

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114310.D
 Acq On : 16 May 2019 15:48
 Operator : JU/SJ
 Sample : K2837-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Manual Integrations
 APPROVED

mohammad
 5/17/2019 3:04:15 PM

Quant Time: May 17 08:29:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	251674	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	975482	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	456479	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	822277	20.00	ng	0.00
76) Chrysene-d12	14.02	240	454988	20.00	ng	0.00
87) Perylene-d12	15.52	264	564855	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1553729	99.35	ng	0.02
7) Phenol-d6	6.50	99	1888445	102.10	ng	0.01
23) Nitrobenzene-d5	7.42	82	1409136	81.07	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	493853	104.65	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2323133	76.98	ng	0.00
79) Terphenyl-d14	12.96	244	1867677	84.62	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	271259	31.556	ng	# 82
3) Pyridine	3.54	79	443549	18.728	ng	99
4) n-Nitrosodimethylamine	3.46	42	373466	32.700	ng	96
6) Aniline	6.52	93	114664	4.291	ng	# 1
8) 2-Chlorophenol	6.65	128	661956	39.649	ng	92
9) Benzaldehyde	6.40	77	59573	4.601	ng	97
10) Phenol	6.52	94	691860	31.796	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	679533	41.136	ng	99
12) 1,3-Dichlorobenzene	6.79	146	560095	29.886	ng	97
13) 1,4-Dichlorobenzene	6.87	146	572612	30.321	ng	97
14) 1,2-Dichlorobenzene	7.02	146	541359	31.377	ng	99
15) Benzyl Alcohol	7.00	79	553401	38.360	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1204593	37.608	ng	76
17) 2-Methylphenol	7.12	107	519960	37.913	ng	# 90
18) Hexachloroethane	7.36	117	204611	28.865	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	481480	41.067	ng	96
20) 3+4-Methylphenols	7.27	107	685707	43.274	ng	# 58
22) Acetophenone	7.26	105	926392	42.868	ng	# 89
24) Nitrobenzene	7.43	77	731757	41.334	ng	97
25) Isophorone	7.67	82	1340567	41.585	ng	99
26) 2-Nitrophenol	7.75	139	374652	43.619	ng	99
27) 2,4-Dimethylphenol	7.79	122	596695	44.232	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	870154	41.601	ng	97
29) 2,4-Dichlorophenol	8.00	162	556810	41.451	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	539063	35.291	ng	98
31) Naphthalene	8.15	128	1791578	39.318	ng	98
32) Benzoic acid	7.93	122	325456	35.907	ng	99
33) 4-Chloroaniline	8.21	127	69038	3.325	ng	96
34) Hexachlorobutadiene	8.27	225	275586	31.708	ng	99
35) Caprolactam	8.58	113	149254m	34.075	ng	
36) 4-Chloro-3-methylphenol	8.70	107	579550	42.862	ng	97
37) 2-Methylnaphthalene	8.85	142	1267148	43.102	ng	98
38) 1-Methylnaphthalene	8.95	142	1186359	42.851	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	558208	40.369	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051619\
 Data File : BF114310.D
 Acq On : 16 May 2019 15:48
 Operator : JU/SJ
 Sample : K2837-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

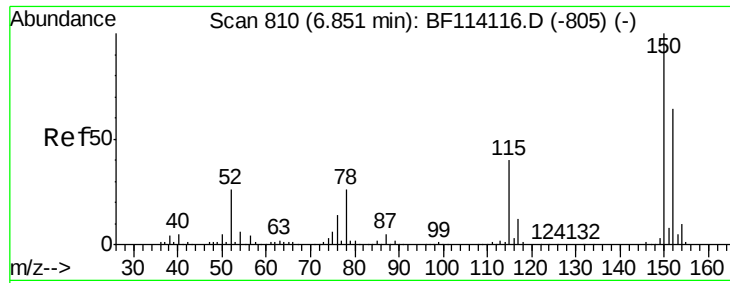
Manual Integrations
 APPROVED

mohammad
 5/17/2019 3:04:15 PM

Quant Time: May 17 08:29:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	348473	55.493	nq	98
43) 2,4,6-Trichlorophenol	9.13	196	378938	39.842	nq	99
44) 2,4,5-Trichlorophenol	9.18	196	402513	41.266	nq	98
46) 1,1'-Biphenyl	9.31	154	1512582	41.017	nq	99
47) 2-Chloronaphthalene	9.33	162	1172574	39.509	nq	99
48) 2-Nitroaniline	9.43	65	393079	37.346	nq	99
49) Acenaphthylene	9.75	152	1847995	40.940	nq	99
50) Dimethylphthalate	9.60	163	1361236	40.622	nq	99
51) 2,6-Dinitrotoluene	9.67	165	304862	41.018	nq	96
52) Acenaphthene	9.92	154	1084054	39.136	nq	99
53) 3-Nitroaniline	9.85	138	43909	4.759	nq	98
54) 2,4-Dinitrophenol	9.96	184	258111	69.986	nq	96
55) Dibenzofuran	10.09	168	1583432	38.984	nq	98
56) 4-Nitrophenol	10.03	139	325273	49.852	nq	97
57) 2,4-Dinitrotoluene	10.09	165	382542	37.920	nq	94
58) Fluorene	10.44	166	1250962	39.874	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	329760	39.182	nq	99
60) Diethylphthalate	10.30	149	1307073	38.389	nq	99
61) 4-Chlorophenyl-phenylether	10.43	204	604076	39.203	nq	97
62) 4-Nitroaniline	10.46	138	265915	27.428	nq	93
63) Azobenzene	10.59	77	1301323	39.486	nq	100
65) 4,6-Dinitro-2-methylphenol	10.50	198	161691	40.923	nq	88
66) n-Nitrosodiphenylamine	10.55	169	1087288	43.568	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	384781	42.500	nq	96
68) Hexachlorobenzene	10.99	284	405858	40.522	nq	96
69) Atrazine	11.07	200	254144	32.724	nq	99
70) Pentachlorophenol	11.19	266	333986	70.344	nq	99
71) Phenanthrene	11.40	178	1670537	41.758	nq	99
72) Anthracene	11.45	178	1736521	43.217	nq	100
73) Carbazole	11.60	167	1524645	39.791	nq	98
74) Di-n-butylphthalate	11.93	149	1867839	42.313	nq	99
75) Fluoranthene	12.59	202	1614767	37.483	nq	97
77) Benzidine	12.71	184	12732m	0.623	nq	
78) Pyrene	12.82	202	1608947	43.958	nq	99
80) Butylbenzylphthalate	13.42	149	664279	43.118	nq	94
81) Benzo(a)anthracene	14.01	228	1226524	41.678	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	161816	14.174	nq	98
83) Chrysene	14.05	228	1216006	42.152	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	859199	42.642	nq	100
85) Di-n-octyl phthalate	14.62	149	1397456	42.784	nq	99
86) Indeno(1,2,3-cd)pyrene	17.02	276	1708893	67.027	nq	98
88) Benzo(b)fluoranthene	15.09	252	1390302	38.419	nq	99
89) Benzo(k)fluoranthene	15.12	252	1258420	37.856	nq	99
90) Benzo(a)pyrene	15.46	252	1346228	42.270	nq	98
91) Dibenzo(a,h)anthracene	17.03	278	1405520	53.110	nq	100
92) Benzo(g,h,i)perylene	17.47	276	1534988	57.877	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



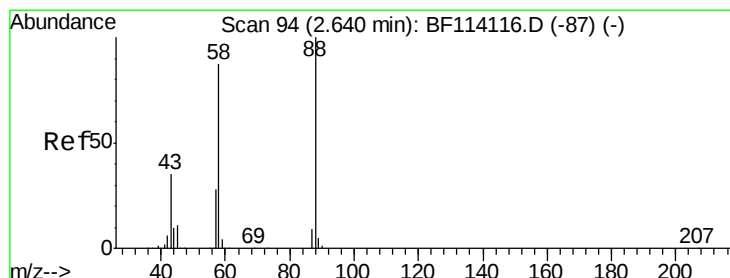
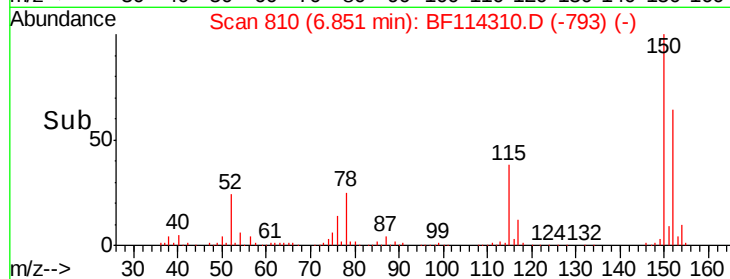
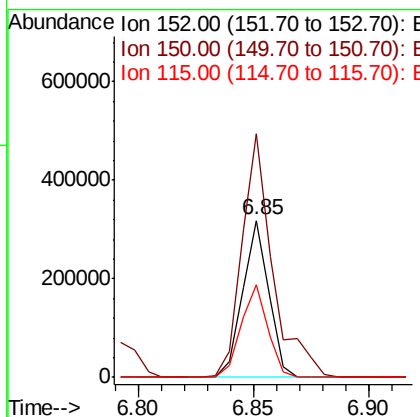
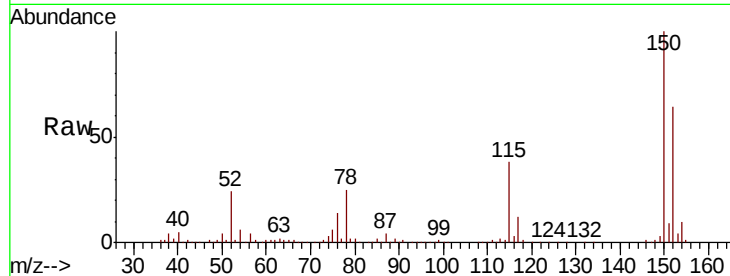
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.3	186.5
115	59.3	49.1	73.7

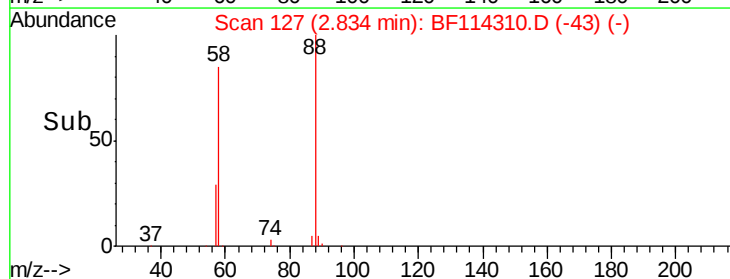
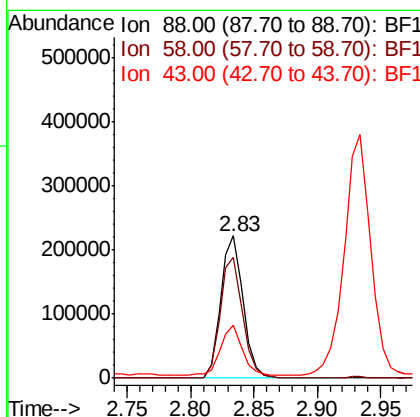
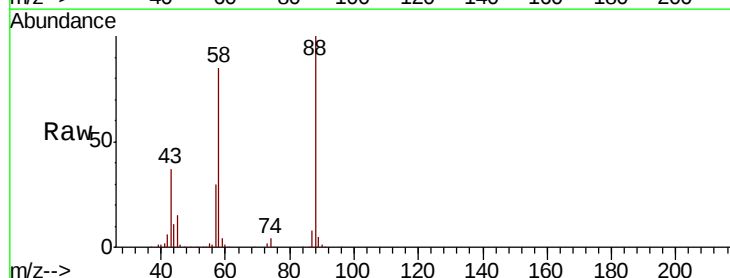
Manual Integrations
 APPROVED

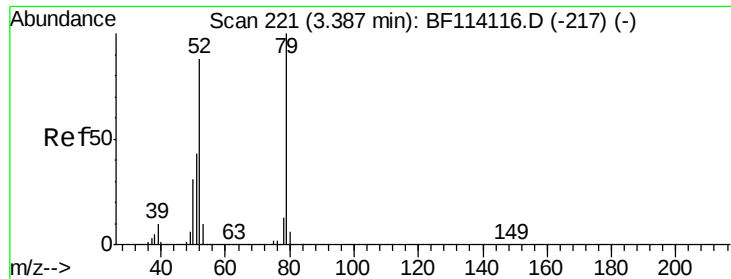
mohammad
 5/17/2019 3:04:15 PM



#2
 1,4-Dioxane
 Concen: 31.556 ng
 RT: 2.83 min Scan# 127
 Delta R.T. 0.19 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.2	68.7	103.1
43	0.0	28.2	42.2#





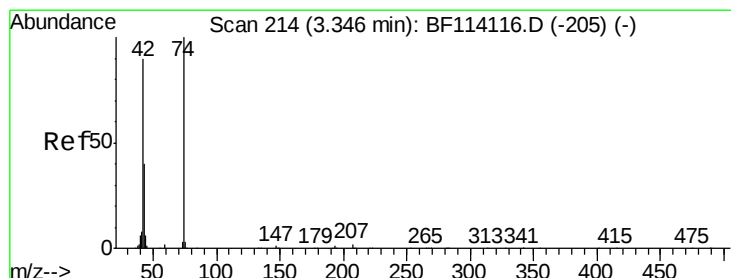
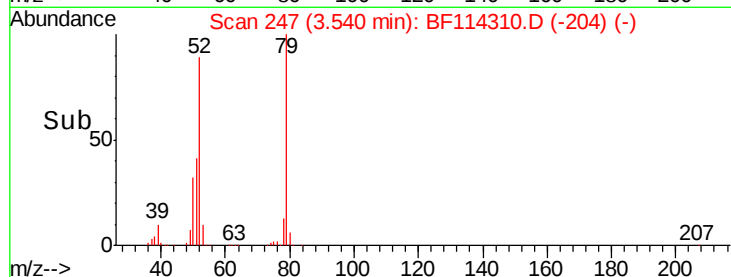
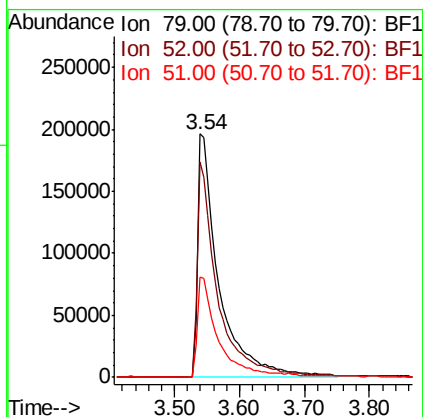
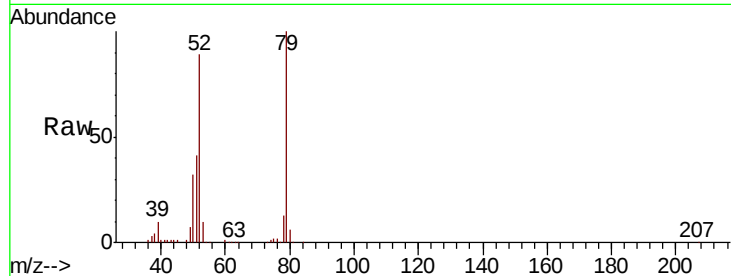
#3
 Pvrindine
 Concen: 18.728 ng
 RT: 3.54 min Scan# 247
 Delta R.T. 0.15 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
79	100		
52	88.6	70.6	105.8
51	41.0	34.2	51.2

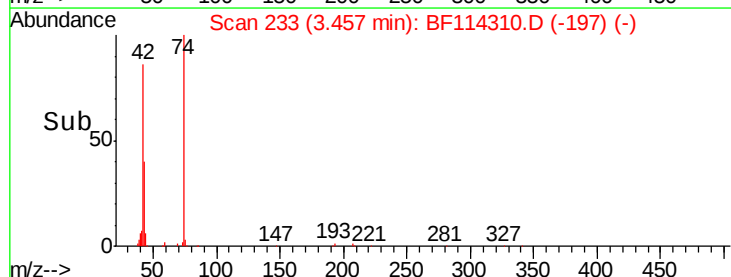
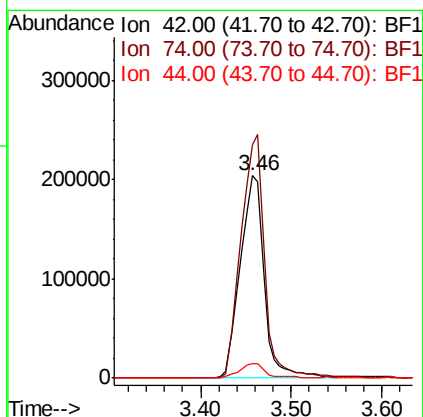
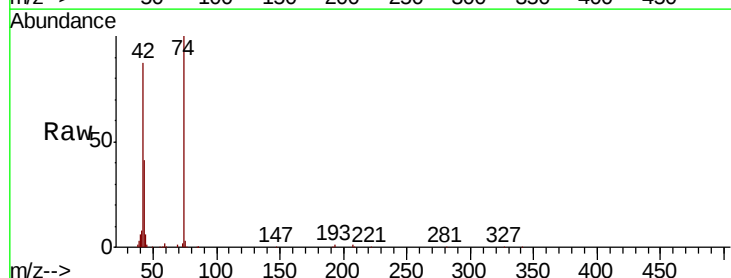
Manual Integrations
 APPROVED

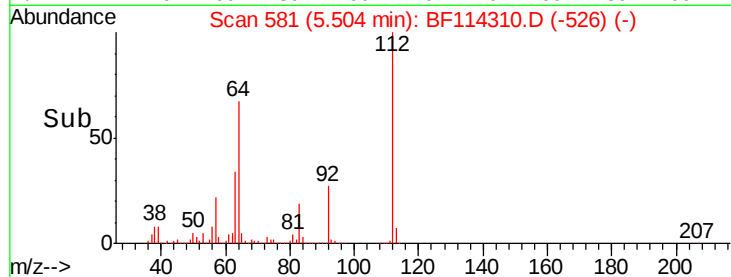
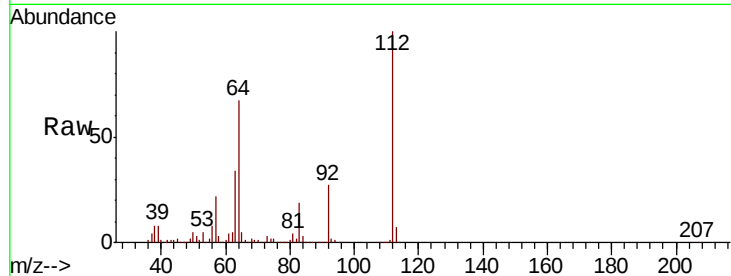
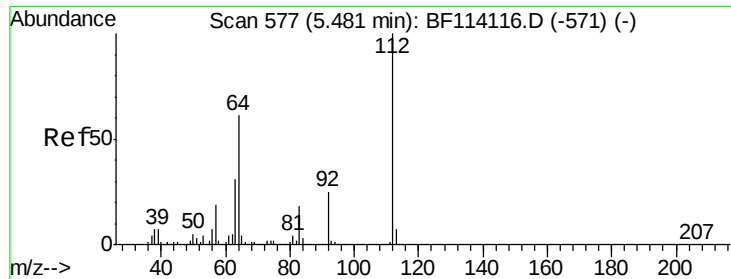
mohammad
 5/17/2019 3:04:15 PM



#4
 n-Nitrosodimethylamine
 Concen: 32.700 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.11 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
42	100		
74	115.5	88.6	132.8
44	7.5	5.5	8.3





#5

2-Fluorophenol

Concen: 99.349 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.02 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:112 Resp: 1553729

Ion Ratio Lower Upper

112 100

64 66.7 49.0 73.6

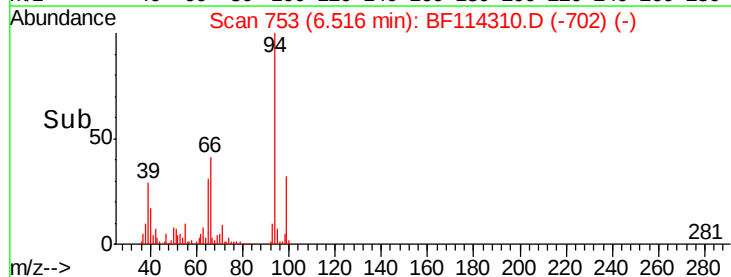
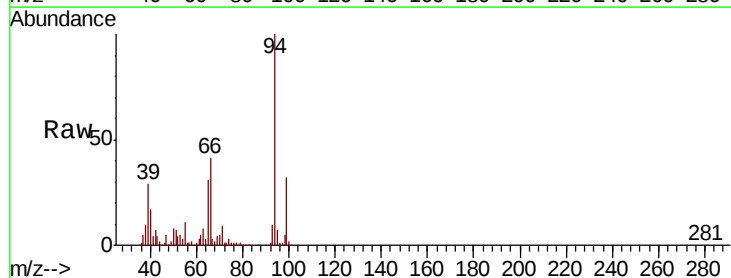
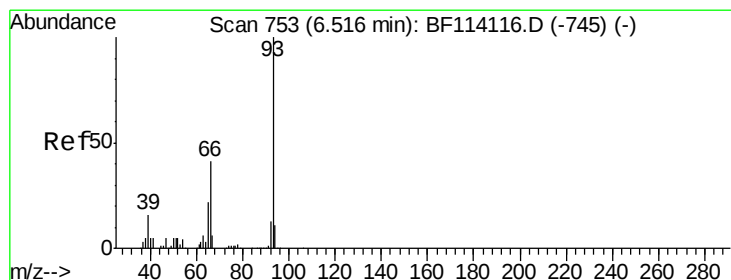
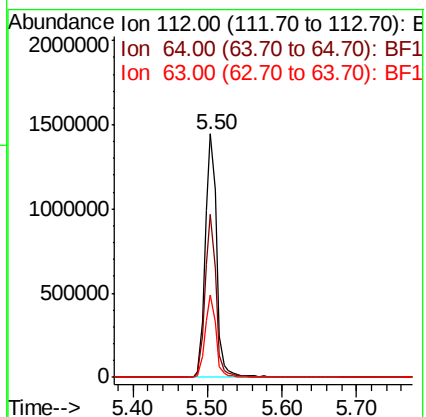
63 34.0 24.6 37.0

Manual Integrations

APPROVED

mohammad

5/17/2019 3:04:15 PM



#6

Aniline

Concen: 4.291 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

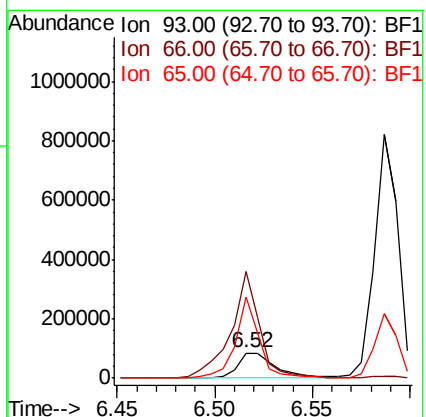
Tgt Ion: 93 Resp: 114664

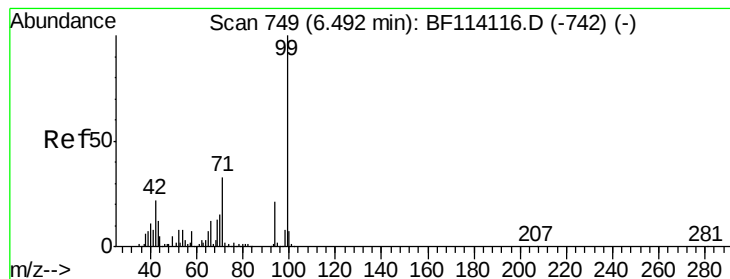
Ion Ratio Lower Upper

93 100

66 427.4 33.2 49.8#

65 324.7 17.6 26.4#





#7

Phenol-d6

Concen: 102.095 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion: 99 Resp: 1888445

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

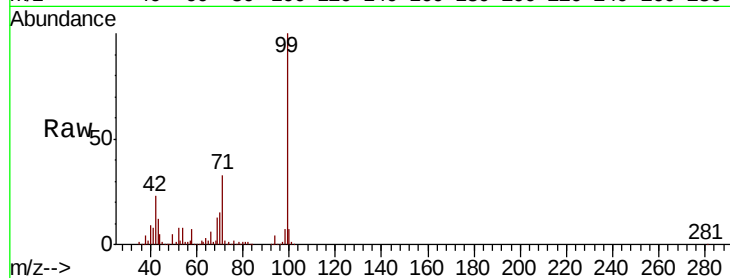
71 32.6 26.2 39.2

Manual Integrations

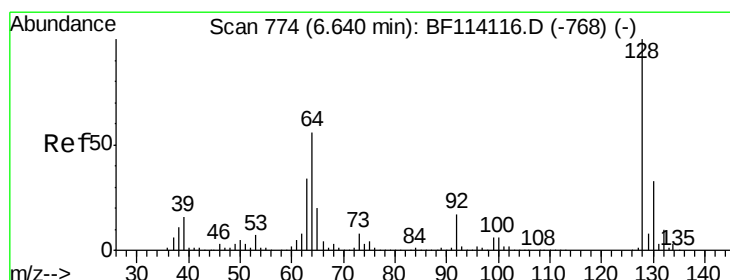
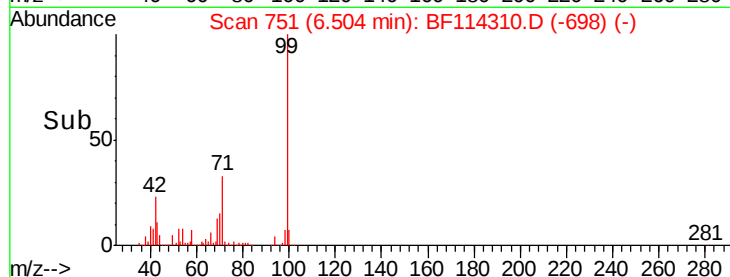
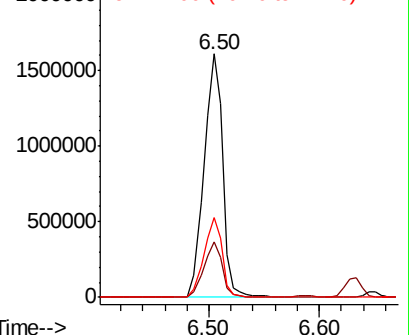
APPROVED

mohammad

5/17/2019 3:04:15 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.649 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

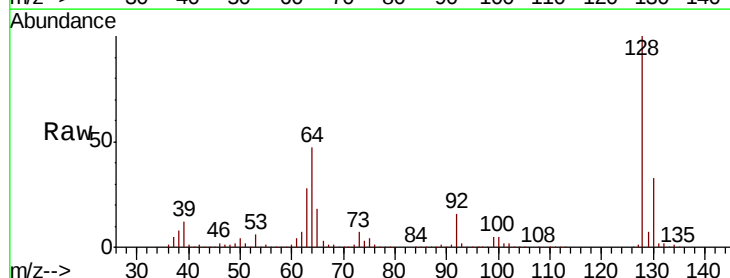
Tgt Ion: 128 Resp: 661956

Ion Ratio Lower Upper

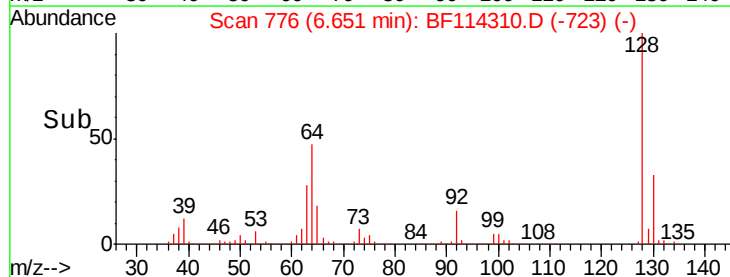
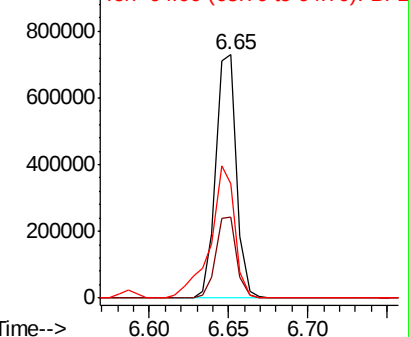
128 100

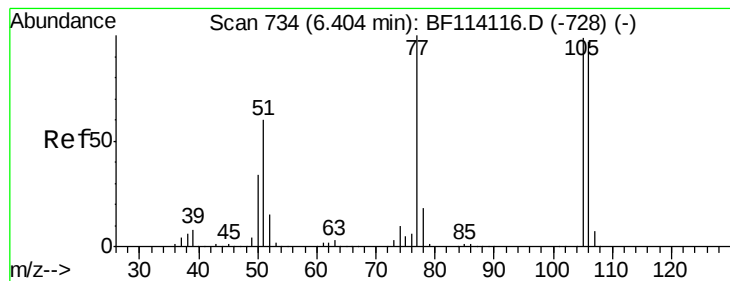
130 33.5 12.6 52.6

64 47.2 35.9 75.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 4.601 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

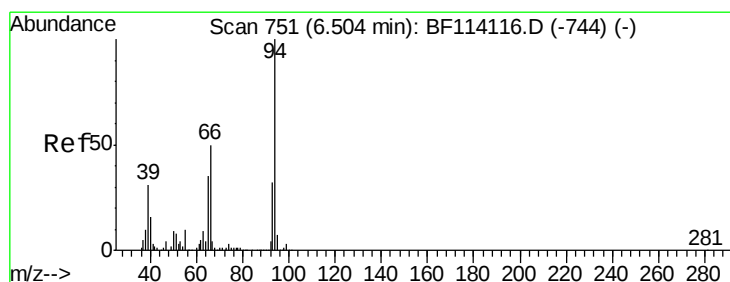
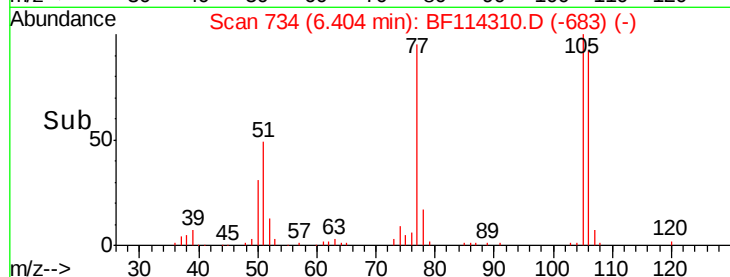
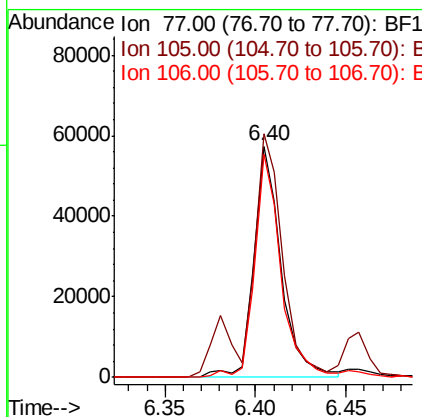
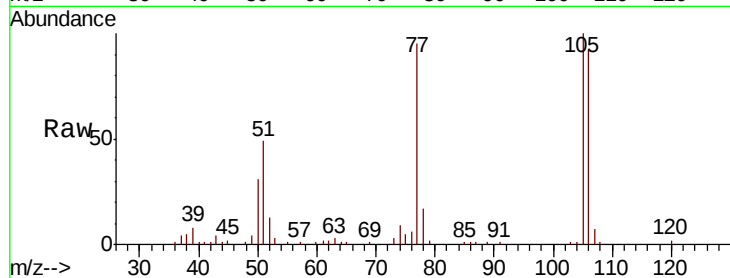
ClientSampleId :

