

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061520\
 Data File : BF120620.D
 Acq On : 15 Jun 2020 14:51
 Operator : JU/CG
 Sample : L2182-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Manual Integrations
 APPROVED

mohammad
 6/16/2020 11:06:49 AM

Quant Time: Jun 15 15:27:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	160683	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	592418	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	311534	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	598492	20.00	ng	0.00
76) Chrysene-d12	13.95	240	489403	20.00	ng	-0.01
86) Perylene-d12	15.39	264	546454	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1342239	143.21	ng	0.00
7) Phenol-d6	6.43	99	1701014	145.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	1077438	101.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	541308	149.45	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1939460	95.25	ng	0.00
79) Terphenyl-d14	12.90	244	2224590	100.41	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.48	88	33962	7.646	ng	99
3) Pyridine	3.28	79	68885	5.516	ng	96
4) n-Nitrosodimethylamine	3.15	42	37149	7.169	ng	93
6) Aniline	6.46	93	125843	8.424	ng	97
8) 2-Chlorophenol	6.58	128	82992	7.836	ng	93
9) Benzaldehyde	6.35	77	69563	9.422	ng	98
10) Phenol	6.45	94	107591	8.639	ng	93
11) bis(2-Chloroethyl)ether	6.53	93	81751	7.880	ng	97
12) 1,3-Dichlorobenzene	6.74	146	93137	8.272	ng	100
13) 1,4-Dichlorobenzene	6.82	146	94236	8.483	ng	99
14) 1,2-Dichlorobenzene	6.97	146	86847	8.025	ng	99
15) Benzyl Alcohol	6.93	79	76443	9.234	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	120103	8.041	ng	99
17) 2-Methylphenol	7.05	107	68838	7.621	ng	98
18) Hexachloroethane	7.31	117	33163	8.102	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	58412	8.627	ng	98
20) 3+4-Methylphenols	7.20	107	86700	7.681	ng	# 74
22) Acetophenone	7.20	105	123989	9.362	ng	95
24) Nitrobenzene	7.38	77	89867	8.103	ng	98
25) Isophorone	7.61	82	158924	7.698	ng	94
26) 2-Nitrophenol	7.69	139	41115	7.007	ng	98
27) 2,4-Dimethylphenol	7.73	122	58730	6.798	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	101724	8.500	ng	100
29) 2,4-Dichlorophenol	7.93	162	68276	7.775	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	78991	8.117	ng	98
31) Naphthalene	8.10	128	257874	8.865	ng	100
32) Benzoic acid	7.80	122	25298m	3.817	ng	
33) 4-Chloroaniline	8.15	127	103703	7.767	ng	98
34) Hexachlorobutadiene	8.22	225	46297	8.161	ng	99
35) Caprolactam	8.48	113	22320	7.947	ng	91
36) 4-Chloro-3-methylphenol	8.63	107	69788	7.954	ng	98
37) 2-Methylnaphthalene	8.79	142	170961	9.003	ng	99
38) 1-Methylnaphthalene	8.89	142	162423	9.090	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	81344	8.745	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061520\
 Data File : BF120620.D
 Acq On : 15 Jun 2020 14:51
 Operator : JU/CG
 Sample : L2182-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

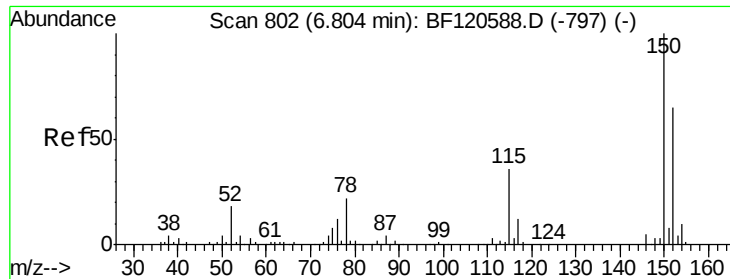
Manual Integrations
 APPROVED

mohammad
 6/16/2020 11:06:49 AM

Quant Time: Jun 15 15:27:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	29168	5.596	nq	98
43) 2,4,6-Trichlorophenol	9.07	196	49153	7.449	nq	99
44) 2,4,5-Trichlorophenol	9.11	196	51212	6.841	nq	98
46) 1,1'-Biphenyl	9.25	154	221215	9.509	nq	97
47) 2-Chloronaphthalene	9.28	162	160753	8.451	nq	98
48) 2-Nitroaniline	9.37	65	43010	7.199	nq	96
49) Acenaphthylene	9.69	152	257743	8.779	nq	97
50) Dimethylphthalate	9.55	163	181197	8.076	nq	99
51) 2,6-Dinitrotoluene	9.61	165	39225	7.714	nq	98
52) Acenaphthene	9.86	154	150895m	8.618	nq	
53) 3-Nitroaniline	9.78	138	42372	6.938	nq	93
54) 2,4-Dinitrophenol	9.89	184	10822	3.970	nq	# 87
55) Dibenzofuran	10.03	168	238742	8.893	nq	99
56) 4-Nitrophenol	9.94	139	28557	6.208	nq	98
57) 2,4-Dinitrotoluene	10.02	165	49556	7.345	nq	97
58) Fluorene	10.37	166	180782	8.735	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.15	232	44727	7.594	nq	98
60) Diethylphthalate	10.25	149	182531	8.260	nq	99
61) 4-Chlorophenyl-phenylether	10.37	204	90891	8.504	nq	97
62) 4-Nitroaniline	10.39	138	42338	6.983	nq	98
63) Azobenzene	10.53	77	174972	8.723	nq	98
65) 4,6-Dinitro-2-methylphenol	10.42	198	19904	5.542	nq	99
66) n-Nitrosodiphenylamine	10.49	169	159209	8.662	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	55002	8.098	nq	96
68) Hexachlorobenzene	10.93	284	62086	8.502	nq	# 90
69) Atrazine	11.01	200	52208	9.180	nq	98
70) Pentachlorophenol	11.12	266	21918	5.398	nq	95
71) Phenanthrene	11.34	178	264002	8.874	nq	99
72) Anthracene	11.39	178	271016	9.037	nq	98
73) Carbazole	11.55	167	246227	8.295	nq	99
74) Di-n-butylphthalate	11.87	149	291383	8.731	nq	99
75) Fluoranthene	12.52	202	291650	8.574	nq	98
77) Benzidine	12.64	184	141211	8.532	nq	# 95
78) Pyrene	12.75	202	300561	8.669	nq	98
80) Butylbenzylphthalate	13.37	149	117504	7.633	nq	95
81) Benzo(a)anthracene	13.94	228	271928	9.248	nq	98
82) 3,3'-Dichlorobenzidine	13.90	252	107024	9.529	nq	100
83) Chrysene	13.97	228	268661	8.908	nq	97
84) Bis(2-ethylhexyl)phthalate	13.93	149	170274	9.063	nq	100
85) Di-n-octyl phthalate	14.54	149	290386	8.098	nq	99
87) Indeno(1,2,3-cd)pyrene	16.79	276	294230	8.852	nq	99
88) Benzo(b)fluoranthene	14.97	252	274408	8.430	nq	99
89) Benzo(k)fluoranthene	15.00	252	246281	8.550	nq	99
90) Benzo(a)pyrene	15.32	252	232705	7.988	nq	99
91) Dibenzo(a,h)anthracene	16.81	278	248675	9.329	nq	99
92) Benzo(g,h,i)perylene	17.22	276	250227	9.313	nq	99

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



#1

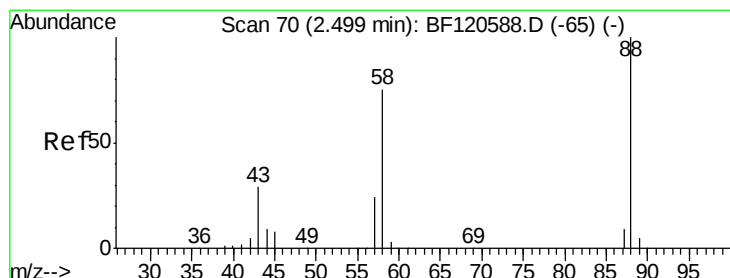
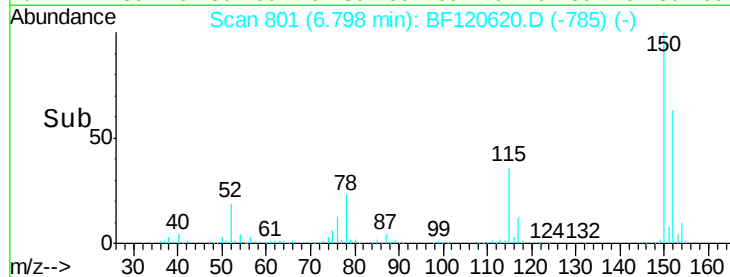
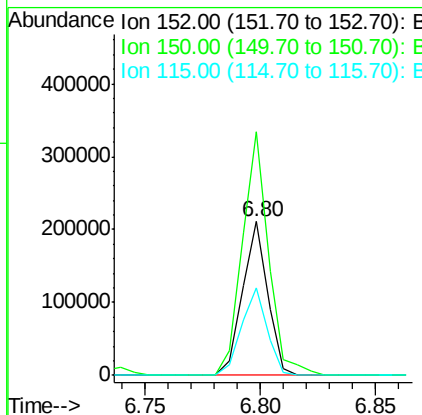
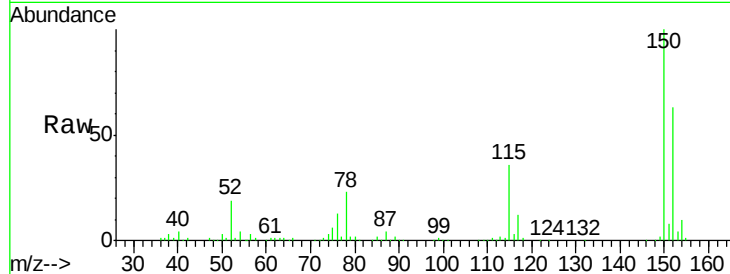
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.2	184.8
115	57.2	43.9	65.9

Manual Integrations
APPROVED

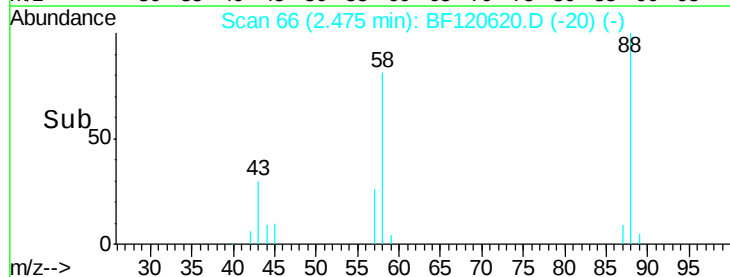
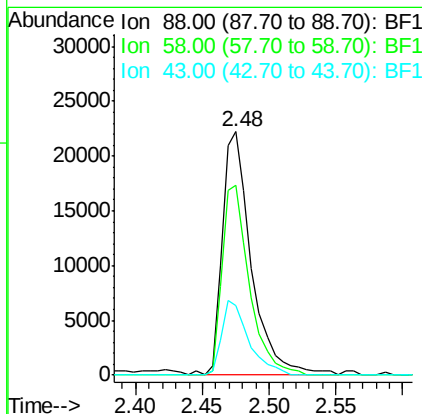
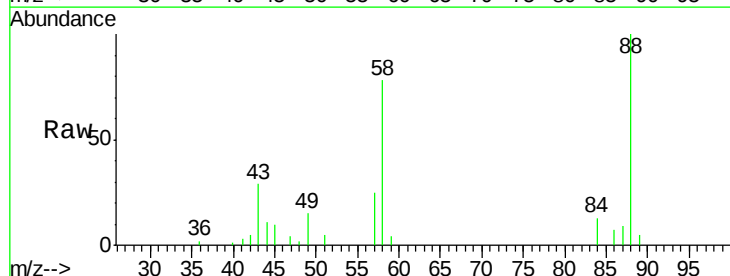
mohammad
6/16/2020 11:06:49 AM

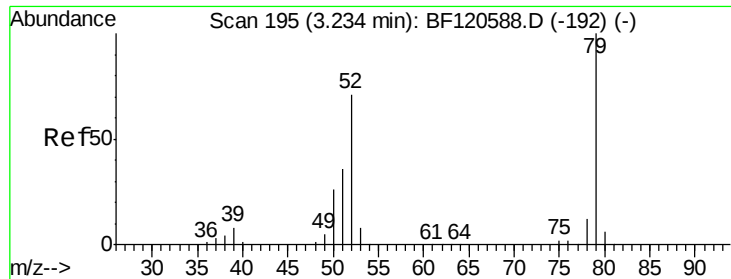


#2

1,4-Dioxane
Concen: 7.646 ng
RT: 2.48 min Scan# 66
Delta R.T. -0.03 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.4	59.6	89.4
43	28.3	23.1	34.7





#3

Pvridine

Concen: 5.516 ng

RT: 3.28 min Scan# 203

Delta R.T. 0.04 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

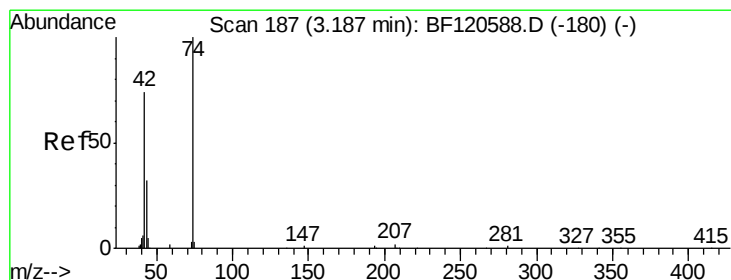
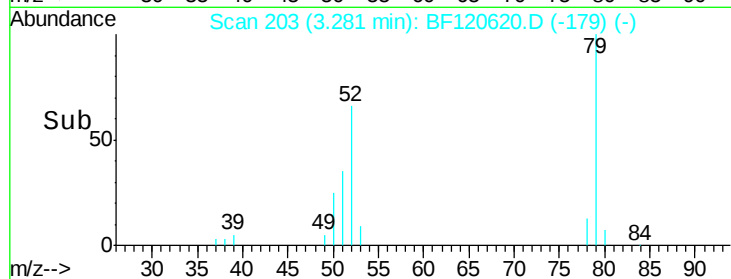
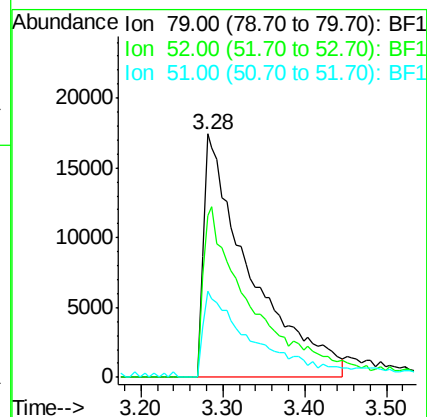
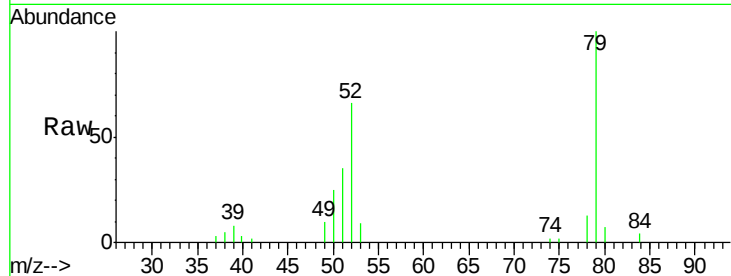
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	79	Resp:	68885
Ion Ratio	Lower	Upper	
79	100		
52	66.2	57.0	85.6
51	35.3	28.5	42.7

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#4

n-Nitrosodimethylamine

Concen: 7.169 ng

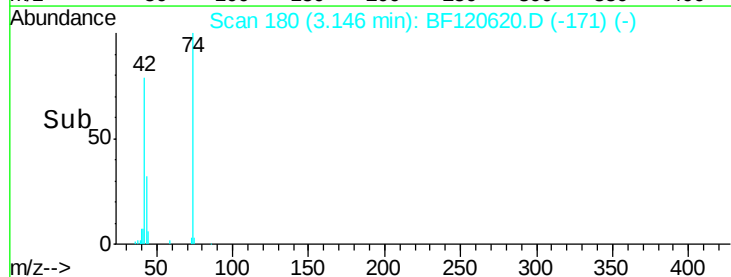
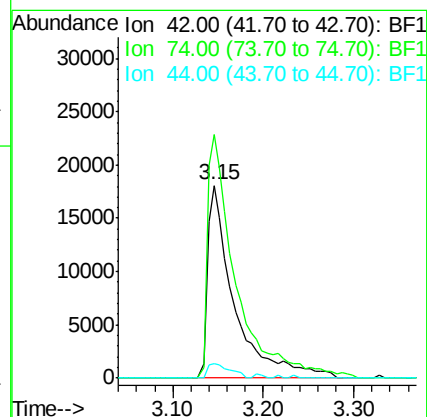
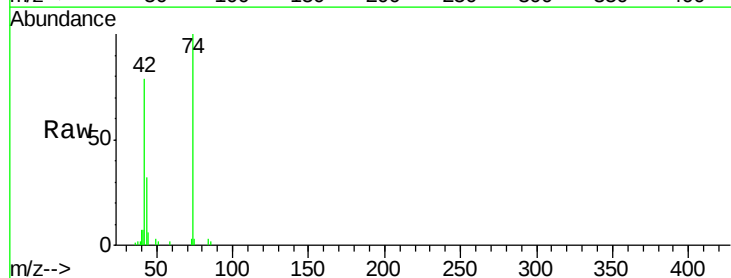
RT: 3.15 min Scan# 180

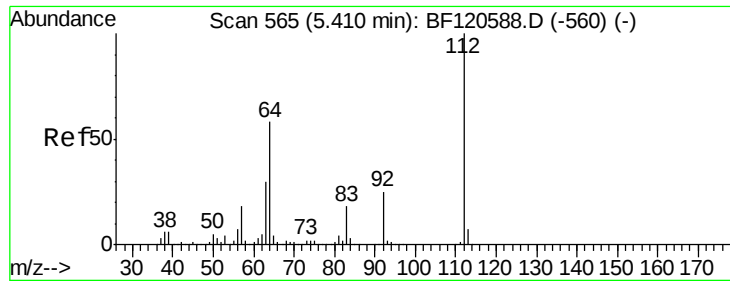
Delta R.T. -0.05 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:	42	Resp:	37149
Ion Ratio	Lower	Upper	
42	100		
74	126.5	107.8	161.6
44	7.6	5.1	7.7





#5

2-Fluorophenol

Concen: 143.214 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion: 112 Resp: 1342239

Ion Ratio Lower Upper

112 100

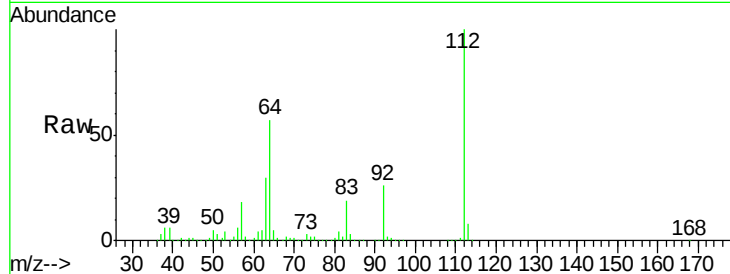
64 57.3 46.1 69.1

63 29.5 23.7 35.5

Manual Integrations
APPROVED

mohammad

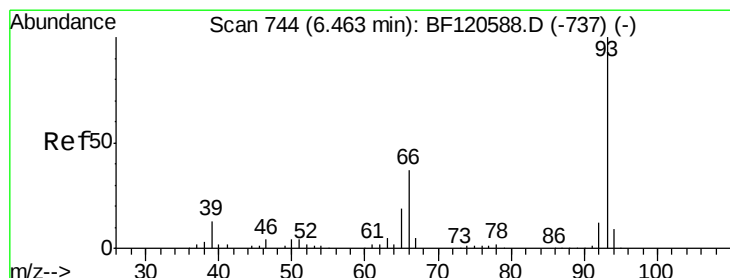
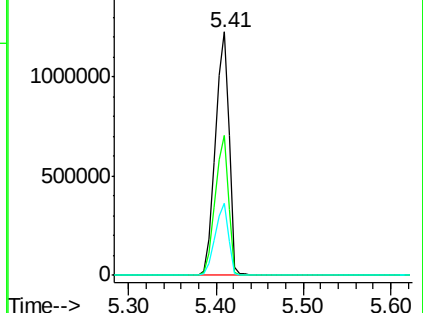
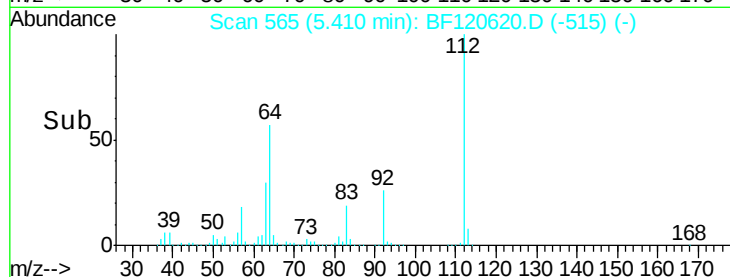
6/16/2020 11:06:49 AM



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: 8.424 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

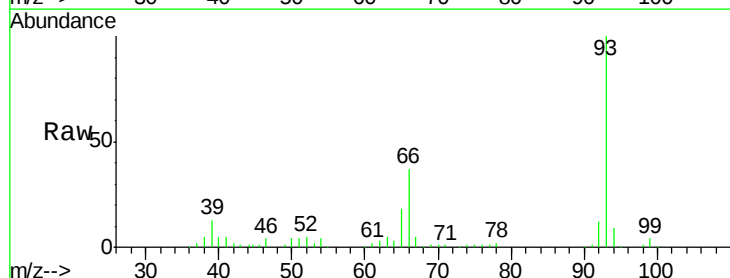
Tgt Ion: 93 Resp: 125843

Ion Ratio Lower Upper

93 100

66 37.1 30.9 46.3

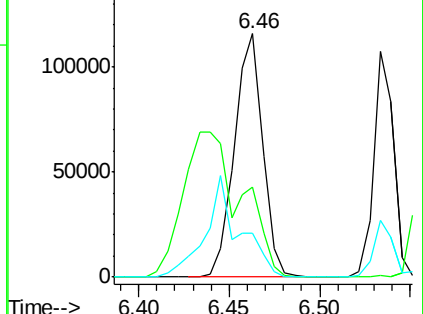
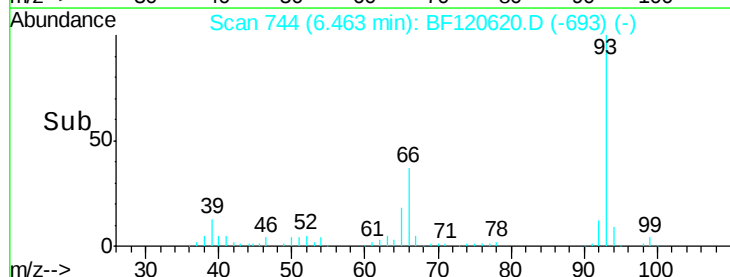
65 18.3 15.9 23.9

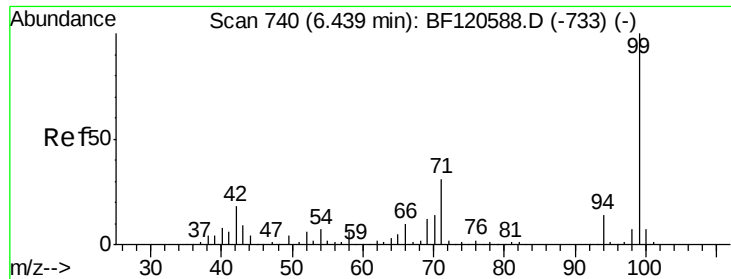


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 145.721 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion: 99 Resp: 1701014

Ion Ratio Lower Upper

99 100

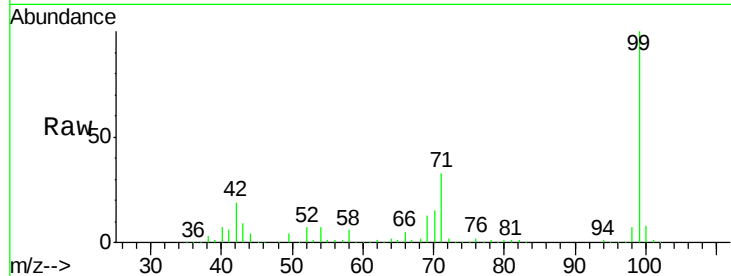
42 18.7 14.0 21.0

71 33.3 24.9 37.3

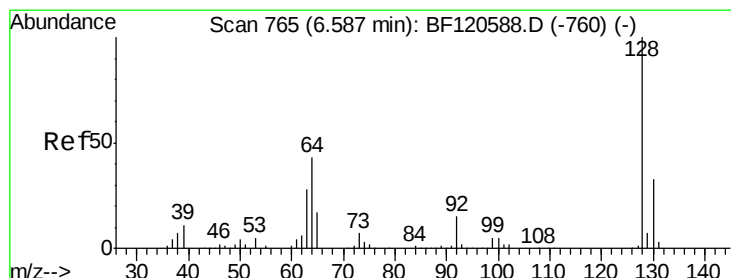
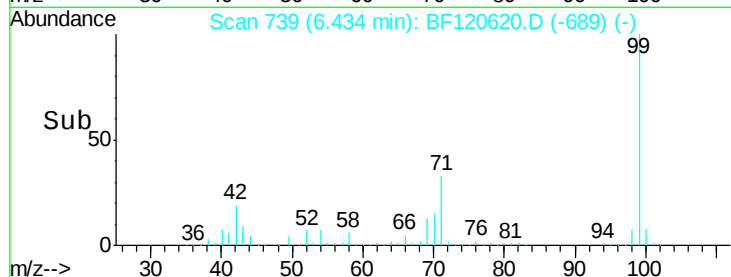
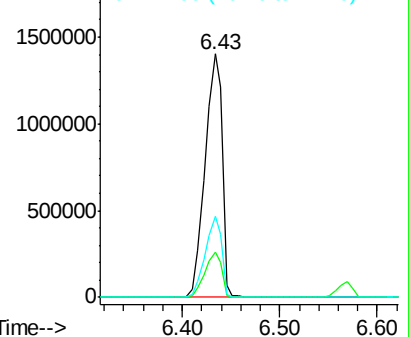
Manual Integrations
APPROVED

mohammad

6/16/2020 11:06:49 AM



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



#8

2-Chlorophenol

Concen: 7.836 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

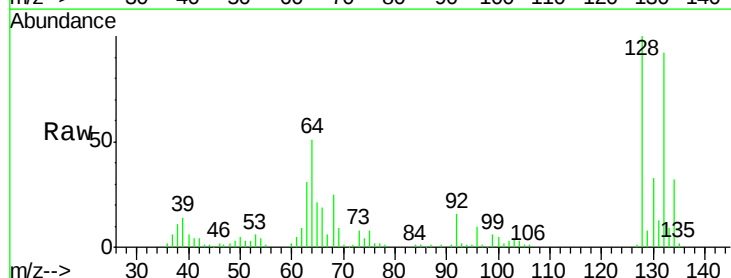
Tgt Ion: 128 Resp: 82992

Ion Ratio Lower Upper

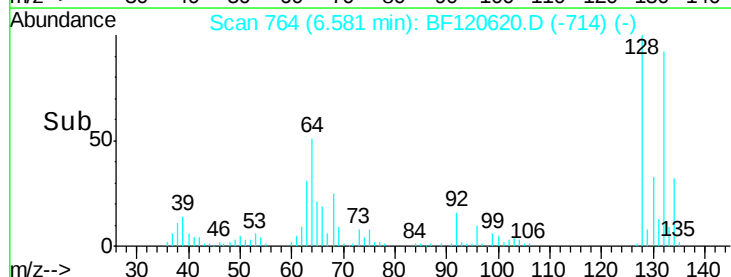
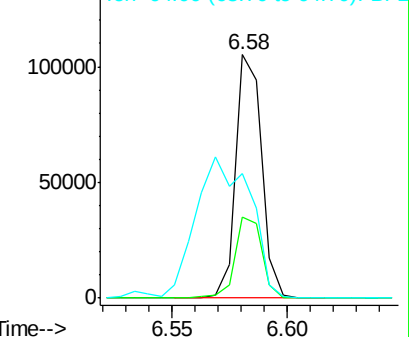
128 100

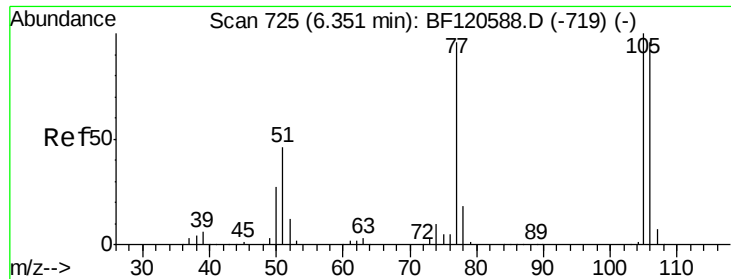
130 33.3 12.6 52.6

64 51.3 24.3 64.3



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





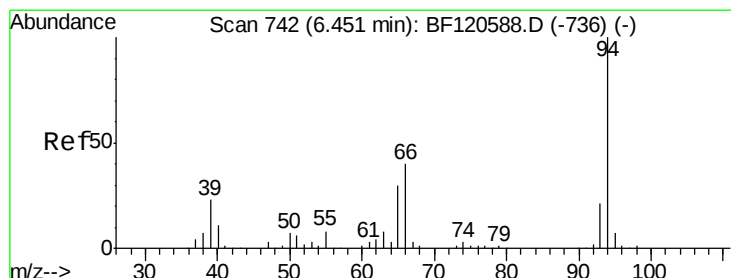
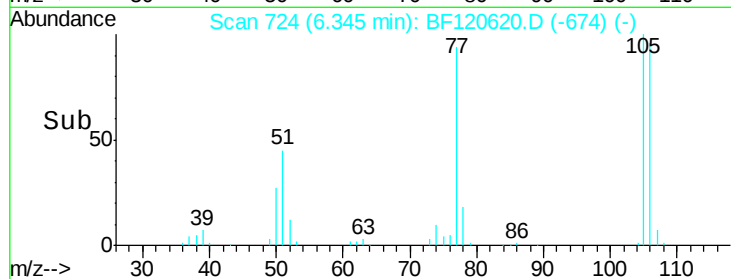
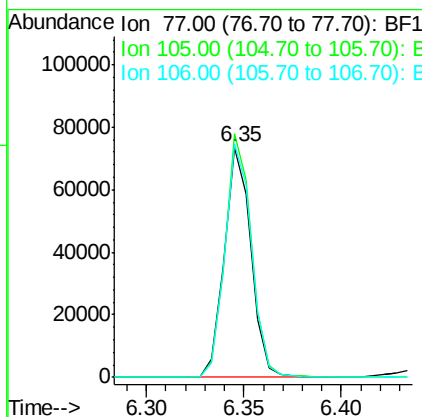
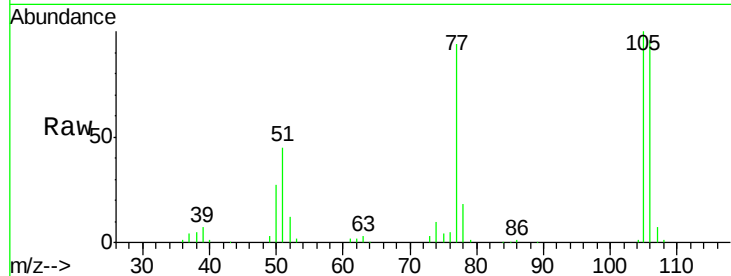
#9
Benzaldehyde
Concen: 9.422 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	105.8	83.8	123.8		
106	101.5	79.3	119.3		

