

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120811.D
 Acq On : 9 Jul 2020 11:32
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Manual Integrations
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 7/10/2020 11:49:31 AM

Quant Time: Jul 09 12:17:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136434	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	507072	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	247149	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	435077	20.00	ng	0.00
76) Chrysene-d12	14.00	240	312942	20.00	ng	0.00
86) Perylene-d12	15.46	264	259786	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	820735	92.86	ng	0.00
7) Phenol-d6	6.47	99	1046128	92.68	ng	0.00
23) Nitrobenzene-d5	7.41	82	697105	79.65	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	245573	98.90	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1273040	77.93	ng	0.00
79) Terphenyl-d14	12.96	244	1007034	63.00	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	32317	8.005	ng	98
3) Pyridine	3.36	79	57713	5.219	ng	98
4) n-Nitrosodimethylamine	3.26	42	35462	6.410	ng	95
6) Aniline	6.50	93	101872	7.028	ng	99
8) 2-Chlorophenol	6.63	128	65941	7.008	ng	92
9) Benzaldehyde	6.39	77	57571	8.576	ng	95
10) Phenol	6.48	94	82284	7.087	ng	95
11) bis(2-Chloroethyl)ether	6.58	93	64920	6.871	ng	99
12) 1,3-Dichlorobenzene	6.79	146	71910	6.943	ng	96
13) 1,4-Dichlorobenzene	6.86	146	73070	7.044	ng	98
14) 1,2-Dichlorobenzene	7.02	146	69841	7.076	ng	99
15) Benzyl Alcohol	6.98	79	64687	7.628	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	97296	6.602	ng	99
17) 2-Methylphenol	7.09	107	50377	5.984	ng	95
18) Hexachloroethane	7.36	117	26537	6.806	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	45396	6.680	ng	99
20) 3+4-Methylphenols	7.24	107	66495	6.413	ng	93
22) Acetophenone	7.25	105	97049	7.700	ng	95
24) Nitrobenzene	7.42	77	74370	7.568	ng	94
25) Isophorone	7.66	82	122902	6.512	ng	98
26) 2-Nitrophenol	7.74	139	21830	6.077	ng	93
27) 2,4-Dimethylphenol	7.77	122	53830	7.144	ng	98
28) bis(2-Chloroethoxy)methane	7.87	93	78415	7.020	ng	# 97
29) 2,4-Dichlorophenol	7.98	162	48932	6.505	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	56407	6.677	ng	96
31) Naphthalene	8.15	128	196196	7.240	ng	98
32) Benzoic acid	7.83	122	17881	4.385	ng	93
33) 4-Chloroaniline	8.19	127	75157	6.536	ng	95
34) Hexachlorobutadiene	8.27	225	33011	6.497	ng	97
35) Caprolactam	8.52	113	12661	5.777	ng	96
36) 4-Chloro-3-methylphenol	8.67	107	49640	6.344	ng	95
37) 2-Methylnaphthalene	8.84	142	123011	6.983	ng	98
38) 1-Methylnaphthalene	8.94	142	116866	7.082	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	54382	7.281	ng	98

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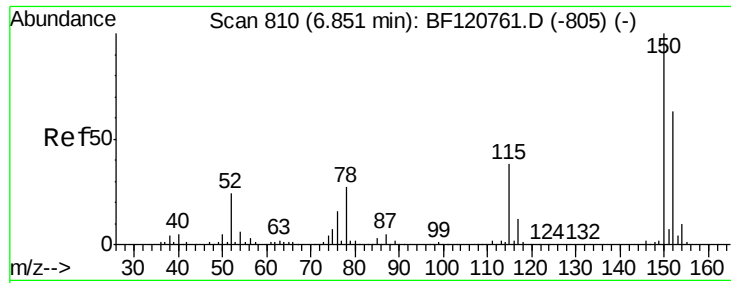
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	26175	5.931	nq	97
43) 2,4,6-Trichlorophenol	9.12	196	30275	5.948	nq	98
44) 2,4,5-Trichlorophenol	9.15	196	32953	5.834	nq	97
46) 1,1'-Biphenyl	9.30	154	155066	7.778	nq	99
47) 2-Chloronaphthalene	9.33	162	109796	6.875	nq	99
48) 2-Nitroaniline	9.42	65	28311	6.625	nq	86
49) Acenaphthylene	9.75	152	174607	6.973	nq	98
50) Dimethylphthalate	9.60	163	119820	6.646	nq	99
51) 2,6-Dinitrotoluene	9.66	165	21292	6.537	nq	89
52) Acenaphthene	9.92	154	105738	6.807	nq	99
53) 3-Nitroaniline	9.83	138	25115	6.241	nq	97
54) 2,4-Dinitrophenol	9.93	184	3076	2.860	nq	# 1
55) Dibenzofuran	10.09	168	155687	6.953	nq	99
56) 4-Nitrophenol	9.97	139	15827	5.355	nq	93
57) 2,4-Dinitrotoluene	10.06	165	25319	6.475	nq	98
58) Fluorene	10.43	166	117158	7.030	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.20	232	25095m	5.970	nq	
60) Diethylphthalate	10.30	149	119208	6.347	nq	98
61) 4-Chlorophenyl-phenylether	10.42	204	57125	6.818	nq	95
62) 4-Nitroaniline	10.43	138	23271	6.075	nq	90
63) Azobenzene	10.58	77	130430	6.789	nq	92
65) 4,6-Dinitro-2-methylphenol	10.46	198	5757	4.118	nq	95
66) n-Nitrosodiphenylamine	10.54	169	99377	6.815	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	30105	5.965	nq	95
68) Hexachlorobenzene	10.97	284	33935	6.408	nq	97
69) Atrazine	11.06	200	27010	7.190	nq	98
70) Pentachlorophenol	11.17	266	13487	4.501	nq	97
71) Phenanthrene	11.39	178	163685	6.934	nq	98
72) Anthracene	11.44	178	162568	6.815	nq	98
73) Carbazole	11.59	167	145824	6.361	nq	98
74) Di-n-butylphthalate	11.93	149	161691	5.697	nq	99
75) Fluoranthene	12.57	202	159238	6.332	nq	98
77) Benzidine	12.70	184	56305	6.374	nq	96
78) Pyrene	12.80	202	166179	6.649	nq	98
80) Butylbenzylphthalate	13.43	149	51470	4.770	nq	97
81) Benzo(a)anthracene	13.99	228	134635	6.712	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	37984	5.611	nq	# 99
83) Chrysene	14.03	228	129874	6.347	nq	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	82552	5.834	nq	98
85) Di-n-octyl phthalate	14.60	149	100274	4.006	nq	97
87) Indeno(1,2,3-cd)pyrene	16.90	276	97341	5.842	nq	97
88) Benzo(b)fluoranthene	15.04	252	101477	5.942	nq	97
89) Benzo(k)fluoranthene	15.06	252	108672	6.539	nq	98
90) Benzo(a)pyrene	15.40	252	88742	5.825	nq	98
91) Dibenzo(a,h)anthracene	16.93	278	83567	6.017	nq	95
92) Benzo(g,h,i)perylene	17.34	276	81349	6.409	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

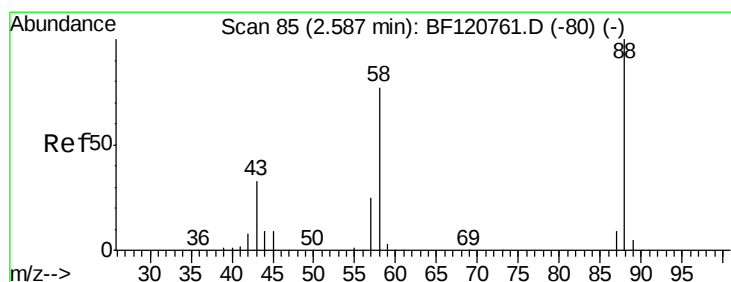
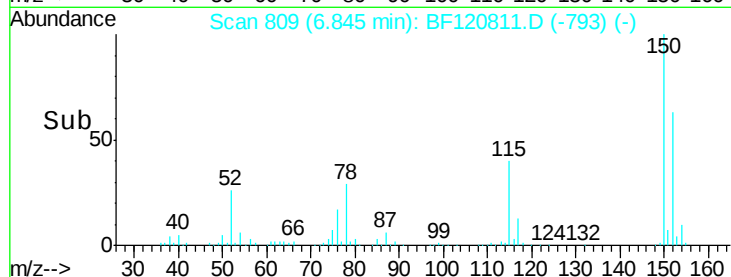
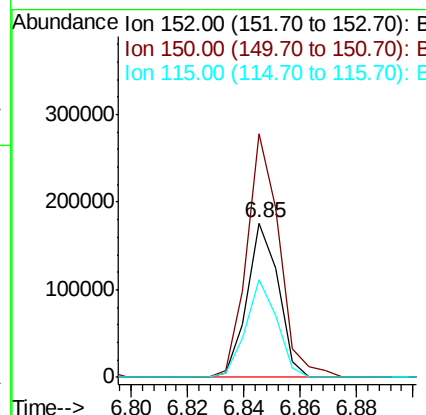
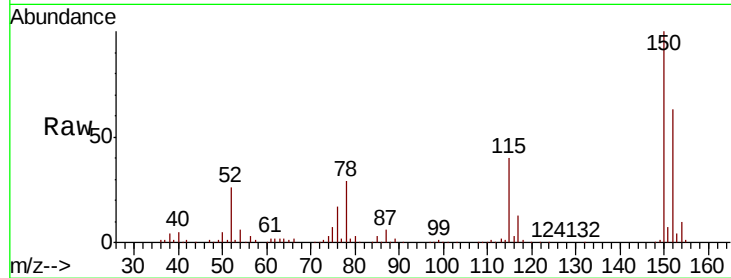
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	152	Resp:	136434
Ion Ratio	Lower	Upper	
152	100		
150	158.0	126.1	189.1
115	63.7	48.5	72.7

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#2

1,4-Dioxane

Concen: 8.005 ng

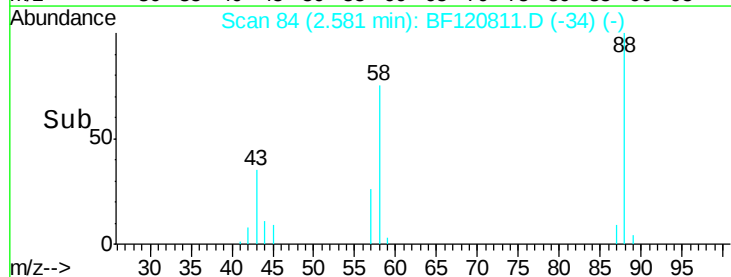
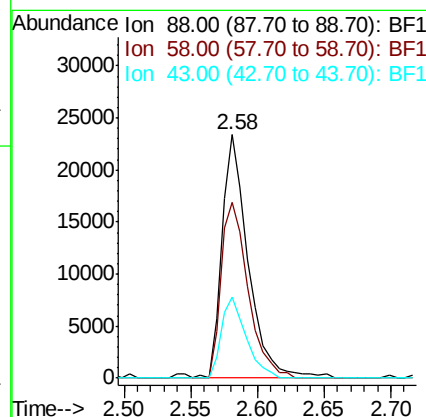
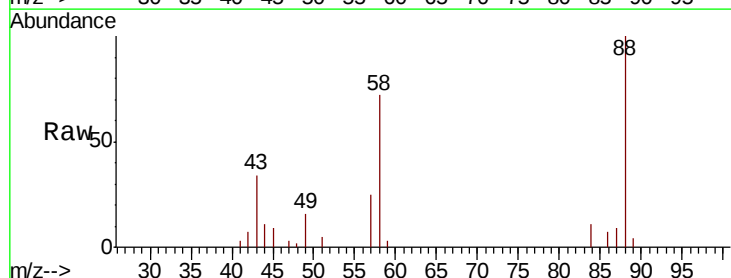
RT: 2.58 min Scan# 84

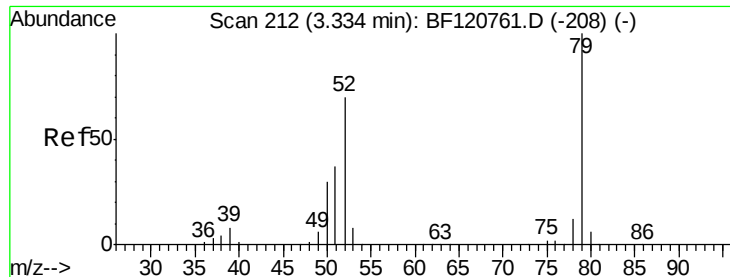
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	88	Resp:	32317
Ion Ratio	Lower	Upper	
88	100		
58	74.5	60.4	90.6
43	31.5	26.3	39.5





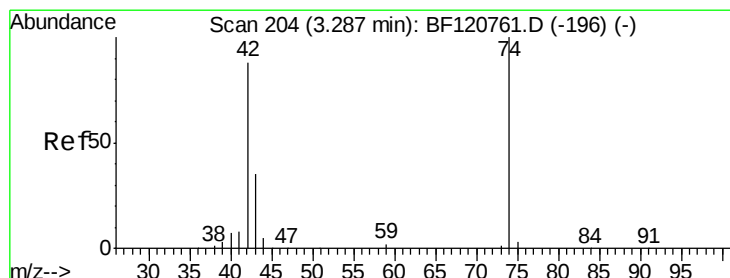
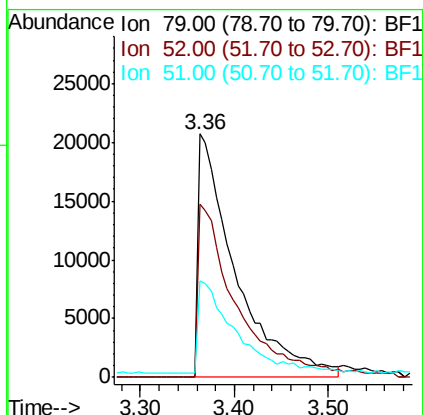
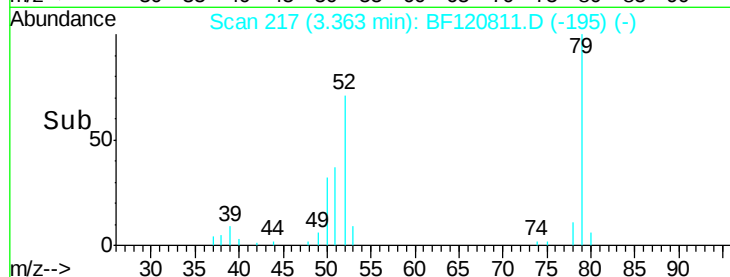
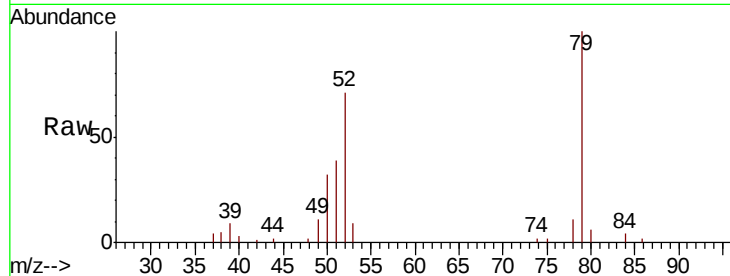
#3
 Pvridine
 Concen: 5.219 ng
 RT: 3.36 min Scan# 217
 Delta R.T. 0.03 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
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 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	57713
Ion	Ratio	Lower	Upper
79	100		
52	71.3	56.3	84.5
51	39.4	30.1	45.1

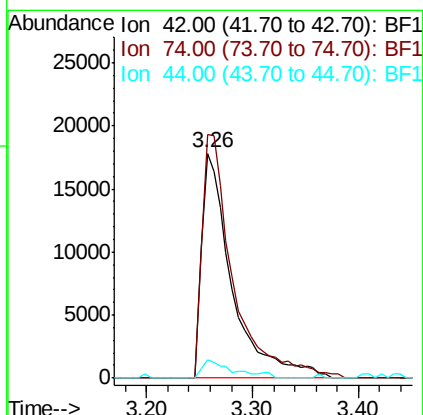
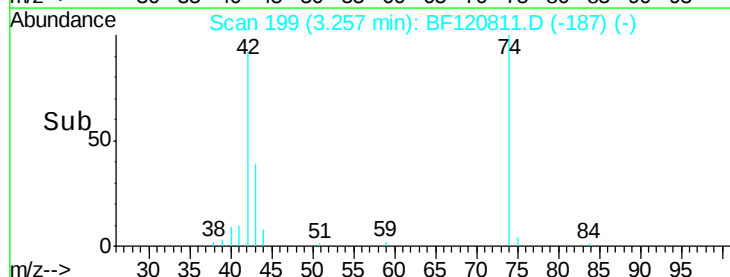
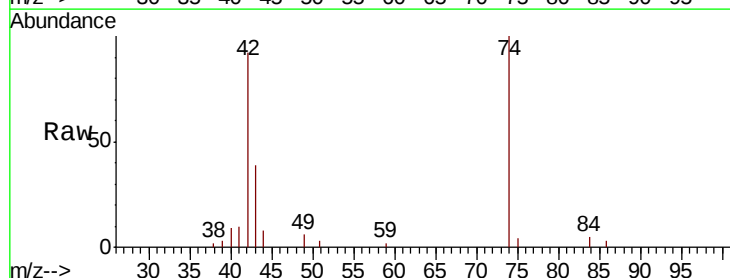
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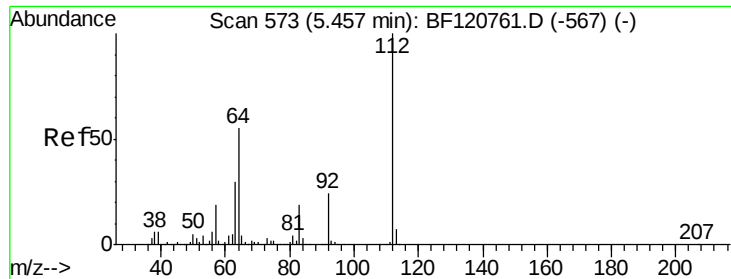
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#4
 n-Nitrosodimethylamine
 Concen: 6.410 ng
 RT: 3.26 min Scan# 199
 Delta R.T. -0.03 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:	42	Resp:	35462
Ion	Ratio	Lower	Upper
42	100		
74	108.4	90.8	136.2
44	8.1	5.8	8.8





#5

2-Fluorophenol

Concen: 92.860 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

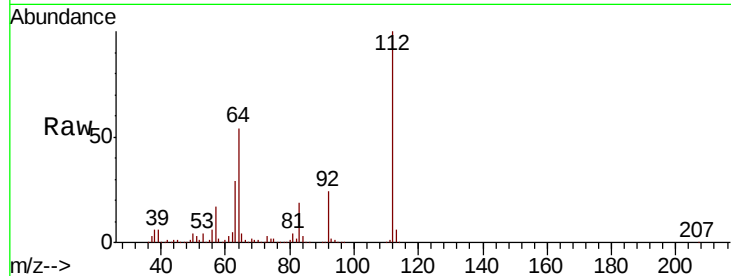
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

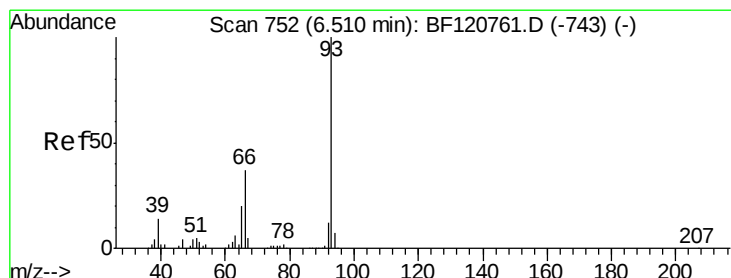
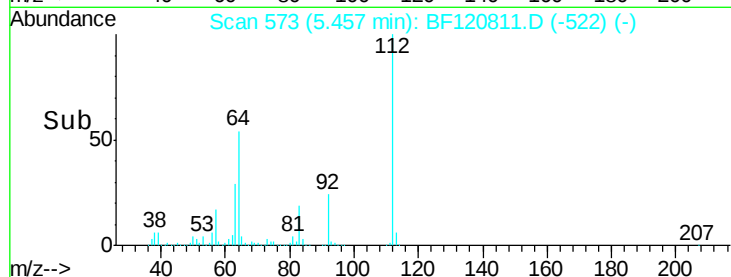
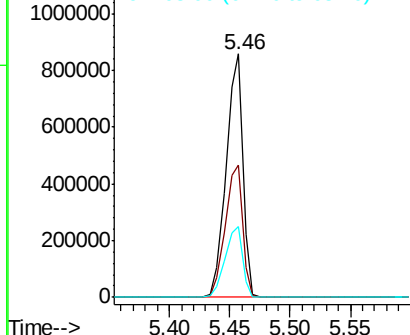
Tot Ion	Ratio	Resp	Lower	Upper
112	100	820735		
64	54.4	43.8	65.6	
63	28.9	23.6	35.4	

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.028 ng

RT: 6.50 min Scan# 751

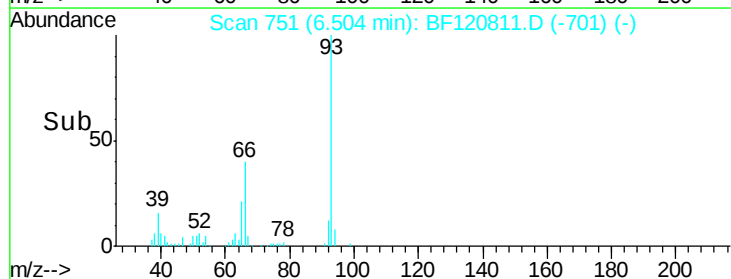
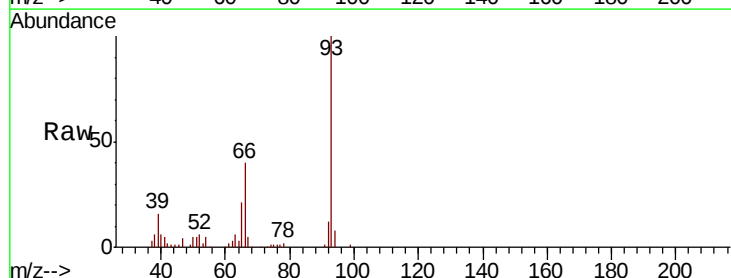
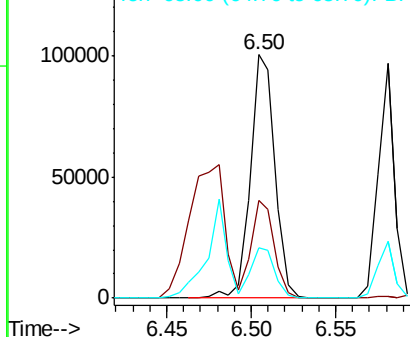
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	101872		
66	40.2	31.3	46.9	
65	20.5	16.5	24.7	

Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 92.684 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 99 Resp: 1046128

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

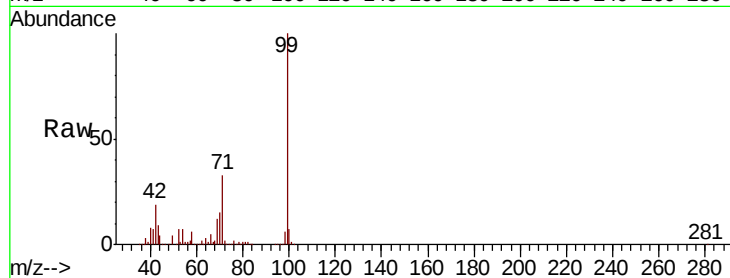
71 32.9 25.9 38.9

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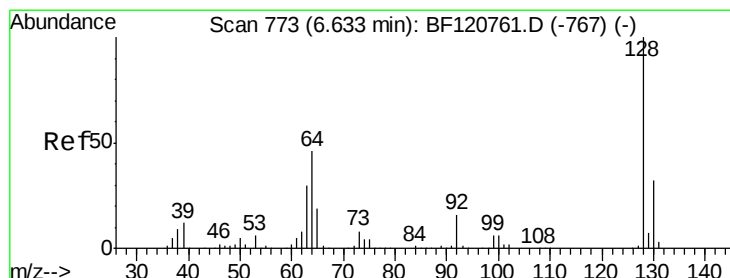
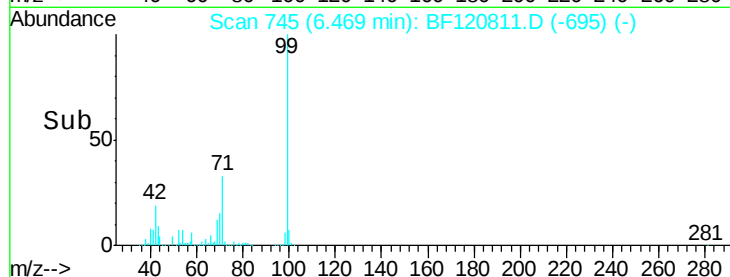
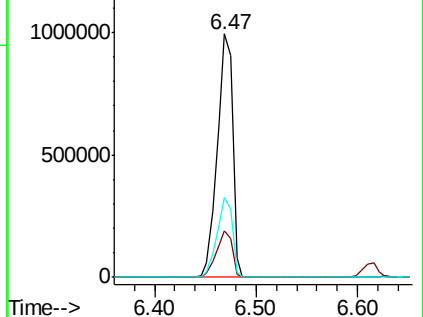
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 7.008 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

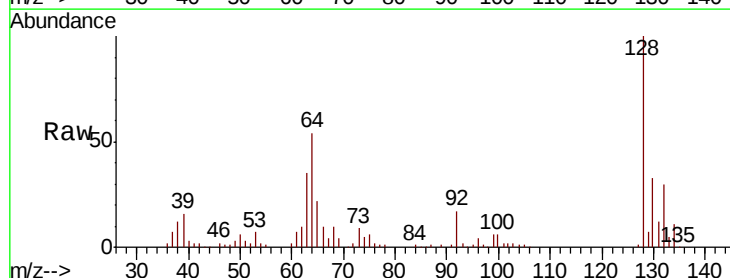
Tgt Ion: 128 Resp: 65941

Ion Ratio Lower Upper

128 100

130 33.4 12.1 52.1

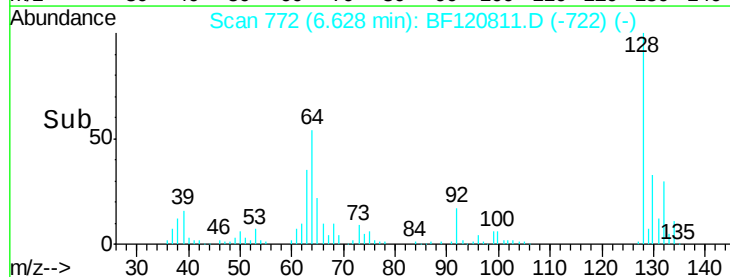
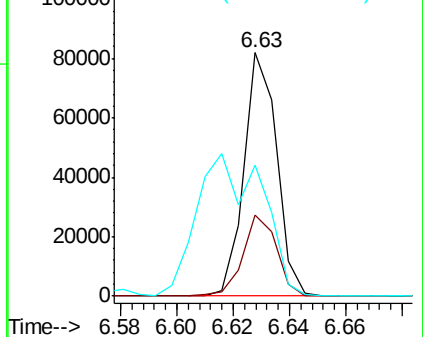
64 53.6 26.3 66.3

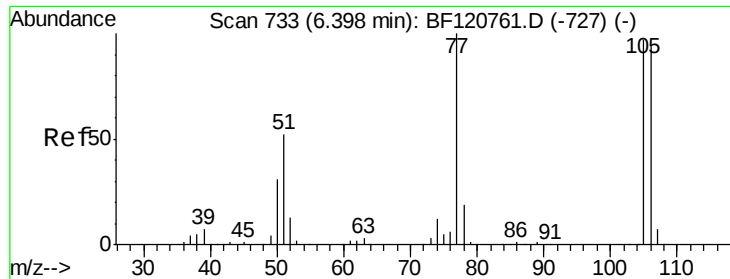


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 8.576 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

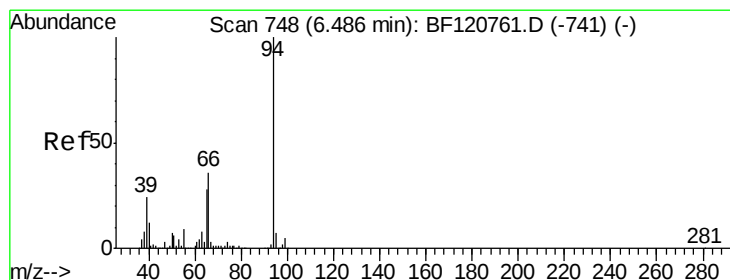
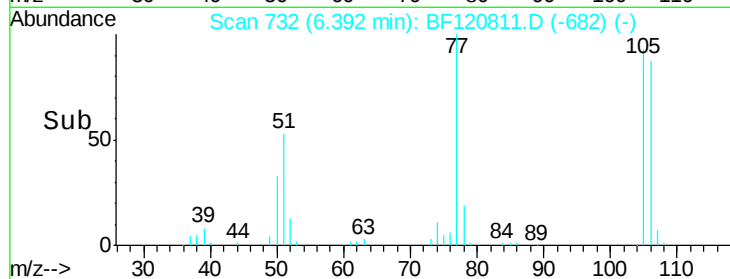
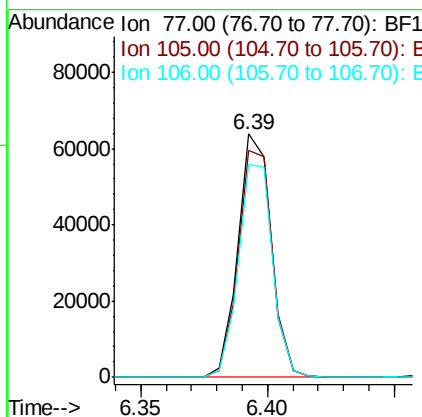
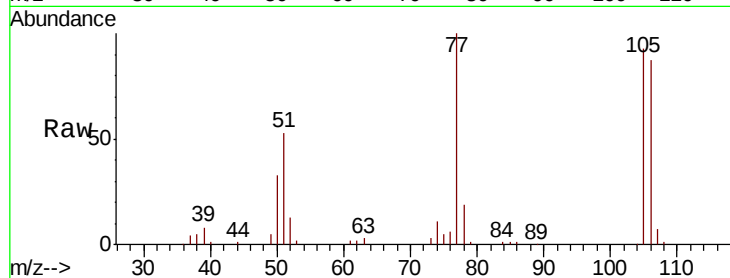
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	77	Resp:	57571
Ion	Ratio	Lower	Upper
77	100		
105	93.0	76.8	116.8
106	87.2	73.8	113.8

