

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\
 Data File : BF120770.D
 Acq On : 6 Jul 2020 11:05
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-SOIL-01-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
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Sohil
 7/7/2020 8:20:48 AM

Quant Time: Jul 06 13:46:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 13:16:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136248	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514204	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	255323	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	464300	20.00	ng	0.00
76) Chrysene-d12	14.00	240	361271	20.00	ng	0.00
86) Perylene-d12	15.46	264	311411	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	986507	111.77	ng	0.00
7) Phenol-d6	6.47	99	1204149	106.83	ng	0.00
23) Nitrobenzene-d5	7.41	82	1016102	114.49	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	302442	117.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1756138	104.06	ng	0.00
79) Terphenyl-d14	12.96	244	1747054	94.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	15616	3.873	ng	99
3) Pyridine	3.40	79	33605	3.043	ng	97
4) n-Nitrosodimethylamine	3.27	42	20686m	3.744	ng	
6) Aniline	6.51	93	55717	3.849	ng	99
8) 2-Chlorophenol	6.63	128	35689	3.798	ng	88
9) Benzaldehyde	6.40	77	30051	4.483	ng	99
10) Phenol	6.48	94	45832	3.953	ng	86
11) bis(2-Chloroethyl)ether	6.58	93	35528	3.765	ng	98
12) 1,3-Dichlorobenzene	6.79	146	39997	3.867	ng	95
13) 1,4-Dichlorobenzene	6.86	146	39053	3.770	ng	99
14) 1,2-Dichlorobenzene	7.02	146	37250	3.779	ng	97
15) Benzyl Alcohol	6.98	79	29507	3.484	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.12	45	54732	3.719	ng	99
17) 2-Methylphenol	7.09	107	28083	3.341	ng	96
18) Hexachloroethane	7.36	117	14517	3.728	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	25222	3.716	ng	90
20) 3+4-Methylphenols	7.24	107	36046	3.481	ng	94
22) Acetophenone	7.25	105	53594	4.193	ng	95
24) Nitrobenzene	7.43	77	42162	4.231	ng	100
25) Isophorone	7.66	82	67630	3.533	ng	97
26) 2-Nitrophenol	7.74	139	8316	2.283	ng	# 86
27) 2,4-Dimethylphenol	7.77	122	29784	3.898	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	42293	3.734	ng	98
29) 2,4-Dichlorophenol	7.98	162	24621	3.228	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	29476	3.441	ng	94
31) Naphthalene	8.15	128	107224	3.902	ng	98
32) Benzoic acid	7.82	122	6048	1.463	ng	92
33) 4-Chloroaniline	8.20	127	40009	3.431	ng	97
34) Hexachlorobutadiene	8.27	225	16475	3.197	ng	99
35) Caprolactam	8.52	113	7306	3.287	ng	91
36) 4-Chloro-3-methylphenol	8.66	107	26170	3.298	ng	96
37) 2-Methylnaphthalene	8.84	142	67257	3.765	ng	96
38) 1-Methylnaphthalene	8.94	142	63915m	3.820	ng	
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	28820	3.735	ng	# 97

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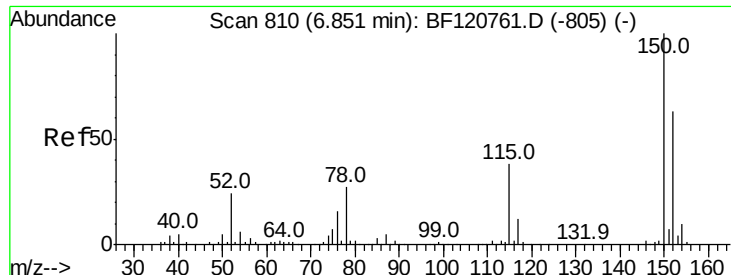
Manual Integrations
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 7/7/2020 8:20:48 AM

Quant Time: Jul 06 13:46:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 13:16:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14417	3.162	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	14929	2.839	ng	94
44) 2,4,5-Trichlorophenol	9.15	196	16805	2.880	ng	96
46) 1,1'-Biphenyl	9.30	154	90324	4.386	ng	96
47) 2-Chloronaphthalene	9.33	162	59541	3.609	ng	98
48) 2-Nitroaniline	9.42	65	11490	2.603	ng	# 83
49) Acenaphthylene	9.75	152	94473	3.652	ng	98
50) Dimethylphthalate	9.60	163	66977	3.596	ng	99
51) 2,6-Dinitrotoluene	9.66	165	9576	2.846	ng	# 80
52) Acenaphthene	9.92	154	58229	3.629	ng	97
53) 3-Nitroaniline	9.82	138	11490	2.764	ng	# 90
54) 2,4-Dinitrophenol	9.93	184	1000	0.900	ng	# 1
55) Dibenzofuran	10.09	168	87259	3.772	ng	98
56) 4-Nitrophenol	9.97	139	6758	2.213	ng	# 76
57) 2,4-Dinitrotoluene	10.06	165	9532	2.360	ng	# 87
58) Fluorene	10.43	166	65858	3.825	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.20	232	12495	2.877	ng	# 82
60) Diethylphthalate	10.30	149	66491	3.427	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	31280	3.614	ng	97
62) 4-Nitroaniline	10.43	138	10955	2.768	ng	97
63) Azobenzene	10.59	77	74748	3.766	ng	96
65) 4,6-Dinitro-2-methylphenol	10.46	198	1950	1.307	ng	86
66) n-Nitrosodiphenylamine	10.54	169	54059	3.474	ng	98
67) 4-Bromophenyl-phenylether	10.92	248	16653	3.092	ng	91
68) Hexachlorobenzene	10.97	284	17999	3.185	ng	# 84
69) Atrazine	11.06	200	16549	4.128	ng	96
70) Pentachlorophenol	11.17	266	6780	2.120	ng	93
71) Phenanthrene	11.39	178	94036	3.733	ng	98
72) Anthracene	11.44	178	92696	3.641	ng	98
73) Carbazole	11.59	167	84504	3.454	ng	98
74) Di-n-butylphthalate	11.93	149	92958	3.069	ng	99
75) Fluoranthene	12.57	202	92783	3.457	ng	98
77) Benzidine	12.70	184	38657	3.791	ng	# 94
78) Pyrene	12.80	202	97758	3.388	ng	99
80) Butylbenzylphthalate	13.43	149	28825	2.314	ng	90
81) Benzo(a)anthracene	13.99	228	85331	3.685	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	25229	3.228	ng	# 96
83) Chrysene	14.03	228	78538	3.325	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	52916	3.239	ng	99
85) Di-n-octyl phthalate	14.61	149	65330	2.261	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.90	276	57851	2.896	ng	95
88) Benzo(b)fluoranthene	15.04	252	64851	3.168	ng	98
89) Benzo(k)fluoranthene	15.06	252	66723m	3.349	ng	
90) Benzo(a)pyrene	15.40	252	55685	3.049	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	49603	2.980	ng	98
92) Benzo(g,h,i)perylene	17.33	276	47479	3.121	ng	98

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



#1

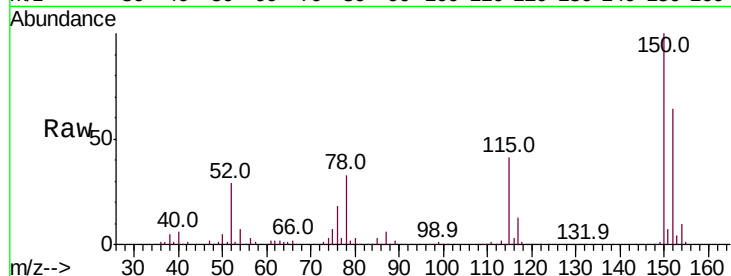
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.1	189.1
115	65.2	48.5	72.7

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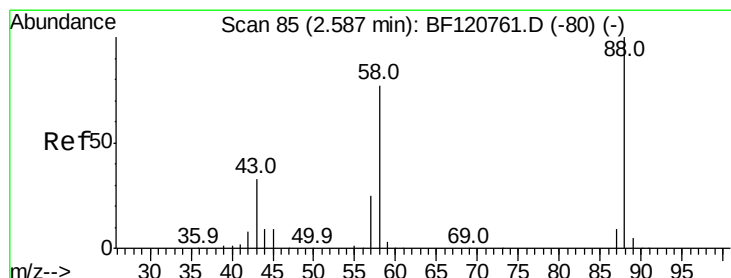
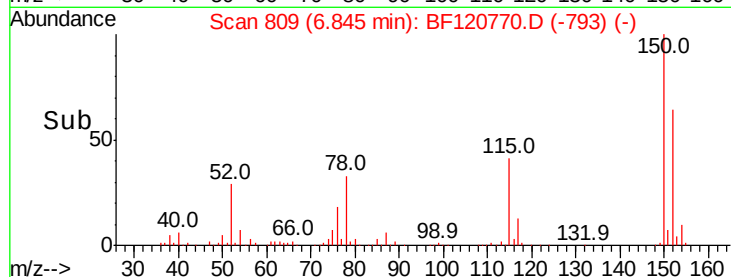
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

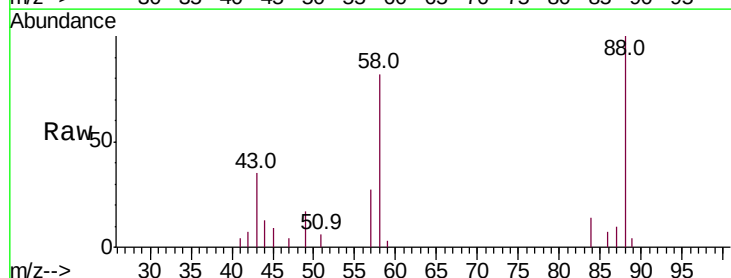
Time-->



#2

1,4-Dioxane
Concen: 3.873 ng
RT: 2.59 min Scan# 86
Delta R.T. 0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.2	60.4	90.6
43	32.7	26.3	39.5



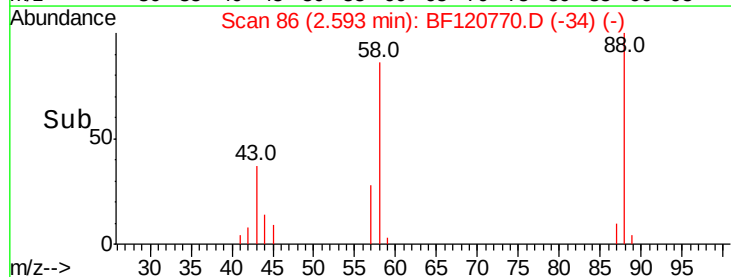
Abundance

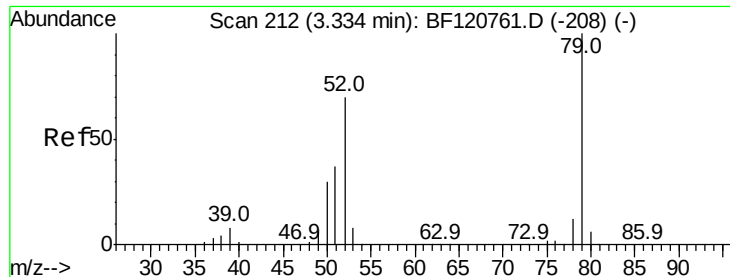
Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

Time-->





#3

Pvridine

Concen: 3.043 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.06 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

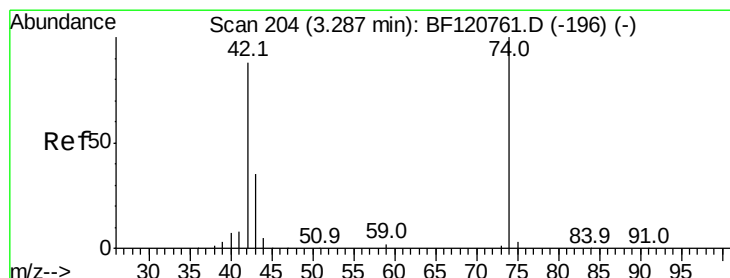
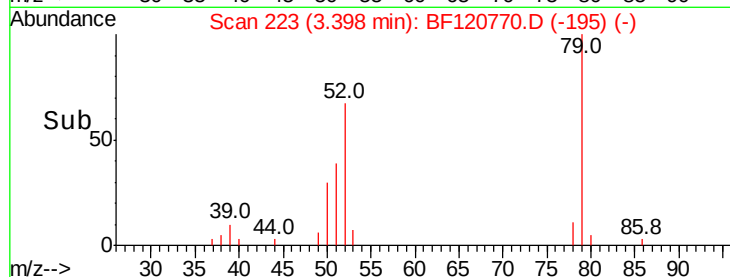
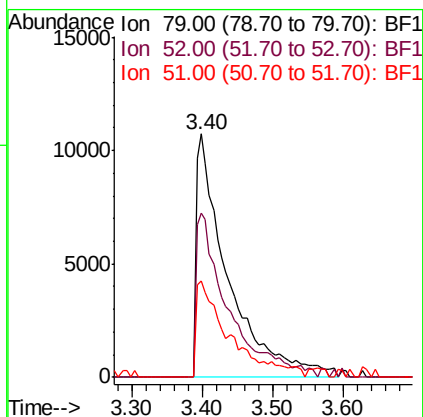
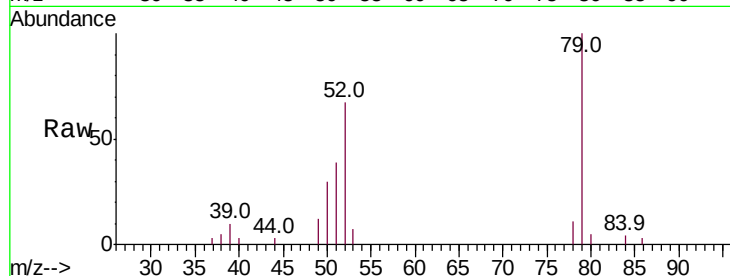
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	79	Resp:	33605
Ion Ratio	Lower	Upper	
79	100		
52	67.4	56.3	84.5
51	39.3	30.1	45.1

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#4

n-Nitrosodimethylamine

Concen: 3.744 ng m

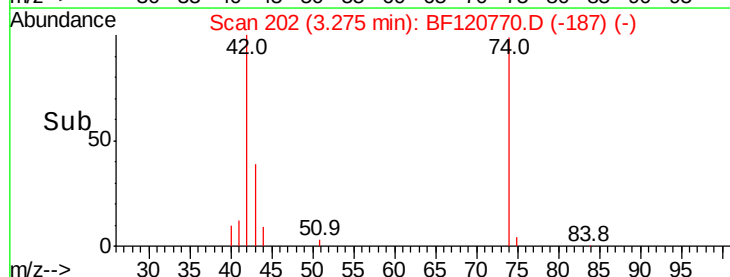
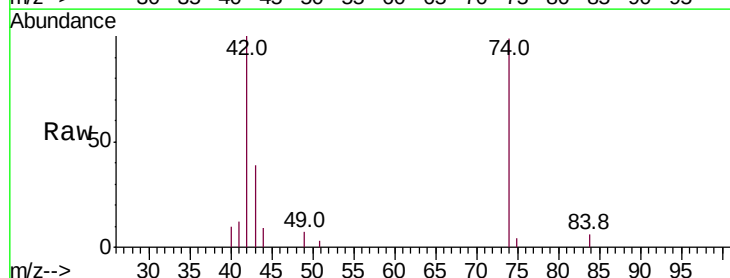
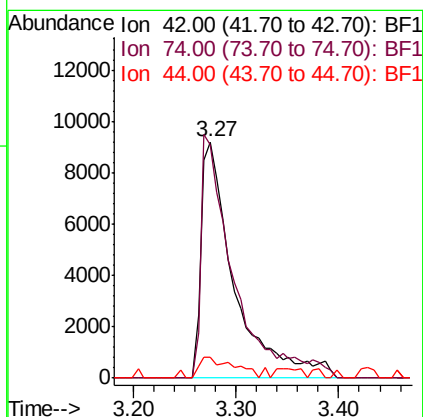
RT: 3.27 min Scan# 202

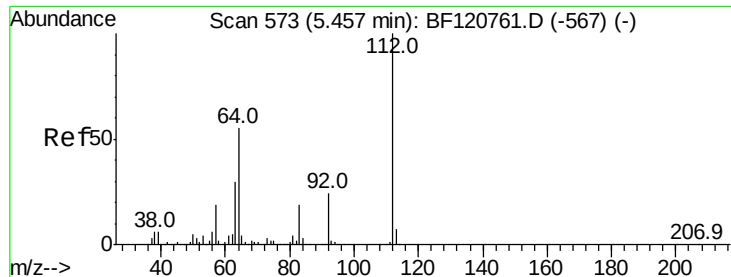
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	42	Resp:	20686
Ion Ratio	Lower	Upper	
42	100		
74	98.6	90.8	136.2
44	9.1	5.8	8.8#





#5

2-Fluorophenol

Concen: 111.768 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

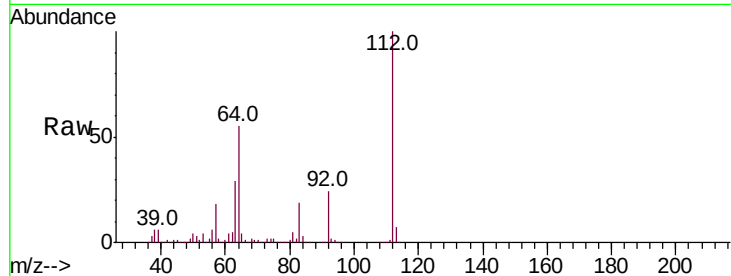
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

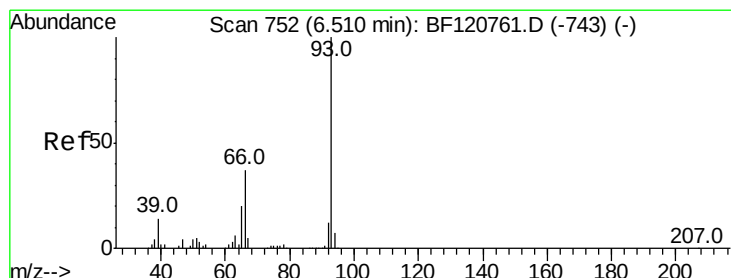
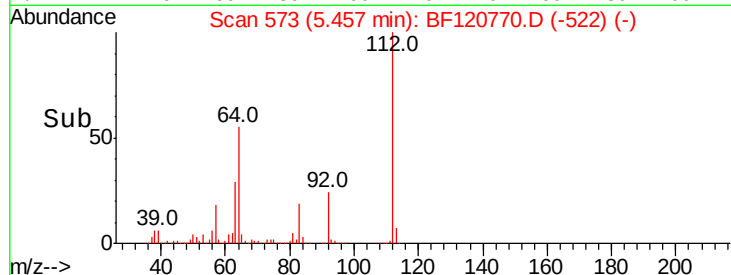
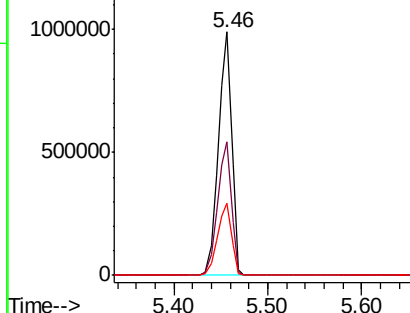
Tot Ion	Ratio	Resp	Lower	Upper
112	100	986507		
64	54.7	43.8	65.6	
63	29.4	23.6	35.4	

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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: 3.849 ng

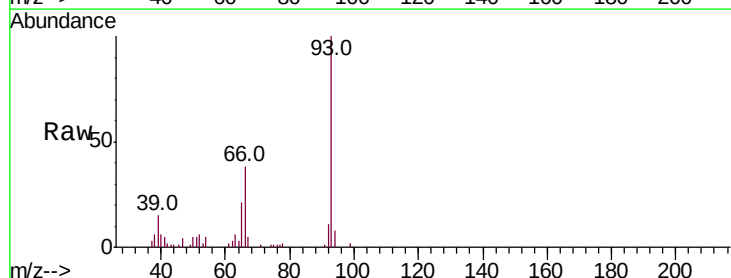
RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

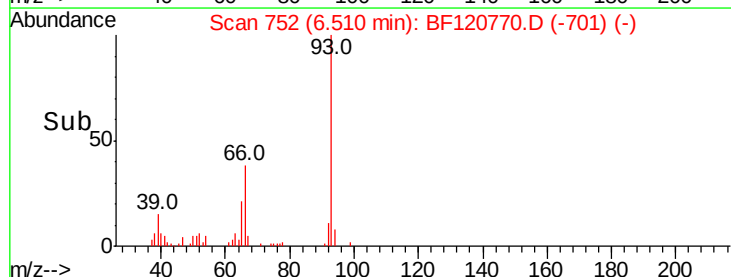
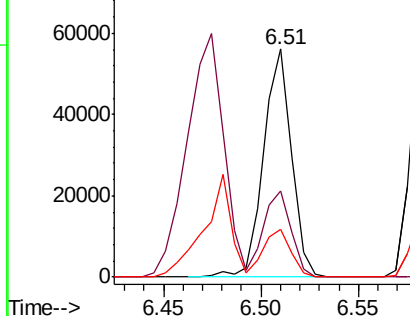
Lab File: BF120770.D

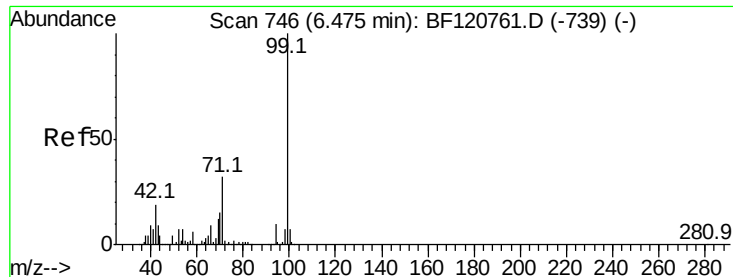
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	55717		
66	38.1	31.3	46.9	
65	20.9	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: 106.830 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 99 Resp: 1204149

Ion Ratio Lower Upper

99 100

42 18.4 15.4 23.0

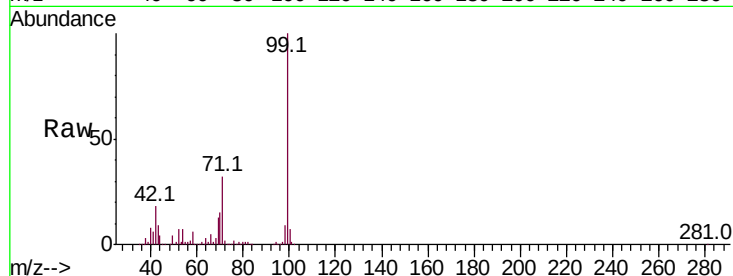
71 31.9 25.9 38.9

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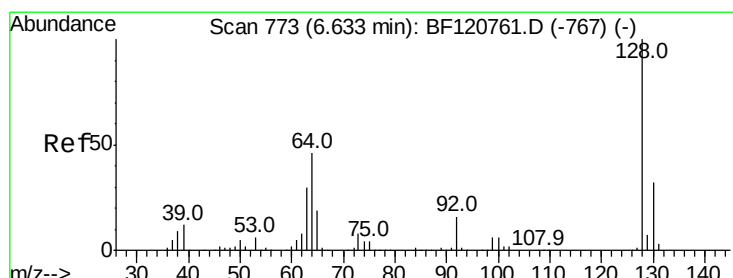
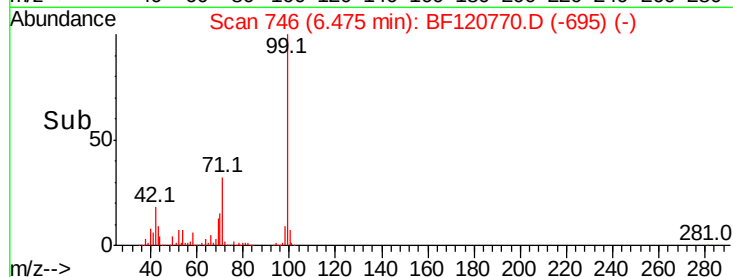
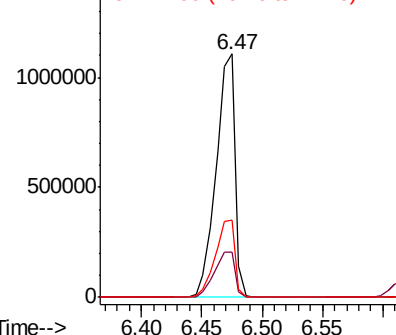
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 3.798 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

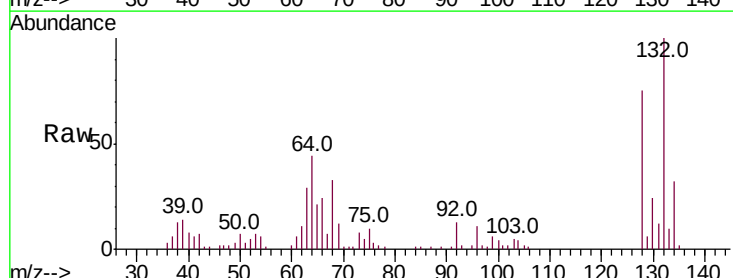
Tgt Ion: 128 Resp: 35689

Ion Ratio Lower Upper

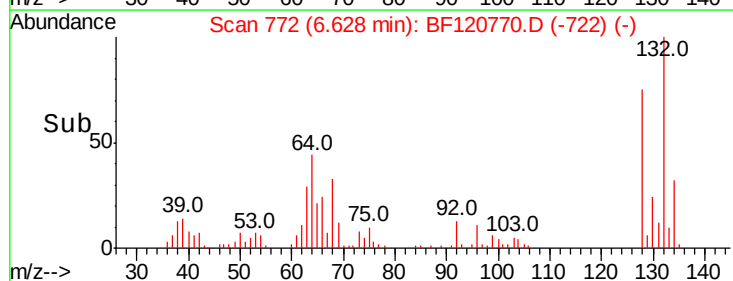
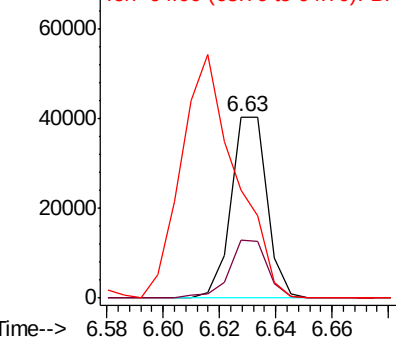
128 100

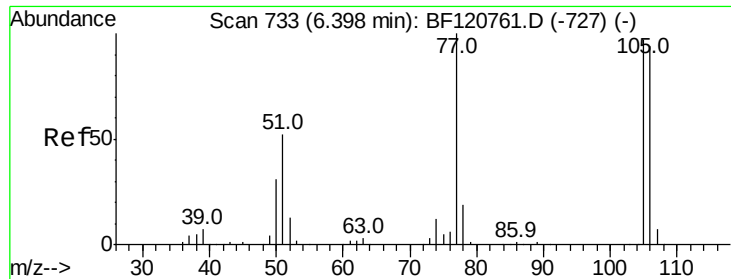
130 31.9 12.1 52.1

64 59.3 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: 4.483 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

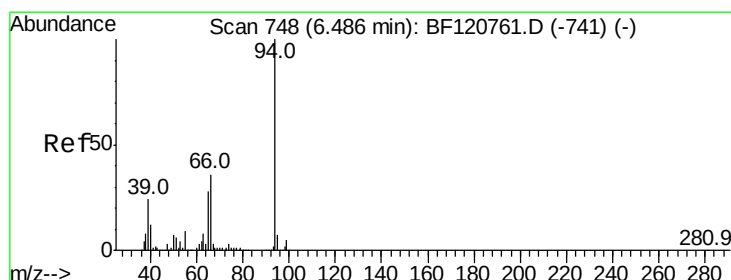
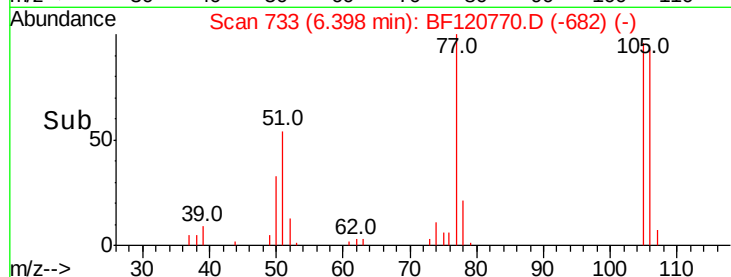
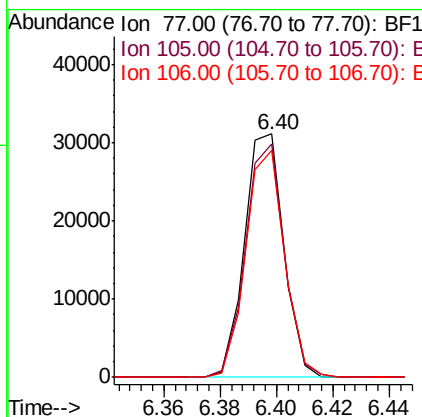
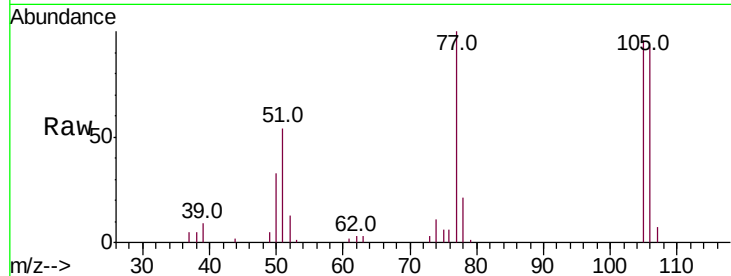
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	77	Resp:	30051
Ion	Ratio	Lower	Upper
77	100		
105	95.6	76.8	116.8
106	93.4	73.8	113.8

