

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114286.D
 Acq On : 15 May 2019 15:41
 Operator : JU/SJ
 Sample : K2837-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:00 AM

Quant Time: May 16 07:47:13 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	225277	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	869667	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	406919	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	815356	20.00	ng	0.00
76) Chrysene-d12	14.02	240	566622	20.00	ng	0.00
87) Perylene-d12	15.50	264	545083	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1436391	102.61	ng	0.00
7) Phenol-d6	6.50	99	1894388	114.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	1188966	76.72	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	454400	108.01	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1762218	65.51	ng	0.00
79) Terphenyl-d14	12.95	244	1747200	63.57	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.64	88	231943	30.144	ng	98
3) Pyridine	3.40	79	603370	28.461	ng	98
4) n-Nitrosodimethylamine	3.35	42	334141	32.684	ng	92
6) Aniline	6.52	93	467775	19.559	ng	# 15
8) 2-Chlorophenol	6.65	128	588472	39.377	ng	92
9) Benzaldehyde	6.40	77	250381	21.601	ng	100
10) Phenol	6.51	94	719549	36.944	ng	89
11) bis(2-Chloroethyl)ether	6.58	93	586402	39.658	ng	99
12) 1,3-Dichlorobenzene	6.79	146	592150	35.299	ng	99
13) 1,4-Dichlorobenzene	6.87	146	598285	35.393	ng	96
14) 1,2-Dichlorobenzene	7.02	146	563107	36.462	ng	99
15) Benzyl Alcohol	6.99	79	501215	38.814	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	1050870	36.653	ng	69
17) 2-Methylphenol	7.12	107	471241	38.386	ng	# 91
18) Hexachloroethane	7.36	117	224551	35.389	ng	95
19) n-Nitroso-di-n-propylamine	7.26	70	402882	38.390	ng	98
20) 3+4-Methylphenols	7.27	107	599526	42.269	ng	# 59
22) Acetophenone	7.26	105	781508	40.564	ng	91
24) Nitrobenzene	7.43	77	629006	39.853	ng	95
25) Isophorone	7.67	82	1140436	39.681	ng	98
26) 2-Nitrophenol	7.75	139	324457	42.371	ng	95
27) 2,4-Dimethylphenol	7.79	122	509878	42.395	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	732057	39.257	ng	99
29) 2,4-Dichlorophenol	8.00	162	475653	39.718	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	502057	36.867	ng	98
31) Naphthalene	8.15	128	1606125	39.537	ng	99
32) Benzoic acid	7.87	122	27243m	9.733	ng	
33) 4-Chloroaniline	8.20	127	218324	11.794	ng	97
34) Hexachlorobutadiene	8.27	225	272871	35.216	ng	98
35) Caprolactam	8.56	113	174069m	44.576	ng	
36) 4-Chloro-3-methylphenol	8.70	107	514362	42.669	ng	99
37) 2-Methylnaphthalene	8.85	142	1084967	41.395	ng	97
38) 1-Methylnaphthalene	8.95	142	1023859	41.481	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	481266	39.043	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114286.D
 Acq On : 15 May 2019 15:41
 Operator : JU/SJ
 Sample : K2837-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

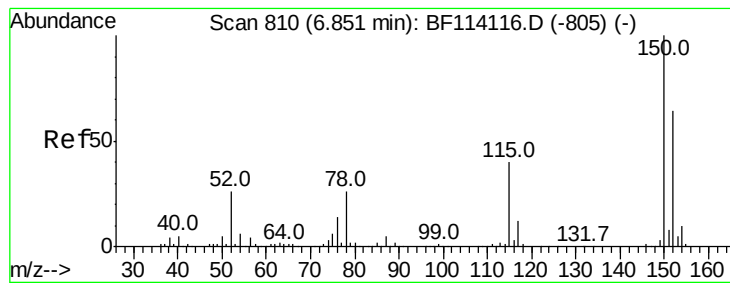
Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:00 AM

Quant Time: May 16 07:47:13 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	285391	51.334	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	328832	38.784	ng	100
44) 2,4,5-Trichlorophenol	9.17	196	350106	40.265	ng	97
46) 1,1'-Biphenyl	9.30	154	1295864	39.420	ng	97
47) 2-Chloronaphthalene	9.33	162	996106	37.651	ng	98
48) 2-Nitroaniline	9.43	65	364923	38.893	ng	96
49) Acenaphthylene	9.75	152	1601678	39.805	ng	99
50) Dimethylphthalate	9.60	163	1463527	48.994	ng	100
51) 2,6-Dinitrotoluene	9.67	165	270807	40.873	ng	86
52) Acenaphthene	9.92	154	920327	37.272	ng	99
53) 3-Nitroaniline	9.84	138	199717	24.283	ng	95
54) 2,4-Dinitrophenol	9.96	184	86243	30.449	ng	95
55) Dibenzofuran	10.09	168	1388496	38.349	ng	98
56) 4-Nitrophenol	10.02	139	390315	67.107	ng	99
57) 2,4-Dinitrotoluene	10.08	165	350027	38.923	ng	93
58) Fluorene	10.43	166	1095811	39.182	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	290010	38.655	ng	98
60) Diethylphthalate	10.30	149	1161684	38.274	ng	99
61) 4-Chlorophenyl-phenylether	10.42	204	518556	37.752	ng	97
62) 4-Nitroaniline	10.46	138	321074	37.151	ng	98
63) Azobenzene	10.59	77	1149046	39.112	ng	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	148935	38.014	ng	78
66) n-Nitrosodiphenylamine	10.55	169	984957	39.802	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	332364	37.022	ng	97
68) Hexachlorobenzene	10.99	284	364245	36.676	ng	# 91
69) Atrazine	11.07	200	299796	38.930	ng	98
70) Pentachlorophenol	11.19	266	304560	64.691	ng	99
71) Phenanthrene	11.40	178	1564058	39.429	ng	99
72) Anthracene	11.45	178	1634801	41.031	ng	99
73) Carbazole	11.60	167	1578919	41.557	ng	99
74) Di-n-butylphthalate	11.93	149	1814305	41.449	ng	100
75) Fluoranthene	12.59	202	1726492	40.417	ng	98
77) Benzidine	12.70	184	619887	24.372	ng	96
78) Pyrene	12.82	202	1748081	38.350	ng	99
80) Butylbenzylphthalate	13.42	149	806552	42.039	ng	97
81) Benzo(a)anthracene	14.01	228	1426202	38.915	ng	100
82) 3,3'-Dichlorobenzidine	13.96	252	383036	26.942	ng	# 98
83) Chrysene	14.04	228	1394379	38.812	ng	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1087183	43.327	ng	100
85) Di-n-octyl phthalate	14.61	149	1718900	42.258	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	1359118	42.806	ng	98
88) Benzo(b)fluoranthene	15.07	252	1298740	37.191	ng	99
89) Benzo(k)fluoranthene	15.10	252	1285907	40.086	ng	99
90) Benzo(a)pyrene	15.44	252	1255346	40.846	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	1128995	44.208	ng	100
92) Benzo(g,h,i)perylene	17.44	276	1191901	46.571	ng	100

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



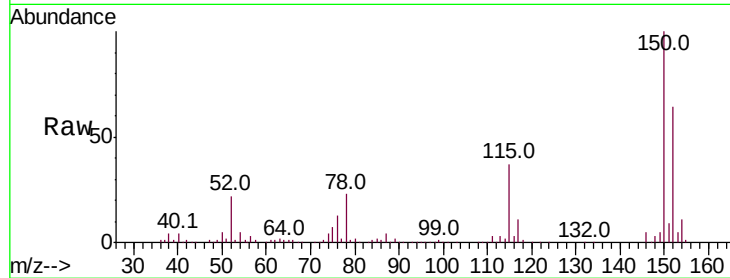
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.3	186.5
115	57.2	49.1	73.7

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:00 AM

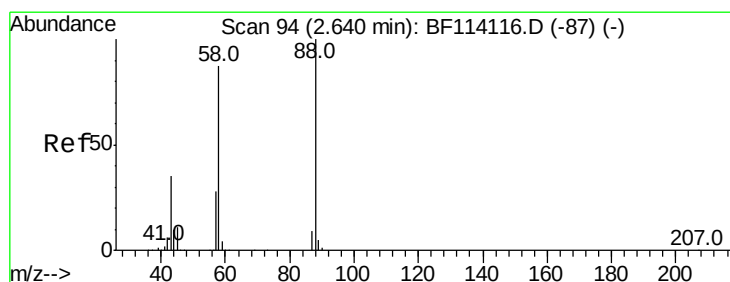
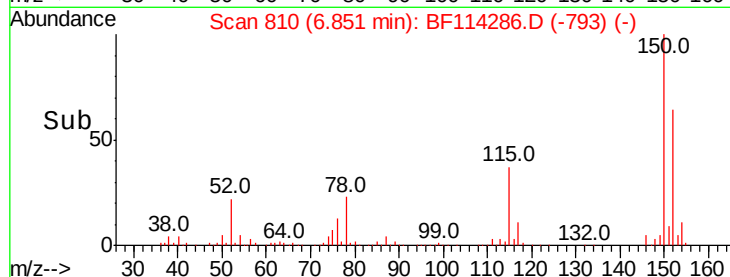
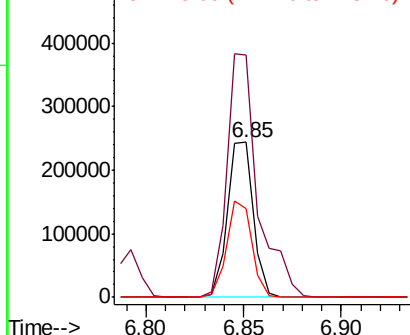


Abundance

Ion 152.00 (151.70 to 152.70): E

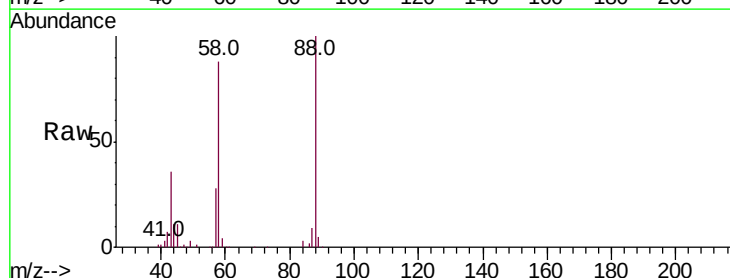
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 30.144 ng
 RT: 2.64 min Scan# 94
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.9	68.7	103.1
43	33.4	28.2	42.2

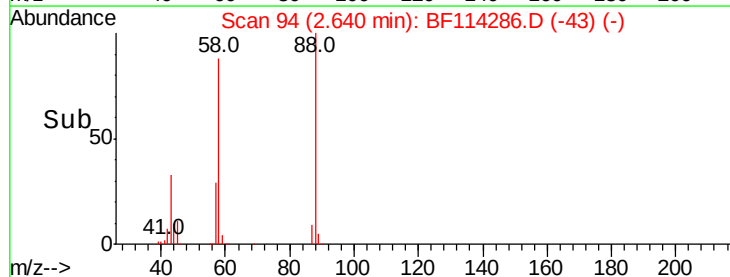
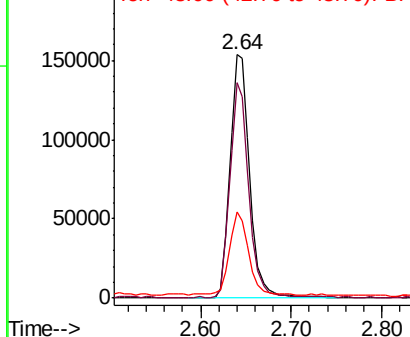


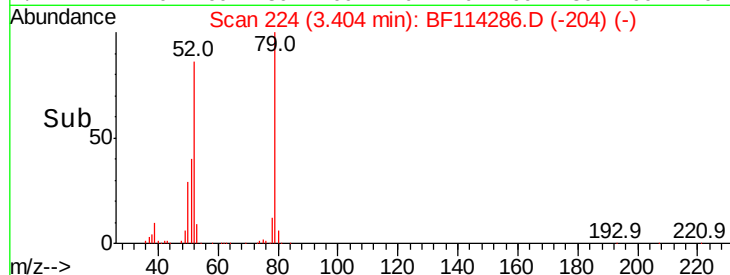
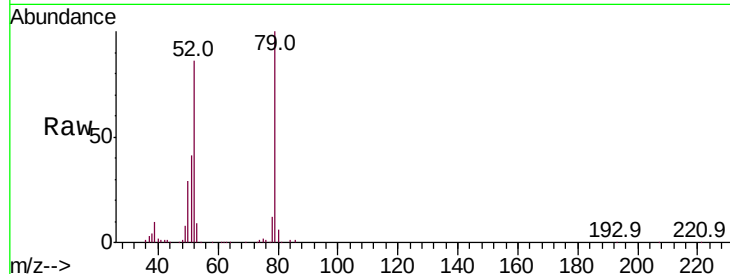
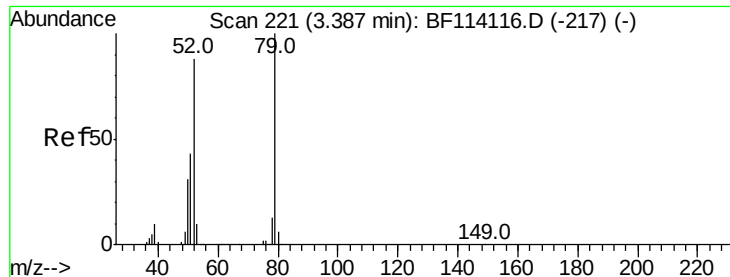
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 28.461 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.02 min

Lab File: BF114286.D

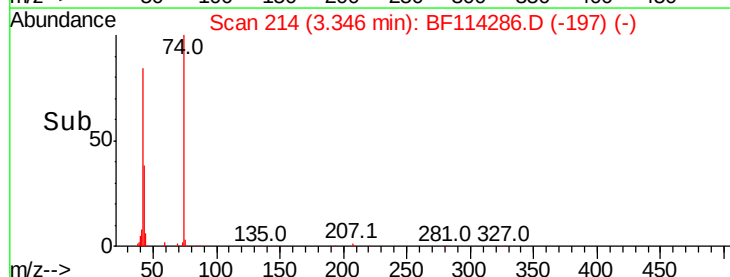
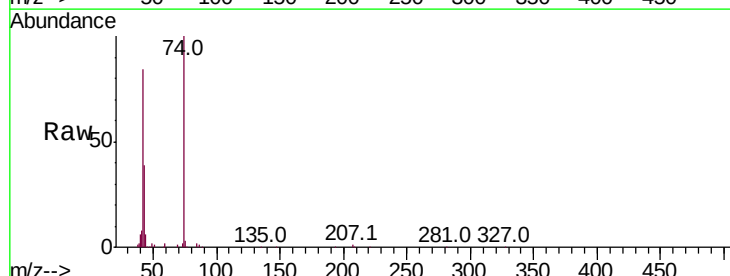
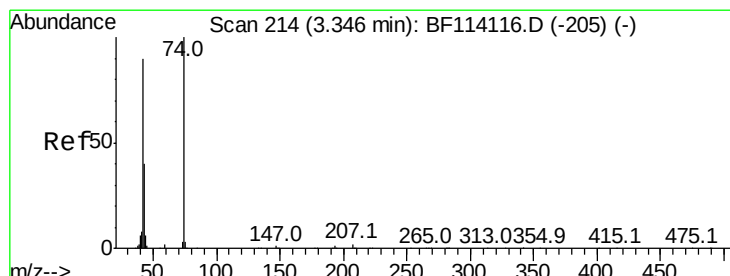
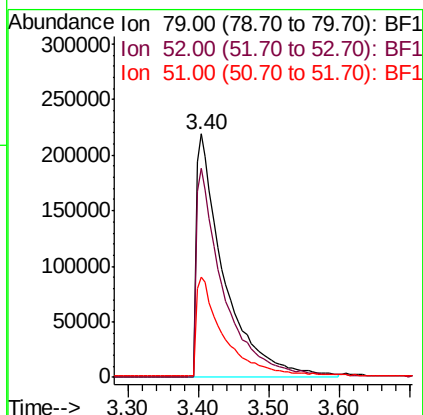
Acq: 15 May 2019 15:41

Tot Ion:	79	Resp:	603370
Ion Ratio	Lower	Upper	
79	100		
52	86.0	70.6	105.8
51	41.0	34.2	51.2

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



#4

n-Nitrosodimethylamine

Concen: 32.684 ng

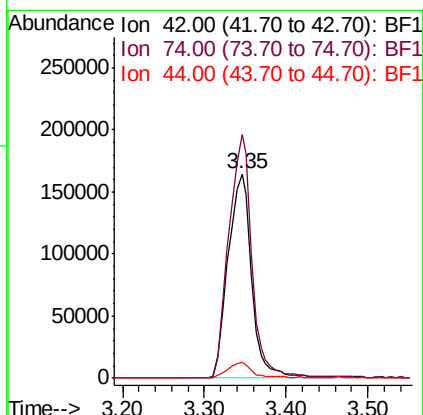
RT: 3.35 min Scan# 214

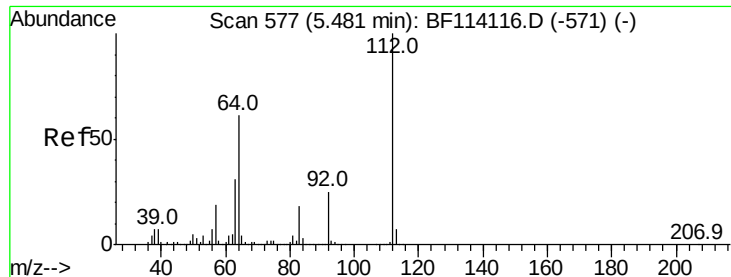
Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Tgt Ion:	42	Resp:	334141
Ion Ratio	Lower	Upper	
42	100		
74	119.1	88.6	132.8
44	7.4	5.5	8.3





#5

2-Fluorophenol

Concen: 102.608 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

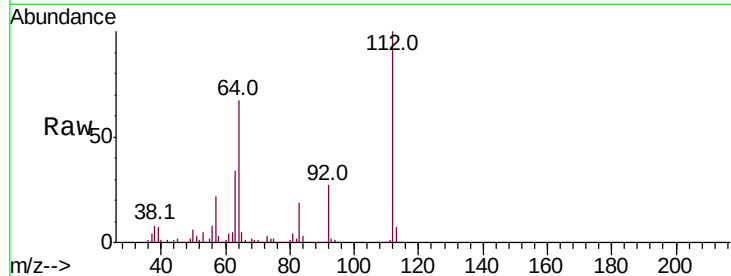
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	112	Resp:	1436391
Ion	Ratio	Lower	Upper
112	100		
64	66.7	49.0	73.6
63	33.8	24.6	37.0

Manual Integrations
APPROVED

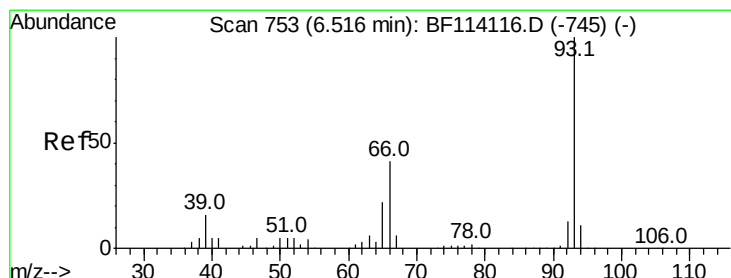
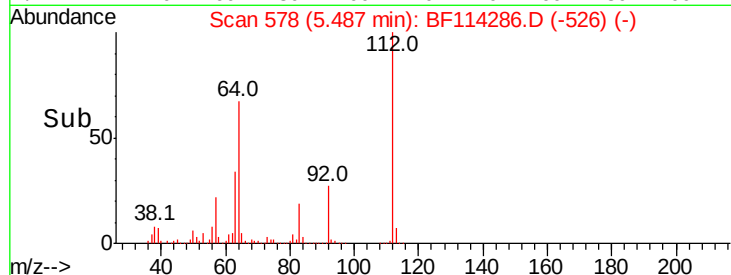
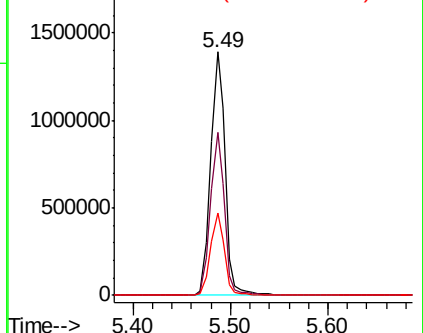
mohammad
5/16/2019 9:51:00 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 19.559 ng

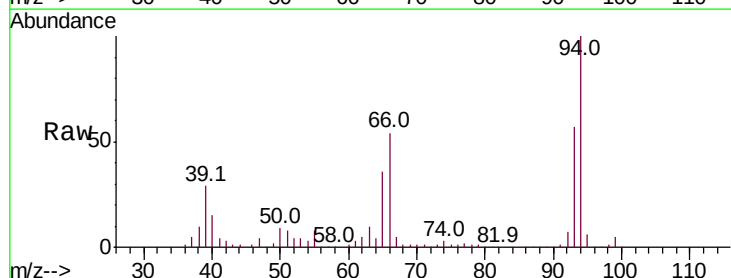
RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

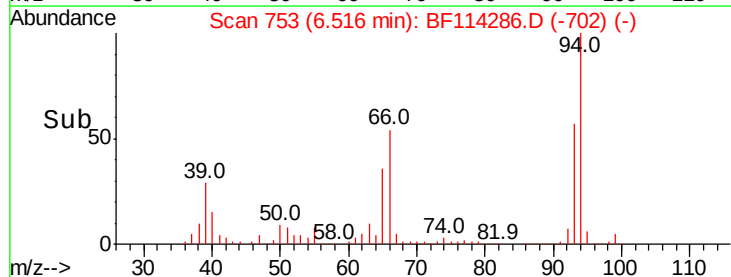
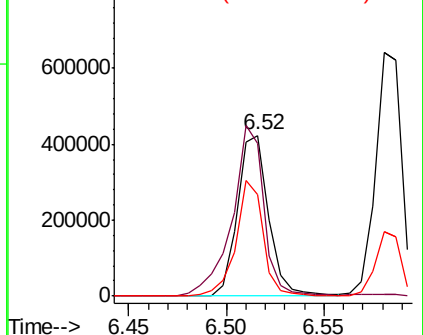
Tgt Ion:	93	Resp:	467775
Ion	Ratio	Lower	Upper
93	100		
66	94.8	33.2	49.8#
65	63.2	17.6	26.4#

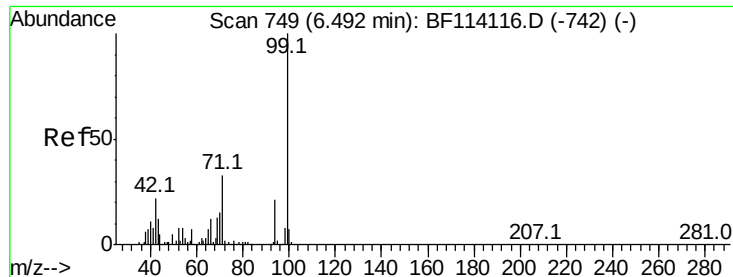


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.417 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 99 Resp: 1894388

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

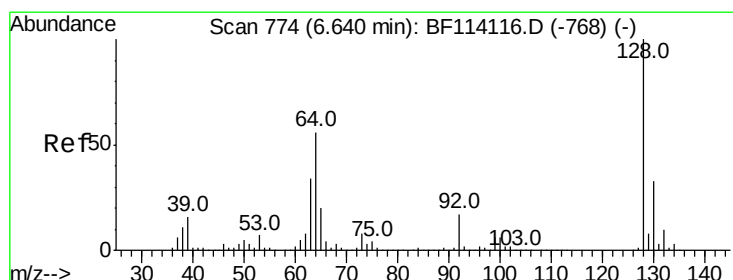
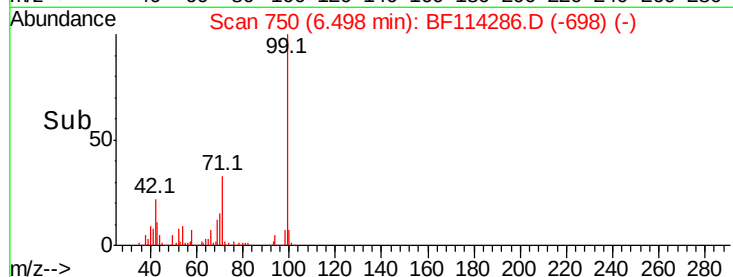
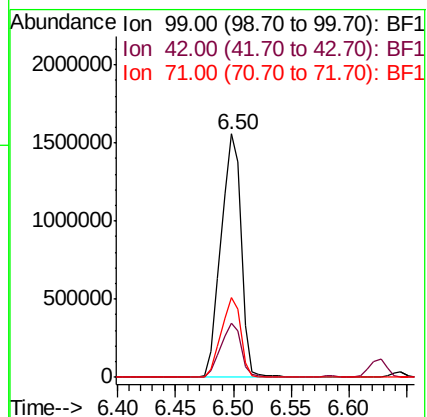
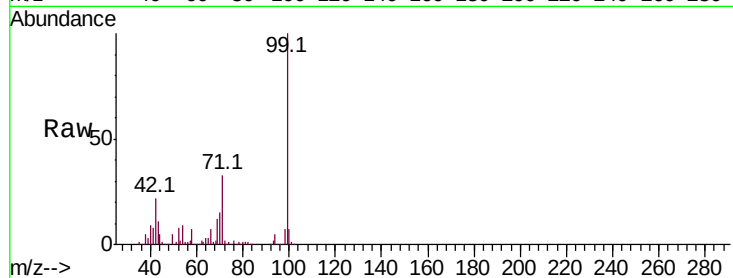
71 32.7 26.2 39.2

Manual Integrations

APPROVED

mohammad

5/16/2019 9:51:00 AM



#8

2-Chlorophenol

Concen: 39.377 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

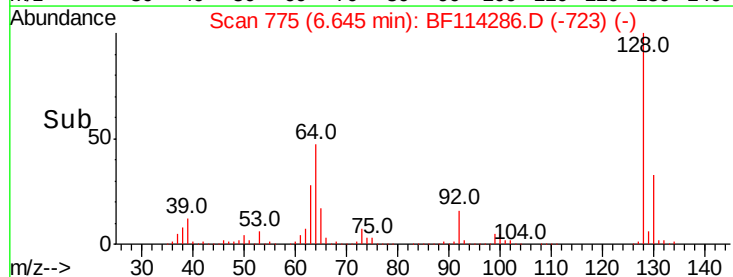
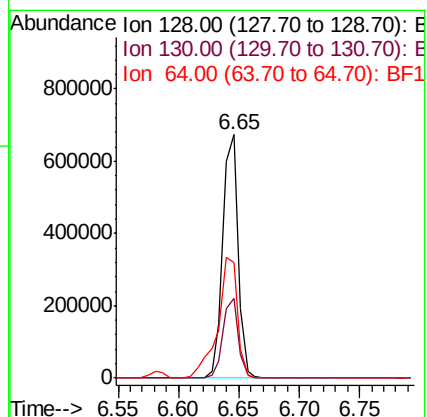
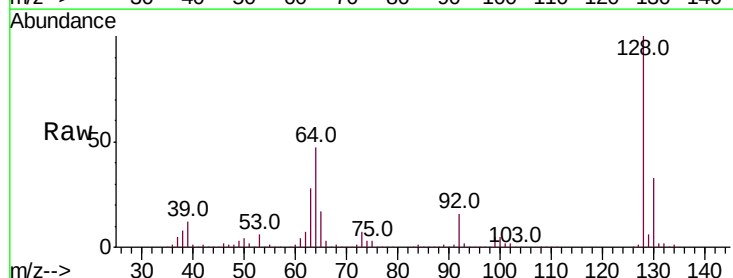
Tgt Ion: 128 Resp: 588472

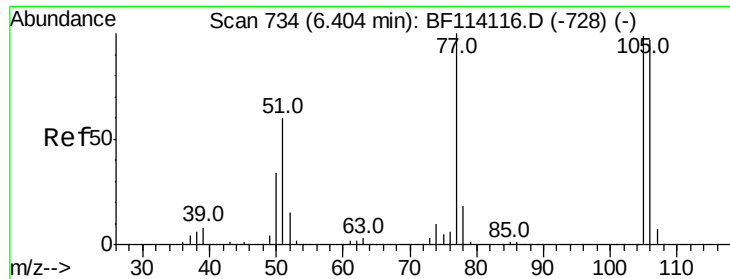
Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

64 47.2 35.9 75.9





#9

Benzaldehyde

Concen: 21.601 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

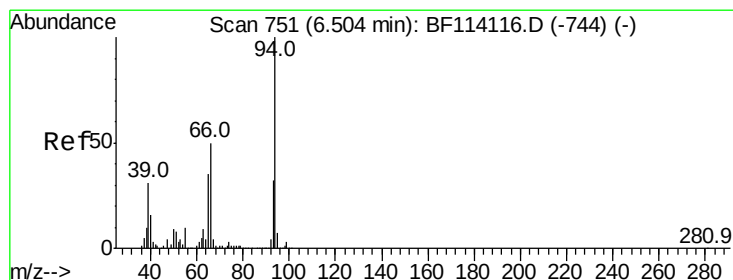
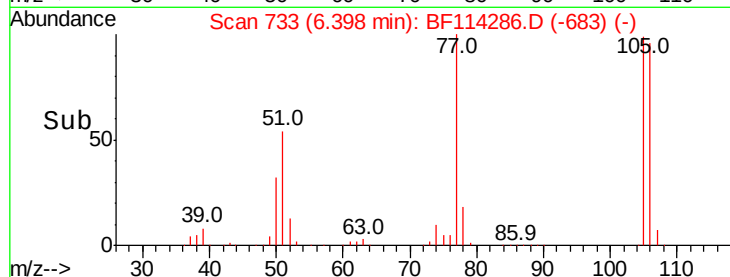
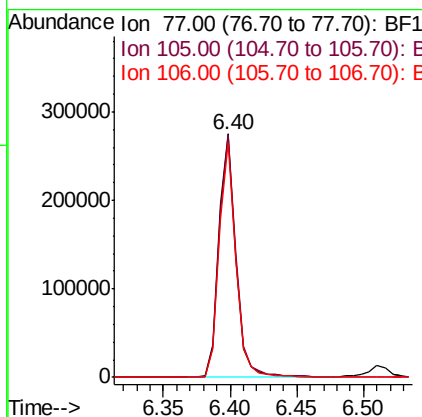
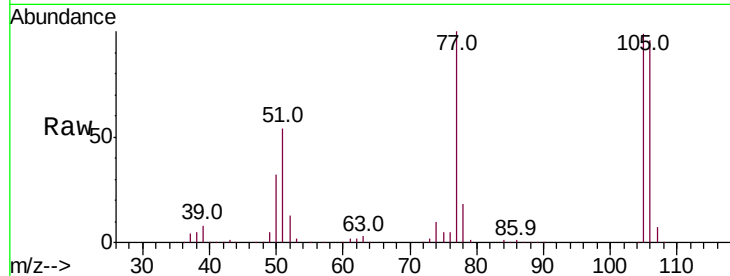
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	77	Resp:	250381
Ion Ratio	Lower	Upper	
77	100		
105	99.4	79.3	119.3
106	96.4	77.0	117.0