SOIL-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	105.3	79.3	119.3		
106	96.3	77.0	117.0		

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM



#10

Phenol

Concen: 31.796 ng

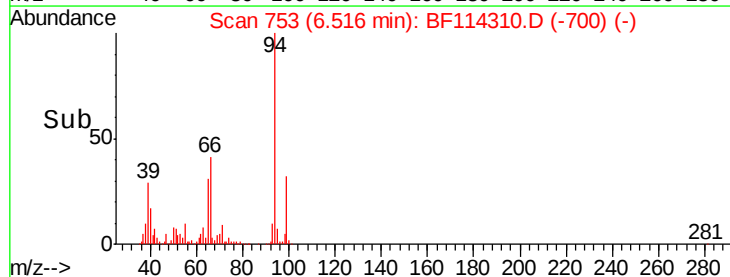
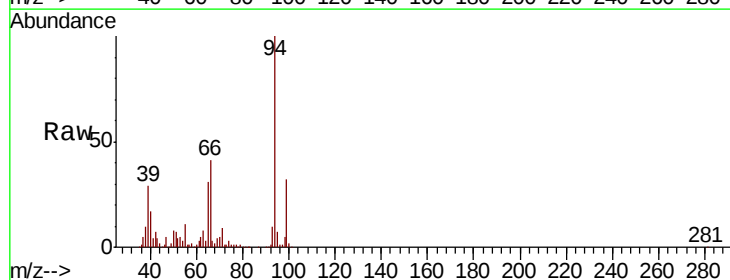
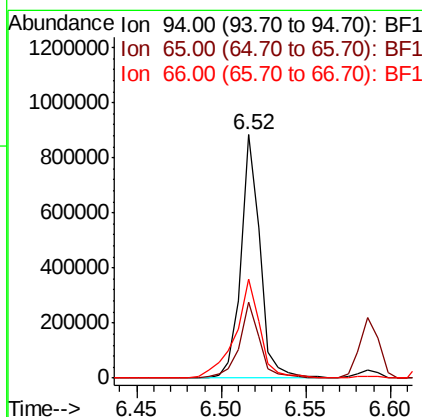
RT: 6.52 min Scan# 753

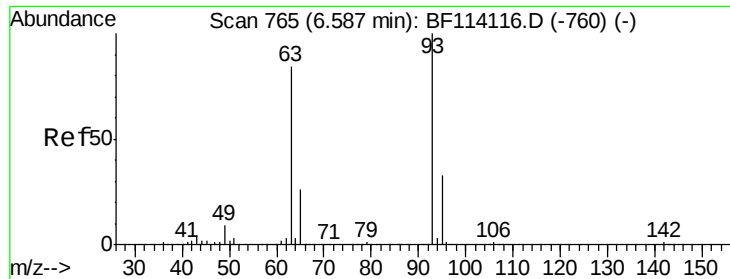
Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	31.0	14.7	54.7		
66	40.8	29.6	69.6		





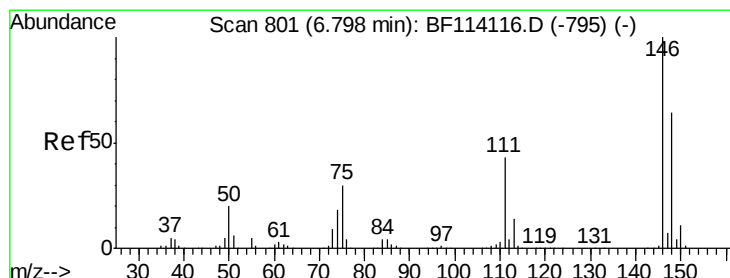
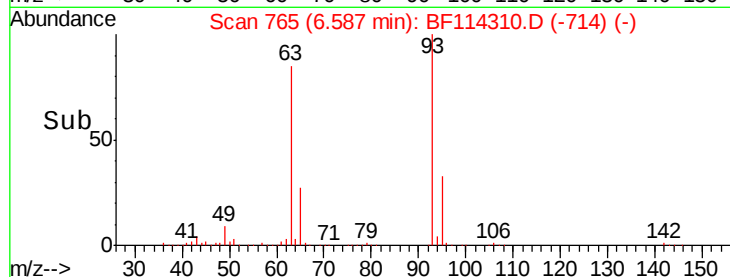
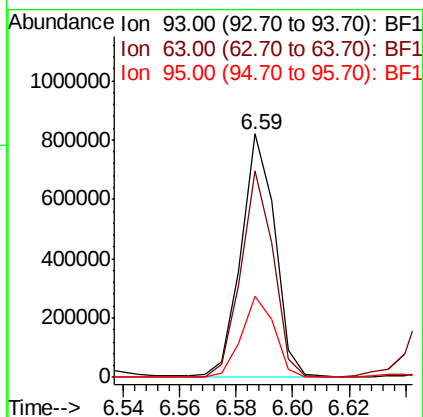
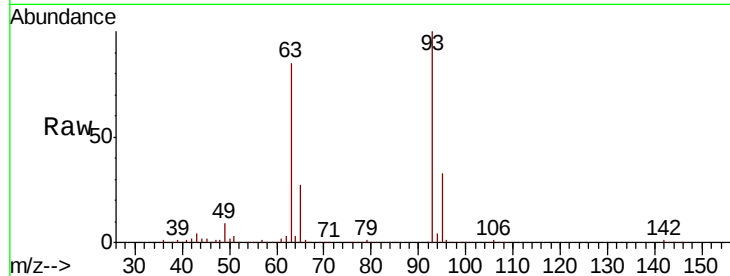
#11
bis(2-Chloroethyl)ether
Concen: 41.136 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.9	63.6	103.6
95	33.1	13.1	53.1

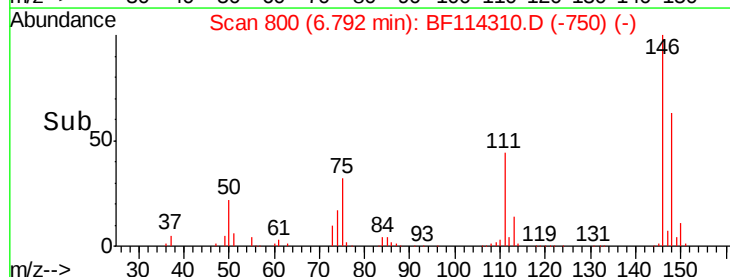
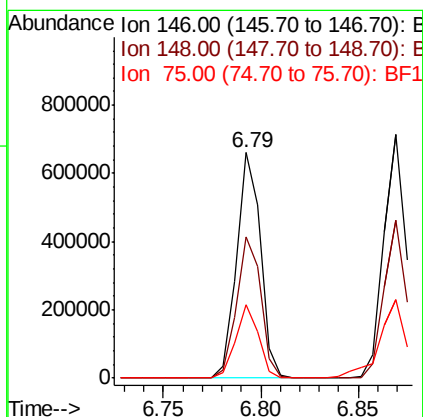
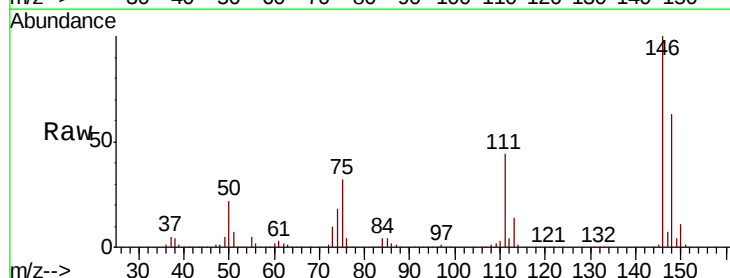
Manual Integrations
APPROVED

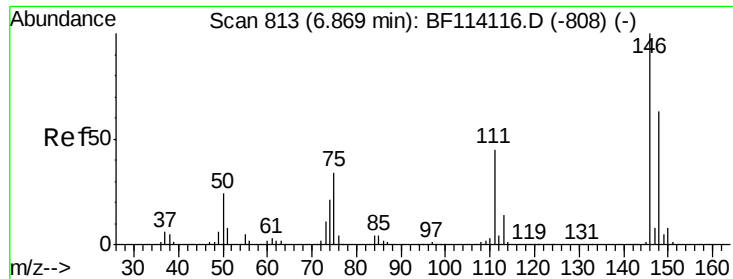
mohammad
5/17/2019 3:04:15 PM



#12
1,3-Dichlorobenzene
Concen: 29.886 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.6	77.4
75	32.4	24.2	36.2





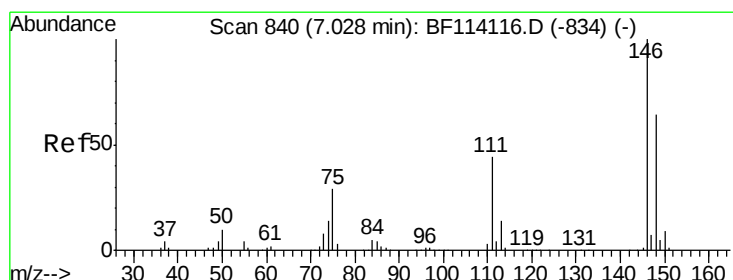
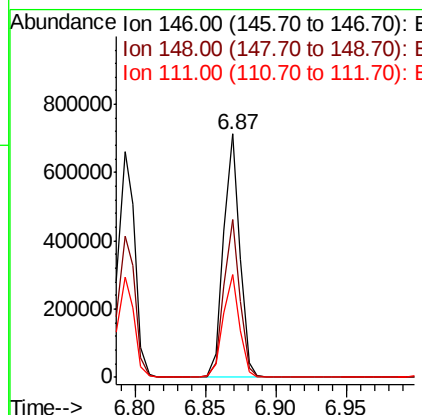
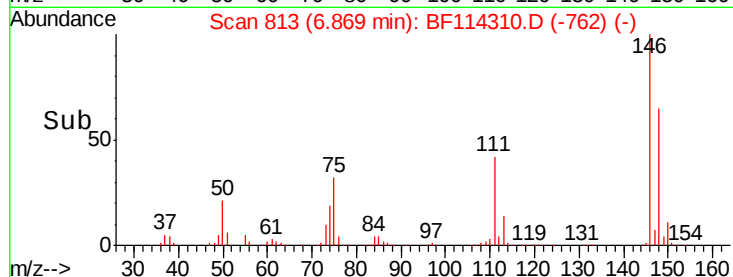
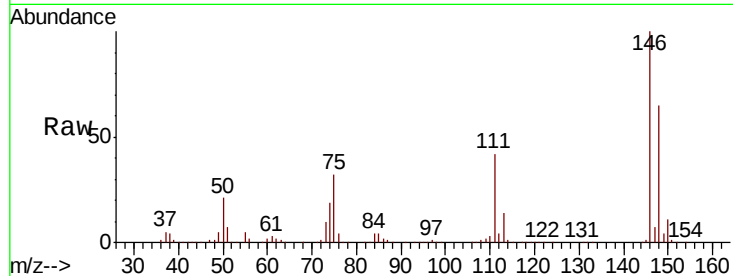
#13
 1,4-Dichlorobenzene
 Concen: 30.321 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.2	75.2
111	42.3	35.8	53.6

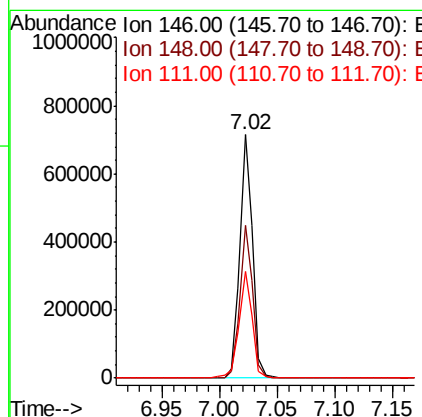
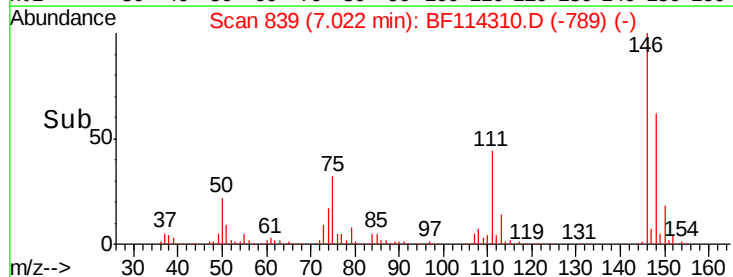
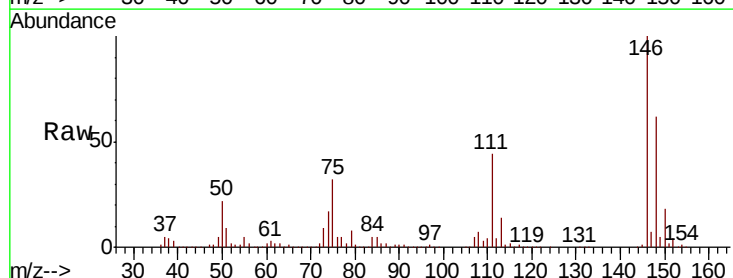
Manual Integrations
 APPROVED

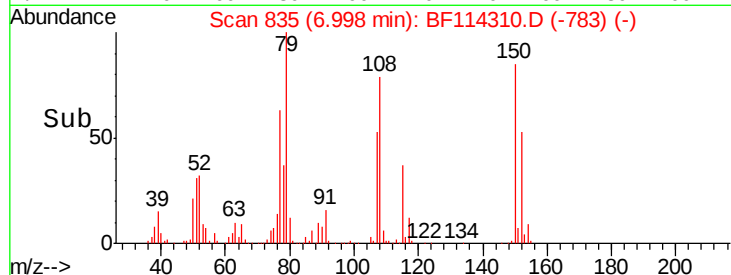
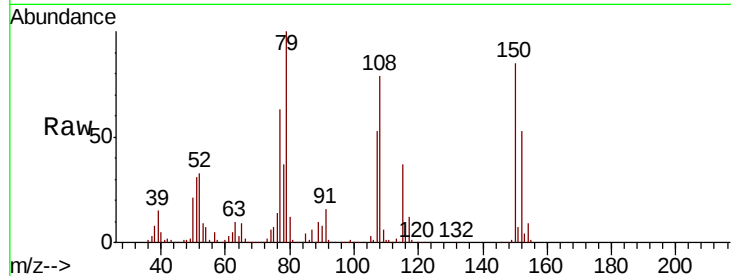
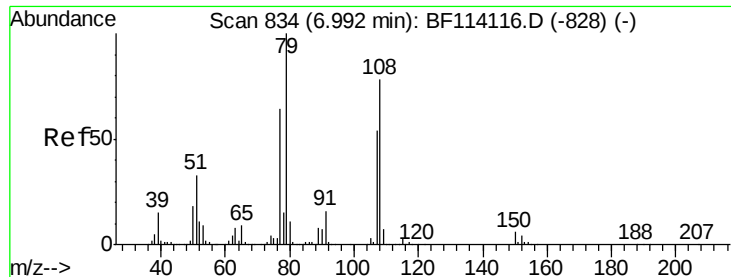
mohammad
 5/17/2019 3:04:15 PM



#14
 1,2-Dichlorobenzene
 Concen: 31.377 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.1	76.7
111	43.8	35.3	52.9





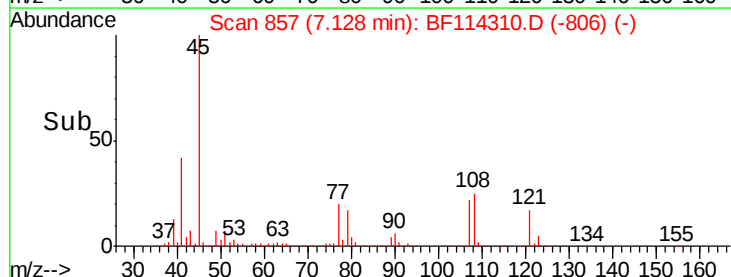
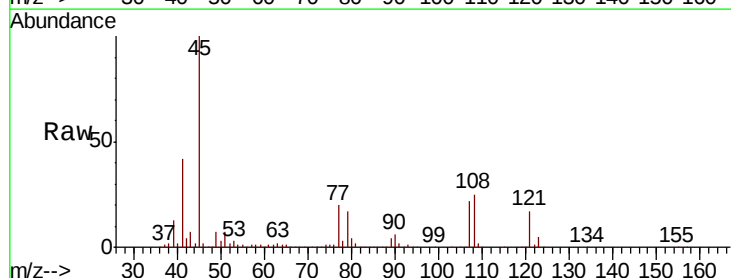
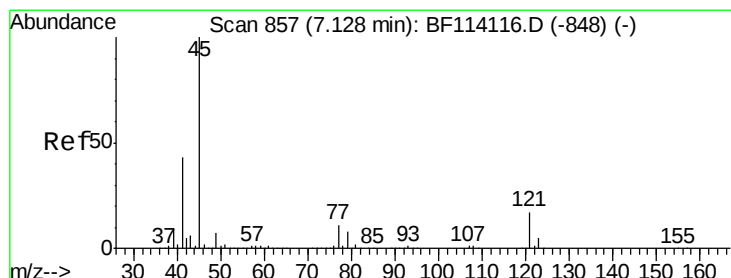
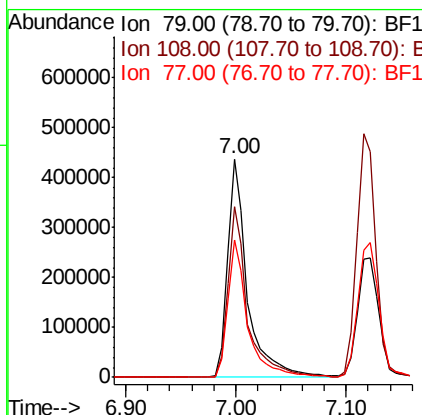
#15
Benzyl Alcohol
Concen: 38.360 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.1	93.1
77	63.0	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

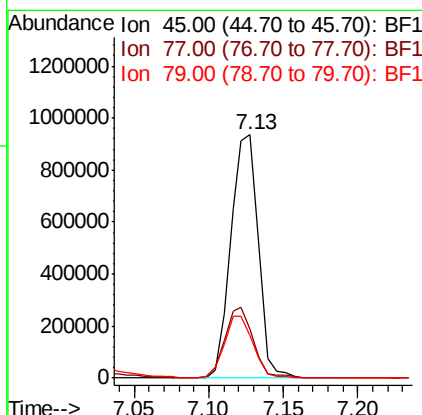
Manual Integrations
APPROVED

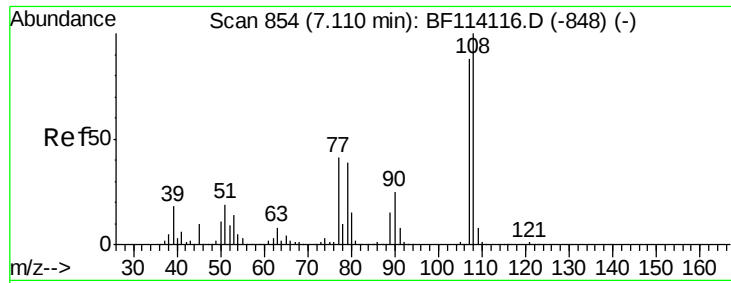
mohammad
5/17/2019 3:04:15 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.608 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
45	100		
77	20.1	0.0	31.1
79	17.3	0.0	28.4





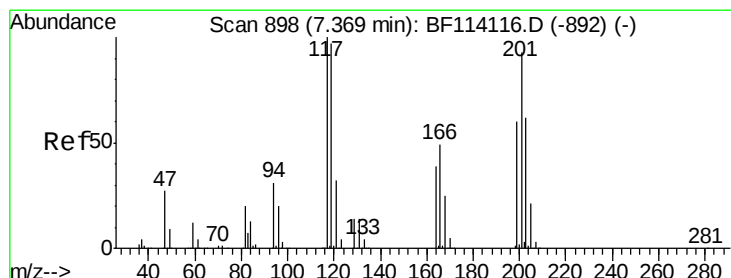
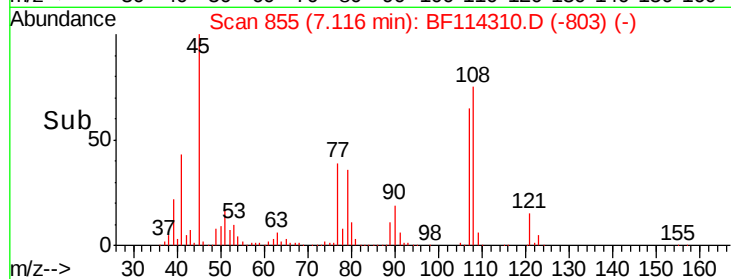
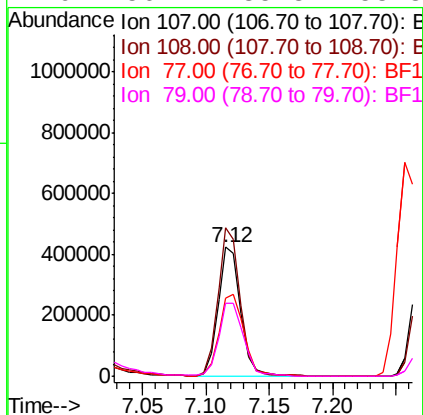
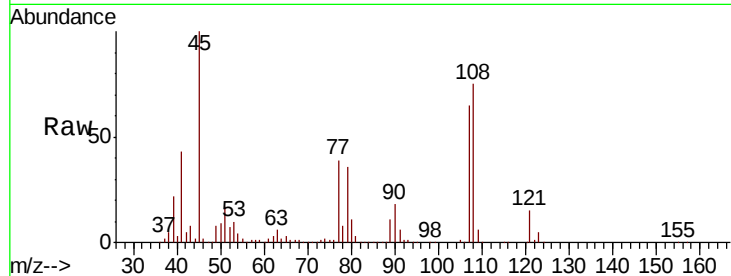
#17
2-Methylphenol
Concen: 37.913 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.2	90.5	135.7	
77	60.3	37.0	55.4	
79	56.2	35.8	53.8	

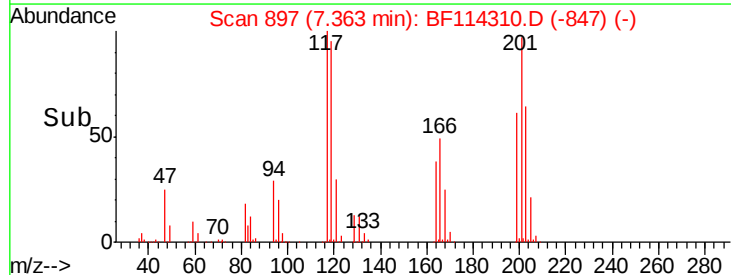
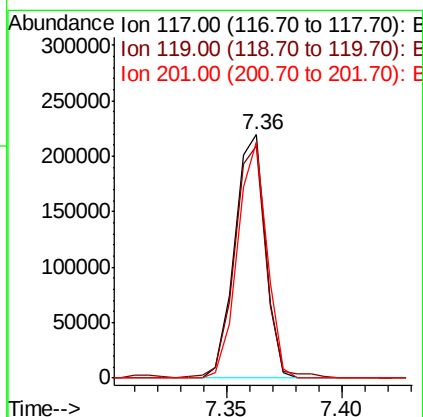
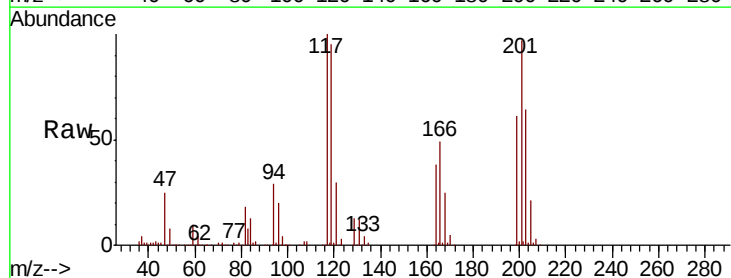
Manual Integrations
APPROVED

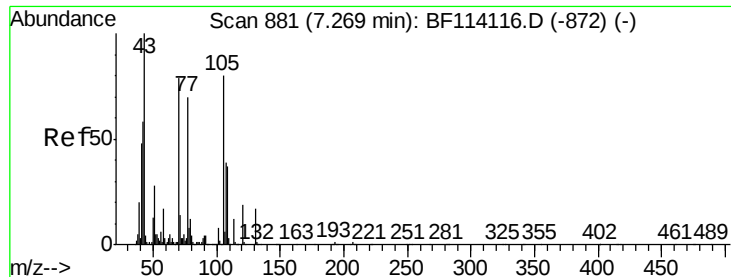
mohammad
5/17/2019 3:04:15 PM



#18
Hexachloroethane
Concen: 28.865 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	77.4	116.2	
201	97.1	74.5	111.7	





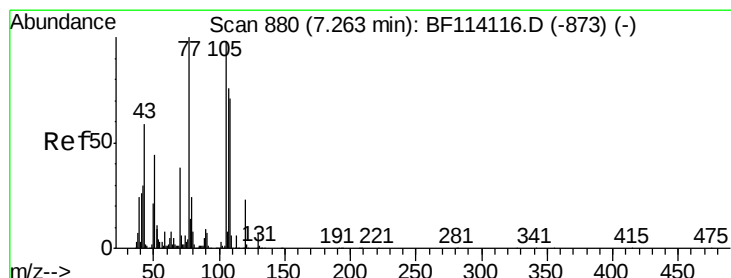
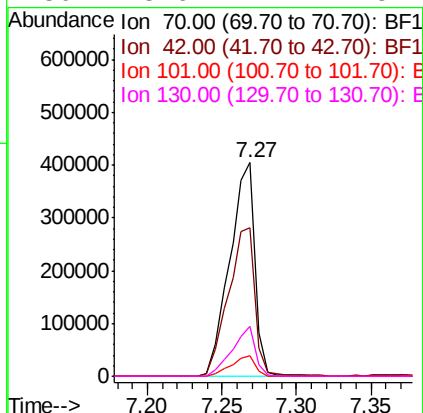
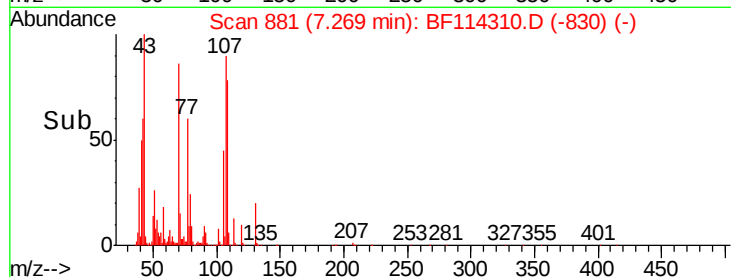
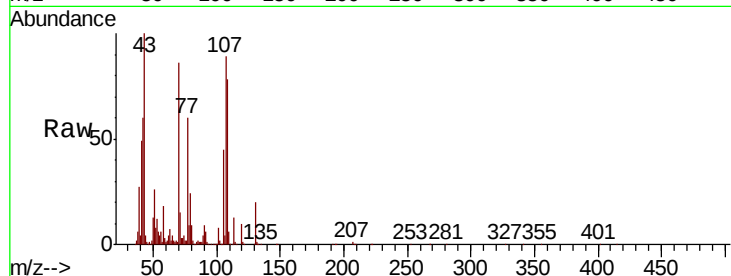
#19
n-Nitroso-di-n-propylamine
Concen: 41.067 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	69.5	58.6	87.8	
101	9.4	7.8	11.8	
130	23.6	17.1	25.7	

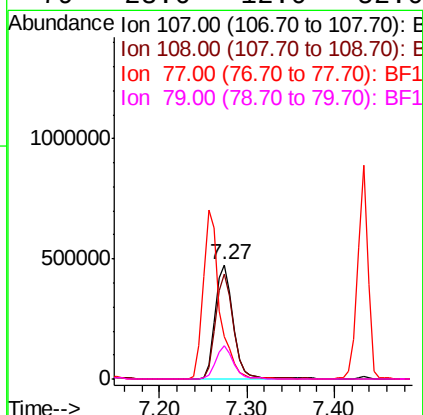
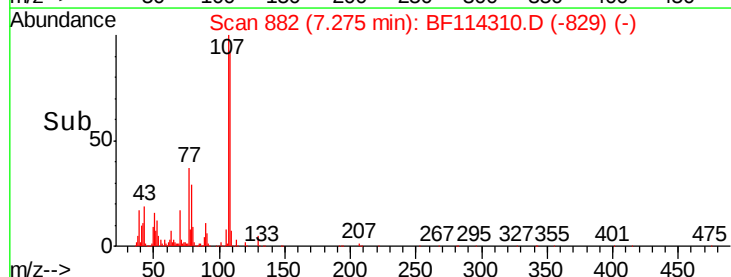
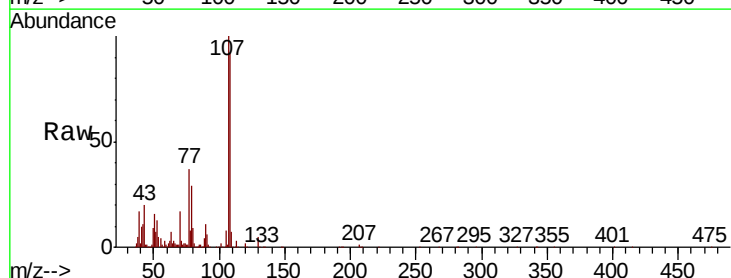
Manual Integrations
APPROVED

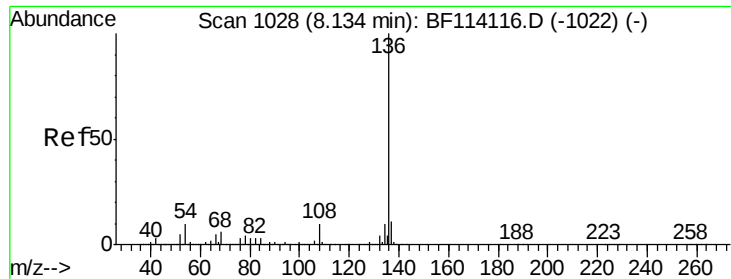
mohammad
5/17/2019 3:04:15 PM



#20
3+4-Methylphenols
Concen: 43.274 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.9	73.8	113.8	
77	37.4	111.5	151.5#	
79	28.6	12.0	52.0	





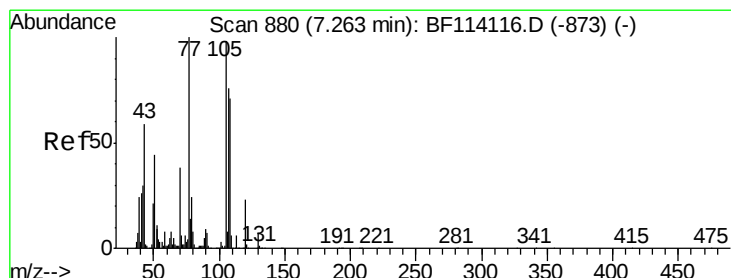
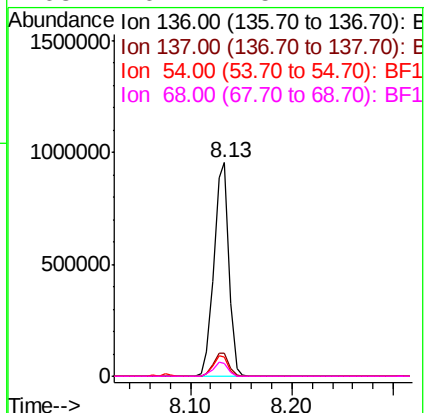
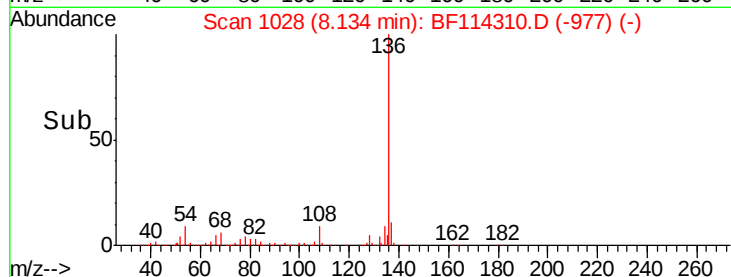
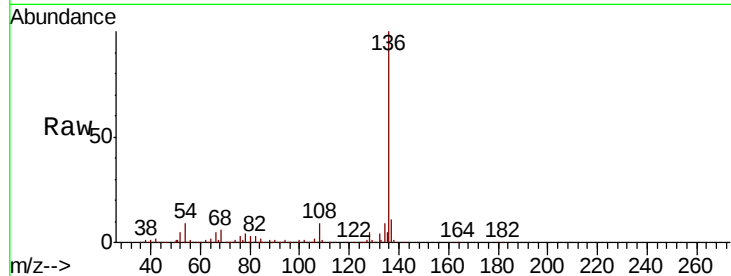
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	975482		
137	10.7		8.8	13.2
54	9.0		7.8	11.8
68	6.2		5.1	7.7

