

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120824.D
 Acq On : 10 Jul 2020 11:11
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Manual Integrations
 APPROVED

mohammad
 7/13/2020 1:04:25 PM

Quant Time: Jul 10 11:49:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 10 11:06:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	163768	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	622767	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	306382	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	539553	20.00	ng	0.00
76) Chrysene-d12	14.00	240	391018	20.00	ng	0.00
86) Perylene-d12	15.46	264	331436	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1378030	129.89	ng	0.00
7) Phenol-d6	6.48	99	1703645	125.75	ng	0.00
23) Nitrobenzene-d5	7.41	82	827107	76.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	428276	139.14	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1452915	71.75	ng	0.00
79) Terphenyl-d14	12.96	244	1196381	59.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	18659	3.850	ng	99
3) Pyridine	3.43	79	34567	2.604	ng	97
4) n-Nitrosodimethylamine	3.27	42	22045m	3.320	ng	
6) Aniline	6.51	93	64349	3.698	ng	99
8) 2-Chlorophenol	6.63	128	41229	3.650	ng	98
9) Benzaldehyde	6.40	77	34938	4.336	ng	100
10) Phenol	6.49	94	52177	3.744	ng	92
11) bis(2-Chloroethyl)ether	6.58	93	41793	3.685	ng	96
12) 1,3-Dichlorobenzene	6.79	146	45354	3.648	ng	97
13) 1,4-Dichlorobenzene	6.86	146	46379	3.725	ng	97
14) 1,2-Dichlorobenzene	7.02	146	43423	3.665	ng	97
15) Benzyl Alcohol	6.98	79	45767m	4.496	ng	
16) 2,2'-oxybis(1-Chloropropan	7.12	45	60862	3.441	ng	100
17) 2-Methylphenol	7.09	107	32232	3.190	ng	98
18) Hexachloroethane	7.36	117	16260	3.474	ng	92
19) n-Nitroso-di-n-propylamine	7.25	70	28443	3.487	ng	98
20) 3+4-Methylphenols	7.24	107	40464	3.251	ng	98
22) Acetophenone	7.25	105	61633	3.982	ng	# 87
24) Nitrobenzene	7.42	77	48899	4.052	ng	95
25) Isophorone	7.66	82	76578	3.303	ng	94
26) 2-Nitrophenol	7.74	139	13064	2.961	ng	94
27) 2,4-Dimethylphenol	7.77	122	31224	3.374	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	48604	3.543	ng	96
29) 2,4-Dichlorophenol	7.97	162	28720	3.109	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	35444	3.416	ng	98
31) Naphthalene	8.15	128	123183	3.701	ng	97
32) Benzoic acid	7.82	122	7671	1.532	ng	96
33) 4-Chloroaniline	8.19	127	46106	3.265	ng	# 93
34) Hexachlorobutadiene	8.27	225	20587	3.299	ng	94
35) Caprolactam	8.52	113	7402	2.750	ng	89
36) 4-Chloro-3-methylphenol	8.66	107	30005	3.122	ng	93
37) 2-Methylnaphthalene	8.84	142	77517	3.583	ng	97
38) 1-Methylnaphthalene	8.94	142	73141	3.609	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	34652	3.742	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14051	2.568	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	17873	2.833	ng	94
44) 2,4,5-Trichlorophenol	9.15	196	20044	2.862	ng	# 90
46) 1,1'-Biphenyl	9.30	154	99111	4.010	ng	98
47) 2-Chloronaphthalene	9.33	162	69427	3.507	ng	99
48) 2-Nitroaniline	9.42	65	16922	3.194	ng	90
49) Acenaphthylene	9.74	152	107784	3.472	ng	98
50) Dimethylphthalate	9.60	163	76055	3.403	ng	98
51) 2,6-Dinitrotoluene	9.66	165	13134	3.253	ng	89
52) Acenaphthene	9.92	154	65680	3.411	ng	97
53) 3-Nitroaniline	9.82	138	15401	3.087	ng	97
54) 2,4-Dinitrophenol	9.93	184	1655	1.241	ng	# 38
55) Dibenzofuran	10.09	168	99441	3.582	ng	99
56) 4-Nitrophenol	9.97	139	8814	2.406	ng	# 82
57) 2,4-Dinitrotoluene	10.06	165	14879	3.069	ng	98
58) Fluorene	10.43	166	74048	3.584	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	16026	3.076	ng	91
60) Diethylphthalate	10.30	149	74847	3.215	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	36510	3.515	ng	95
62) 4-Nitroaniline	10.43	138	14102	2.970	ng	99
63) Azobenzene	10.59	77	80480	3.379	ng	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	3123	1.802	ng	99
66) n-Nitrosodiphenylamine	10.54	169	61699	3.412	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	19208	3.069	ng	# 86
68) Hexachlorobenzene	10.97	284	20437	3.112	ng	96
69) Atrazine	11.06	200	15809	3.393	ng	94
70) Pentachlorophenol	11.17	266	7633	2.054	ng	91
71) Phenanthrene	11.39	178	105801	3.614	ng	98
72) Anthracene	11.44	178	101645	3.436	ng	97
73) Carbazole	11.59	167	92824	3.265	ng	99
74) Di-n-butylphthalate	11.93	149	94135	2.675	ng	99
75) Fluoranthene	12.57	202	99564	3.193	ng	98
77) Benzidine	12.70	184	30374	2.752	ng	# 90
78) Pyrene	12.80	202	104432	3.344	ng	96
80) Butylbenzylphthalate	13.43	149	28544	2.117	ng	97
81) Benzo(a)anthracene	13.99	228	85413	3.408	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	22411	2.650	ng	98
83) Chrysene	14.03	228	83881	3.281	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	45755	2.588	ng	99
85) Di-n-octyl phthalate	14.60	149	55365	1.770	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.90	276	61947	2.914	ng	96
88) Benzo(b)fluoranthene	15.03	252	66070	3.032	ng	96
89) Benzo(k)fluoranthene	15.06	252	65189	3.075	ng	97
90) Benzo(a)pyrene	15.40	252	54682	2.813	ng	99
91) Dibenzo(a,h)anthracene	16.92	278	50846	2.870	ng	96
92) Benzo(g,h,i)perylene	17.33	276	53302	3.292	ng	97

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

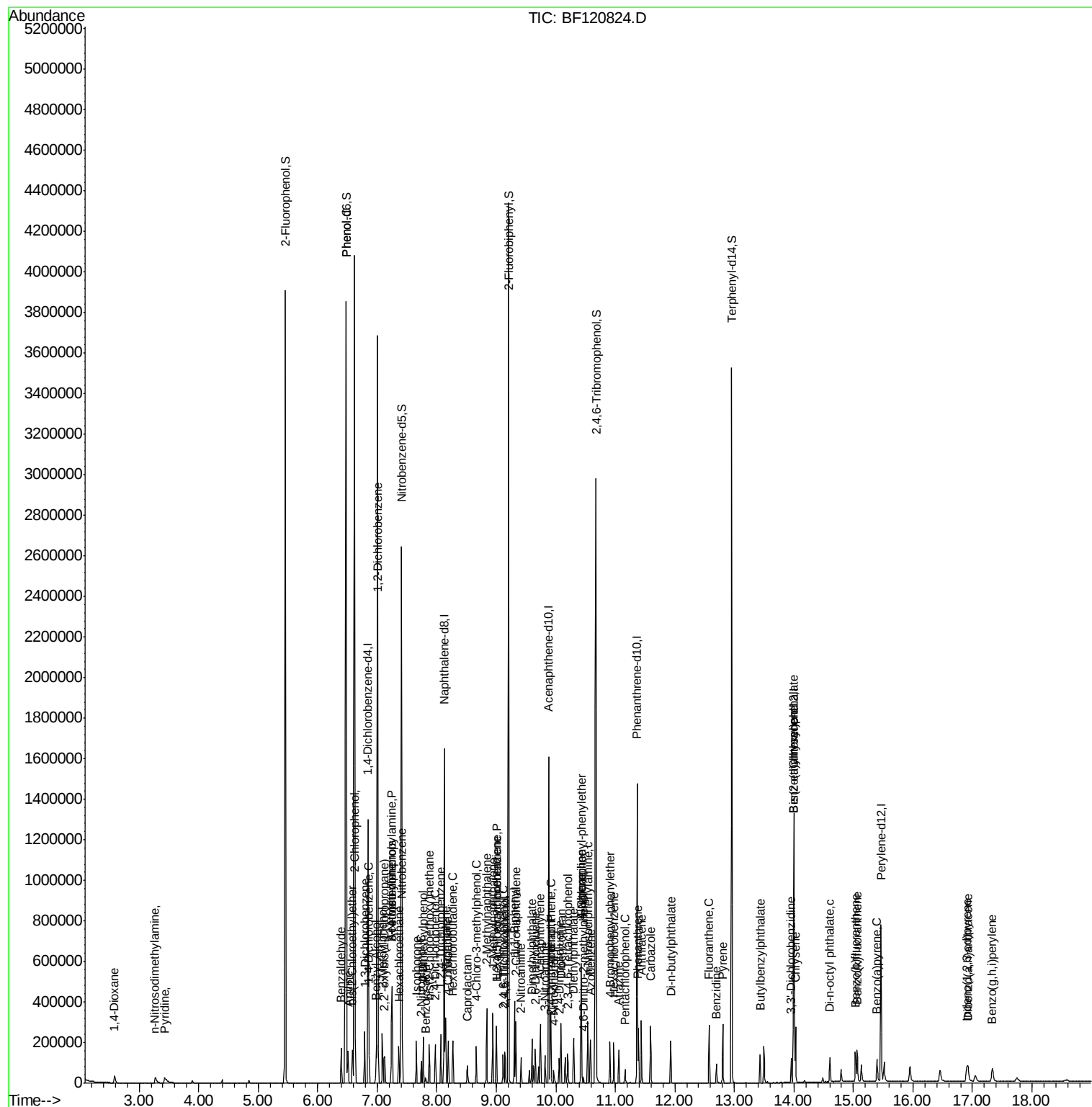
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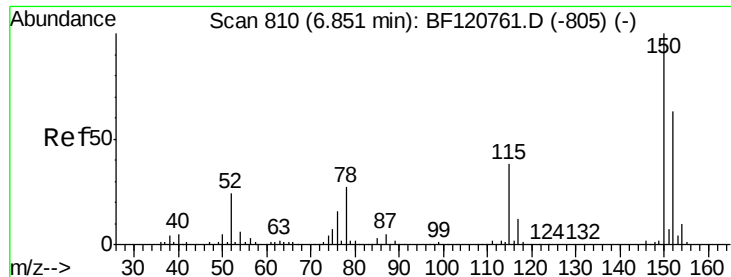
Instrument :
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MDL-SOIL-03-QT3-2020

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

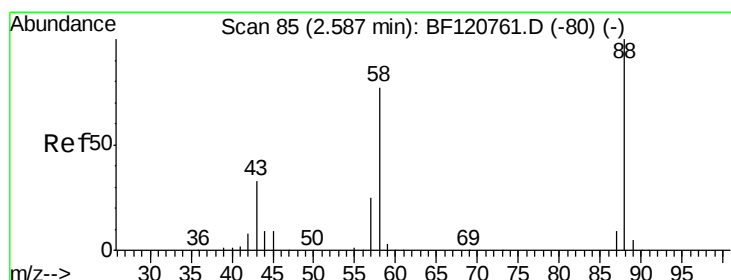
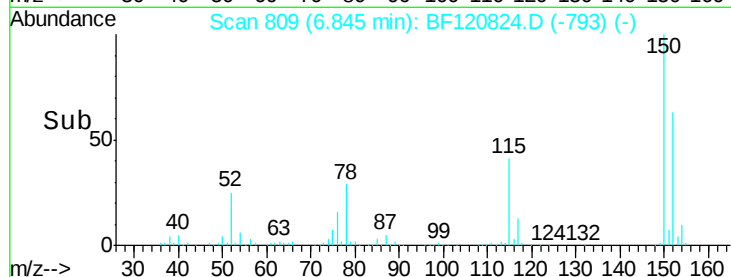
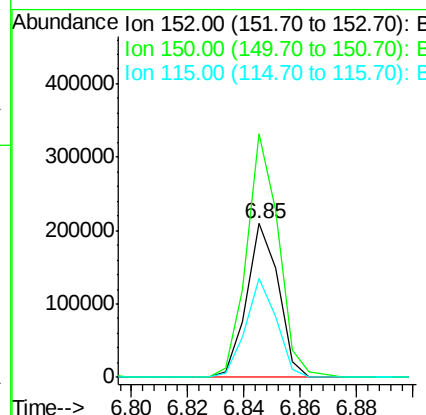
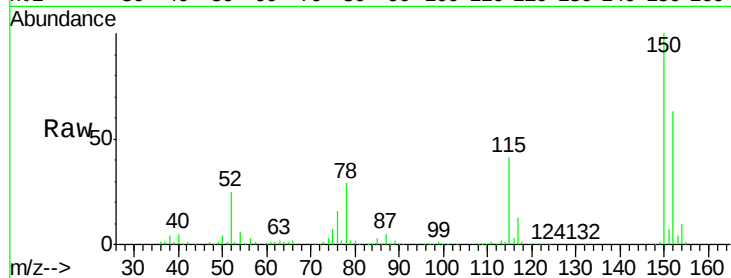
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	152	Resp:	163768
Ion Ratio	Lower	Upper	
152	100		
150	158.6	126.1	189.1
115	64.4	48.5	72.7

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#2

1,4-Dioxane

Concen: 3.850 ng

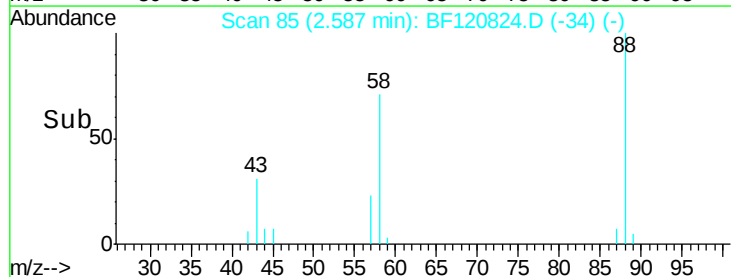
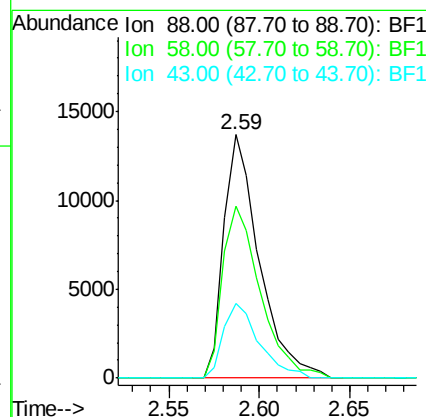
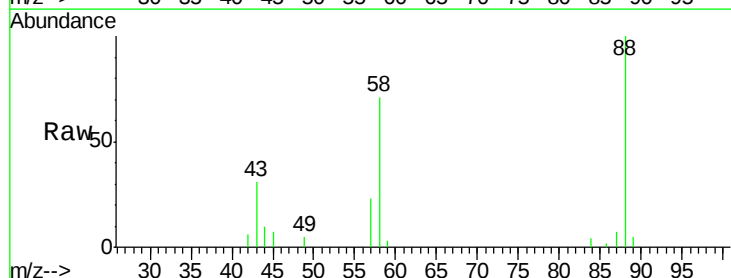
RT: 2.59 min Scan# 85

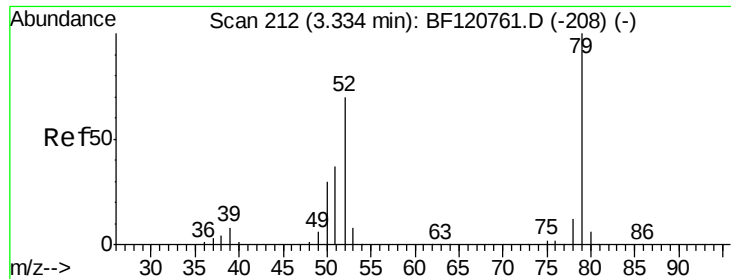
Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	88	Resp:	18659
Ion Ratio	Lower	Upper	
88	100		
58	75.4	60.4	90.6
43	30.9	26.3	39.5





#3

Pvridine

Concen: 2.604 ng

RT: 3.43 min Scan# 228

Delta R.T. 0.09 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

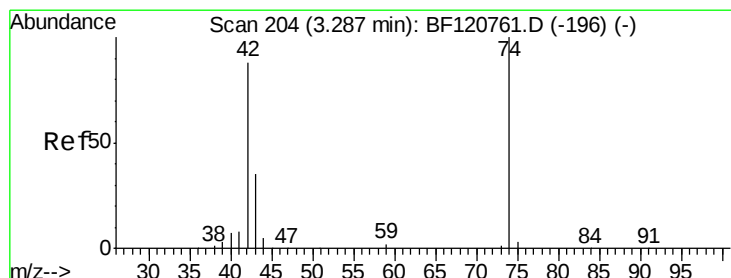
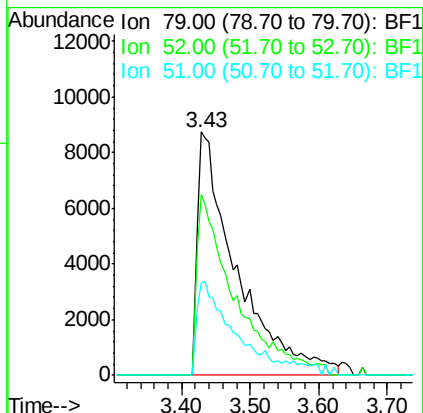
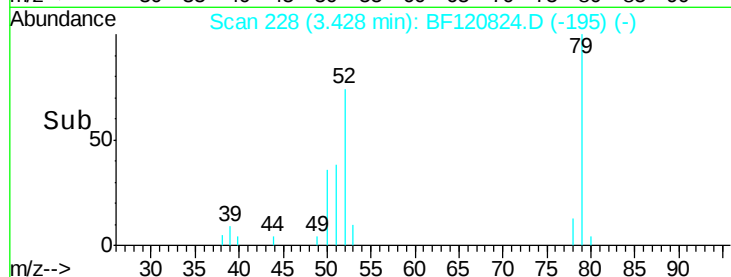
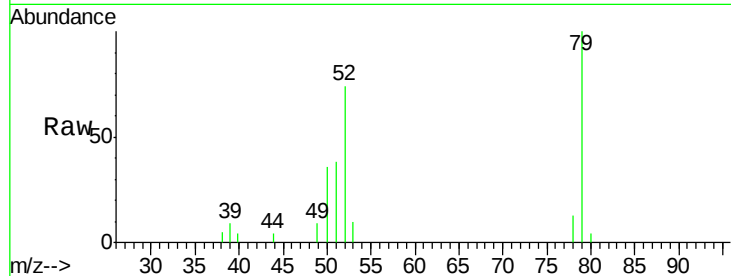
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	79	Resp:	34567
Ion Ratio	Lower	Upper	
79	100		
52	74.3	56.3	84.5
51	37.9	30.1	45.1

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#4

n-Nitrosodimethylamine

Concen: 3.320 ng m

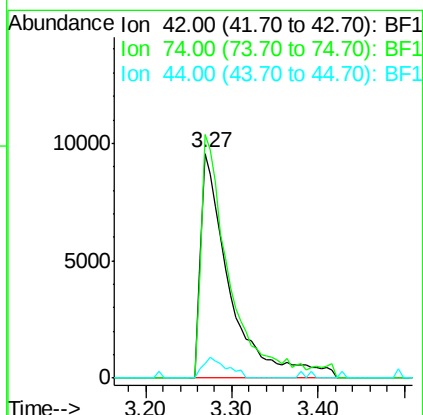
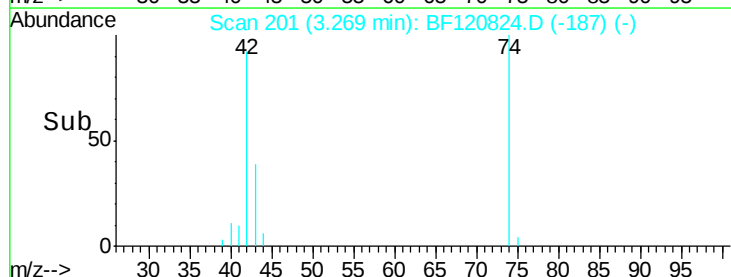
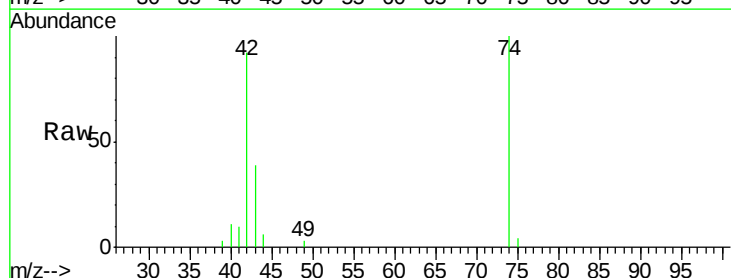
RT: 3.27 min Scan# 201

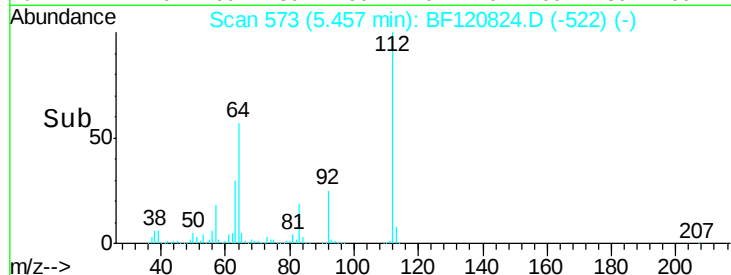
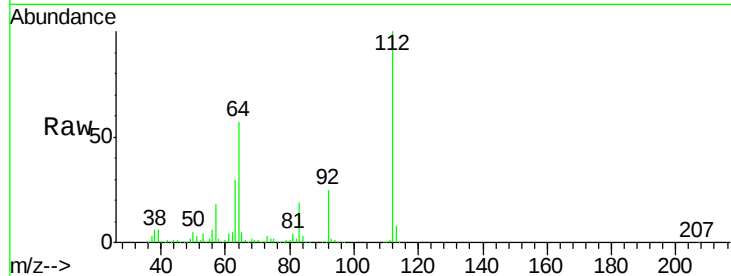
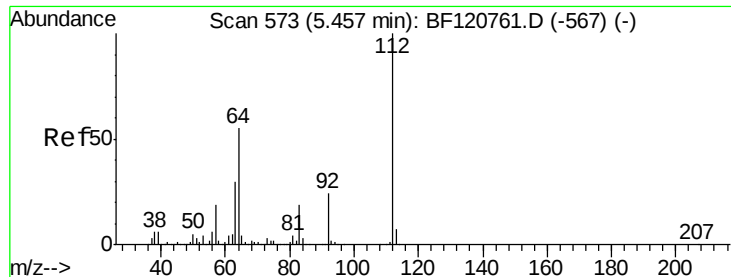
Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	42	Resp:	22045
Ion Ratio	Lower	Upper	
42	100		
74	108.2	90.8	136.2
44	6.2	5.8	8.8





#5

2-Fluorophenol

Concen: 129.891 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tot Ion:	112	Resp:	1378030
Ion	Ratio	Lower	Upper
112	100		
64	56.8	43.8	65.6
63	30.3	23.6	35.4

Instrument :

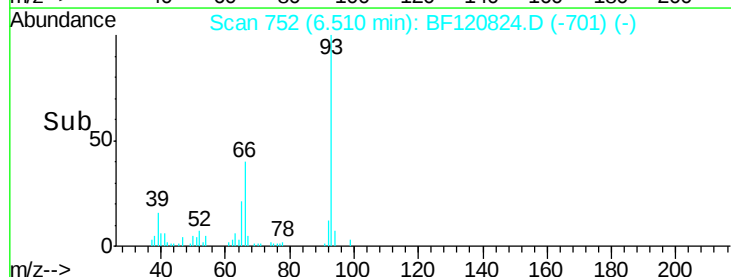
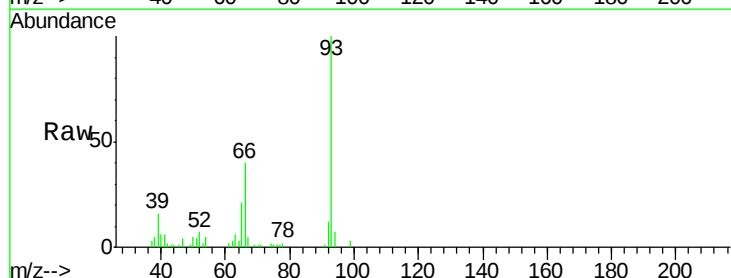
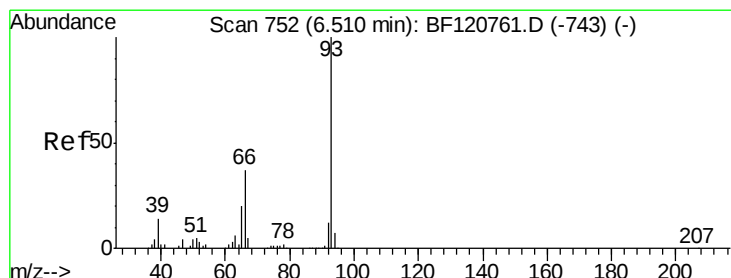
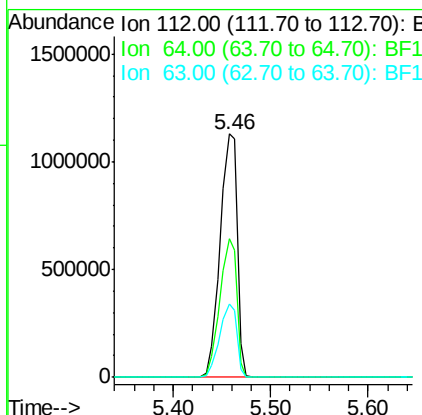
BNA_F

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MDL-SOIL-03-QT3-2020

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#6

Aniline

Concen: 3.698 ng

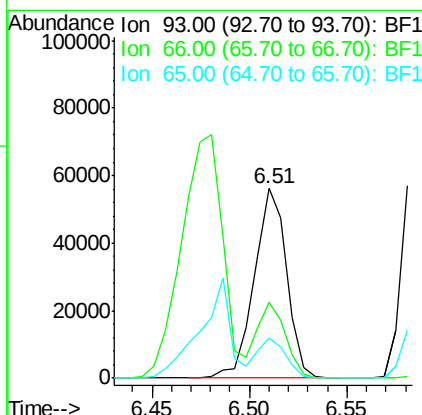
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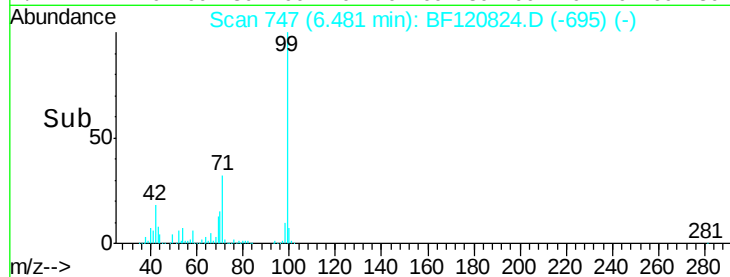
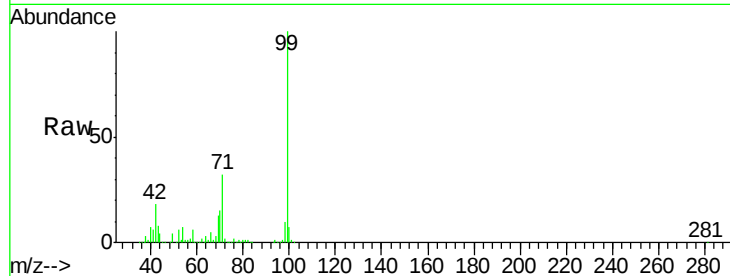
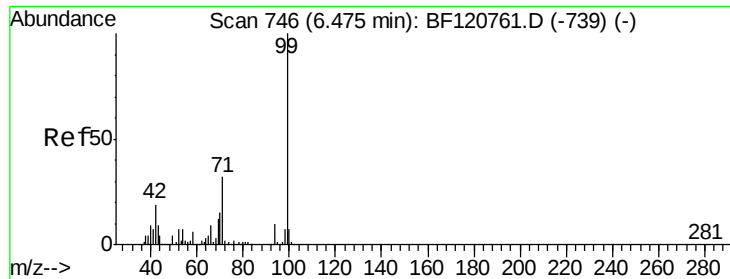
Delta R.T. 0.00 min

Lab File: BF120824.D

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Tgt Ion:	93	Resp:	64349
Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.3	46.9
65	20.9	16.5	24.7





#7

Phenol-d6

Concen: 125.746 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tot Ion:	99	Resp:	1703645
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.4	23.0
71	32.2	25.9	38.9

Instrument :

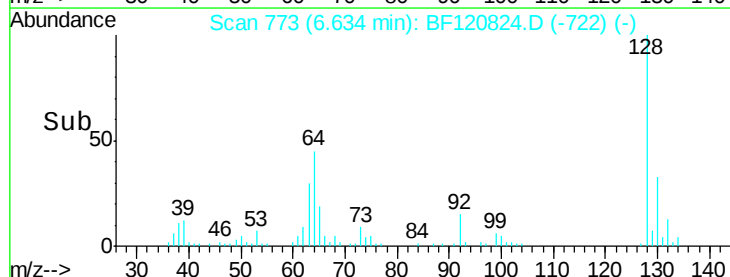
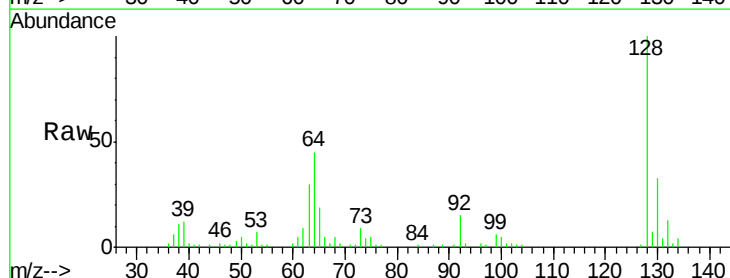
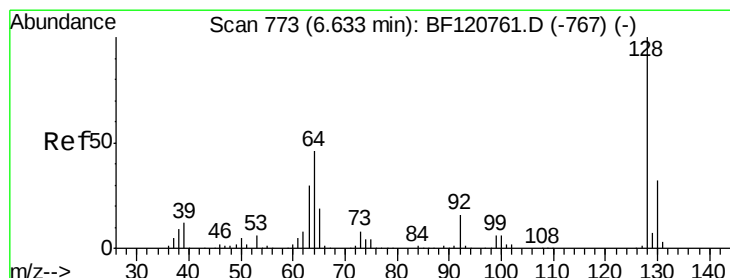
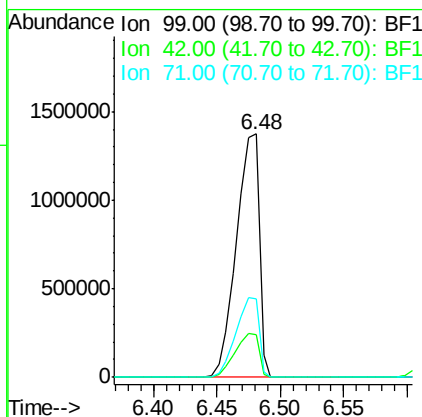
BNA_F