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



#10

Phenol

Concen: 36.944 ng

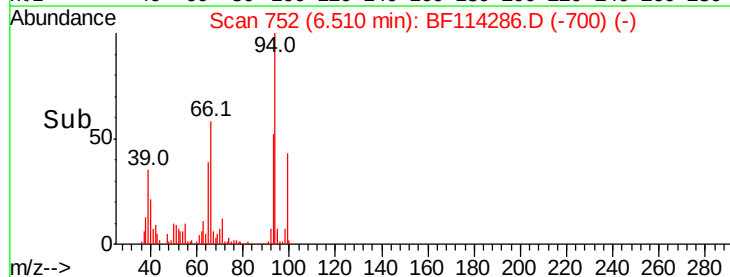
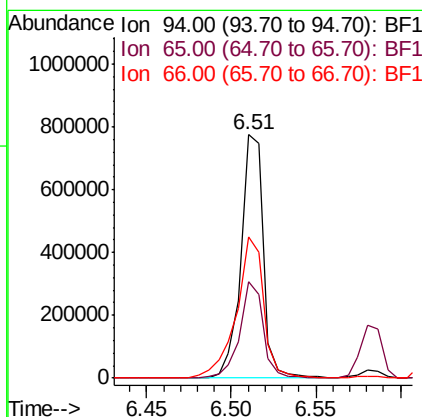
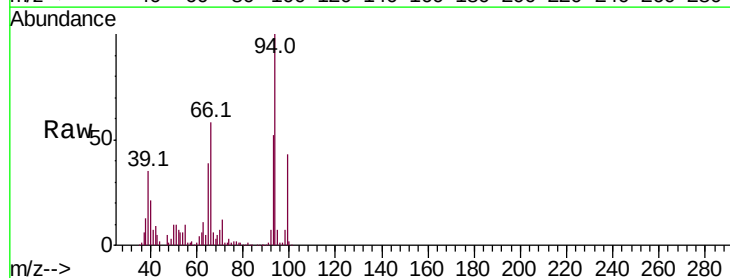
RT: 6.51 min Scan# 752

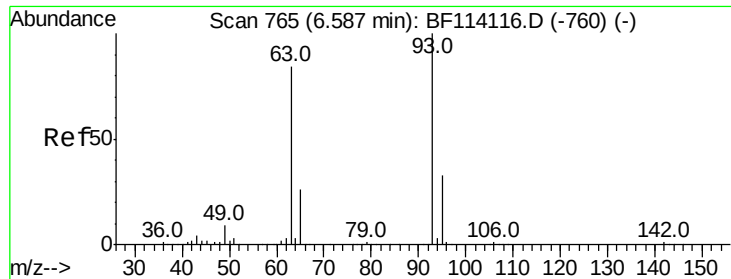
Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Tgt Ion:	94	Resp:	719549
Ion Ratio	Lower	Upper	
94	100		
65	39.5	14.7	54.7
66	58.1	29.6	69.6





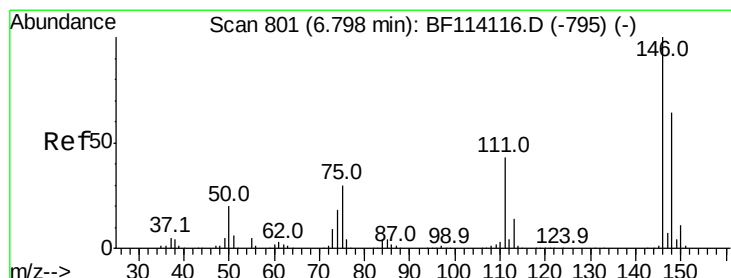
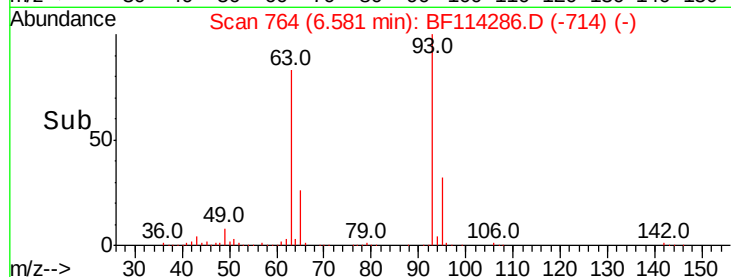
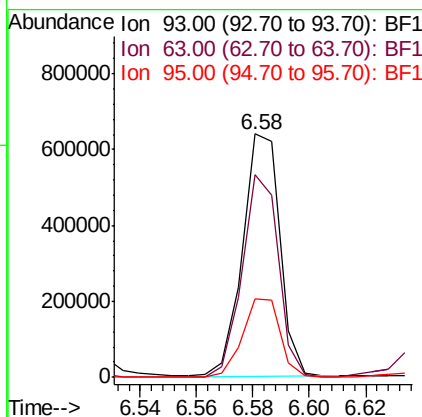
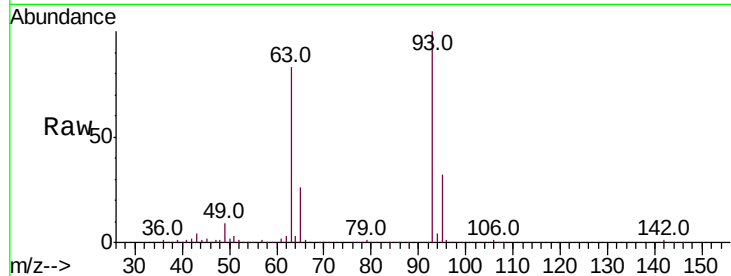
#11
bis(2-Chloroethyl)ether
Concen: 39.658 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.3	63.6	103.6
95	32.3	13.1	53.1

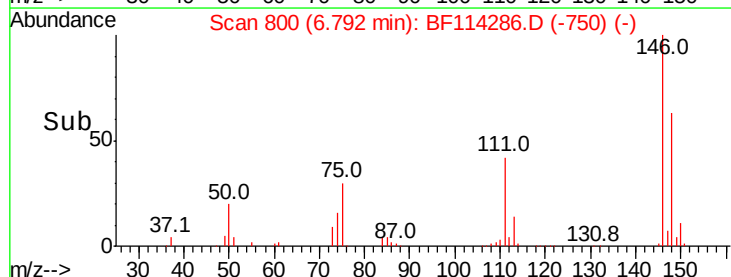
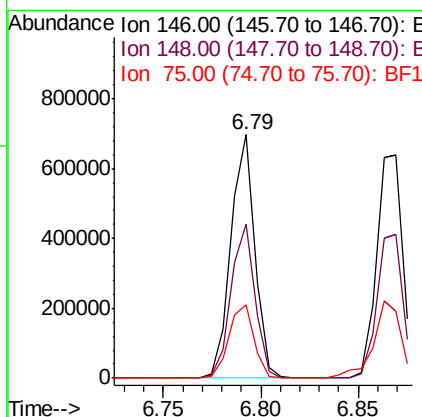
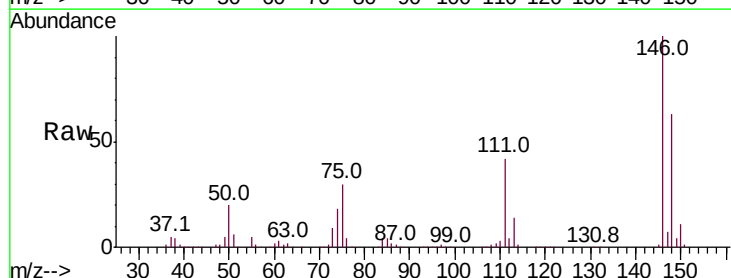
Manual Integrations
APPROVED

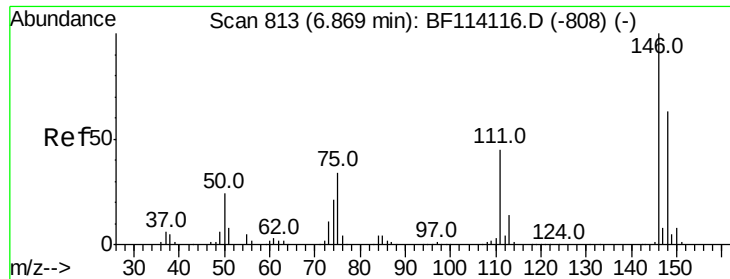
mohammad
5/16/2019 9:51:00 AM



#12
1,3-Dichlorobenzene
Concen: 35.299 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.6	77.4
75	30.1	24.2	36.2





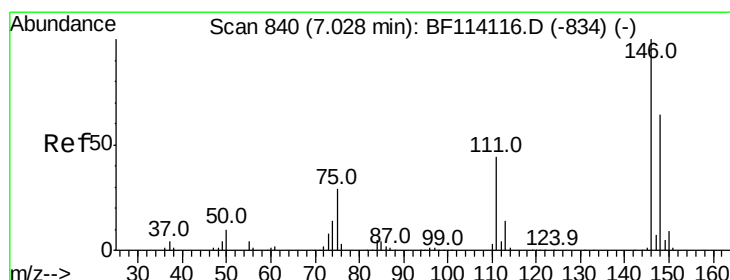
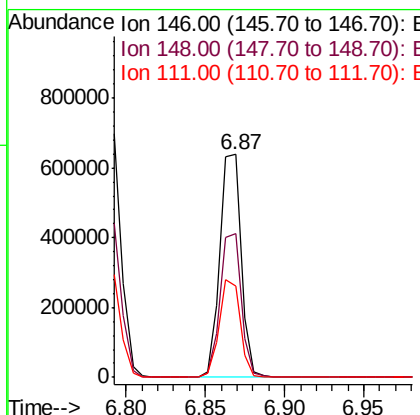
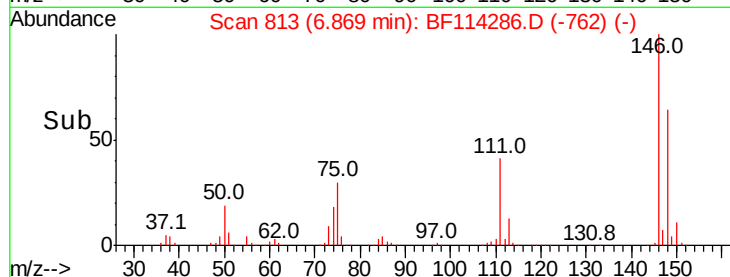
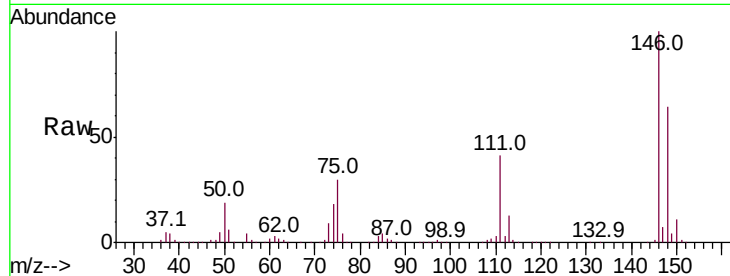
#13
 1,4-Dichlorobenzene
 Concen: 35.393 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.2	75.2
111	40.8	35.8	53.6

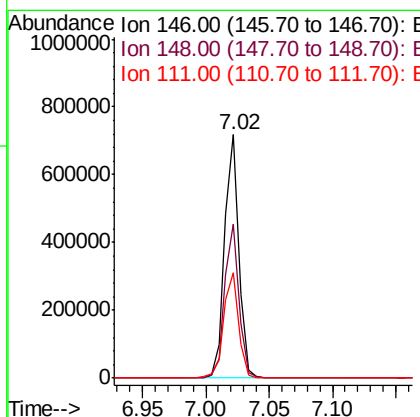
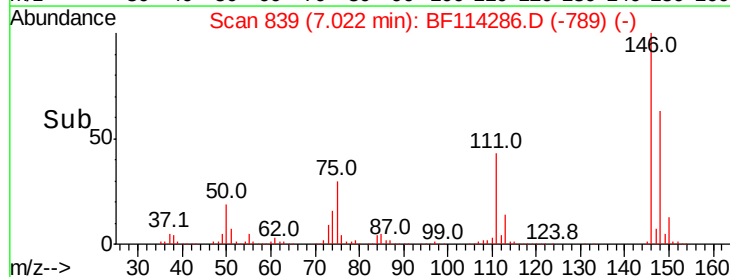
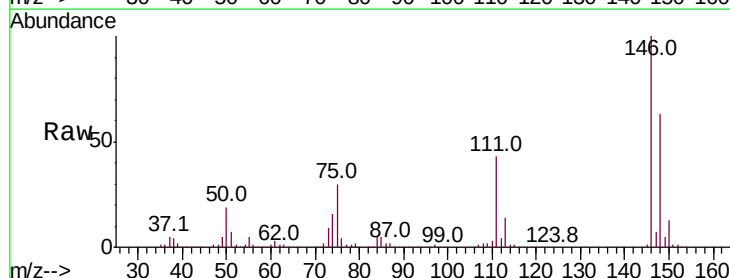
Manual Integrations
 APPROVED

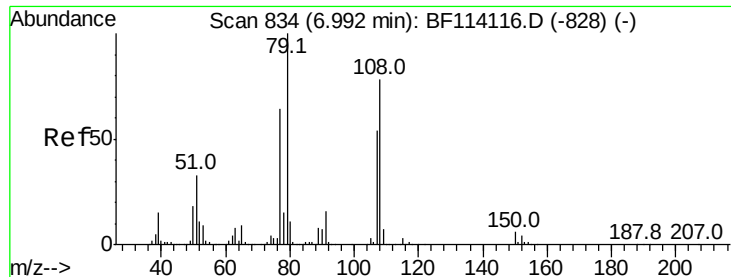
mohammad
 5/16/2019 9:51:00 AM



#14
 1,2-Dichlorobenzene
 Concen: 36.462 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
111	43.2	35.3	52.9





#15

Benzyl Alcohol

Concen: 38.814 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

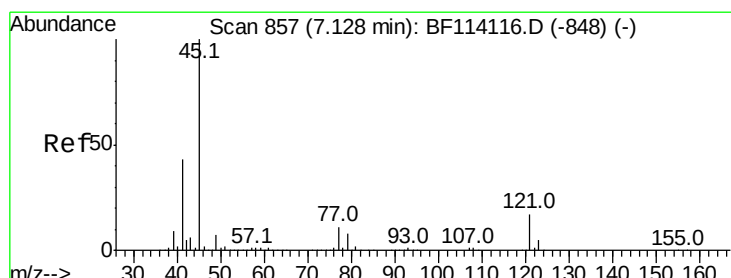
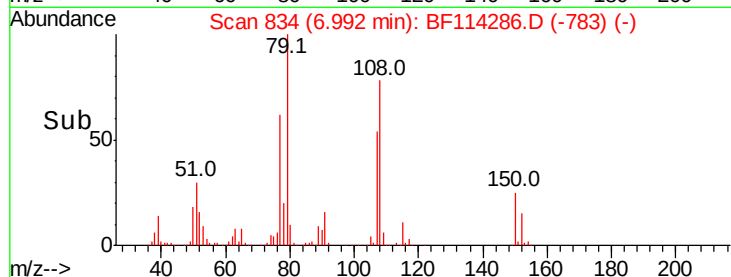
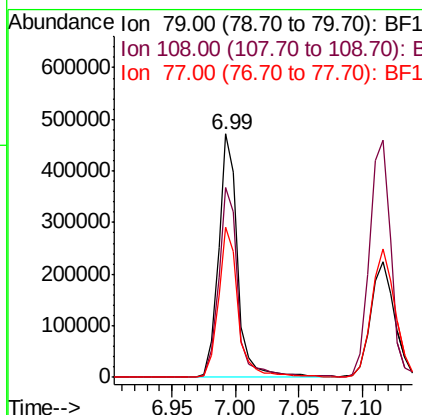
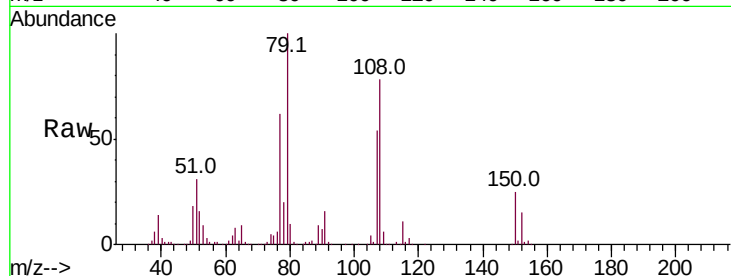
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	79	Resp:	501215
Ion Ratio	Lower	Upper	
79	100		
108	78.2	62.1	93.1
77	61.9	51.0	76.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.653 ng

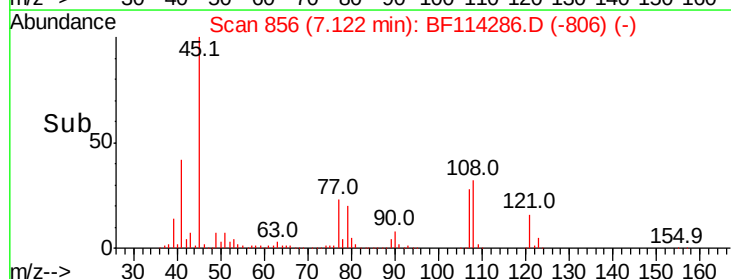
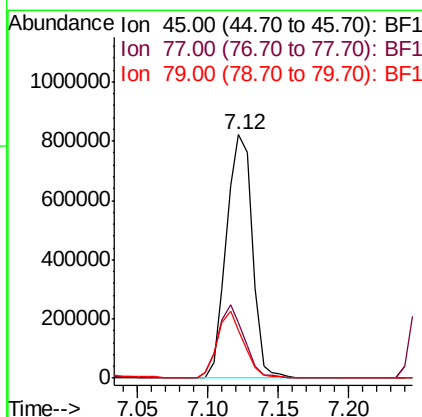
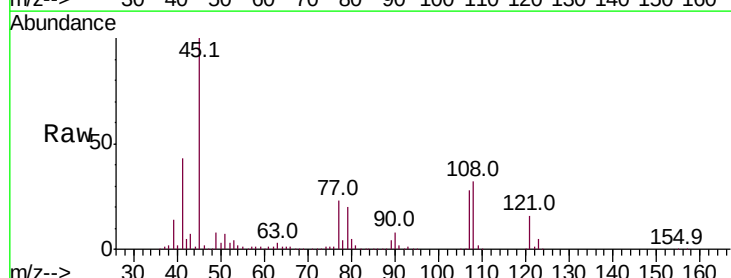
RT: 7.12 min Scan# 856

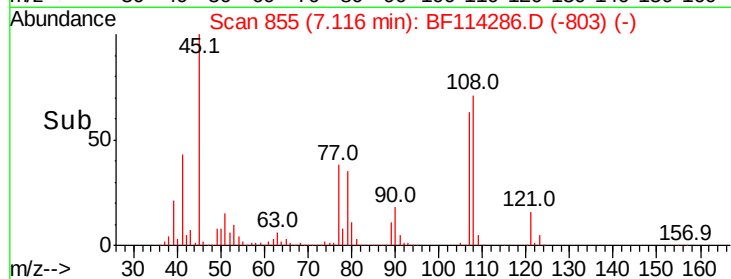
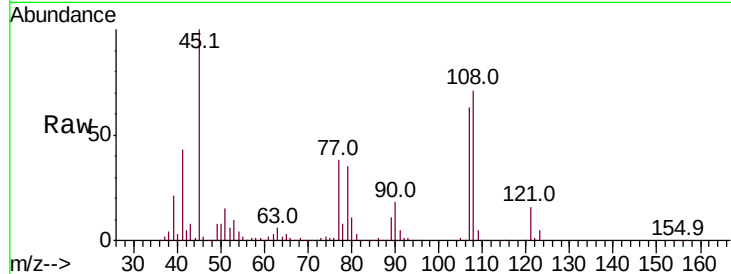
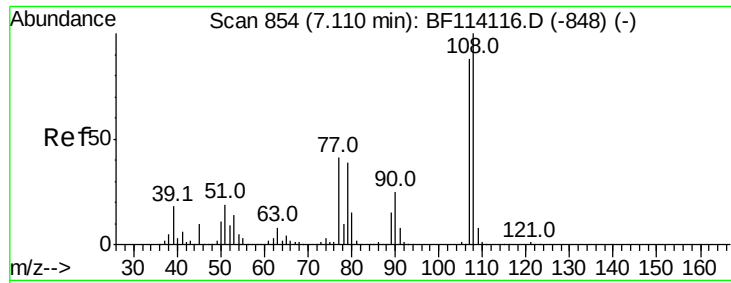
Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Tgt Ion:	45	Resp:	1050870
Ion Ratio	Lower	Upper	
45	100		
77	22.7	0.0	31.1
79	19.6	0.0	28.4





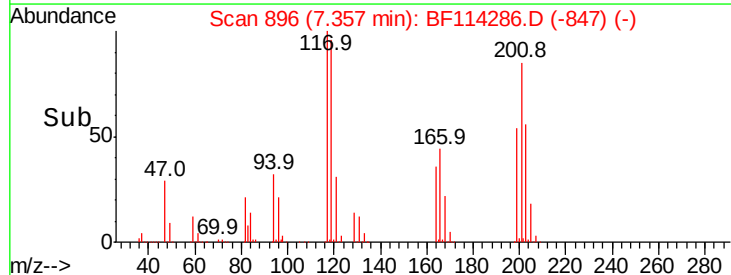
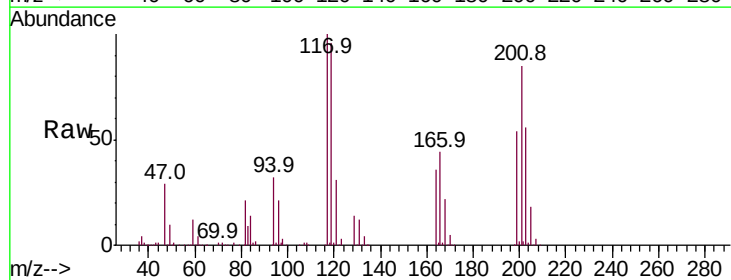
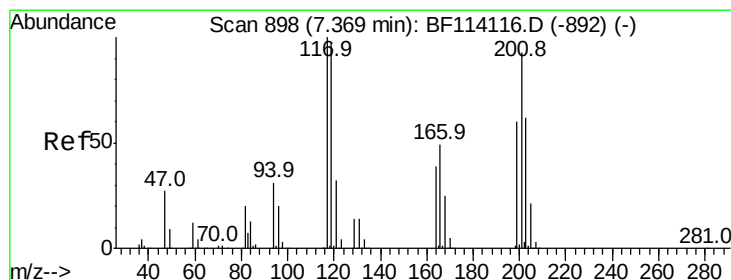
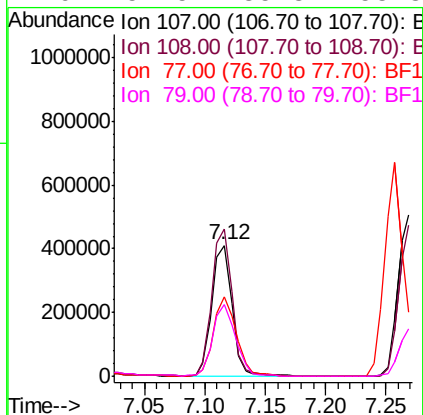
#17
2-Methylphenol
Concen: 38.386 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.9	90.5	135.7	
77	60.5	37.0	55.4	
79	54.5	35.8	53.8	

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

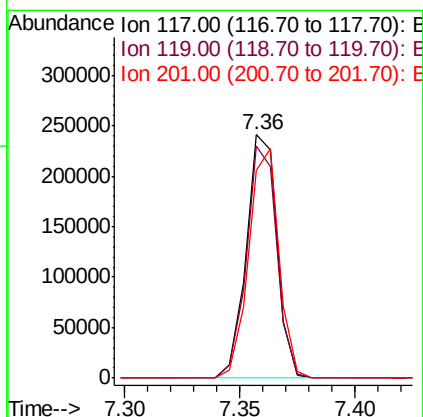
Manual Integrations
APPROVED

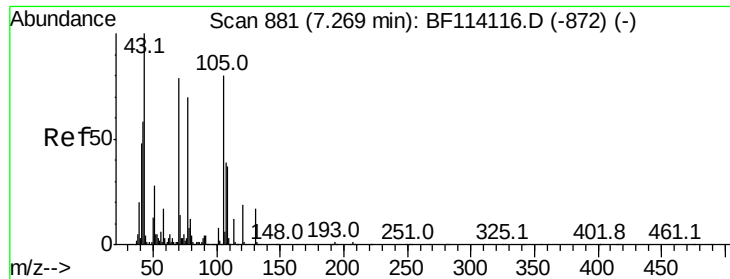
mohammad
5/16/2019 9:51:00 AM



#18
Hexachloroethane
Concen: 35.389 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	77.4	116.2	
201	85.4	74.5	111.7	





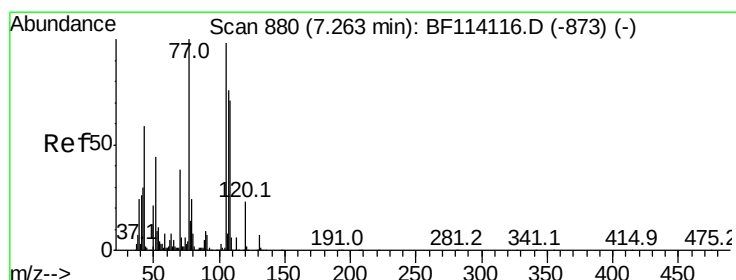
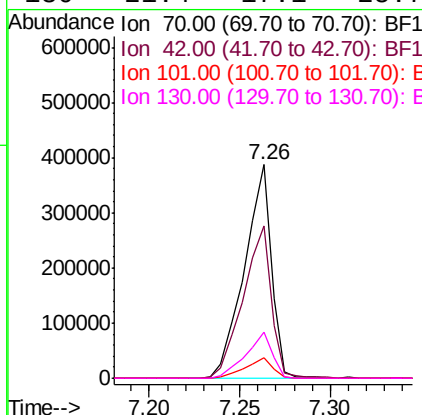
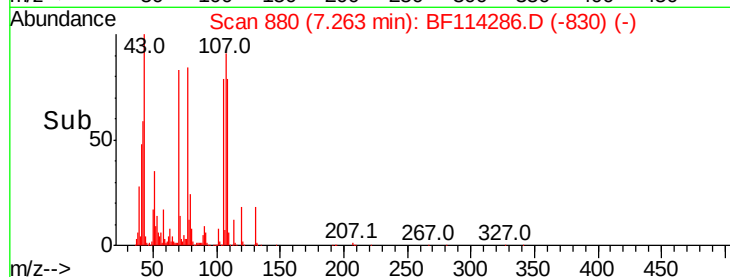
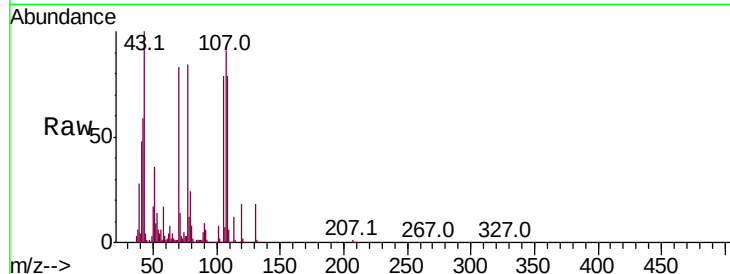
#19
n-Nitroso-di-n-propylamine
Concen: 38.390 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	71.1	58.6	87.8	
101	9.5	7.8	11.8	
130	21.4	17.1	25.7	

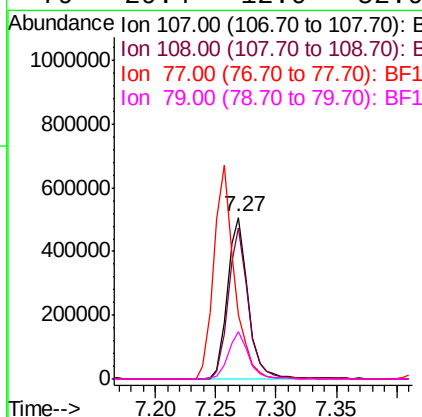
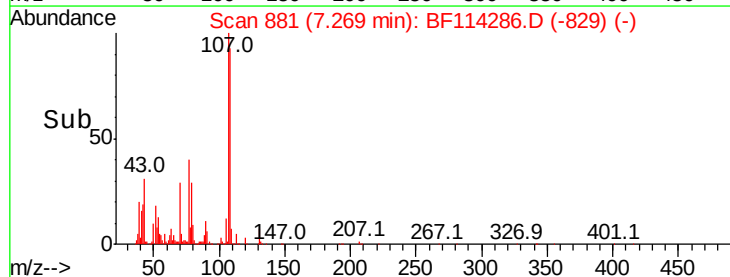
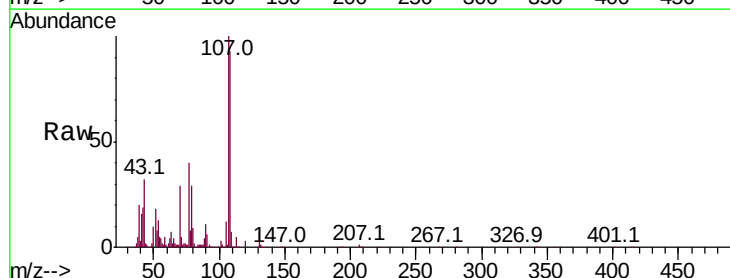
Manual Integrations
APPROVED

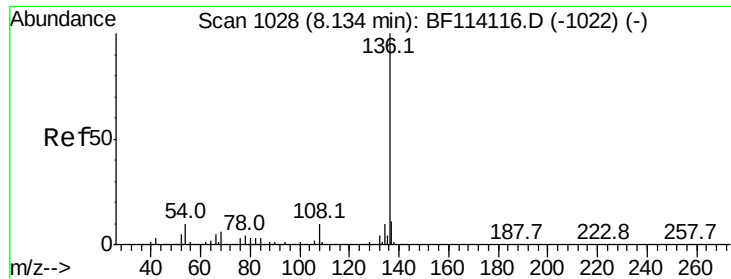
mohammad
5/16/2019 9:51:00 AM



#20
3+4-Methylphenols
Concen: 42.269 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	93.1	73.8	113.8	
77	39.7	111.5	151.5#	
79	29.4	12.0	52.0	





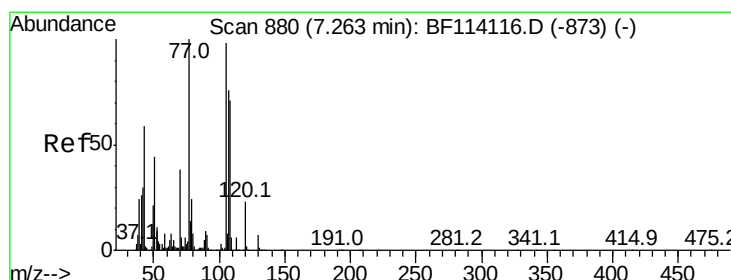
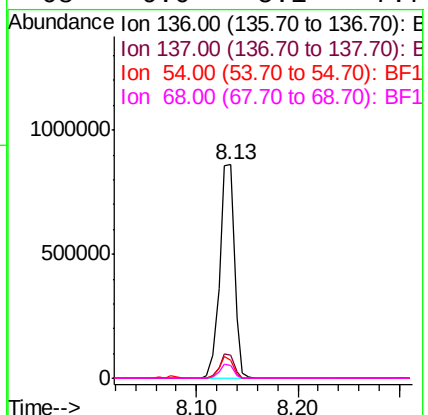
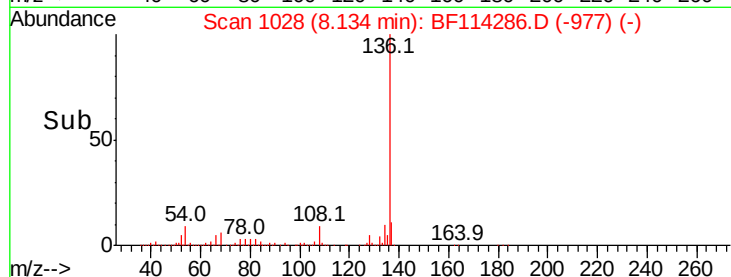
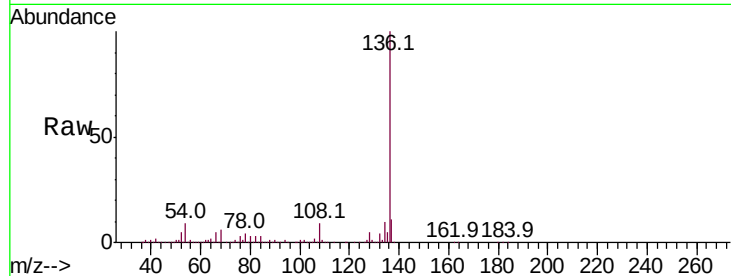
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.8	13.2	
54	8.5	7.8	11.8	
68	6.0	5.1	7.7	

