

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120810.D
 Acq On : 9 Jul 2020 11:04
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Manual Integrations
 APPROVED

mohammad

7/10/2020 11:47:34 AM

Quant Time: Jul 09 12:56:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134582	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	499562	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	244407	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	423327	20.00	ng	0.00
76) Chrysene-d12	14.00	240	309741	20.00	ng	0.00
86) Perylene-d12	15.46	264	258694	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	862619	98.94	ng	0.00
7) Phenol-d6	6.47	99	1085944	97.54	ng	0.00
23) Nitrobenzene-d5	7.41	82	673009	78.05	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	251026	102.23	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1241838	76.87	ng	0.00
79) Terphenyl-d14	12.96	244	991226	62.66	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	20689	5.195	ng	94
3) Pyridine	3.38	79	33826	3.101	ng	98
4) n-Nitrosodimethylamine	3.26	42	22468	4.117	ng	# 97
6) Aniline	6.50	93	63227	4.422	ng	100
8) 2-Chlorophenol	6.63	128	40887	4.405	ng	94
9) Benzaldehyde	6.39	77	35593	5.375	ng	94
10) Phenol	6.48	94	51491m	4.496	ng	
11) bis(2-Chloroethyl)ether	6.58	93	40267	4.320	ng	99
12) 1,3-Dichlorobenzene	6.79	146	46113	4.513	ng	97
13) 1,4-Dichlorobenzene	6.86	146	45380	4.435	ng	99
14) 1,2-Dichlorobenzene	7.02	146	43305	4.448	ng	98
15) Benzyl Alcohol	6.98	79	44175m	5.281	ng	
16) 2,2'-oxybis(1-Chloropropan	7.12	45	60716	4.177	ng	99
17) 2-Methylphenol	7.09	107	31555	3.800	ng	95
18) Hexachloroethane	7.36	117	16308	4.240	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	28194	4.206	ng	97
20) 3+4-Methylphenols	7.24	107	40969	4.006	ng	98
22) Acetophenone	7.25	105	60693	4.888	ng	# 87
24) Nitrobenzene	7.42	77	47182	4.874	ng	96
25) Isophorone	7.66	82	73833	3.971	ng	94
26) 2-Nitrophenol	7.74	139	12269	3.467	ng	93
27) 2,4-Dimethylphenol	7.77	122	33444	4.506	ng	100
28) bis(2-Chloroethoxy)methane	7.87	93	47926	4.355	ng	# 96
29) 2,4-Dichlorophenol	7.97	162	29190	3.939	ng	94
30) 1,2,4-Trichlorobenzene	8.07	180	35836	4.306	ng	98
31) Naphthalene	8.15	128	122027	4.571	ng	98
32) Benzoic acid	7.82	122	8487	2.113	ng	95
33) 4-Chloroaniline	8.19	127	45225	3.992	ng	95
34) Hexachlorobutadiene	8.27	225	20624	4.120	ng	98
35) Caprolactam	8.52	113	7222	3.345	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	29632	3.844	ng	93
37) 2-Methylnaphthalene	8.84	142	75774	4.366	ng	98
38) 1-Methylnaphthalene	8.94	142	72762	4.476	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	34016	4.605	ng	98

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 LOQ-SOIL-02-QT3-2020

Manual Integrations
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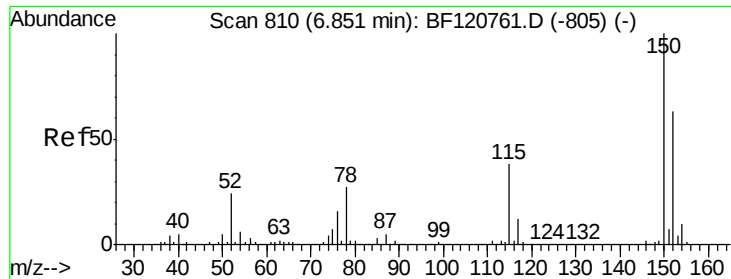
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	15025	3.443	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	17244	3.426	nq	91
44) 2,4,5-Trichlorophenol	9.15	196	20114	3.601	nq	# 89
46) 1,1'-Biphenyl	9.30	154	97504	4.946	nq	98
47) 2-Chloronaphthalene	9.33	162	68559	4.341	nq	98
48) 2-Nitroaniline	9.42	65	15990	3.784	nq	85
49) Acenaphthylene	9.74	152	106158	4.287	nq	97
50) Dimethylphthalate	9.60	163	74282	4.166	nq	99
51) 2,6-Dinitrotoluene	9.66	165	12606	3.914	nq	90
52) Acenaphthene	9.92	154	63862	4.157	nq	96
53) 3-Nitroaniline	9.82	138	14784	3.715	nq	98
55) Dibenzofuran	10.09	168	98780	4.461	nq	97
56) 4-Nitrophenol	9.97	139	8357	2.859	nq	89
57) 2,4-Dinitrotoluene	10.06	165	13728	3.550	nq	95
58) Fluorene	10.43	166	74100	4.496	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	15583	3.749	nq	90
60) Diethylphthalate	10.30	149	72592	3.909	nq	97
61) 4-Chlorophenyl-phenylether	10.42	204	35346	4.266	nq	94
62) 4-Nitroaniline	10.43	138	13806	3.645	nq	97
63) Azobenzene	10.58	77	79918	4.206	nq	92
66) n-Nitrosodiphenylamine	10.54	169	60886	4.291	nq	100
67) 4-Bromophenyl-phenylether	10.91	248	18749	3.818	nq	# 83
68) Hexachlorobenzene	10.97	284	20545	3.987	nq	97
69) Atrazine	11.06	200	15727	4.302	nq	98
70) Pentachlorophenol	11.17	266	7461	2.559	nq	97
71) Phenanthrene	11.39	178	102799	4.476	nq	97
72) Anthracene	11.44	178	99992	4.308	nq	98
73) Carbazole	11.59	167	90161	4.042	nq	97
74) Di-n-butylphthalate	11.93	149	94958	3.439	nq	98
75) Fluoranthene	12.57	202	96714	3.953	nq	98
77) Benzidine	12.70	184	30724	3.514	nq	# 92
78) Pyrene	12.80	202	100917	4.079	nq	98
80) Butylbenzylphthalate	13.43	149	28857	2.702	nq	97
81) Benzo(a)anthracene	13.99	228	84998	4.281	nq	98
82) 3,3'-Dichlorobenzidine	13.96	252	21955	3.277	nq	# 95
83) Chrysene	14.03	228	81404	4.019	nq	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	46161	3.296	nq	# 99
85) Di-n-octyl phthalate	14.60	149	54968	2.219	nq	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	58260	3.511	nq	97
88) Benzo(b)fluoranthene	15.03	252	63917	3.758	nq	# 96
89) Benzo(k)fluoranthene	15.06	252	64107	3.874	nq	# 98
90) Benzo(a)pyrene	15.40	252	52855	3.484	nq	100
91) Dibenzo(a,h)anthracene	16.93	278	49117	3.552	nq	96
92) Benzo(g,h,i)perylene	17.34	276	48910	3.870	nq	98

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

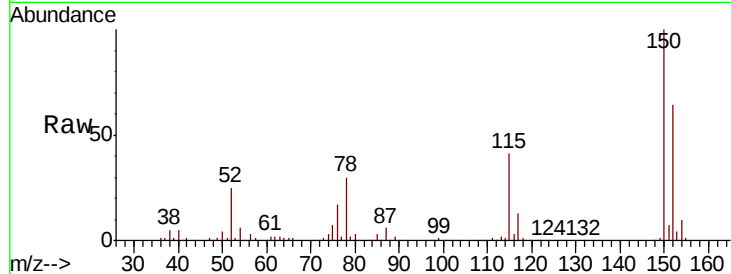
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.1	189.1
115	63.7	48.5	72.7

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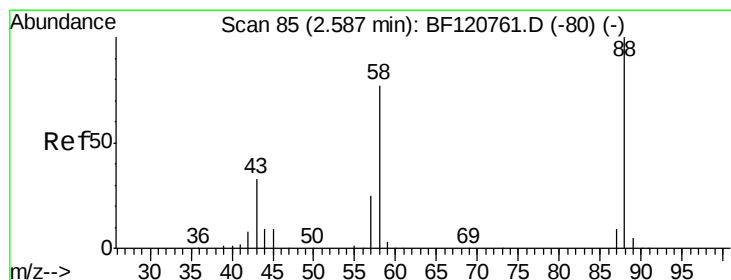
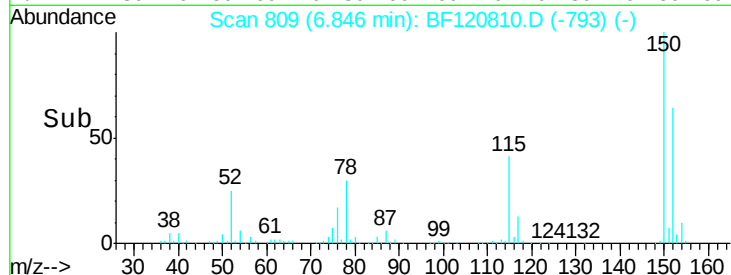
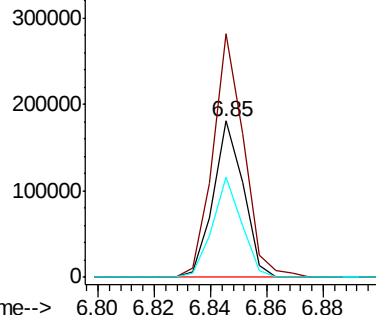


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

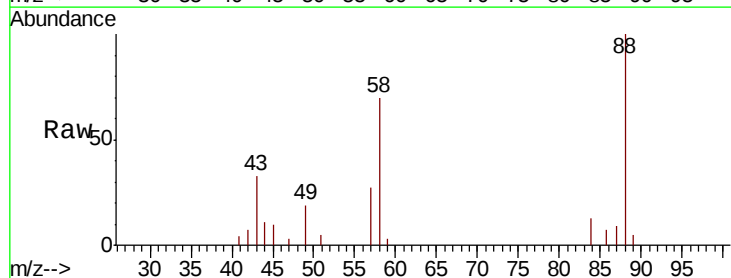
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 5.195 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.0	60.4	90.6
43	30.2	26.3	39.5

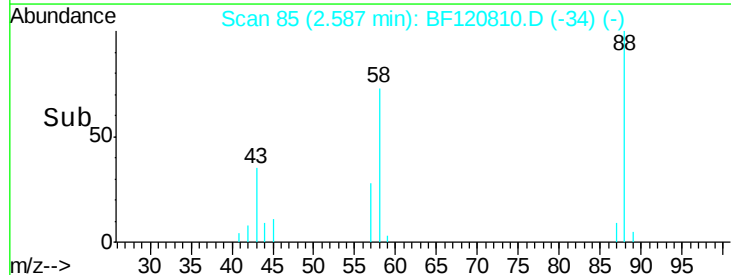
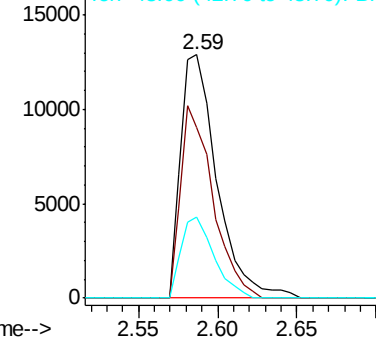


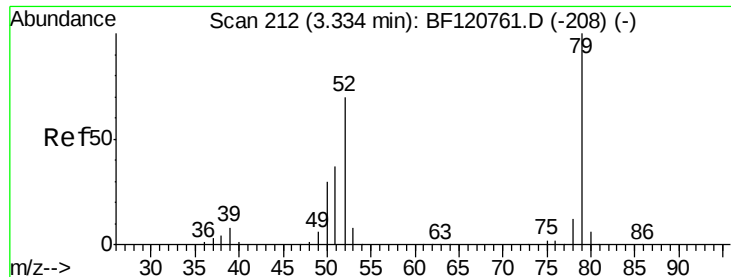
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 3.101 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.05 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

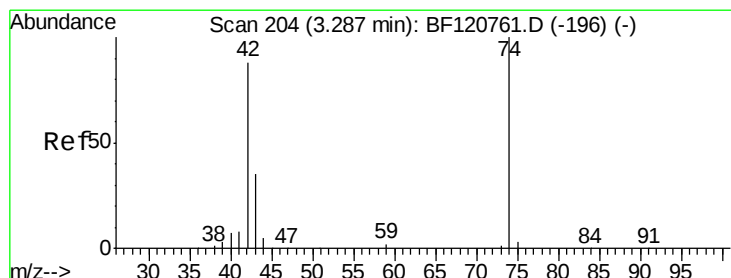
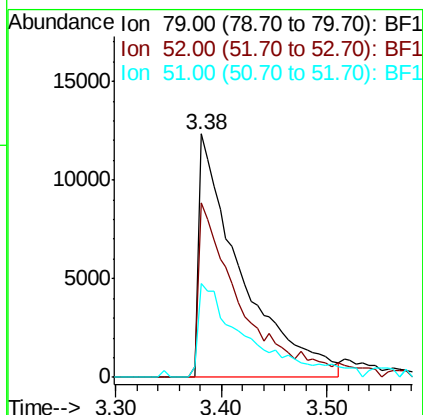
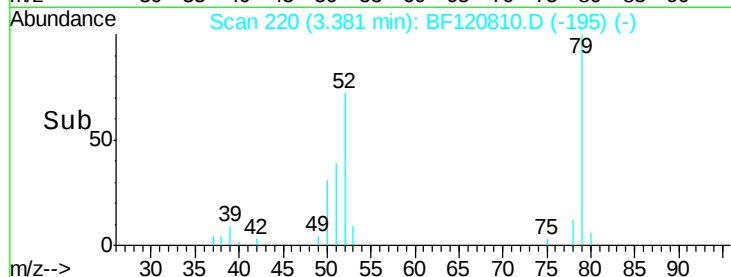
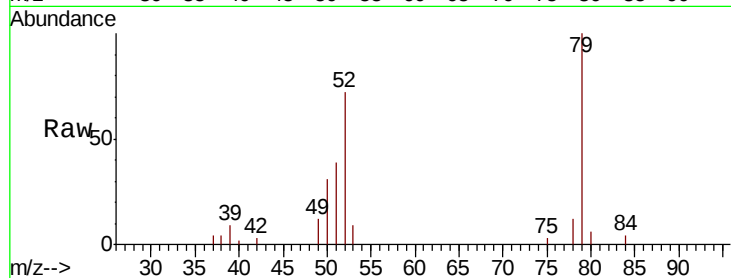
LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	33826
Ion	Ratio	Lower	Upper
79	100		
52	71.9	56.3	84.5
51	38.5	30.1	45.1

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#4

n-Nitrosodimethylamine

Concen: 4.117 ng

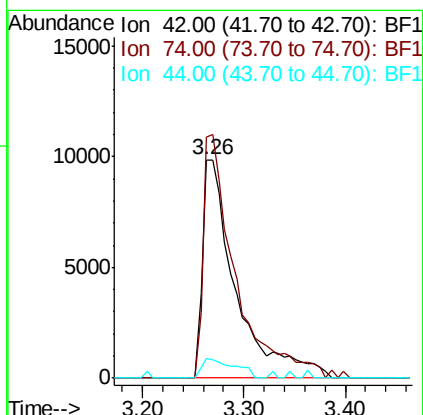
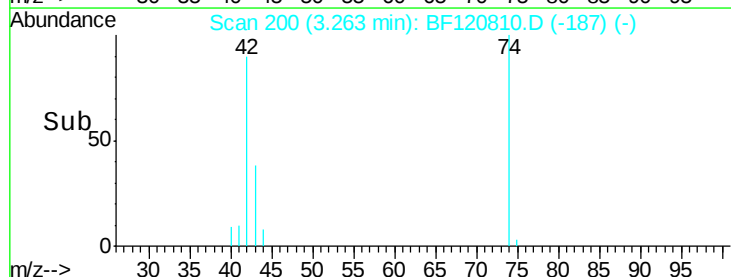
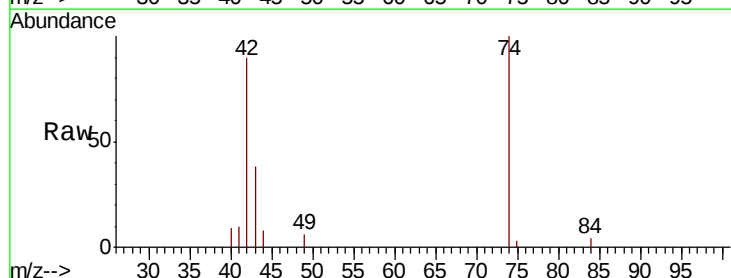
RT: 3.26 min Scan# 200

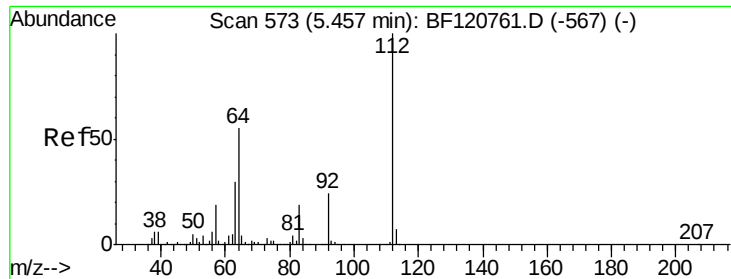
Delta R.T. -0.02 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	42	Resp:	22468
Ion	Ratio	Lower	Upper
42	100		
74	110.6	90.8	136.2
44	9.2	5.8	8.8#





#5

2-Fluorophenol

Concen: 98.942 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

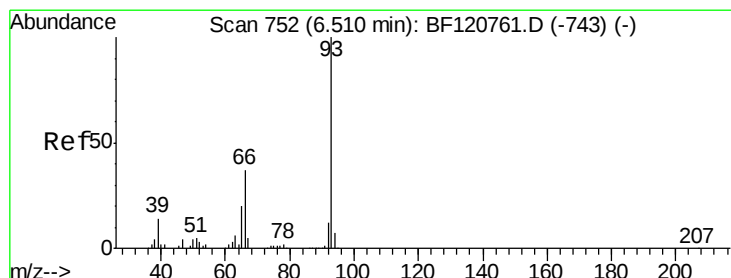
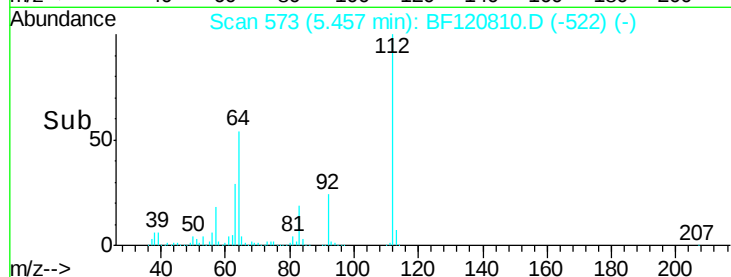
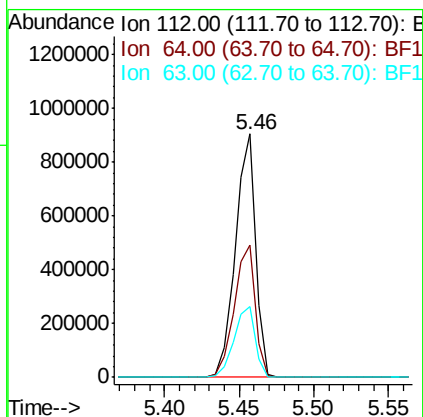
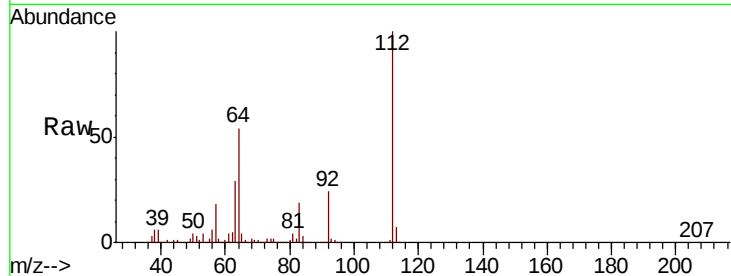
LOQ-SOIL-02-QT3-2020

Tot Ion:	112	Resp:	862619
Ion Ratio	Lower	Upper	
112	100		
64	54.1	43.8	65.6
63	29.1	23.6	35.4

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#6

Aniline

Concen: 4.422 ng

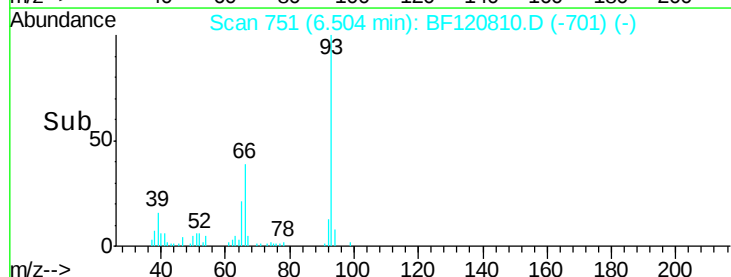
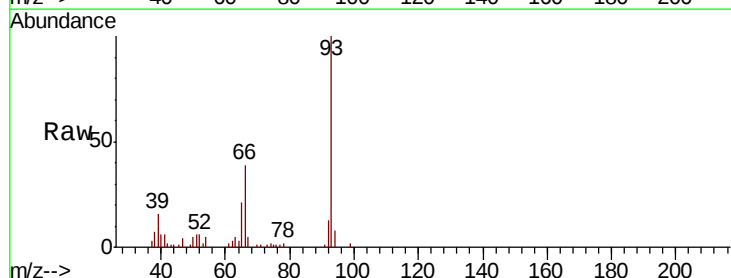
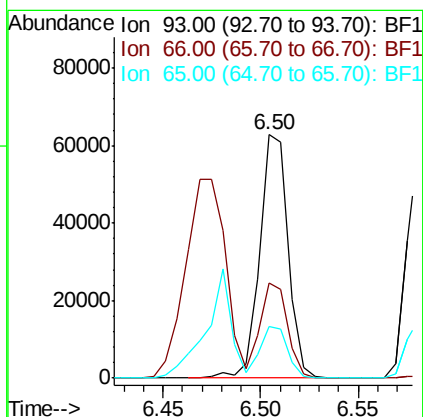
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	93	Resp:	63227
Ion Ratio	Lower	Upper	
93	100		
66	38.9	31.3	46.9
65	21.0	16.5	24.7





#7

Phenol-d6

Concen: 97.536 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 99 Resp: 1085944

Ion Ratio Lower Upper

99 100

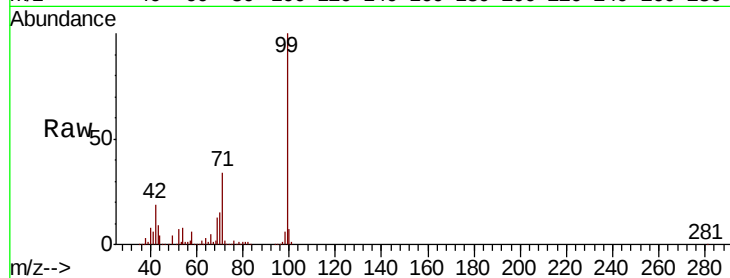
42 19.4 15.4 23.0

71 33.6 25.9 38.9

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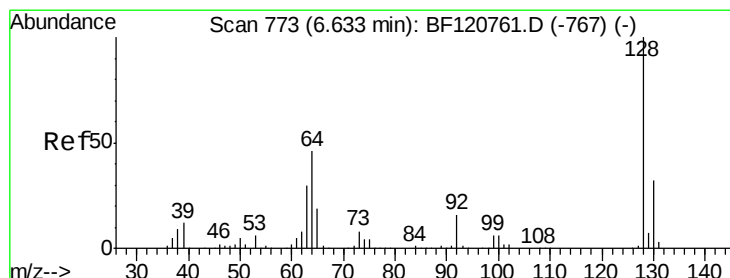
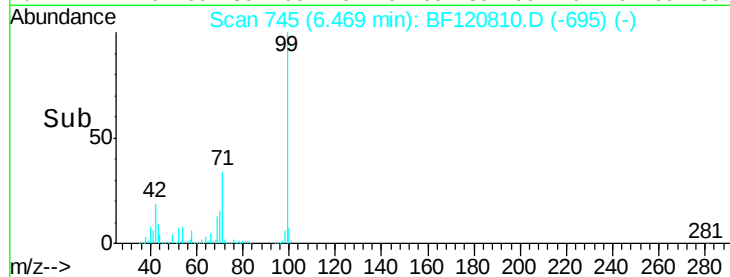
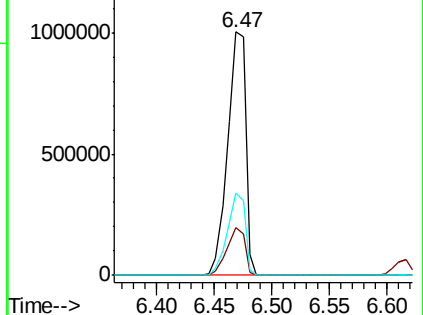
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 4.405 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

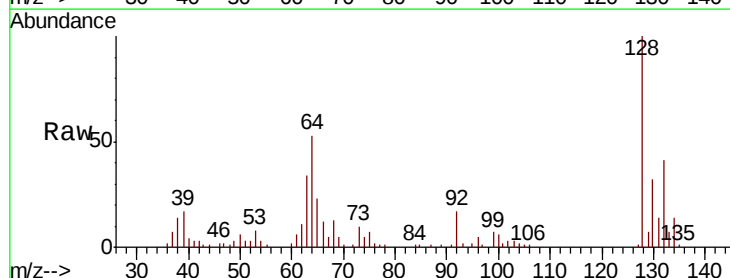
Tgt Ion: 128 Resp: 40887

Ion Ratio Lower Upper

128 100

130 32.2 12.1 52.1

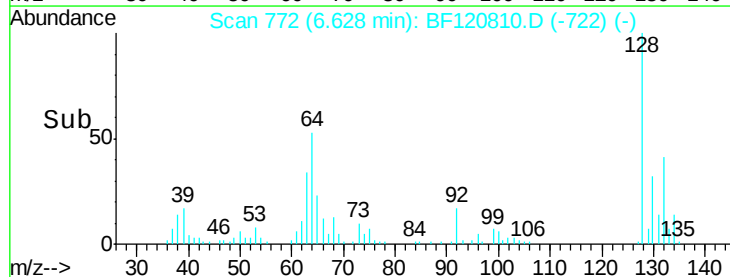
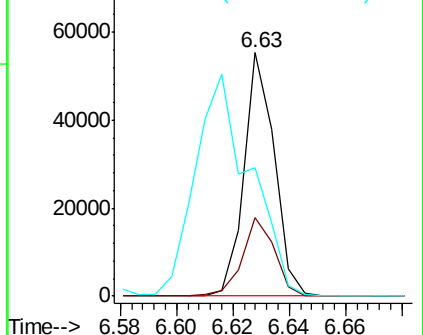
64 53.0 26.3 66.3



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: 5.375 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

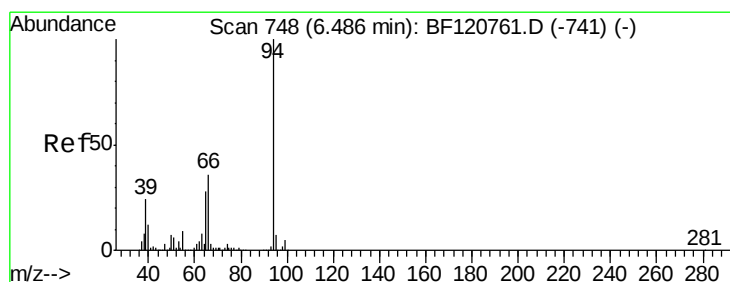
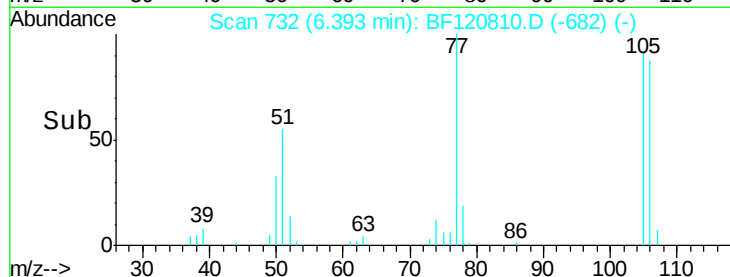
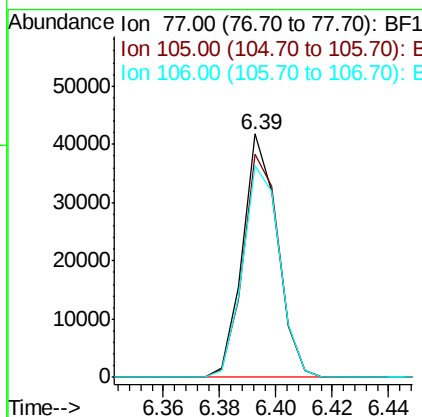
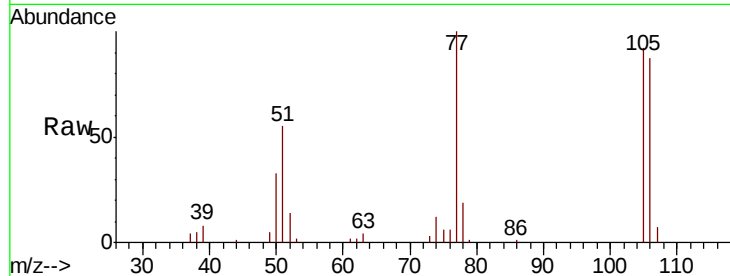
LOQ-SOIL-02-QT3-2020

Tot Ion:	77	Resp:	35593
Ion	Ratio	Lower	Upper
77	100		
105	91.6	76.8	116.8
106	87.1	73.8	113.8