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MDL-SOIL-03-QT3-2020

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#8

2-Chlorophenol

Concen: 3.650 ng

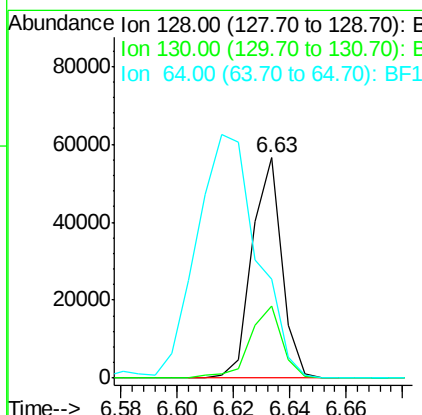
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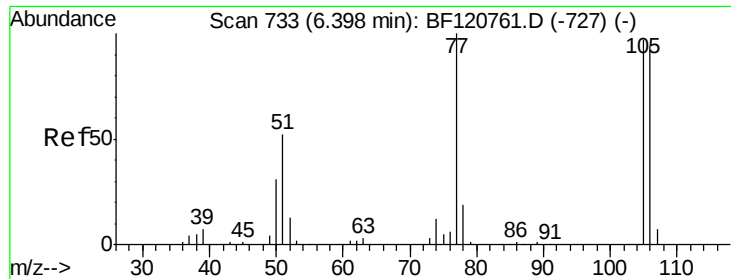
Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	128	Resp:	41229
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.1	52.1
64	45.1	26.3	66.3





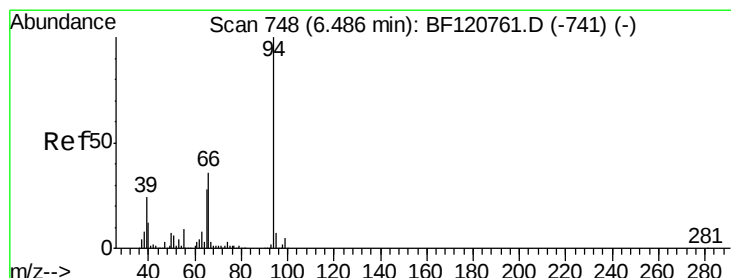
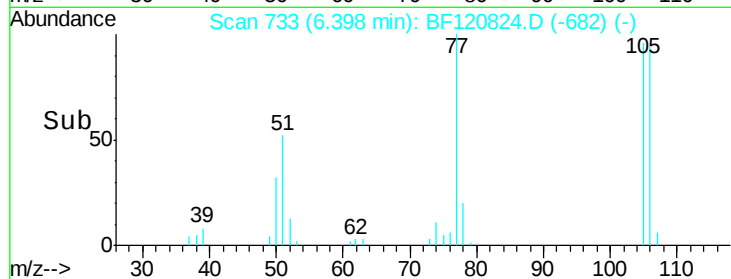
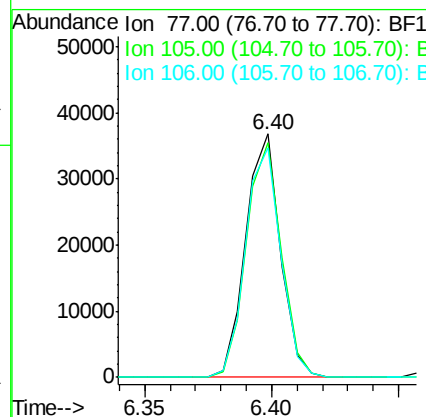
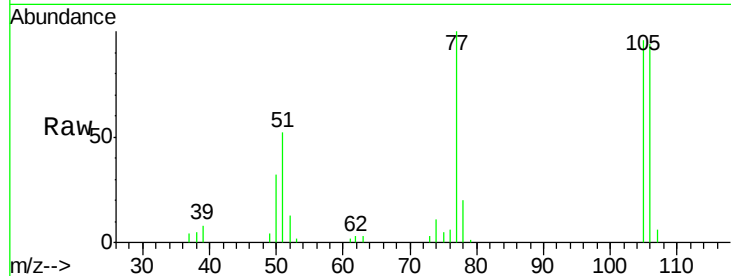
#9
Benzaldehyde
Concen: 4.336 ng
RT: 6.40 min Scan# 733
Delta R.T. 0.00 min
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Instrument :
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Tot Ion	Ratio	Lower	Upper
77	100		
105	96.4	76.8	116.8
106	94.4	73.8	113.8

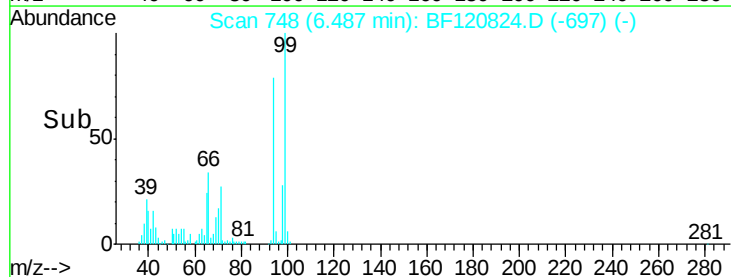
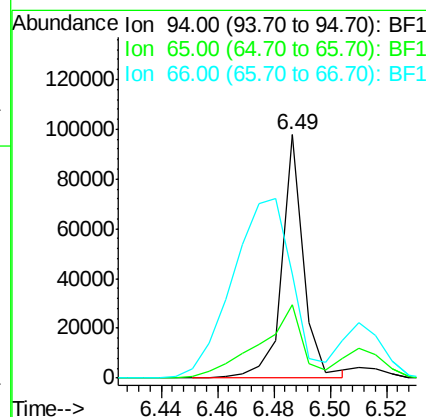
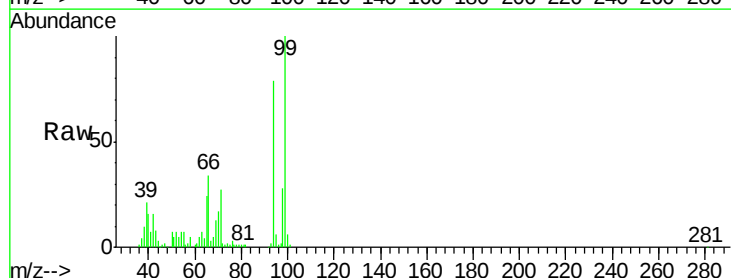
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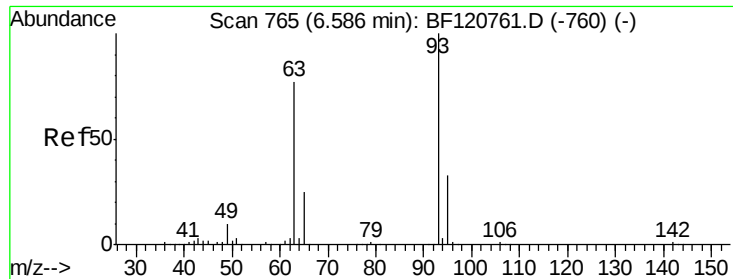
mohammad
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#10
Phenol
Concen: 3.744 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.2	8.4	48.4
66	42.9	16.5	56.5





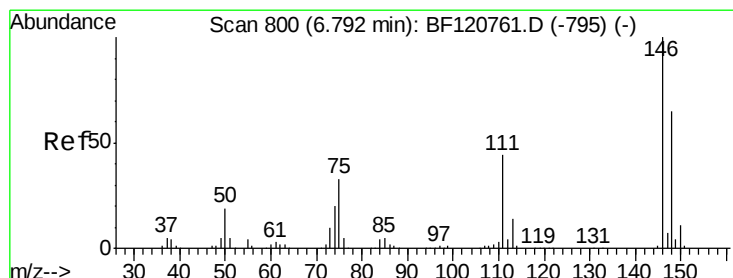
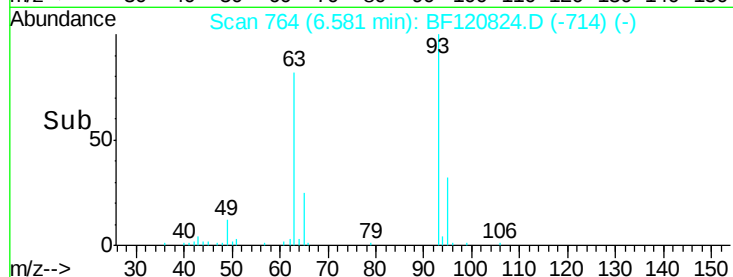
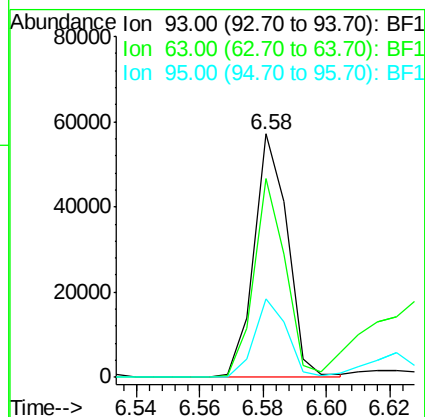
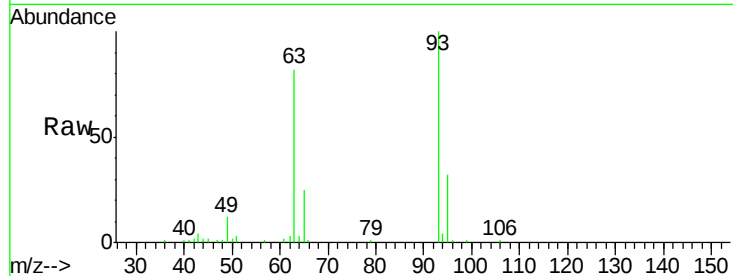
#11
bis(2-Chloroethyl)ether
Concen: 3.685 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	93	Resp:	41793
Ion Ratio	Lower	Upper	
93	100		
63	81.7	56.9	96.9
95	32.1	13.3	53.3

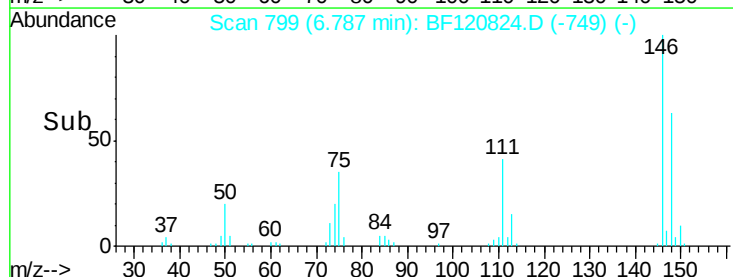
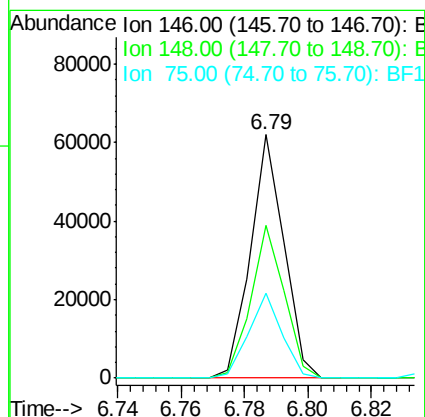
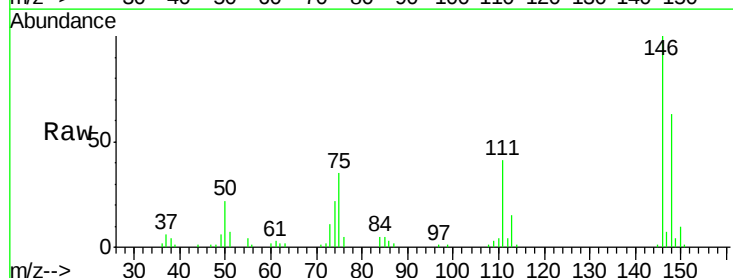
Manual Integrations
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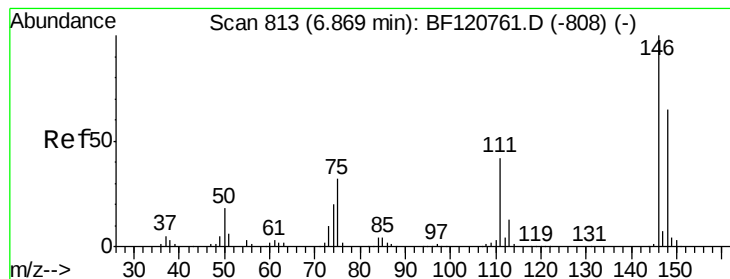
mohammad
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#12
1,3-Dichlorobenzene
Concen: 3.648 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:	146	Resp:	45354
Ion Ratio	Lower	Upper	
146	100		
148	62.7	52.1	78.1
75	34.7	26.0	39.0





#13

1,4-Dichlorobenzene

Concen: 3.725 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

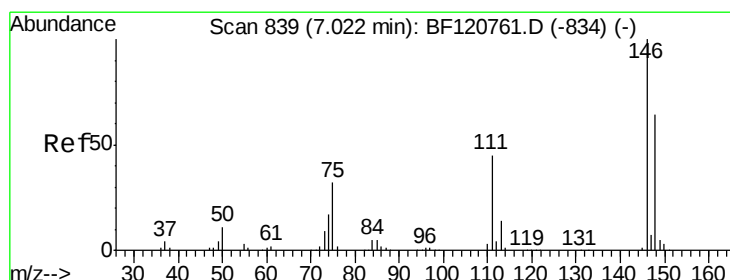
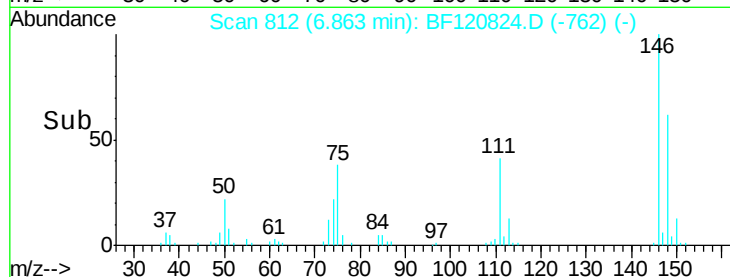
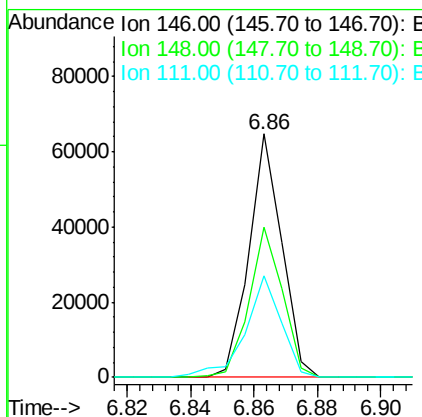
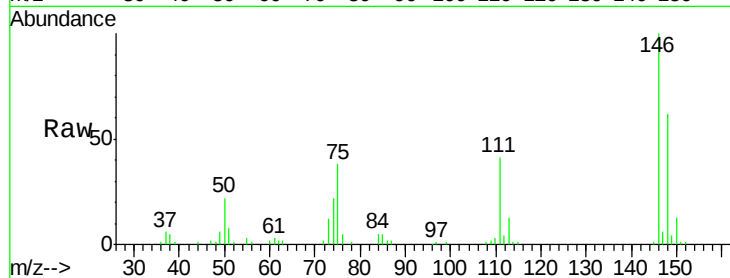
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.8	77.6
111	41.5	33.7	50.5

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 3.665 ng

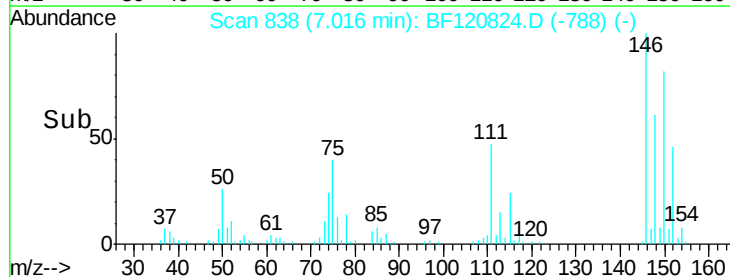
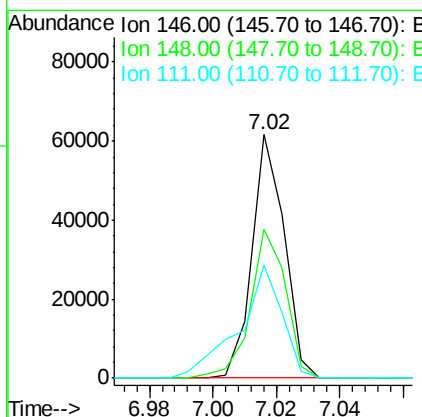
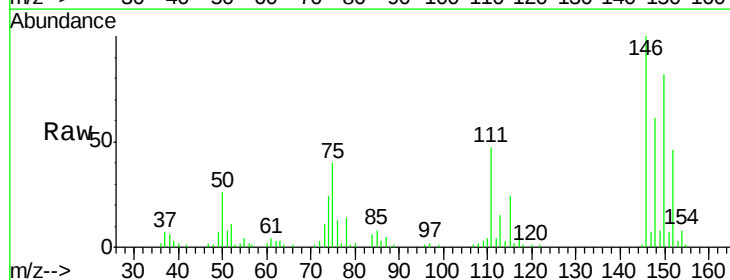
RT: 7.02 min Scan# 838

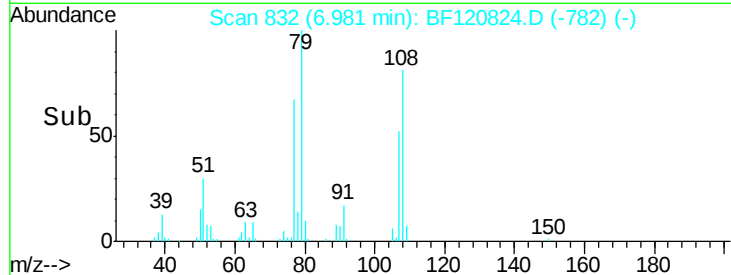
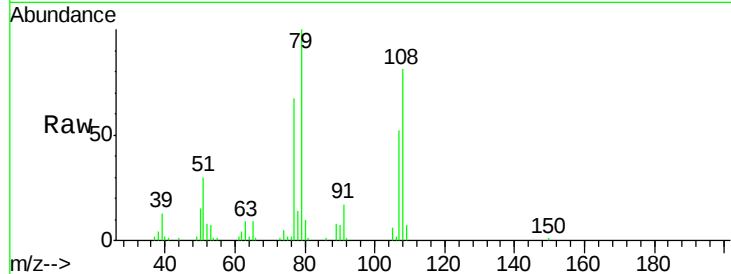
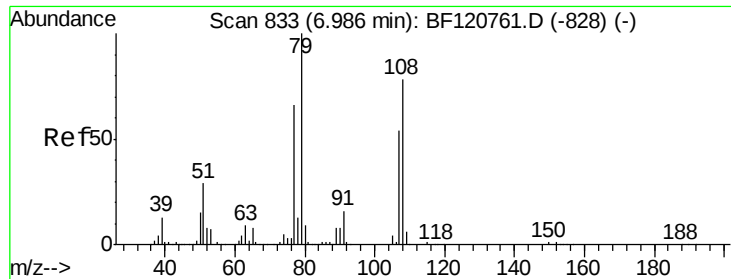
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.4	51.0	76.4
111	46.6	35.7	53.5





#15

Benzyl Alcohol

Concen: 4.496 ng/mL

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tot Ion:	79	Resp:	45767
Ion Ratio	Lower	Upper	
79	100		
108	80.7	62.4	93.6
77	67.0	52.7	79.1

Instrument :

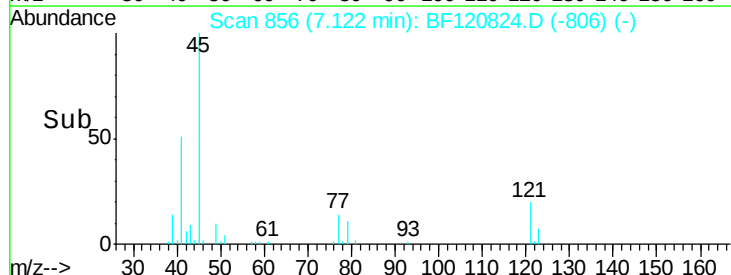
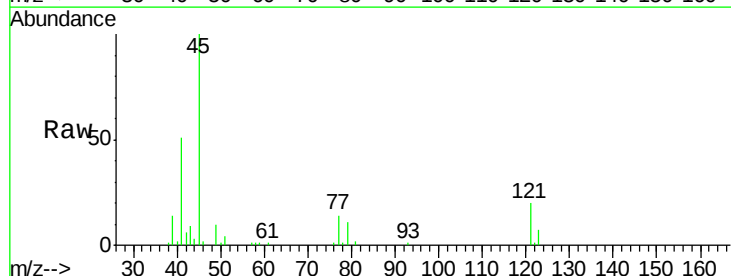
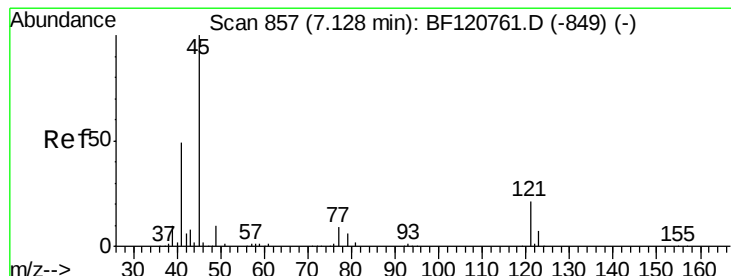
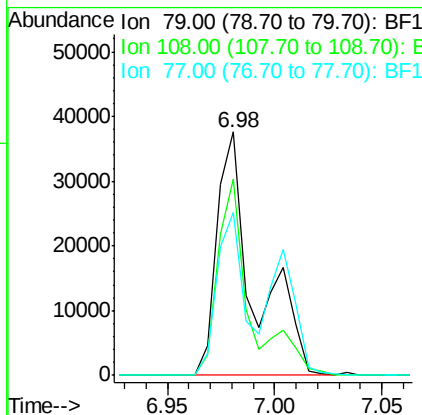
BNA_F

ClientSampleID :

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Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.441 ng/mL

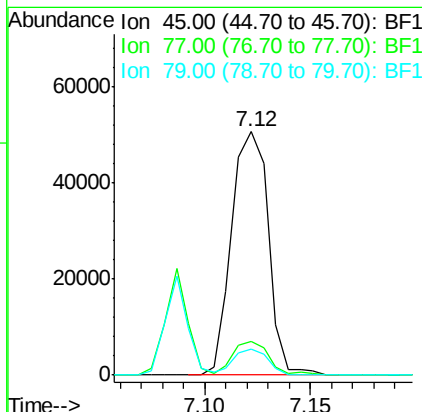
RT: 7.12 min Scan# 856

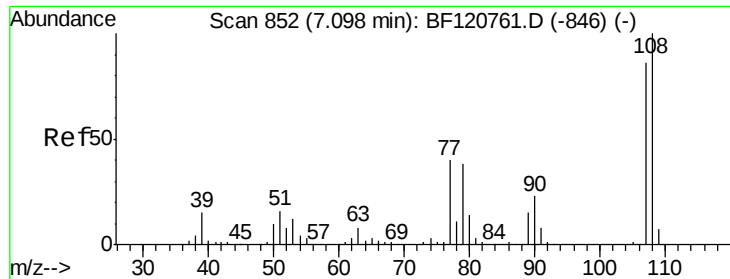
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	45	Resp:	60862
Ion Ratio	Lower	Upper	
45	100		
77	13.8	0.0	33.7
79	10.5	0.0	30.5





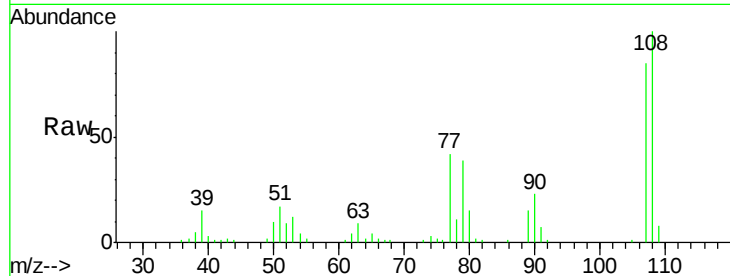
#17
2-Methylphenol
Concen: 3.190 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

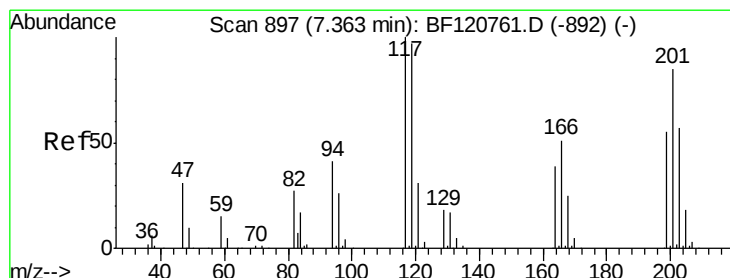
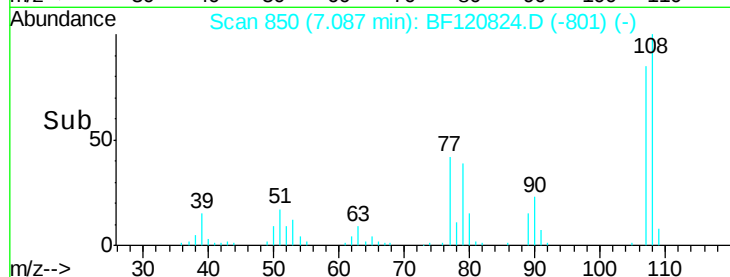
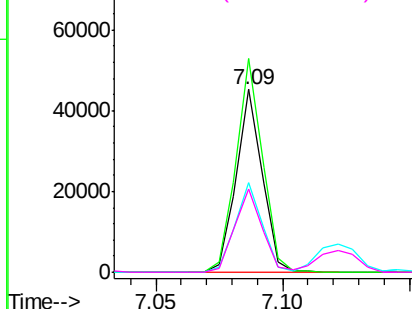
Tot Ion	107	Resp	32232
Ion Ratio	Lower	Upper	
107	100		
108	117.1	93.1	139.7
77	49.0	37.3	55.9
79	45.8	35.3	52.9

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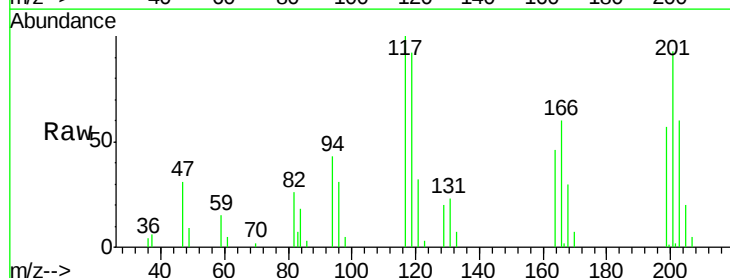


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

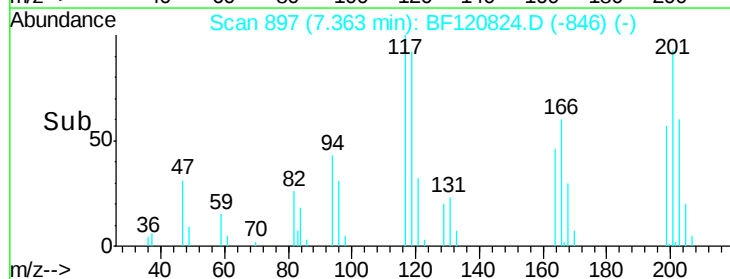
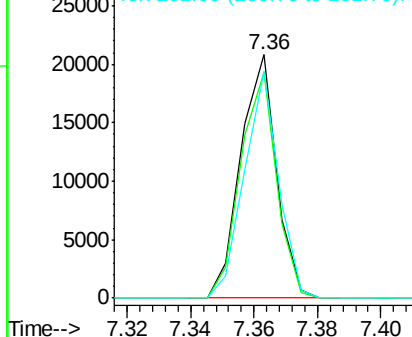


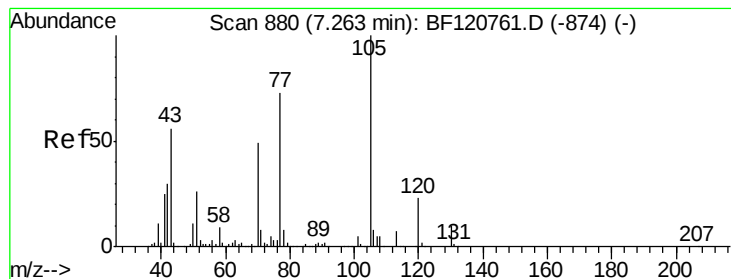
#18
Hexachloroethane
Concen: 3.474 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	117	Resp	16260
Ion Ratio	Lower	Upper	
117	100		
119	92.5	77.9	116.9
201	95.8	68.3	102.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 3.487 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

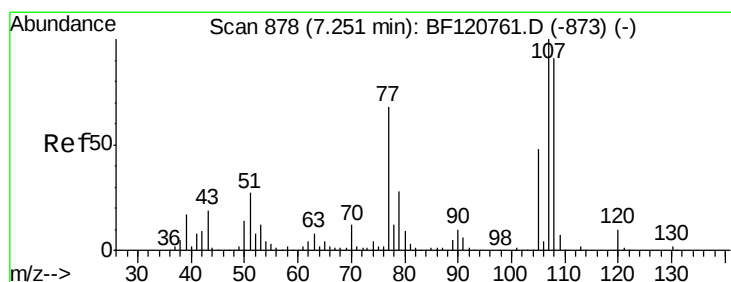
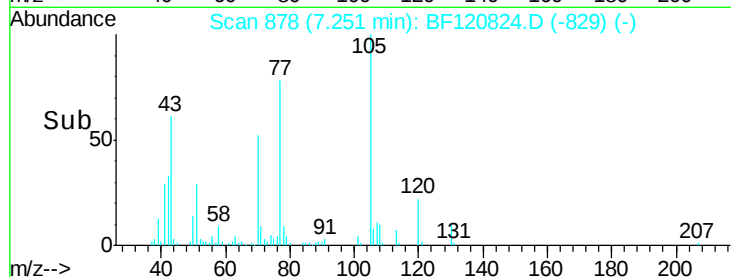
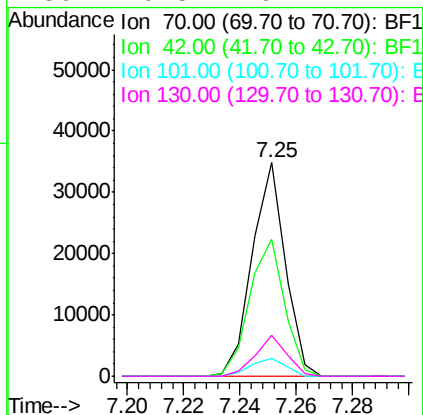
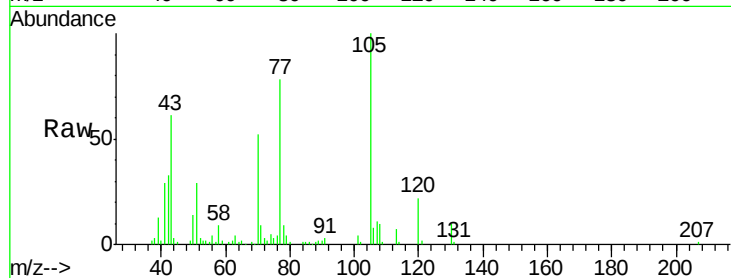
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	70	Resp:	28443
Ion Ratio	Lower	Upper	
70	100		
42	64.1	50.3	75.5
101	8.4	7.5	11.3
130	19.5	16.1	24.1