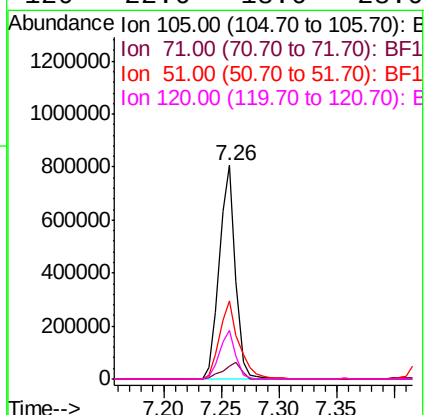
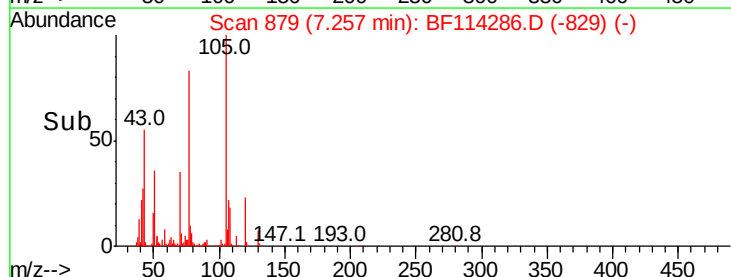
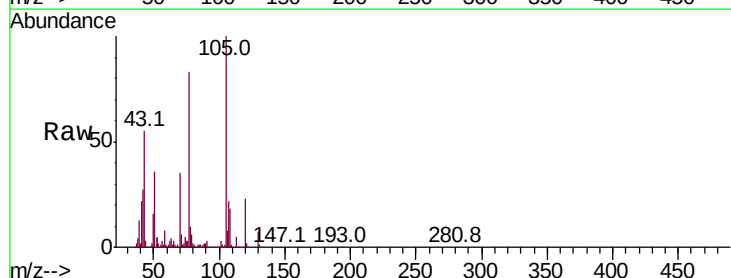
Manual Integrations
APPROVED

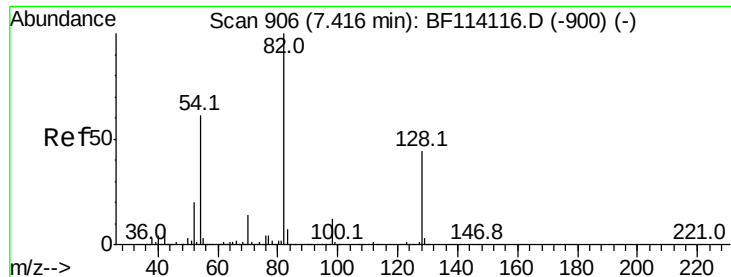
mohammad
5/16/2019 9:51:00 AM



#22
Acetophenone
Concen: 40.564 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.2	5.3	7.9	
51	36.5	36.2	54.4	
120	22.6	18.6	28.0	





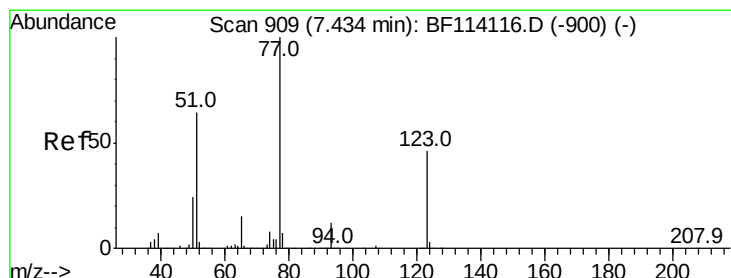
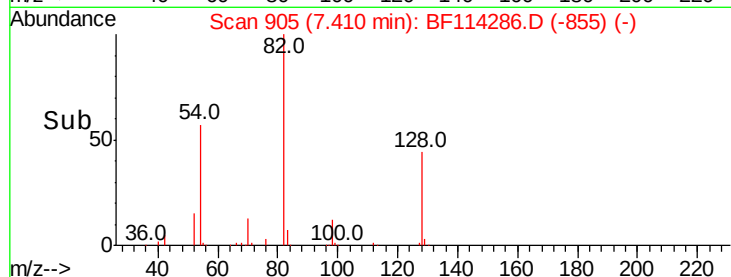
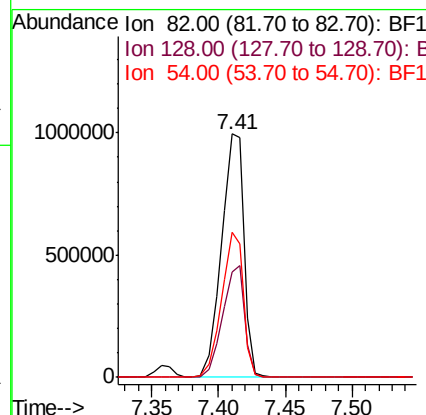
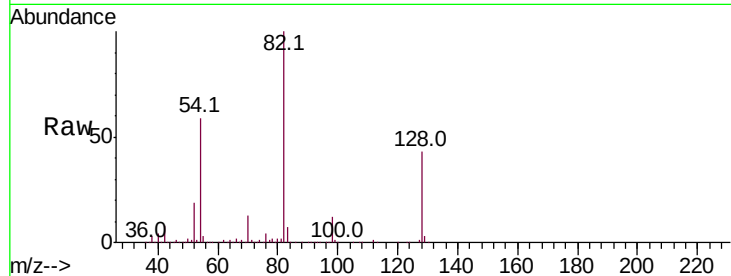
#23
 Nitrobenzene-d5
 Concen: 76.725 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.5	53.3
54	59.3	48.5	72.7

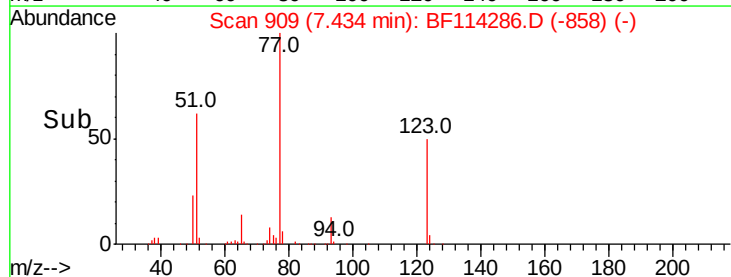
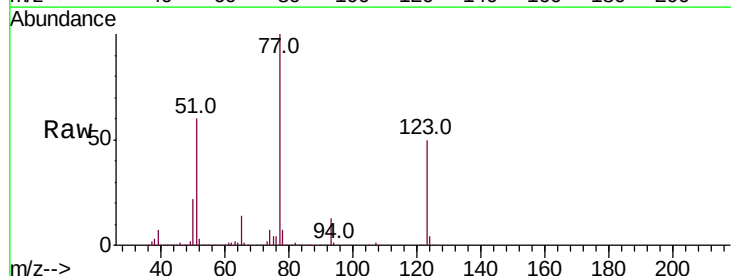
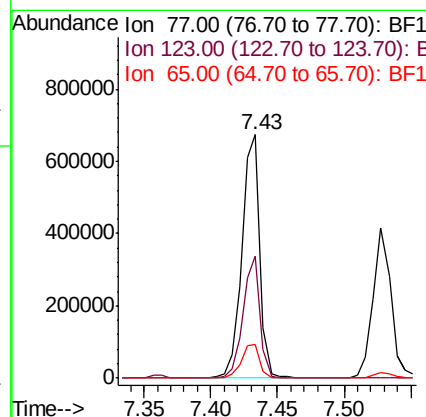
Manual Integrations
 APPROVED

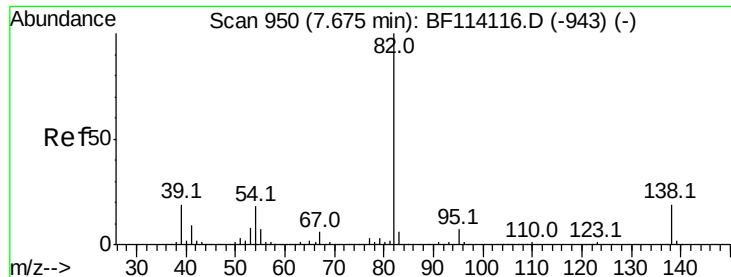
mohammad
 5/16/2019 9:51:00 AM



#24
 Nitrobenzene
 Concen: 39.853 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.0	36.9	55.3
65	13.7	11.8	17.6





#25

Isophorone

Concen: 39.681 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 82 Resp: 1140436

Ion Ratio Lower Upper

82 100

95 6.9 5.6 8.4

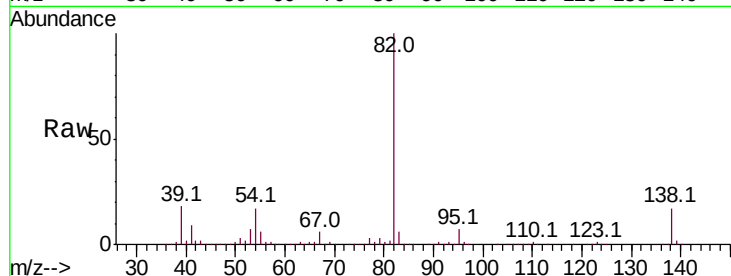
138 17.2 14.8 22.2

Manual Integrations

APPROVED

mohammad

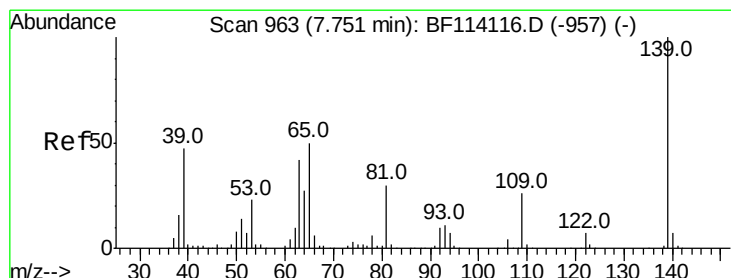
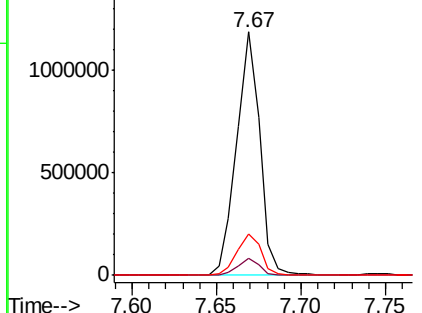
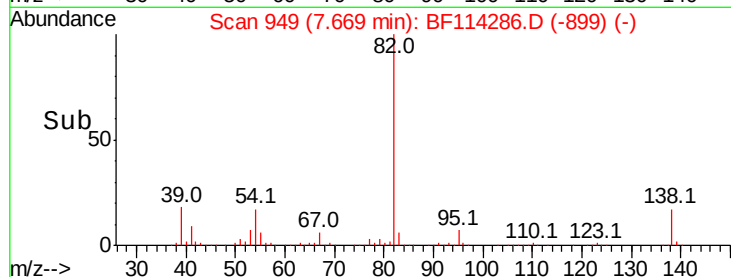
5/16/2019 9:51:00 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 42.371 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

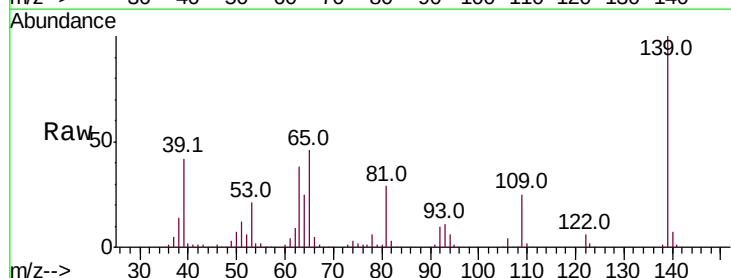
Tgt Ion: 139 Resp: 324457

Ion Ratio Lower Upper

139 100

109 24.7 20.7 31.1

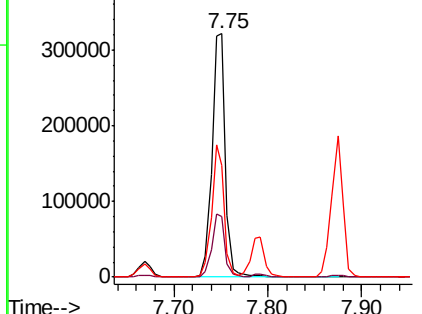
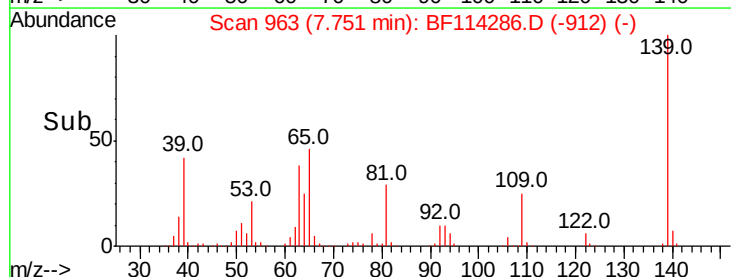
65 45.7 40.2 60.2

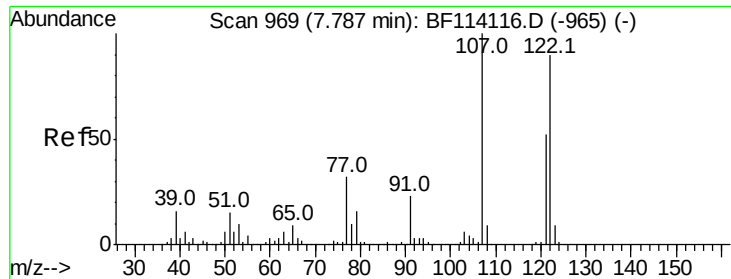


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





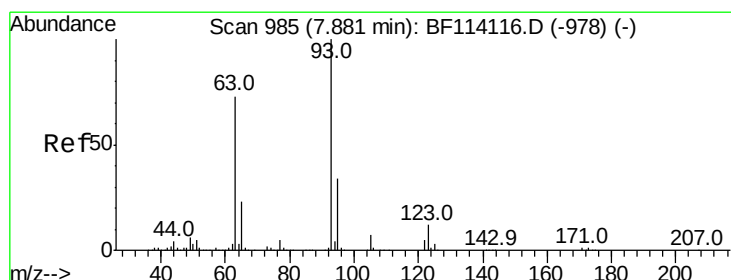
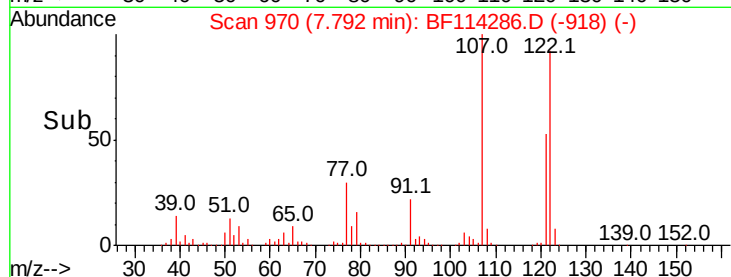
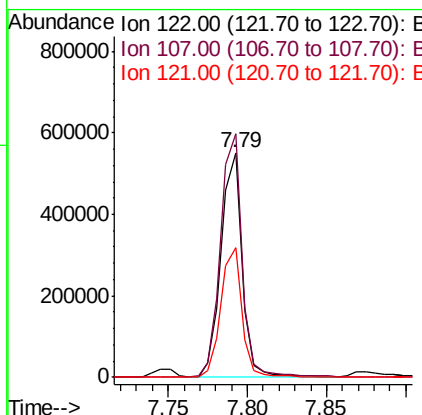
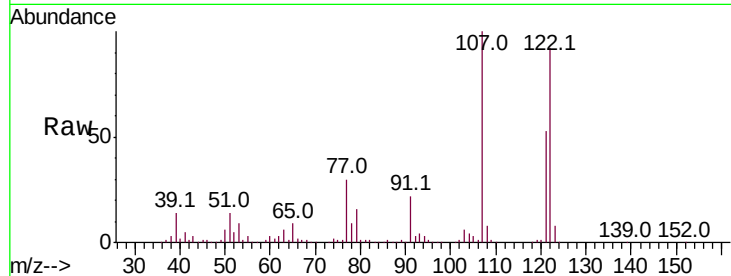
#27
2,4-Dimethylphenol
Concen: 42.395 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	509878		
107	108.2		88.4	132.6
121	57.6		45.9	68.9

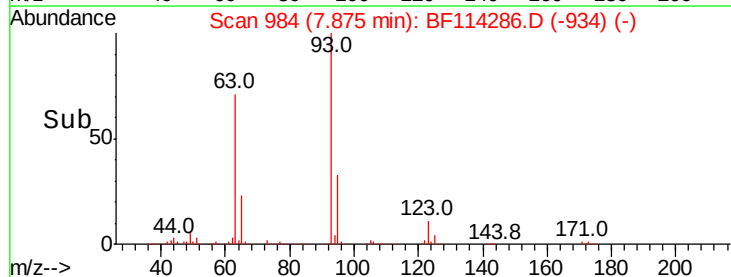
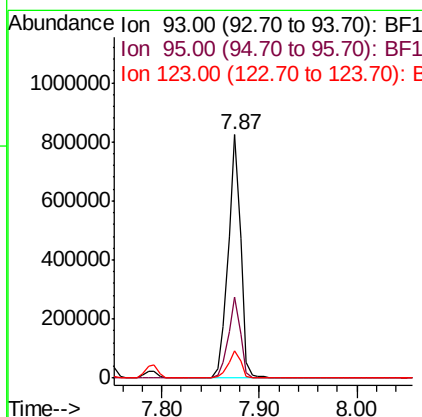
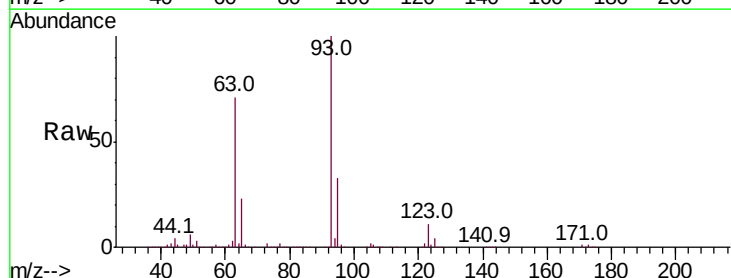
Manual Integrations
APPROVED

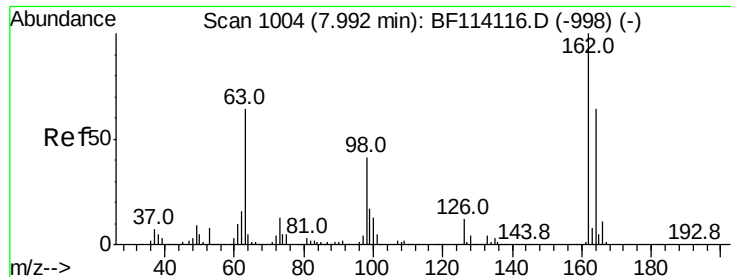
mohammad
5/16/2019 9:51:00 AM



#28
bis(2-Chloroethoxy)methane
Concen: 39.257 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	732057		
95	33.3		26.8	40.2
123	11.1		9.5	14.3





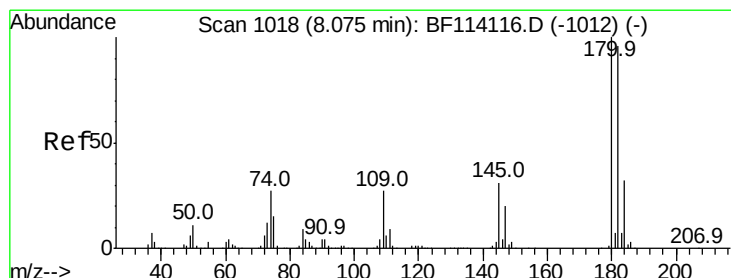
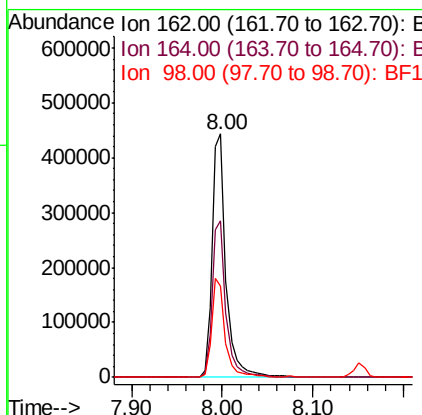
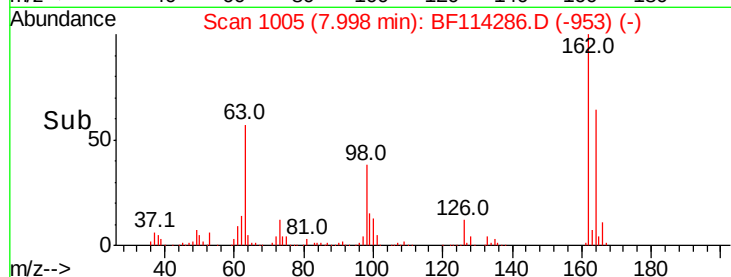
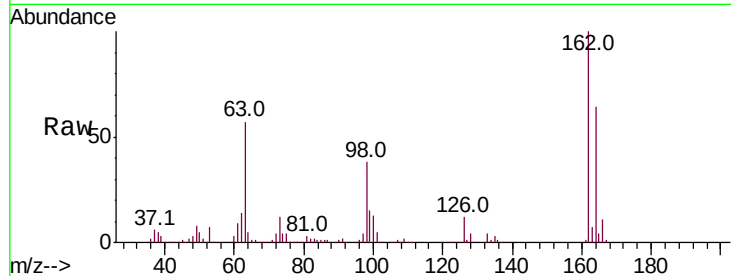
#29
2,4-Dichlorophenol
Concen: 39.718 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	475653		
164	64.3	43.6	83.6	
98	37.6	20.6	60.6	

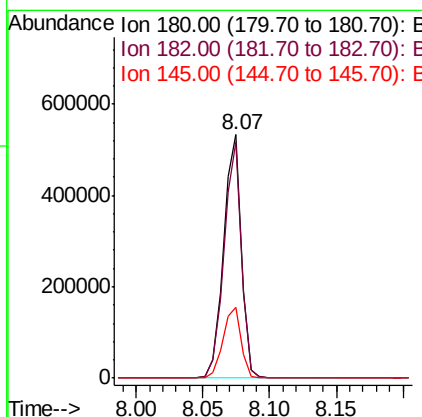
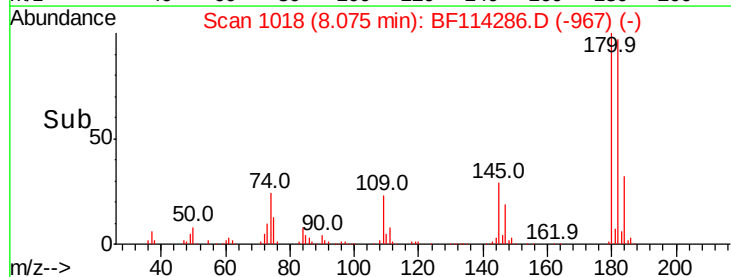
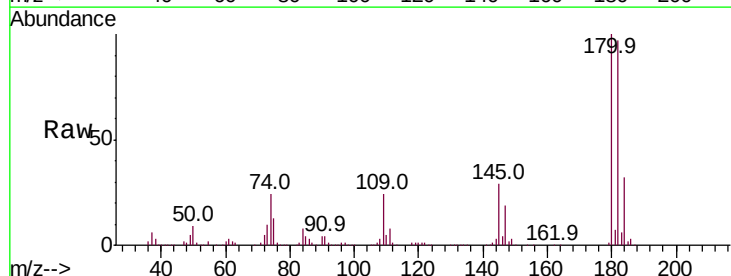
Manual Integrations
APPROVED

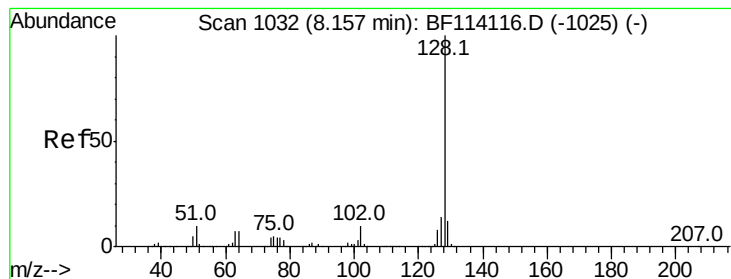
mohammad
5/16/2019 9:51:00 AM



#30
1,2,4-Trichlorobenzene
Concen: 36.867 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	502057		
182	96.8	76.6	114.8	
145	28.9	25.1	37.7	





#31

Naphthalene

Concen: 39.537 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:128 Resp: 1606125

Ion Ratio Lower Upper

128 100

129 11.7 9.6 14.4

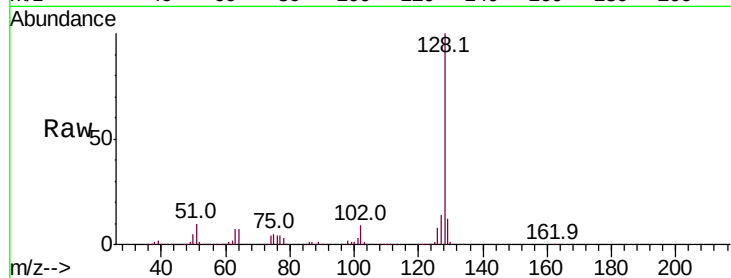
127 13.5 11.3 16.9

Manual Integrations

APPROVED

mohammad

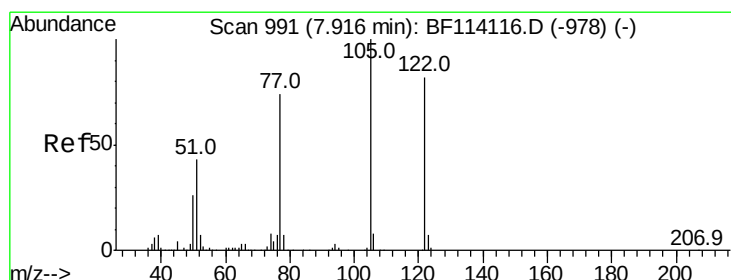
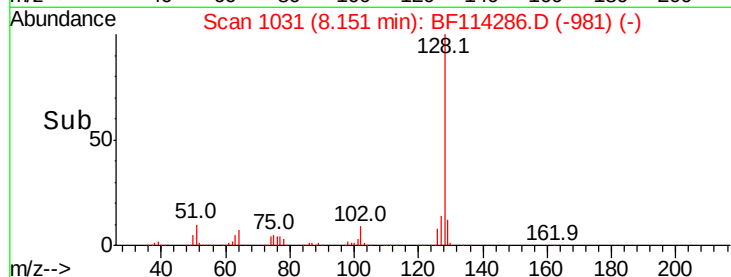
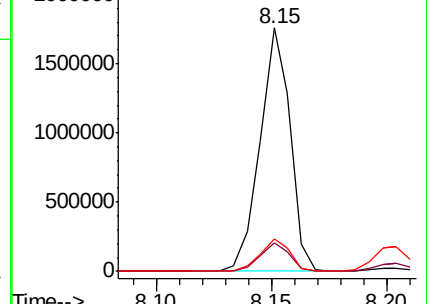
5/16/2019 9:51:00 AM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.733 ng m

RT: 7.87 min Scan# 984

Delta R.T. -0.04 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

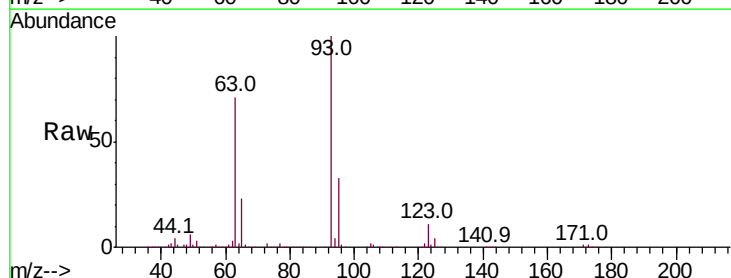
Tgt Ion:122 Resp: 27243

Ion Ratio Lower Upper

122 100

105 124.8 99.9 139.9

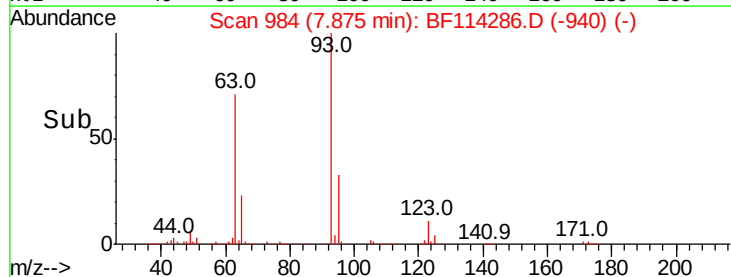
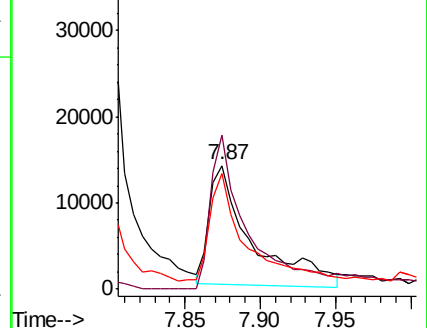
77 93.7 69.4 109.4

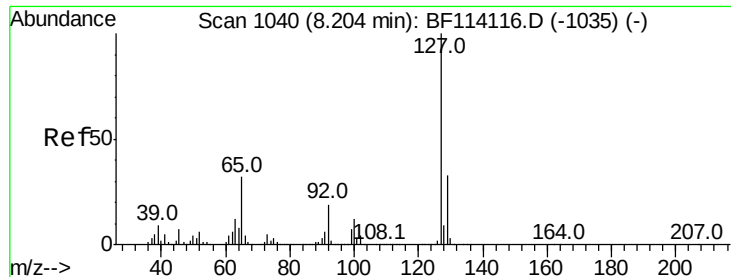


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





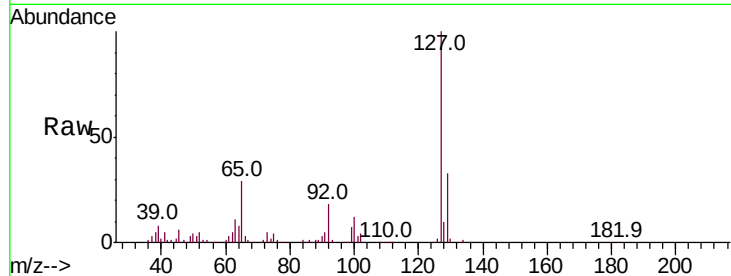
#33
4-Chloroaniline
Concen: 11.794 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.9	26.7	40.1	
65	29.2	25.4	38.0	
92	18.4	15.4	23.2	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