Manual Integrations
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#10

Phenol

Concen: 4.496 ng m

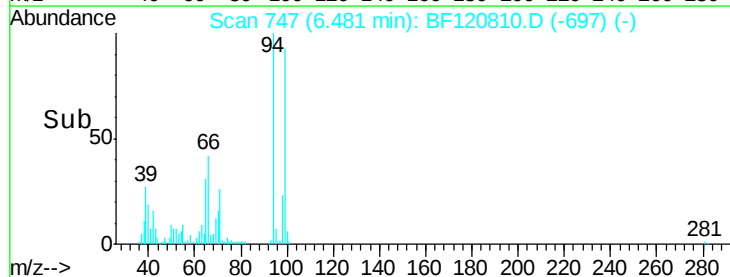
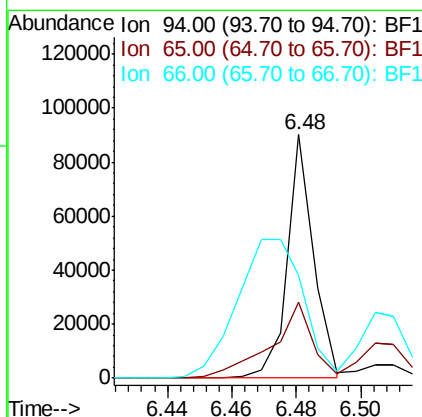
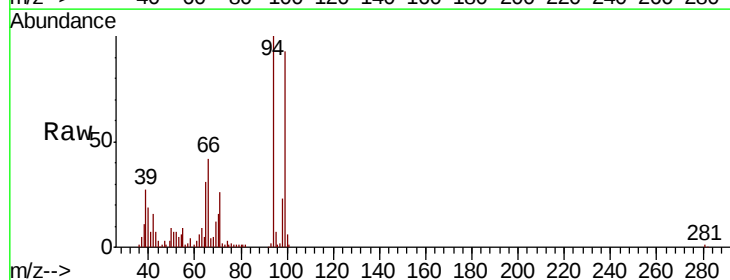
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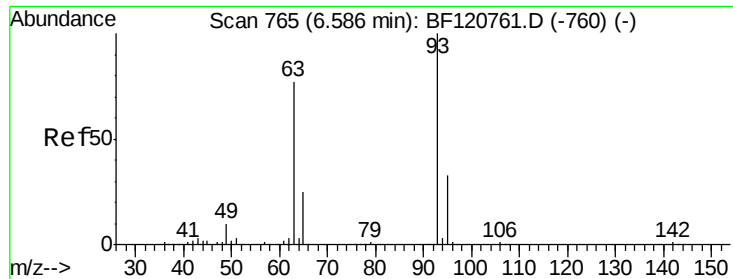
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	94	Resp:	51491
Ion	Ratio	Lower	Upper
94	100		
65	31.1	8.4	48.4
66	42.1	16.5	56.5





#11
bis(2-Chloroethyl)ether
Concen: 4.320 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

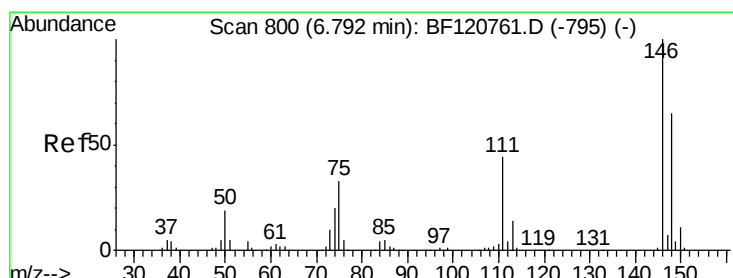
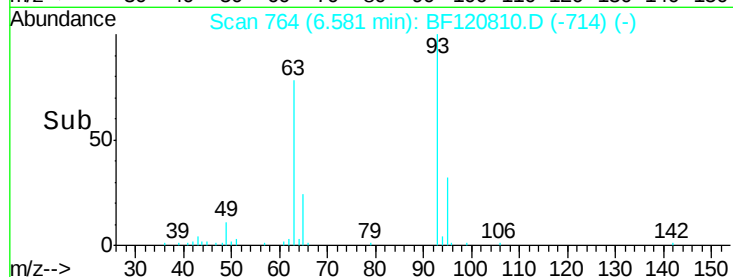
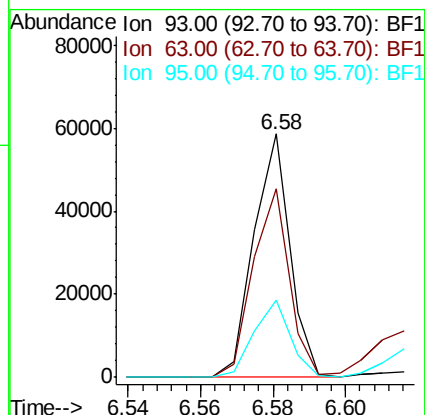
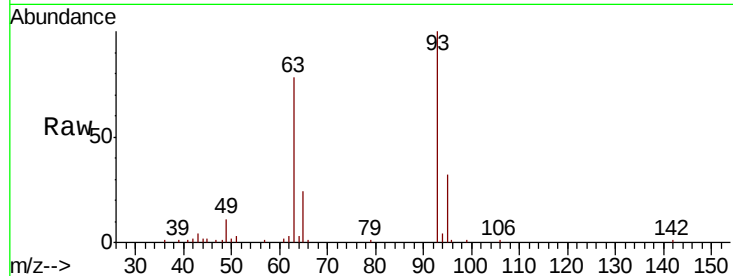
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	93	Resp:	40267
Ion	Ratio	Lower	Upper
93	100		
63	77.5	56.9	96.9
95	31.8	13.3	53.3

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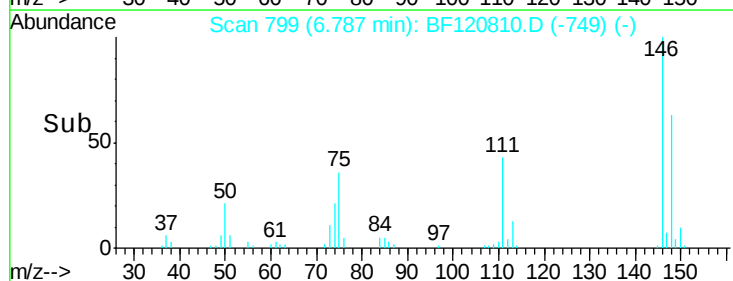
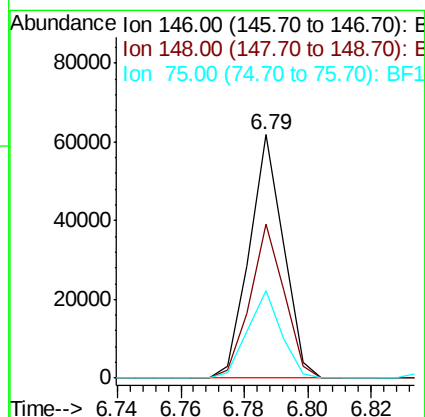
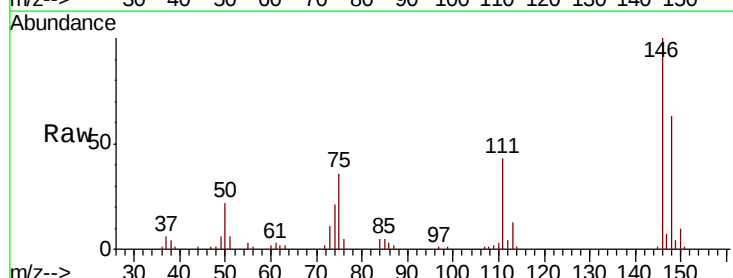
mohammad

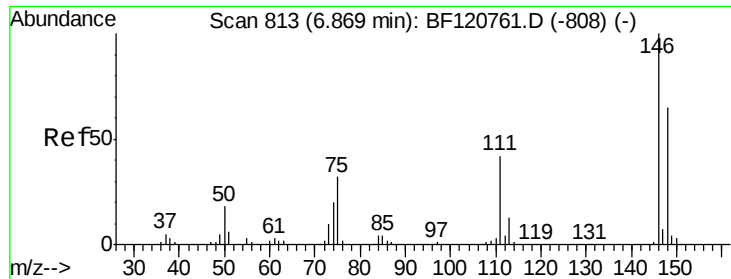
7/10/2020 11:47:34 AM



#12
1,3-Dichlorobenzene
Concen: 4.513 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	146	Resp:	46113
Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.1	78.1
75	36.0	26.0	39.0





#13
 1,4-Dichlorobenzene
 Concen: 4.435 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

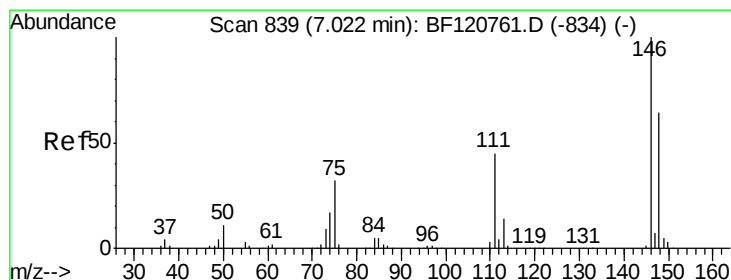
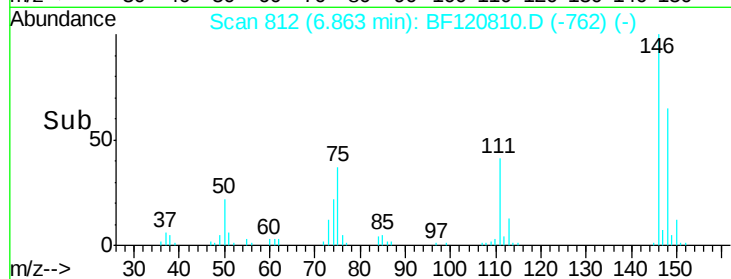
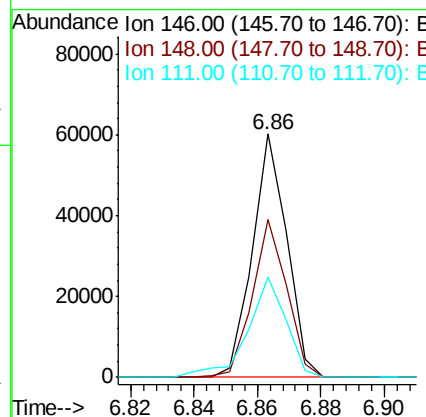
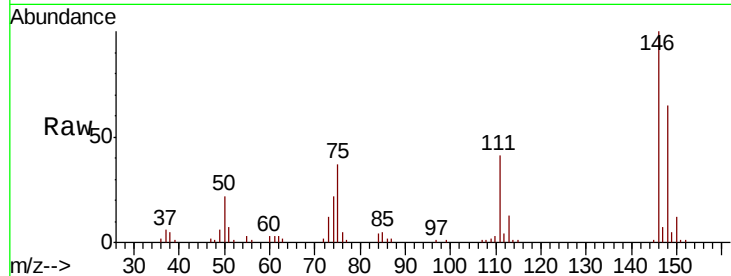
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		45380		
148	64.7	51.8	77.6		
111	41.0	33.7	50.5		

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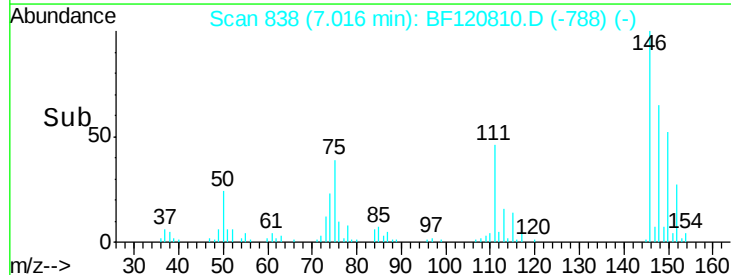
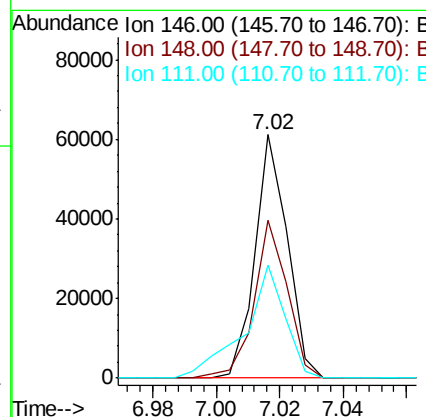
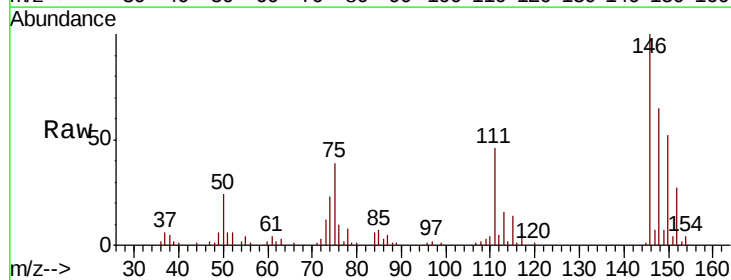
mohammad

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#14
 1,2-Dichlorobenzene
 Concen: 4.448 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		43305		
148	65.0	51.0	76.4		
111	46.5	35.7	53.5		





#15

Benzyl Alcohol

Concen: 5.281 ng/ml

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

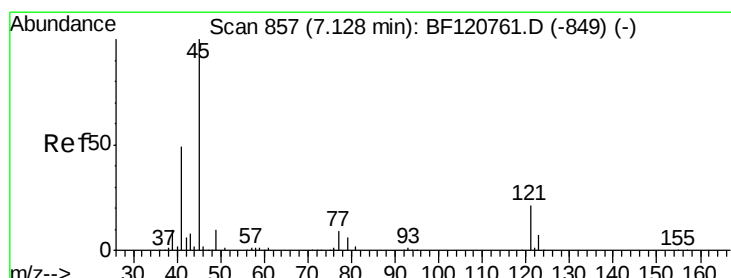
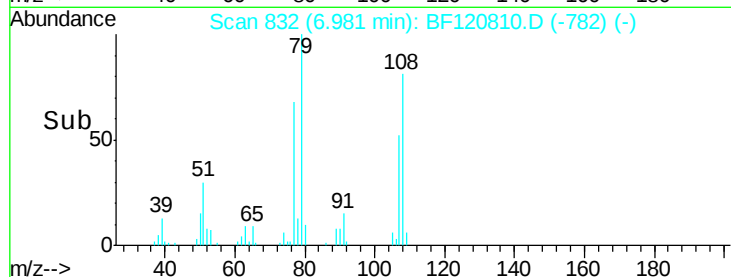
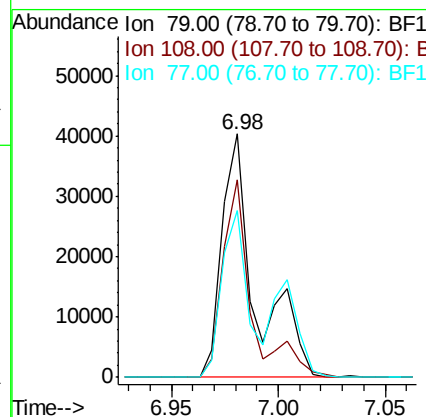
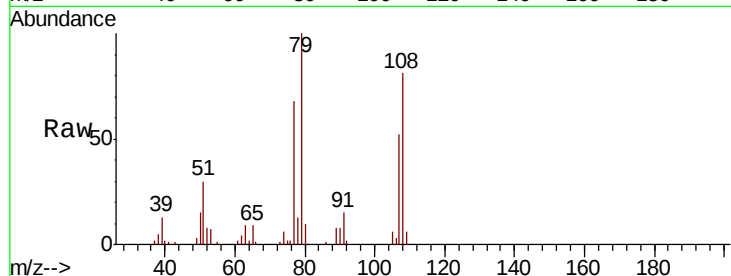
LOQ-SOIL-02-QT3-2020

Tot Ion:	79	Resp:	44175
Ion Ratio	Lower	Upper	
79	100		
108	81.3	62.4	93.6
77	68.4	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 4.177 ng/ml

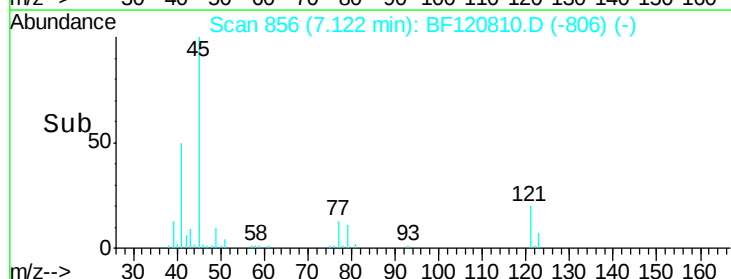
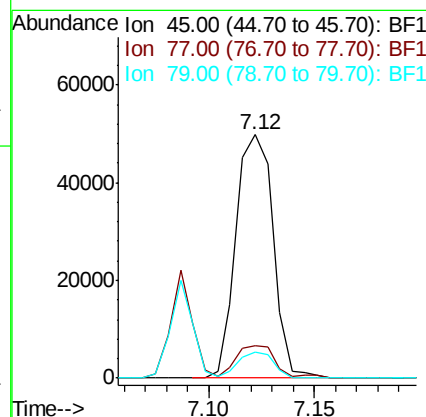
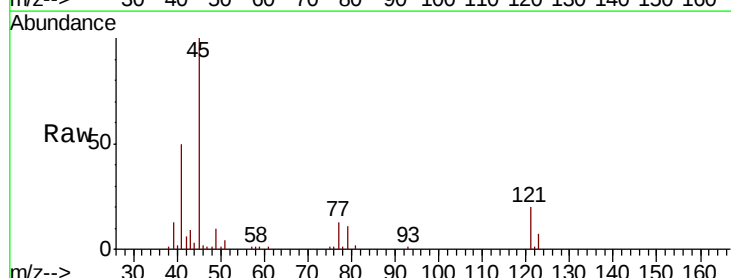
RT: 7.12 min Scan# 856

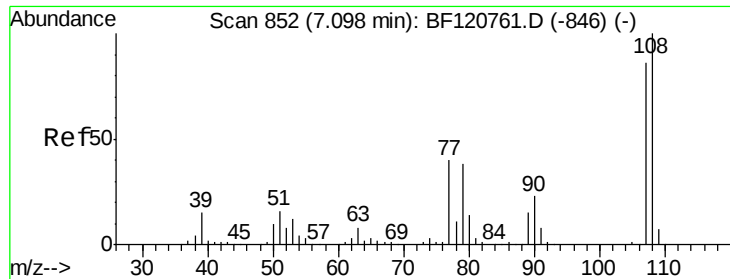
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	45	Resp:	60716
Ion Ratio	Lower	Upper	
45	100		
77	13.2	0.0	33.7
79	10.6	0.0	30.5





#17
2-Methylphenol
Concen: 3.800 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

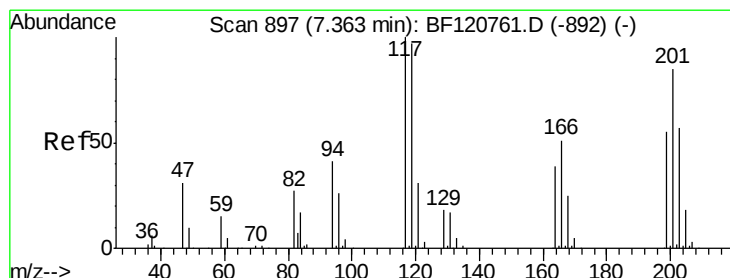
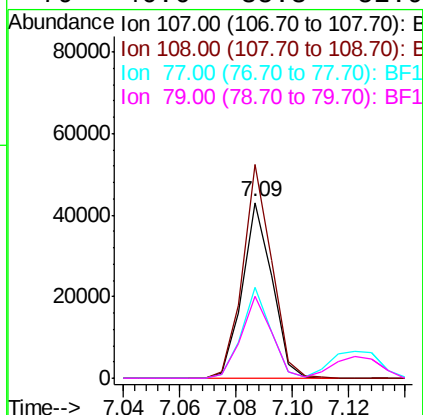
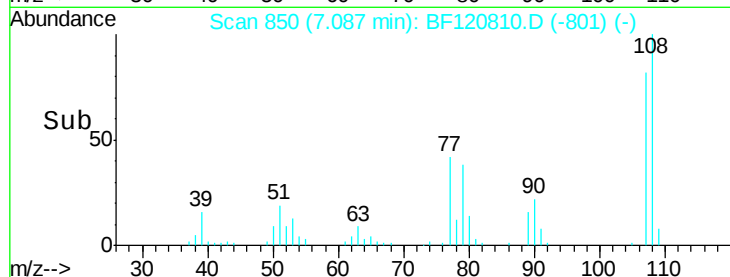
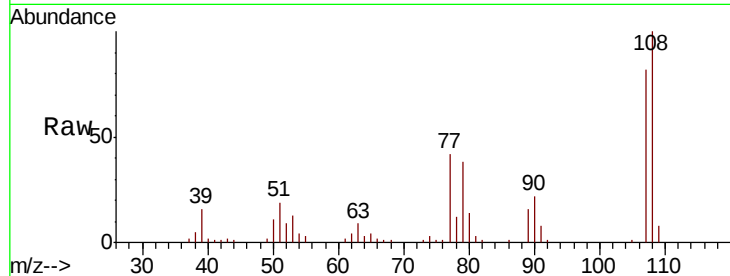
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	107	Resp:	31555
Ion Ratio	Lower	Upper	
107	100		
108	121.4	93.1	139.7
77	51.3	37.3	55.9
79	46.6	35.3	52.9

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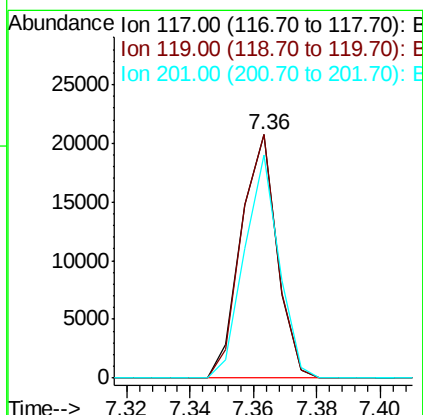
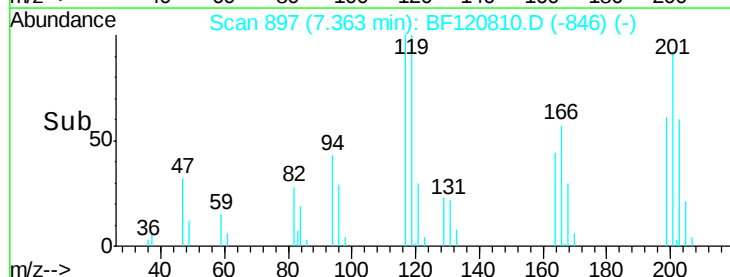
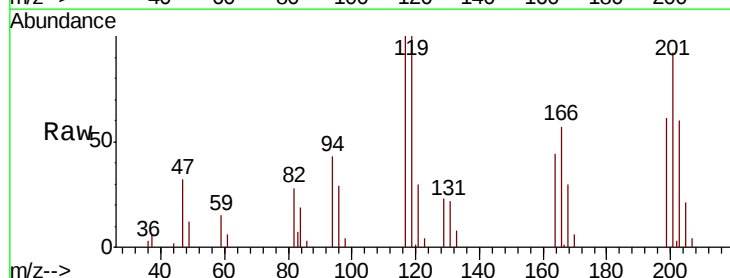
mohammad

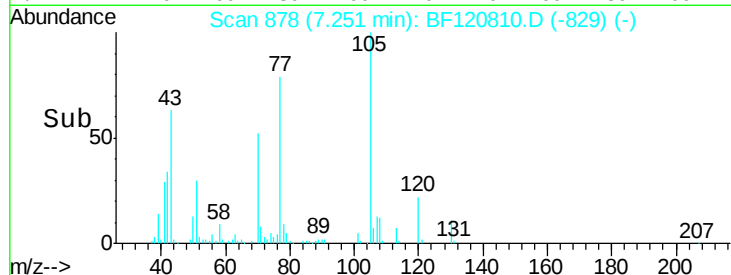
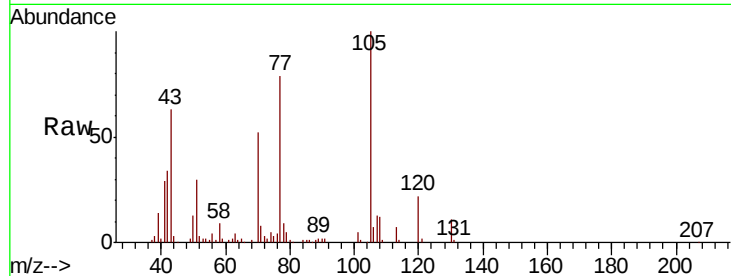
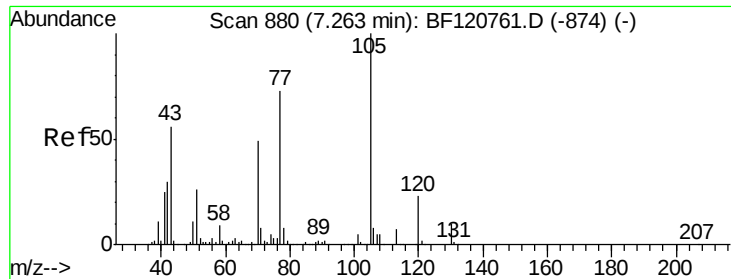
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#18
Hexachloroethane
Concen: 4.240 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	117	Resp:	16308
Ion Ratio	Lower	Upper	
117	100		
119	99.9	77.9	116.9
201	91.5	68.3	102.5





#19
n-Nitroso-di-n-propylamine
Concen: 4.206 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

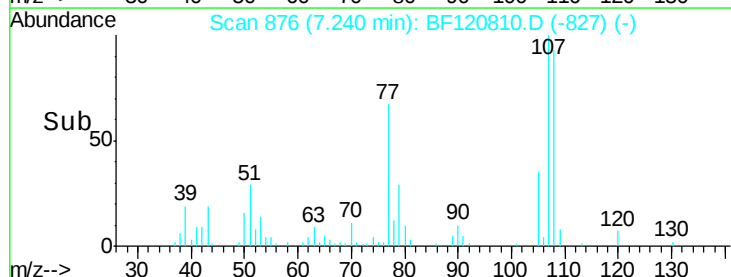
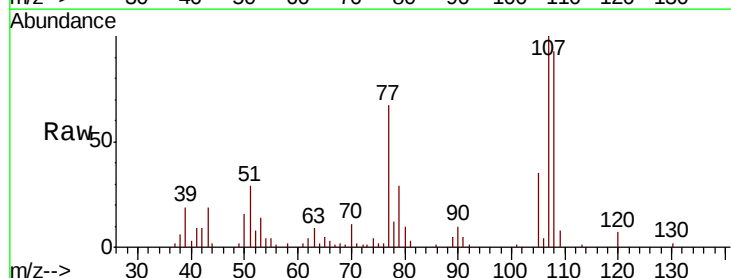
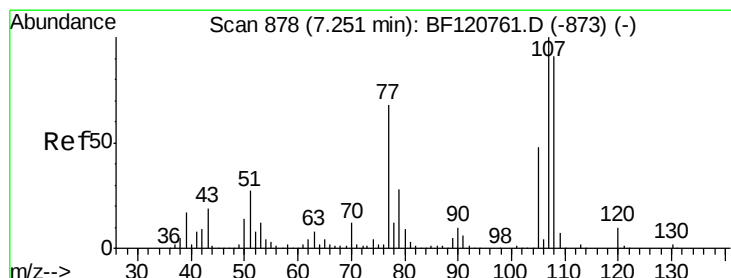
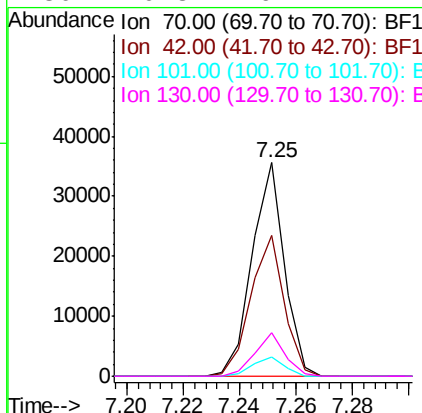
Tot Ion: 70 Resp: 28194
Ion Ratio Lower Upper
70 100
42 66.1 50.3 75.5
101 8.9 7.5 11.3
130 20.3 16.1 24.1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

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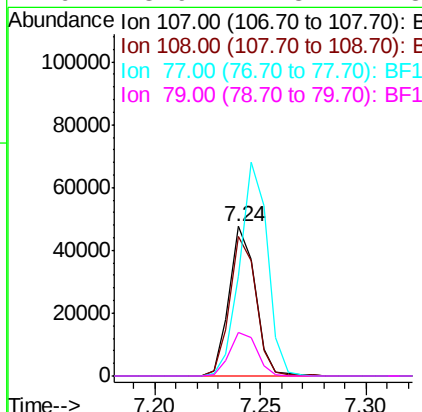
mohammad

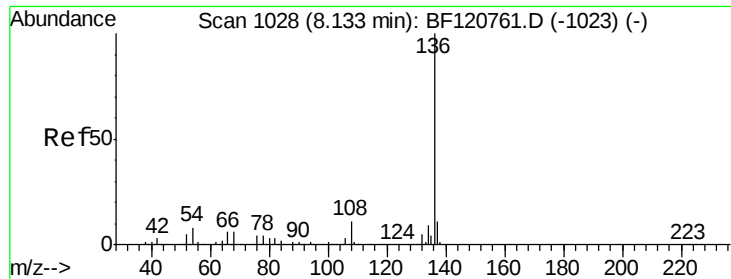
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#20
3+4-Methylphenols
Concen: 4.006 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion: 107 Resp: 40969
Ion Ratio Lower Upper
107 100
108 93.2 70.9 110.9
77 66.9 48.3 88.3
79 28.9 7.8 47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