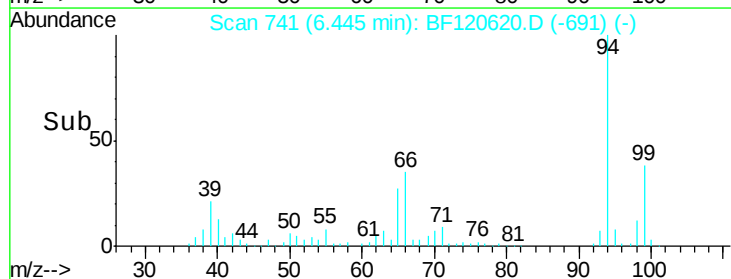
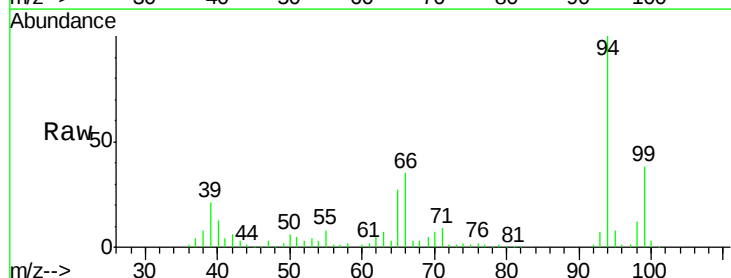
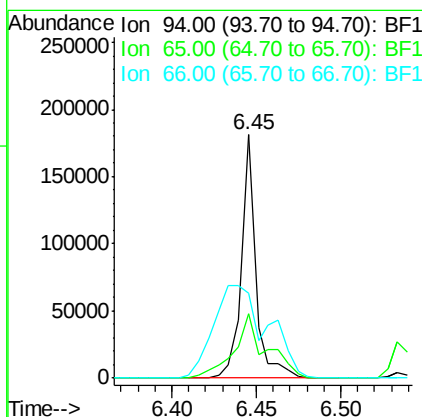
Manual Integrations
APPROVED

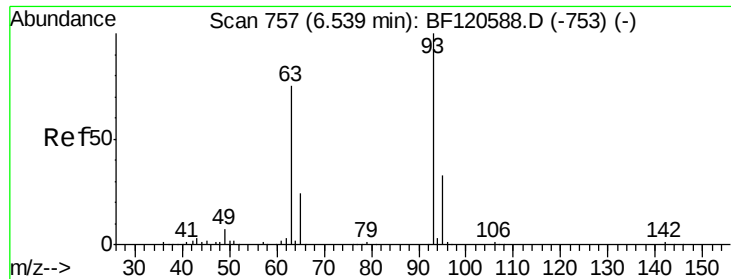
mohammad
6/16/2020 11:06:49 AM



#10
Phenol
Concen: 8.639 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	26.6	9.9	49.9		
66	35.0	20.1	60.1		





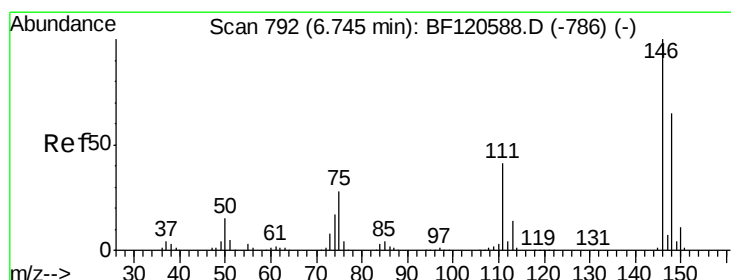
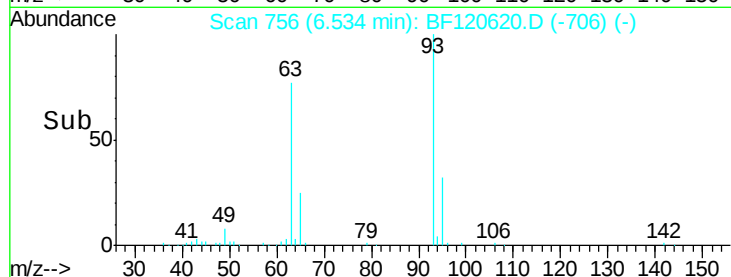
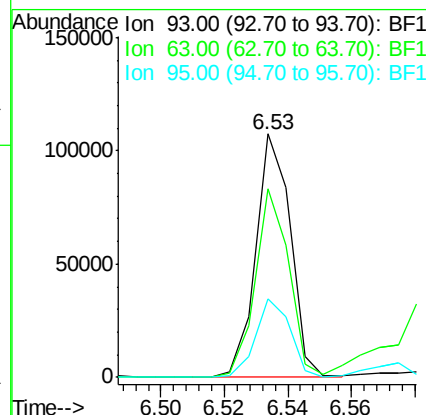
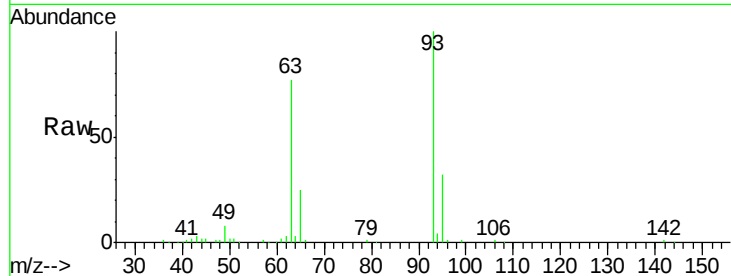
#11
bis(2-Chloroethyl)ether
Concen: 7.880 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.3	54.4	94.4
95	32.0	12.9	52.9

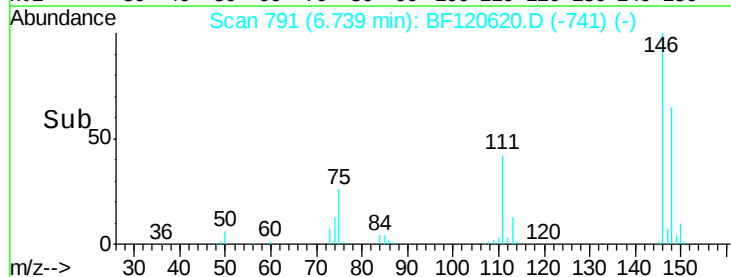
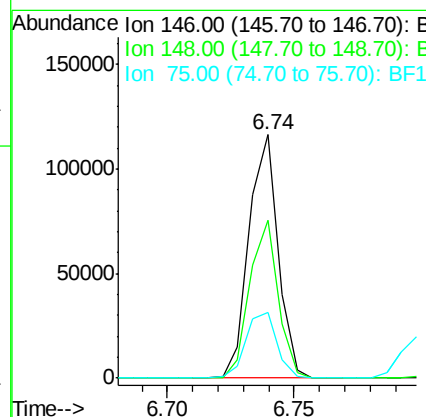
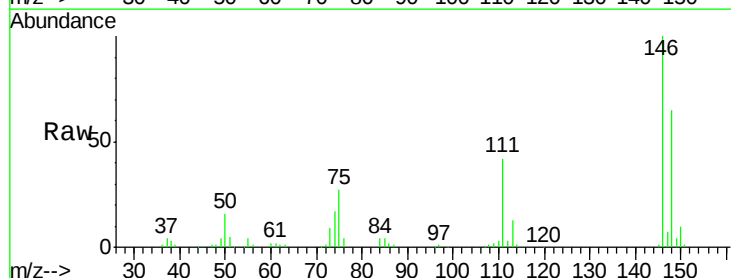
Manual Integrations
APPROVED

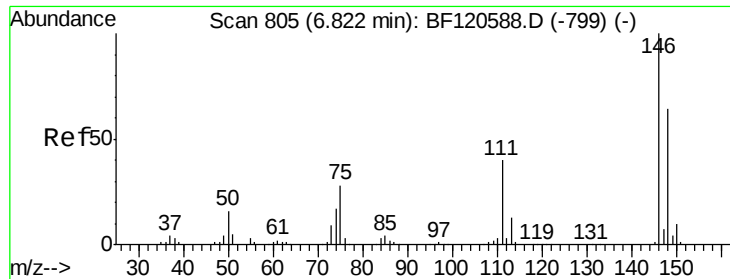
mohammad
6/16/2020 11:06:49 AM



#12
1,3-Dichlorobenzene
Concen: 8.272 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
75	27.2	22.2	33.4





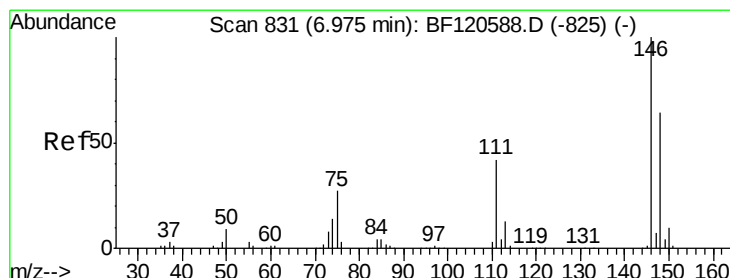
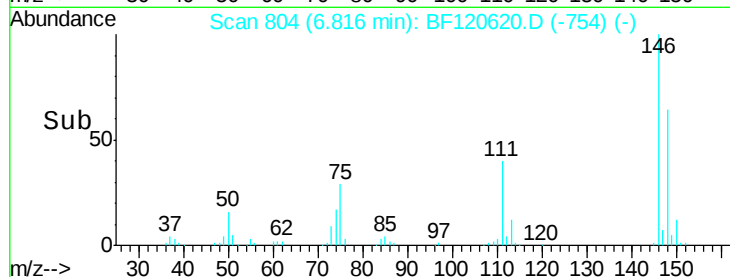
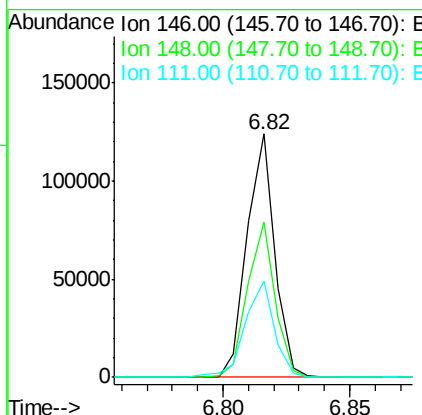
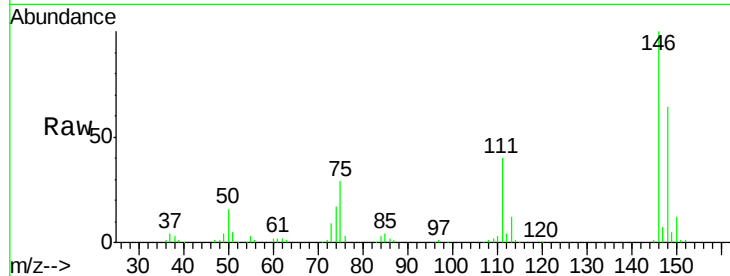
#13
1,4-Dichlorobenzene
Concen: 8.483 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	39.8	32.2	48.4

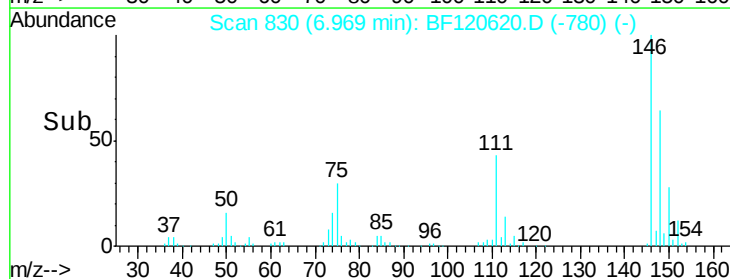
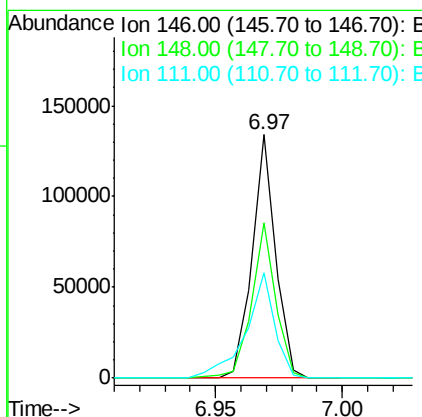
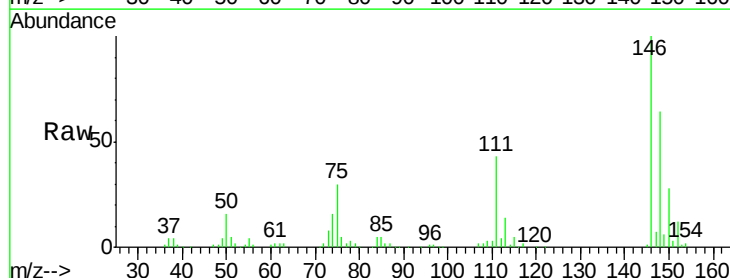
Manual Integrations
APPROVED

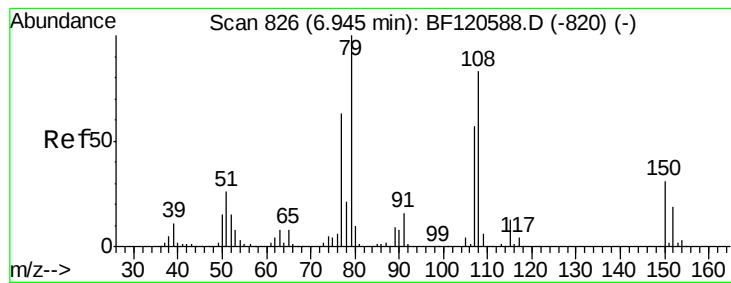
mohammad
6/16/2020 11:06:49 AM



#14
1,2-Dichlorobenzene
Concen: 8.025 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	43.2	33.6	50.4





#15

Benzyl Alcohol

Concen: 9.234 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

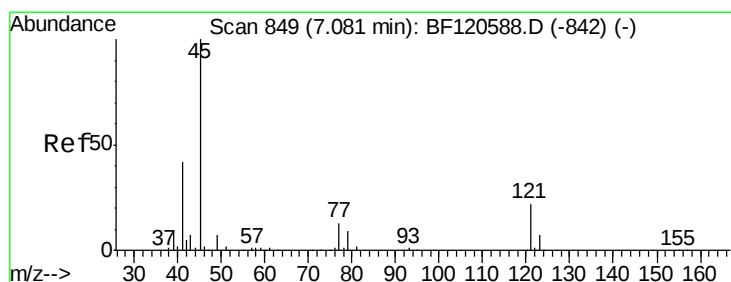
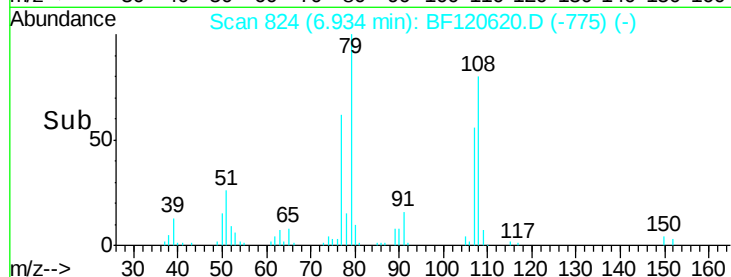
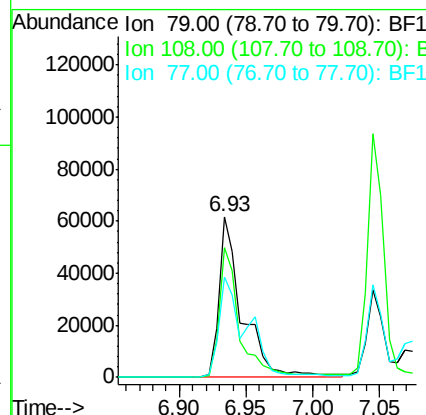
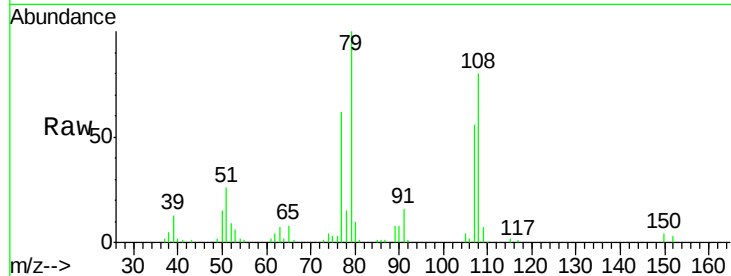
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.4	66.8	100.2
77	62.2	50.6	76.0

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.041 ng

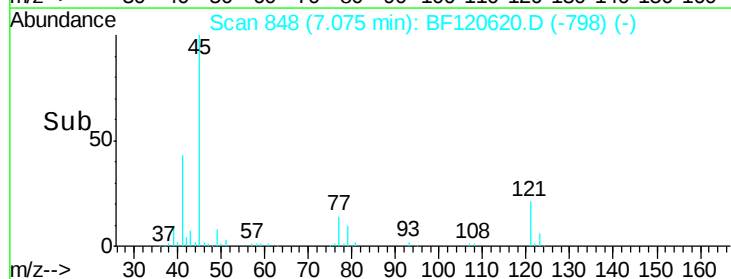
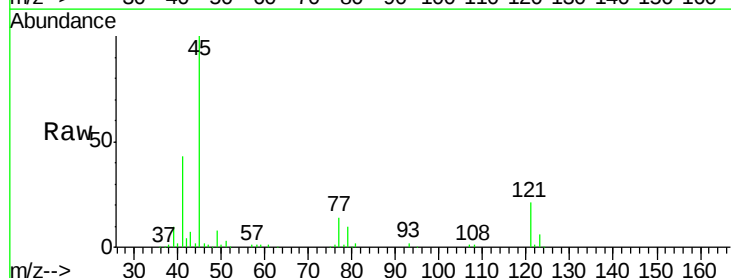
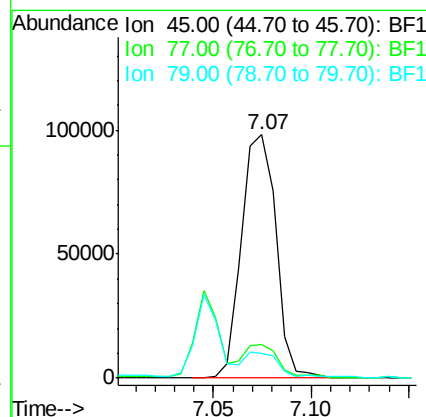
RT: 7.07 min Scan# 848

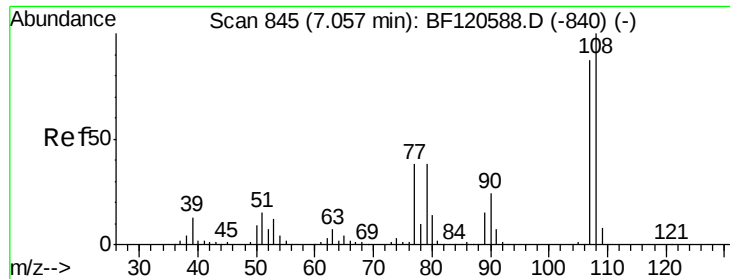
Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.2
79	10.1	0.0	30.9





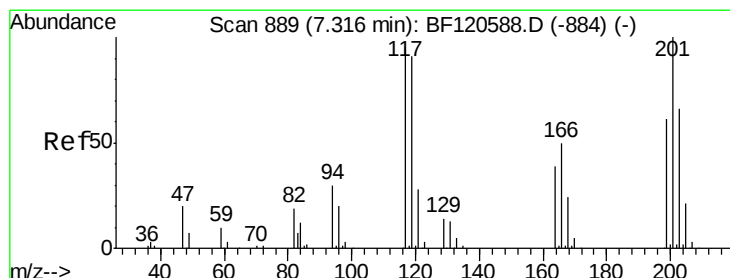
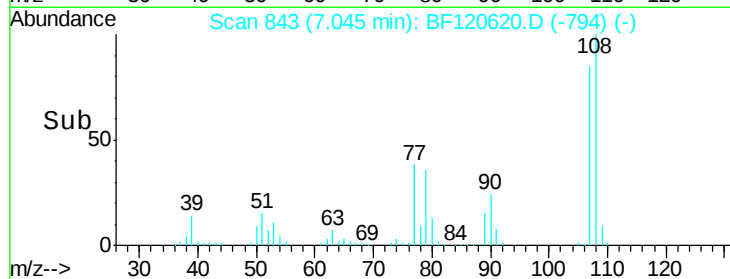
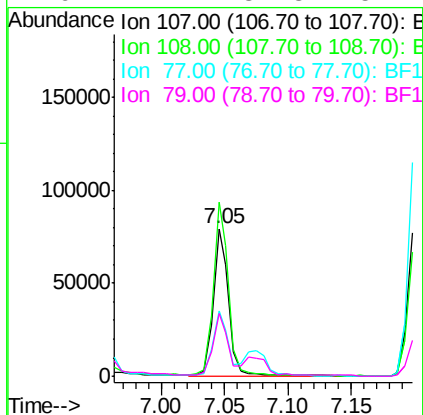
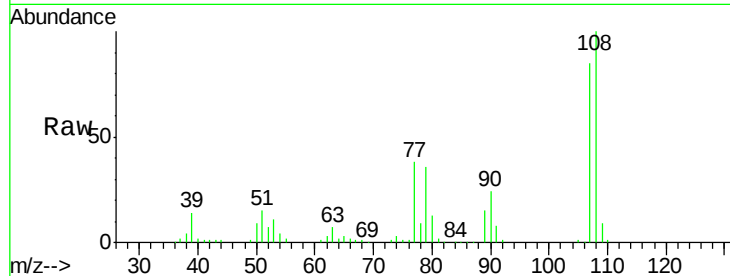
#17
2-Methylphenol
Concen: 7.621 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:	107	Resp:	68838
Ion Ratio	Lower	Upper	
107	100		
108	117.7	91.9	137.9
77	44.5	35.4	53.2
79	42.1	34.8	52.2

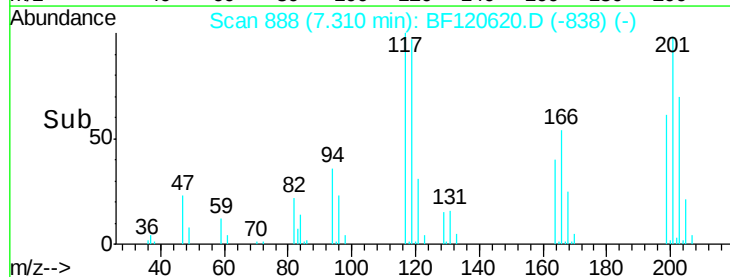
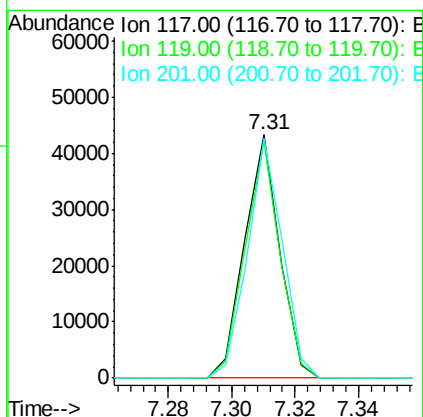
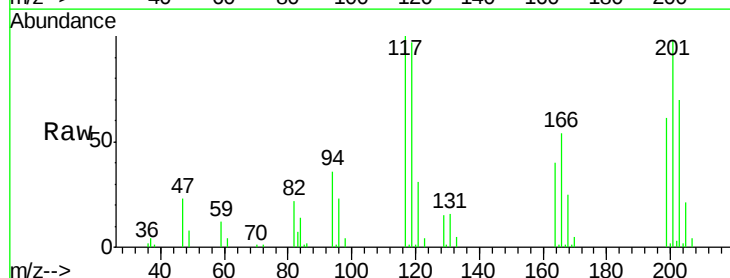
Manual Integrations
APPROVED

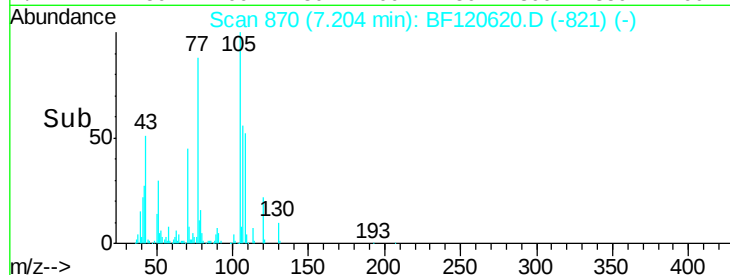
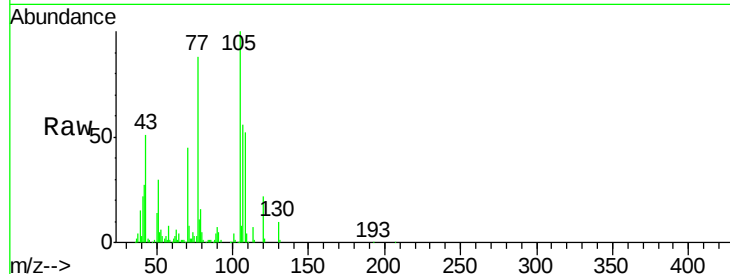
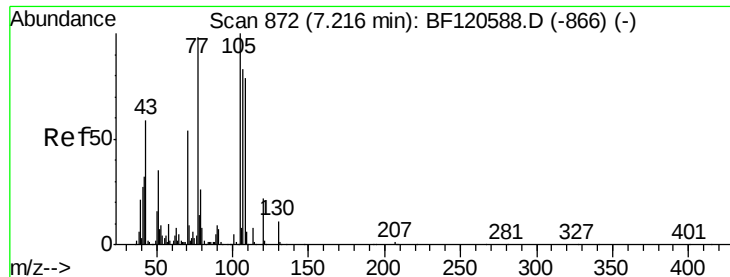
mohammad
6/16/2020 11:06:49 AM



#18
Hexachloroethane
Concen: 8.102 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

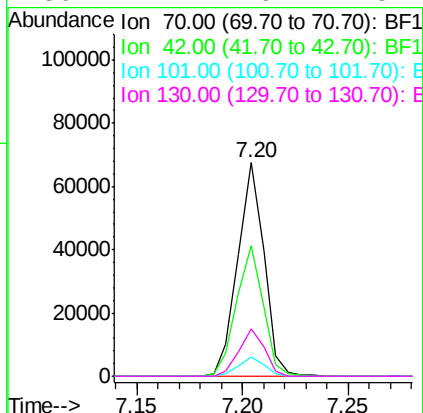
Tgt Ion:	117	Resp:	33163
Ion Ratio	Lower	Upper	
117	100		
119	97.3	76.9	115.3
201	98.4	84.6	127.0





#19
n-Nitroso-di-n-propylamine
Concen: 8.627 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

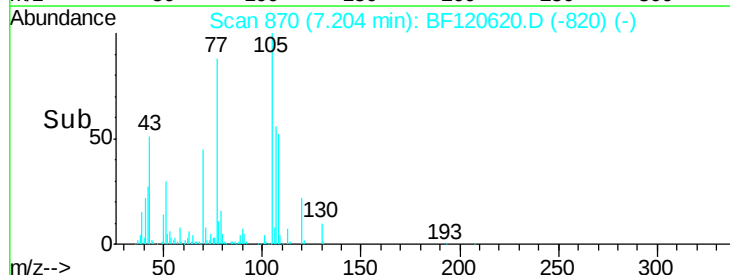
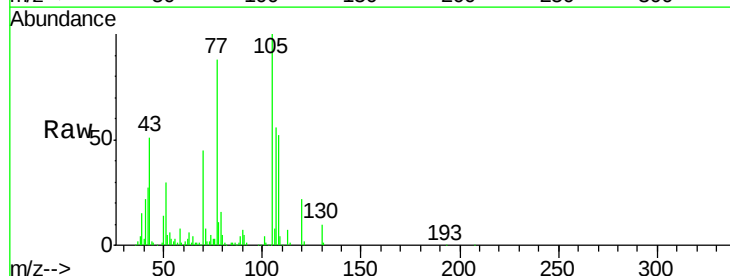
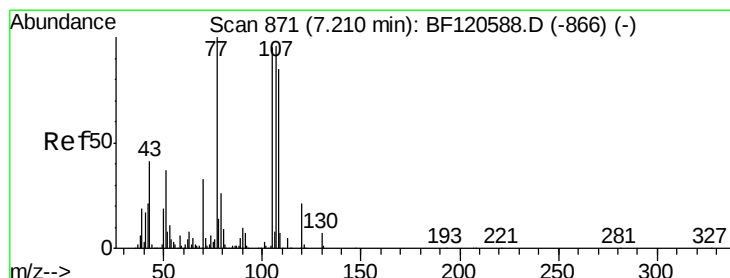
Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		58412		
42	60.9	47.7	71.5		
101	9.3	7.6	11.4		
130	22.2	16.7	25.1		



Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

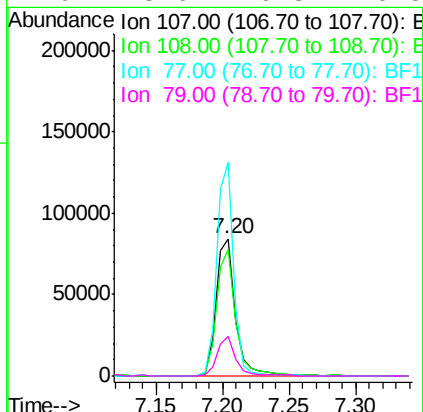
Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#20
3+4-Methylphenols
Concen: 7.681 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		86700		
108	92.5	68.7	108.7		
77	155.7	84.2	124.2#		
79	28.6	6.8	46.8		





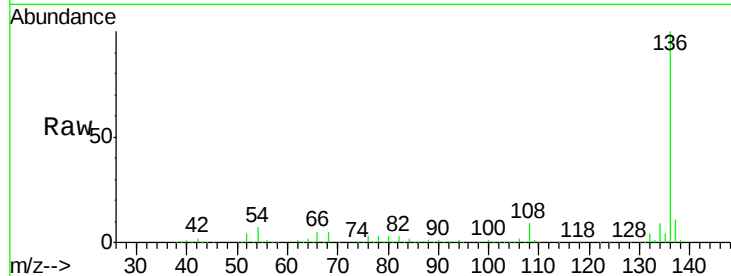
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