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#20

3+4-Methylphenols

Concen: 3.251 ng

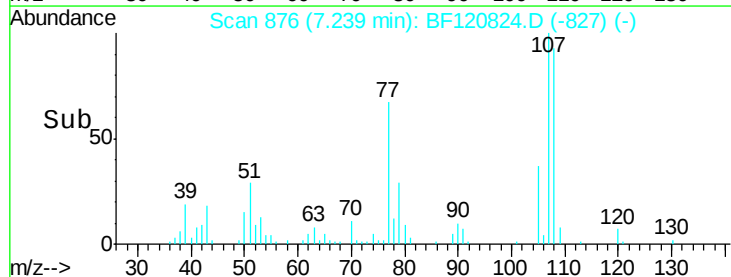
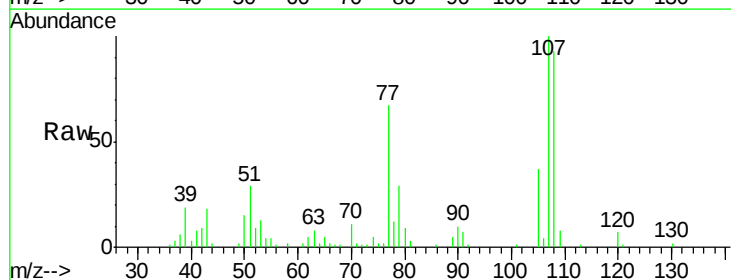
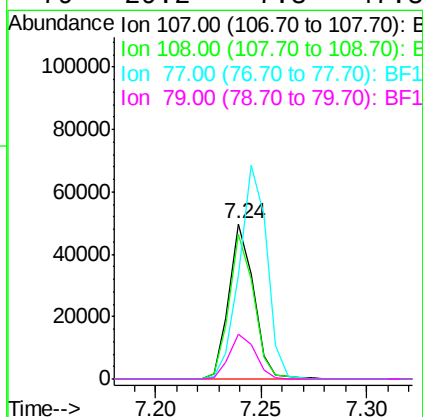
RT: 7.24 min Scan# 876

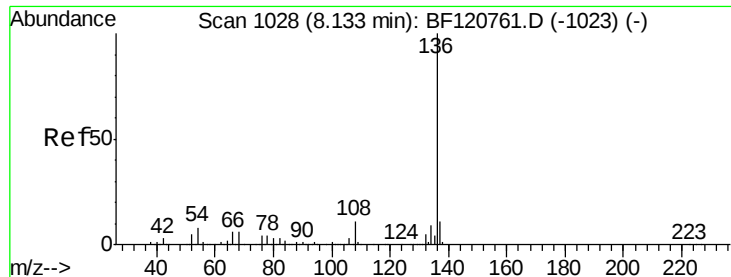
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	107	Resp:	40464
Ion Ratio	Lower	Upper	
107	100		
108	92.9	70.9	110.9
77	67.1	48.3	88.3
79	29.2	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: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

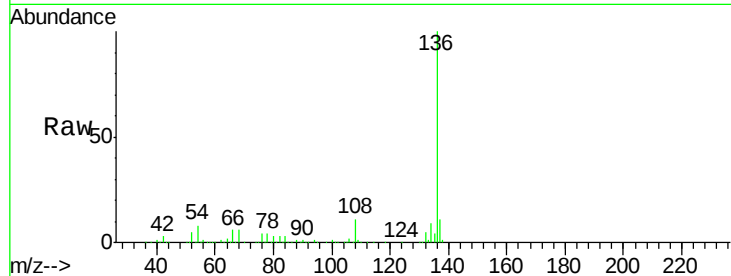
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		622767		
137	11.1		9.0	13.6	
54	8.0		6.2	9.4	
68	5.9		4.7	7.1	

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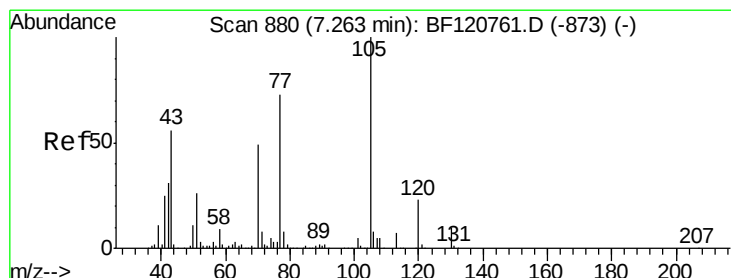
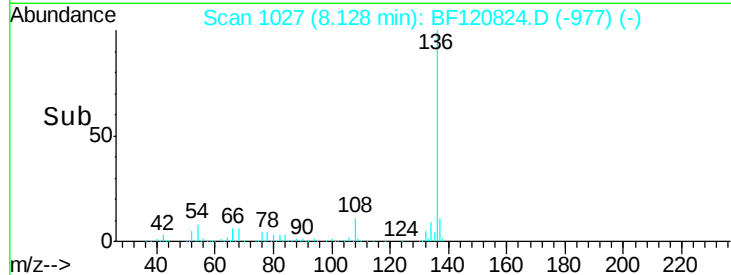
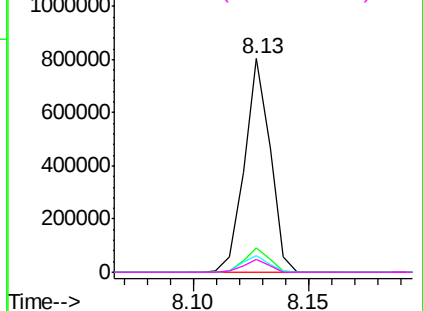
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.982 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		61633		
71	5.5		6.5	9.7#	
51	38.4		21.0	31.4#	
120	21.6		18.6	28.0	

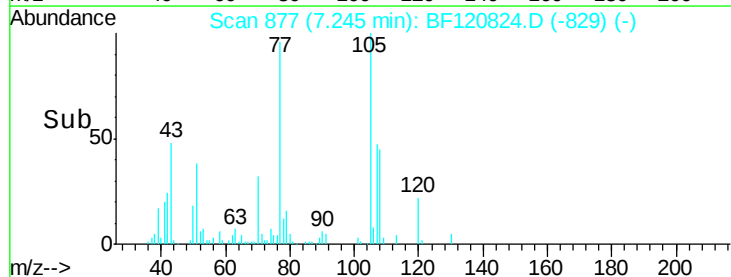
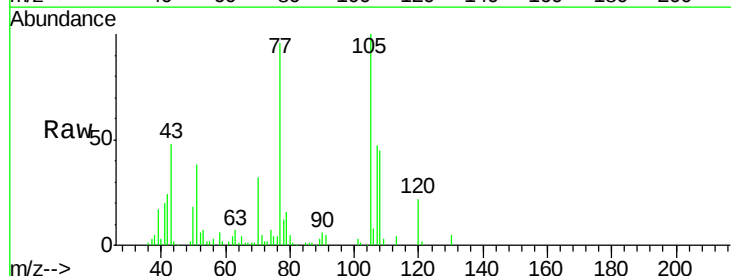
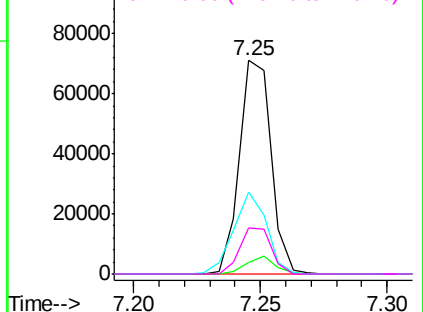
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





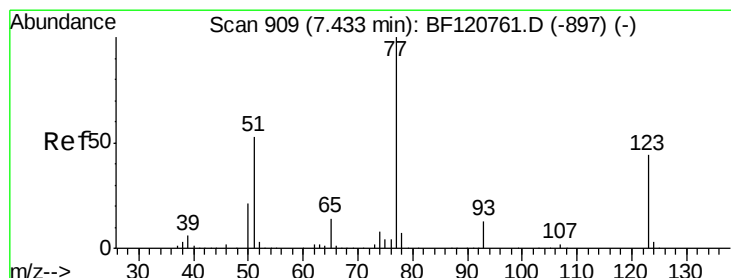
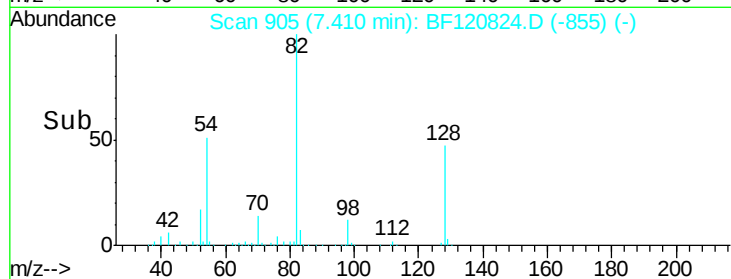
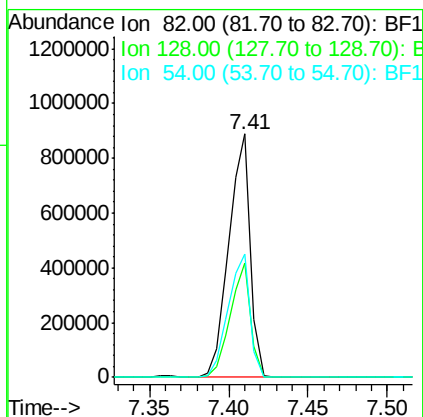
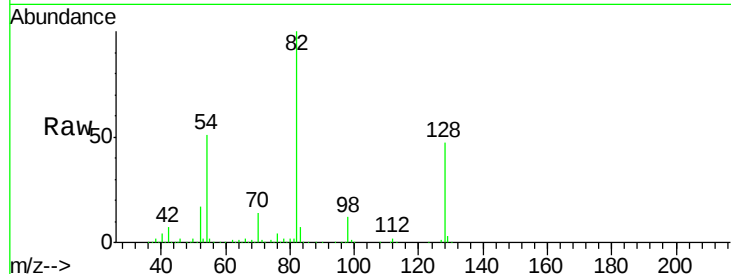
#23
Nitrobenzene-d5
Concen: 76.948 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.7	53.5
54	50.6	40.9	61.3

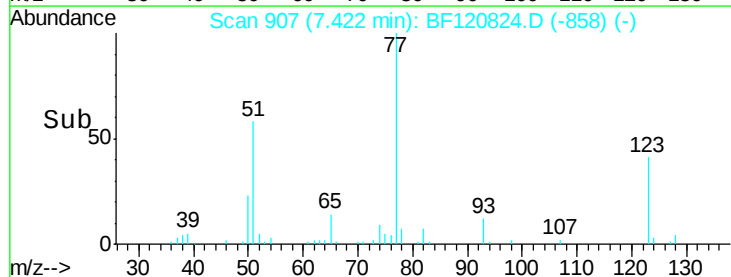
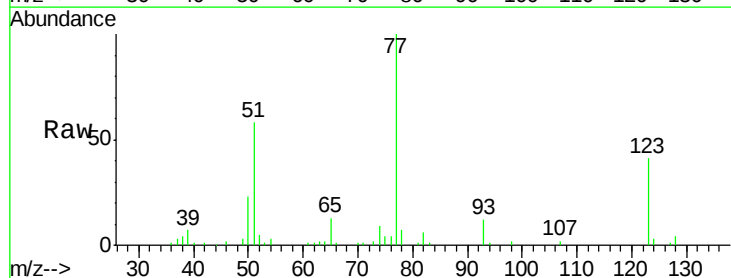
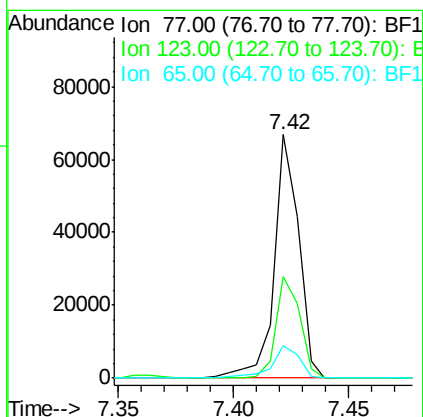
Manual Integrations
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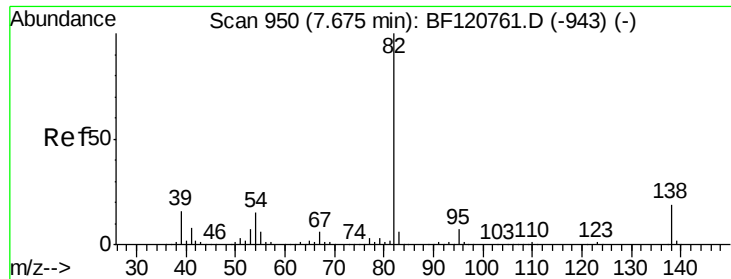
mohammad
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#24
Nitrobenzene
Concen: 4.052 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.5	36.1	54.1
65	13.2	11.0	16.4





#25

Isophorone

Concen: 3.303 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

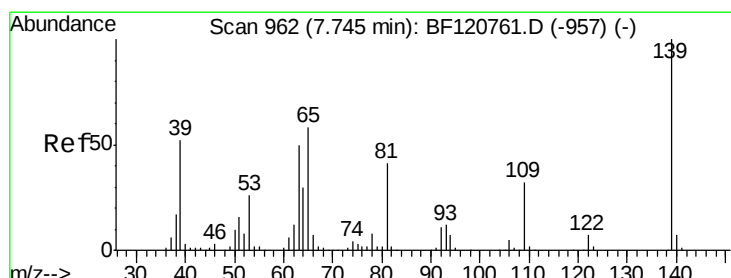
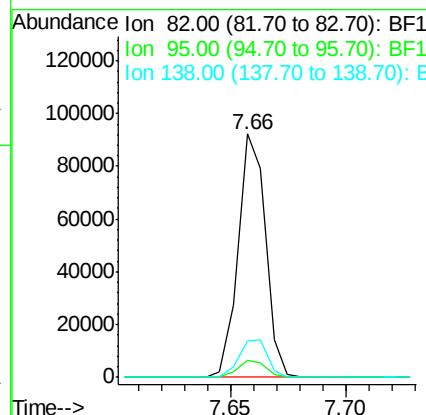
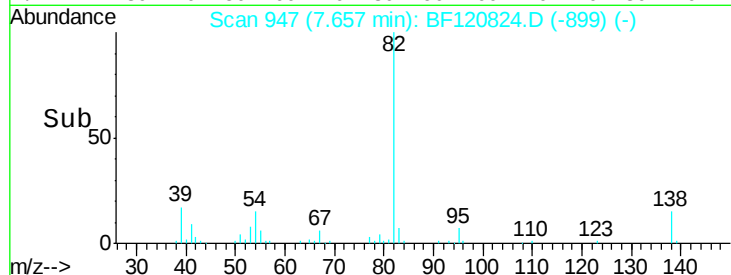
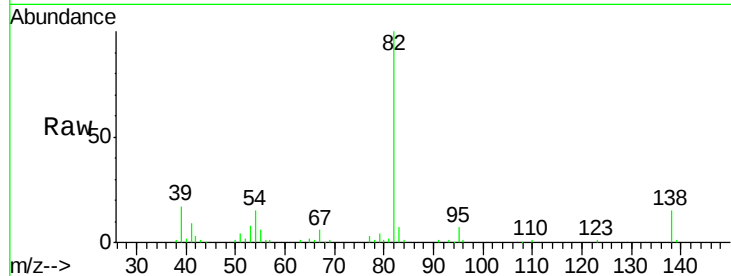
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	82	Resp:	76578
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.4	8.2
138	15.1	15.0	22.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 2.961 ng

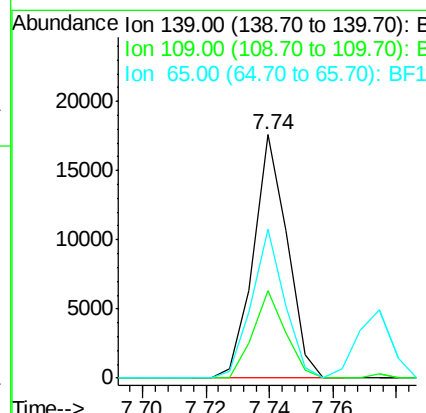
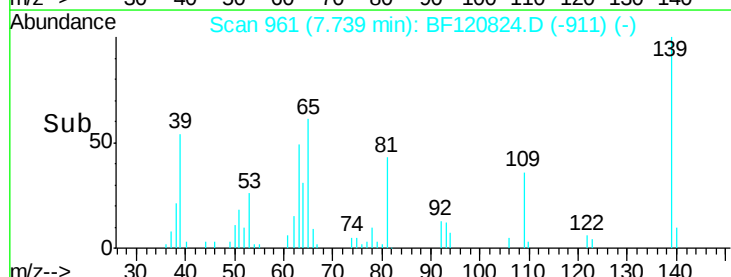
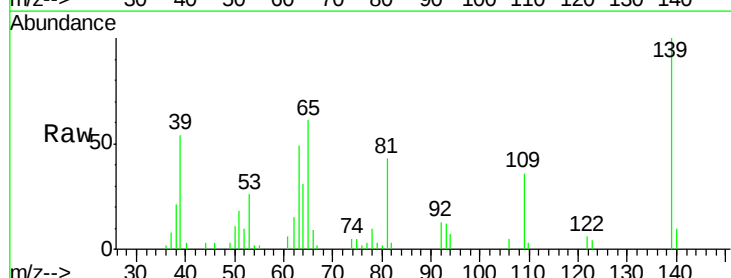
RT: 7.74 min Scan# 961

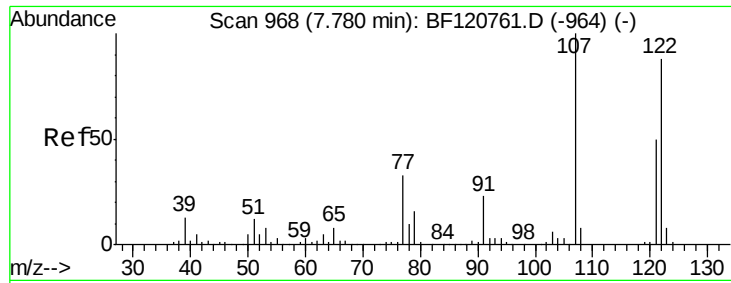
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	139	Resp:	13064
Ion Ratio	Lower	Upper	
139	100		
109	35.8	25.3	37.9
65	61.3	46.2	69.2





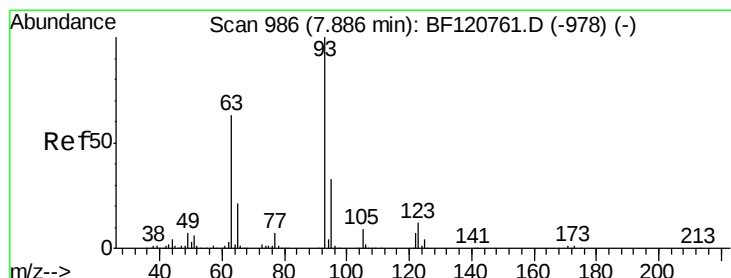
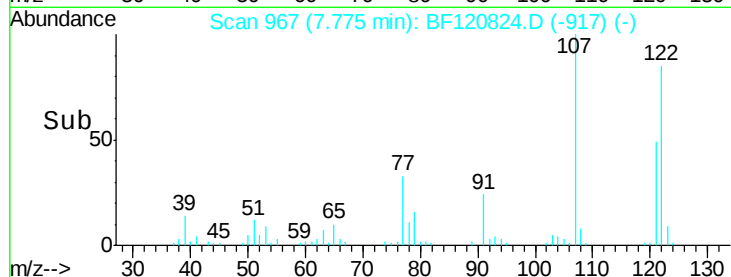
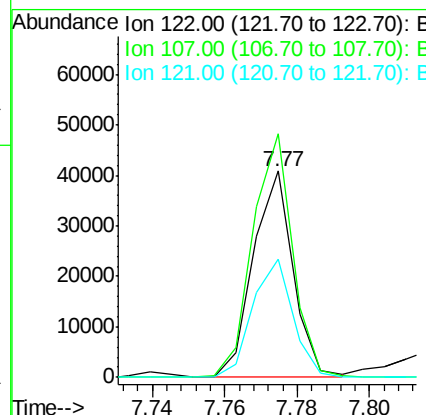
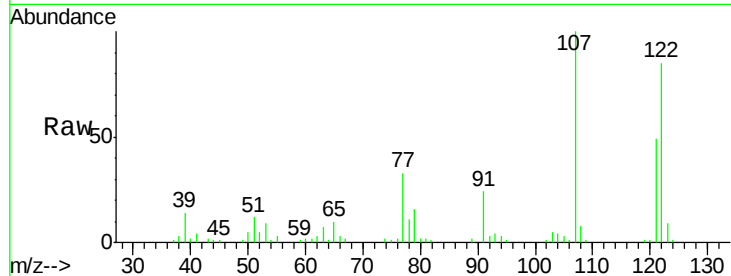
#27
2,4-Dimethylphenol
Concen: 3.374 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		31224		
107	118.1	90.7	136.1		
121	57.6	45.4	68.0		

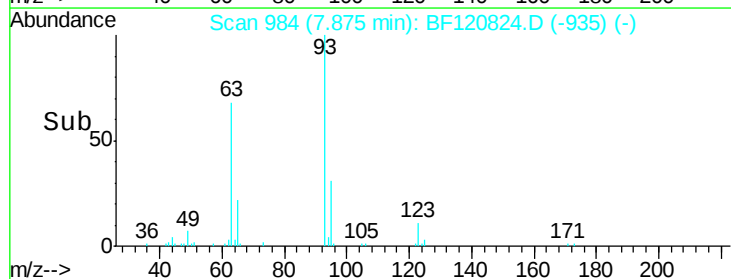
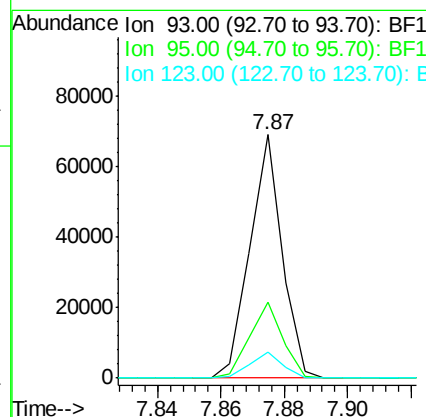
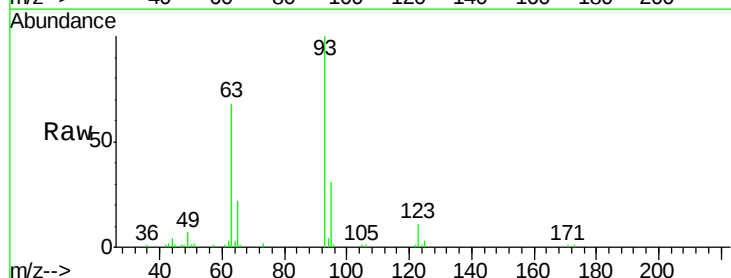
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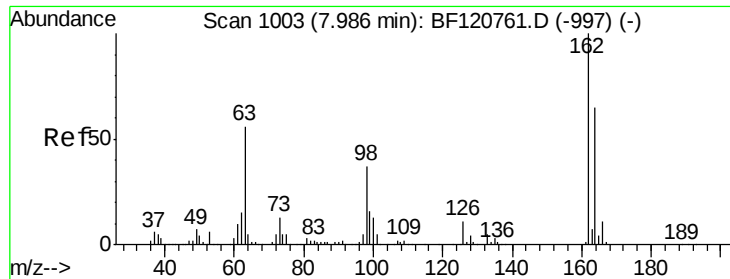
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#28
bis(2-Chloroethoxy)methane
Concen: 3.543 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		48604		
95	31.2	26.4	39.6		
123	10.8	10.2	15.2		





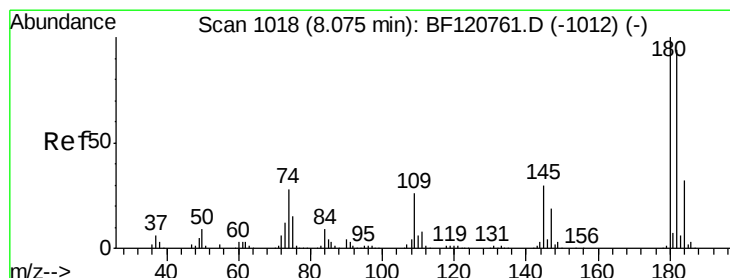
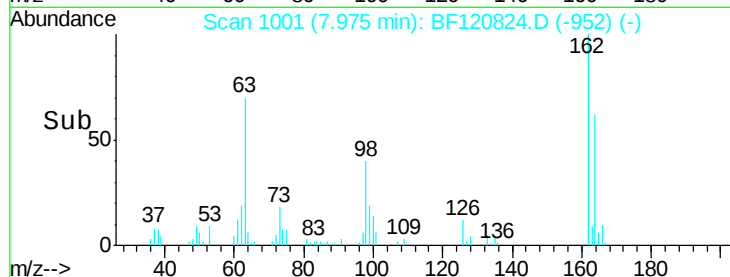
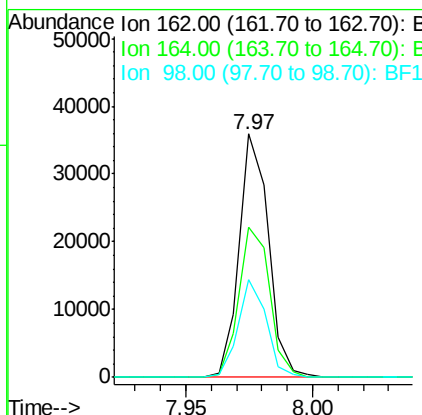
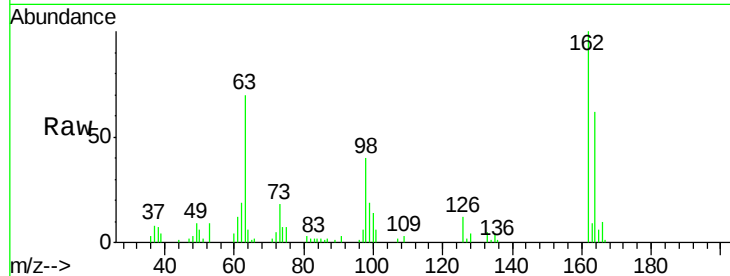
#29
2,4-Dichlorophenol
Concen: 3.109 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.9	45.2	85.2
98	40.2	17.0	57.0

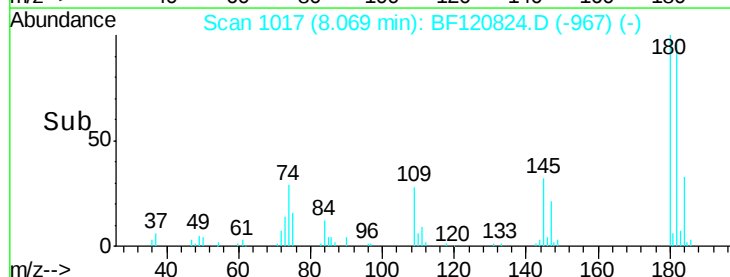
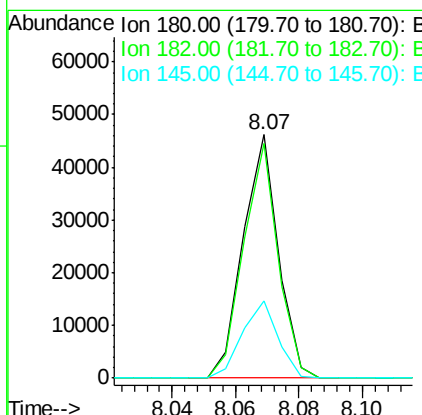
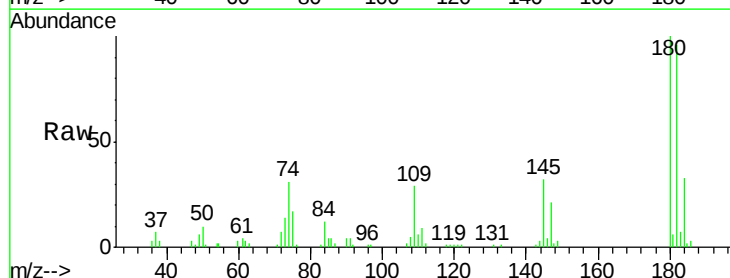
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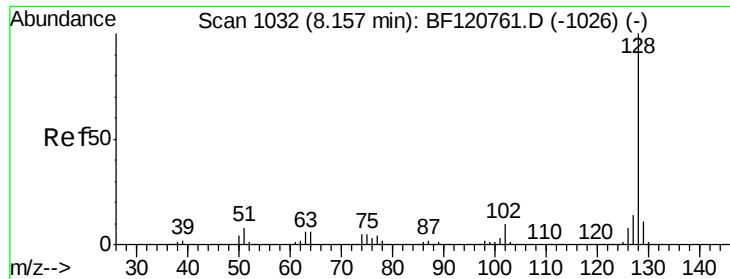
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#30
1,2,4-Trichlorobenzene
Concen: 3.416 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.5	113.3
145	31.6	24.1	36.1





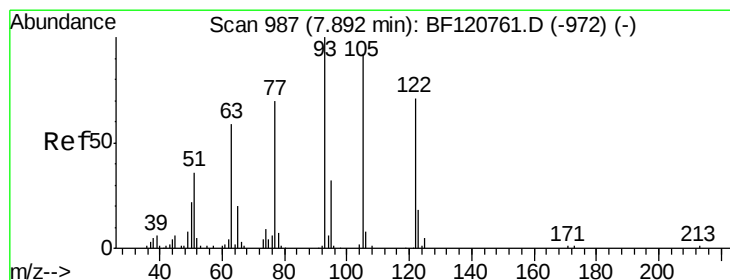
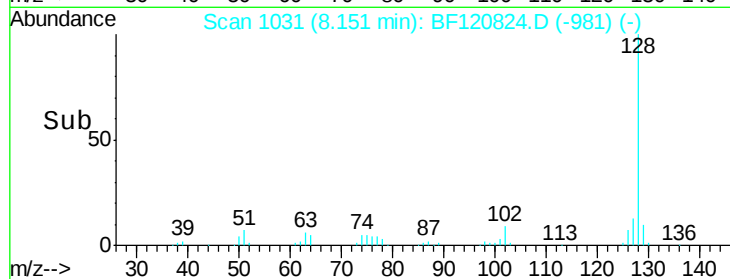
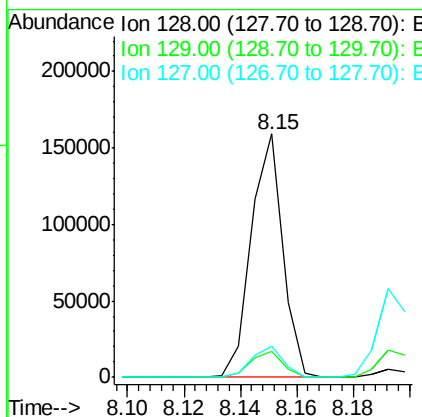
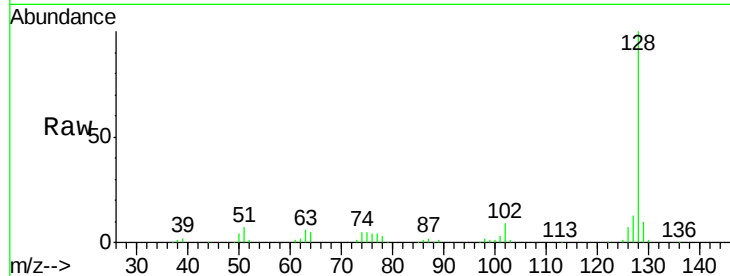
#31
Naphthalene
Concen: 3.701 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.2	13.8
127	12.9	11.1	16.7