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#10

Phenol

Concen: 3.953 ng

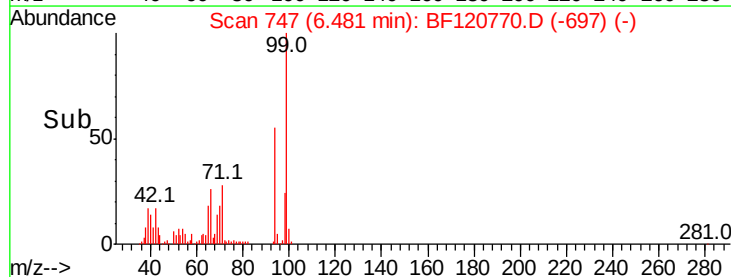
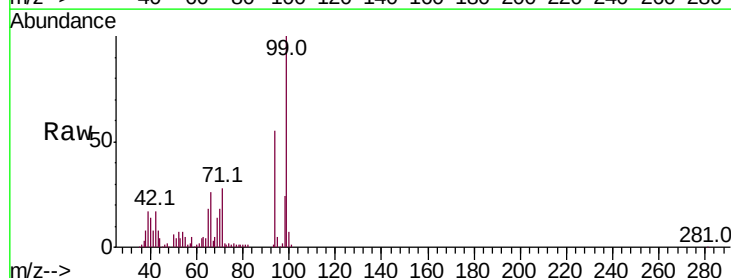
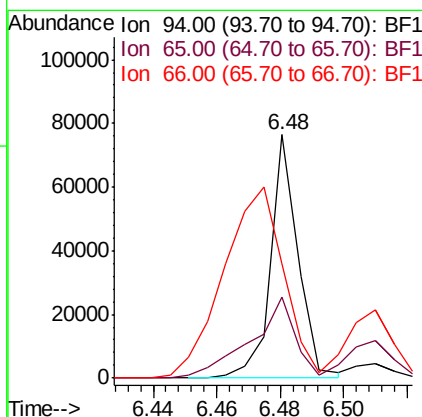
RT: 6.48 min Scan# 747

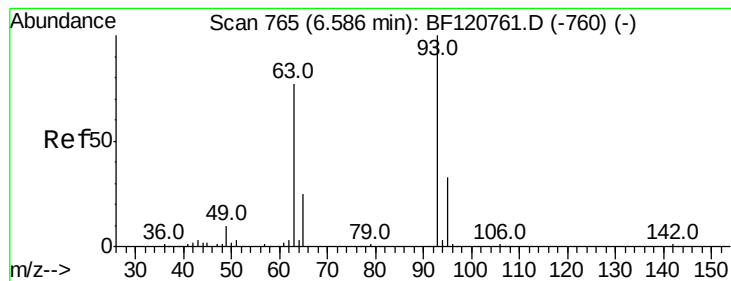
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	94	Resp:	45832
Ion	Ratio	Lower	Upper
94	100		
65	33.1	8.4	48.4
66	46.8	16.5	56.5





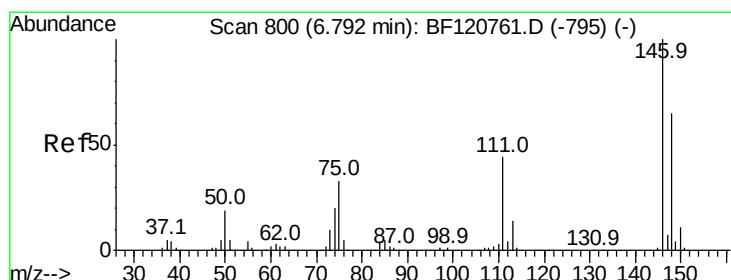
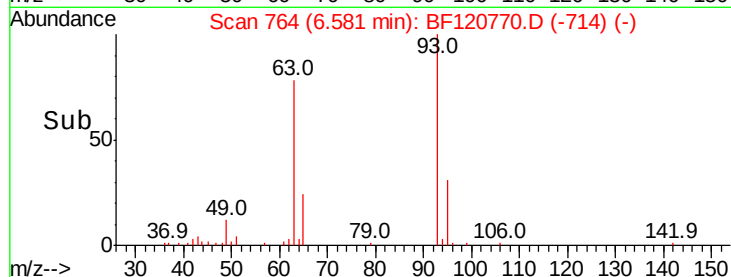
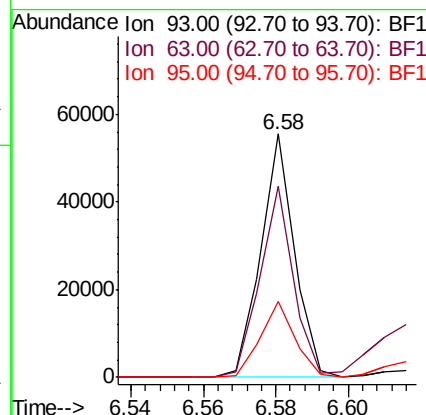
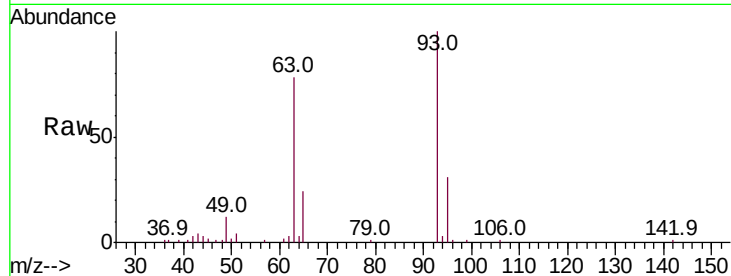
#11
bis(2-Chloroethyl)ether
Concen: 3.765 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.3	56.9	96.9
95	31.3	13.3	53.3

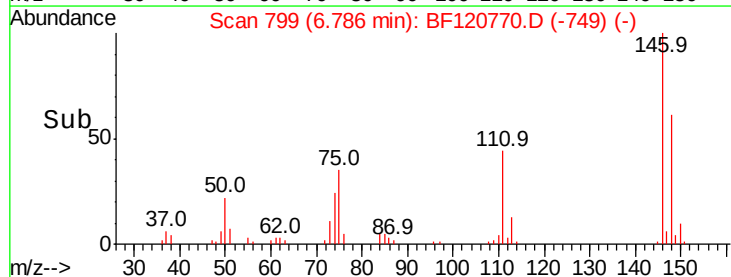
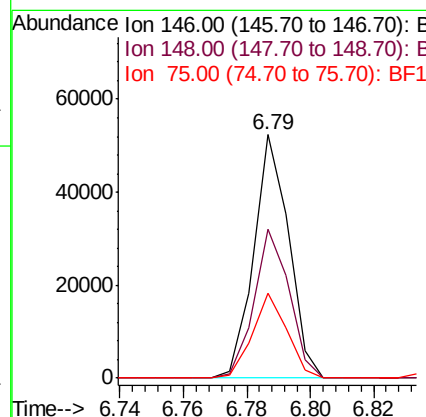
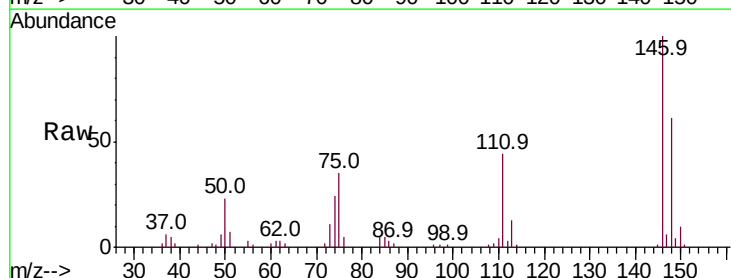
Manual Integrations
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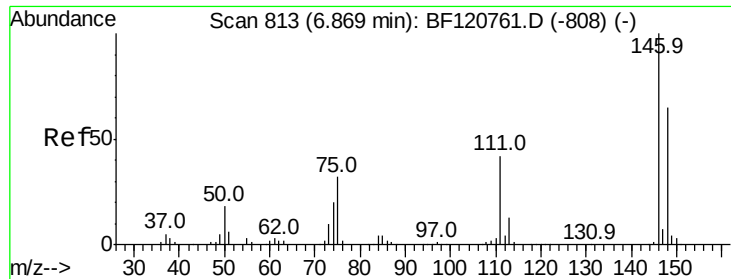
Sohil
7/7/2020 8:20:48 AM



#12
1,3-Dichlorobenzene
Concen: 3.867 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.1	52.1	78.1
75	34.7	26.0	39.0





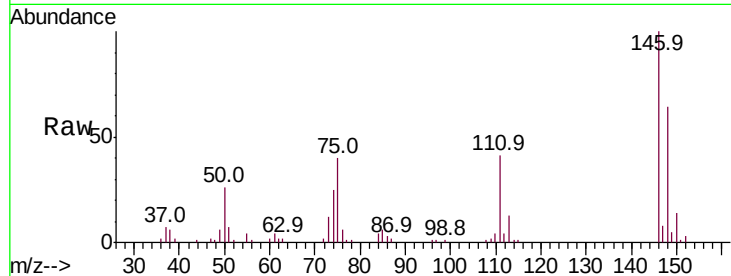
#13
1,4-Dichlorobenzene
Concen: 3.770 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.6
111	41.3	33.7	50.5

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7/7/2020 8:20:48 AM

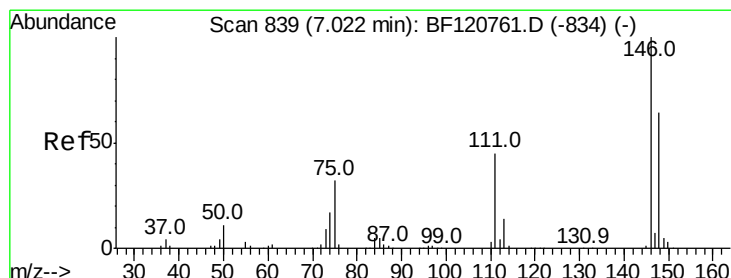
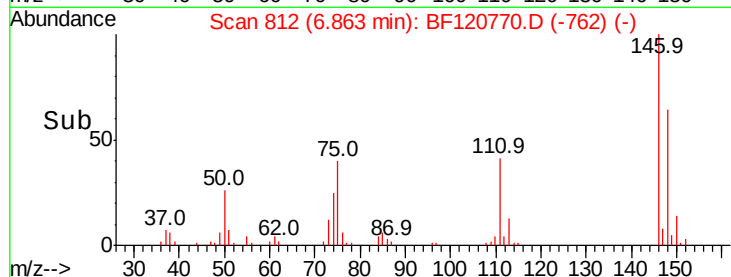
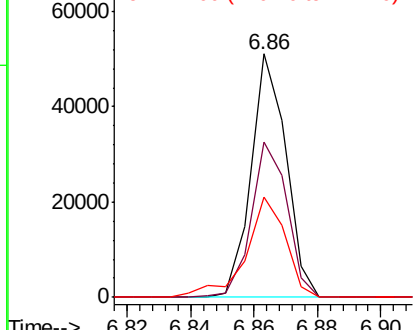


Abundance

Ion 146.00 (145.70 to 146.70): E

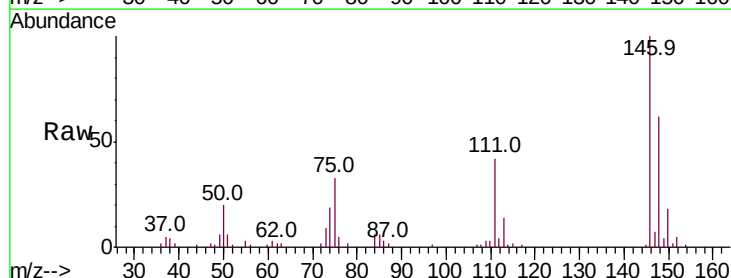
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 3.779 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.0	76.4
111	42.0	35.7	53.5

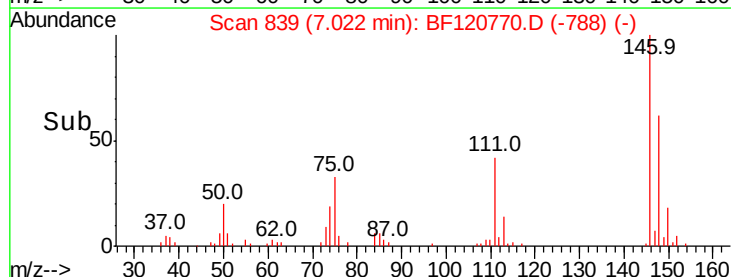
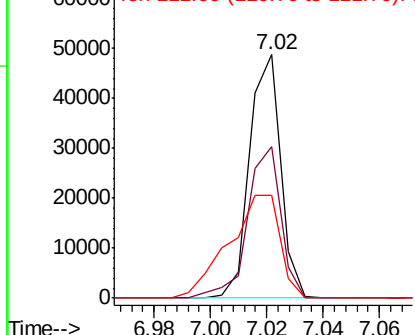


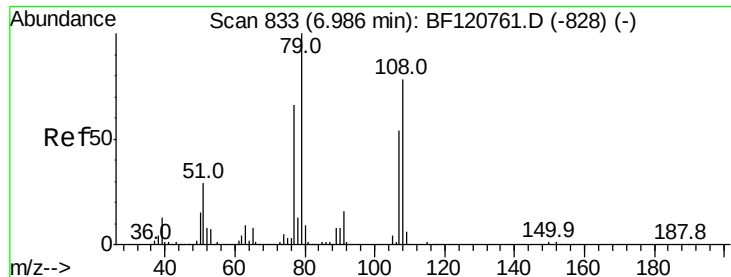
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.484 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

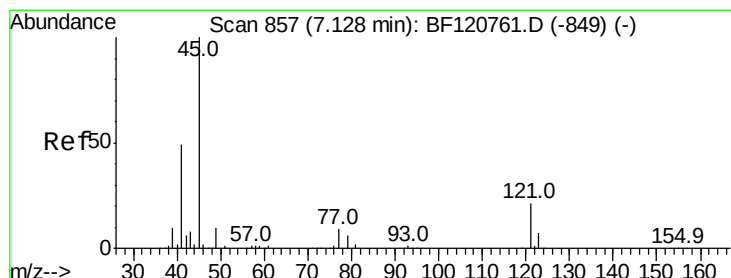
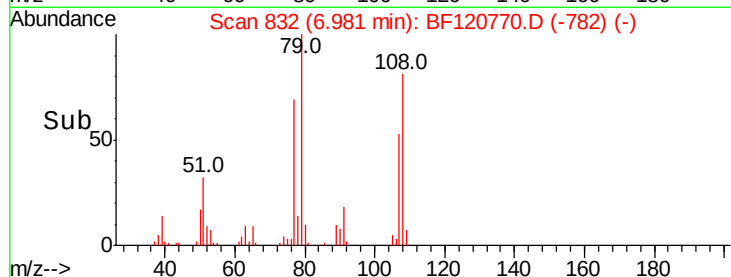
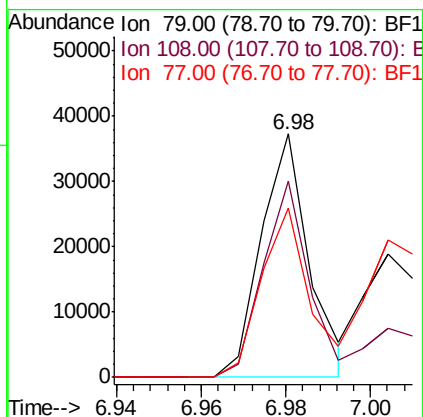
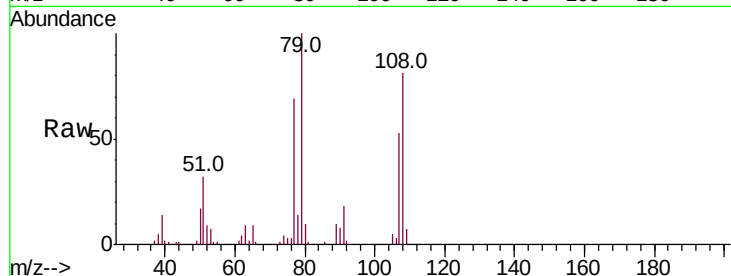
ClientSampled :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	79	Resp:	29507
Ion Ratio	Lower	Upper	
79	100		
108	80.6	62.4	93.6
77	69.4	52.7	79.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 3.719 ng

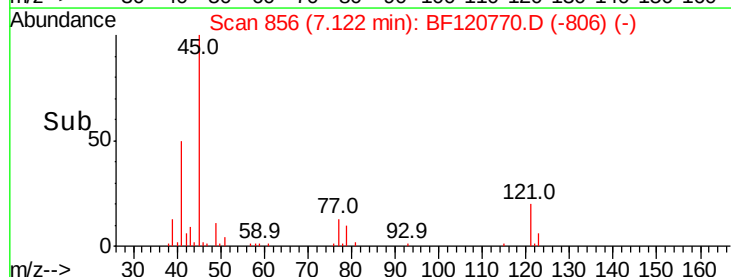
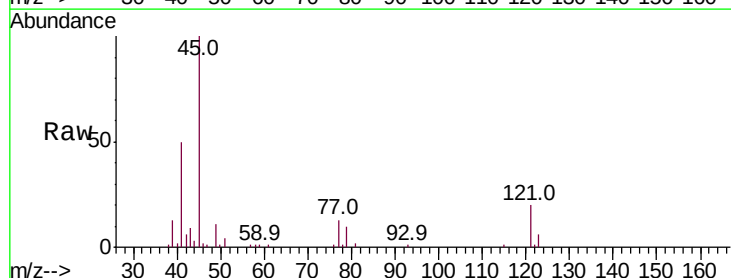
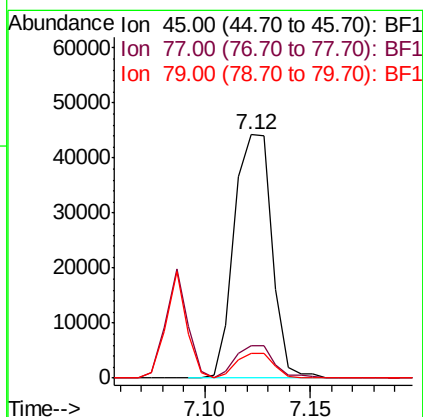
RT: 7.12 min Scan# 856

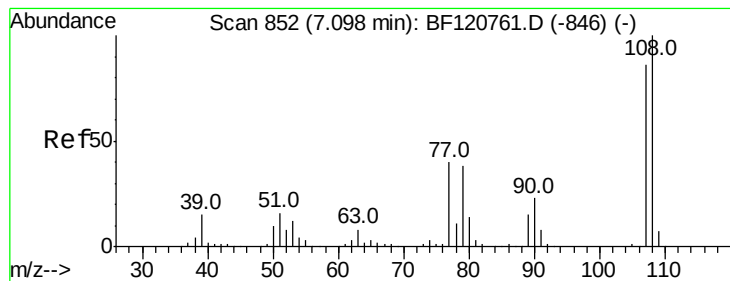
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	45	Resp:	54732
Ion Ratio	Lower	Upper	
45	100		
77	13.3	0.0	33.7
79	10.1	0.0	30.5





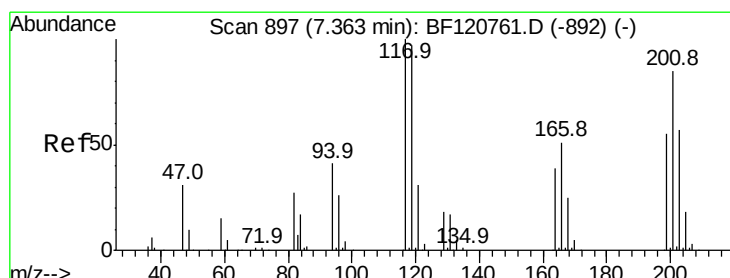
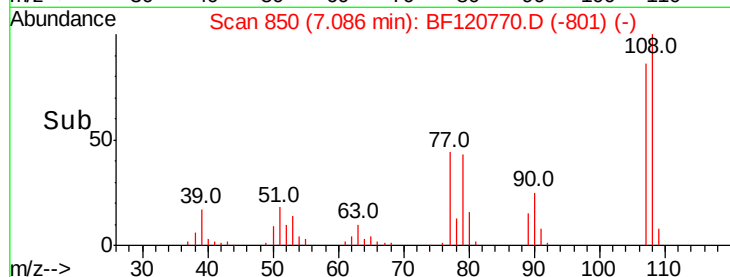
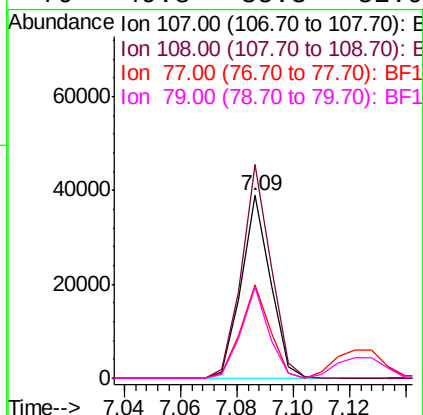
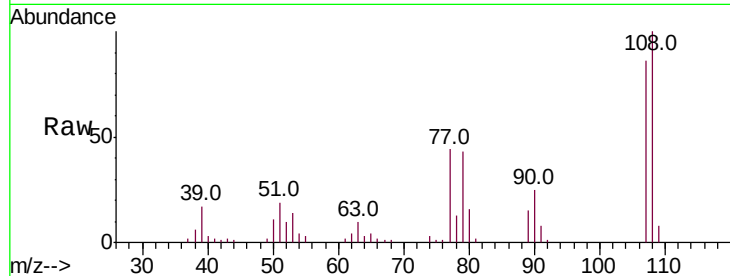
#17
2-Methylphenol
Concen: 3.341 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.9	93.1	139.7	
77	51.3	37.3	55.9	
79	49.8	35.3	52.9	

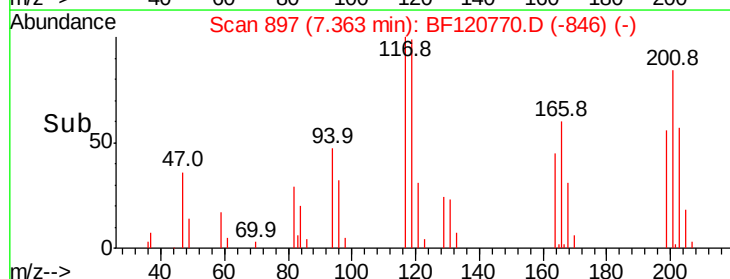
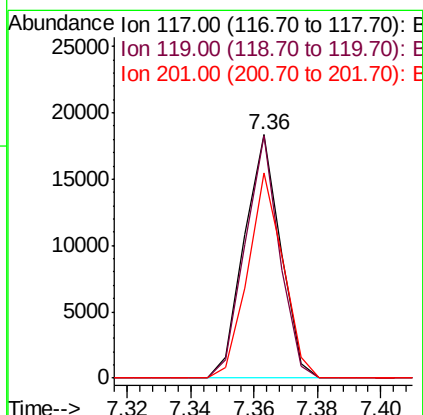
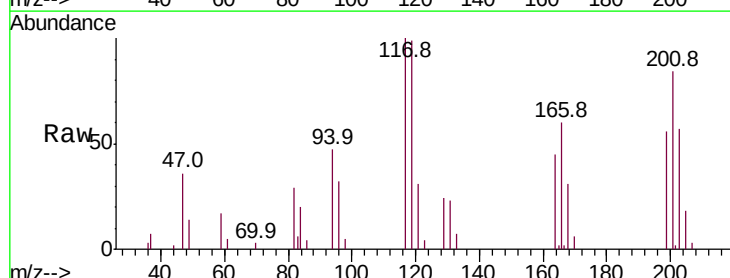
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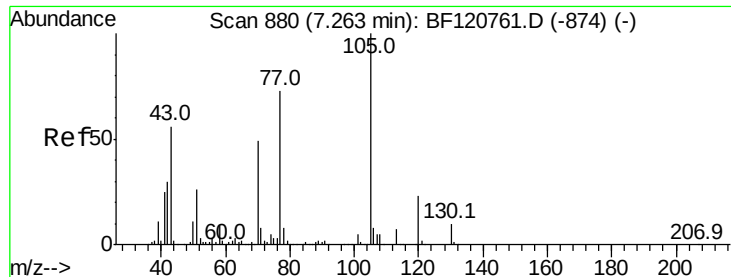
Sohil
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#18
Hexachloroethane
Concen: 3.728 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	99.4	77.9	116.9	
201	86.1	68.3	102.5	





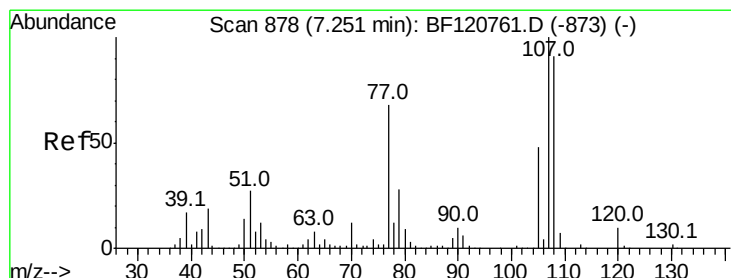
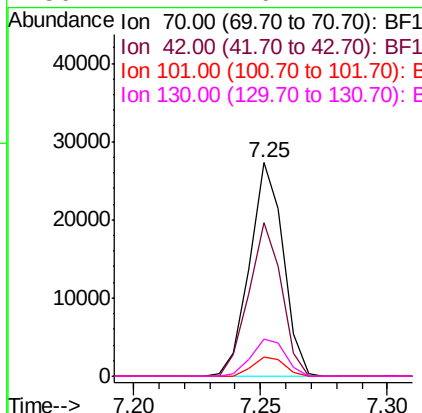
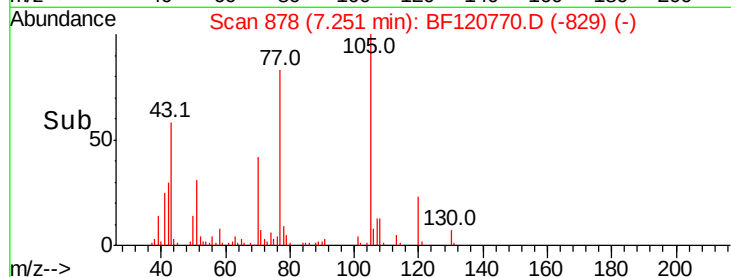
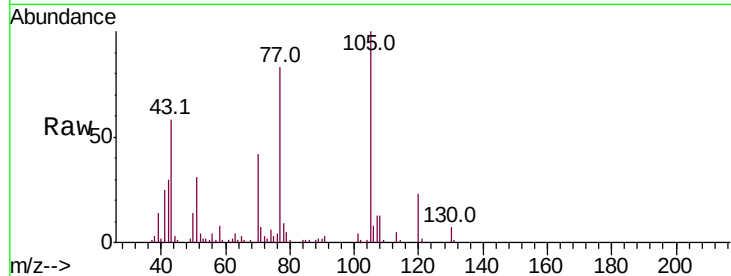
#19
n-Nitroso-di-n-propylamine
Concen: 3.716 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	72.1	50.3	75.5	
101	9.0	7.5	11.3	
130	17.2	16.1	24.1	

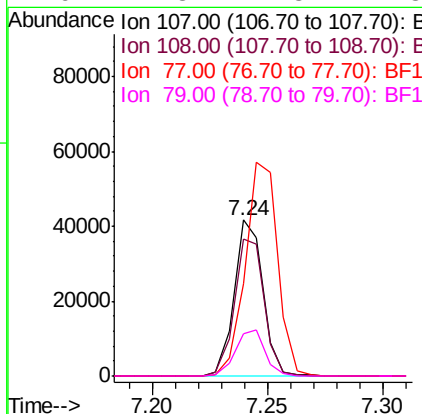
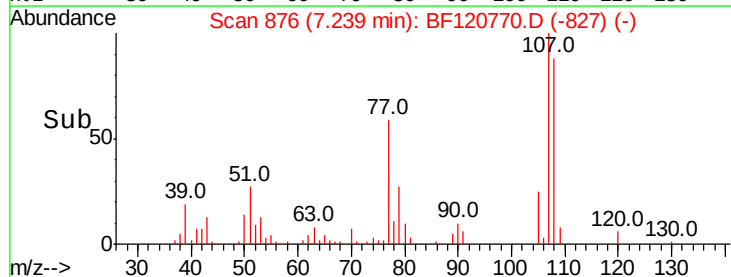
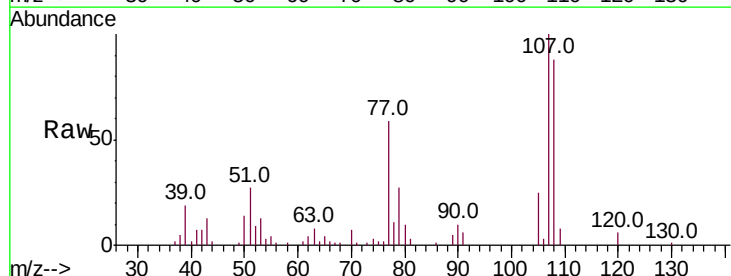
Manual Integrations
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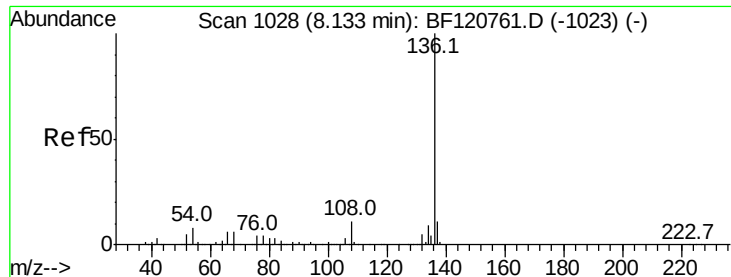
Sohil
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#20
3+4-Methylphenols
Concen: 3.481 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.9	70.9	110.9	
77	58.8	48.3	88.3	
79	27.3	7.8	47.8	