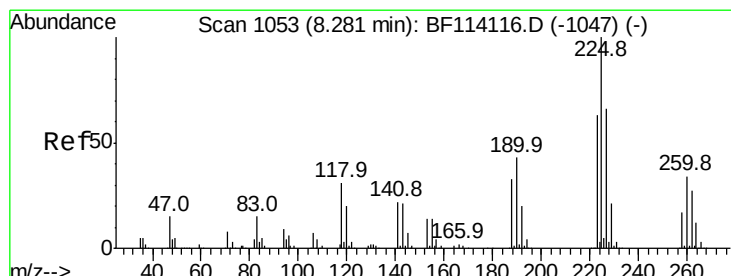
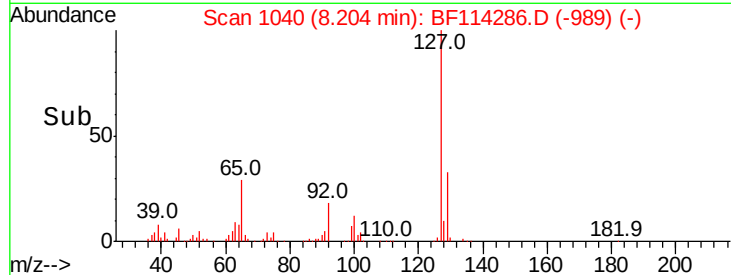
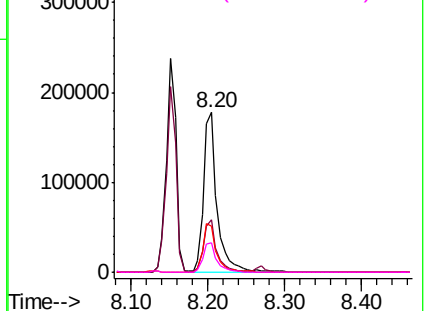
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

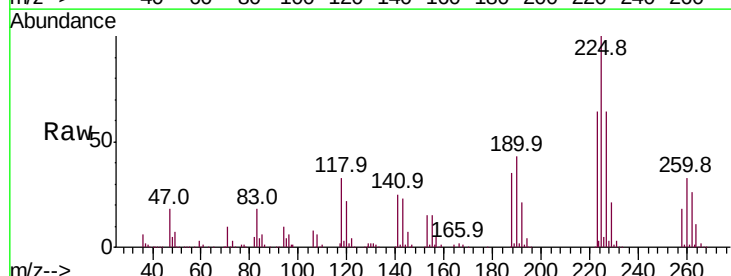
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 35.216 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	50.2	75.2	
227	63.7	52.6	79.0	

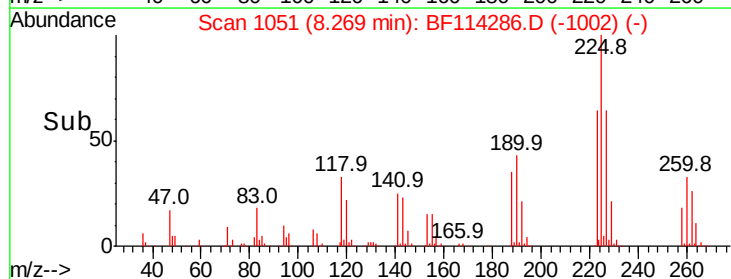
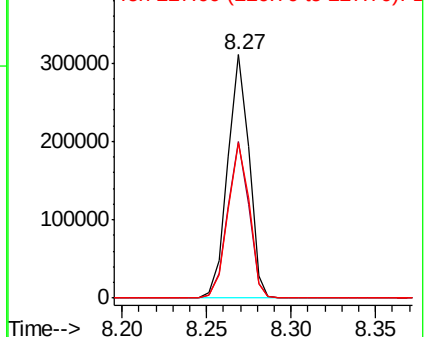


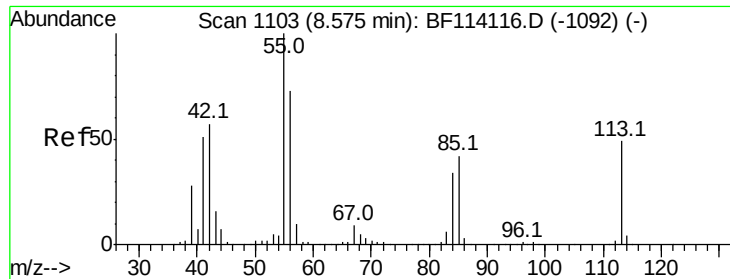
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





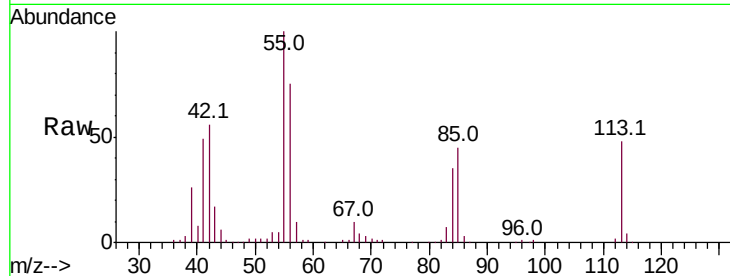
#35
Caprolactam
Concen: 44.576 ng m
RT: 8.56 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

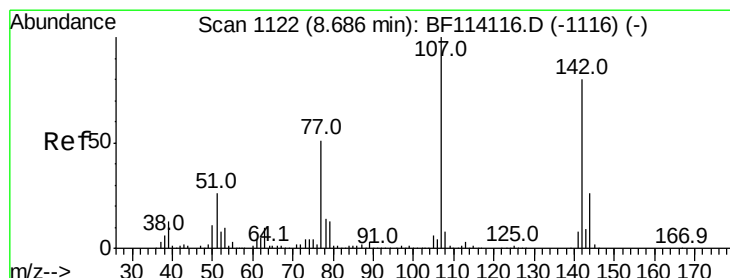
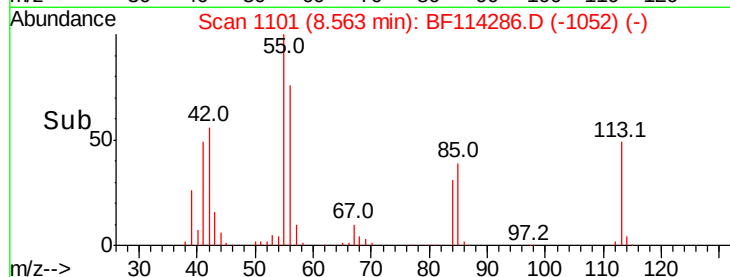
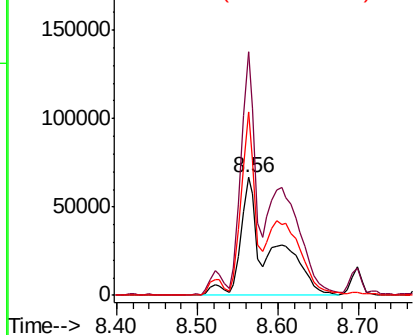
Tot Ion	Ratio	Lower	Upper
113	100		
55	207.0	183.5	223.5
56	155.8	128.8	168.8

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM

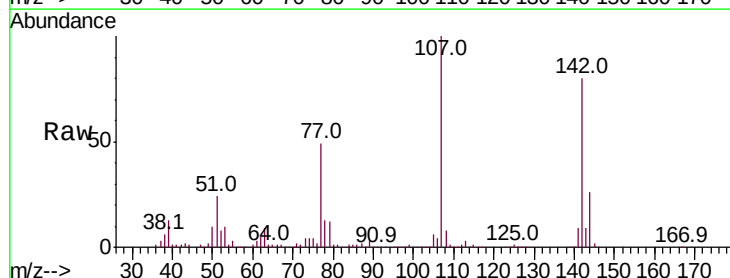


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

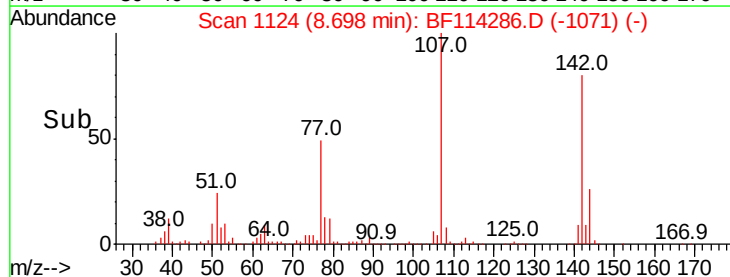
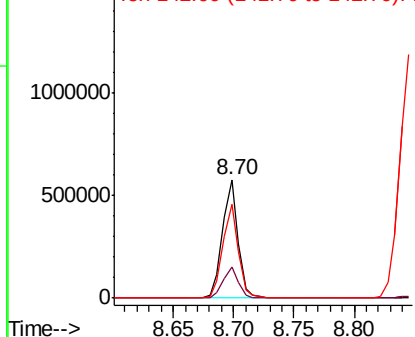


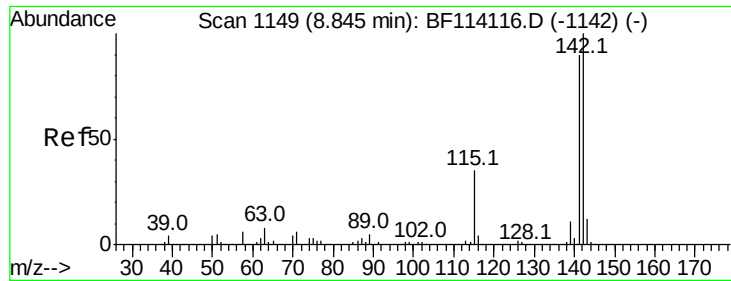
#36
4-Chloro-3-methylphenol
Concen: 42.669 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.4	30.6
142	79.7	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





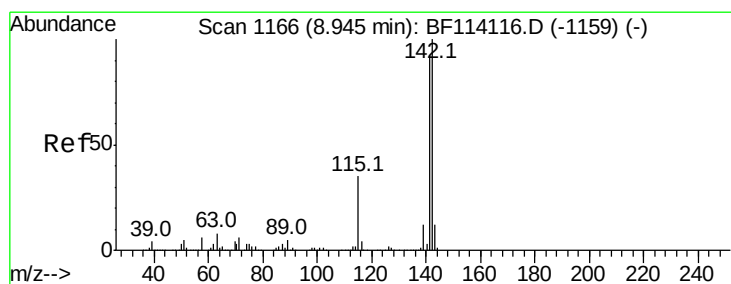
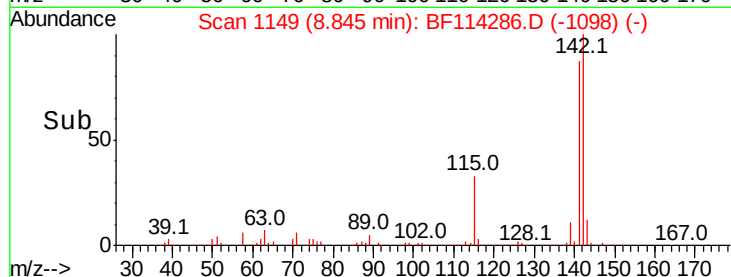
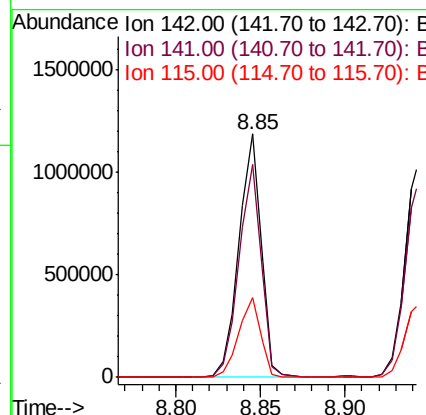
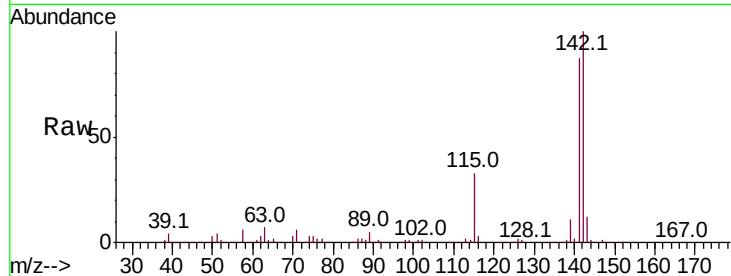
#37
2-Methylnaphthalene
Concen: 41.395 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	72.1	108.1
115	32.6	28.0	42.0

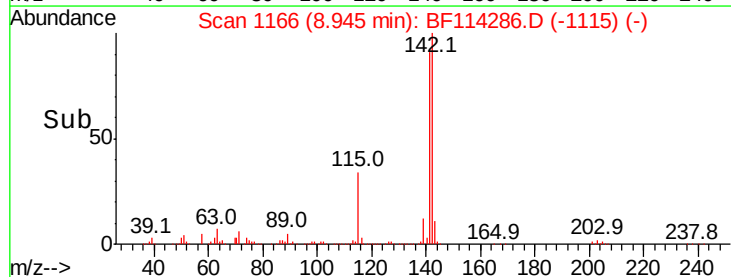
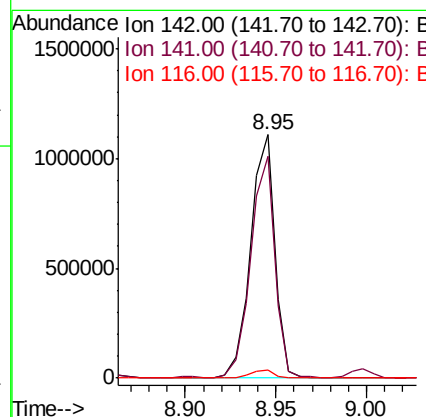
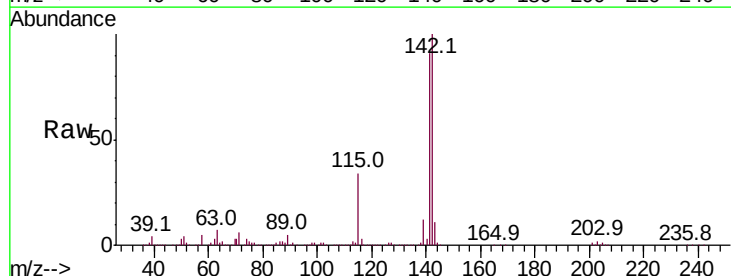
Manual Integrations
APPROVED

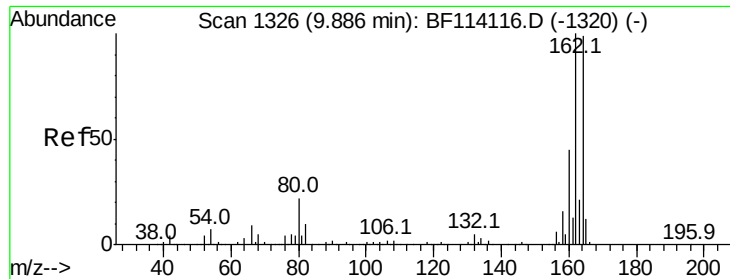
mohammad
5/16/2019 9:51:00 AM



#38
1-Methylnaphthalene
Concen: 41.481 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.0
116	3.4	3.1	4.7





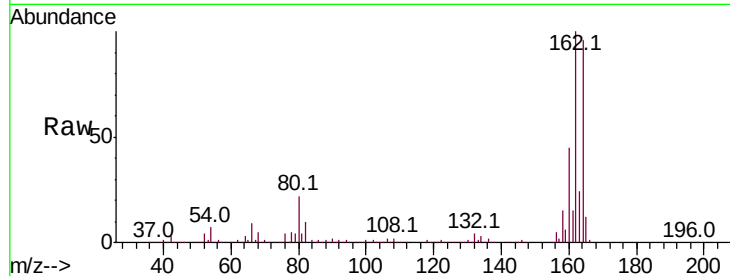
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	80.6	120.8
160	46.6	36.5	54.7

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM

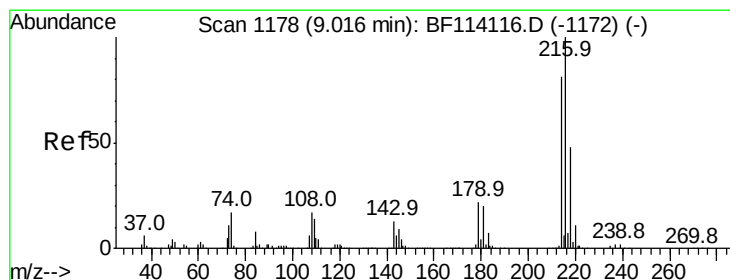
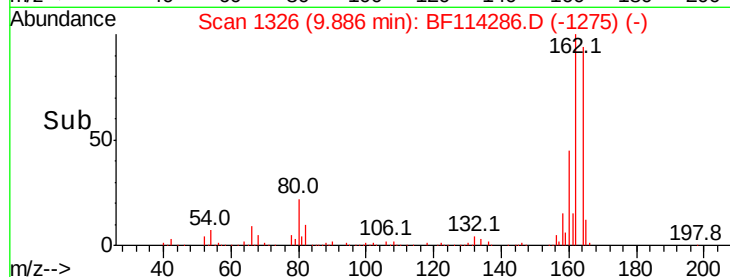
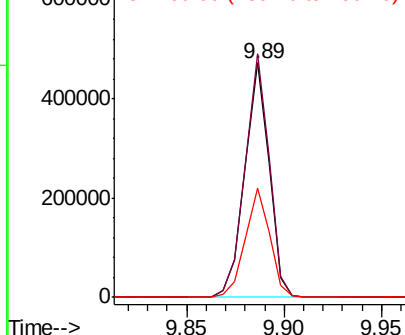


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.043 ng
RT: 9.02 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.9	95.9
179	20.8	17.0	25.6
108	19.2	14.8	22.2

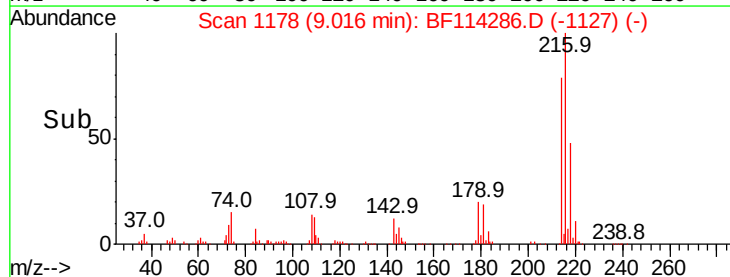
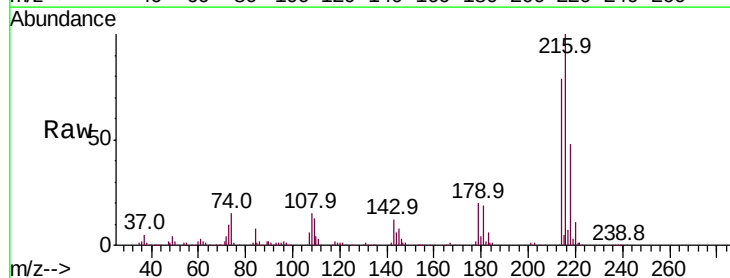
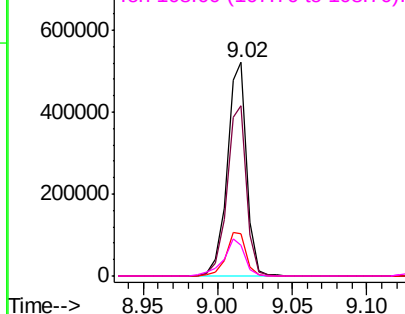
Abundance

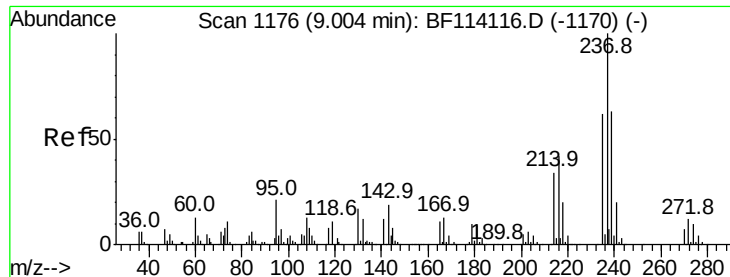
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





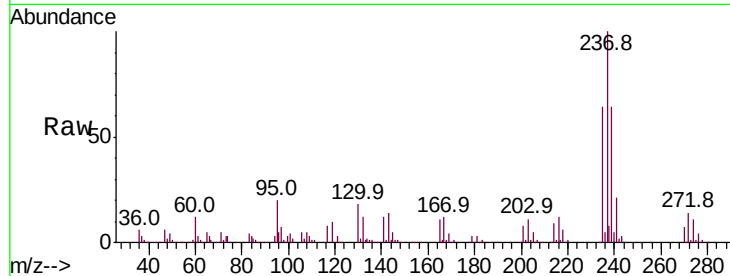
#41
Hexachlorocyclopentadiene
Concen: 51.334 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

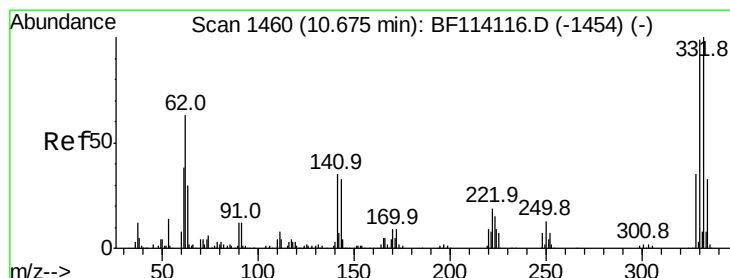
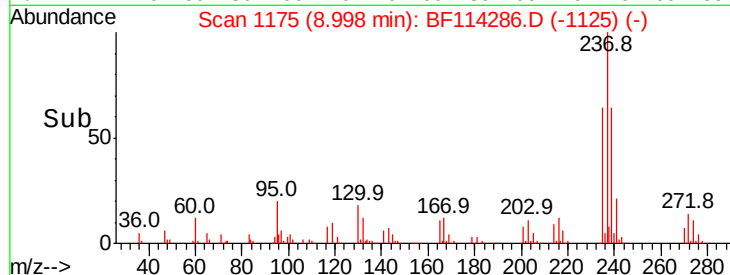
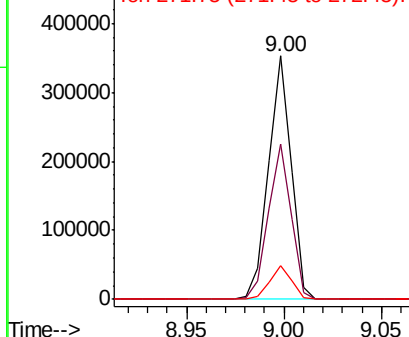
Tot Ion	Ratio	Resp	Lower	Upper
237	100	285391		
235	63.7	42.0	82.0	
272	13.7	0.0	32.4	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM

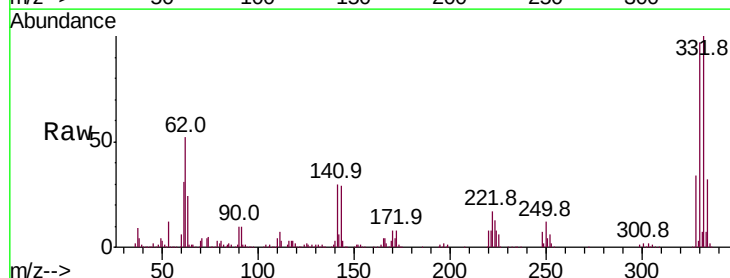


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

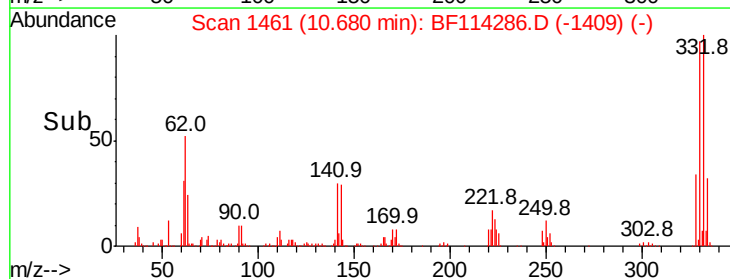
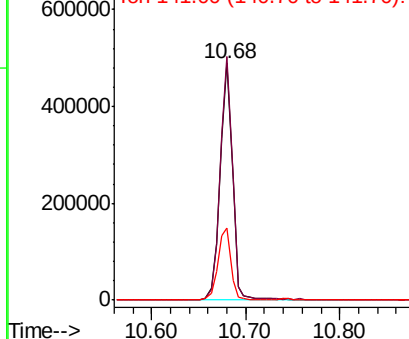


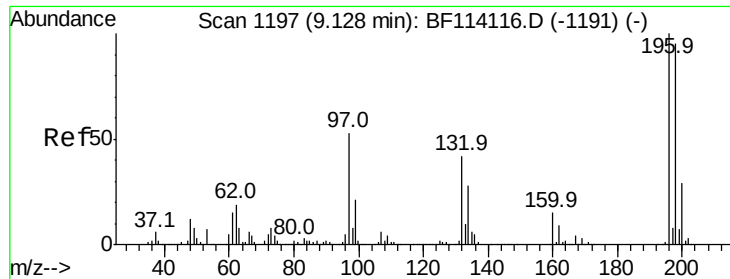
#42
2,4,6-Tribromophenol
Concen: 108.014 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	454400		
332	102.1	81.4	122.2	
141	32.0	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





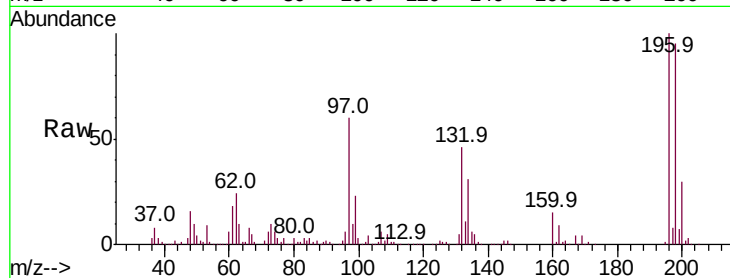
#43
 2,4,6-Trichlorophenol
 Concen: 38.784 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	328832		
198	95.0	75.9	113.9	
200	29.8	23.5	35.3	

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:00 AM

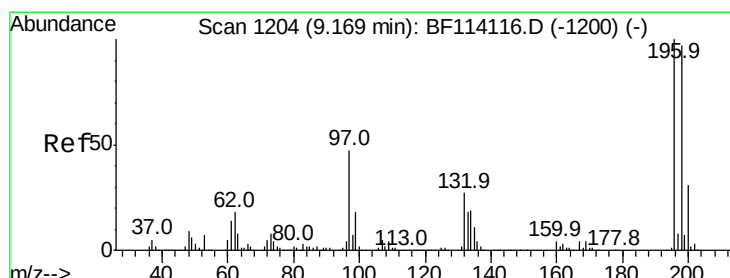
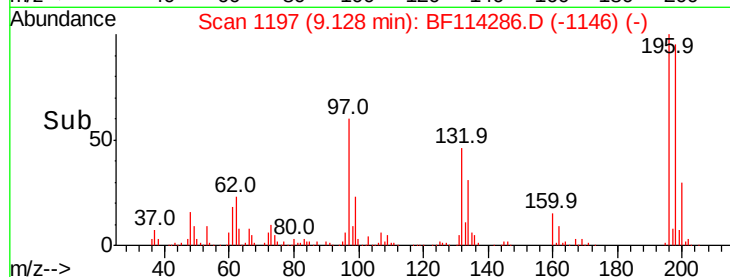
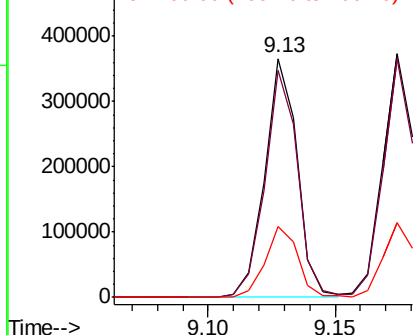


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 40.265 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	350106		
198	97.8	77.7	116.5	
97	51.8	38.2	57.2	
132	29.5	21.4	32.2	

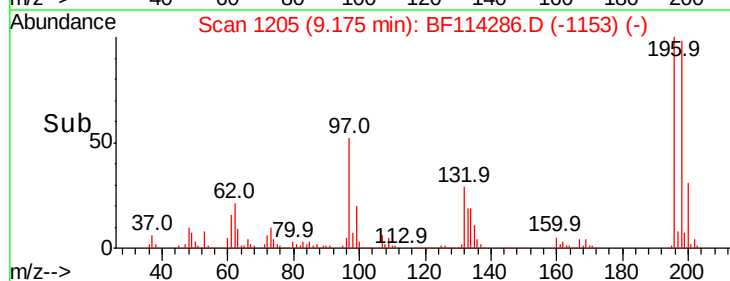
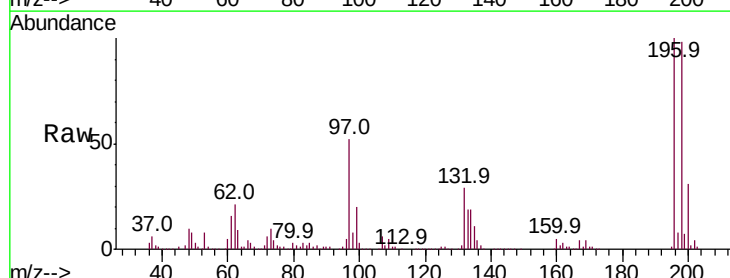
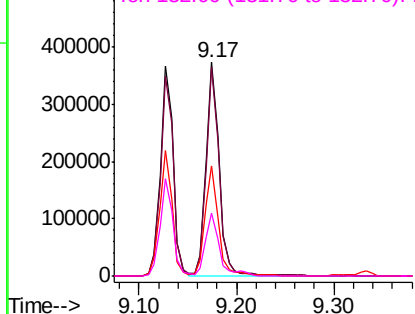
Abundance

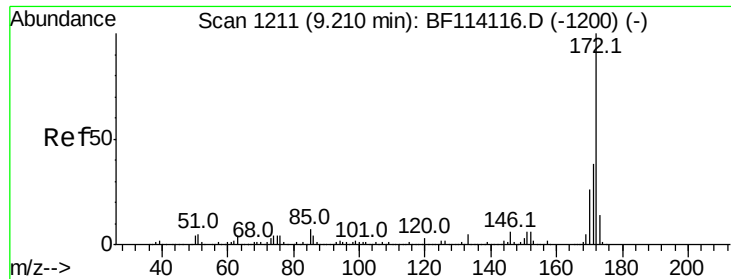
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