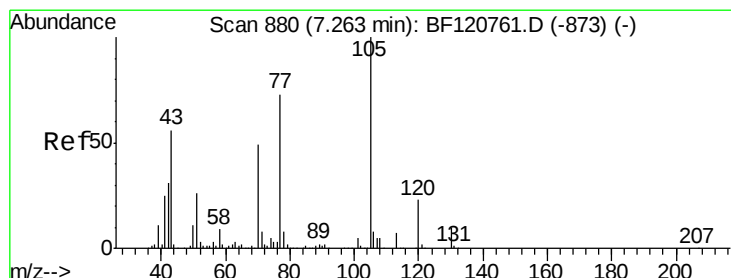
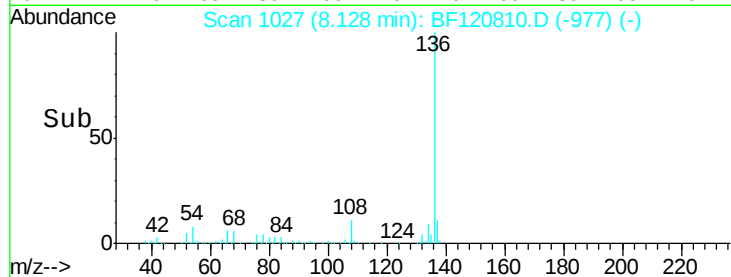
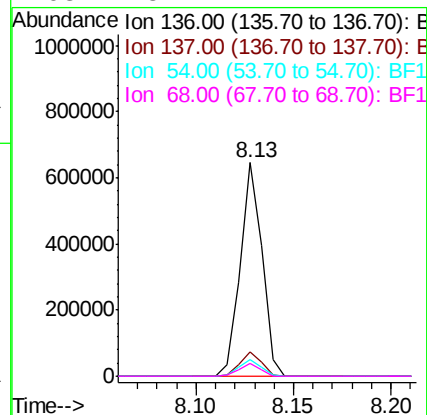
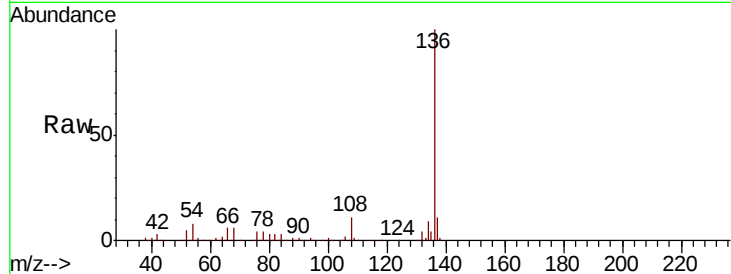
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Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.6	
54	8.0	6.2	9.4	
68	5.7	4.7	7.1	

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#22

Acetophenone

Concen: 4.888 ng

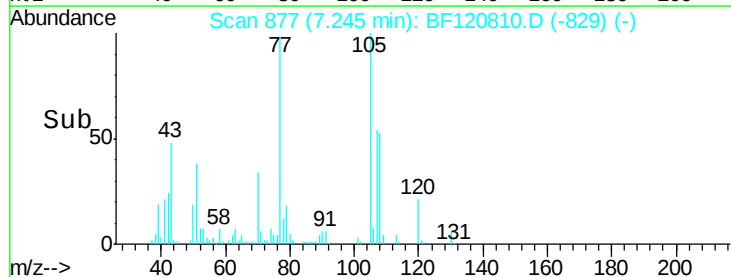
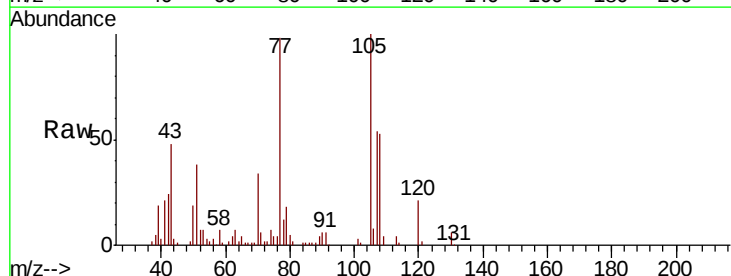
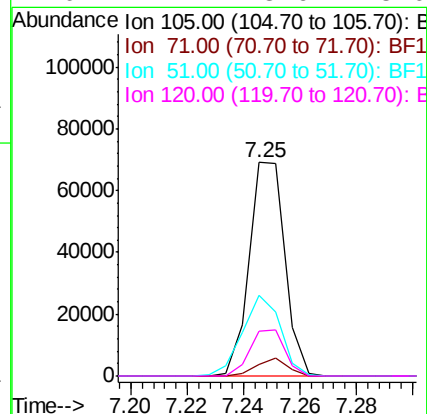
RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.6	6.5	9.7#	
51	37.7	21.0	31.4#	
120	21.1	18.6	28.0	





#23
Nitrobenzene-d5
Concen: 78.054 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

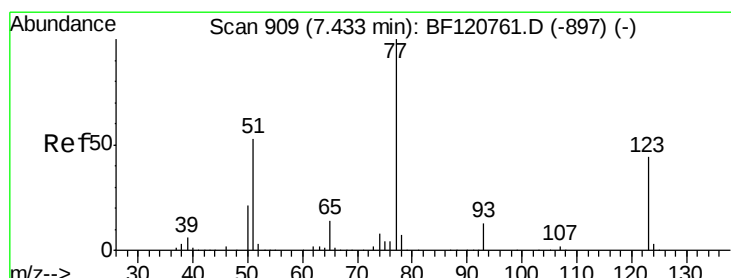
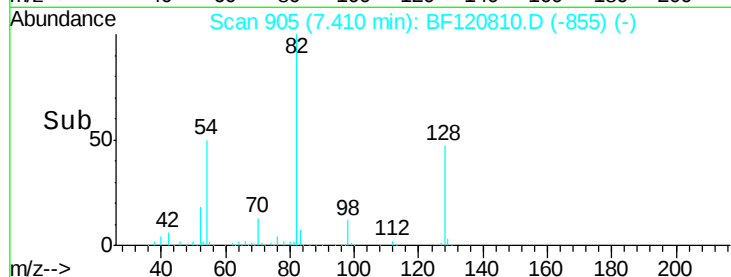
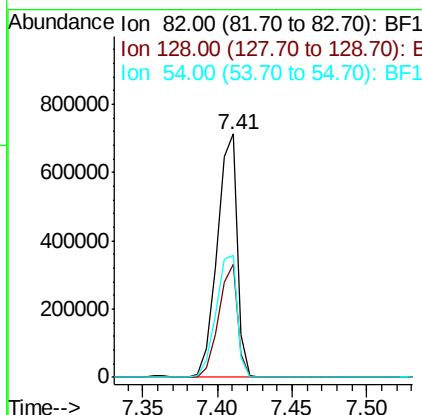
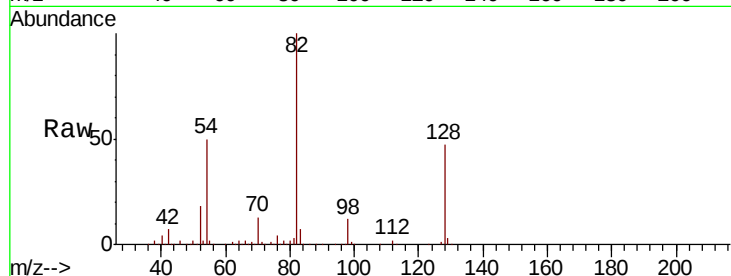
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	82	Resp:	673009
Ion Ratio	Lower	Upper	
82	100		
128	46.5	35.7	53.5
54	50.3	40.9	61.3

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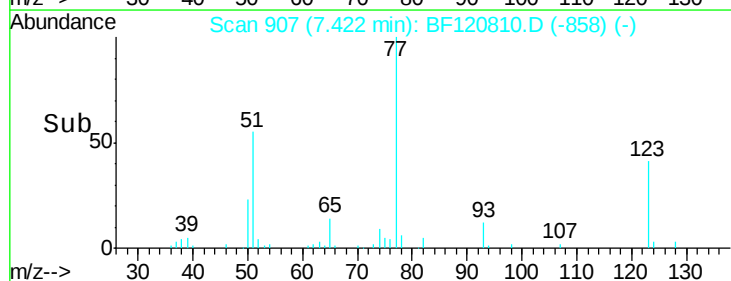
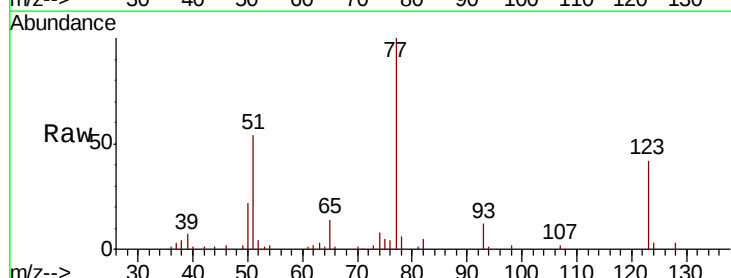
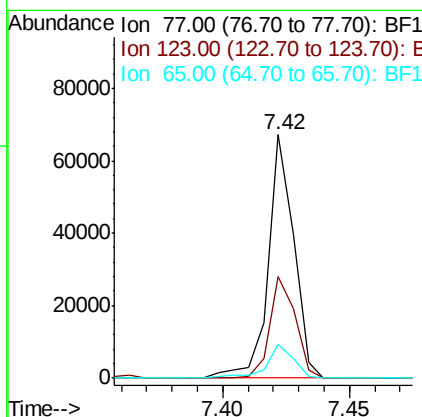
mohammad

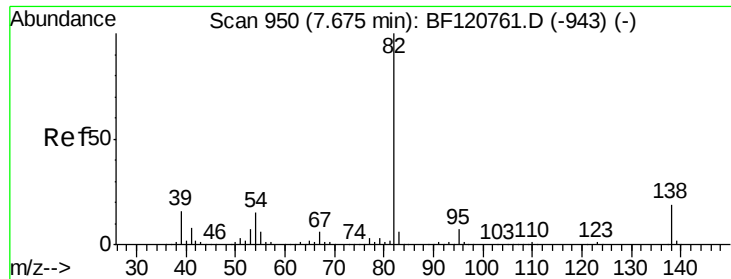
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#24
Nitrobenzene
Concen: 4.874 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	77	Resp:	47182
Ion Ratio	Lower	Upper	
77	100		
123	41.8	36.1	54.1
65	14.0	11.0	16.4





#25

Isophorone

Concen: 3.971 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tot Ion:	82	Resp:	73833
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.2
138	15.4	15.0	22.4

Instrument :

BNA_F

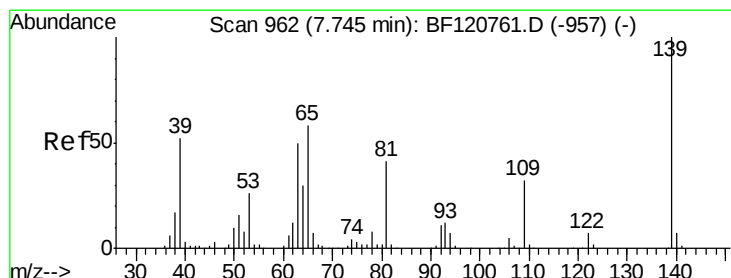
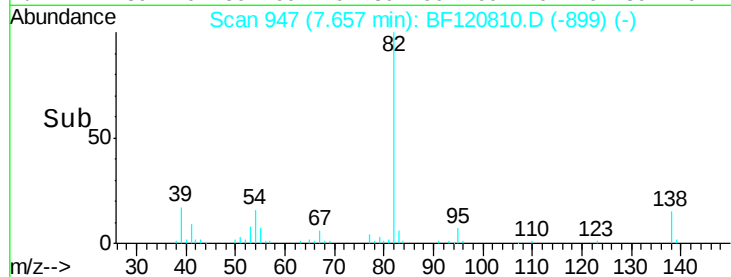
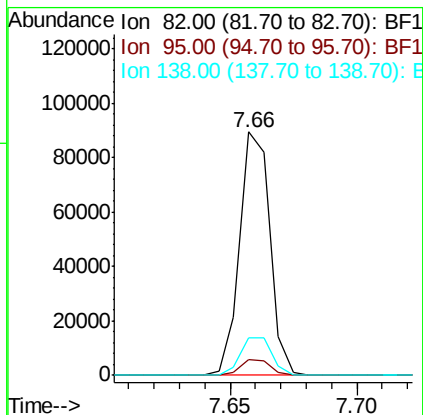
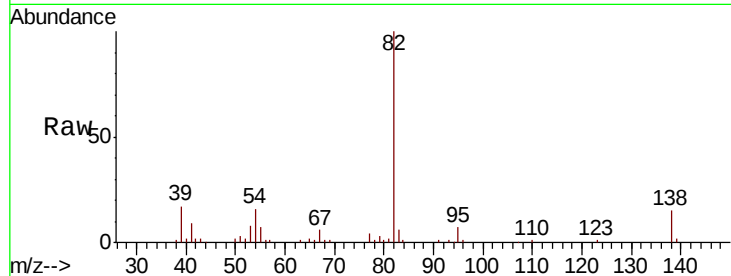
ClientSampleId :

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#26

2-Nitrophenol

Concen: 3.467 ng

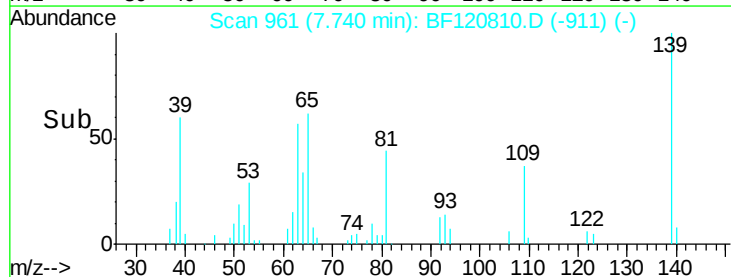
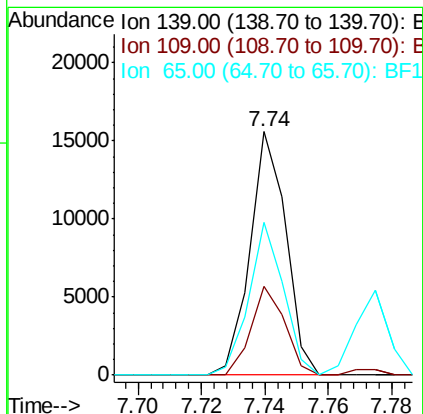
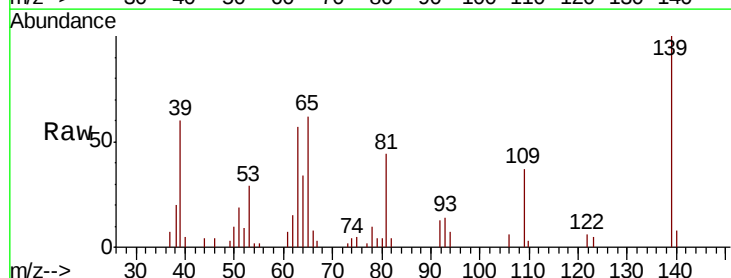
RT: 7.74 min Scan# 961

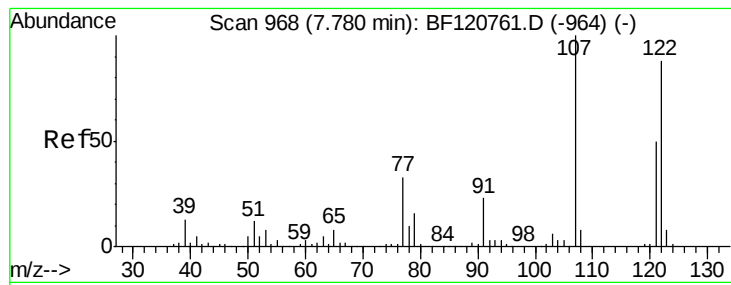
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	139	Resp:	12269
Ion Ratio	Lower	Upper	
139	100		
109	36.6	25.3	37.9
65	62.5	46.2	69.2





#27
 2,4-Dimethylphenol
 Concen: 4.506 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

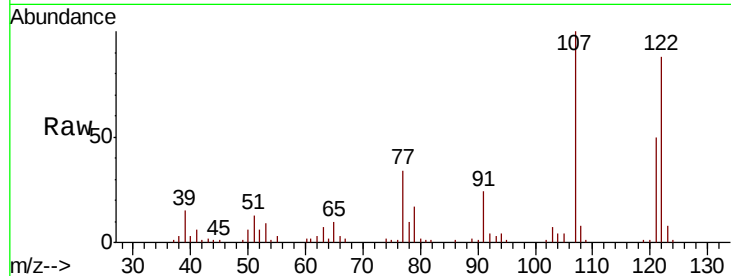
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		33444		
107	113.4	90.7	136.1		
121	57.2	45.4	68.0		

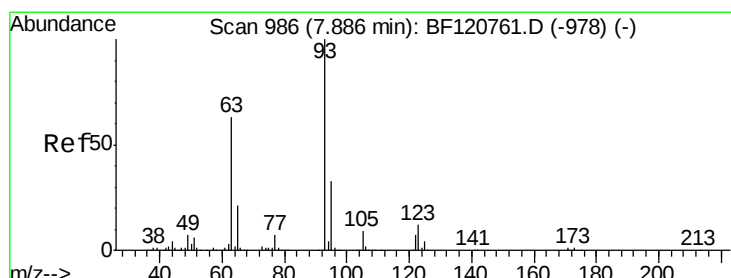
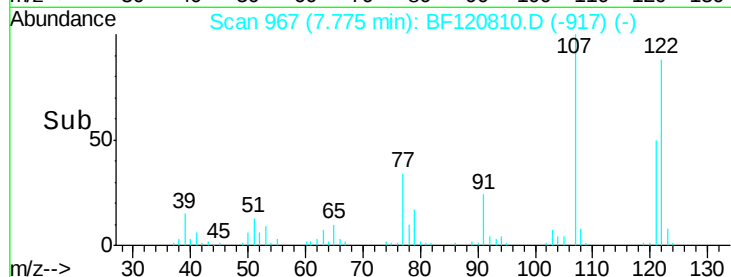
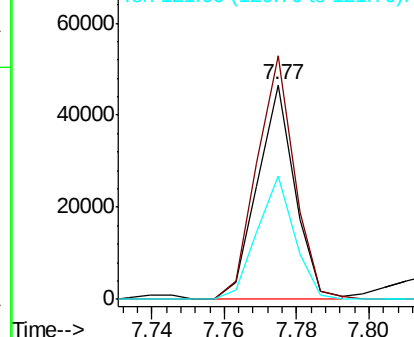
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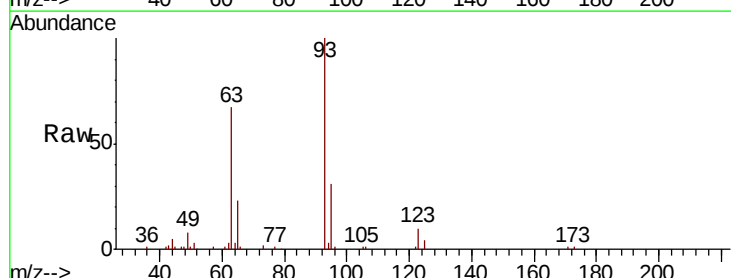


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

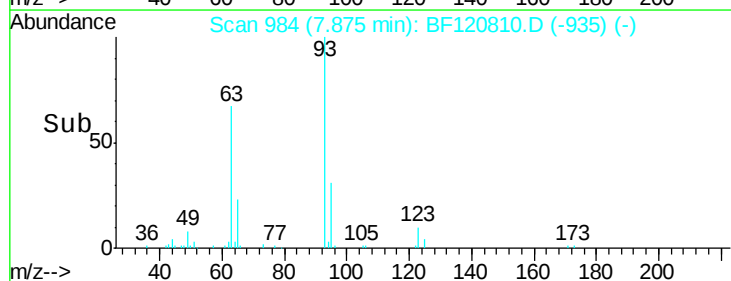
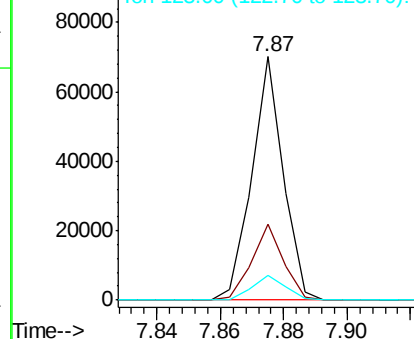


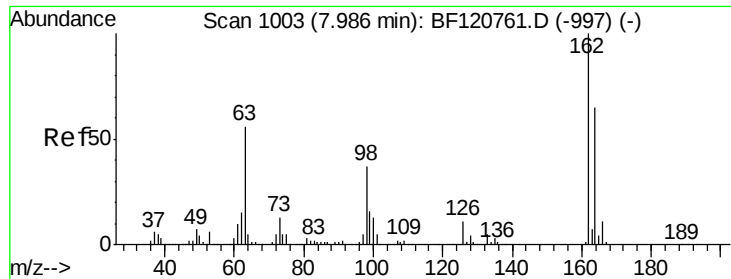
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.355 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		47926		
95	31.4	26.4	39.6		
123	10.1	10.2	15.2#		



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: 3.939 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

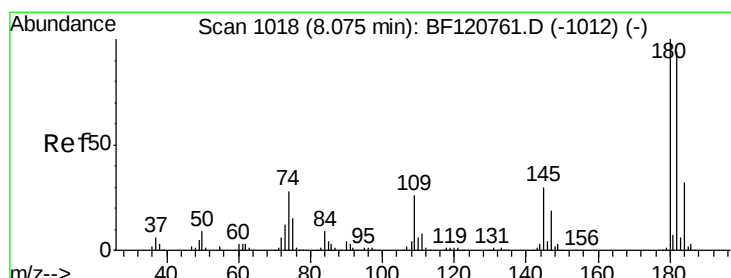
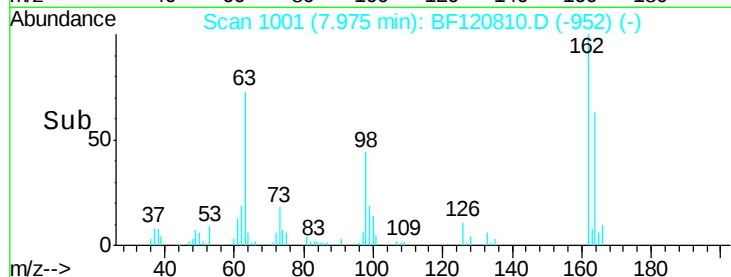
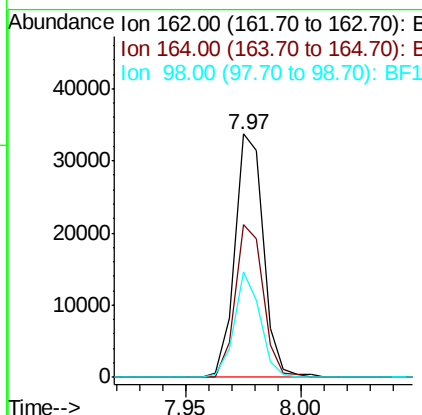
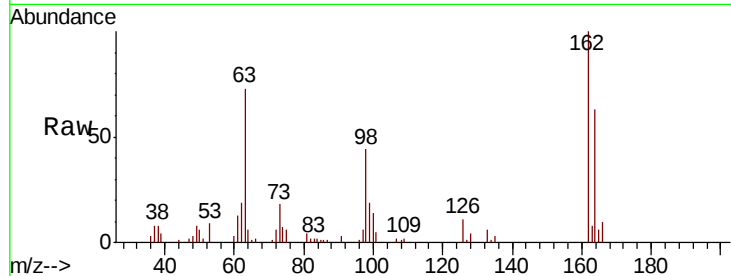
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	62.7	45.2	85.2
98	43.5	17.0	57.0

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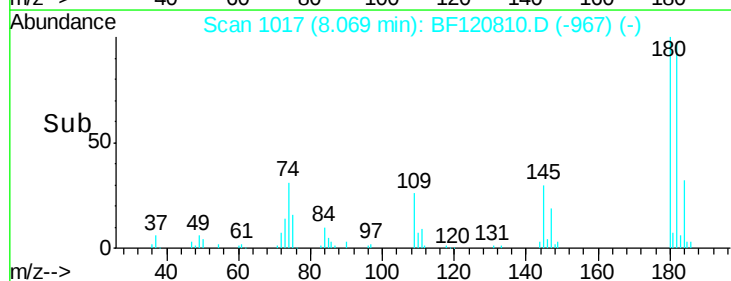
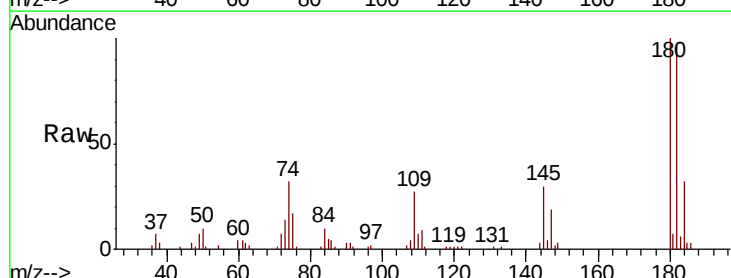
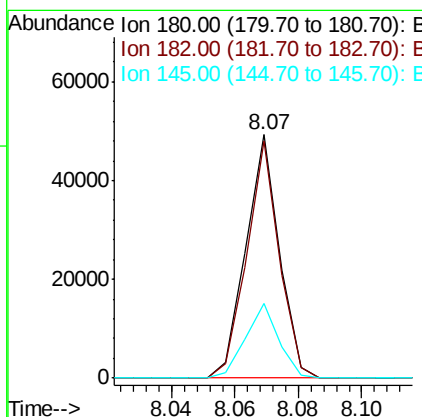
mohammad

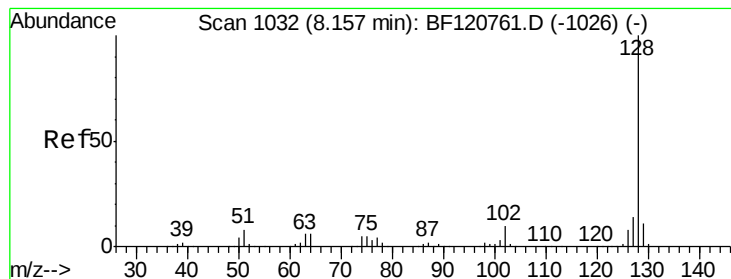
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#30
1,2,4-Trichlorobenzene
Concen: 4.306 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.5	113.3
145	30.5	24.1	36.1





#31

Naphthalene

Concen: 4.571 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

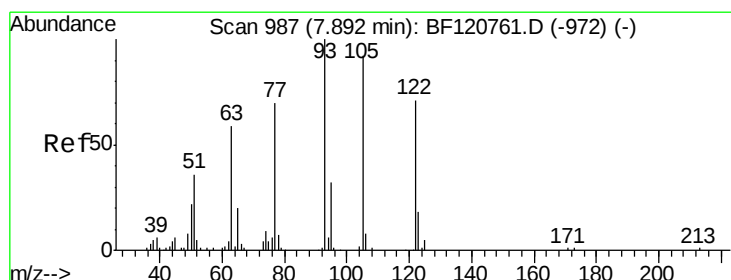
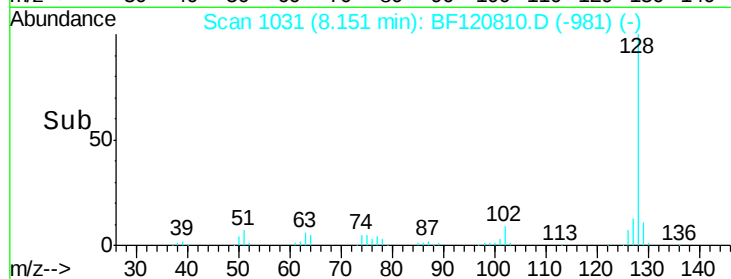
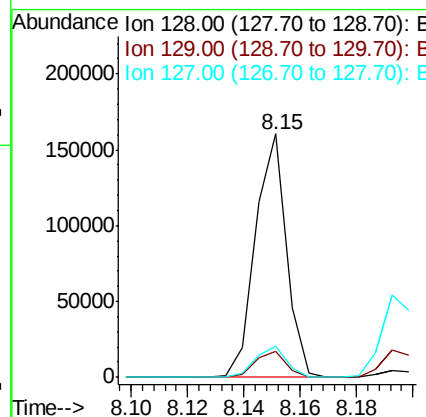
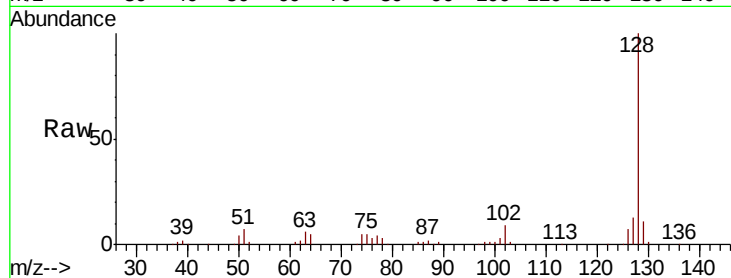
LOQ-SOIL-02-QT3-2020

Tot Ion:	128	Resp:	122027
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.2	13.8
127	12.8	11.1	16.7

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#32

Benzoic acid

Concen: 2.113 ng

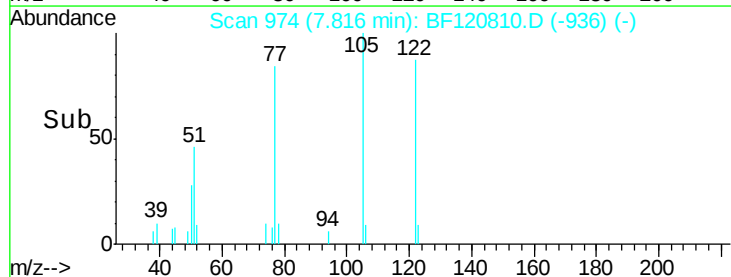
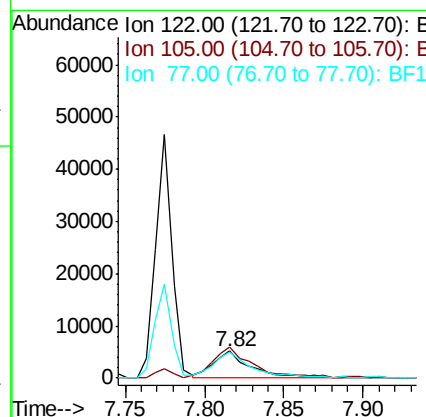
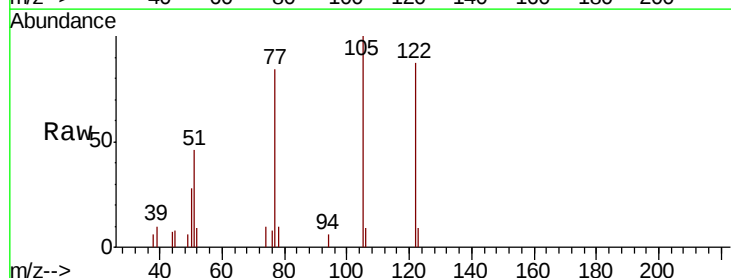
RT: 7.82 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	122	Resp:	8487
Ion Ratio	Lower	Upper	
122	100		
105	115.5	105.8	145.8
77	97.1	77.3	117.3