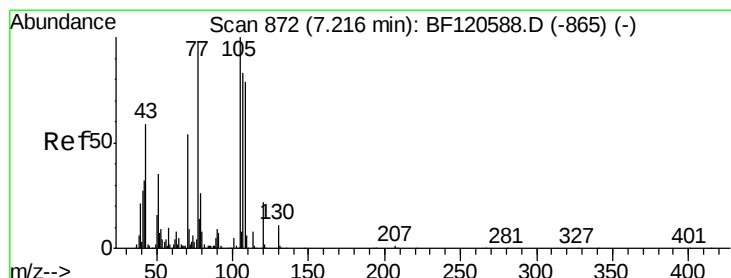
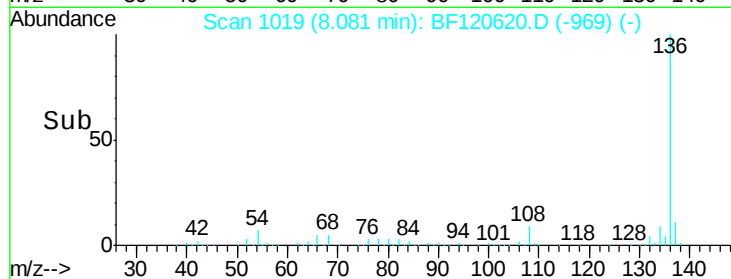
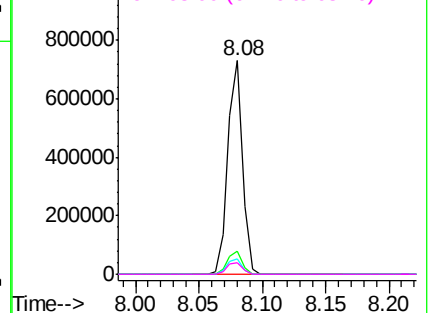
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		592418		
137	11.1	8.6	13.0		
54	7.2	5.8	8.6		
68	5.5	4.4	6.6		

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



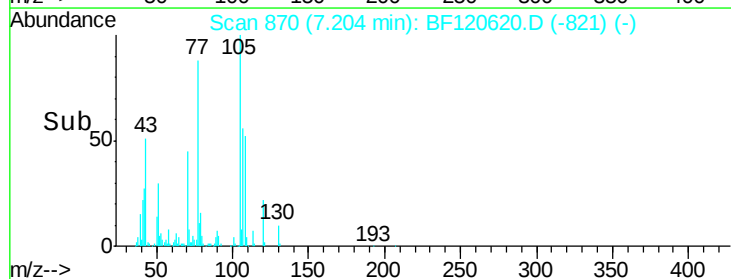
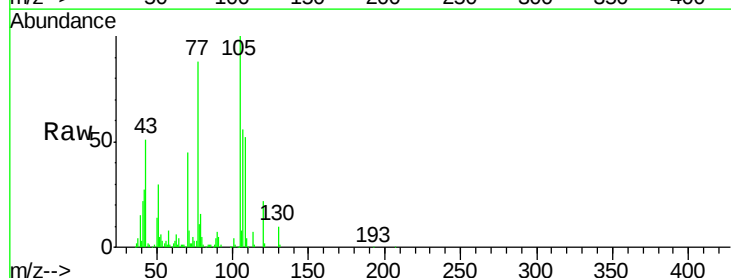
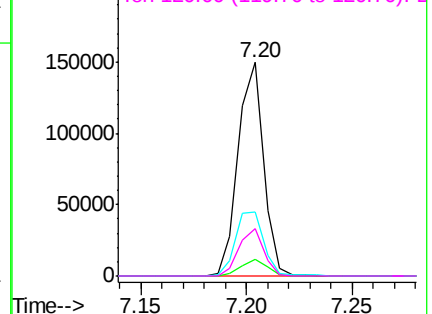
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

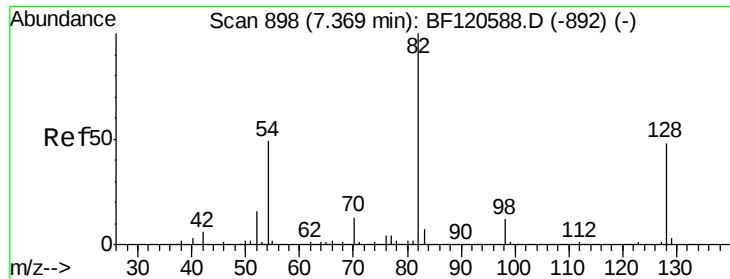


#22
Acetophenone
Concen: 9.362 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		123989		
71	7.8	7.2	10.8		
51	29.8	27.8	41.8		
120	21.9	18.0	27.0		

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





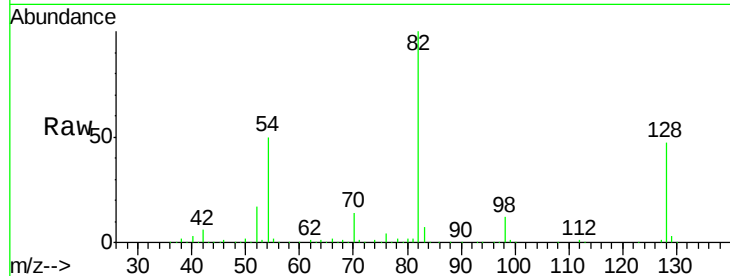
#23
Nitrobenzene-d5
Concen: 101.660 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

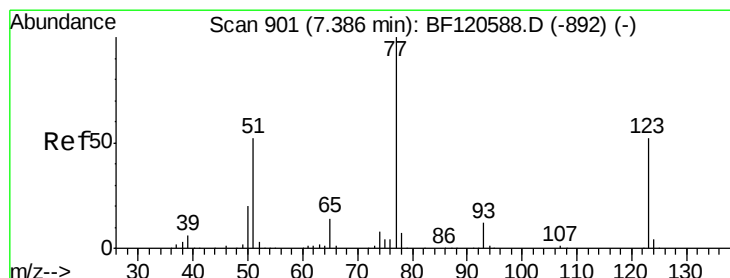
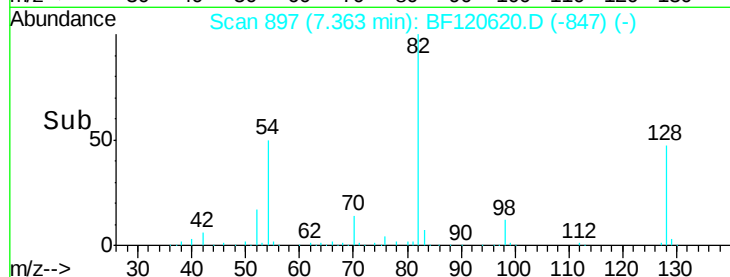
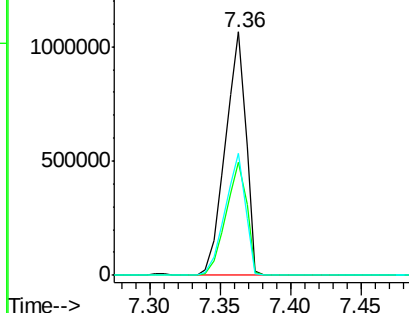
Tot Ion: 82 Resp: 1077438
Ion Ratio Lower Upper
82 100
128 46.5 38.0 57.0
54 50.4 38.8 58.2

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM

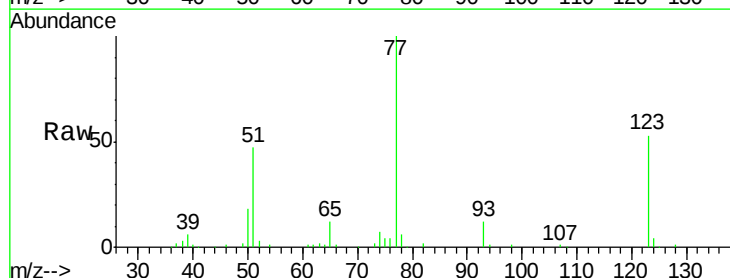


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

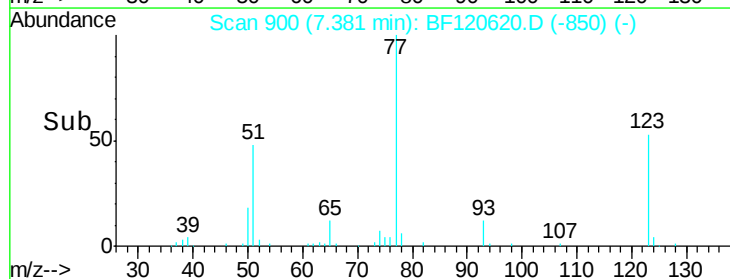
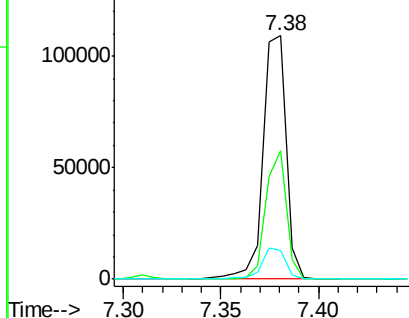


#24
Nitrobenzene
Concen: 8.103 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion: 77 Resp: 89867
Ion Ratio Lower Upper
77 100
123 52.9 41.4 62.0
65 11.9 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 7.698 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

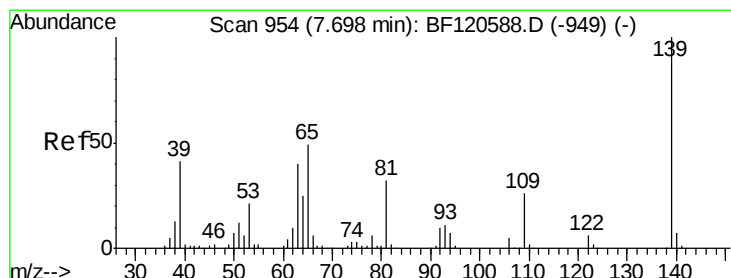
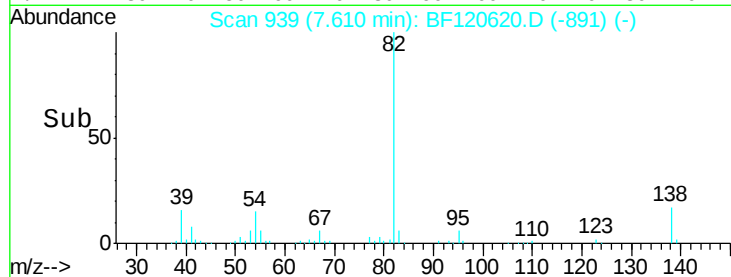
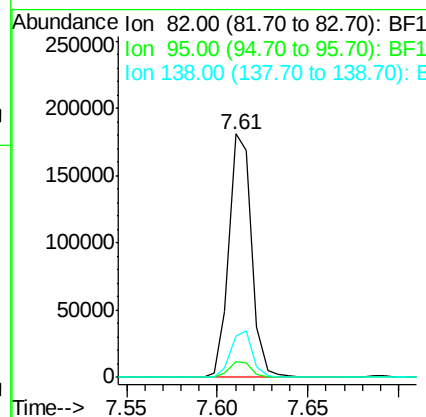
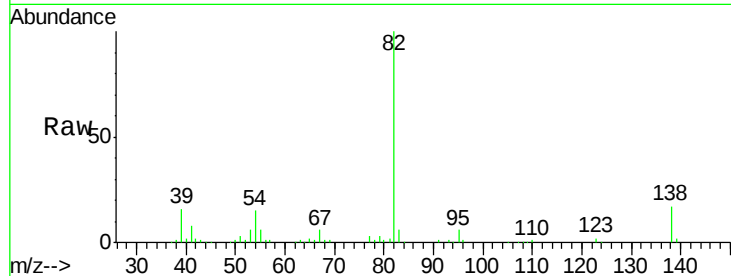
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	82	Resp:	158924
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.7	8.5
138	17.1	16.2	24.4

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#26

2-Nitrophenol

Concen: 7.007 ng

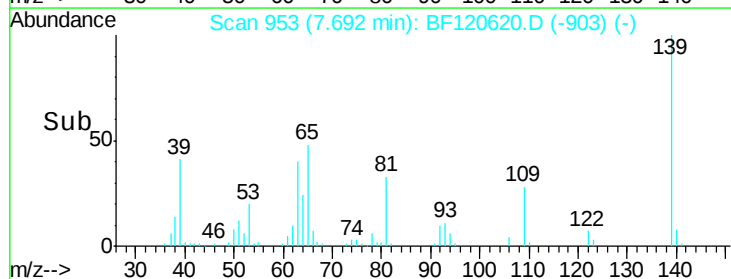
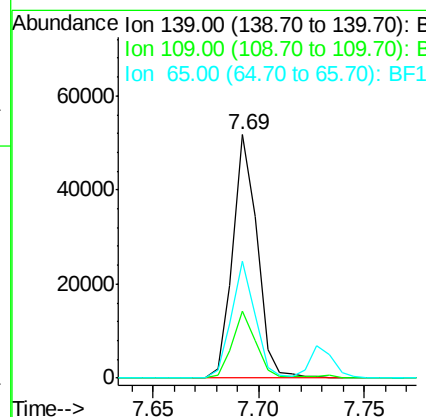
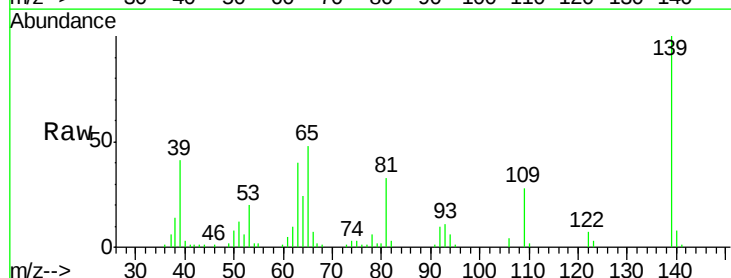
RT: 7.69 min Scan# 953

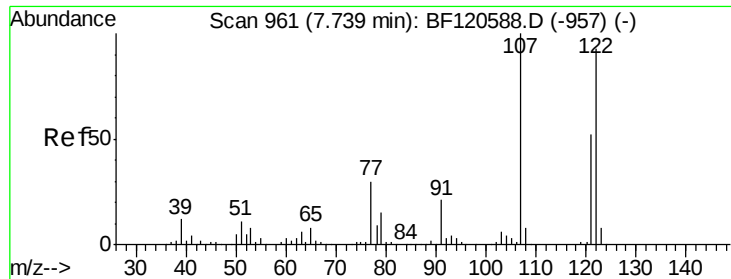
Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:	139	Resp:	41115
Ion Ratio		Lower	Upper
139	100		
109	27.7	21.1	31.7
65	47.8	39.4	59.0





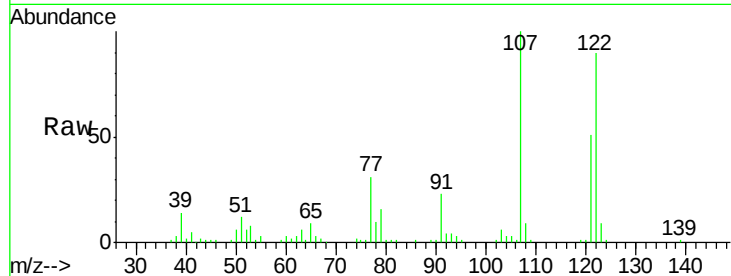
#27
2,4-Dimethylphenol
Concen: 6.798 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

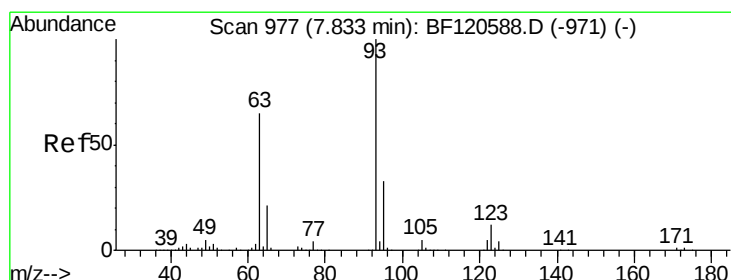
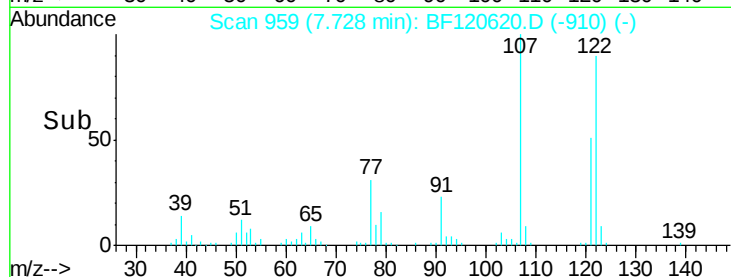
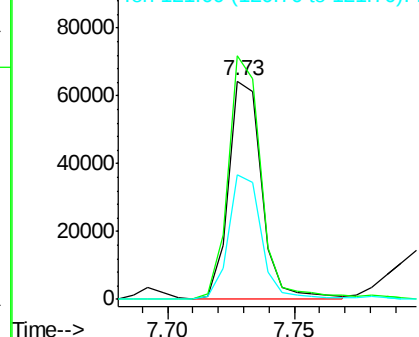
Tot Ion	Ratio	Lower	Upper
122	100		
107	111.4	86.4	129.6
121	56.7	45.2	67.8

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM

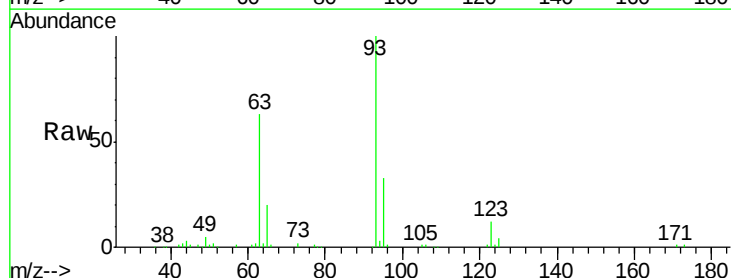


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

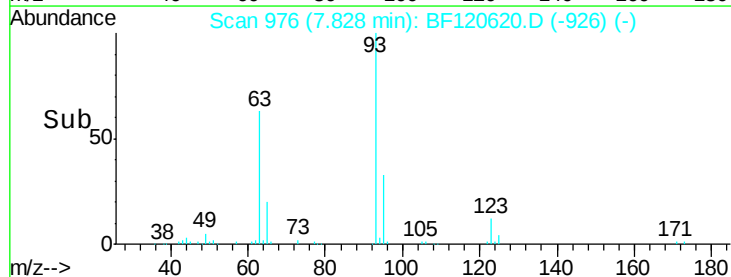
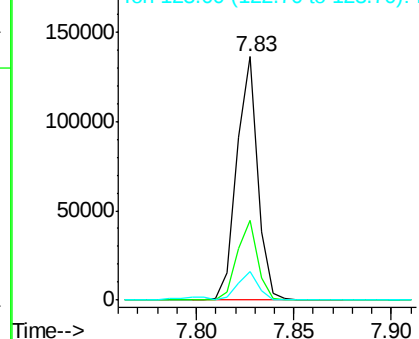


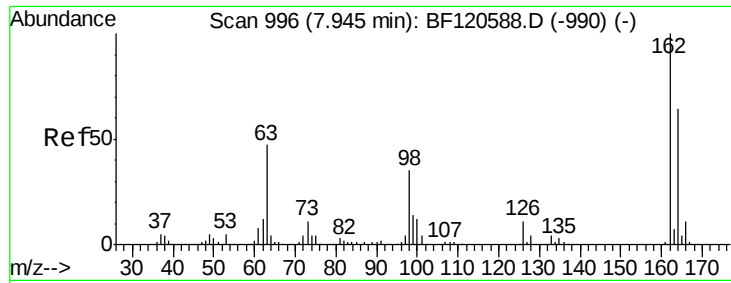
#28
bis(2-Chloroethoxy)methane
Concen: 8.500 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.5	9.5	14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





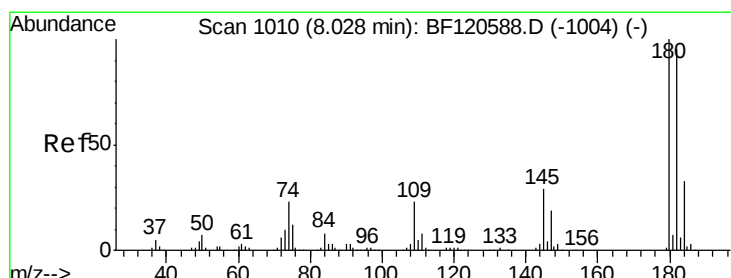
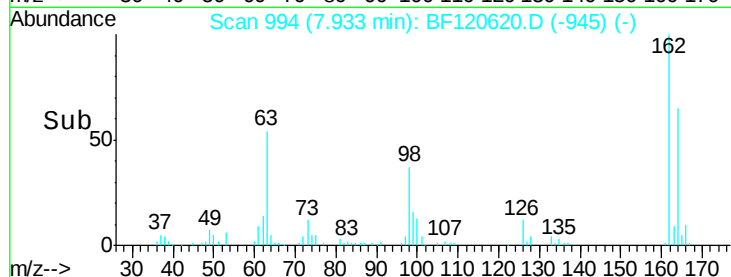
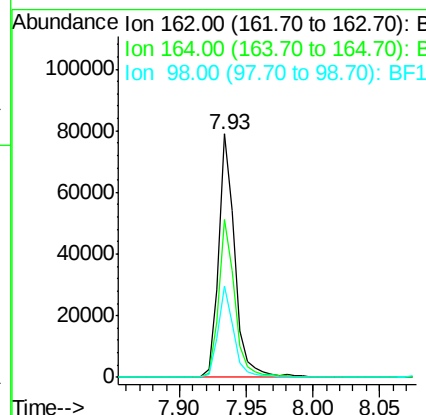
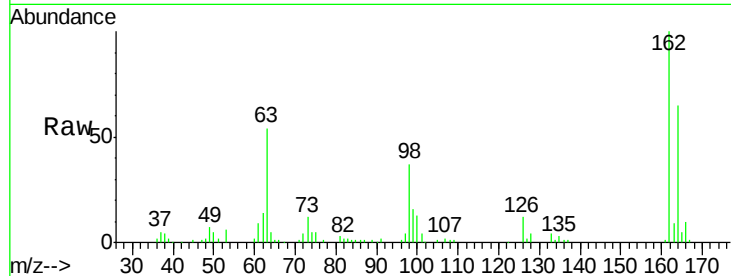
#29
2,4-Dichlorophenol
Concen: 7.775 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.1	84.1
98	37.3	14.7	54.7

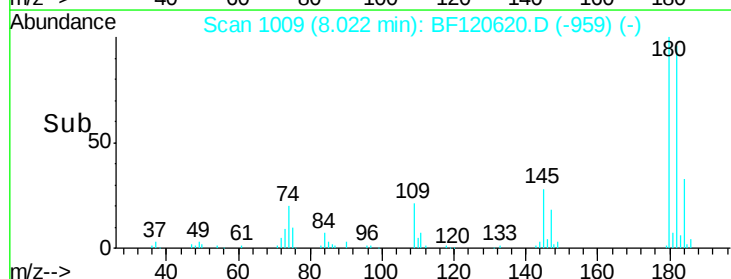
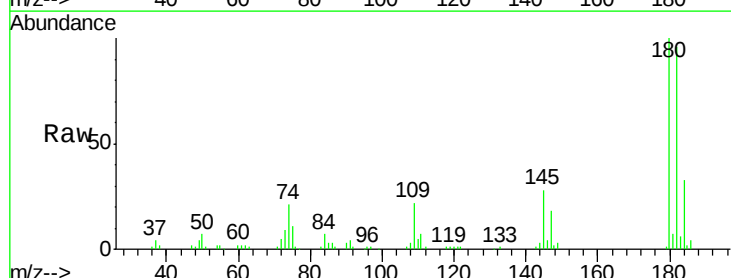
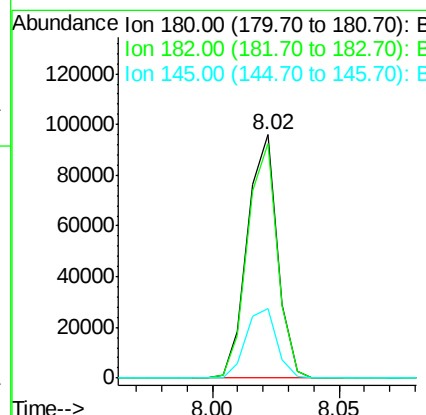
Manual Integrations
APPROVED

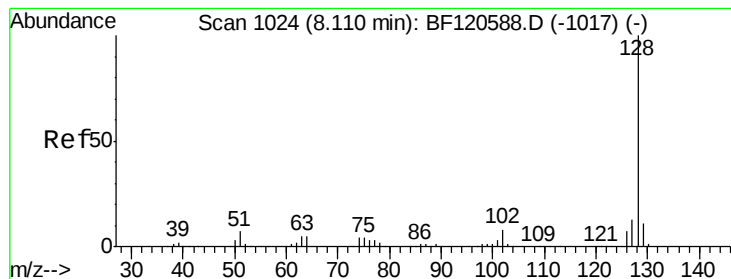
mohammad
6/16/2020 11:06:49 AM



#30
1,2,4-Trichlorobenzene
Concen: 8.117 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
145	28.3	23.0	34.6





#31

Naphthalene

Concen: 8.865 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

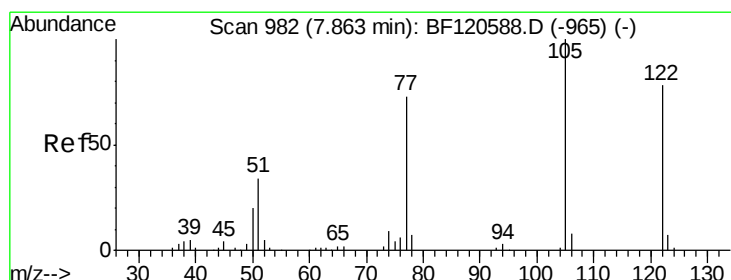
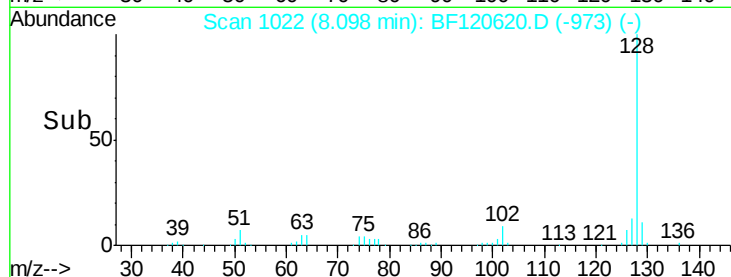
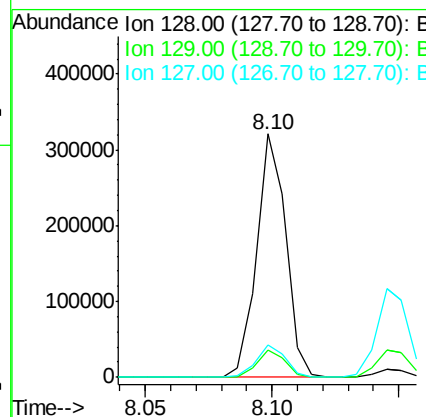
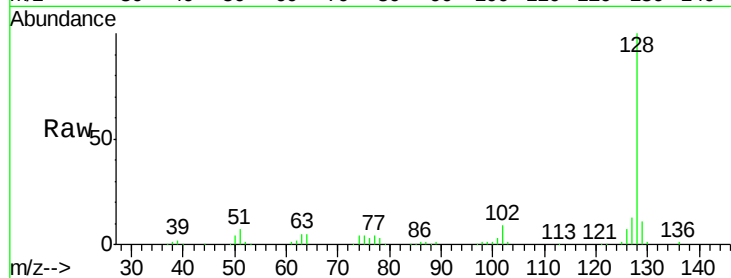
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.3	10.6	15.8

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#32

Benzoic acid

Concen: 3.817 ng m

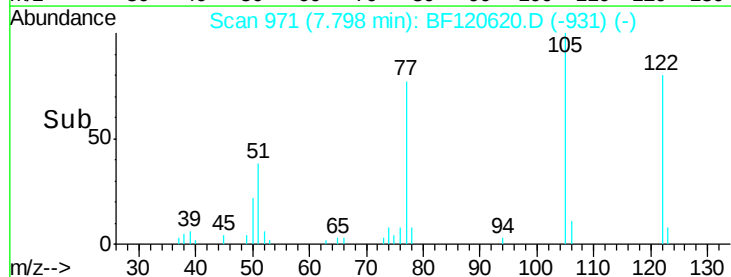
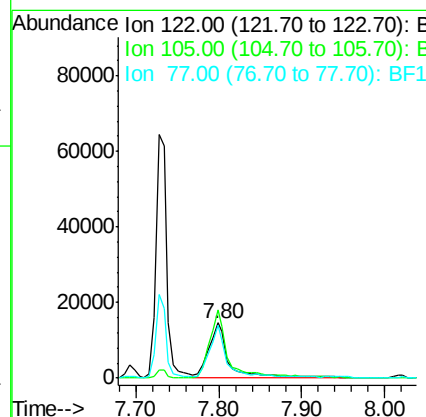
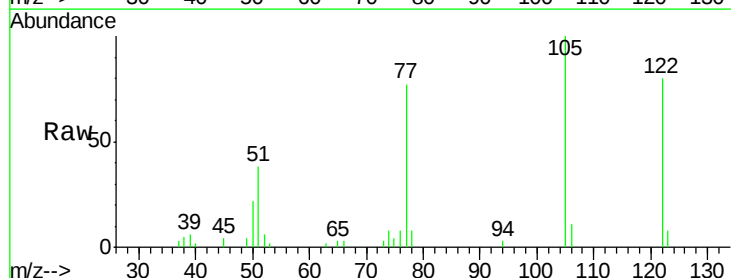
RT: 7.80 min Scan# 971

Delta R.T. -0.06 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.7	101.0	141.0
77	96.0	69.8	109.8