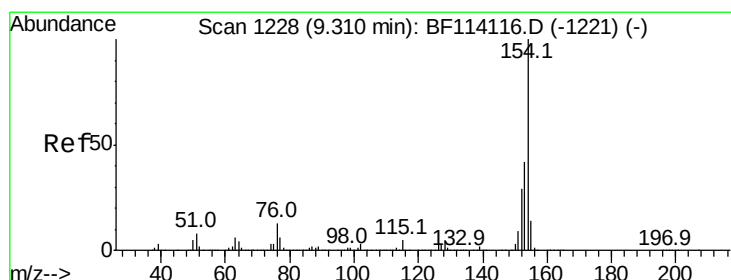
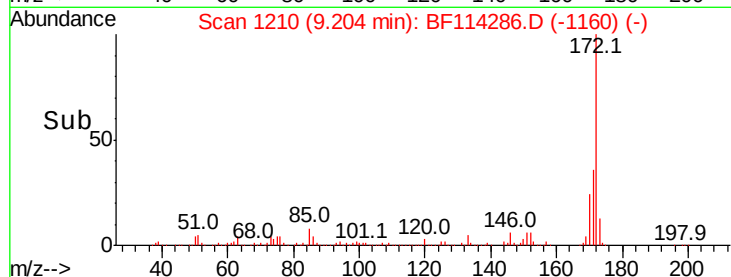
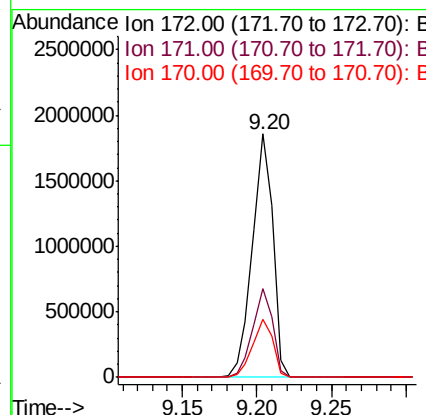
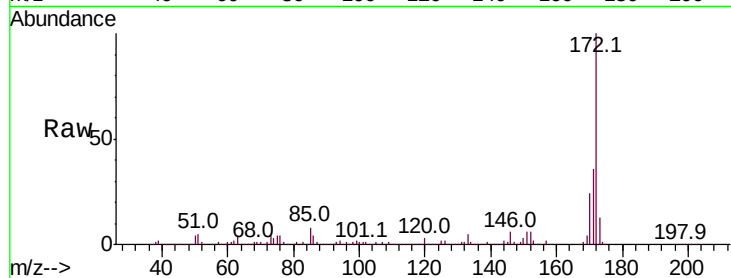
#45
2-Fluorobiphenyl
Concen: 65.508 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.7	46.1
170	24.0	20.5	30.7

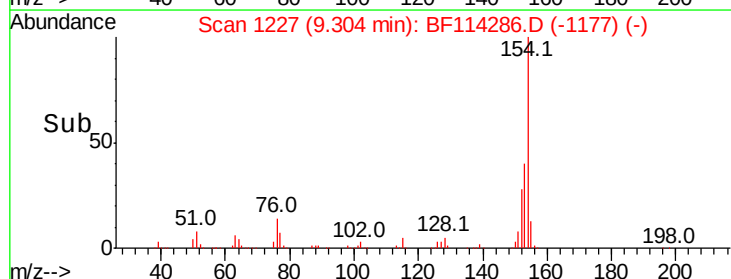
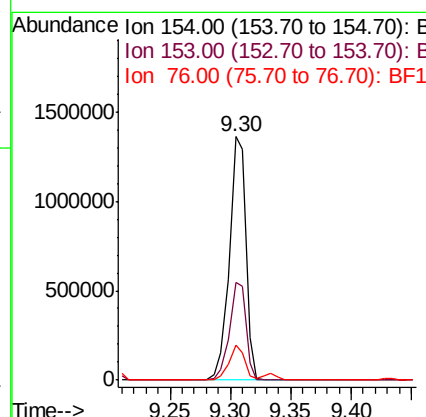
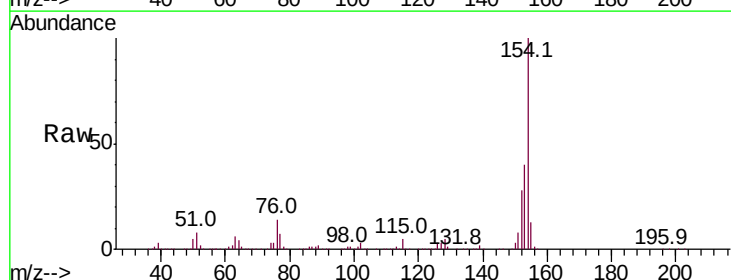
Manual Integrations
APPROVED

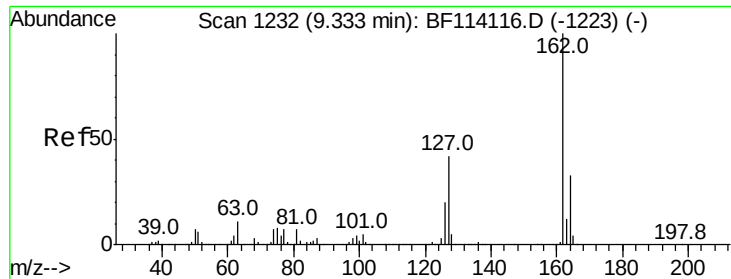
mohammad
5/16/2019 9:51:00 AM



#46
1,1'-Biphenyl
Concen: 39.420 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.9	61.9
76	14.1	0.0	32.8





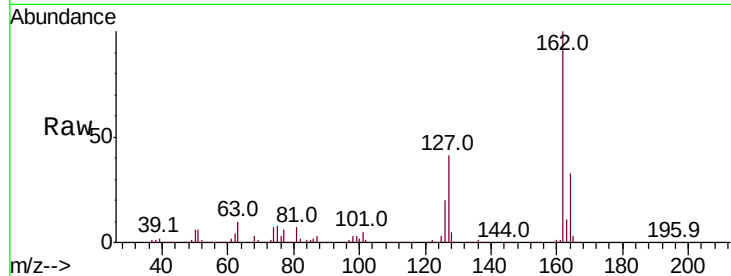
#47
 2-Chloronaphthalene
 Concen: 37.651 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

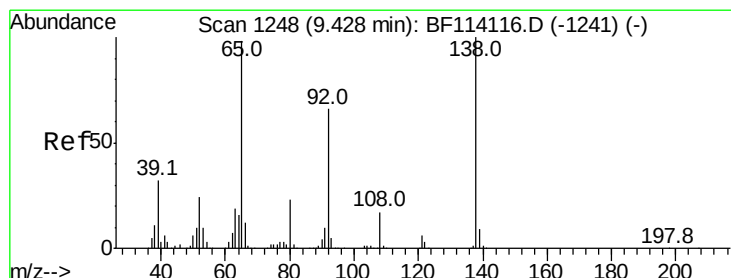
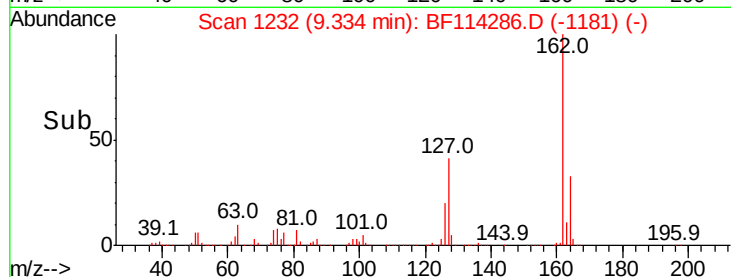
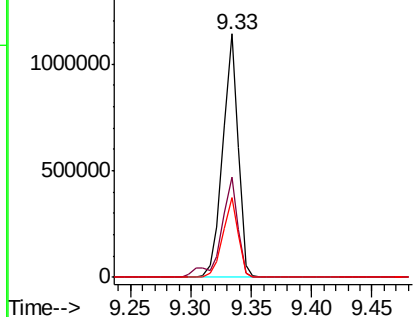
Tot Ion	Ratio	Resp	Lower	Upper
162	100	996106		
127	41.0		34.0	51.0
164	32.9		26.7	40.1

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:00 AM

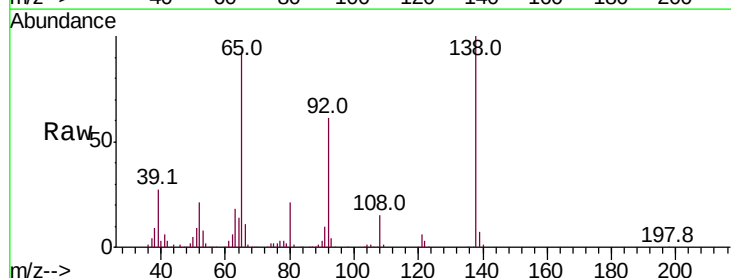


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

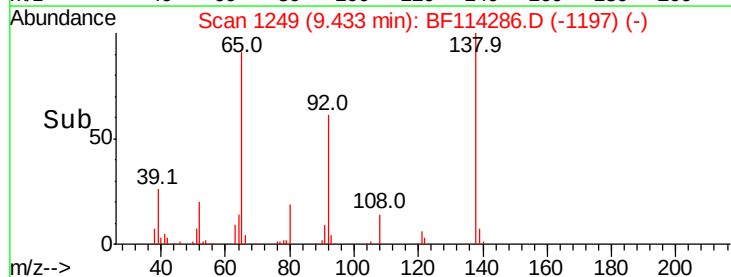
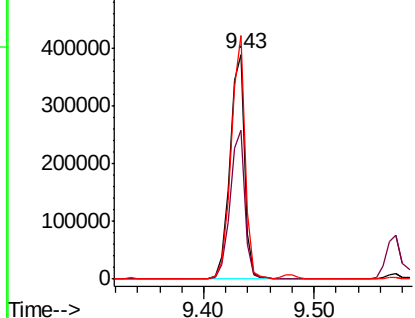


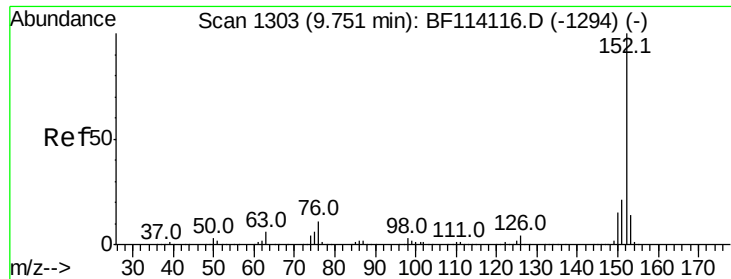
#48
 2-Nitroaniline
 Concen: 38.893 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	364923		
92	66.4		53.9	80.9
138	108.4		81.4	122.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 39.805 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:152 Resp: 1601678

Ion Ratio Lower Upper

152 100

151 20.8 16.8 25.2

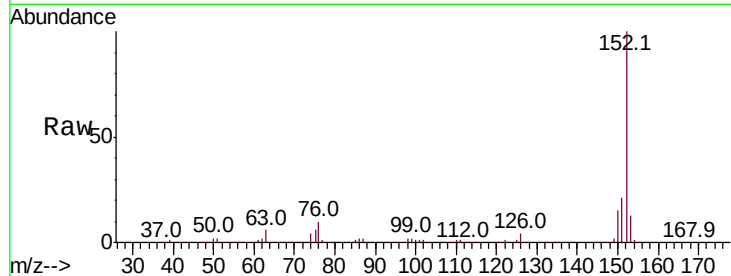
153 13.4 11.4 17.2

Manual Integrations

APPROVED

mohammad

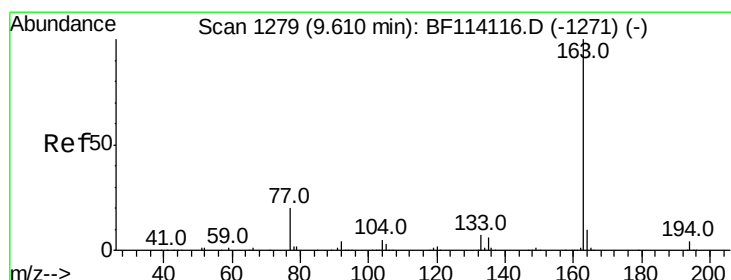
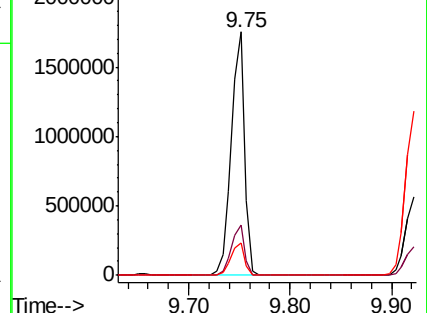
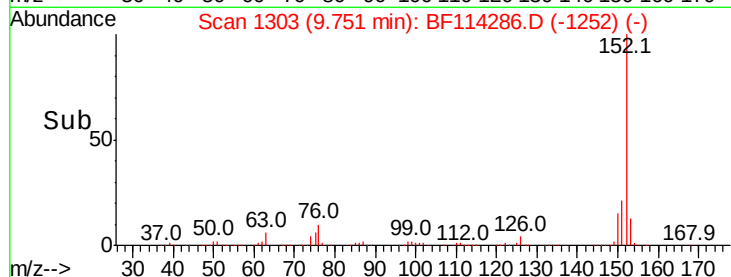
5/16/2019 9:51:00 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 48.994 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

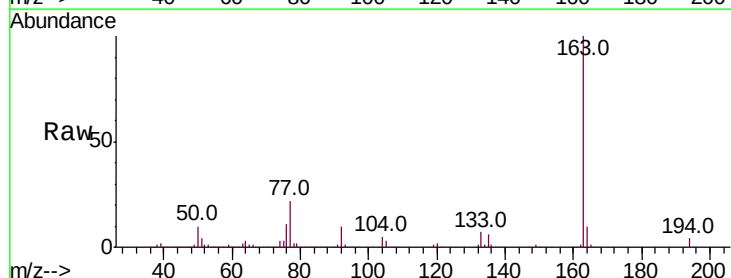
Tgt Ion:163 Resp: 1463527

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

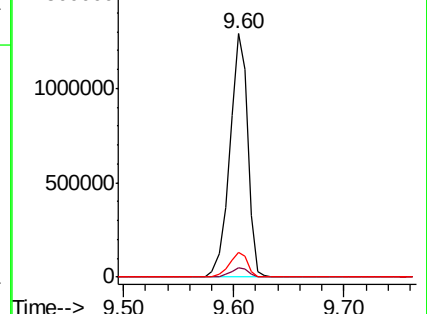
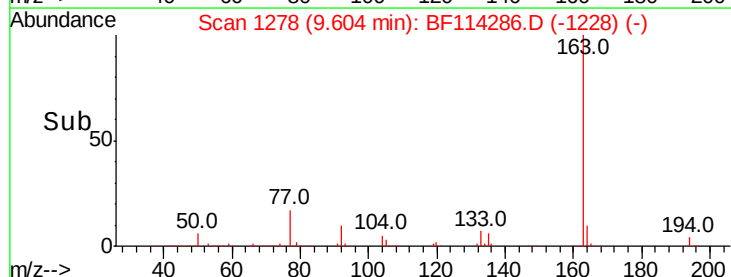
164 10.3 8.2 12.2

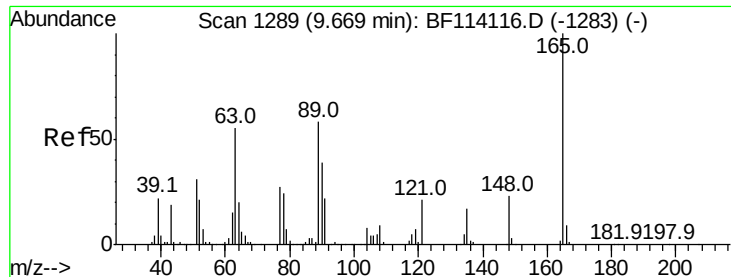


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 40.873 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

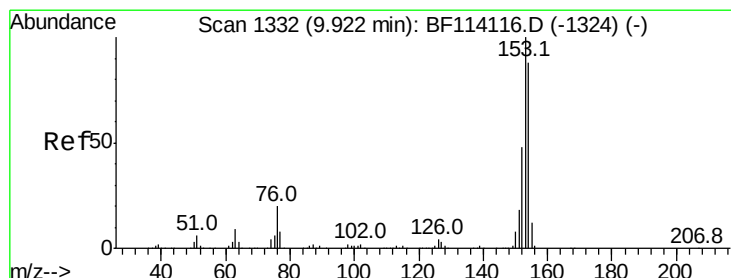
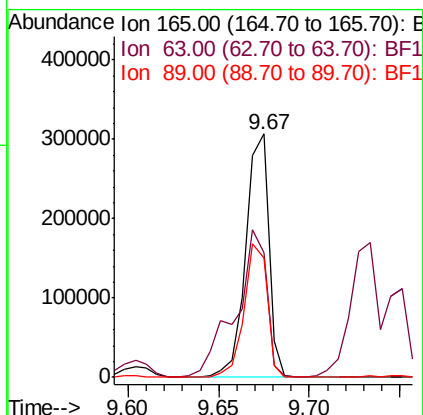
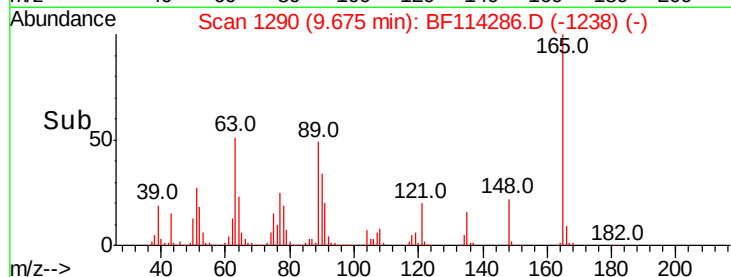
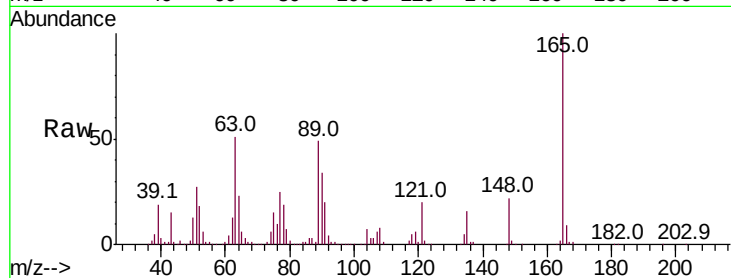
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	165	Resp:	270807
Ion Ratio	Lower	Upper	
165	100		
63	51.0	50.2	75.4
89	49.3	46.6	69.8

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



#52

Acenaphthene

Concen: 37.272 ng

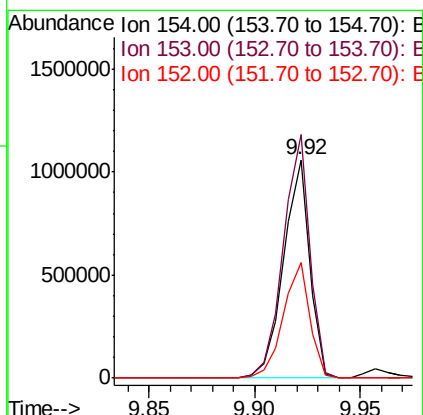
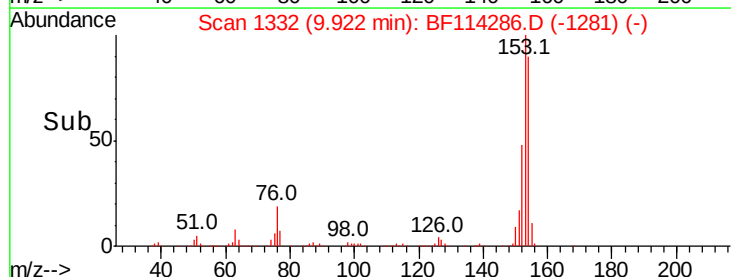
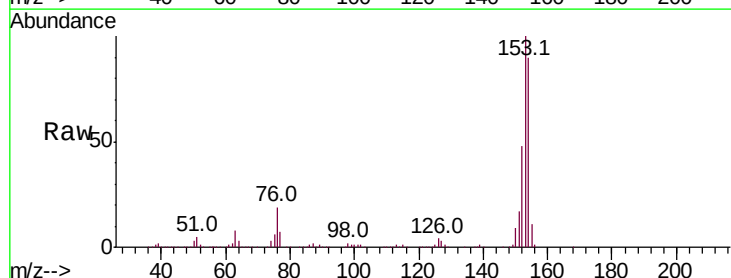
RT: 9.92 min Scan# 1332

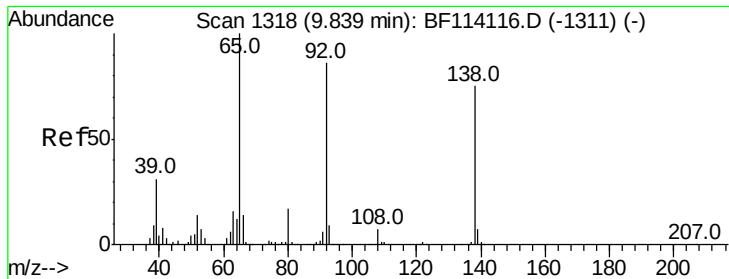
Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Tgt Ion:	154	Resp:	920327
Ion Ratio	Lower	Upper	
154	100		
153	111.7	90.5	135.7
152	53.2	43.4	65.2





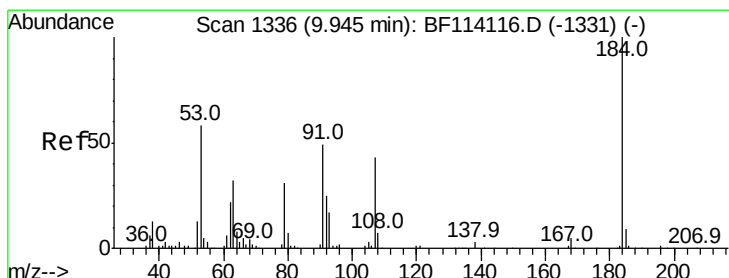
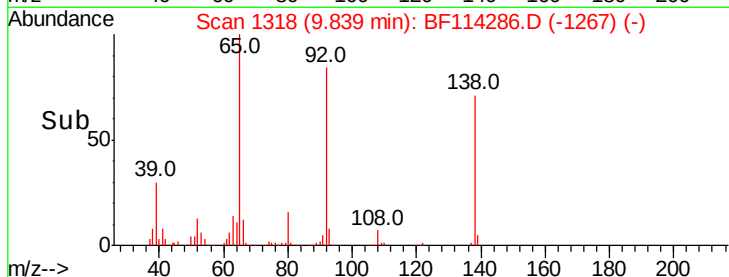
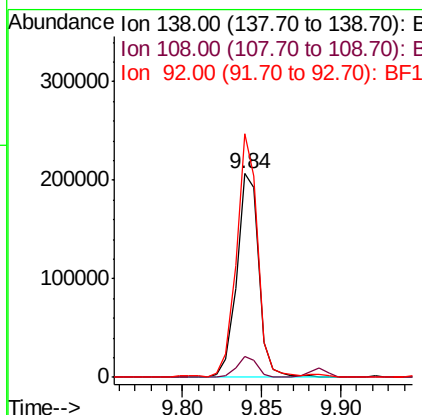
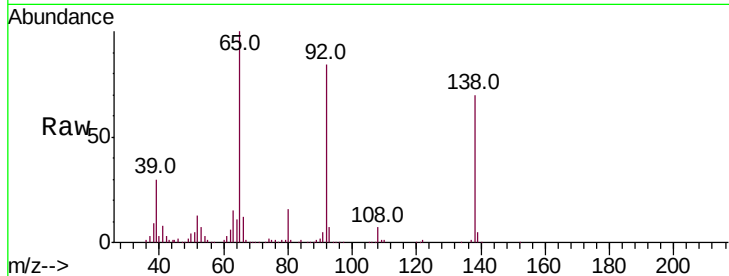
#53
3-Nitroaniline
Concen: 24.283 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.8	11.6
92	119.7	91.2	136.8

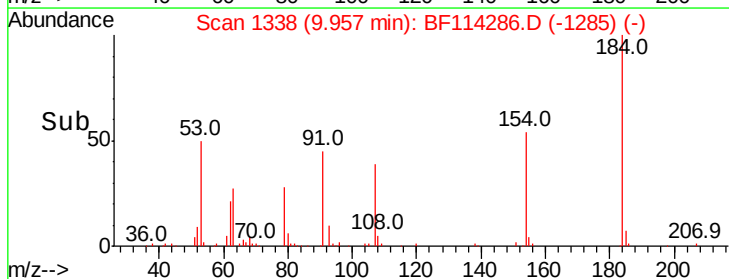
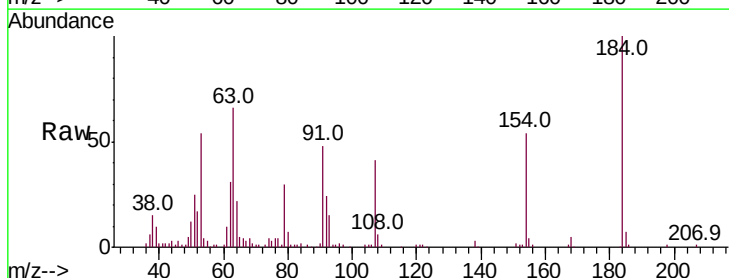
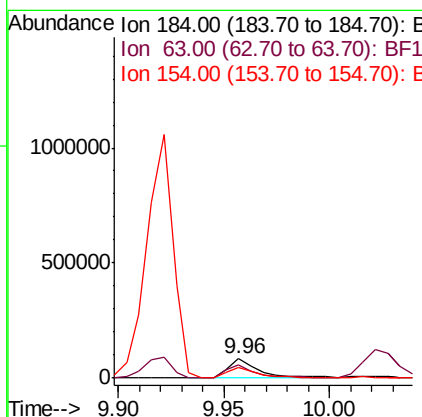
Manual Integrations
APPROVED

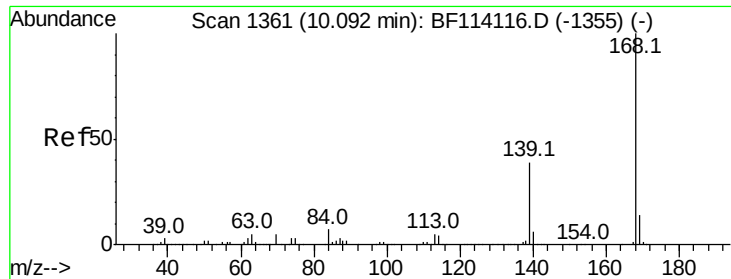
mohammad
5/16/2019 9:51:00 AM



#54
2,4-Dinitrophenol
Concen: 30.449 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	66.0	55.6	83.4
154	53.7	46.0	69.0





#55

Dibenzofuran

Concen: 38.349 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:168 Resp: 1388496

Ion Ratio Lower Upper

168 100

139 37.6 31.1 46.7

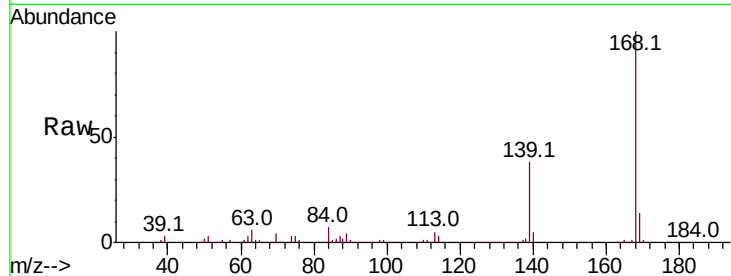
169 13.9 11.4 17.0

Manual Integrations

APPROVED

mohammad

5/16/2019 9:51:00 AM

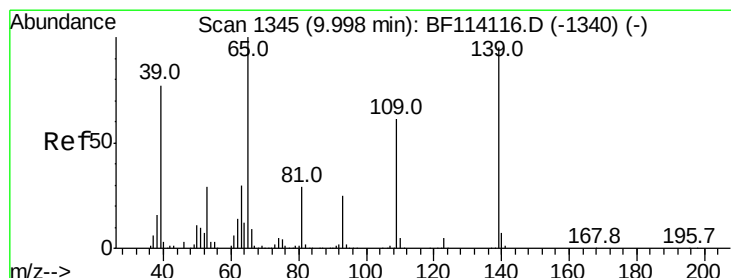
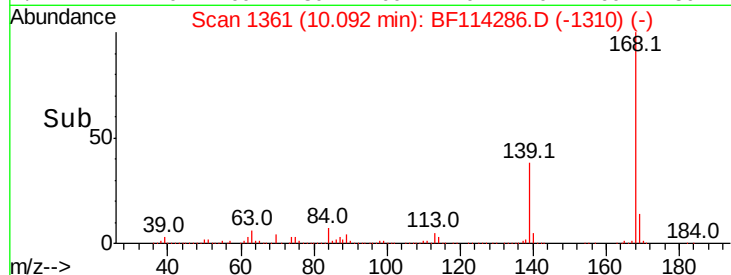
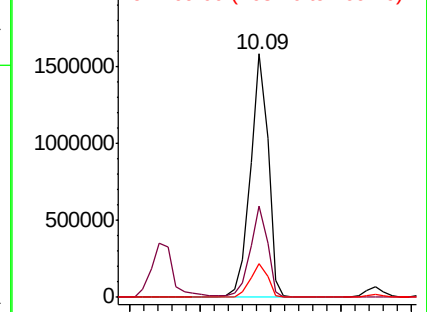


Abundance

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: 67.107 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.02 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

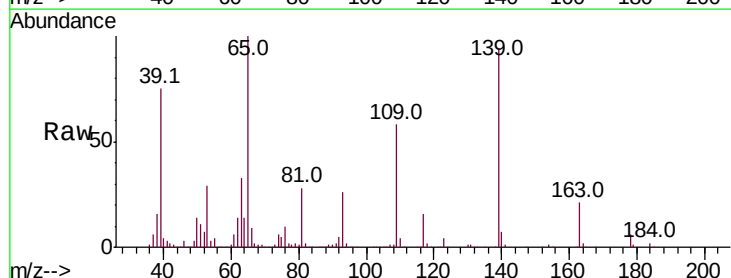
Tgt Ion:139 Resp: 390315

Ion Ratio Lower Upper

139 100

109 61.6 43.9 83.9

65 106.2 85.7 125.7

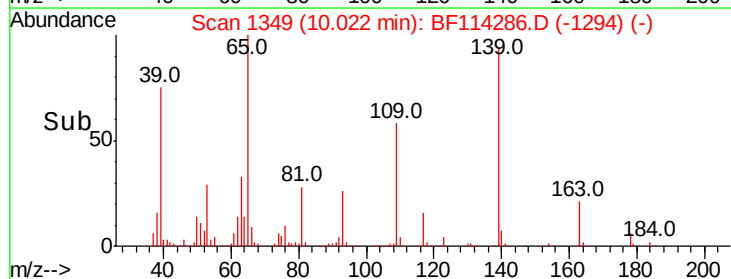
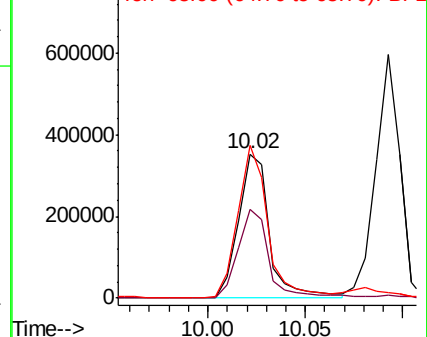