#33
4-Chloroaniline
Concen: 3.992 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

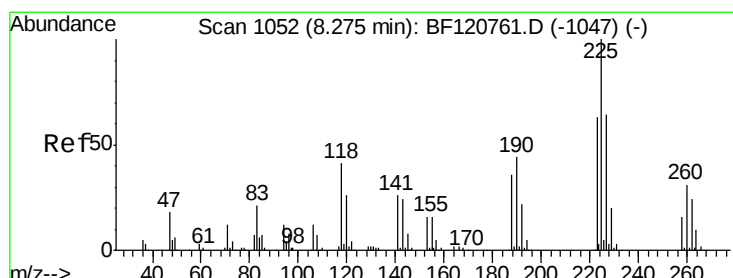
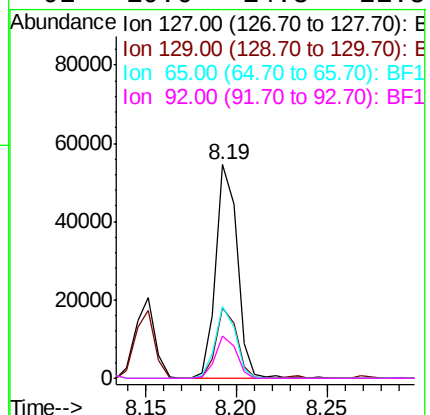
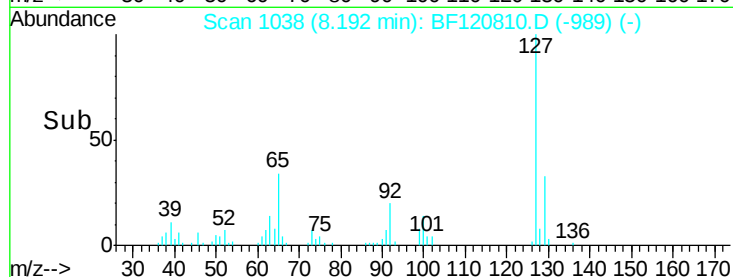
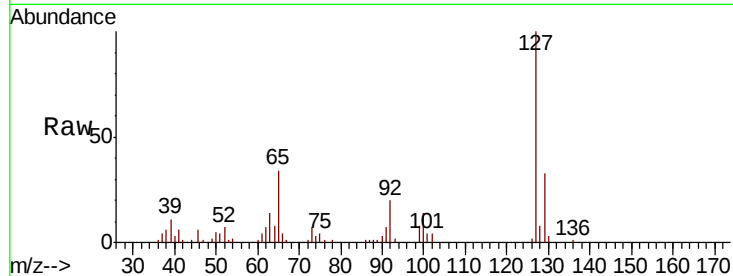
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.8	26.6	39.8		
65	33.8	22.7	34.1		
92	19.6	14.3	21.5		

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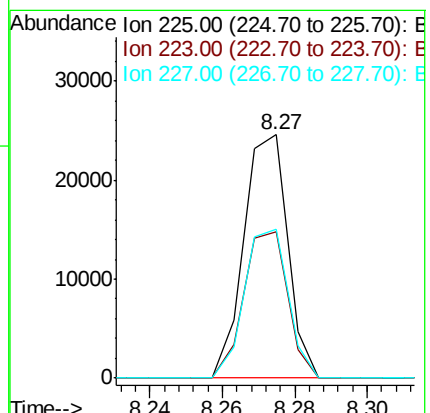
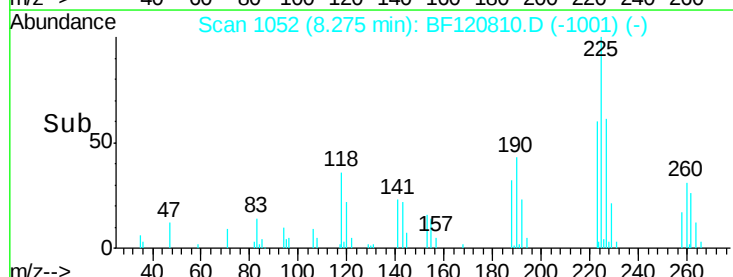
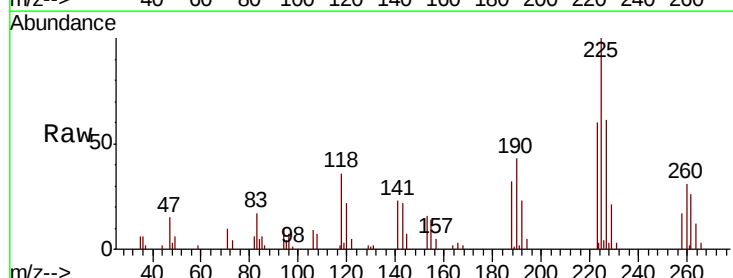
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#34
Hexachlorobutadiene
Concen: 4.120 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.6	76.0		
227	61.4	51.4	77.2		





#35
 Caprolactam
 Concen: 3.345 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.05 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

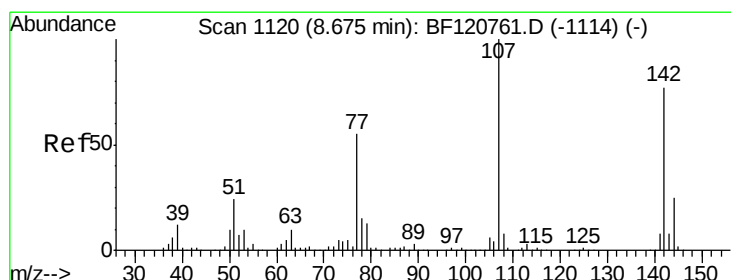
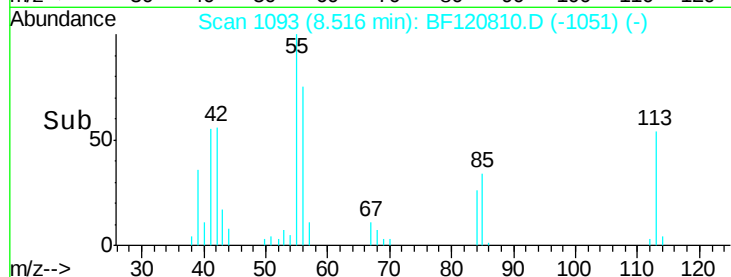
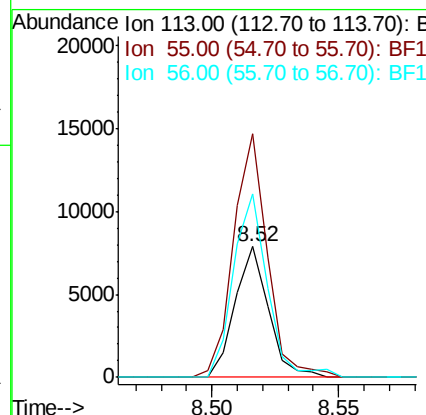
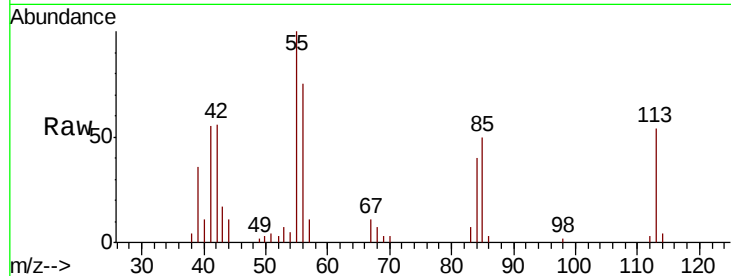
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	186.4	168.3	208.3
56	140.3	118.8	158.8

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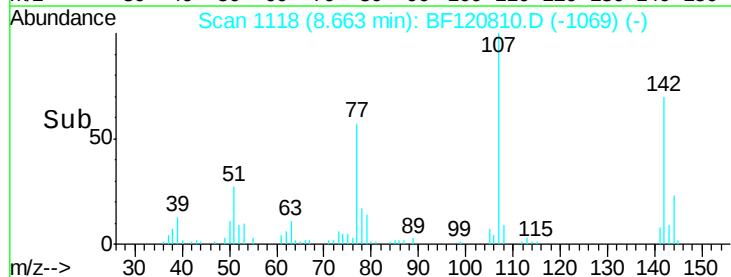
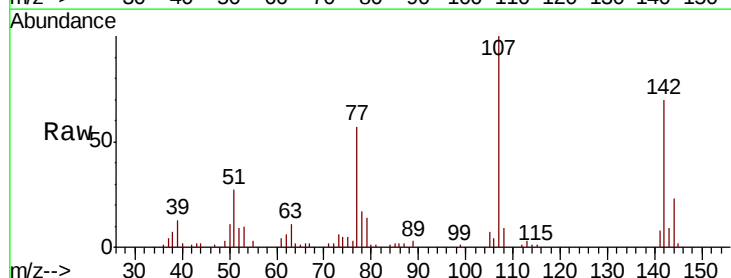
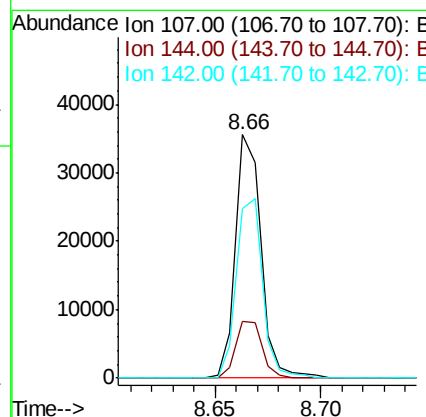
mohammad

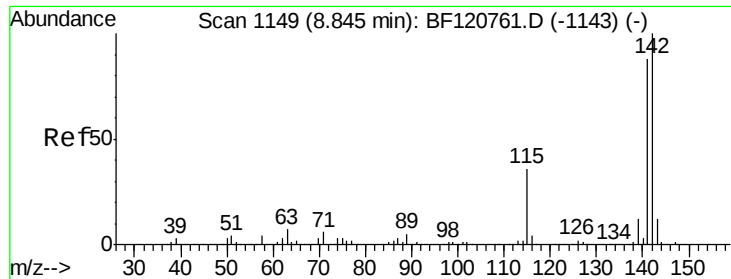
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#36
 4-Chloro-3-methylphenol
 Concen: 3.844 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.1	19.7	29.5
142	69.7	61.2	91.8





#37
2-Methylnaphthalene
Concen: 4.366 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

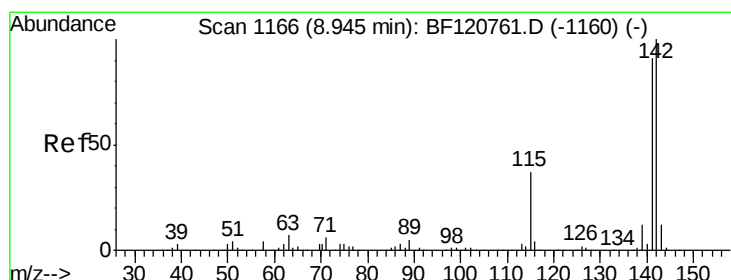
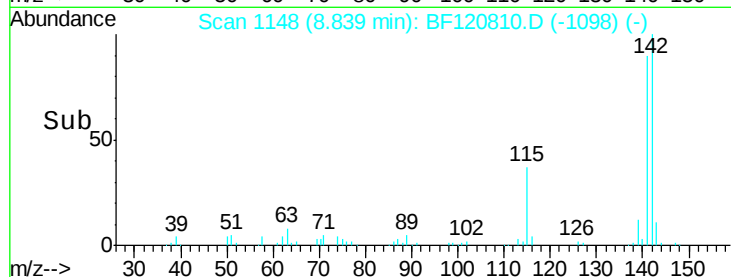
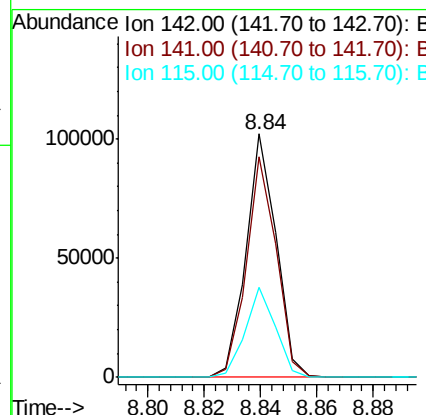
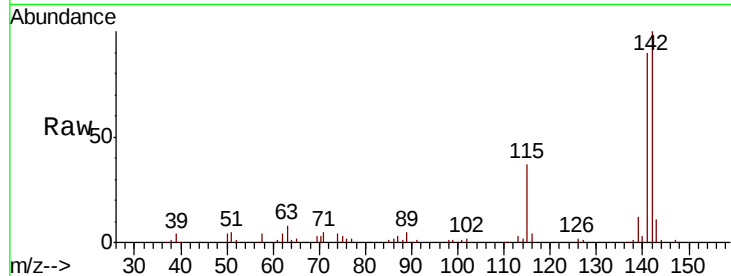
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.2	105.4
115	37.0	29.0	43.4

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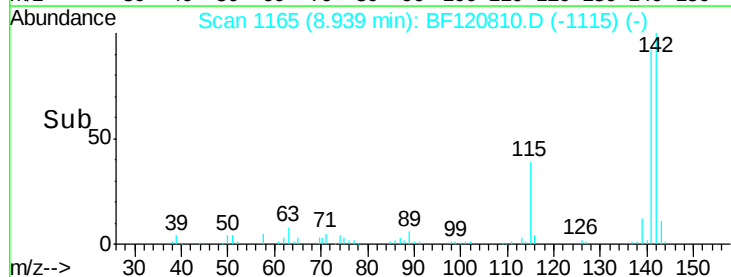
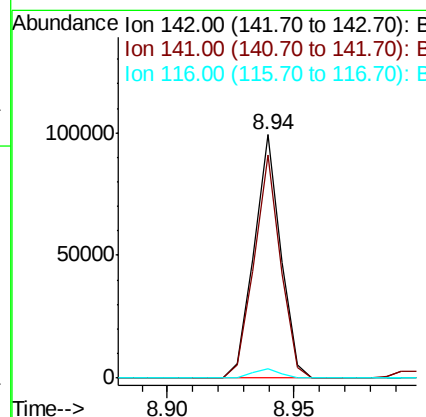
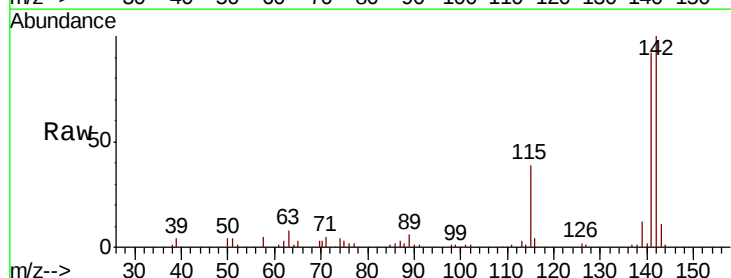
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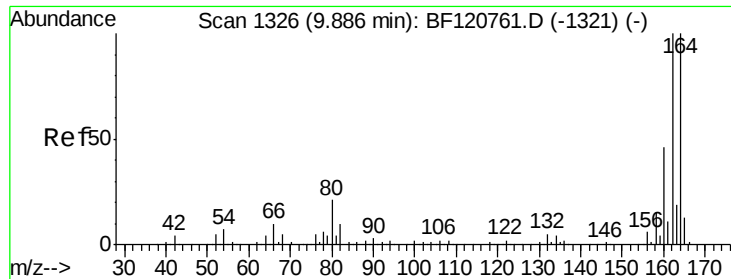
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#38
1-Methylnaphthalene
Concen: 4.476 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.5	108.7
116	4.0	3.1	4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

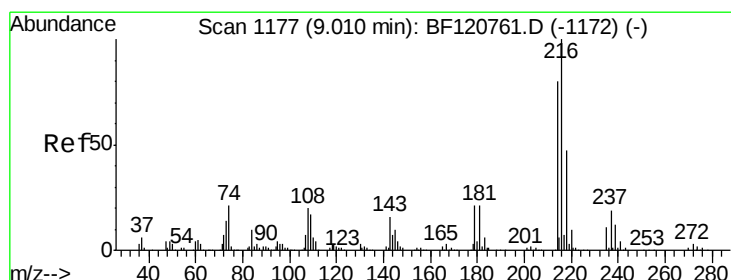
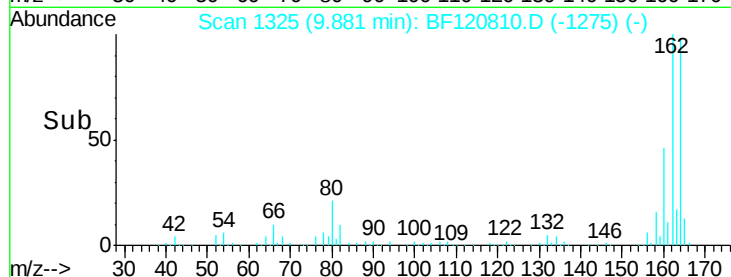
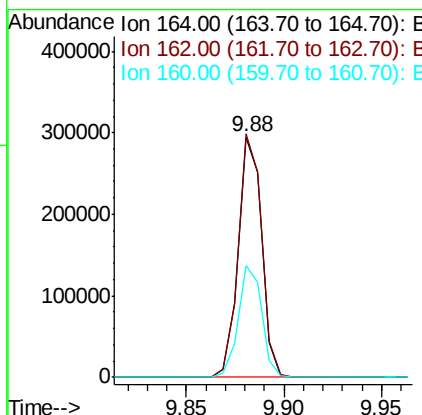
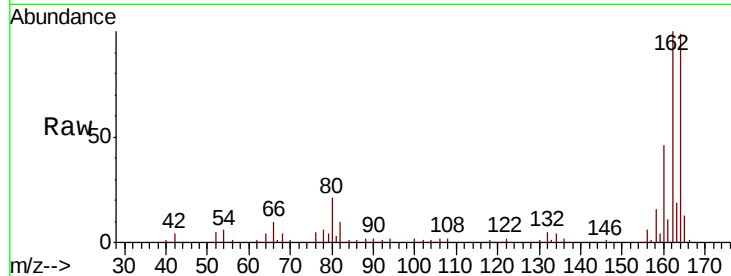
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.2	120.2
160	46.6	36.9	55.3

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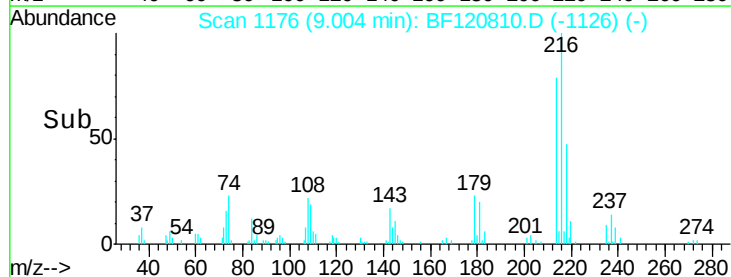
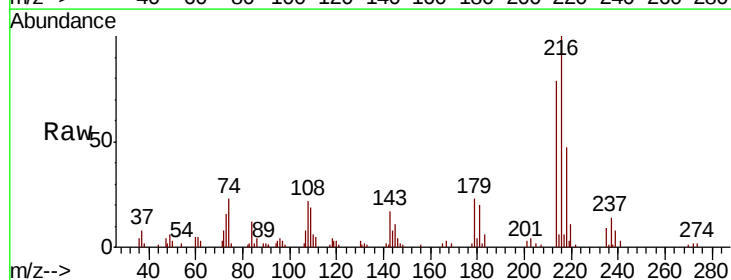
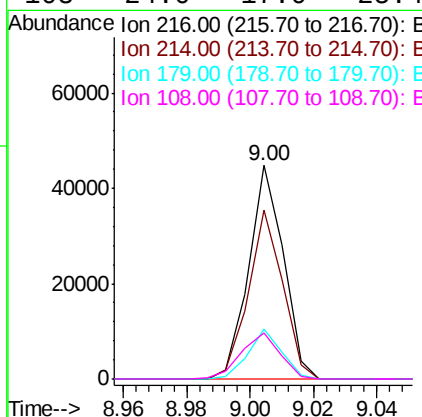
mohammad

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#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.605 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	22.5	16.7	25.1
108	24.0	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 3.443 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

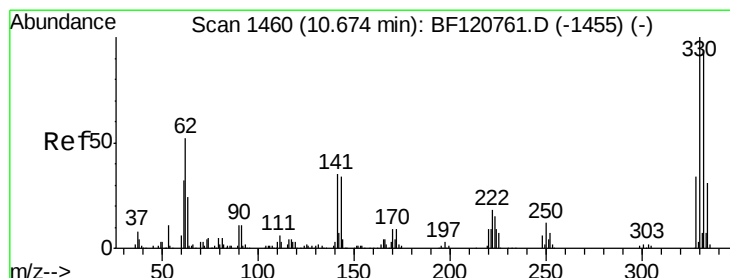
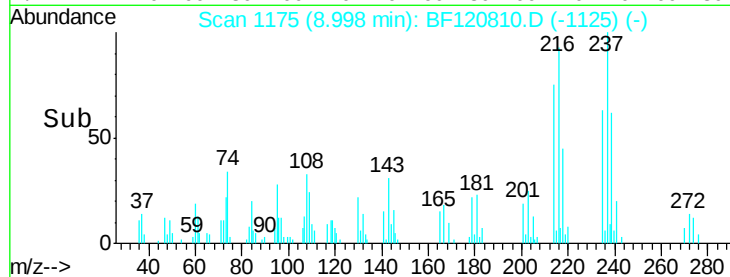
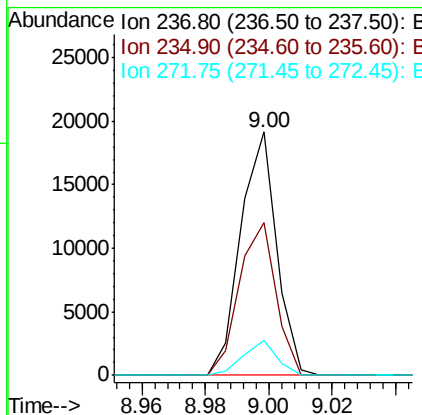
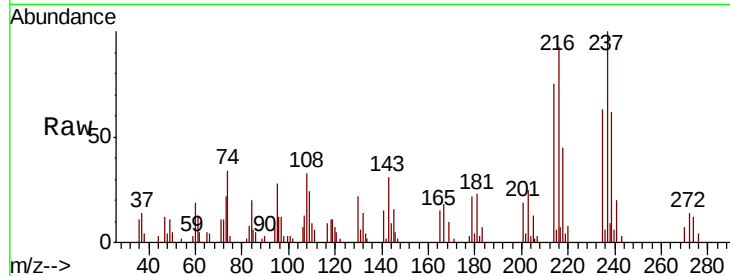
LOQ-SOIL-02-QT3-2020

Tot Ion:	237	Resp:	15025
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.1	82.1
272	14.2	0.0	33.4

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#42

2,4,6-Tribromophenol

Concen: 102.233 ng

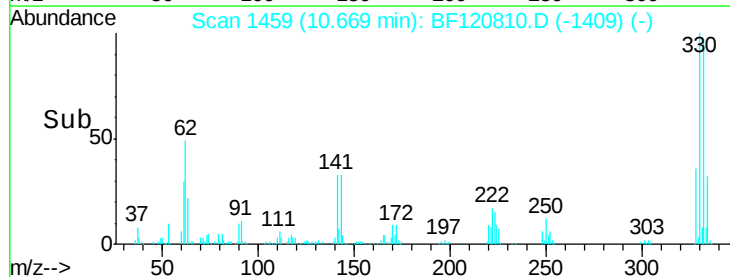
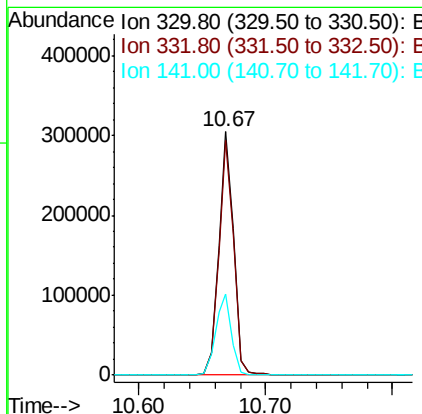
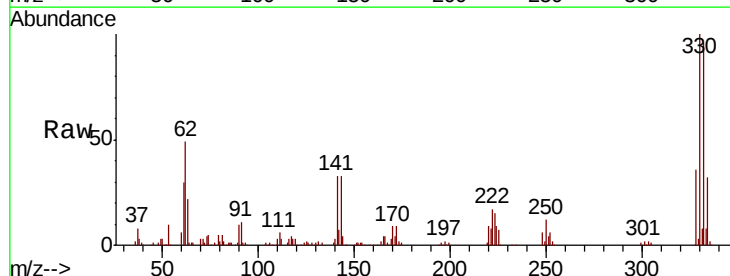
RT: 10.67 min Scan# 1459

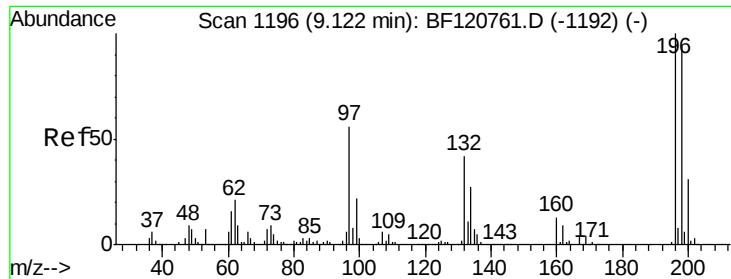
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	330	Resp:	251026
Ion Ratio	Lower	Upper	
330	100		
332	96.5	75.8	113.6
141	35.9	29.7	44.5





#43
 2,4,6-Trichlorophenol
 Concen: 3.426 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

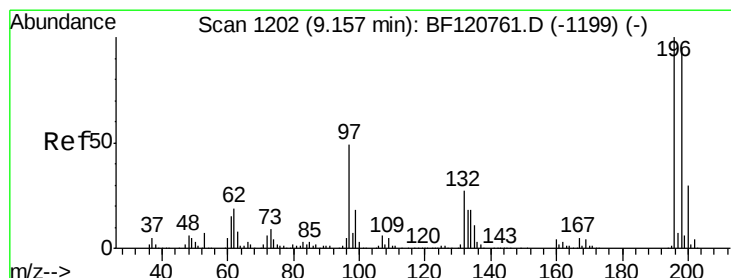
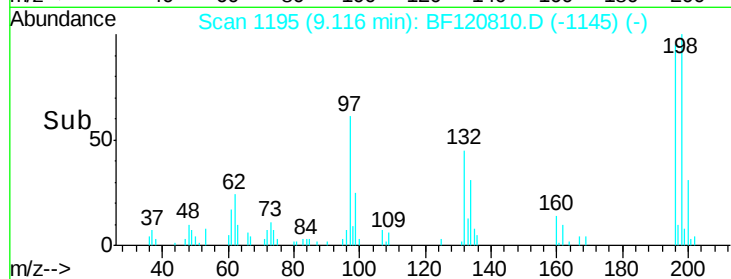
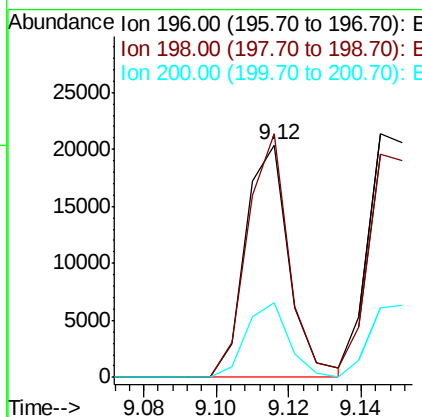
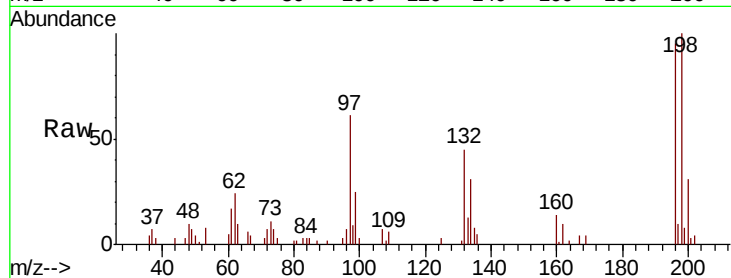
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	196	Resp:	17244
Ion Ratio	Lower	Upper	
196	100		
198	104.8	75.3	112.9
200	32.1	24.4	36.6

Manual Integrations
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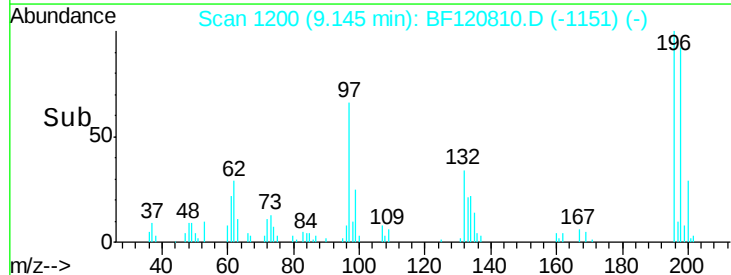
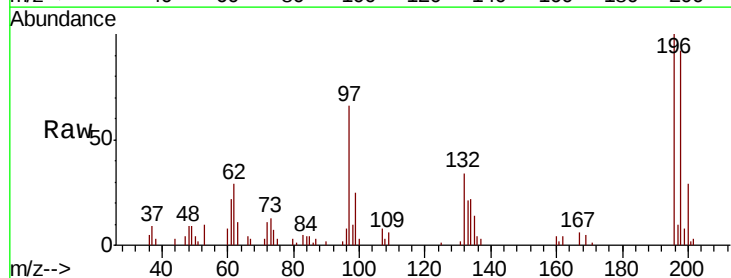
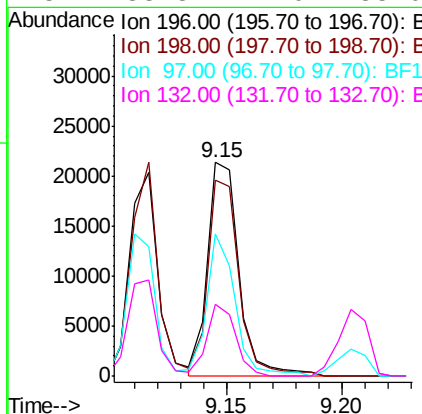
mohammad