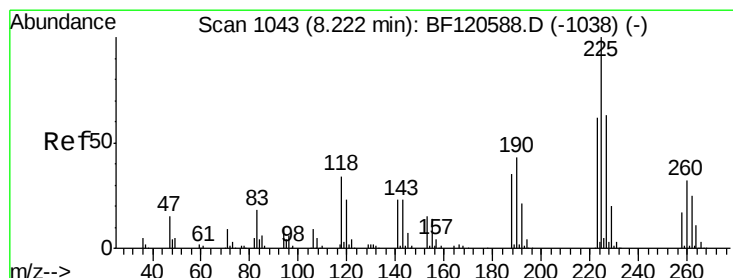
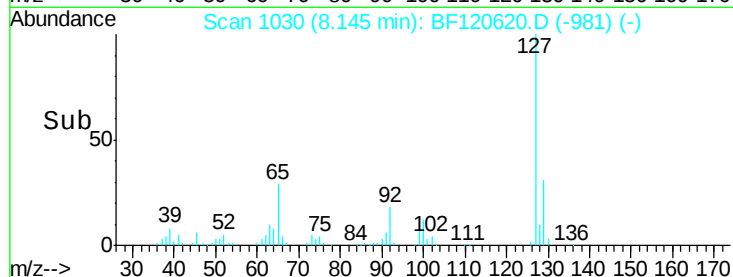
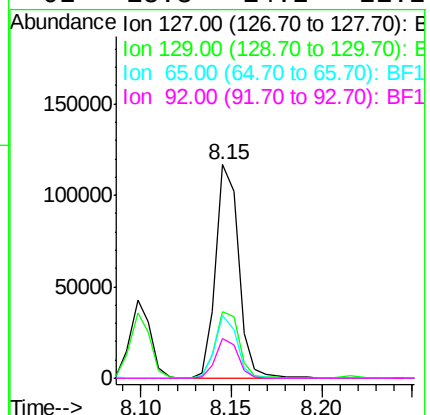
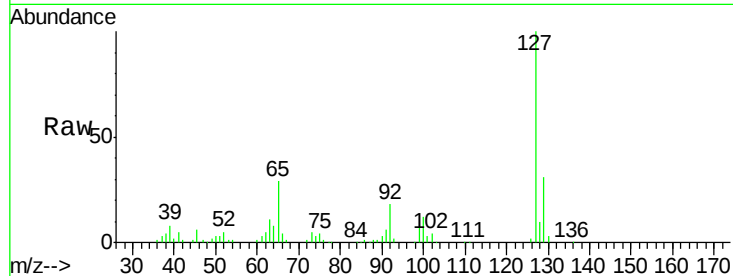
#33
4-Chloroaniline
Concen: 7.767 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.2	25.9	38.9		
65	29.4	22.2	33.4		
92	18.3	14.2	21.2		

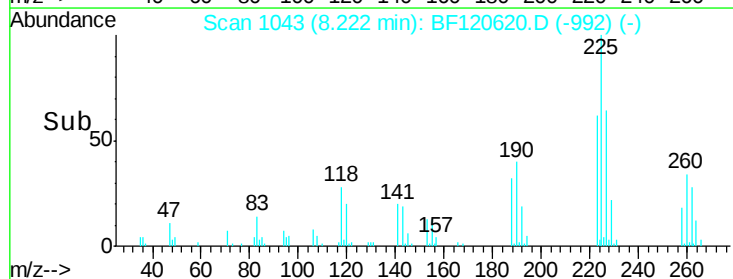
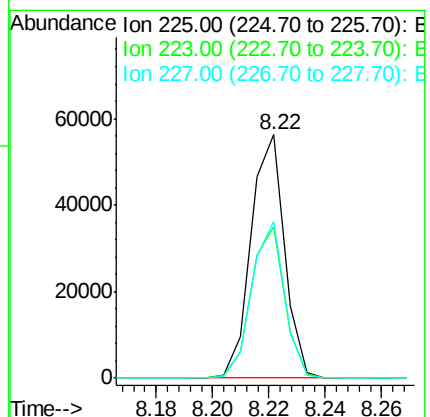
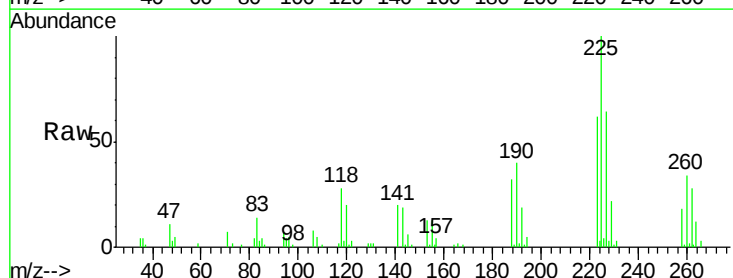
Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#34
Hexachlorobutadiene
Concen: 8.161 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	49.9	74.9		
227	64.1	50.5	75.7		





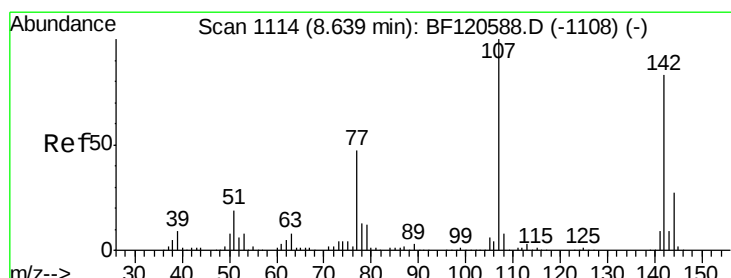
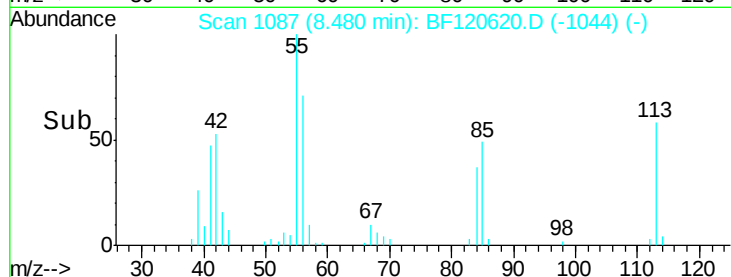
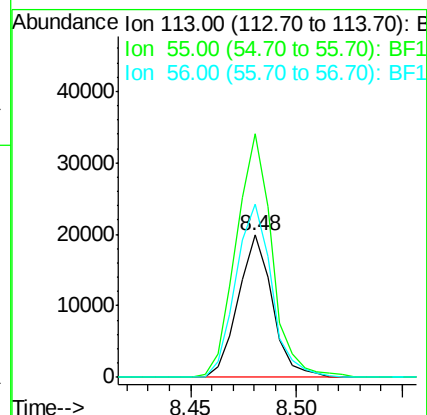
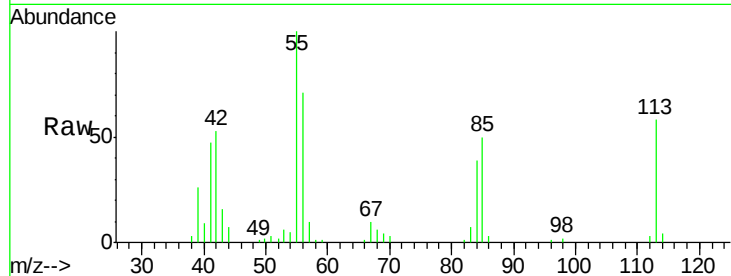
#35
Caprolactam
Concen: 7.947 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	171.0	133.1	173.1
56	121.7	98.4	138.4

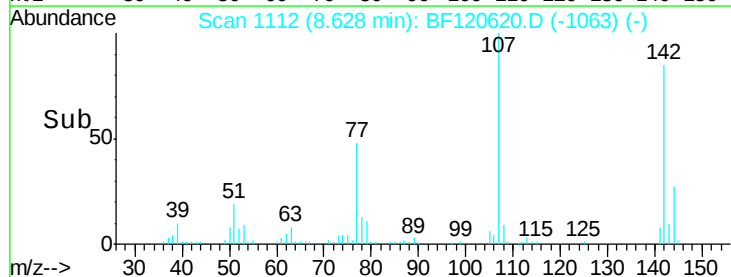
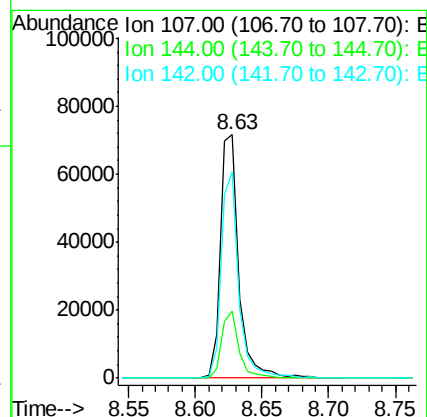
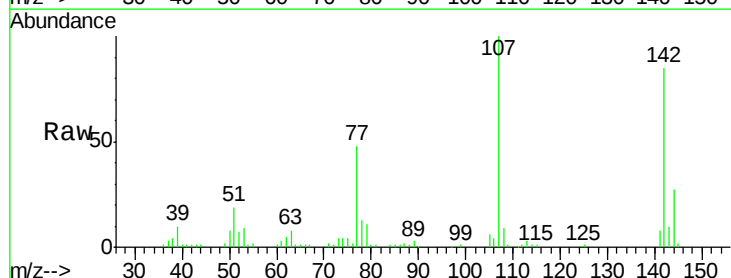
Manual Integrations
APPROVED

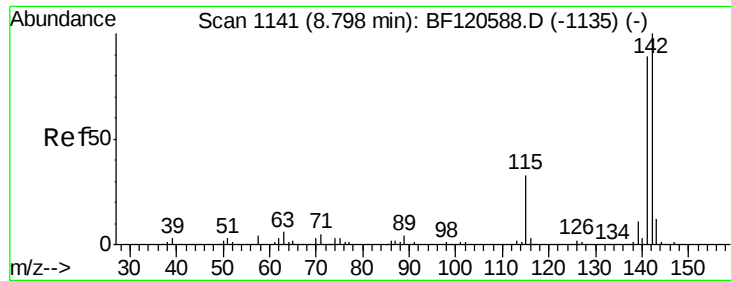
mohammad
6/16/2020 11:06:49 AM



#36
4-Chloro-3-methylphenol
Concen: 7.954 ng
RT: 8.63 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.5	21.4	32.2
142	84.7	66.3	99.5





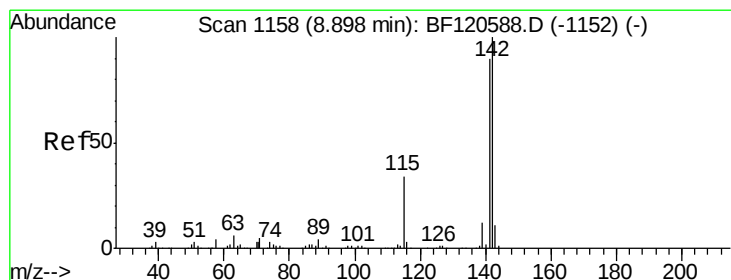
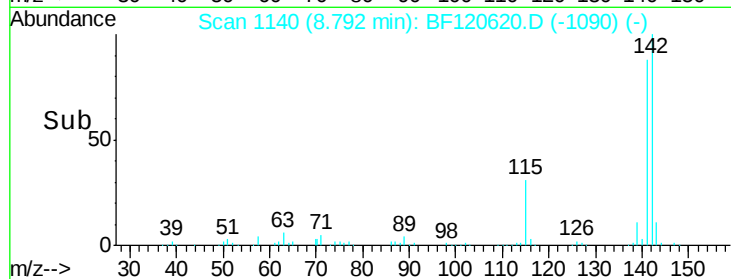
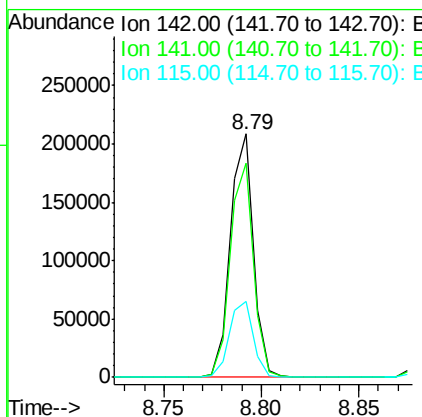
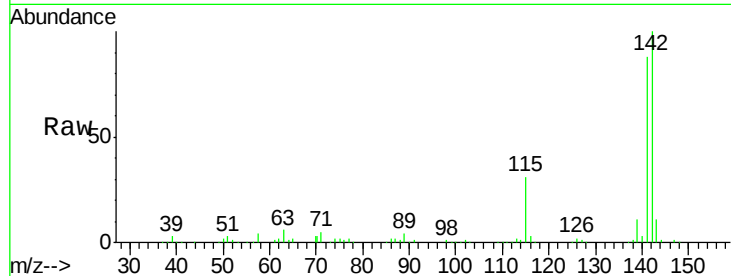
#37
2-Methylnaphthalene
Concen: 9.003 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.4	107.0
115	31.4	26.1	39.1

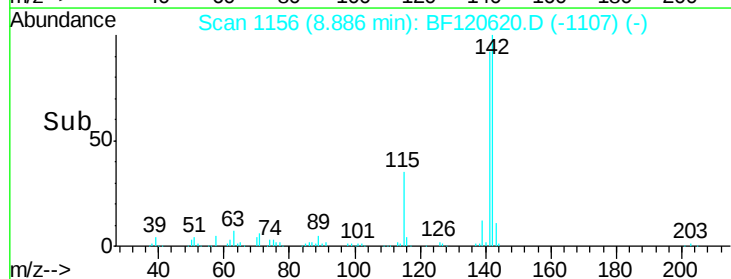
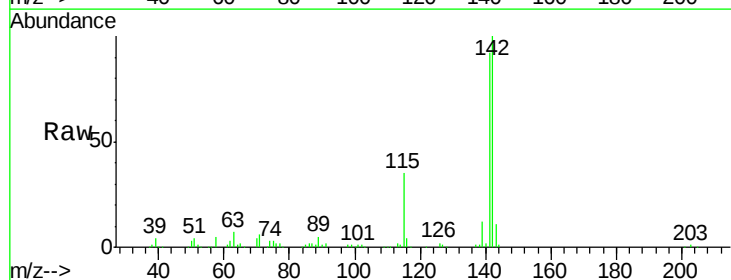
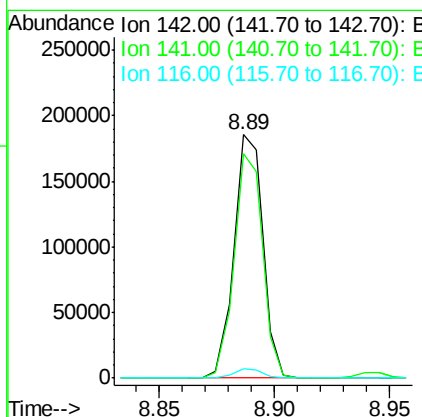
Manual Integrations
APPROVED

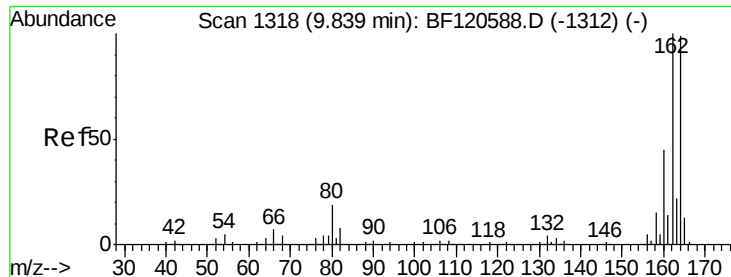
mohammad
6/16/2020 11:06:49 AM



#38
1-Methylnaphthalene
Concen: 9.090 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.1	108.1
116	3.7	2.7	4.1





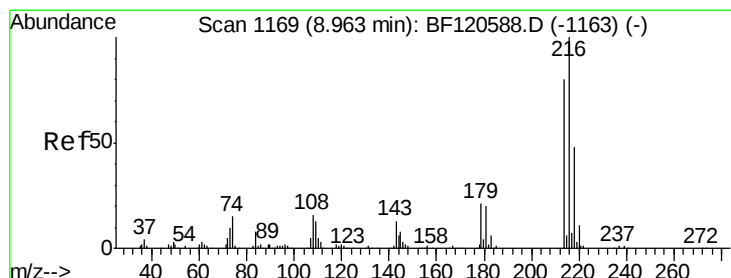
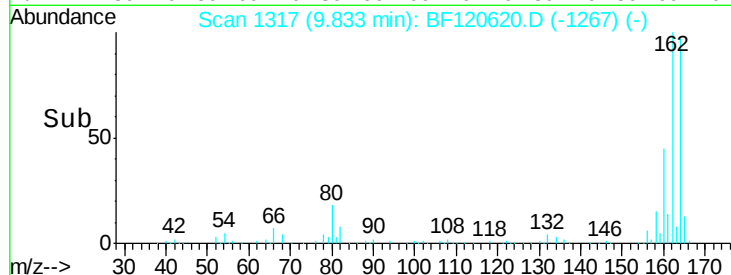
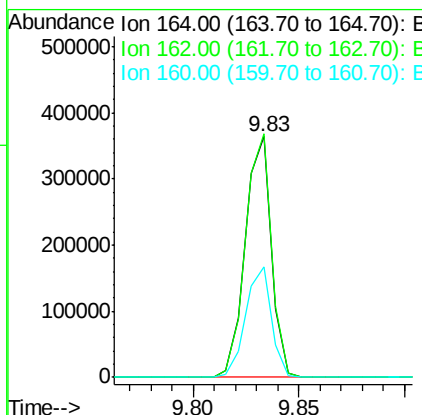
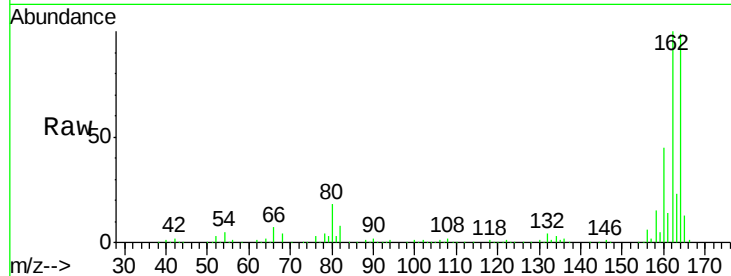
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.7	36.2	54.2

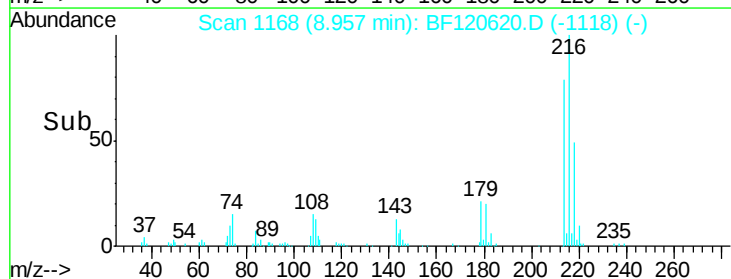
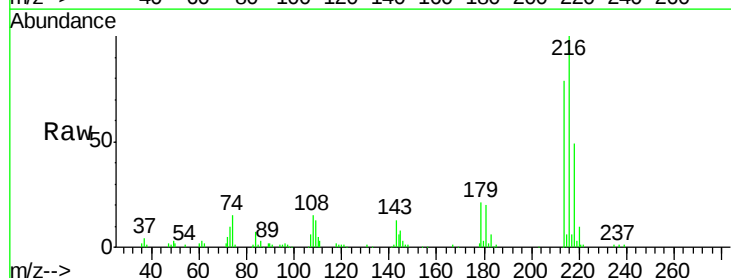
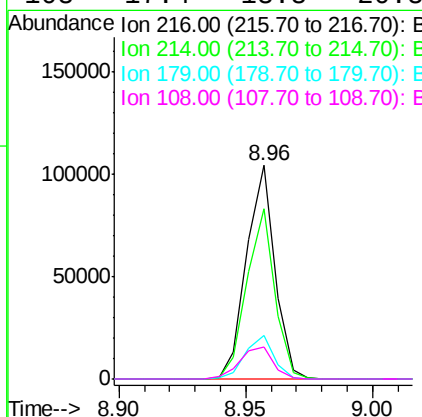
Manual Integrations
APPROVED

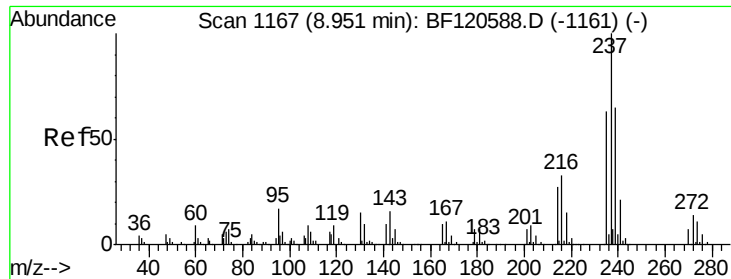
mohammad
6/16/2020 11:06:49 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.745 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.8	95.6
179	20.6	16.4	24.6
108	17.4	13.8	20.8





#41

Hexachlorocyclopentadiene

Concen: 5.596 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

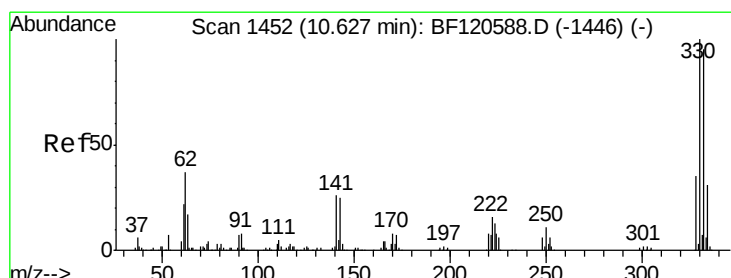
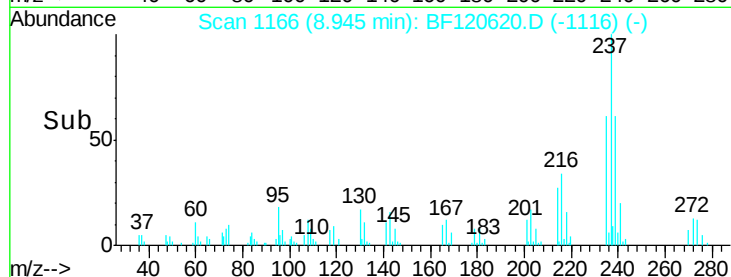
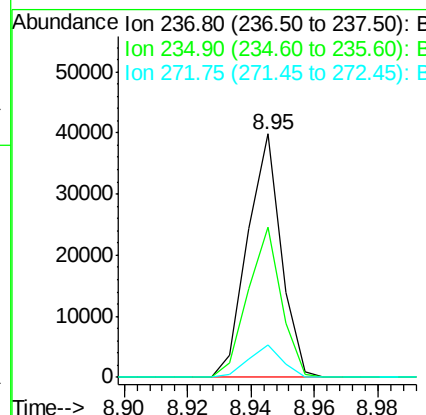
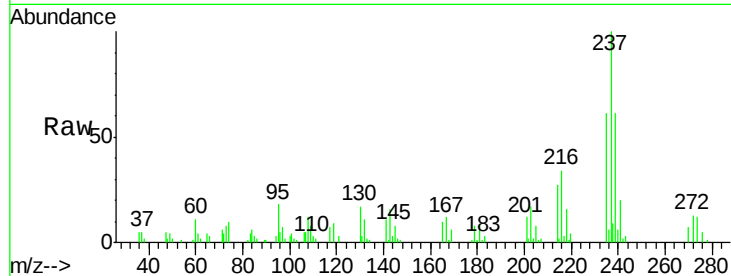
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	237	Resp:	29168
Ion Ratio	Lower	Upper	
237	100		
235	61.5	43.2	83.2
272	13.2	0.0	33.9

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#42

2,4,6-Tribromophenol

Concen: 149.449 ng

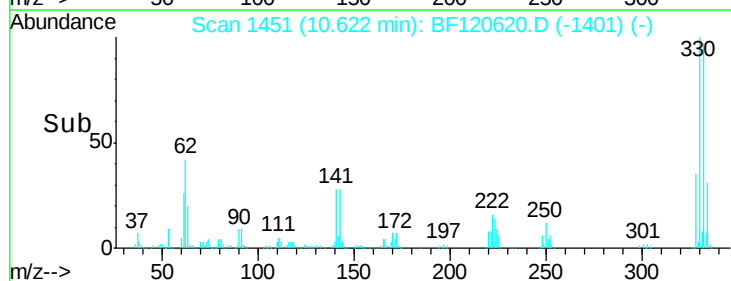
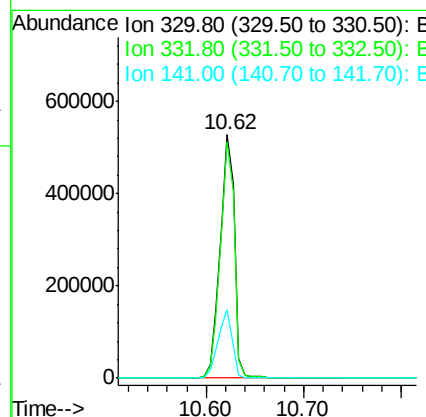
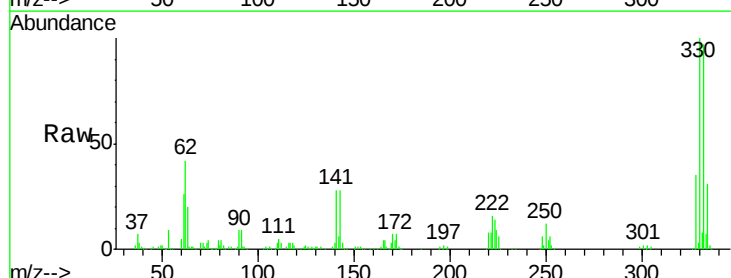
RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:	330	Resp:	541308
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.8	115.2
141	27.9	23.2	34.8





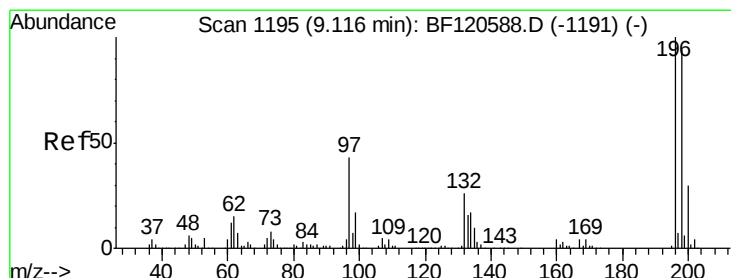
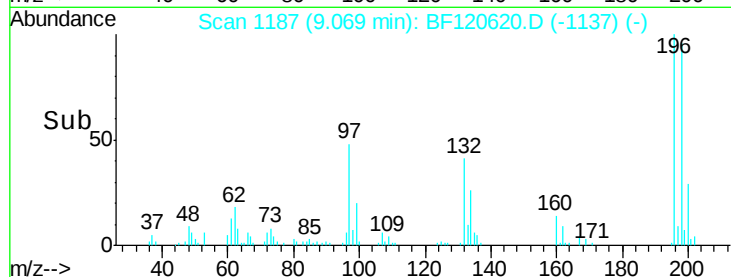
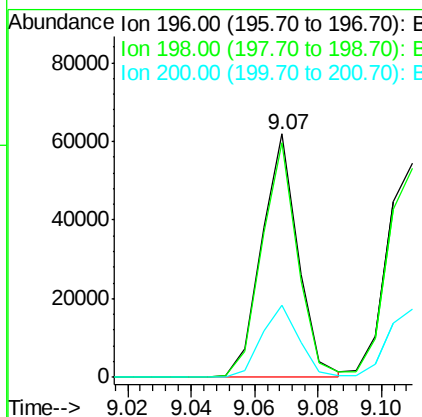
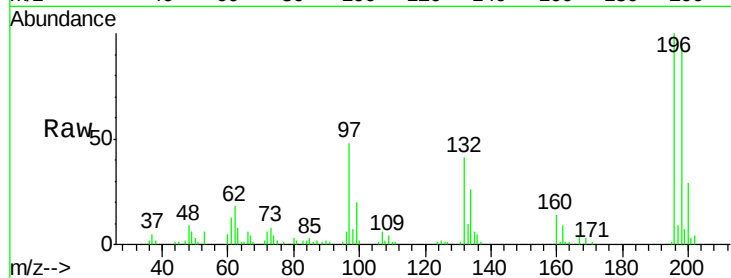
#43
 2,4,6-Trichlorophenol
 Concen: 7.449 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	49153		
198	96.3	76.2	114.2	
200	29.4	24.6	37.0	

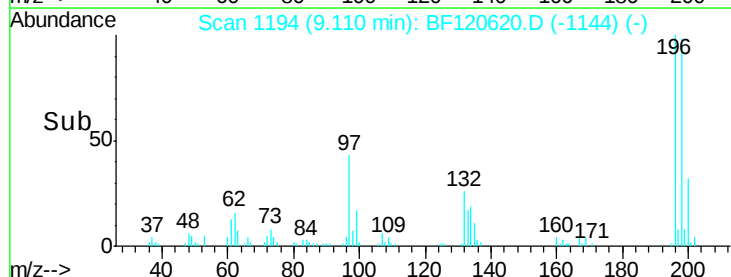
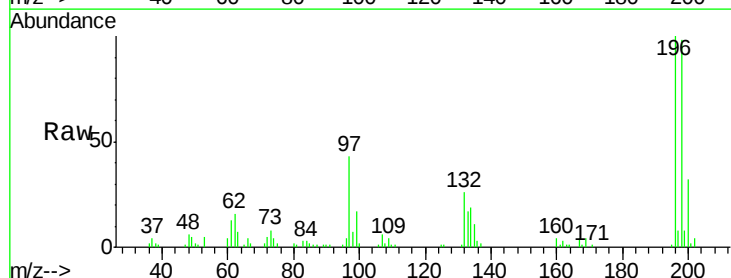
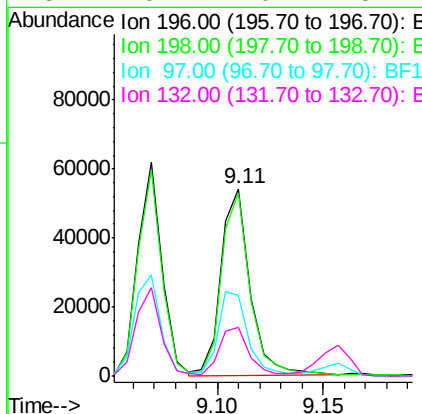
Manual Integrations
 APPROVED

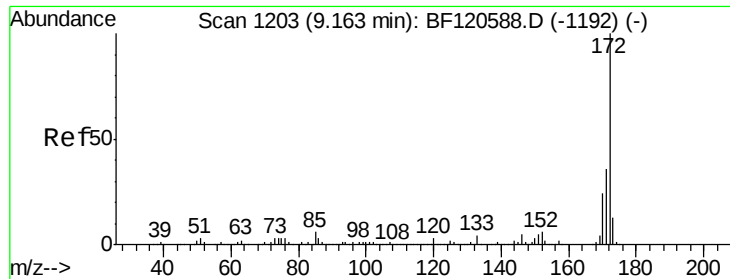
mohammad
 6/16/2020 11:06:49 AM



#44
 2,4,5-Trichlorophenol
 Concen: 6.841 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	51212		
198	97.6	75.5	113.3	
97	43.3	34.4	51.6	
132	26.1	20.7	31.1	





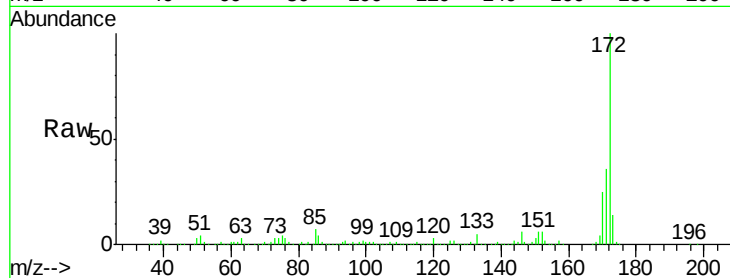
#45
2-Fluorobiphenyl
Concen: 95.250 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.7	19.4	29.2