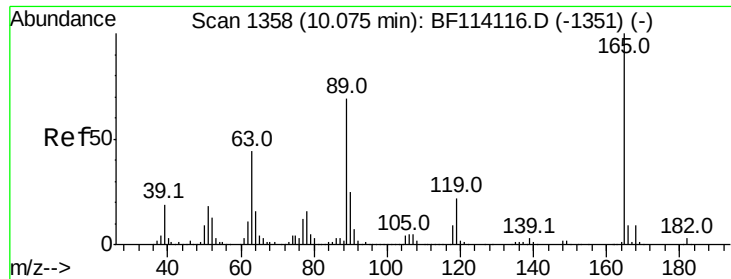
Abundance

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





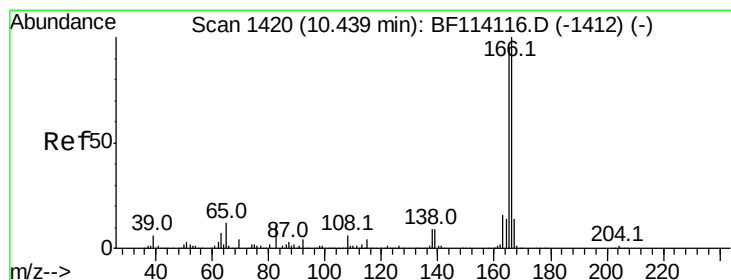
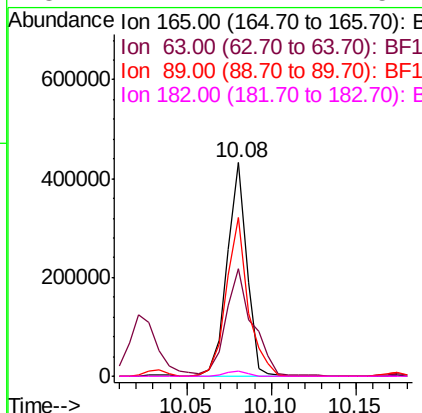
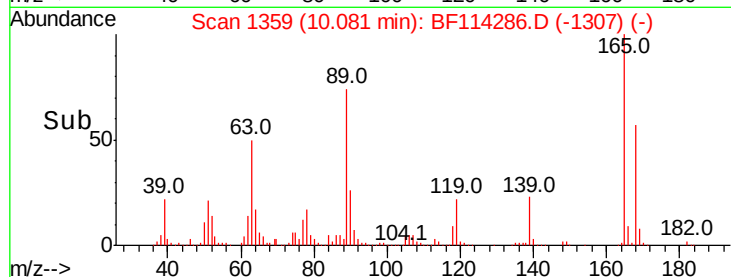
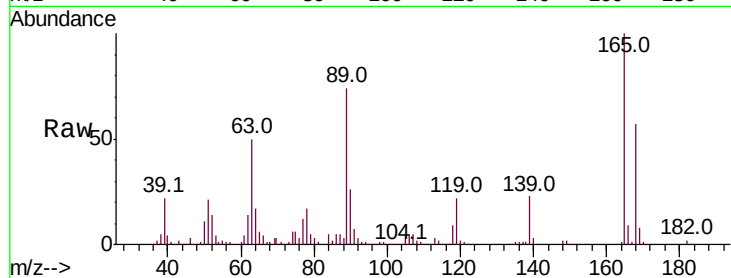
#57
2,4-Dinitrotoluene
Concen: 38.923 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	50.4	35.5	53.3
89	74.2	55.2	82.8
182	2.4	2.2	3.2

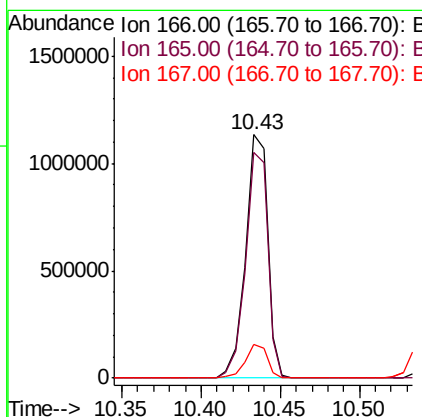
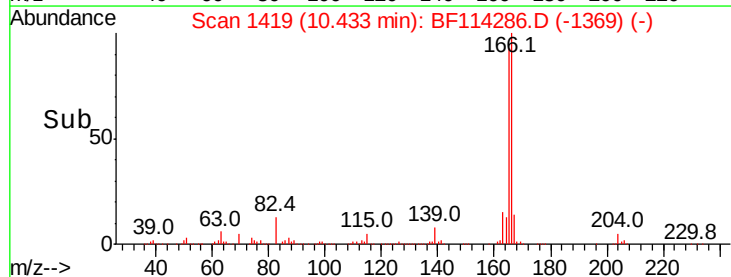
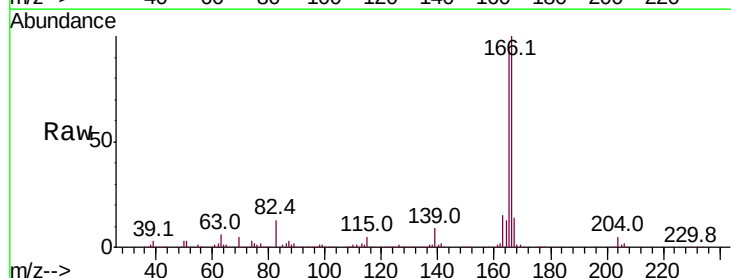
Manual Integrations
APPROVED

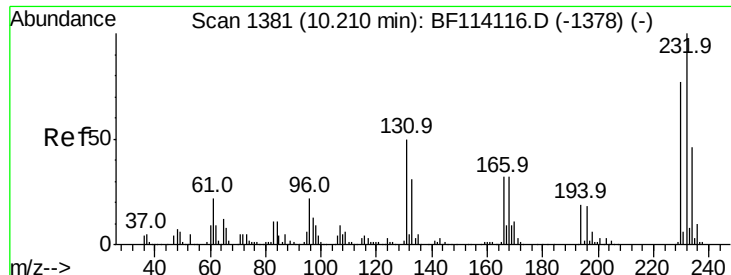
mohammad
5/16/2019 9:51:00 AM



#58
Fluorene
Concen: 39.182 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.7	76.1	114.1
167	13.7	11.1	16.7





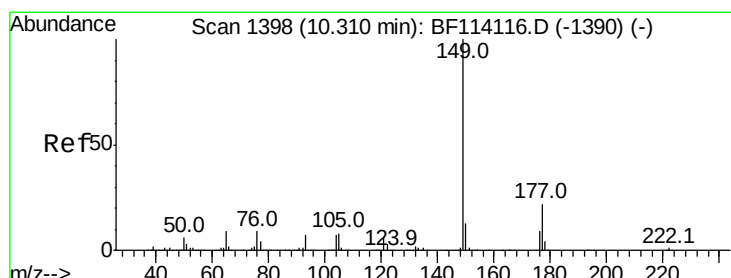
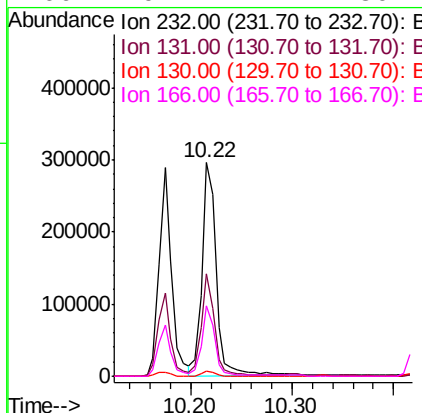
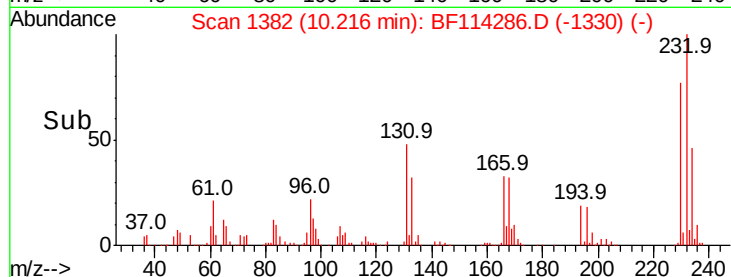
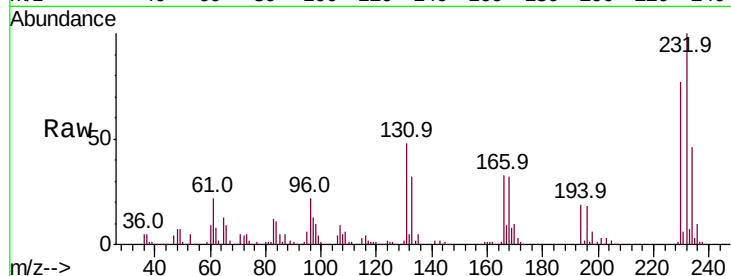
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.655 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	290010		
131	43.0		35.6	53.4
130	2.2		1.6	2.4
166	29.4		24.1	36.1

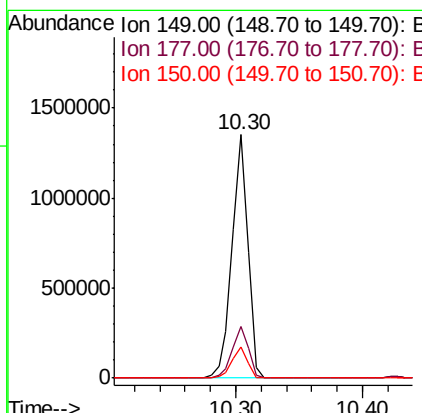
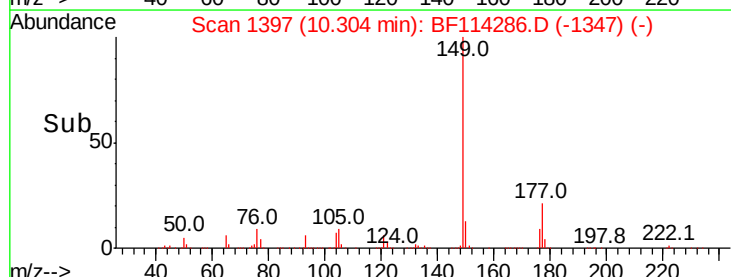
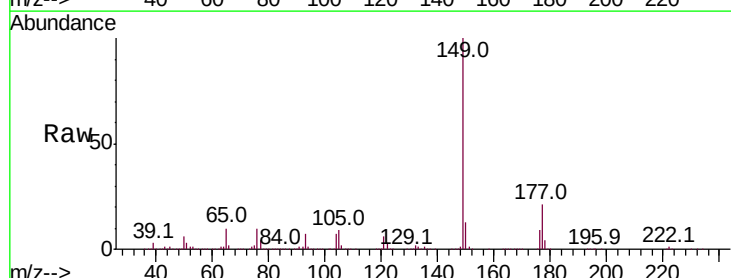
Manual Integrations
APPROVED

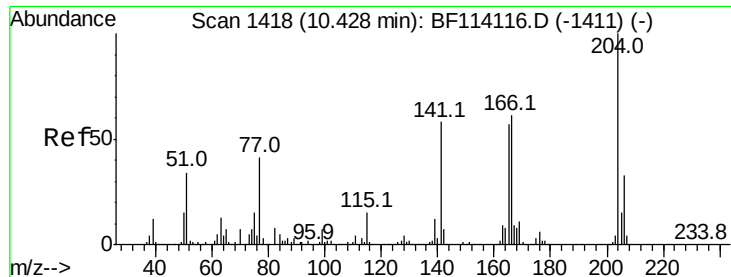
mohammad
5/16/2019 9:51:00 AM



#60
Diethylphthalate
Concen: 38.274 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1161684		
177	21.4		17.8	26.6
150	12.6		10.2	15.2





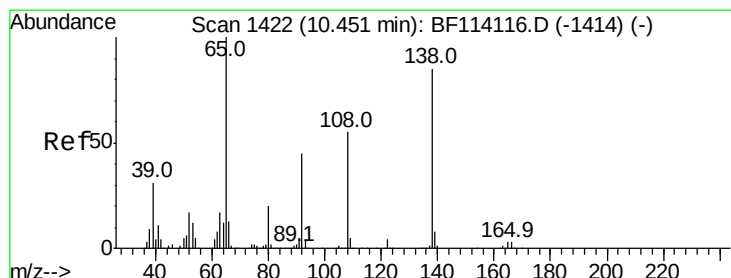
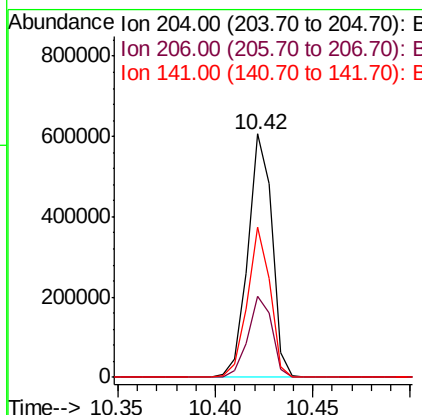
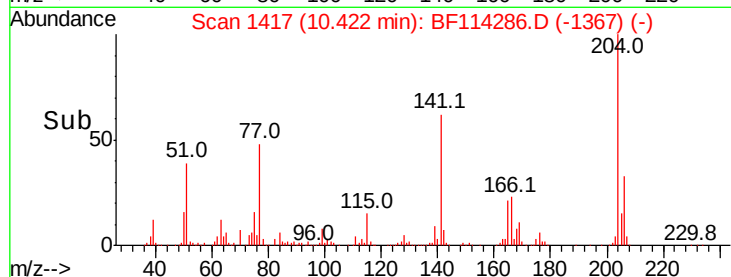
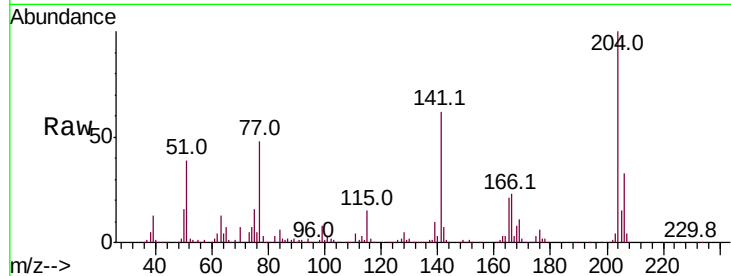
#61
4-Chlorophenyl-phenylether
Concen: 37.752 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	39.8
141	61.7	46.4	69.6

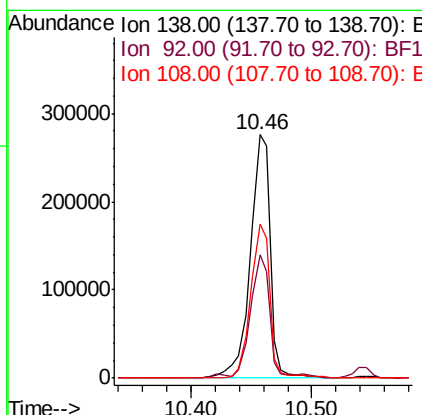
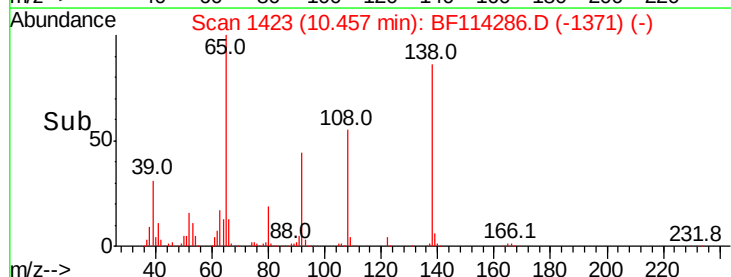
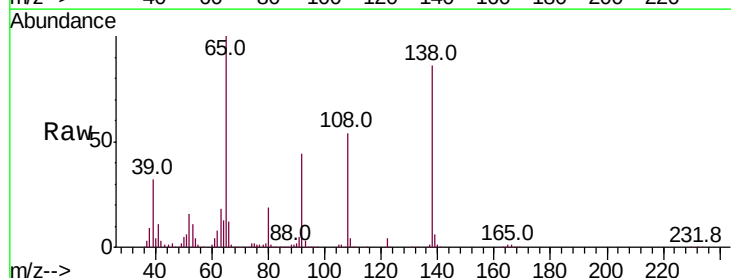
Manual Integrations
APPROVED

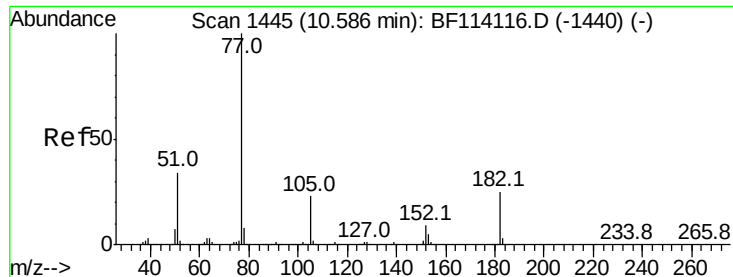
mohammad
5/16/2019 9:51:00 AM



#62
4-Nitroaniline
Concen: 37.151 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.8	33.0	73.0
108	63.5	44.9	84.9





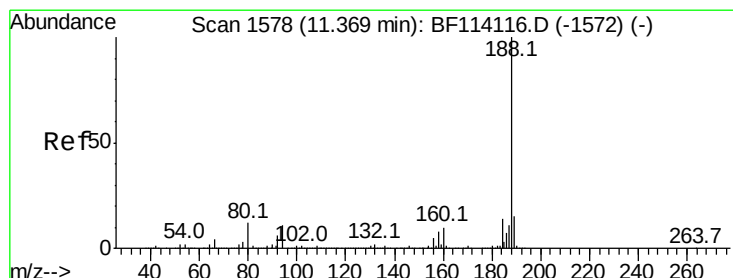
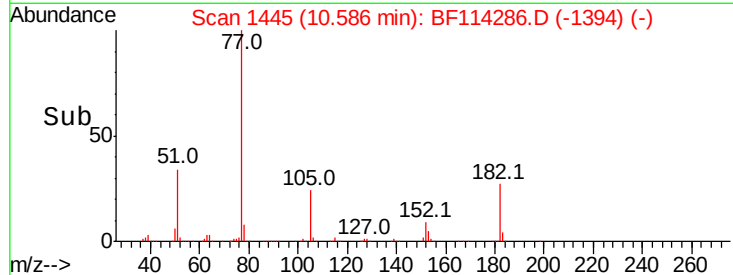
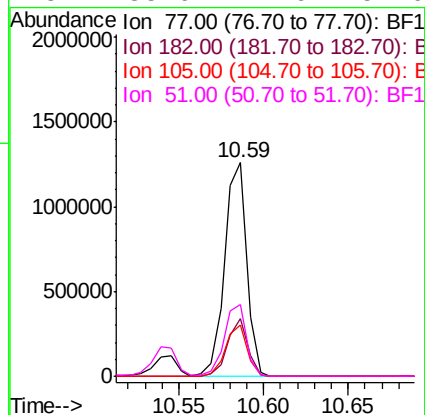
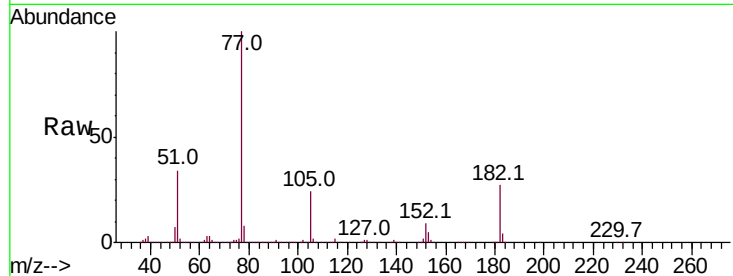
#63
Azobenzene
Concen: 39.112 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.7	4.7	44.7
105	24.0	2.9	42.9
51	33.6	14.6	54.6

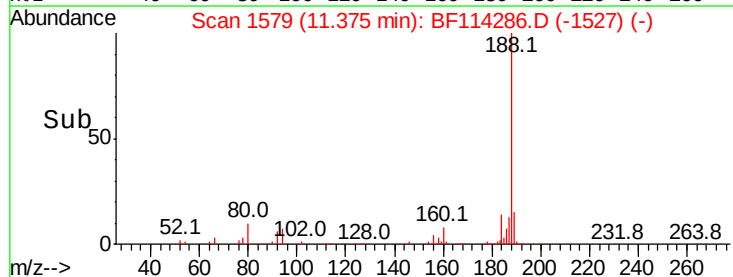
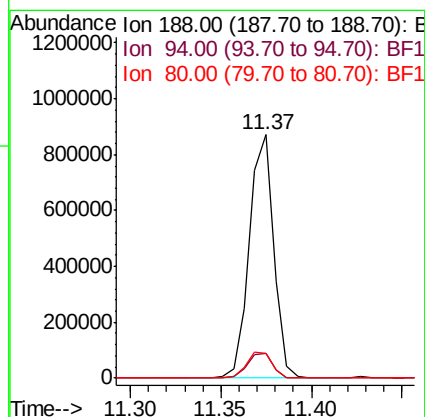
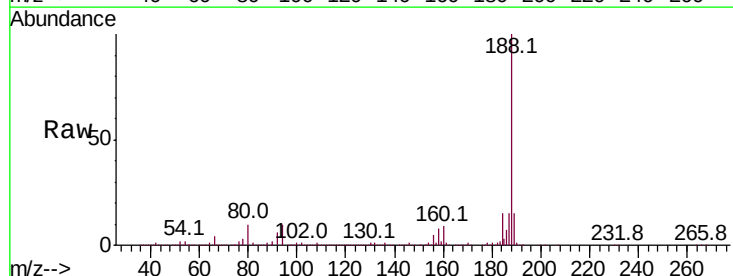
Manual Integrations
APPROVED

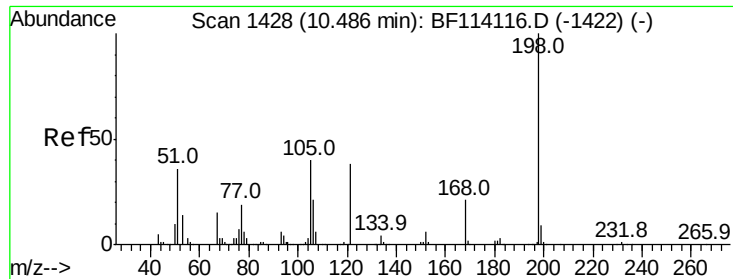
mohammad
5/16/2019 9:51:00 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	10.4	9.2	13.8





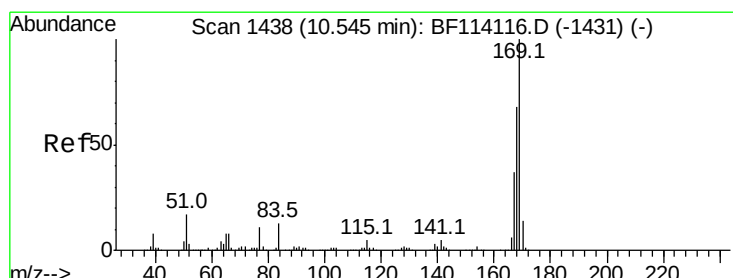
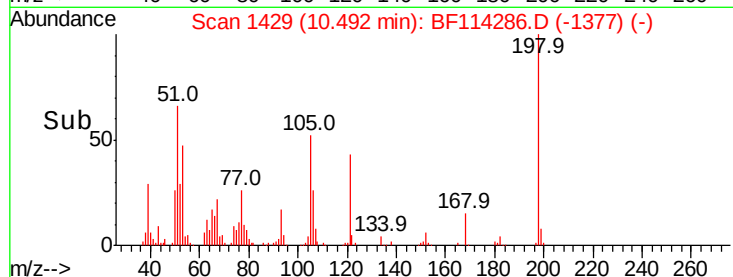
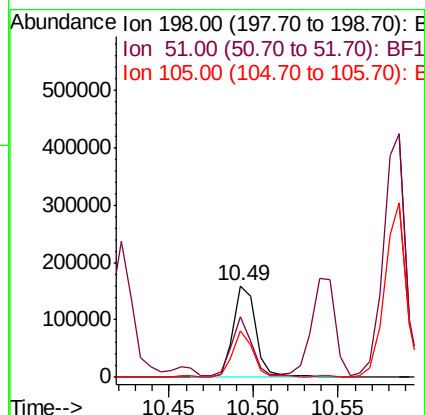
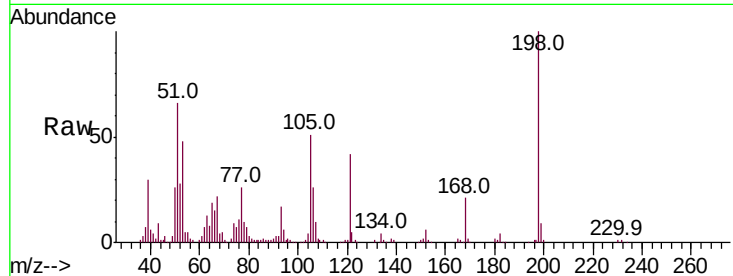
#65
4,6-Dinitro-2-methylphenol
Concen: 38.014 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	148935		
51	65.8	28.0	68.0	
105	51.2	21.1	61.1	

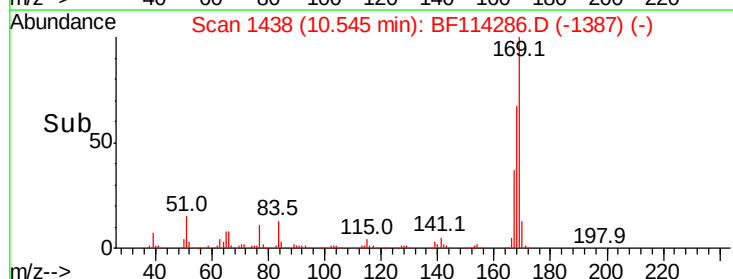
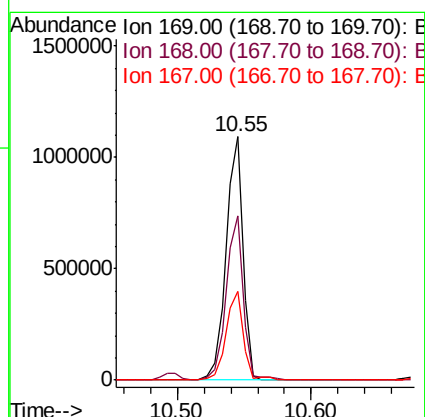
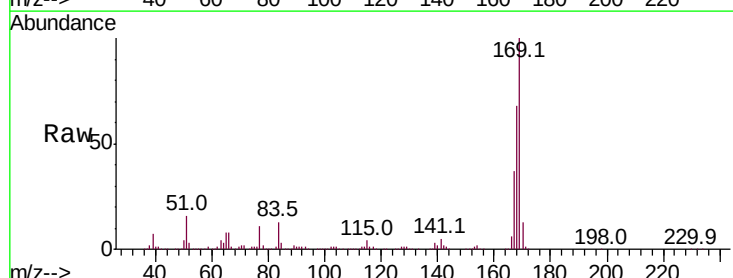
Manual Integrations
APPROVED

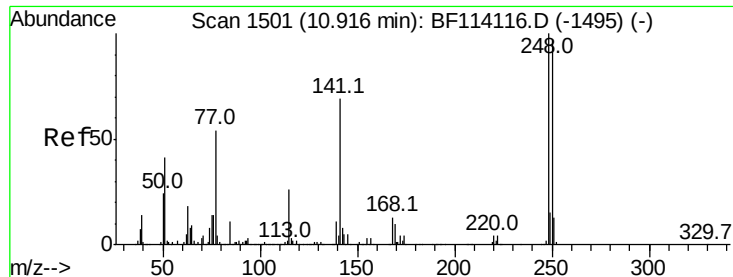
mohammad
5/16/2019 9:51:00 AM



#66
n-Nitrosodiphenylamine
Concen: 39.802 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	984957		
168	67.5	54.2	81.2	
167	36.6	29.8	44.8	





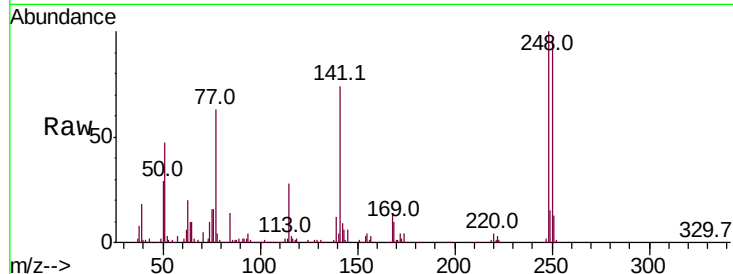
#67
4-Bromophenyl-phenylether
Concen: 37.022 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

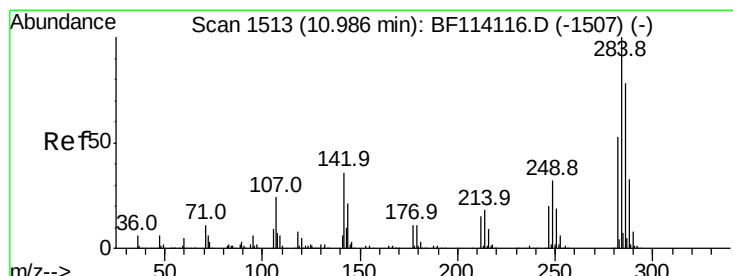
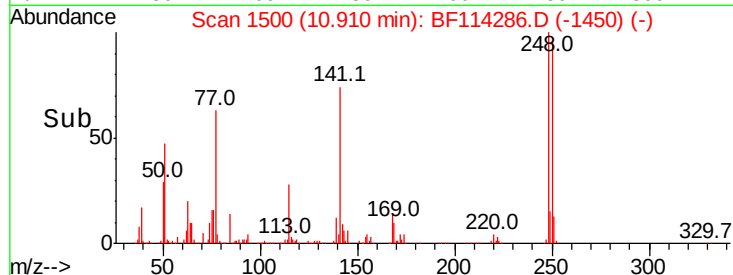
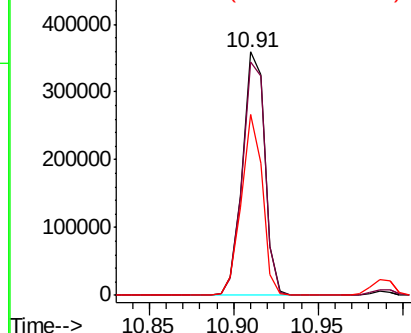
Tot Ion:	248	Resp:	332364
Ion Ratio	Lower	Upper	
248	100		
250	95.8	77.4	116.2
141	74.1	55.6	83.4

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM

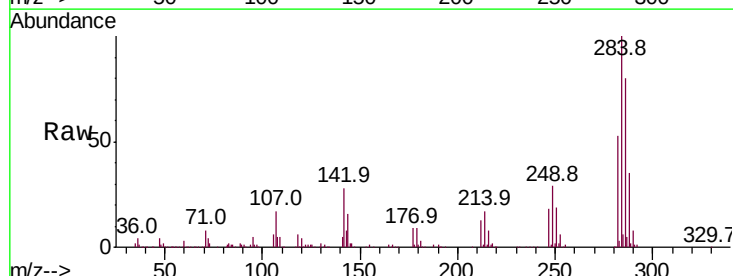


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

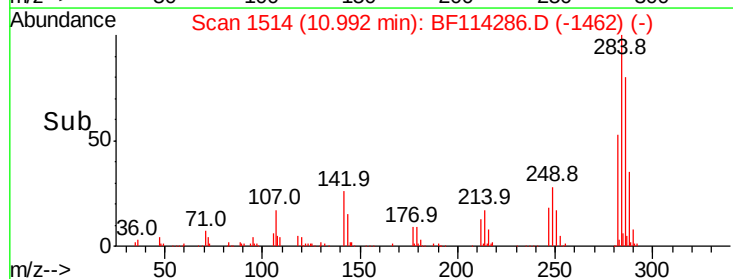
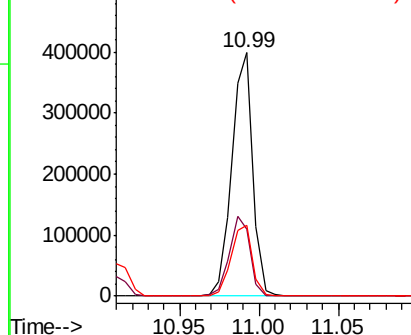