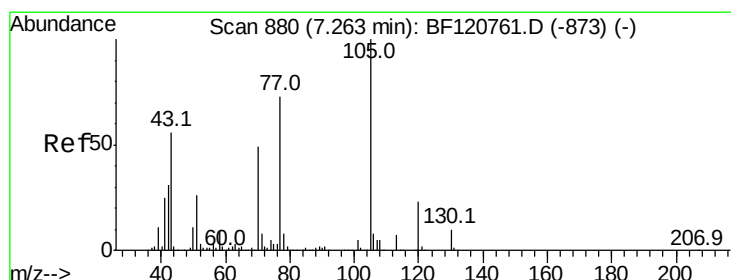
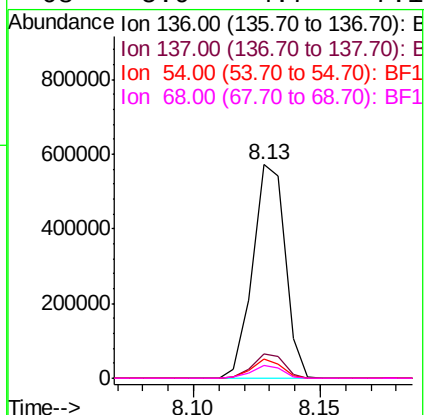
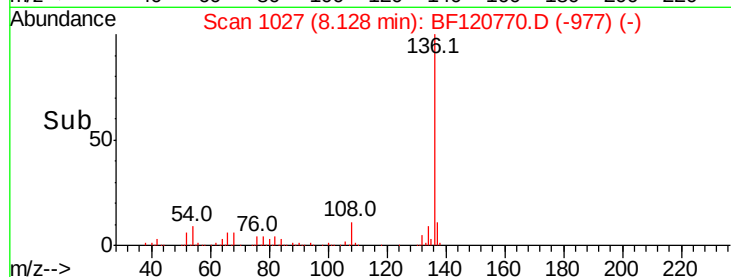
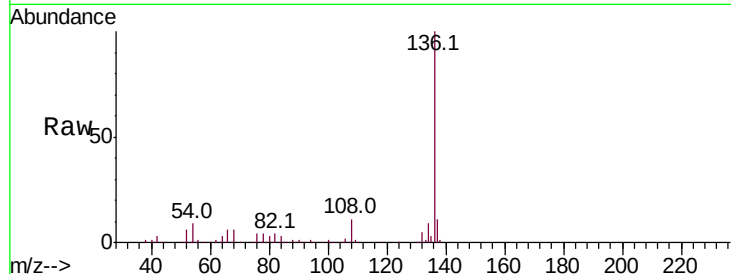
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.0	13.6	
54	8.8	6.2	9.4	
68	5.9	4.7	7.1	

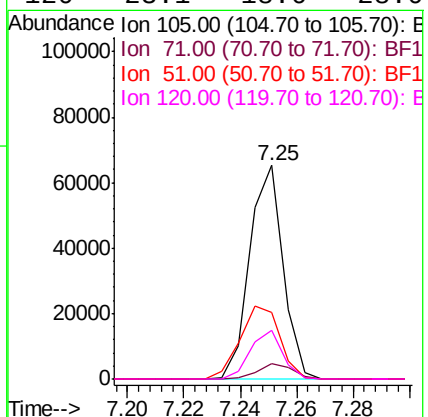
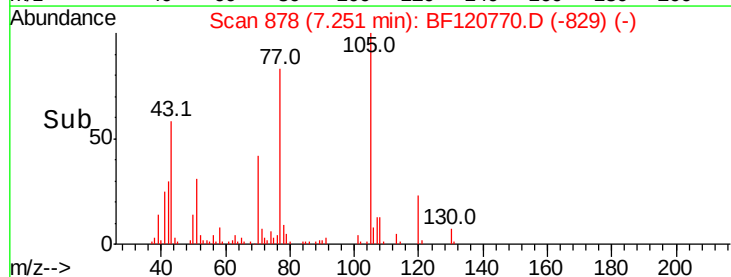
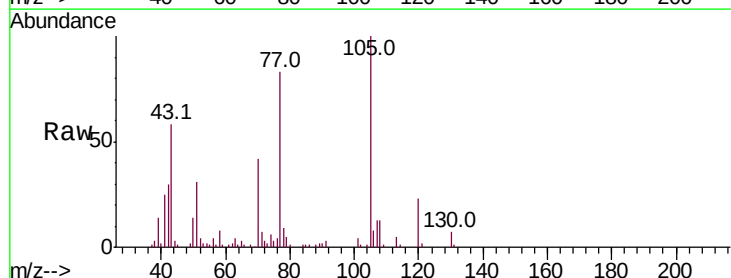
Manual Integrations
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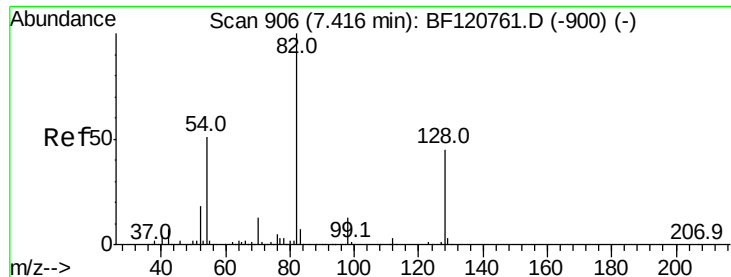
Sohil
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#22
Acetophenone
Concen: 4.193 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	7.1	6.5	9.7	
51	31.2	21.0	31.4	
120	23.1	18.6	28.0	





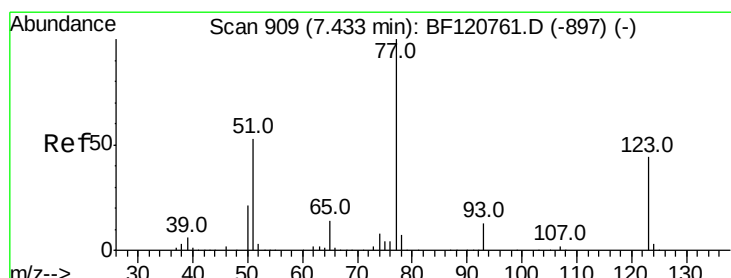
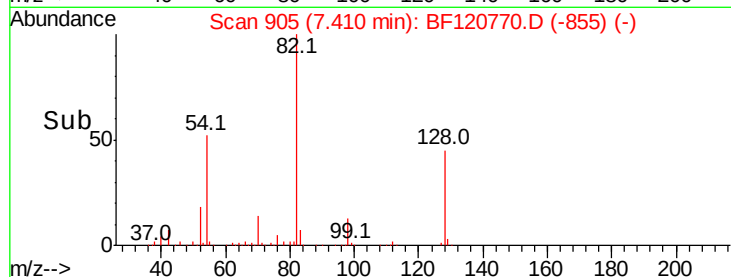
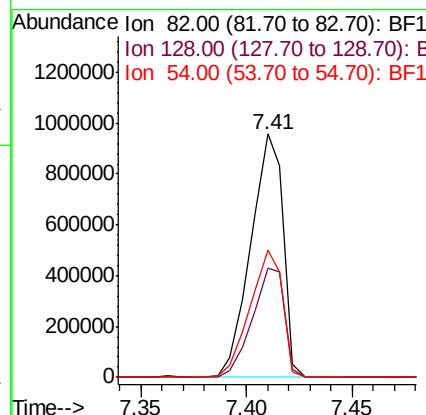
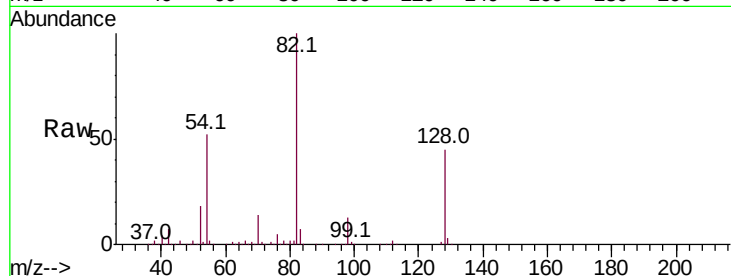
#23
 Nitrobenzene-d5
 Concen: 114.489 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 82 Resp: 1016102
 Ion Ratio Lower Upper
 82 100
 128 44.9 35.7 53.5
 54 52.2 40.9 61.3

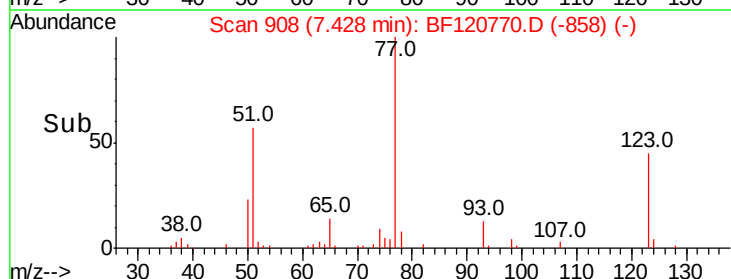
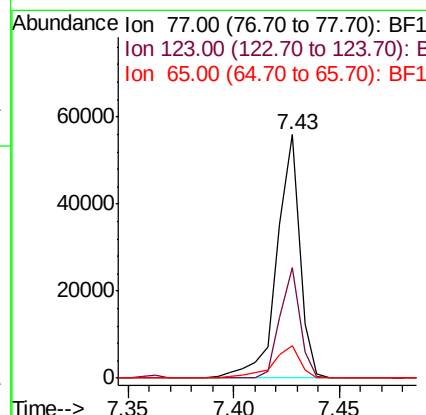
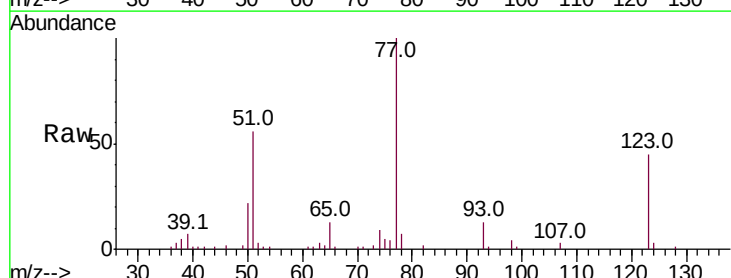
Manual Integrations
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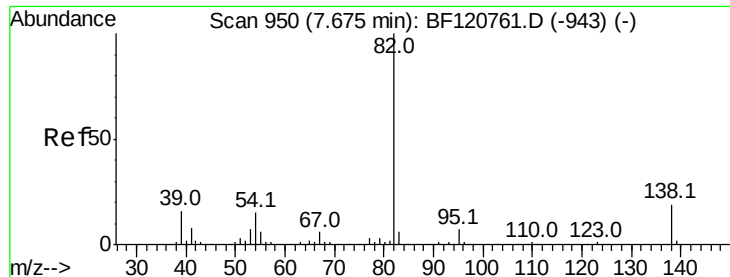
Sohil
 7/7/2020 8:20:48 AM



#24
 Nitrobenzene
 Concen: 4.231 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion: 77 Resp: 42162
 Ion Ratio Lower Upper
 77 100
 123 45.4 36.1 54.1
 65 13.5 11.0 16.4





#25

Isophorone

Concen: 3.533 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

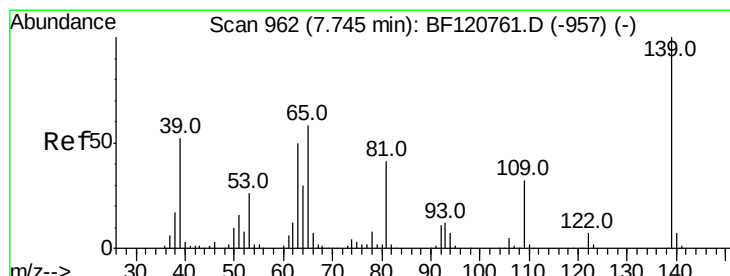
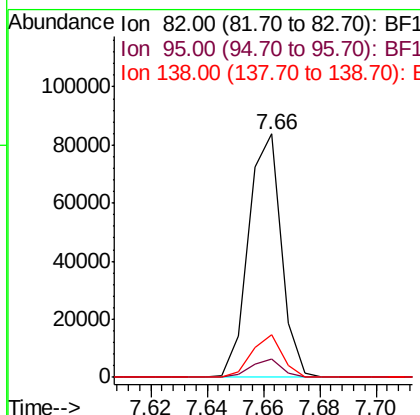
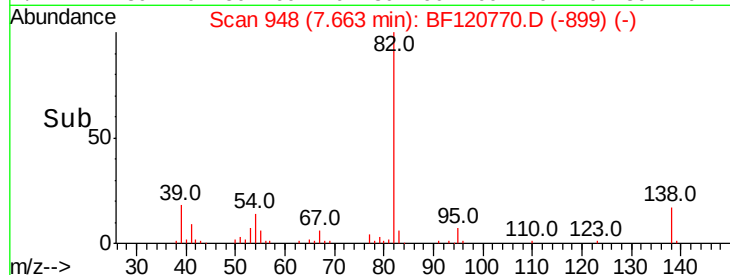
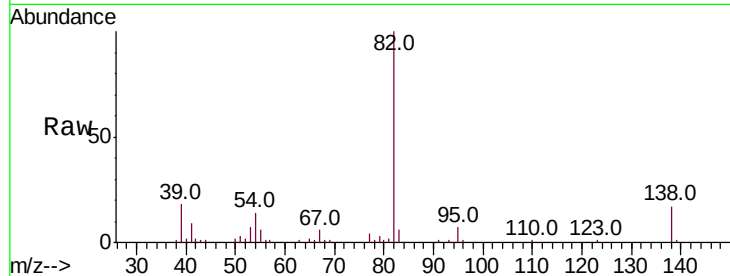
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	82	Resp:	67630
Ion Ratio	Lower	Upper	
82	100		
95	7.4	5.4	8.2
138	17.4	15.0	22.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 2.283 ng

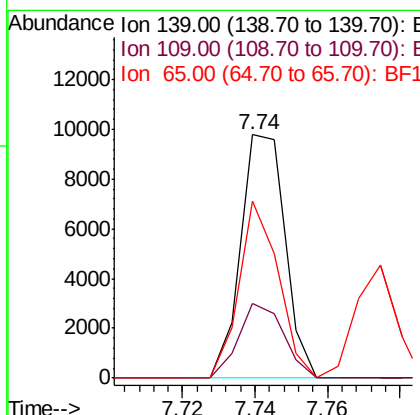
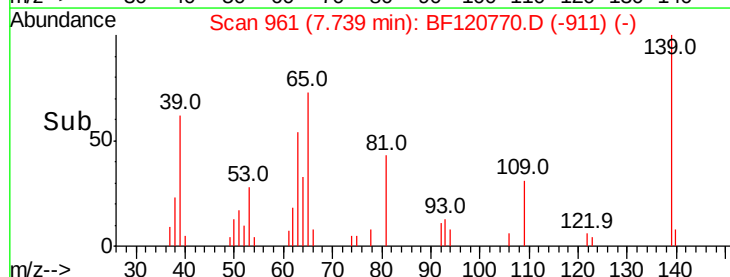
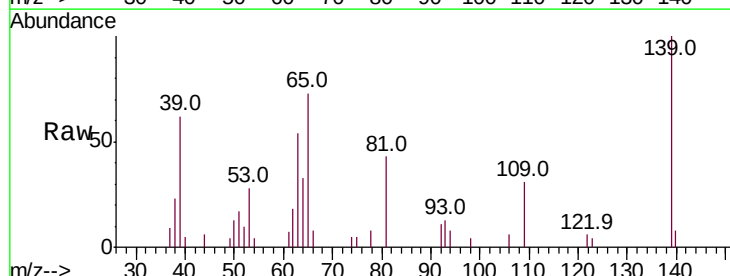
RT: 7.74 min Scan# 961

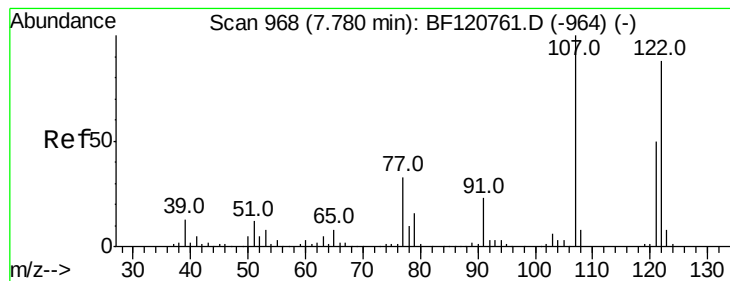
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	139	Resp:	8316
Ion Ratio	Lower	Upper	
139	100		
109	30.8	25.3	37.9
65	72.7	46.2	69.2#





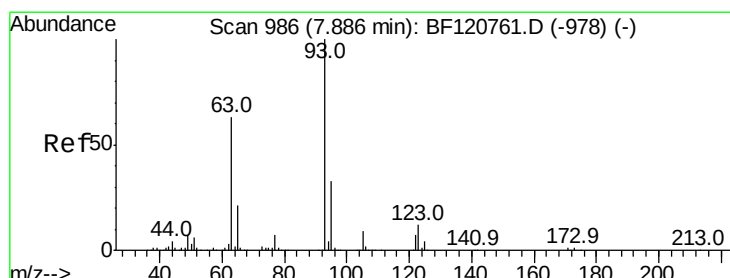
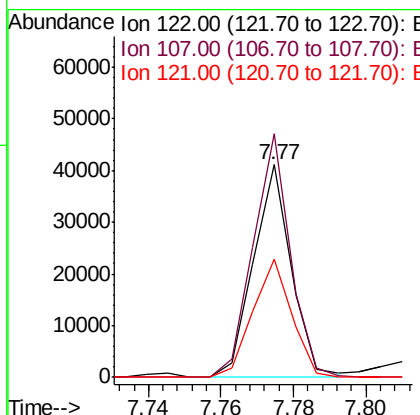
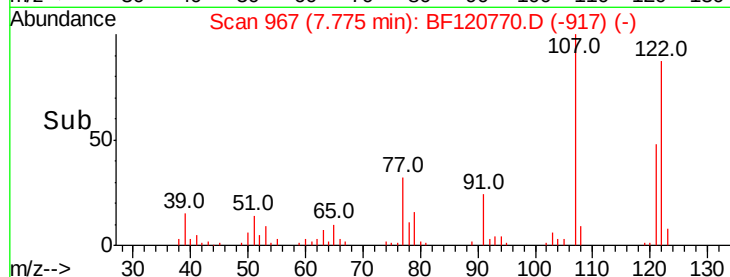
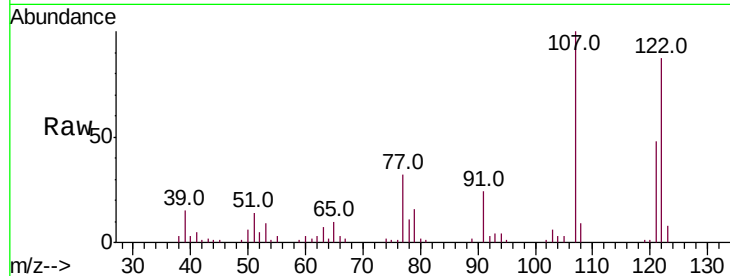
#27
 2,4-Dimethylphenol
 Concen: 3.898 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.6	90.7	136.1
121	55.3	45.4	68.0

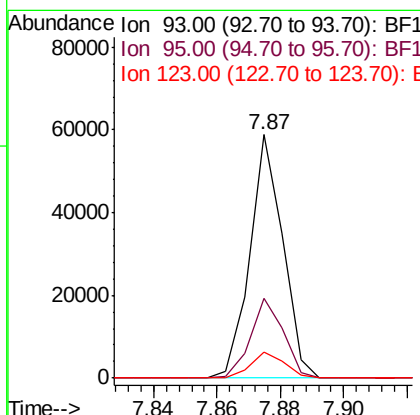
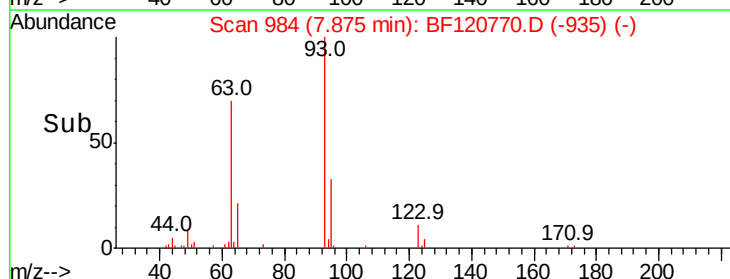
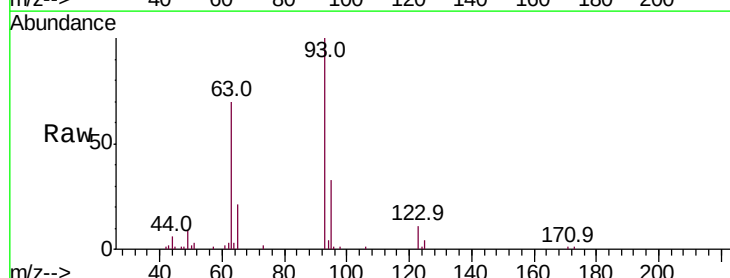
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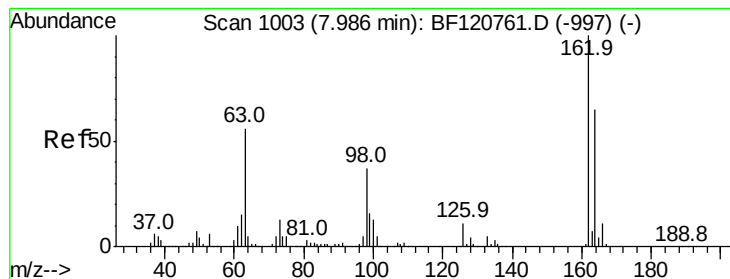
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 7/7/2020 8:20:48 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.734 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.4	39.6
123	10.5	10.2	15.2





#29

2,4-Dichlorophenol

Concen: 3.228 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

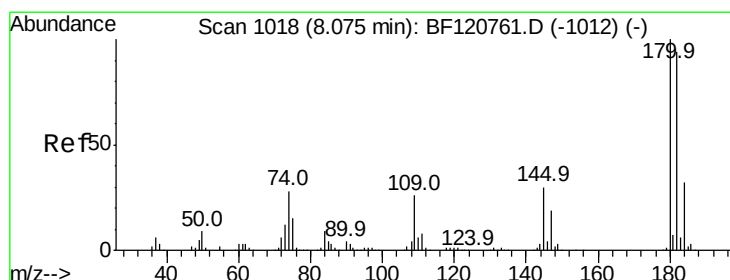
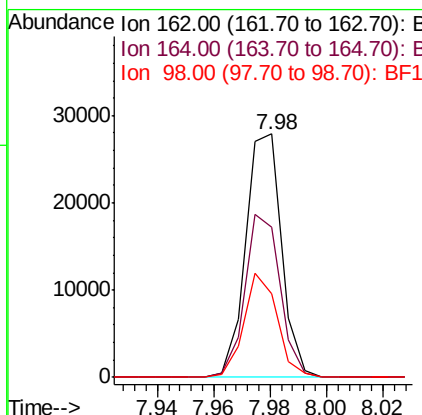
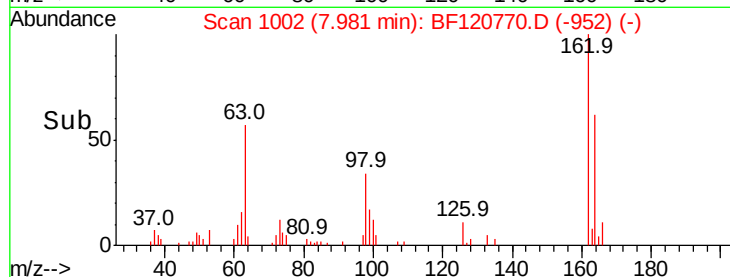
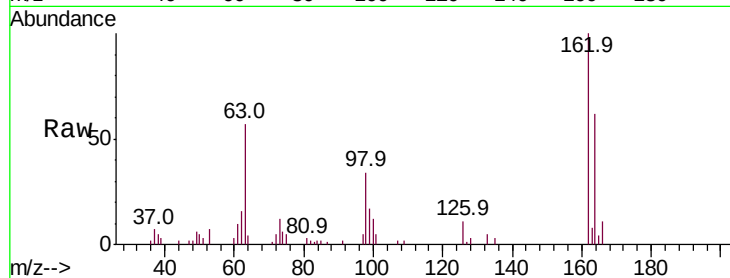
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	162	Resp:	24621
Ion Ratio	Lower	Upper	
162	100		
164	61.7	45.2	85.2
98	34.3	17.0	57.0

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#30

1,2,4-Trichlorobenzene

Concen: 3.441 ng

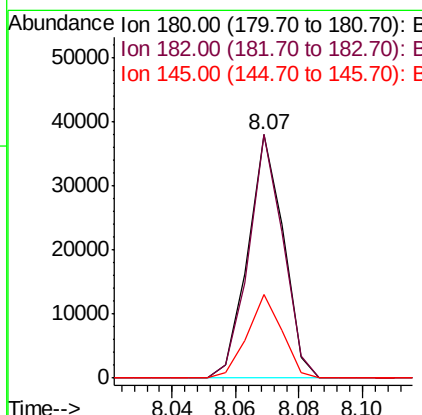
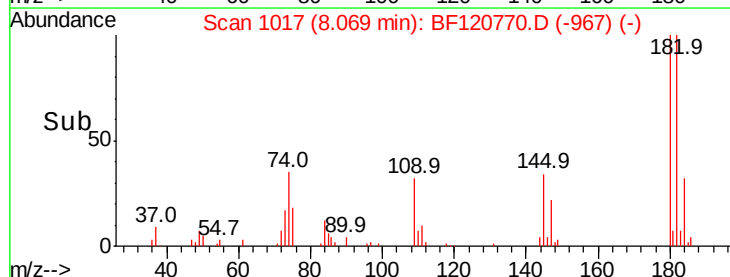
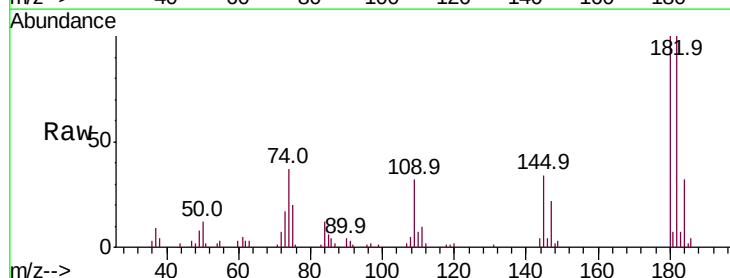
RT: 8.07 min Scan# 1017

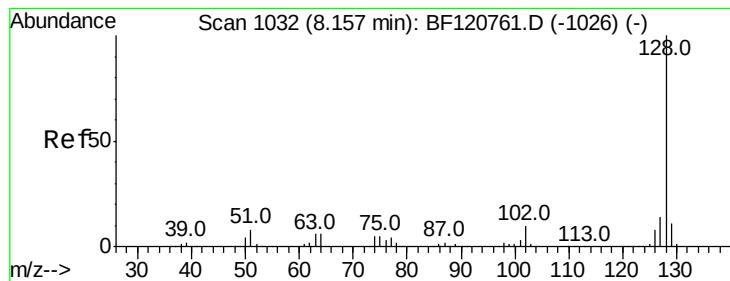
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	180	Resp:	29476
Ion Ratio	Lower	Upper	
180	100		
182	100.1	75.5	113.3
145	34.4	24.1	36.1





#31

Naphthalene

Concen: 3.902 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

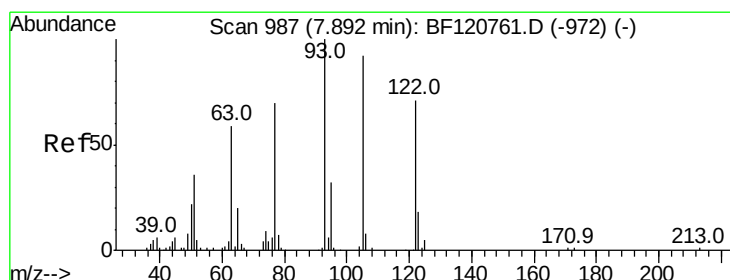
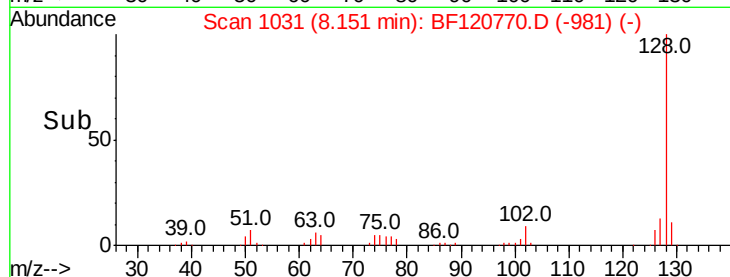
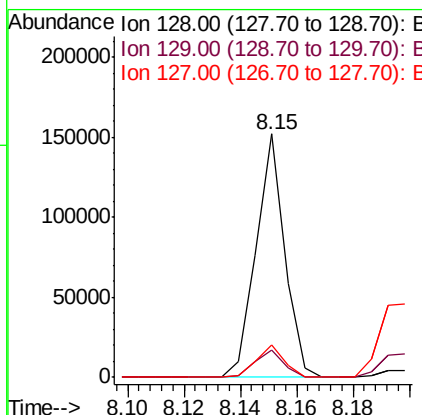
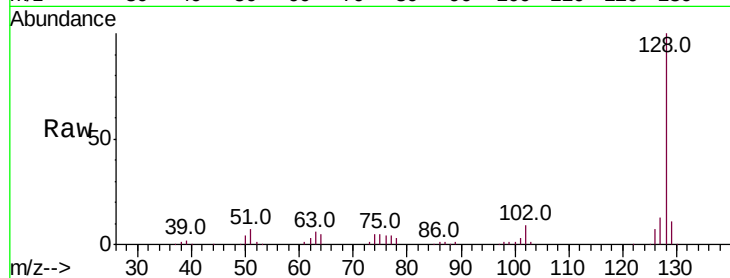
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	128	Resp:	107224
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.2	13.8
127	13.1	11.1	16.7

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#32

Benzoic acid

Concen: 1.463 ng

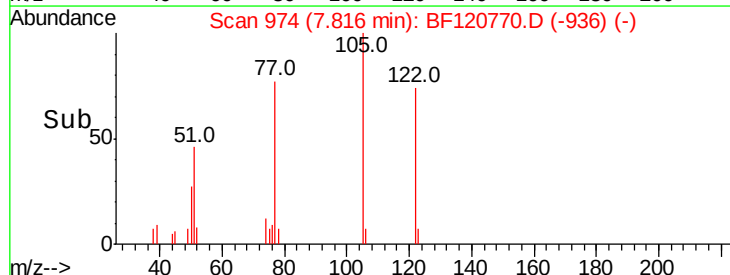
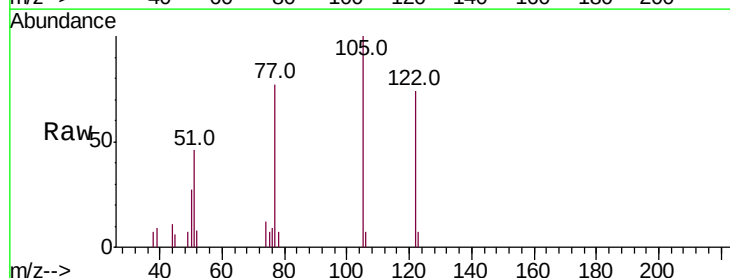
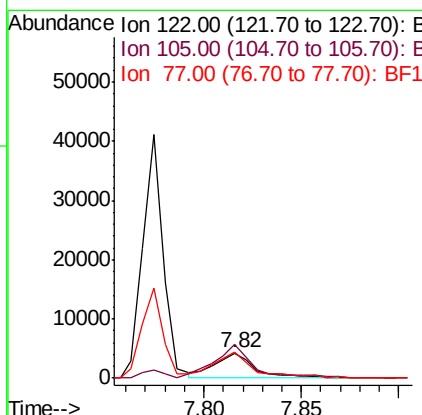
RT: 7.82 min Scan# 974