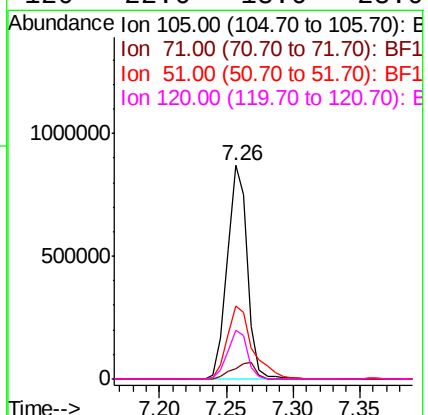
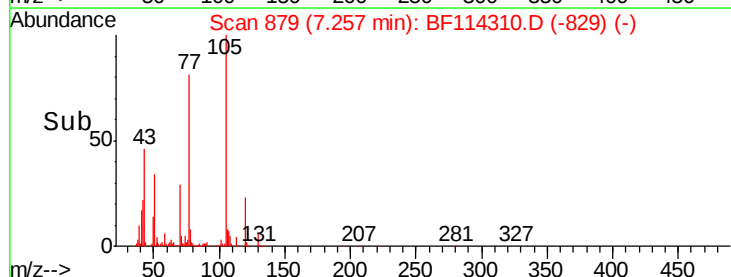
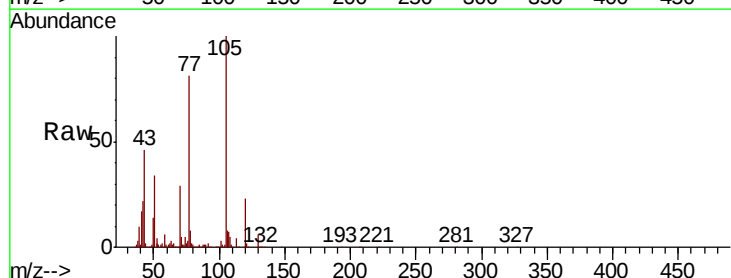
Manual Integrations
APPROVED

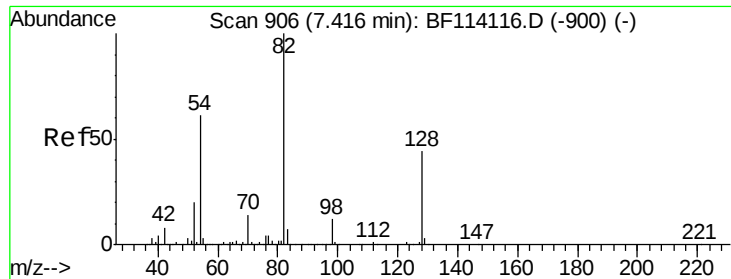
mohammad
5/17/2019 3:04:15 PM



#22
Acetophenone
Concen: 42.868 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	926392		
71	4.8		5.3	7.9#
51	34.1		36.2	54.4#
120	22.6		18.6	28.0





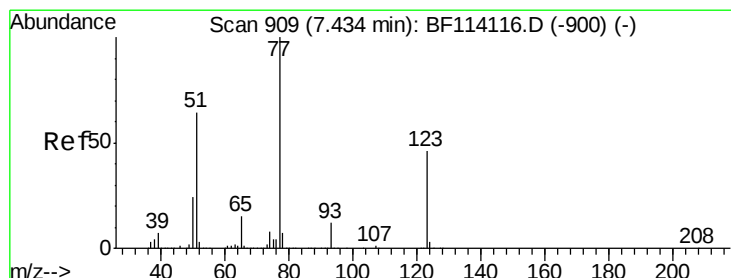
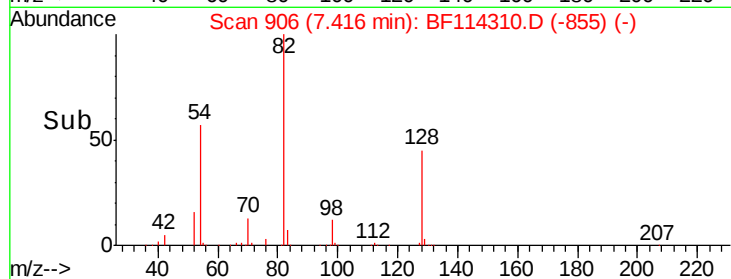
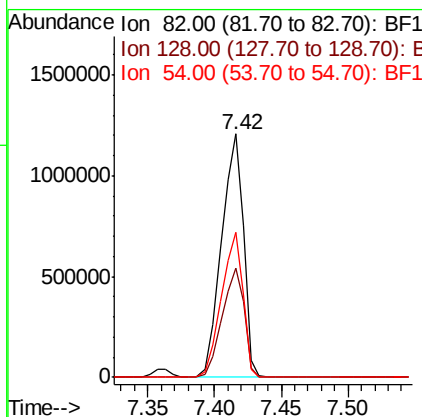
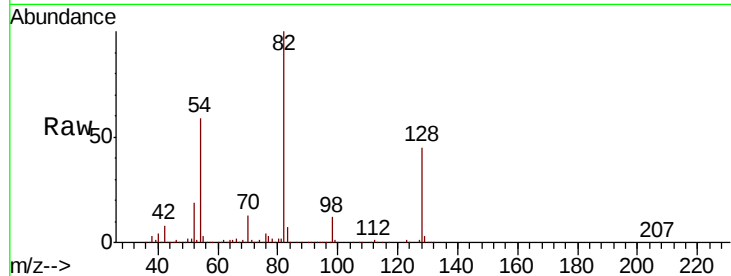
#23
Nitrobenzene-d5
Concen: 81.068 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	82	Resp	1409136
Ion Ratio	100	Lower	Upper
82	100		
128	44.9	35.5	53.3
54	59.4	48.5	72.7

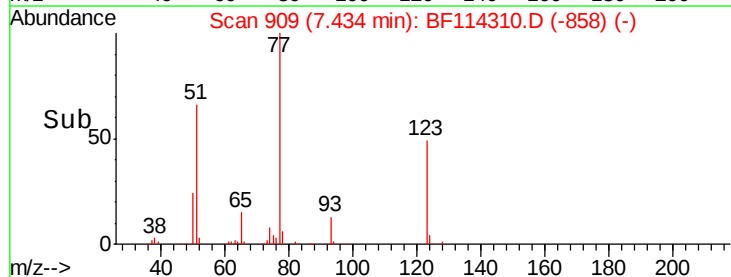
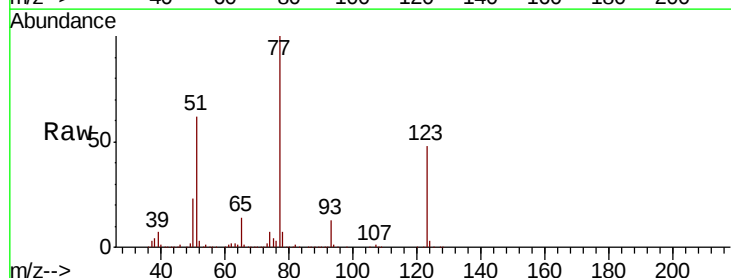
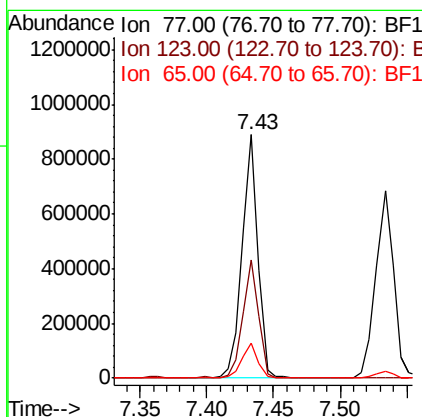
Manual Integrations
APPROVED

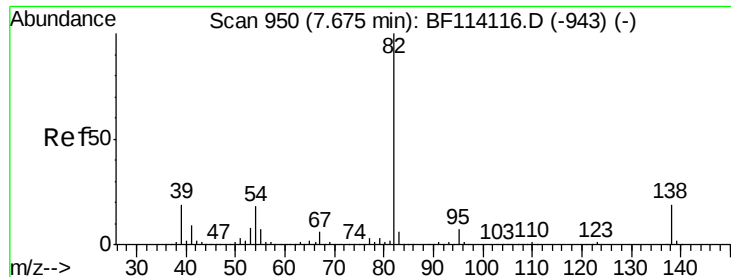
mohammad
5/17/2019 3:04:15 PM



#24
Nitrobenzene
Concen: 41.334 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	77	Resp	731757
Ion Ratio	100	Lower	Upper
77	100		
123	48.4	36.9	55.3
65	14.3	11.8	17.6





#25

Isophorone

Concen: 41.585 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion: 82 Resp: 1340567

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

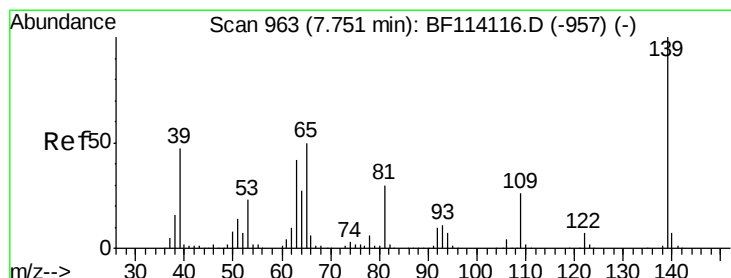
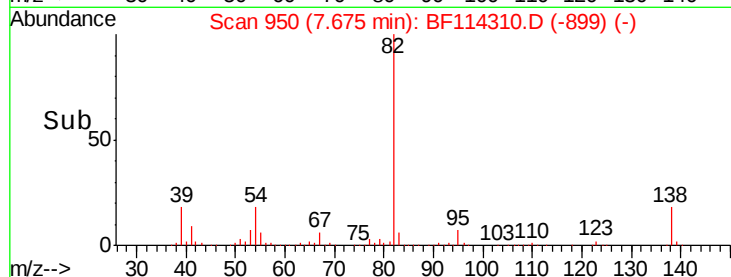
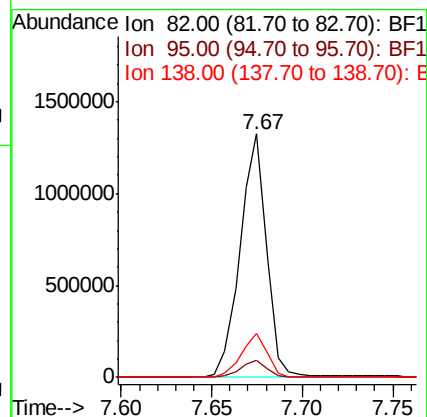
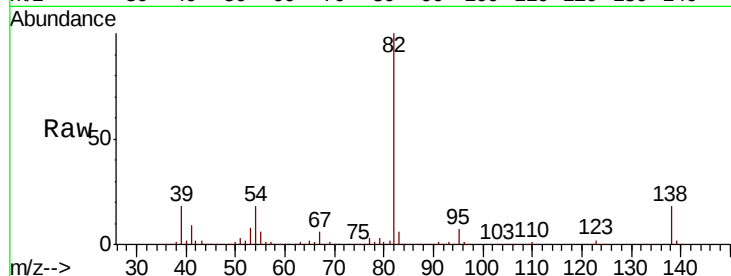
138 18.2 14.8 22.2

Manual Integrations

APPROVED

mohammad

5/17/2019 3:04:15 PM



#26

2-Nitrophenol

Concen: 43.619 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

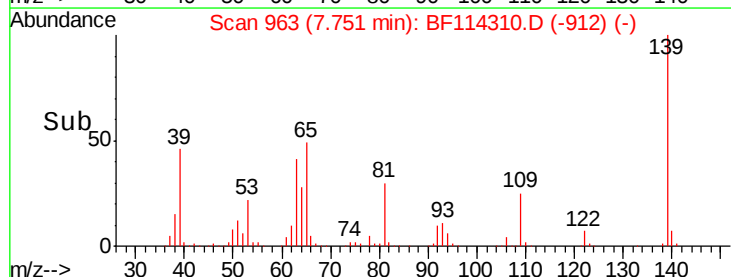
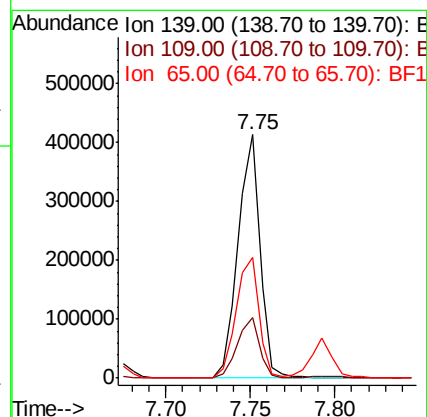
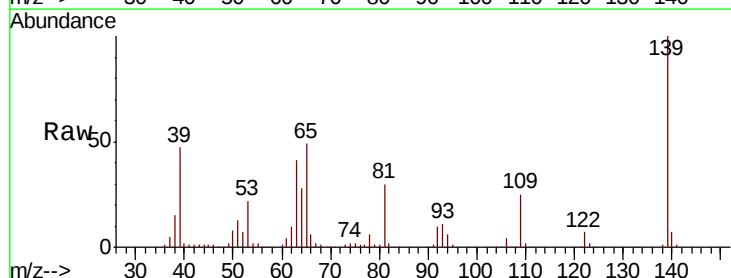
Tgt Ion: 139 Resp: 374652

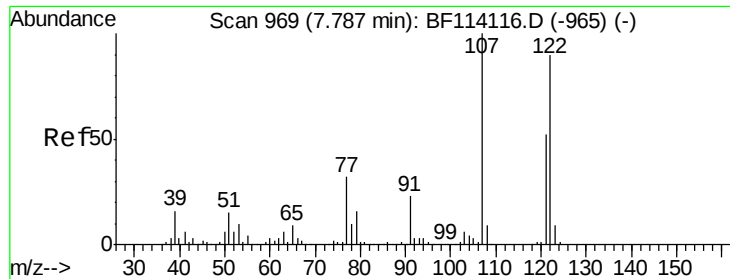
Ion Ratio Lower Upper

139 100

109 25.0 20.7 31.1

65 49.4 40.2 60.2





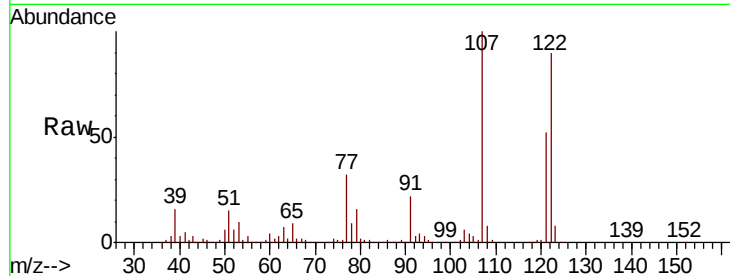
#27
 2,4-Dimethylphenol
 Concen: 44.232 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	596695		
107	111.6		88.4	132.6
121	58.2		45.9	68.9

Manual Integrations
 APPROVED

mohammad
 5/17/2019 3:04:15 PM

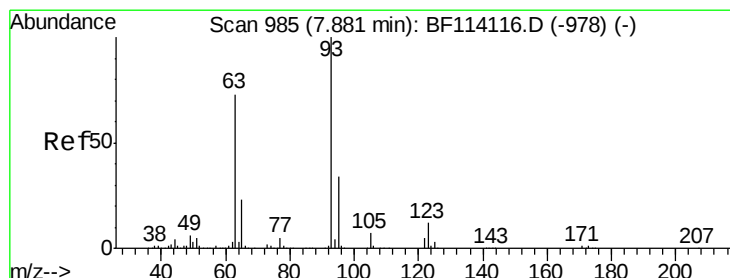
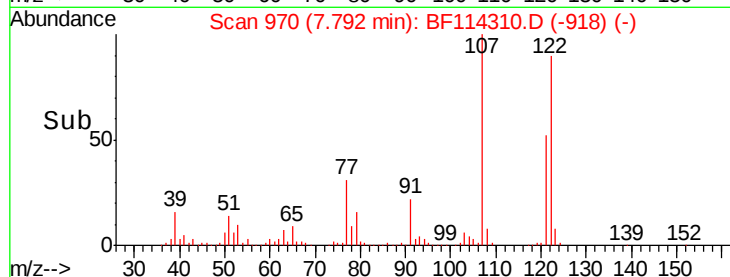
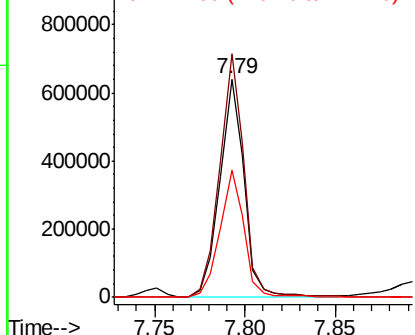


Abundance

Ion 122.00 (121.70 to 122.70): E

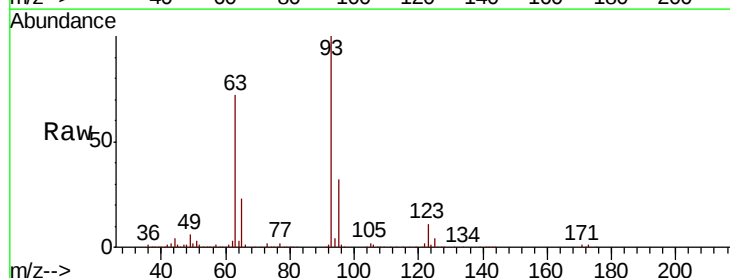
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 41.601 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	870154		
95	31.9		26.8	40.2
123	11.1		9.5	14.3

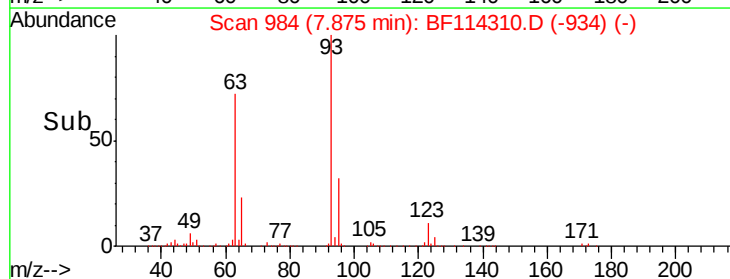
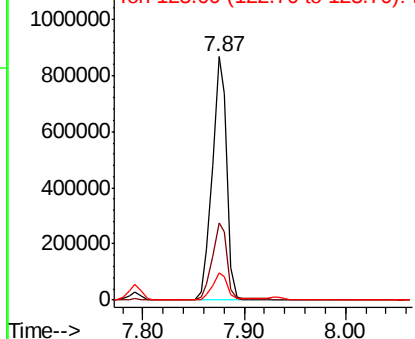


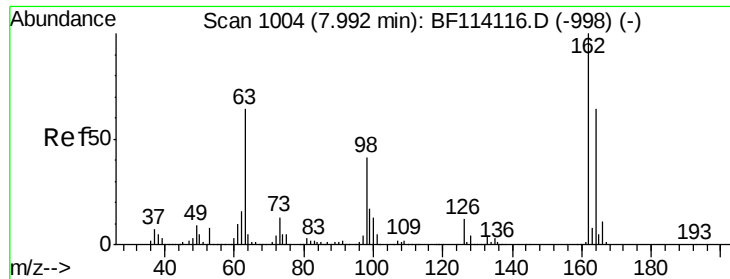
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





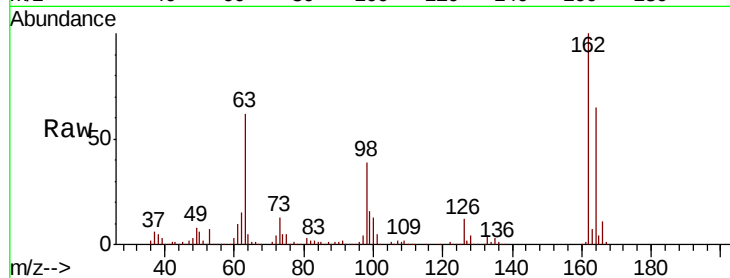
#29
2,4-Dichlorophenol
Concen: 41.451 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	556810		
164	65.0	43.6	83.6	
98	39.5	20.6	60.6	

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

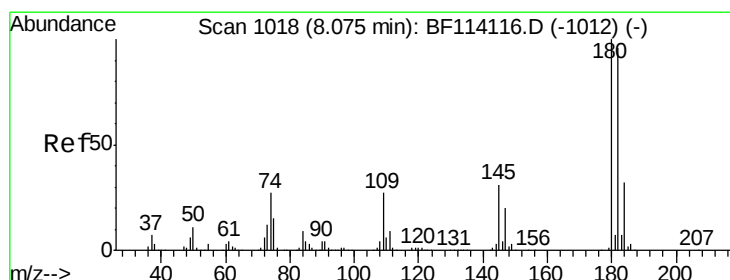
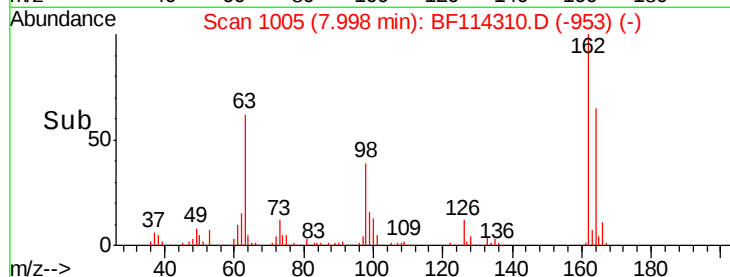
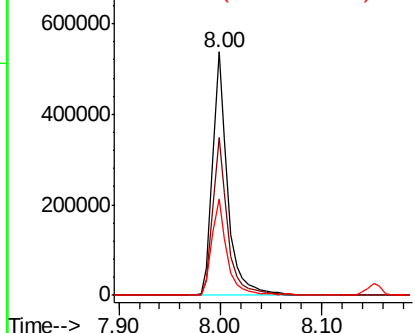


Abundance

Ion 162.00 (161.70 to 162.70): E

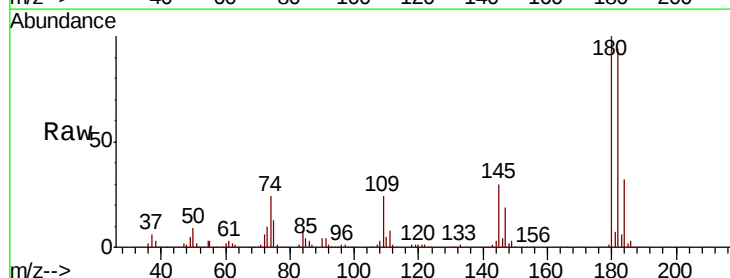
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 35.291 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	539063		
182	93.9	76.6	114.8	
145	30.1	25.1	37.7	

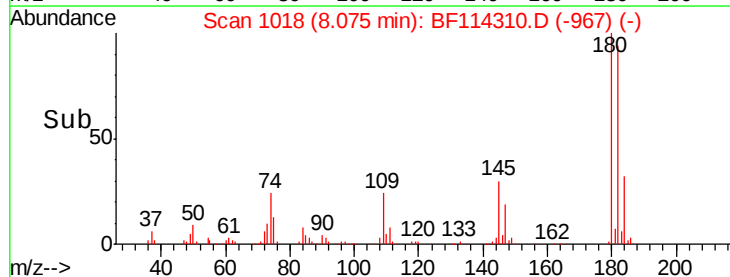
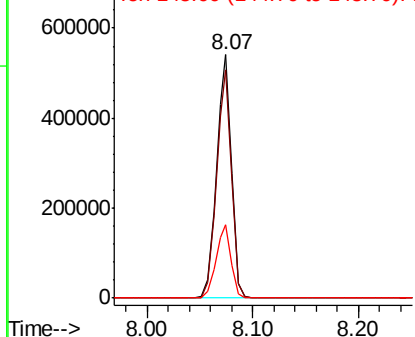


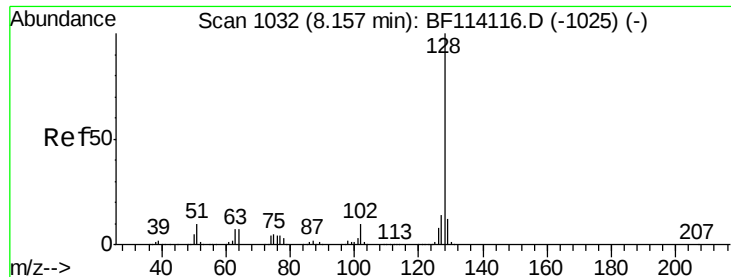
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





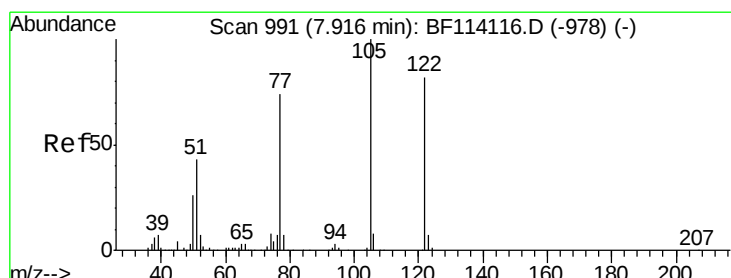
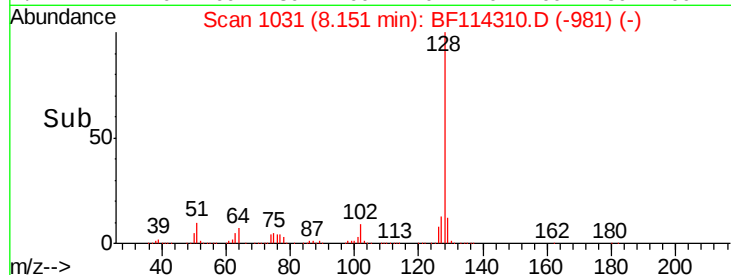
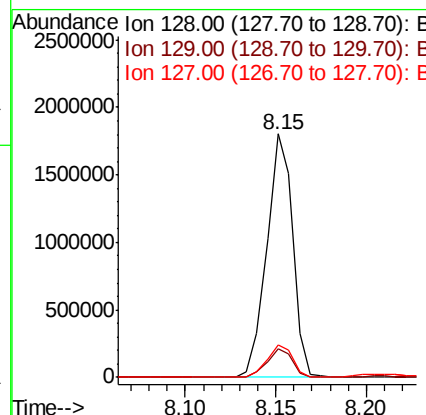
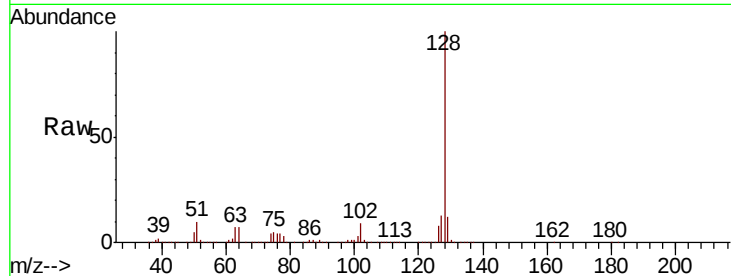
#31
Naphthalene
Concen: 39.318 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	13.3	11.3	16.9

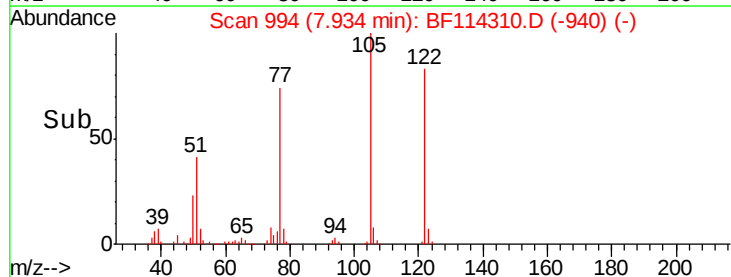
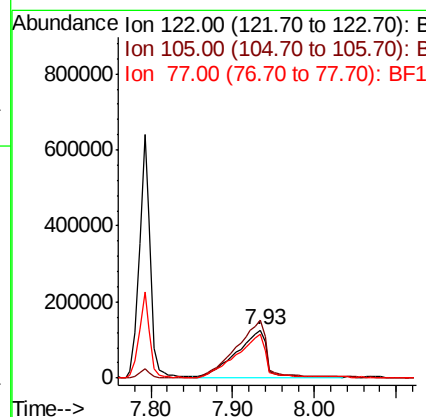
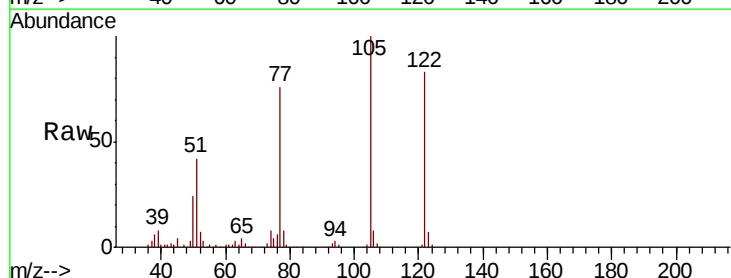
Manual Integrations
APPROVED

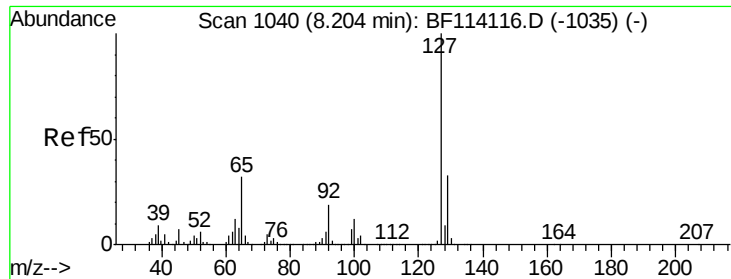
mohammad
5/17/2019 3:04:15 PM



#32
Benzoic acid
Concen: 35.907 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.2	99.9	139.9
77	91.5	69.4	109.4