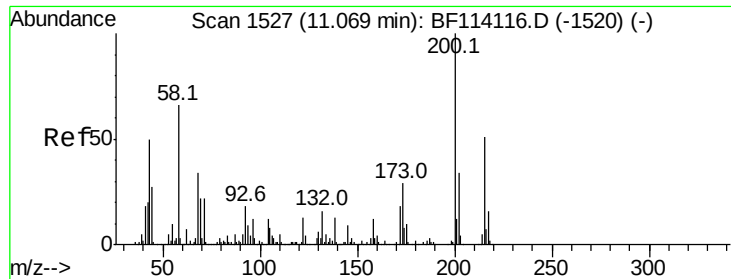
#68
Hexachlorobenzene
Concen: 36.676 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion:	284	Resp:	364245
Ion Ratio	Lower	Upper	
284	100		
142	27.7	28.4	42.6#
249	29.2	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





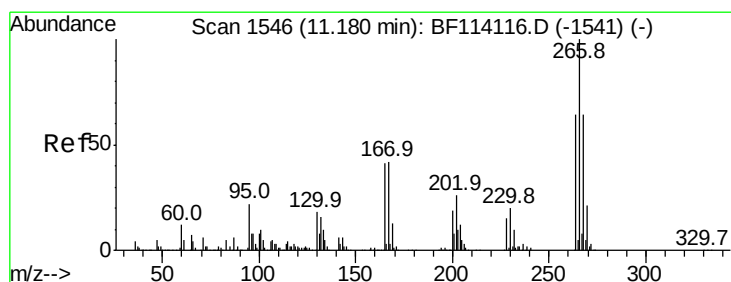
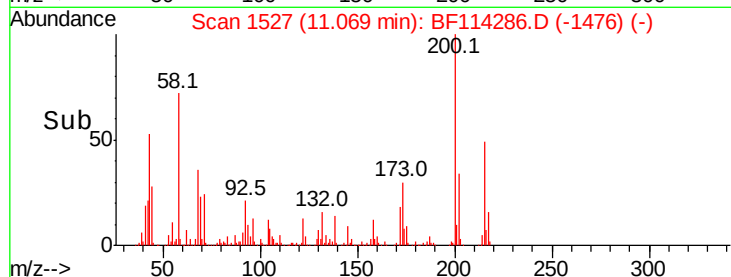
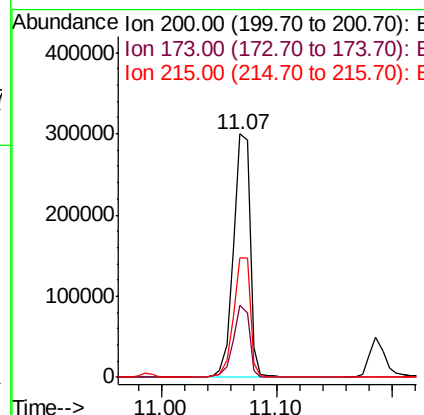
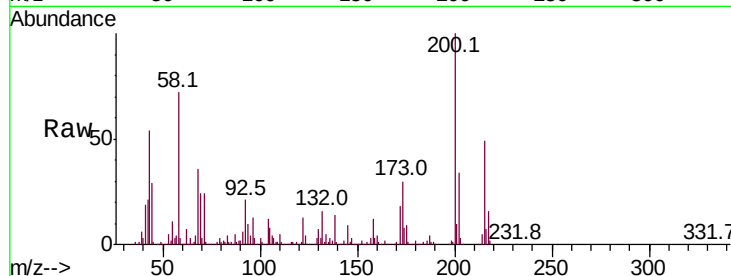
#69
Atrazine
Concen: 38.930 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	299796		
173	29.9	8.9	48.9	
215	49.2	30.7	70.7	

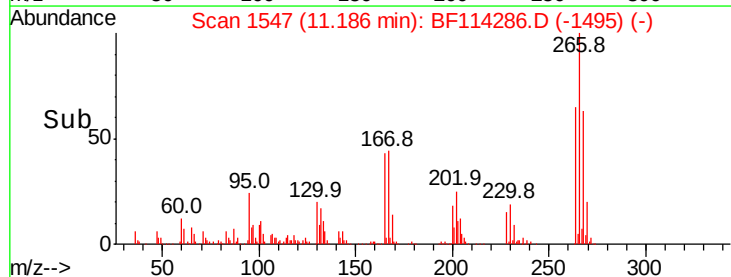
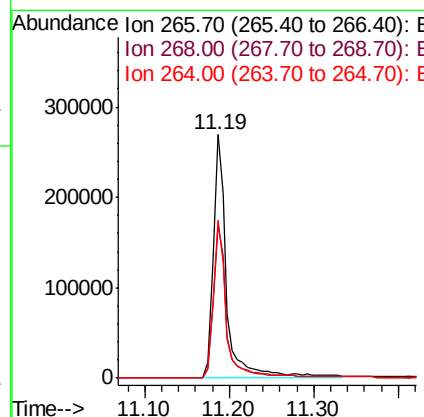
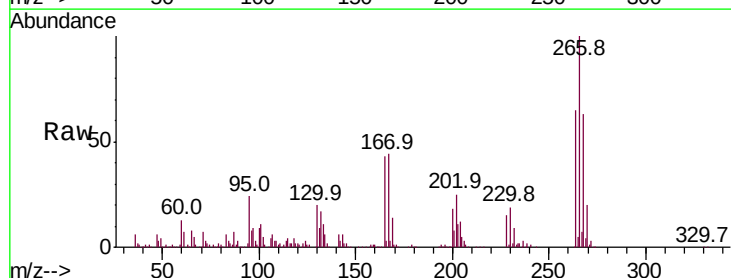
Manual Integrations
APPROVED

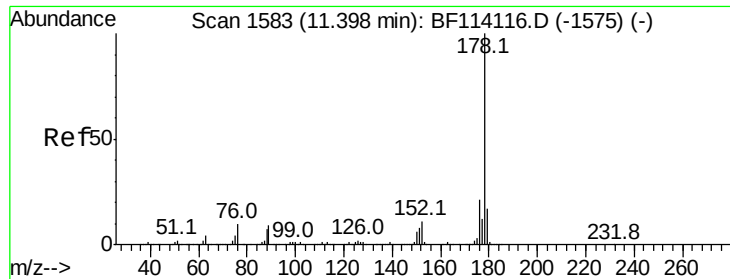
mohammad
5/16/2019 9:51:00 AM



#70
Pentachlorophenol
Concen: 64.691 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	304560		
268	62.6	51.1	76.7	
264	64.8	51.1	76.7	





#71

Phenanthrene

Concen: 39.429 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:178 Resp: 1564058

Ion Ratio Lower Upper

178 100

176 20.1 16.4 24.6

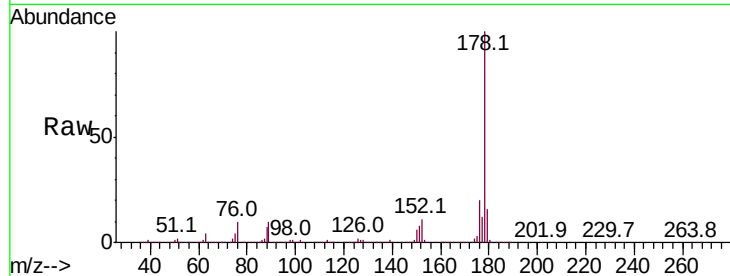
179 16.1 13.2 19.8

Manual Integrations

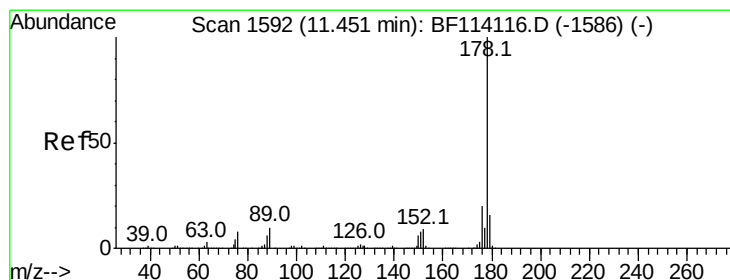
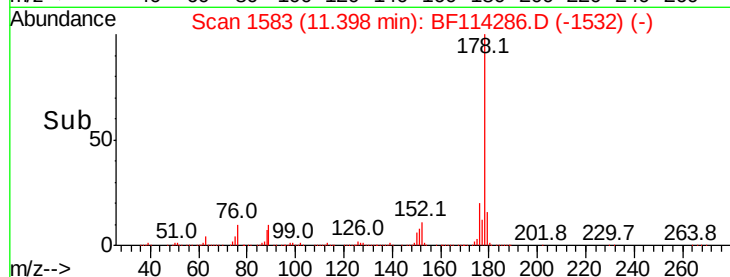
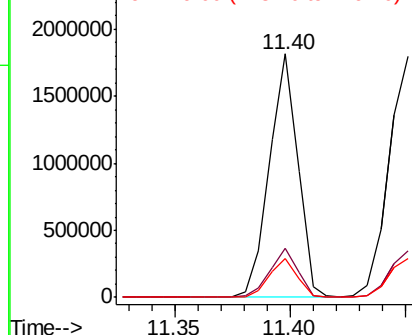
APPROVED

mohammad

5/16/2019 9:51:00 AM



Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.031 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

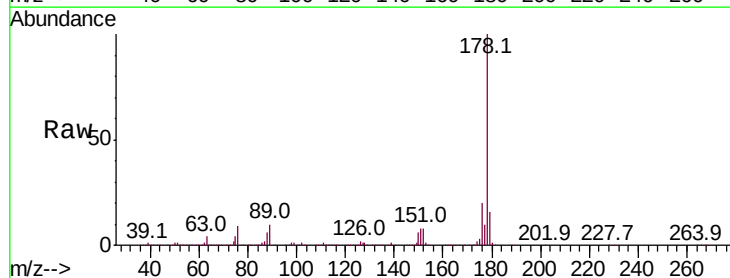
Tgt Ion:178 Resp: 1634801

Ion Ratio Lower Upper

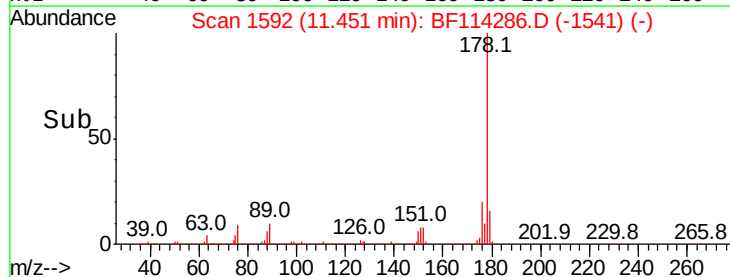
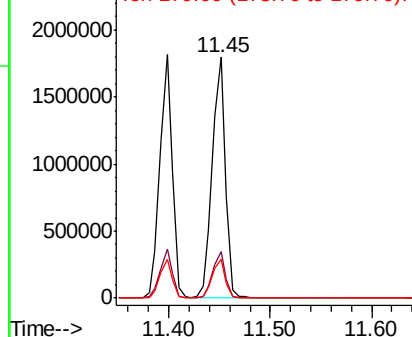
178 100

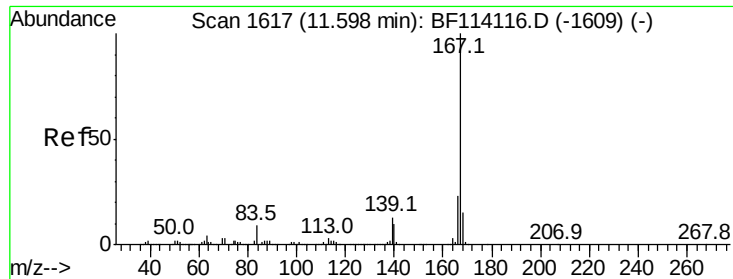
176 19.5 15.8 23.8

179 15.9 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





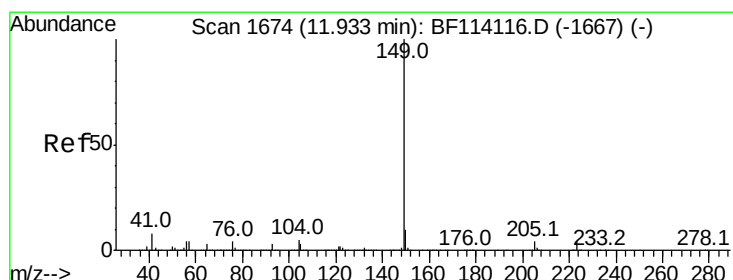
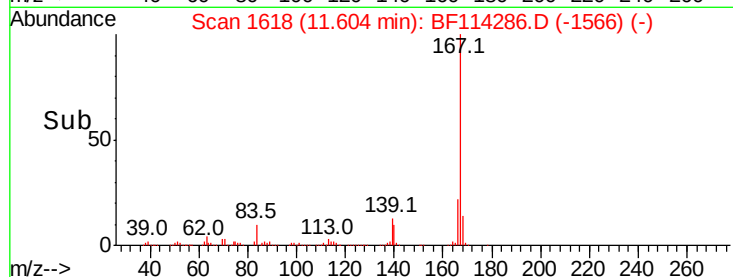
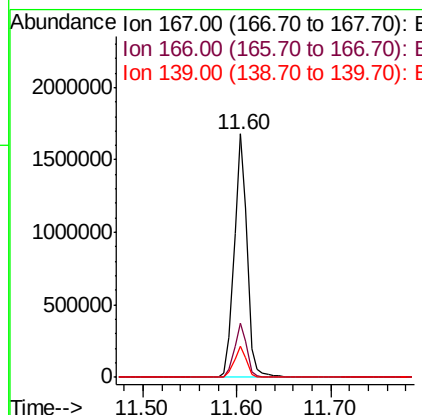
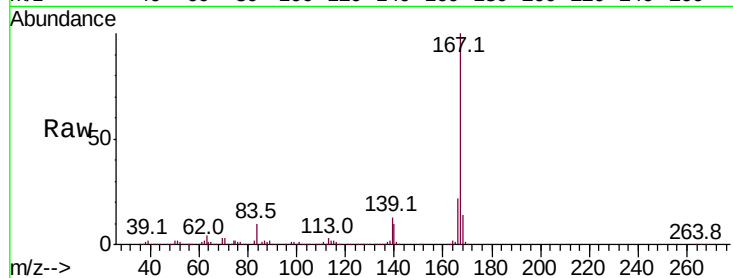
#73
 Carbazole
 Concen: 41.557 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.2	27.2
139	12.9	10.6	16.0

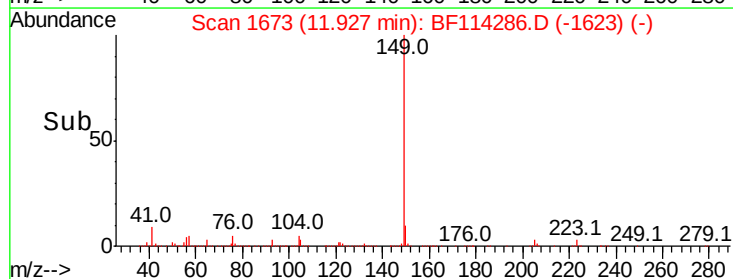
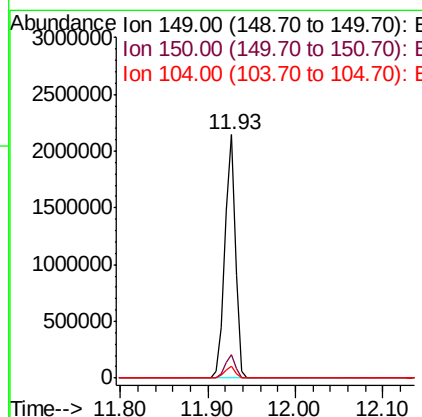
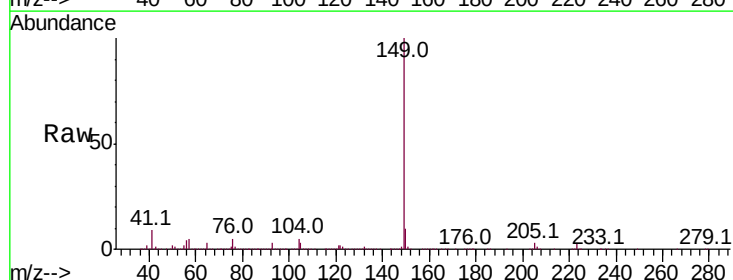
Manual Integrations
 APPROVED

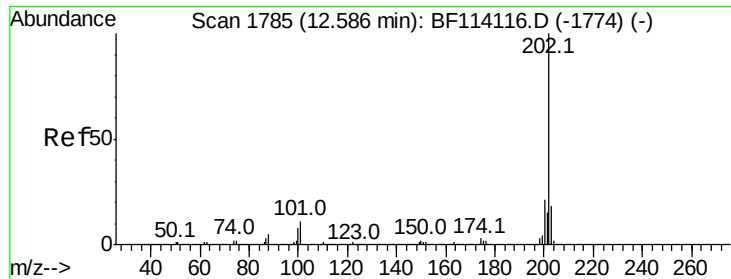
mohammad
 5/16/2019 9:51:00 AM



#74
 Di-n-butylphthalate
 Concen: 41.449 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	4.7	3.6	5.4





#75

Fluoranthene

Concen: 40.417 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

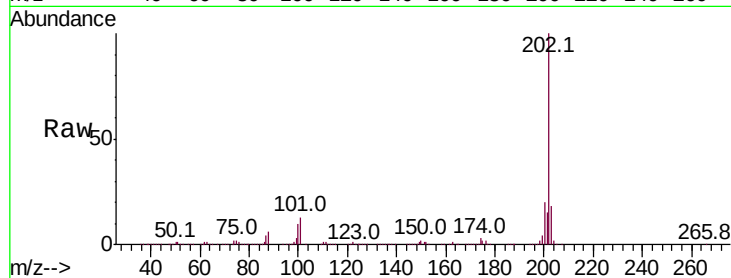
ClientSampleId :

SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.0
203	18.1	0.0	38.4

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM

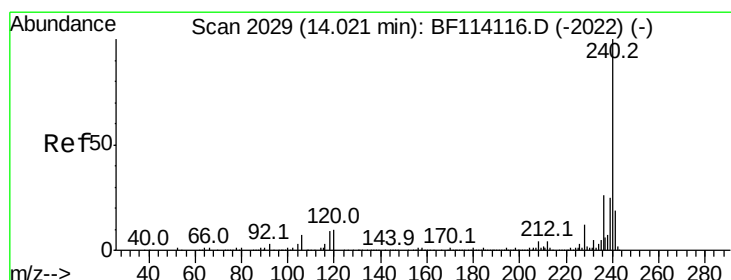
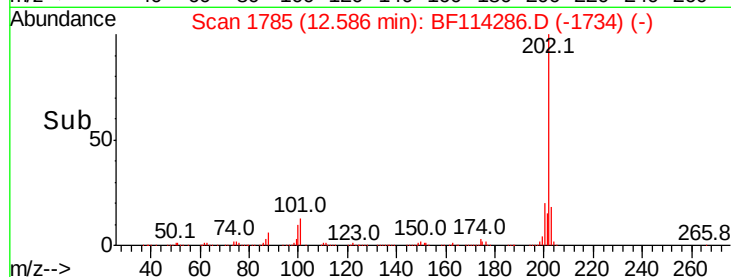
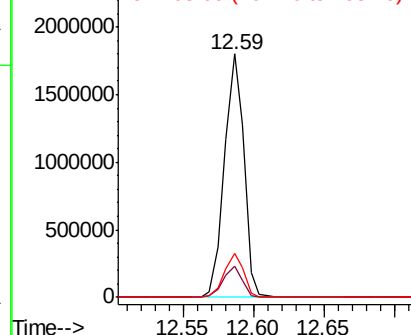


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

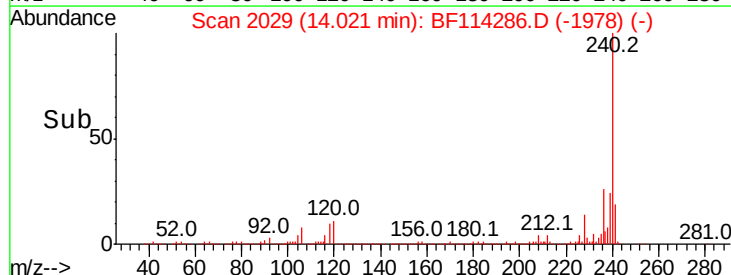
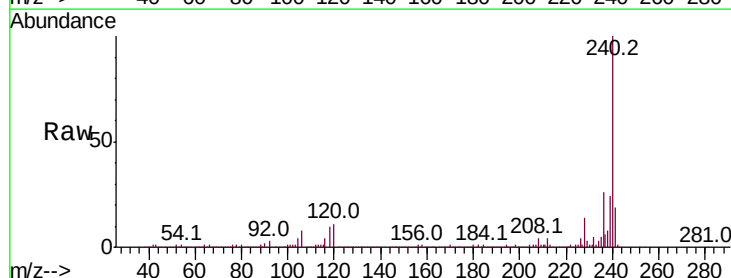
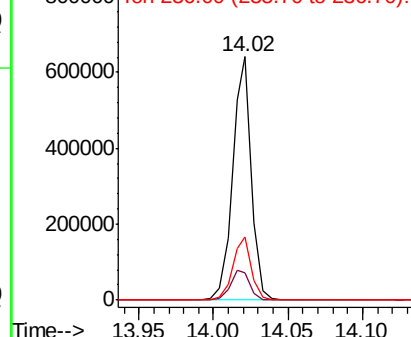
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	26.1	20.8	31.2

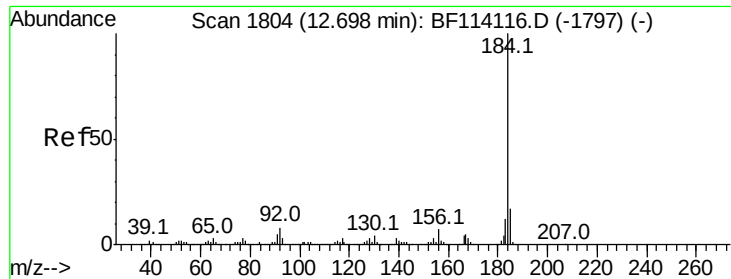
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





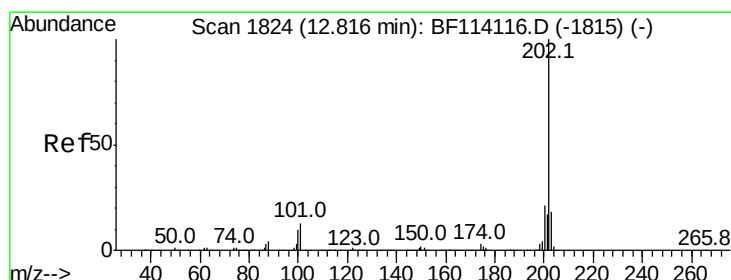
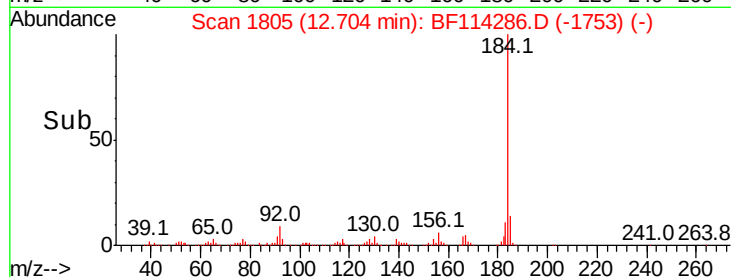
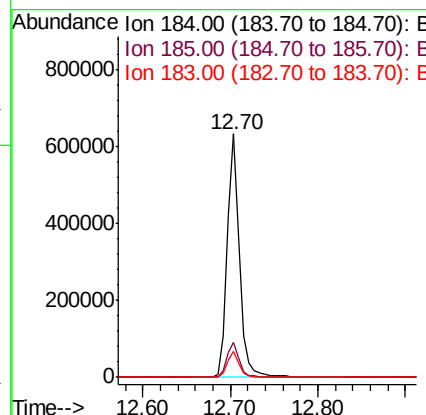
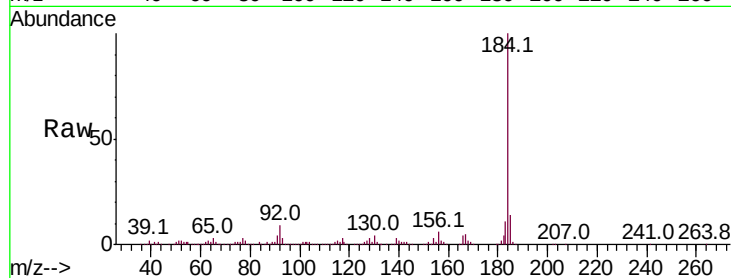
#77
Benzidine
Concen: 24.372 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.2	13.6	20.4
183	10.9	9.2	13.8

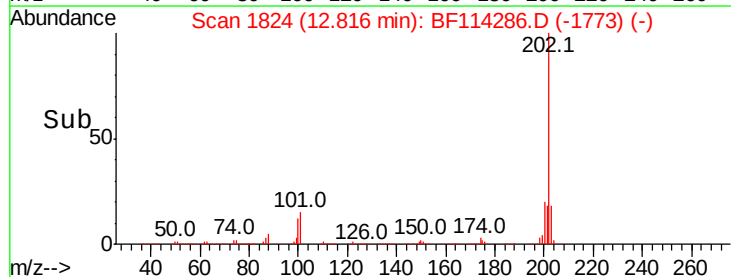
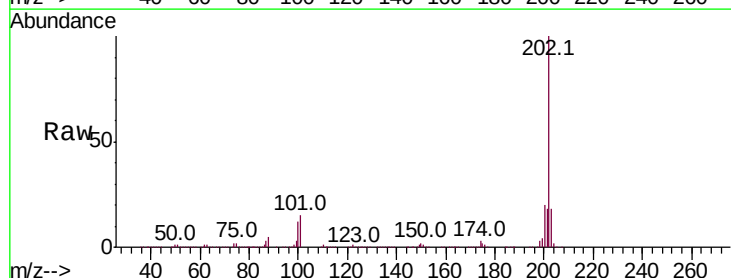
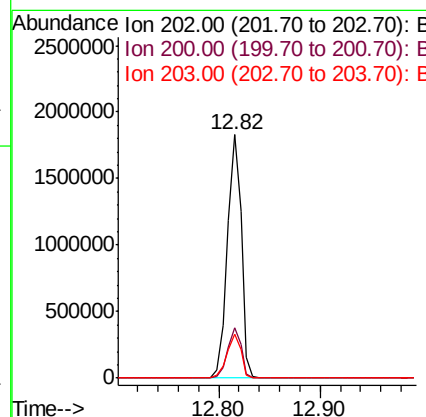
Manual Integrations
APPROVED

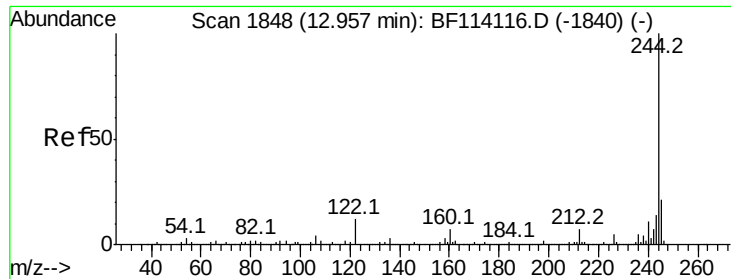
mohammad
5/16/2019 9:51:00 AM



#78
Pyrene
Concen: 38.350 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.2	14.5	21.7





#79

Terphenyl-d14

Concen: 63.565 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:244 Resp: 1747200

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

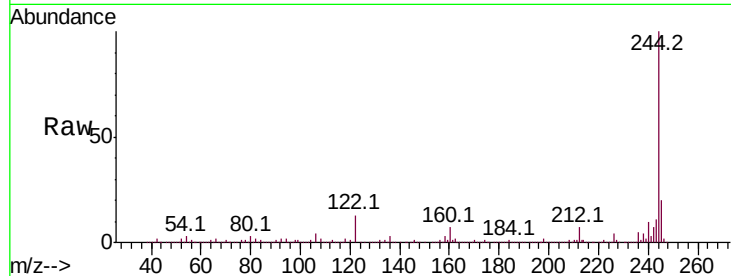
122 13.4 9.4 14.2

Manual Integrations

APPROVED

mohammad

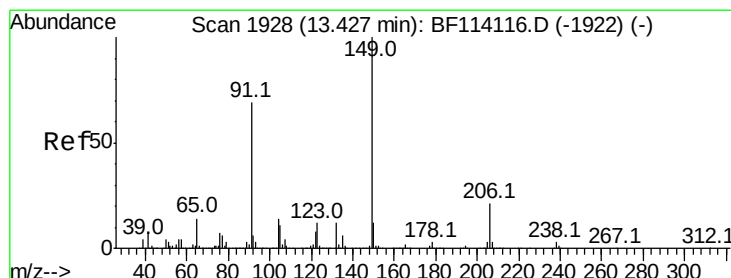
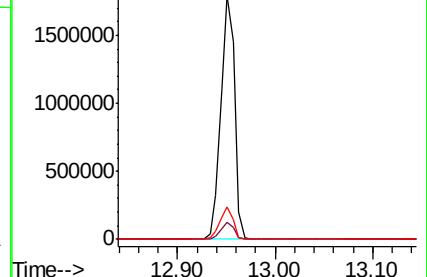
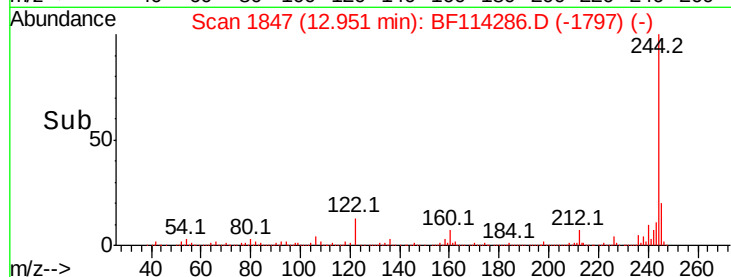
5/16/2019 9:51:00 AM



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: 42.039 ng

RT: 13.42 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

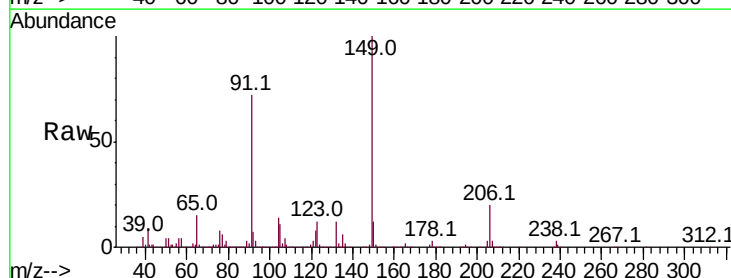
Tgt Ion:149 Resp: 806552

Ion Ratio Lower Upper

149 100

91 71.9 55.0 82.4

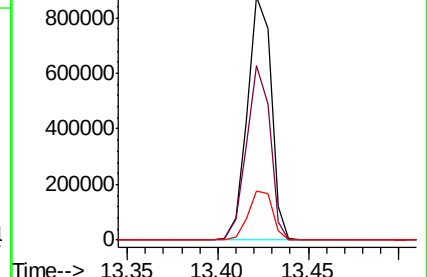
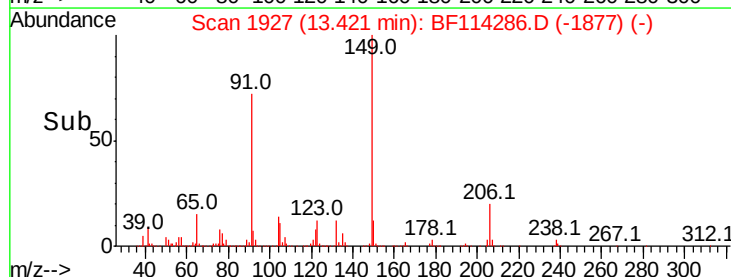
206 20.2 16.9 25.3