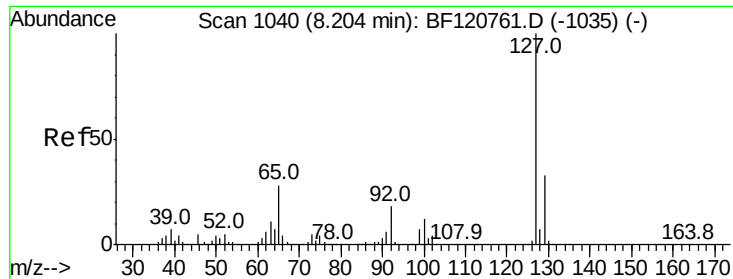
Delta R.T. -0.08 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	122	Resp:	6048
Ion Ratio	Lower	Upper	
122	100		
105	135.2	105.8	145.8
77	104.7	77.3	117.3





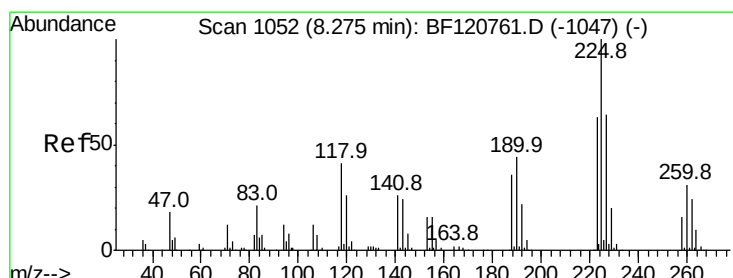
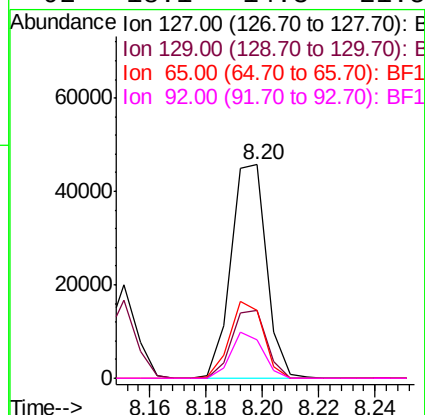
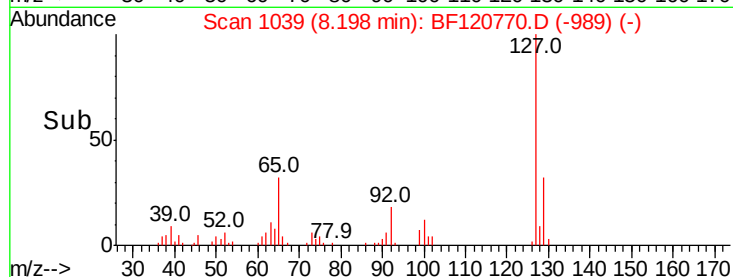
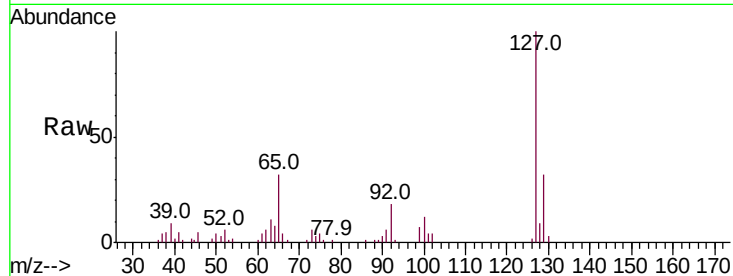
#33
4-Chloroaniline
Concen: 3.431 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.0	26.6	39.8	
65	31.9	22.7	34.1	
92	18.1	14.3	21.5	

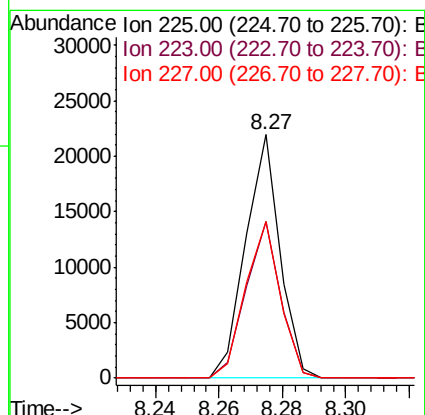
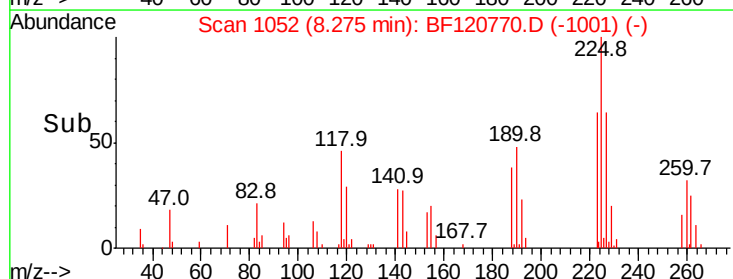
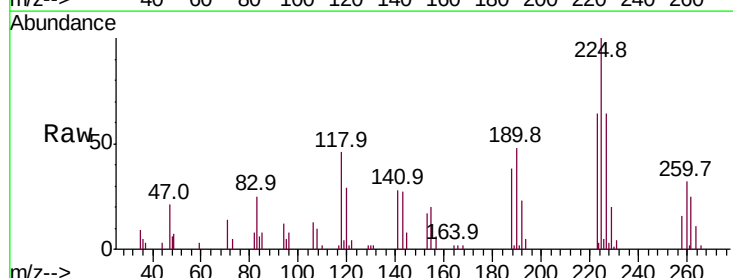
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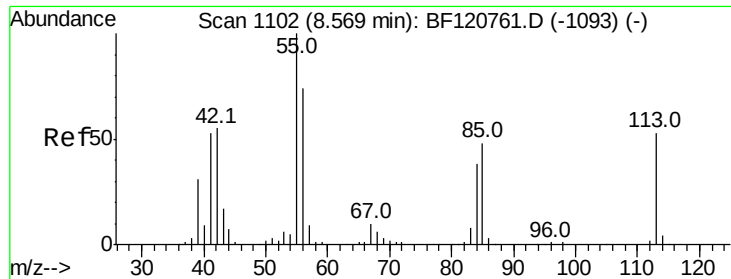
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#34
Hexachlorobutadiene
Concen: 3.197 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	50.6	76.0	
227	63.8	51.4	77.2	





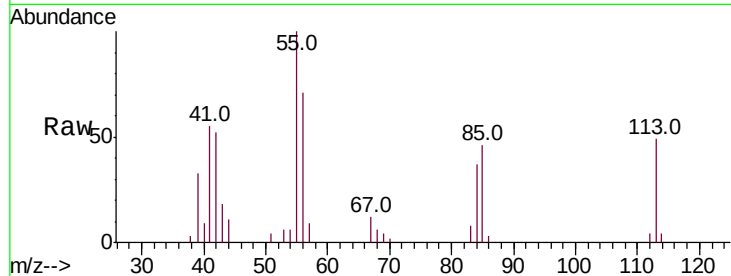
#35
 Caprolactam
 Concen: 3.287 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.05 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

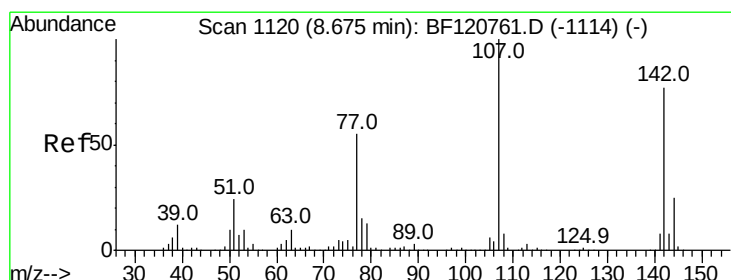
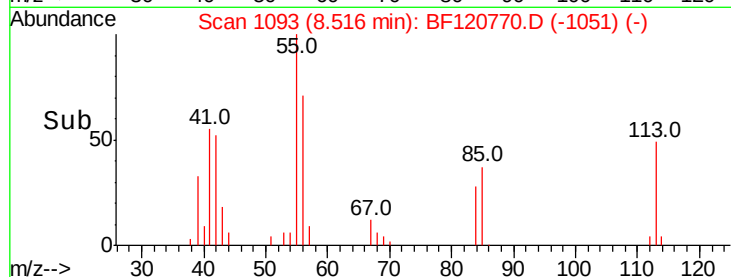
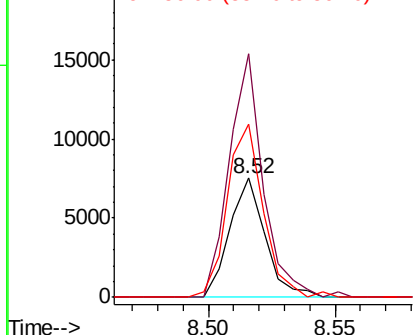
Tot Ion:113 Resp: 7306
 Ion Ratio Lower Upper
 113 100
 55 204.6 168.3 208.3
 56 145.7 118.8 158.8

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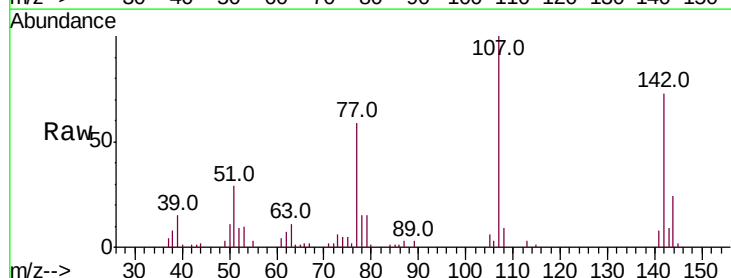


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

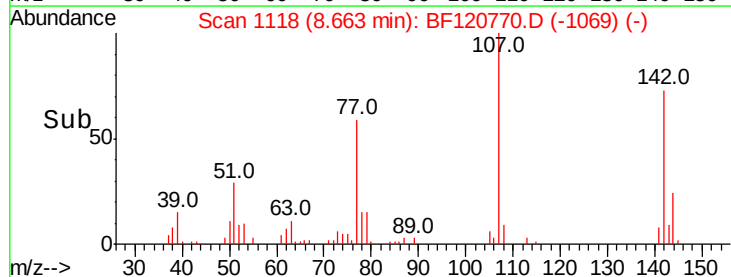
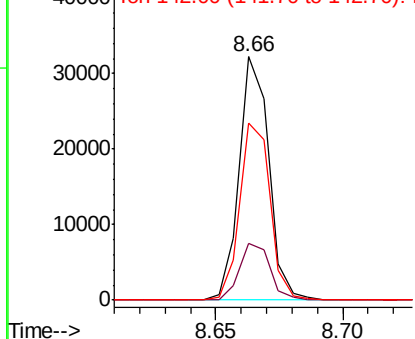


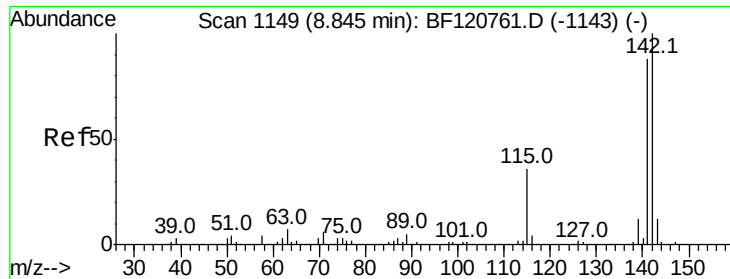
#36
 4-Chloro-3-methylphenol
 Concen: 3.298 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion:107 Resp: 26170
 Ion Ratio Lower Upper
 107 100
 144 23.5 19.7 29.5
 142 72.8 61.2 91.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





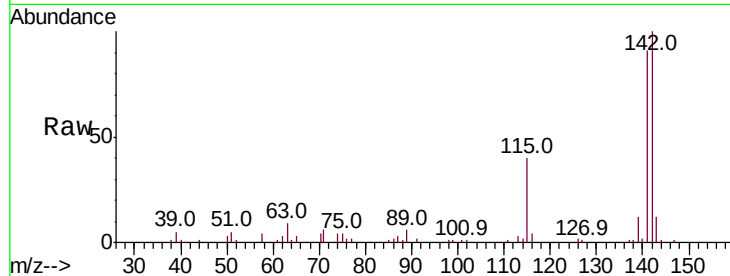
#37
2-Methylnaphthalene
Concen: 3.765 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.2	105.4
115	40.1	29.0	43.4

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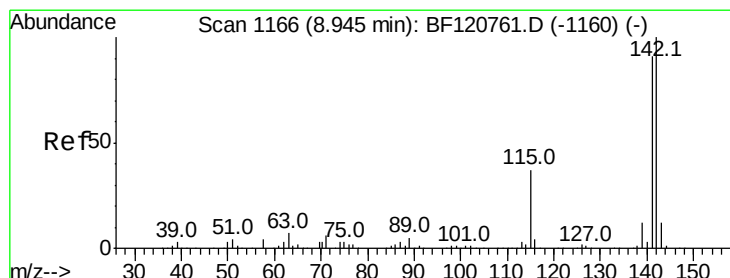
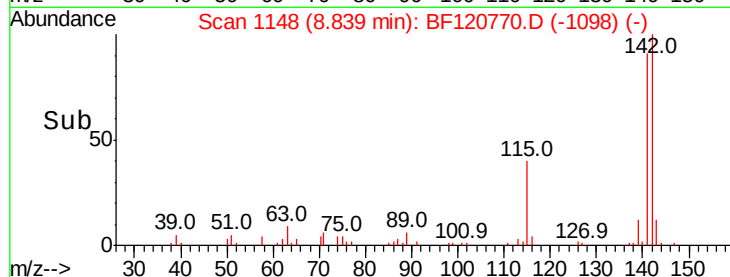
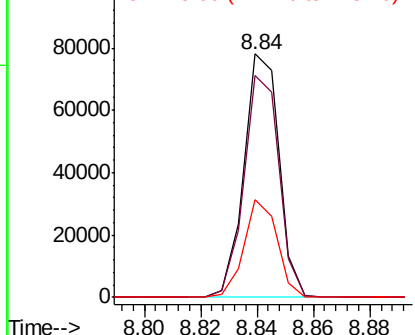


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 3.820 ng m
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

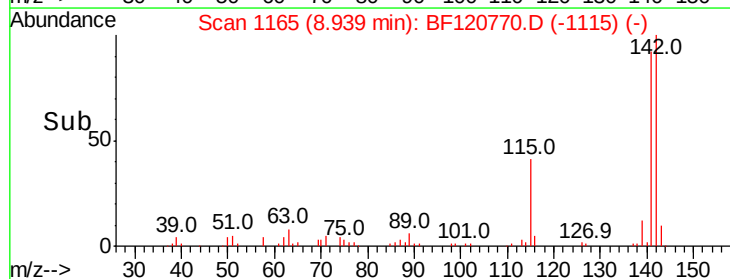
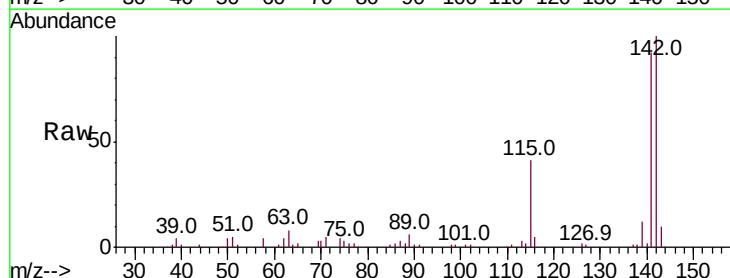
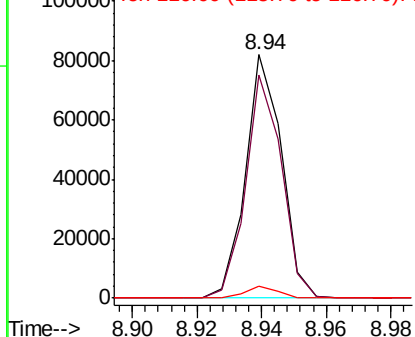
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.5	108.7
116	4.8	3.1	4.7#

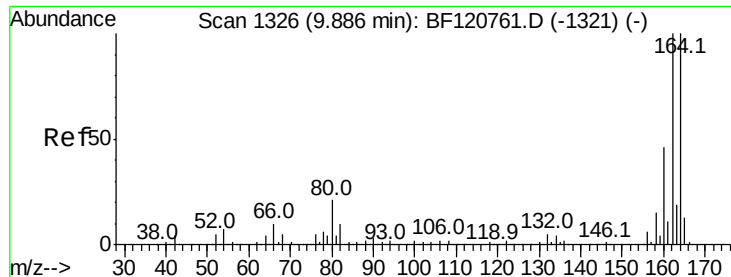
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





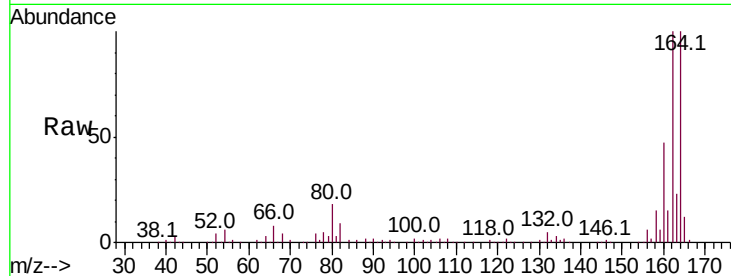
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.2	120.2
160	47.0	36.9	55.3

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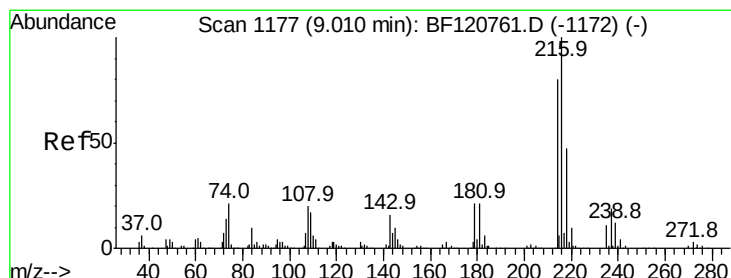
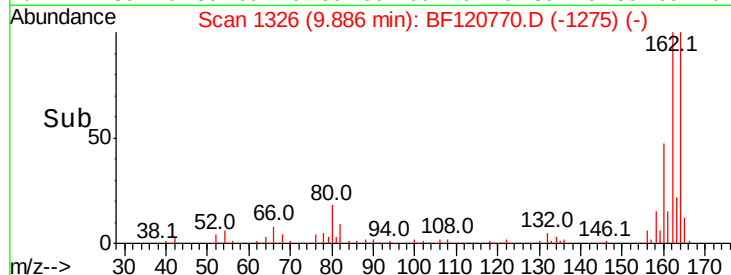
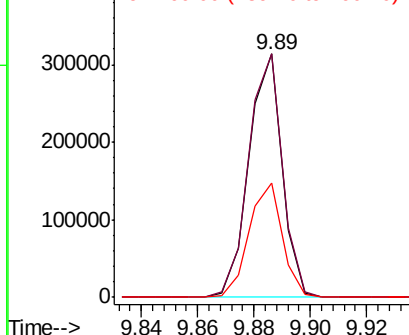


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.735 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.7	95.5
179	22.7	16.7	25.1
108	26.3	17.0	25.4#

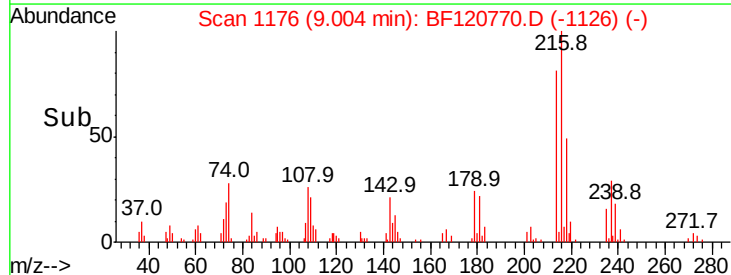
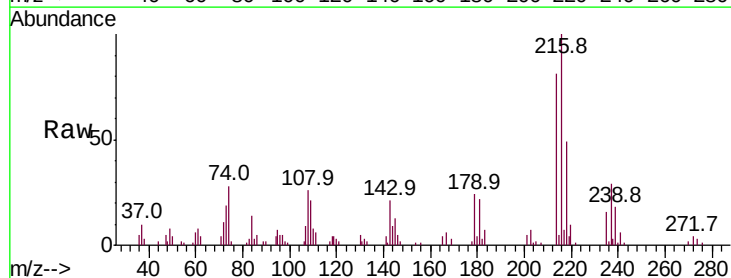
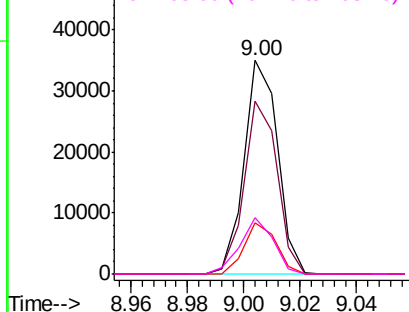
Abundance

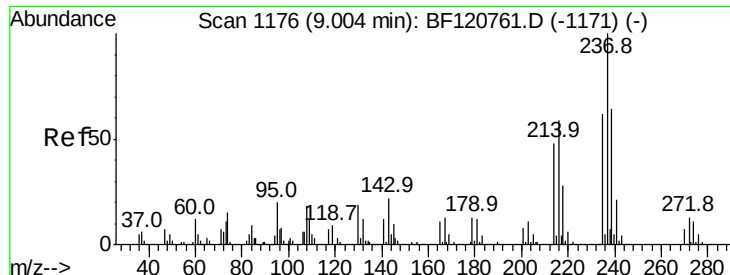
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





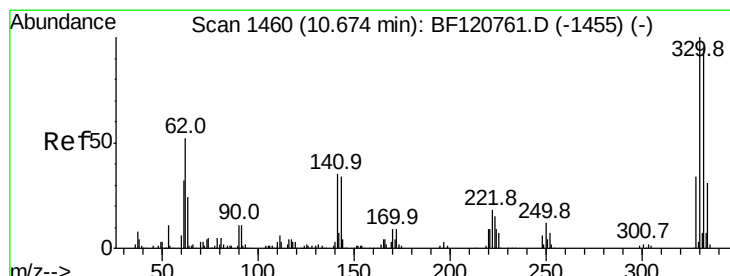
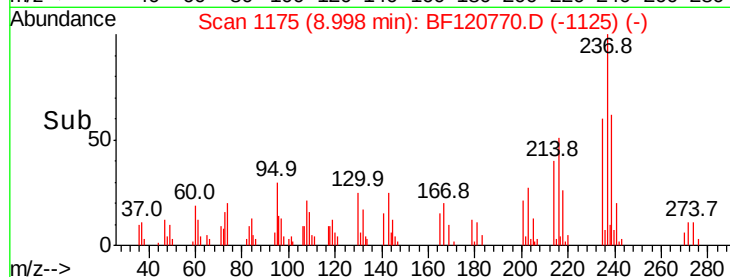
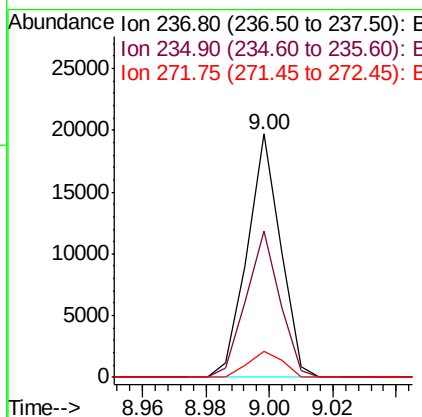
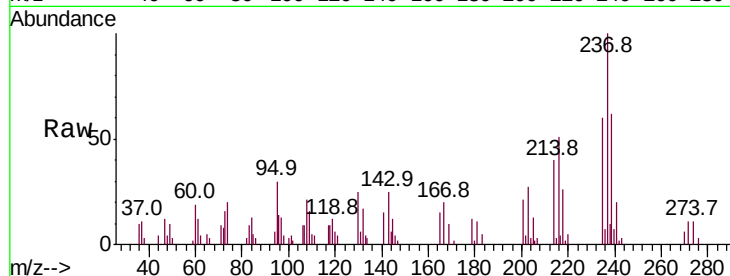
#41
 Hexachlorocyclopentadiene
 Concen: 3.162 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	237	Resp:	14417
Ion Ratio	Lower	Upper	
237	100		
235	60.0	42.1	82.1
272	10.9	0.0	33.4

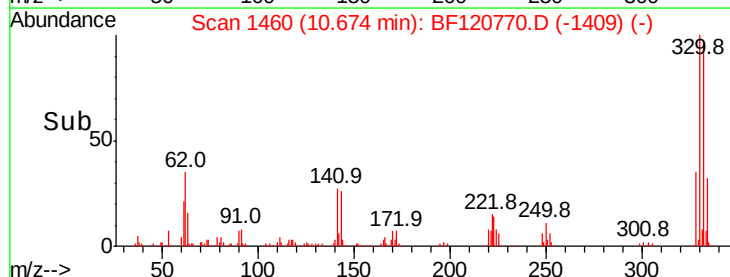
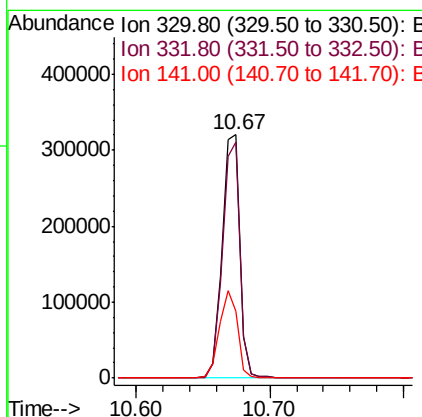
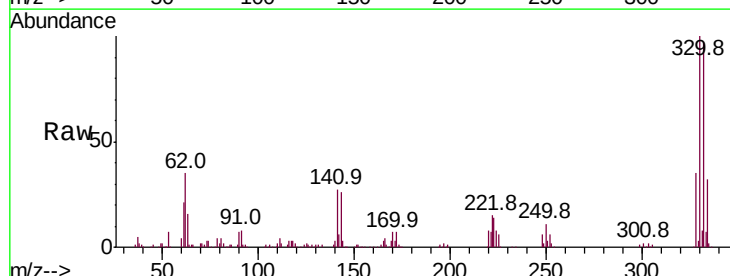
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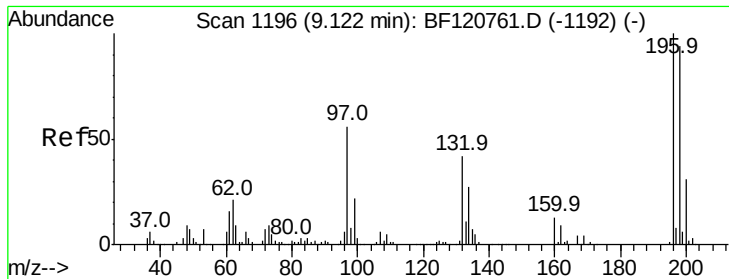
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#42
 2,4,6-Tribromophenol
 Concen: 117.907 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion:	330	Resp:	302442
Ion Ratio	Lower	Upper	
330	100		
332	95.2	75.8	113.6
141	36.7	29.7	44.5





#43

2,4,6-Trichlorophenol

Concen: 2.839 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

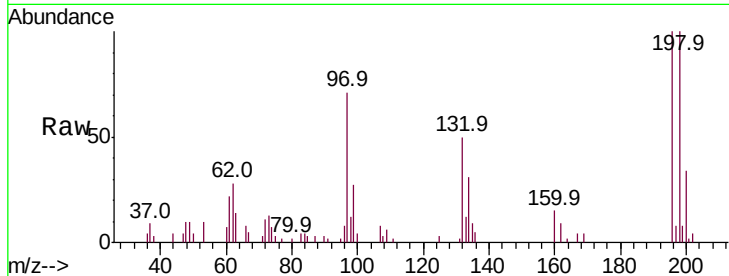
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

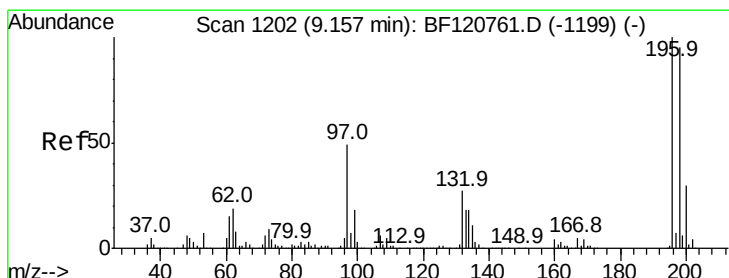
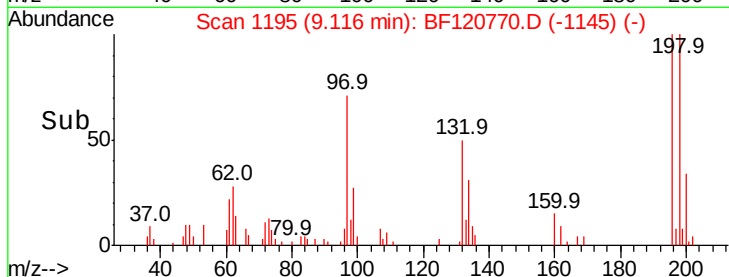
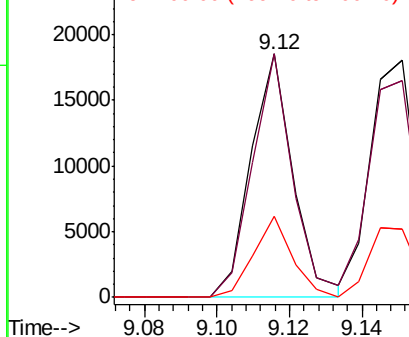
Tot Ion:	196	Resp:	14929
Ion Ratio	Lower	Upper	
196	100		
198	100.1	75.3	112.9
200	33.6	24.4	36.6

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Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 2.880 ng