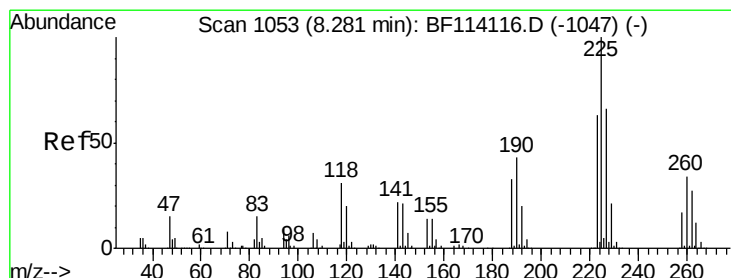
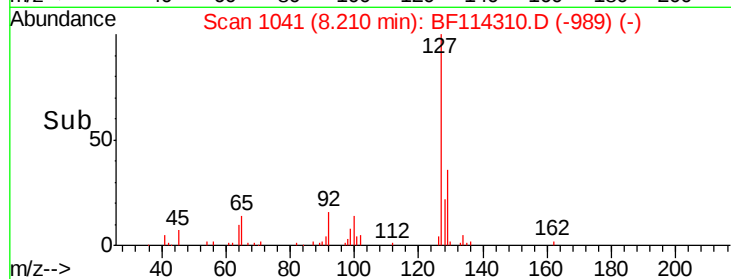
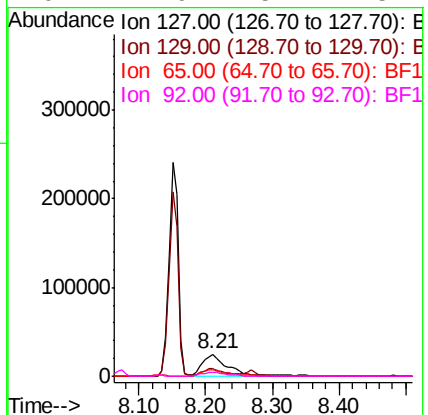
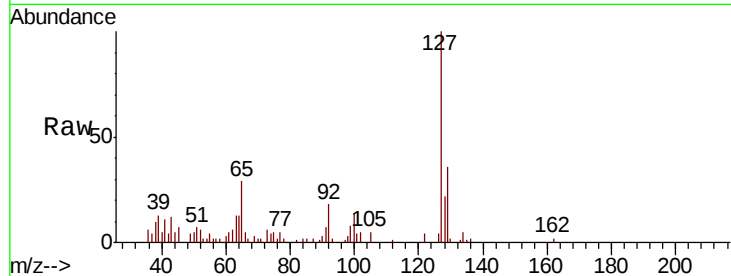
#33
4-Chloroaniline
Concen: 3.325 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		69038		
129	35.7	26.7	40.1		
65	29.5	25.4	38.0		
92	17.9	15.4	23.2		

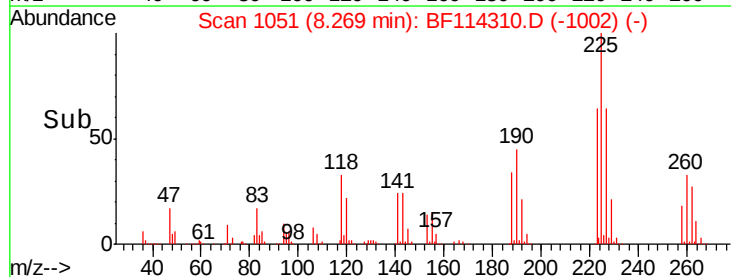
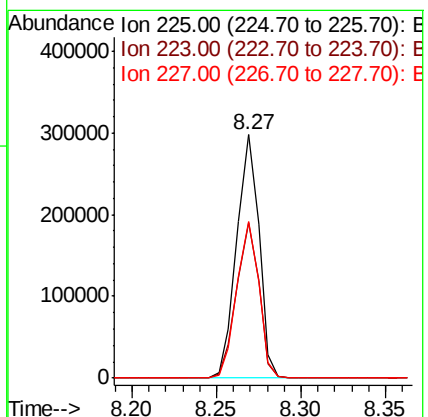
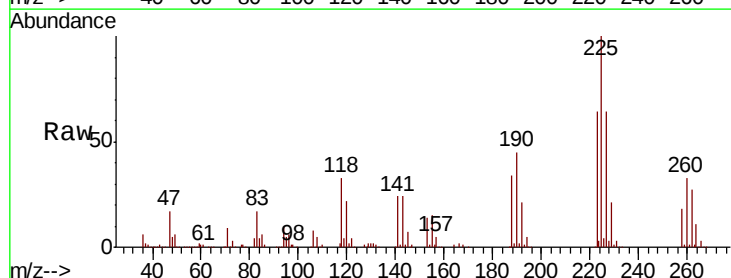
Manual Integrations
APPROVED

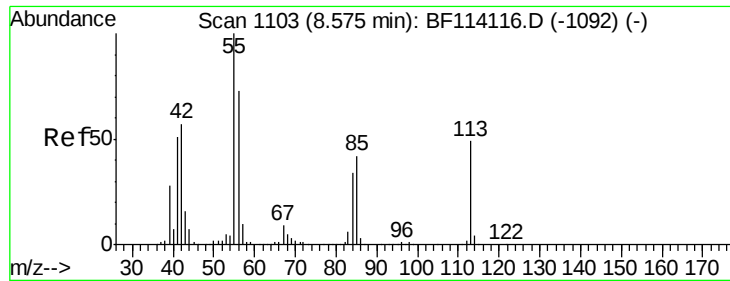
mohammad
5/17/2019 3:04:15 PM



#34
Hexachlorobutadiene
Concen: 31.708 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		275586		
223	63.7	50.2	75.2		
227	64.5	52.6	79.0		





#35

Caprolactam

Concen: 34.075 ng/mL

RT: 8.58 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

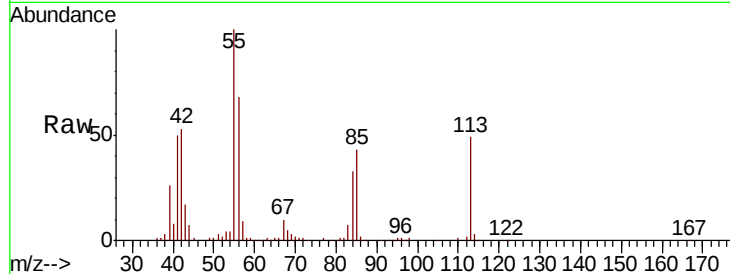
ClientSampleId :

SOIL-COMPMS

Tot Ion:	113	Resp:	149254
Ion Ratio	Lower	Upper	
113	100		
55	205.2	183.5	223.5
56	140.5	128.8	168.8

Manual Integrations
APPROVED

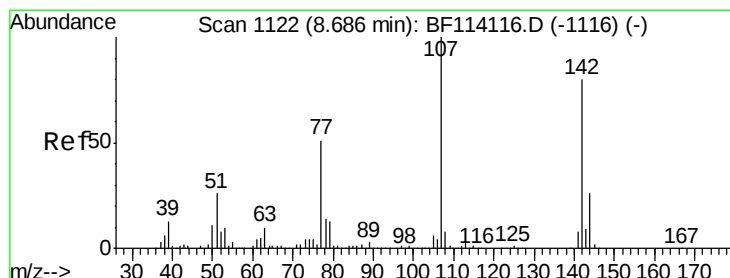
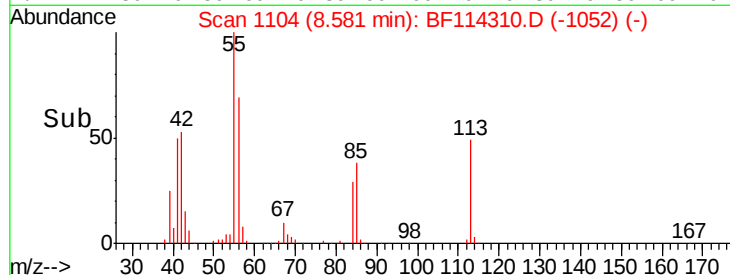
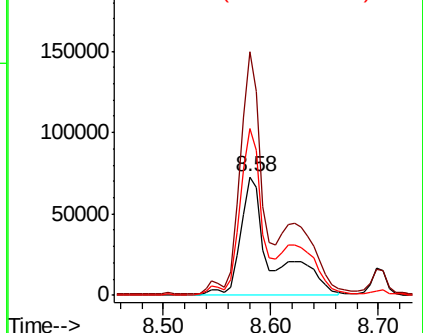
mohammad
5/17/2019 3:04:15 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 42.862 ng/mL

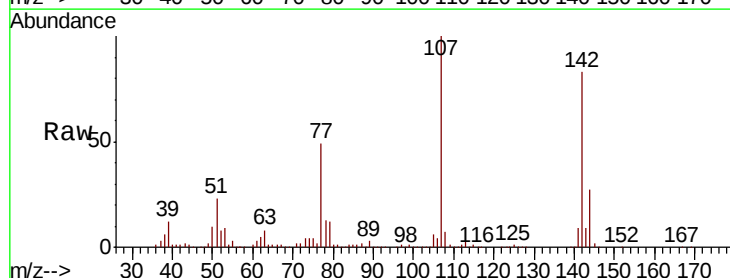
RT: 8.70 min Scan# 1125

Delta R.T. 0.02 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

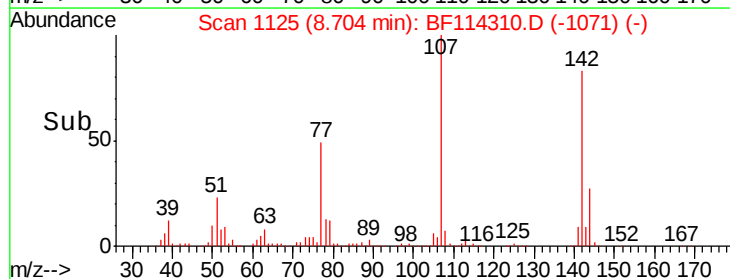
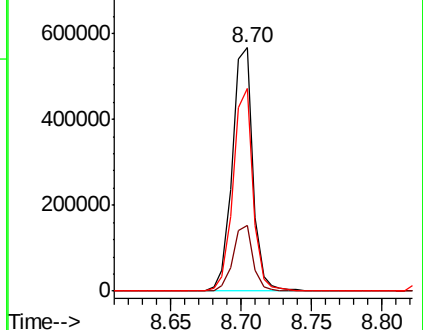
Tgt Ion:	107	Resp:	579550
Ion Ratio	Lower	Upper	
107	100		
144	26.8	20.4	30.6
142	83.3	64.2	96.4

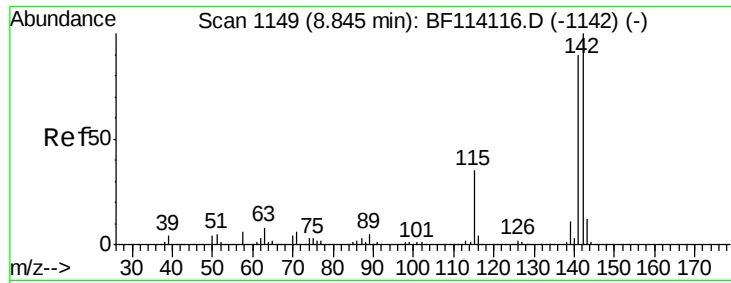


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





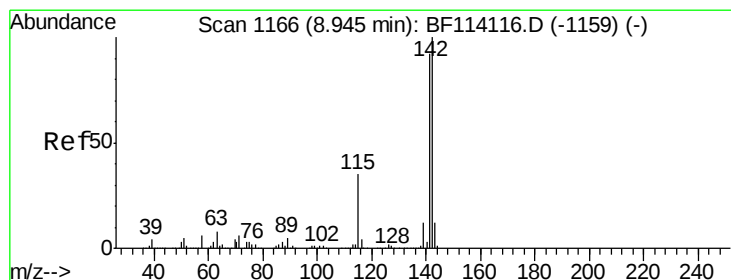
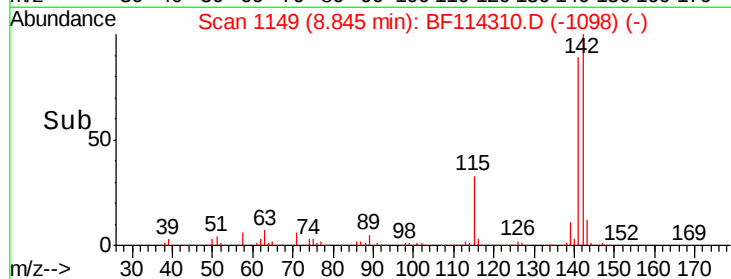
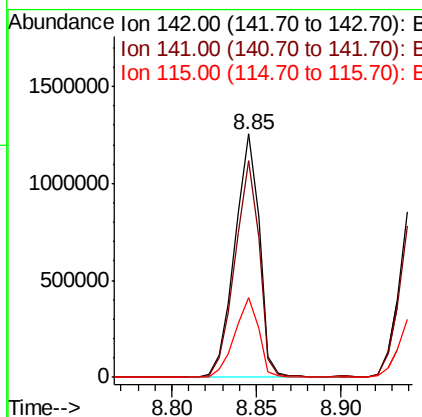
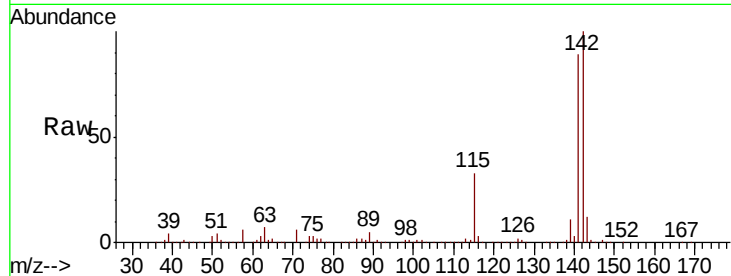
#37
2-Methylnaphthalene
Concen: 43.102 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:142 Resp: 1267148
Ion Ratio Lower Upper
142 100
141 89.1 72.1 108.1
115 32.7 28.0 42.0

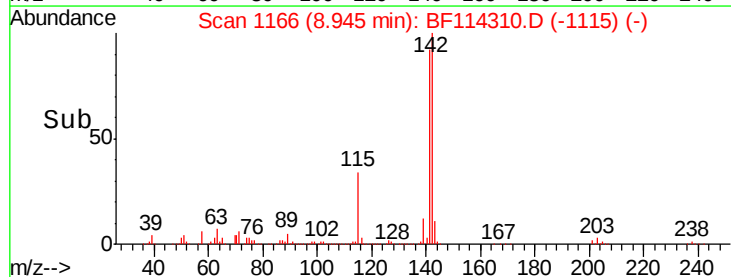
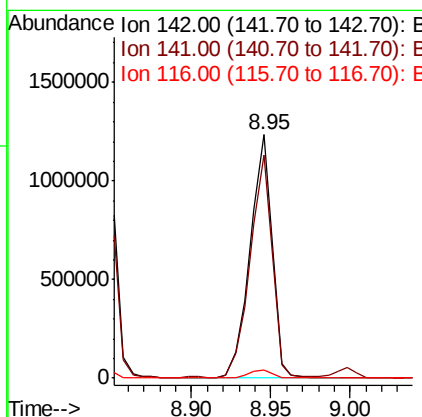
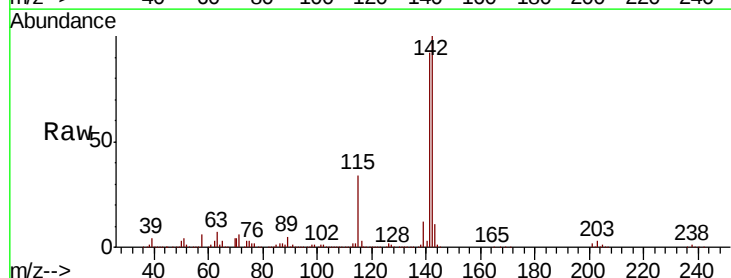
Manual Integrations
APPROVED

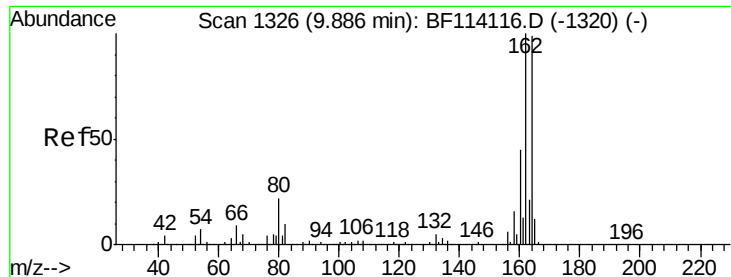
mohammad
5/17/2019 3:04:15 PM



#38
1-Methylnaphthalene
Concen: 42.851 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion:142 Resp: 1186359
Ion Ratio Lower Upper
142 100
141 91.8 73.4 110.0
116 3.5 3.1 4.7





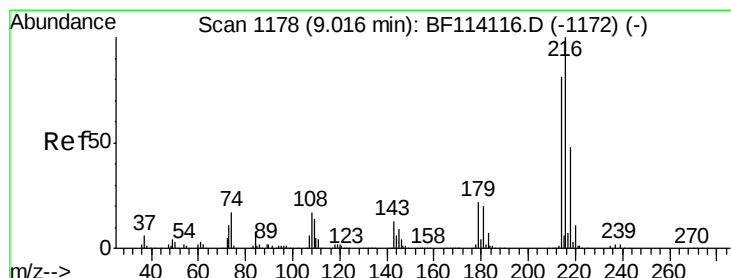
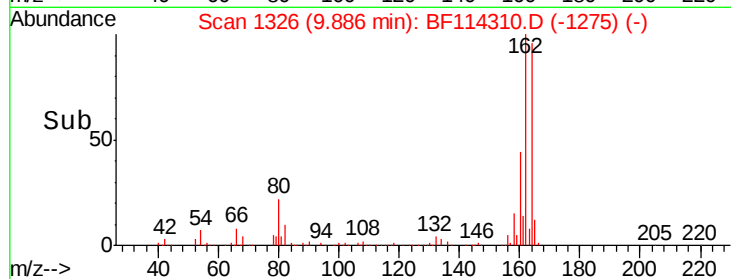
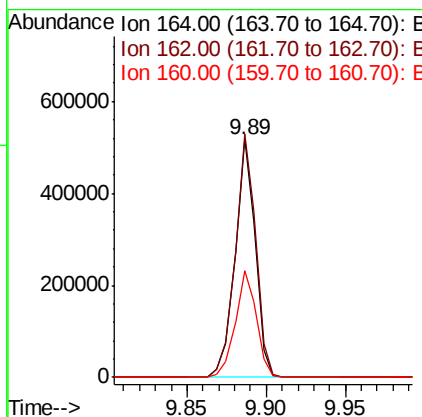
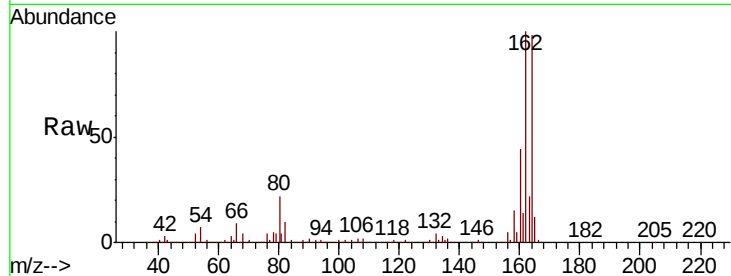
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	45.0	36.5	54.7

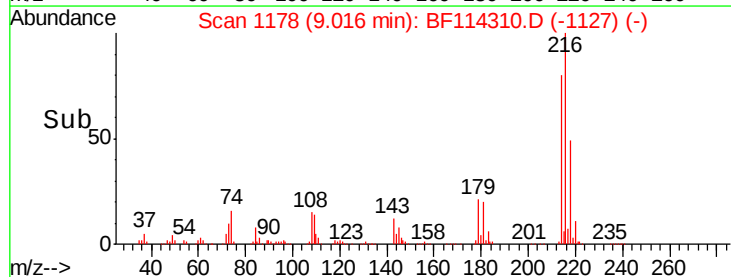
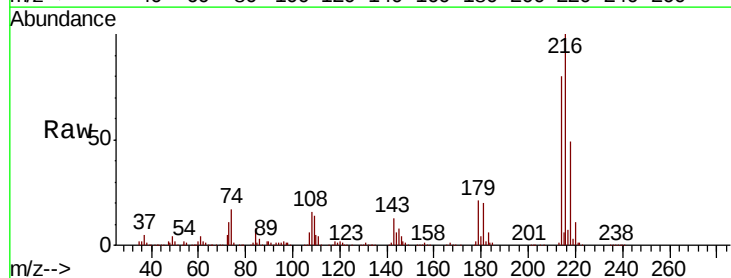
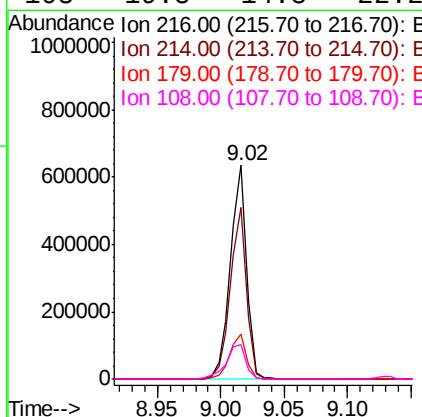
Manual Integrations
APPROVED

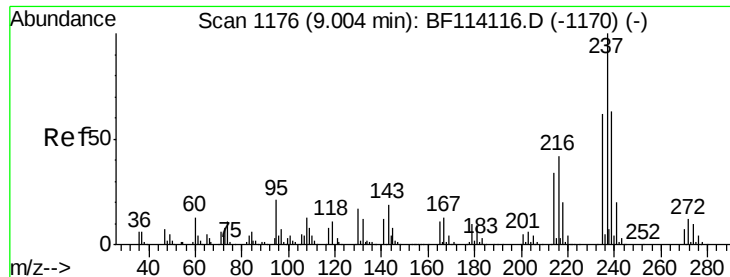
mohammad
5/17/2019 3:04:15 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.369 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.9	95.9
179	21.3	17.0	25.6
108	19.5	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 55.493 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

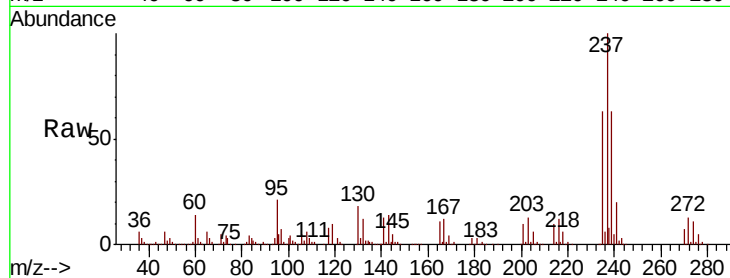
ClientSampleId :

SOIL-COMPMS

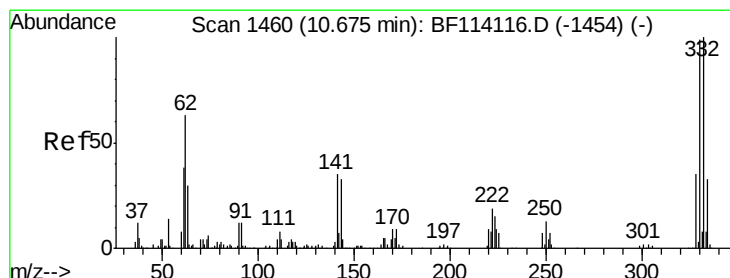
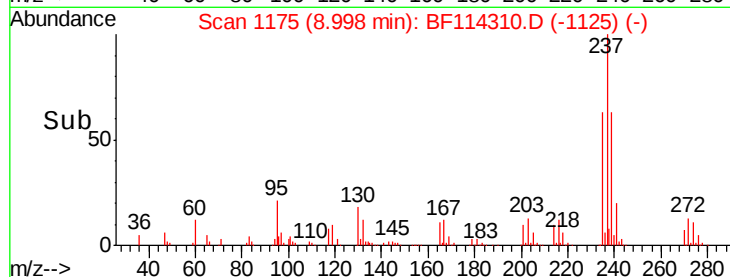
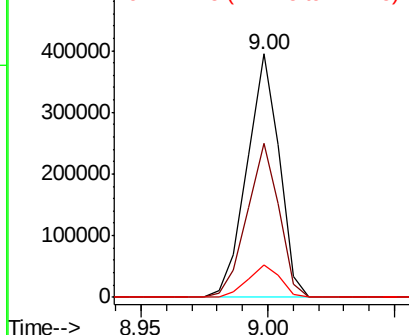
Tot Ion:	237	Resp:	348473
Ion Ratio	Lower	Upper	
237	100		
235	63.1	42.0	82.0
272	13.3	0.0	32.4

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 104.647 ng

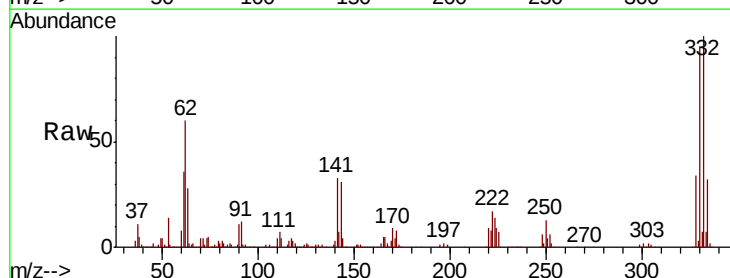
RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

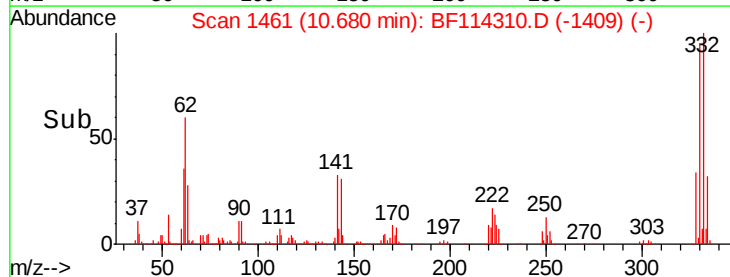
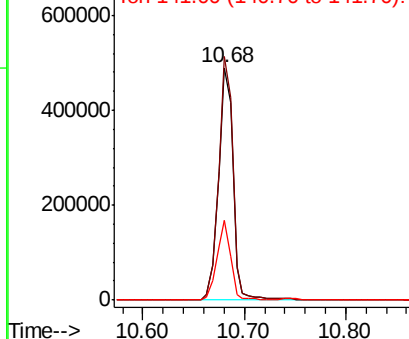
Lab File: BF114310.D

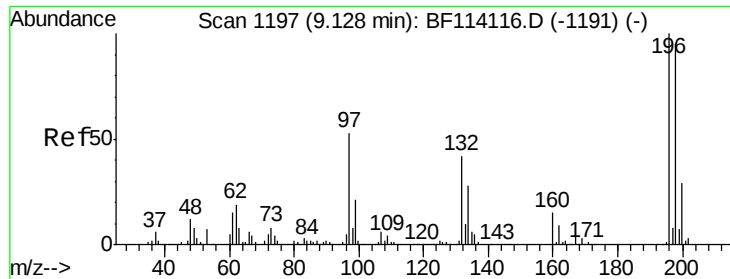
Acq: 16 May 2019 15:48

Tgt Ion:	330	Resp:	493853
Ion Ratio	Lower	Upper	
330	100		
332	102.2	81.4	122.2
141	32.2	26.6	40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





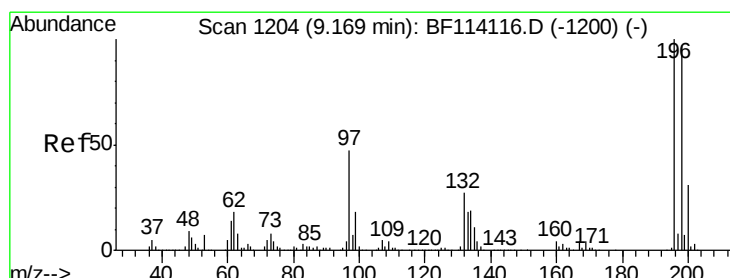
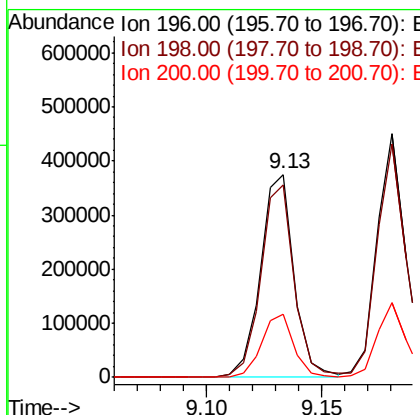
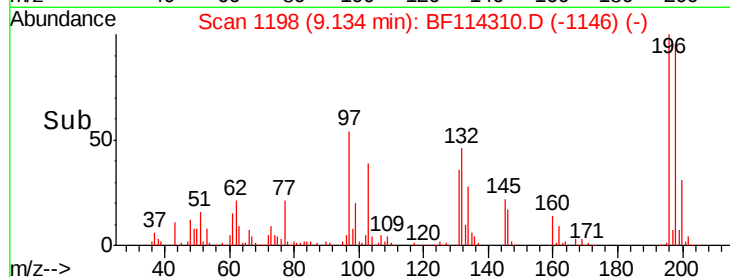
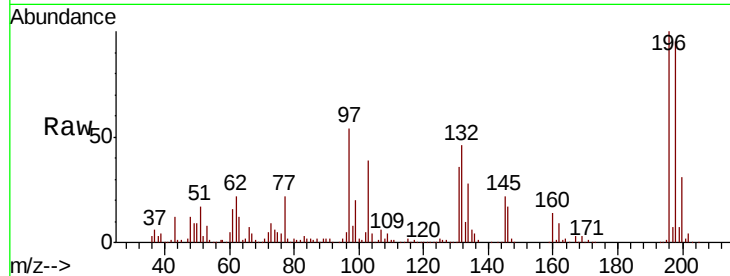
#43
 2,4,6-Trichlorophenol
 Concen: 39.842 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	378938		
198	95.1	75.9	113.9	
200	31.0	23.5	35.3	

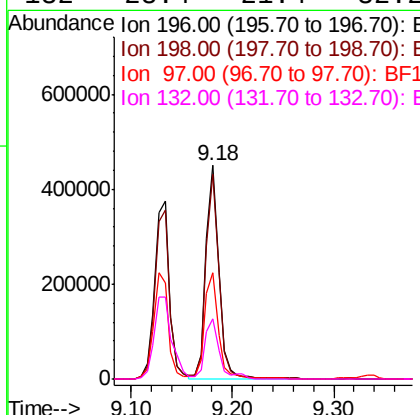
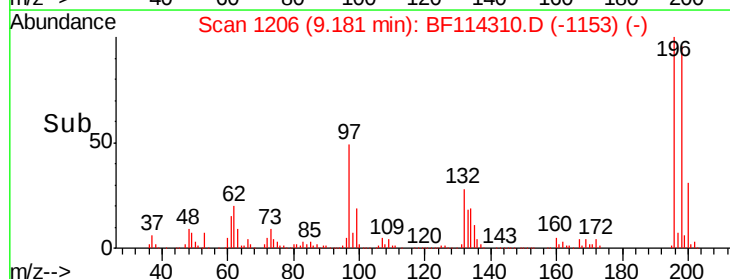
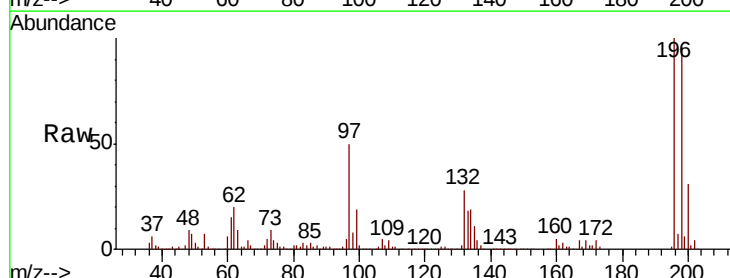
Manual Integrations
 APPROVED