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM

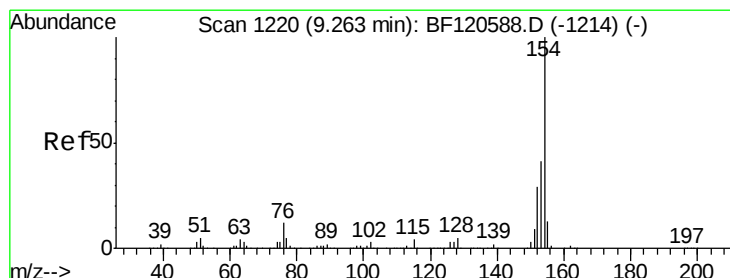
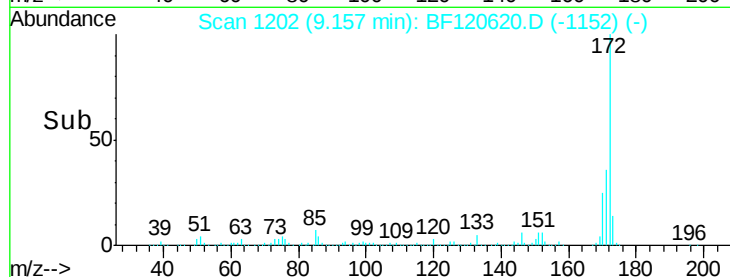
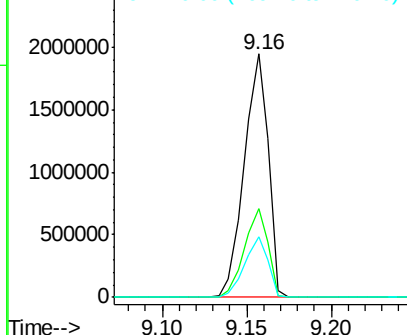


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 9.509 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

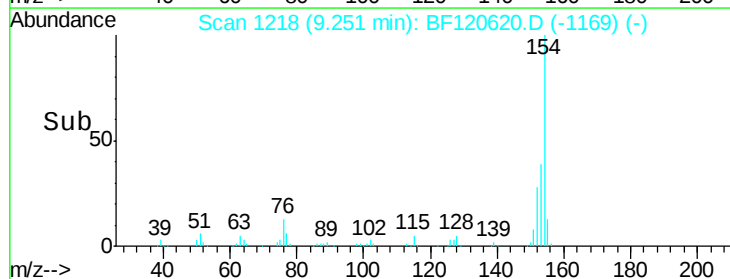
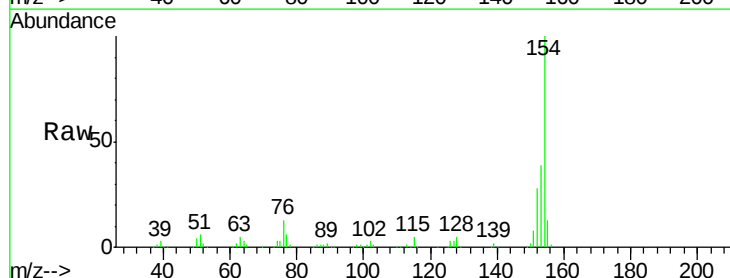
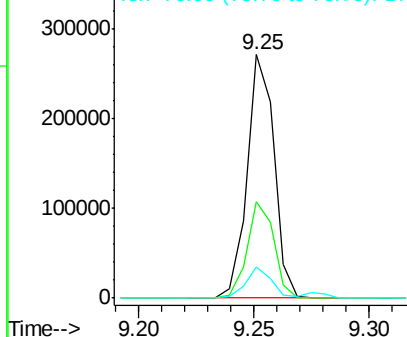
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	12.9	0.0	31.6

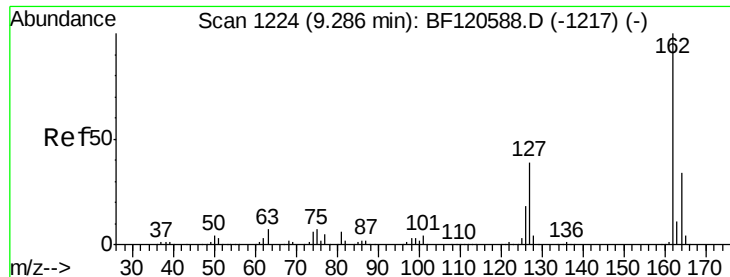
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





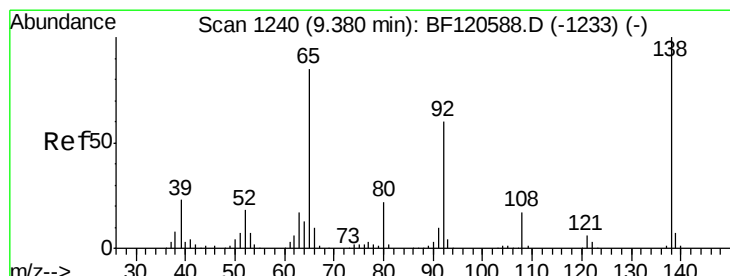
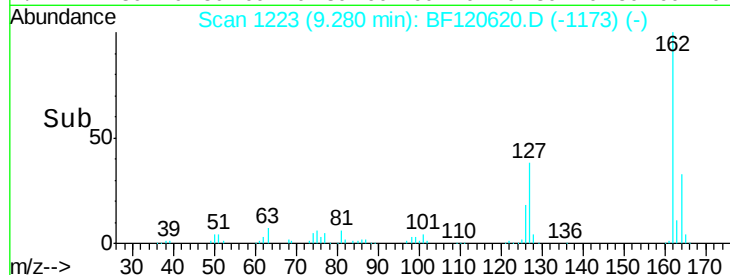
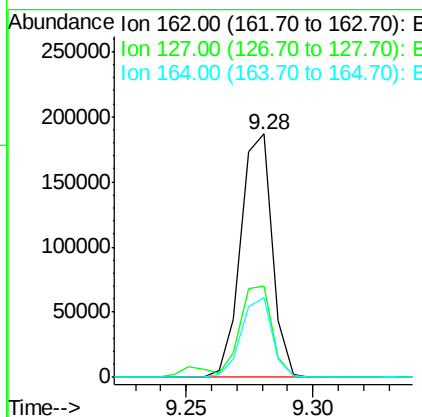
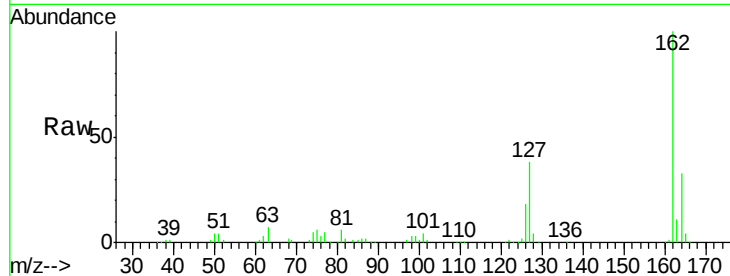
#47
2-Chloronaphthalene
Concen: 8.451 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	37.6	31.3	46.9
164	32.6	26.9	40.3

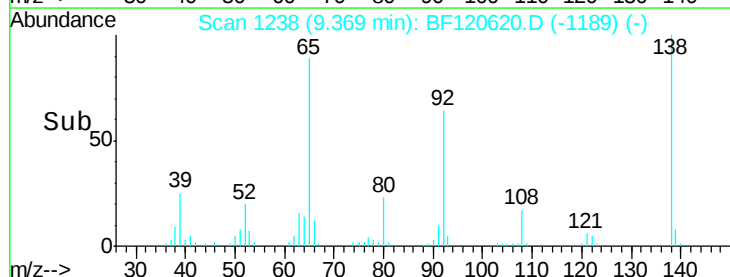
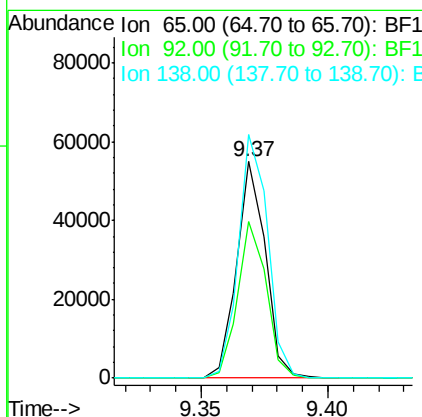
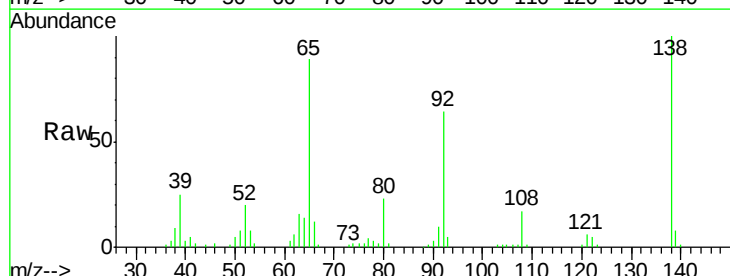
Manual Integrations
APPROVED

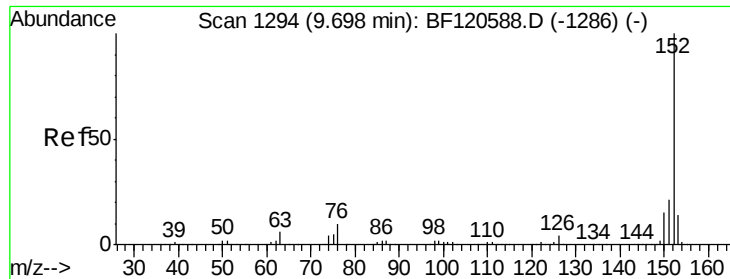
mohammad
6/16/2020 11:06:49 AM



#48
2-Nitroaniline
Concen: 7.199 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	72.2	56.0	84.0
138	112.6	94.0	141.0





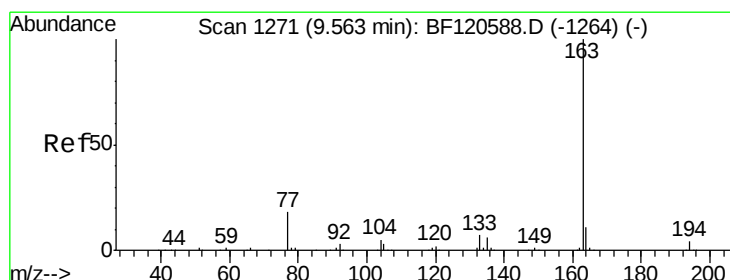
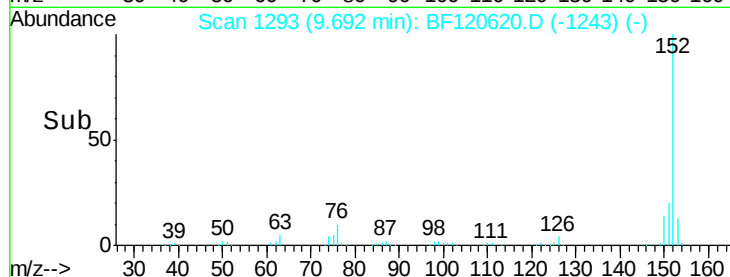
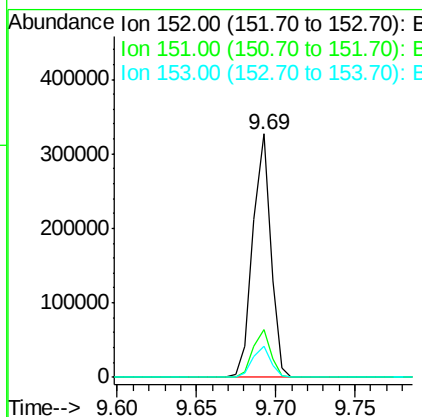
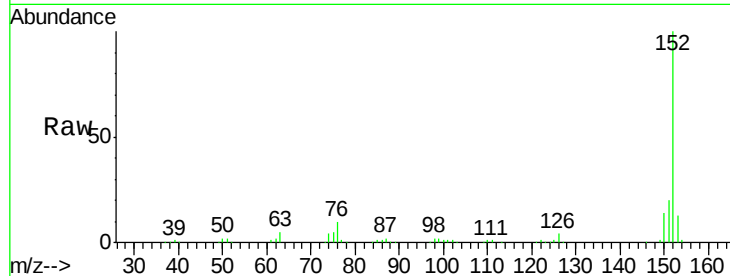
#49
Acenaphthylene
Concen: 8.779 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
152	100	257743		
151	19.7		16.6	25.0
153	12.6		11.0	16.6

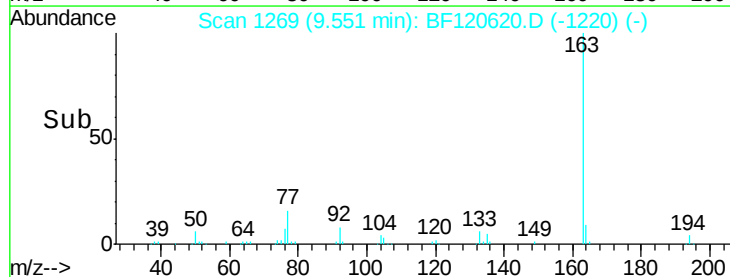
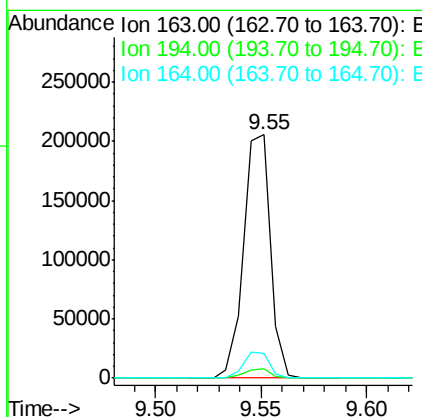
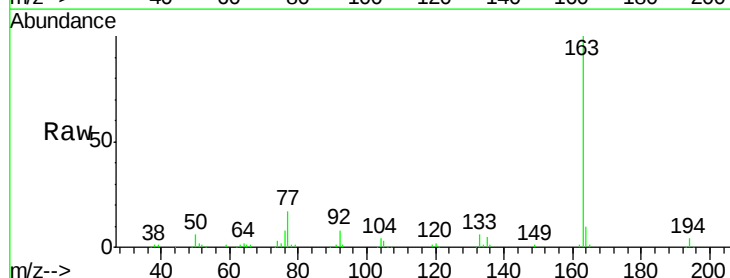
Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#50
Dimethylphthalate
Concen: 8.076 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	181197		
194	4.0		3.1	4.7
164	10.1		8.5	12.7





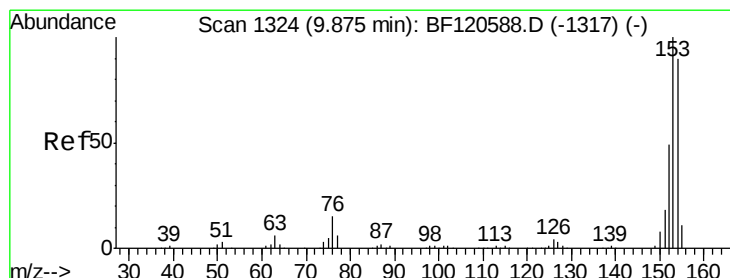
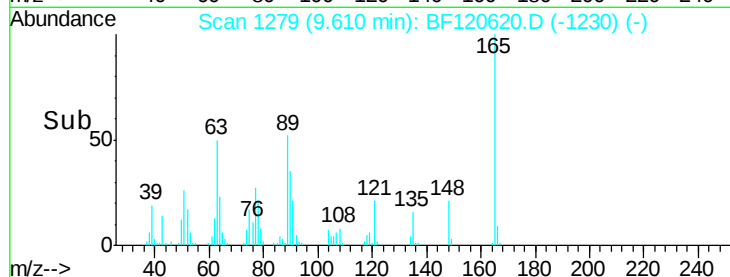
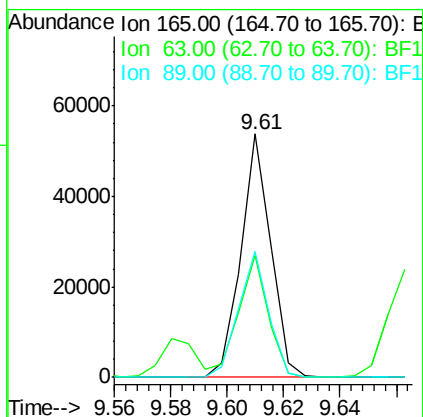
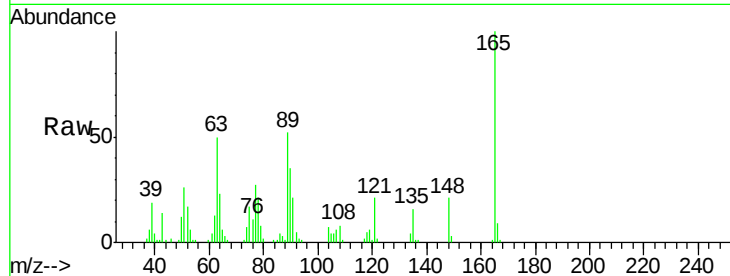
#51
2,6-Dinitrotoluene
Concen: 7.714 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	39225		
63	50.0		41.7	62.5
89	51.9		42.6	64.0

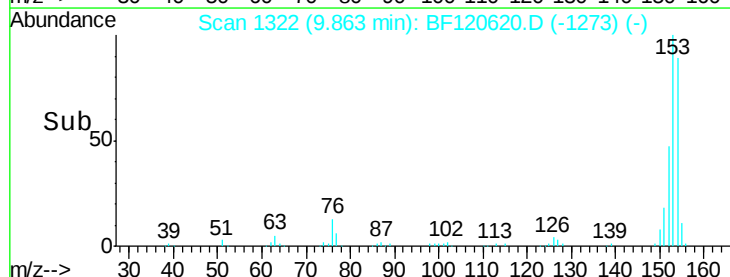
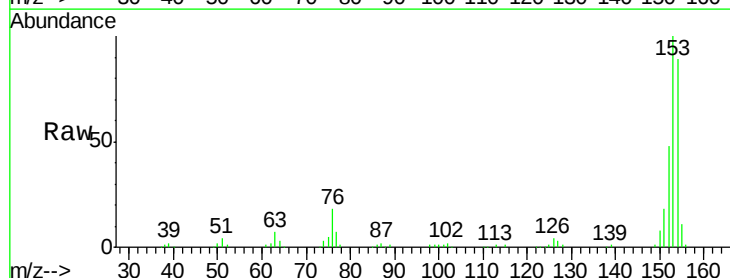
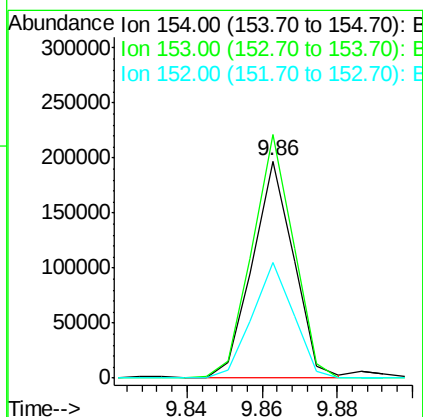
Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#52
Acenaphthene
Concen: 8.618 ng m
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	150895		
153	112.3		89.1	133.7
152	53.6		43.7	65.5





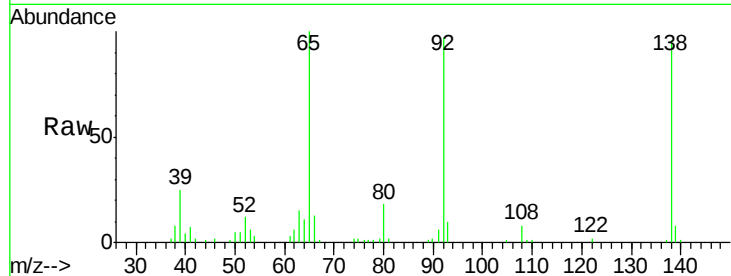
#53
 3-Nitroaniline
 Concen: 6.938 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

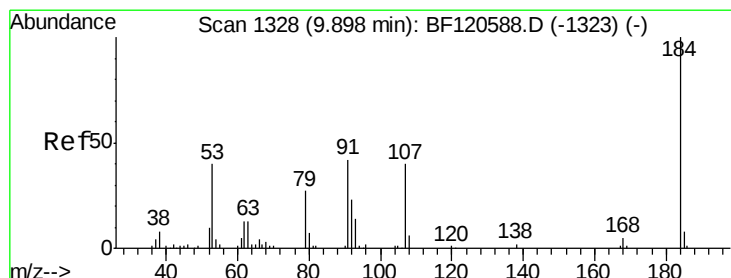
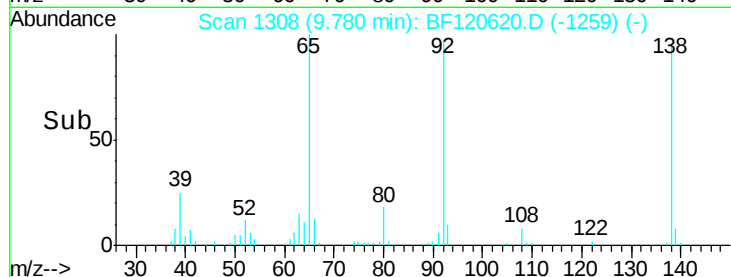
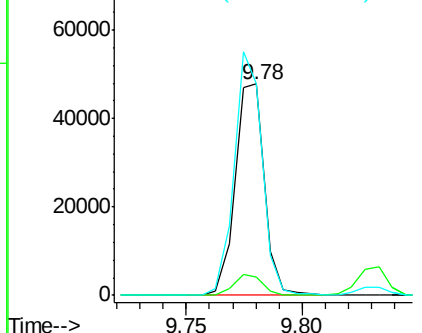
Tot Ion	Ratio	Lower	Upper
138	100		
108	8.6	8.0	12.0
92	100.5	86.0	129.0

Manual Integrations
 APPROVED

mohammad
 6/16/2020 11:06:49 AM



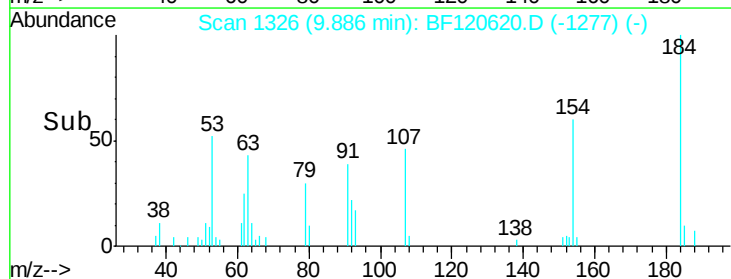
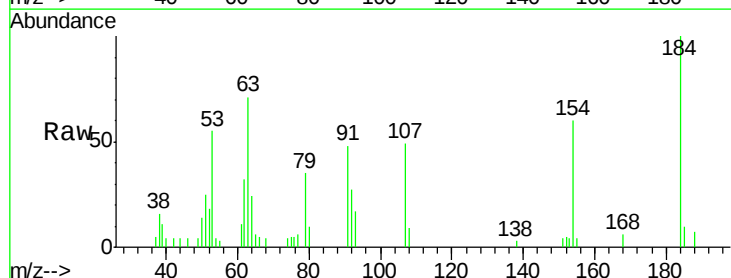
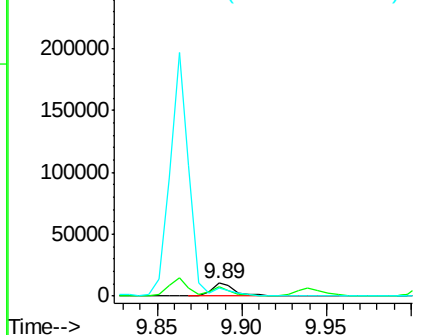
Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

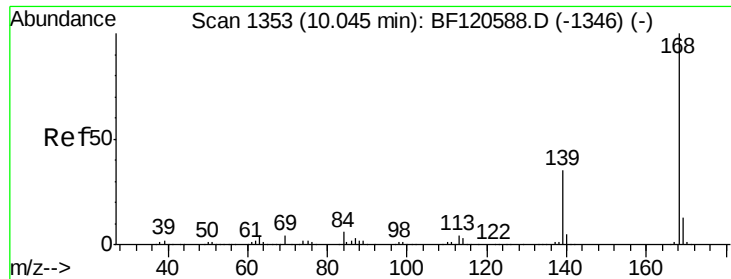


#54
 2,4-Dinitrophenol
 Concen: 3.970 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.9	44.2	66.2#
154	60.4	45.9	68.9

Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E





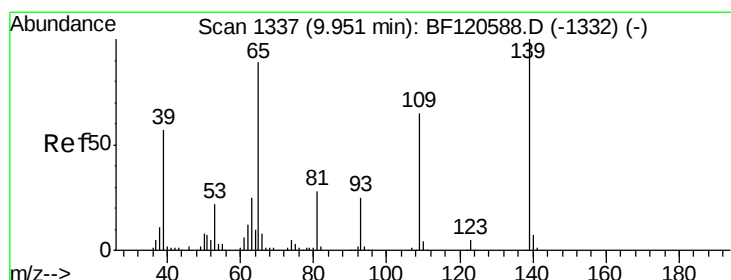
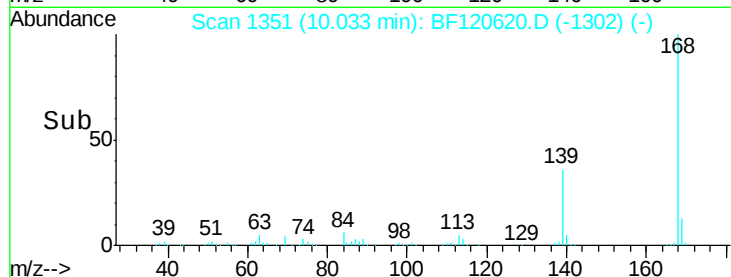
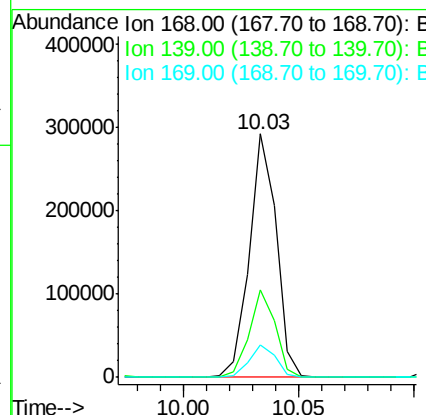
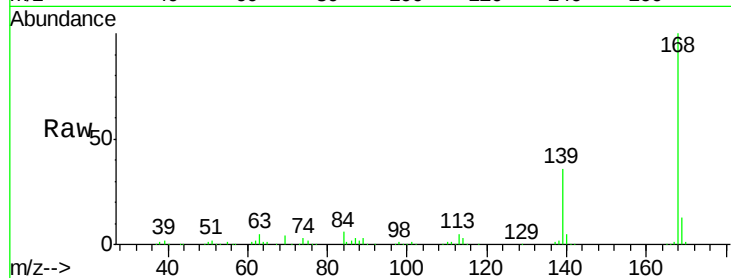
#55
Dibenzenofuran
Concen: 8.893 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.7	28.1	42.1
169	13.2	10.6	16.0

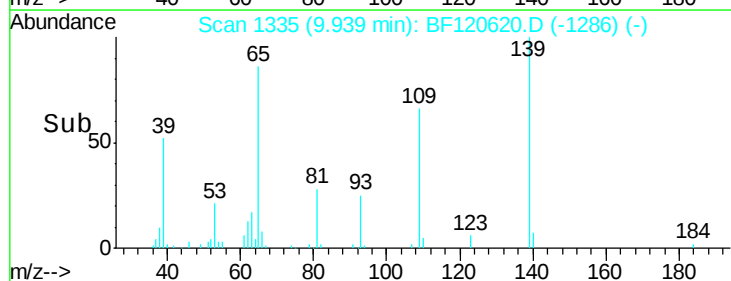
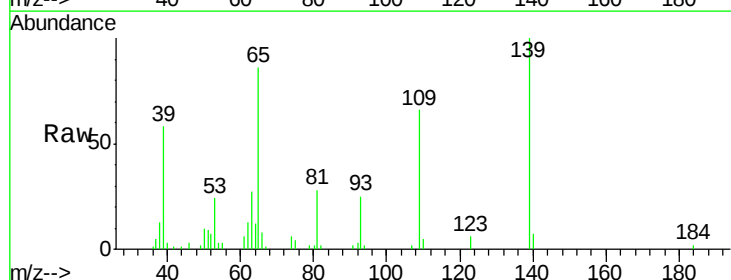
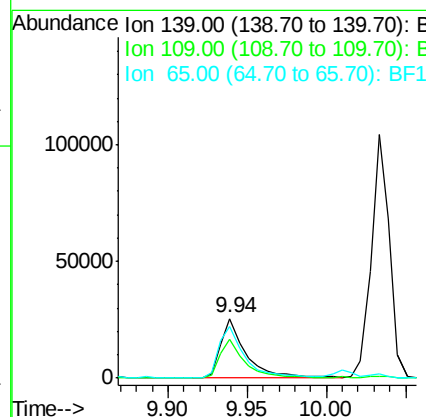
Manual Integrations
APPROVED

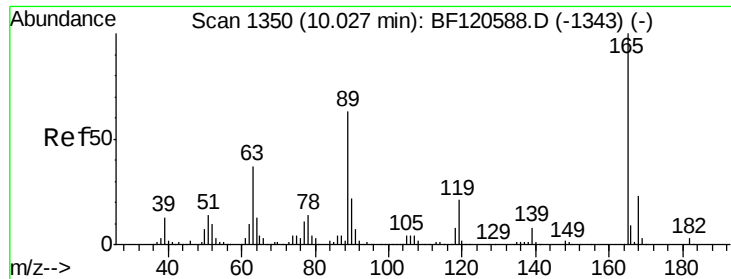
mohammad
6/16/2020 11:06:49 AM



#56
4-Nitrophenol
Concen: 6.208 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.6	44.6	84.6
65	86.3	69.2	109.2





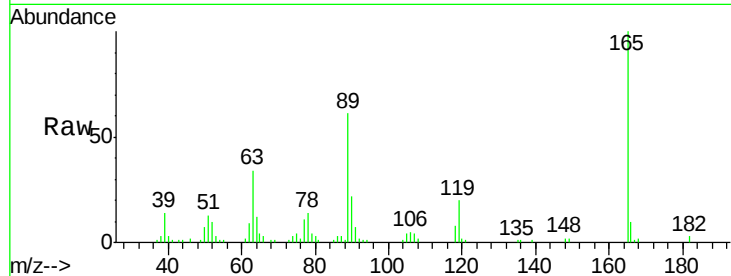
#57
2,4-Dinitrotoluene
Concen: 7.345 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		49556		
63	34.4	29.8	44.8		
89	61.2	50.4	75.6		
182	2.7	2.1	3.1		