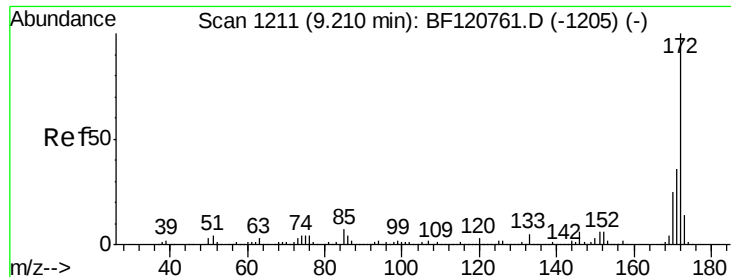
7/10/2020 11:47:34 AM



#44
 2,4,5-Trichlorophenol
 Concen: 3.601 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:	196	Resp:	20114
Ion Ratio	Lower	Upper	
196	100		
198	91.6	76.2	114.2
97	66.3	39.6	59.4#
132	33.8	22.0	33.0#





#45
2-Fluorobiphenyl
Concen: 76.873 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

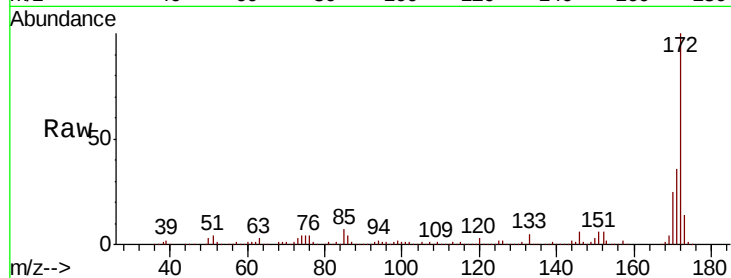
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.8	19.8	29.6

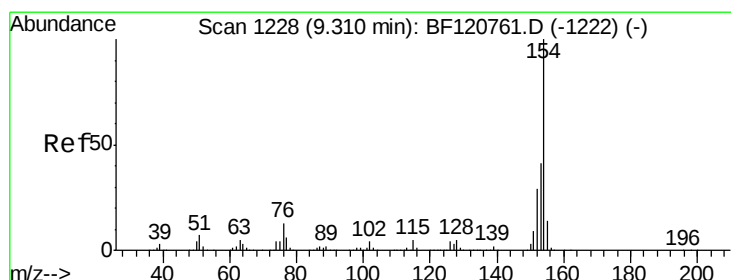
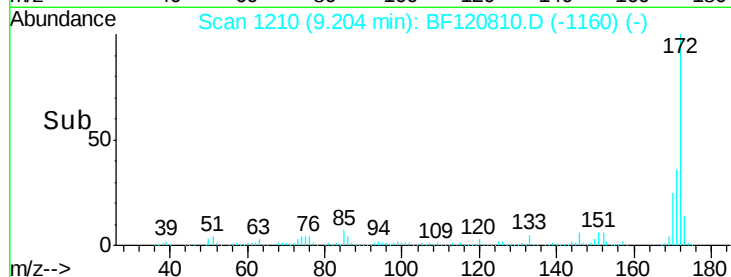
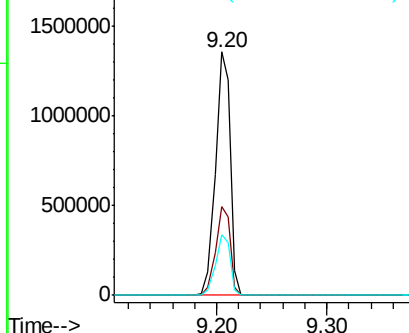
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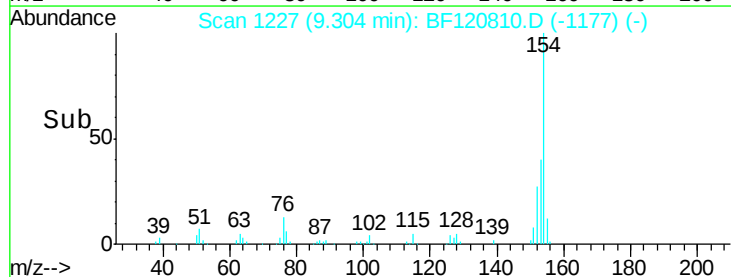
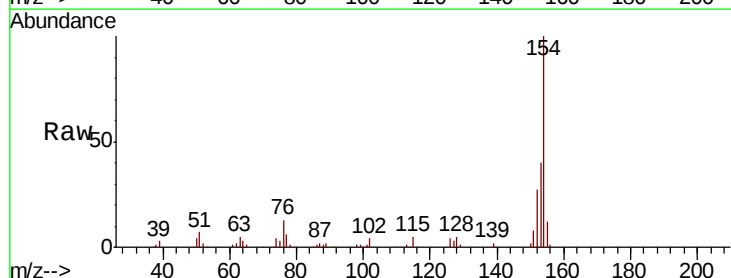
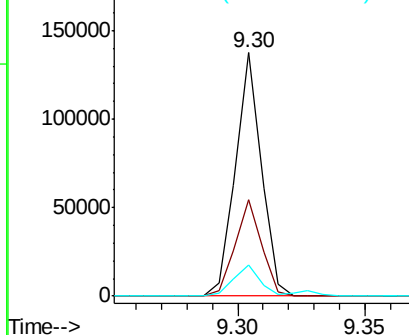
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

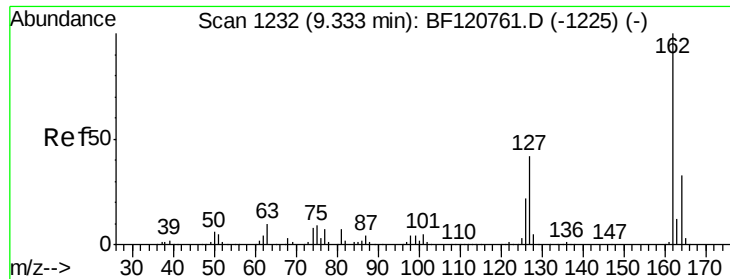


#46
1,1'-Biphenyl
Concen: 4.946 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	12.9	0.0	33.3

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: 4.341 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

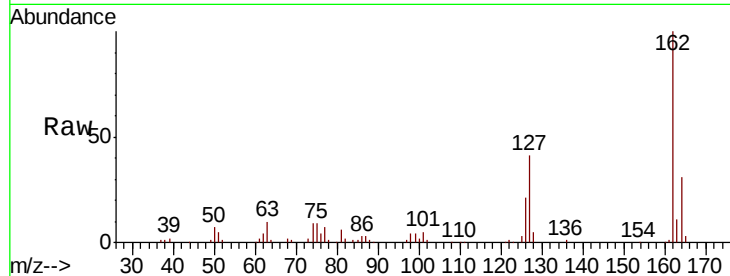
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.7	50.5
164	30.9	26.4	39.6

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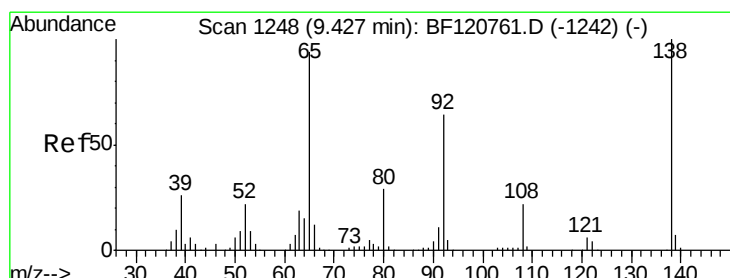
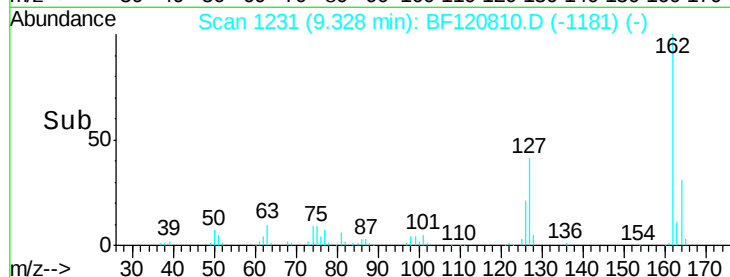
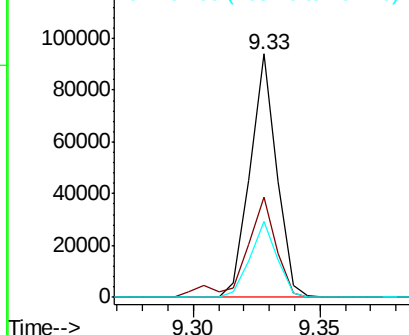


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
 2-Nitroaniline
 Concen: 3.784 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

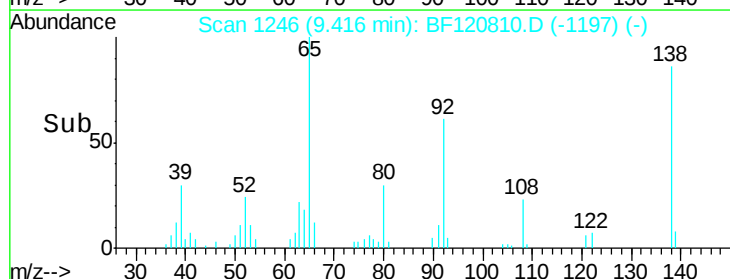
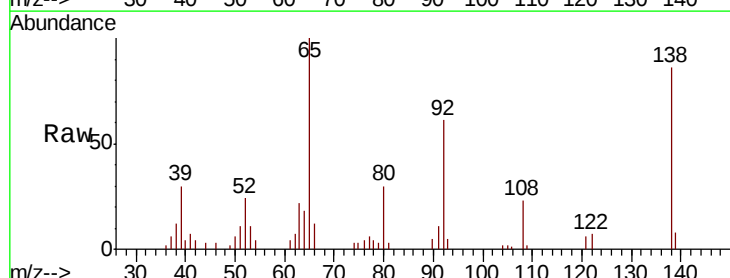
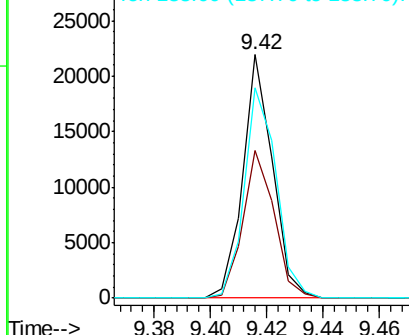
Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.8	54.4	81.6
138	86.2	84.7	127.1

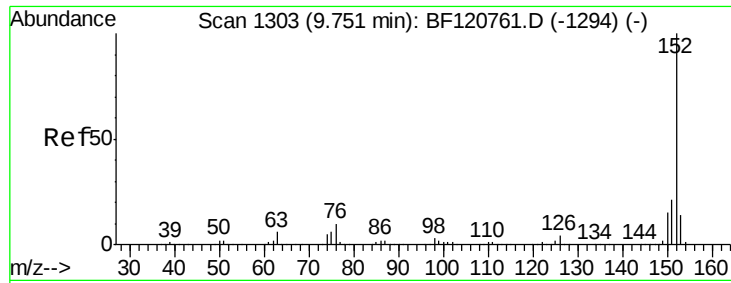
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49
Acenaphthylene
Concen: 4.287 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

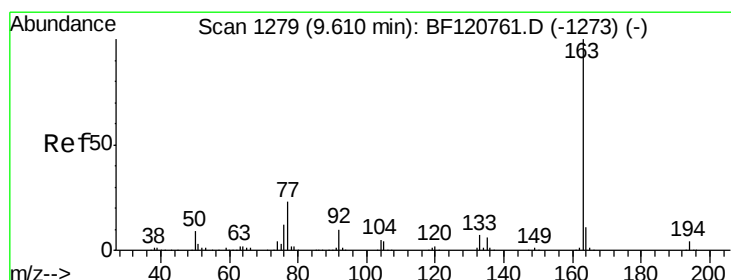
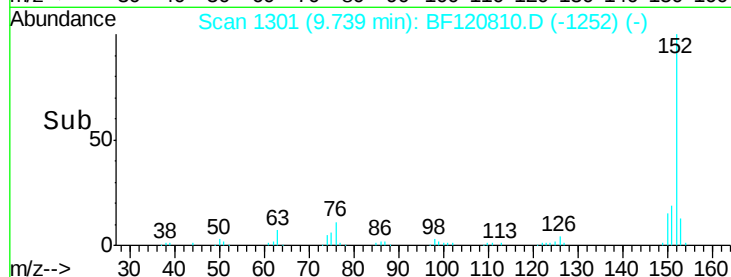
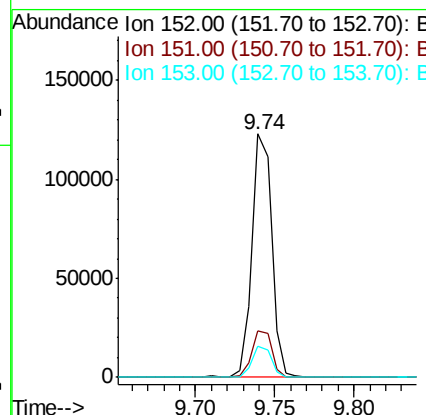
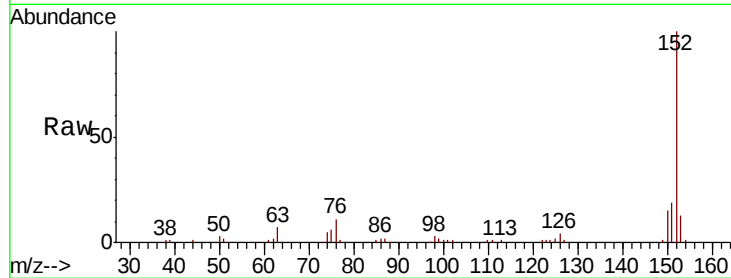
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	19.1	16.9	25.3
153	12.6	10.8	16.2

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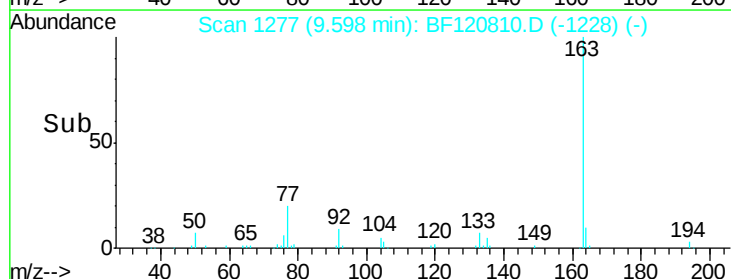
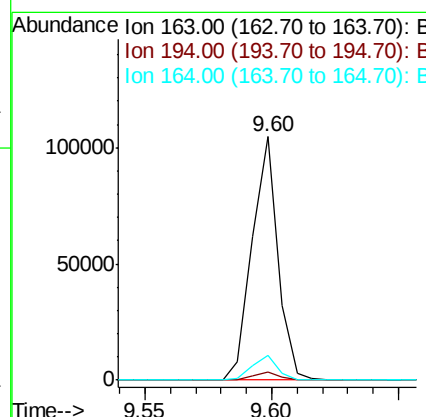
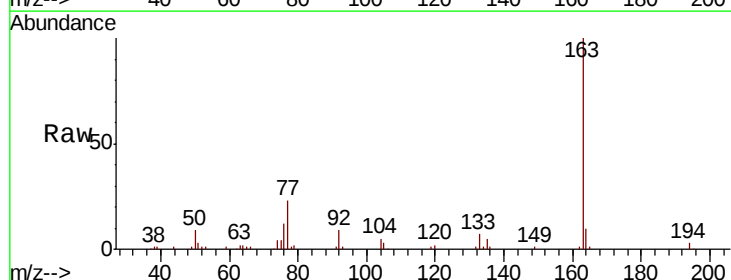
mohammad

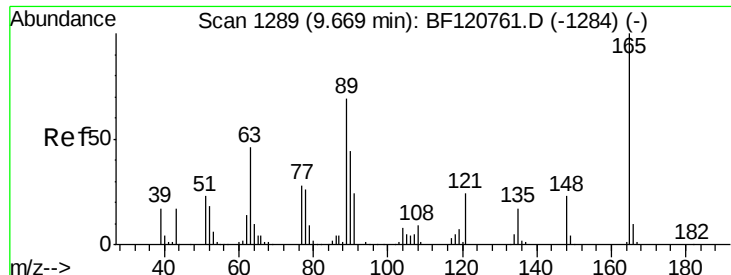
7/10/2020 11:47:34 AM



#50
Dimethylphthalate
Concen: 4.166 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.9	4.3
164	10.4	8.5	12.7





#51
2,6-Dinitrotoluene
Concen: 3.914 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

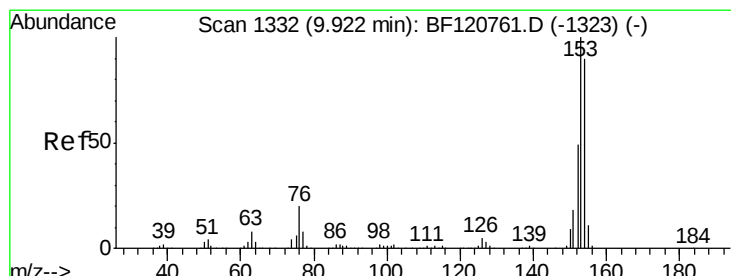
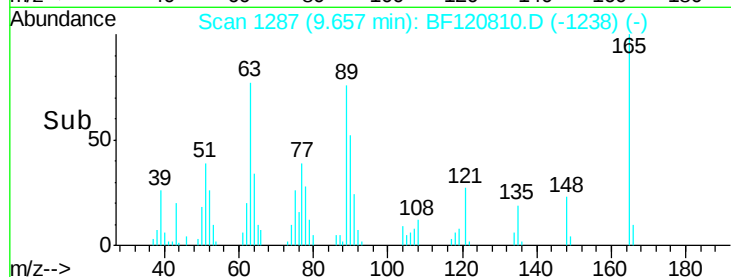
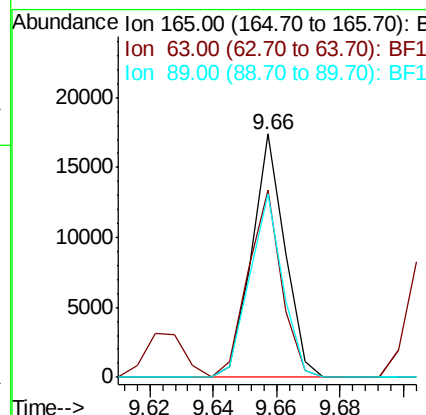
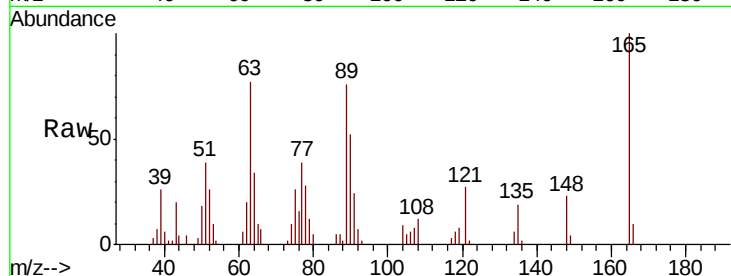
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	76.9	54.0	81.0	
89	75.6	55.4	83.2	

Manual Integrations
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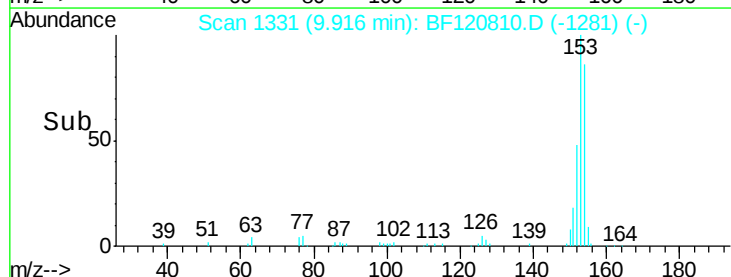
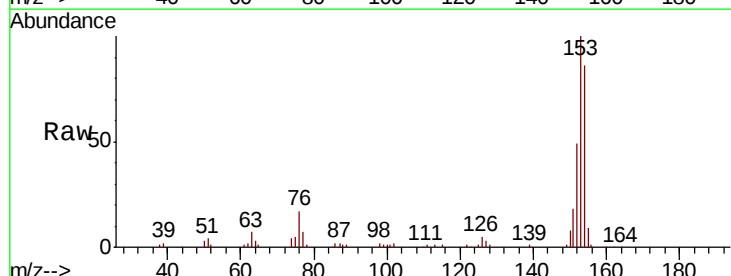
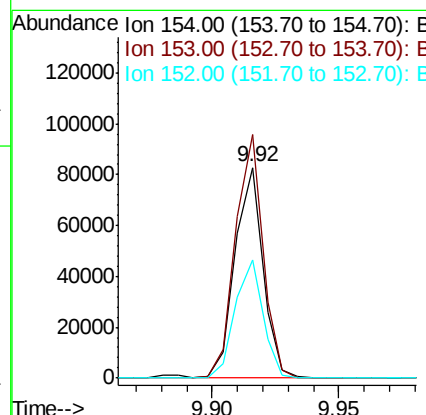
mohammad

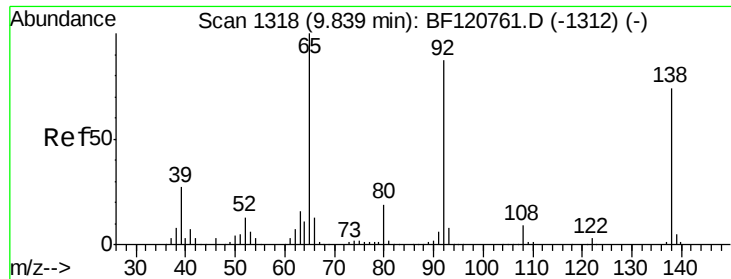
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#52
Acenaphthene
Concen: 4.157 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.6	88.6	132.8	
152	56.4	43.6	65.4	





#53
3-Nitroaniline
Concen: 3.715 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

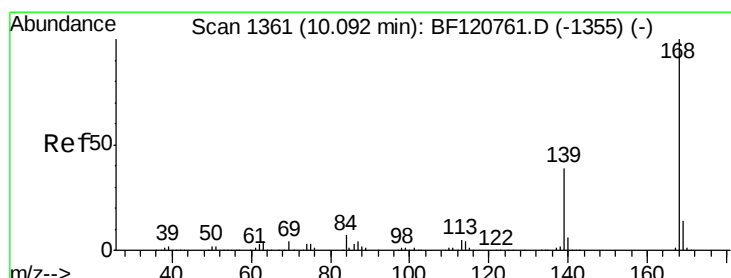
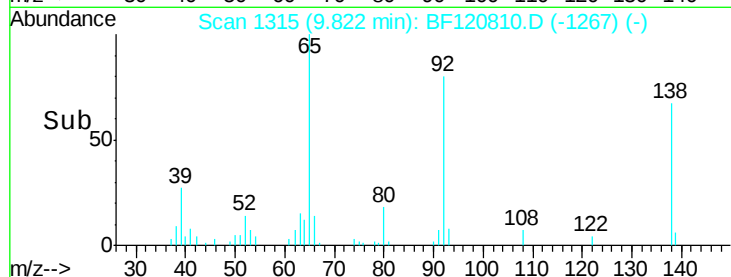
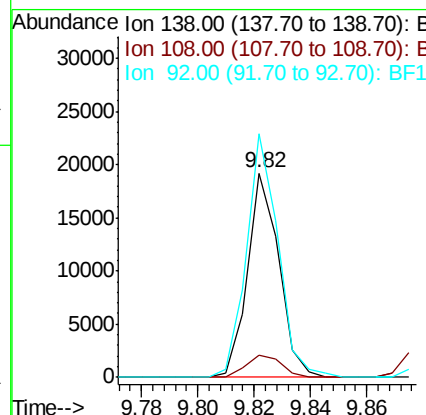
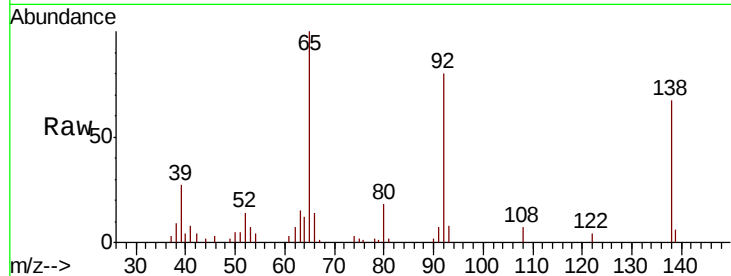
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.8	14.6
92	119.3	93.4	140.2

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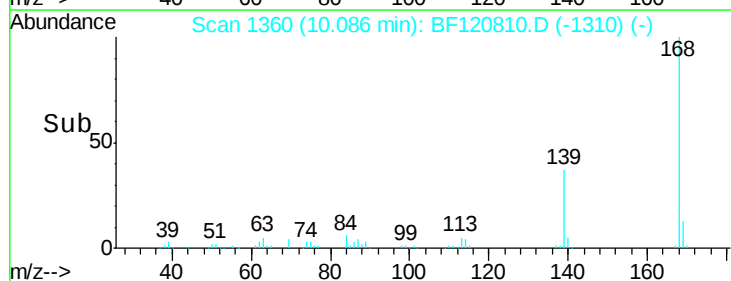
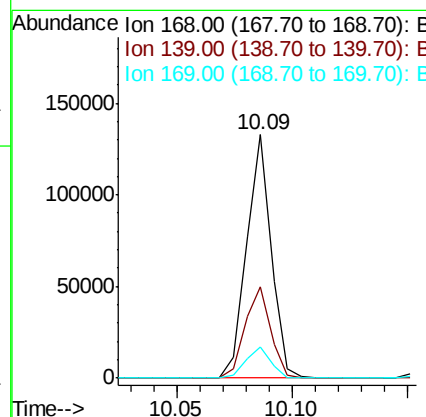
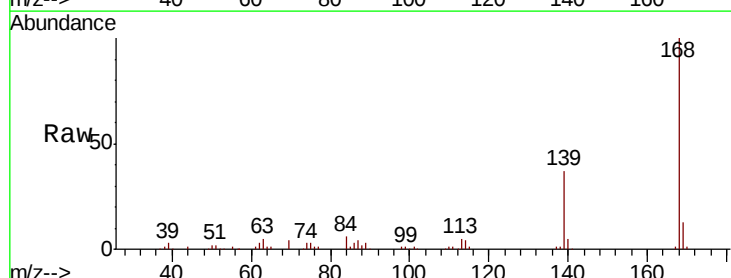
mohammad

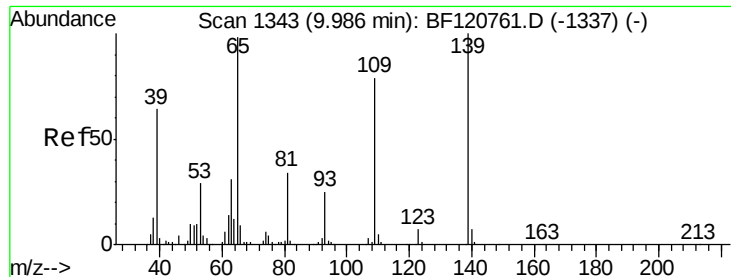
7/10/2020 11:47:34 AM



#55
Dibenzofuran
Concen: 4.461 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.3	46.9
169	12.6	11.2	16.8





#56
4-Nitrophenol
Concen: 2.859 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

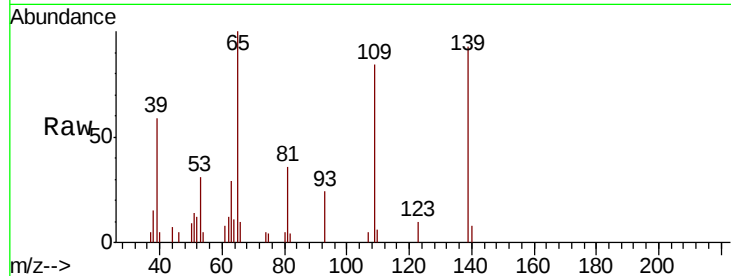
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
139	100		
109	90.4	58.6	98.6
65	107.4	78.7	118.7

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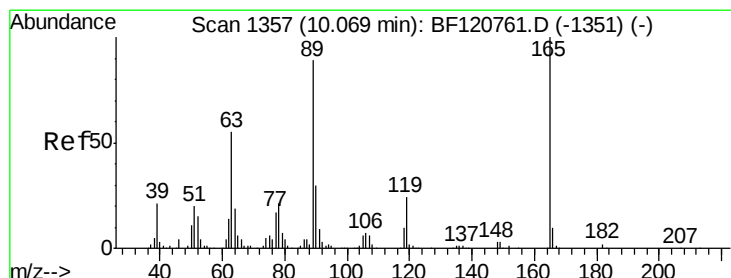
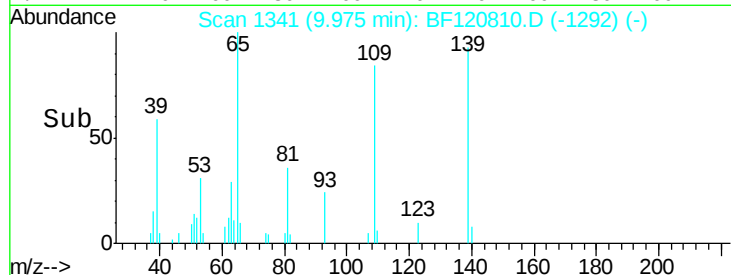
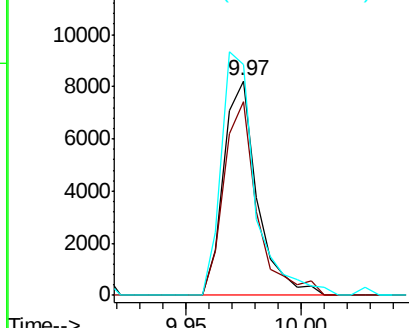


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 3.550 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	59.4	43.8	65.8
89	93.3	71.4	107.2
182	2.3	1.8	2.6