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#10

Phenol

Concen: 7.087 ng

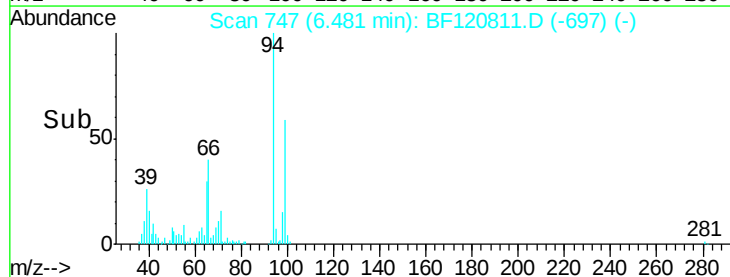
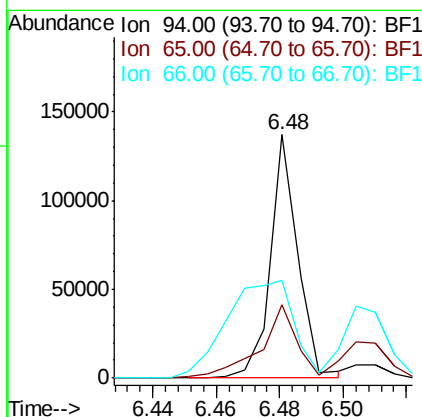
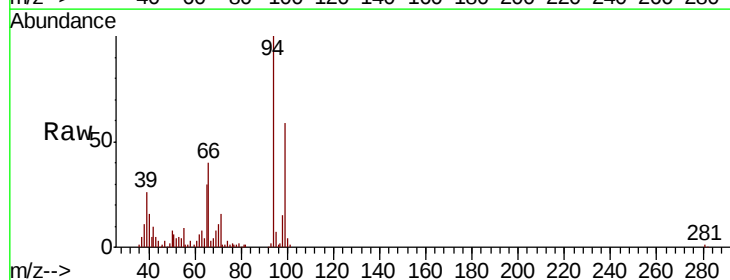
RT: 6.48 min Scan# 747

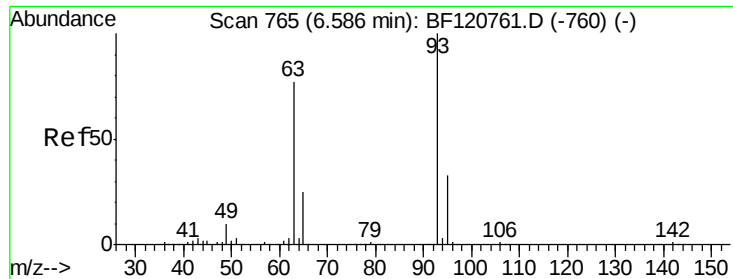
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	94	Resp:	82284
Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.4	48.4
66	40.0	16.5	56.5





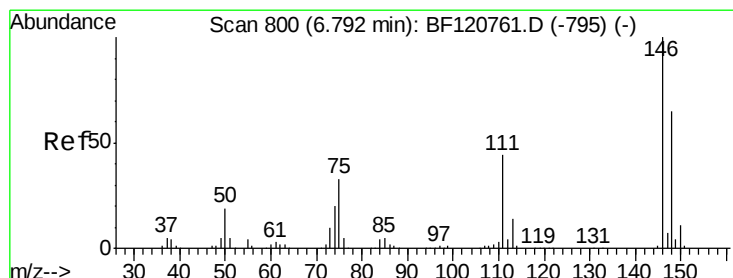
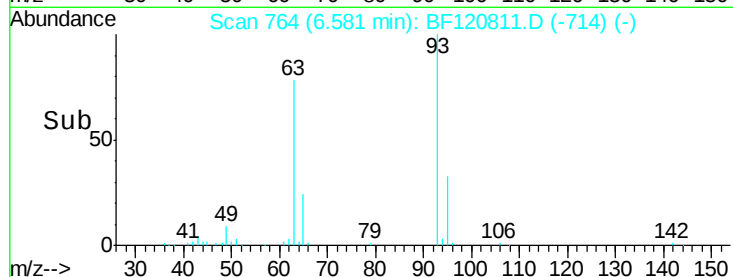
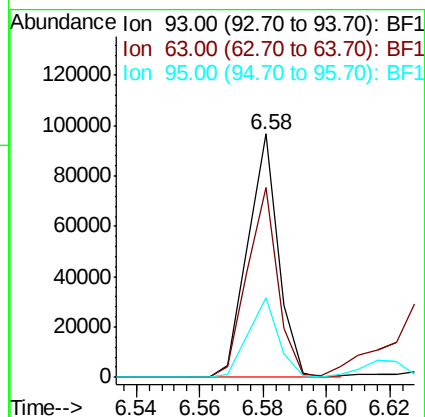
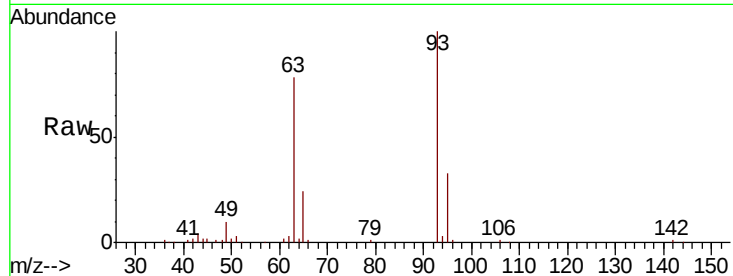
#11
bis(2-Chloroethyl)ether
Concen: 6.871 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	93	Resp:	64920
Ion	Ratio	Lower	Upper
93	100		
63	78.1	56.9	96.9
95	32.8	13.3	53.3

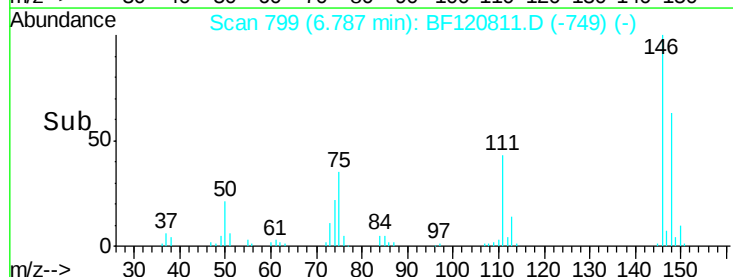
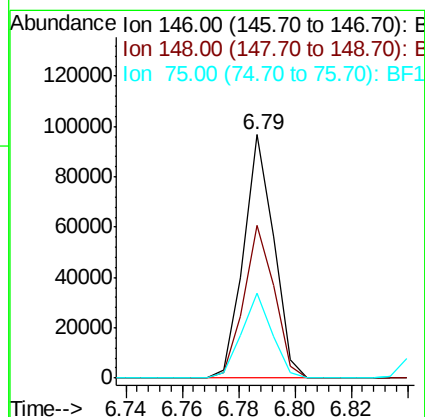
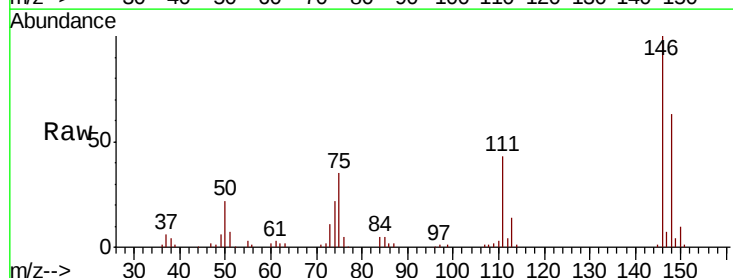
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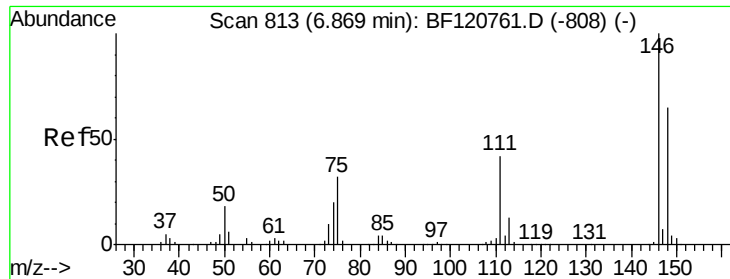
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#12
1,3-Dichlorobenzene
Concen: 6.943 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	146	Resp:	71910
Ion	Ratio	Lower	Upper
146	100		
148	62.6	52.1	78.1
75	35.1	26.0	39.0





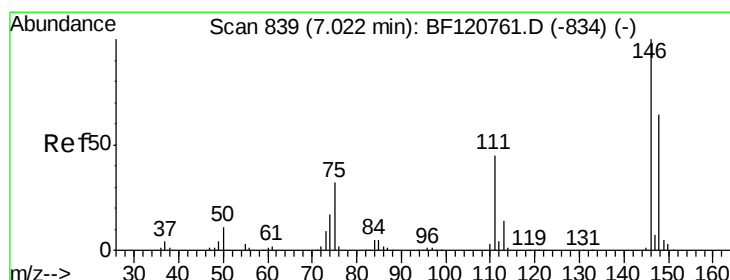
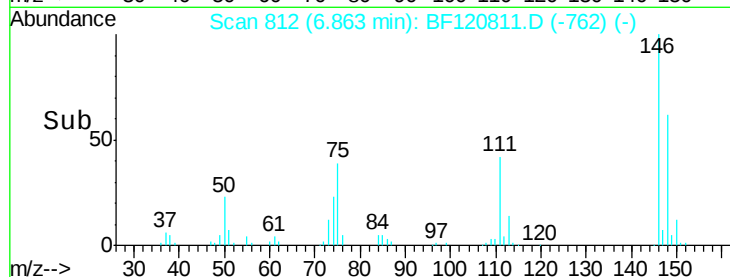
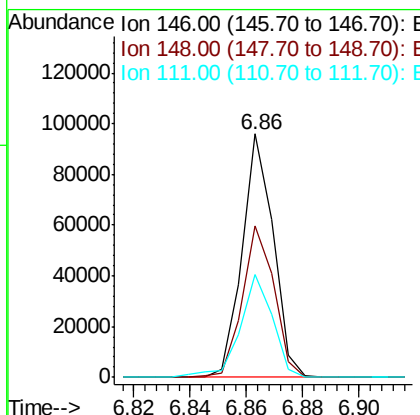
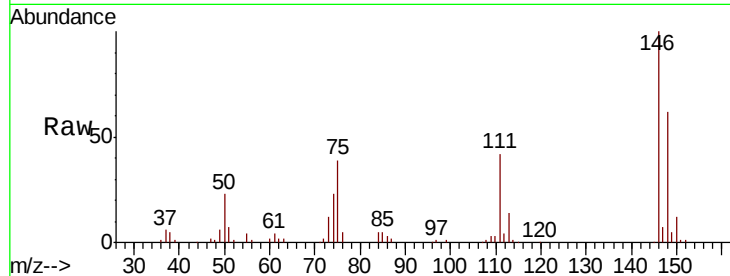
#13
1,4-Dichlorobenzene
Concen: 7.044 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
146	100			
148	62.2	51.8	77.6	
111	42.2	33.7	50.5	

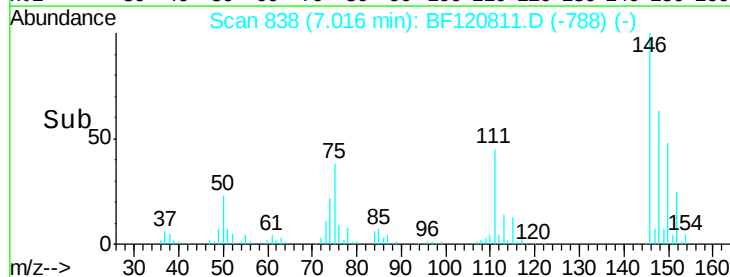
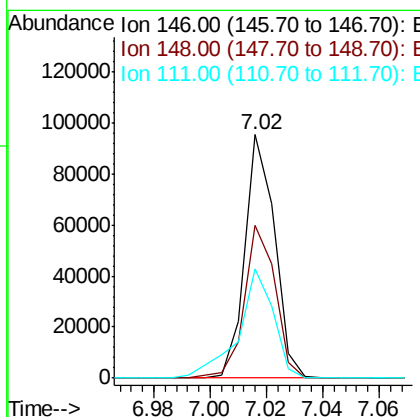
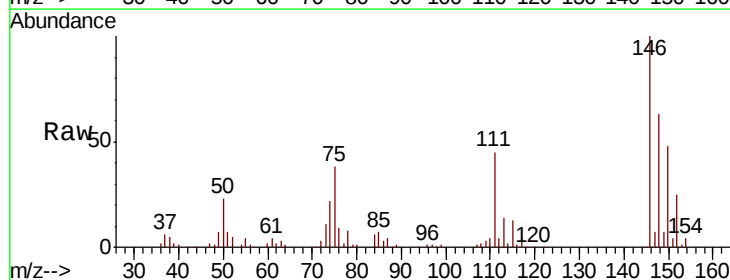
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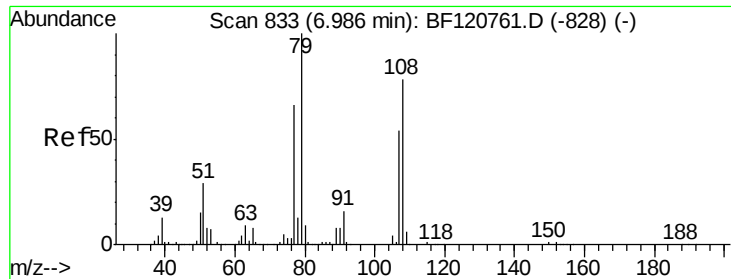
mohammad
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#14
1,2-Dichlorobenzene
Concen: 7.076 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
146	100			
148	62.6	51.0	76.4	
111	44.7	35.7	53.5	





#15

Benzyl Alcohol

Concen: 7.628 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

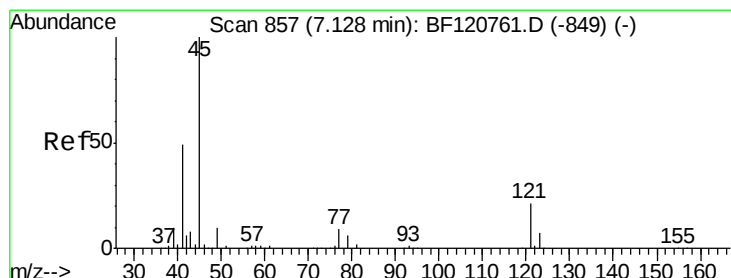
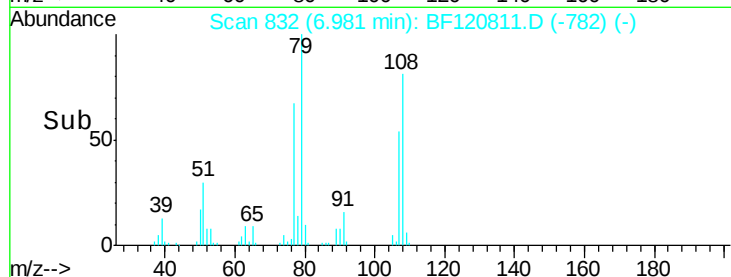
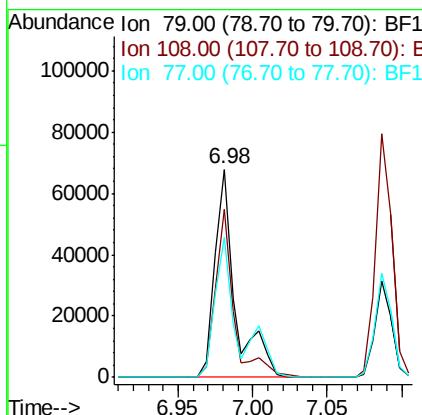
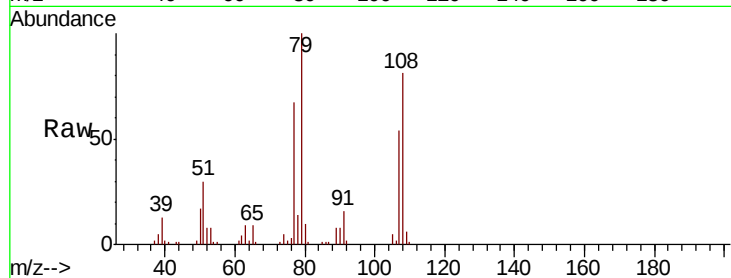
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	79	Resp:	64687
Ion	Ratio	Lower	Upper
79	100		
108	80.5	62.4	93.6
77	67.4	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 6.602 ng

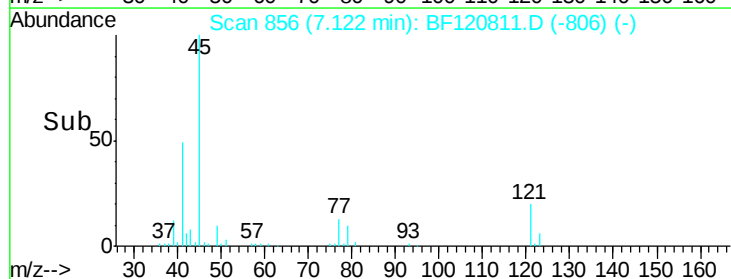
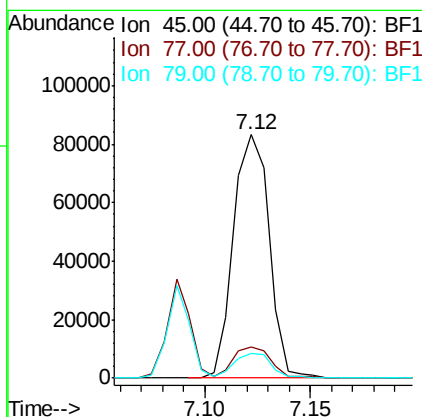
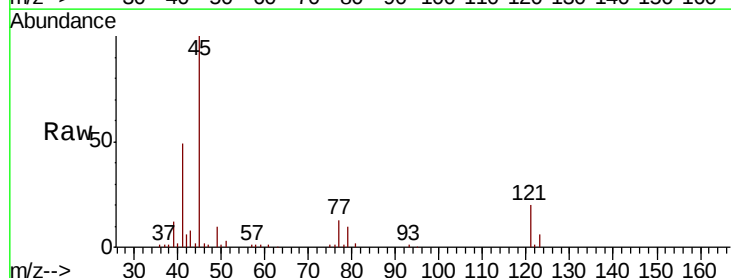
RT: 7.12 min Scan# 856

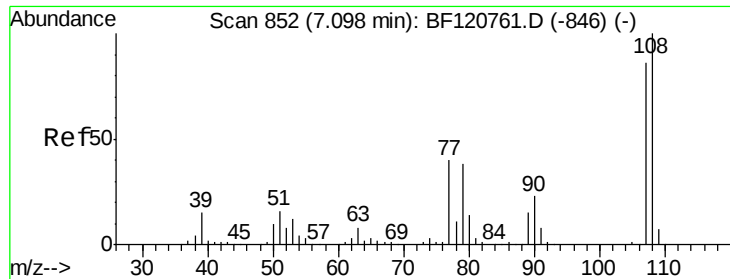
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	45	Resp:	97296
Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.7
79	10.4	0.0	30.5





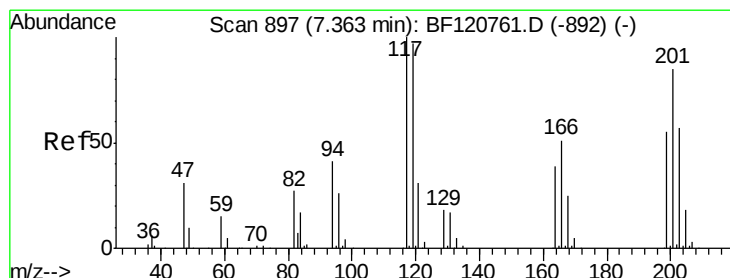
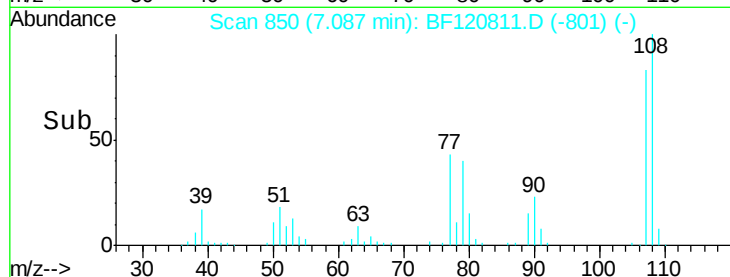
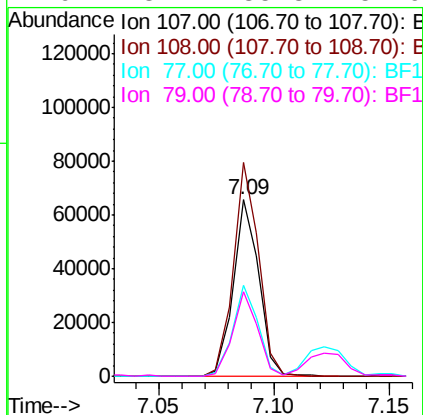
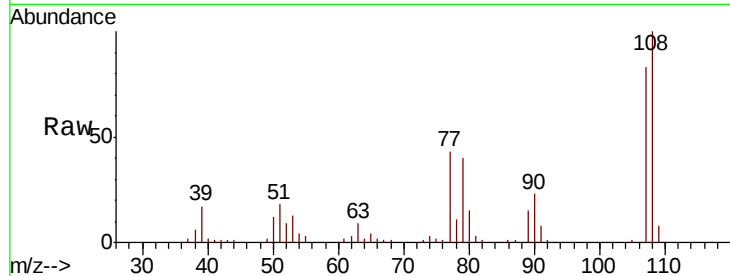
#17
2-Methylphenol
Concen: 5.984 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	107	Resp	50377
Ion	Ratio	Lower	Upper
107	100		
108	121.0	93.1	139.7
77	51.6	37.3	55.9
79	48.1	35.3	52.9

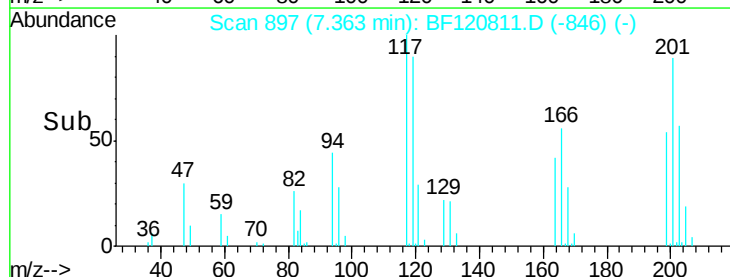
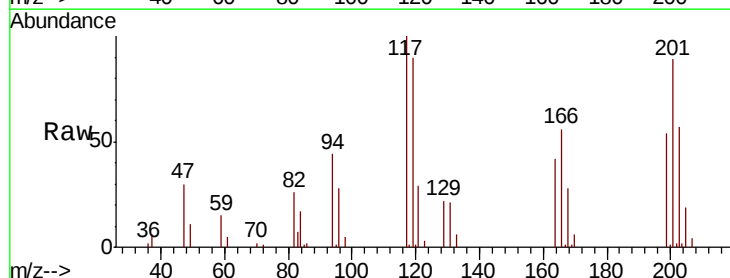
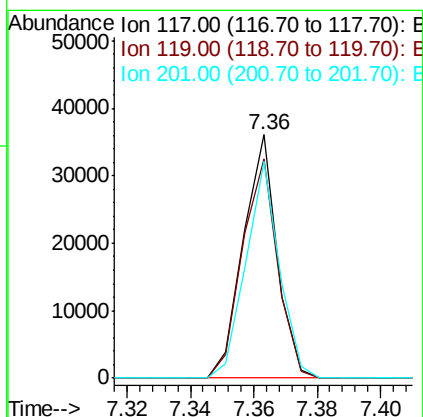
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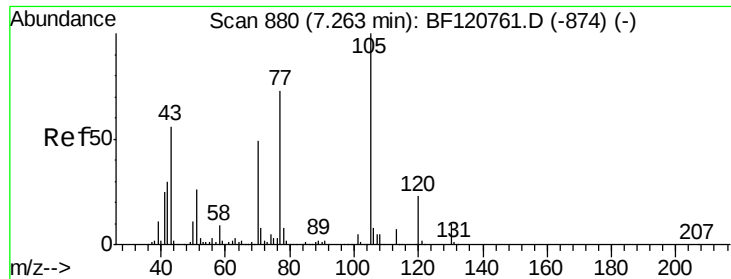
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#18
Hexachloroethane
Concen: 6.806 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	117	Resp	26537
Ion	Ratio	Lower	Upper
117	100		
119	90.2	77.9	116.9
201	89.1	68.3	102.5





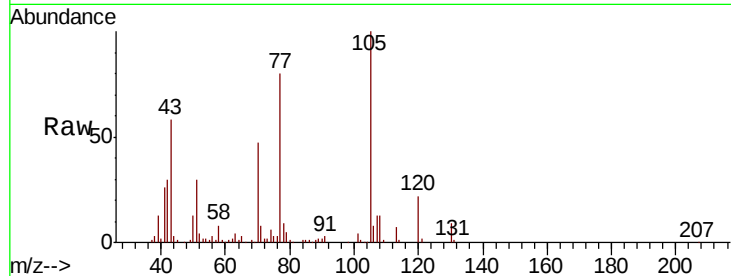
#19
n-Nitroso-di-n-propylamine
Concen: 6.680 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

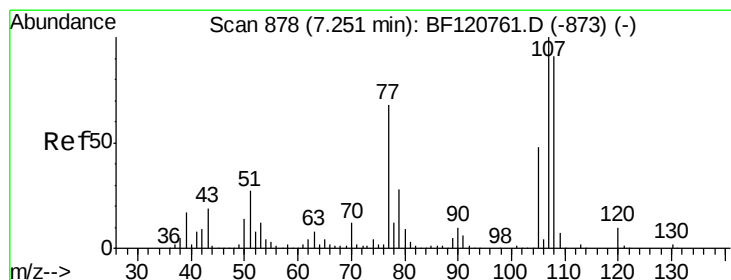
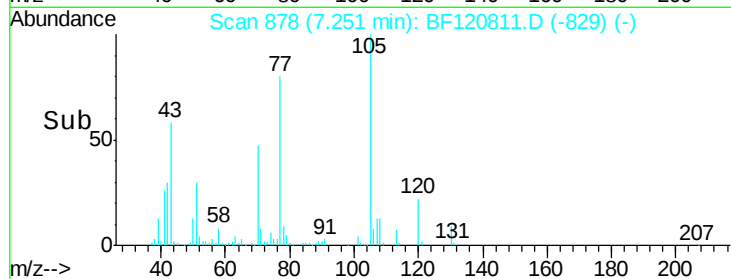
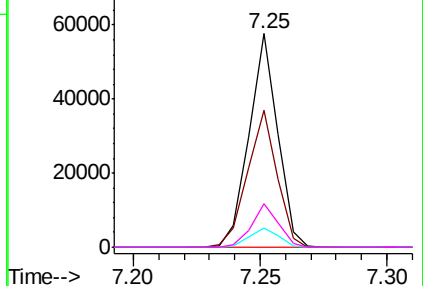
Tot Ion	Ratio	Lower	Upper
70	100		
42	64.4	50.3	75.5
101	9.2	7.5	11.3
130	20.3	16.1	24.1

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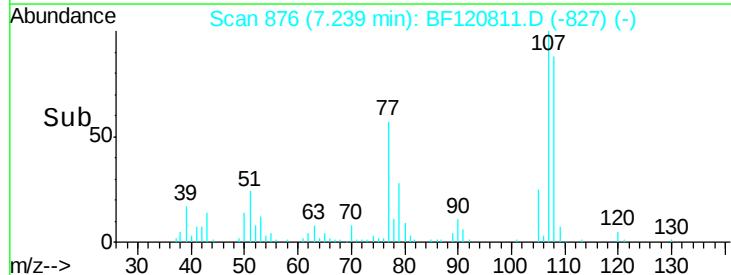
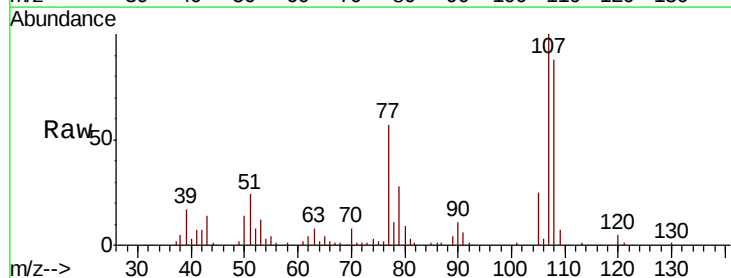
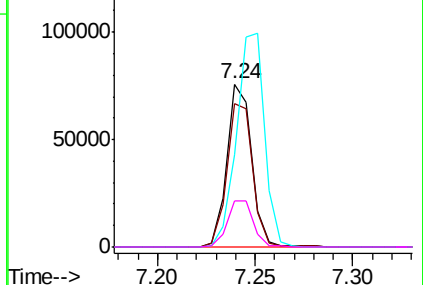
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

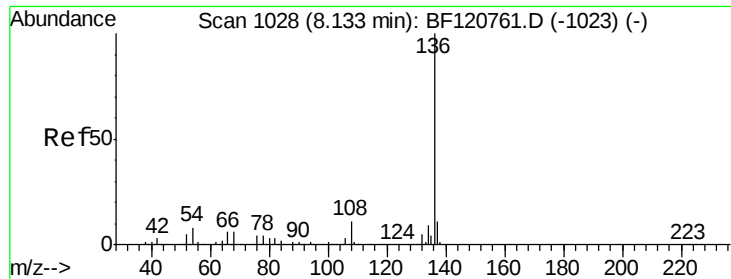


#20
3+4-Methylphenols
Concen: 6.413 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.7	70.9	110.9
77	56.8	48.3	88.3
79	28.3	7.8	47.8