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM

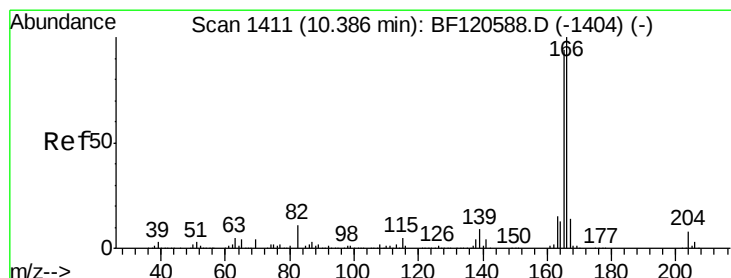
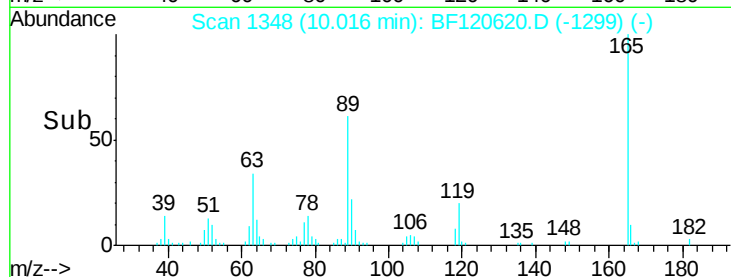
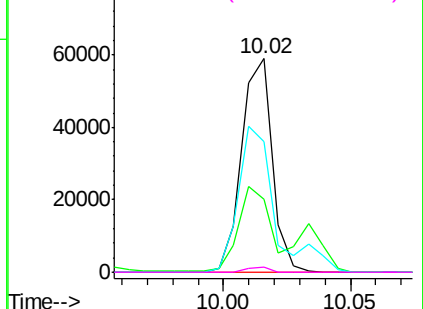


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

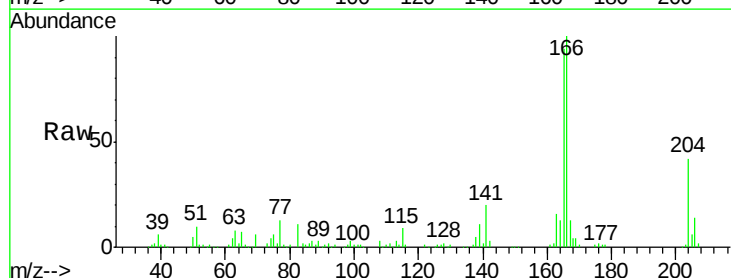
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 8.735 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

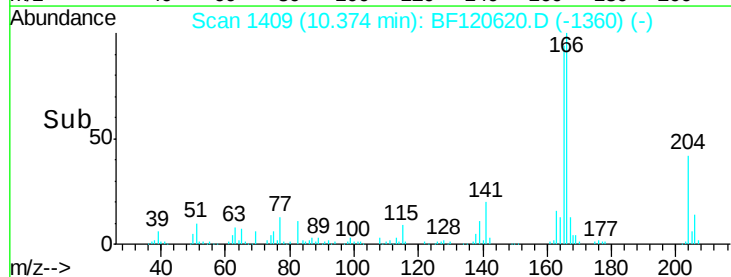
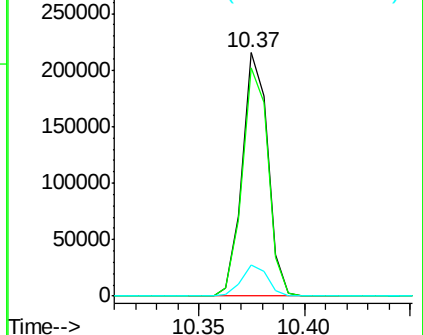
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		180782		
165	93.8	75.0	112.6		
167	13.0	11.0	16.4		

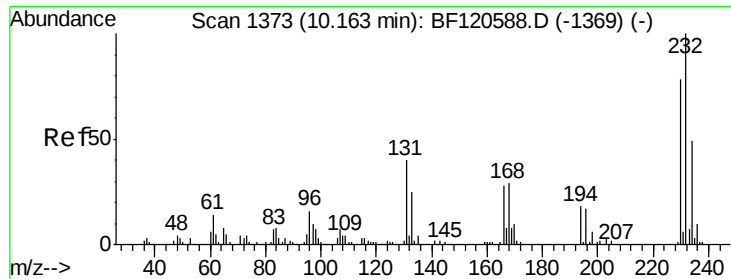


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





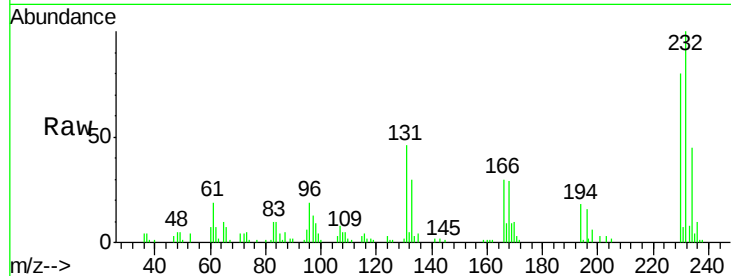
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.594 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

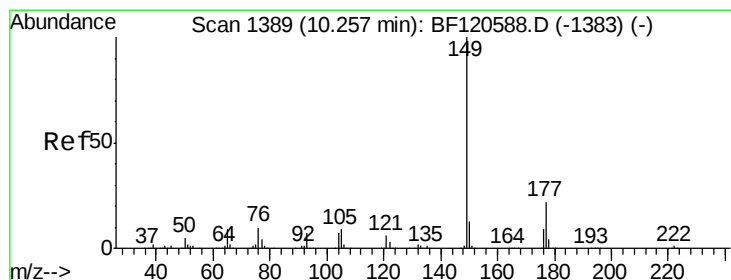
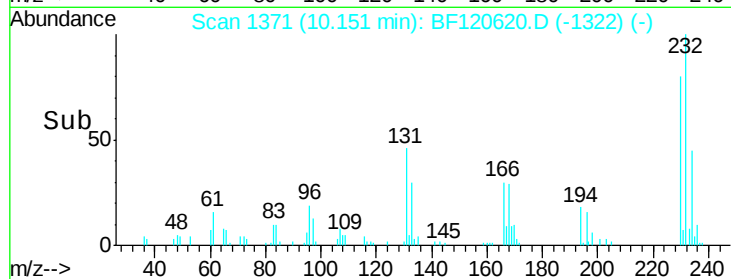
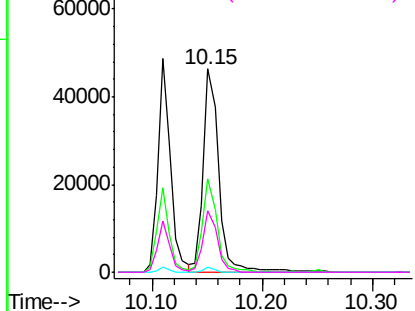
Tot Ion:	232	Resp:	44727
Ion Ratio	Lower	Upper	
232	100		
131	42.3	33.5	50.3
130	1.7	1.5	2.3
166	27.3	23.4	35.0

Manual Integrations
 APPROVED

mohammad
 6/16/2020 11:06:49 AM

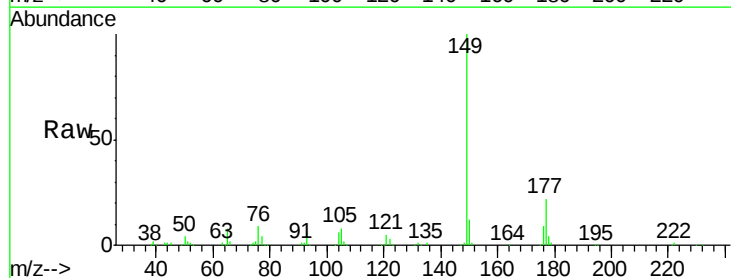


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

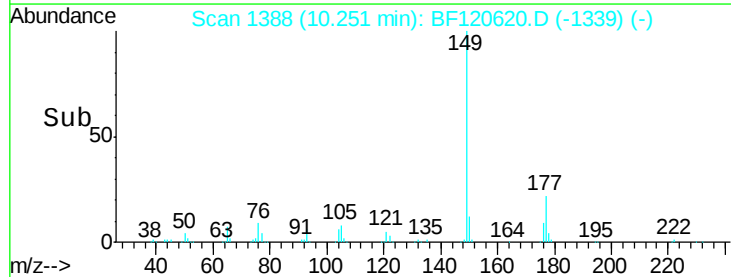
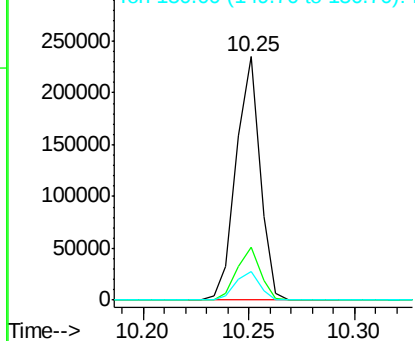


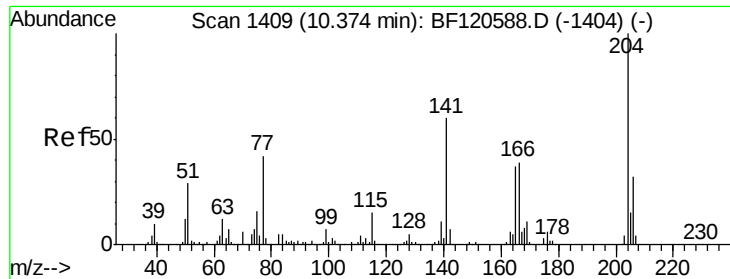
#60
 Diethylphthalate
 Concen: 8.260 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:	149	Resp:	182531
Ion Ratio	Lower	Upper	
149	100		
177	21.8	17.3	25.9
150	11.9	10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





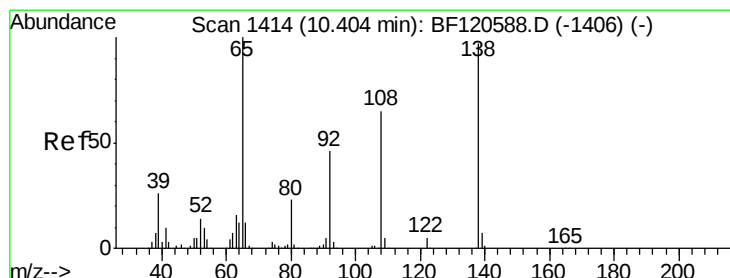
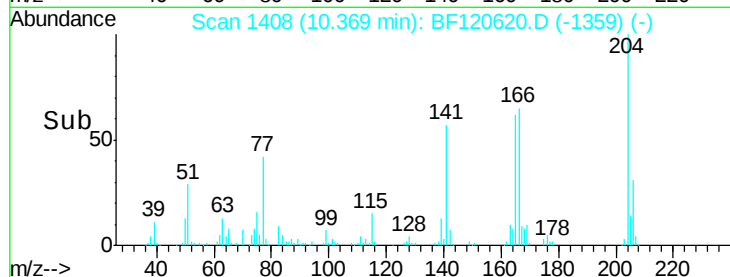
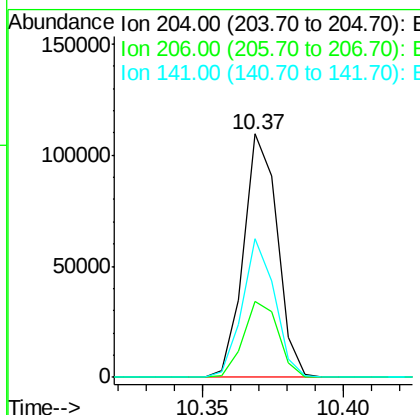
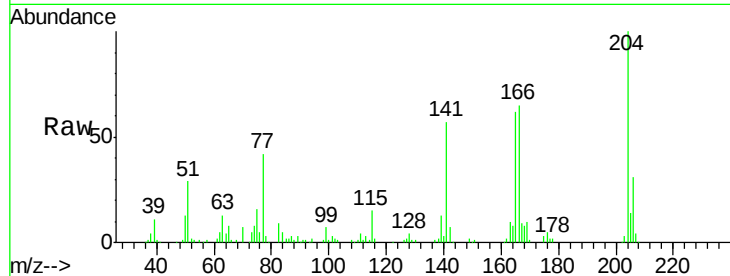
#61
4-Chlorophenyl-phenylether
Concen: 8.504 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.9	38.9
141	57.2	47.6	71.4

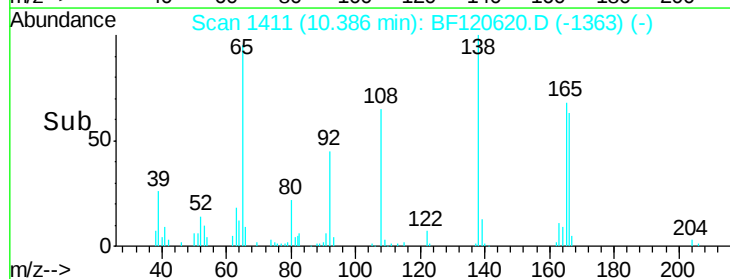
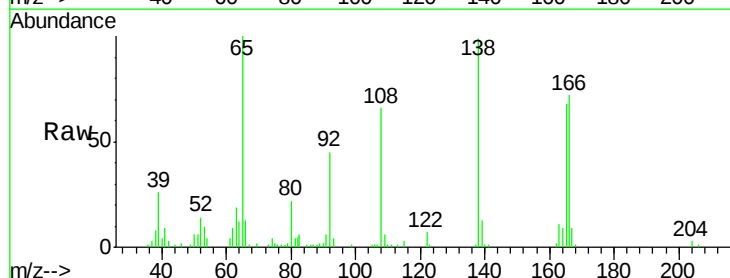
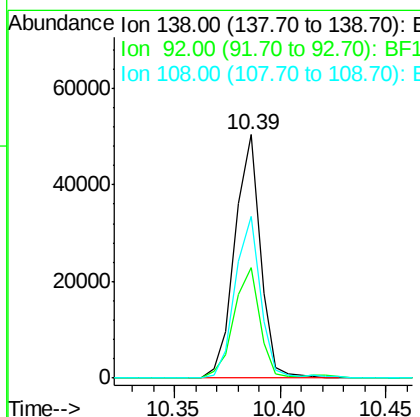
Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#62
4-Nitroaniline
Concen: 6.983 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.4	27.3	67.3
108	66.6	47.4	87.4





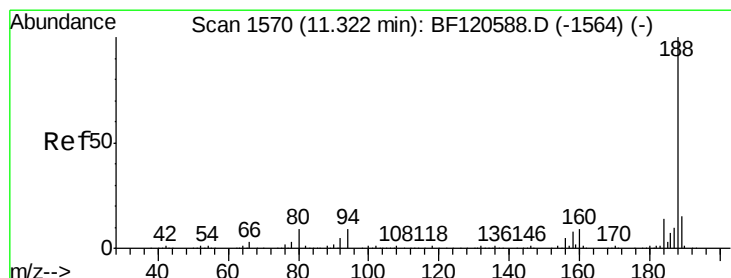
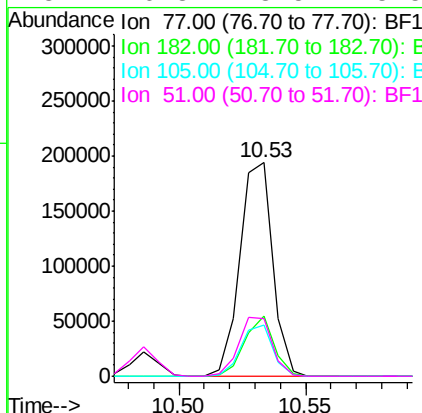
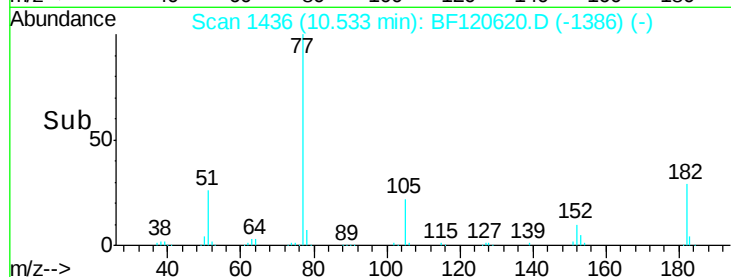
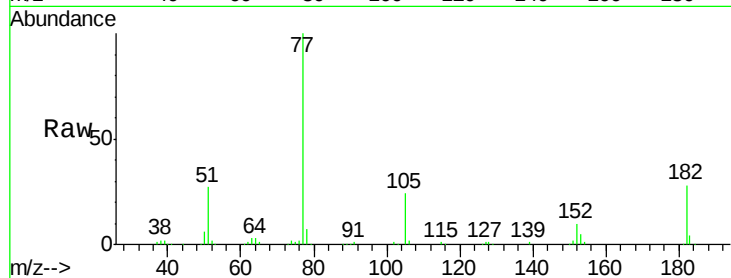
#63
Azobenzene
Concen: 8.723 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		174972		
182	28.3	7.7	47.7		
105	23.7	3.2	43.2		
51	26.8	8.5	48.5		

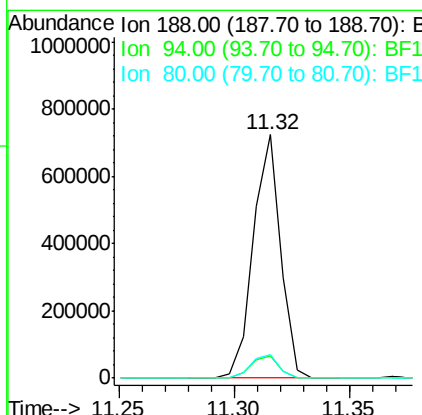
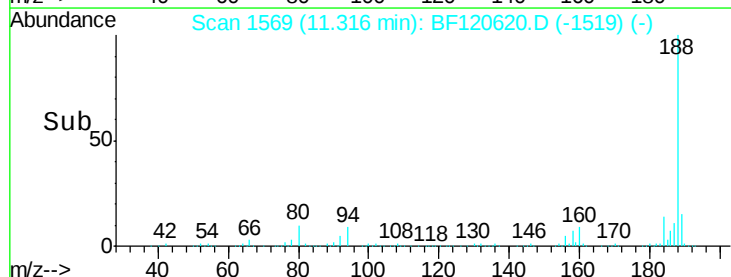
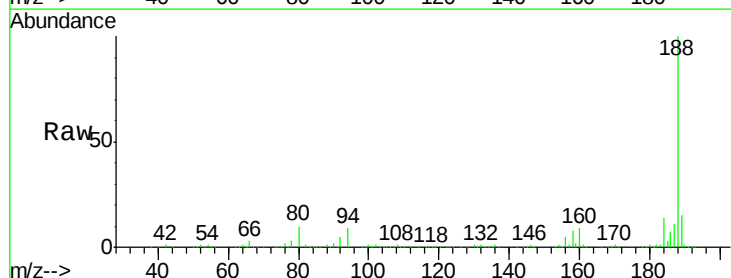
Manual Integrations
APPROVED

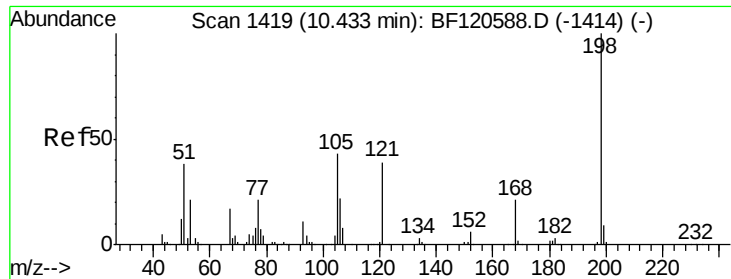
mohammad
6/16/2020 11:06:49 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		598492		
94	9.0	7.2	10.8		
80	9.5	7.4	11.2		





#65

4,6-Dinitro-2-methylphenol

Concen: 5.542 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

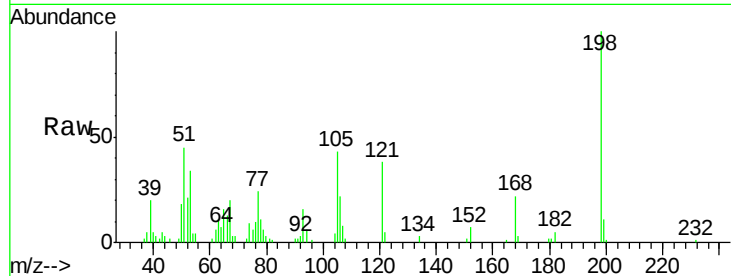
ClientSampleId :

MDL-SOIL-03-QT2-2020

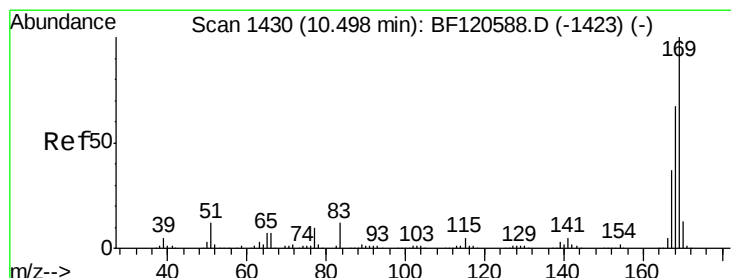
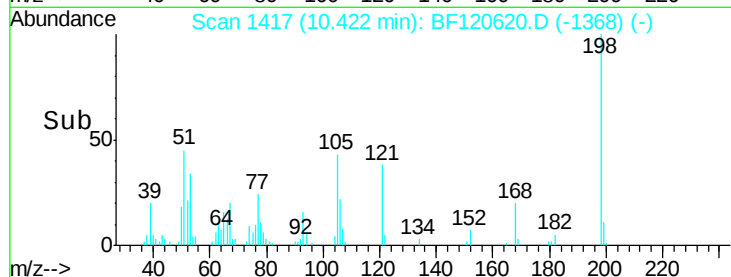
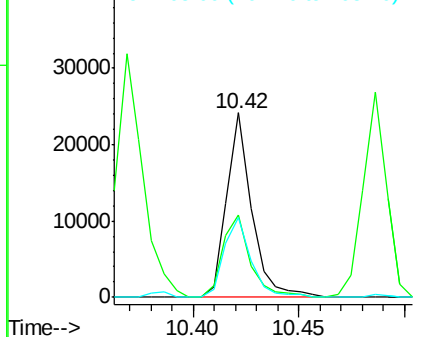
Tot Ion:	198	Resp:	19904
Ion Ratio	Lower	Upper	
198	100		
51	44.6	24.8	64.8
105	43.2	23.9	63.9

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.662 ng

RT: 10.49 min Scan# 1428

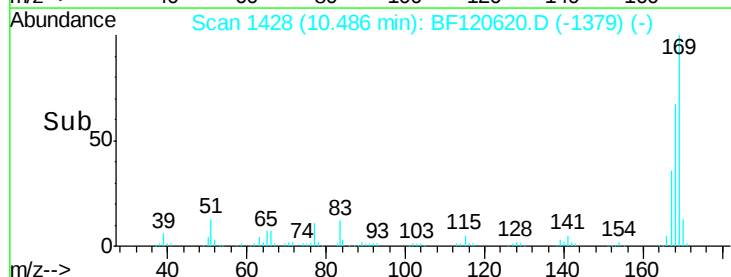
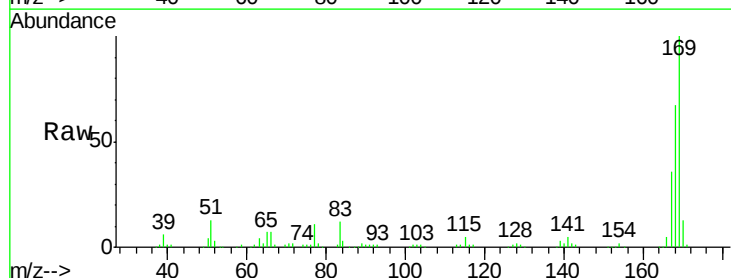
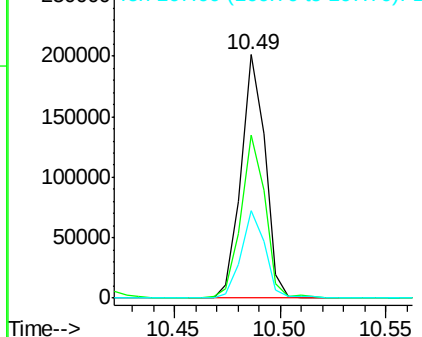
Delta R.T. -0.01 min

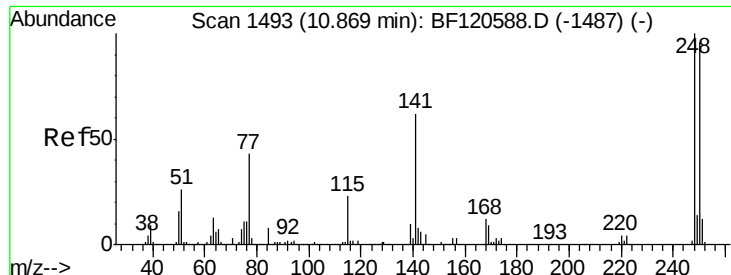
Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:	169	Resp:	159209
Ion Ratio	Lower	Upper	
169	100		
168	66.9	53.7	80.5
167	36.2	29.9	44.9

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





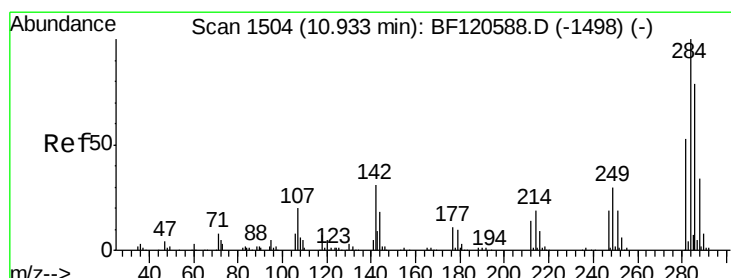
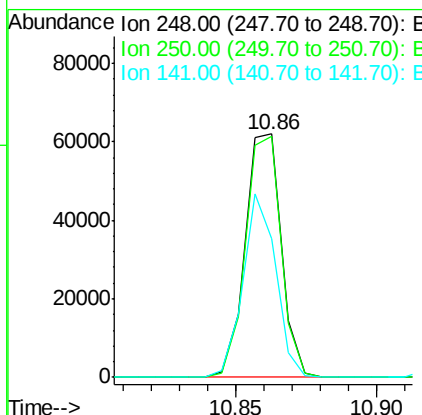
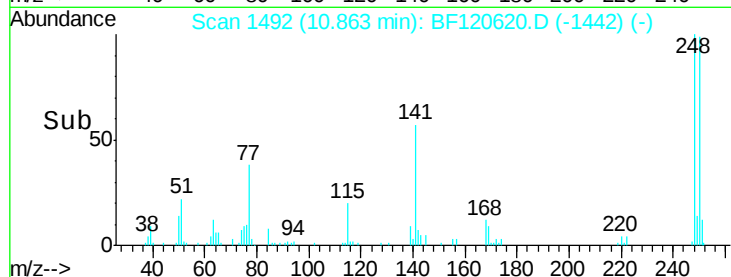
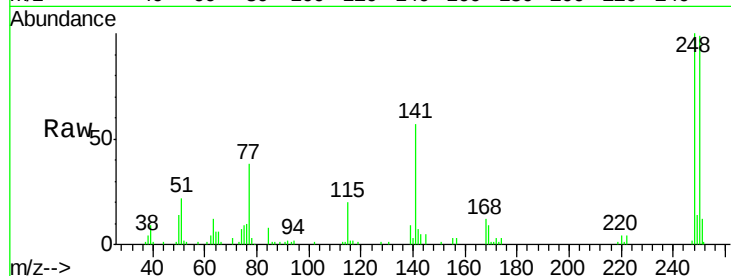
#67
 4-Bromophenyl-phenylether
 Concen: 8.098 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.9	76.7	115.1
141	57.0	49.4	74.0

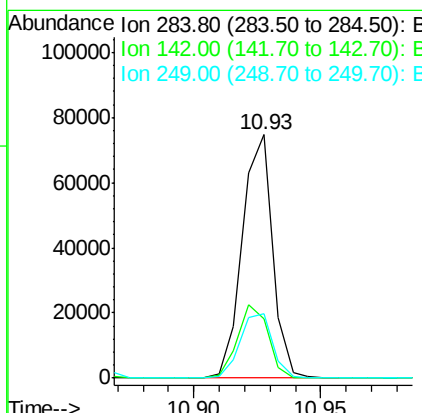
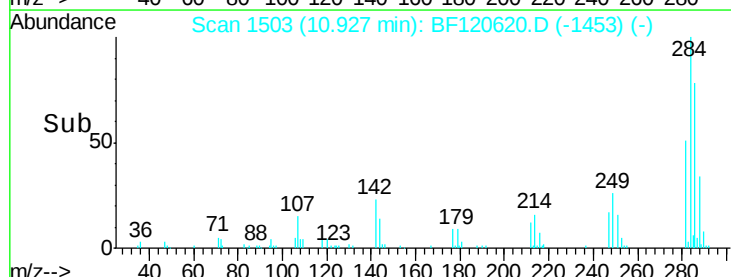
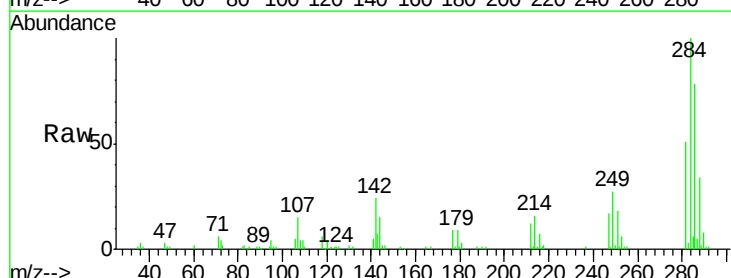
Manual Integrations
 APPROVED

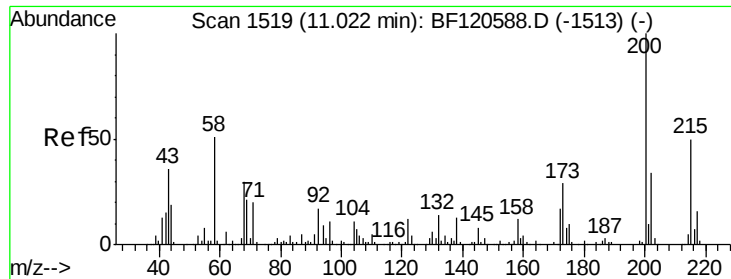
mohammad
 6/16/2020 11:06:49 AM



#68
 Hexachlorobenzene
 Concen: 8.502 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.3	25.1	37.7#
249	26.7	24.0	36.0