RT: 9.15 min Scan# 1201

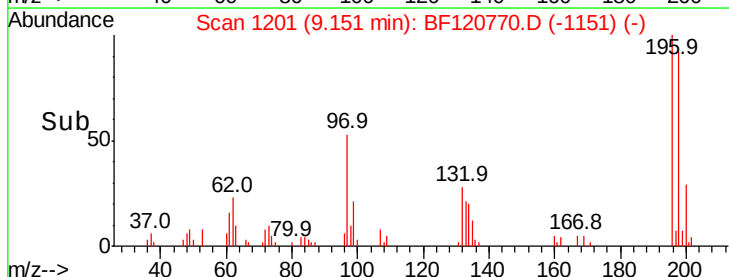
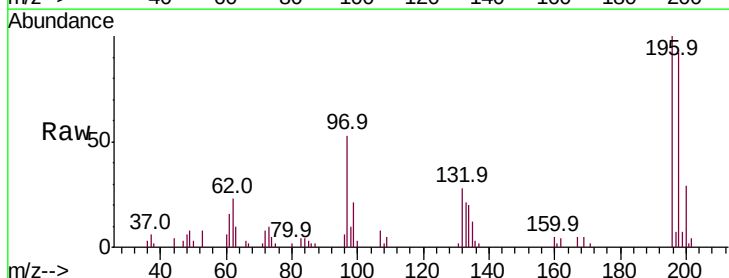
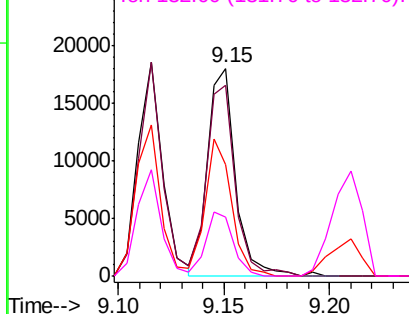
Delta R.T. -0.01 min

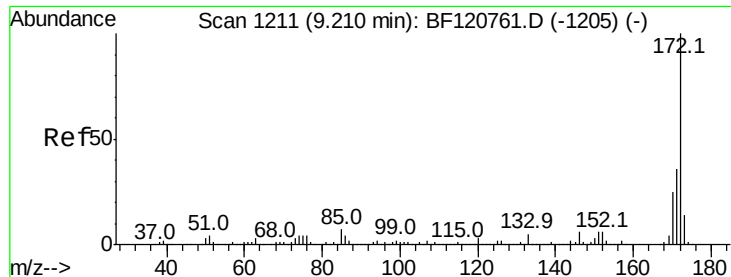
Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	196	Resp:	16805
Ion Ratio	Lower	Upper	
196	100		
198	91.7	76.2	114.2
97	53.5	39.6	59.4
132	28.5	22.0	33.0

Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E





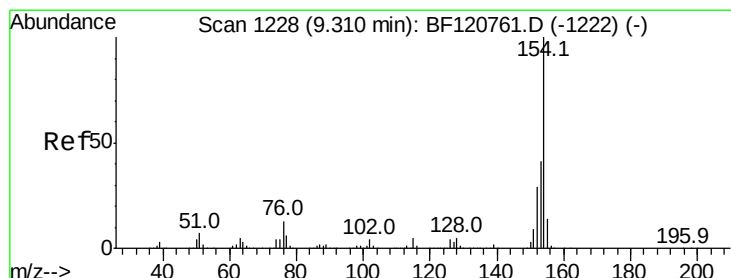
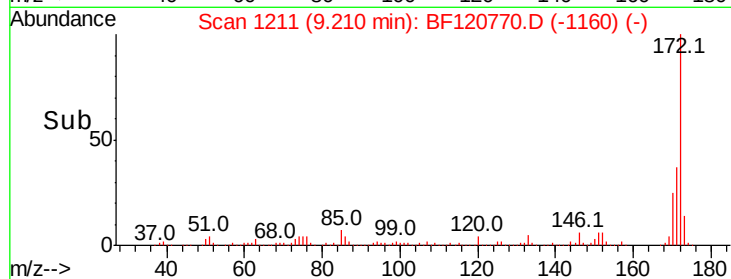
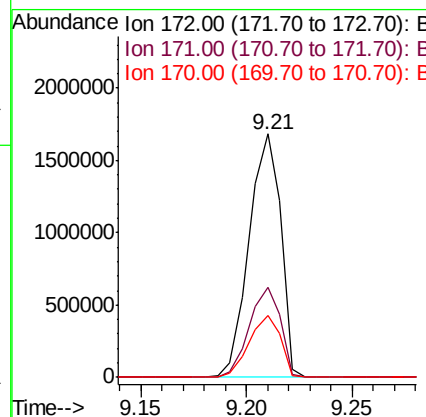
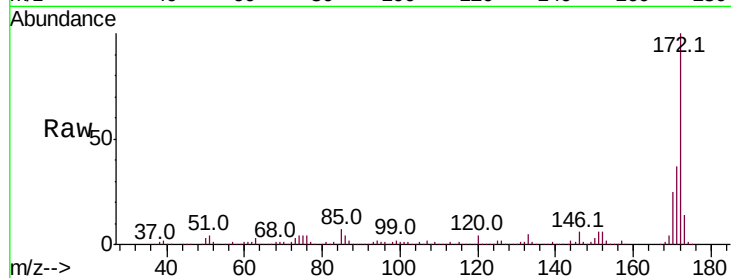
#45
2-Fluorobiphenyl
Concen: 104.062 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.1	43.7
170	25.2	19.8	29.6

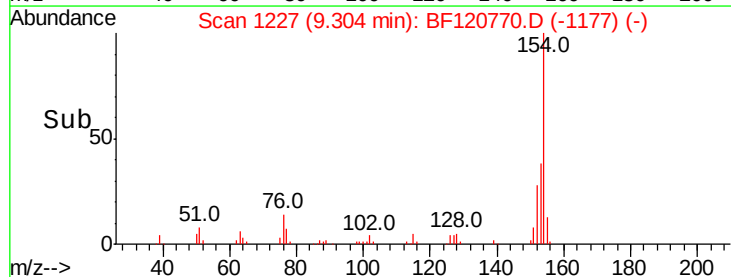
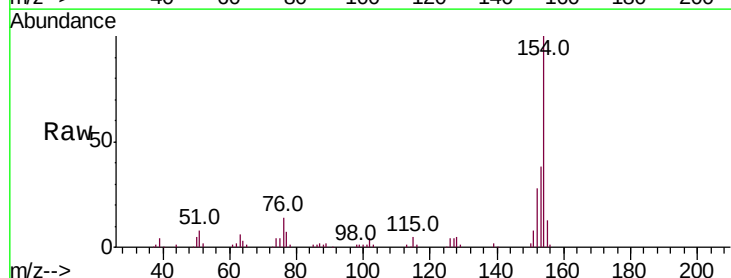
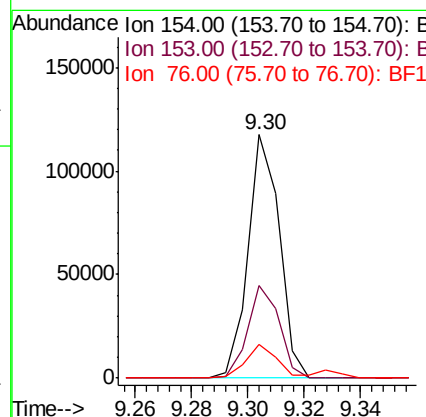
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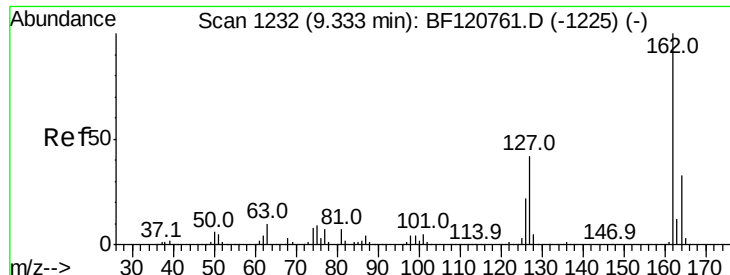
Sohil
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#46
1,1'-Biphenyl
Concen: 4.386 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.9	20.7	60.7
76	13.7	0.0	33.3





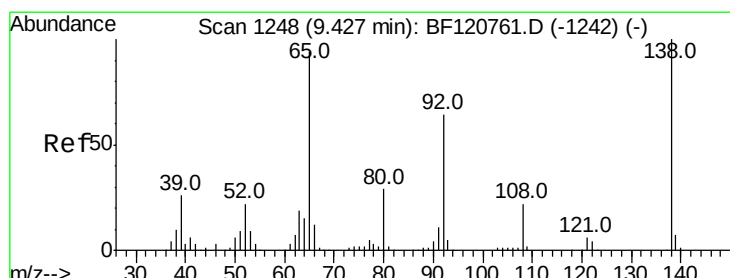
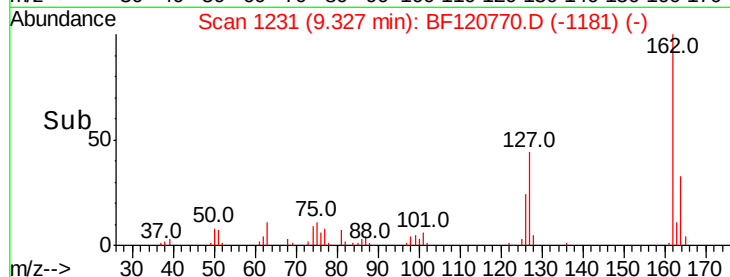
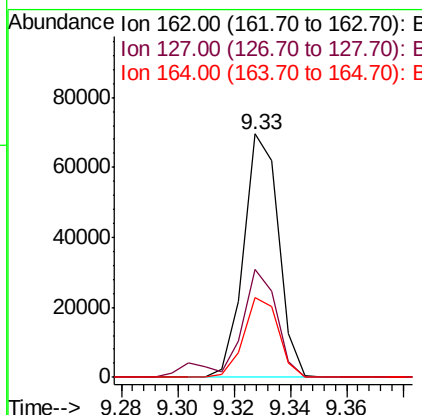
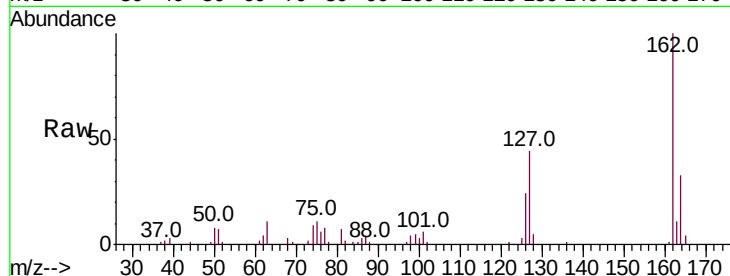
#47
 2-Chloronaphthalene
 Concen: 3.609 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	44.5	33.7	50.5
164	32.9	26.4	39.6

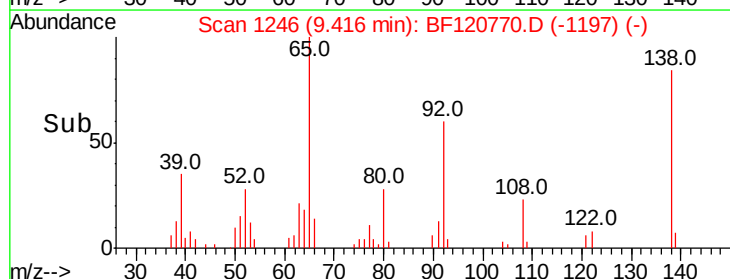
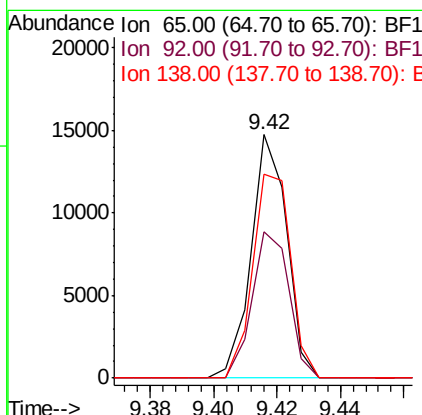
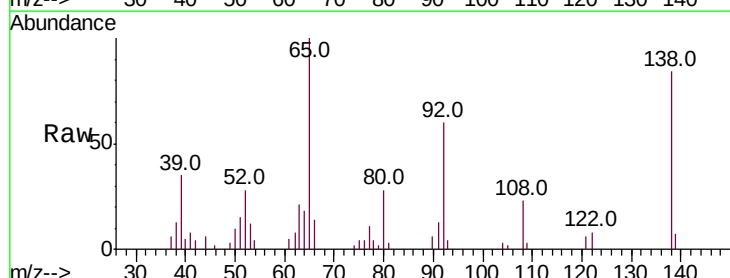
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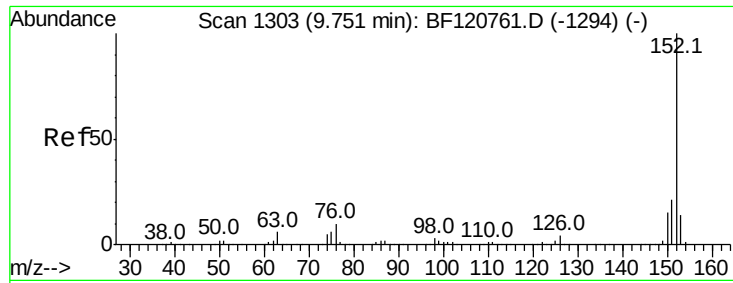
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#48
 2-Nitroaniline
 Concen: 2.603 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.9	54.4	81.6
138	83.6	84.7	127.1#





#49

Acenaphthylene

Concen: 3.652 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

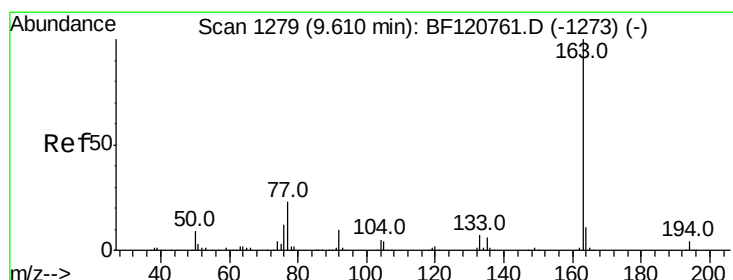
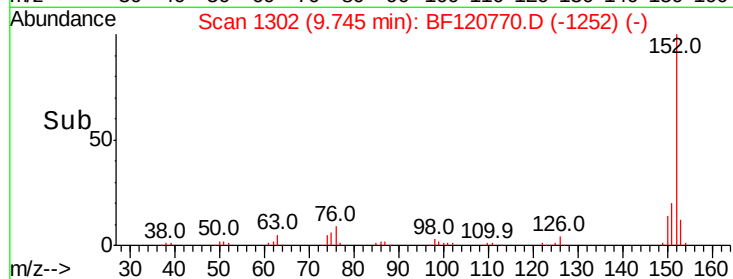
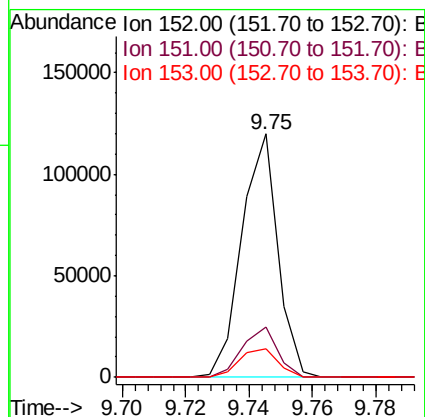
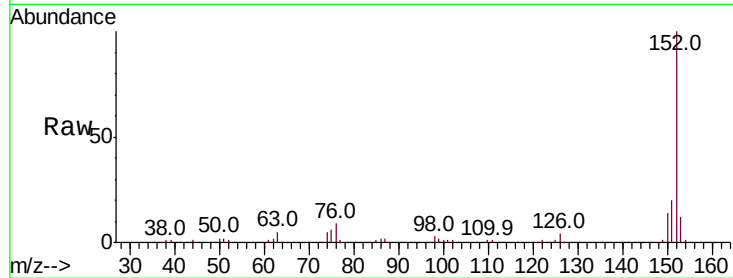
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:152	Resp:	94473
Ion Ratio	Lower	Upper
152	100	
151	20.4	16.9 25.3
153	12.0	10.8 16.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 3.596 ng

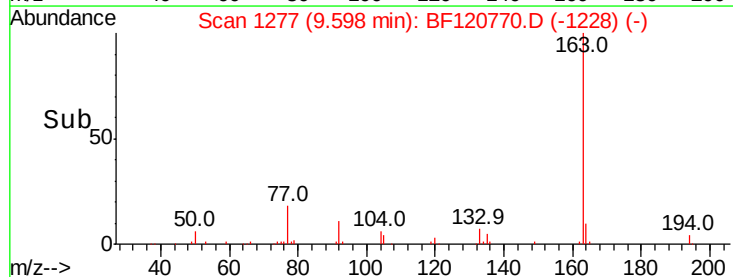
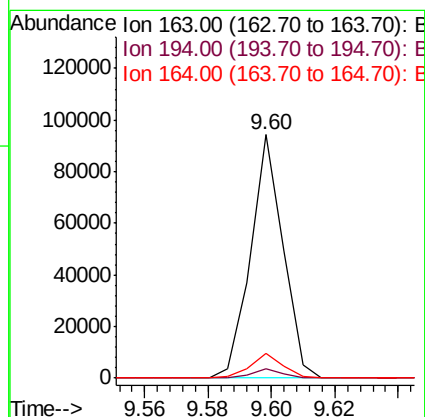
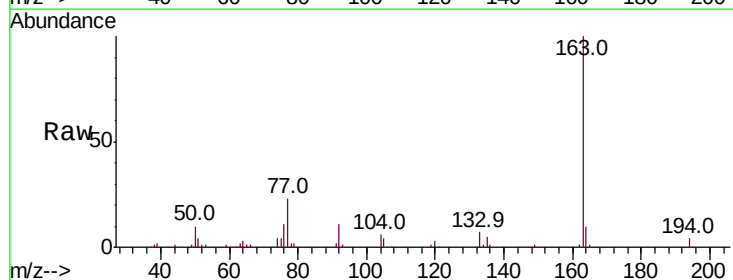
RT: 9.60 min Scan# 1277

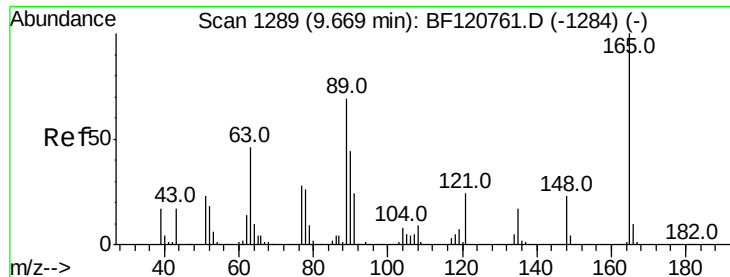
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:163	Resp:	66977
Ion Ratio	Lower	Upper
163	100	
194	3.7	2.9 4.3
164	10.4	8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 2.846 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

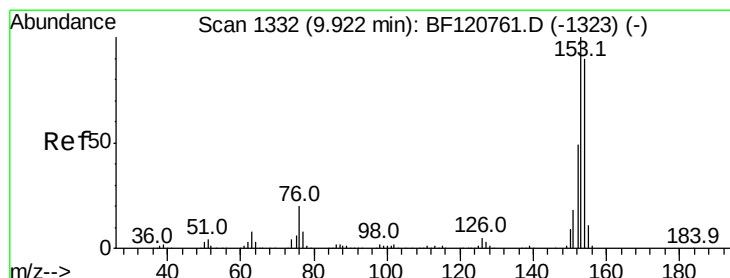
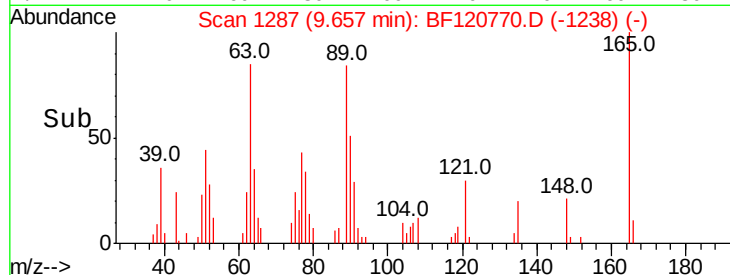
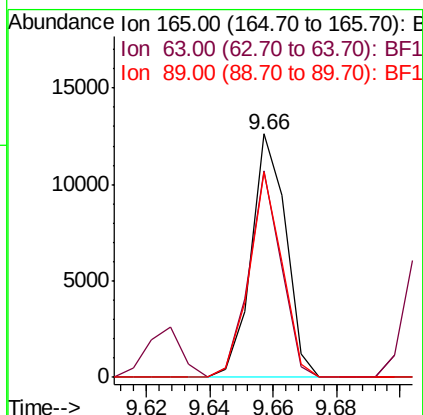
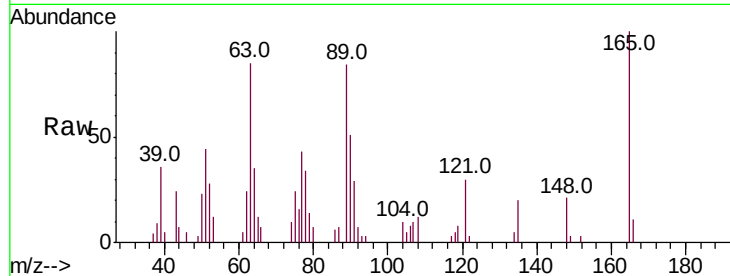
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	165	Resp:	9576
Ion Ratio	Lower	Upper	
165	100		
63	85.1	54.0	81.0#
89	84.3	55.4	83.2#

Manual Integrations
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#52

Acenaphthene

Concen: 3.629 ng

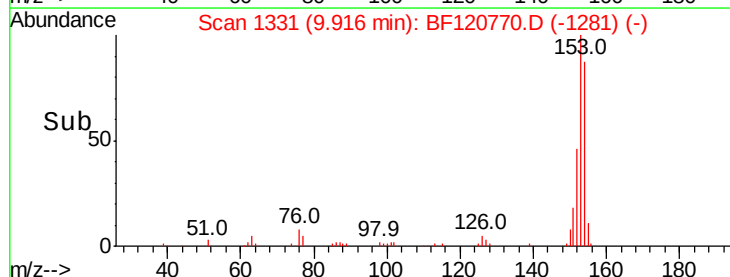
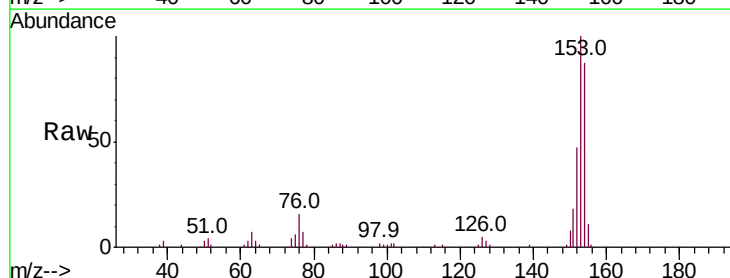
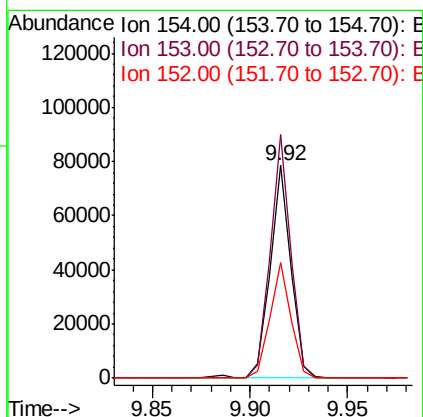
RT: 9.92 min Scan# 1331

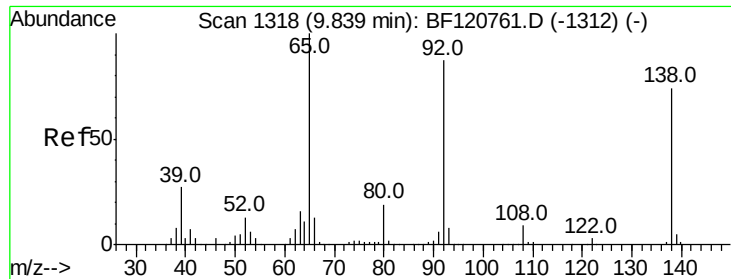
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	154	Resp:	58229
Ion Ratio	Lower	Upper	
154	100		
153	114.6	88.6	132.8
152	54.1	43.6	65.4





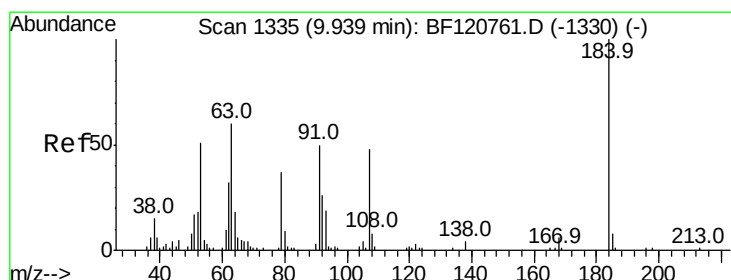
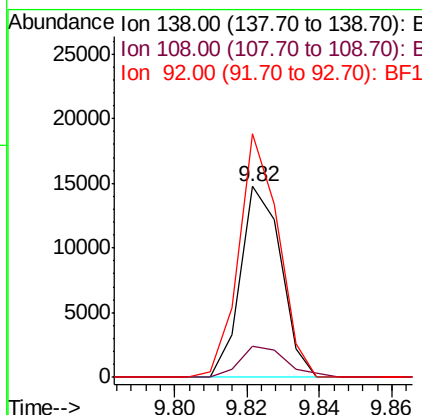
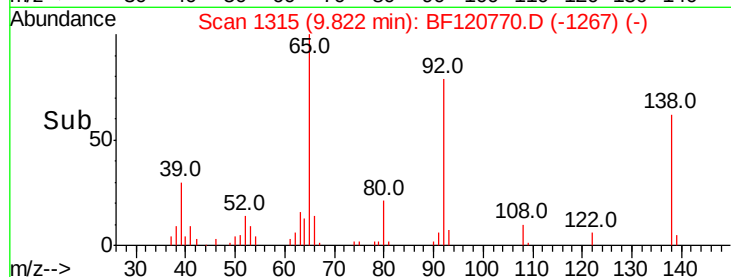
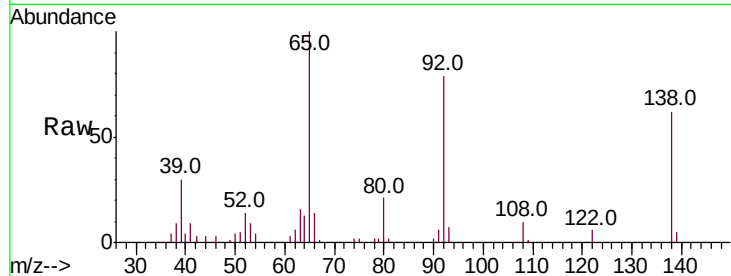
#53
3-Nitroaniline
Concen: 2.764 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:138 Resp: 11490
Ion Ratio Lower Upper
138 100
108 16.2 9.8 14.6#
92 127.5 93.4 140.2

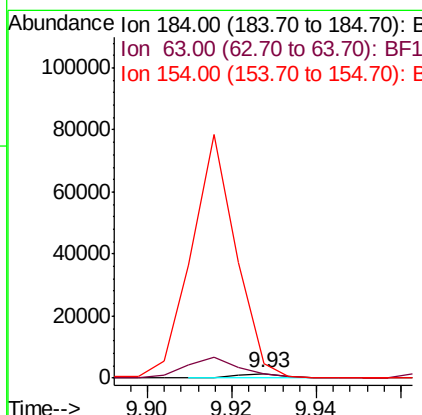
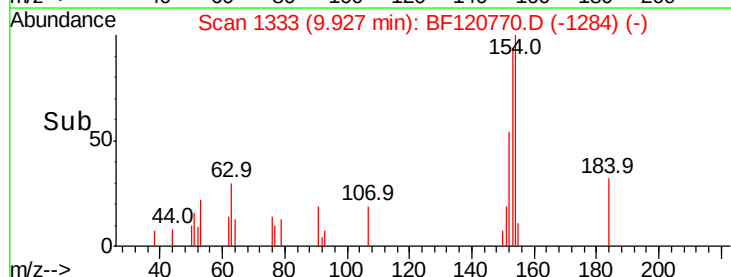
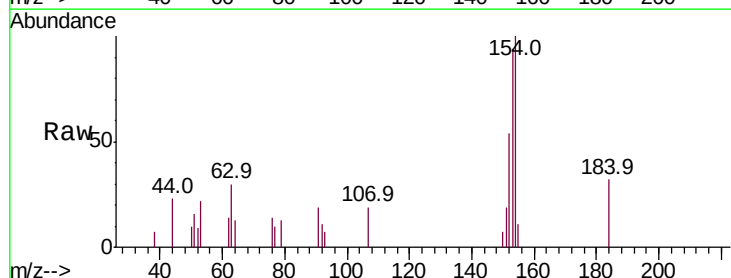
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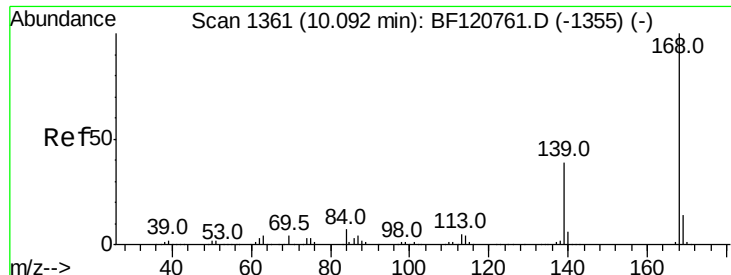
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#54
2,4-Dinitrophenol
Concen: 0.900 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion:184 Resp: 1000
Ion Ratio Lower Upper
184 100
63 93.2 57.3 85.9#
154 311.0 55.8 83.6#