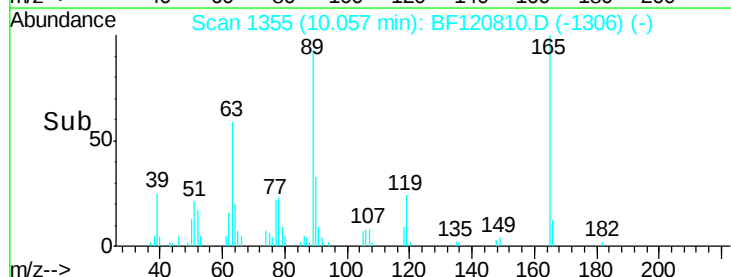
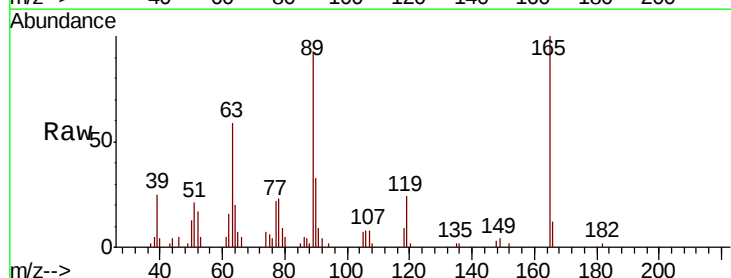
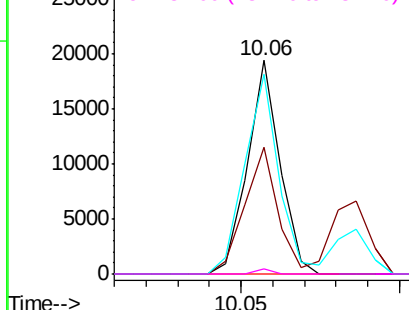
Abundance

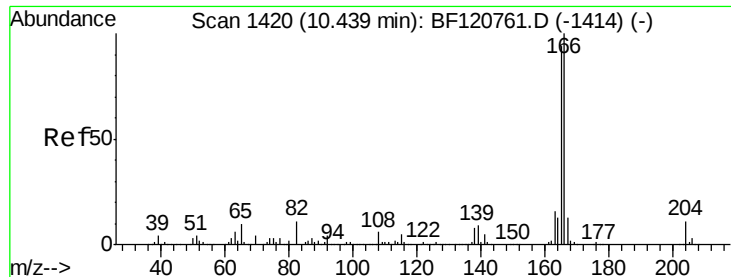
Ion 165.00 (164.70 to 165.70): E

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: 4.496 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

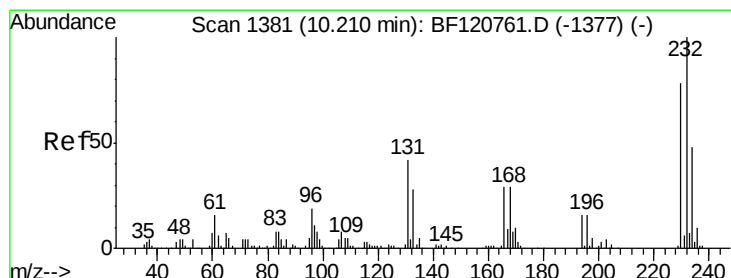
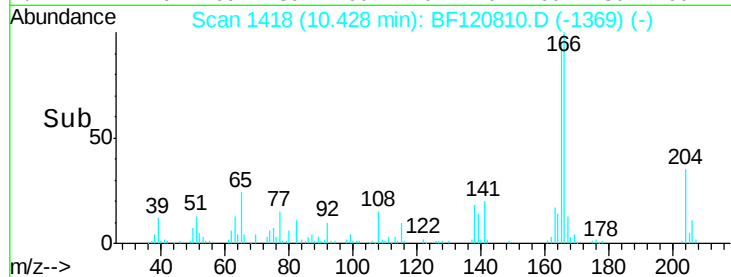
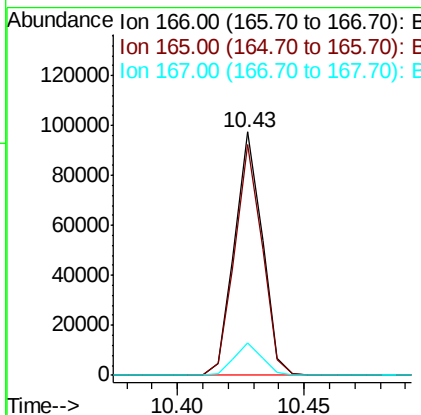
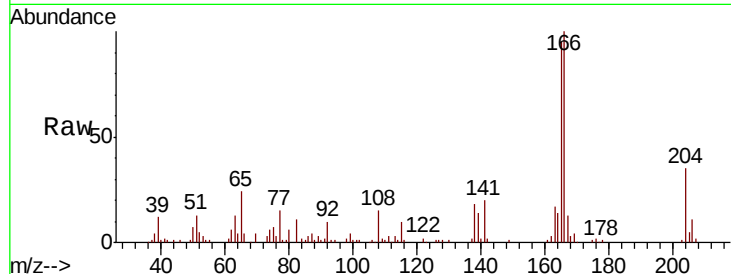
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.9	75.5	113.3
167	13.4	10.6	16.0

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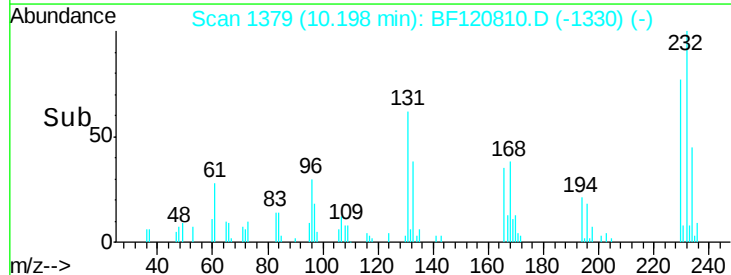
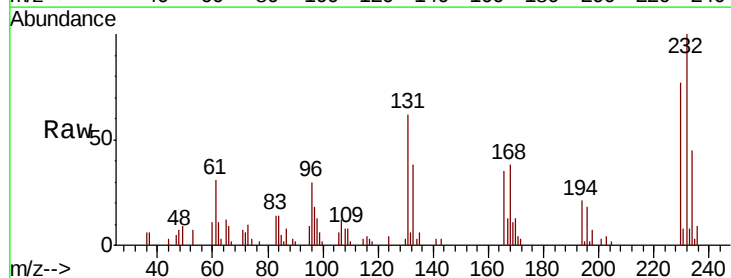
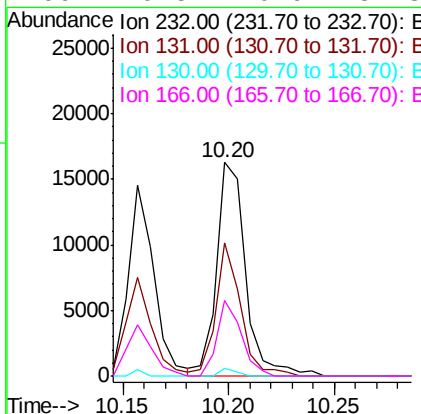
mohammad

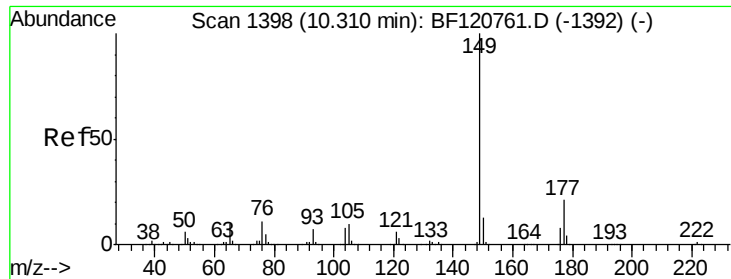
7/10/2020 11:47:34 AM



#59
2,3,4,6-Tetrachlorophenol
Concen: 3.749 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
232	100		
131	54.0	36.3	54.5
130	2.0	2.0	3.0
166	29.5	20.9	31.3





#60
Diethylphthalate
Concen: 3.909 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

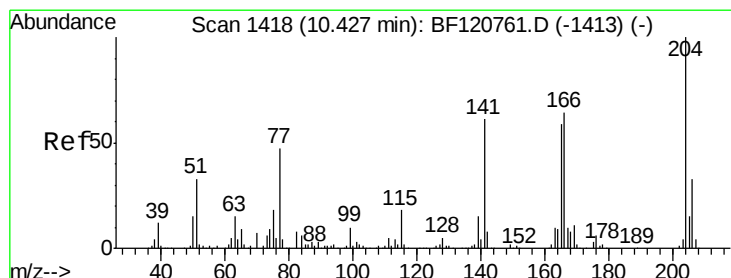
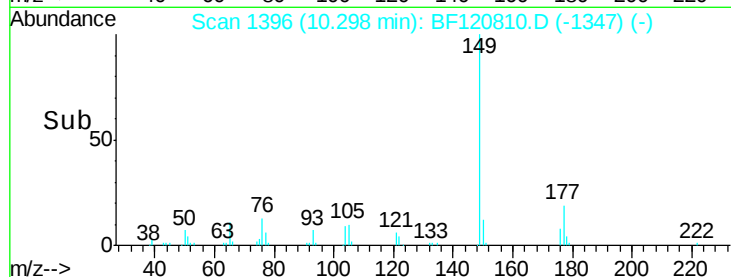
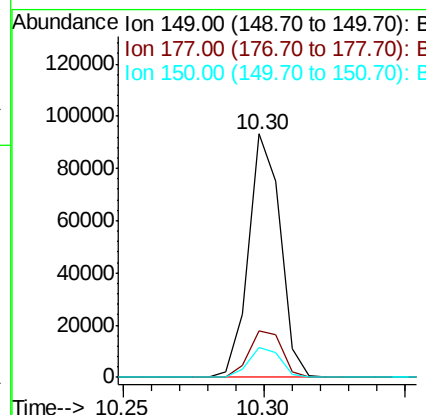
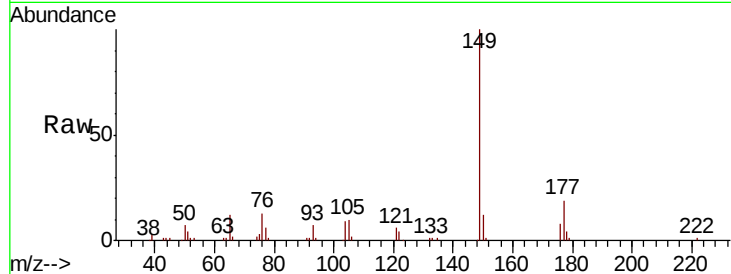
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.4	24.6
150	12.1	10.2	15.4

Manual Integrations
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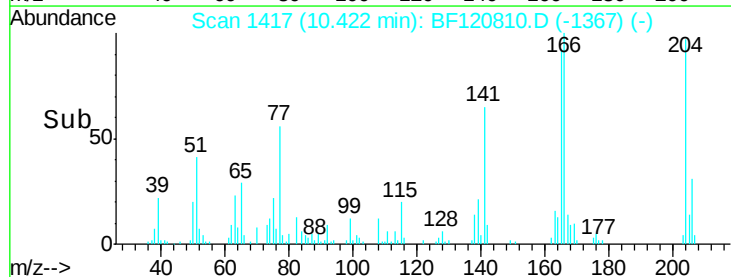
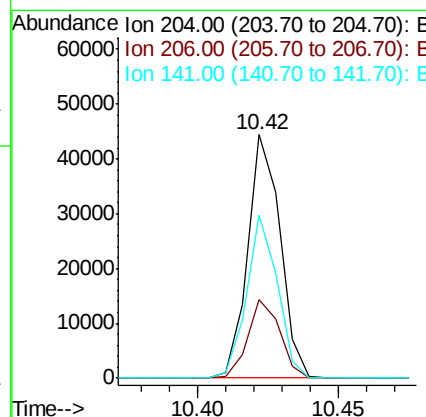
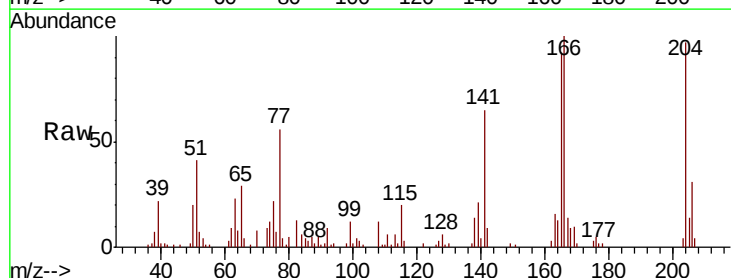
mohammad

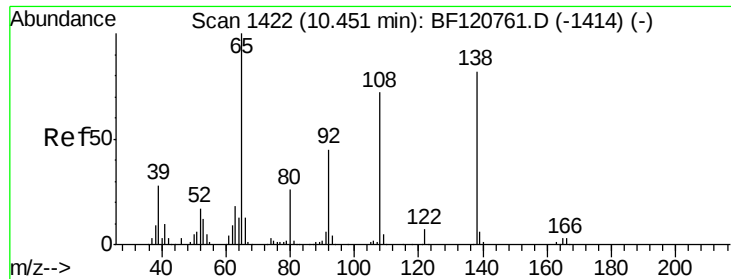
7/10/2020 11:47:34 AM



#61
4-Chlorophenyl-phenylether
Concen: 4.266 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.7	40.1
141	67.0	48.5	72.7





#62
4-Nitroaniline
Concen: 3.645 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

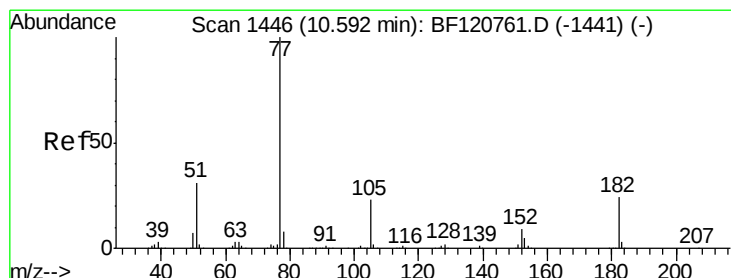
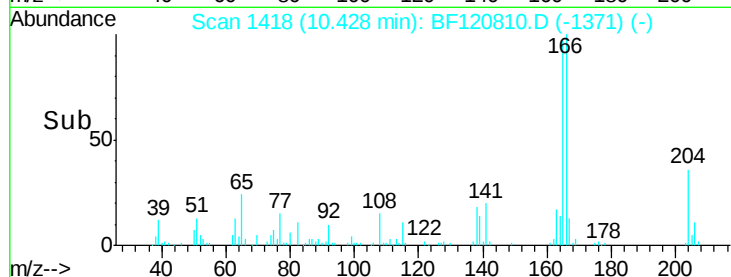
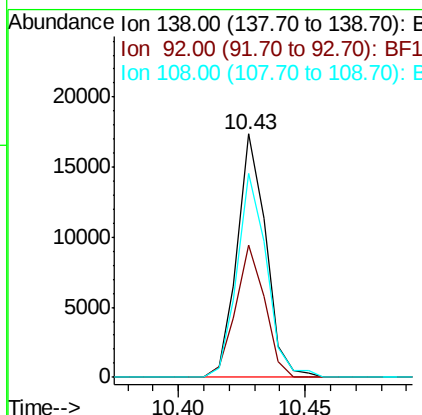
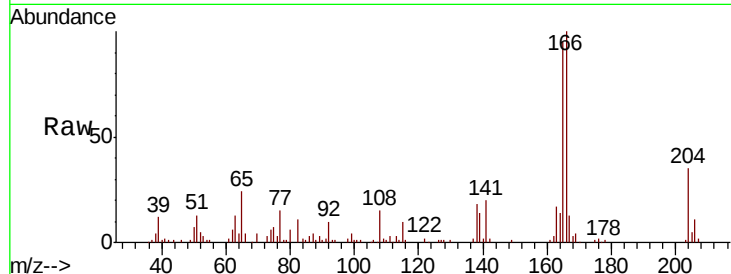
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.6	34.3	74.3
108	84.0	68.3	108.3

Manual Integrations
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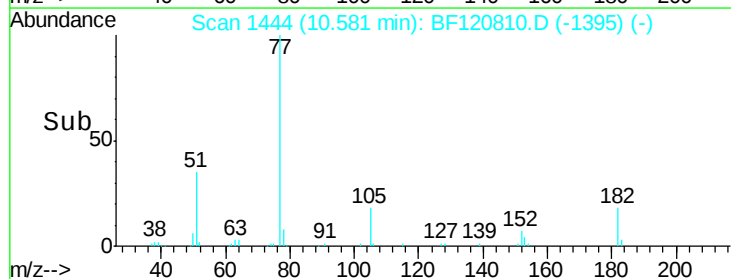
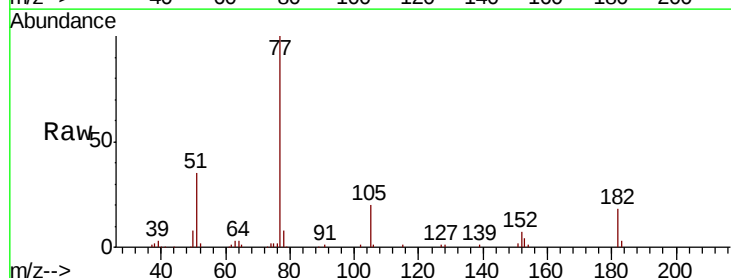
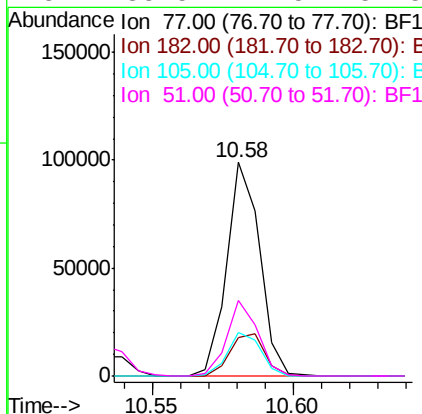
mohammad

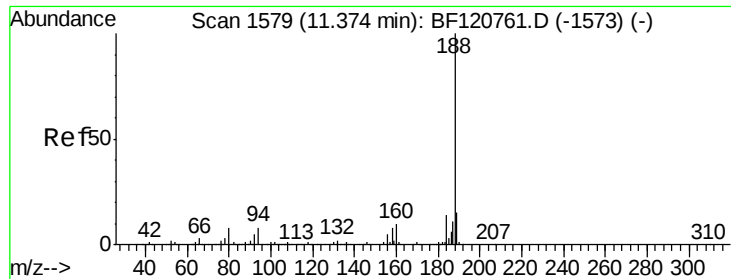
7/10/2020 11:47:34 AM



#63
Azobenzene
Concen: 4.206 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.1	4.0	44.0
105	20.2	2.6	42.6
51	35.5	11.5	51.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

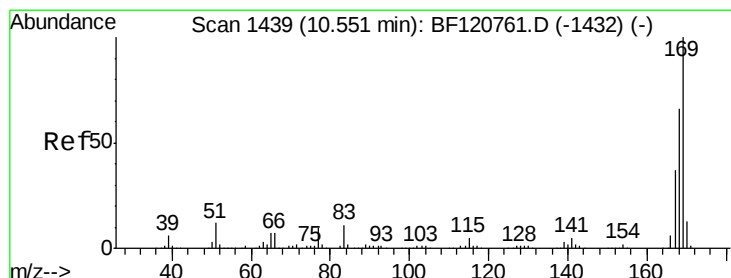
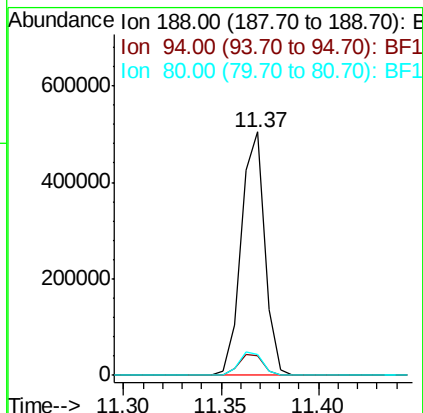
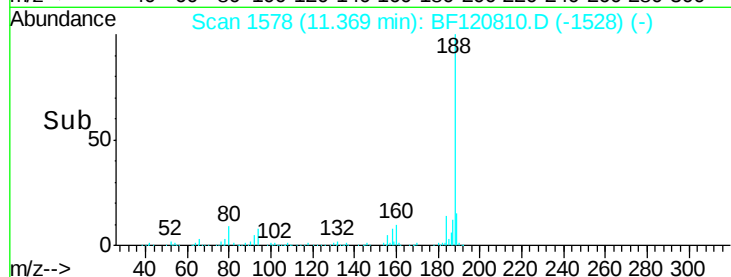
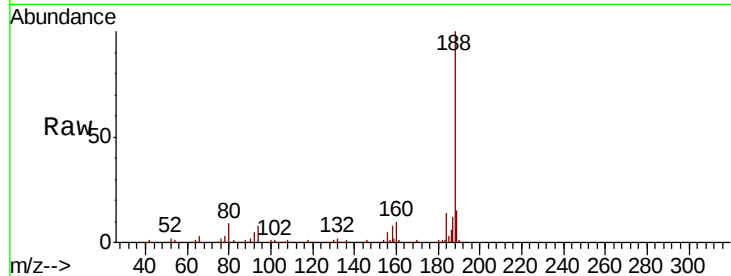
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:188	Resp: 423327
Ion Ratio Lower Upper	
188 100	
94 8.3 6.6 9.8	
80 8.5 6.6 10.0	

Manual Integrations
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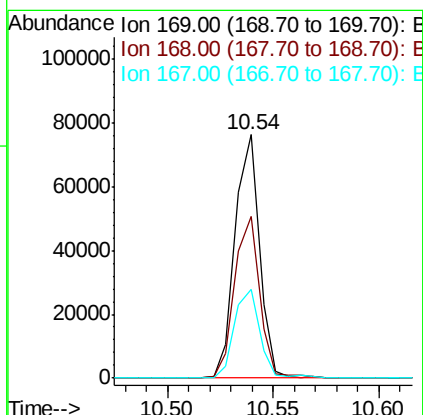
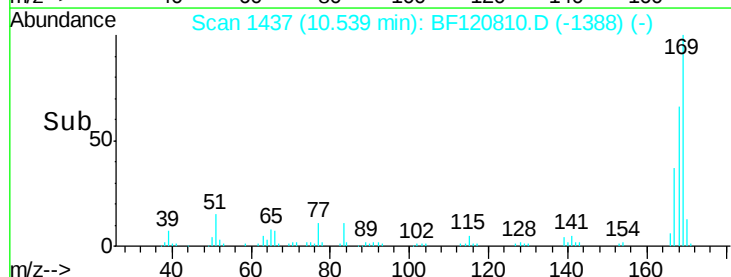
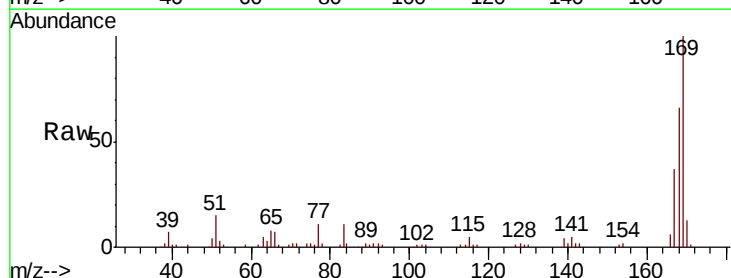
mohammad

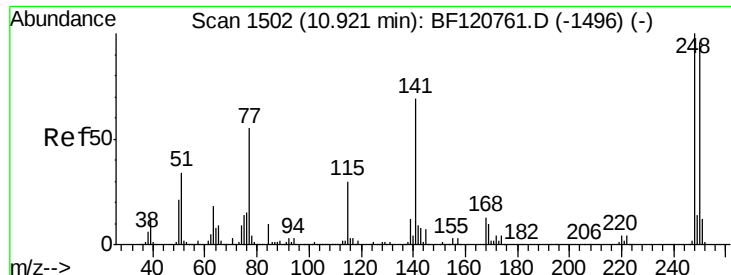
7/10/2020 11:47:34 AM



#66
n-Nitrosodiphenylamine
Concen: 4.291 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:169	Resp: 60886
Ion Ratio Lower Upper	
169 100	
168 66.3 53.1 79.7	
167 36.5 29.6 44.4	





#67
 4-Bromophenyl-phenylether
 Concen: 3.818 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

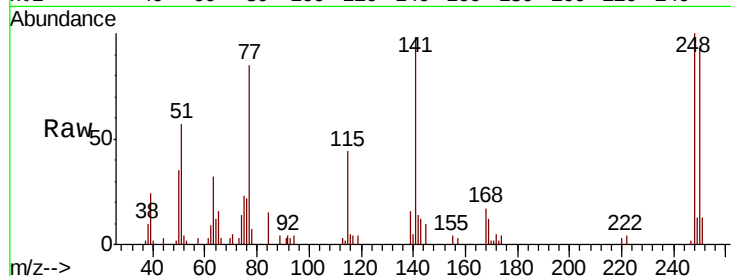
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.5	114.7
141	98.5	54.9	82.3

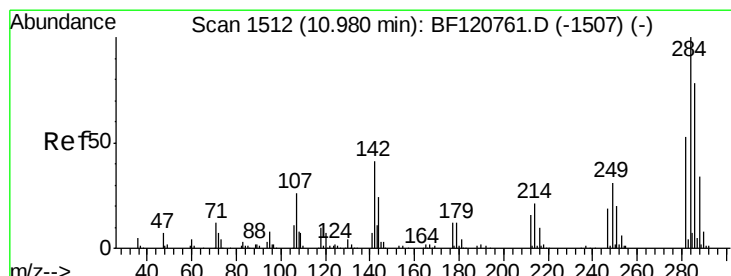
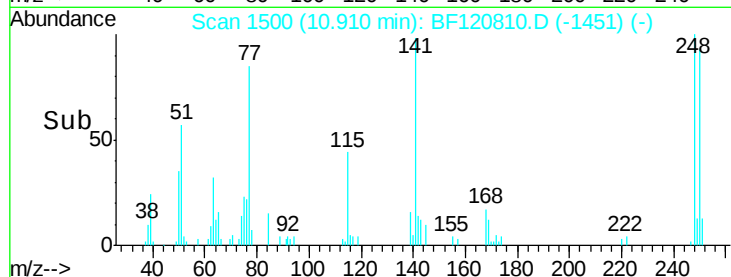
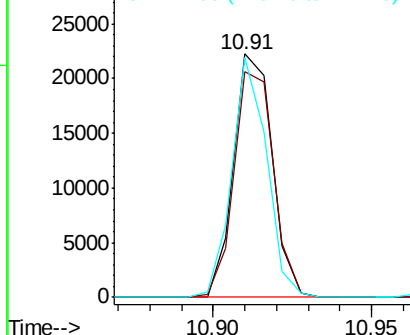
Manual Integrations
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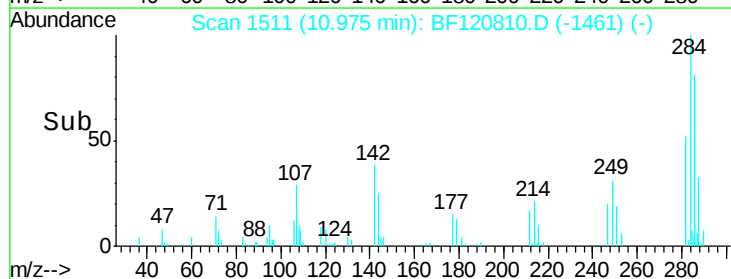
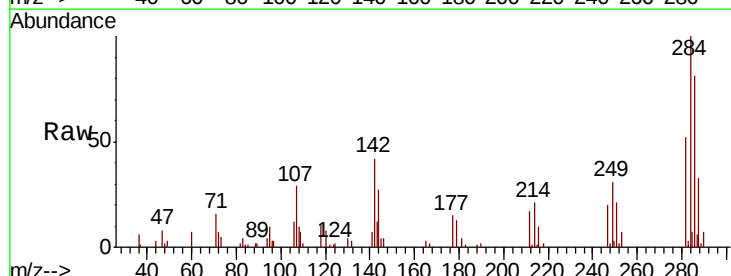
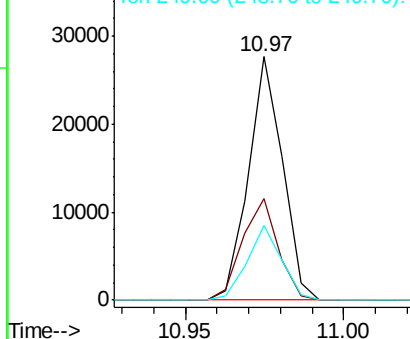
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

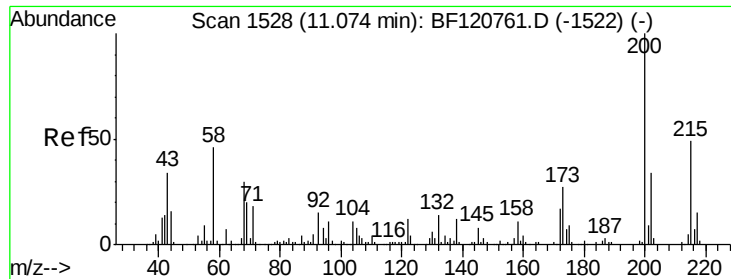


#68
 Hexachlorobenzene
 Concen: 3.987 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.7	32.5	48.7
249	34.1	24.8	37.2