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





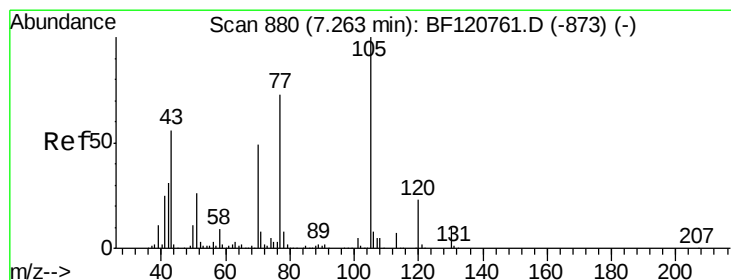
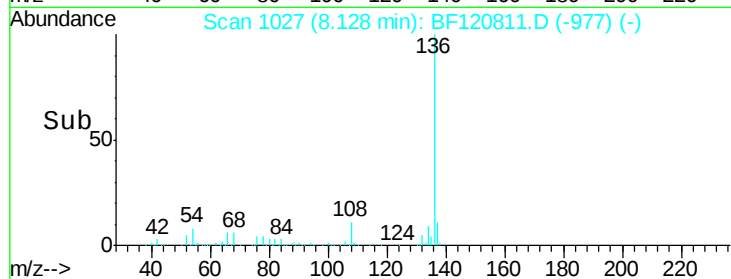
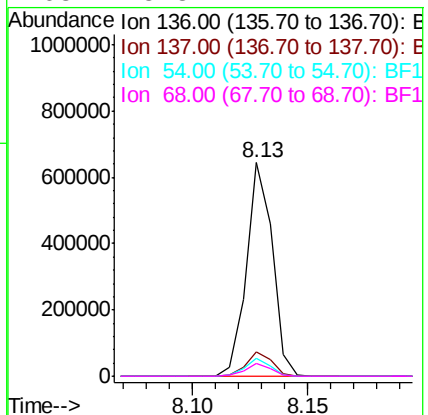
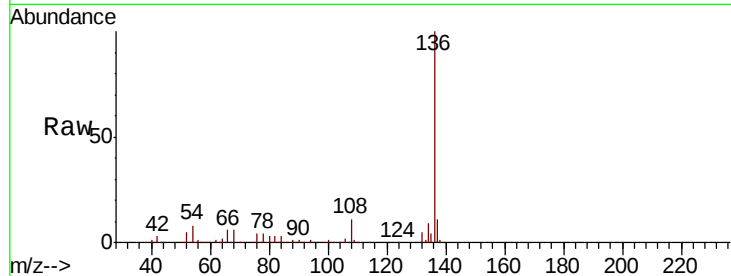
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.0	13.6	
54	8.4	6.2	9.4	
68	5.8	4.7	7.1	

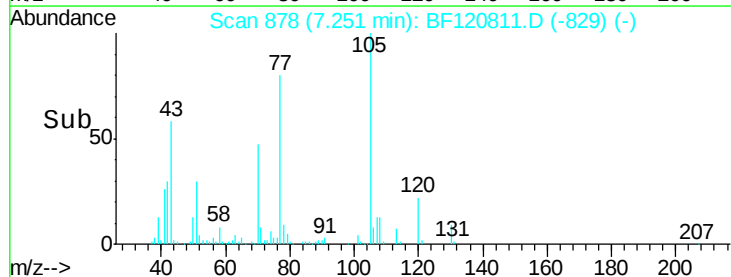
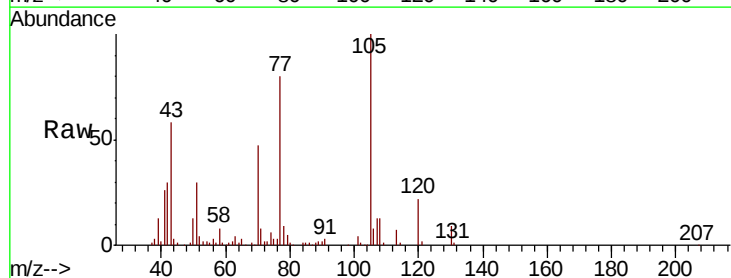
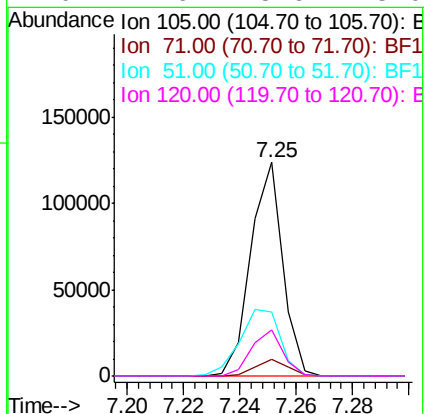
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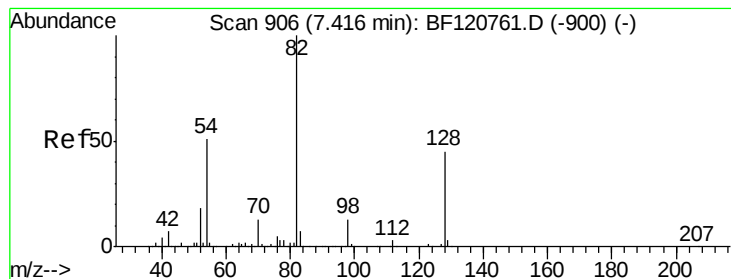
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#22
Acetophenone
Concen: 7.700 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.7	6.5	9.7	
51	29.7	21.0	31.4	
120	21.6	18.6	28.0	





#23

Nitrobenzene-d5

Concen: 79.651 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

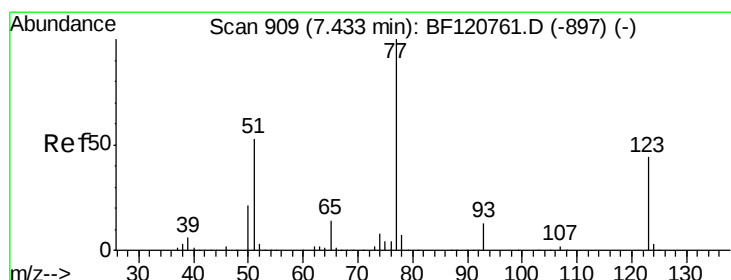
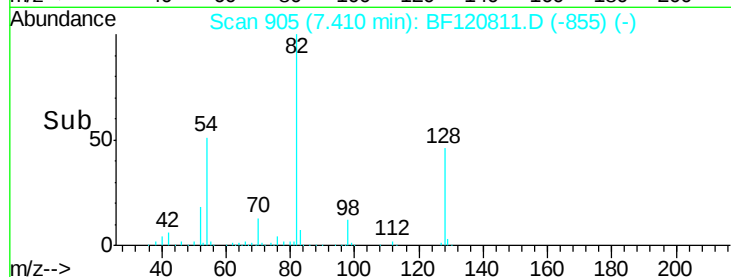
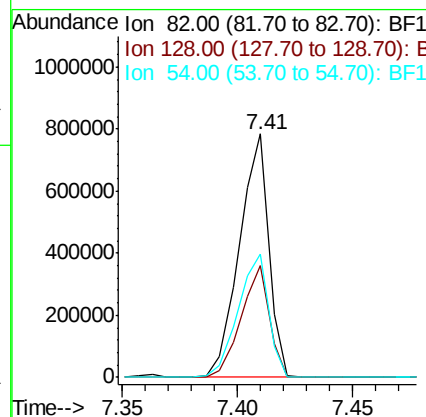
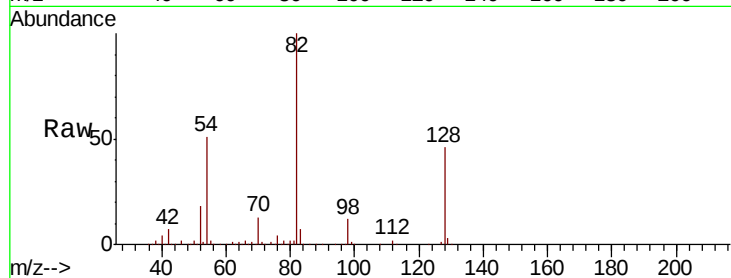
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	82	Resp:	697105
Ion Ratio	Lower	Upper	
82	100		
128	45.8	35.7	53.5
54	50.8	40.9	61.3

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#24

Nitrobenzene

Concen: 7.568 ng

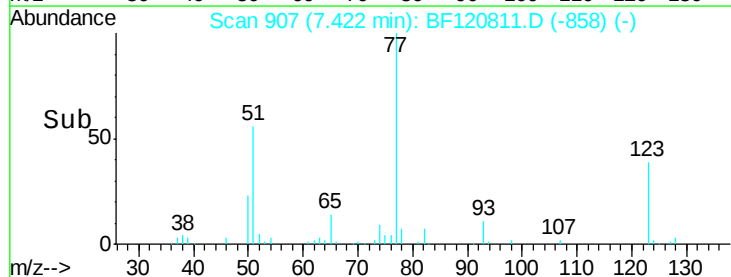
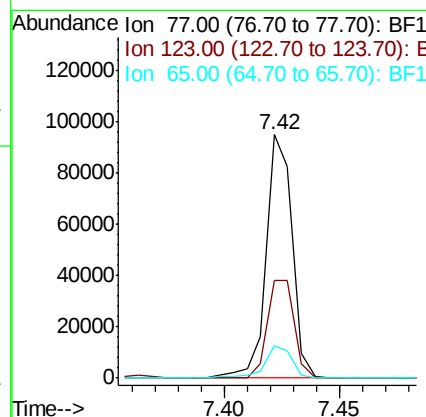
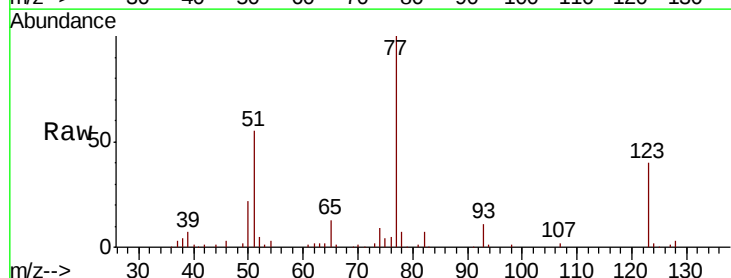
RT: 7.42 min Scan# 907

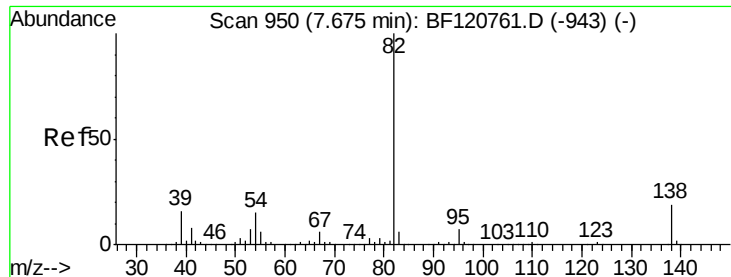
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	77	Resp:	74370
Ion Ratio	Lower	Upper	
77	100		
123	39.9	36.1	54.1
65	13.5	11.0	16.4





#25

Isophorone

Concen: 6.512 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

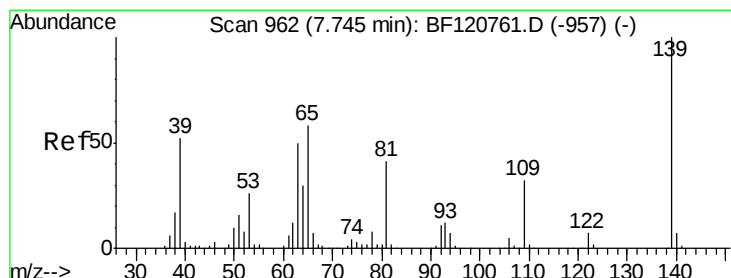
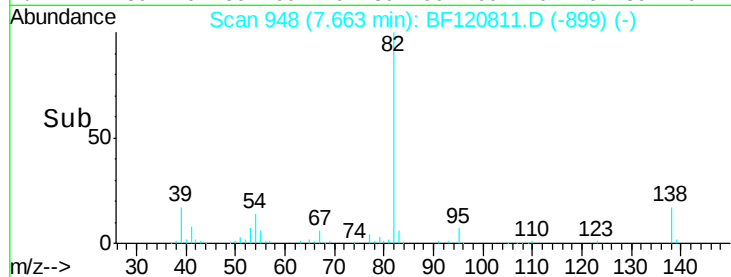
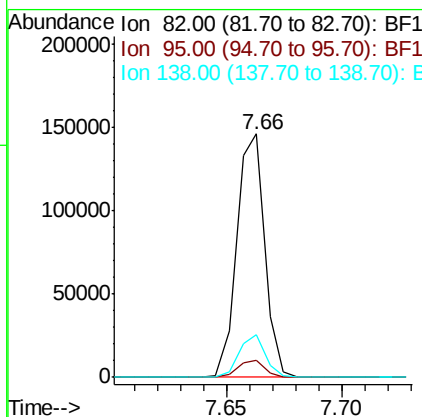
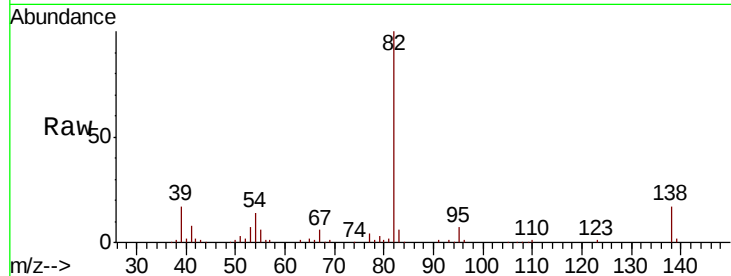
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	82	Resp:	122902
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.4	8.2
138	17.4	15.0	22.4

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#26

2-Nitrophenol

Concen: 6.077 ng

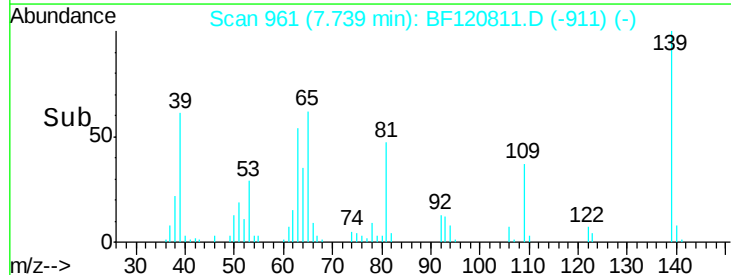
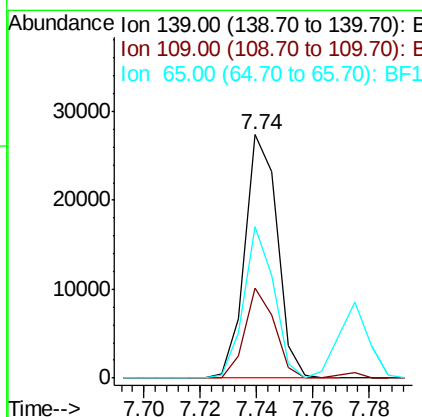
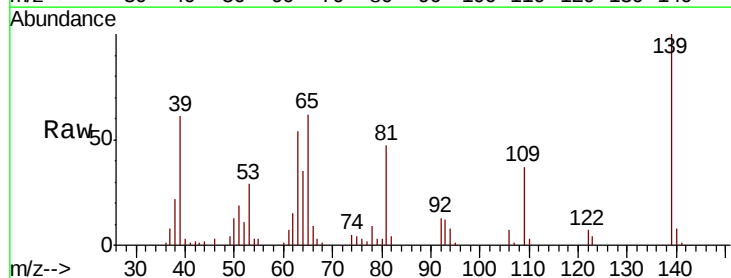
RT: 7.74 min Scan# 961

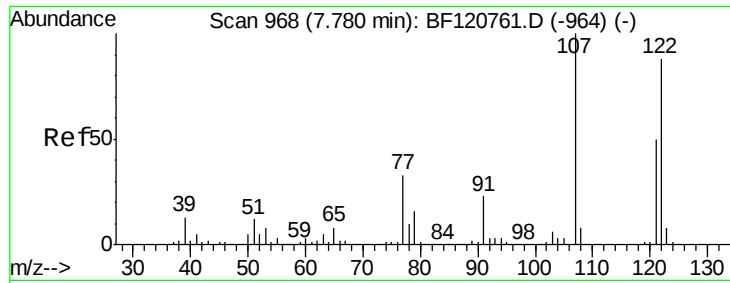
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	139	Resp:	21830
Ion Ratio		Lower	Upper
139	100		
109	36.7	25.3	37.9
65	62.2	46.2	69.2





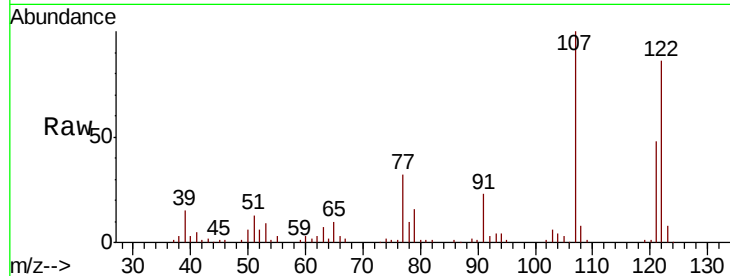
#27
2,4-Dimethylphenol
Concen: 7.144 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

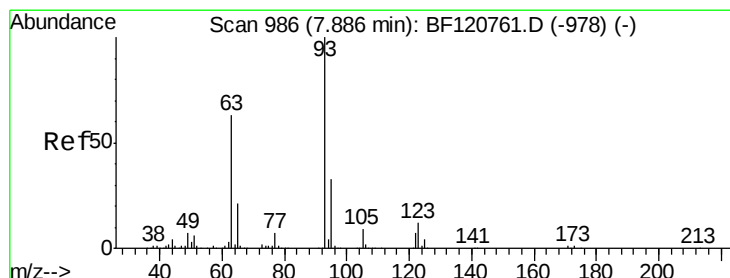
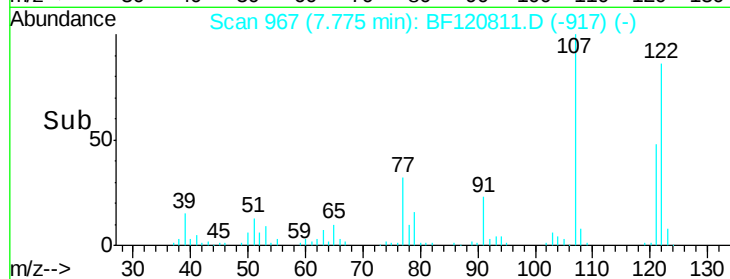
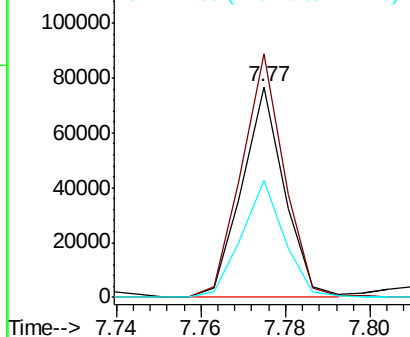
Tot Ion	Ratio	Lower	Upper
122	100		
107	115.8	90.7	136.1
121	55.5	45.4	68.0

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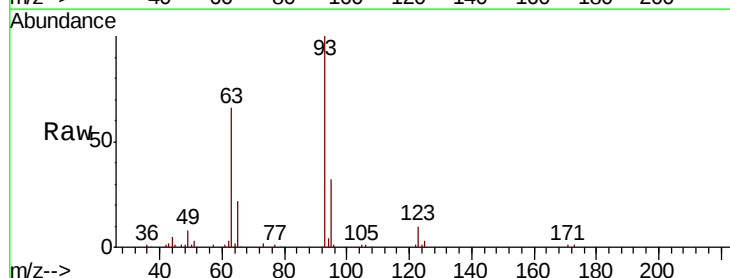


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

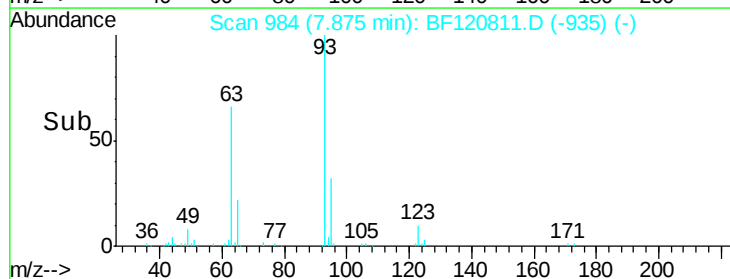
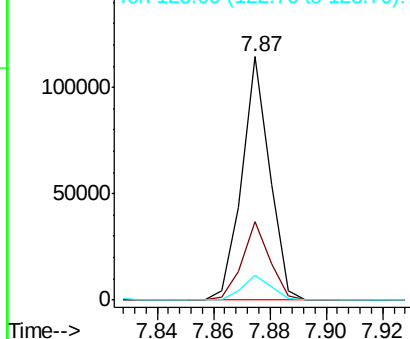


#28
bis(2-Chloroethoxy)methane
Concen: 7.020 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.4	39.6
123	10.0	10.2	15.2#



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





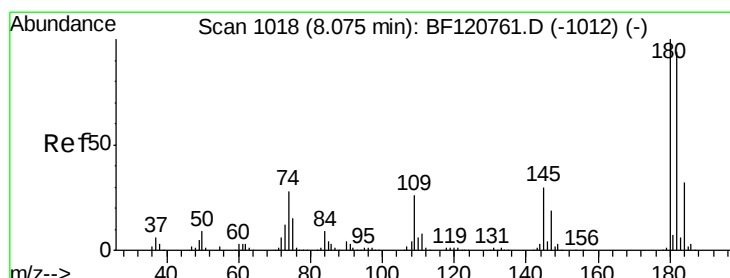
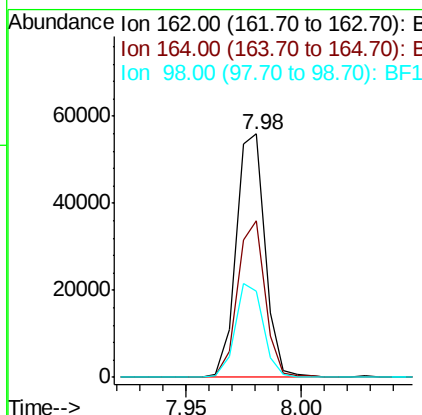
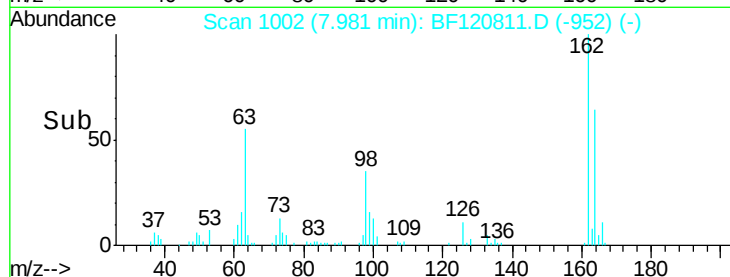
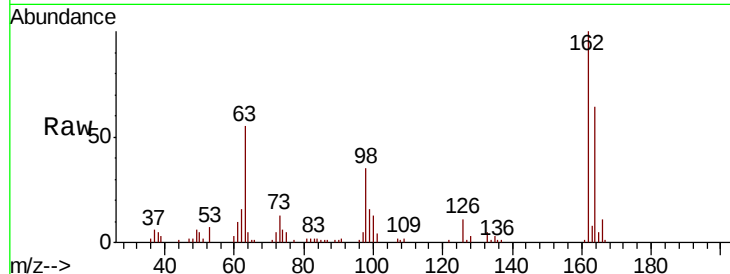
#29
2,4-Dichlorophenol
Concen: 6.505 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	45.2	85.2
98	35.3	17.0	57.0

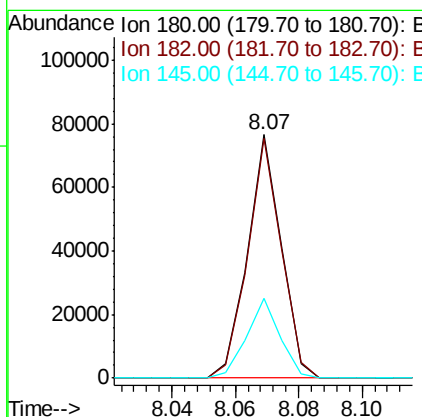
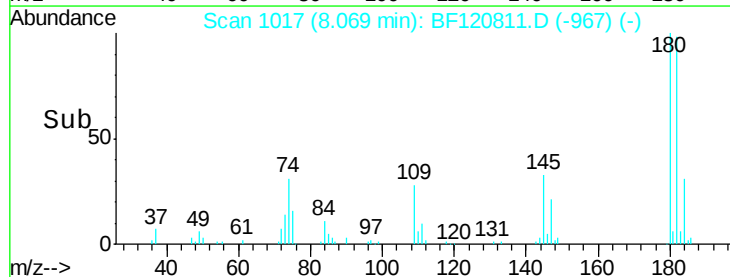
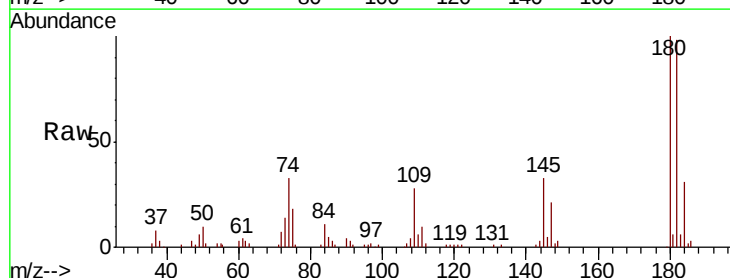
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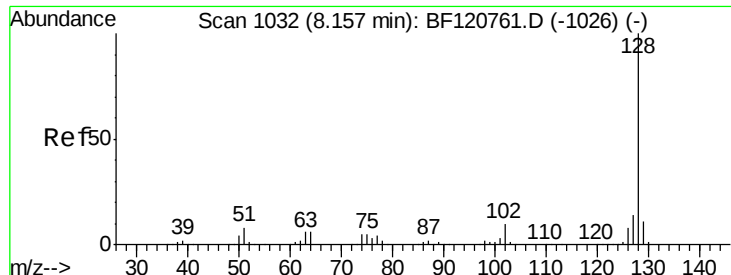
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#30
1,2,4-Trichlorobenzene
Concen: 6.677 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.5	113.3
145	32.8	24.1	36.1





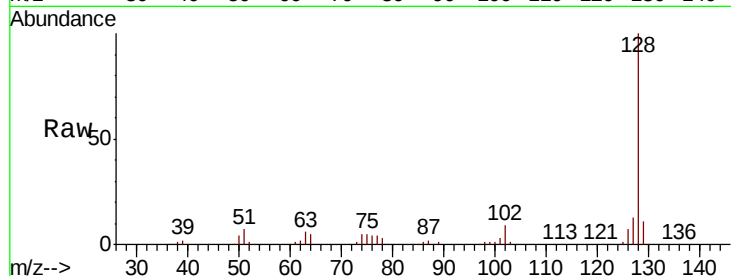
#31
Naphthalene
Concen: 7.240 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

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

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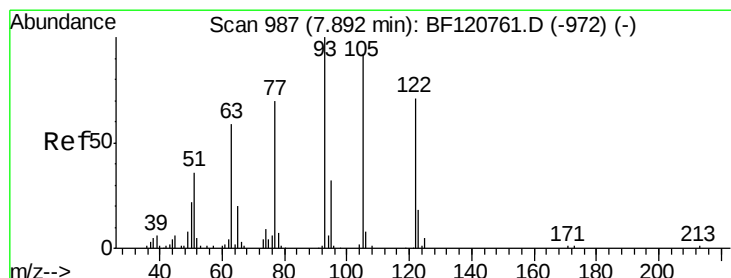
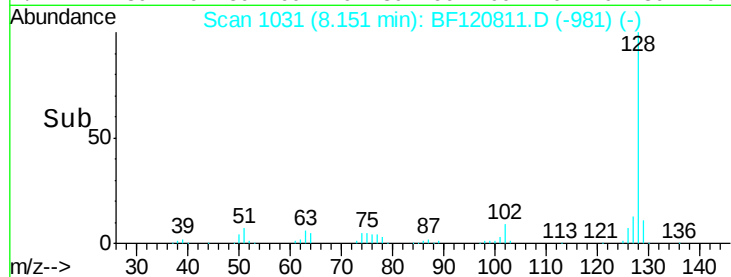
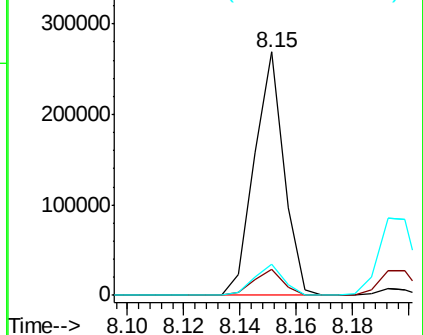


Abundance

Ion 128.00 (127.70 to 128.70): E

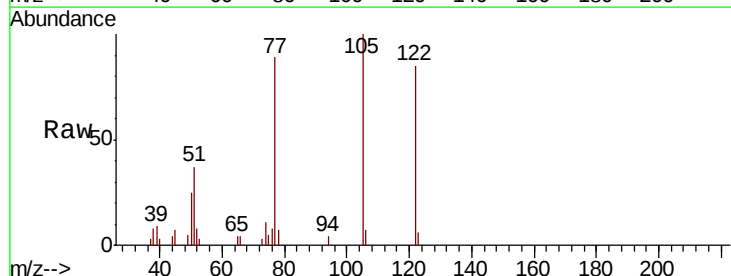
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 4.385 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.1	105.8	145.8
77	103.8	77.3	117.3

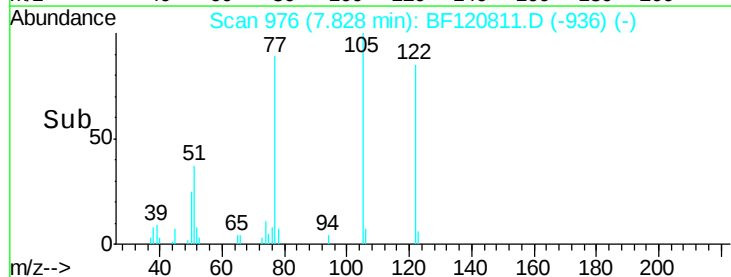
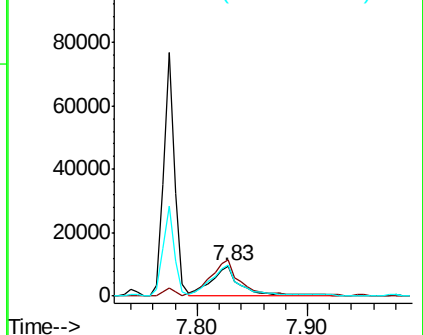