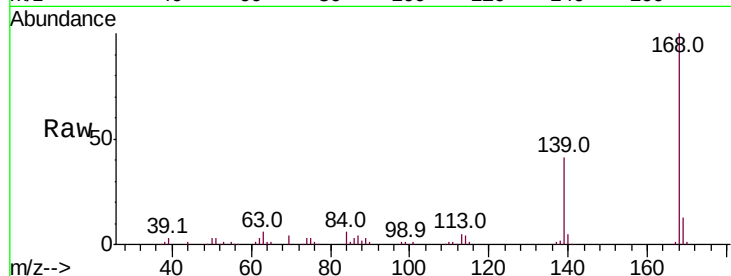
#55
Dibenzenofuran
Concen: 3.772 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.3	46.9
169	13.1	11.2	16.8

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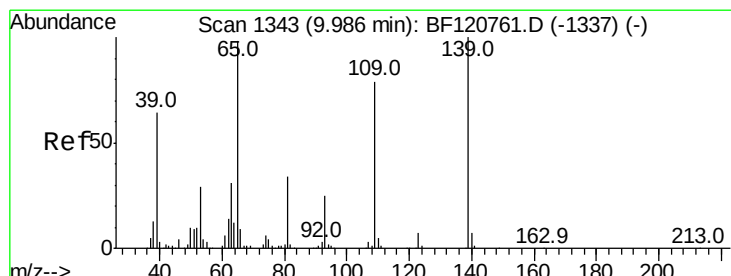
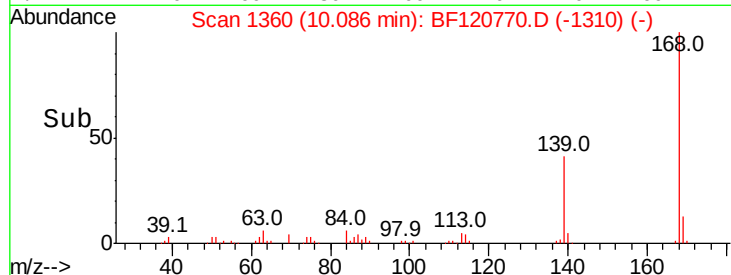
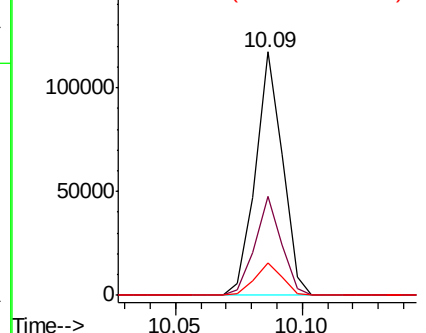


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 2.213 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

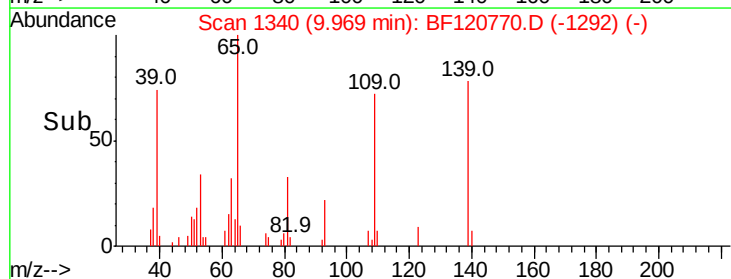
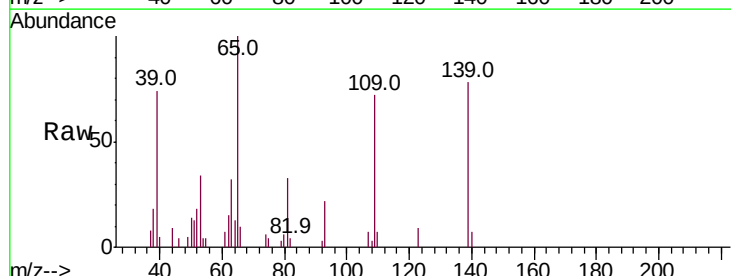
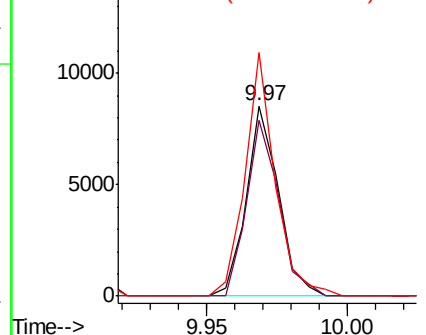
Tgt Ion	Ratio	Lower	Upper
139	100		
109	92.7	58.6	98.6
65	128.1	78.7	118.7#

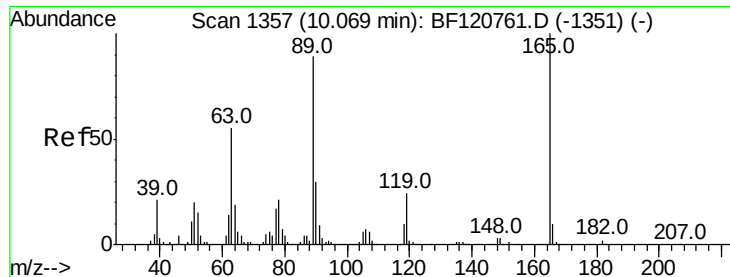
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 2.360 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

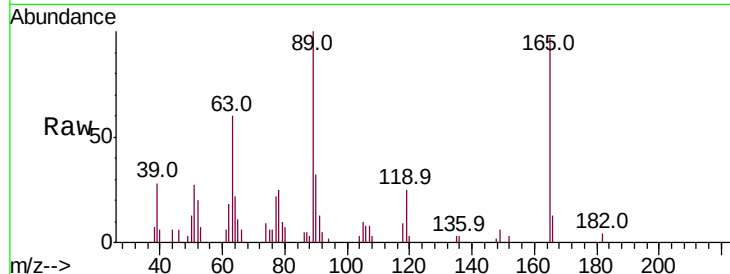
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

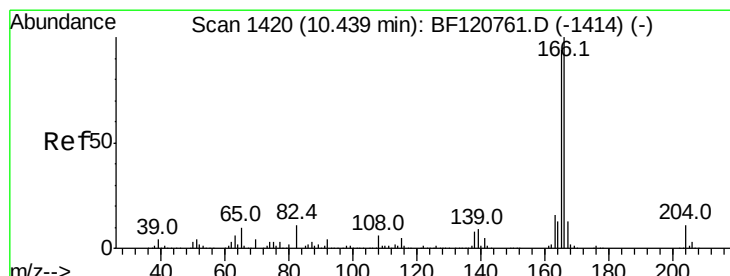
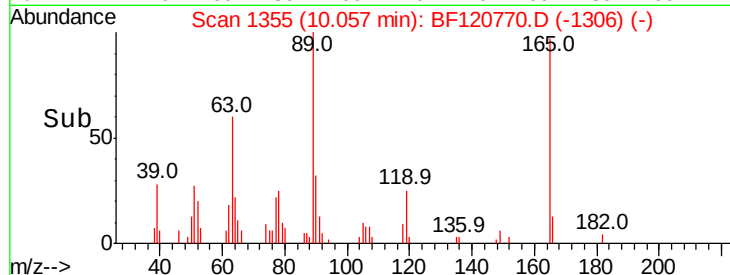
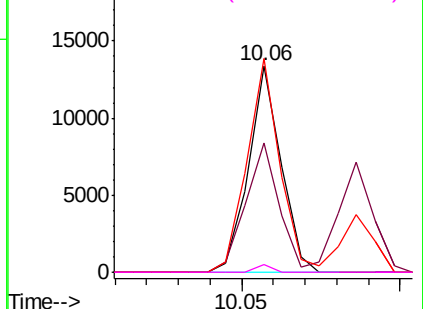
Tot Ion:	165	Resp:	9532
Ion Ratio	Lower	Upper	
165	100		
63	62.3	43.8	65.8
89	103.3	71.4	107.2
182	3.7	1.8	2.6#

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 3.825 ng

RT: 10.43 min Scan# 1418

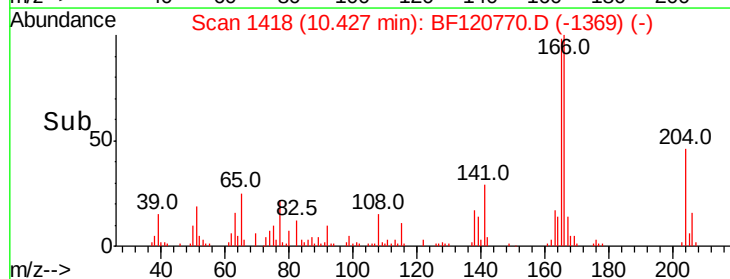
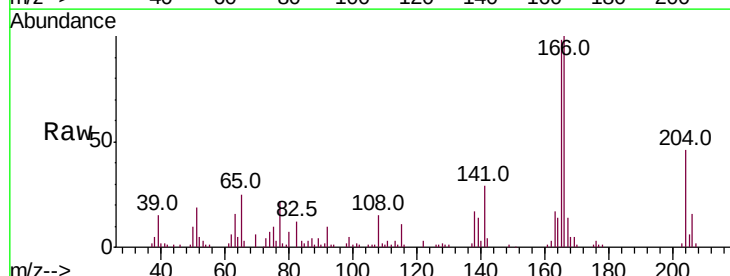
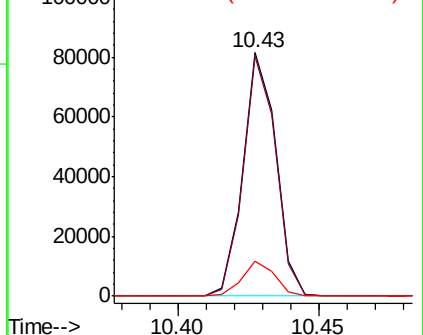
Delta R.T. -0.01 min

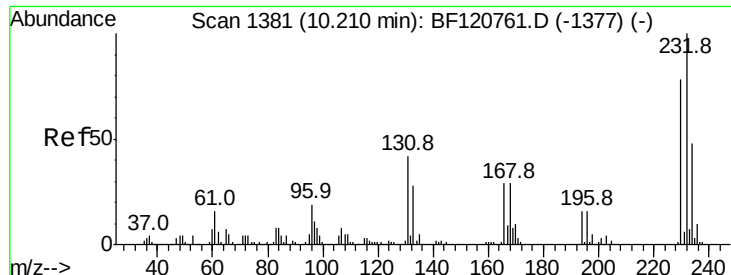
Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	166	Resp:	65858
Ion Ratio	Lower	Upper	
166	100		
165	98.2	75.5	113.3
167	14.1	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





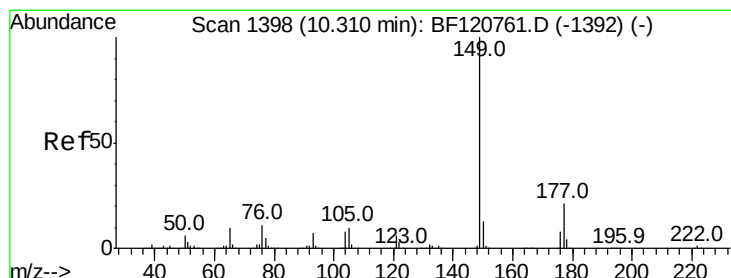
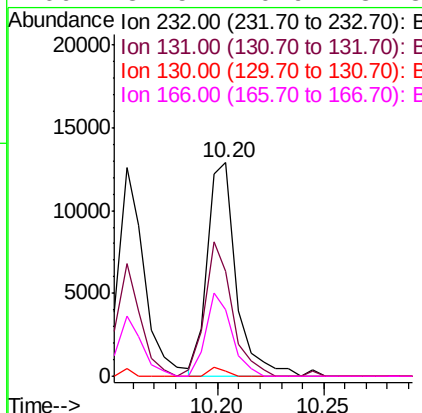
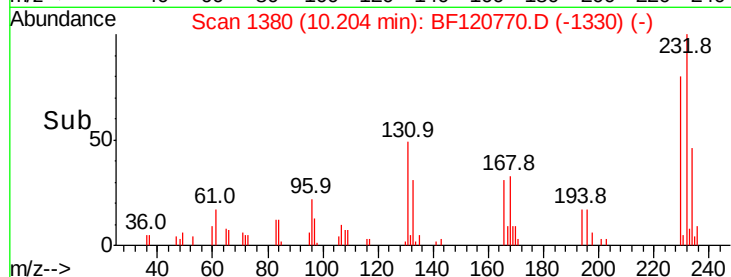
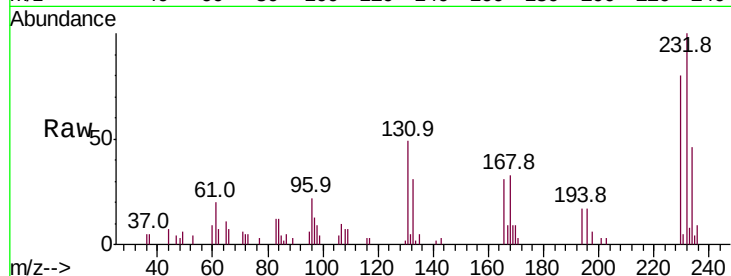
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.877 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	58.7	36.3	54.5#
130	2.5	2.0	3.0
166	34.5	20.9	31.3#

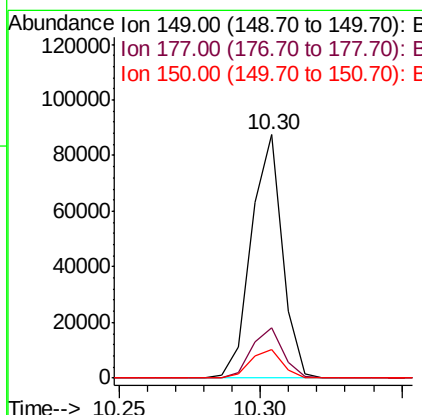
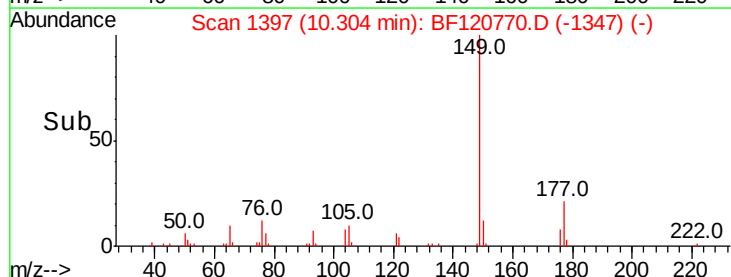
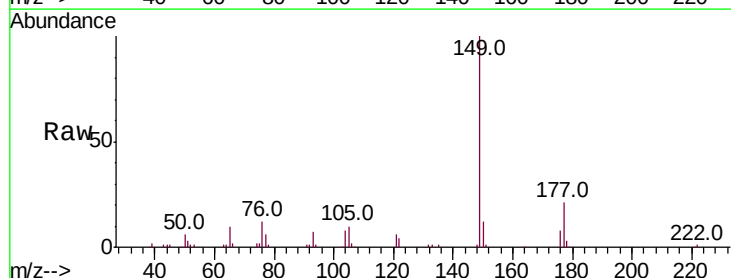
Manual Integrations
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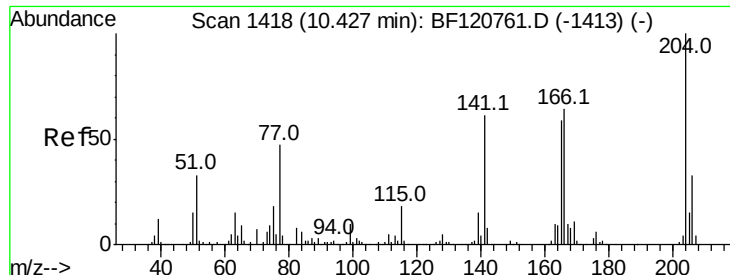
Sohil
 7/7/2020 8:20:48 AM



#60
 Diethylphthalate
 Concen: 3.427 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.4	24.6
150	11.9	10.2	15.4





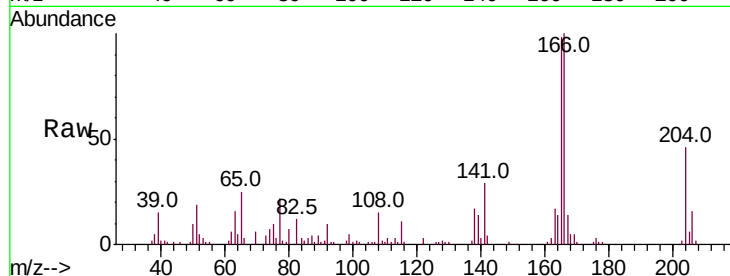
#61
 4-Chlorophenyl-phenylether
 Concen: 3.614 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.0	26.7	40.1
141	62.7	48.5	72.7

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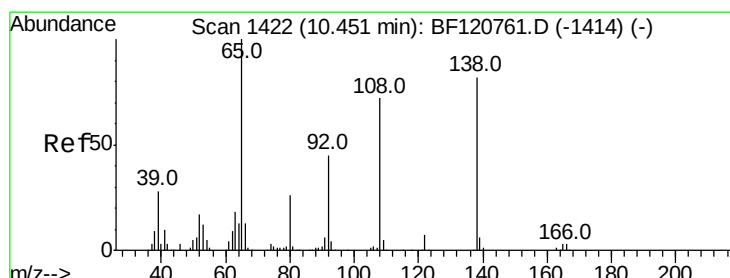
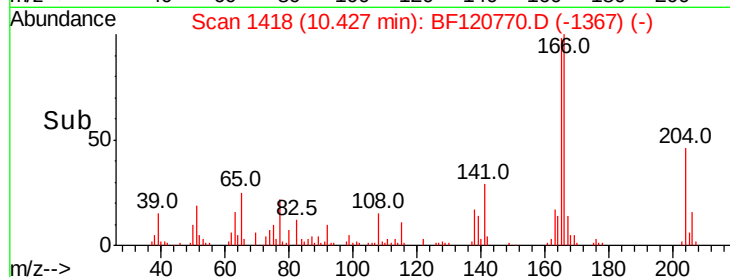
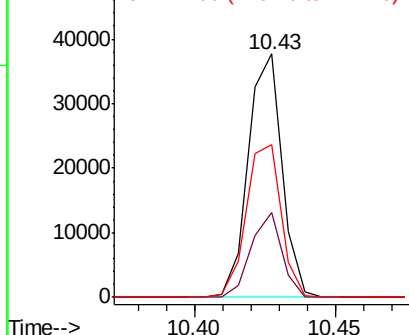


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
 4-Nitroaniline
 Concen: 2.768 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

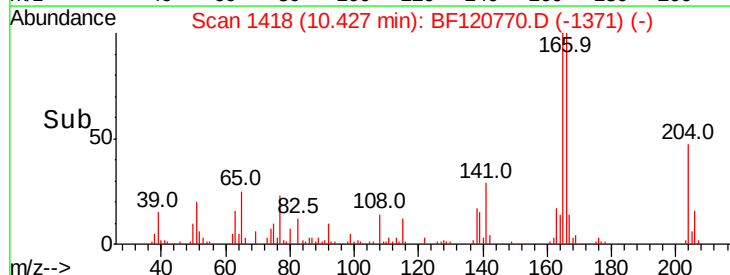
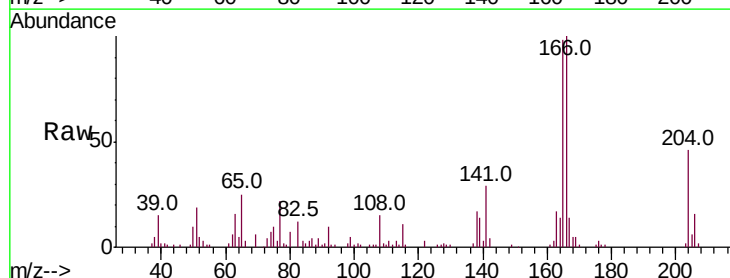
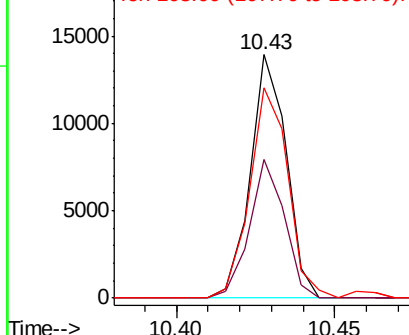
Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.1	34.3	74.3
108	86.2	68.3	108.3

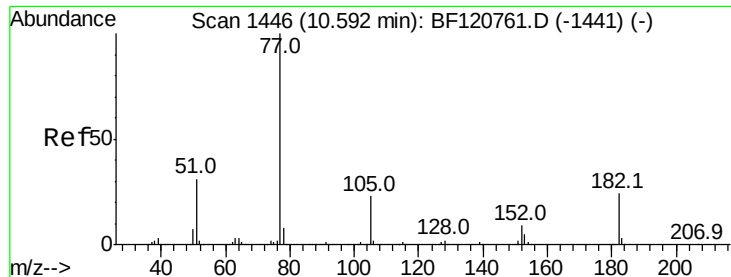
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





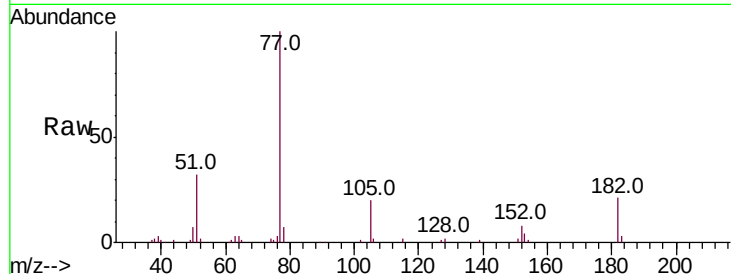
#63
Azobenzene
Concen: 3.766 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

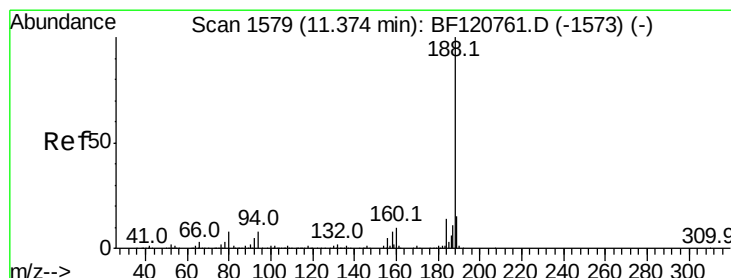
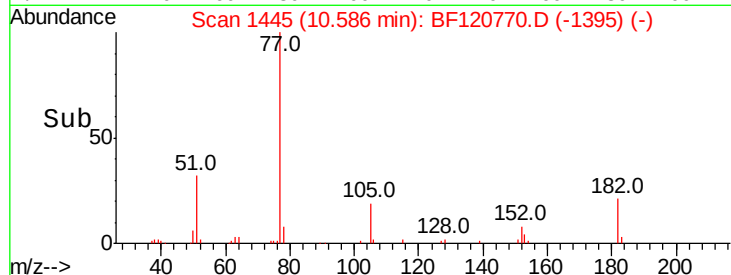
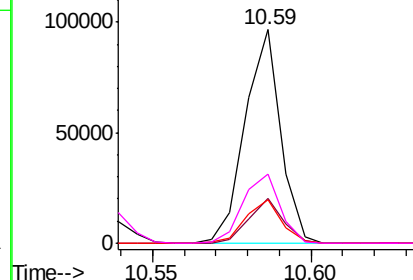
Tot Ion	Ratio	Lower	Upper
77	100		
182	20.8	4.0	44.0
105	20.4	2.6	42.6
51	32.5	11.5	51.5

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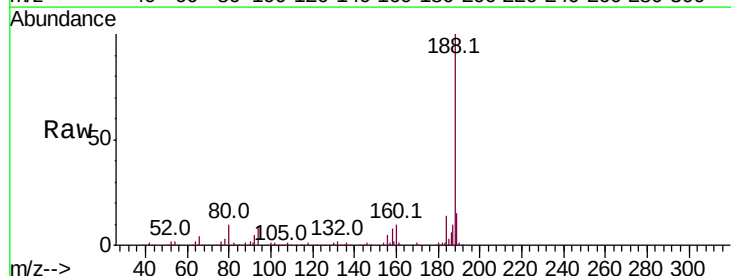


Abundance Ion 77.00 (76.70 to 77.70): BF1
150000 Ion 182.00 (181.70 to 182.70): E
100000 Ion 105.00 (104.70 to 105.70): E
50000 Ion 51.00 (50.70 to 51.70): BF1

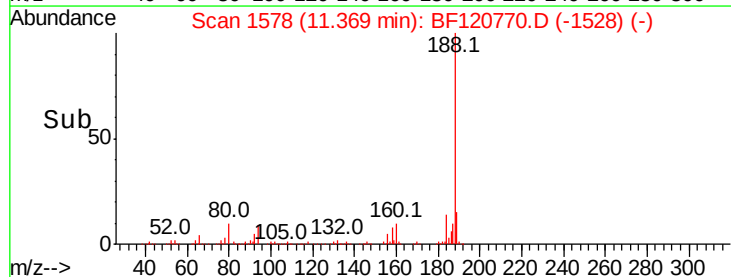
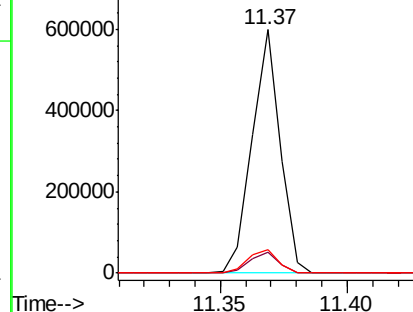


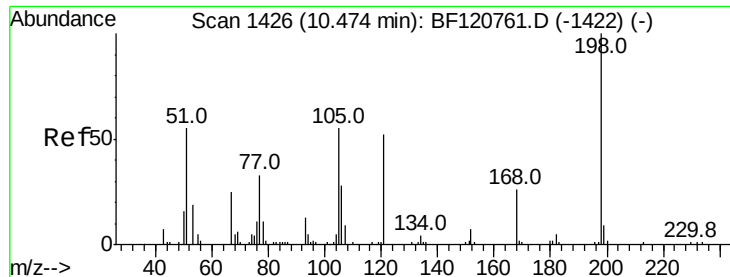
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.6	9.8
80	9.6	6.6	10.0



Abundance Ion 188.00 (187.70 to 188.70): E
800000 Ion 94.00 (93.70 to 94.70): BF1
600000 Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 1.307 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:198 Resp: 1950

Ion Ratio Lower Upper

198 100

51 75.7 50.0 90.0

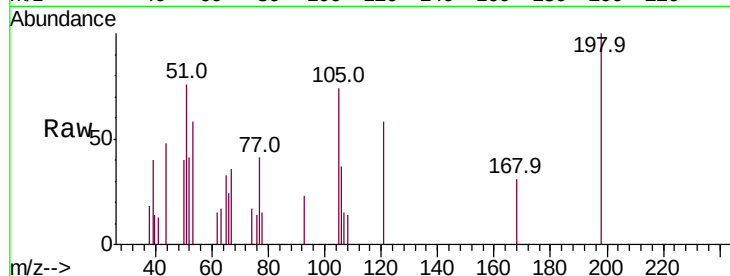
105 74.4 38.3 78.3

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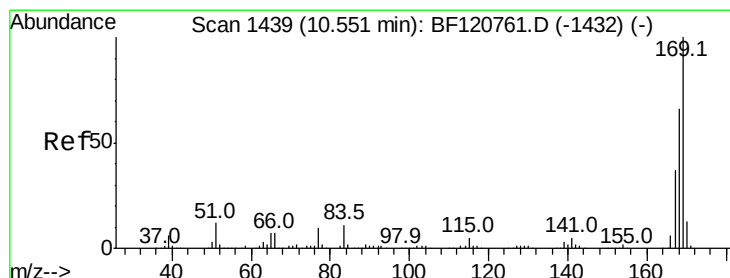
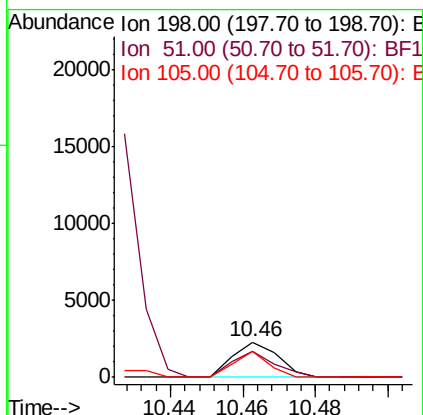
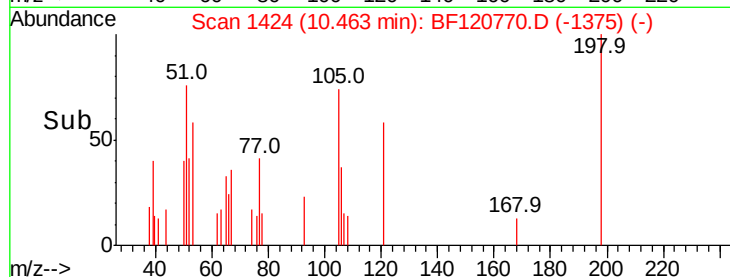
7/7/2020 8:20:48 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 3.474 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

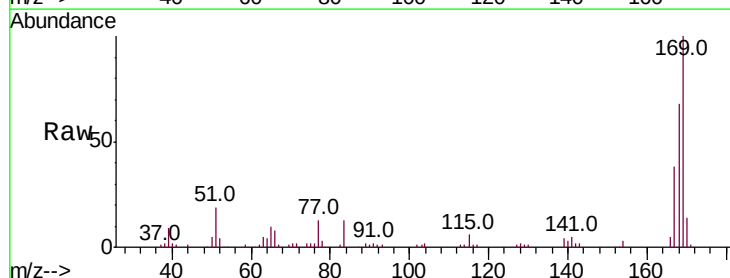
Tgt Ion:169 Resp: 54059

Ion Ratio Lower Upper

169 100

168 67.9 53.1 79.7

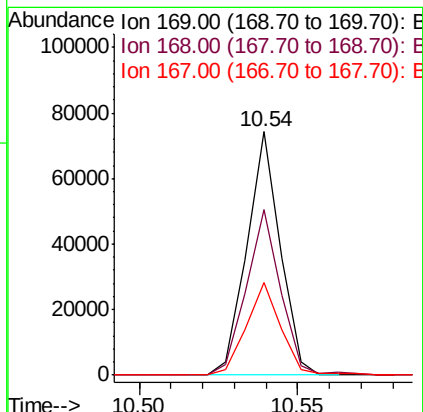
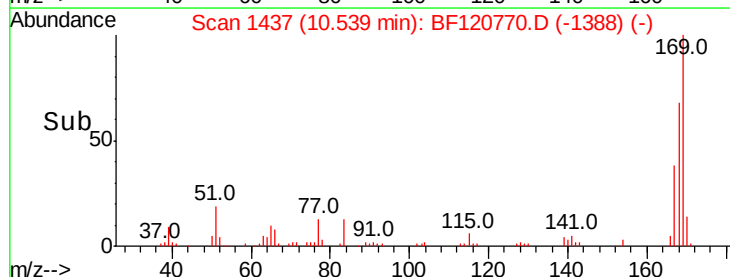
167 38.2 29.6 44.4