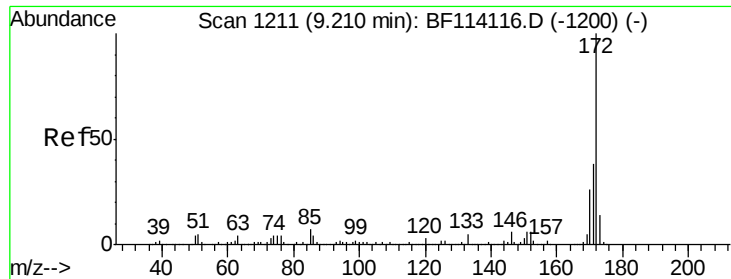
mohammad
 5/17/2019 3:04:15 PM



#44
 2,4,5-Trichlorophenol
 Concen: 41.266 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	402513		
198	95.7	77.7	116.5	
97	49.5	38.2	57.2	
132	28.4	21.4	32.2	





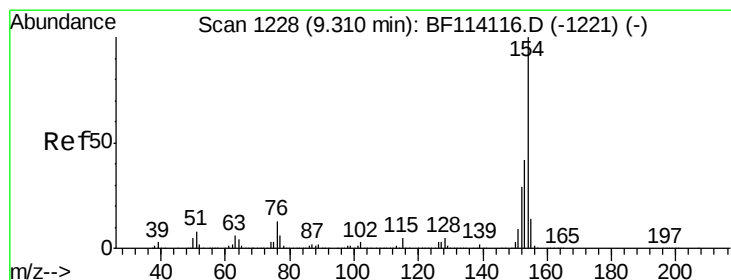
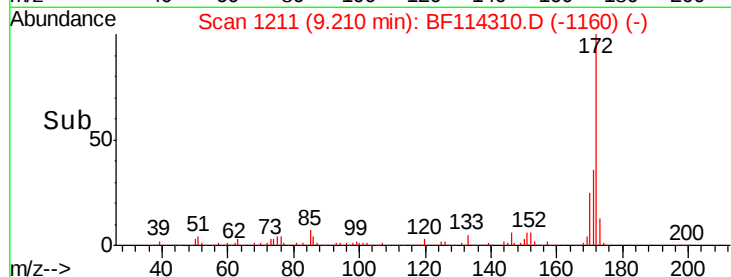
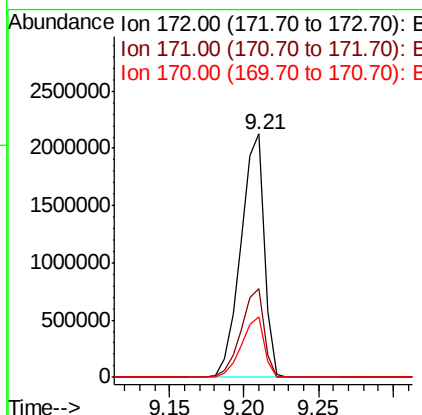
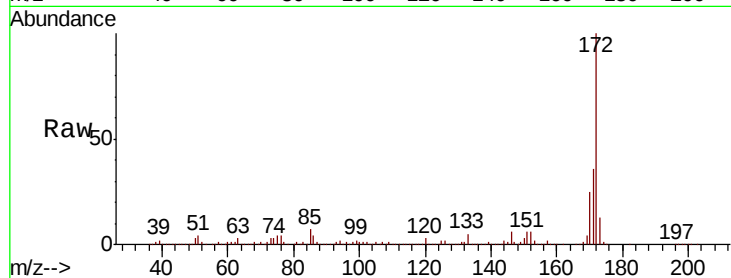
#45
2-Fluorobiphenyl
Concen: 76.983 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.7	46.1
170	24.7	20.5	30.7

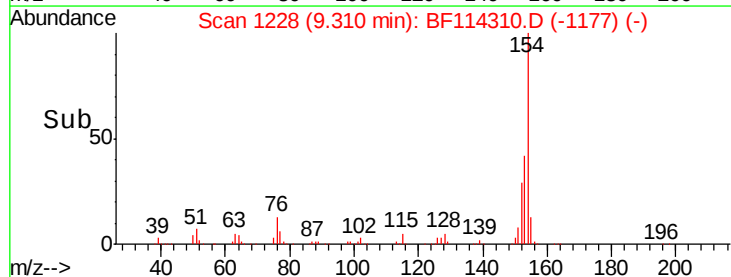
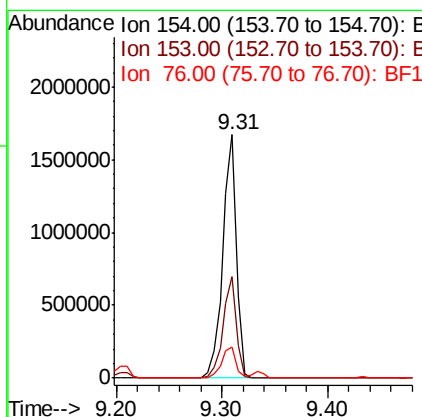
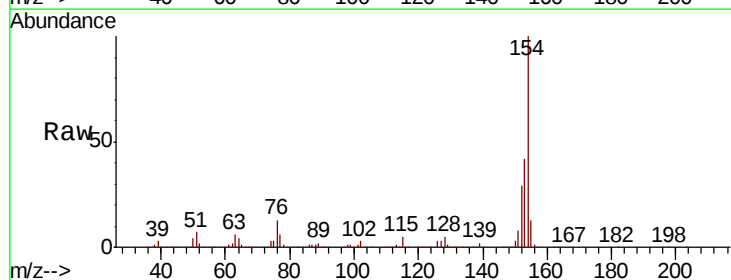
Manual Integrations
APPROVED

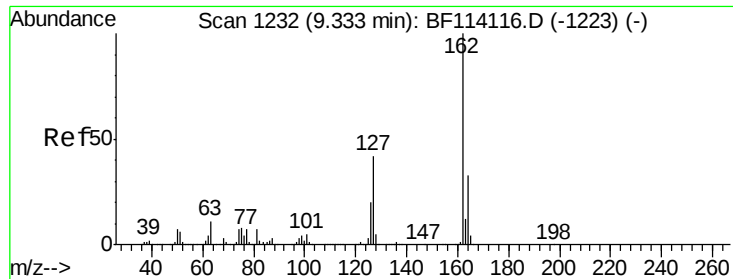
mohammad
5/17/2019 3:04:15 PM



#46
1,1'-Biphenyl
Concen: 41.017 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.9	61.9
76	13.0	0.0	32.8





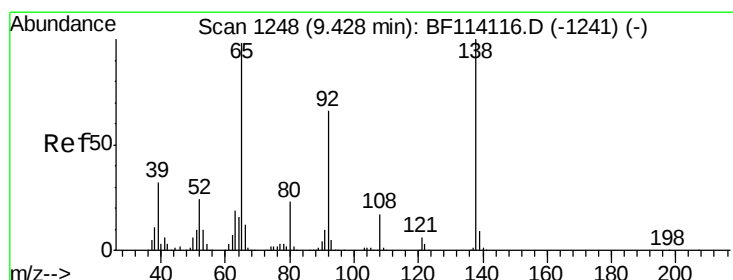
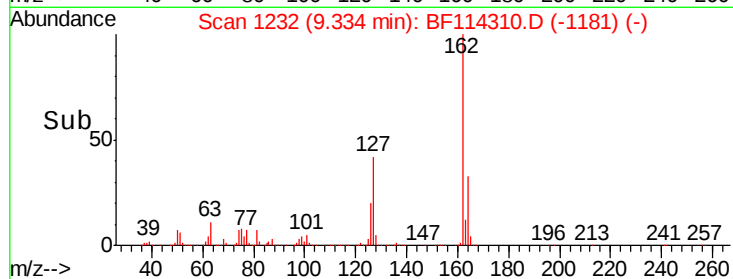
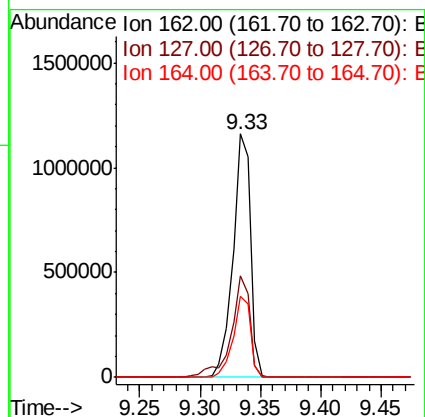
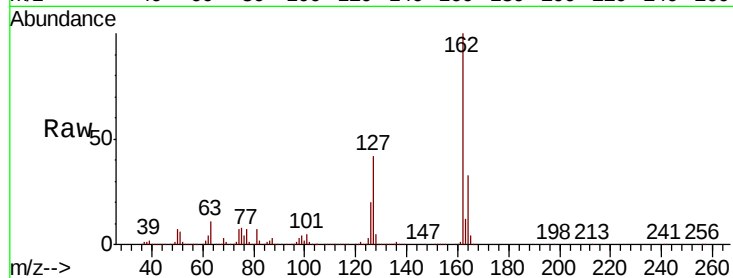
#47
2-Chloronaphthalene
Concen: 39.509 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.0	51.0
164	33.4	26.7	40.1

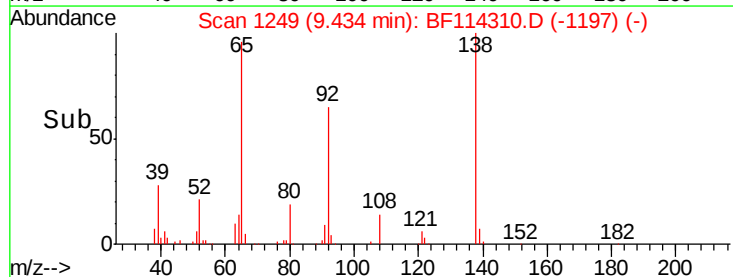
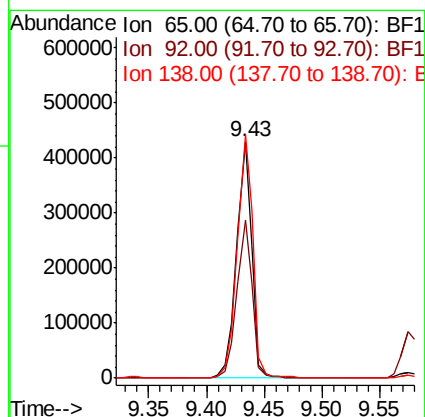
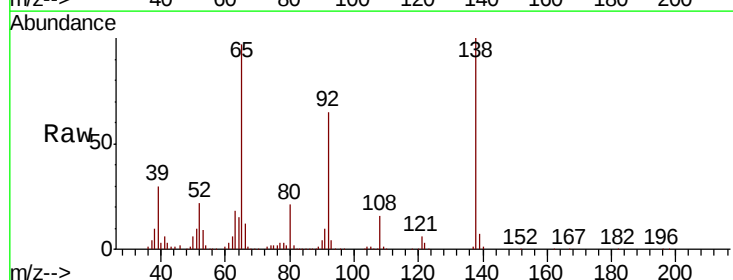
Manual Integrations
APPROVED

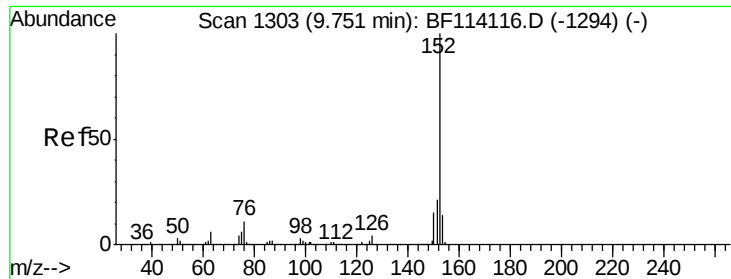
mohammad
5/17/2019 3:04:15 PM



#48
2-Nitroaniline
Concen: 37.346 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.9	80.9
138	103.2	81.4	122.0





#49

Acenaphthylene

Concen: 40.940 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:152 Resp: 1847995

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

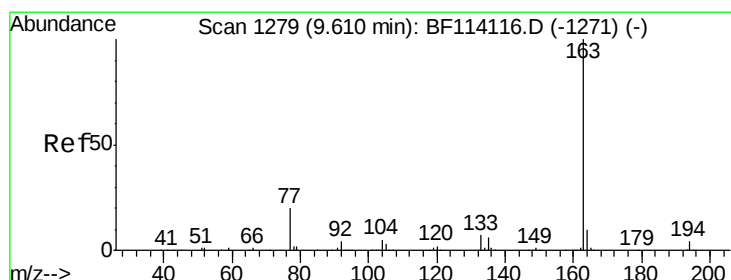
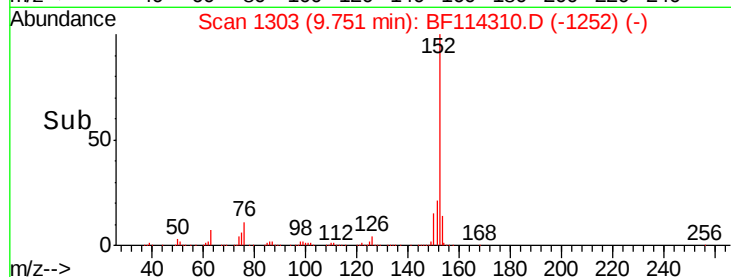
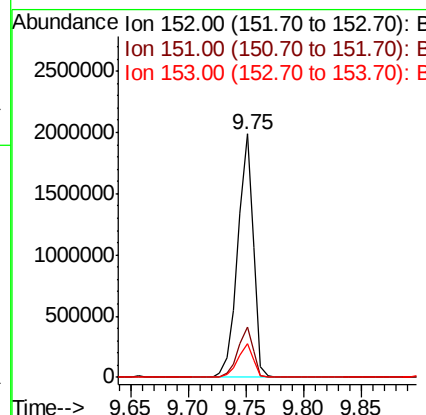
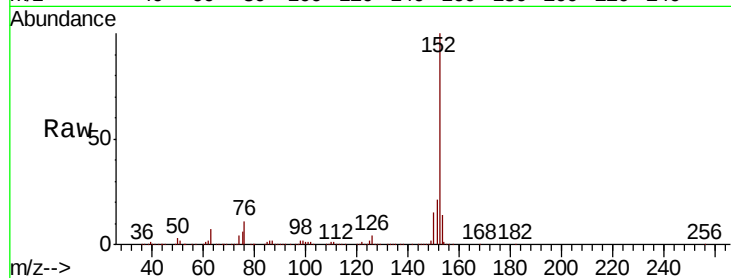
153 13.7 11.4 17.2

Manual Integrations

APPROVED

mohammad

5/17/2019 3:04:15 PM



#50

Dimethylphthalate

Concen: 40.622 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

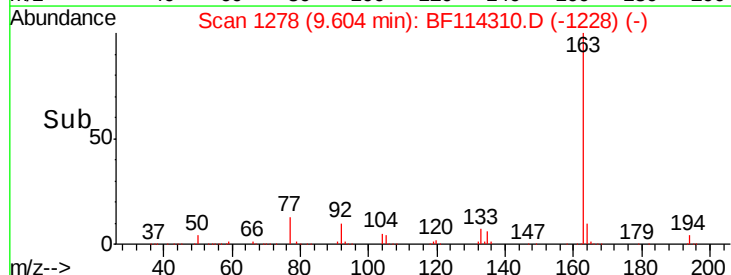
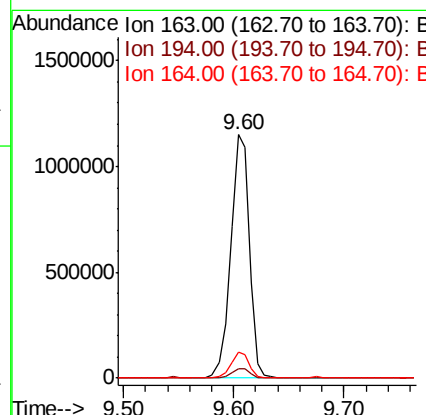
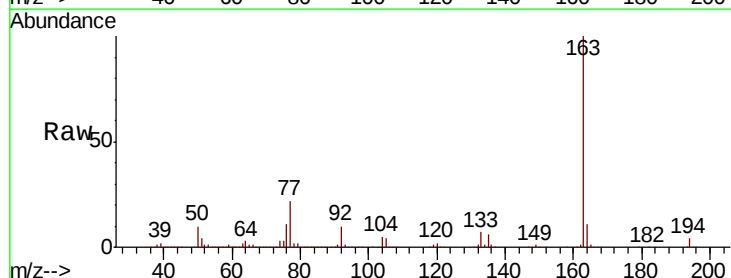
Tgt Ion:163 Resp: 1361236

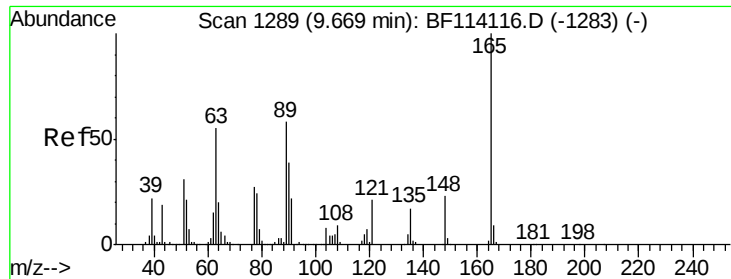
Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

164 10.7 8.2 12.2





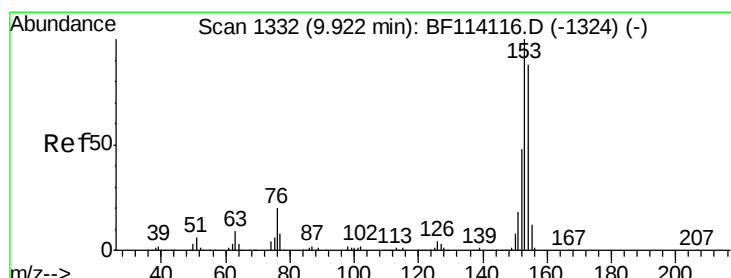
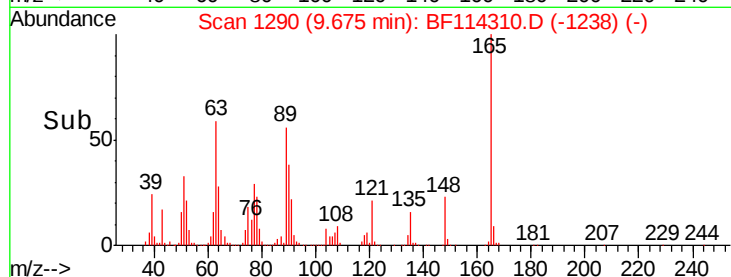
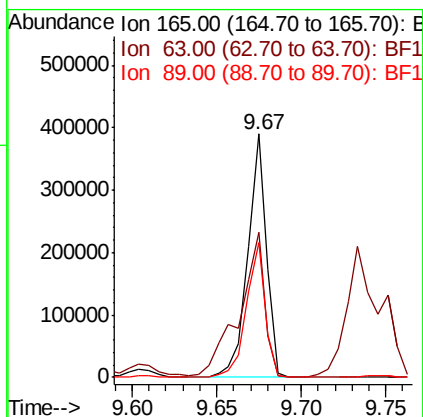
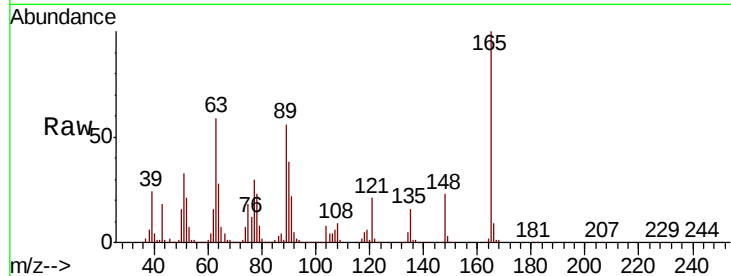
#51
 2,6-Dinitrotoluene
 Concen: 41.018 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.4	50.2	75.4
89	55.6	46.6	69.8

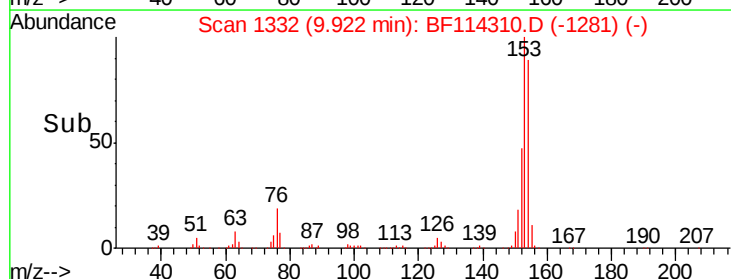
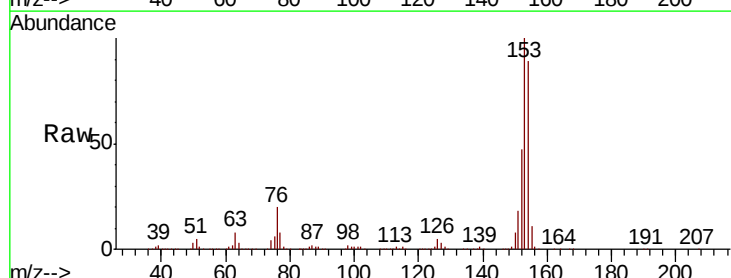
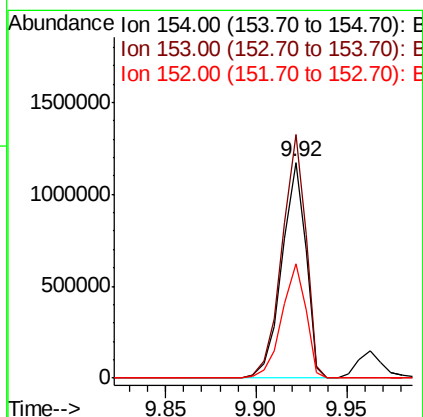
Manual Integrations
 APPROVED

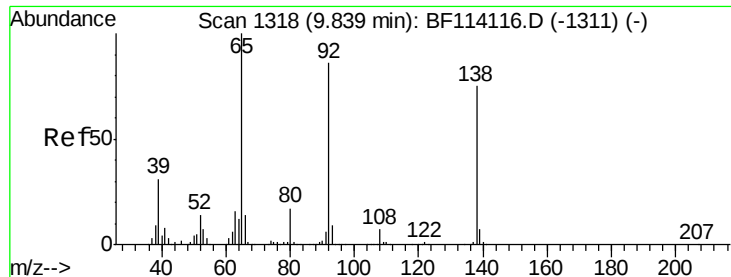
mohammad
 5/17/2019 3:04:15 PM



#52
 Acenaphthene
 Concen: 39.136 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.5	135.7
152	52.9	43.4	65.2





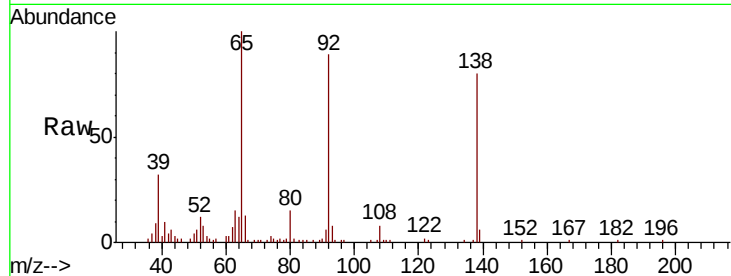
#53
3-Nitroaniline
Concen: 4.759 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.6	7.8	11.6
92	112.4	91.2	136.8

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

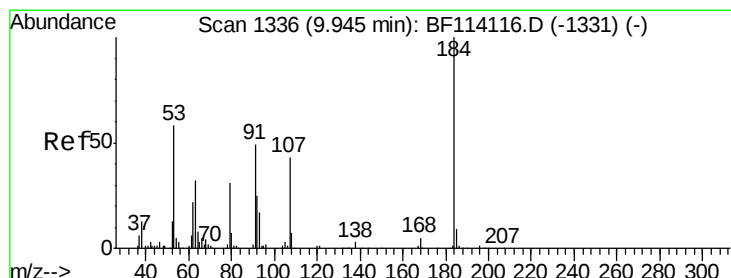
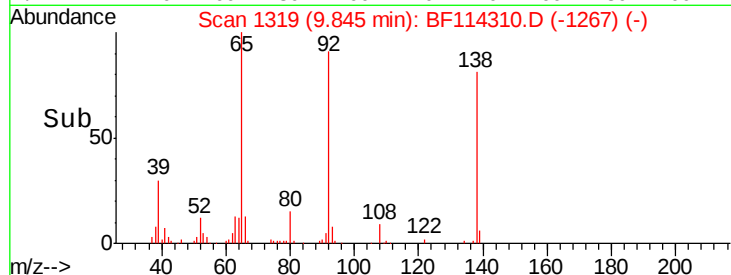
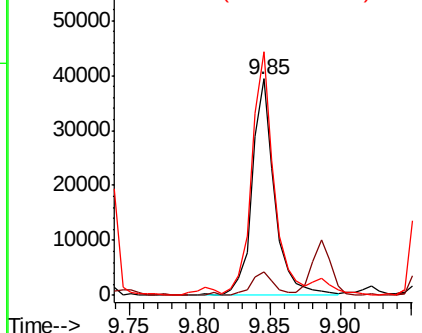


Abundance

Ion 138.00 (137.70 to 138.70): E

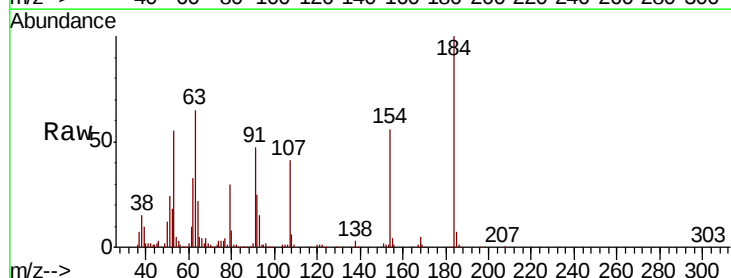
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 69.986 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.4	55.6	83.4
154	56.2	46.0	69.0

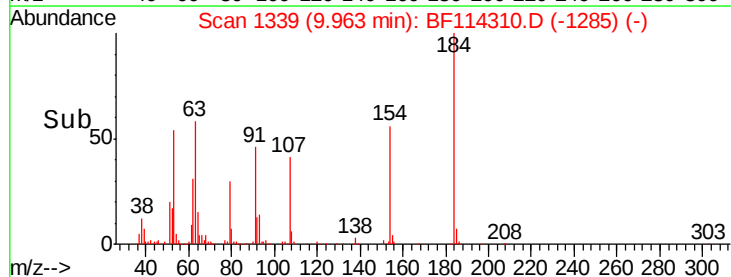
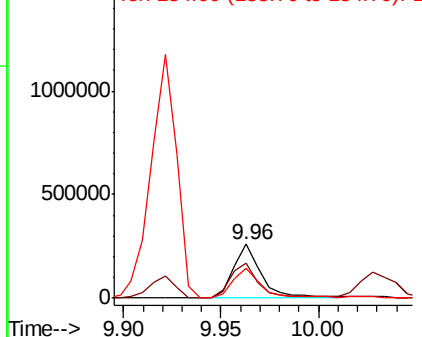


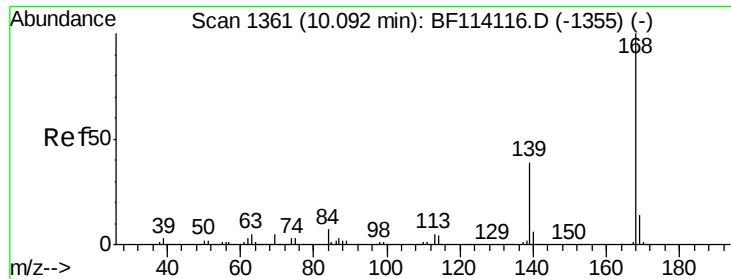
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





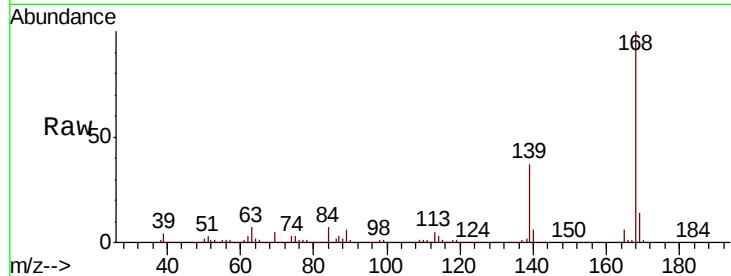
#55
Dibenzenofuran
Concen: 38.984 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.1	46.7
169	14.0	11.4	17.0

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

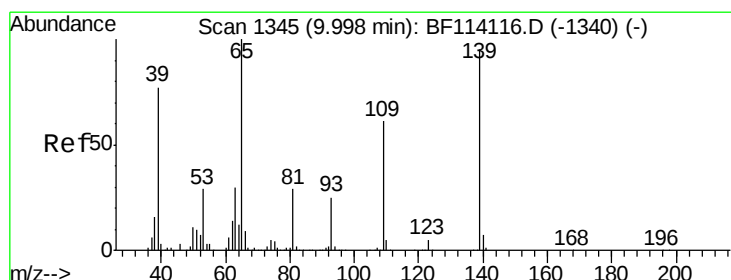
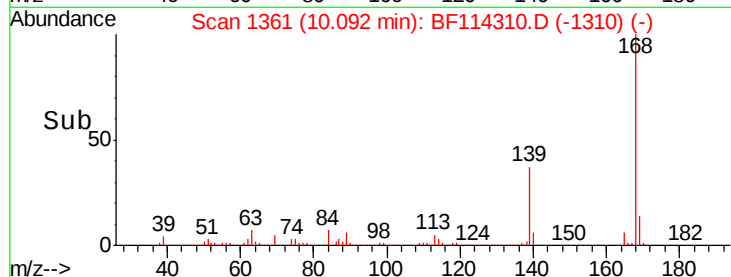
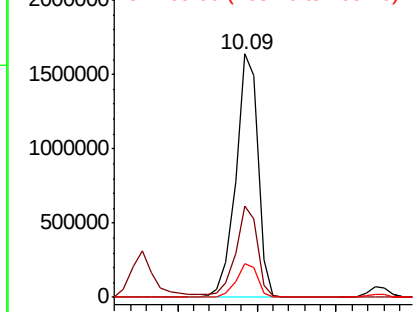


Abundance

Ion 168.00 (167.70 to 168.70): E

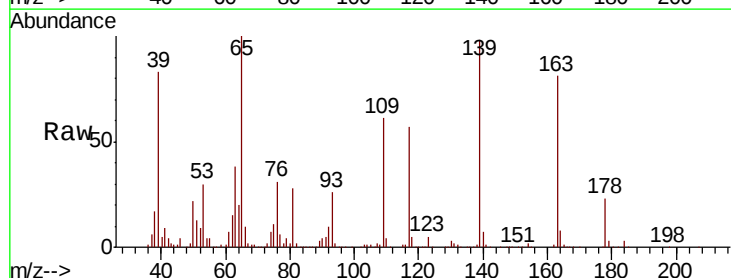
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 49.852 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.03 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.5	43.9	83.9
65	102.4	85.7	125.7

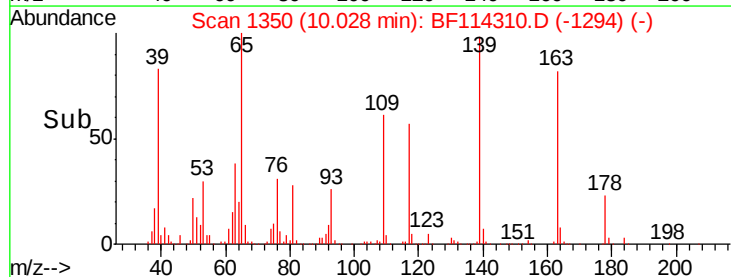
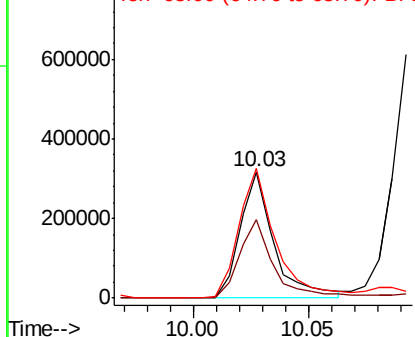