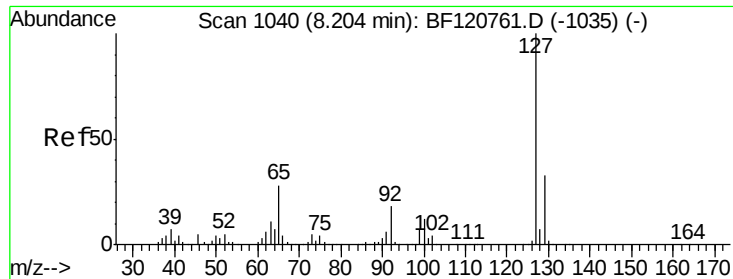
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





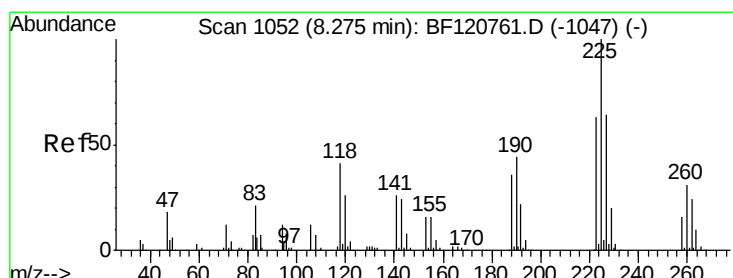
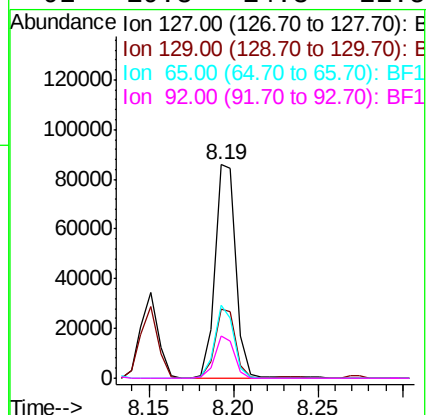
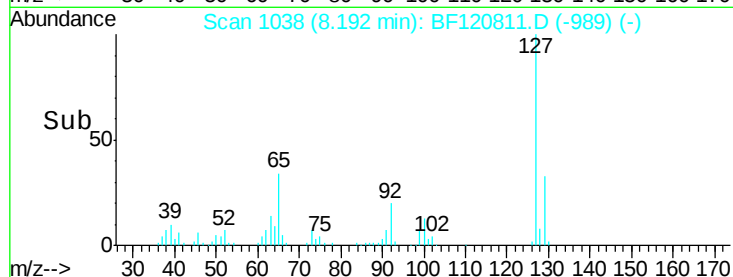
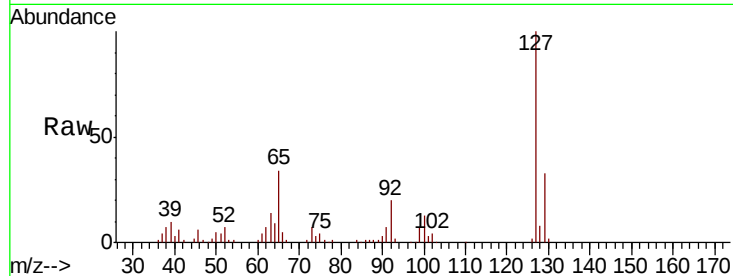
#33
4-Chloroaniline
Concen: 6.536 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	26.6	39.8		
65	33.9	22.7	34.1		
92	19.8	14.3	21.5		

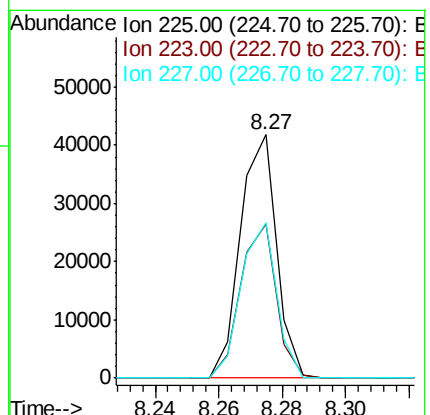
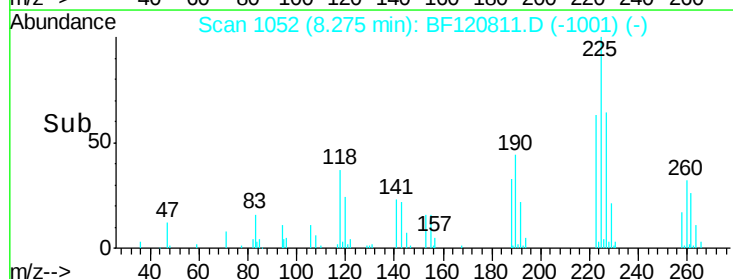
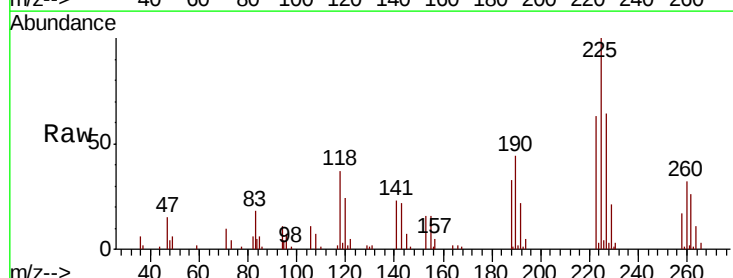
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#34
Hexachlorobutadiene
Concen: 6.497 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.0	50.6	76.0		
227	61.5	51.4	77.2		





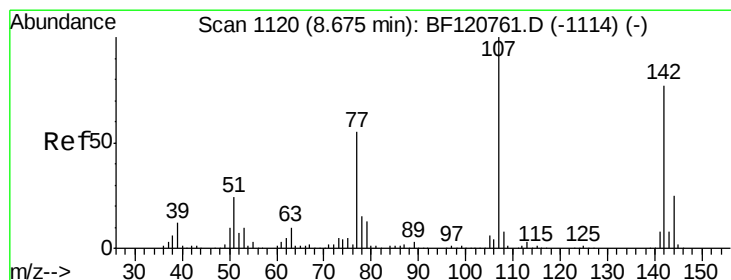
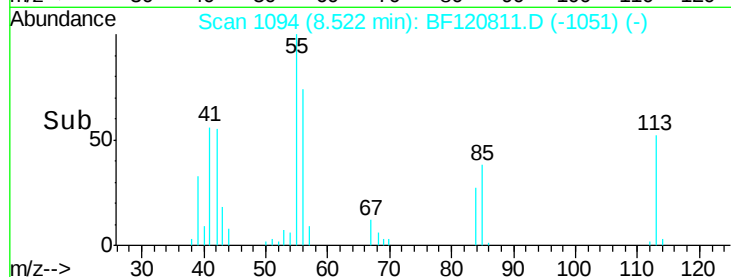
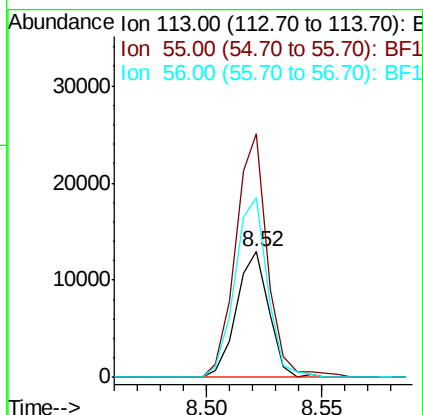
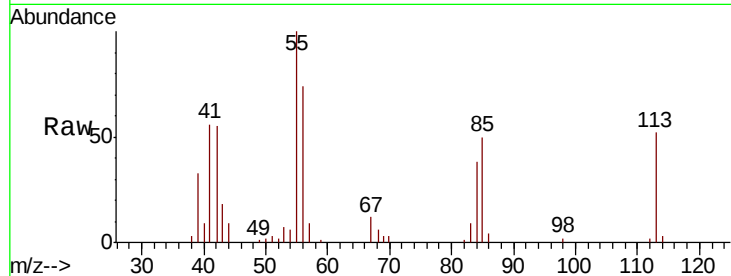
#35
 Caprolactam
 Concen: 5.777 ng
 RT: 8.52 min Scan# 1094
 Delta R.T. -0.05 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
113	100		
55	194.1	168.3	208.3
56	143.5	118.8	158.8

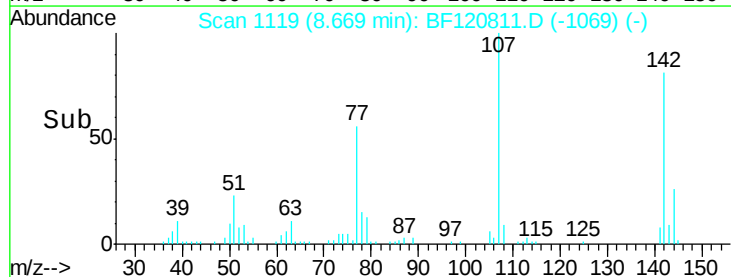
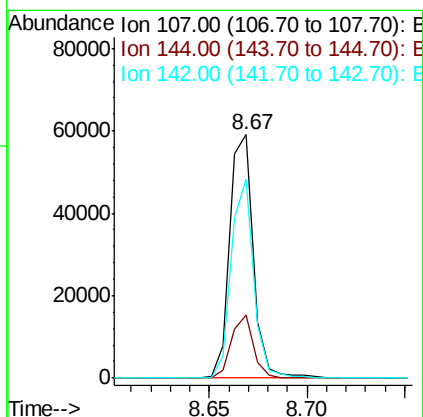
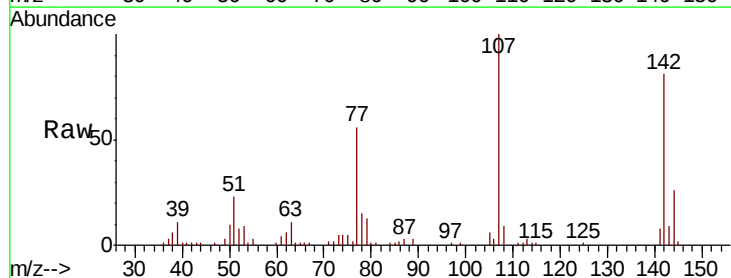
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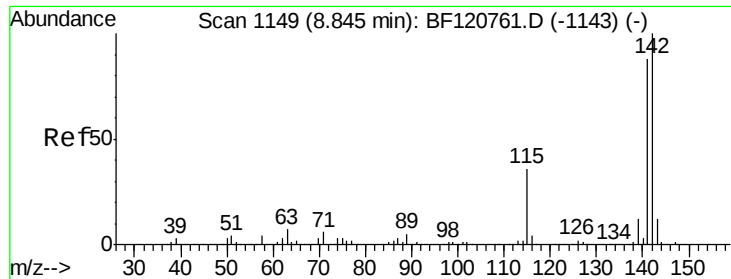
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#36
 4-Chloro-3-methylphenol
 Concen: 6.344 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.7	19.7	29.5
142	81.4	61.2	91.8





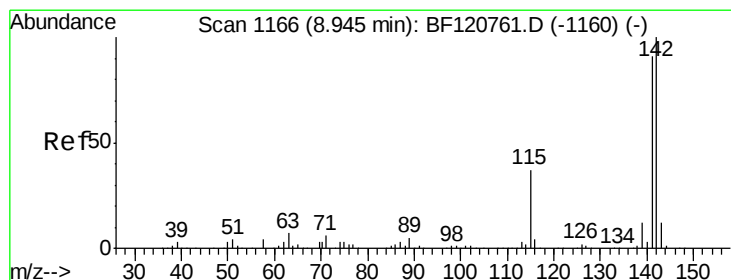
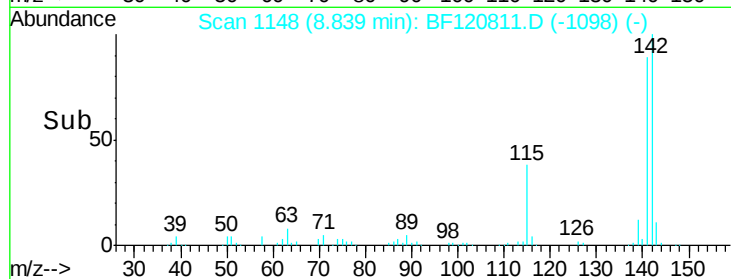
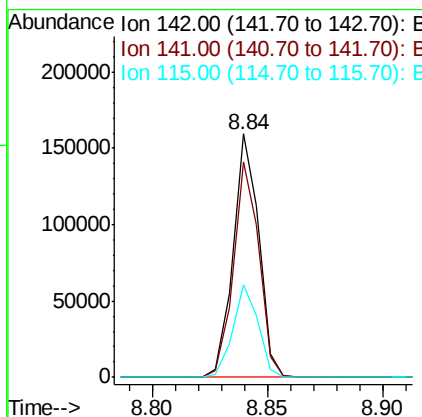
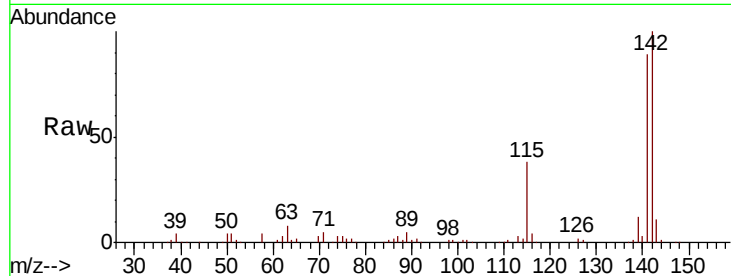
#37
2-Methylnaphthalene
Concen: 6.983 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.2	105.4
115	38.1	29.0	43.4

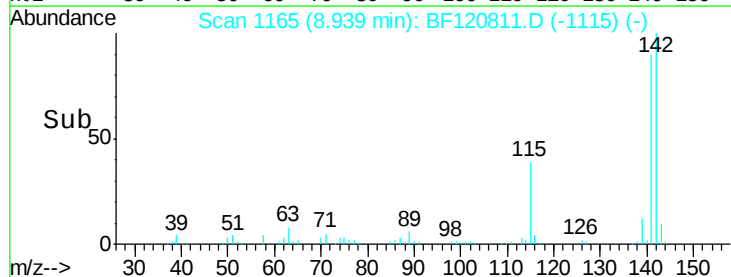
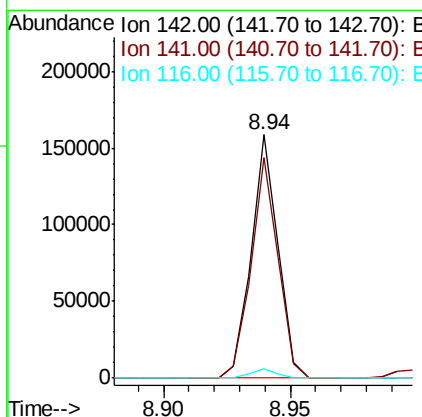
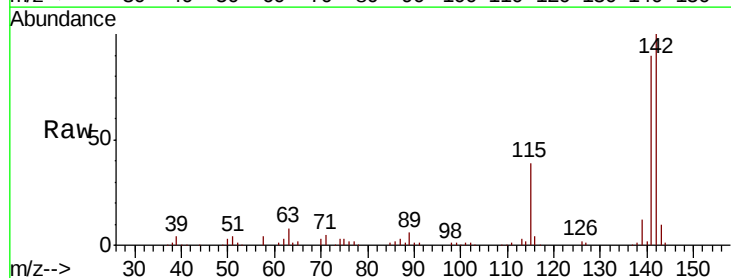
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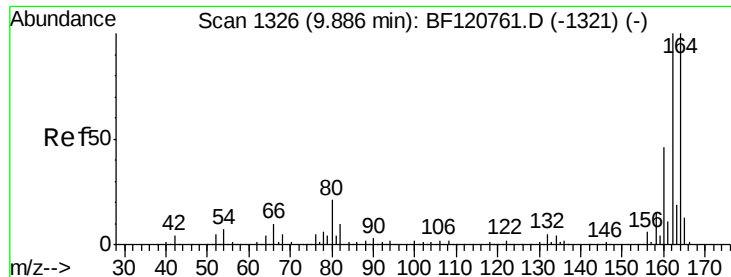
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#38
1-Methylnaphthalene
Concen: 7.082 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.5	108.7
116	4.1	3.1	4.7





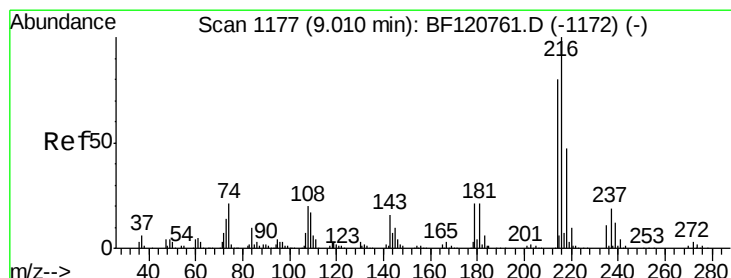
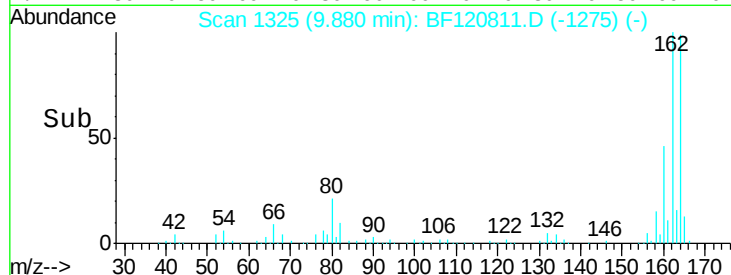
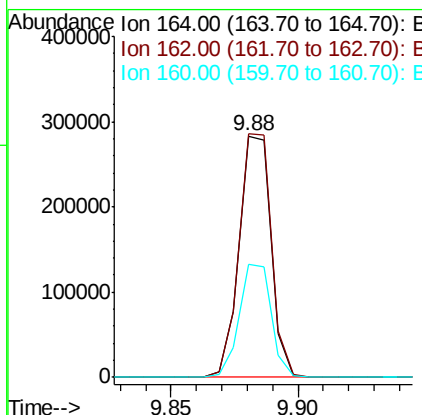
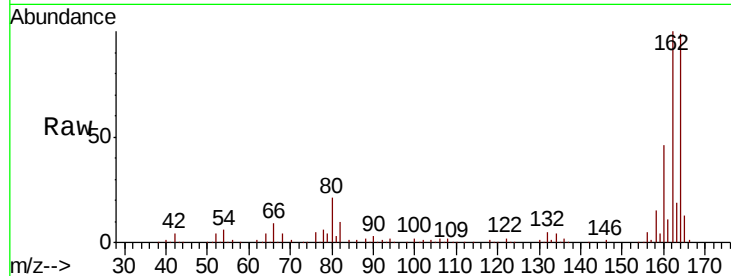
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	46.6	36.9	55.3

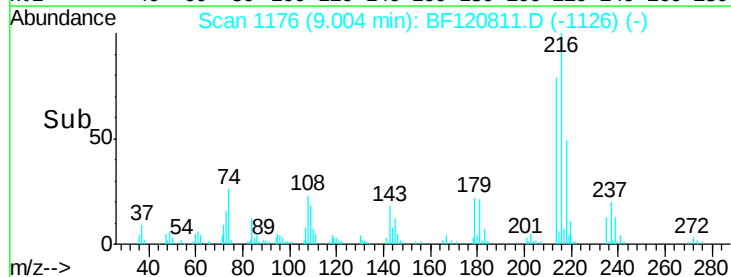
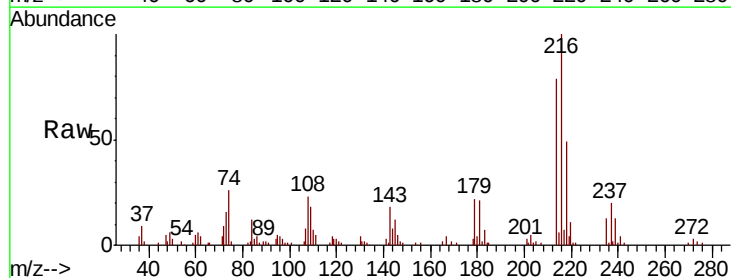
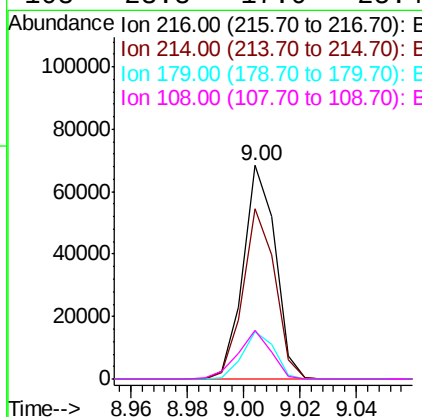
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.281 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	21.9	16.7	25.1
108	23.8	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 5.931 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

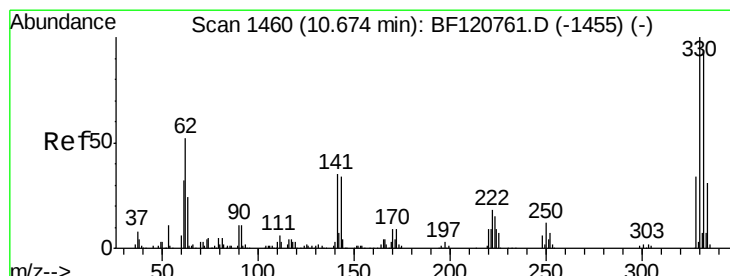
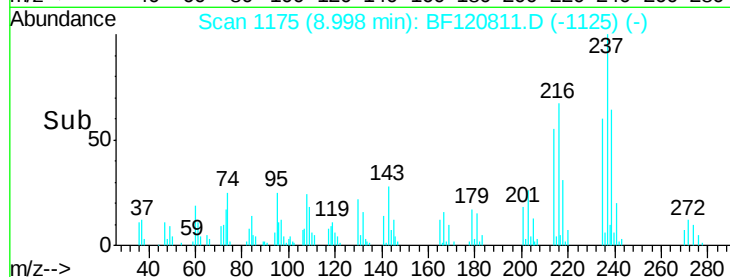
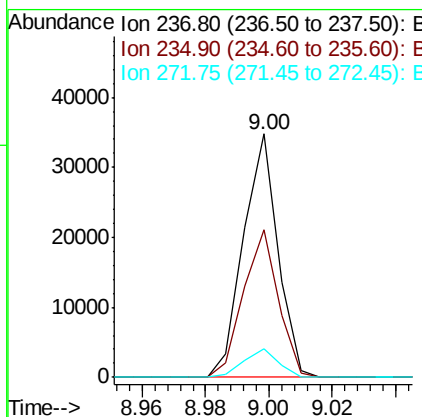
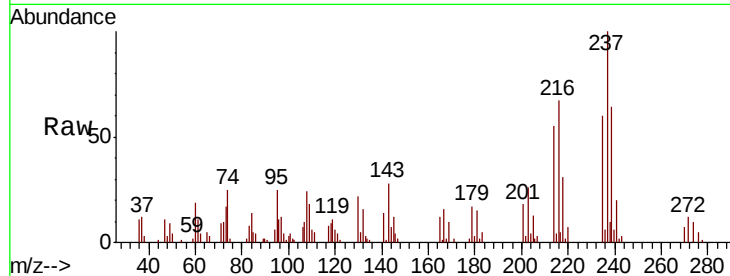
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	237	Resp:	26175
Ion Ratio	Lower	Upper	
237	100		
235	60.5	42.1	82.1
272	11.6	0.0	33.4

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#42

2,4,6-Tribromophenol

Concen: 98.903 ng

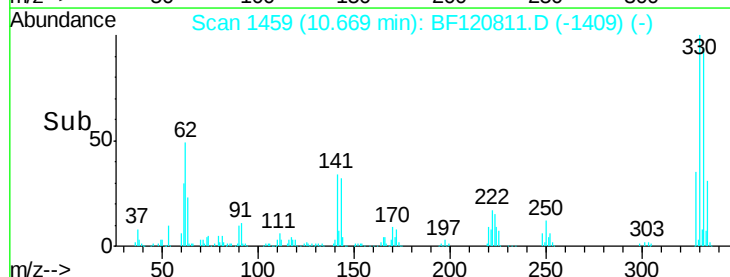
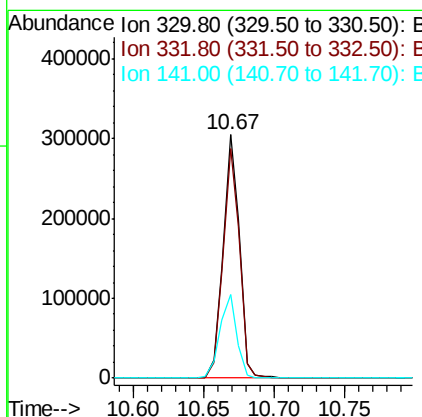
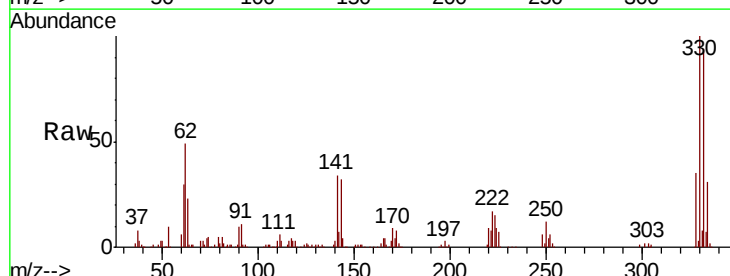
RT: 10.67 min Scan# 1459

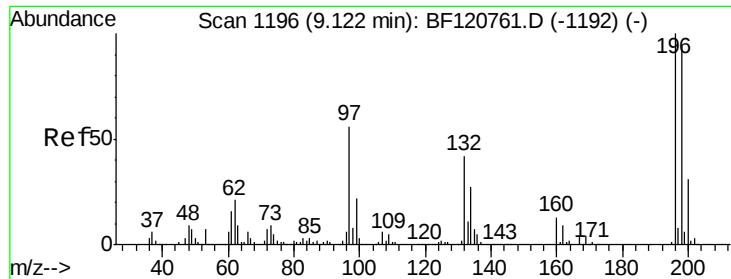
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	330	Resp:	245573
Ion Ratio	Lower	Upper	
330	100		
332	94.7	75.8	113.6
141	35.8	29.7	44.5





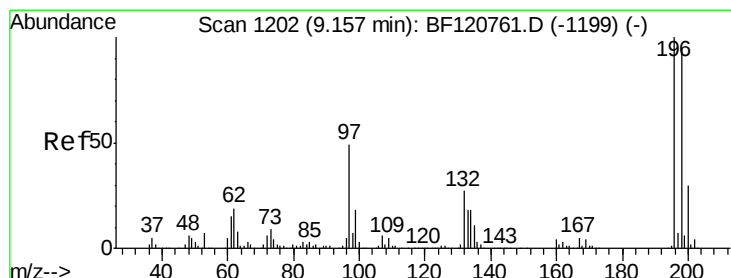
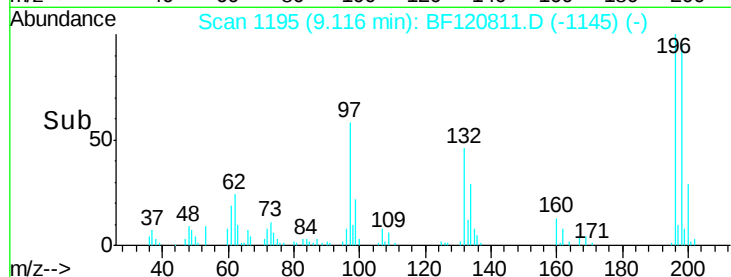
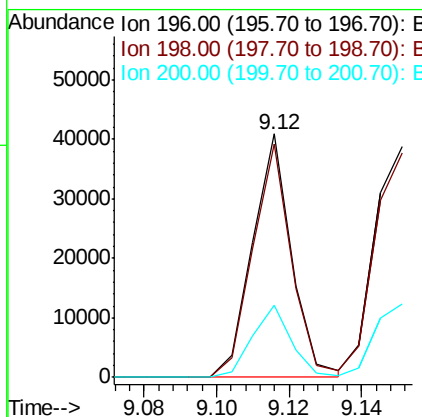
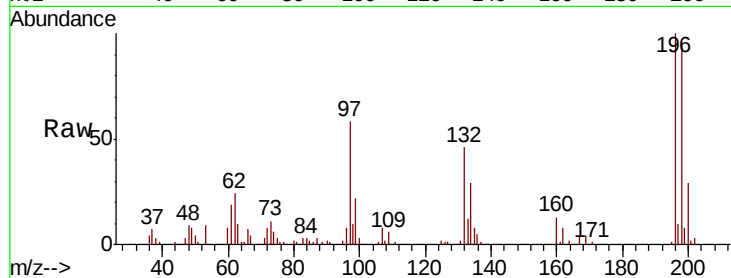
#43
 2,4,6-Trichlorophenol
 Concen: 5.948 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
196	100	30275		
198	95.9	75.3	112.9	
200	29.4	24.4	36.6	