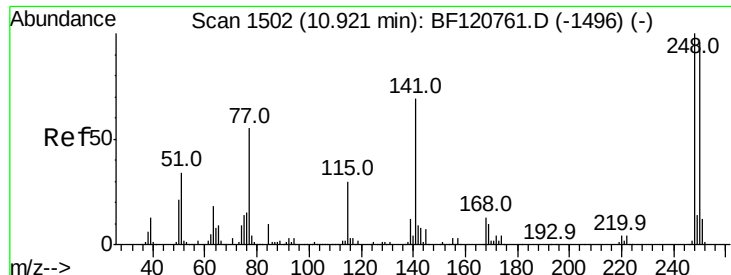


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





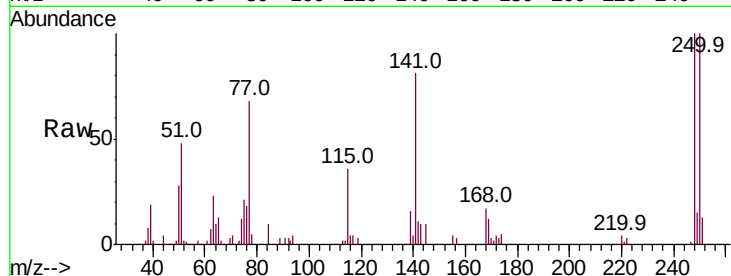
#67
4-Bromophenyl-phenylether
Concen: 3.092 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.5	76.5	114.7
141	80.8	54.9	82.3

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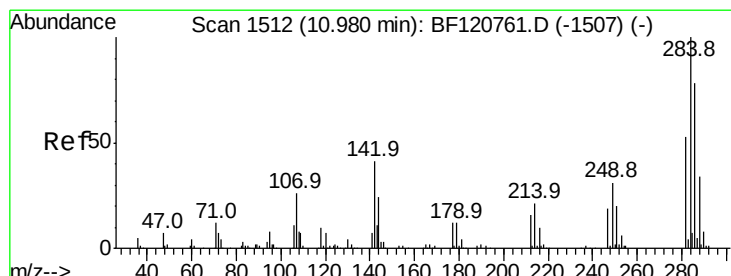
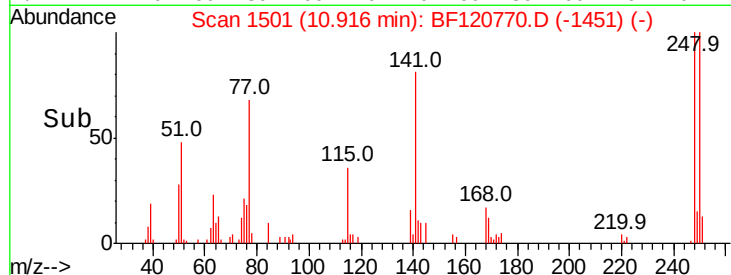
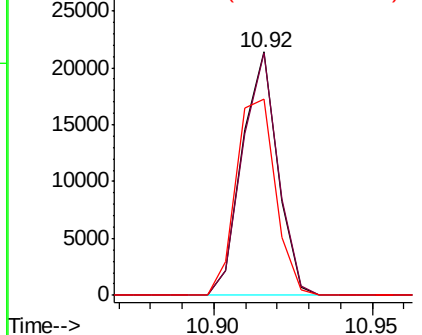


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 3.185 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

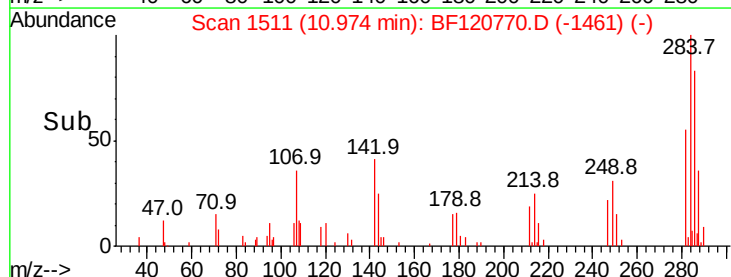
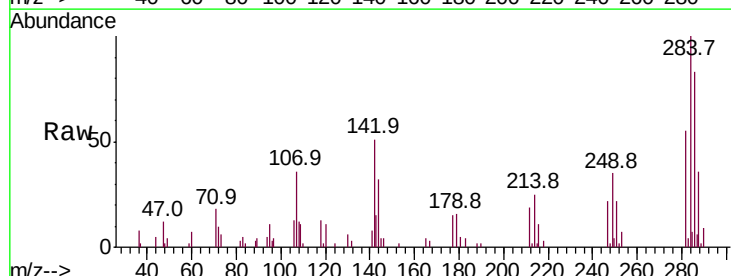
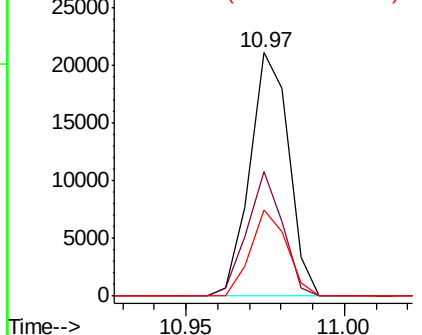
Tgt Ion	Ratio	Lower	Upper
284	100		
142	51.0	32.5	48.7#
249	38.9	24.8	37.2#

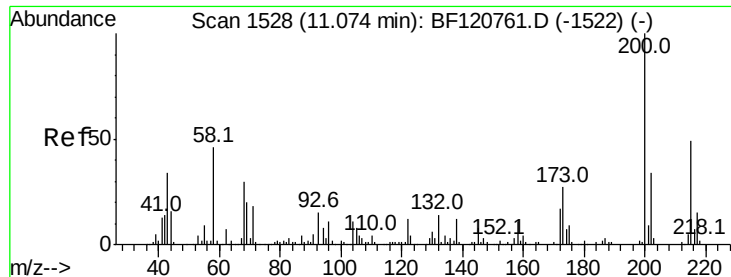
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





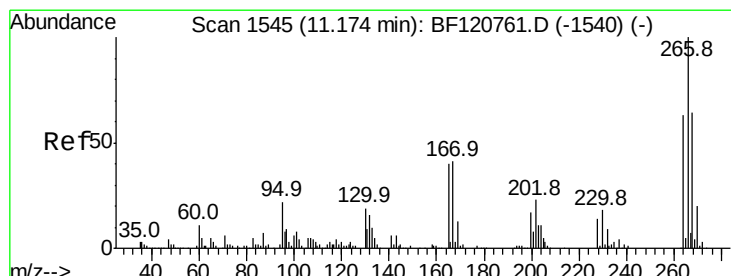
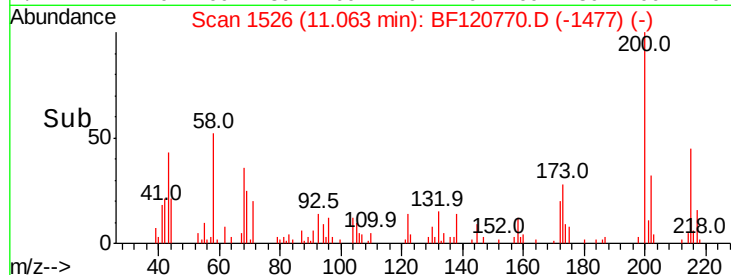
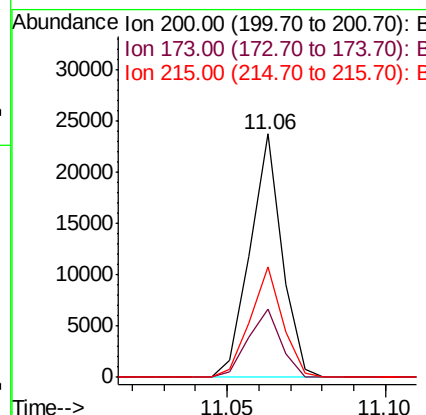
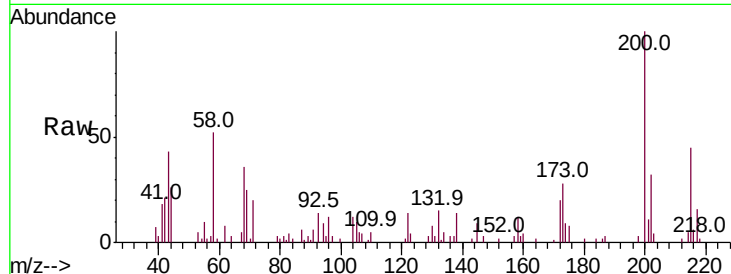
#69
Atrazine
Concen: 4.128 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.4	47.4
215	45.2	28.8	68.8

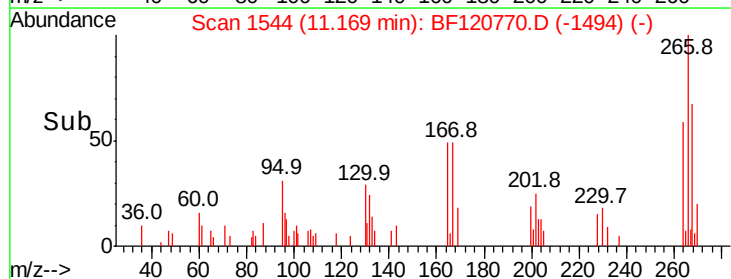
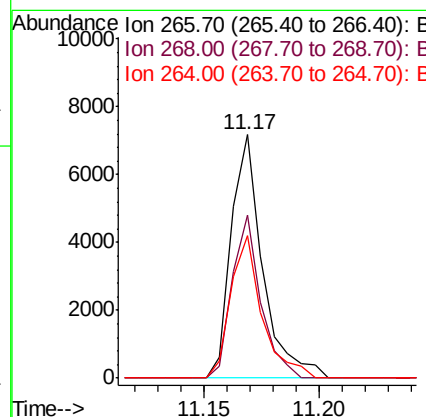
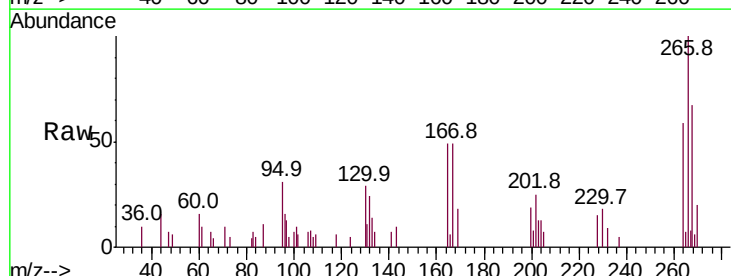
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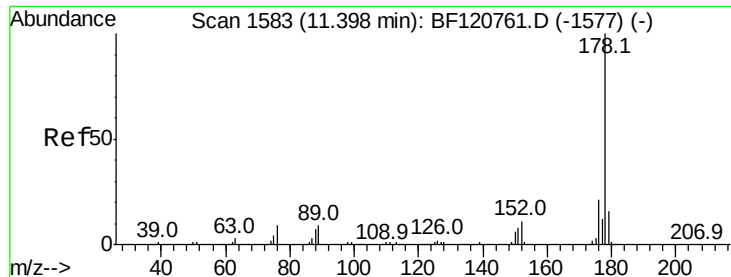
Sohil
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#70
Pentachlorophenol
Concen: 2.120 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	72.4	51.4	77.2
264	65.2	50.6	75.8





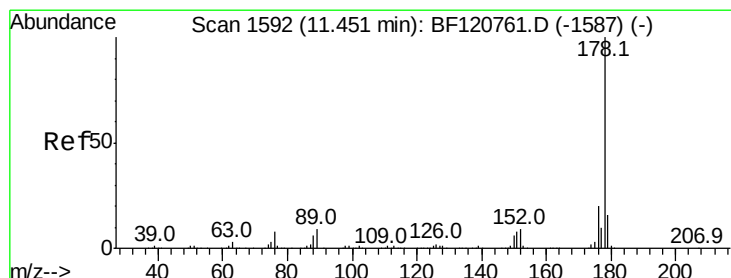
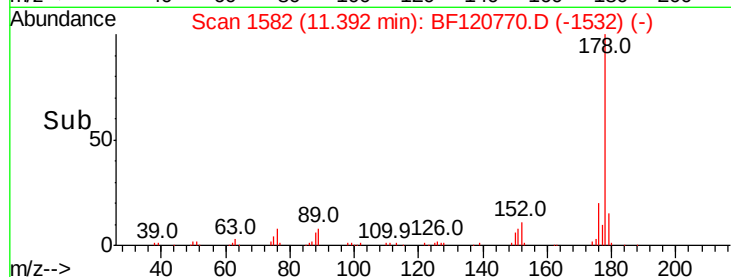
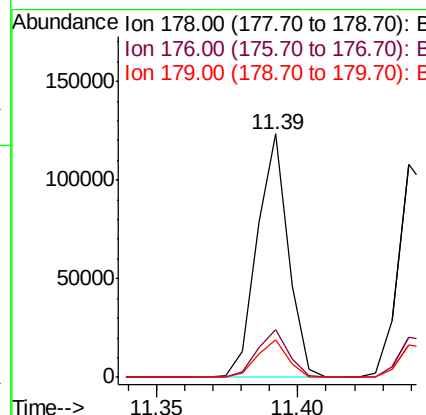
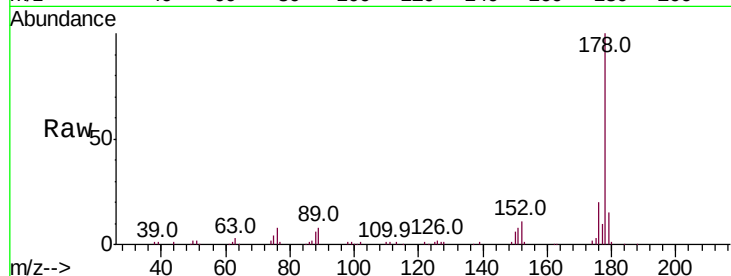
#71
Phenanthrene
Concen: 3.733 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.4	24.6
179	15.3	12.9	19.3

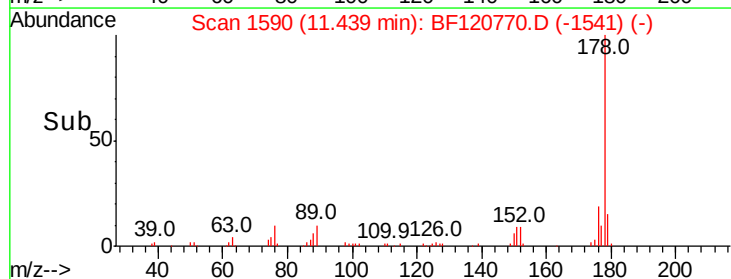
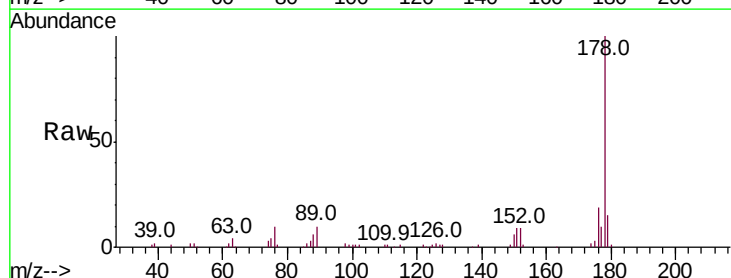
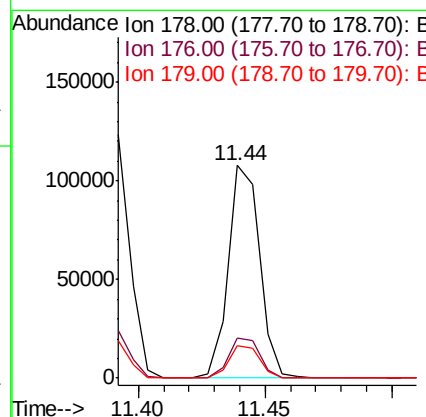
Manual Integrations
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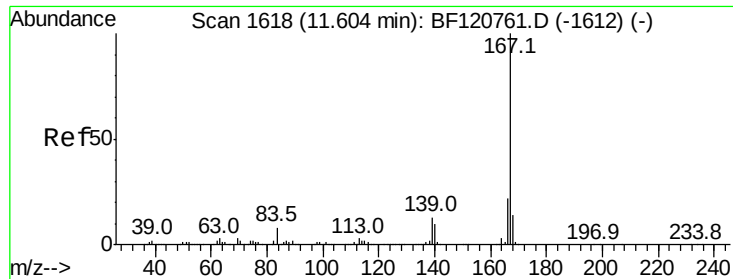
Sohil
7/7/2020 8:20:48 AM



#72
Anthracene
Concen: 3.641 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.2
179	15.3	12.7	19.1





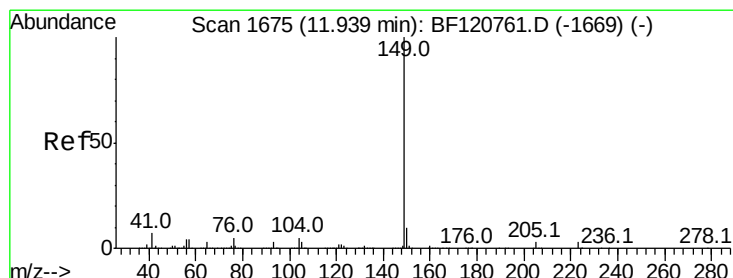
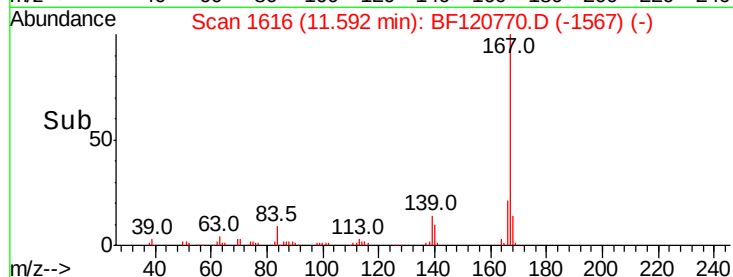
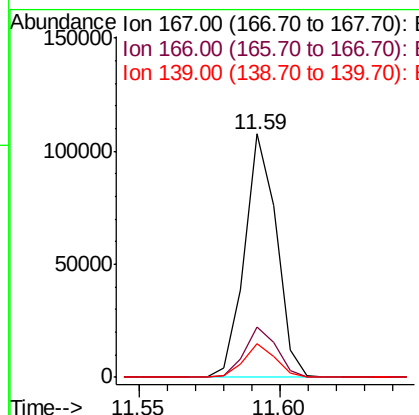
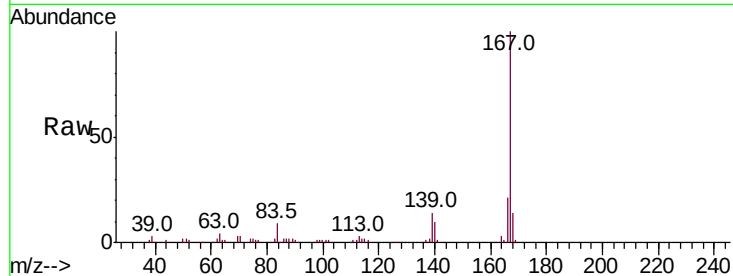
#73
 Carbazole
 Concen: 3.454 ng
 RT: 11.59 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.8	26.8
139	13.7	10.7	16.1

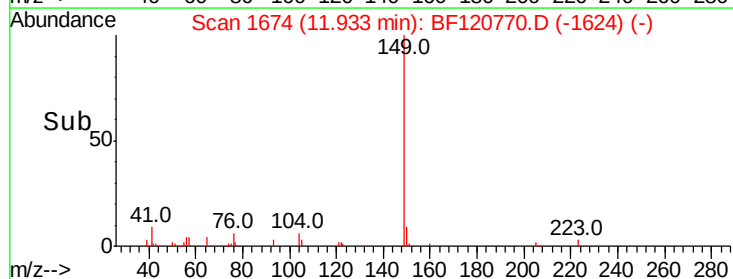
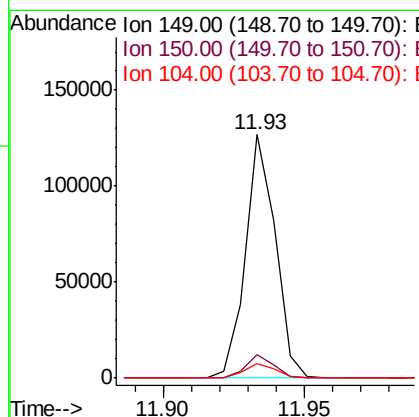
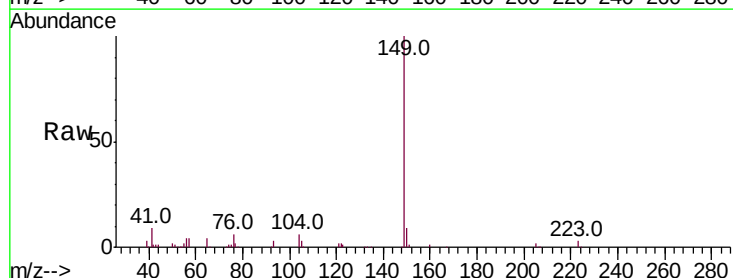
Manual Integrations
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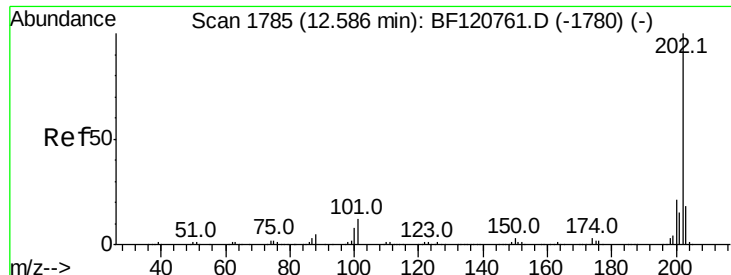
Sohil
 7/7/2020 8:20:48 AM



#74
 Di-n-butylphthalate
 Concen: 3.069 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.7	4.0	6.0





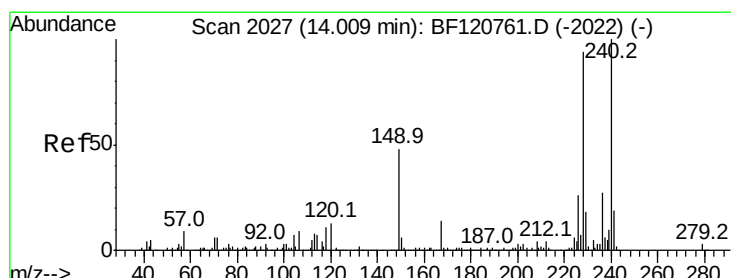
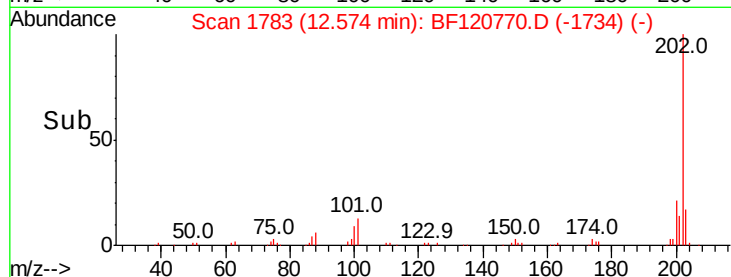
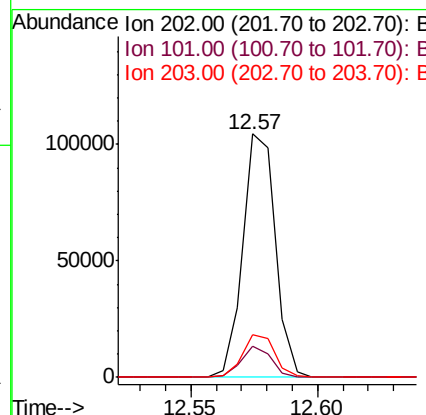
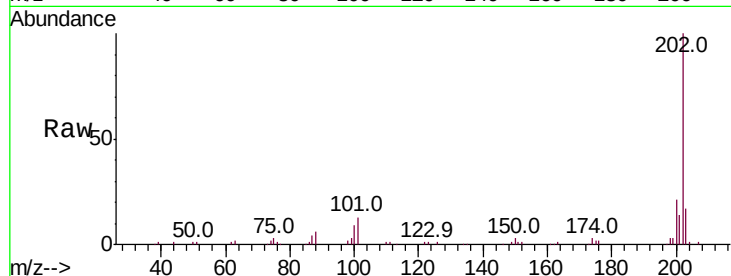
#75
Fluoranthene
Concen: 3.457 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	31.6
203	17.4	0.0	38.2

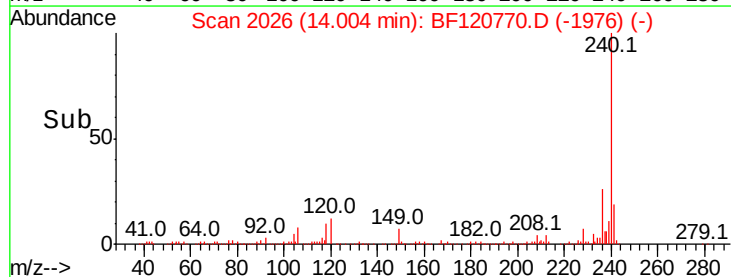
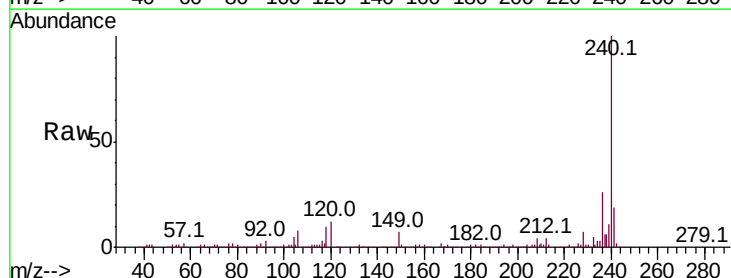
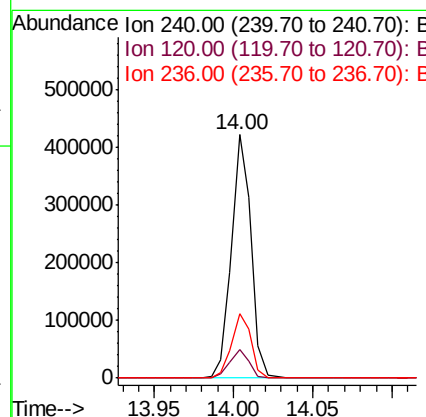
Manual Integrations
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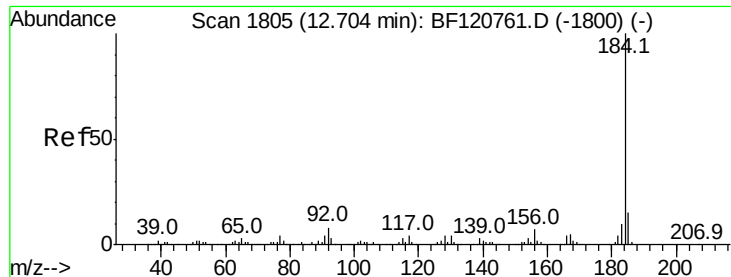
Sohil
7/7/2020 8:20:48 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	10.3	15.5
236	26.3	21.4	32.2





#77

Benzidine

Concen: 3.791 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

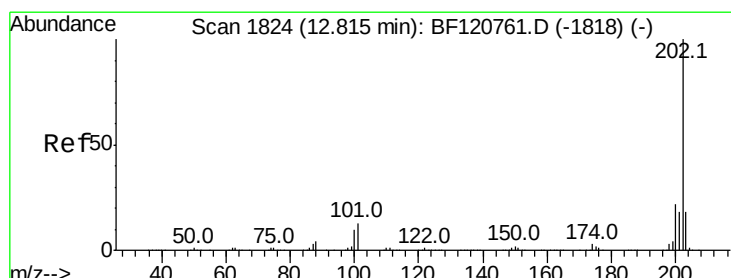
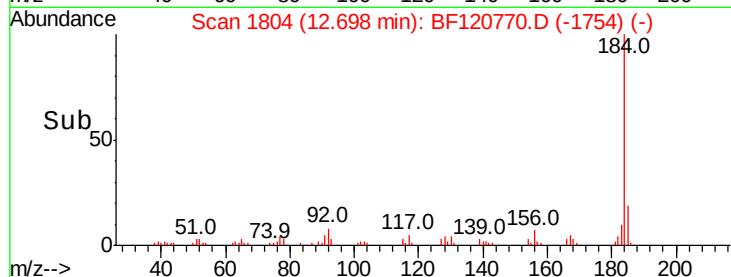
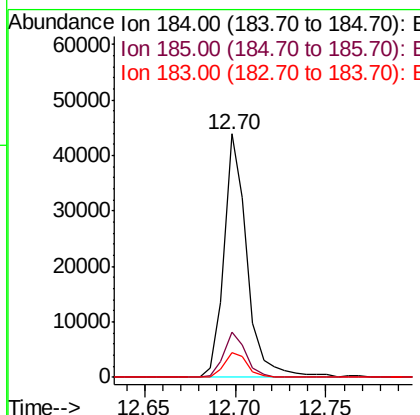
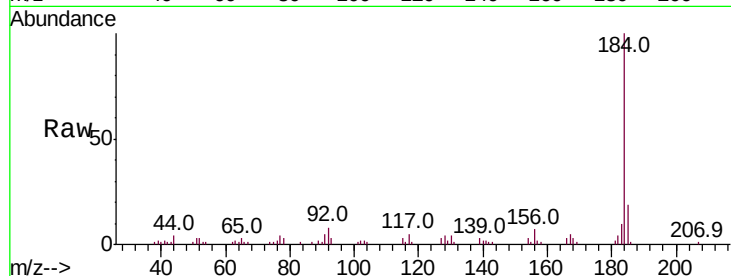
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	184	Resp:	38657
Ion Ratio	Lower	Upper	
184	100		
185	18.6	11.8	17.8#
183	10.0	8.3	12.5