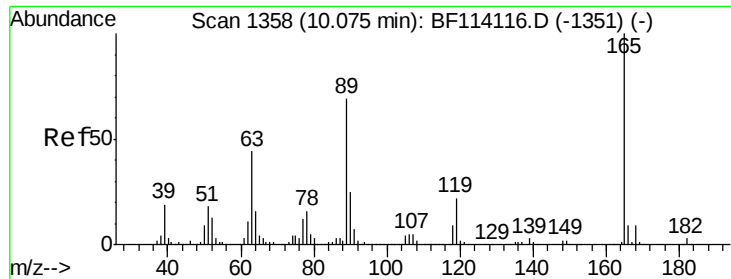
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





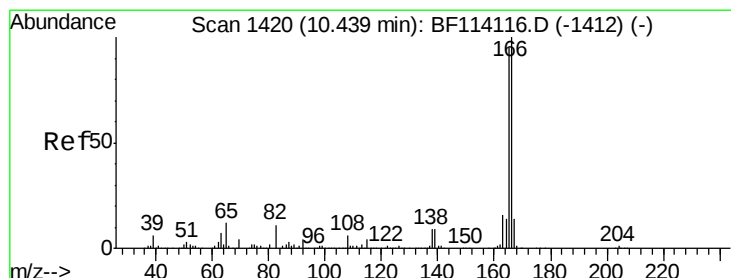
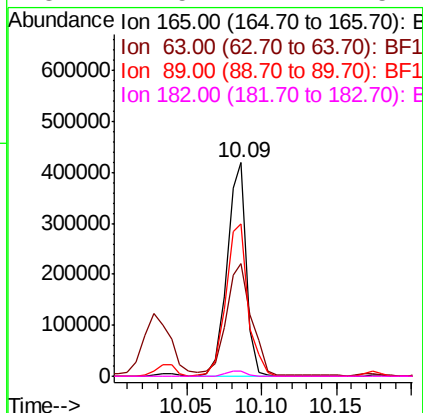
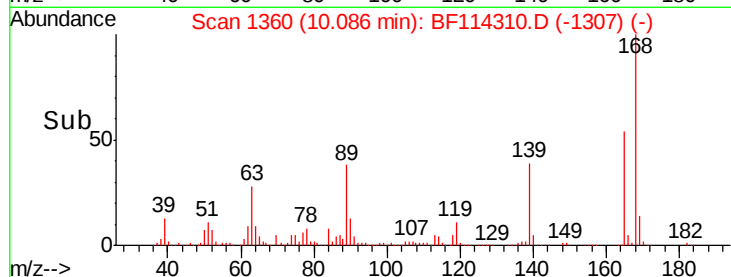
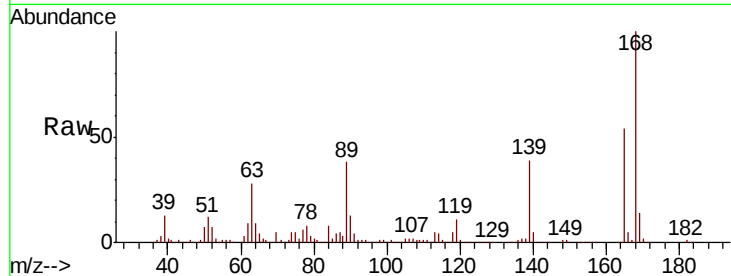
#57
2,4-Dinitrotoluene
Concen: 37.920 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.6	35.5	53.3
89	71.1	55.2	82.8
182	2.5	2.2	3.2

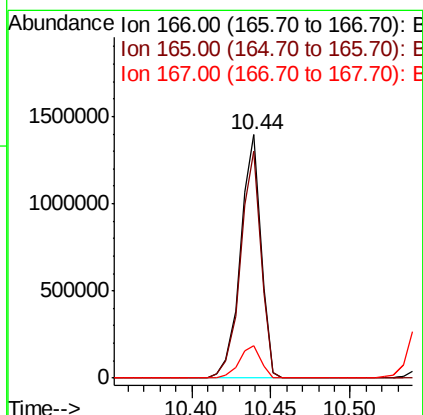
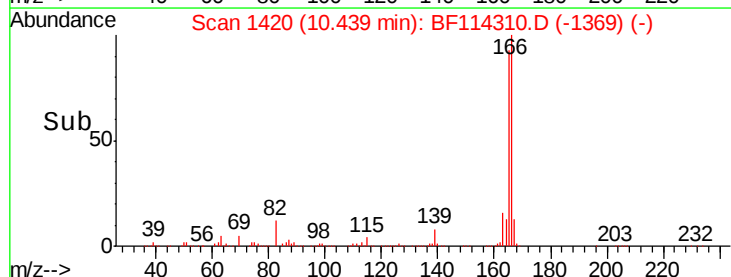
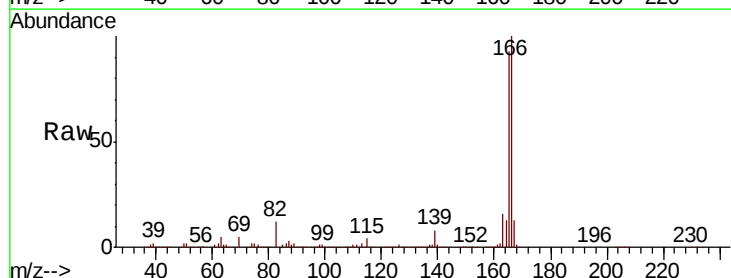
Manual Integrations
APPROVED

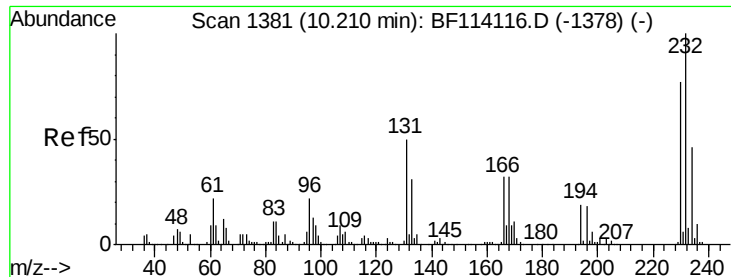
mohammad
5/17/2019 3:04:15 PM



#58
Fluorene
Concen: 39.874 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.3	76.1	114.1
167	13.5	11.1	16.7





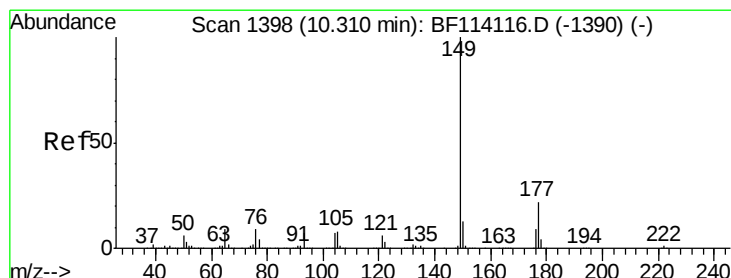
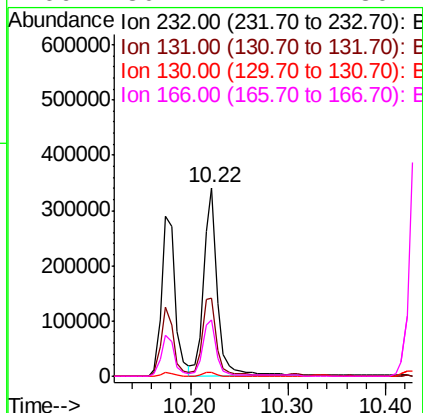
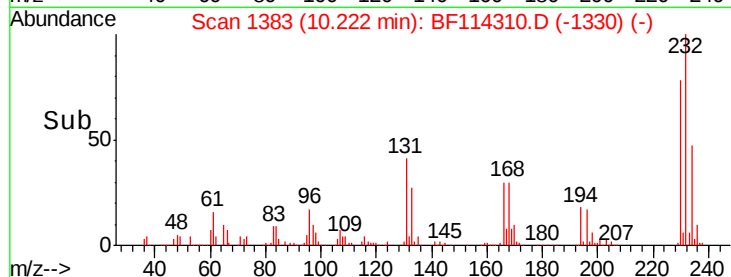
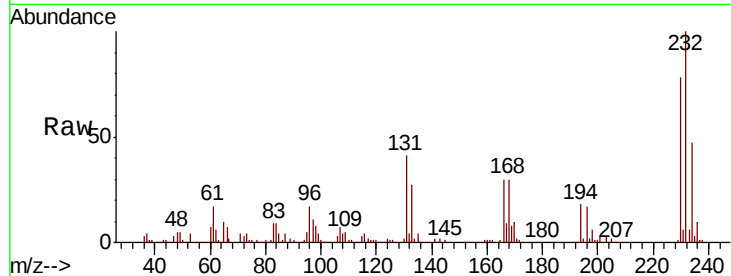
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.182 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.9	35.6	53.4
130	2.3	1.6	2.4
166	30.1	24.1	36.1

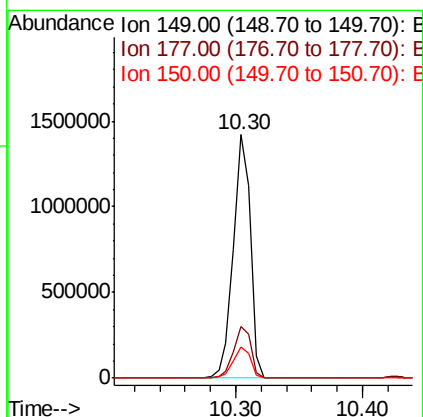
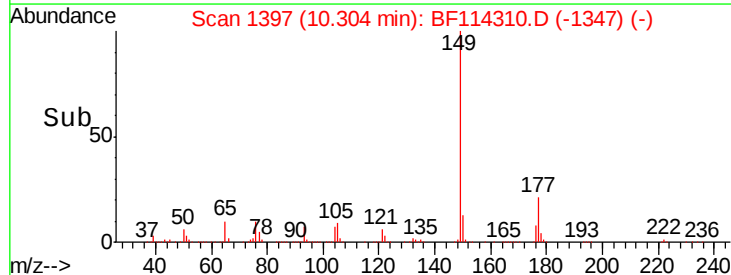
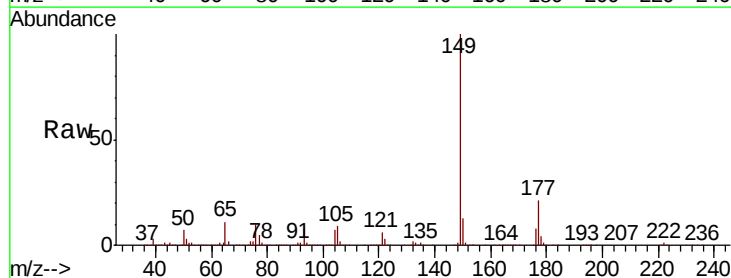
Manual Integrations
 APPROVED

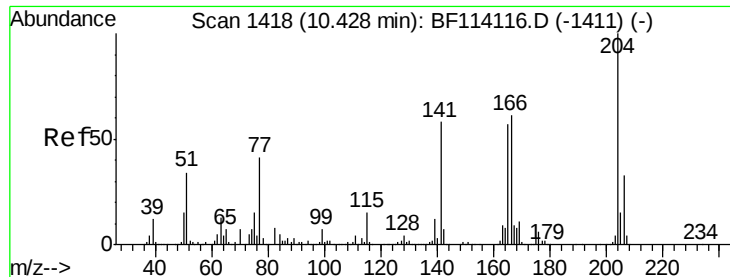
mohammad
 5/17/2019 3:04:15 PM



#60
 Diethylphthalate
 Concen: 38.389 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.8	26.6
150	13.0	10.2	15.2





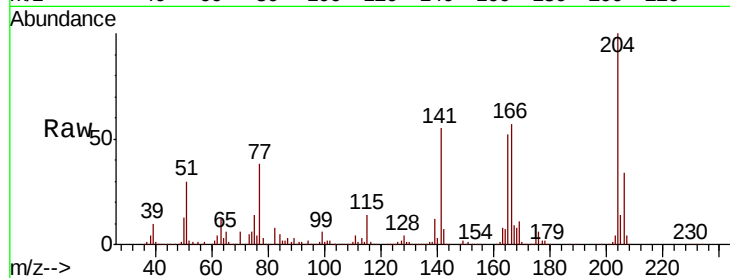
#61
4-Chlorophenyl-phenylether
Concen: 39.203 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampled :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.6	39.8
141	55.1	46.4	69.6

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

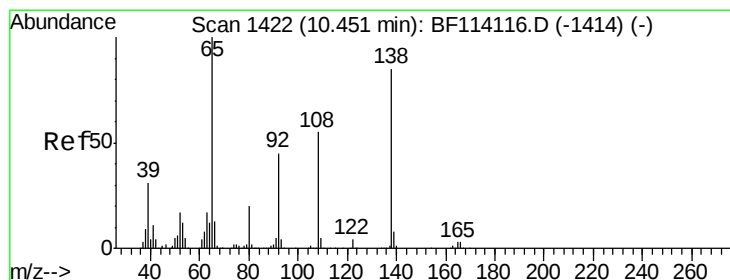
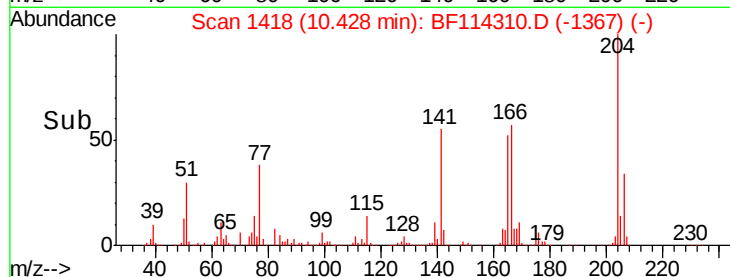
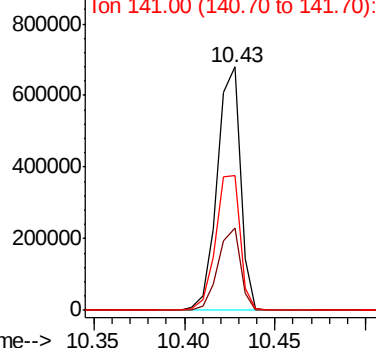


Abundance

Ion 204.00 (203.70 to 204.70): E

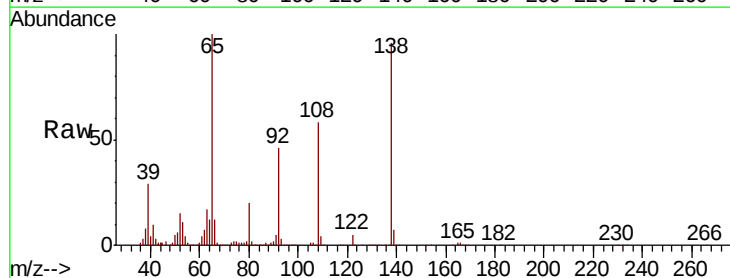
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 27.428 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.7	33.0	73.0
108	60.0	44.9	84.9

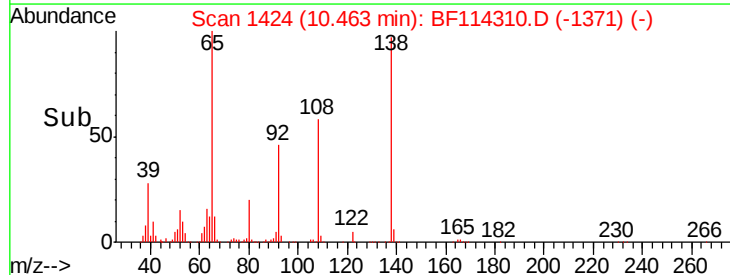
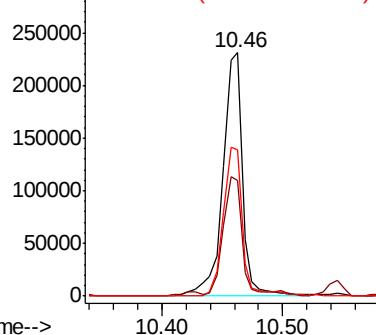


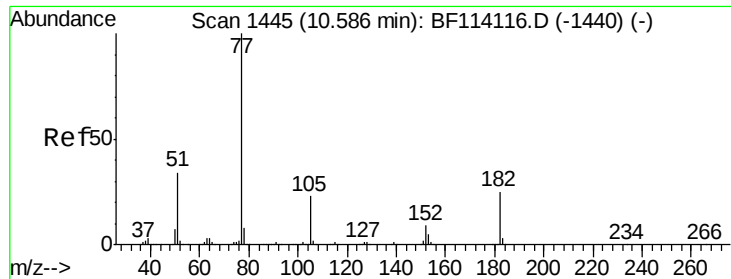
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





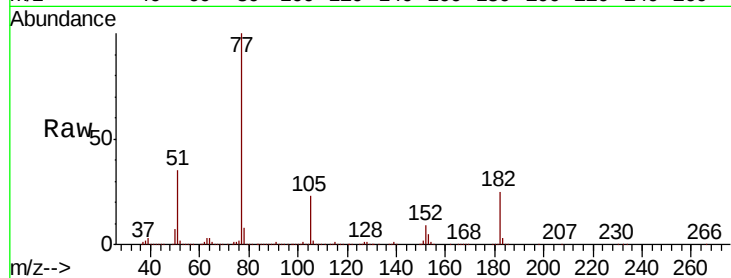
#63
Azobenzene
Concen: 39.486 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

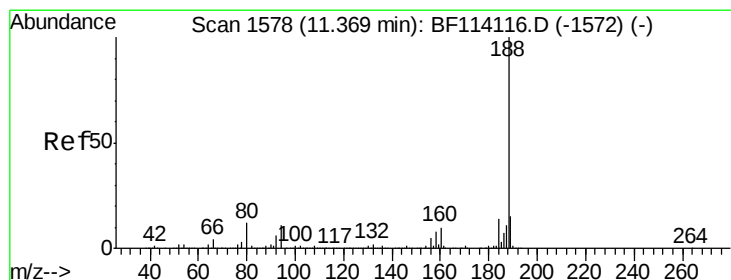
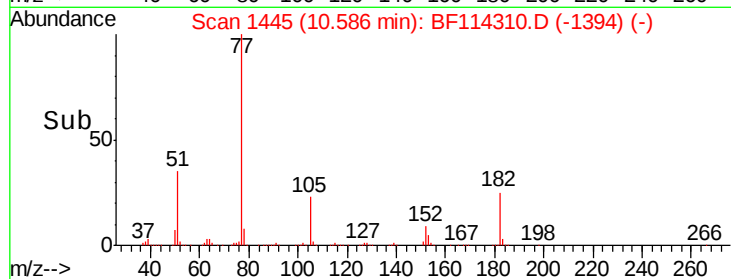
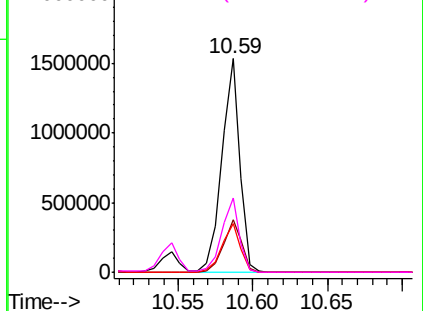
Tot Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.7	44.7
105	23.1	2.9	42.9
51	34.6	14.6	54.6

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM



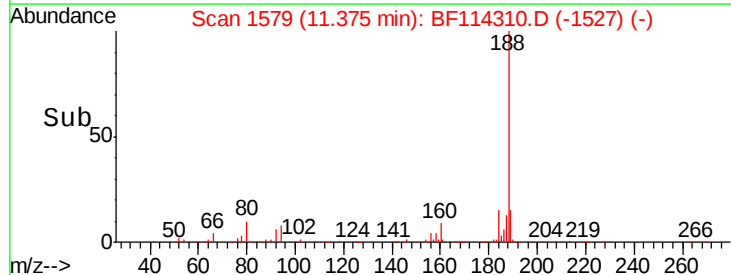
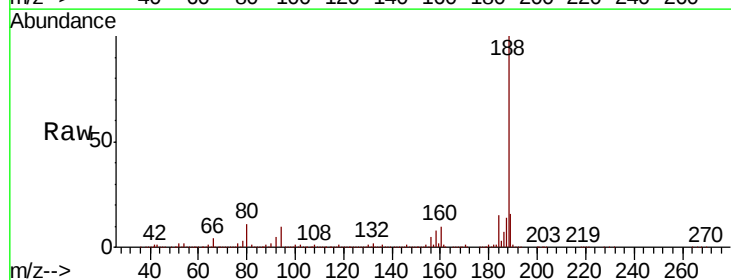
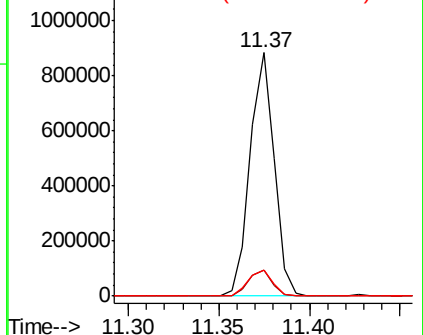
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

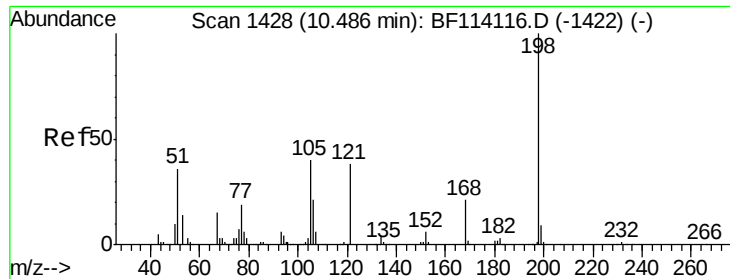


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.4	12.6
80	10.8	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





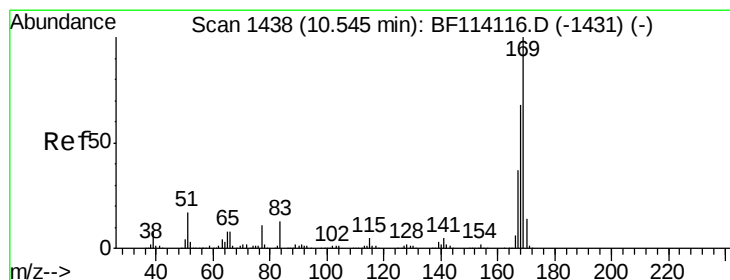
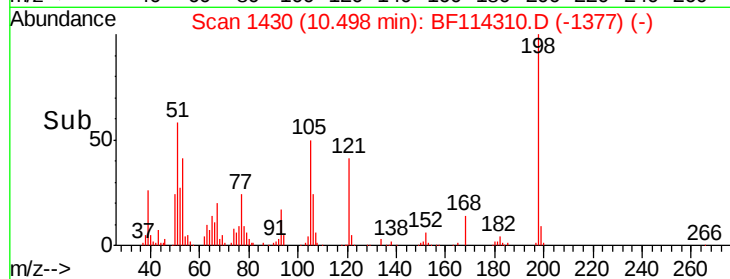
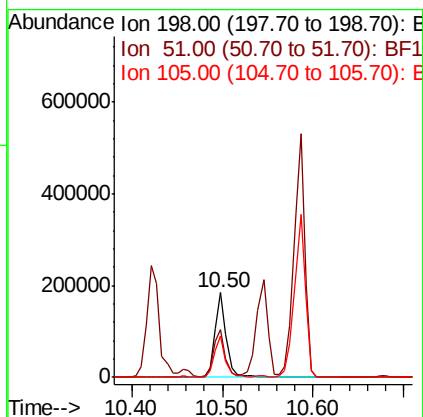
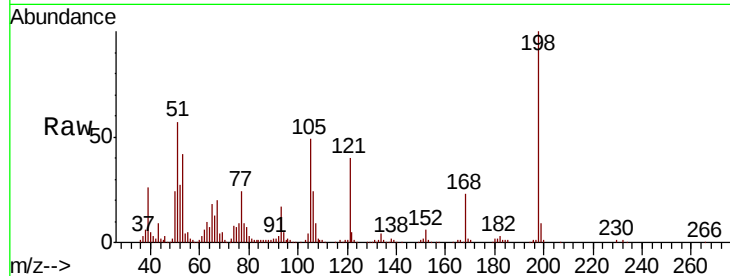
#65
4,6-Dinitro-2-methylphenol
Concen: 40.923 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	161691		
51	56.6	28.0	68.0	
105	48.8	21.1	61.1	

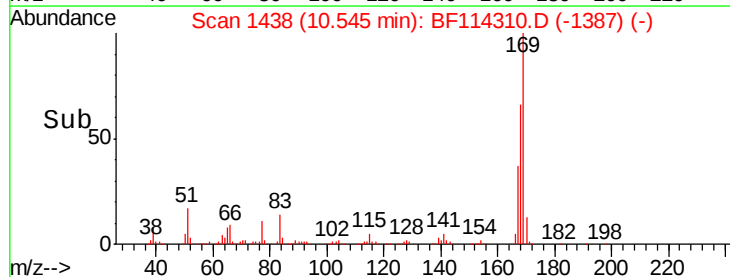
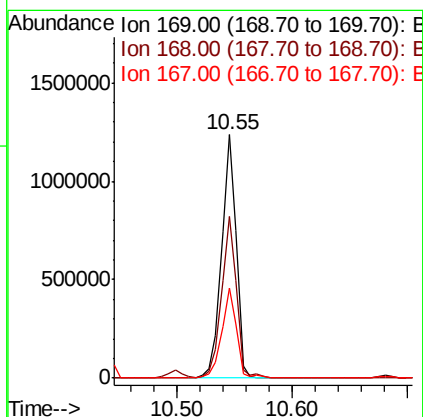
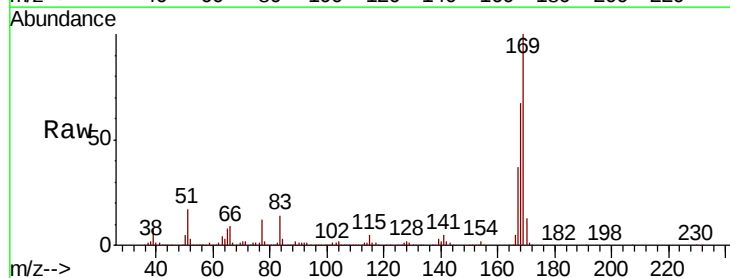
Manual Integrations
APPROVED

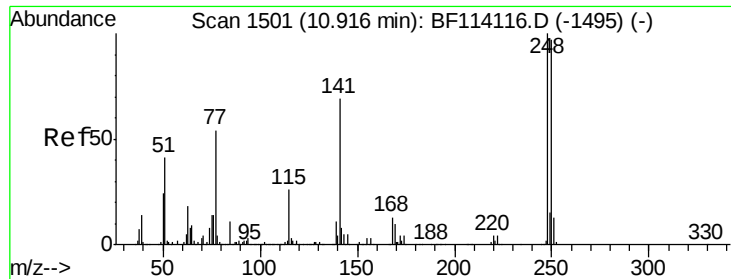
mohammad
5/17/2019 3:04:15 PM



#66
n-Nitrosodiphenylamine
Concen: 43.568 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1087288		
168	66.6	54.2	81.2	
167	36.9	29.8	44.8	





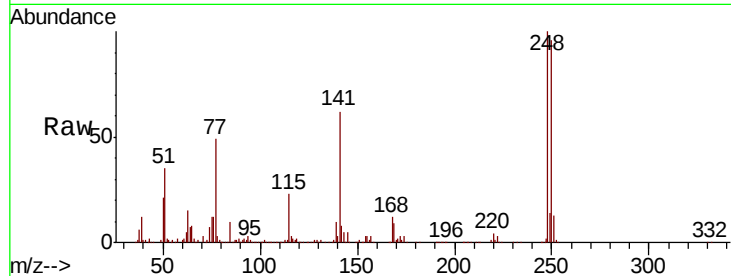
#67
4-Bromophenyl-phenylether
Concen: 42.500 ng
RT: 10.92 min Scan# 1501
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

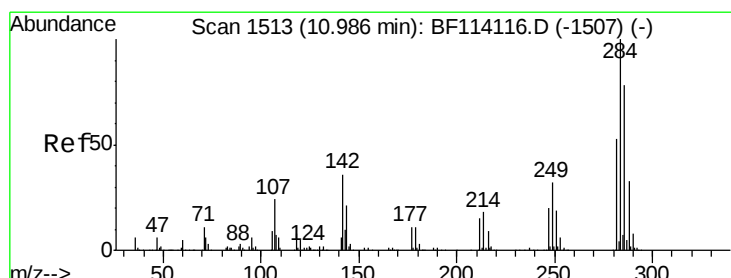
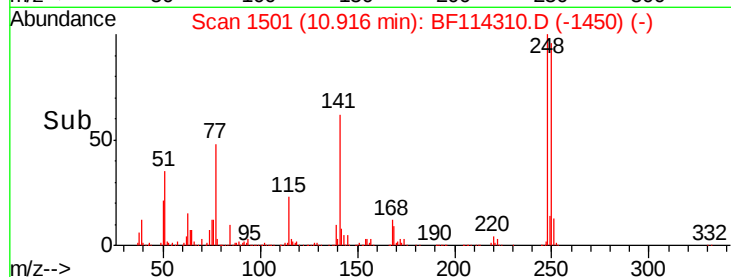
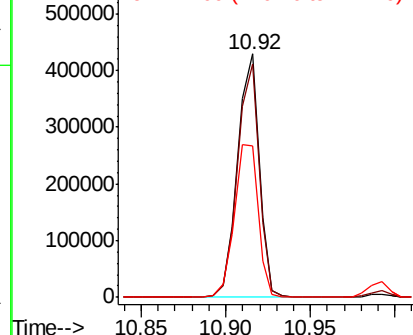
Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.4	116.2
141	62.1	55.6	83.4

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

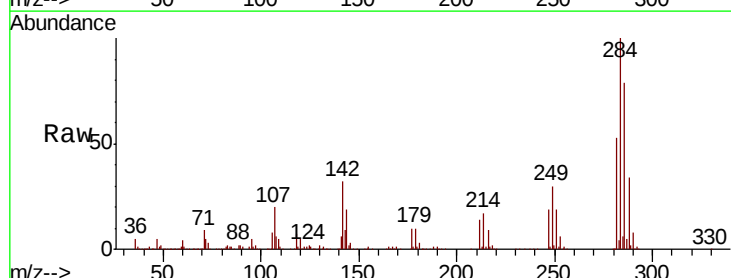


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

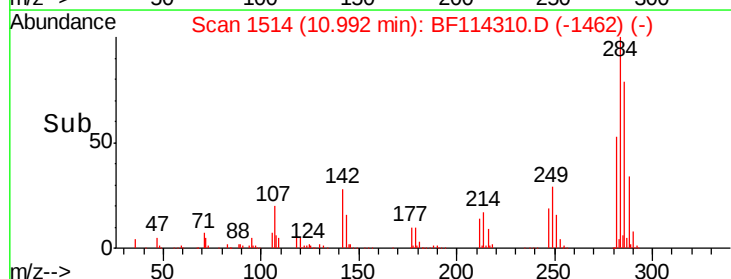
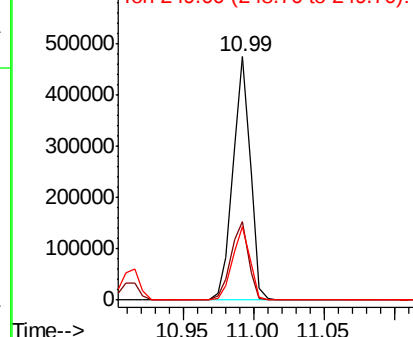