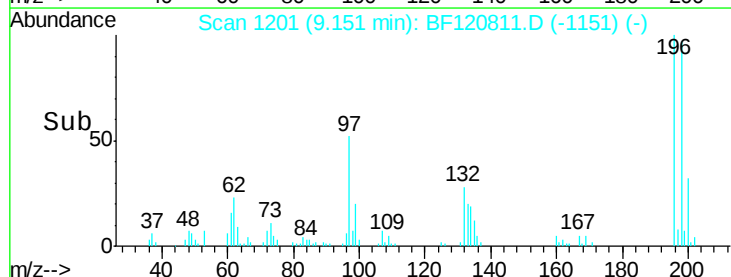
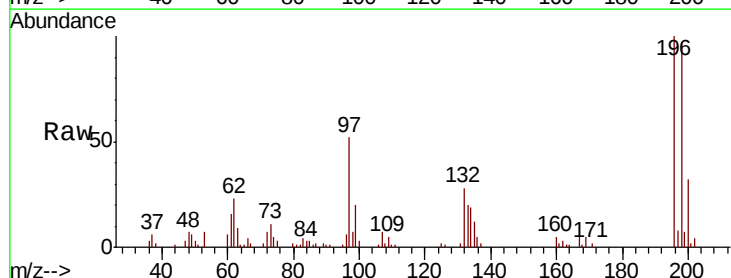
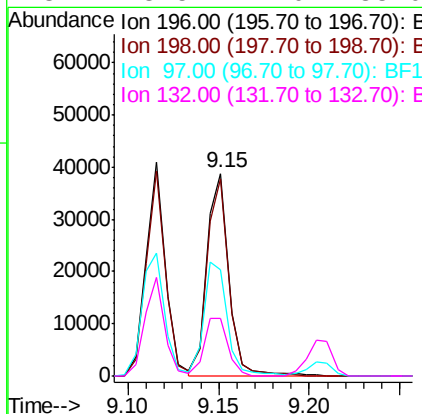
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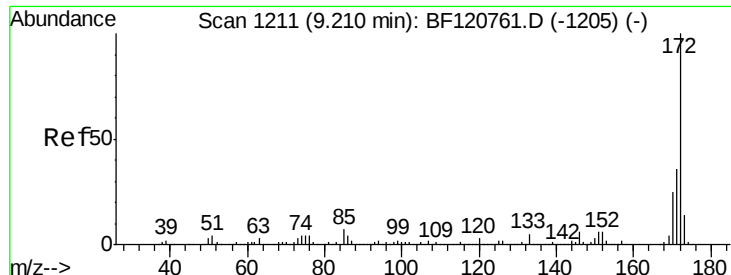
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#44
 2,4,5-Trichlorophenol
 Concen: 5.834 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	32953		
198	97.1	76.2	114.2	
97	52.2	39.6	59.4	
132	28.5	22.0	33.0	





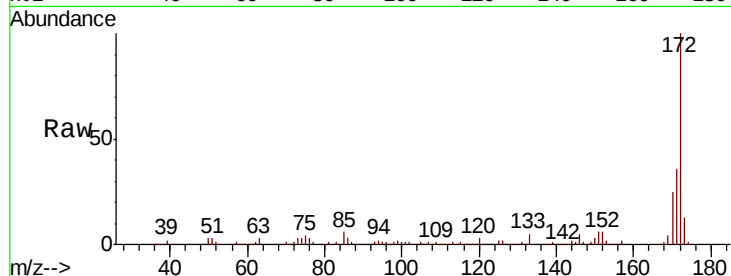
#45
2-Fluorobiphenyl
Concen: 77.930 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

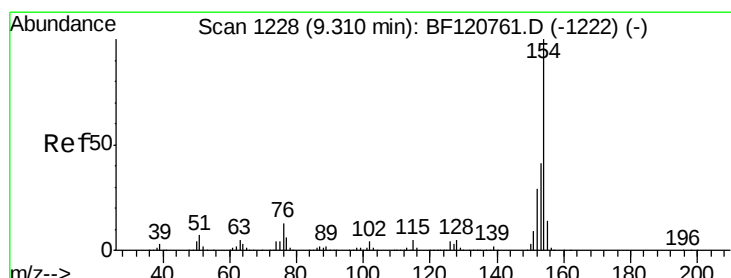
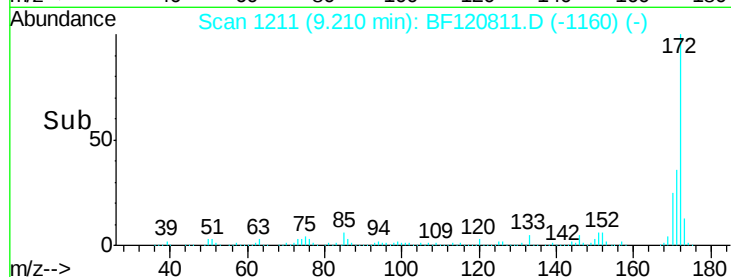
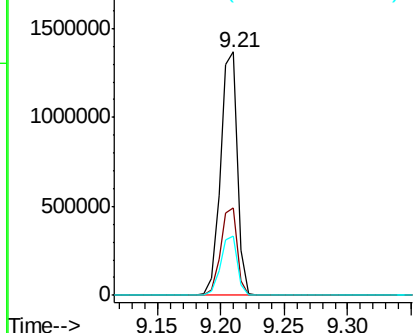
Tot Ion:172 Resp: 1273040
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 24.5 19.8 29.6

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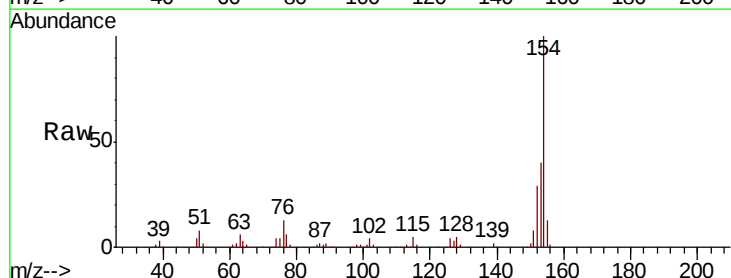


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

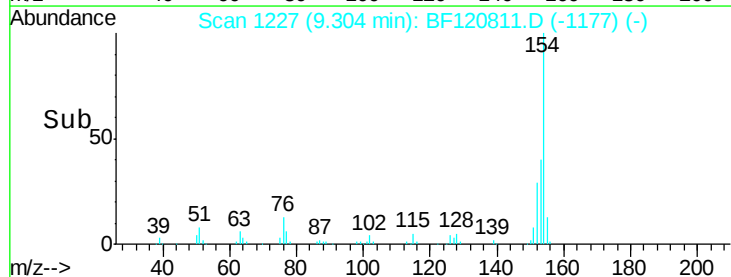
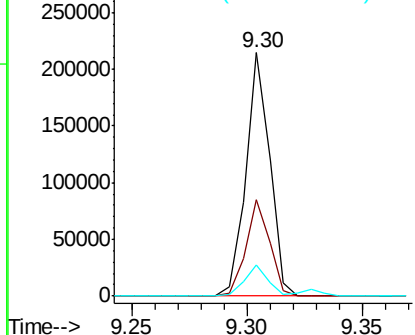


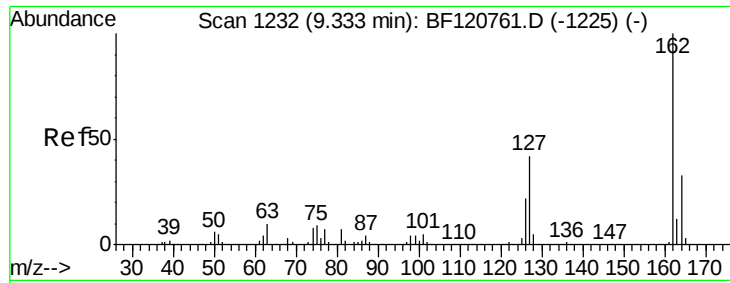
#46
1,1'-Biphenyl
Concen: 7.778 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion:154 Resp: 155066
Ion Ratio Lower Upper
154 100
153 39.7 20.7 60.7
76 12.8 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





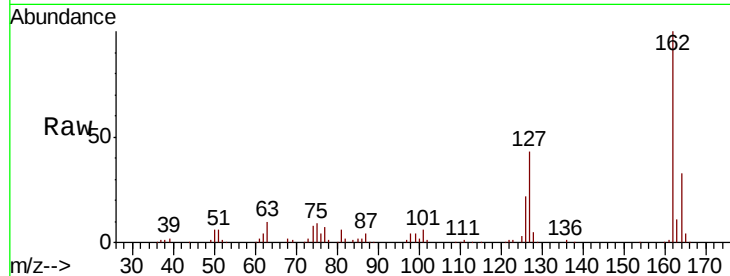
#47
 2-Chloronaphthalene
 Concen: 6.875 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

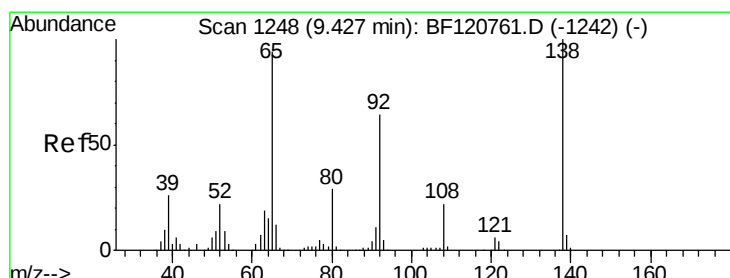
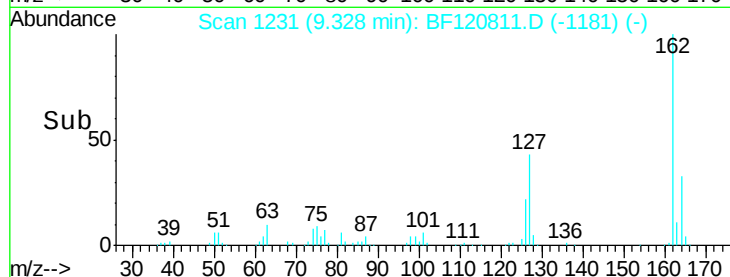
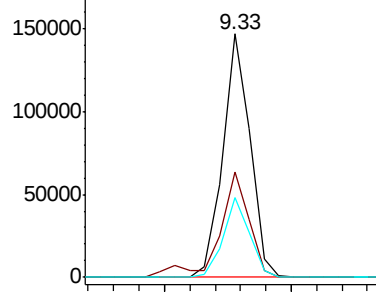
Tot Ion:	162	Resp:	109796
Ion Ratio	Lower	Upper	
162	100		
127	43.4	33.7	50.5
164	32.6	26.4	39.6

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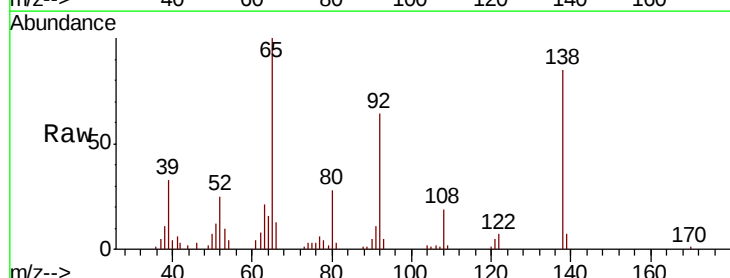


Abundance Ion 162.00 (161.70 to 162.70): E
 200000
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

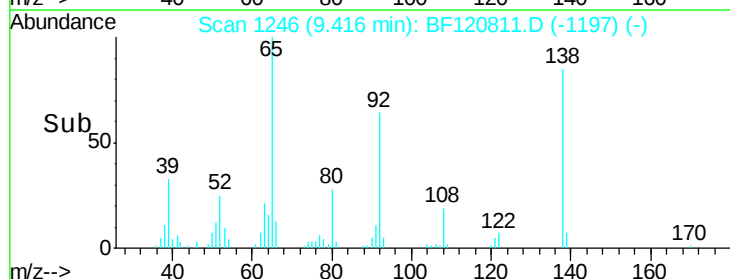
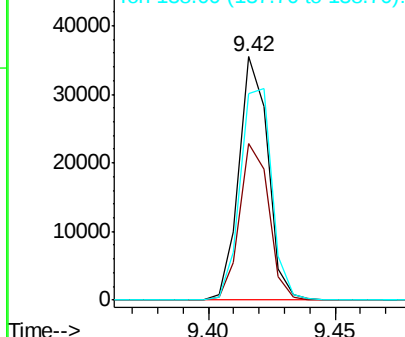


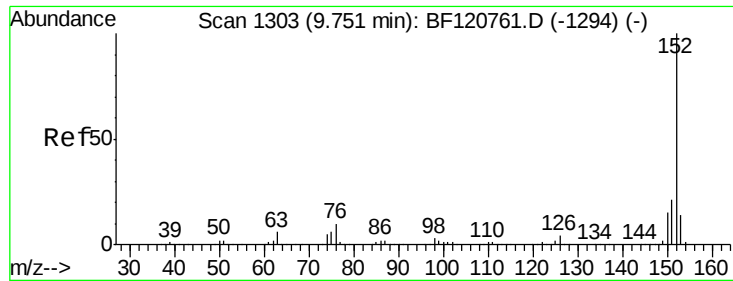
#48
 2-Nitroaniline
 Concen: 6.625 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion:	65	Resp:	28311
Ion Ratio	Lower	Upper	
65	100		
92	64.1	54.4	81.6
138	85.0	84.7	127.1



Abundance Ion 65.00 (64.70 to 65.70): BF1
 40000
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





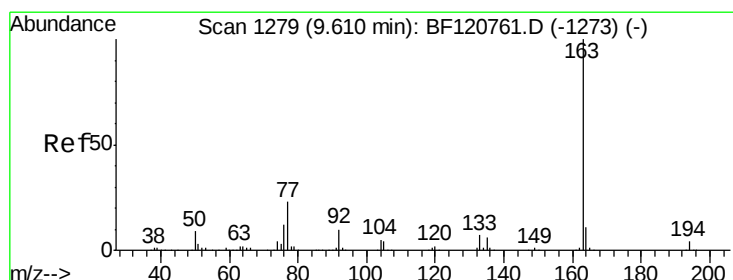
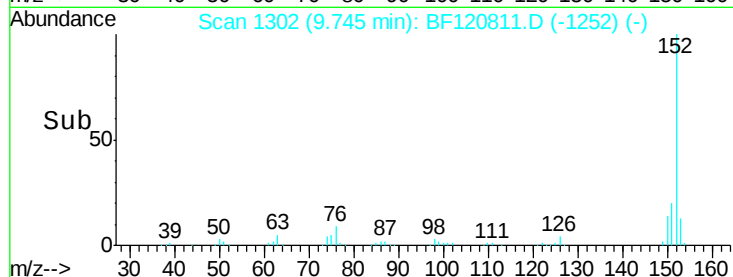
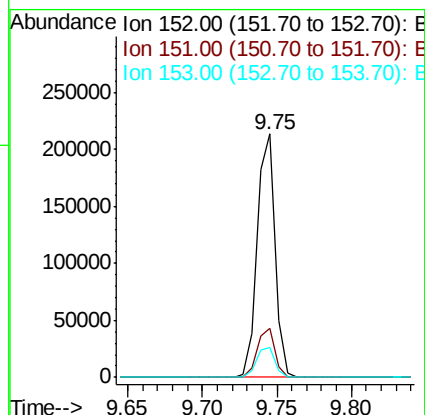
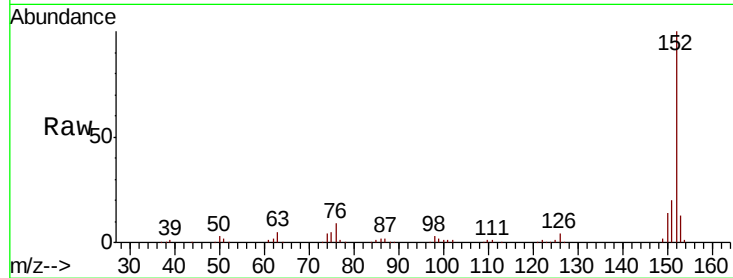
#49
Acenaphthylene
Concen: 6.973 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.9	25.3
153	12.5	10.8	16.2

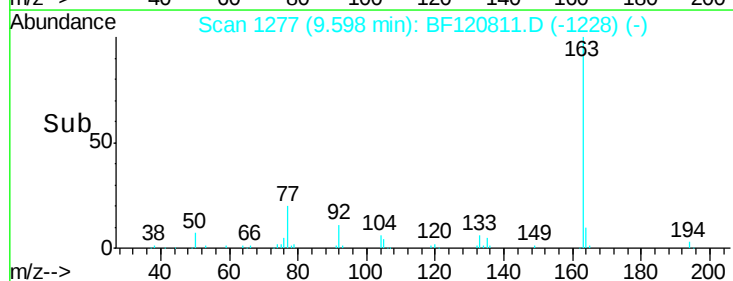
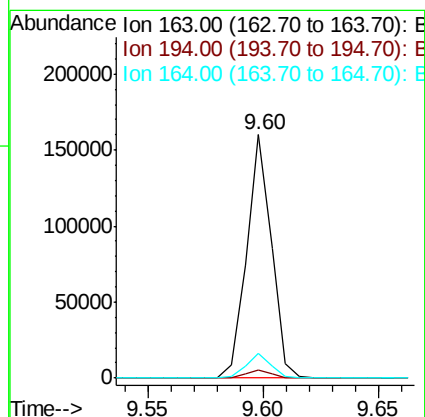
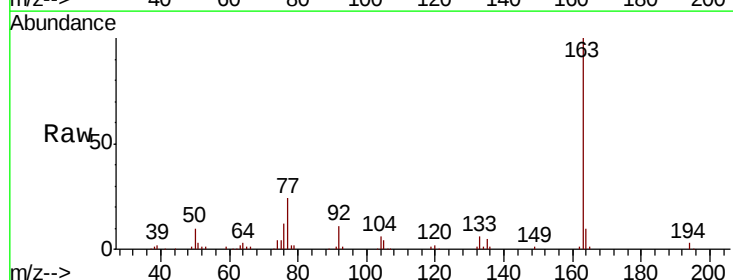
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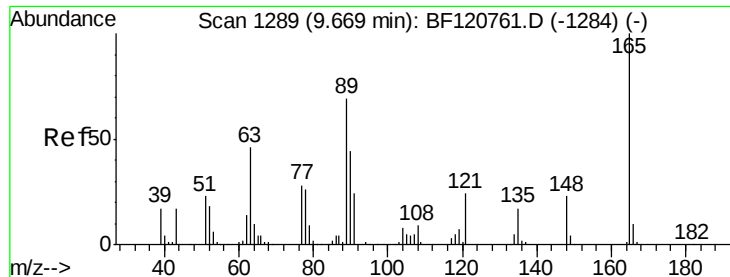
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#50
Dimethylphthalate
Concen: 6.646 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	9.9	8.5	12.7





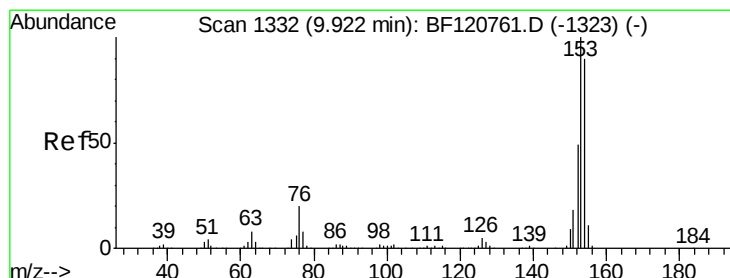
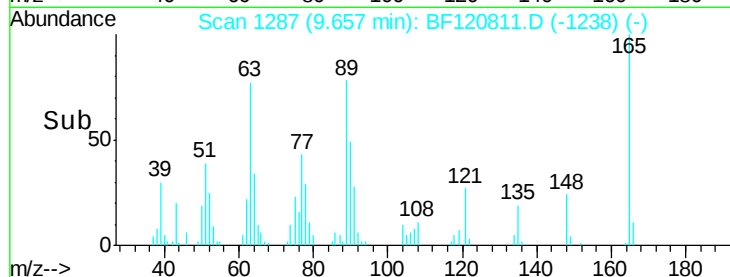
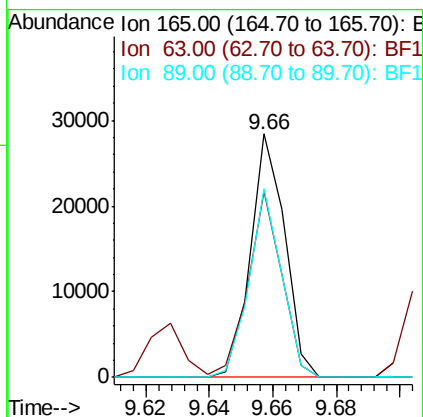
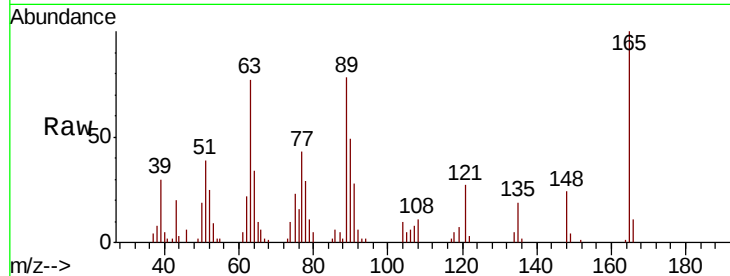
#51
2,6-Dinitrotoluene
Concen: 6.537 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	21292		
63	76.6	54.0	81.0	
89	77.5	55.4	83.2	

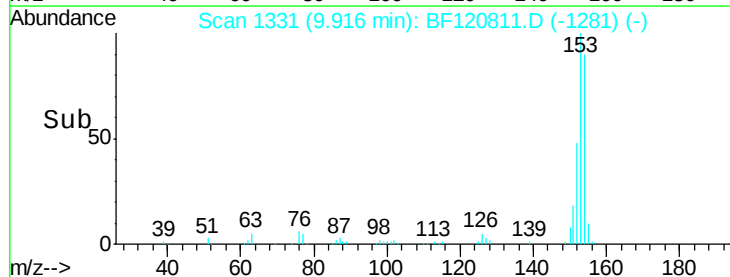
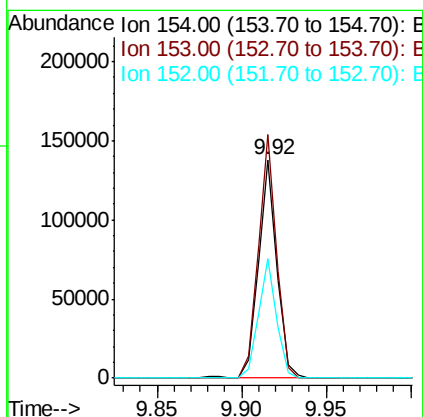
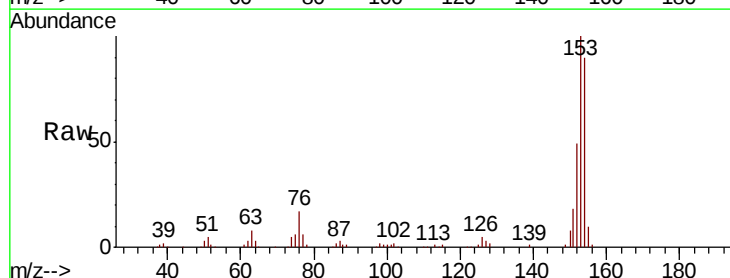
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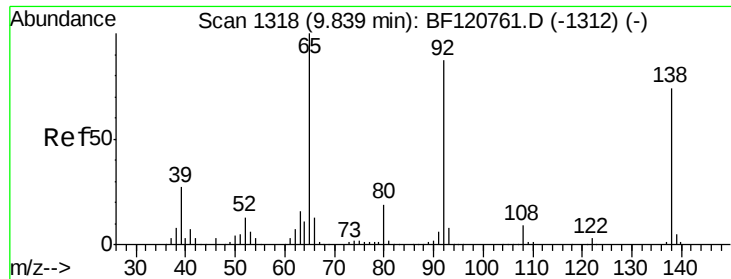
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#52
Acenaphthene
Concen: 6.807 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	105738		
153	111.7	88.6	132.8	
152	54.6	43.6	65.4	





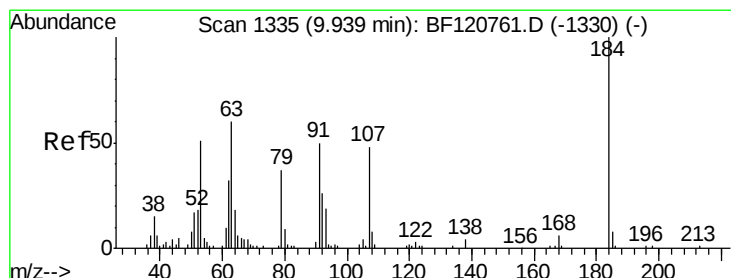
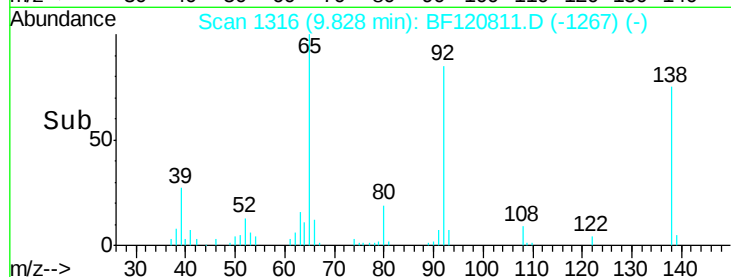
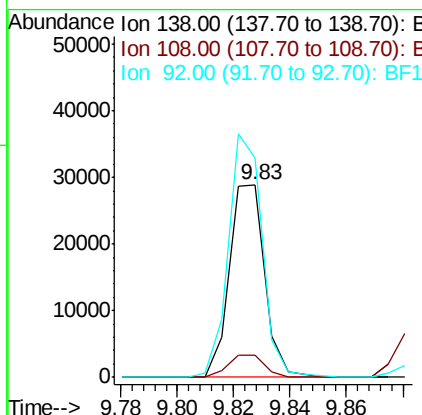
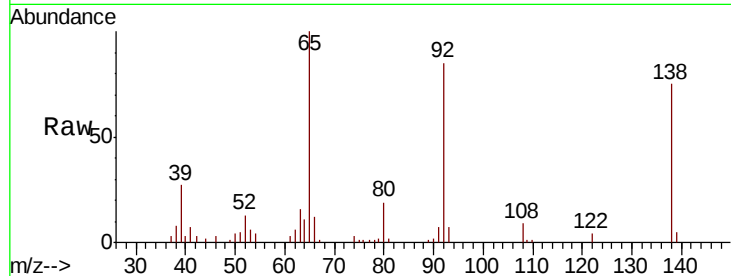
#53
3-Nitroaniline
Concen: 6.241 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.8	14.6
92	114.0	93.4	140.2

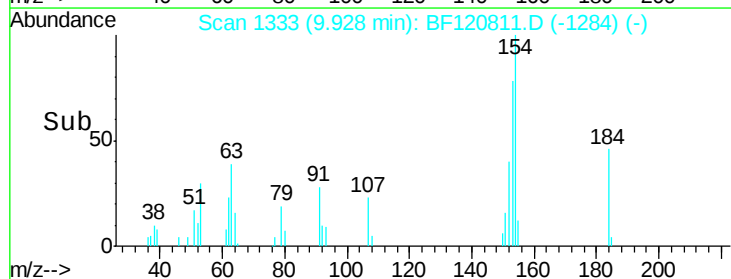
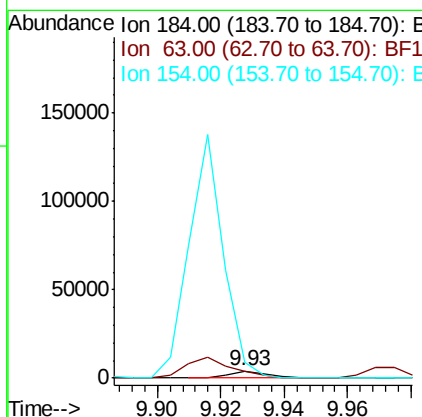
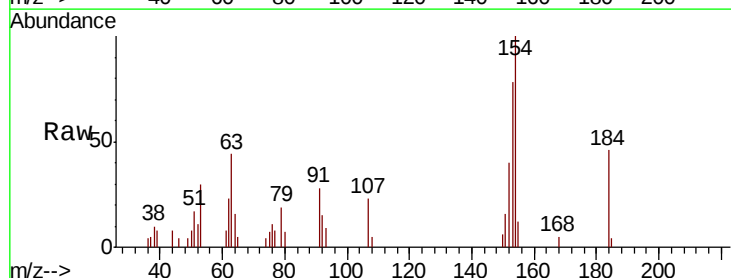
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#54
2,4-Dinitrophenol
Concen: 2.860 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
184	100		
63	95.0	57.3	85.9#
154	218.0	55.8	83.6#





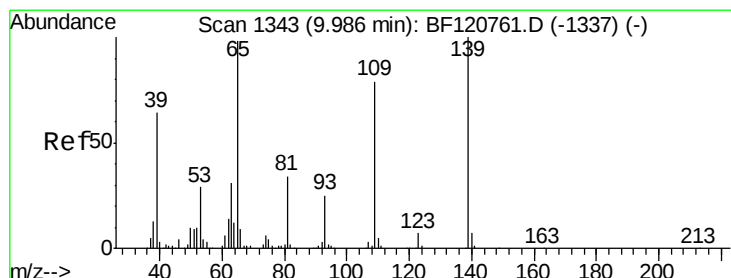
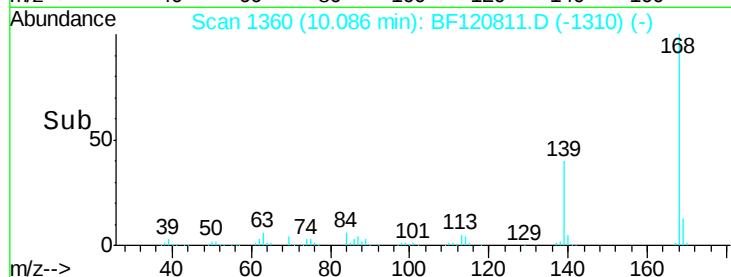
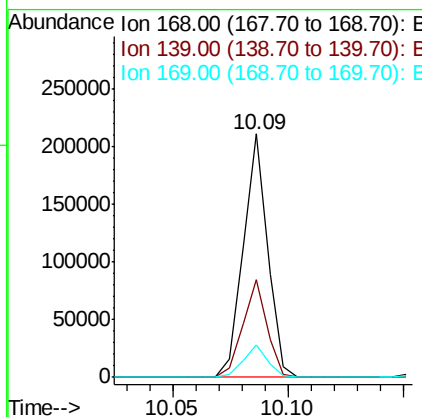
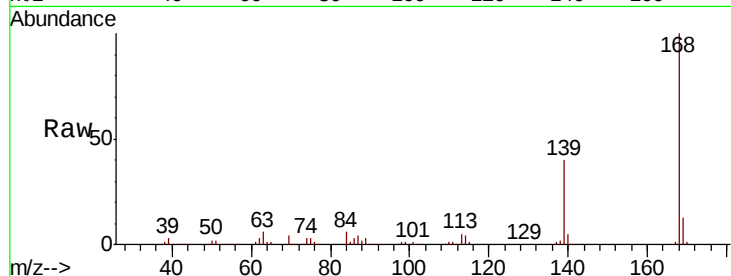
#55
Dibenzenofuran
Concen: 6.953 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
168	100	155687		
139	39.9	31.3	46.9	
169	13.1	11.2	16.8	