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





#69
Atrazine
Concen: 4.302 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

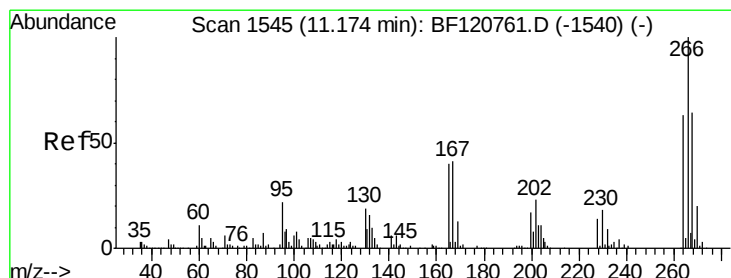
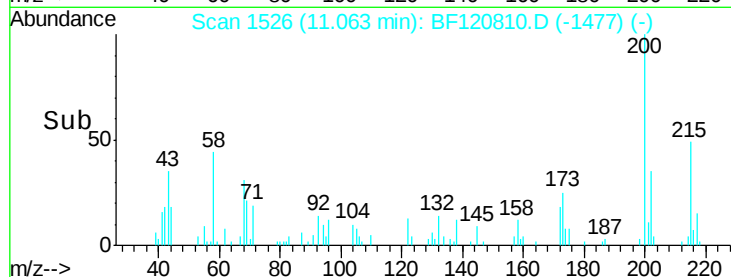
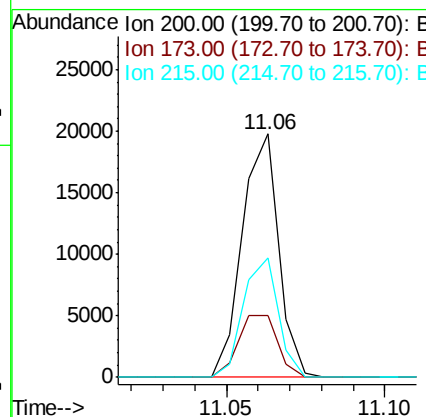
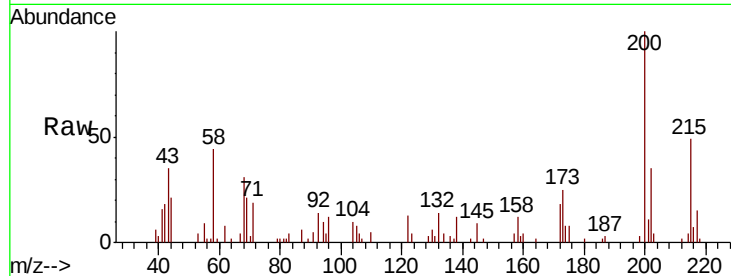
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.4	47.4
215	49.1	28.8	68.8

Manual Integrations
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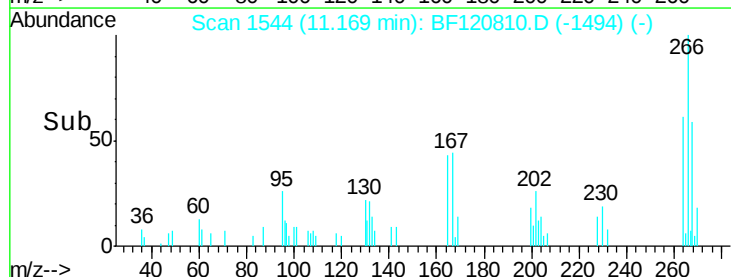
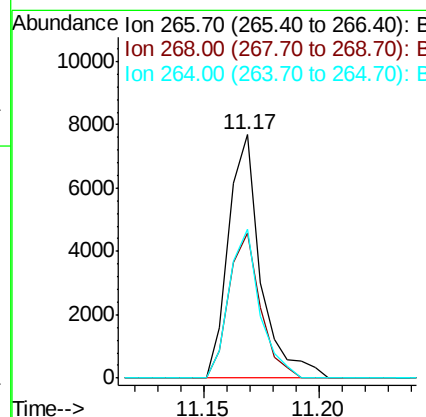
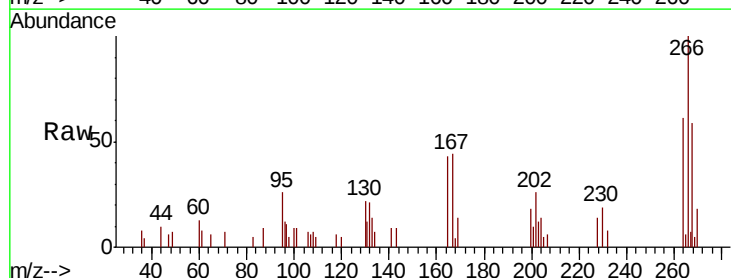
mohammad

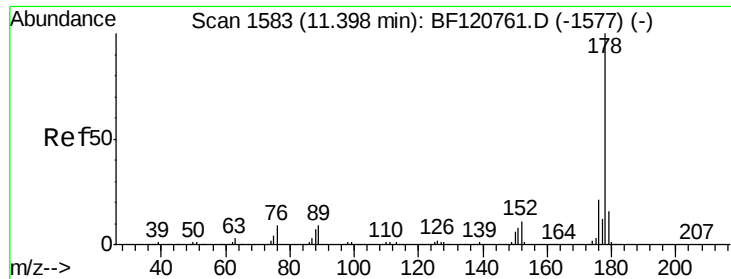
7/10/2020 11:47:34 AM



#70
Pentachlorophenol
Concen: 2.559 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.4	77.2
264	66.8	50.6	75.8





#71
Phenanthrene
Concen: 4.476 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

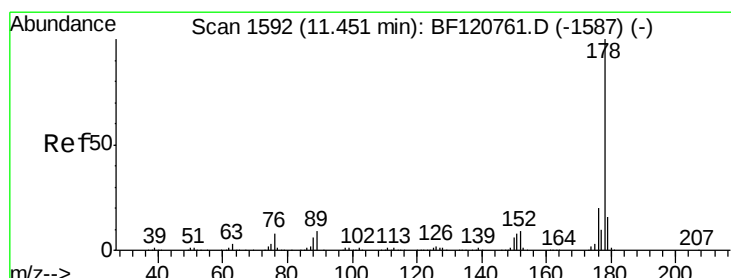
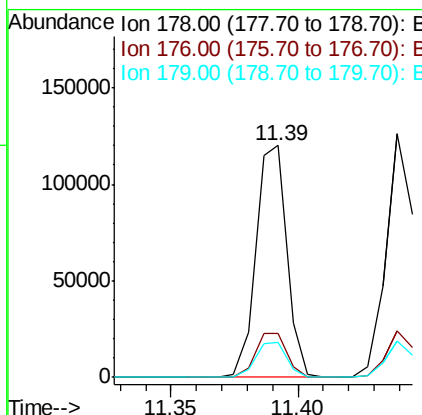
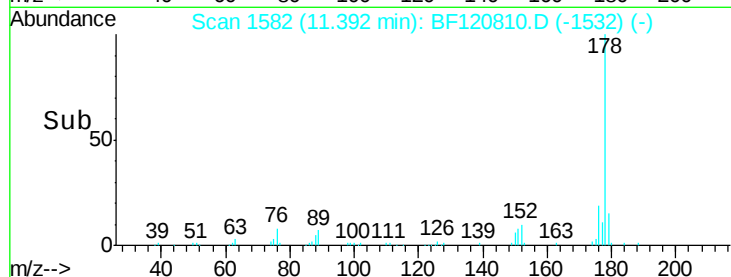
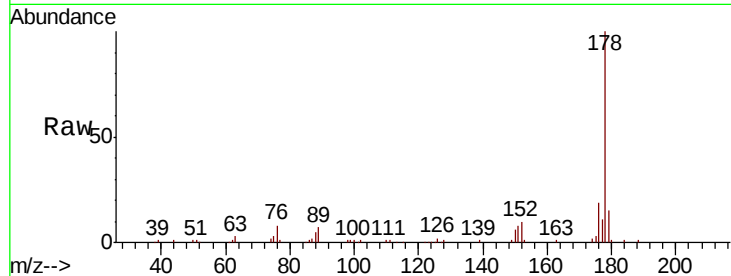
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.2	12.9	19.3

Manual Integrations
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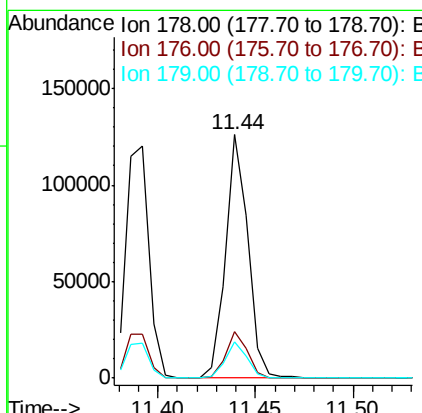
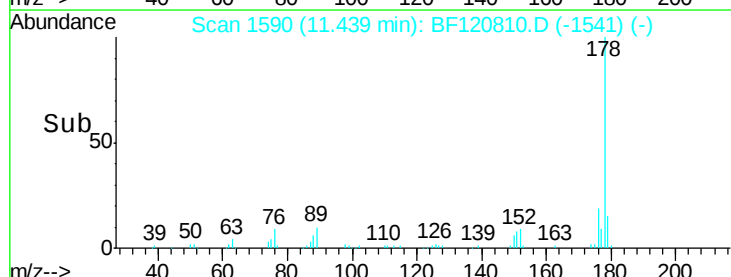
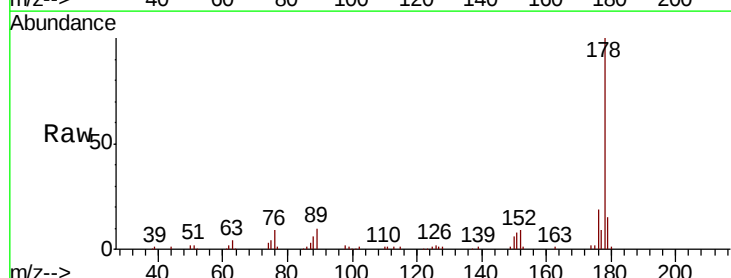
mohammad

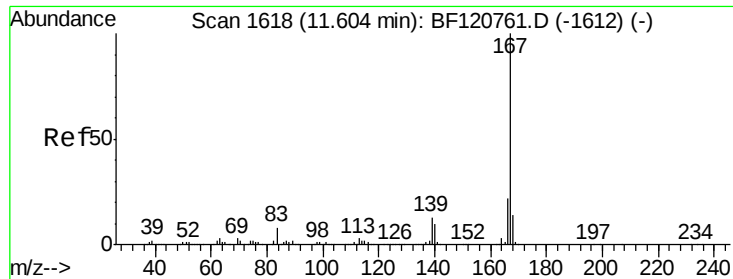
7/10/2020 11:47:34 AM



#72
Anthracene
Concen: 4.308 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	14.9	12.7	19.1





#73
 Carbazole
 Concen: 4.042 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

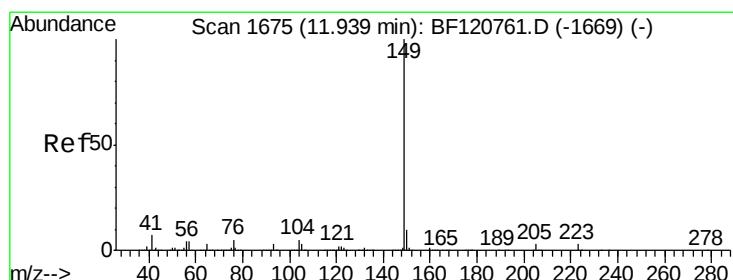
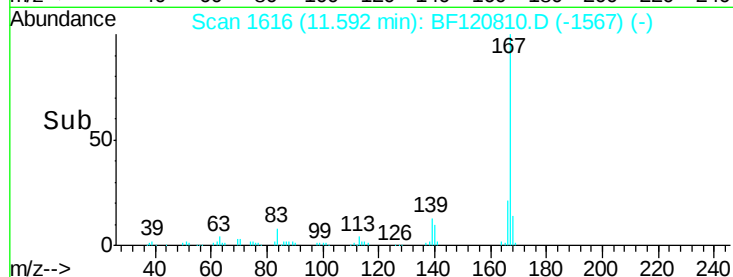
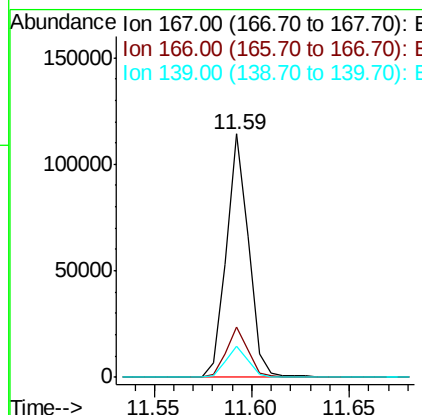
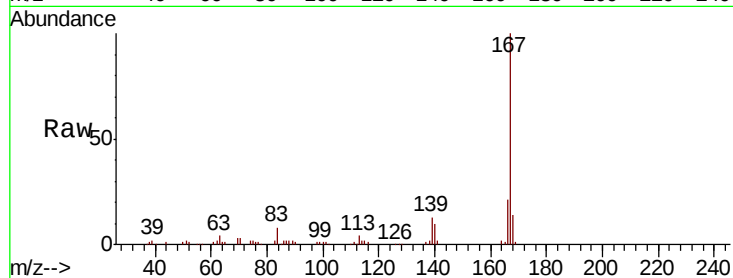
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:	167	Resp:	90161
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.8	26.8
139	13.0	10.7	16.1

Manual Integrations
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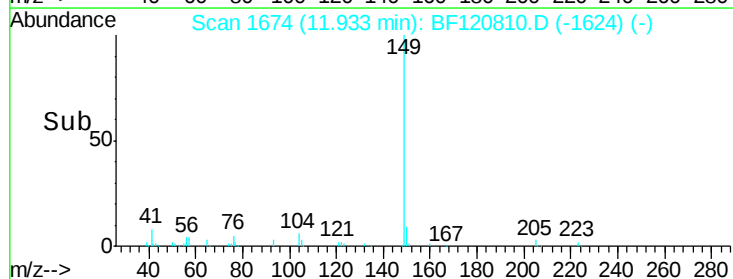
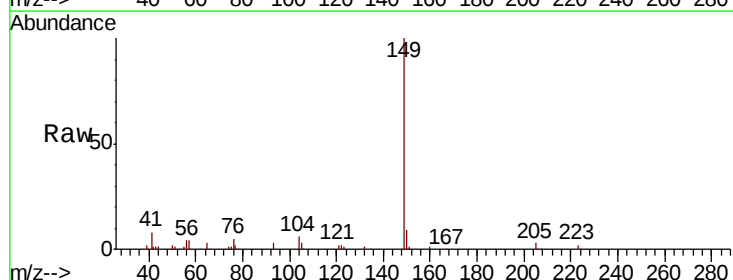
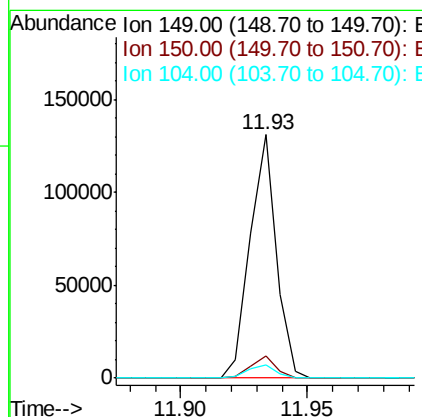
mohammad

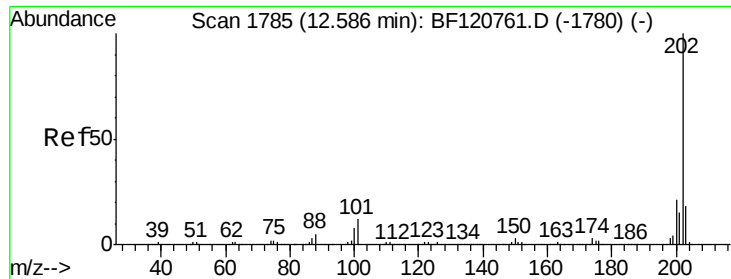
7/10/2020 11:47:34 AM



#74
 Di-n-butylphthalate
 Concen: 3.439 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:	149	Resp:	94958
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.7	11.5
104	5.6	4.0	6.0





#75
Fluoranthene
Concen: 3.953 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

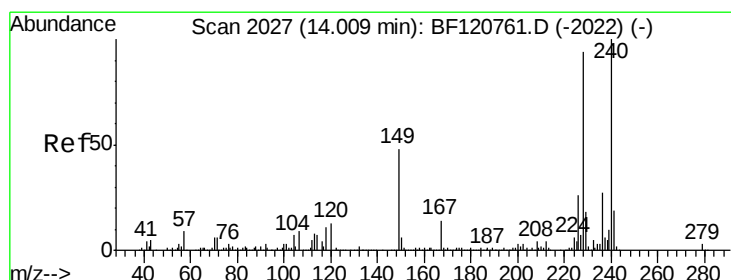
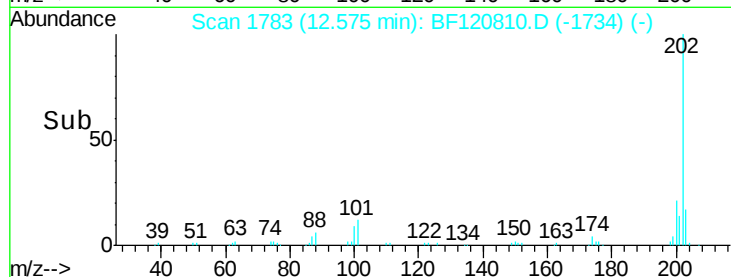
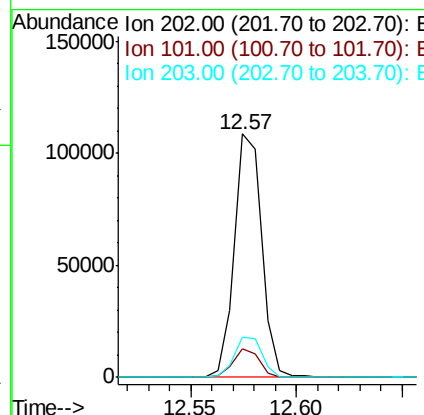
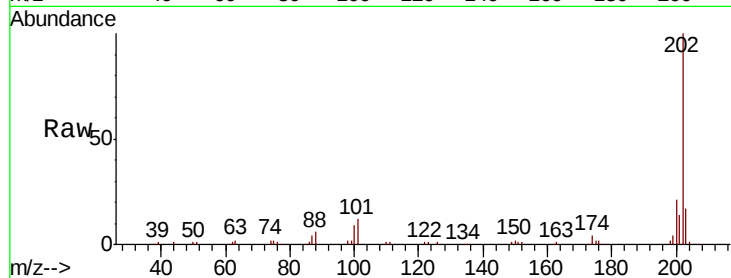
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	202	Resp:	96714
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	31.6
203	16.7	0.0	38.2

Manual Integrations
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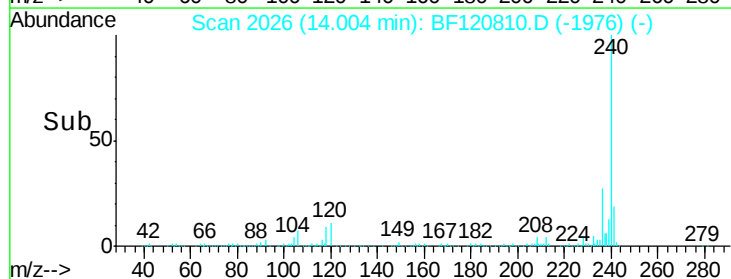
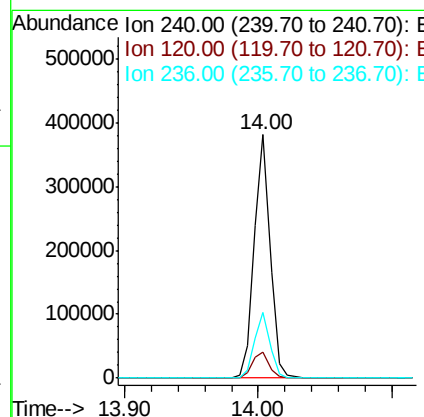
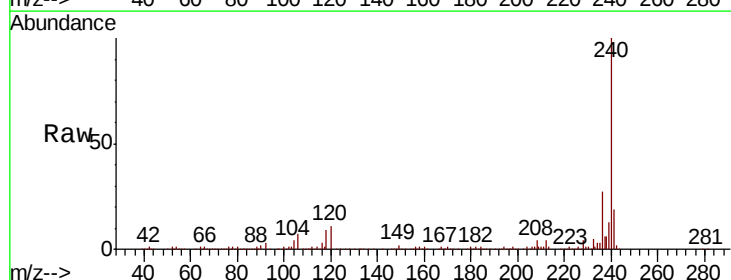
mohammad

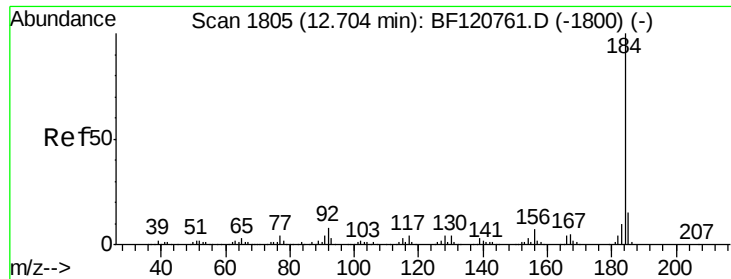
7/10/2020 11:47:34 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	240	Resp:	309741
Ion Ratio	Lower	Upper	
240	100		
120	10.6	10.3	15.5
236	26.8	21.4	32.2





#77

Benzidine

Concen: 3.514 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

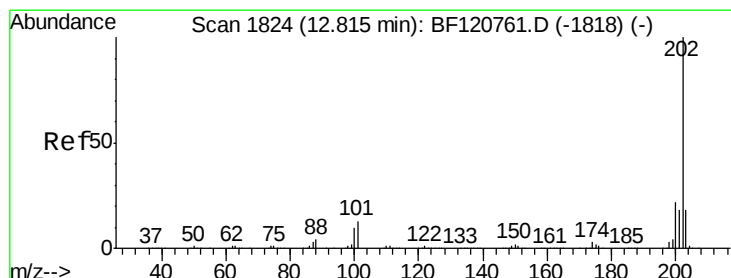
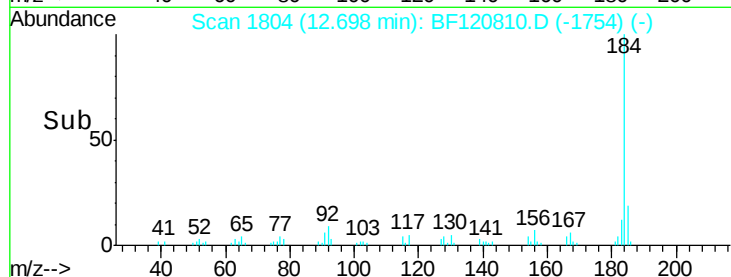
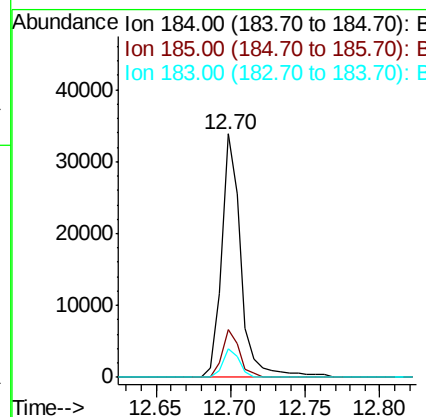
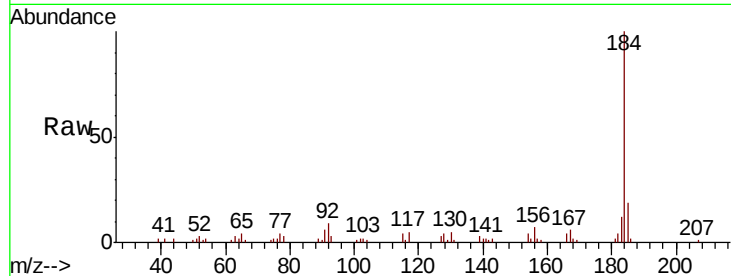
LOQ-SOIL-02-QT3-2020

Tot Ion:	184	Resp:	30724
Ion Ratio	Lower	Upper	
184	100		
185	19.5	11.8	17.8#
183	11.8	8.3	12.5

Manual Integrations
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#78

Pyrene

Concen: 4.079 ng

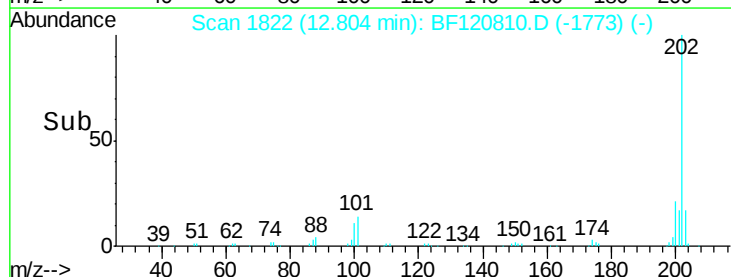
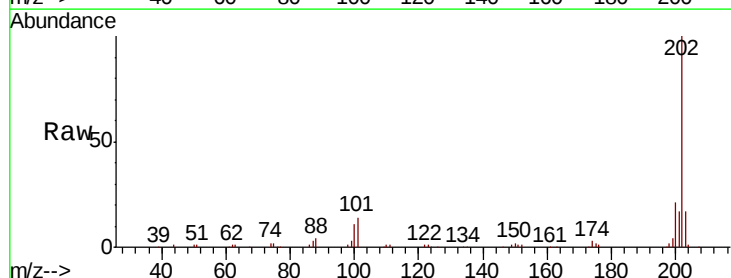
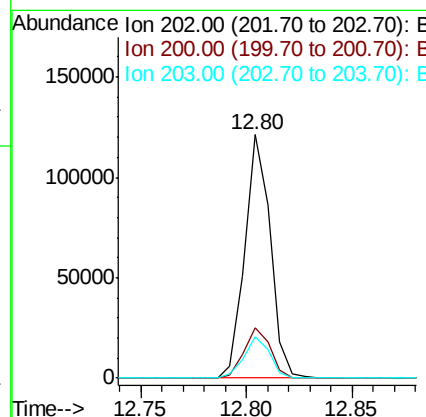
RT: 12.80 min Scan# 1822

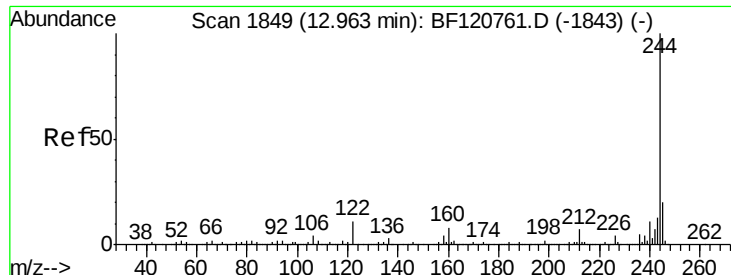
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	202	Resp:	100917
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.3	25.9
203	17.0	14.6	22.0





#79

Terphenyl-d14

Concen: 62.656 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

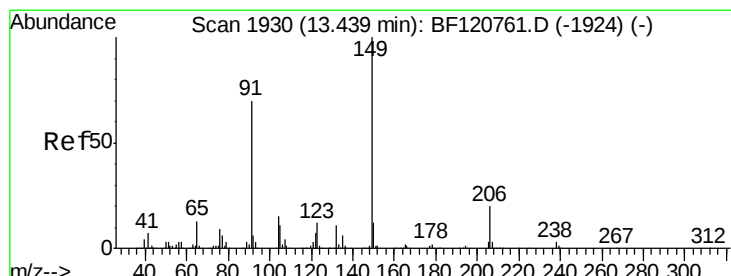
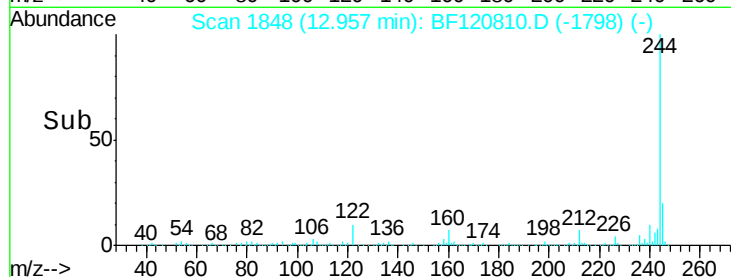
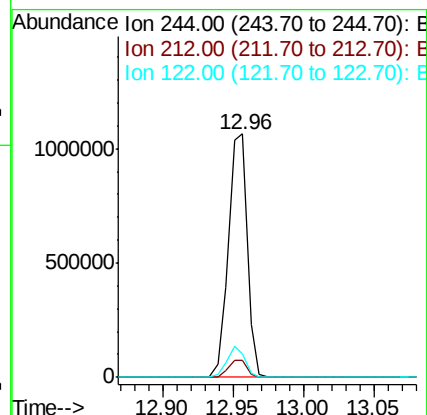
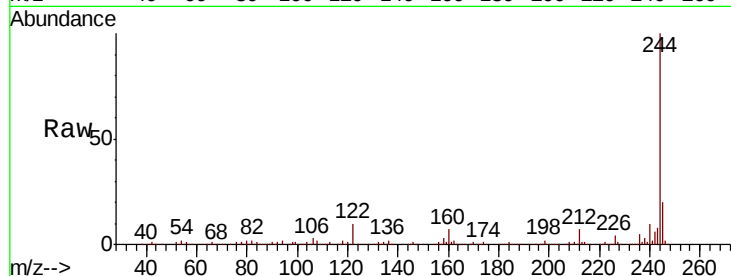
LOQ-SOIL-02-QT3-2020

Tot Ion:	244	Resp:	991226
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.8	9.0	13.4

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#80

Butylbenzylphthalate

Concen: 2.702 ng

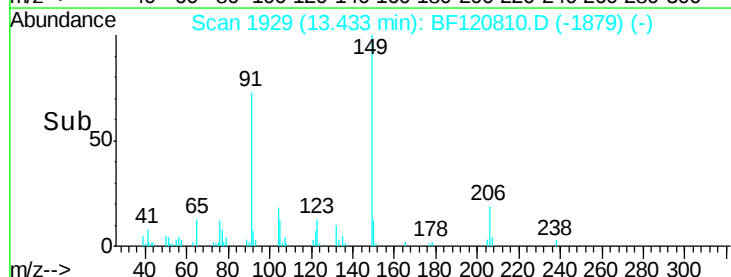
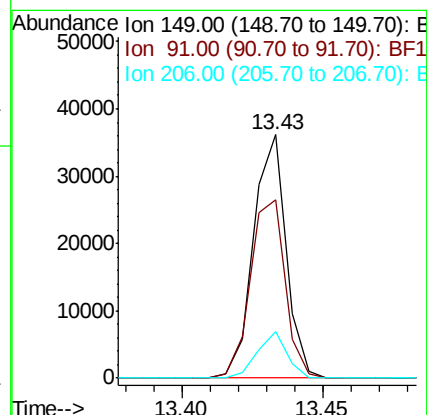
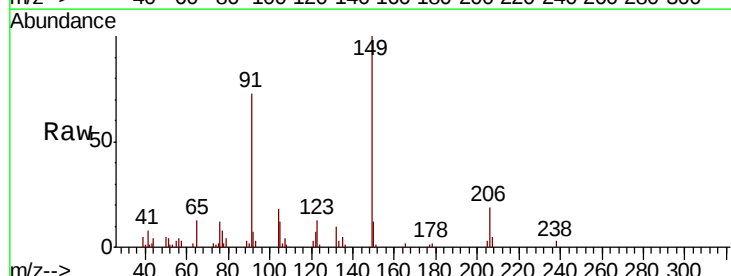
RT: 13.43 min Scan# 1929