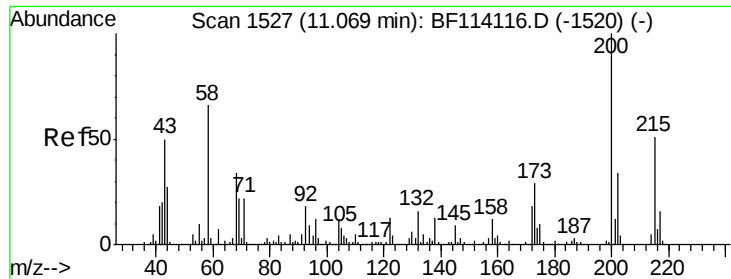
#68
Hexachlorobenzene
Concen: 40.522 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.4	28.4	42.6
249	30.3	25.2	37.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





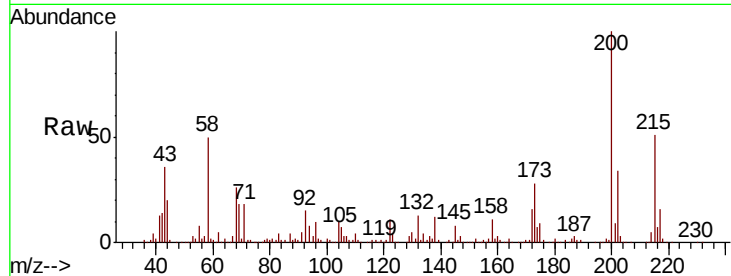
#69
 Atrazine
 Concen: 32.724 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

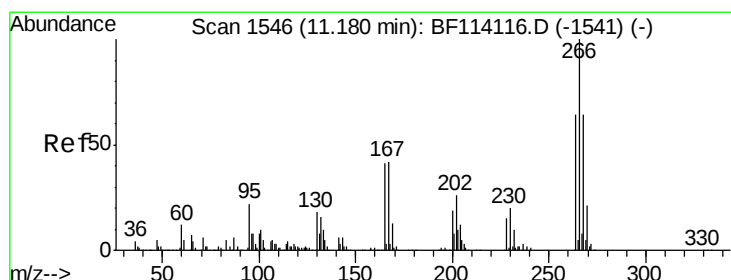
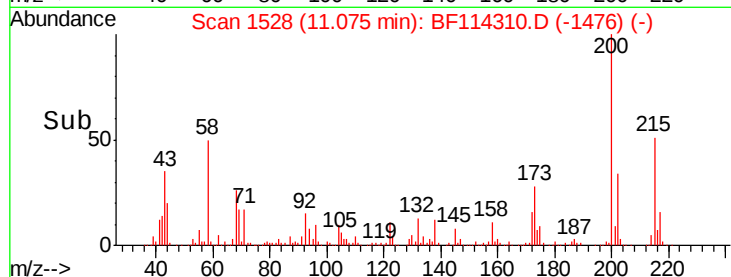
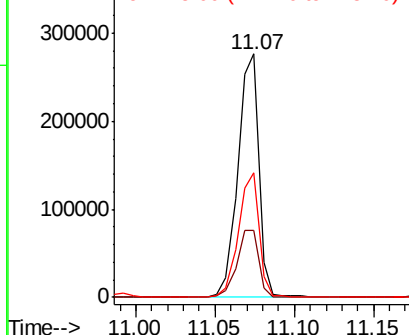
Tot Ion	Ratio	Resp	Lower	Upper
200	100	254144		
173	27.5	8.9	48.9	
215	51.0	30.7	70.7	

Manual Integrations
 APPROVED

mohammad
 5/17/2019 3:04:15 PM

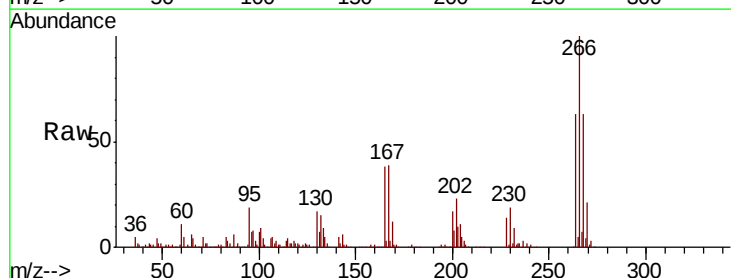


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

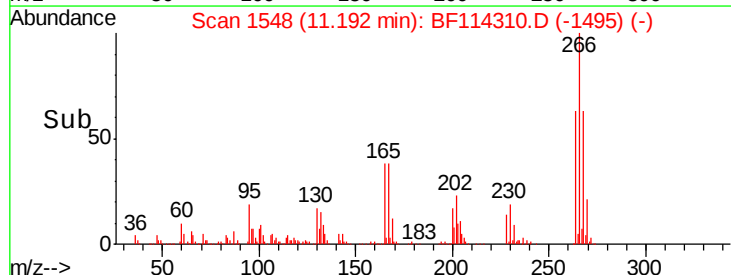
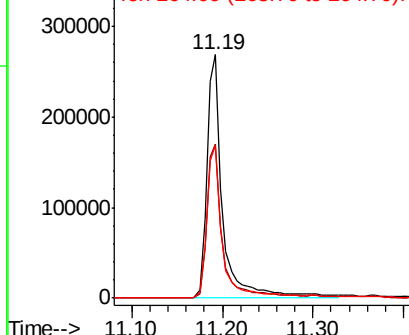


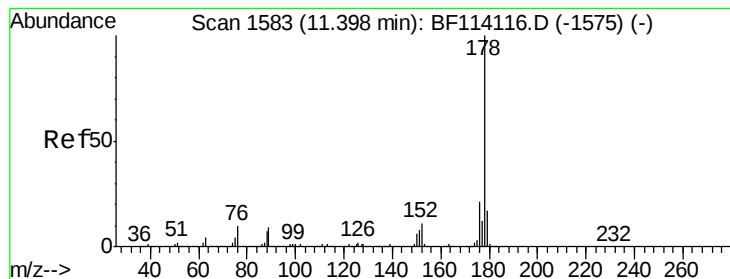
#70
 Pentachlorophenol
 Concen: 70.344 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	333986		
268	63.2	51.1	76.7	
264	62.7	51.1	76.7	



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





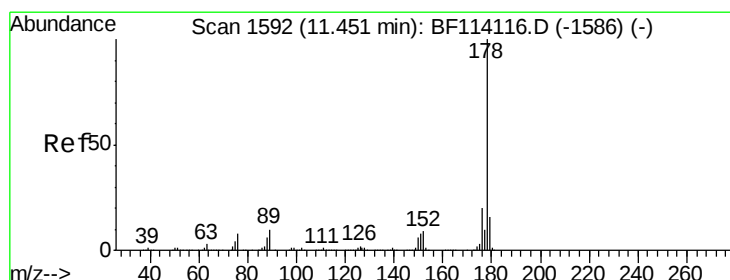
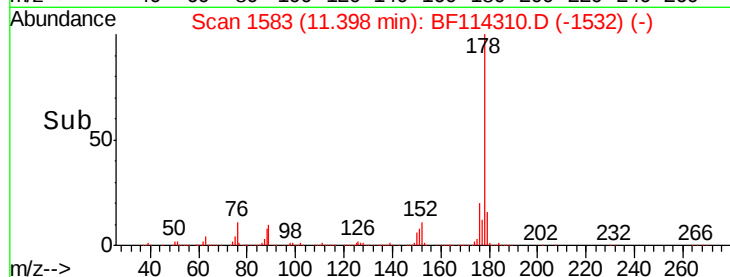
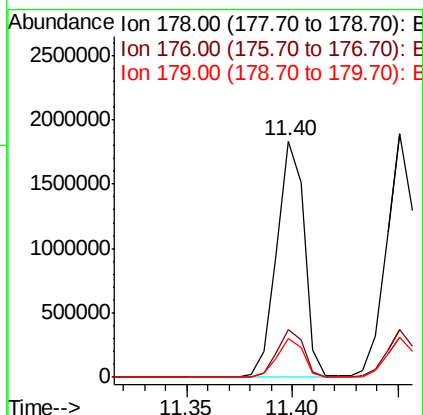
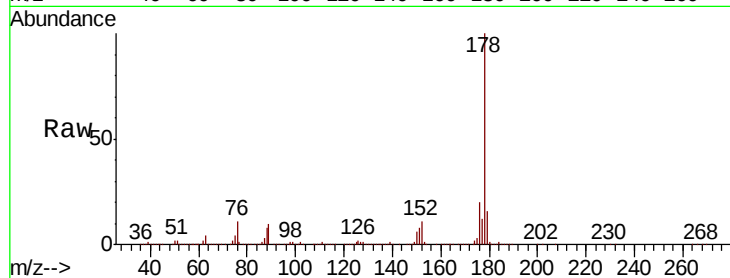
#71
Phenanthrene
Concen: 41.758 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:178 Resp: 1670537
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 16.2 13.2 19.8

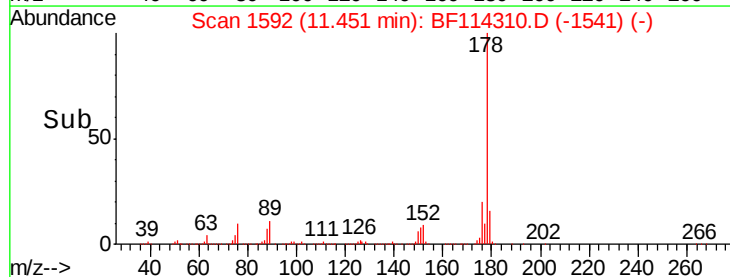
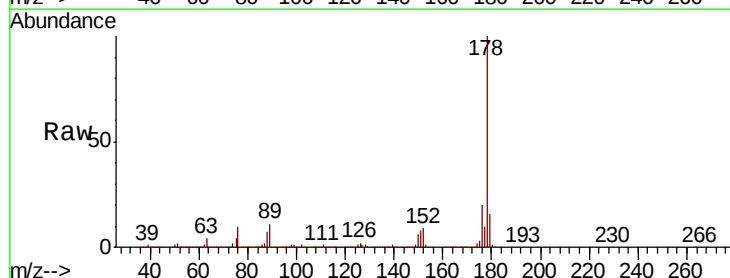
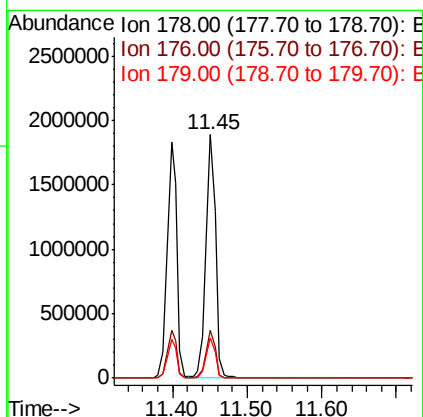
Manual Integrations
APPROVED

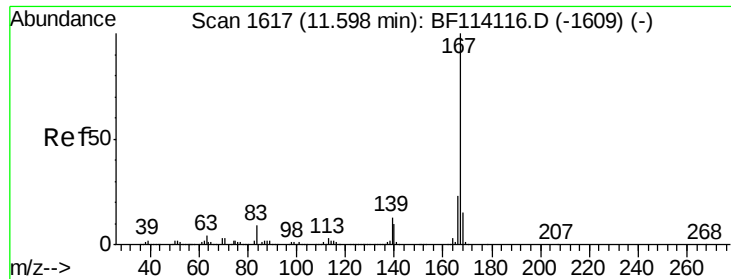
mohammad
5/17/2019 3:04:15 PM



#72
Anthracene
Concen: 43.217 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion:178 Resp: 1736521
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.2 13.0 19.4





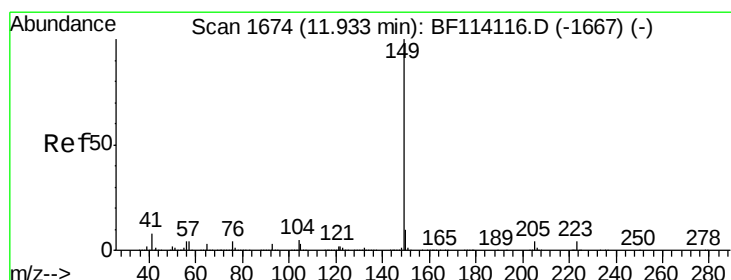
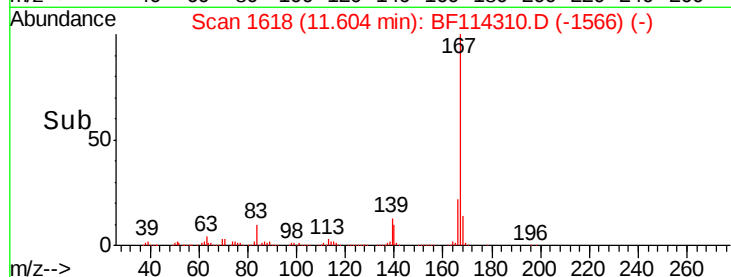
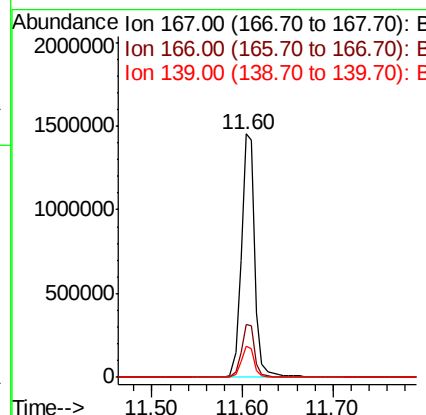
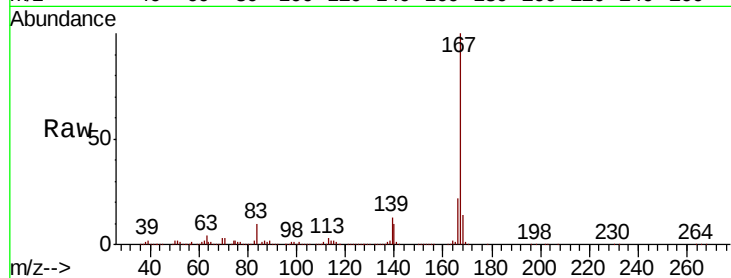
#73
 Carbazole
 Concen: 39.791 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	12.9	10.6	16.0

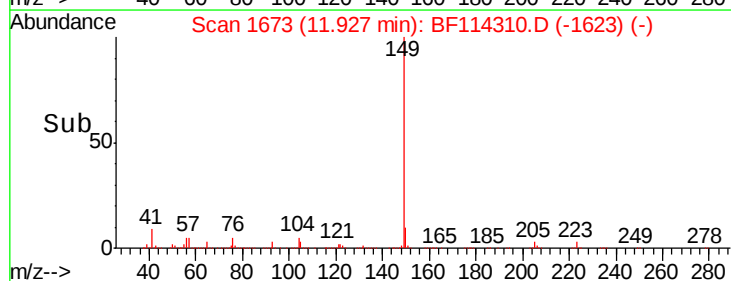
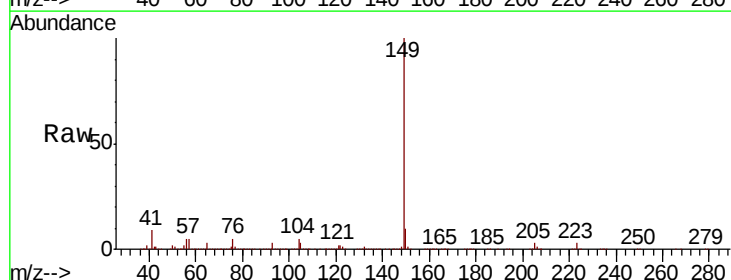
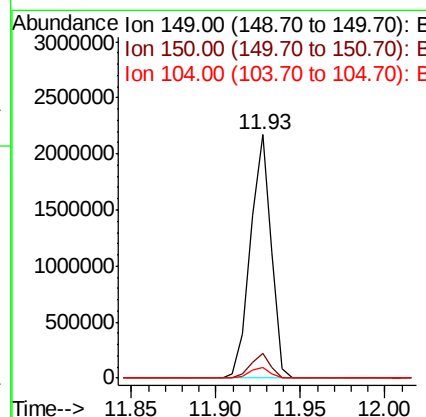
Manual Integrations
 APPROVED

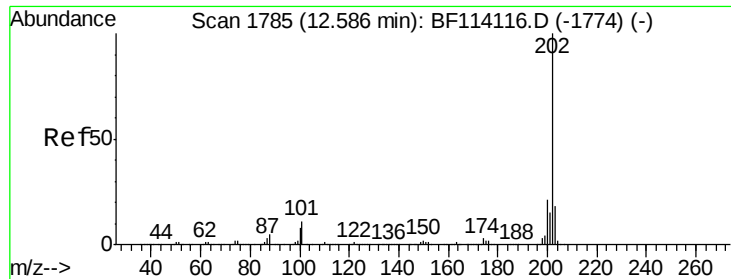
mohammad
 5/17/2019 3:04:15 PM



#74
 Di-n-butylphthalate
 Concen: 42.313 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	4.6	3.6	5.4





#75

Fluoranthene

Concen: 37.483 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

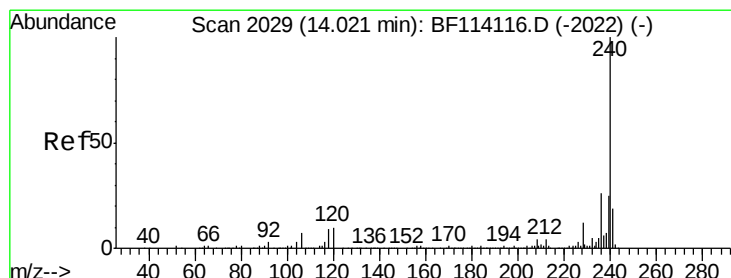
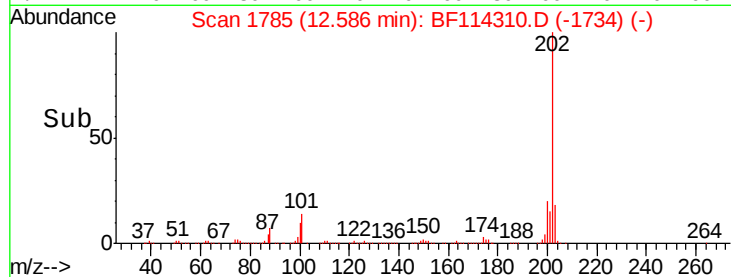
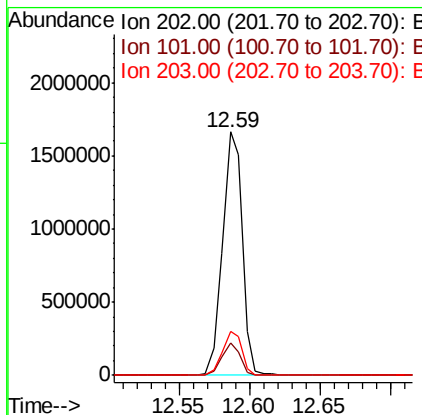
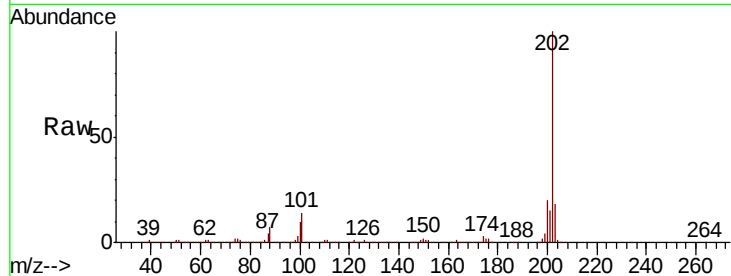
ClientSampleId :

SOIL-COMPMS

Tot Ion:	202	Resp:	1614767
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	31.0
203	18.3	0.0	38.4

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM



#76

Chrysene-d12

Concen: 20.000 ng

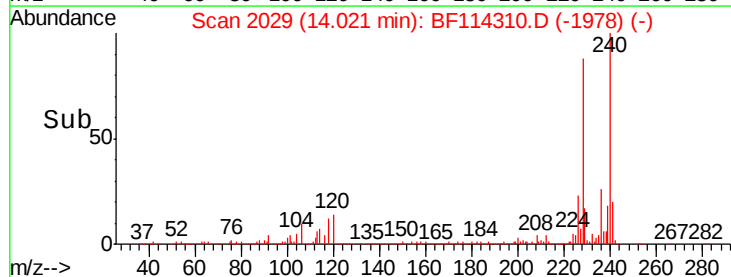
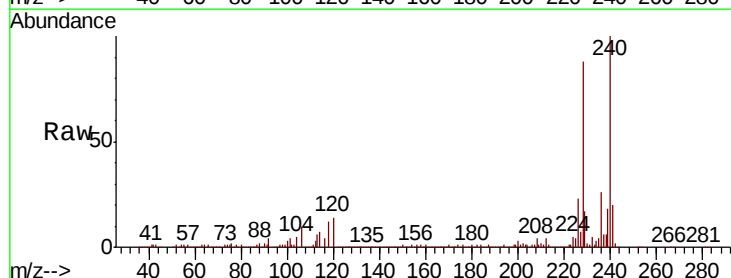
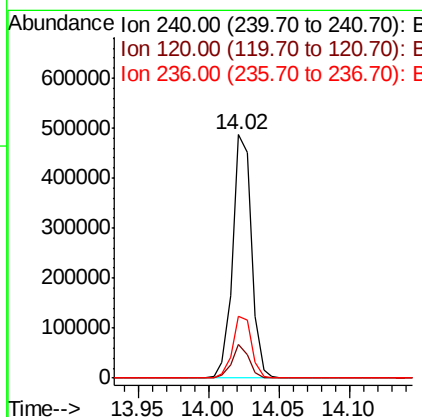
RT: 14.02 min Scan# 2029

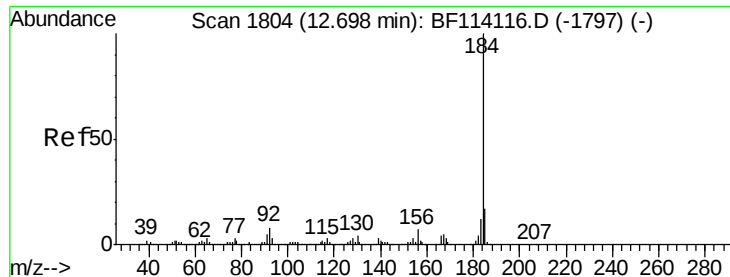
Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Tgt Ion:	240	Resp:	454988
Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.3	12.5#
236	25.6	20.8	31.2





#77

Benzidine

Concen: 0.623 ng/mL

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

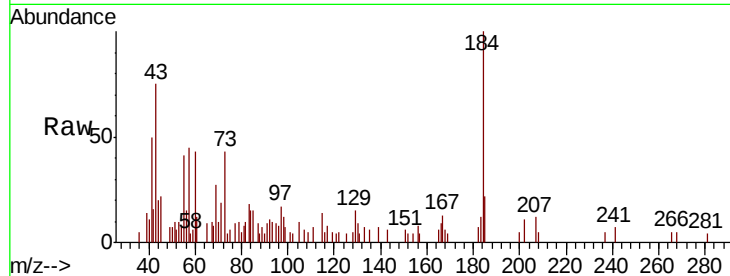
ClientSampleId :

SOIL-COMPMS

Tot Ion:	184	Resp:	12732
Ion Ratio	Lower	Upper	
184	100		
185	22.0	13.6	20.4#
183	11.6	9.2	13.8

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

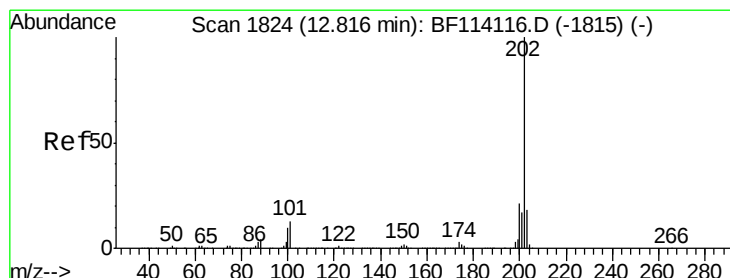
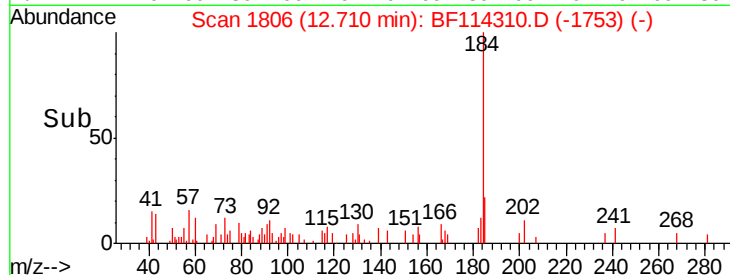
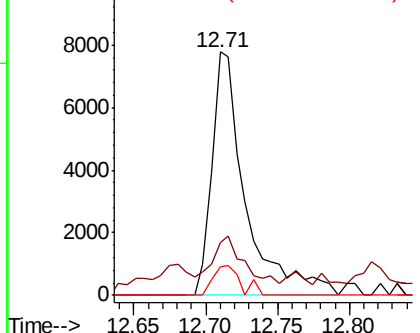


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.958 ng

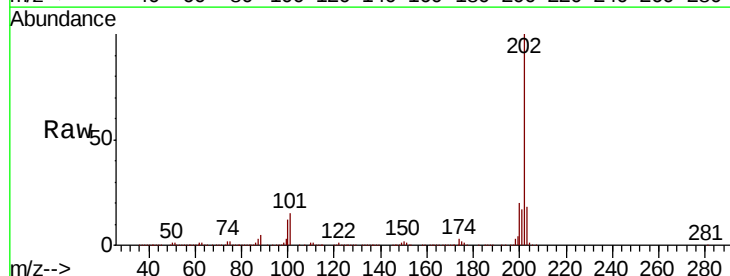
RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Tgt Ion:	202	Resp:	1608947
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	18.3	14.5	21.7

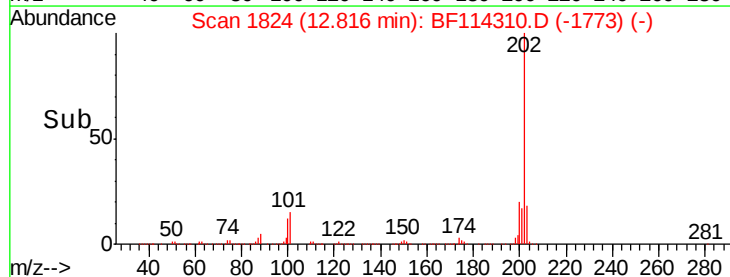
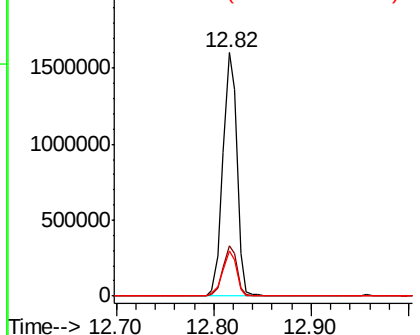


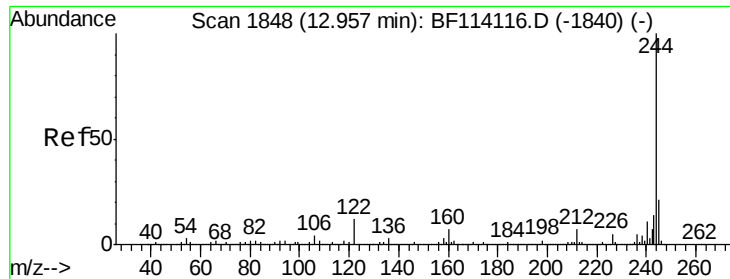
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





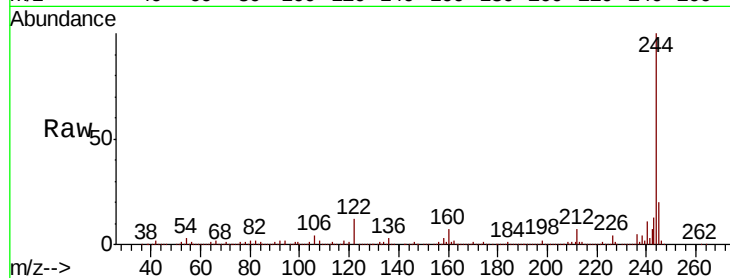
#79
 Terphenyl-d14
 Concen: 84.620 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	12.1	9.4	14.2

Manual Integrations
 APPROVED

mohammad
 5/17/2019 3:04:15 PM

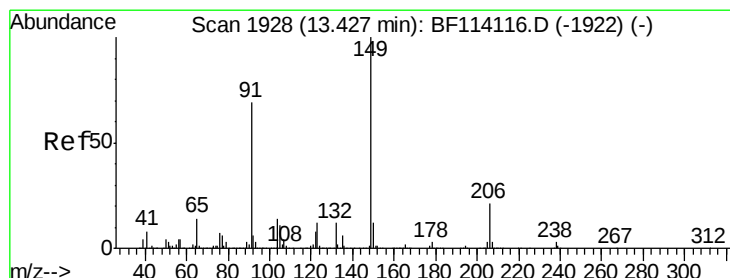
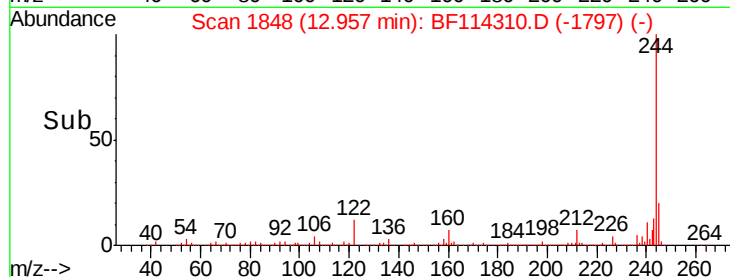
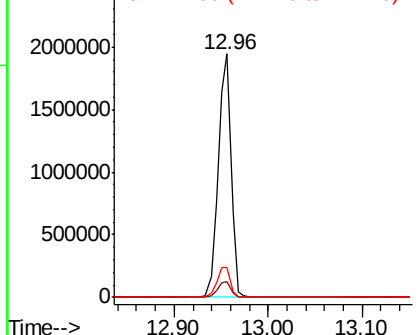


Abundance

Ion 244.00 (243.70 to 244.70): E

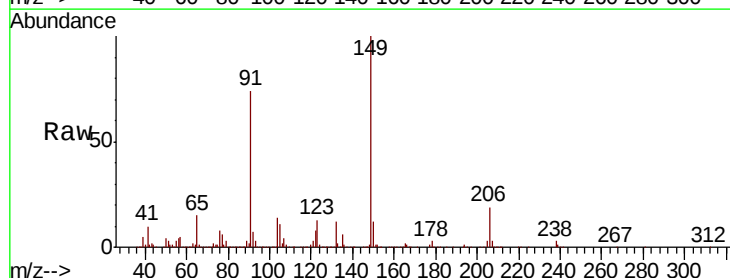
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80
 Butylbenzylphthalate
 Concen: 43.118 ng
 RT: 13.42 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.7	55.0	82.4
206	19.3	16.9	25.3