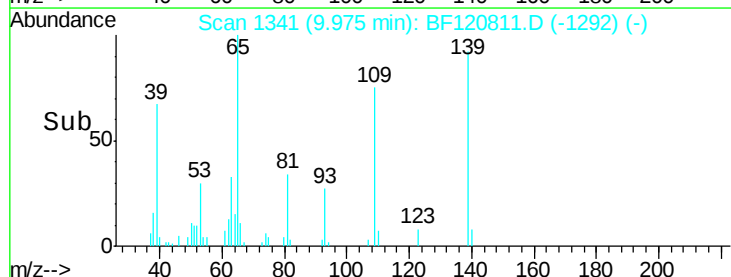
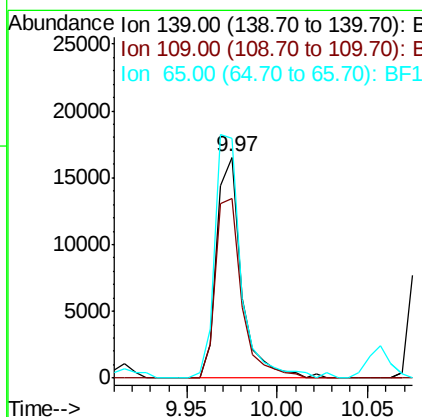
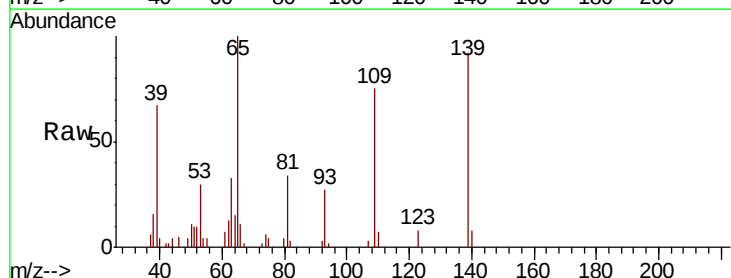
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#56
4-Nitrophenol
Concen: 5.355 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	15827		
109	81.2	58.6	98.6	
65	108.3	78.7	118.7	





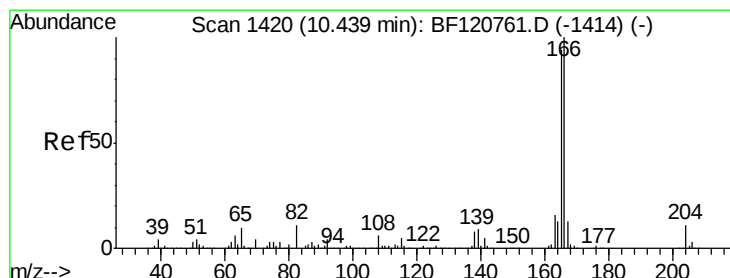
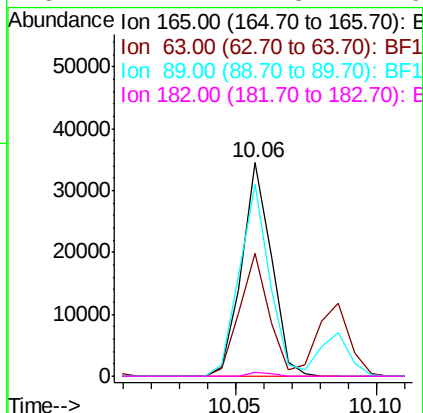
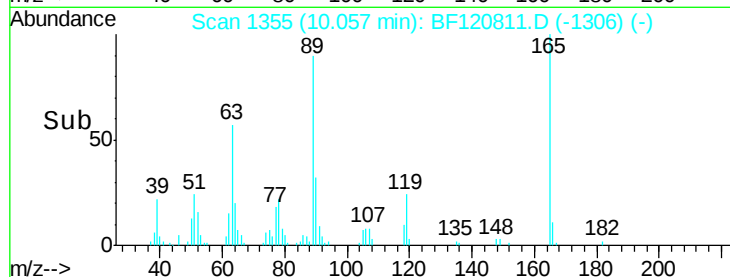
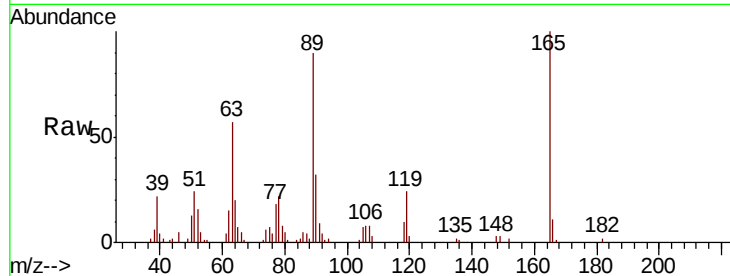
#57
2,4-Dinitrotoluene
Concen: 6.475 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
165	100	25319		
63	57.4		43.8	65.8
89	89.7		71.4	107.2
182	2.1		1.8	2.6

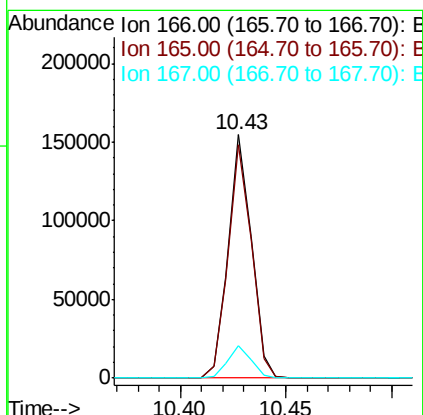
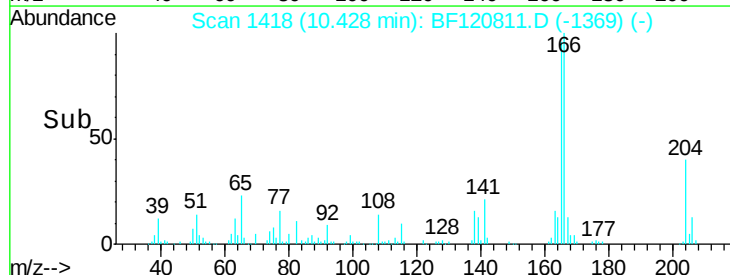
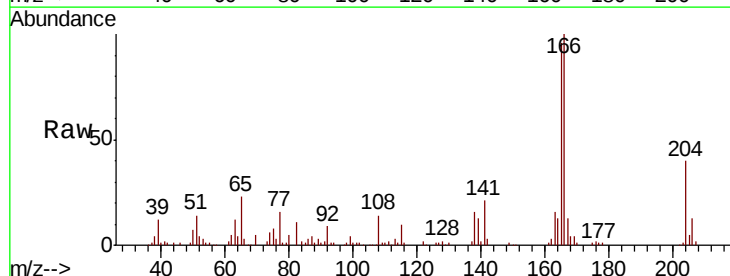
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#58
Fluorene
Concen: 7.030 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	117158		
165	96.1		75.5	113.3
167	13.4		10.6	16.0





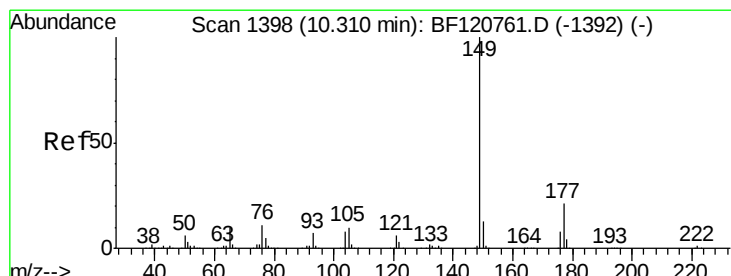
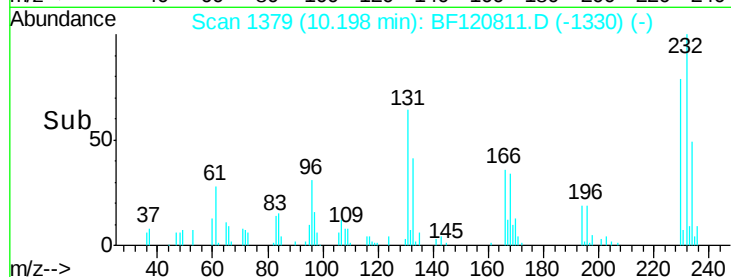
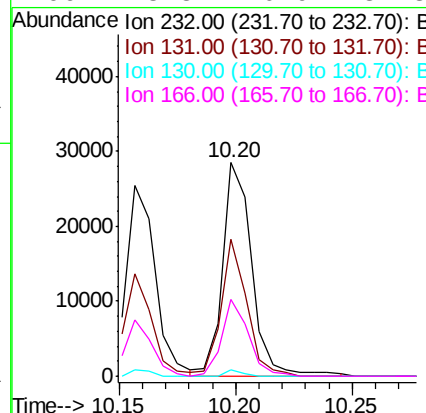
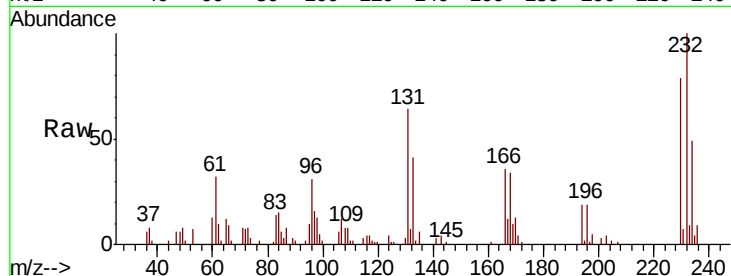
#59
2,3,4,6-Tetrachlorophenol
Concen: 5.970 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.9	36.3	54.5
130	2.1	2.0	3.0
166	23.8	20.9	31.3

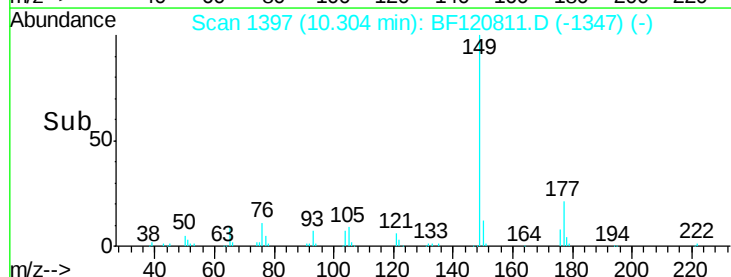
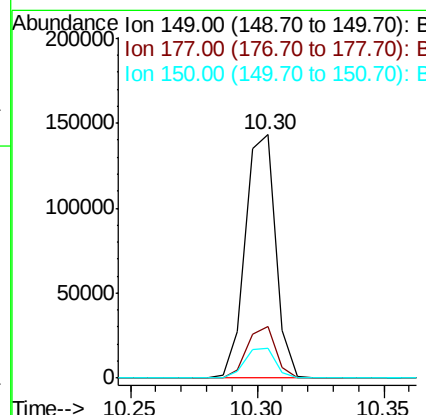
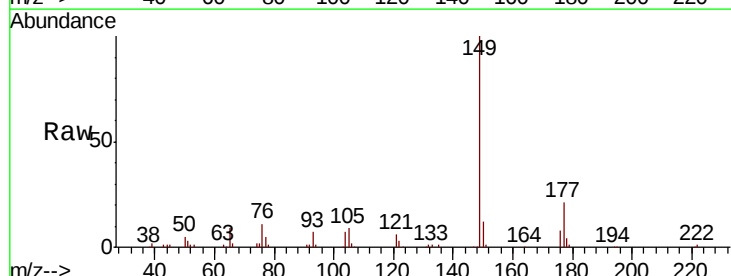
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#60
Diethylphthalate
Concen: 6.347 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.4	24.6
150	12.2	10.2	15.4





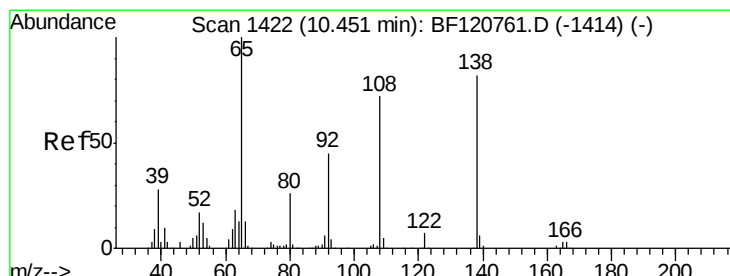
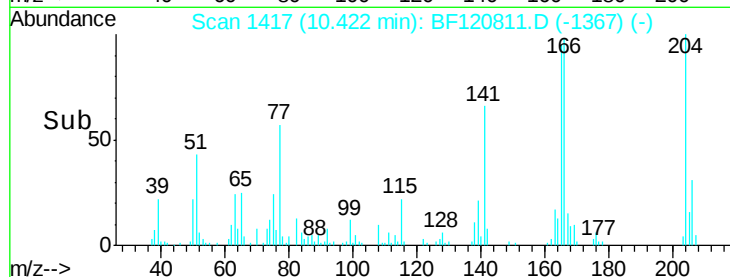
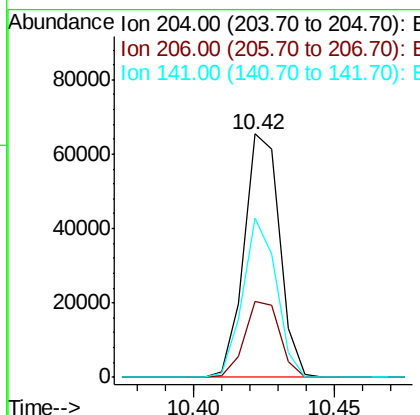
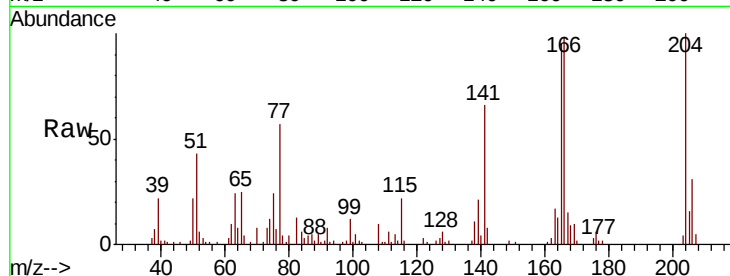
#61
4-Chlorophenyl-phenylether
Concen: 6.818 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.3	26.7	40.1
141	65.5	48.5	72.7

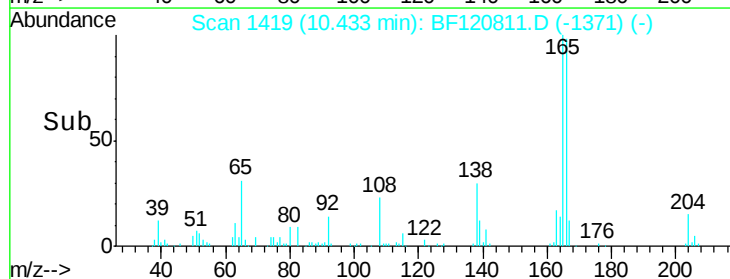
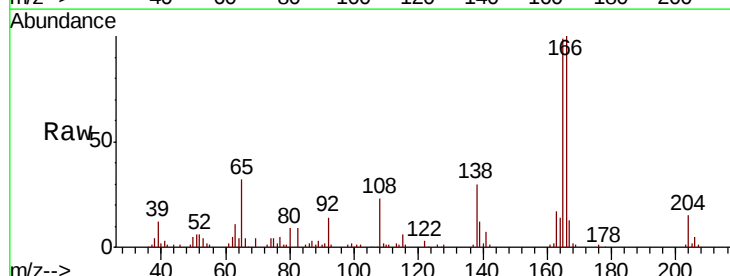
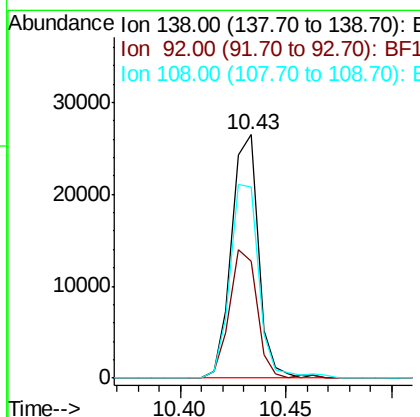
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#62
4-Nitroaniline
Concen: 6.075 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.3	34.3	74.3
108	78.3	68.3	108.3





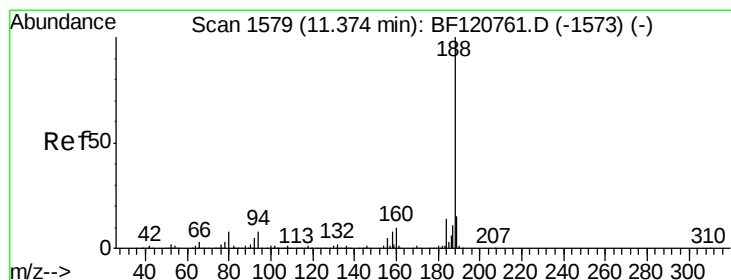
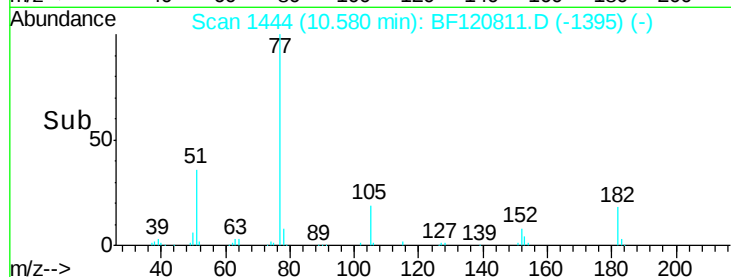
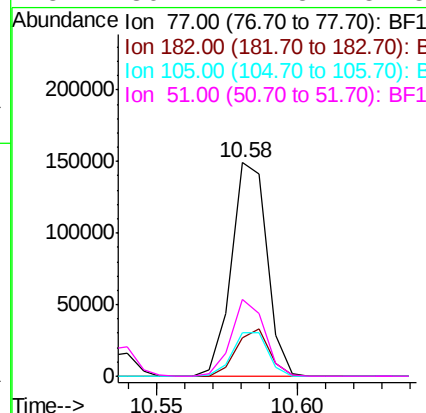
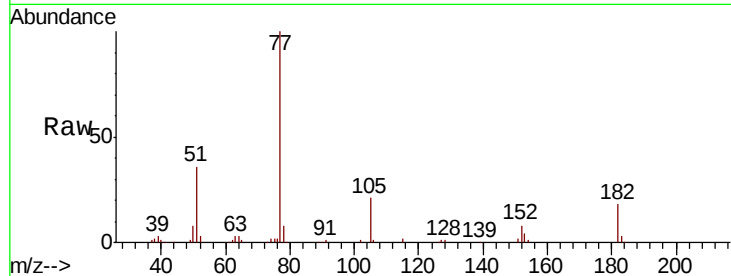
#63
Azobenzene
Concen: 6.789 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	18.2	4.0	44.0	
105	20.6	2.6	42.6	
51	36.1	11.5	51.5	

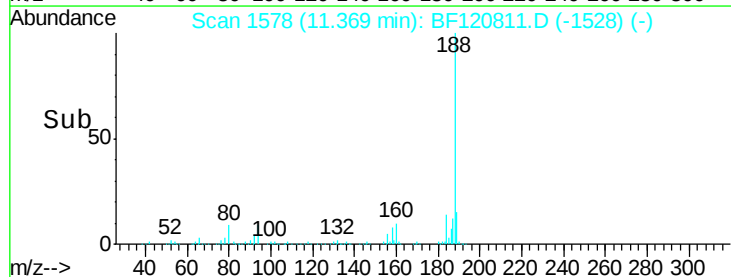
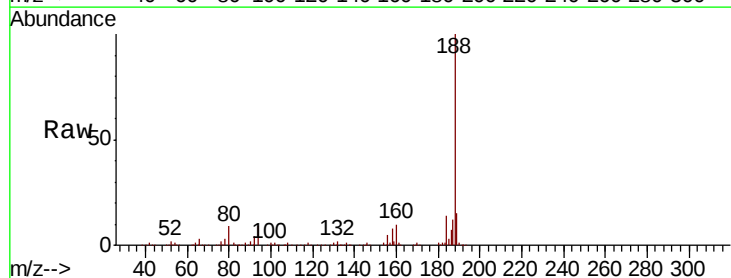
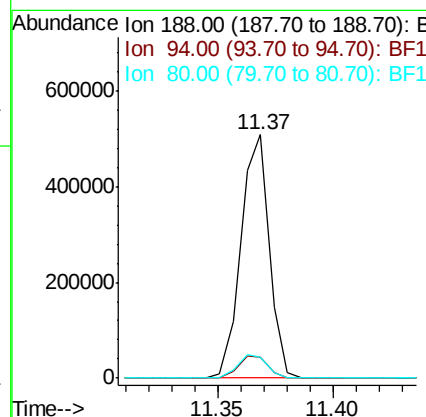
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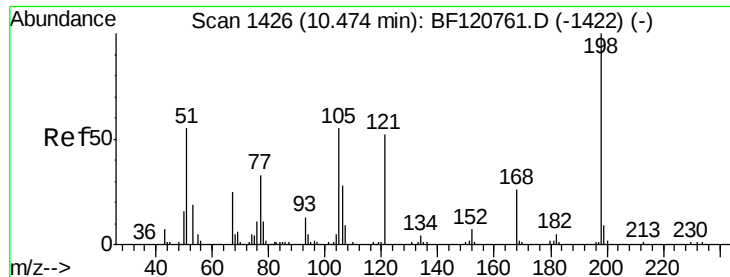
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.5	6.6	9.8	
80	8.8	6.6	10.0	





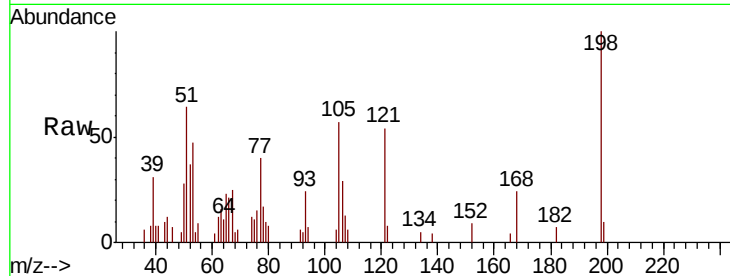
#65
4,6-Dinitro-2-methylphenol
Concen: 4.118 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

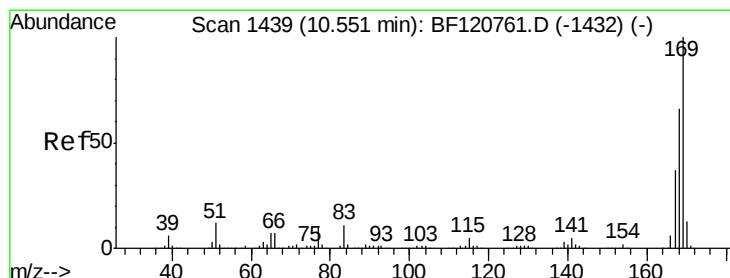
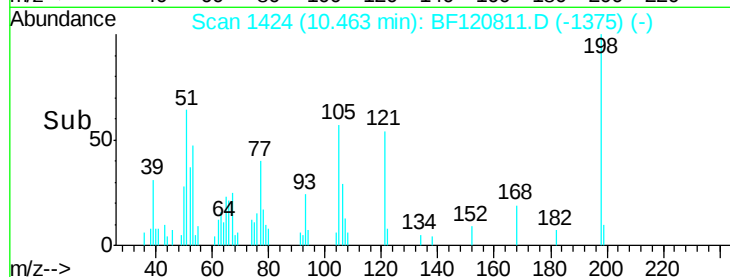
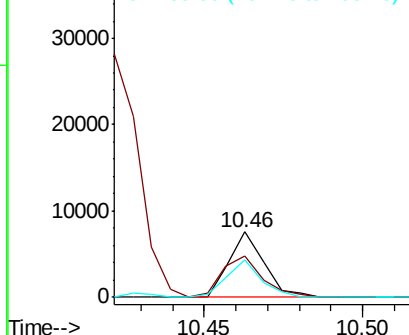
Tot Ion	Ratio	Lower	Upper
198	100		
51	63.6	50.0	90.0
105	57.5	38.3	78.3

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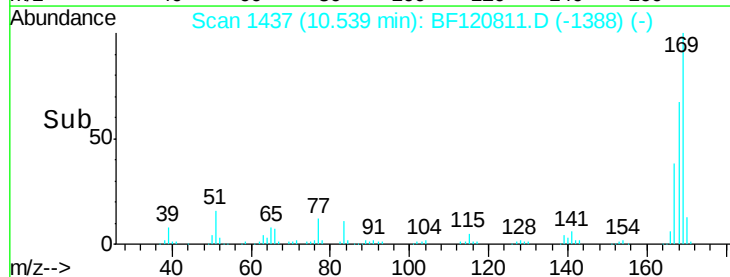
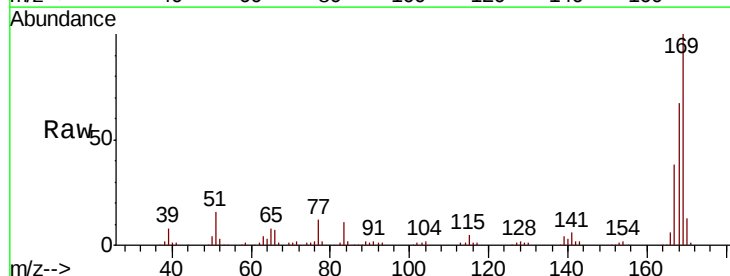
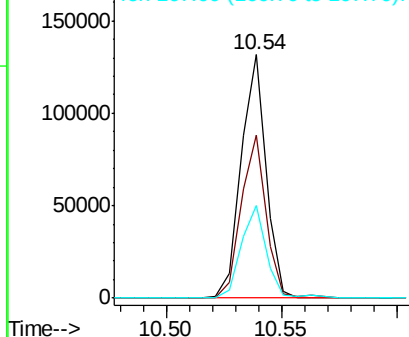
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

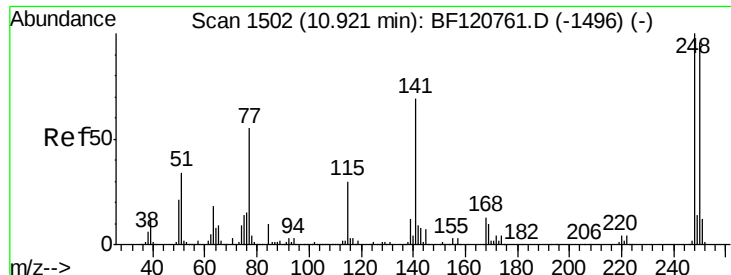


#66
n-Nitrosodiphenylamine
Concen: 6.815 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.1	79.7
167	37.8	29.6	44.4

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





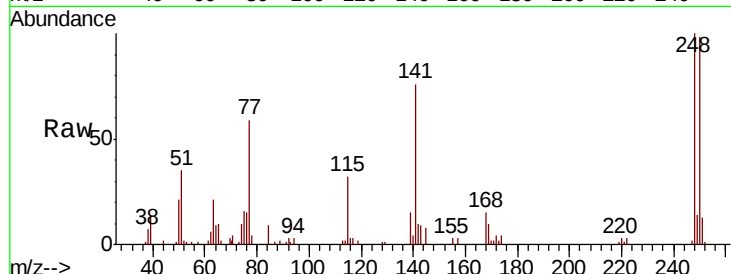
#67
 4-Bromophenyl-phenylether
 Concen: 5.965 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.5	114.7
141	76.1	54.9	82.3

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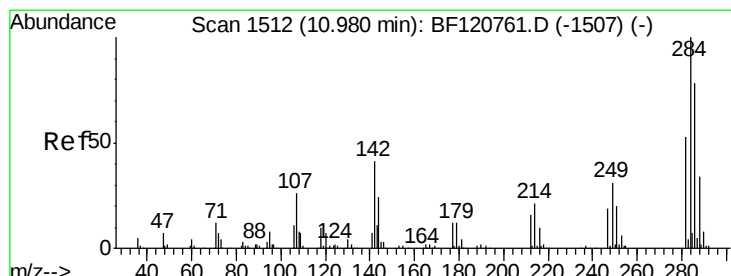
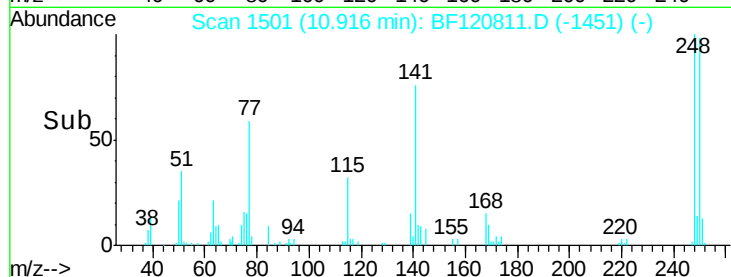
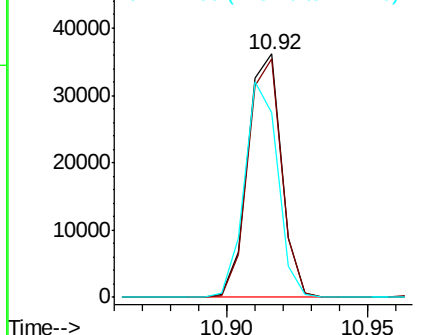


Abundance

Ion 248.00 (247.70 to 248.70): E

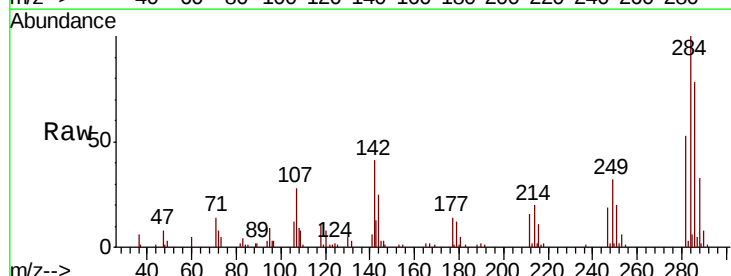
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 6.408 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.5	32.5	48.7
249	34.3	24.8	37.2