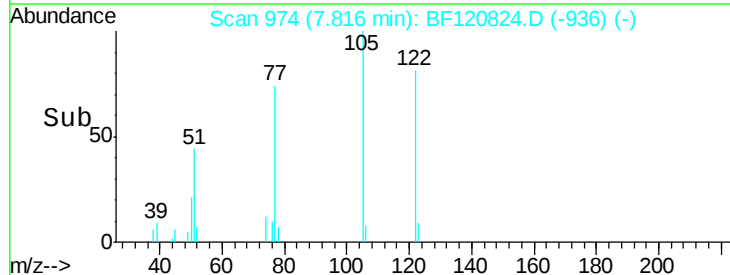
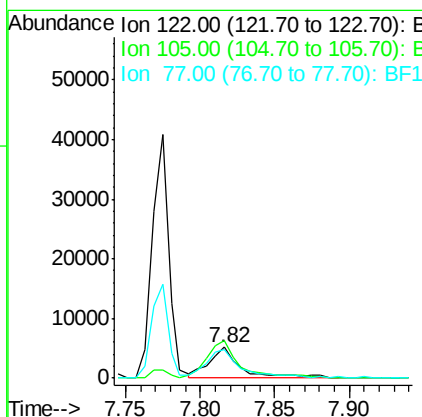
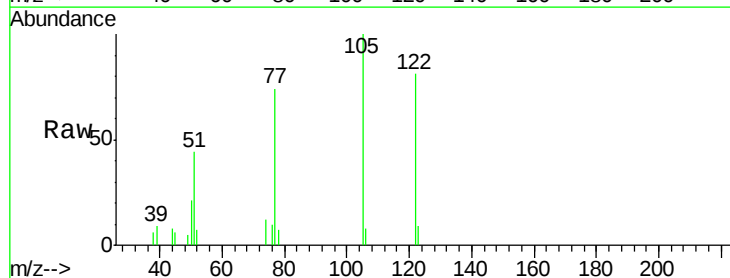
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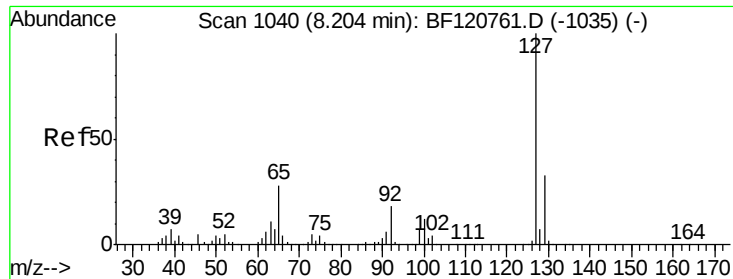
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#32
Benzoic acid
Concen: 1.532 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.08 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.7	105.8	145.8
77	90.7	77.3	117.3





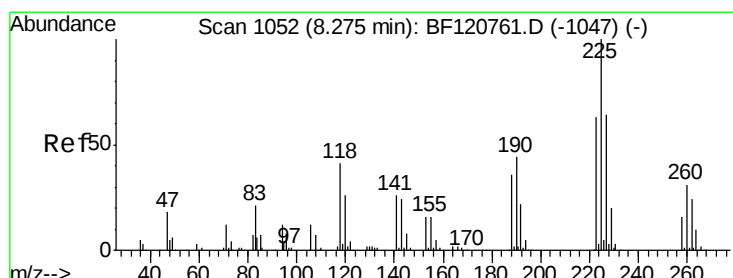
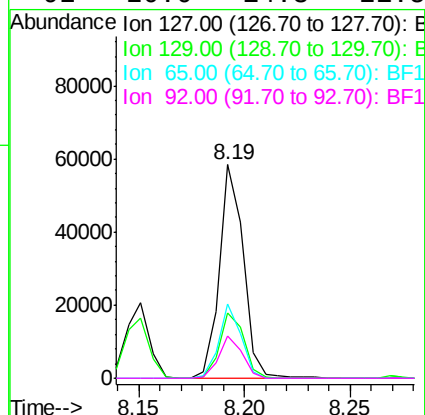
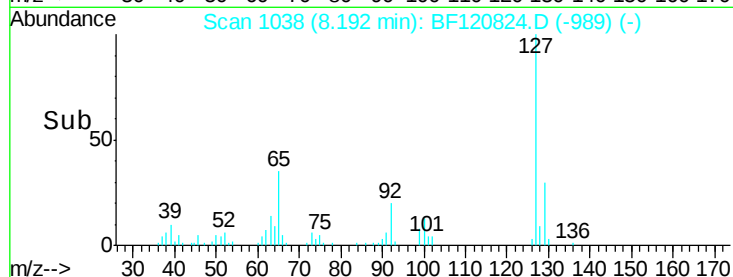
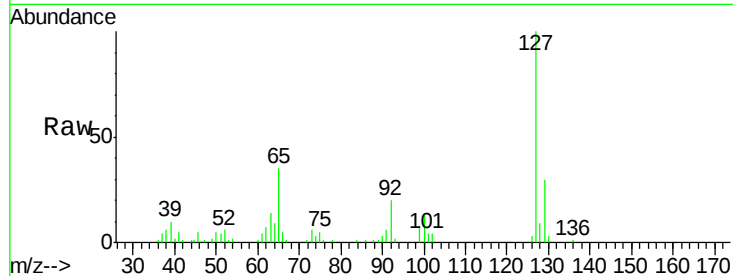
#33
4-Chloroaniline
Concen: 3.265 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
46106	127	100			
	129	30.4		26.6	39.8
	65	34.7		22.7	34.1#
	92	20.0		14.3	21.5

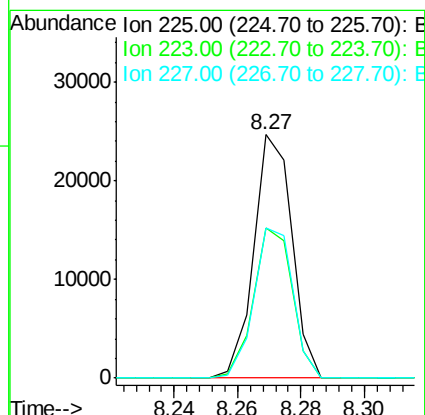
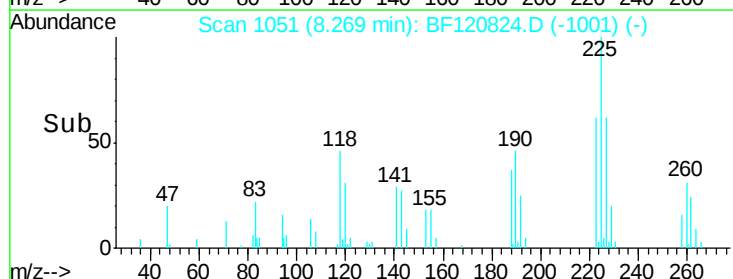
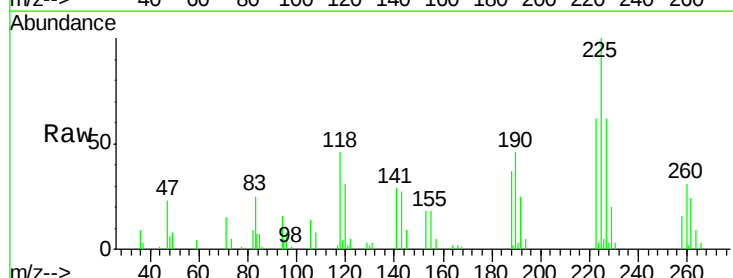
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#34
Hexachlorobutadiene
Concen: 3.299 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
20587	225	100			
	223	58.7		50.6	76.0
	227	58.9		51.4	77.2





#35

Caprolactam

Concen: 2.750 ng

RT: 8.52 min Scan# 1093

Delta R.T. -0.05 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

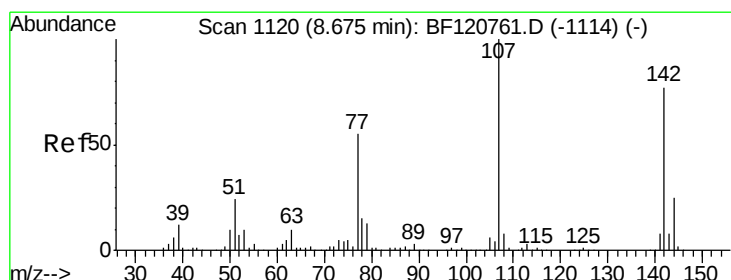
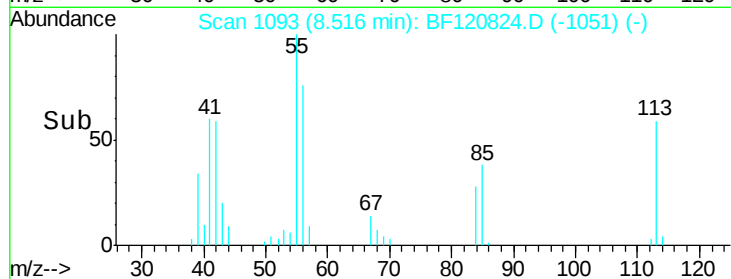
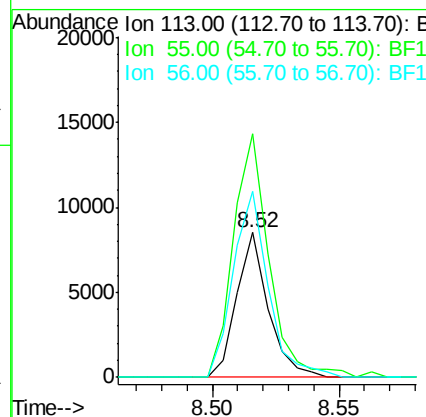
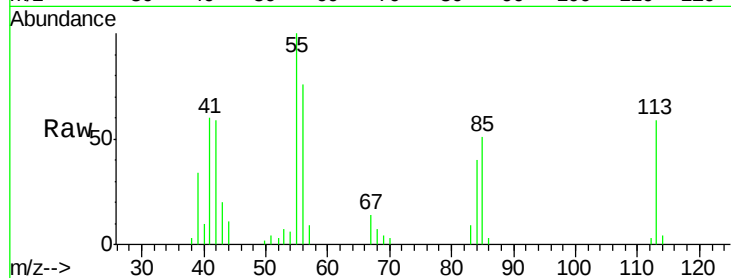
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	113	Resp:	7402
Ion Ratio	Lower	Upper	
113	100		
55	168.6	168.3	208.3
56	128.6	118.8	158.8

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#36

4-Chloro-3-methylphenol

Concen: 3.122 ng

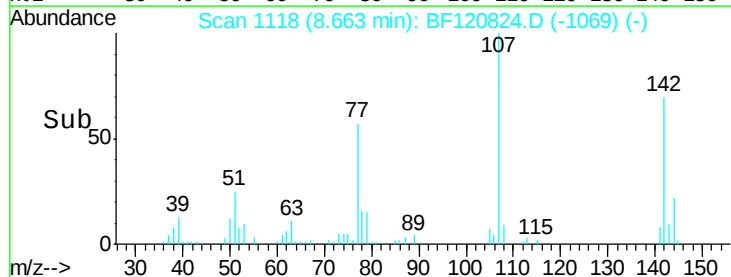
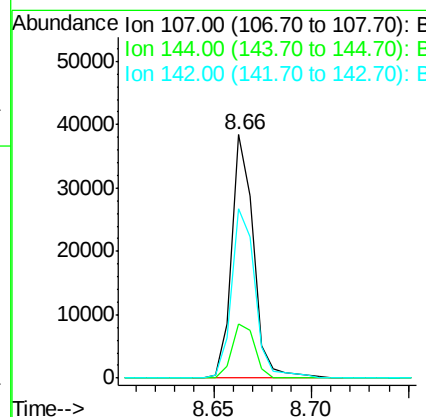
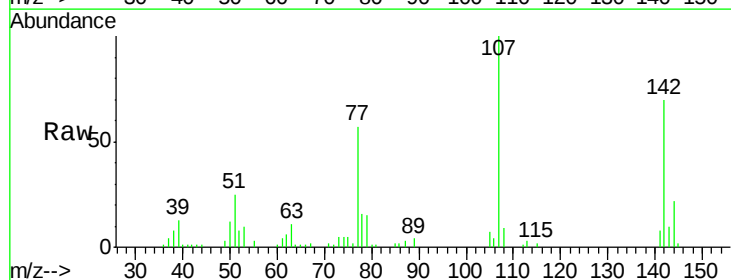
RT: 8.66 min Scan# 1118

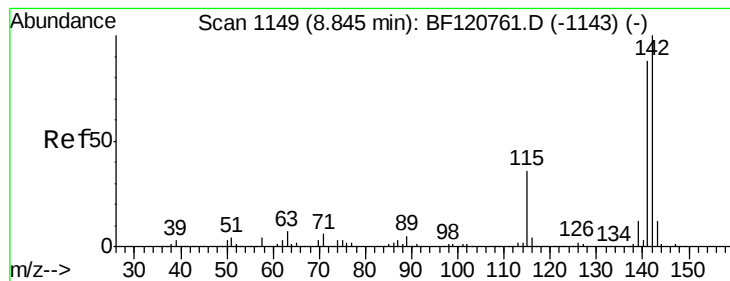
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	107	Resp:	30005
Ion Ratio	Lower	Upper	
107	100		
144	22.2	19.7	29.5
142	69.6	61.2	91.8





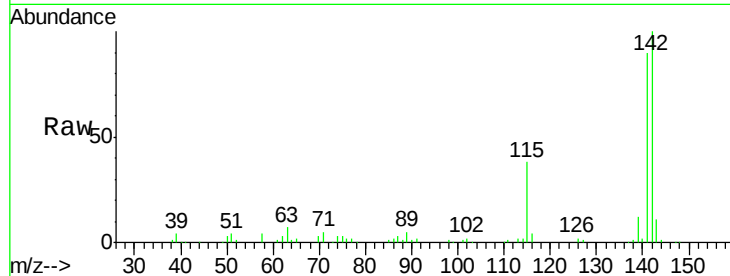
#37
2-Methylnaphthalene
Concen: 3.583 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

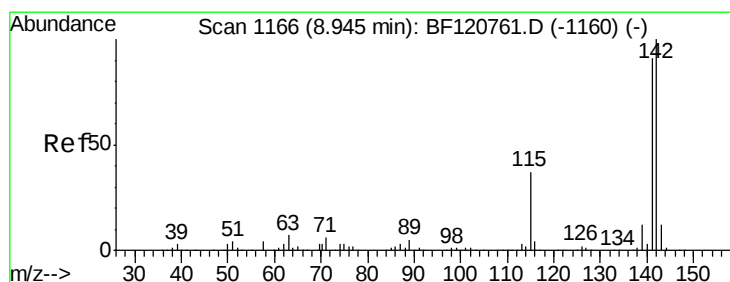
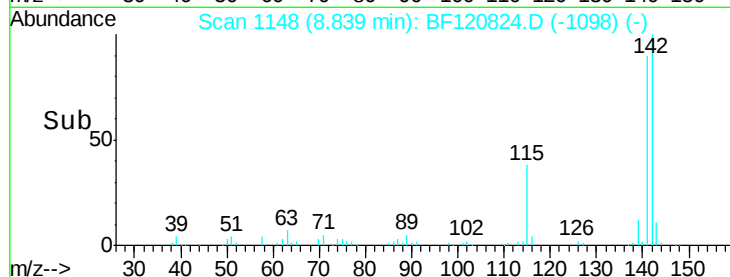
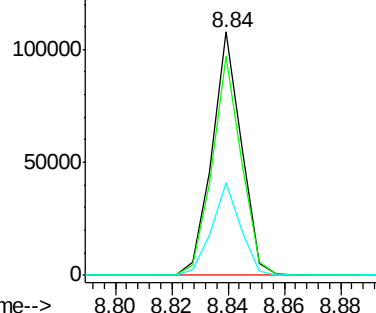
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.2	105.4
115	38.3	29.0	43.4

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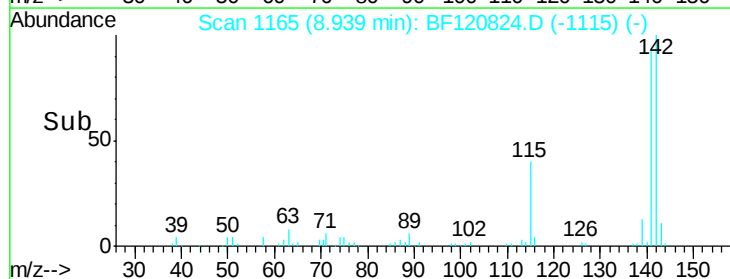
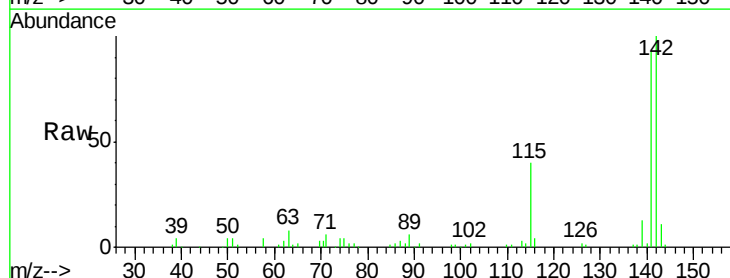
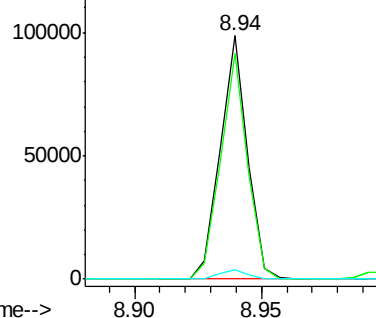
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

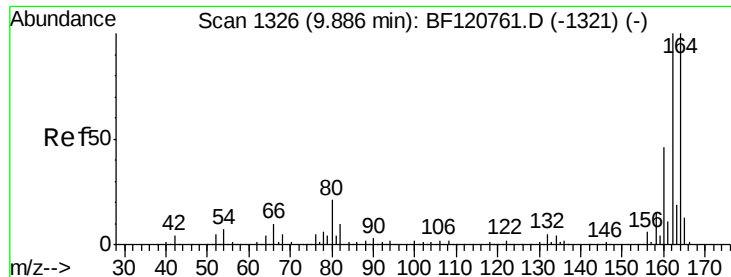


#38
1-Methylnaphthalene
Concen: 3.609 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.5	108.7
116	3.9	3.1	4.7

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





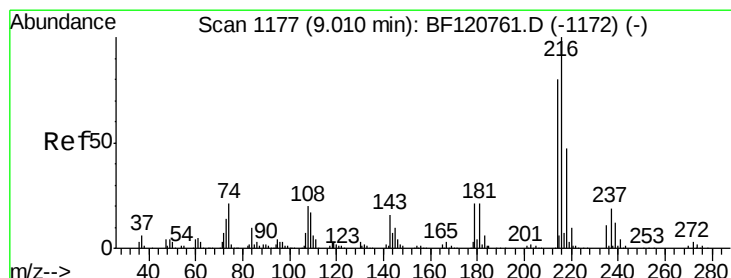
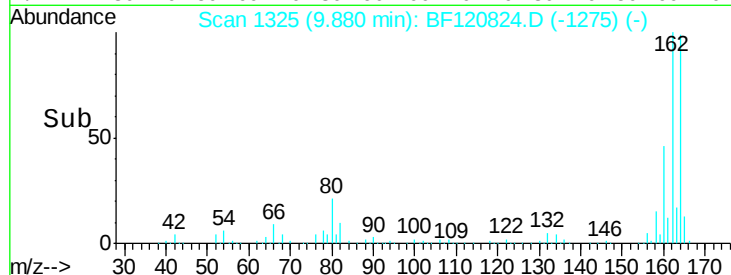
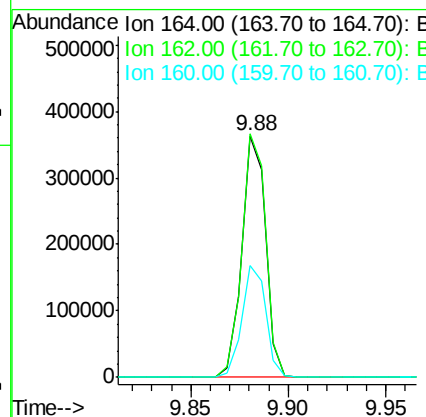
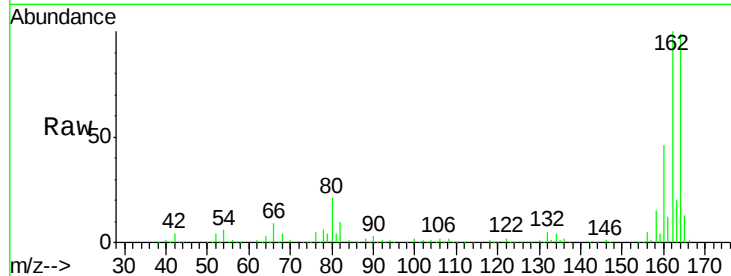
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	46.3	36.9	55.3

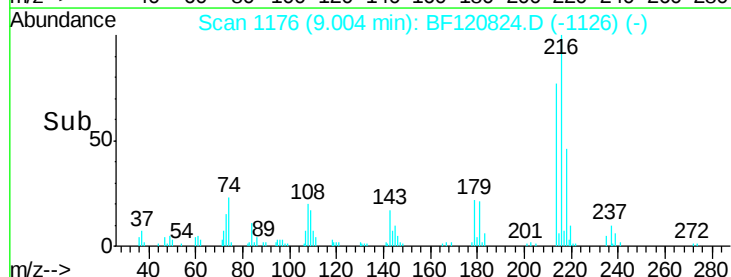
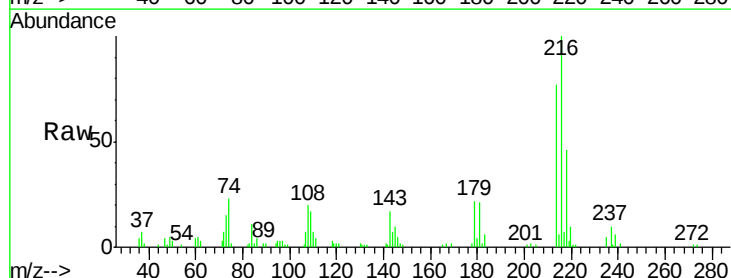
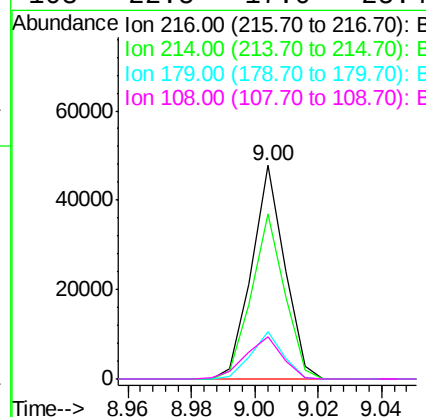
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.742 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.0	63.7	95.5
179	21.5	16.7	25.1
108	22.5	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 2.568 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

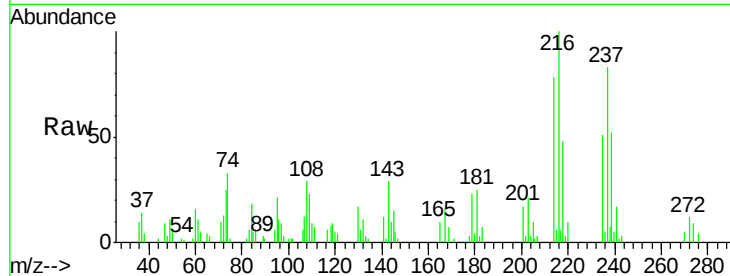
ClientSampleId :

MDL-SOIL-03-QT3-2020

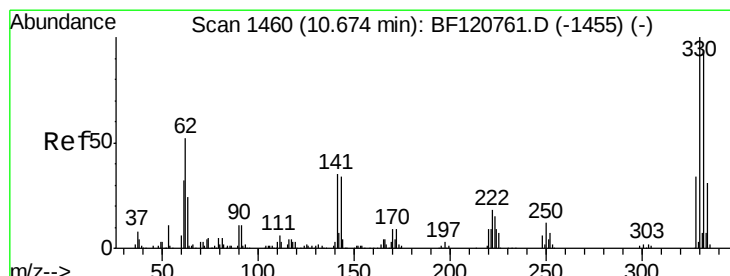
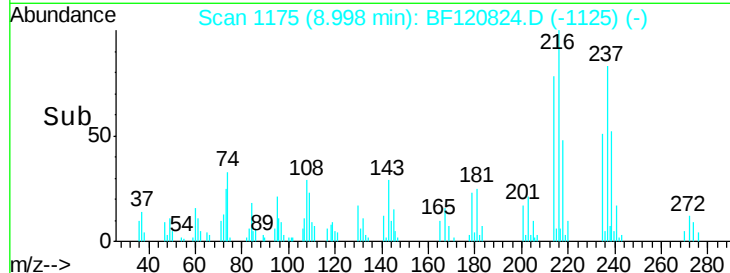
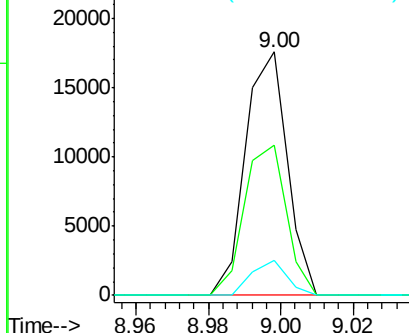
Tot Ion:	237	Resp:	14051
Ion Ratio	Lower	Upper	
237	100		
235	61.5	42.1	82.1
272	14.1	0.0	33.4

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



#42

2,4,6-Tribromophenol

Concen: 139.139 ng

RT: 10.67 min Scan# 1460

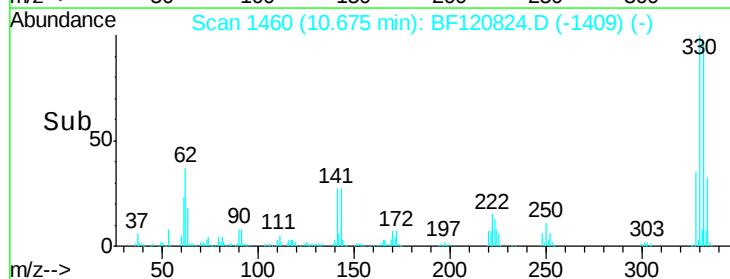
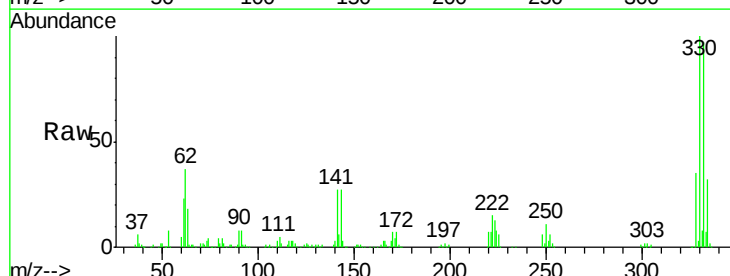
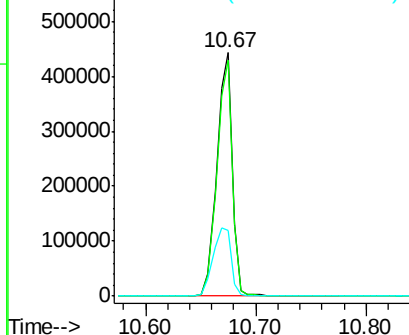
Delta R.T. 0.00 min

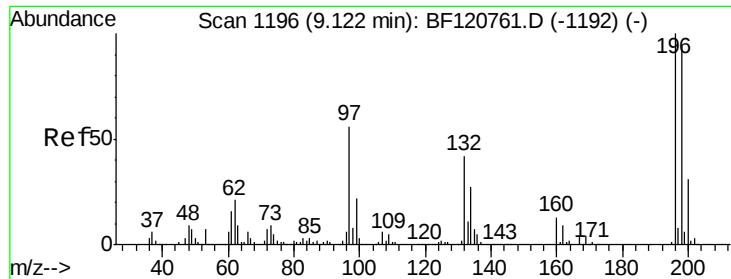
Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	330	Resp:	428276
Ion Ratio	Lower	Upper	
330	100		
332	96.6	75.8	113.6
141	33.1	29.7	44.5

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





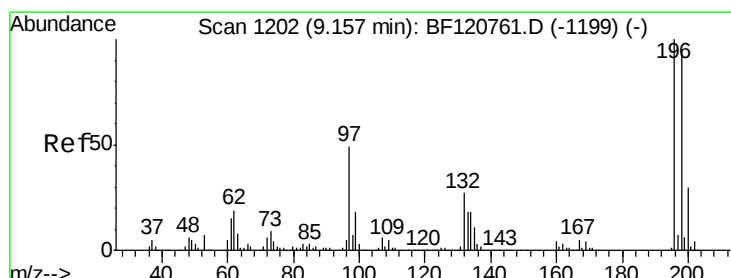
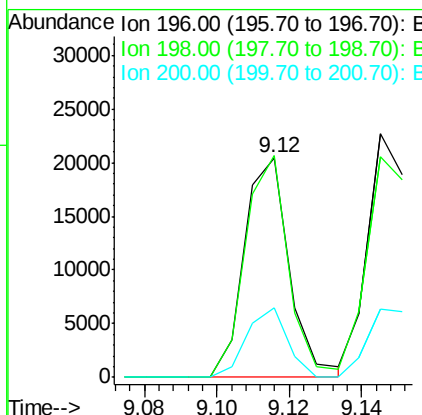
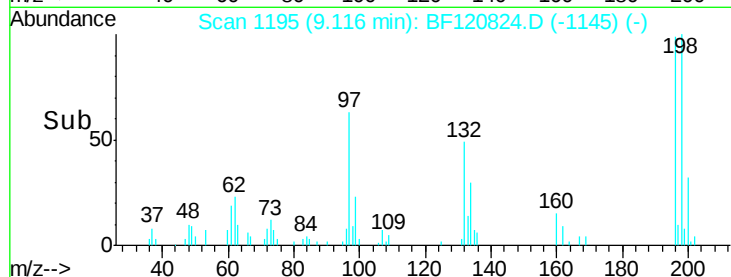
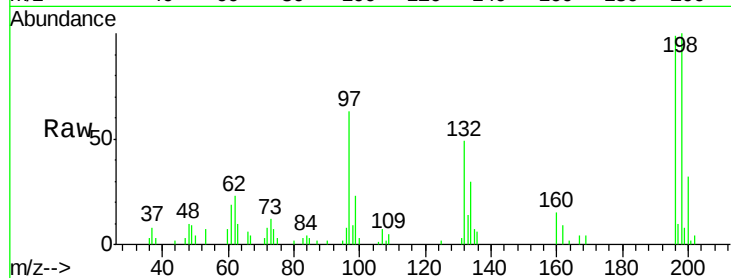
#43
 2,4,6-Trichlorophenol
 Concen: 2.833 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion:	196	Resp:	17873
Ion Ratio	Lower	Upper	
196	100		
198	101.2	75.3	112.9
200	32.0	24.4	36.6