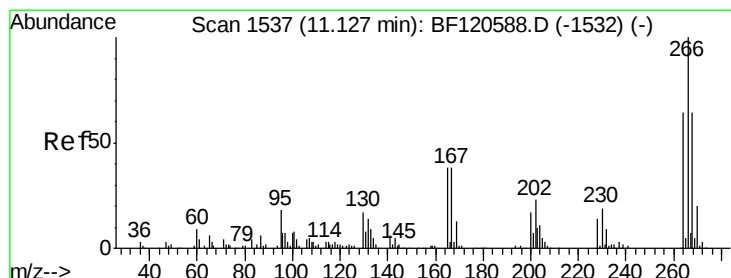
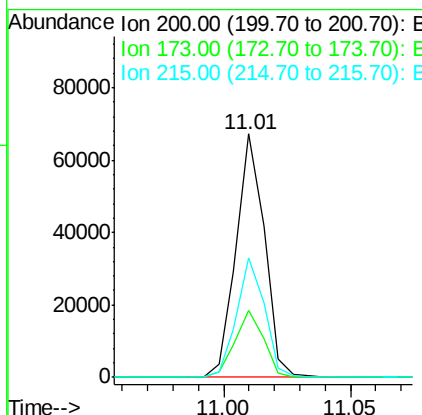
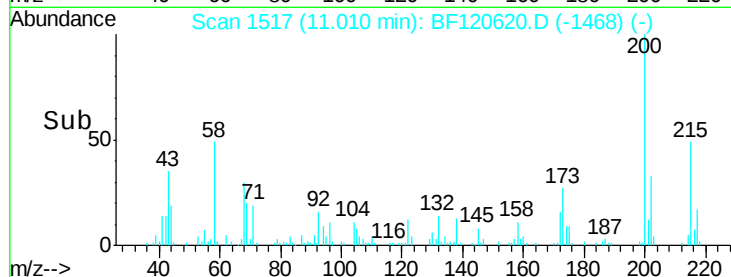
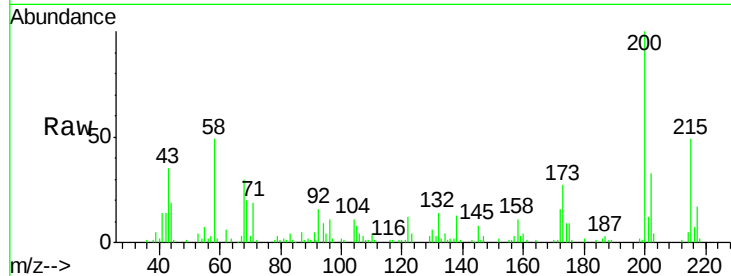
#69
Atrazine
Concen: 9.180 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	9.1	49.1
215	49.0	29.8	69.8

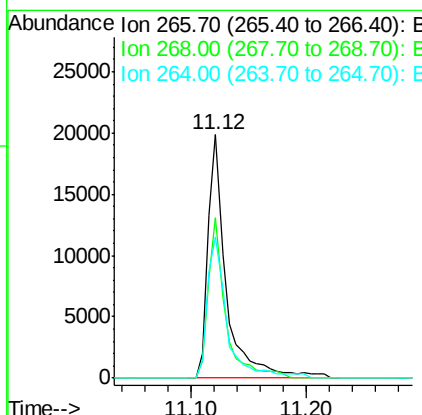
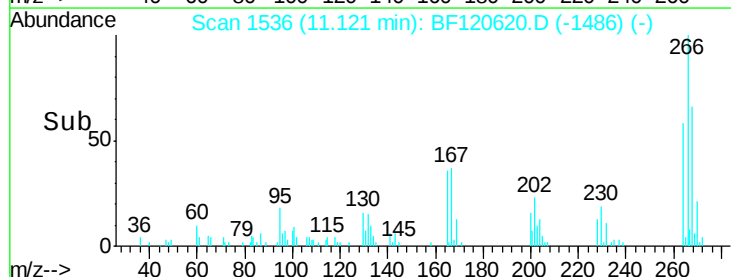
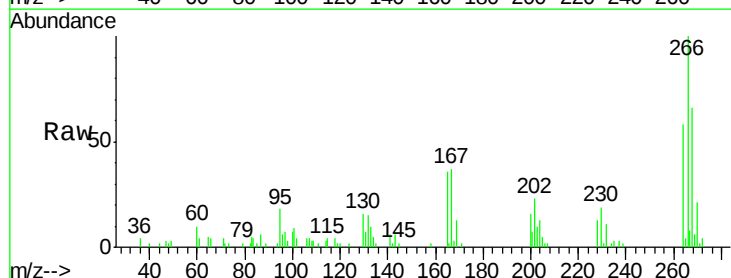
Manual Integrations
APPROVED

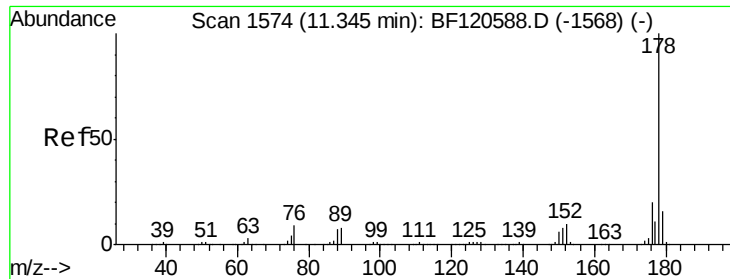
mohammad
6/16/2020 11:06:49 AM



#70
Pentachlorophenol
Concen: 5.398 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.1	51.4	77.0
264	58.0	50.8	76.2





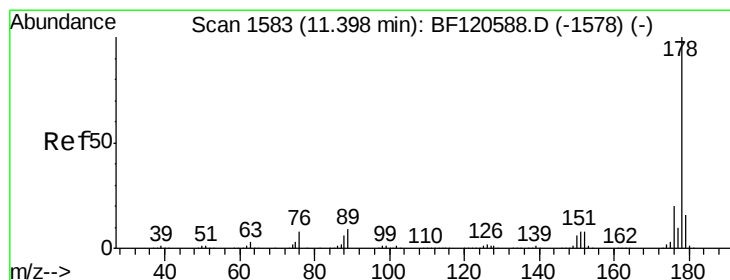
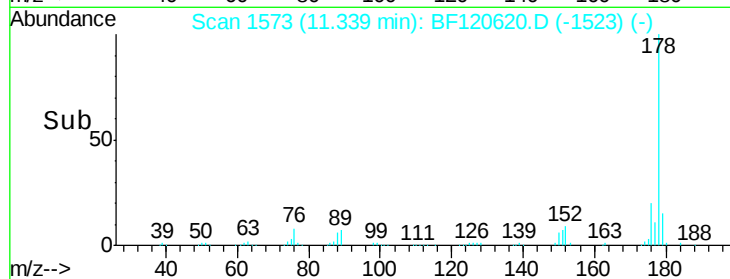
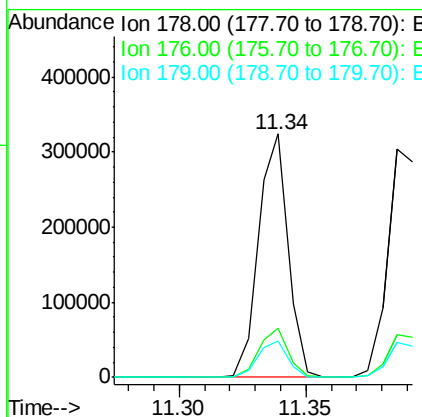
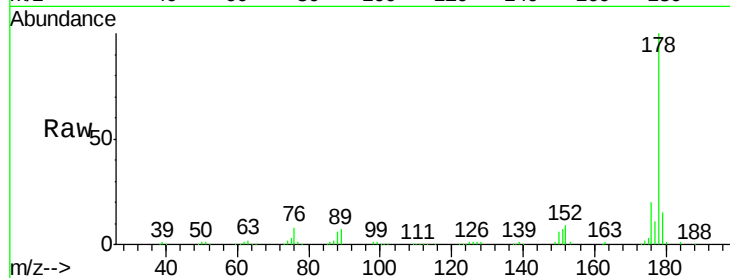
#71
Phenanthrene
Concen: 8.874 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.1	12.8	19.2

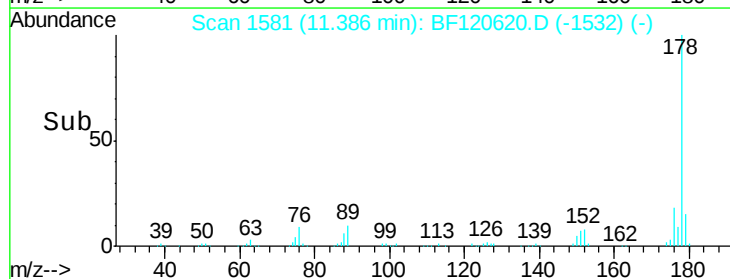
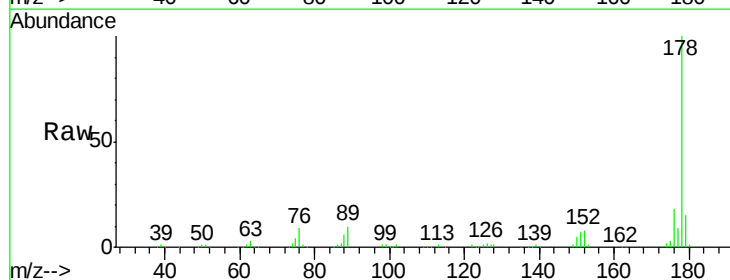
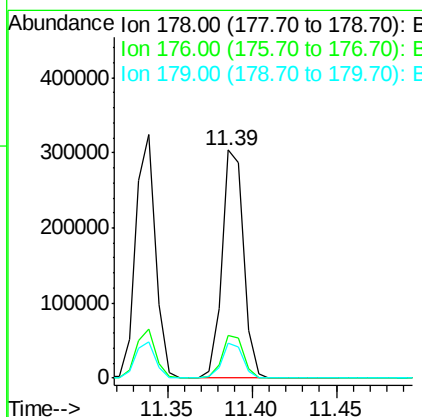
Manual Integrations
APPROVED

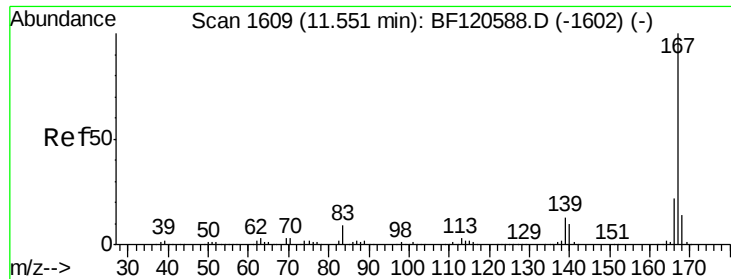
mohammad
6/16/2020 11:06:49 AM



#72
Anthracene
Concen: 9.037 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.4	12.9	19.3





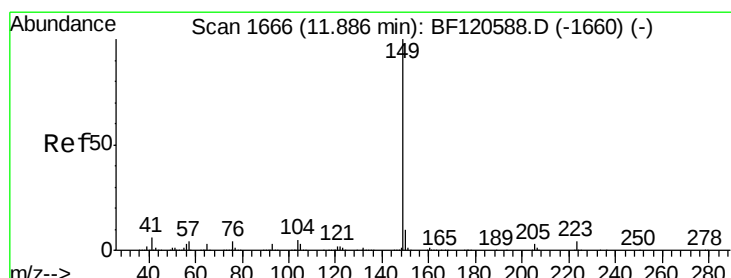
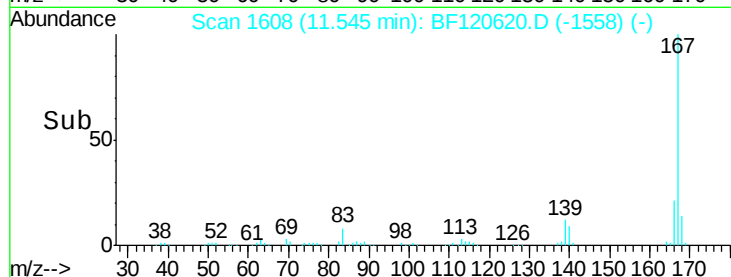
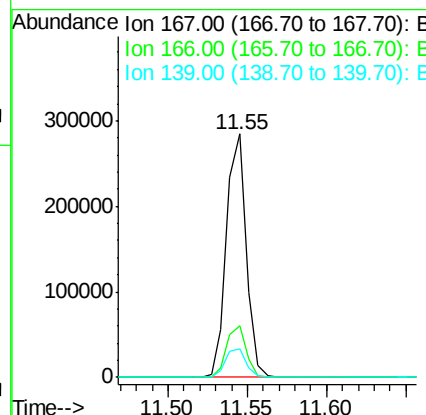
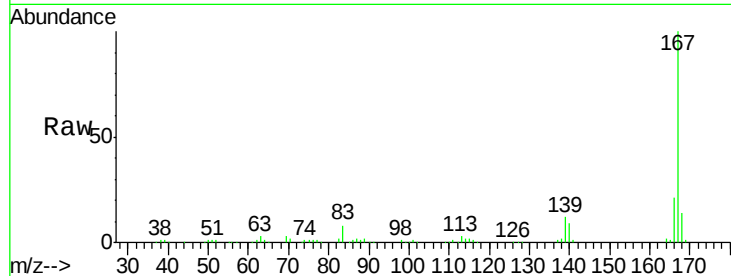
#73
 Carbazole
 Concen: 8.295 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
167	100	246227		
166	21.4		17.2	25.8
139	11.7		10.1	15.1

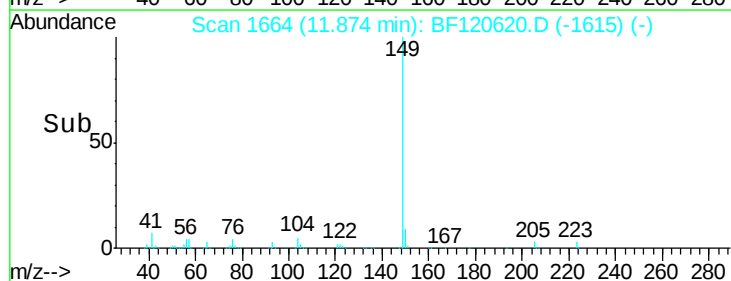
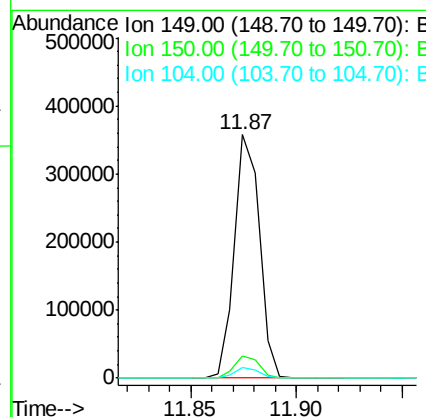
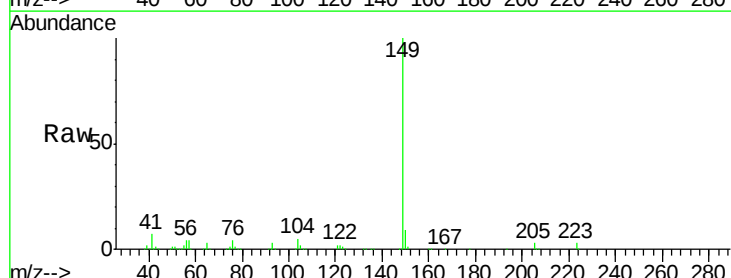
Manual Integrations
 APPROVED

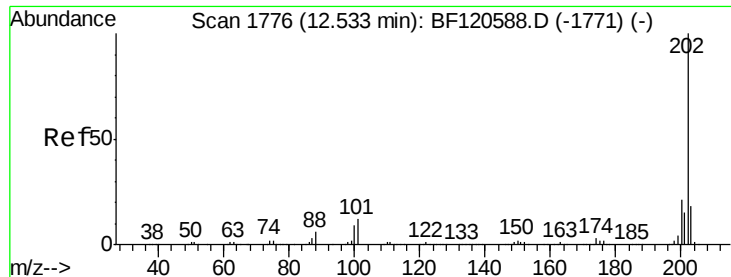
mohammad
 6/16/2020 11:06:49 AM



#74
 Di-n-butylphthalate
 Concen: 8.731 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	291383		
150	8.8		7.7	11.5
104	4.6		3.7	5.5





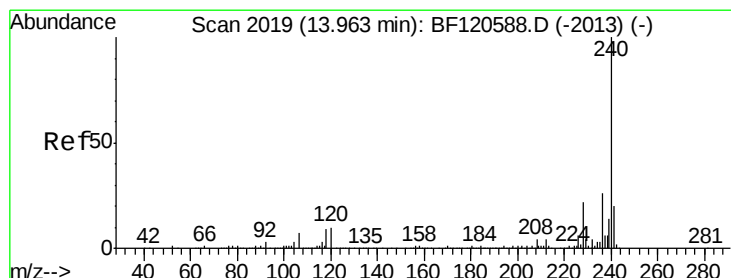
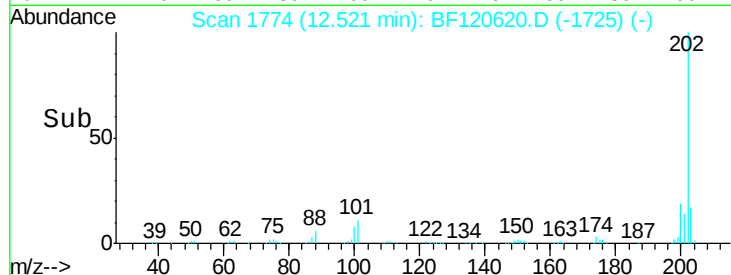
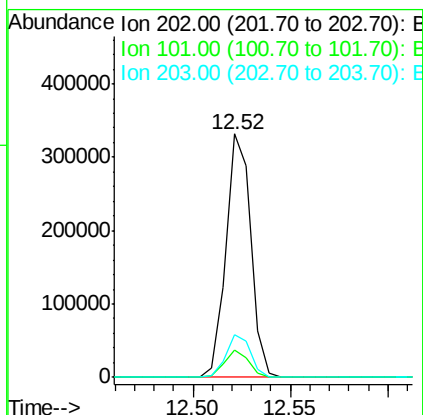
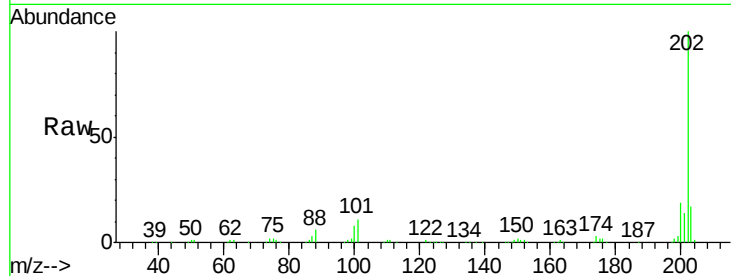
#75
Fluoranthene
Concen: 8.574 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	32.0
203	17.5	0.0	38.3

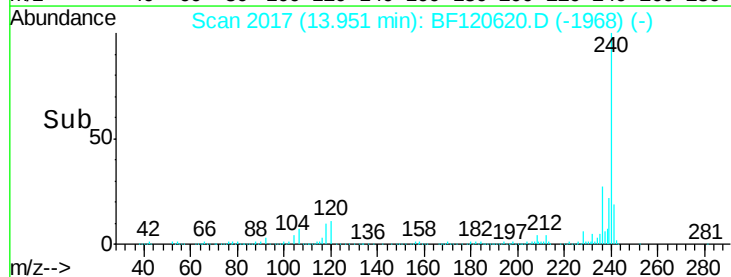
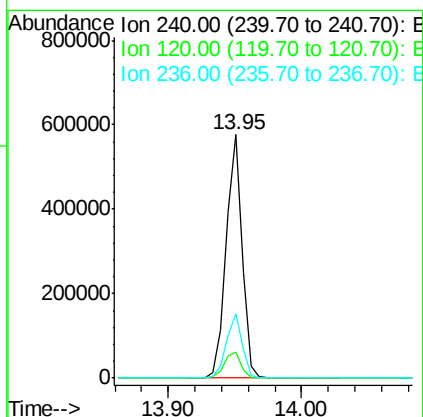
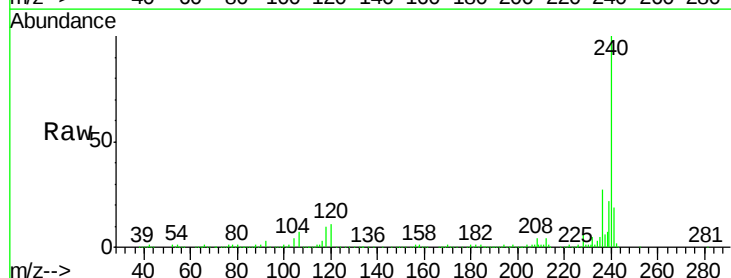
Manual Integrations
APPROVED

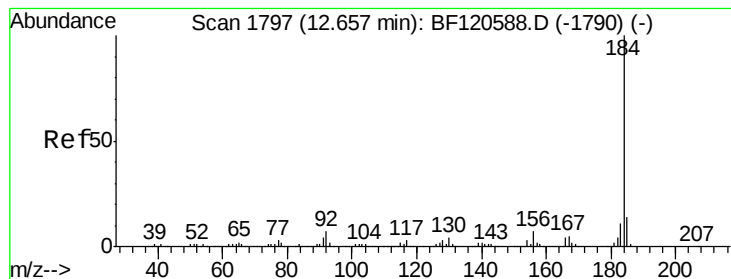
mohammad
6/16/2020 11:06:49 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	8.3	12.5
236	26.6	21.0	31.4





#77

Benzidine

Concen: 8.532 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

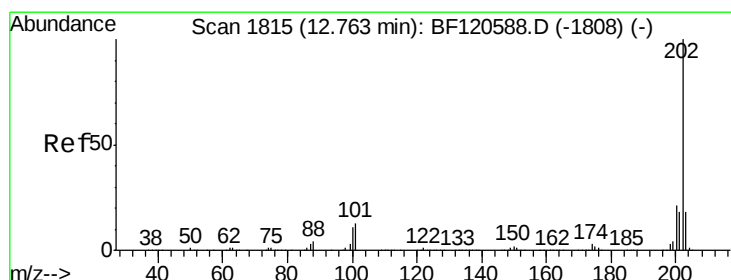
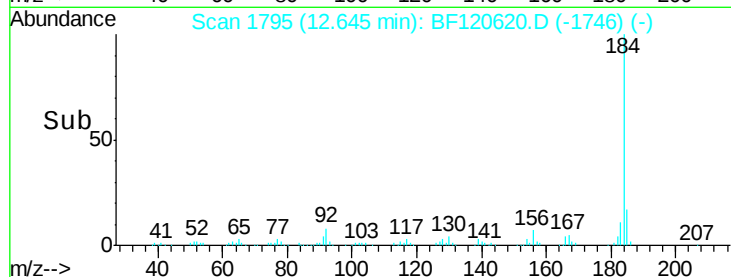
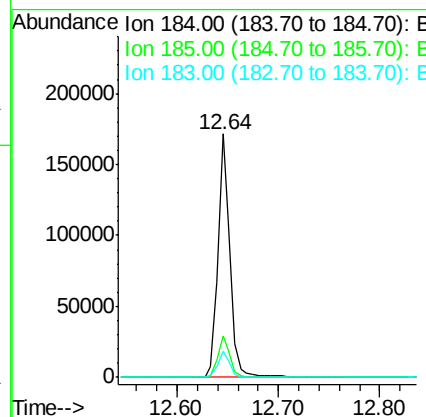
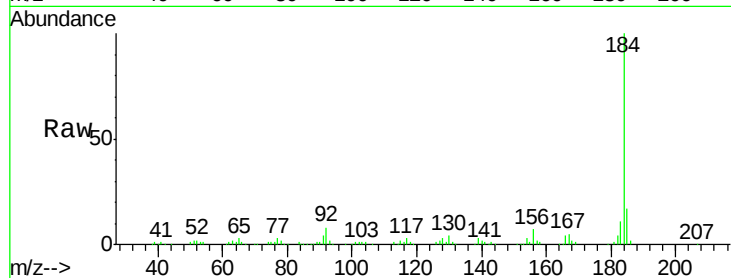
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
184	100	141211		
185	17.2	11.4	17.0	
183	10.6	9.0	13.6	

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#78

Pyrene

Concen: 8.669 ng

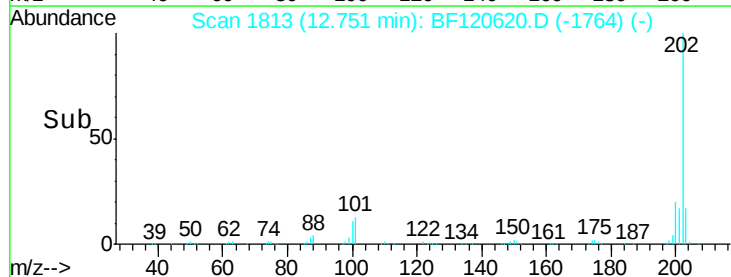
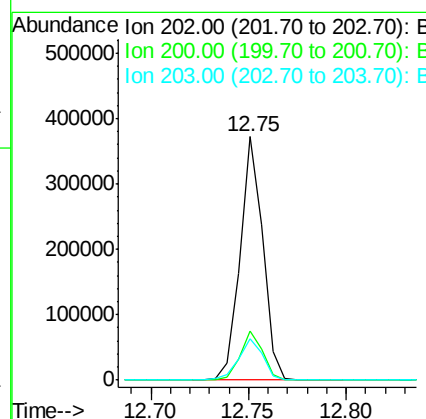
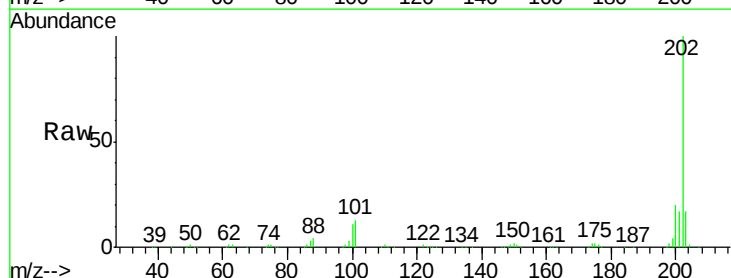
RT: 12.75 min Scan# 1813

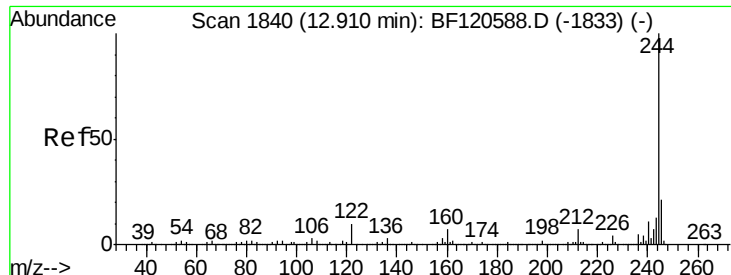
Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	300561		
200	19.9	16.8	25.2	
203	17.0	14.3	21.5	





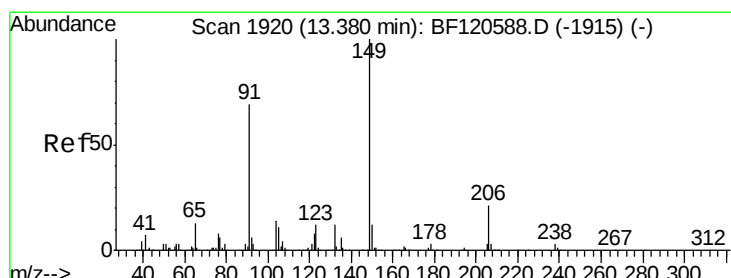
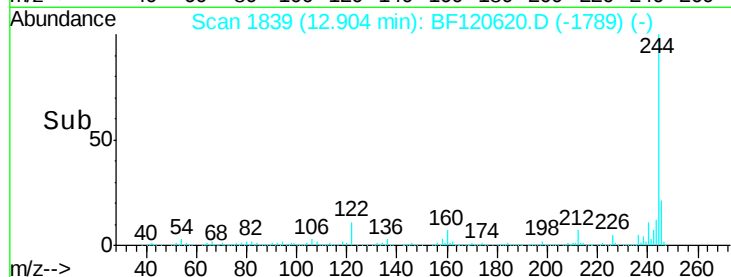
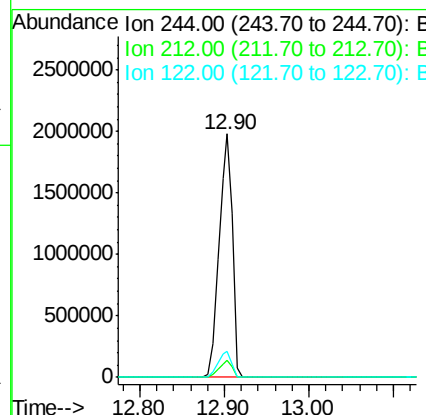
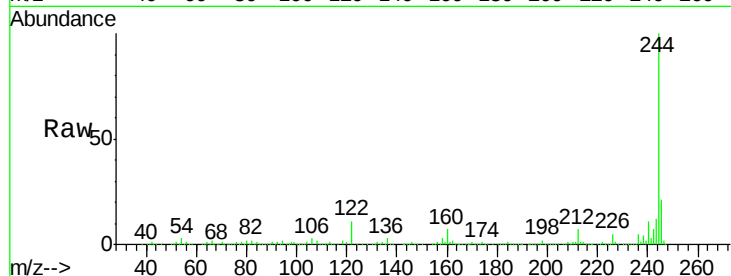
#79
 Terphenyl-d14
 Concen: 100.405 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion:244 Resp: 2224590
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 10.8 8.3 12.5

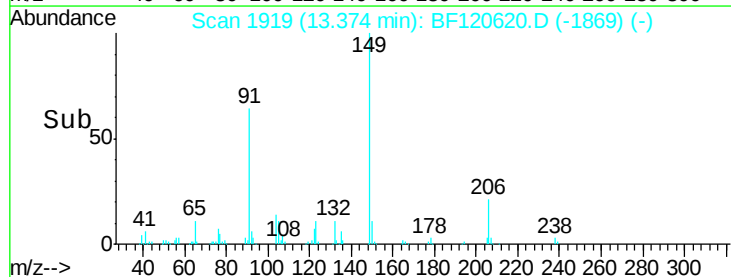
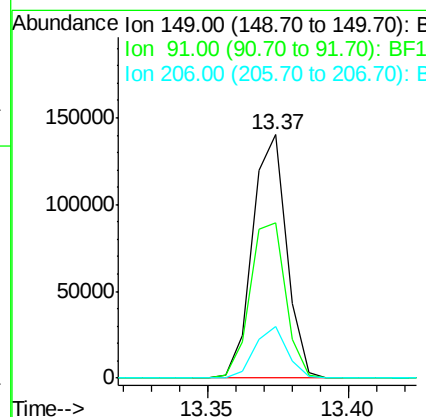
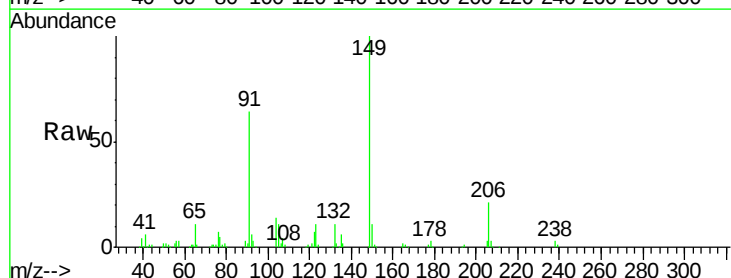
Manual Integrations
 APPROVED