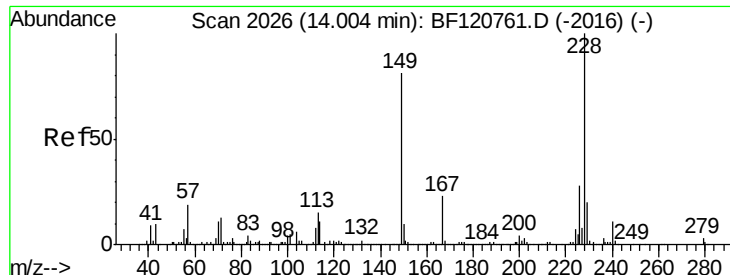
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	149	Resp:	28857
Ion Ratio		Lower	Upper
149	100		
91	73.1	55.8	83.8
206	19.1	15.7	23.5





#81

Benzo(a)anthracene

Concen: 4.281 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

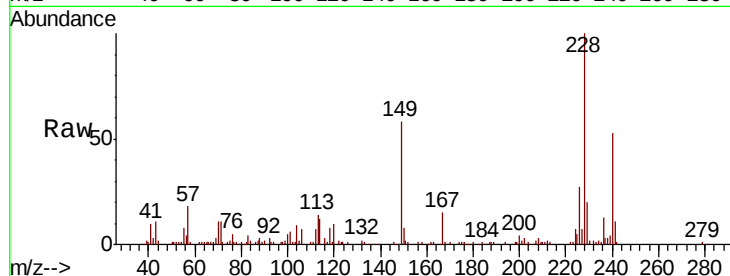
LOQ-SOIL-02-QT3-2020

Tot Ion:	228	Resp:	84998
Ion Ratio		Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.2	15.8	23.6

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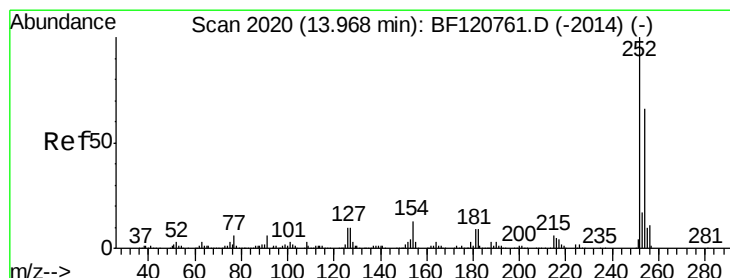
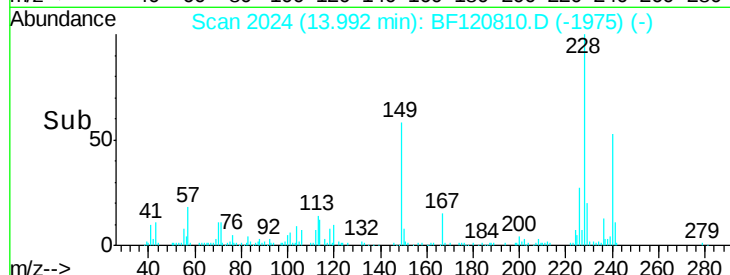
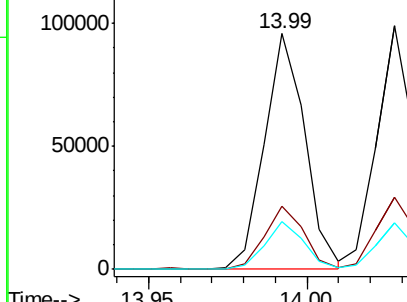


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 3.277 ng

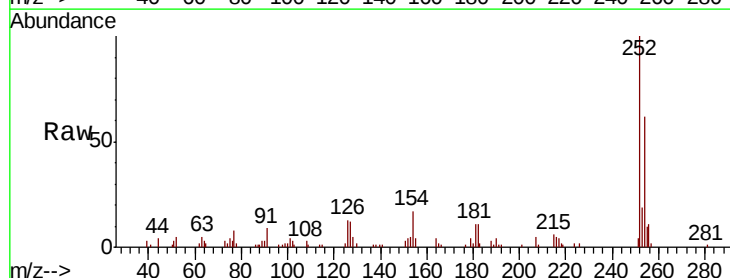
RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	252	Resp:	21955
Ion Ratio		Lower	Upper
252	100		
254	62.1	52.6	78.8
126	13.4	7.8	11.8#

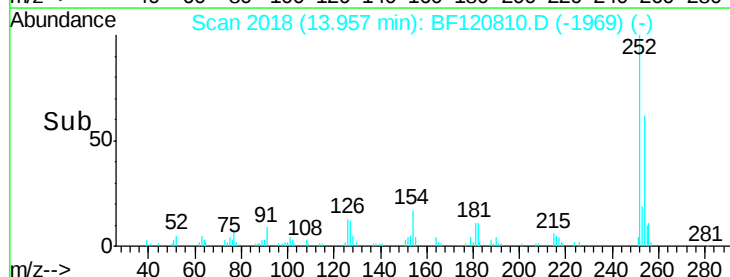
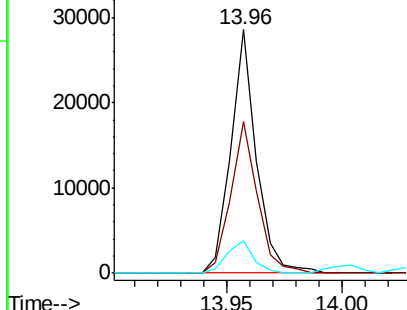


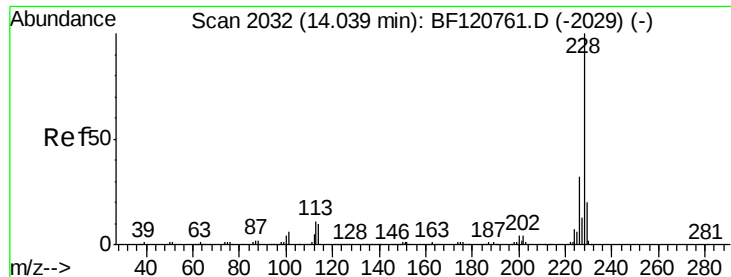
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83
Chrysene
Concen: 4.019 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

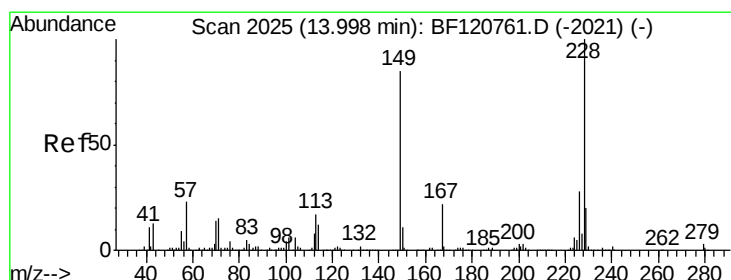
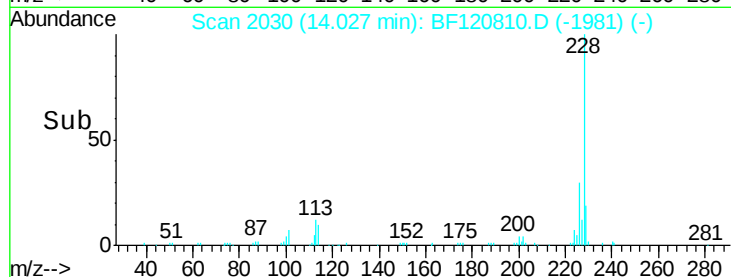
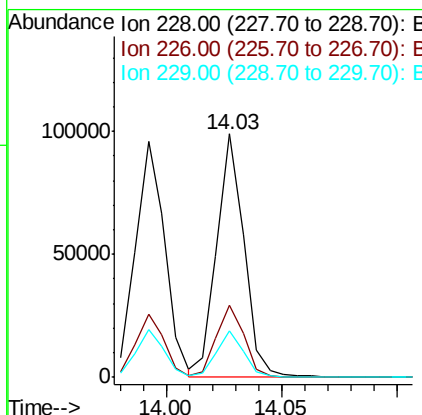
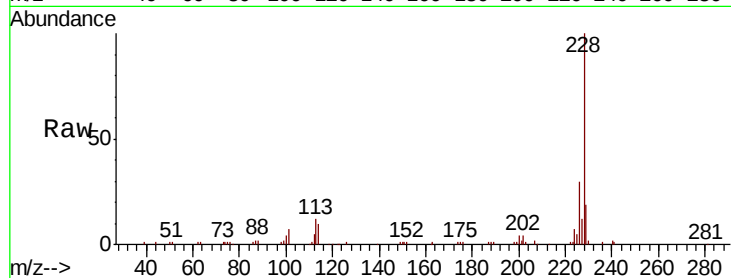
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.7	38.5
229	19.2	16.3	24.5

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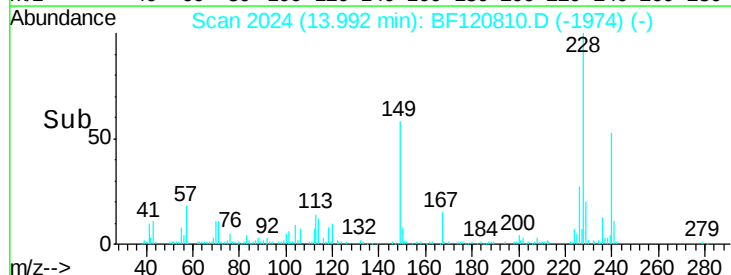
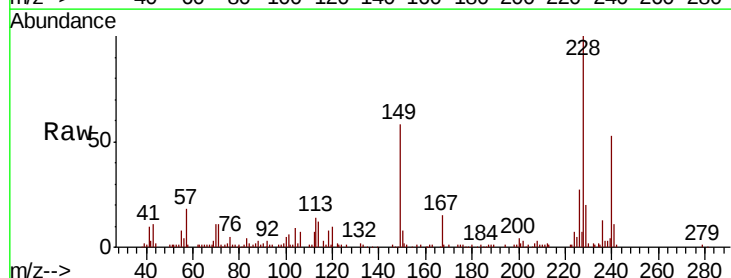
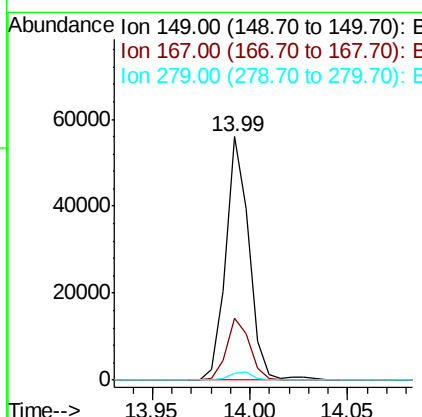
mohammad

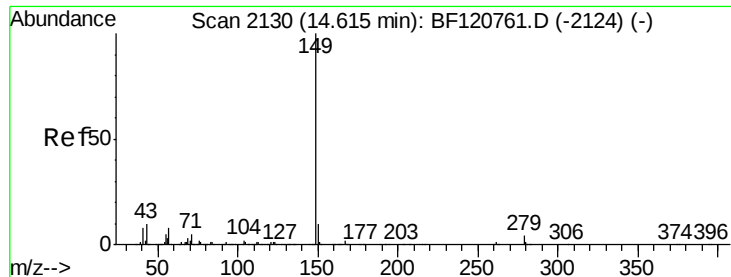
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.296 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.9	31.3
279	2.6	2.6	4.0#





#85

Di-n-octyl phthalate

Concen: 2.219 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

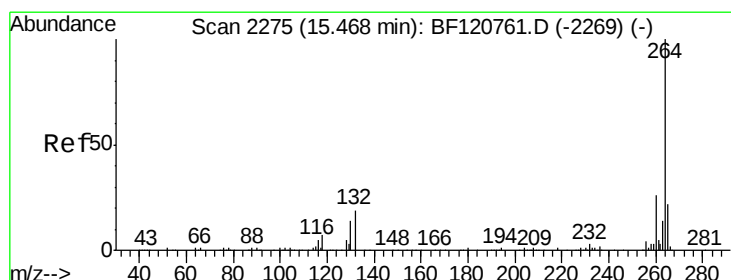
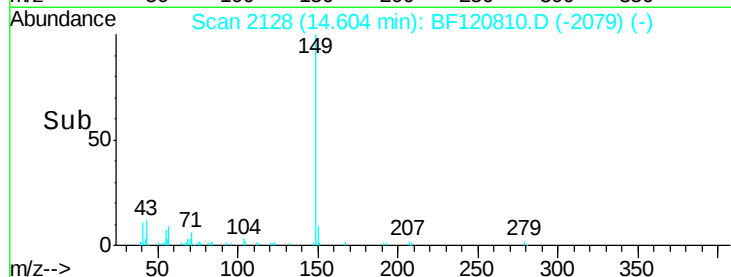
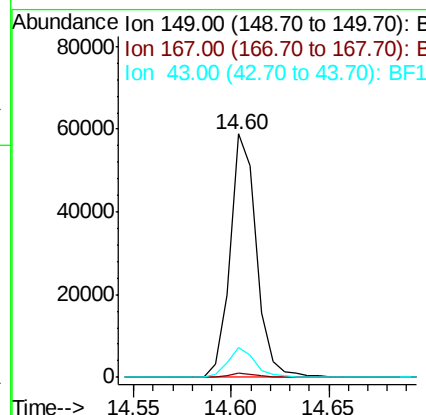
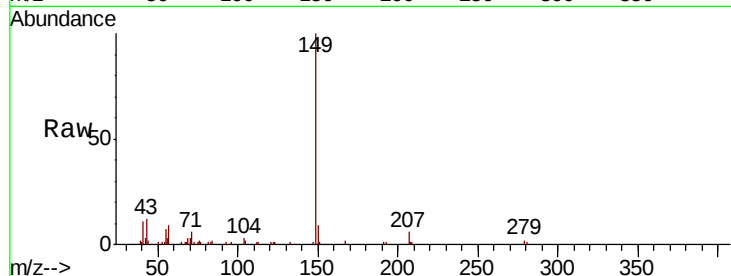
LOQ-SOIL-02-QT3-2020

Tot Ion:	149	Resp:	54968
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	12.4	8.7	13.1

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#86

Perylene-d12

Concen: 20.000 ng

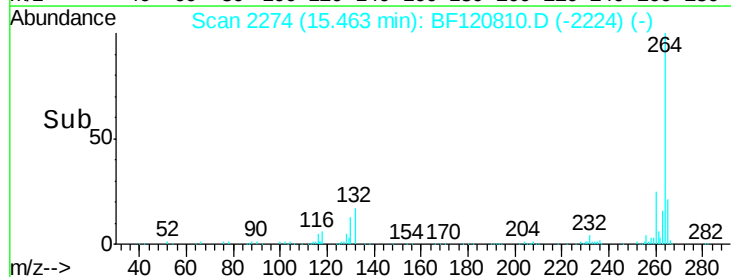
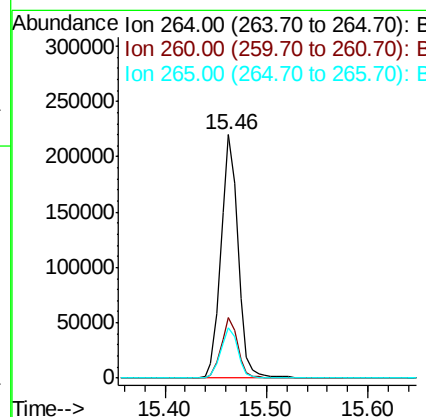
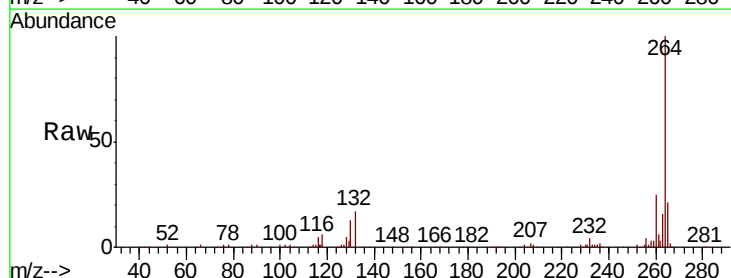
RT: 15.46 min Scan# 2274

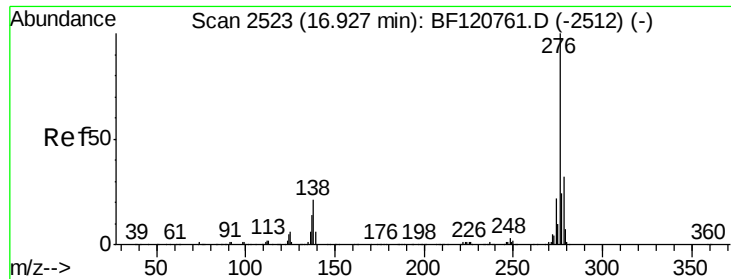
Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion:	264	Resp:	258694
Ion Ratio	Lower	Upper	
264	100		
260	24.7	20.6	30.8
265	20.8	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.511 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

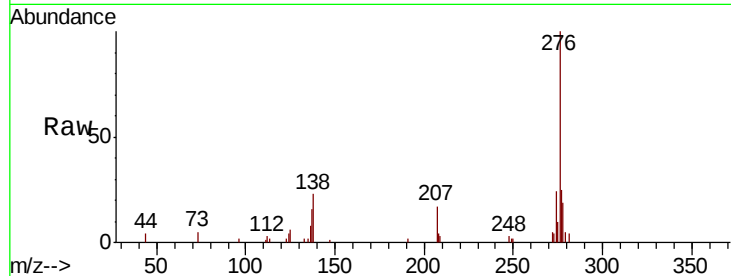
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	19.8	29.8
277	24.2	19.9	29.9

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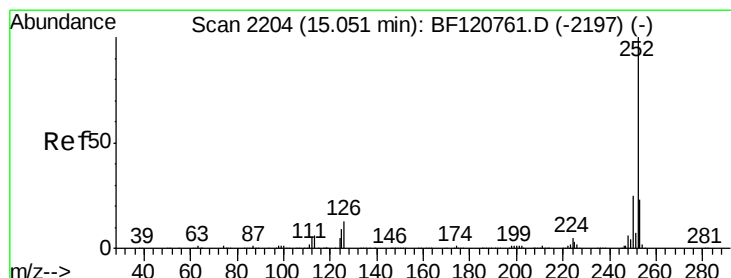
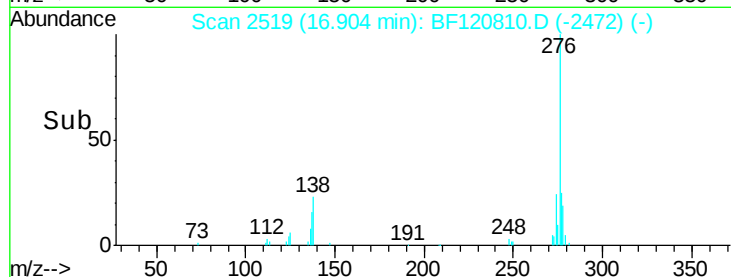
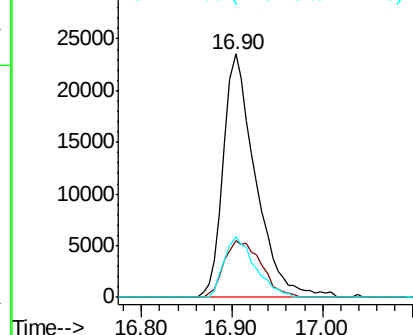


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
Benzo(b)fluoranthene
Concen: 3.758 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

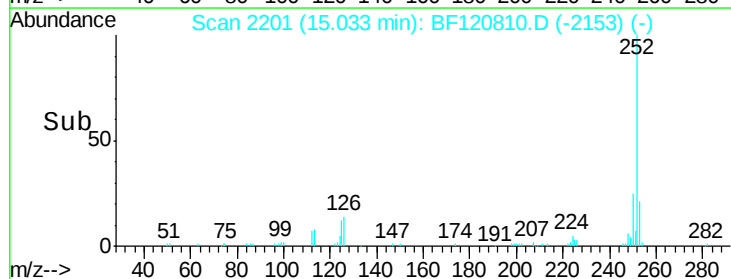
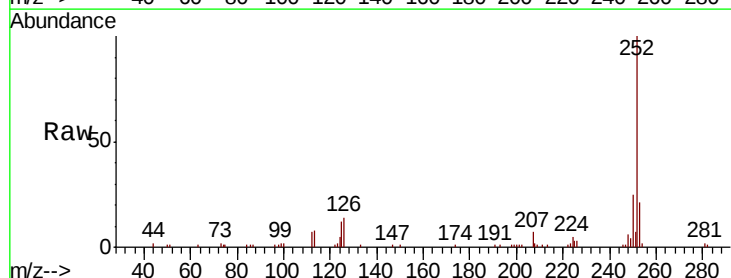
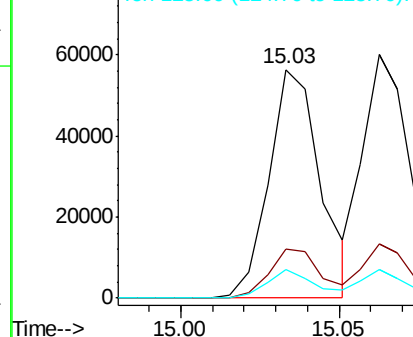
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	12.4	7.5	11.3

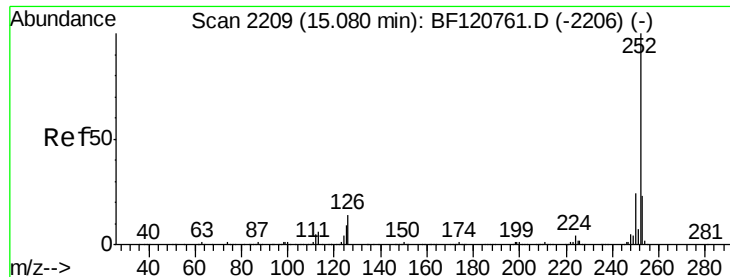
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
Benzo(k)fluoranthene
Concen: 3.874 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

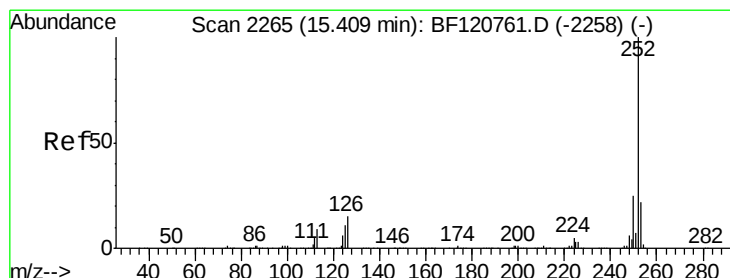
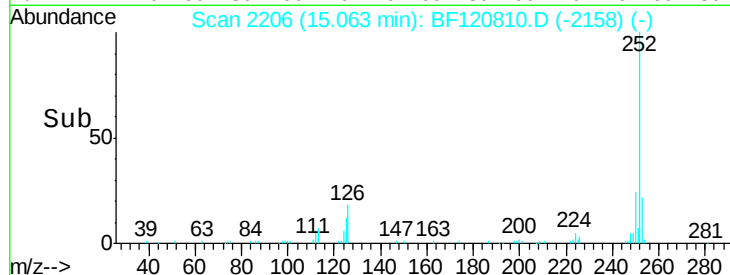
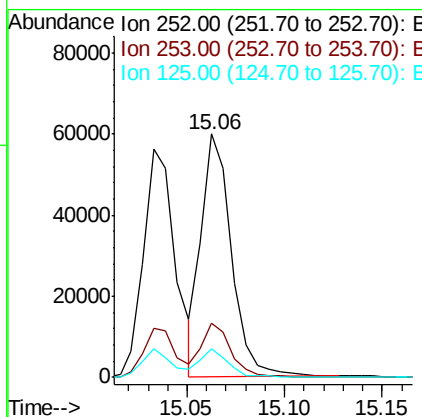
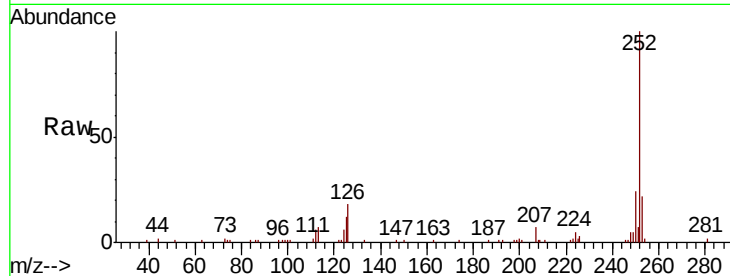
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.9	7.6	11.4

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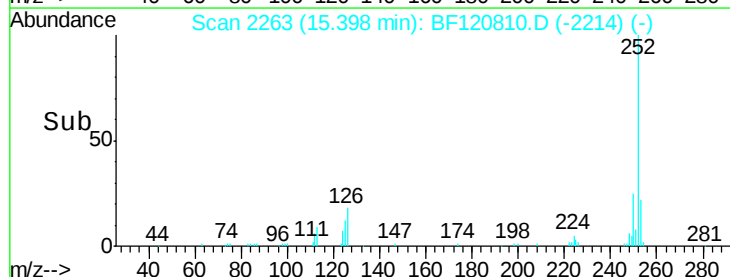
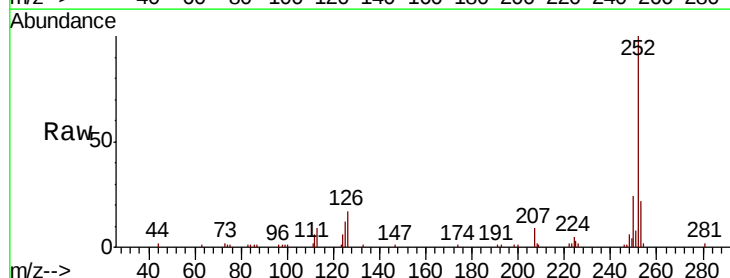
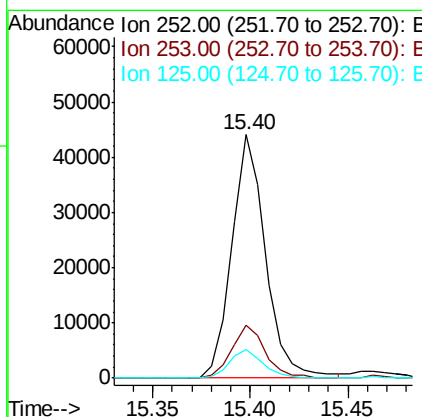
mohammad

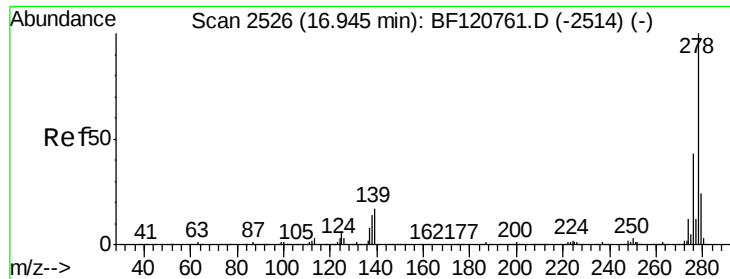
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#90
Benzo(a)pyrene
Concen: 3.484 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	11.7	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 3.552 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

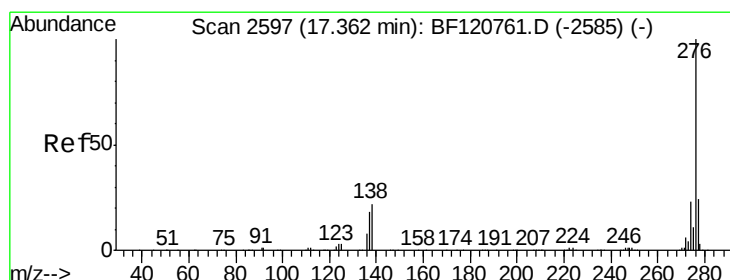
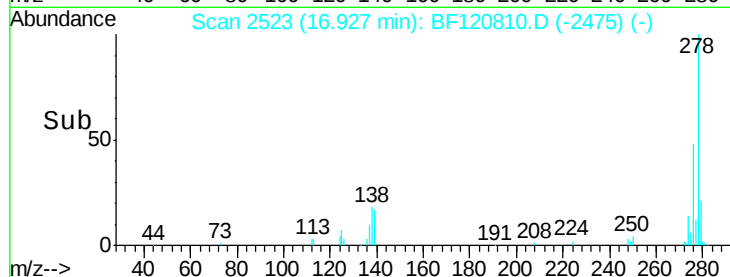
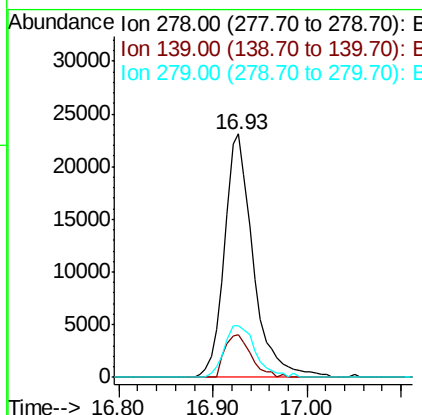
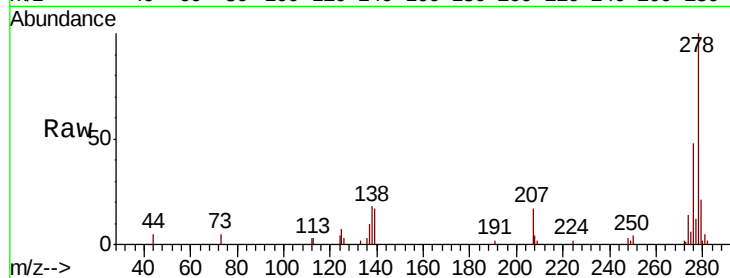
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:278	Resp:	49117
Ion Ratio	Lower	Upper
278	100	
139	17.5	13.3 19.9
279	21.2	19.0 28.6

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#92
Benzo(g,h,i)perylene
Concen: 3.870 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:276	Resp:	48910
Ion Ratio	Lower	Upper
276	100	
277	23.3	18.8 28.2
138	24.0	17.4 26.2