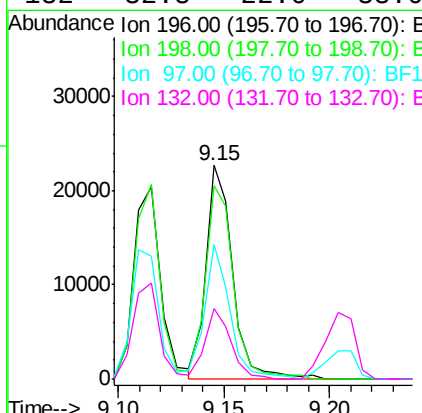
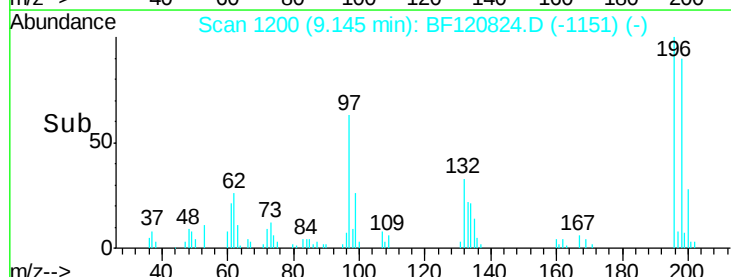
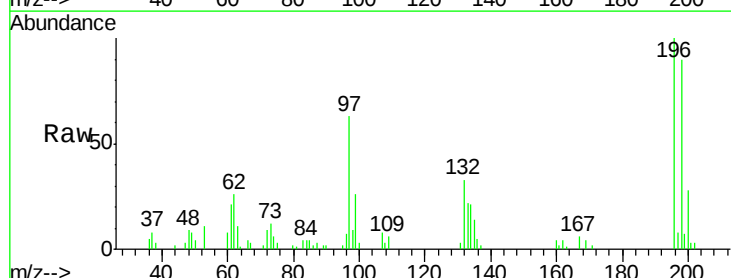
Manual Integrations
 APPROVED

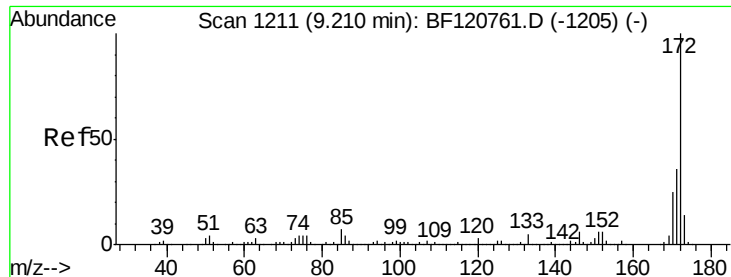
mohammad
 7/13/2020 1:04:25 PM



#44
 2,4,5-Trichlorophenol
 Concen: 2.862 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:	196	Resp:	20044
Ion Ratio	Lower	Upper	
196	100		
198	90.4	76.2	114.2
97	63.1	39.6	59.4
132	32.8	22.0	33.0





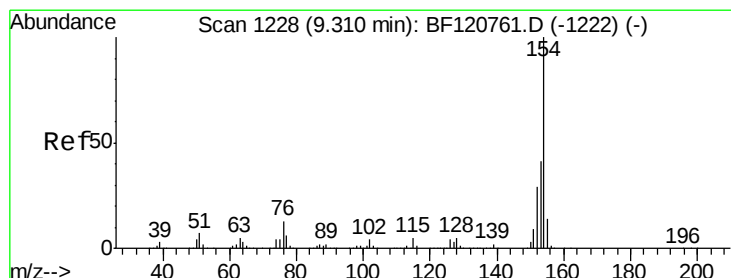
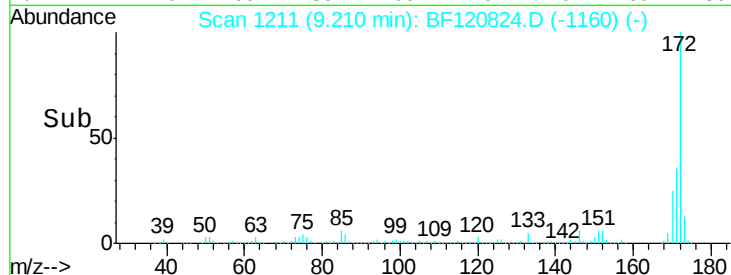
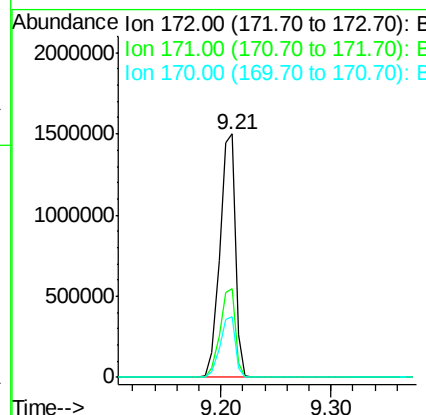
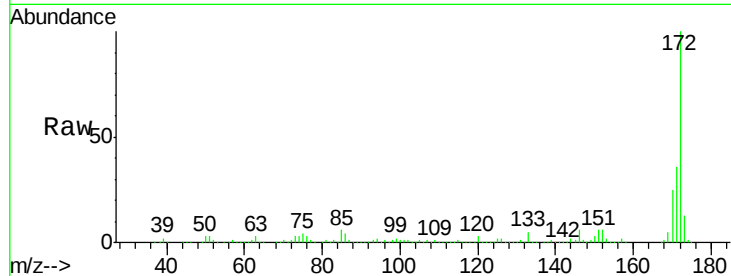
#45
2-Fluorobiphenyl
Concen: 71.746 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	24.8	19.8	29.6

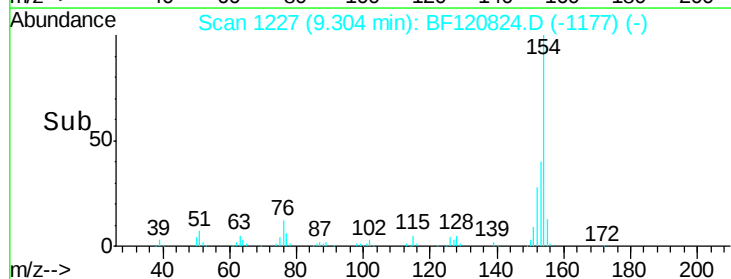
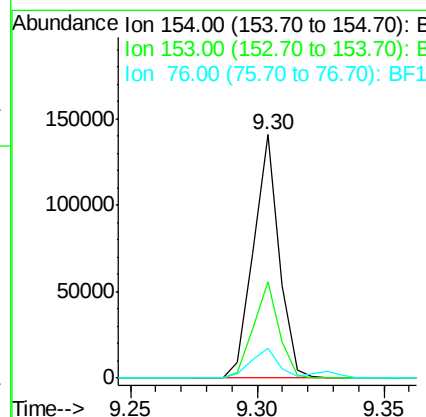
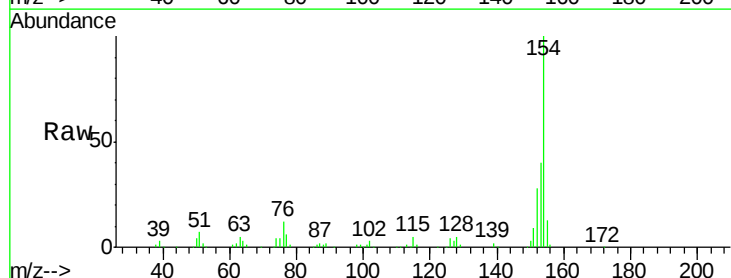
Manual Integrations
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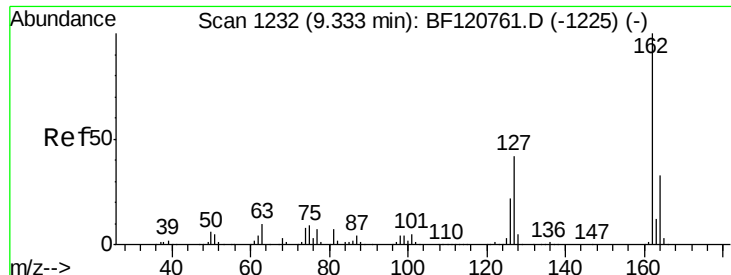
mohammad
7/13/2020 1:04:25 PM



#46
1,1'-Biphenyl
Concen: 4.010 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.7	60.7
76	12.2	0.0	33.3





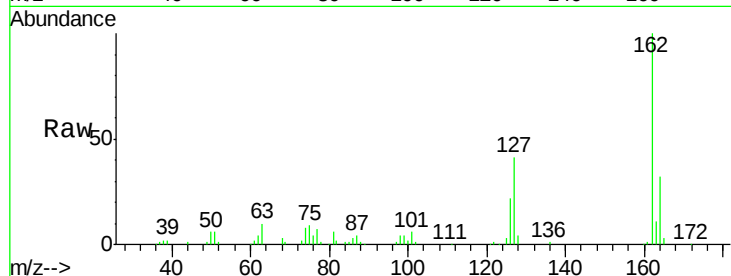
#47
2-Chloronaphthalene
Concen: 3.507 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

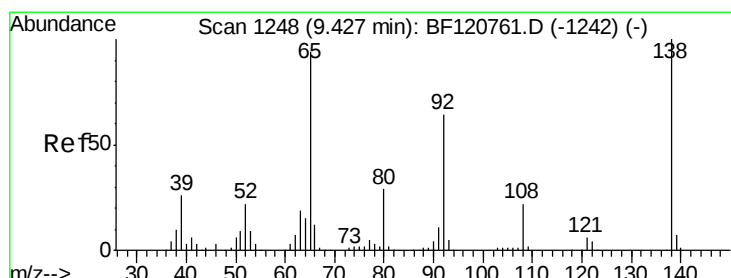
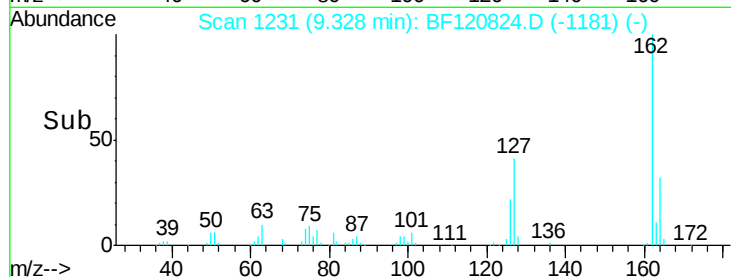
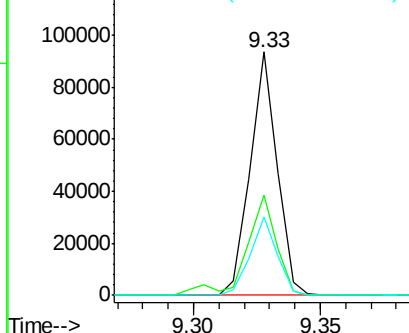
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.7	50.5
164	32.2	26.4	39.6

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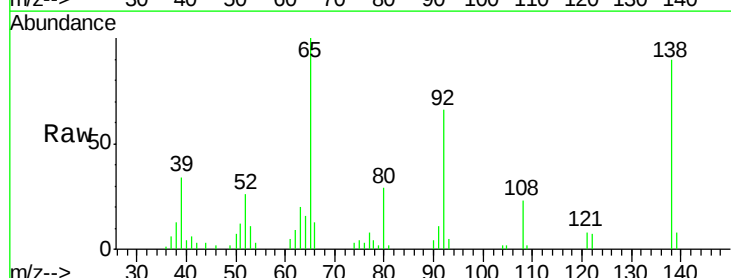


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

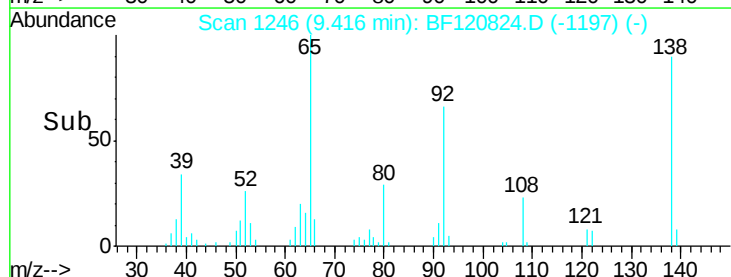
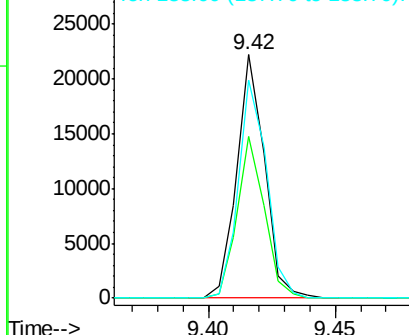


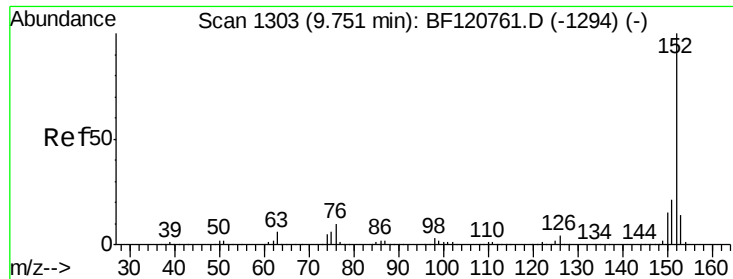
#48
2-Nitroaniline
Concen: 3.194 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.2	54.4	81.6
138	89.7	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





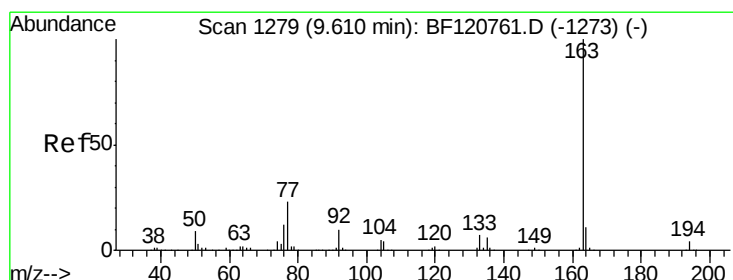
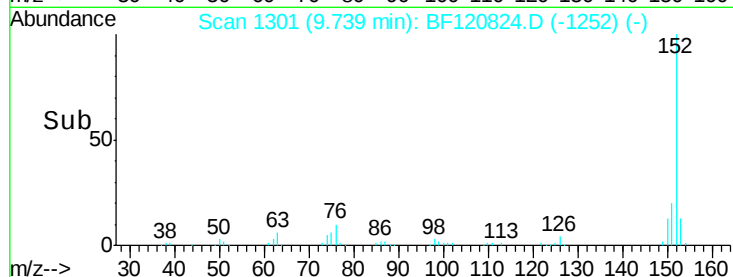
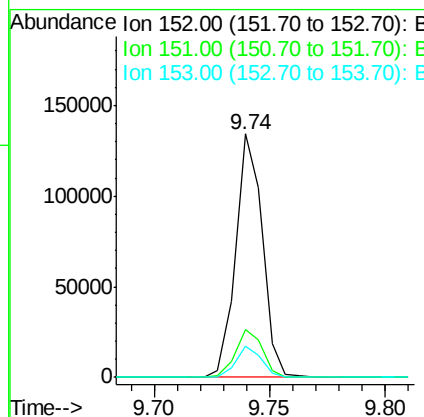
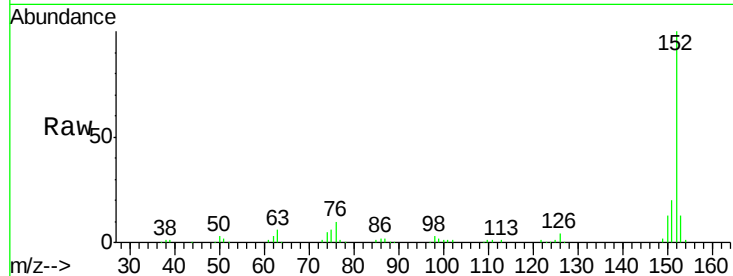
#49
Acenaphthylene
Concen: 3.472 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
152	100	107784		
151	19.7		16.9	25.3
153	13.0		10.8	16.2

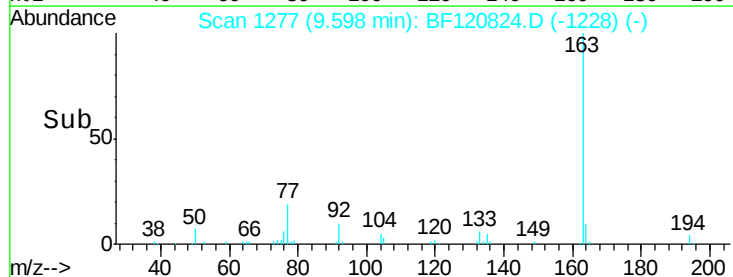
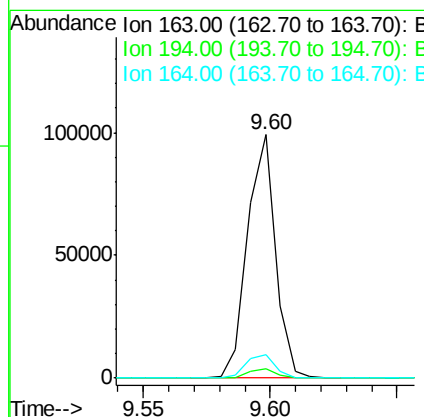
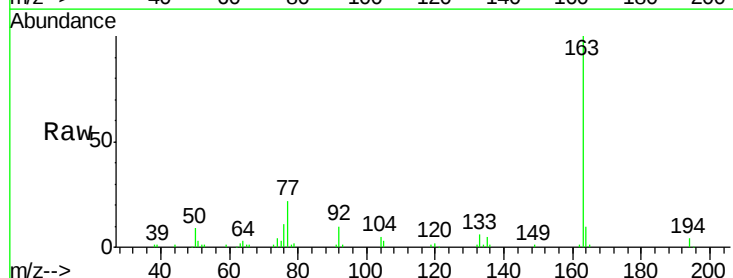
Manual Integrations
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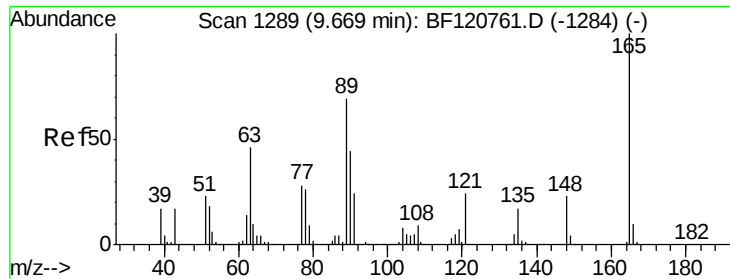
mohammad
7/13/2020 1:04:25 PM



#50
Dimethylphthalate
Concen: 3.403 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	76055		
194	3.8		2.9	4.3
164	9.7		8.5	12.7





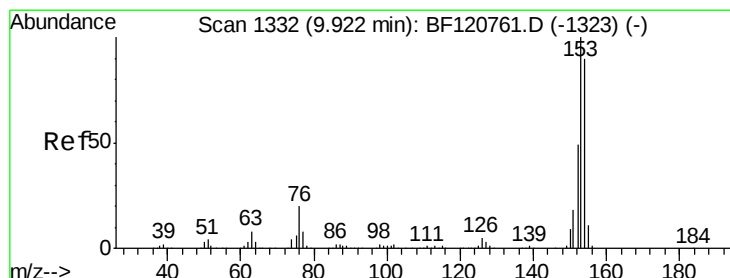
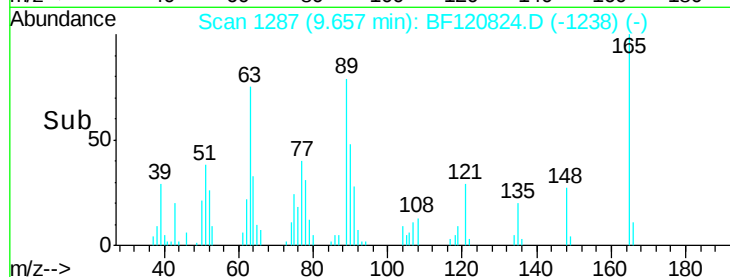
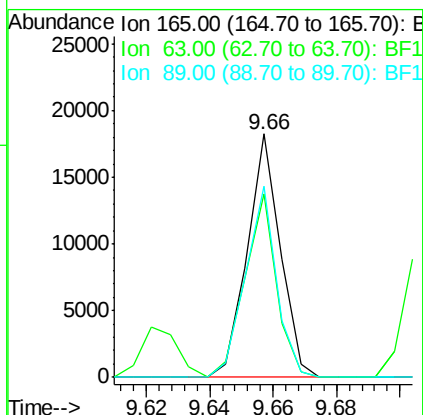
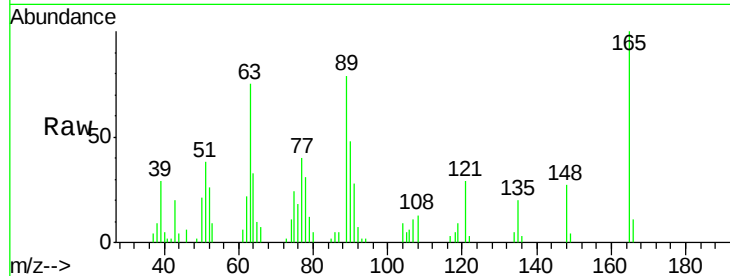
#51
2,6-Dinitrotoluene
Concen: 3.253 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	75.3	54.0	81.0	
89	78.7	55.4	83.2	

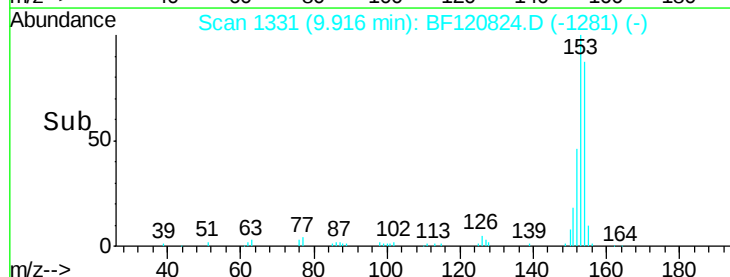
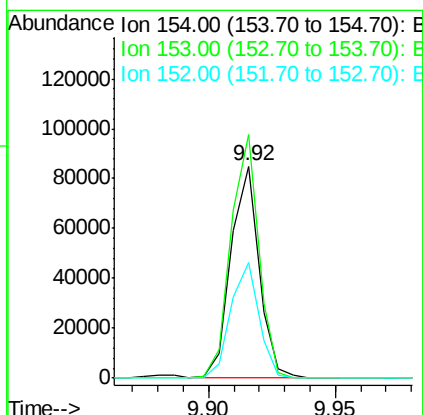
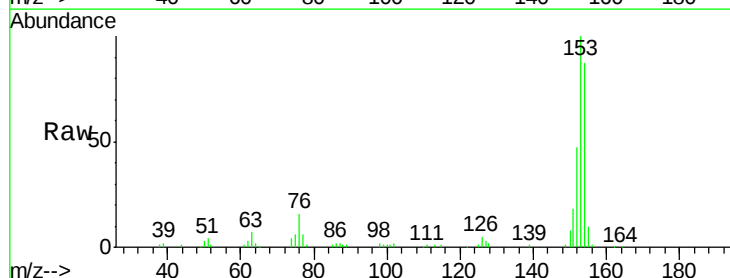
Manual Integrations
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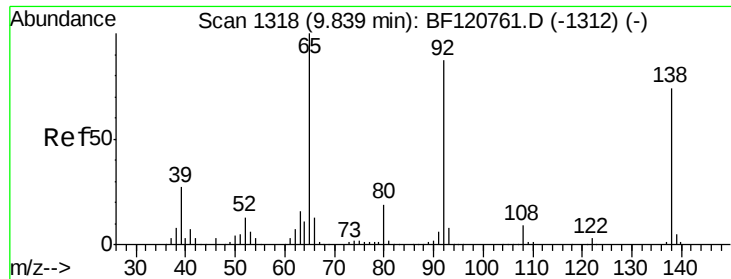
mohammad
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#52
Acenaphthene
Concen: 3.411 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.0	88.6	132.8	
152	54.4	43.6	65.4	





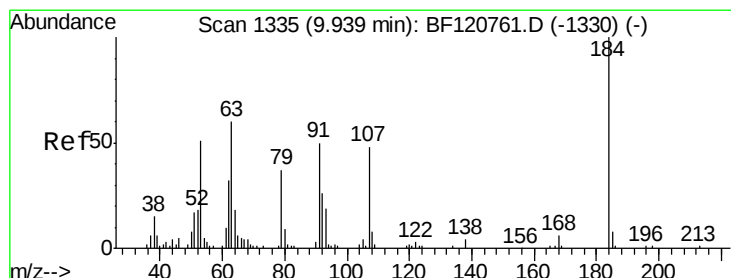
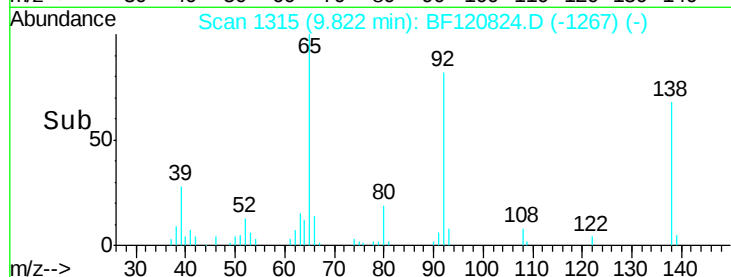
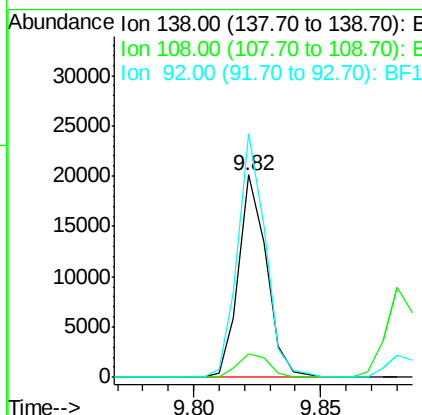
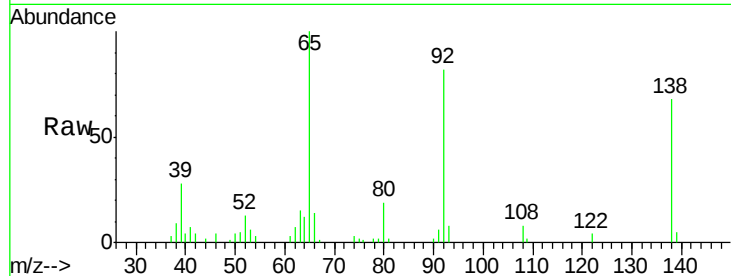
#53
3-Nitroaniline
Concen: 3.087 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.8	14.6
92	120.4	93.4	140.2

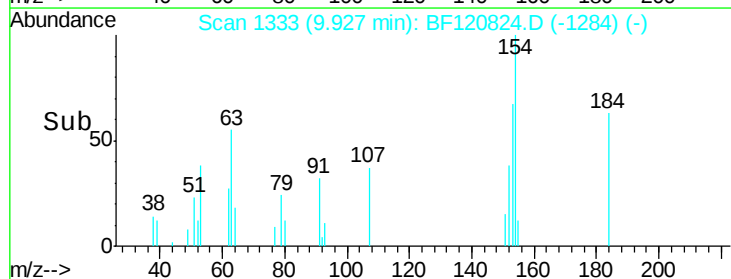
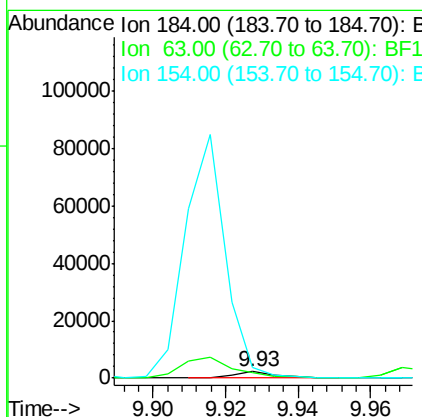
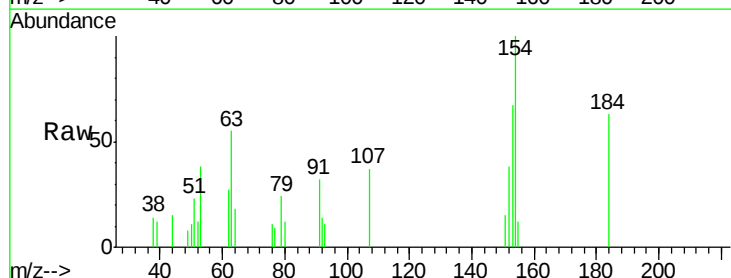
Manual Integrations
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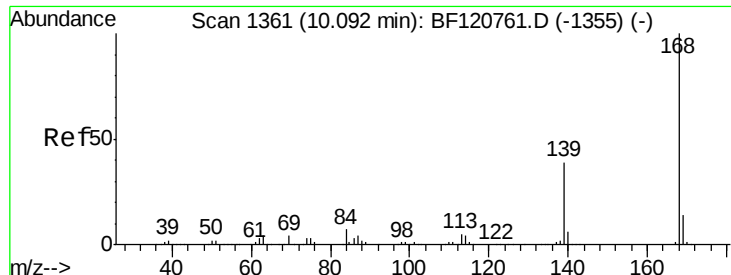
mohammad
7/13/2020 1:04:25 PM



#54
2,4-Dinitrophenol
Concen: 1.241 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
184	100		
63	86.5	57.3	85.9#
154	157.5	55.8	83.6#





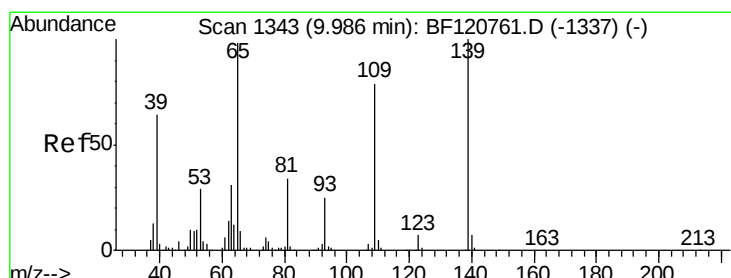
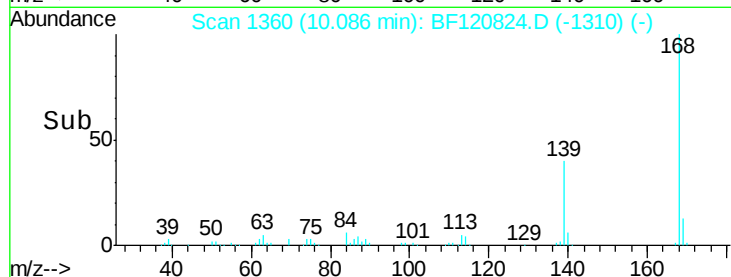
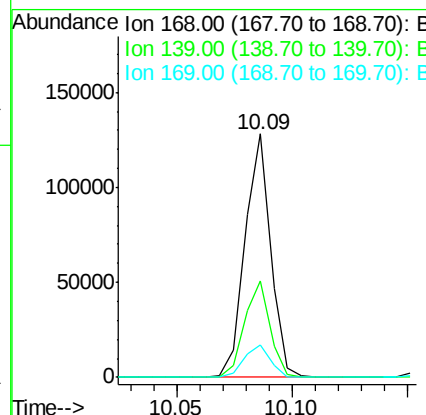
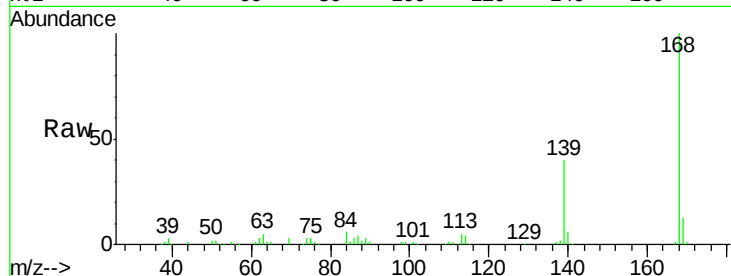
#55
Dibenzenofuran
Concen: 3.582 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.3	46.9
169	13.3	11.2	16.8