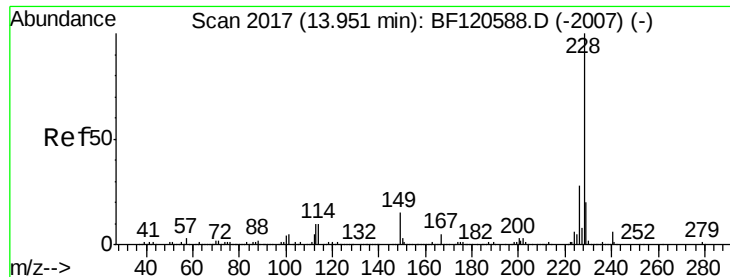
mohammad
 6/16/2020 11:06:49 AM



#80
 Butylbenzylphthalate
 Concen: 7.633 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion:149 Resp: 117504
 Ion Ratio Lower Upper
 149 100
 91 63.7 55.4 83.0
 206 21.0 17.0 25.4





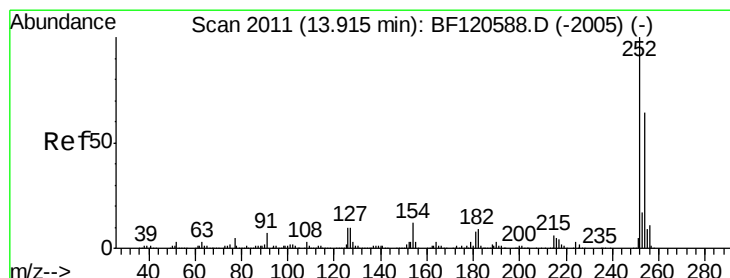
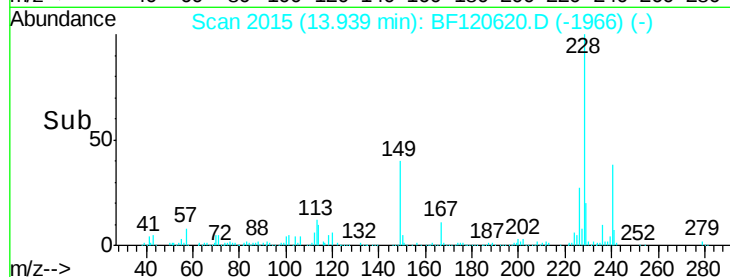
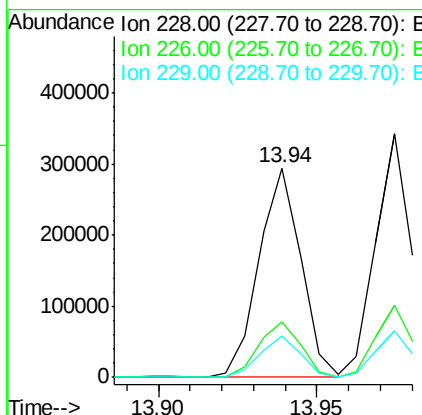
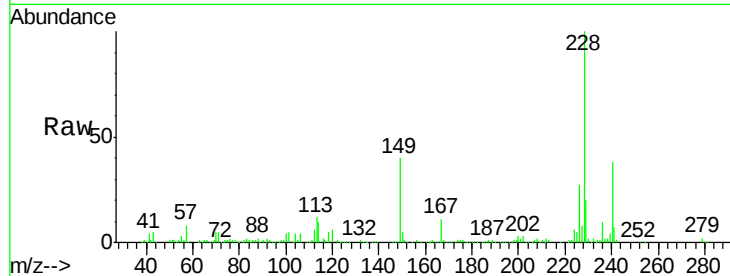
#81
Benzo(a)anthracene
Concen: 9.248 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.5	33.7
229	20.0	16.1	24.1

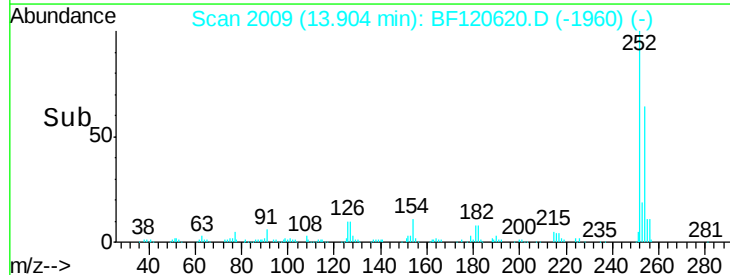
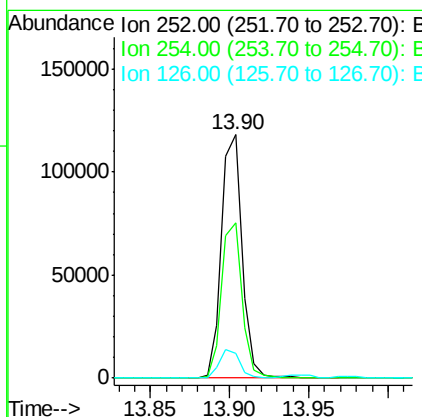
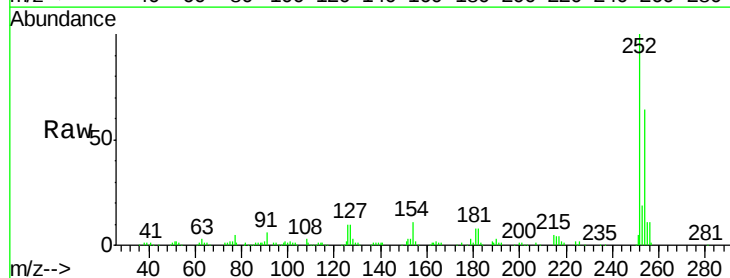
Manual Integrations
APPROVED

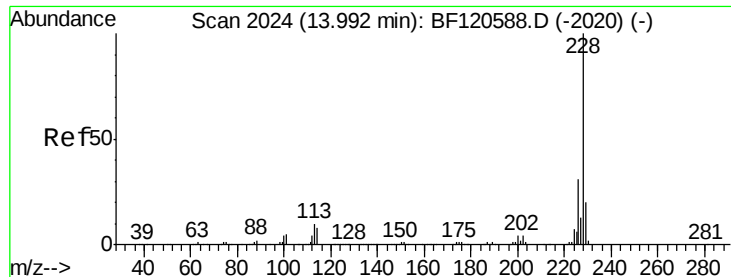
mohammad
6/16/2020 11:06:49 AM



#82
3,3'-Dichlorobenzidine
Concen: 9.529 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.4	77.2
126	10.0	7.9	11.9





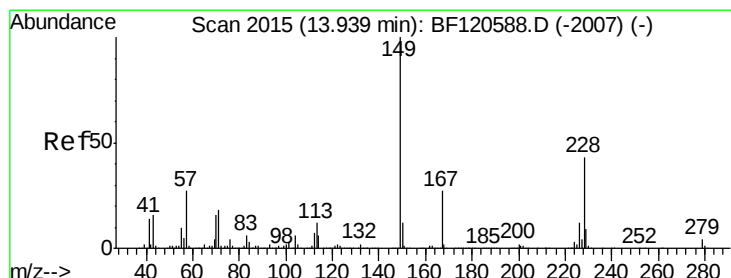
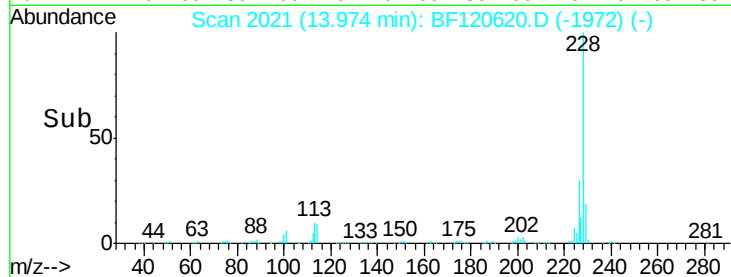
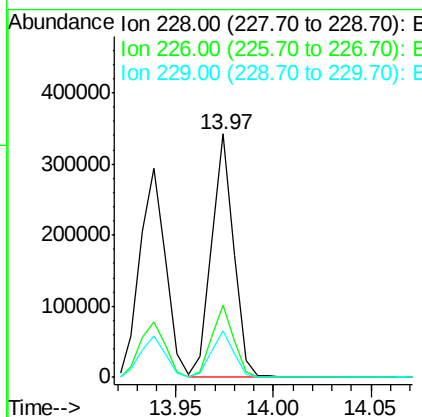
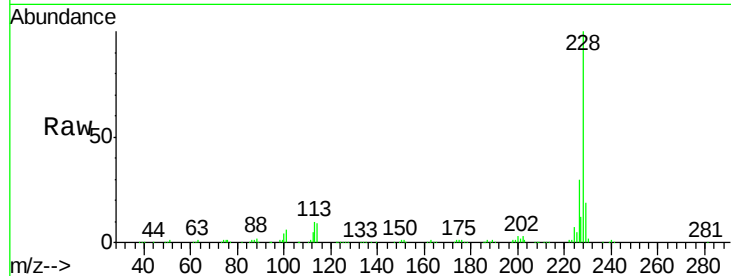
#83
Chrysene
Concen: 8.908 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
228	100	268661		
226	29.6		24.9	37.3
229	18.9		16.1	24.1

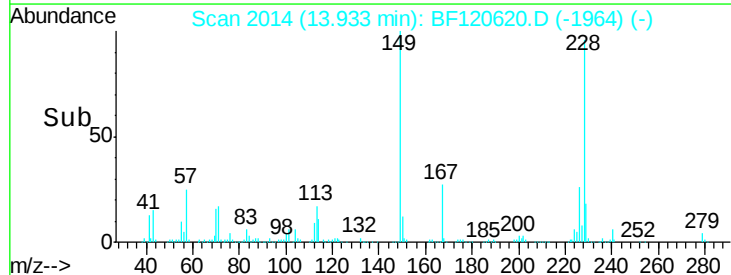
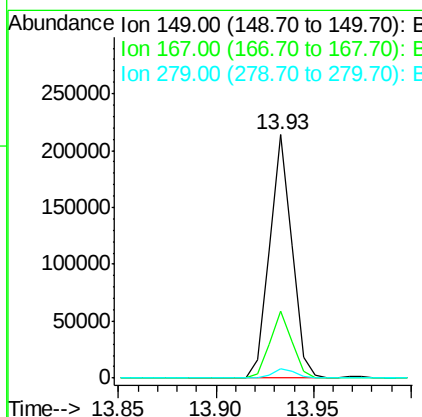
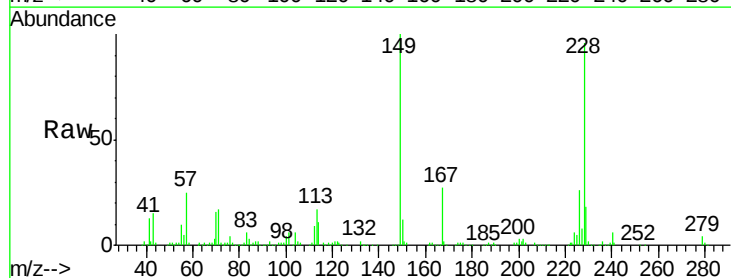
Manual Integrations
APPROVED

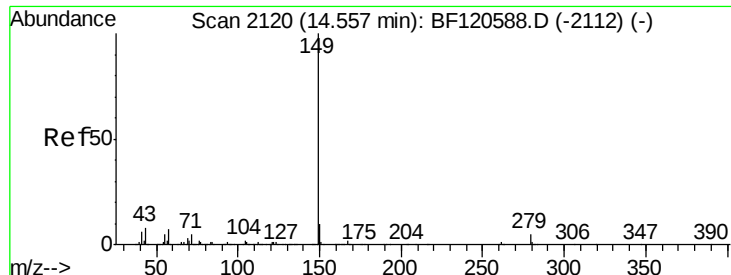
mohammad
6/16/2020 11:06:49 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.063 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	170274		
167	27.5		22.0	33.0
279	3.7		3.0	4.6





#85

Di-n-octyl phthalate

Concen: 8.098 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Instrument :

BNA_F

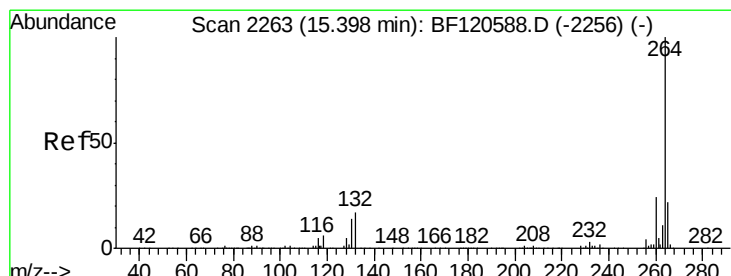
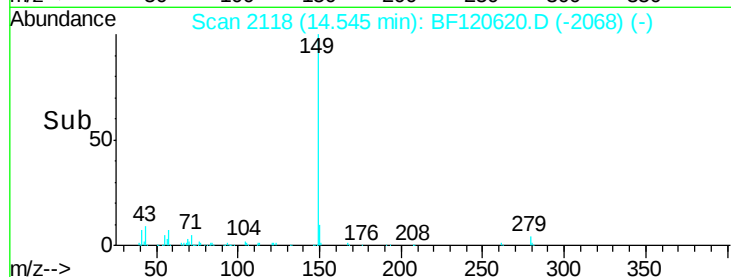
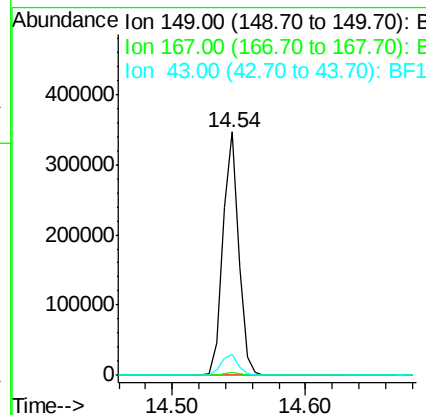
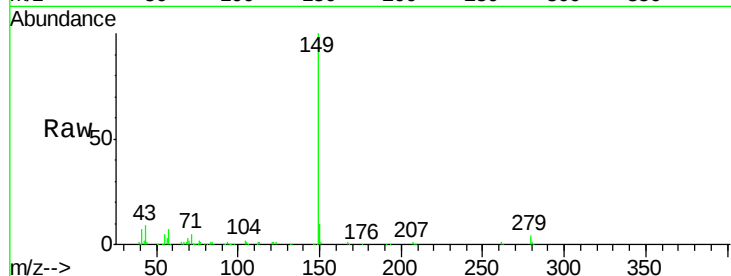
ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	149	Resp:	290386
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.3	1.9
43	9.7	7.6	11.4

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#86

Perylene-d12

Concen: 20.000 ng

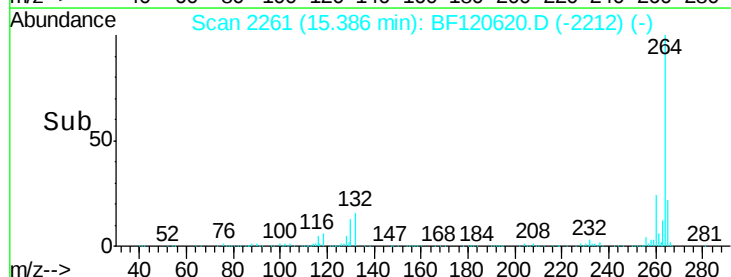
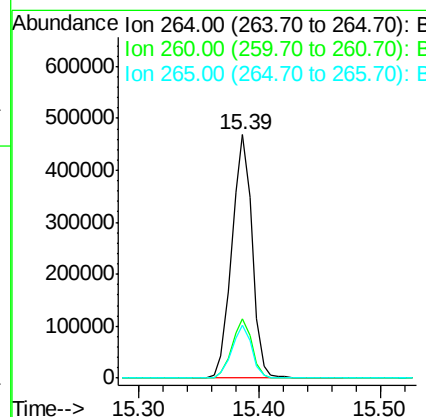
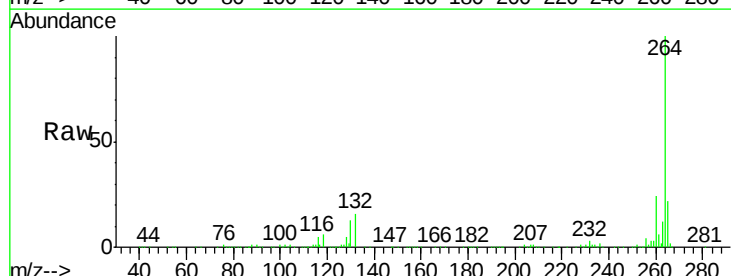
RT: 15.39 min Scan# 2261

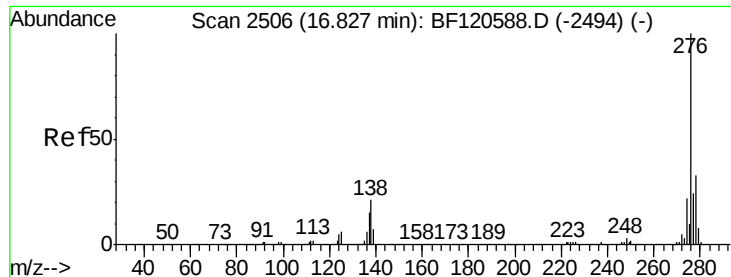
Delta R.T. -0.01 min

Lab File: BF120620.D

Acq: 15 Jun 2020 14:51

Tgt Ion:	264	Resp:	546454
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.3	28.9
265	21.6	17.8	26.8





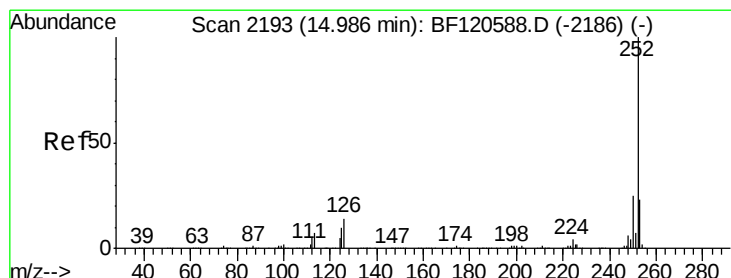
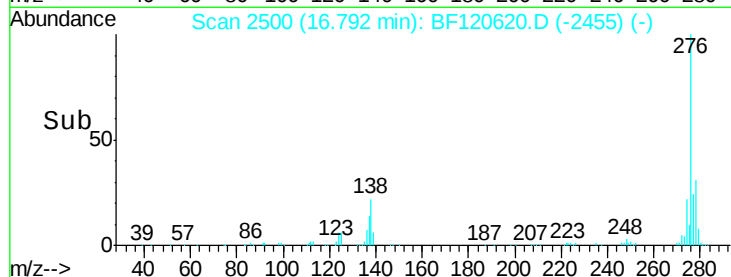
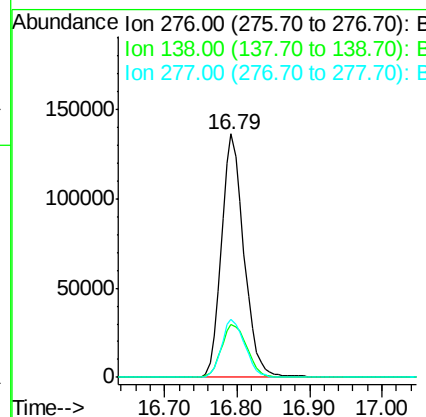
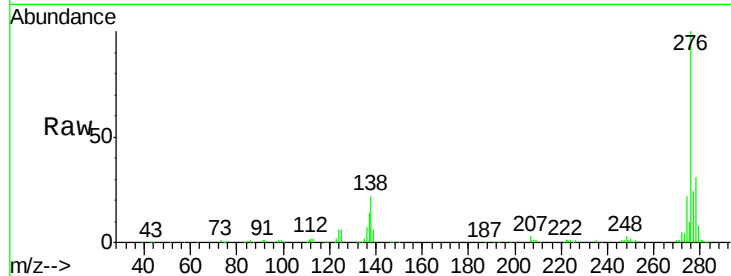
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.852 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.04 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
276	100	294230		
138	24.6	18.9	28.3	
277	24.8	20.2	30.2	

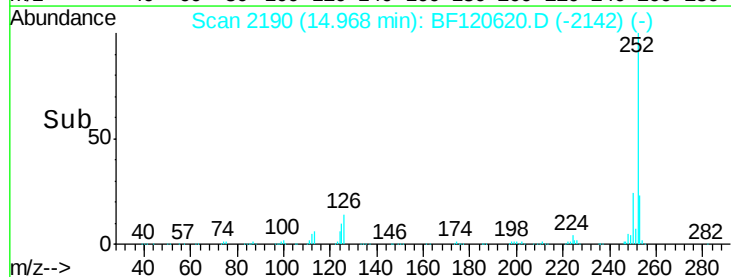
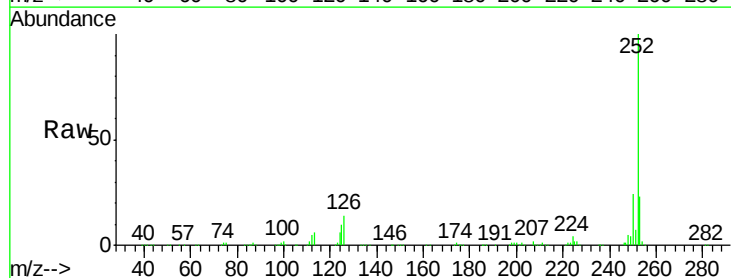
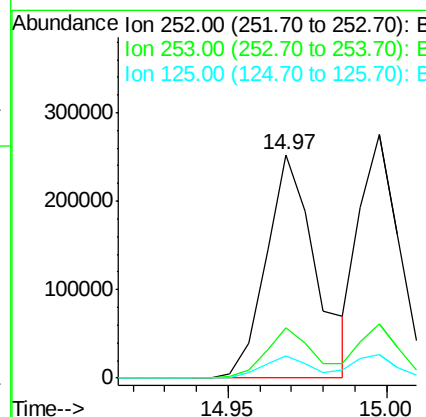
Manual Integrations
 APPROVED

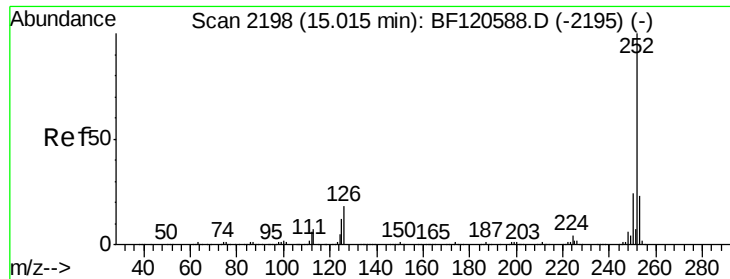
mohammad
 6/16/2020 11:06:49 AM



#88
 Benzo(b)fluoranthene
 Concen: 8.430 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120620.D
 Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	274408		
253	22.8	18.1	27.1	
125	9.9	8.3	12.5	





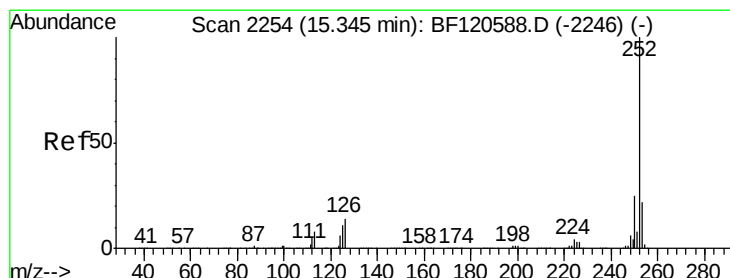
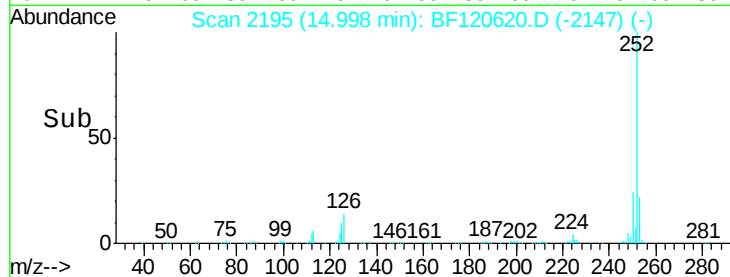
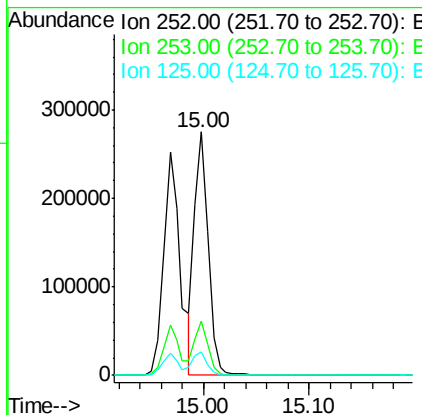
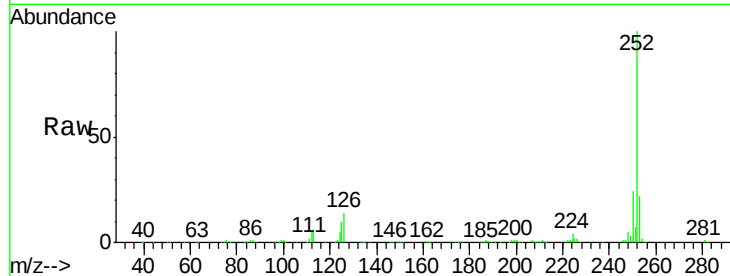
#89
Benzo(k)fluoranthene
Concen: 8.550 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.6	8.3	12.5

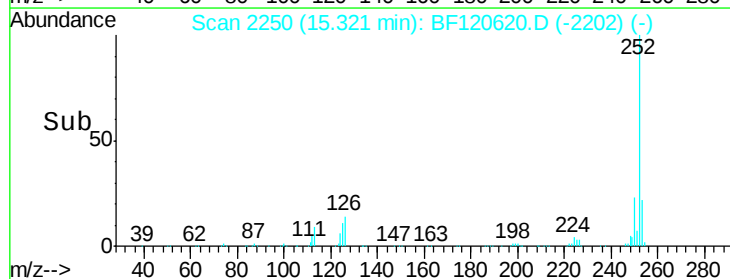
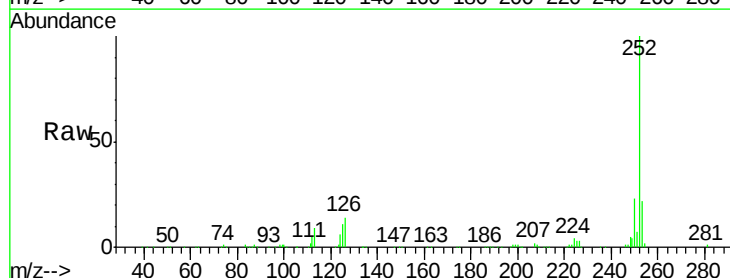
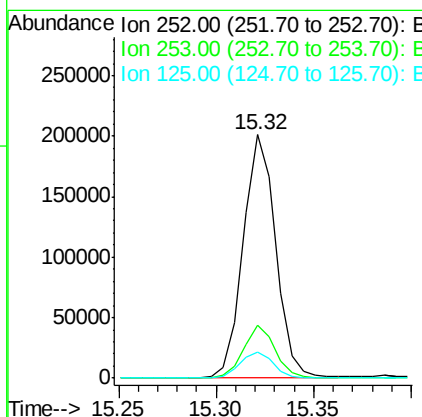
Manual Integrations
APPROVED

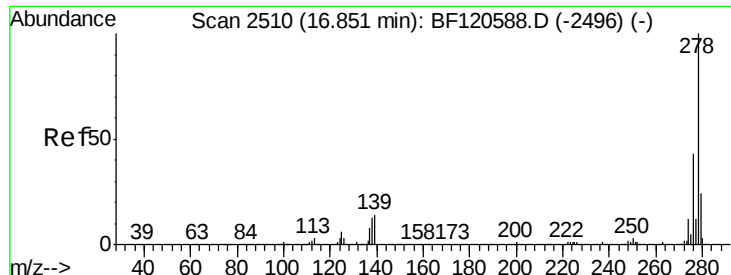
mohammad
6/16/2020 11:06:49 AM



#90
Benzo(a)pyrene
Concen: 7.988 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.9	8.6	12.8





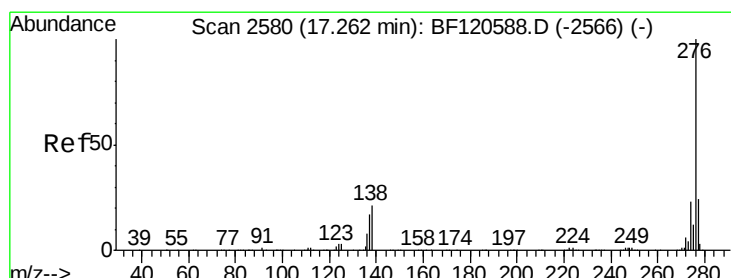
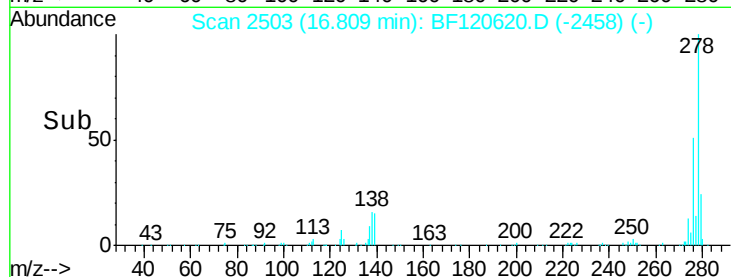
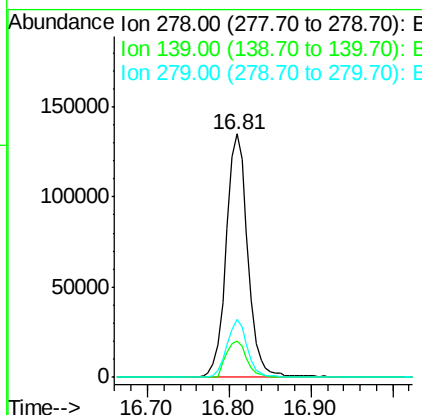
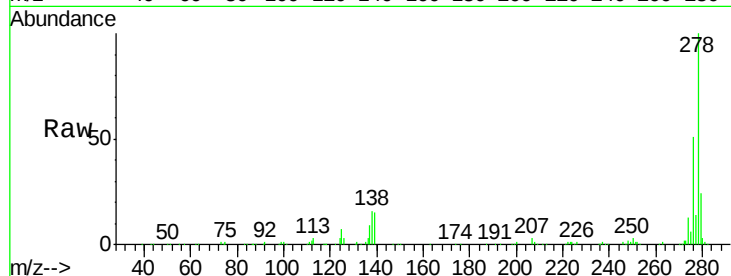
#91
Dibenzo(a,h)anthracene
Concen: 9.329 ng
RT: 16.81 min Scan# 2503
Delta R.T. -0.04 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:	278	Resp:	248675
Ion Ratio	Lower	Upper	
278	100		
139	15.1	11.4	17.2
279	23.9	19.1	28.7

Manual Integrations
APPROVED

mohammad
6/16/2020 11:06:49 AM



#92
Benzo(g,h,i)perylene
Concen: 9.313 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.04 min
Lab File: BF120620.D
Acq: 15 Jun 2020 14:51

Tgt Ion:	276	Resp:	250227
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.6	29.4
138	21.3	16.5	24.7