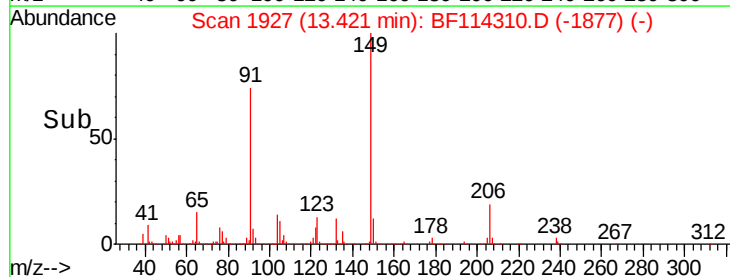
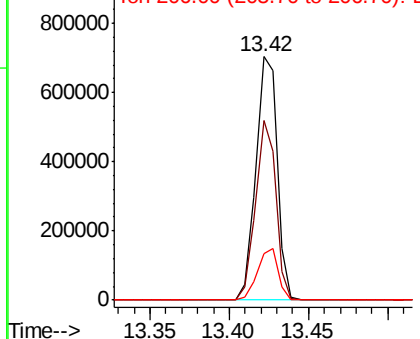


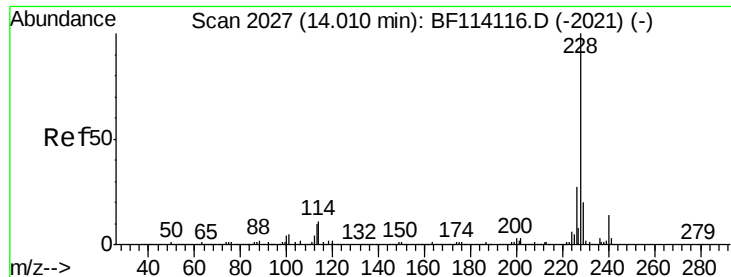
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.678 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

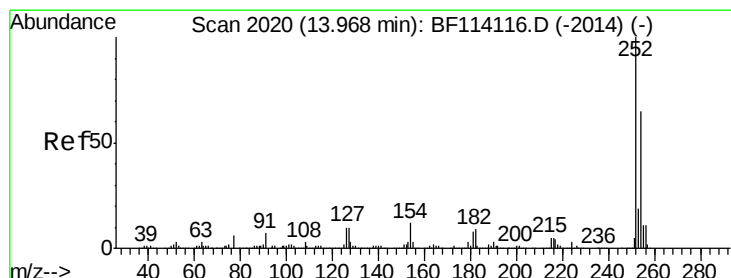
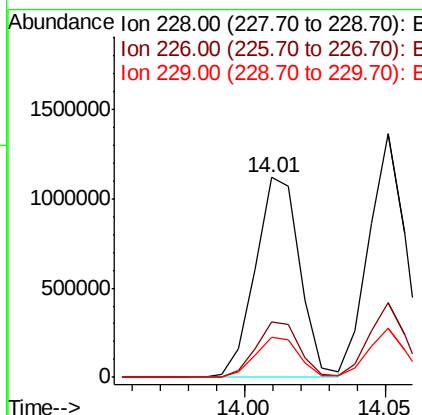
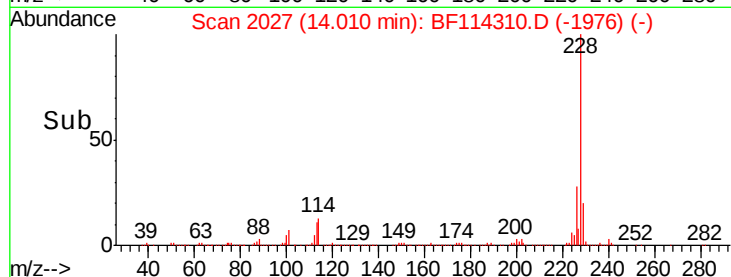
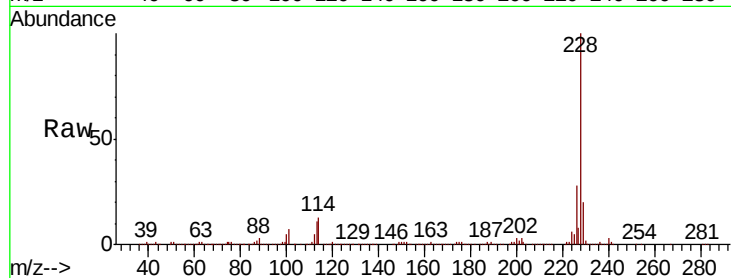
ClientSampleId :

SOIL-COMPMS

Tot Ion:	228	Resp:	1226524
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	19.8	16.4	24.6

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM



#82

3,3'-Dichlorobenzidine

Concen: 14.174 ng

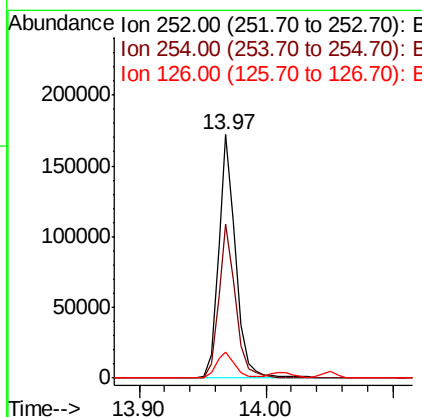
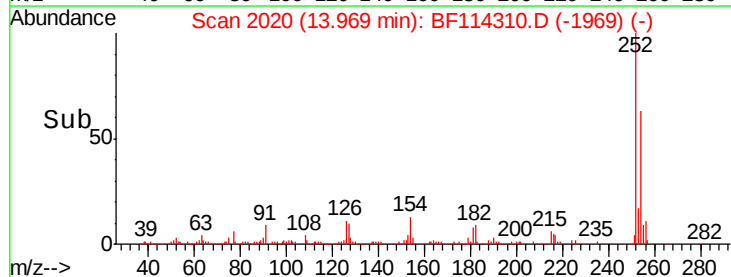
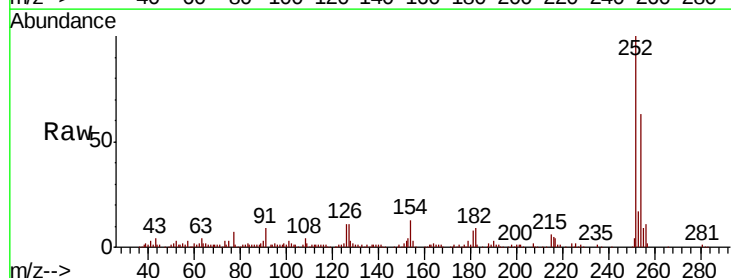
RT: 13.97 min Scan# 2020

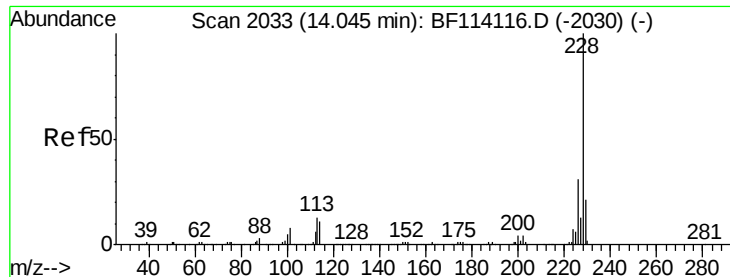
Delta R.T. 0.00 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Tgt Ion:	252	Resp:	161816
Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.9	77.9
126	10.9	7.9	11.9





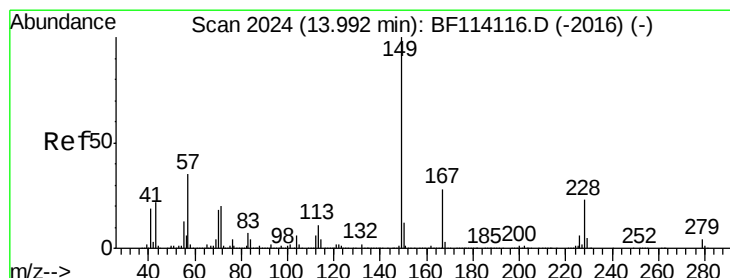
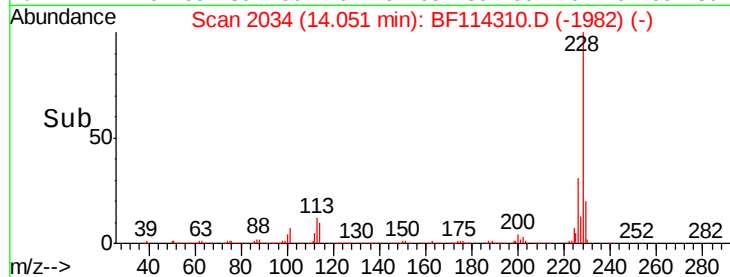
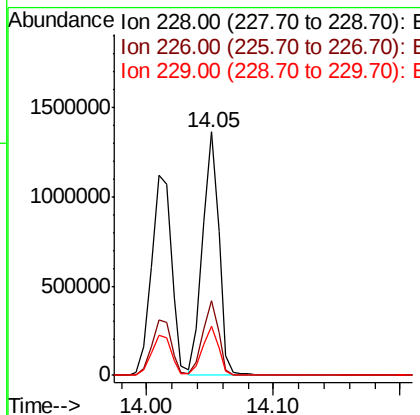
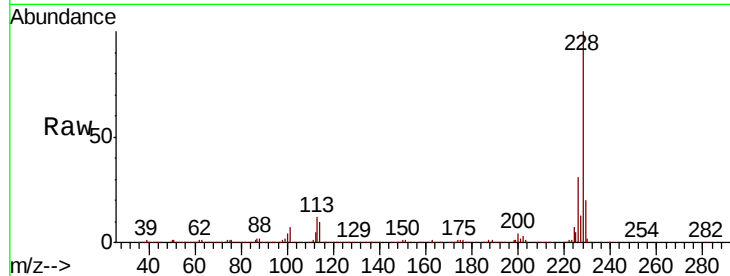
#83
 Chrvsene
 Concen: 42.152 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion:228 Resp: 1216006
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 20.4 17.0 25.6

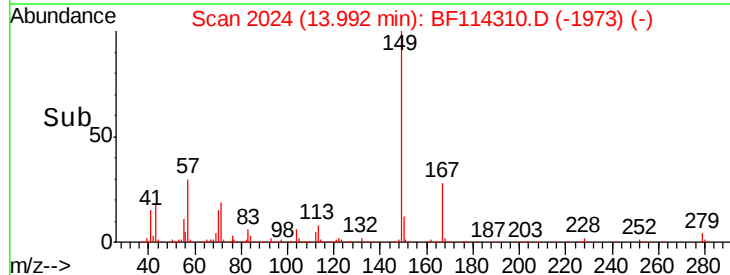
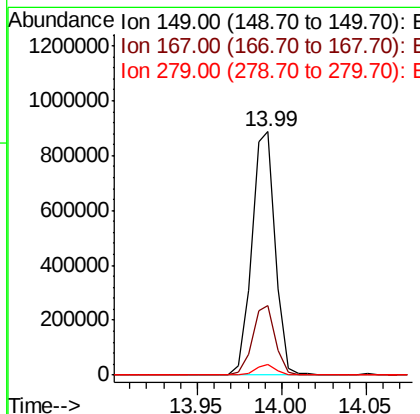
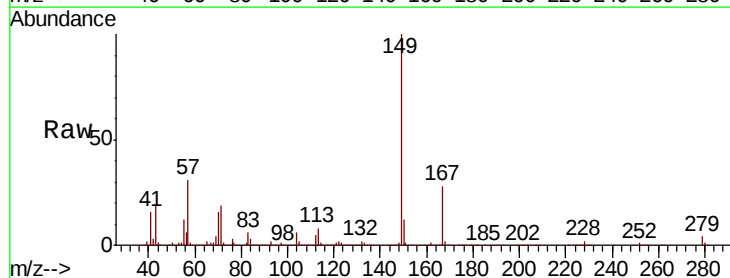
Manual Integrations
 APPROVED

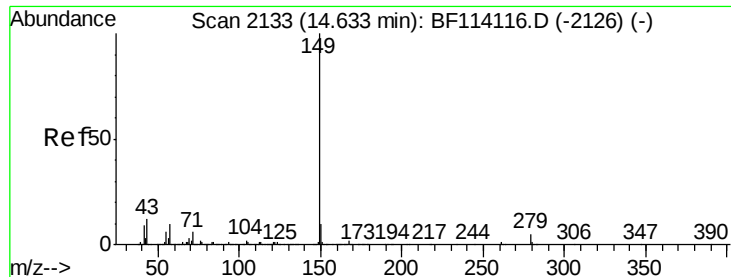
mohammad
 5/17/2019 3:04:15 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.642 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF114310.D
 Acq: 16 May 2019 15:48

Tgt Ion:149 Resp: 859199
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.6 33.8
 279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 42.784 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:149 Resp: 1397456

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

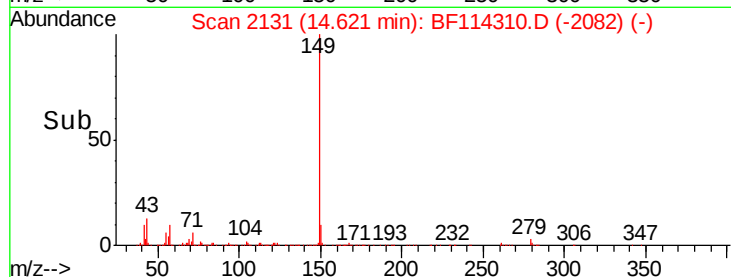
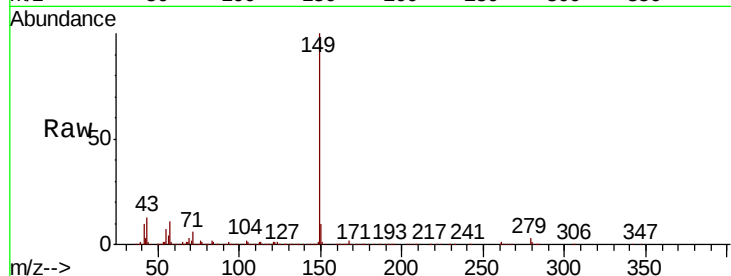
43 12.0 10.1 15.1

Manual Integrations

APPROVED

mohammad

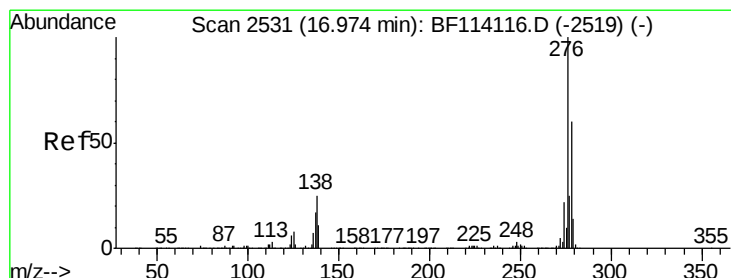
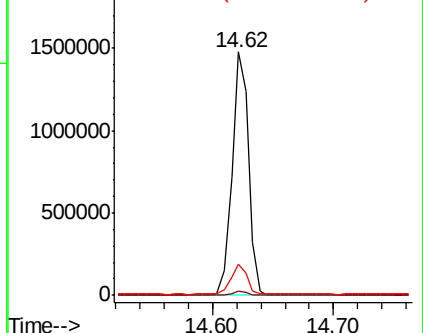
5/17/2019 3:04:15 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 67.027 ng

RT: 17.02 min Scan# 2538

Delta R.T. 0.04 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

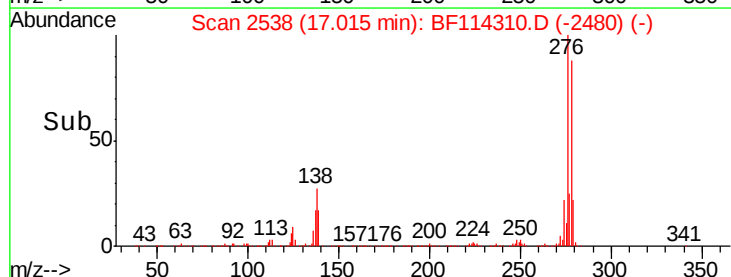
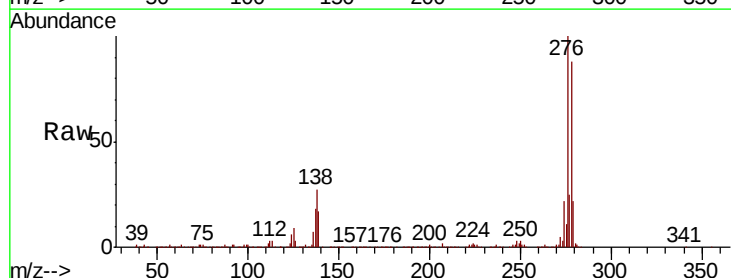
Tgt Ion:276 Resp: 1708893

Ion Ratio Lower Upper

276 100

138 26.6 20.2 30.2

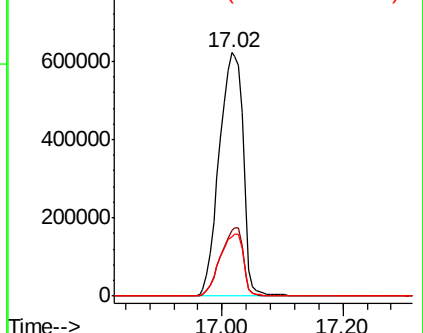
277 25.2 20.0 30.0

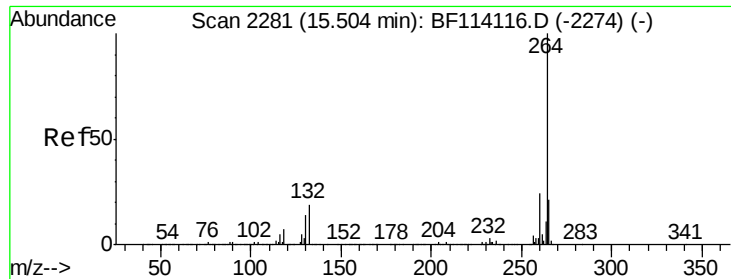


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





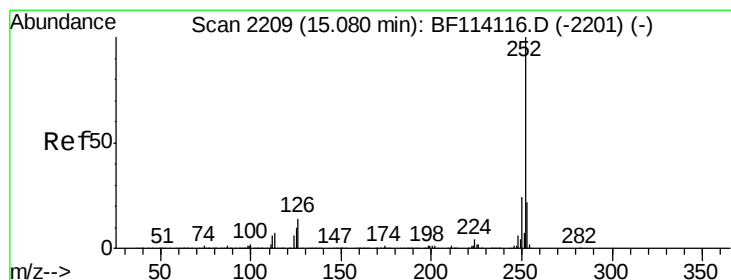
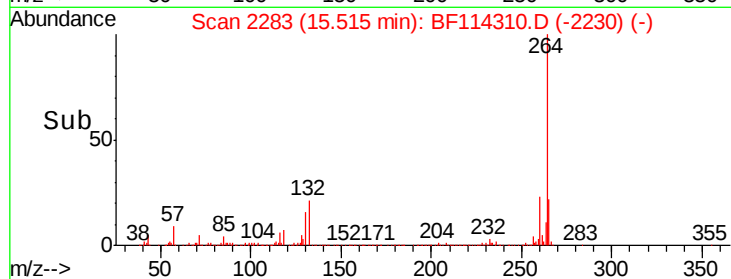
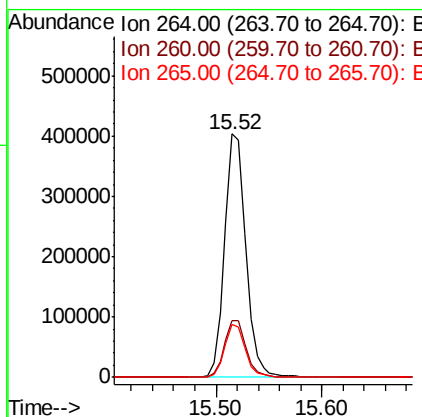
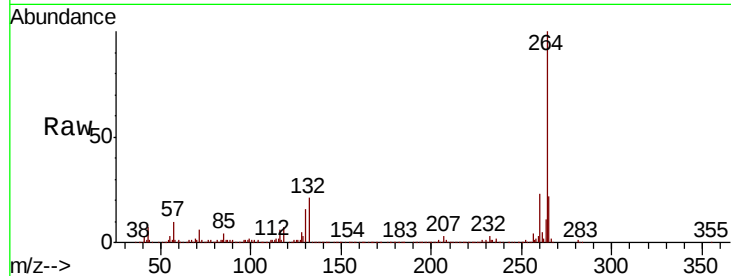
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.7	16.9	25.3

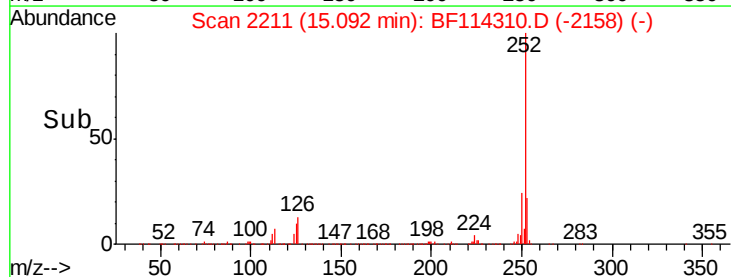
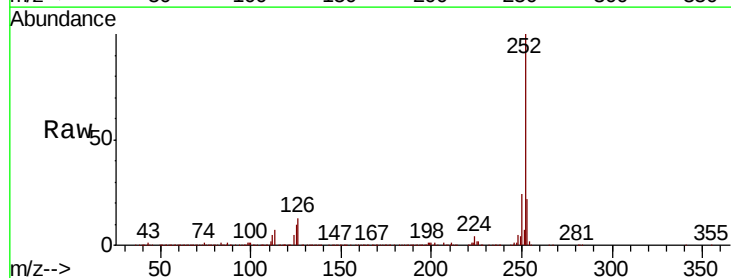
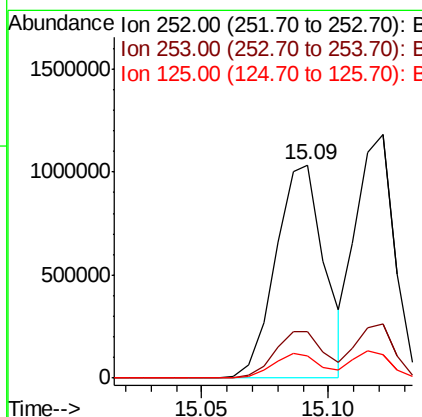
Manual Integrations
APPROVED

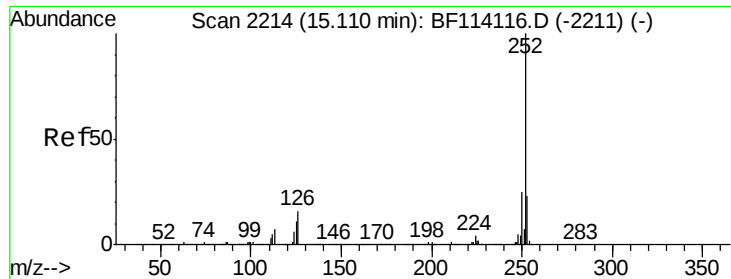
mohammad
5/17/2019 3:04:15 PM



#88
Benzo(b)fluoranthene
Concen: 38.419 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.1	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 37.856 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:252 Resp: 1258420

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

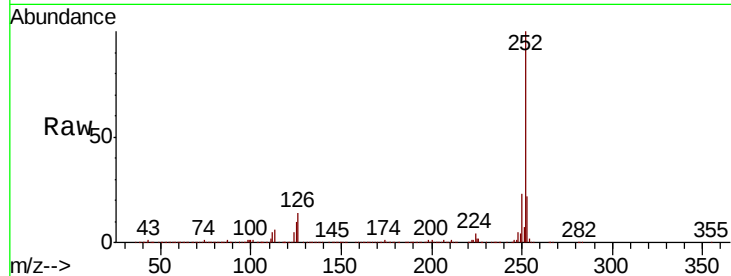
125 9.8 8.6 13.0

Manual Integrations

APPROVED

mohammad

5/17/2019 3:04:15 PM

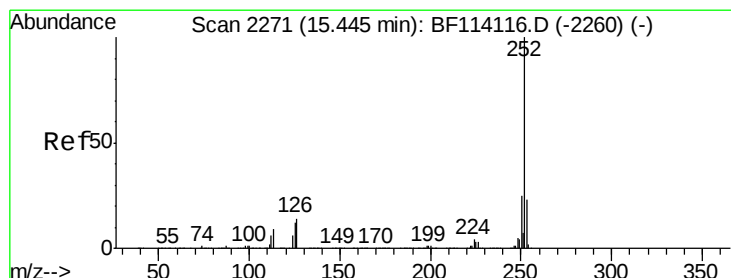
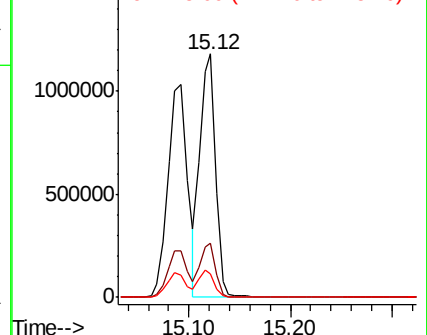
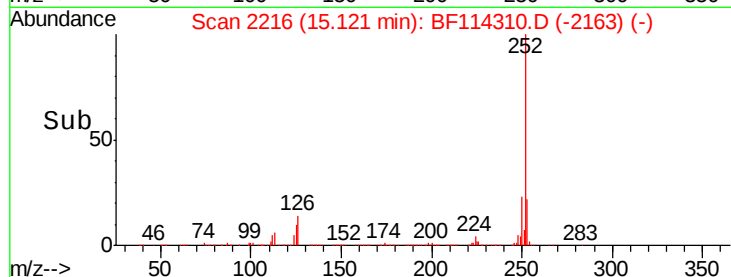


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 42.270 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF114310.D

Acq: 16 May 2019 15:48

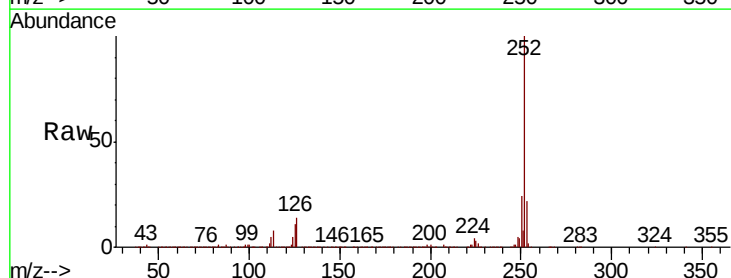
Tgt Ion:252 Resp: 1346228

Ion Ratio Lower Upper

252 100

253 21.9 18.1 27.1

125 10.8 9.5 14.3

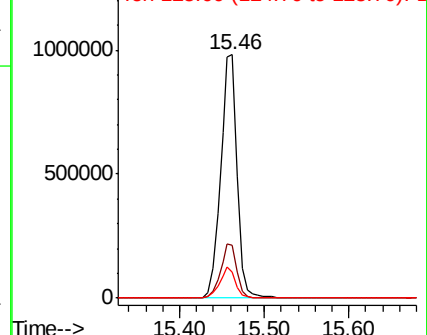
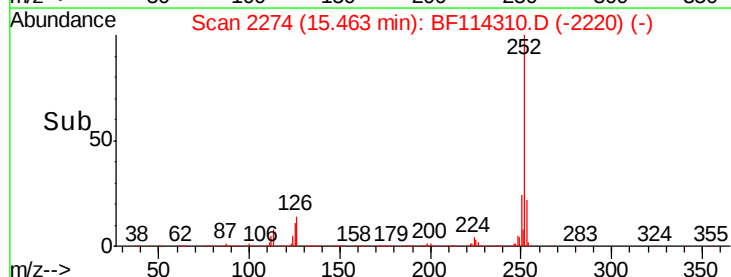


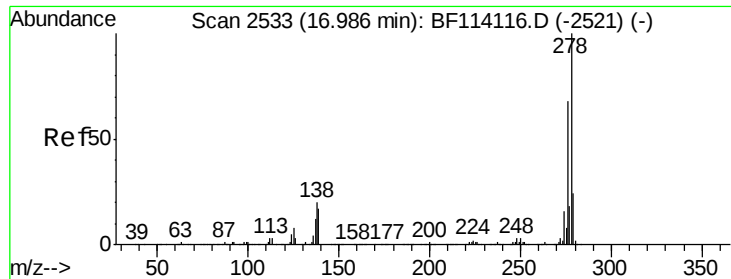
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





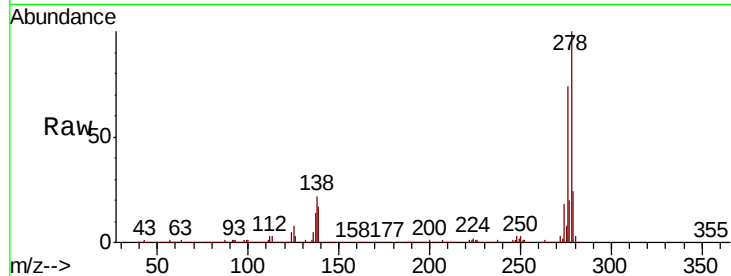
#91
Dibenzo(a,h)anthracene
Concen: 53.110 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.04 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

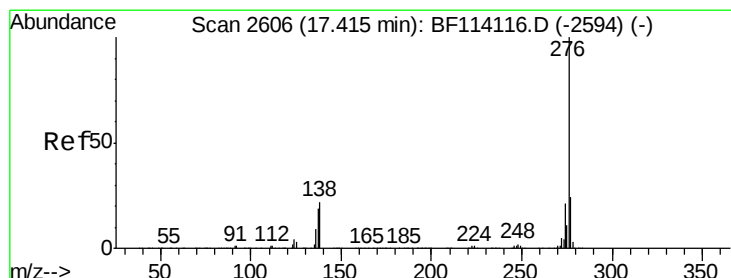
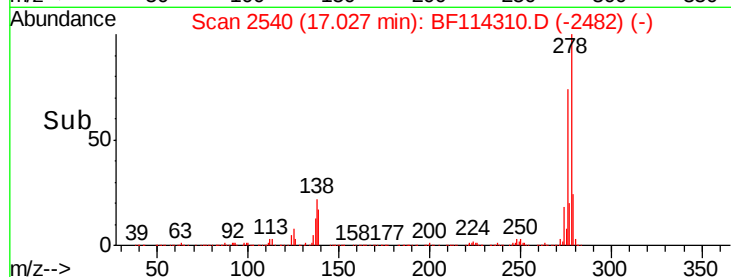
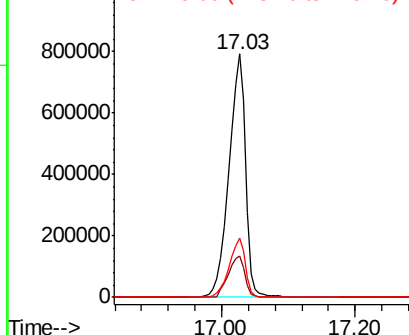
Tot Ion:278 Resp: 1405520
Ion Ratio Lower Upper
278 100
139 16.9 13.5 20.3
279 24.2 19.0 28.6

Manual Integrations
APPROVED

mohammad
5/17/2019 3:04:15 PM

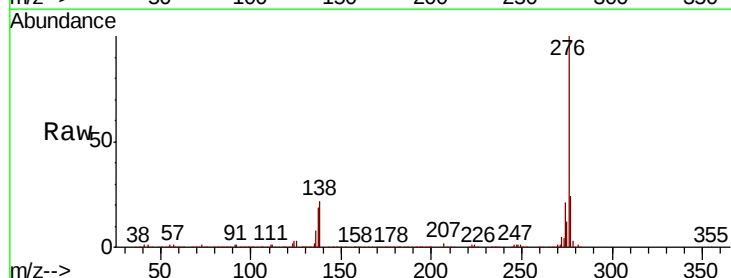


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 57.877 ng
RT: 17.47 min Scan# 2615
Delta R.T. 0.05 min
Lab File: BF114310.D
Acq: 16 May 2019 15:48

Tgt Ion:276 Resp: 1534988
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 21.9 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