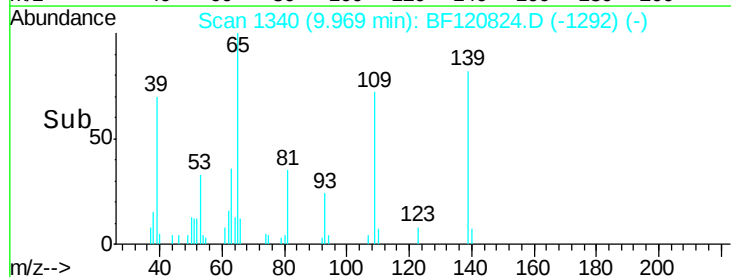
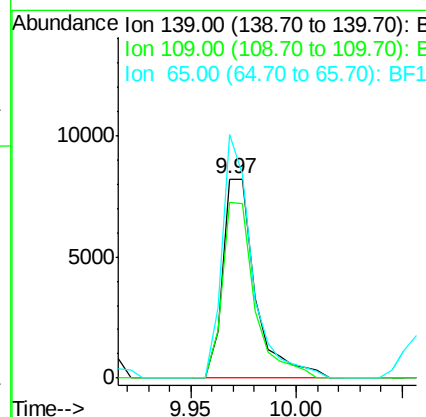
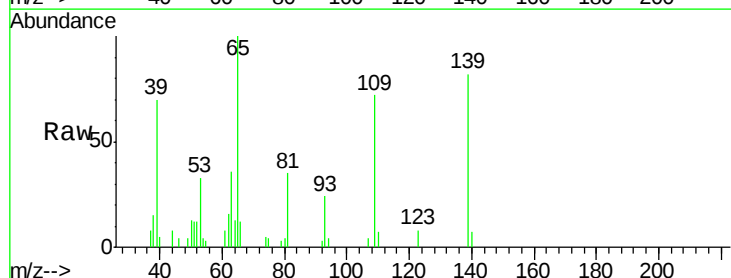
Manual Integrations
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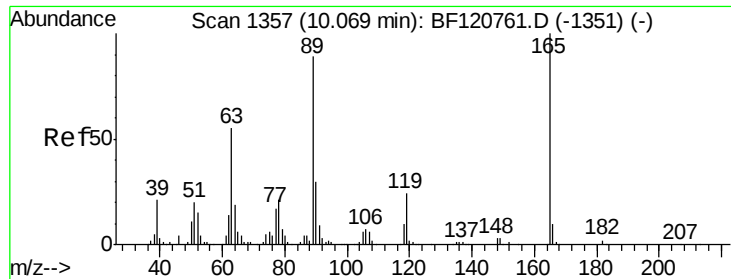
mohammad
7/13/2020 1:04:25 PM



#56
4-Nitrophenol
Concen: 2.406 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
139	100		
109	88.1	58.6	98.6
65	122.4	78.7	118.7#





#57

2,4-Dinitrotoluene

Concen: 3.069 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:165 Resp: 14879

Ion Ratio Lower Upper

165 100

63 56.8 43.8 65.8

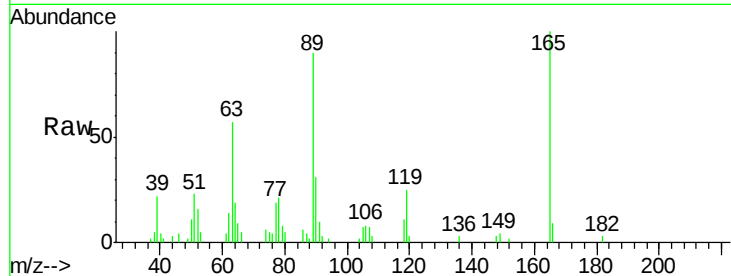
89 90.1 71.4 107.2

182 2.5 1.8 2.6

Manual Integrations
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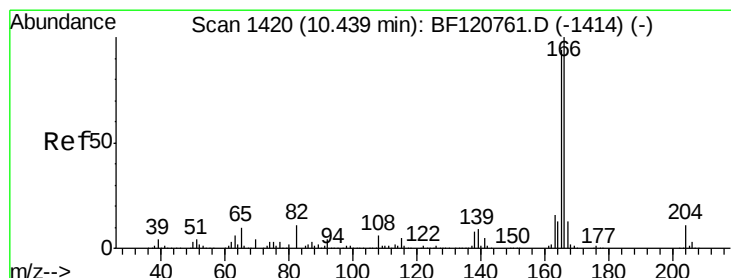
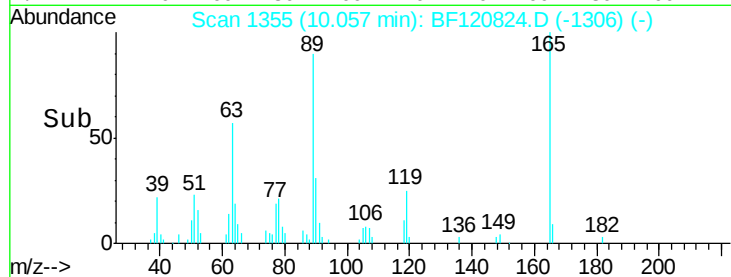
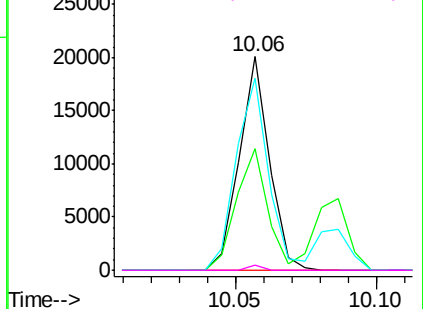


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.584 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:166 Resp: 74048

Ion Ratio Lower Upper

166 100

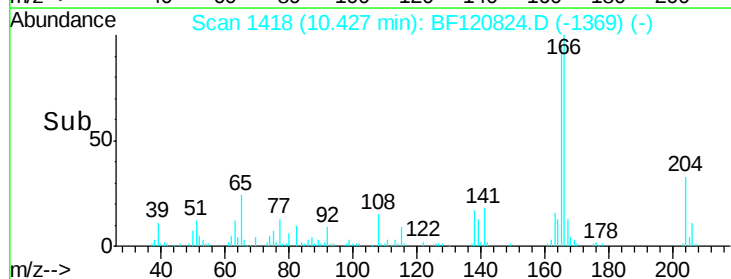
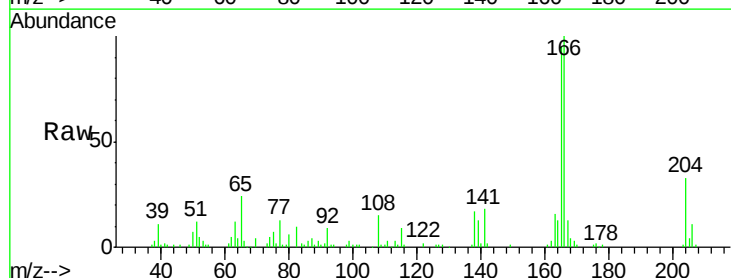
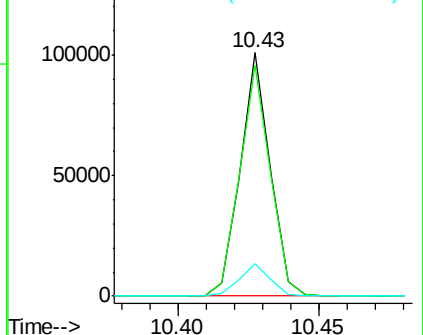
165 94.9 75.5 113.3

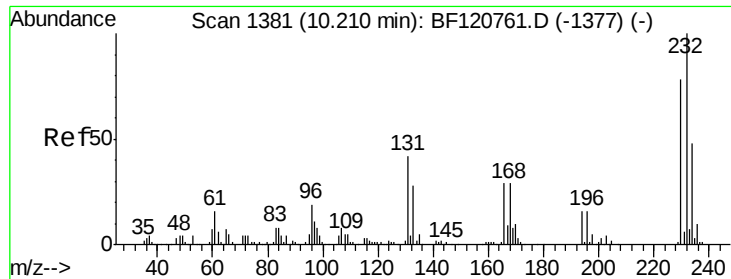
167 13.3 10.6 16.0

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





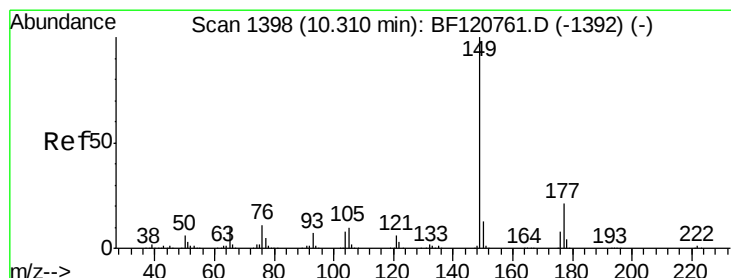
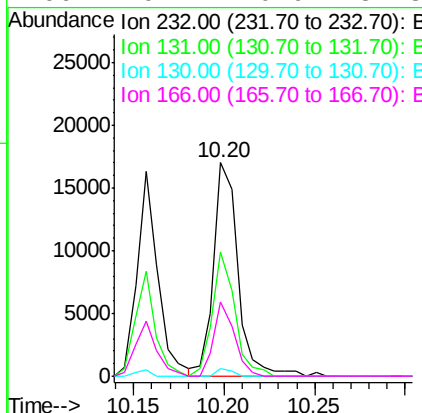
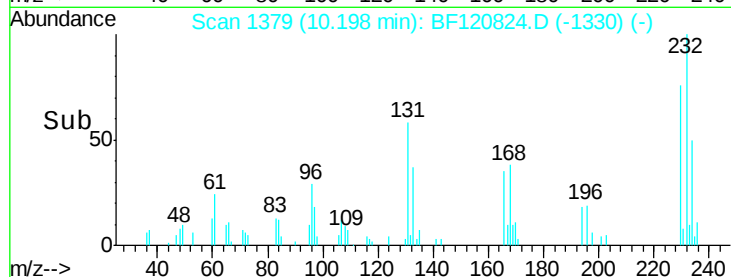
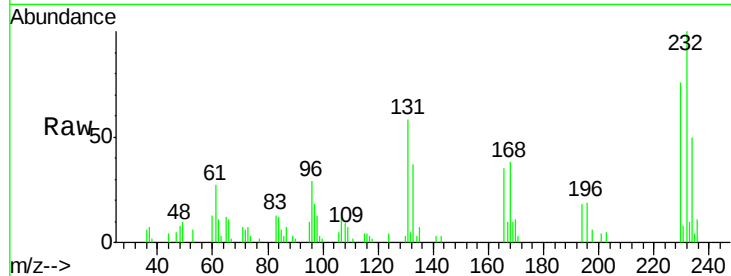
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.076 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	232	Resp:	16026
Ion Ratio	Lower	Upper	
232	100		
131	52.9	36.3	54.5
130	2.1	2.0	3.0
166	29.4	20.9	31.3

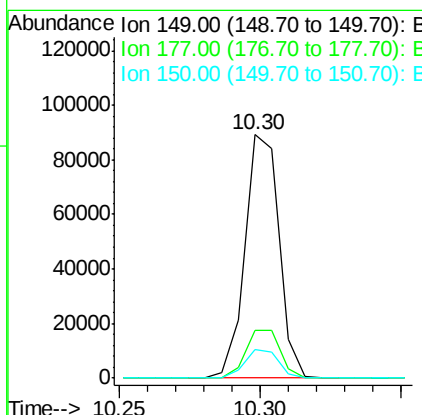
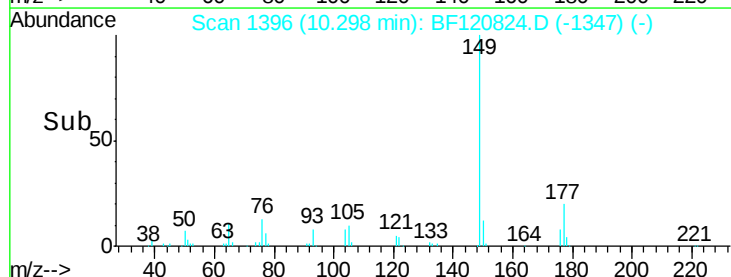
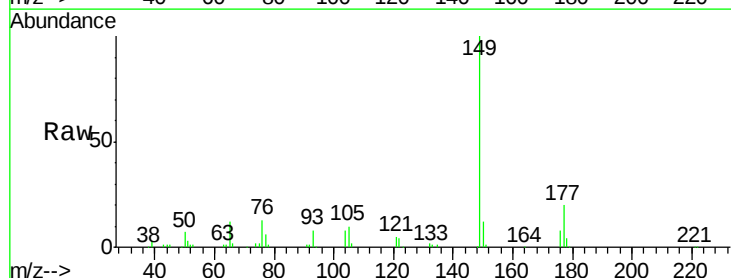
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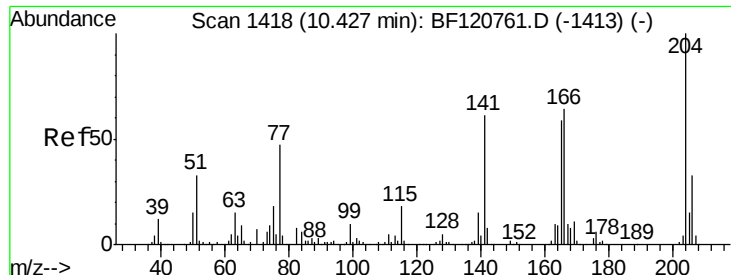
mohammad
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#60
Diethylphthalate
Concen: 3.215 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:	149	Resp:	74847
Ion Ratio	Lower	Upper	
149	100		
177	19.7	16.4	24.6
150	12.0	10.2	15.4





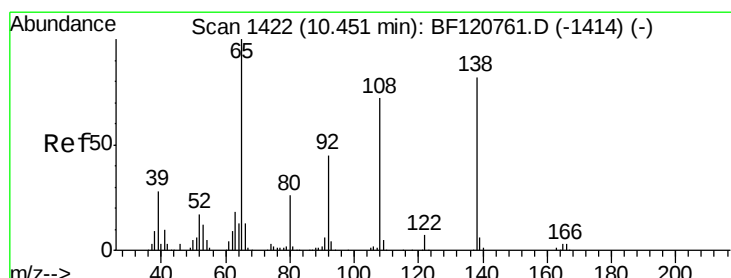
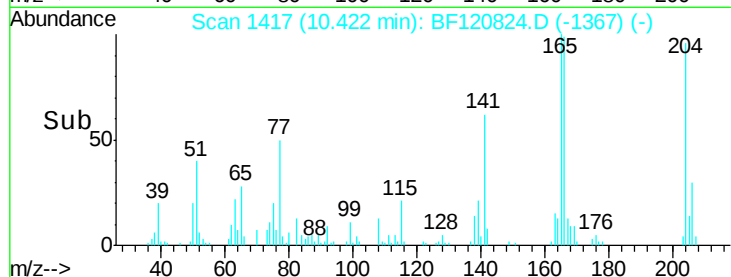
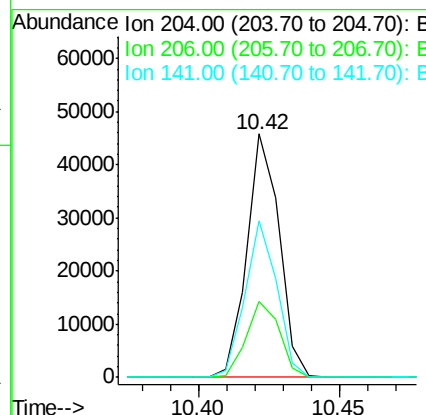
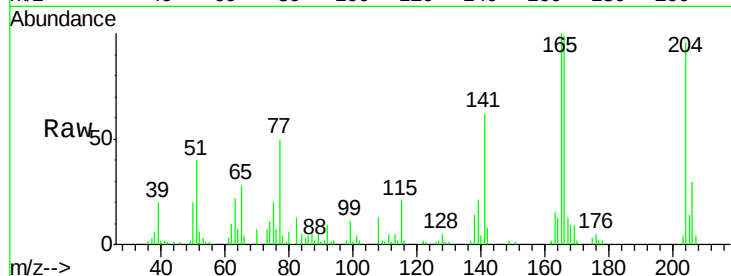
#61
 4-Chlorophenyl-phenylether
 Concen: 3.515 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.2	26.7	40.1
141	64.3	48.5	72.7

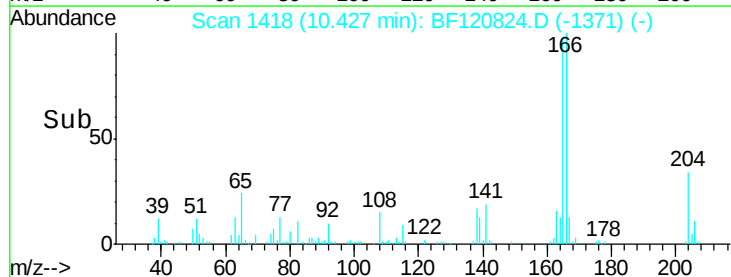
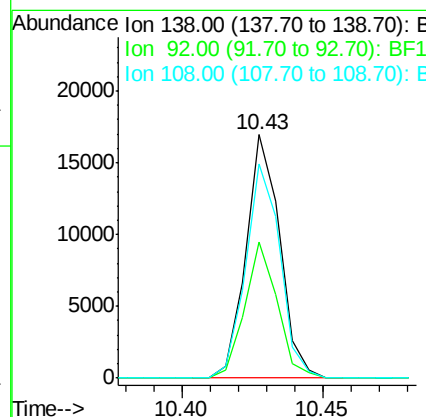
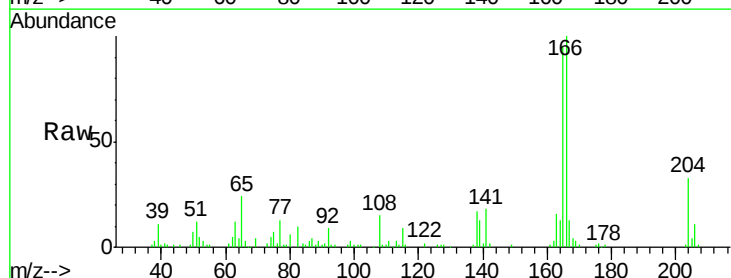
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#62
 4-Nitroaniline
 Concen: 2.970 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.0	34.3	74.3
108	88.0	68.3	108.3





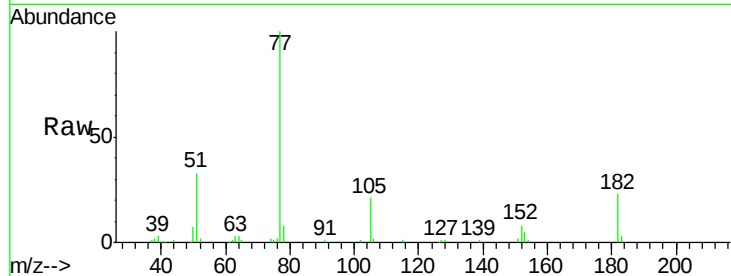
#63
Azobenzene
Concen: 3.379 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

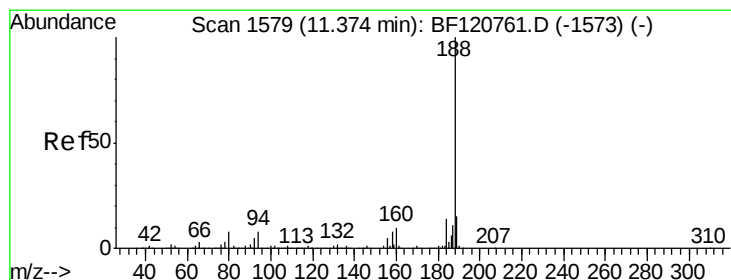
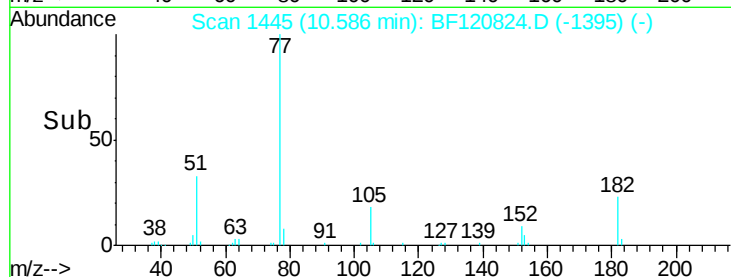
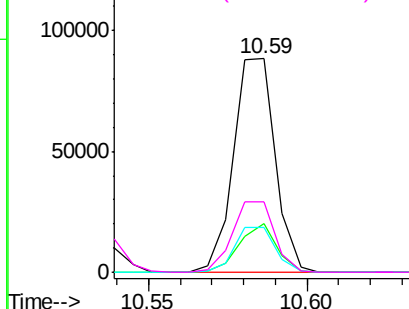
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.8	4.0	44.0	
105	21.0	2.6	42.6	
51	33.2	11.5	51.5	

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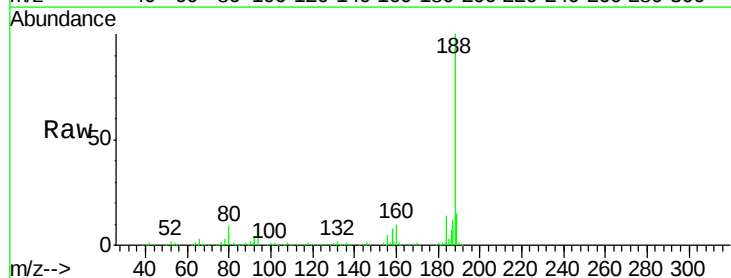


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

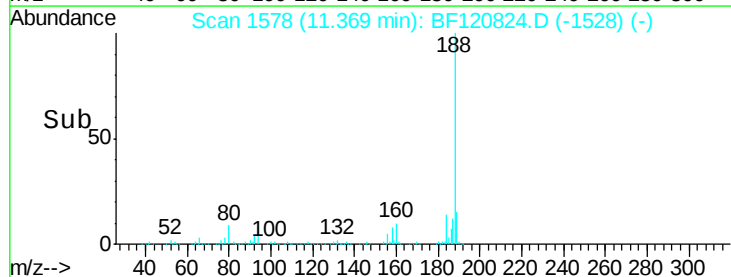
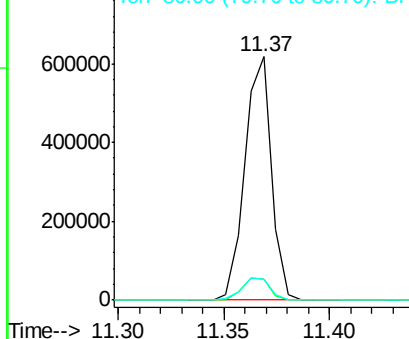


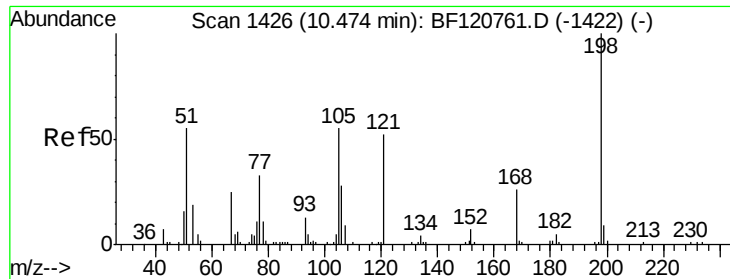
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.5	6.6	9.8	
80	8.6	6.6	10.0	



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





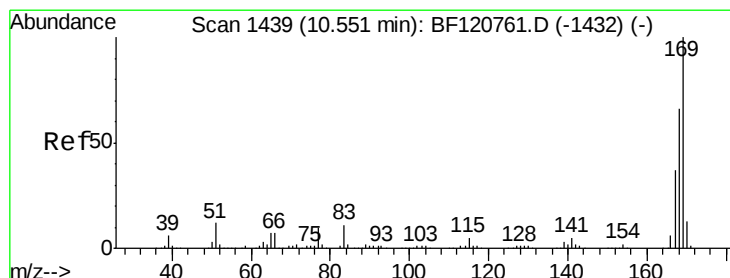
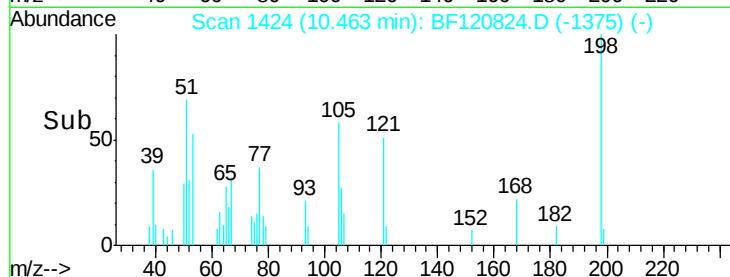
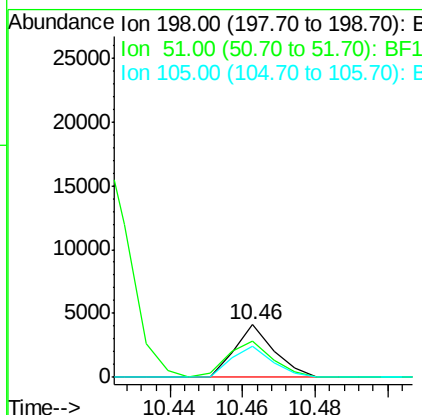
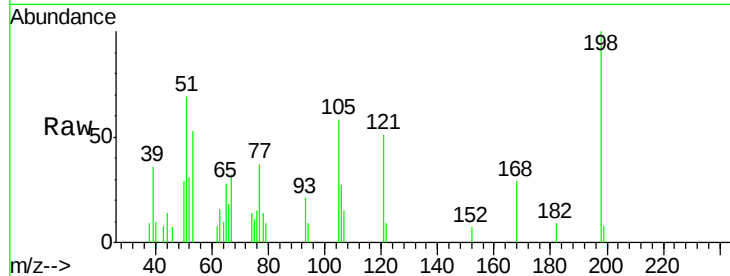
#65
4,6-Dinitro-2-methylphenol
Concen: 1.802 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
198	100		
51	69.2	50.0	90.0
105	57.9	38.3	78.3

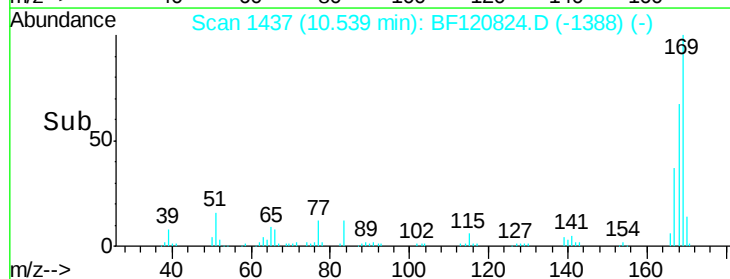
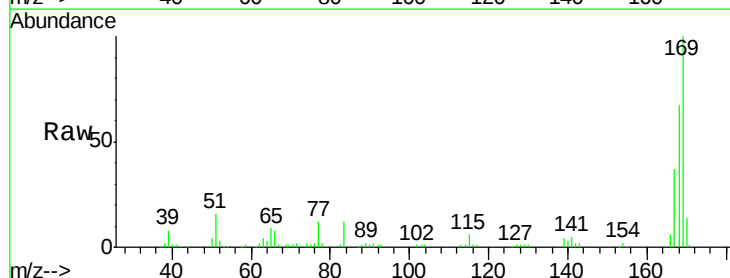
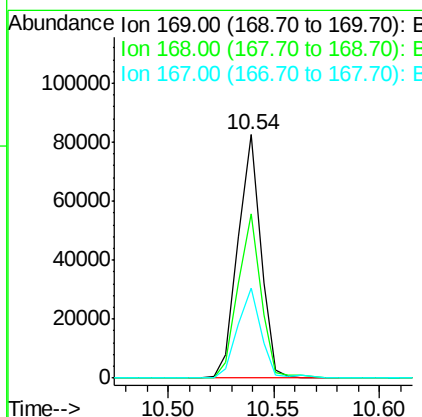
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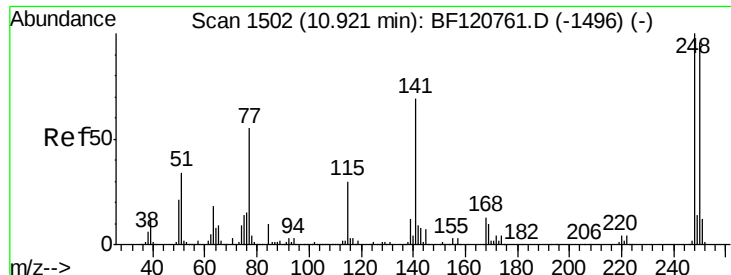
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#66
n-Nitrosodiphenylamine
Concen: 3.412 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.1	79.7
167	37.1	29.6	44.4





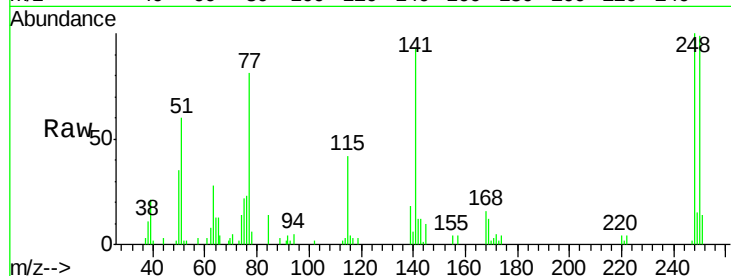
#67
 4-Bromophenyl-phenylether
 Concen: 3.069 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