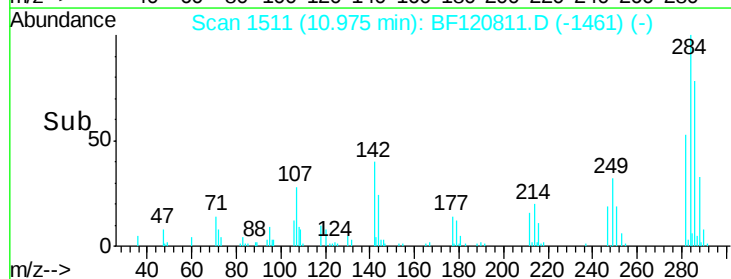
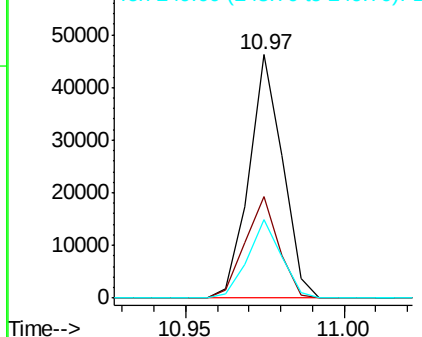


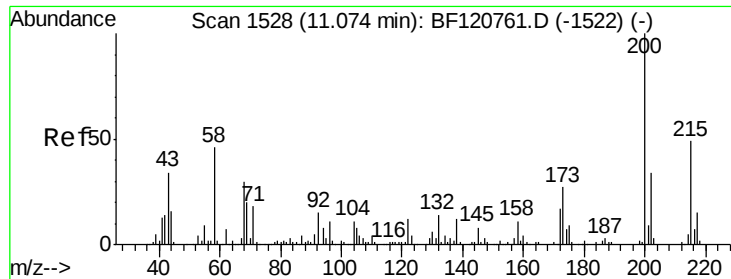
Abundance

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





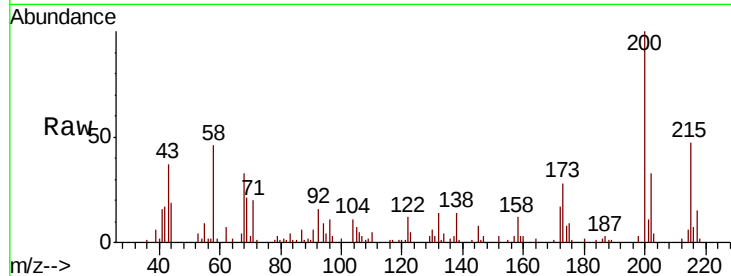
#69
Atrazine
Concen: 7.190 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

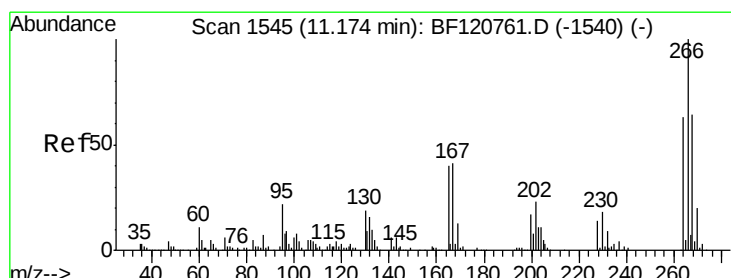
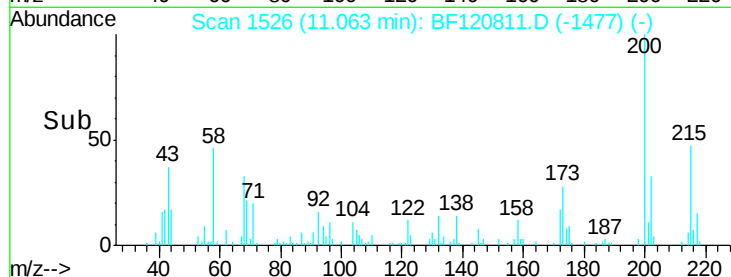
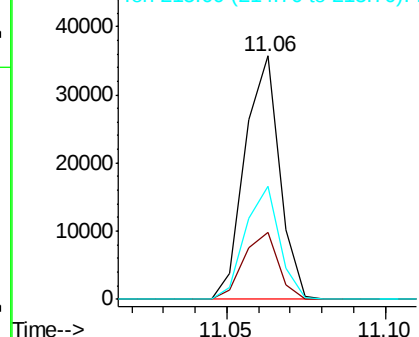
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	46.6	28.8	68.8

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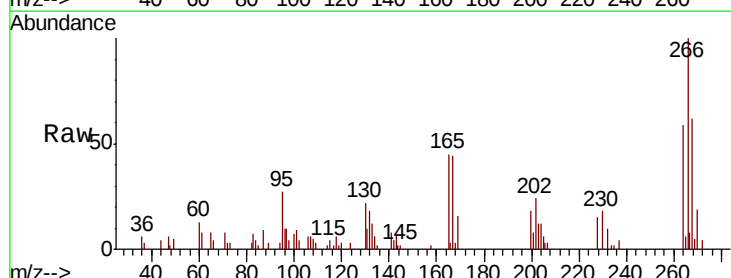


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

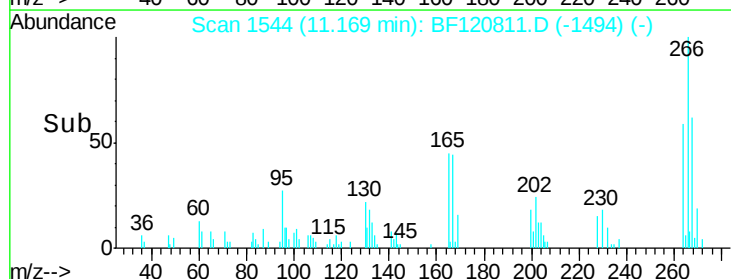
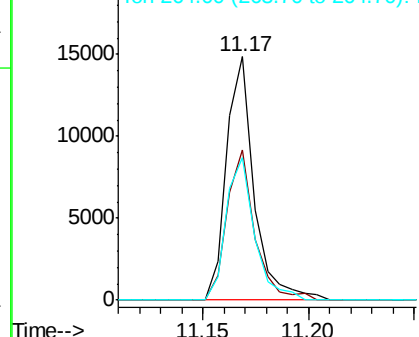


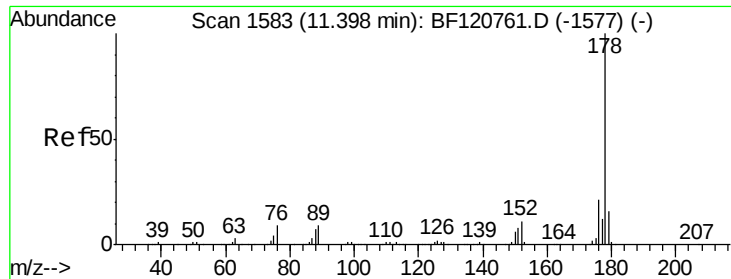
#70
Pentachlorophenol
Concen: 4.501 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.5	51.4	77.2
264	64.7	50.6	75.8



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





#71

Phenanthrene

Concen: 6.934 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

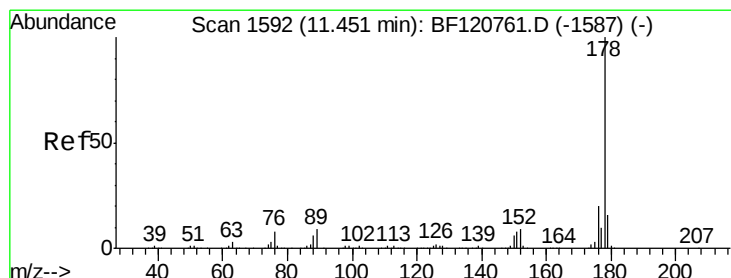
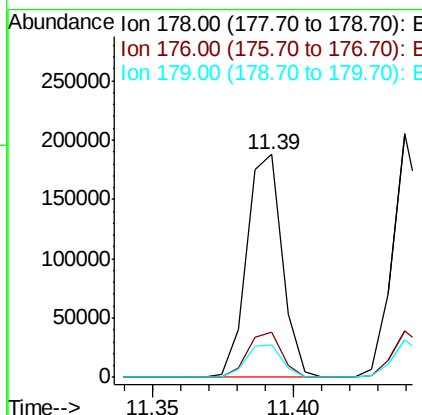
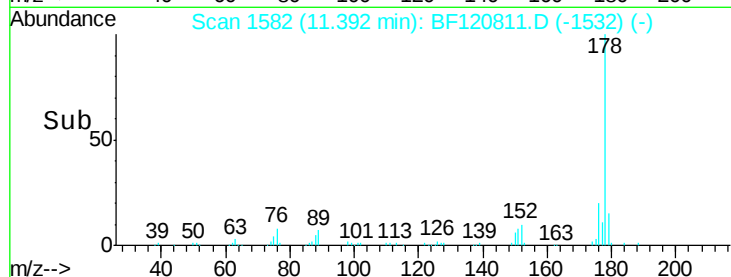
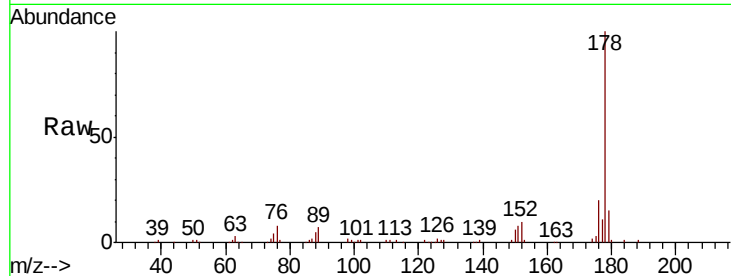
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	178	Resp:	163685
Ion Ratio	Lower	Upper	
178	100		
176	20.2	16.4	24.6
179	14.8	12.9	19.3

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#72

Anthracene

Concen: 6.815 ng

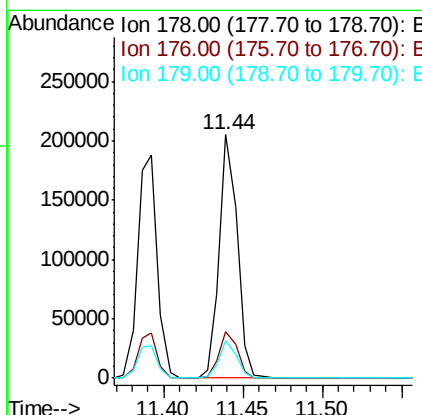
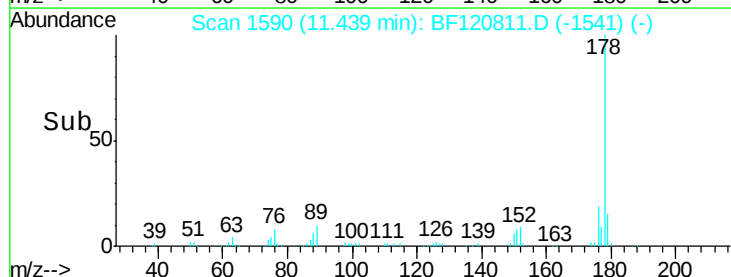
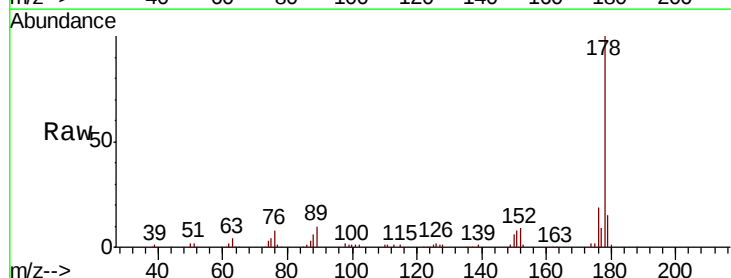
RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	178	Resp:	162568
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.2
179	15.4	12.7	19.1





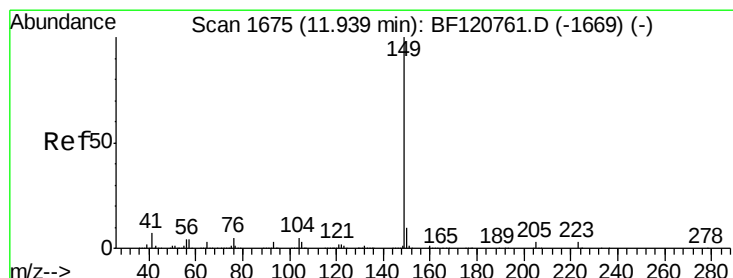
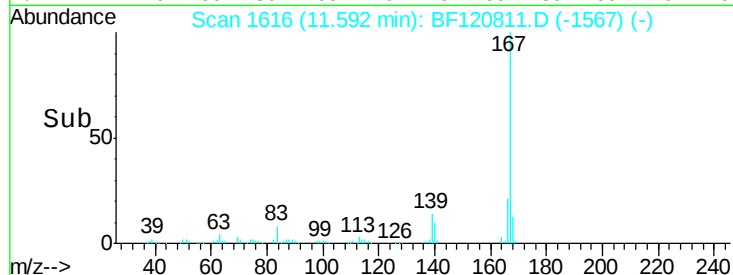
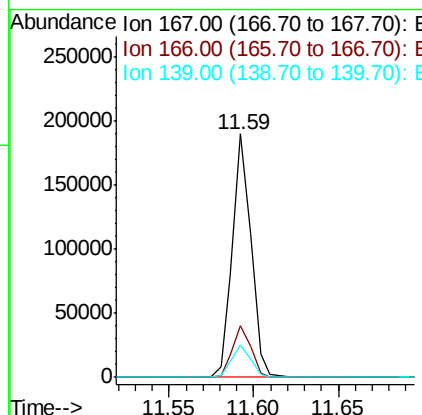
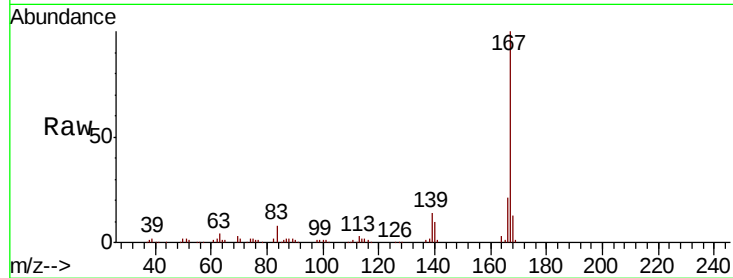
#73
 Carbazole
 Concen: 6.361 ng
 RT: 11.59 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.8
139	13.5	10.7	16.1

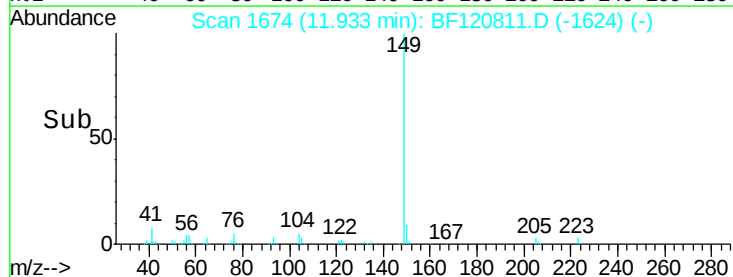
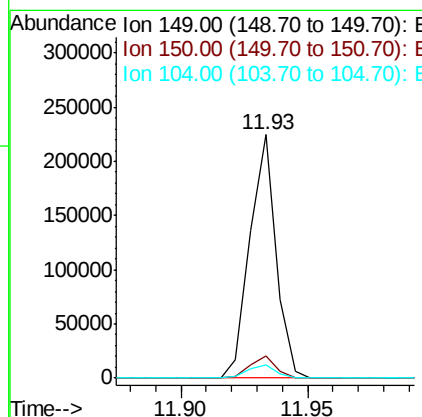
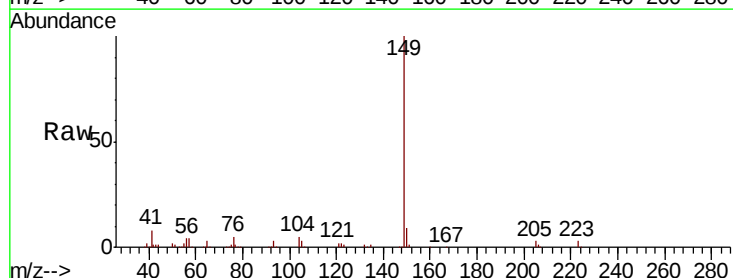
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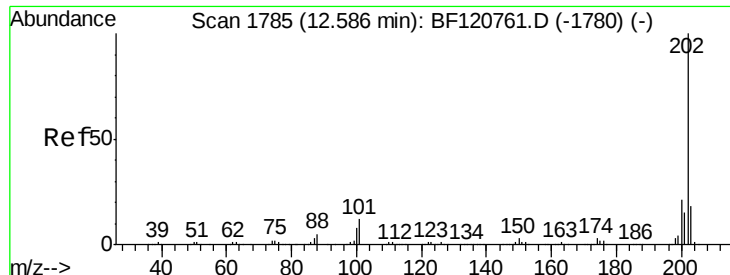
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#74
 Di-n-butylphthalate
 Concen: 5.697 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.7	11.5
104	5.3	4.0	6.0





#75

Fluoranthene

Concen: 6.332 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

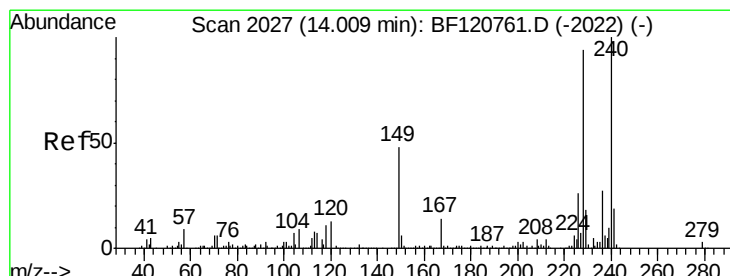
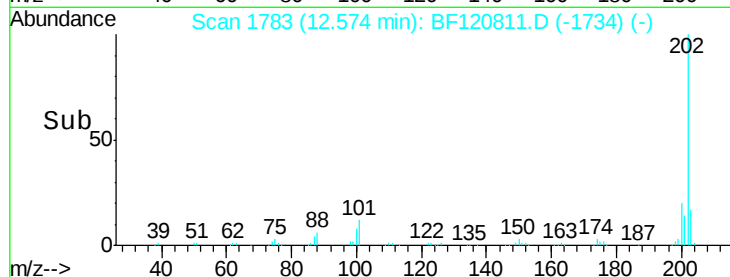
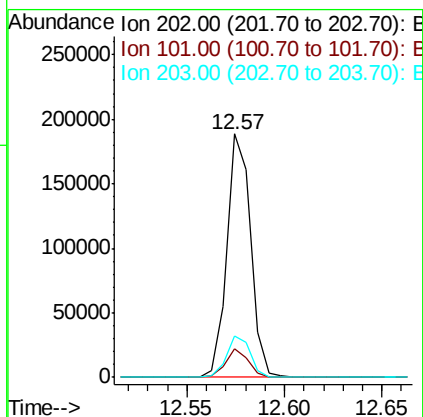
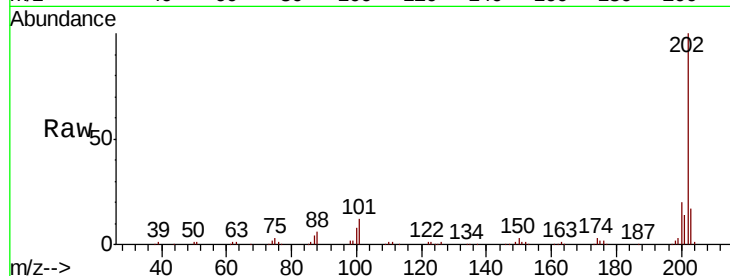
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
202	100	159238		
101	12.0	0.0	31.6	
203	16.9	0.0	38.2	

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#76

Chrysene-d12

Concen: 20.000 ng

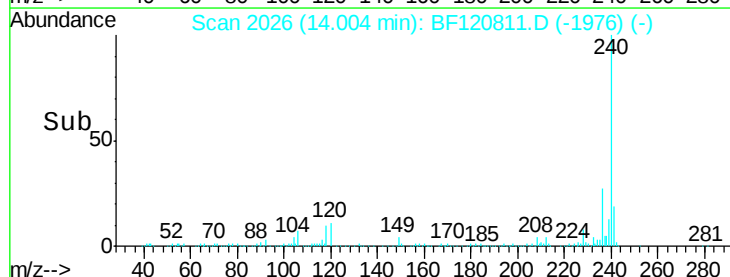
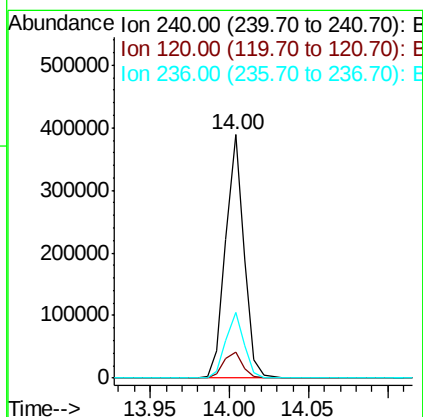
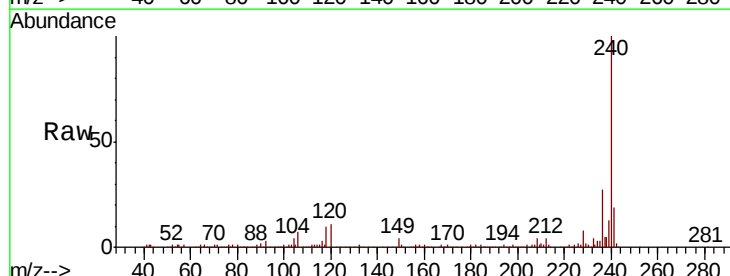
RT: 14.00 min Scan# 2026

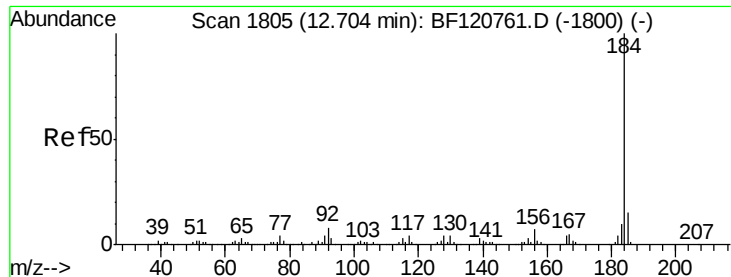
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	312942		
120	10.9	10.3	15.5	
236	26.8	21.4	32.2	





#77

Benzidine

Concen: 6.374 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

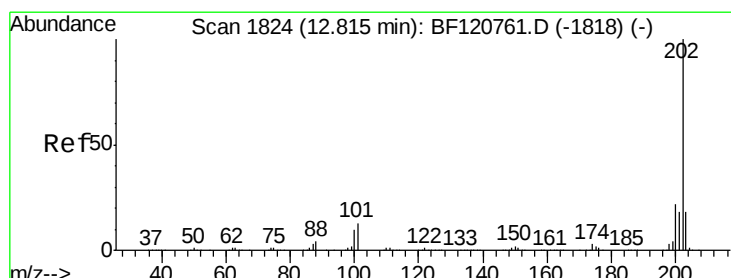
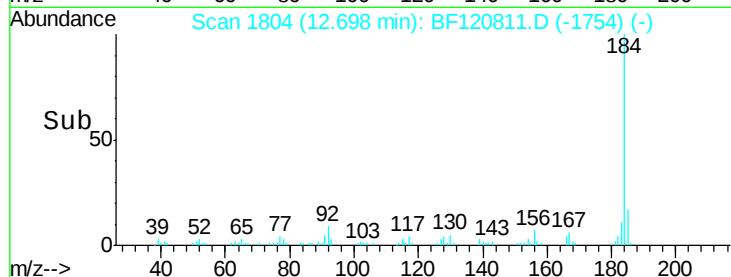
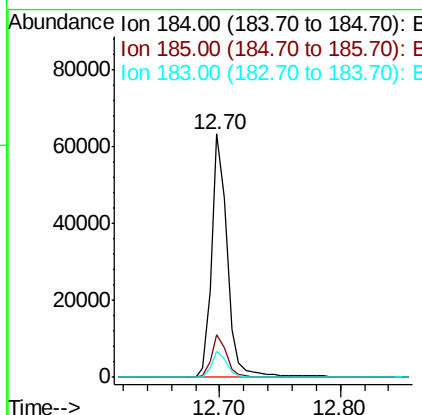
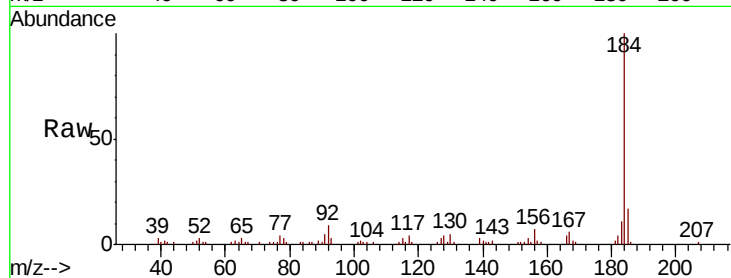
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	184	Resp:	56305
Ion Ratio	Lower	Upper	
184	100		
185	17.4	11.8	17.8
183	10.5	8.3	12.5

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#78

Pyrene

Concen: 6.649 ng

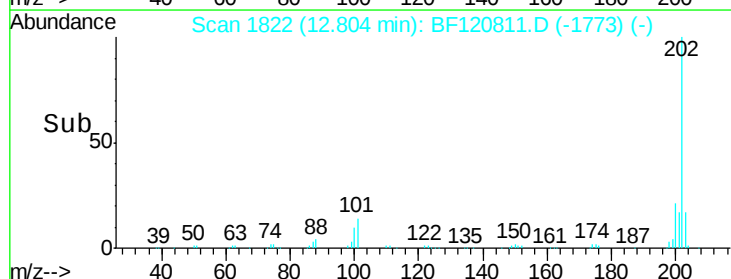
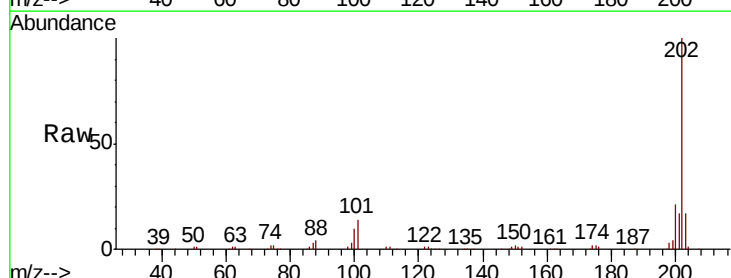
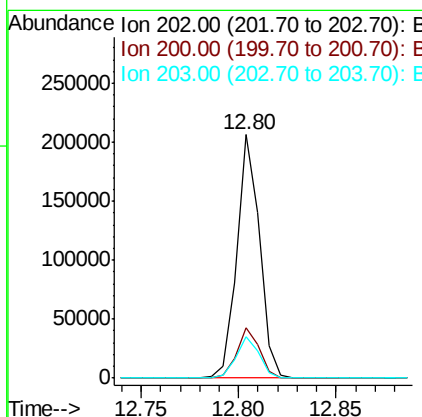
RT: 12.80 min Scan# 1822

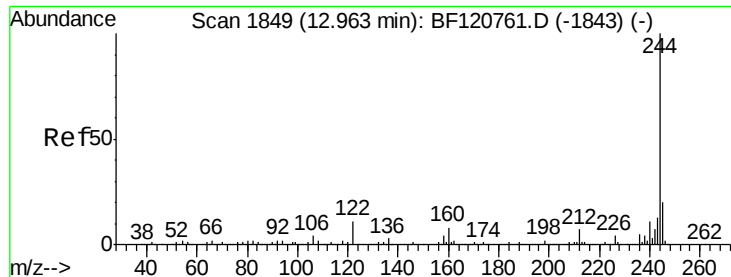
Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	202	Resp:	166179
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.3	25.9
203	17.3	14.6	22.0





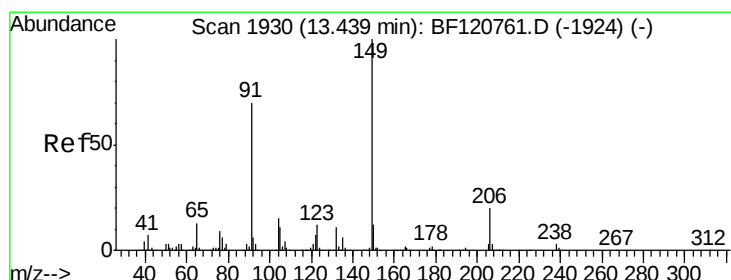
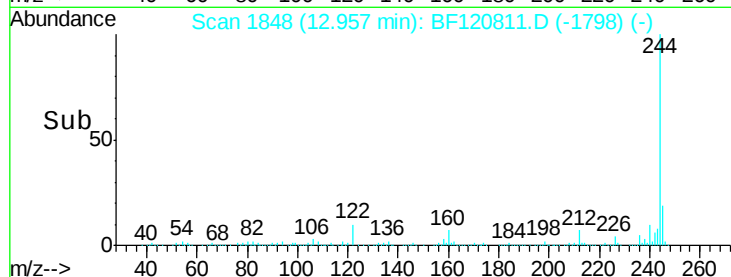
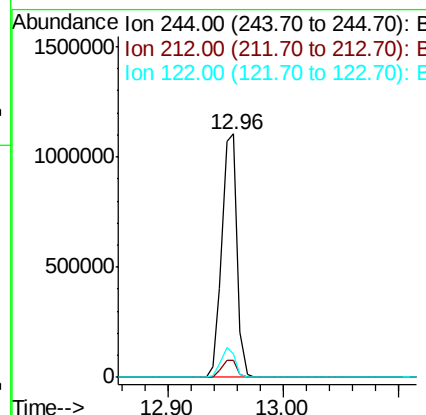
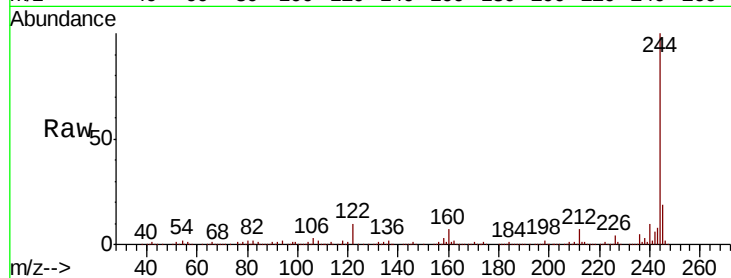
#79
Terphenyl-d14
Concen: 63.004 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	9.0	13.4