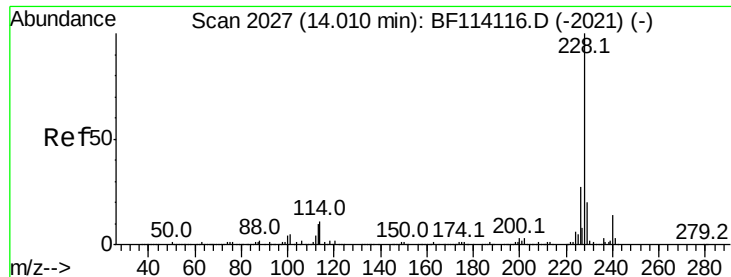


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





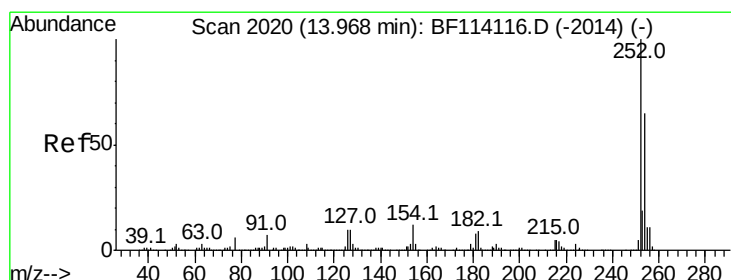
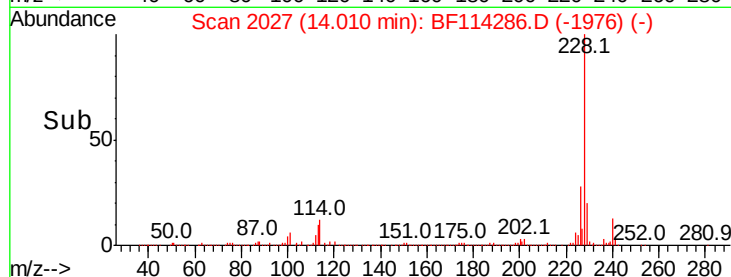
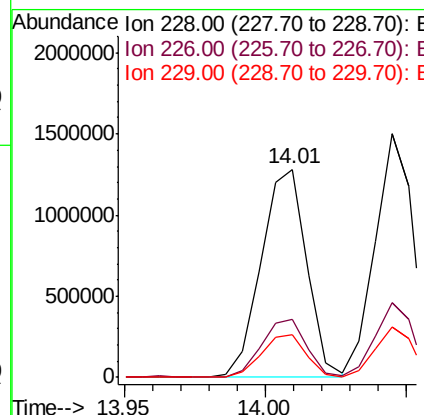
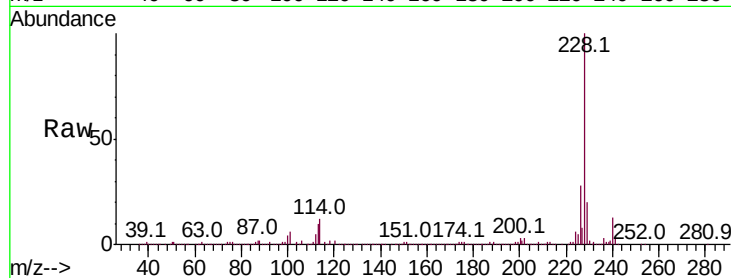
#81
Benzo(a)anthracene
Concen: 38.915 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	20.4	16.4	24.6

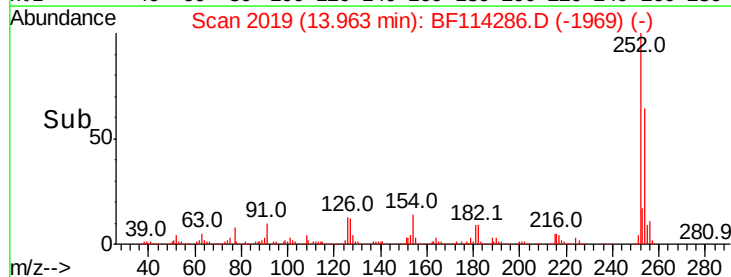
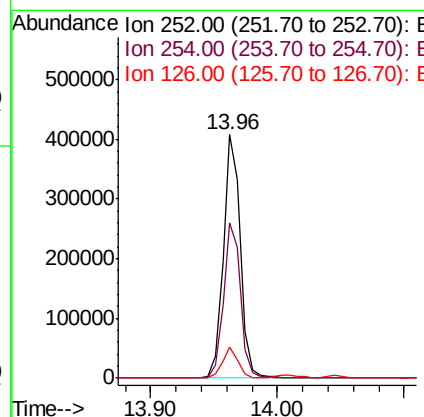
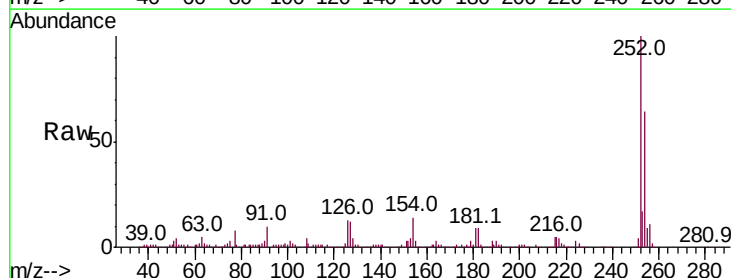
Manual Integrations
APPROVED

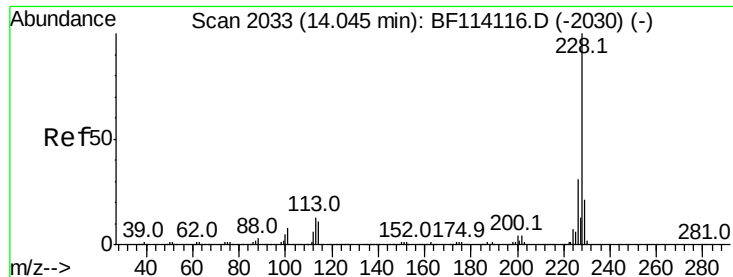
mohammad
5/16/2019 9:51:00 AM



#82
3,3'-Dichlorobenzidine
Concen: 26.942 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.9	77.9
126	12.9	7.9	11.9





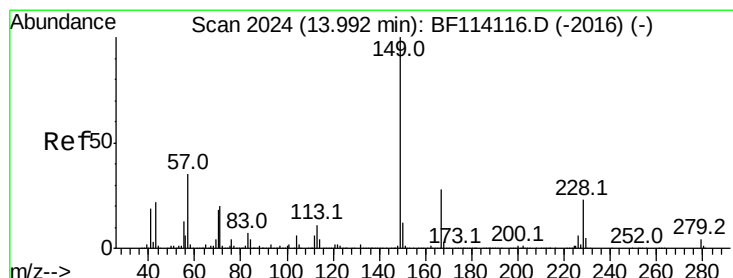
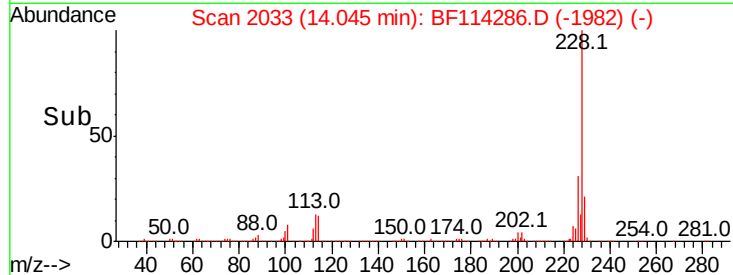
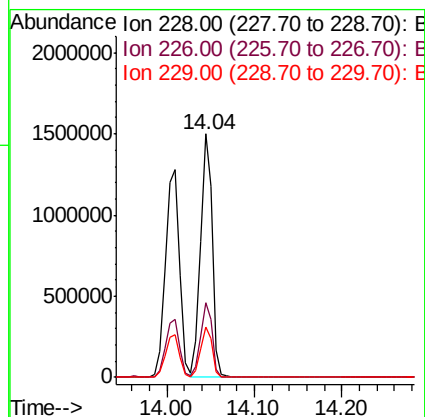
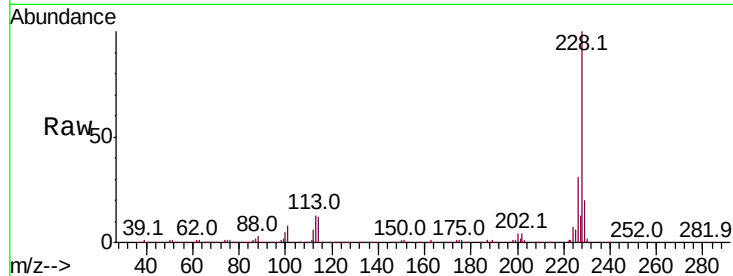
#83
 Chrysene
 Concen: 38.812 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.5	17.0	25.6

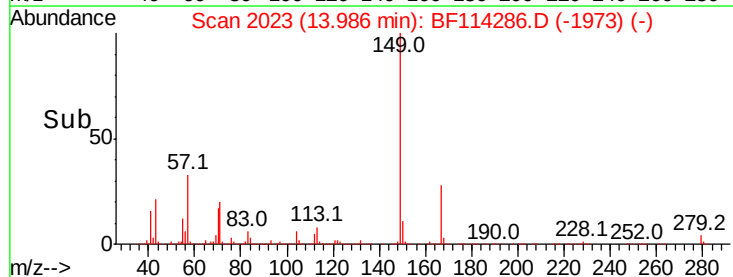
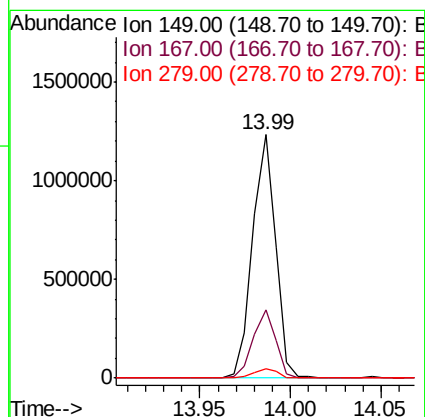
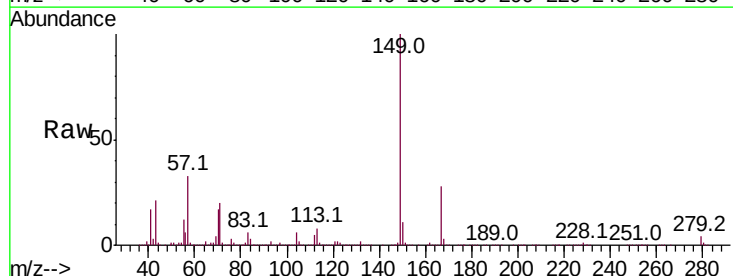
Manual Integrations
 APPROVED

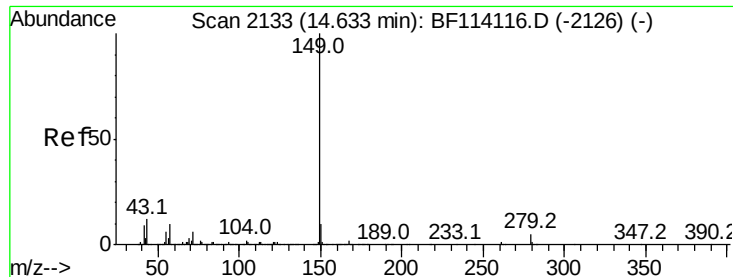
mohammad
 5/16/2019 9:51:00 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 43.327 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114286.D
 Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	3.9	3.0	4.6





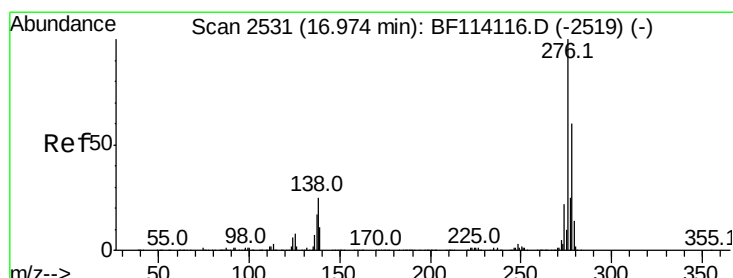
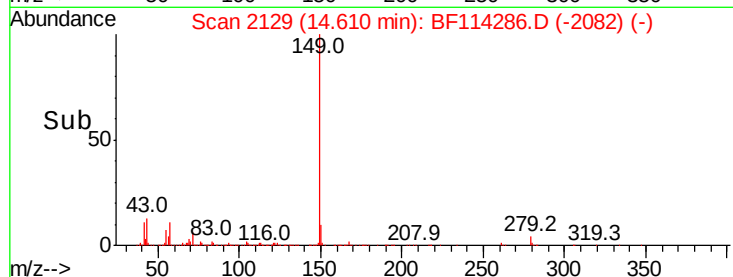
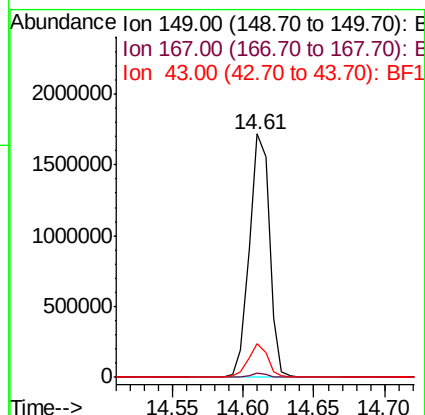
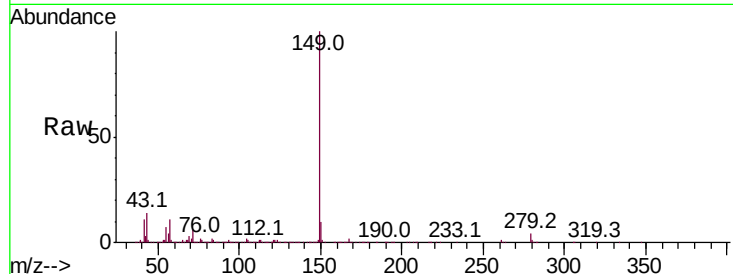
#85
Di-n-octyl phthalate
Concen: 42.258 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	10.1	15.1

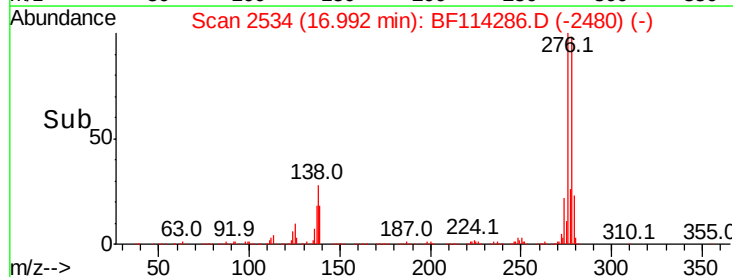
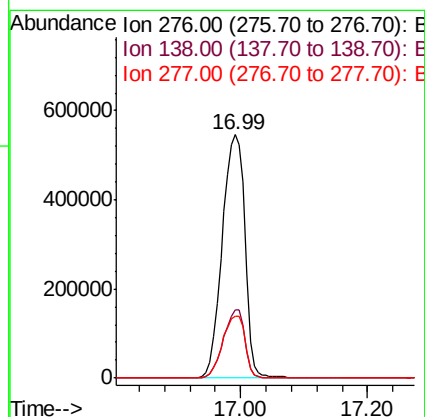
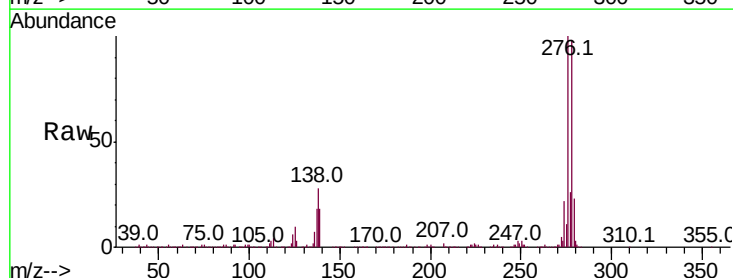
Manual Integrations
APPROVED

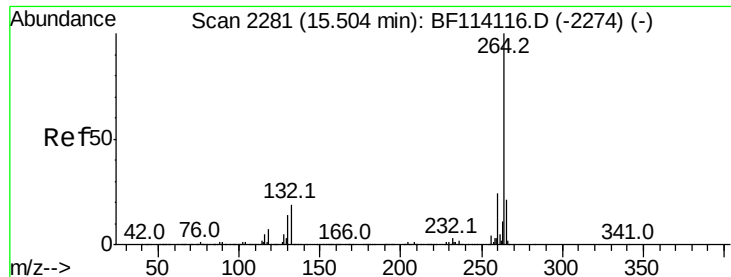
mohammad
5/16/2019 9:51:00 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 42.806 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.2	30.2
277	25.5	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

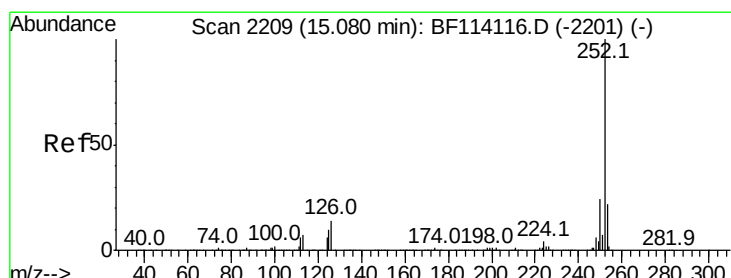
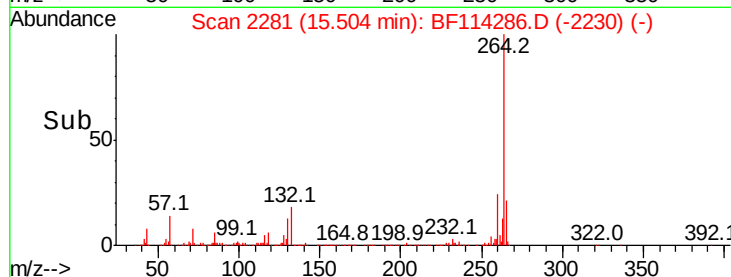
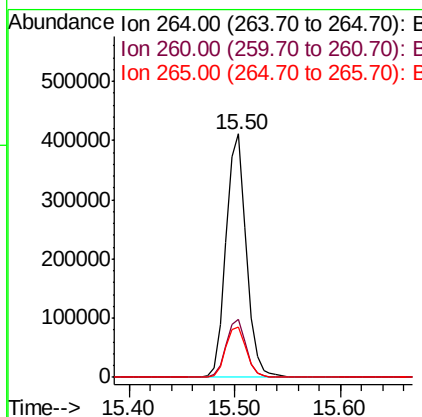
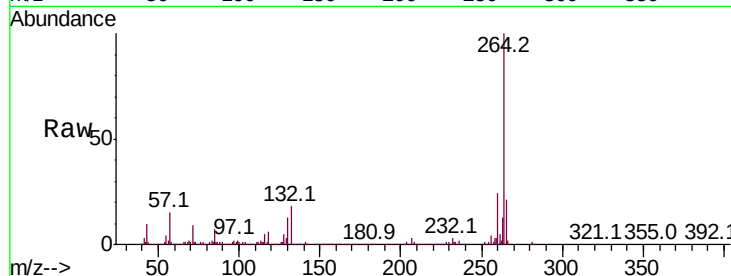
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	264	Resp:	545083
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.4	29.0
265	20.8	16.9	25.3

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:00 AM



#88

Benzo(b)fluoranthene

Concen: 37.191 ng

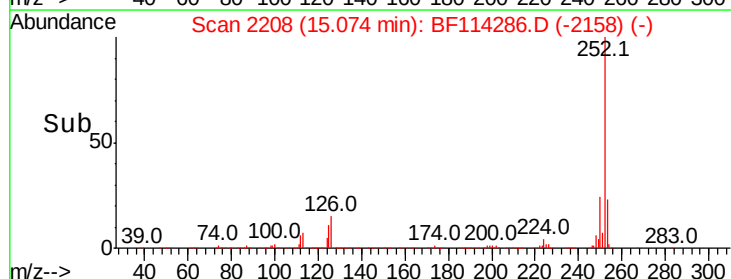
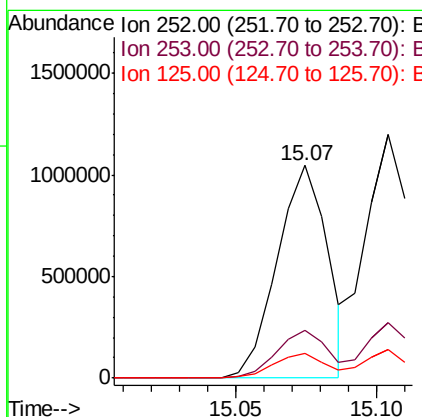
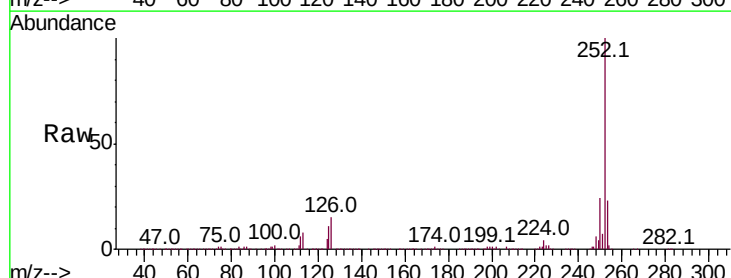
RT: 15.07 min Scan# 2208

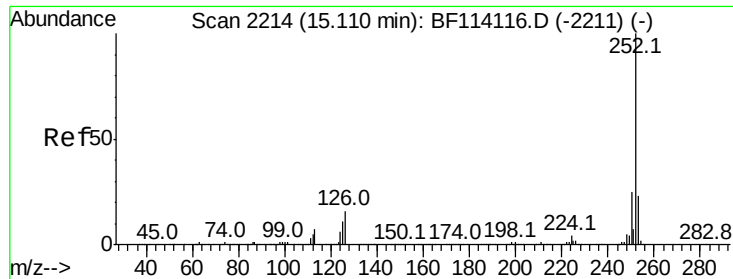
Delta R.T. -0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Tgt Ion:	252	Resp:	1298740
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	11.4	8.3	12.5





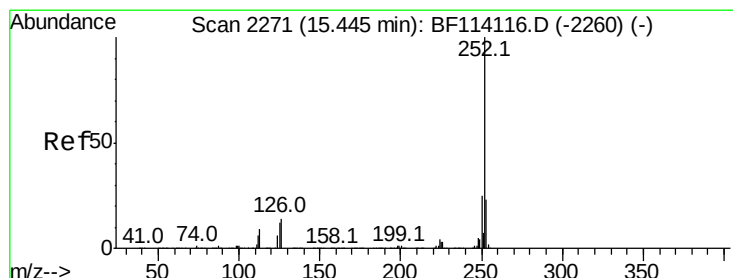
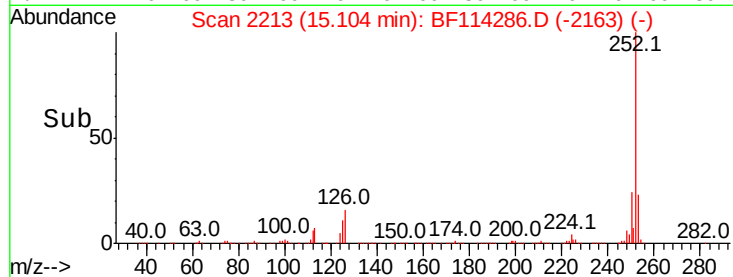
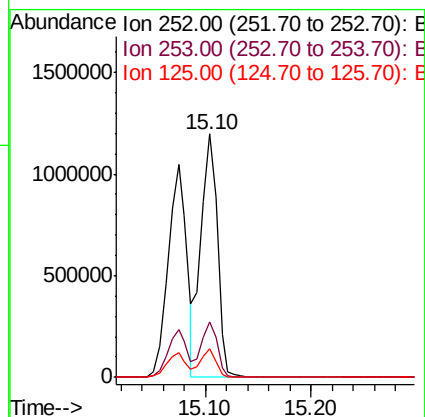
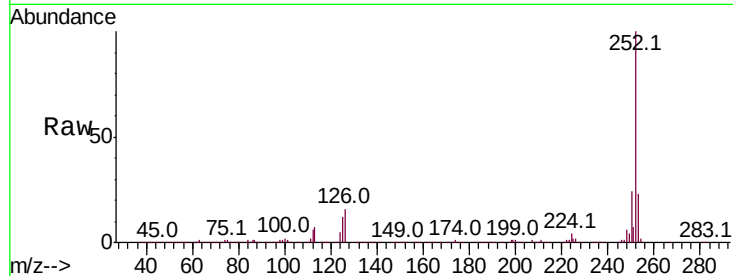
#89
Benzo(k)fluoranthene
Concen: 40.086 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.5	8.6	13.0

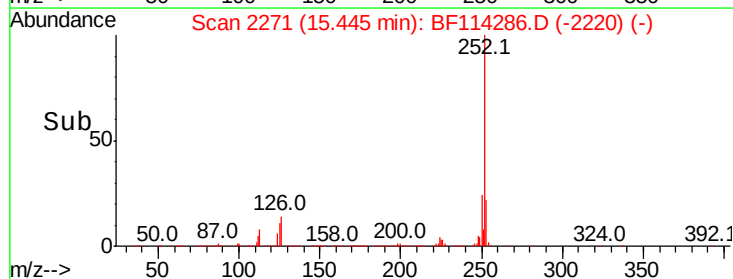
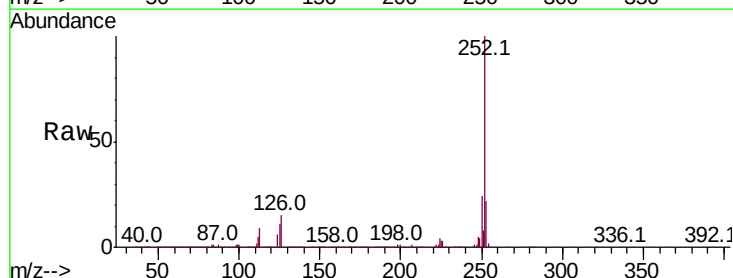
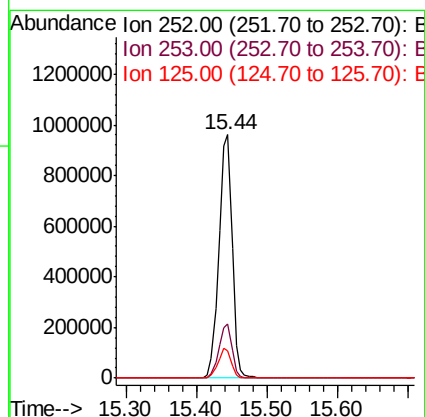
Manual Integrations
APPROVED

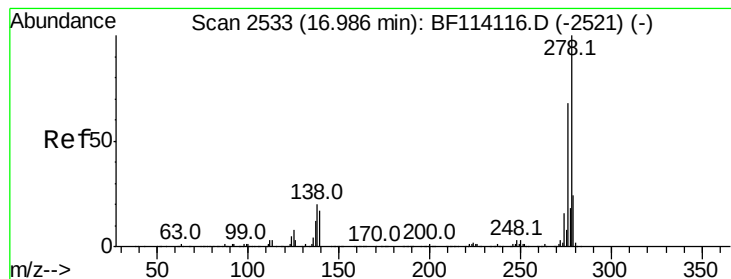
mohammad
5/16/2019 9:51:00 AM



#90
Benzo(a)pyrene
Concen: 40.846 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114286.D
Acq: 15 May 2019 15:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	11.5	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 44.208 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.01 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:278 Resp: 1128995

Ion Ratio Lower Upper

278 100

139 16.8 13.5 20.3

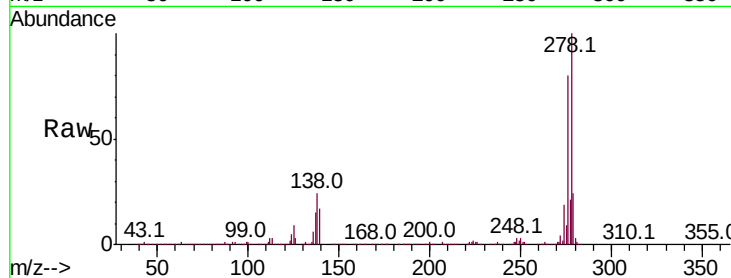
279 23.8 19.0 28.6

Manual Integrations

APPROVED

mohammad

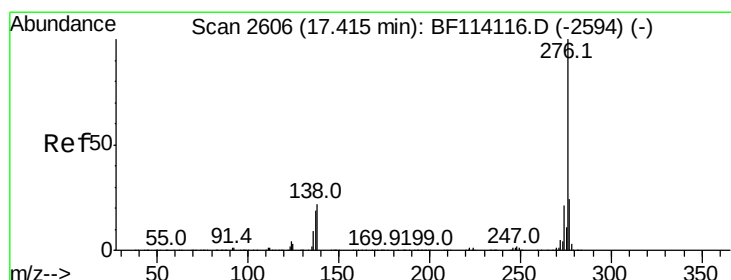
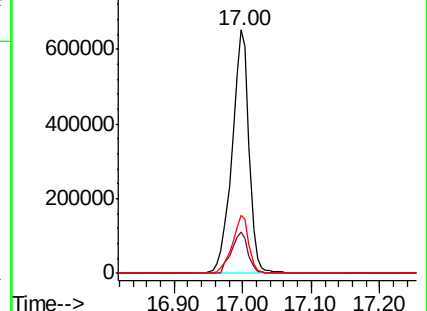
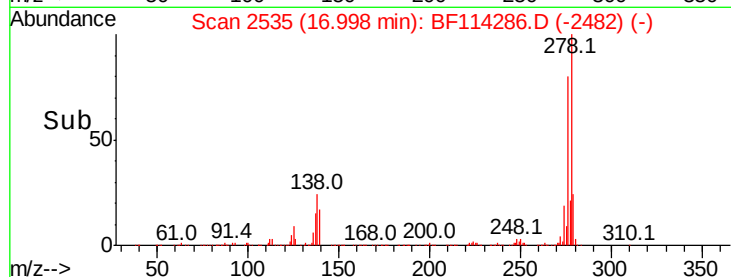
5/16/2019 9:51:00 AM



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: 46.571 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.02 min

Lab File: BF114286.D

Acq: 15 May 2019 15:41

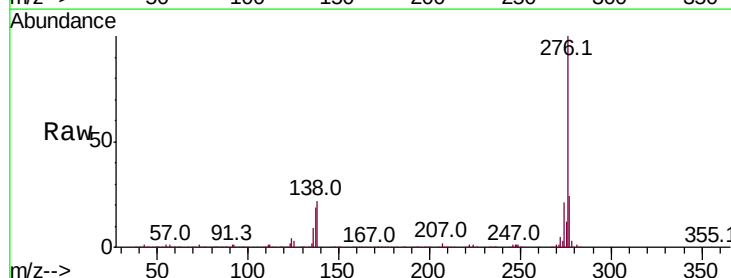
Tgt Ion:276 Resp: 1191901

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 22.1 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