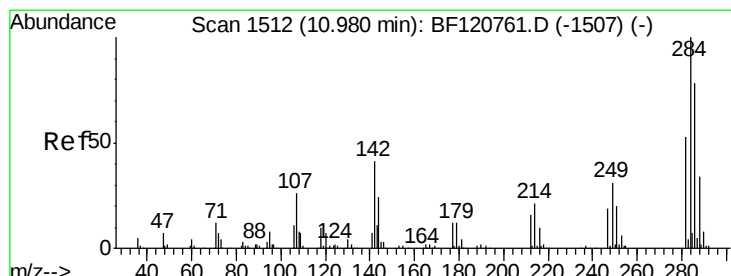
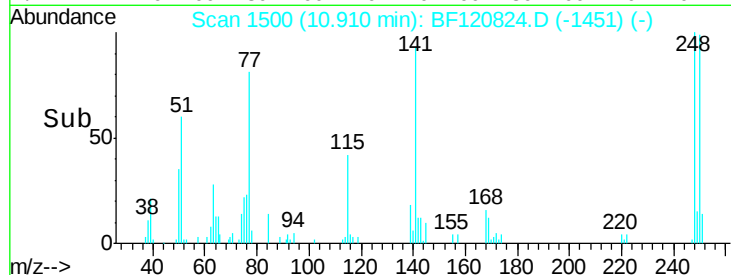
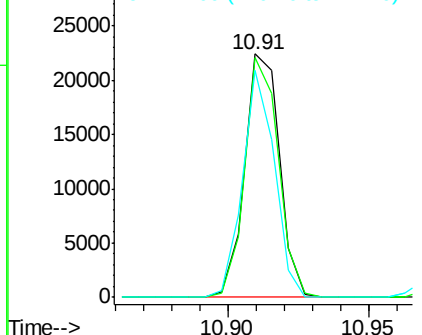
Tot Ion	Ratio	Lower	Upper
248	100		
250	98.5	76.5	114.7
141	93.0	54.9	82.3#

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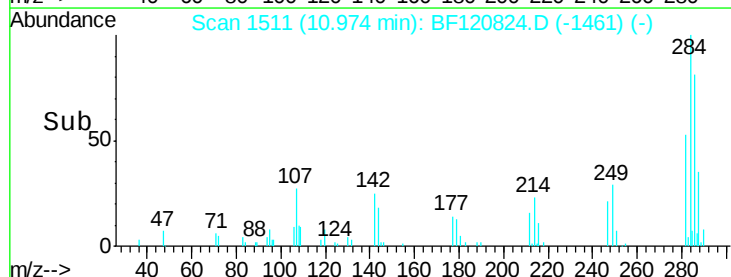
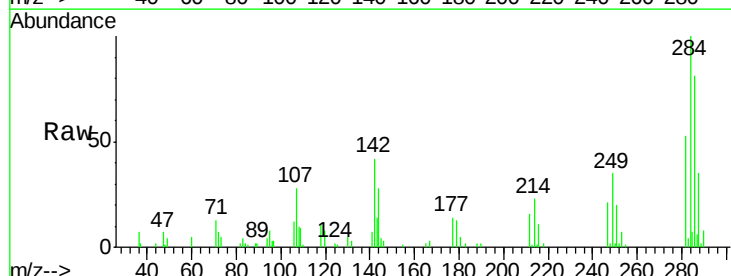
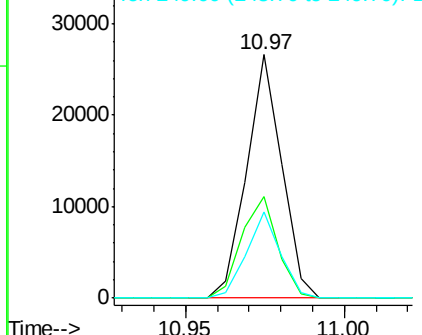
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

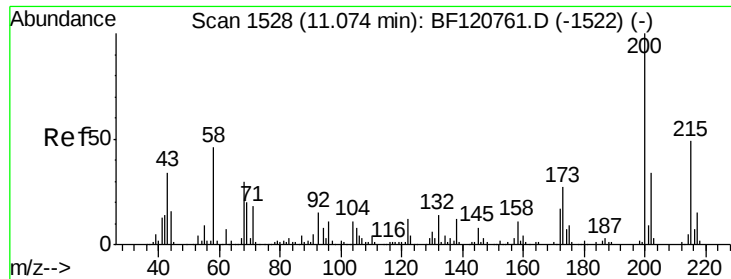


#68
 Hexachlorobenzene
 Concen: 3.112 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.8	32.5	48.7
249	35.2	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





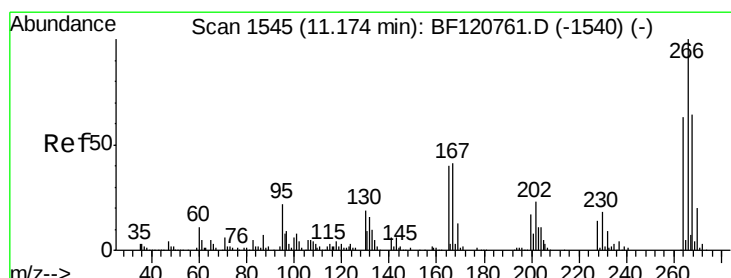
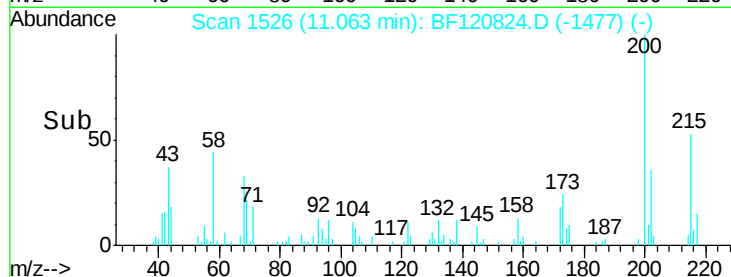
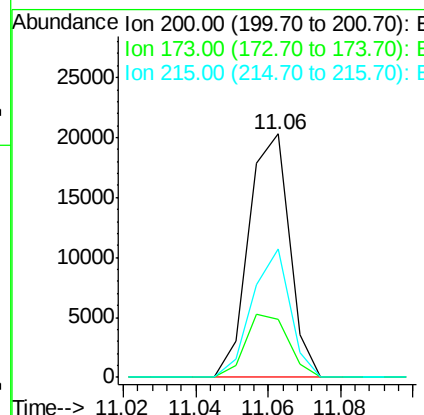
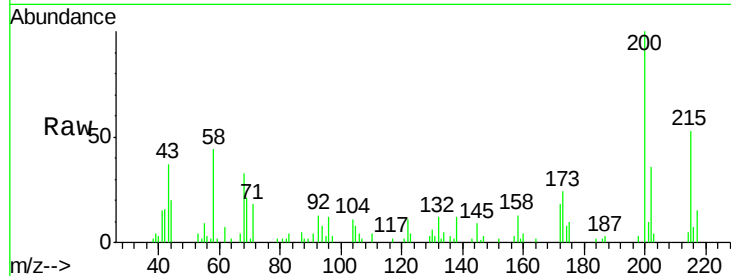
#69
 Atrazine
 Concen: 3.393 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.8	7.4	47.4
215	52.7	28.8	68.8

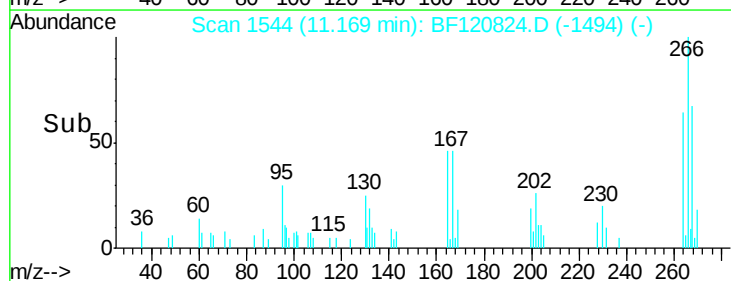
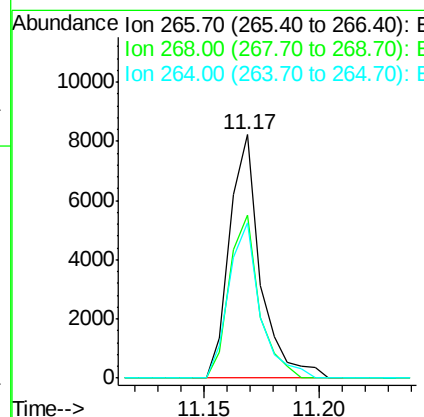
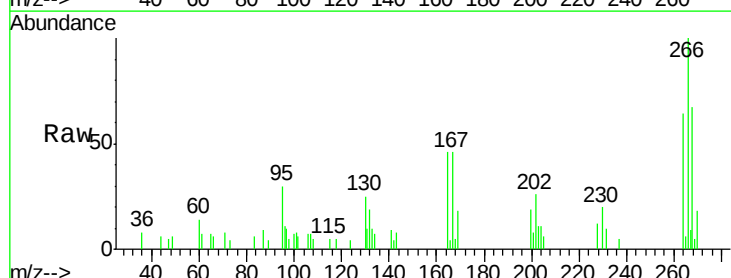
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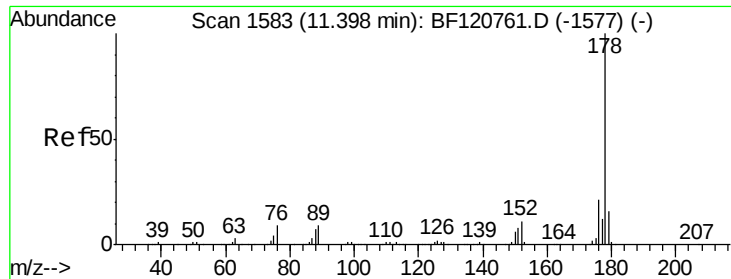
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#70
 Pentachlorophenol
 Concen: 2.054 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
266	100		
268	71.8	51.4	77.2
264	69.9	50.6	75.8





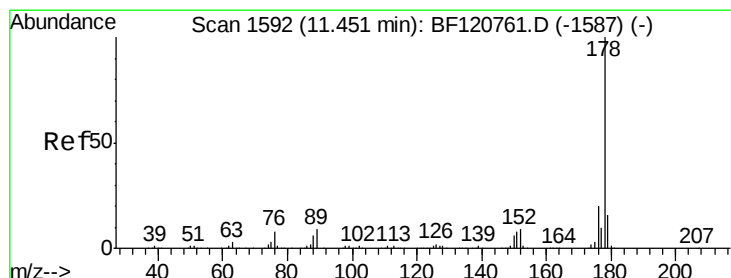
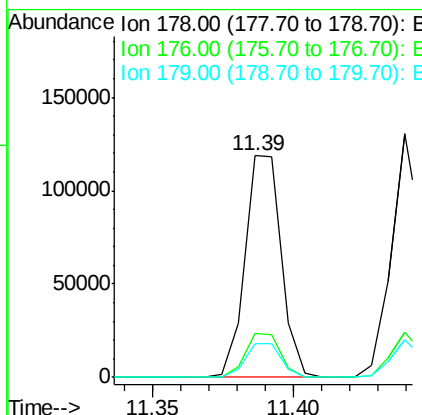
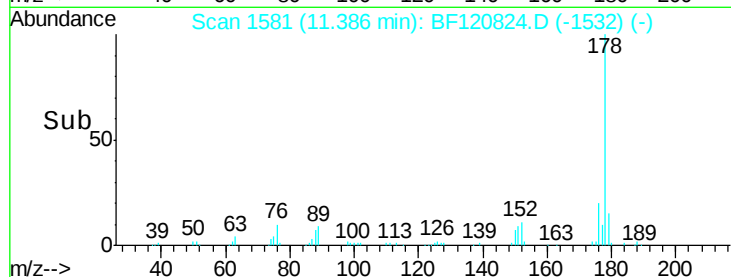
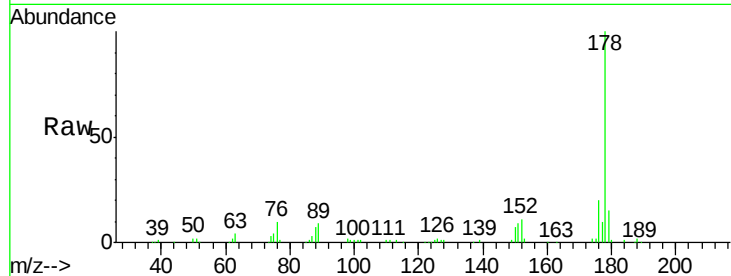
#71
Phenanthrene
Concen: 3.614 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.4	24.6
179	15.2	12.9	19.3

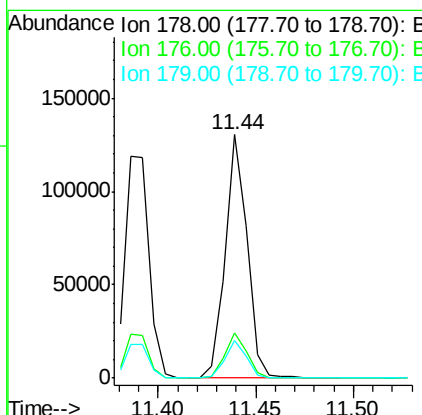
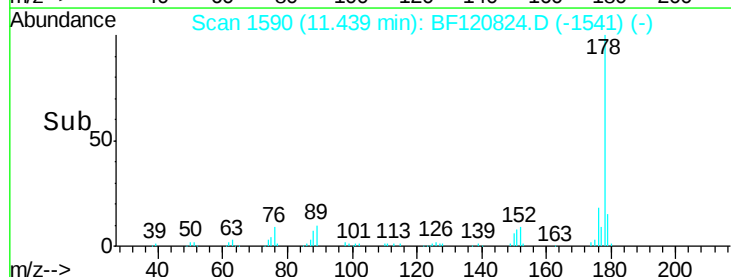
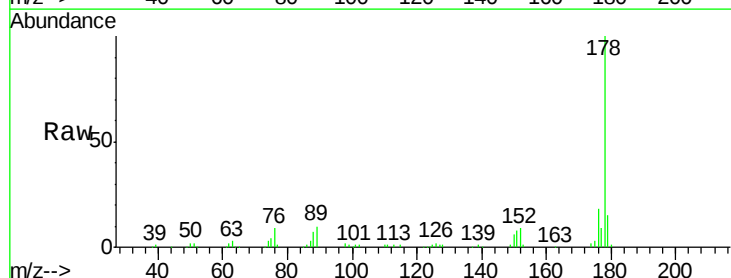
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#72
Anthracene
Concen: 3.436 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.2
179	15.2	12.7	19.1





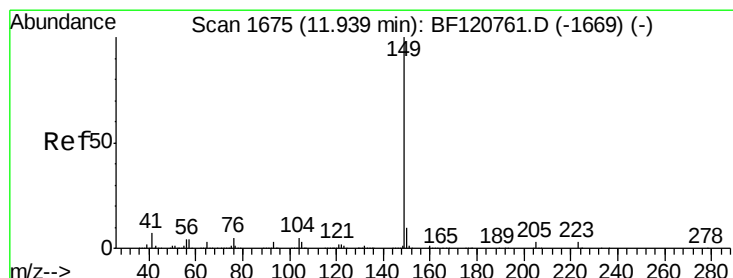
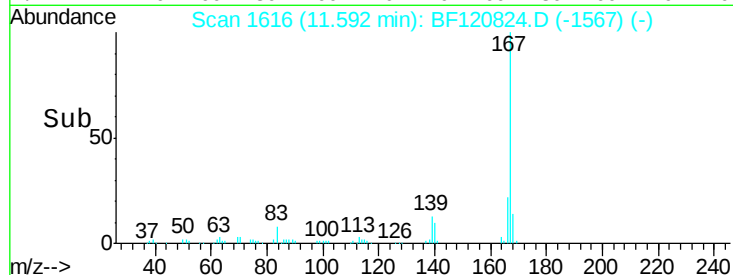
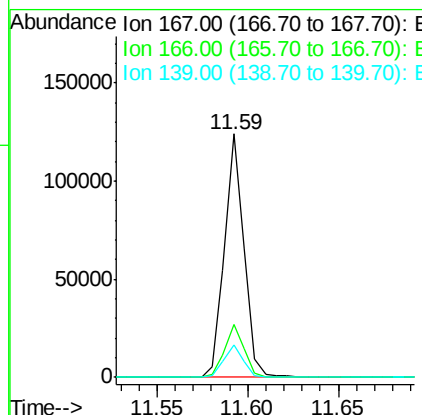
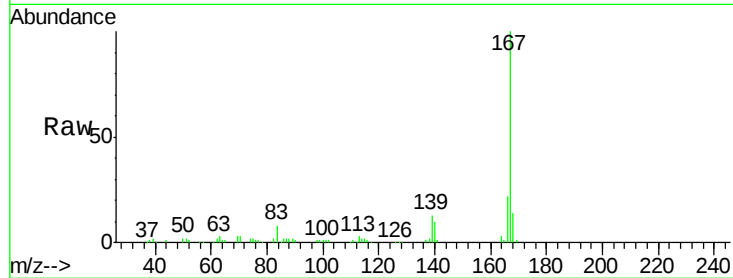
#73
 Carbazole
 Concen: 3.265 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	13.4	10.7	16.1

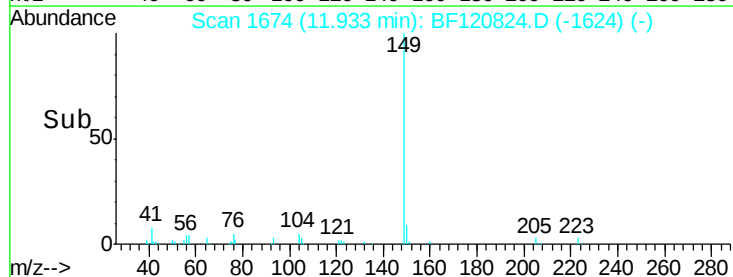
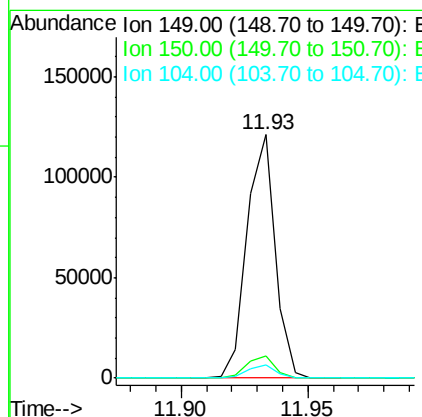
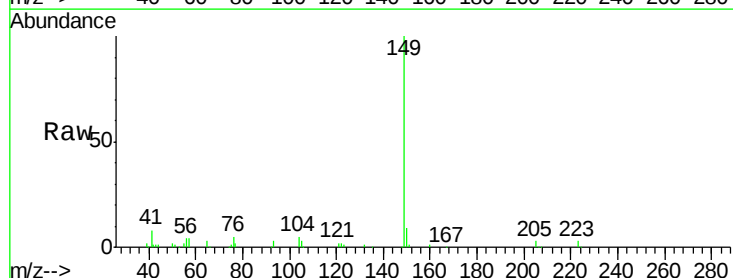
Manual Integrations
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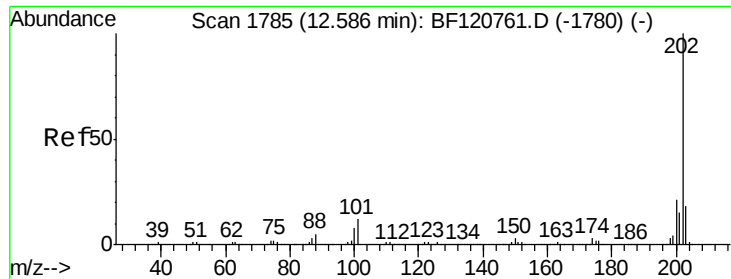
mohammad
 7/13/2020 1:04:25 PM



#74
 Di-n-butylphthalate
 Concen: 2.675 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	5.4	4.0	6.0





#75

Fluoranthene

Concen: 3.193 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

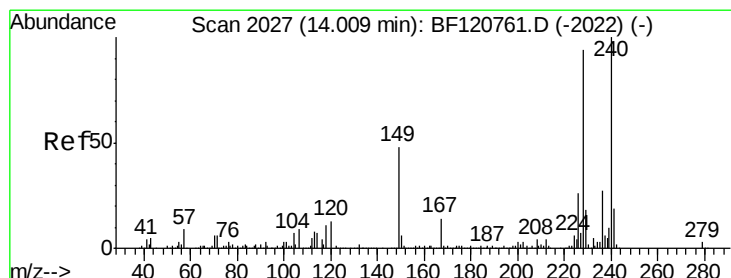
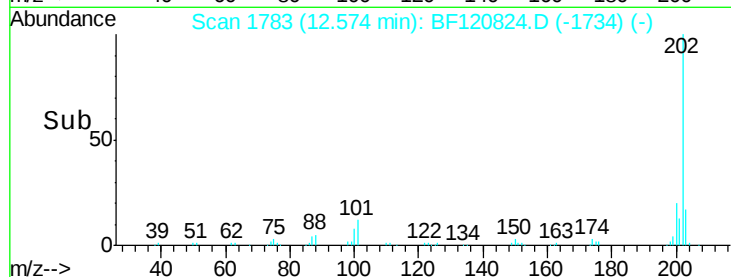
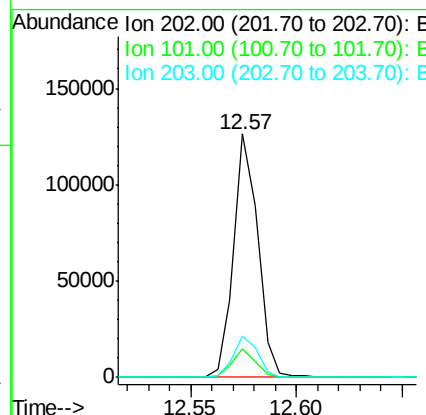
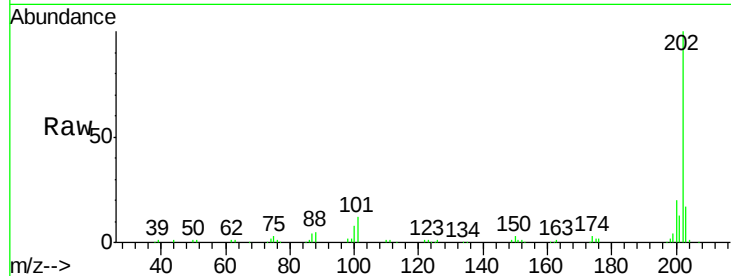
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:	202	Resp:	99564
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.6
203	17.1	0.0	38.2

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#76

Chrysene-d12

Concen: 20.000 ng

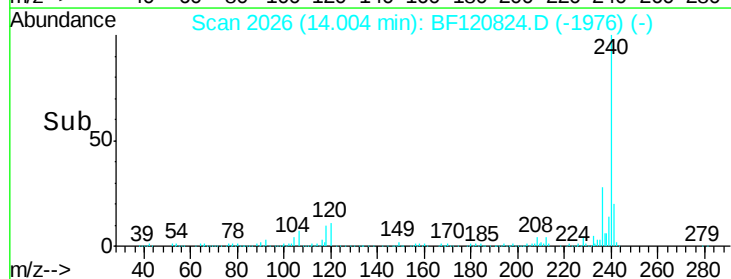
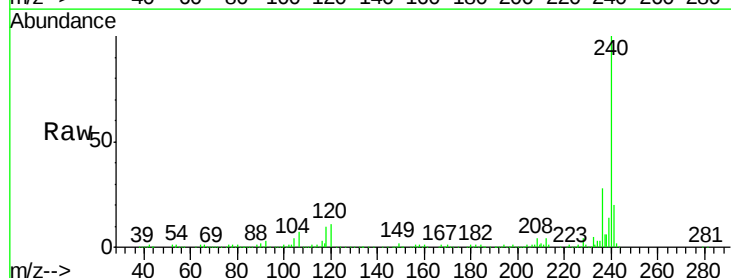
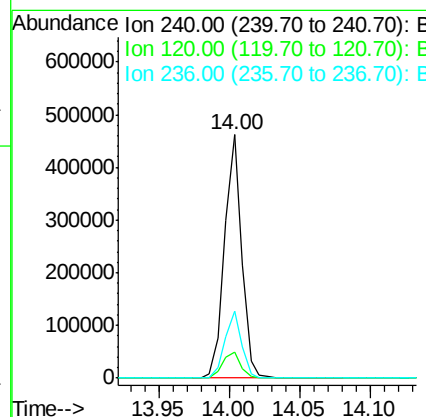
RT: 14.00 min Scan# 2026

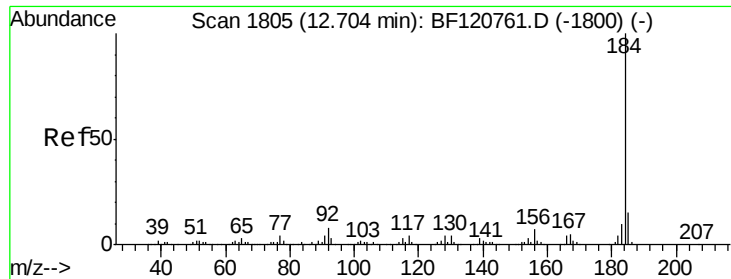
Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	240	Resp:	391018
Ion Ratio	Lower	Upper	
240	100		
120	10.5	10.3	15.5
236	27.7	21.4	32.2





#77

Benzidine

Concen: 2.752 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

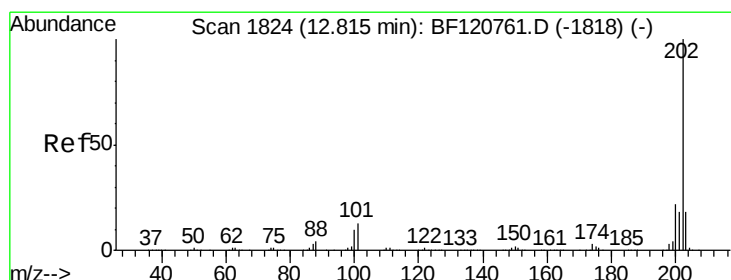
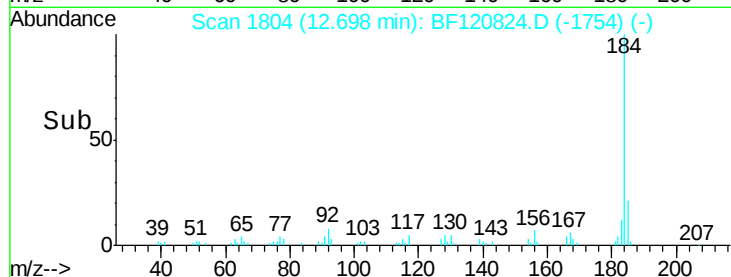
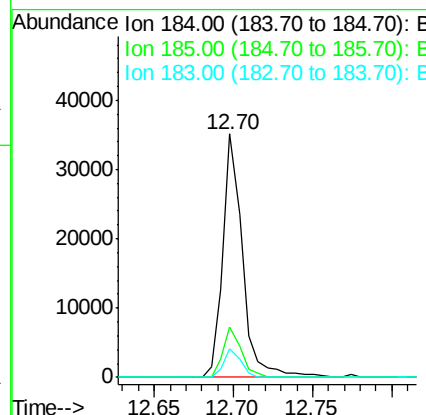
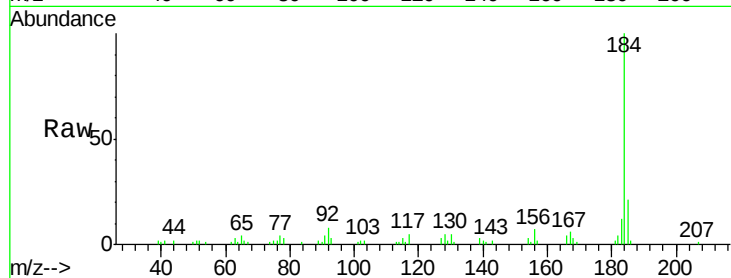
ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
184	100		
185	20.9	11.8	17.8
183	11.5	8.3	12.5

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#78

Pyrene

Concen: 3.344 ng

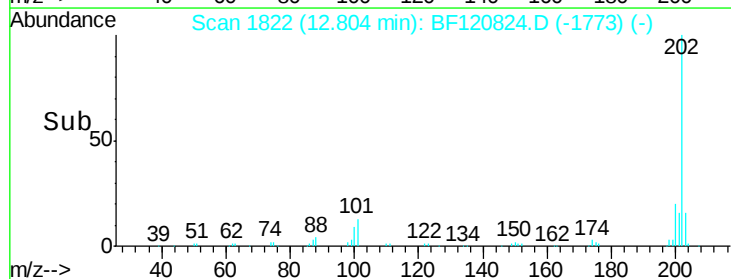
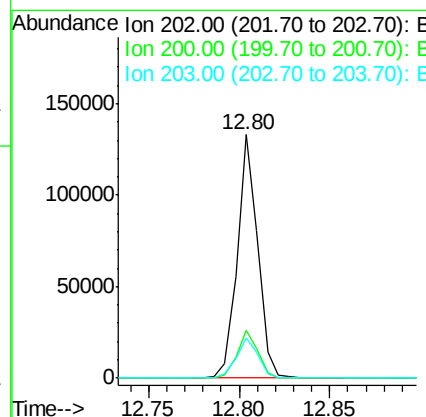
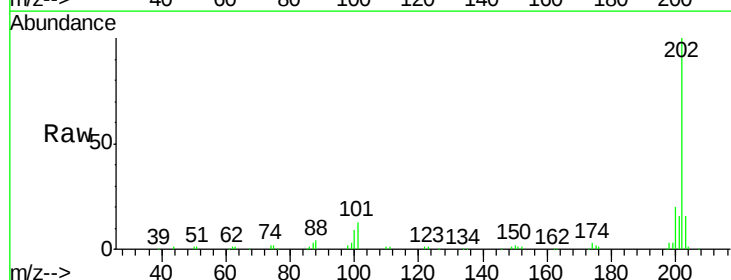
RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.3	25.9
203	16.3	14.6	22.0





#79

Terphenyl-d14

Concen: 59.905 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

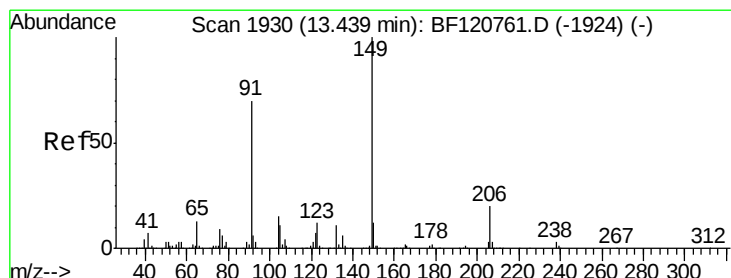
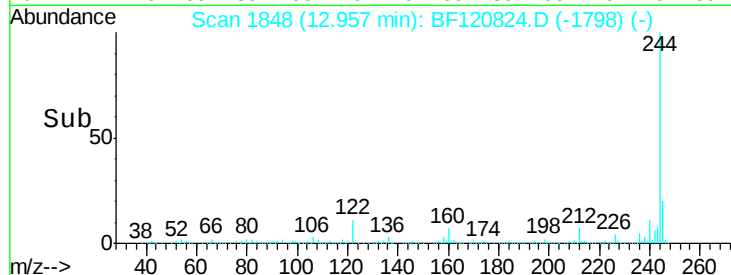
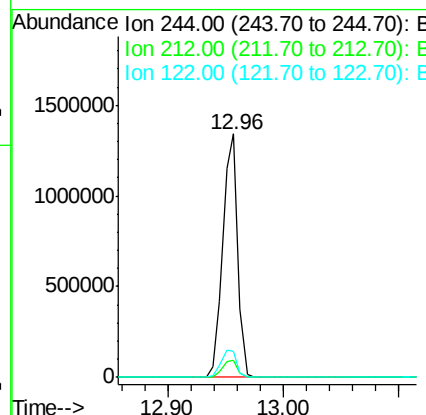
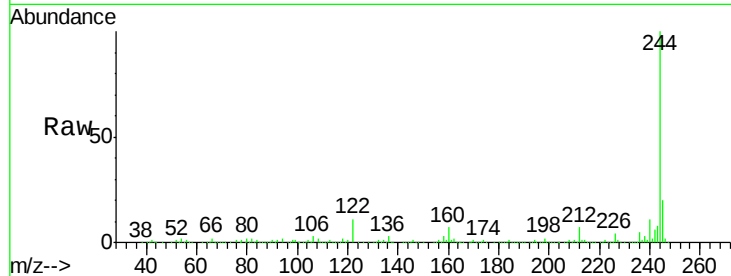
MDL-SOIL-03-QT3-2020