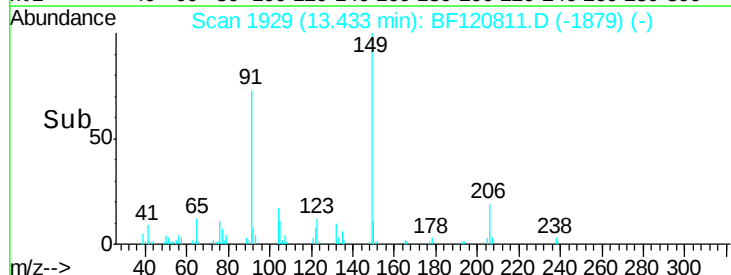
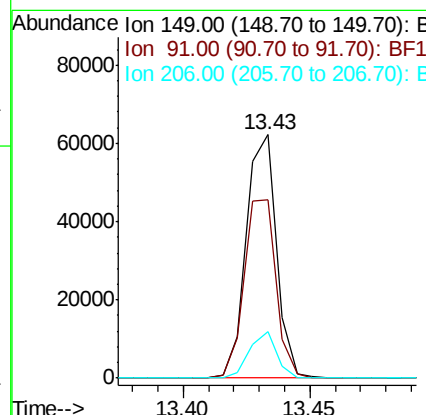
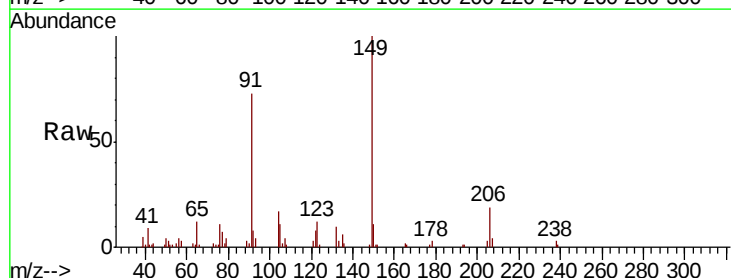
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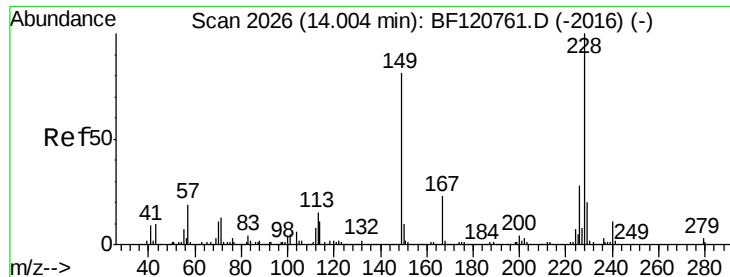
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#80
Butylbenzylphthalate
Concen: 4.770 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.2	55.8	83.8
206	19.3	15.7	23.5





#81

Benzo(a)anthracene

Concen: 6.712 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

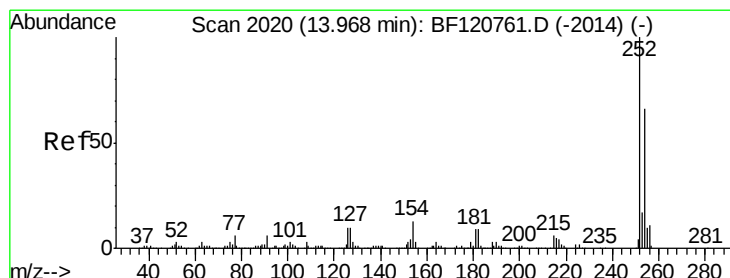
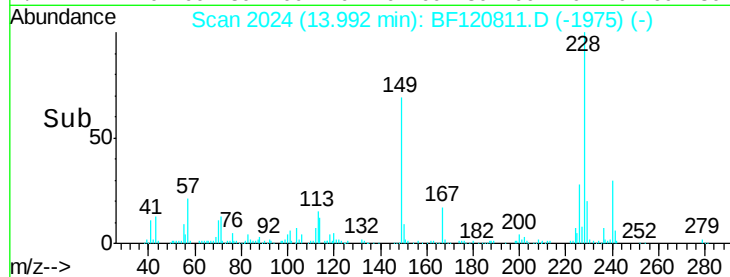
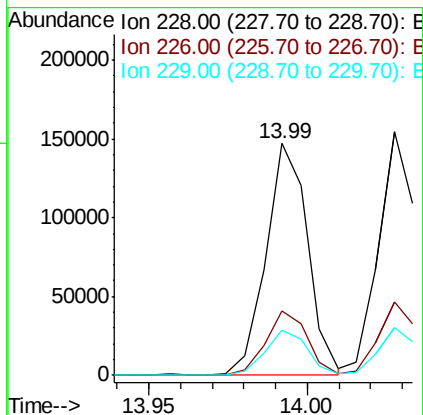
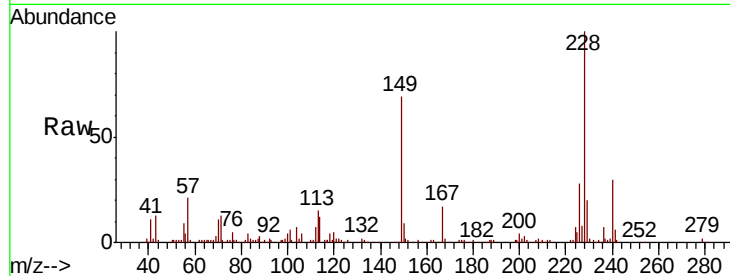
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	228	Resp:	134635
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	33.8
229	19.6	15.8	23.6

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#82

3,3'-Dichlorobenzidine

Concen: 5.611 ng

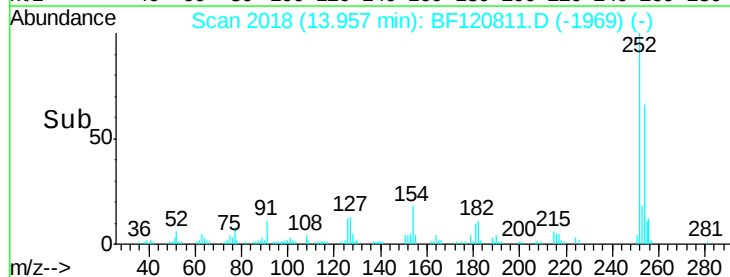
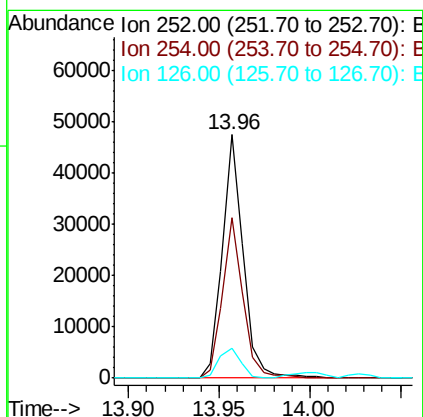
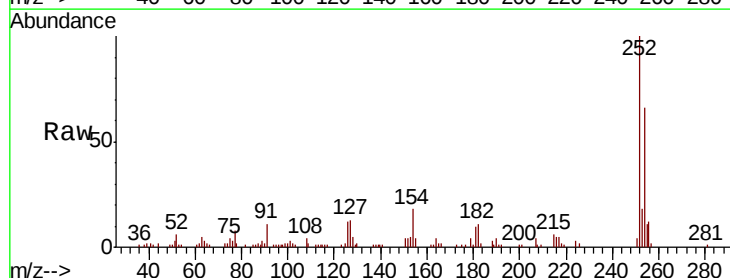
RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	252	Resp:	37984
Ion Ratio	Lower	Upper	
252	100		
254	65.8	52.6	78.8
126	12.3	7.8	11.8#





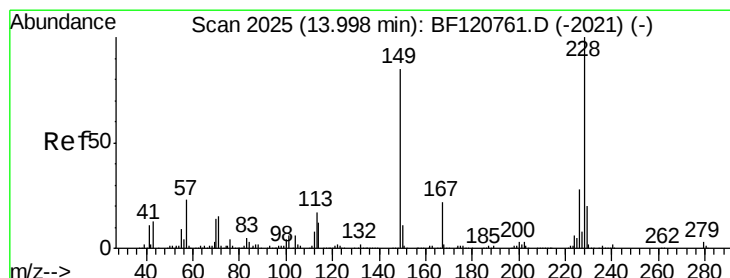
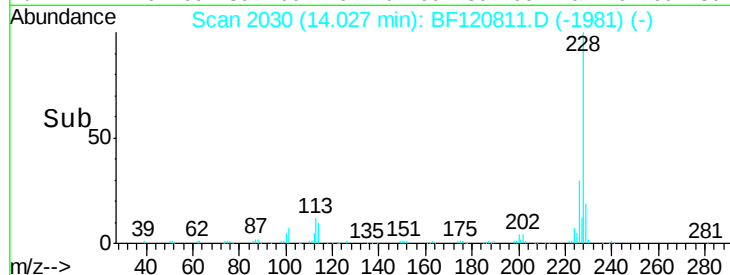
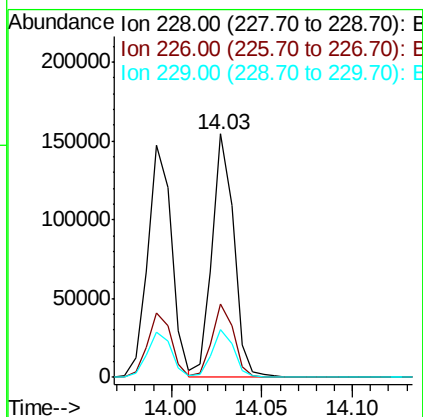
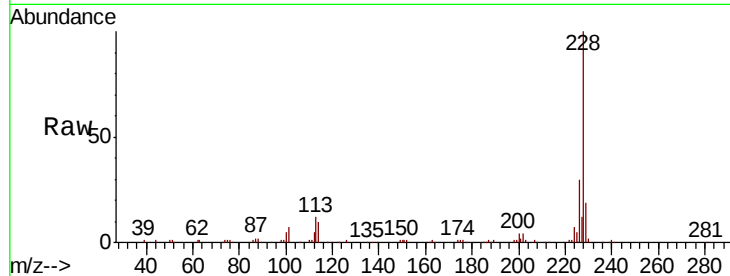
#83
Chrysene
Concen: 6.347 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	19.4	16.3	24.5

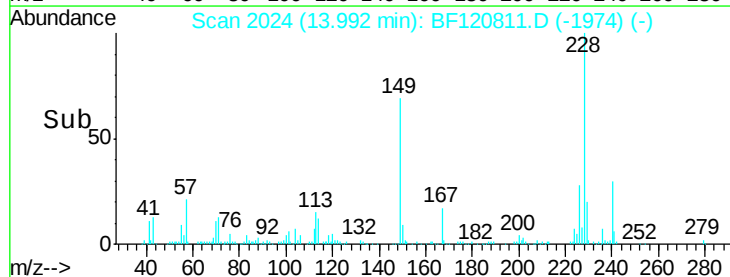
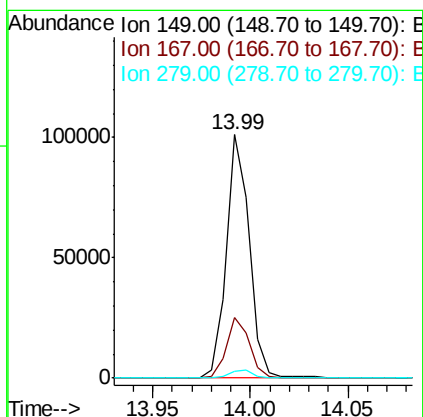
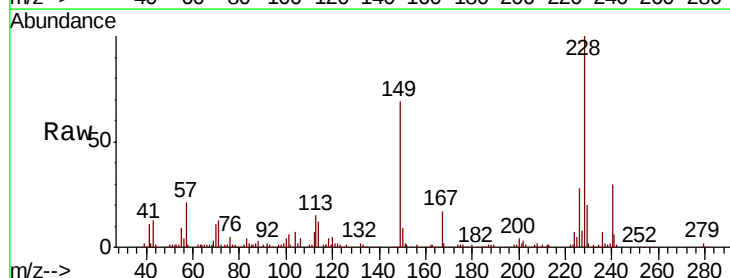
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.834 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.9	31.3
279	2.9	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 4.006 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

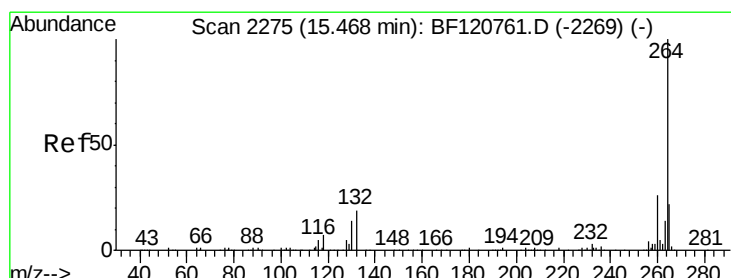
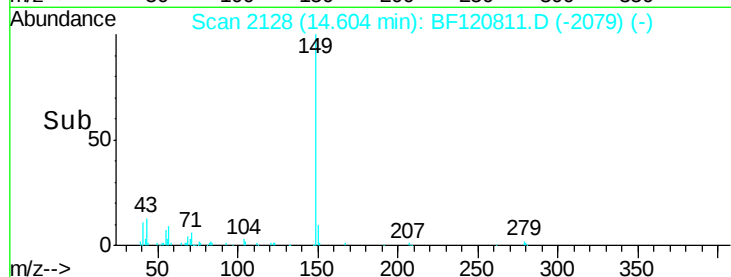
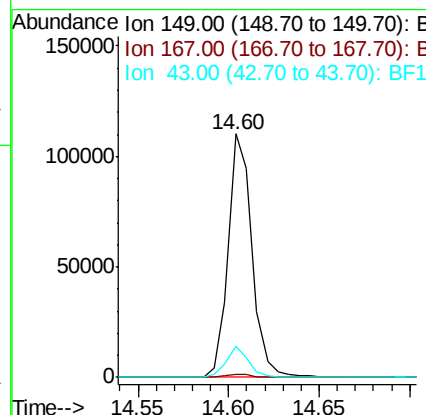
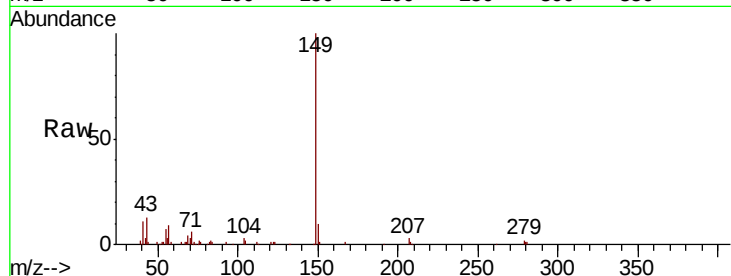
ClientSampled :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	149	Resp:	100274
Ion Ratio	Lower	Upper	
149	100		
167	1.3	1.2	1.8
43	12.1	8.7	13.1

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#86

Perylene-d12

Concen: 20.000 ng

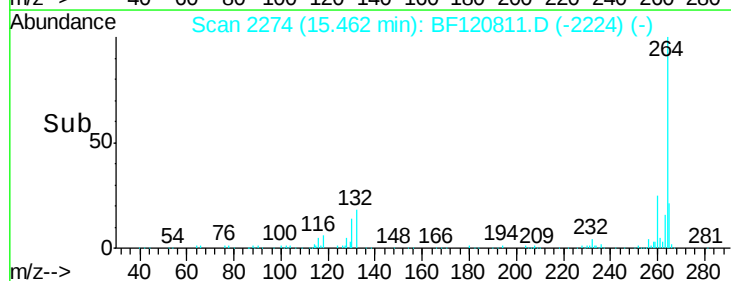
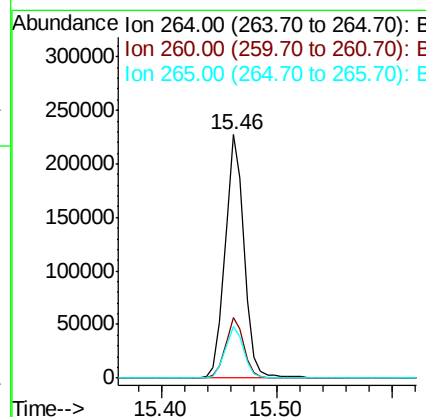
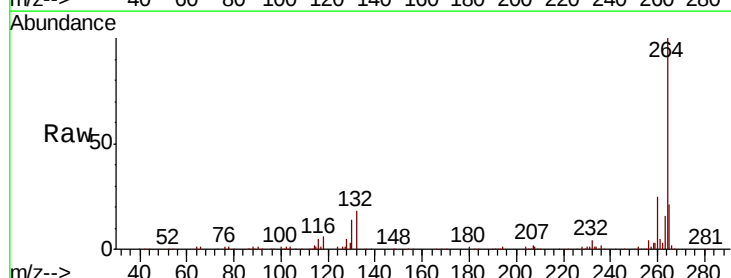
RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	264	Resp:	259786
Ion Ratio	Lower	Upper	
264	100		
260	24.7	20.6	30.8
265	21.2	17.6	26.4





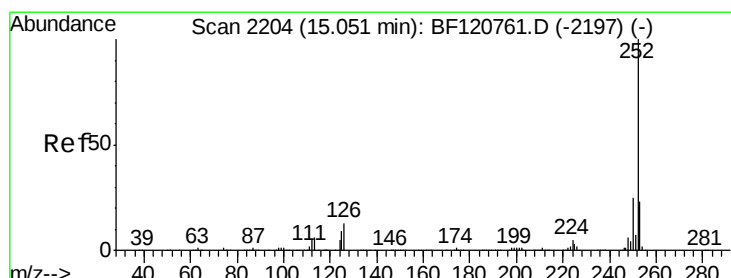
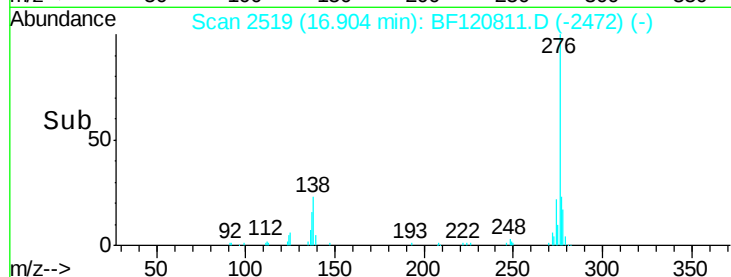
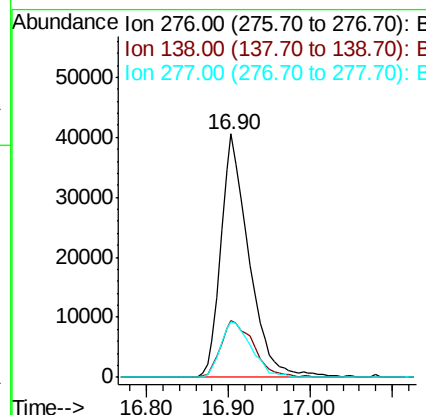
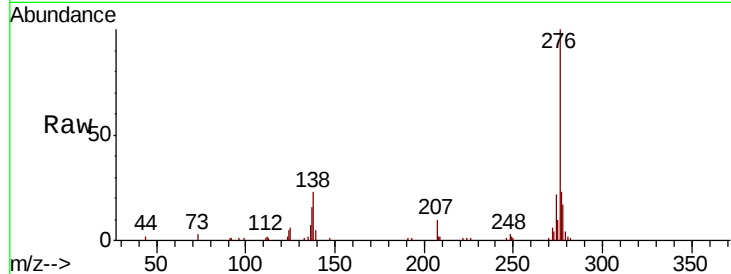
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.842 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	19.8	29.8
277	24.6	19.9	29.9

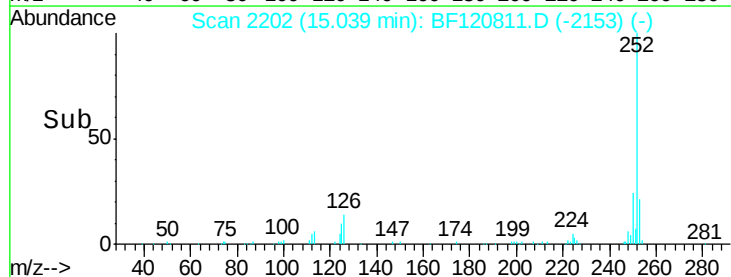
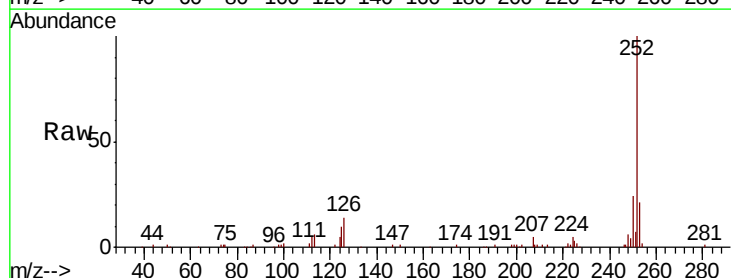
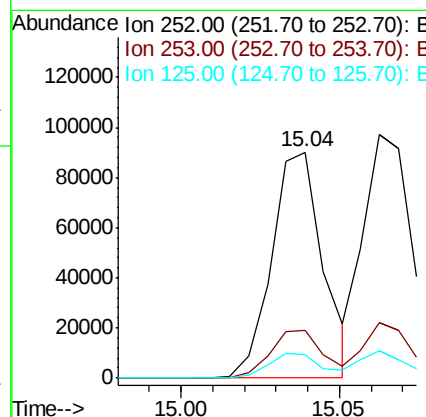
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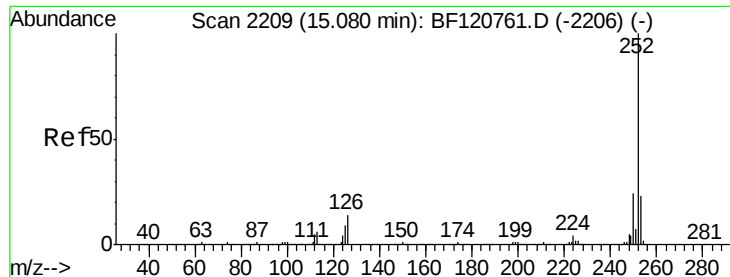
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#88
 Benzo(b)fluoranthene
 Concen: 5.942 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120811.D
 Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	10.4	7.5	11.3





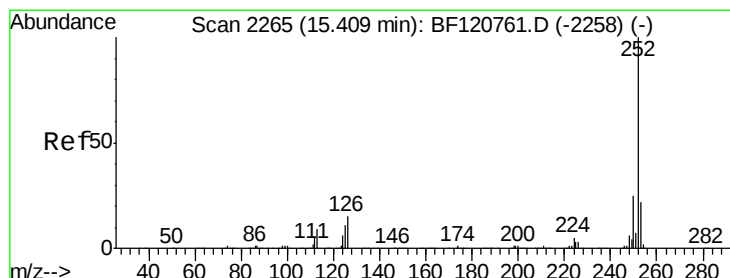
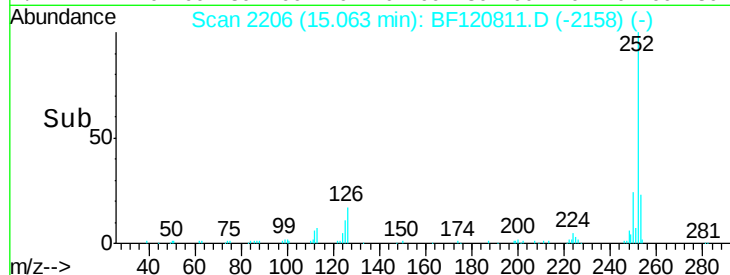
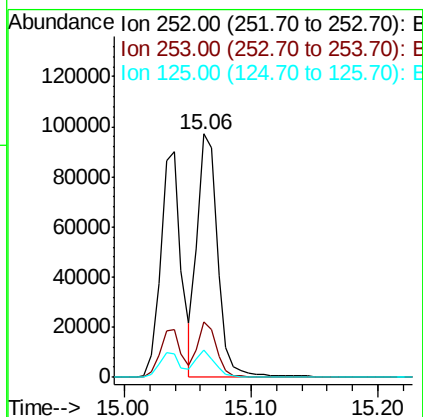
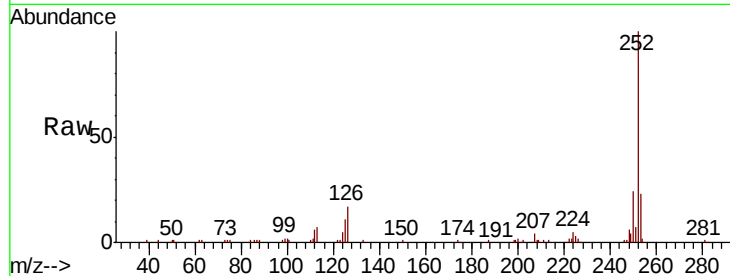
#89
Benzo(k)fluoranthene
Concen: 6.539 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.3	7.6	11.4

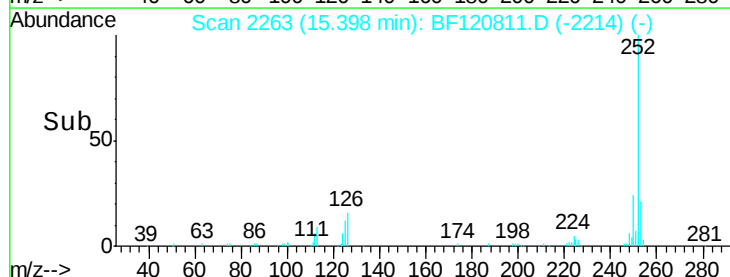
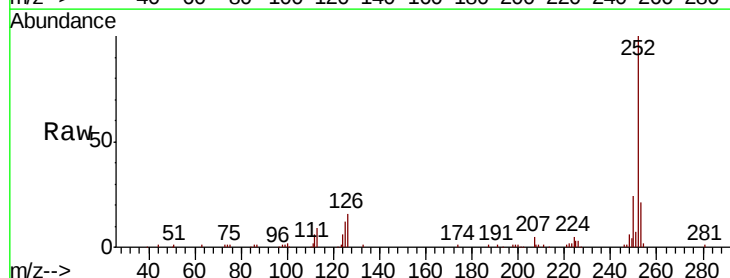
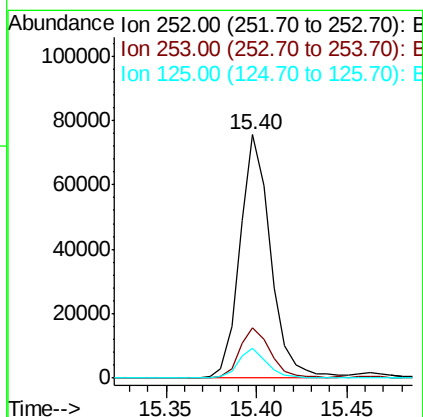
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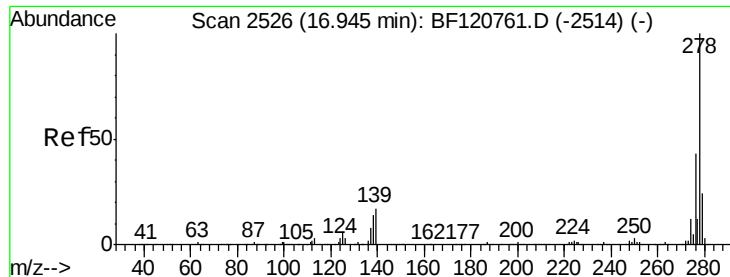
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#90
Benzo(a)pyrene
Concen: 5.825 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120811.D
Acq: 9 Jul 2020 11:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	12.1	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 6.017 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.02 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Instrument :

BNA_F

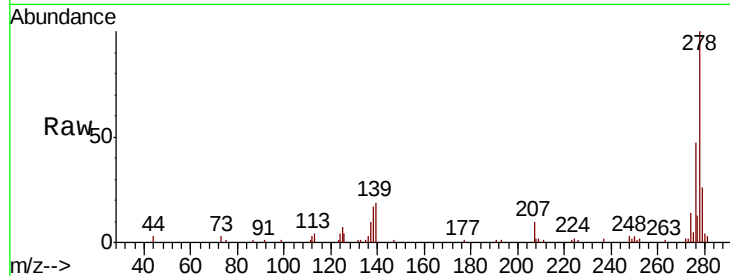
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

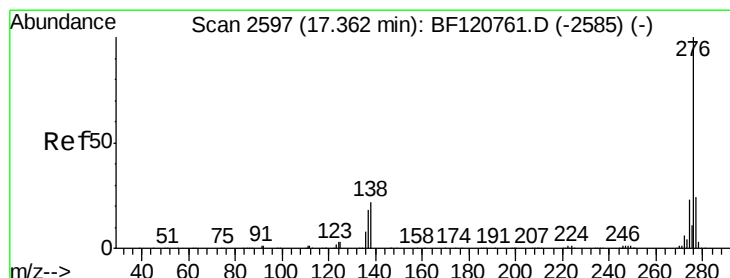
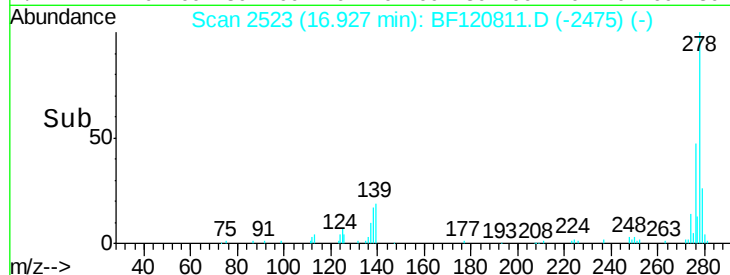
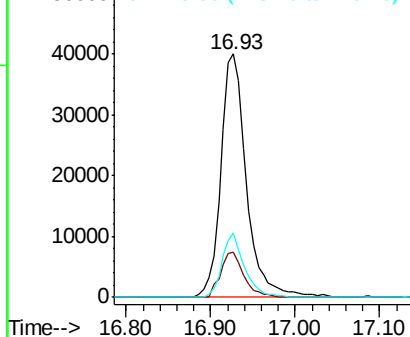
Tot Ion:	278	Resp:	83567
Ion Ratio	Lower	Upper	
278	100		
139	18.6	13.3	19.9
279	26.5	19.0	28.6

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



#92

Benzo(g,h,i)perylene

Concen: 6.409 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF120811.D

Acq: 9 Jul 2020 11:32

Tgt Ion:	276	Resp:	81349
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.8	28.2
138	23.4	17.4	26.2

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