Tot Ion:244 Resp: 1196381

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	9.0	13.4

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#80

Butylbenzylphthalate

Concen: 2.117 ng

RT: 13.43 min Scan# 1929

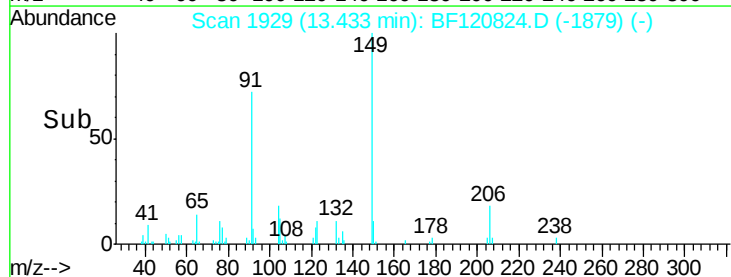
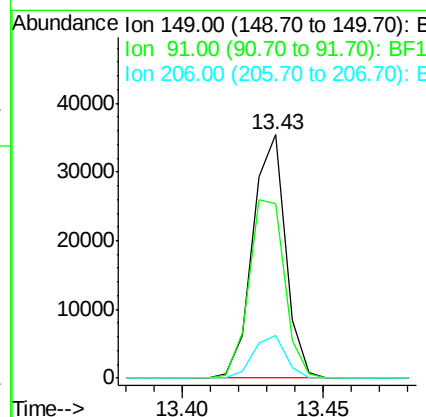
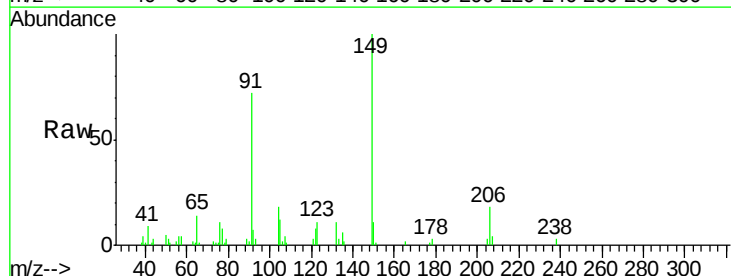
Delta R.T. -0.01 min

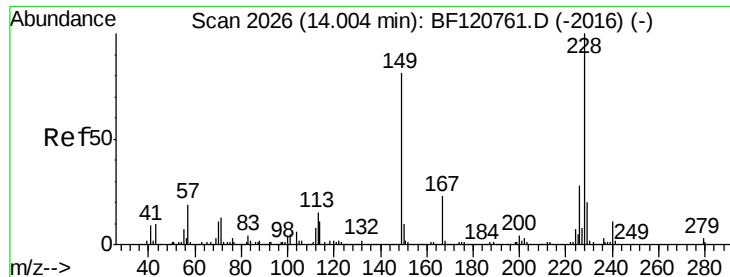
Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:149 Resp: 28544

Ion	Ratio	Lower	Upper
149	100		
91	71.9	55.8	83.8
206	17.8	15.7	23.5





#81

Benzo(a)anthracene

Concen: 3.408 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

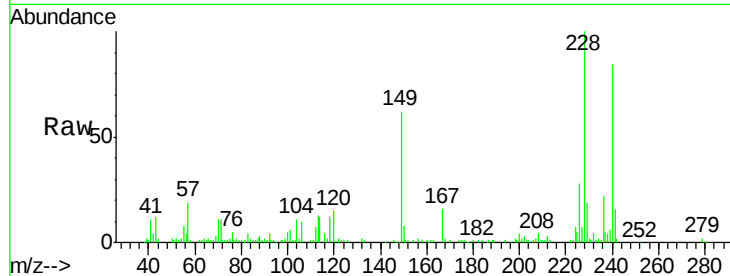
ClientSampleId :

MDL-SOIL-03-QT3-2020

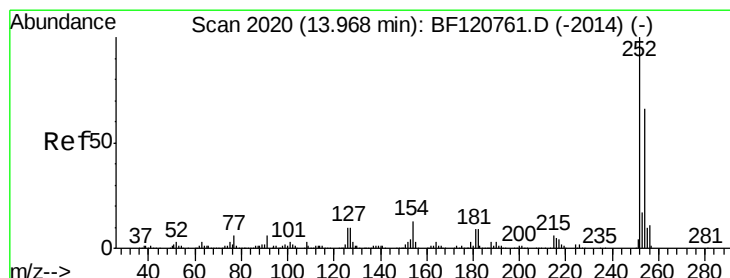
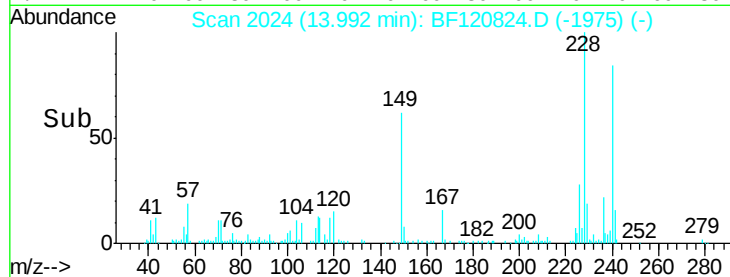
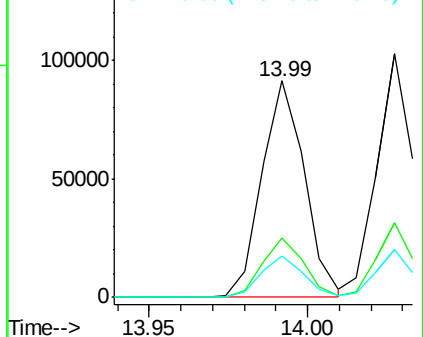
Tot Ion:	228	Resp:	85413
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	19.2	15.8	23.6

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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: 2.650 ng

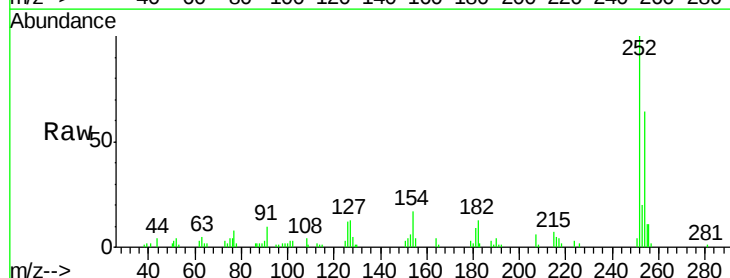
RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

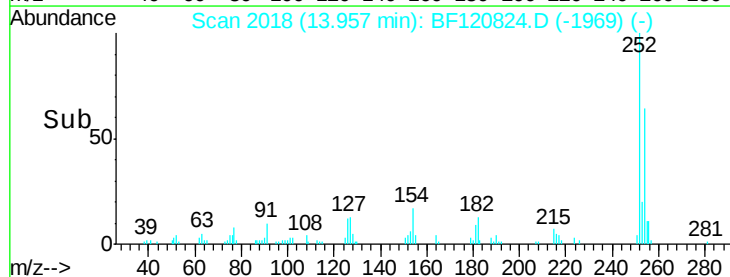
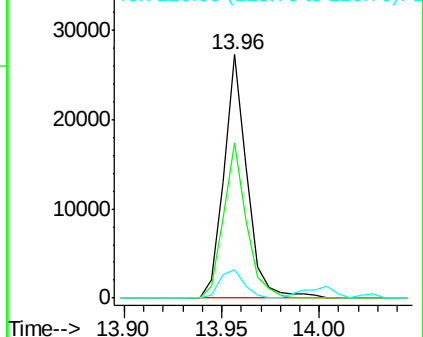
Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:	252	Resp:	22411
Ion Ratio	Lower	Upper	
252	100		
254	64.0	52.6	78.8
126	11.7	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





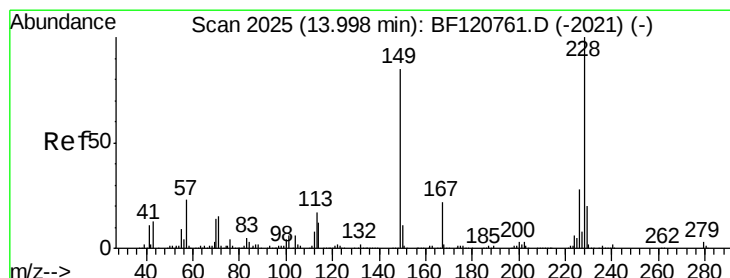
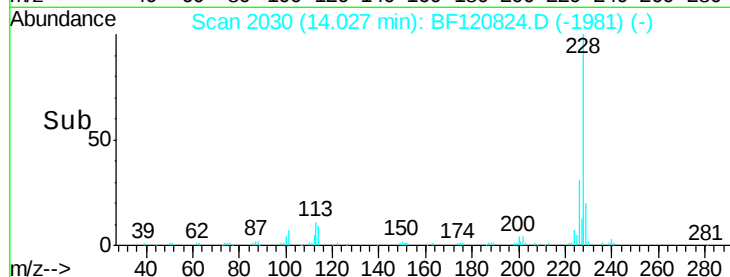
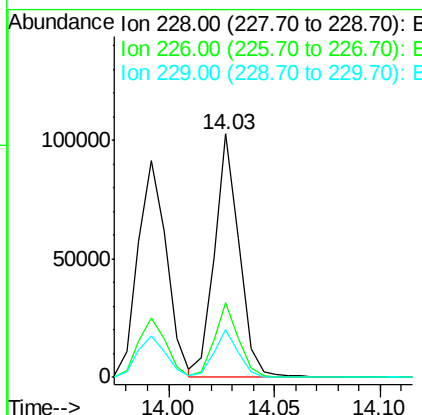
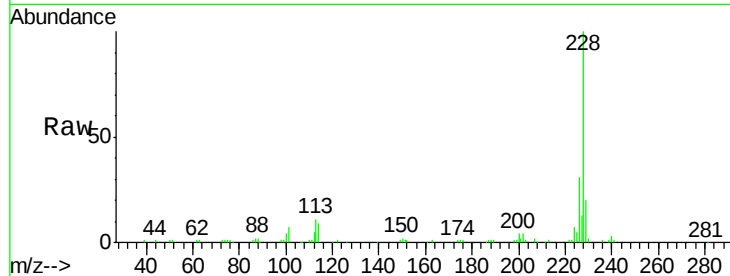
#83
Chrysene
Concen: 3.281 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.7	38.5
229	19.7	16.3	24.5

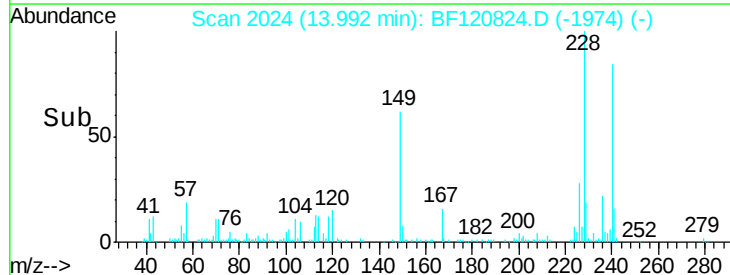
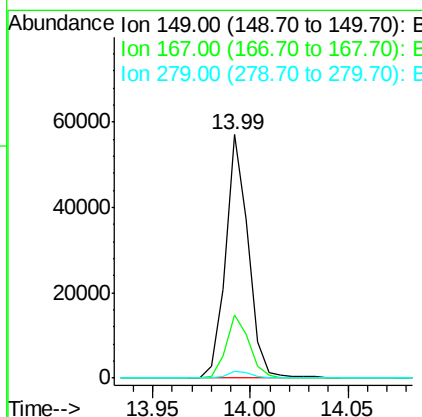
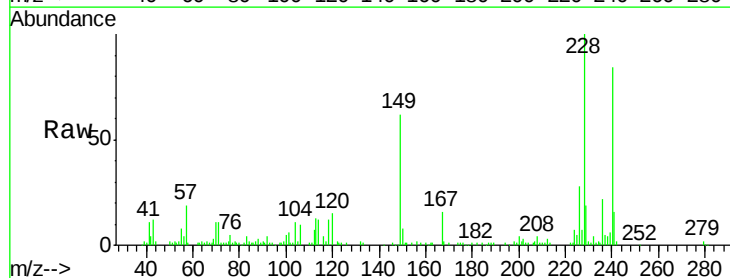
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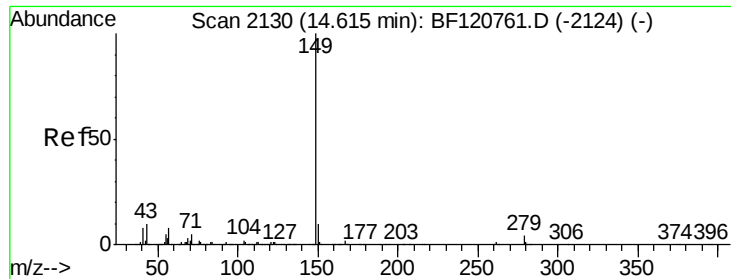
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.588 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.9	31.3
279	2.7	2.6	4.0





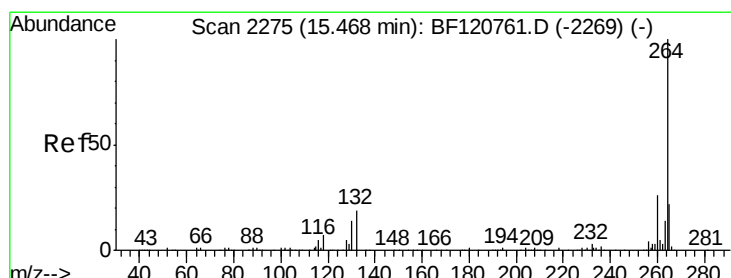
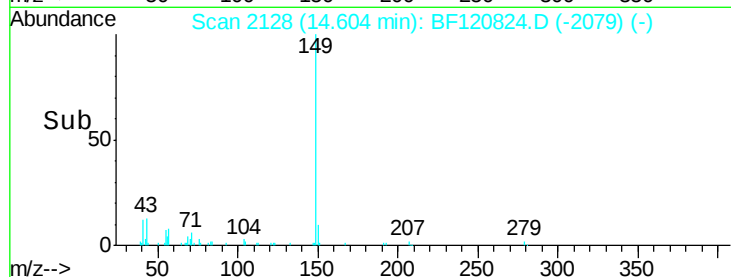
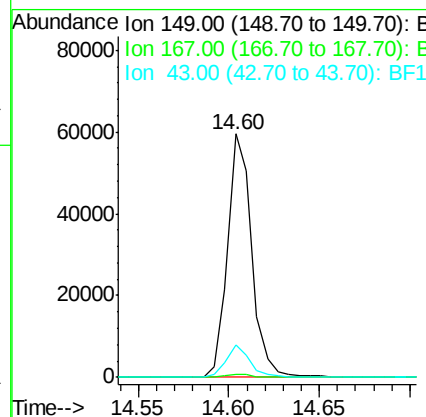
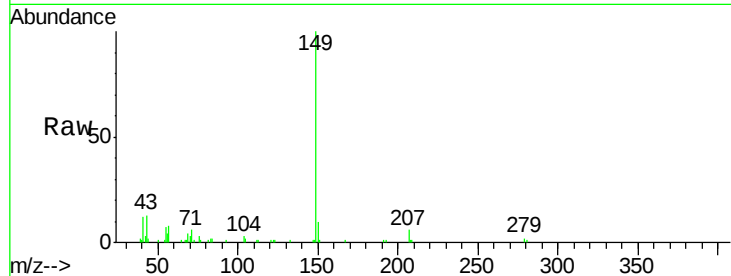
#85
Di-n-octyl phthalate
Concen: 1.770 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.1	1.2	1.8#
43	13.1	8.7	13.1#

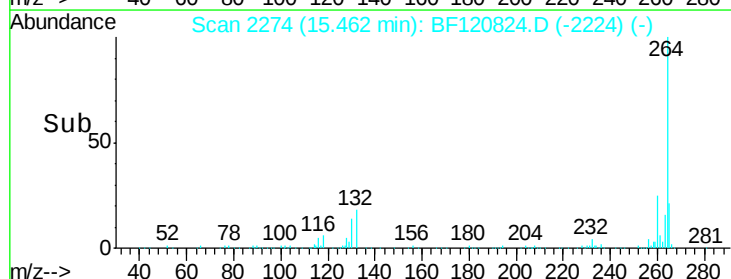
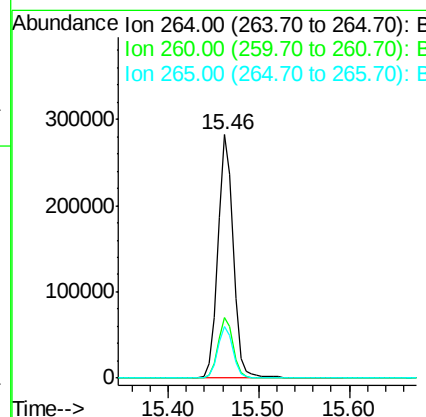
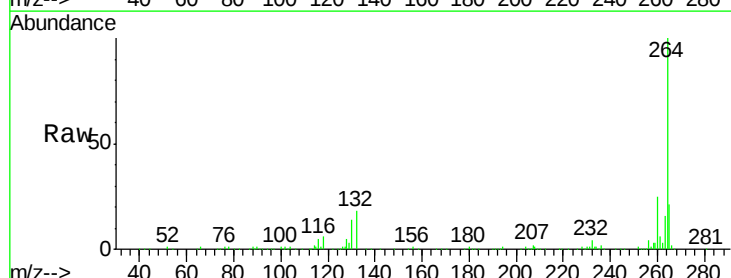
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.6	30.8
265	21.0	17.6	26.4





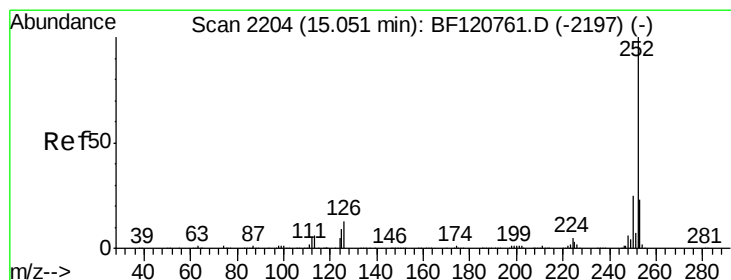
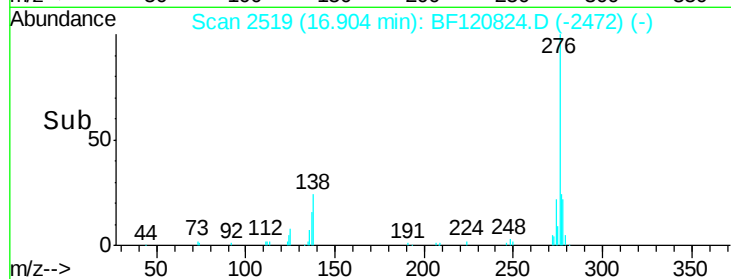
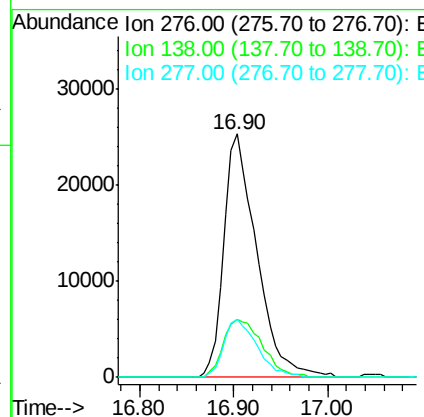
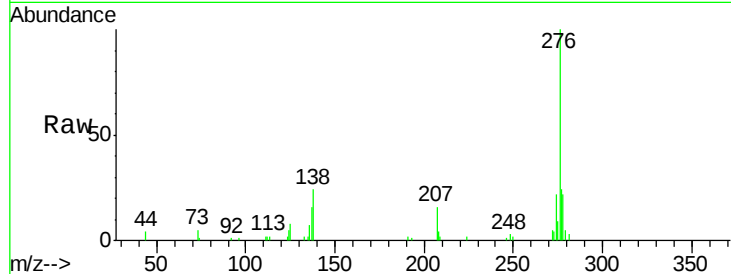
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.914 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	19.8	29.8
277	24.3	19.9	29.9

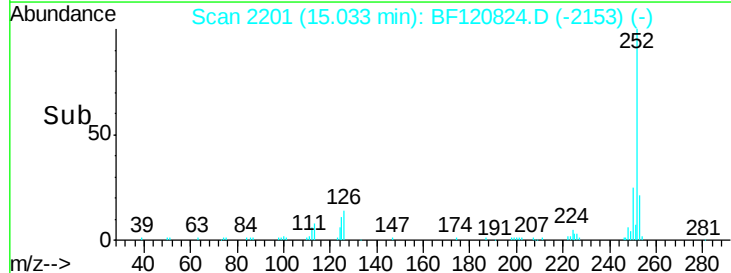
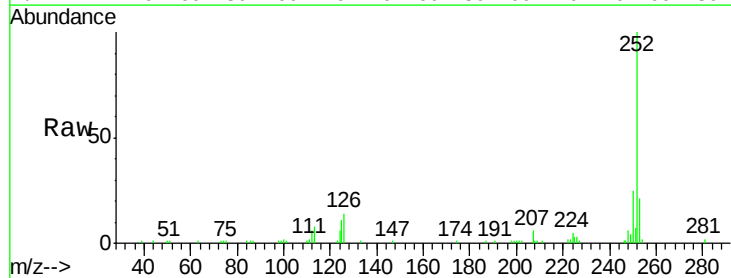
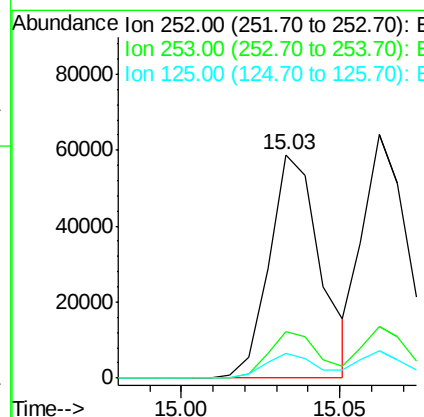
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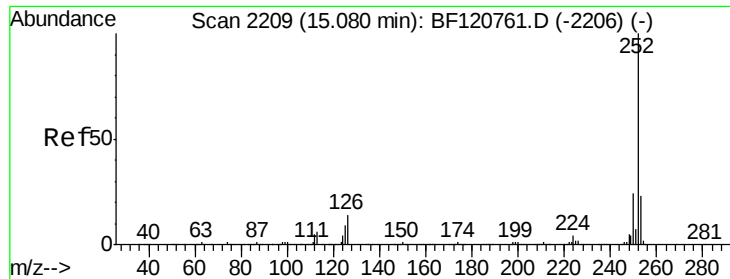
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#88
 Benzo(b)fluoranthene
 Concen: 3.032 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.0	27.0
125	11.1	7.5	11.3





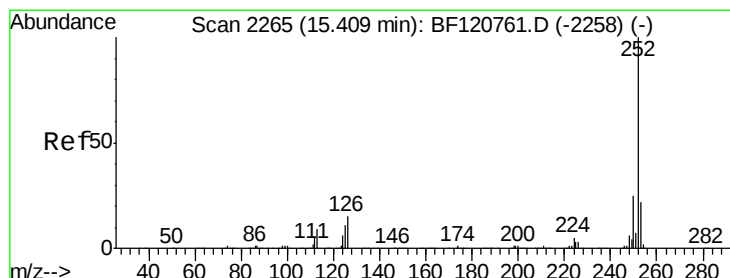
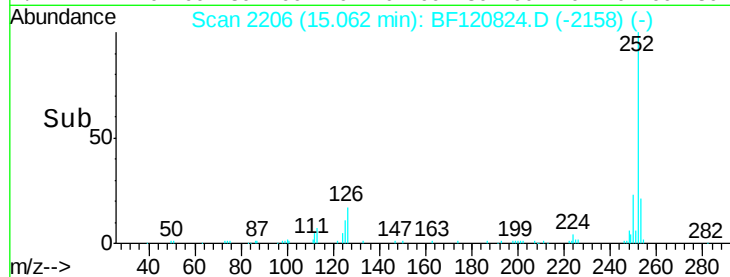
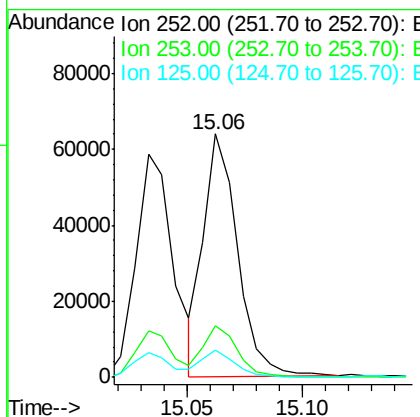
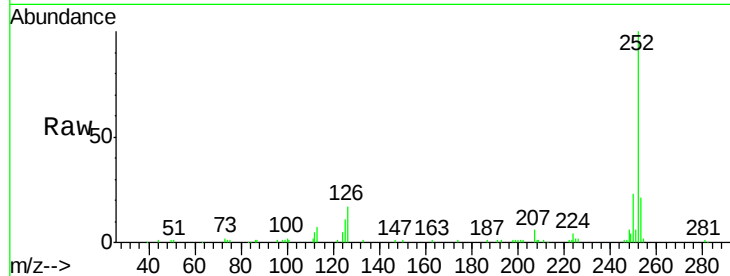
#89
Benzo(k)fluoranthene
Concen: 3.075 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	11.4	7.6	11.4

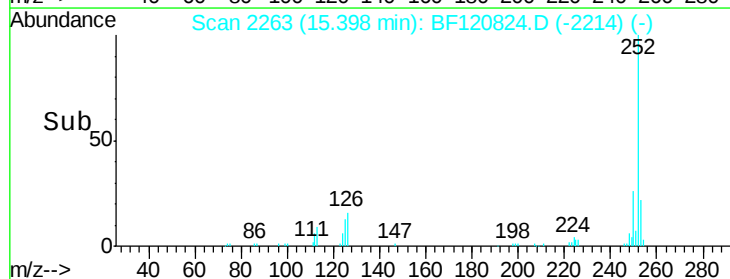
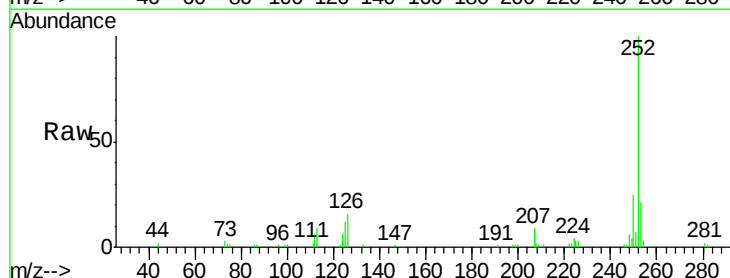
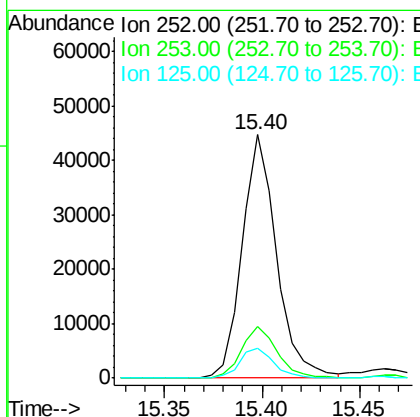
Manual Integrations
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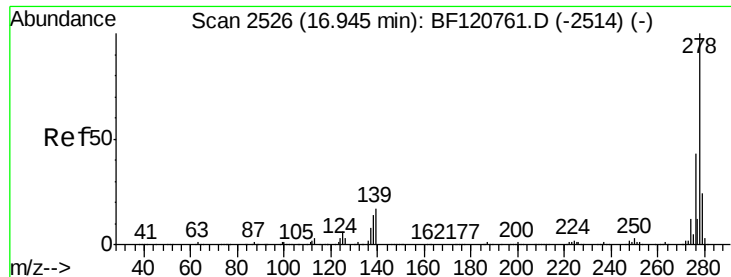
mohammad
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#90
Benzo(a)pyrene
Concen: 2.813 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.0
125	12.5	9.2	13.8





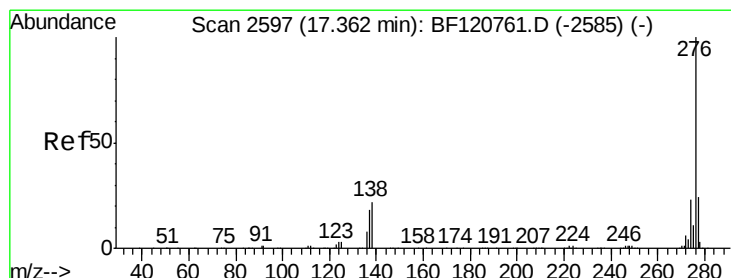
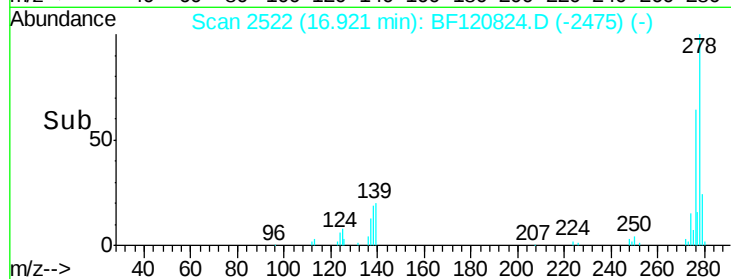
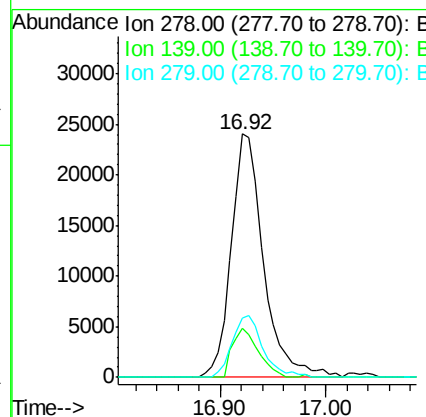
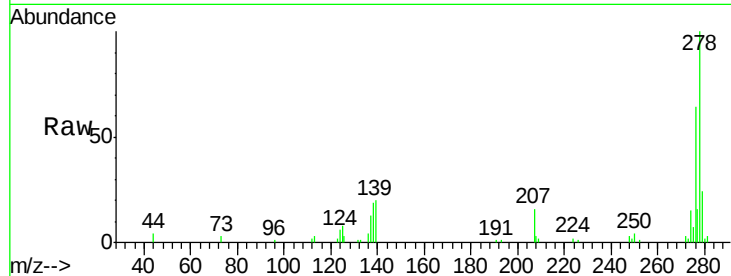
#91
Dibenzo(a,h)anthracene
Concen: 2.870 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.3	19.9
279	24.3	19.0	28.6

Manual Integrations
APPROVED

mohammad
7/13/2020 1:04:25 PM



#92
Benzo(g,h,i)perylene
Concen: 3.292 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.03 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	21.3	17.4	26.2