Manual Integrations
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#78

Pyrene

Concen: 3.388 ng

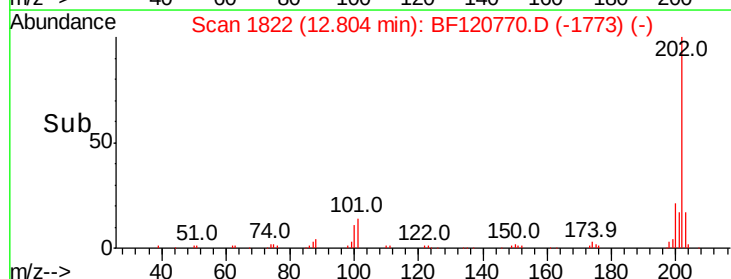
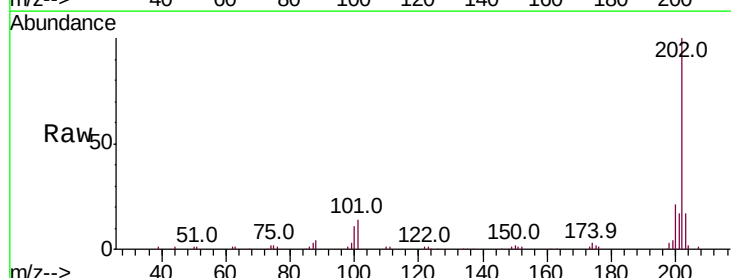
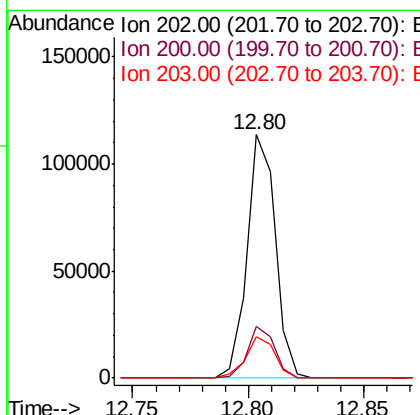
RT: 12.80 min Scan# 1822

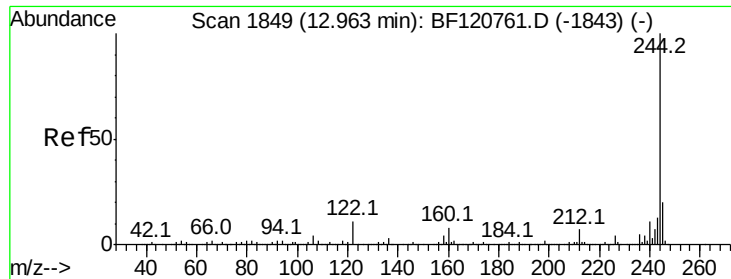
Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Tgt Ion:	202	Resp:	97758
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.3	25.9
203	17.2	14.6	22.0





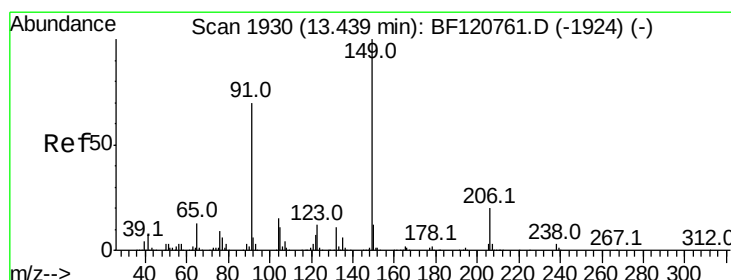
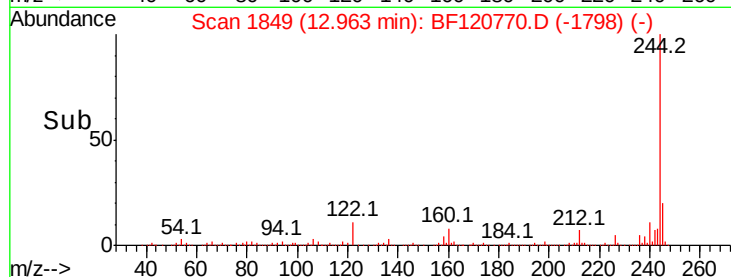
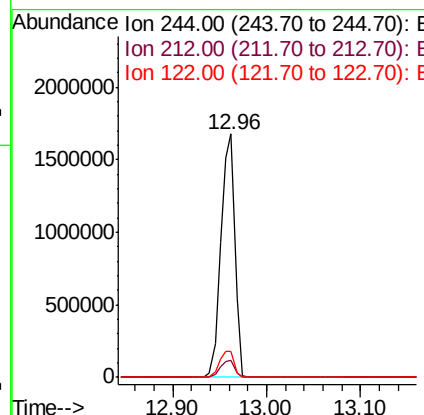
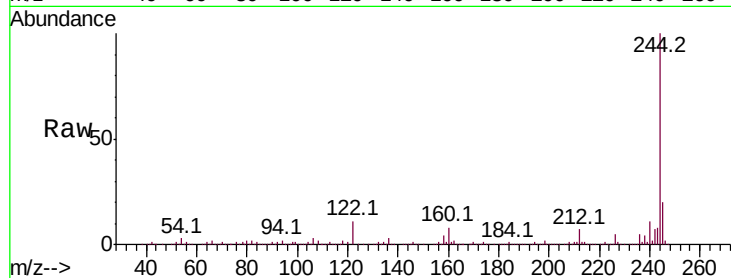
#79
 Terphenyl-d14
 Concen: 94.681 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.8	9.0	13.4

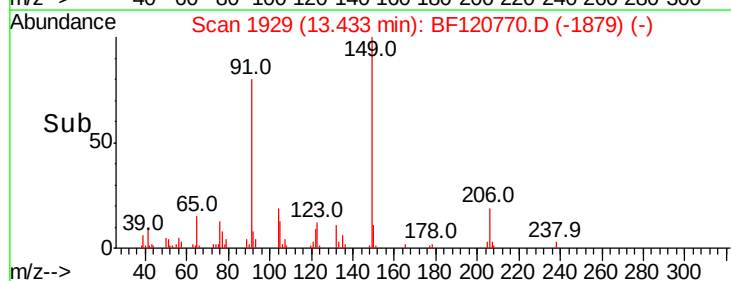
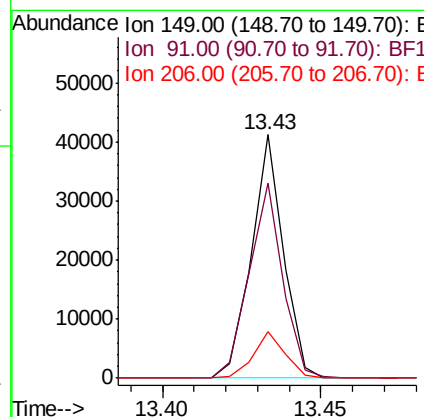
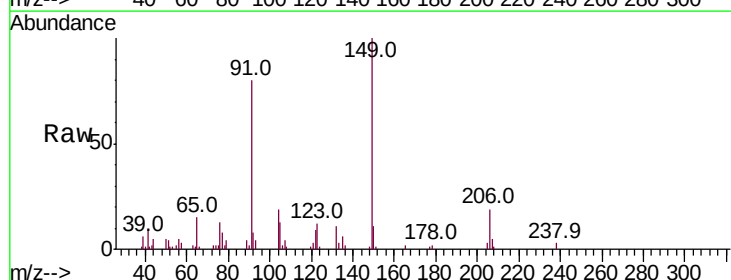
Manual Integrations
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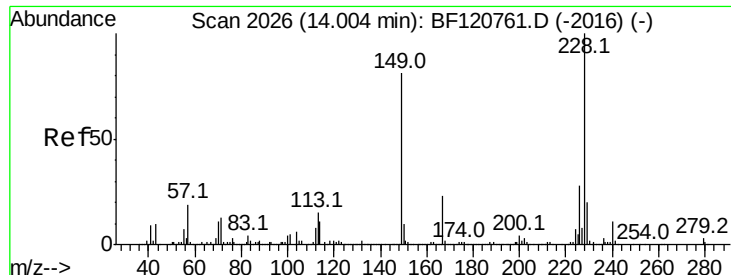
Sohil
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#80
 Butylbenzylphthalate
 Concen: 2.314 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.9	55.8	83.8
206	18.9	15.7	23.5





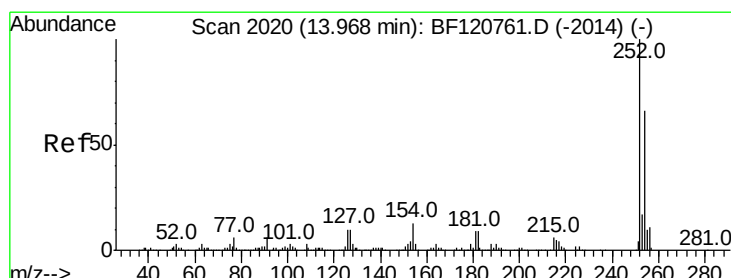
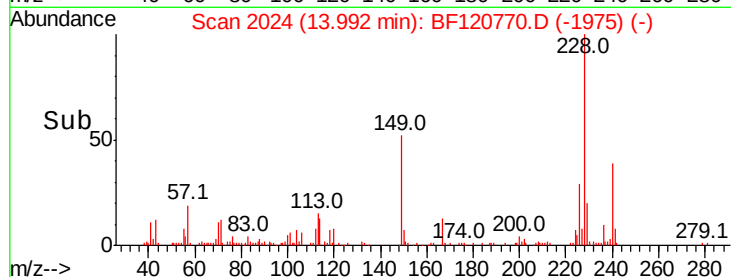
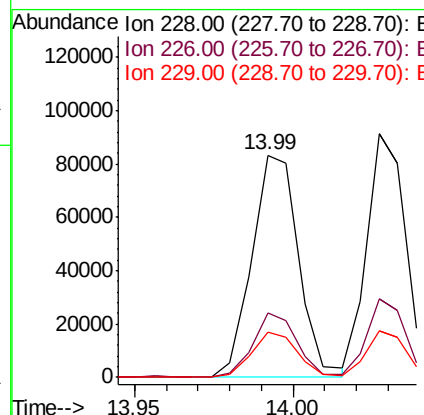
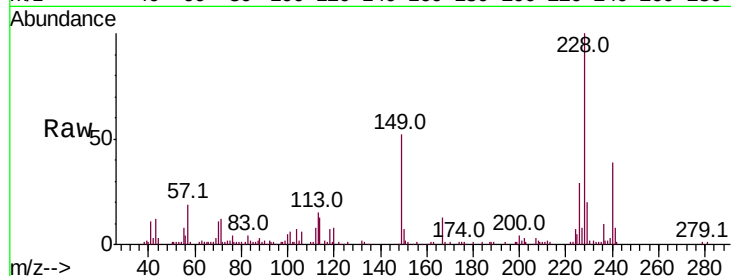
#81
Benzo(a)anthracene
Concen: 3.685 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.1	15.8	23.6

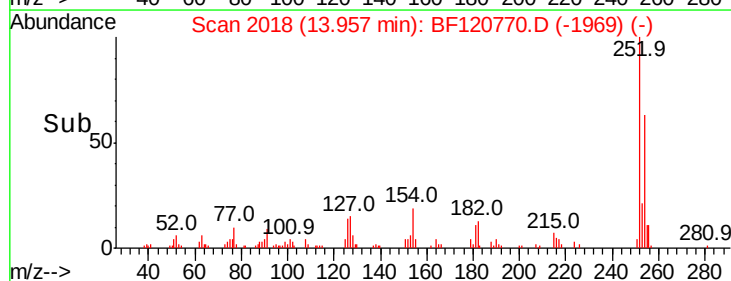
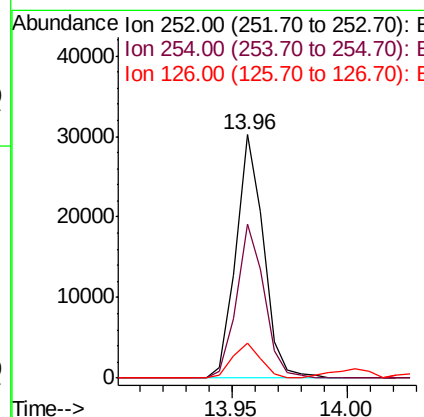
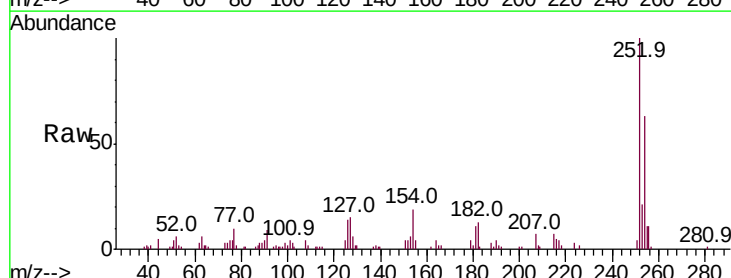
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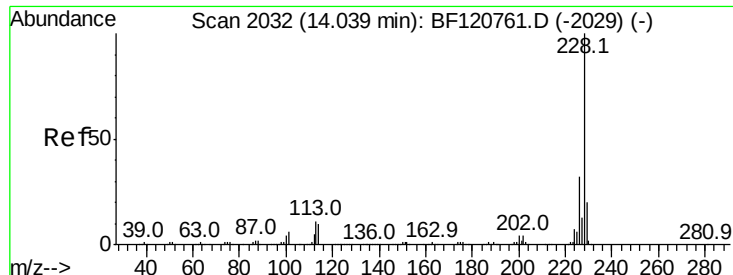
Sohil
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#82
3,3'-Dichlorobenzidine
Concen: 3.228 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	52.6	78.8
126	14.3	7.8	11.8#





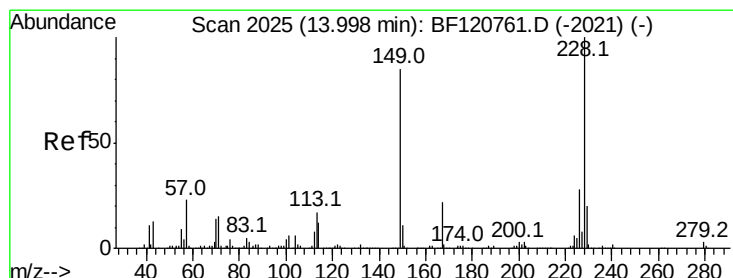
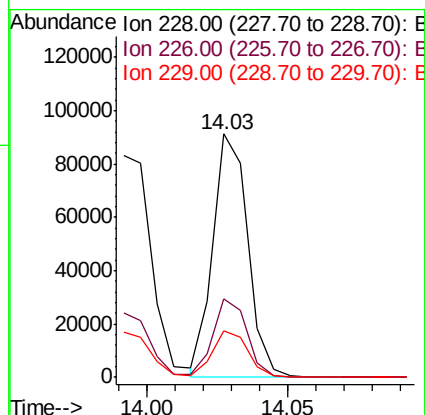
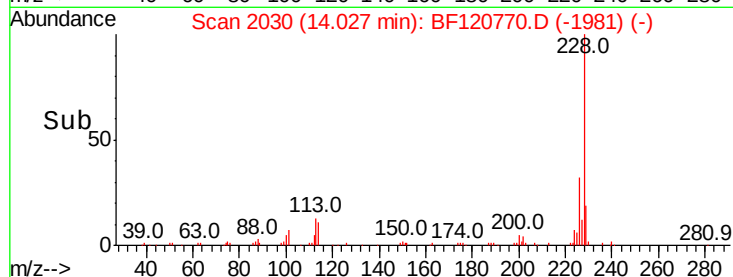
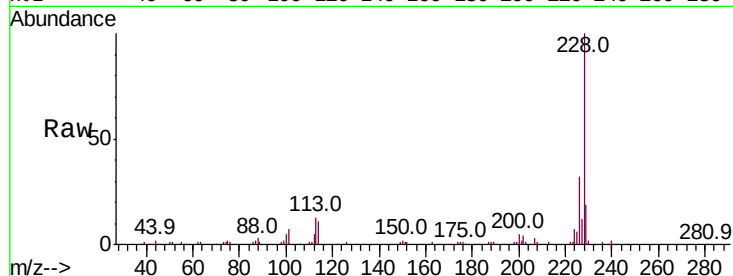
#83
Chrysene
Concen: 3.325 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.7	38.5
229	19.0	16.3	24.5

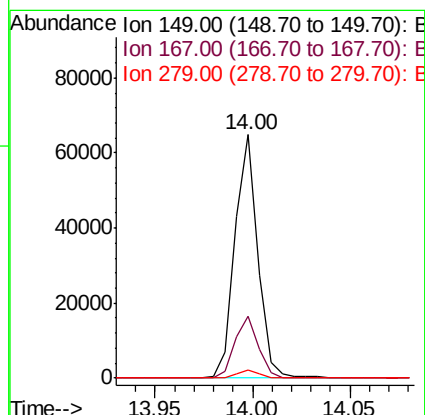
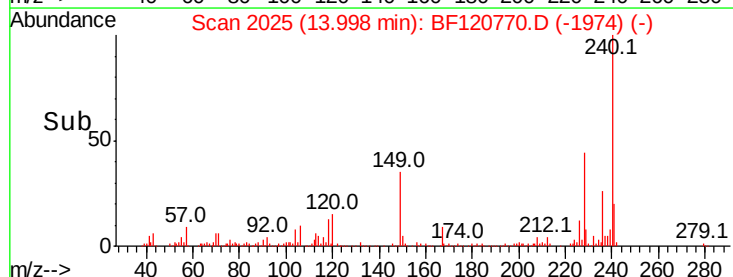
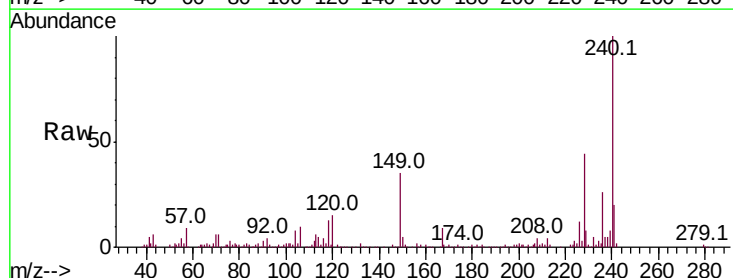
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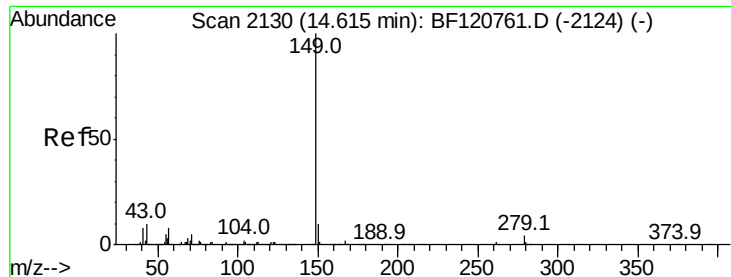
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.239 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.9	31.3
279	3.6	2.6	4.0





#85

Di-n-octyl phthalate

Concen: 2.261 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF120770.D

Acq: 6 Jul 2020 11:05

Instrument :

BNA_F

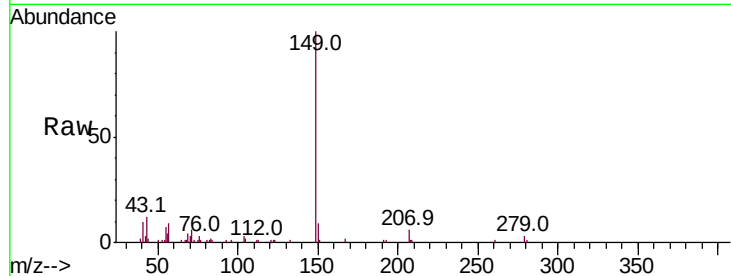
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

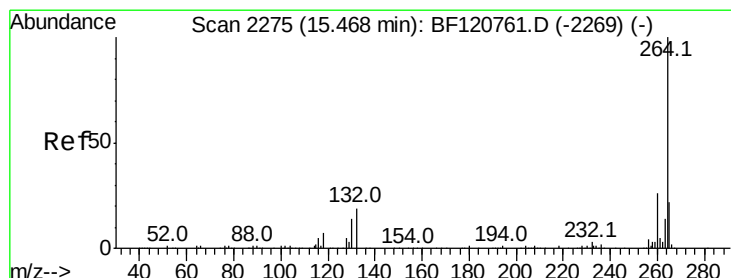
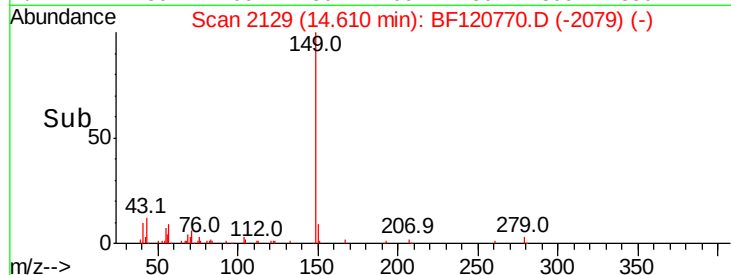
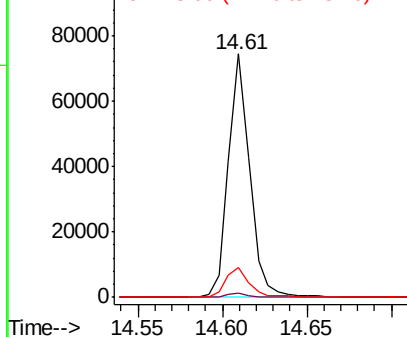
Tot Ion:	149	Resp:	65330
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.2	1.8
43	13.5	8.7	13.1#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

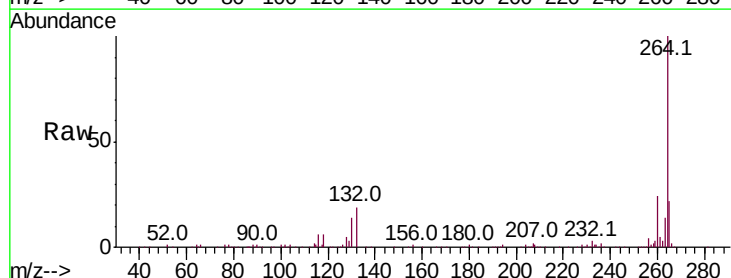
RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

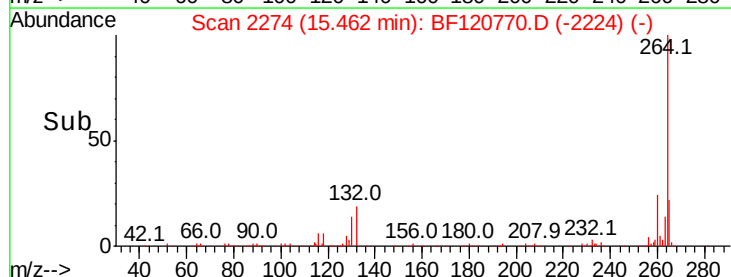
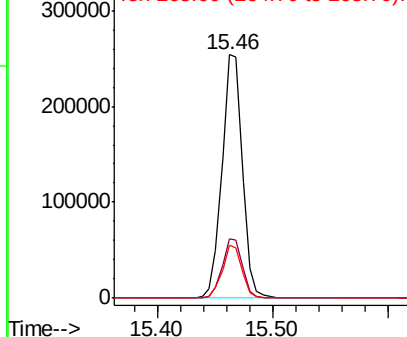
Lab File: BF120770.D

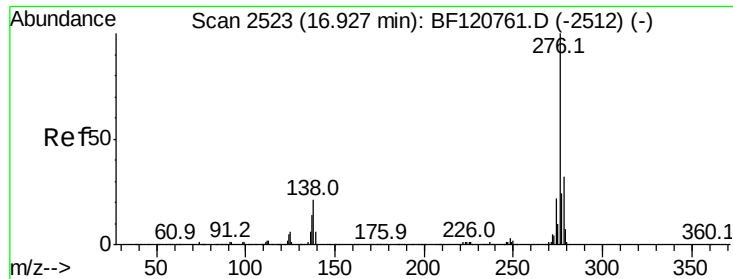
Acq: 6 Jul 2020 11:05

Tgt Ion:	264	Resp:	311411
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.6	30.8
265	21.9	17.6	26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





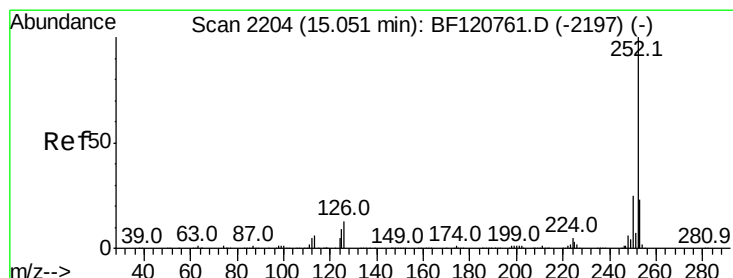
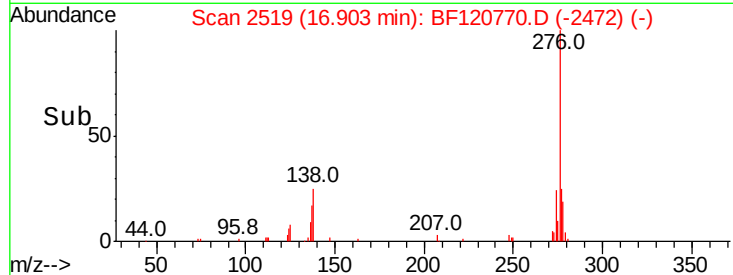
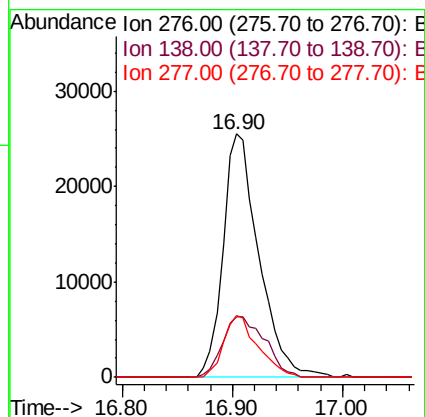
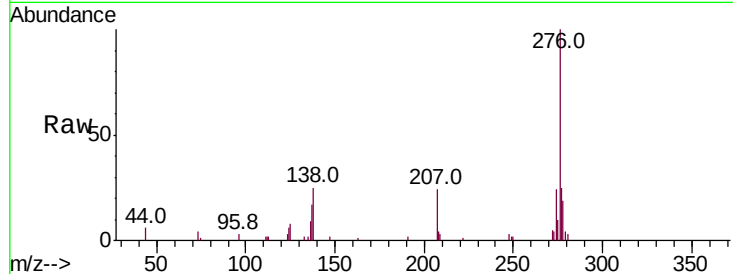
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.896 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Tot Ion:276	Resp:	57851
Ion Ratio	Lower	Upper
276 100		
138 29.3	19.8	29.8
277 24.4	19.9	29.9

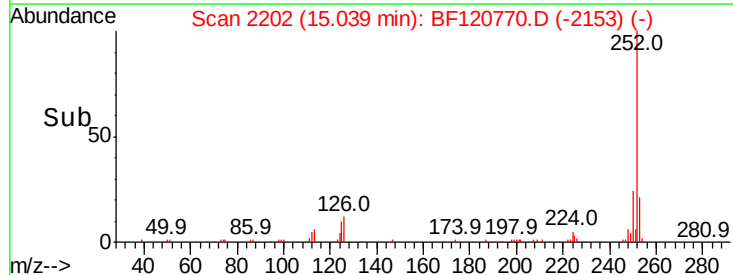
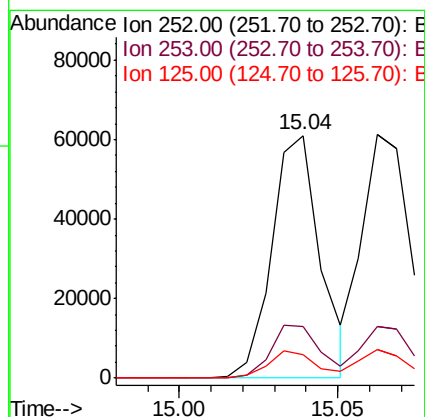
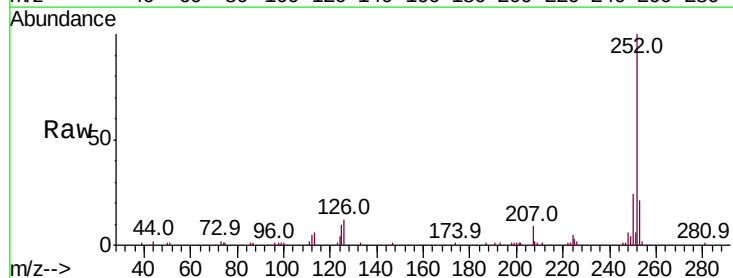
Manual Integrations
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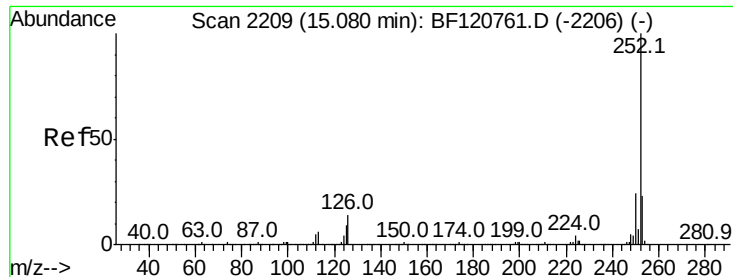
Sohil
 7/7/2020 8:20:48 AM



#88
 Benzo(b)fluoranthene
 Concen: 3.168 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120770.D
 Acq: 6 Jul 2020 11:05

Tgt Ion:252	Resp:	64851
Ion Ratio	Lower	Upper
252 100		
253 21.3	18.0	27.0
125 9.8	7.5	11.3





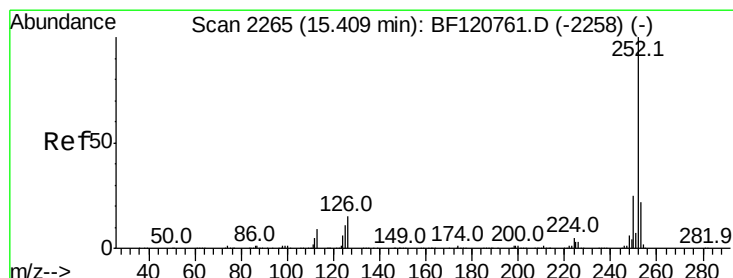
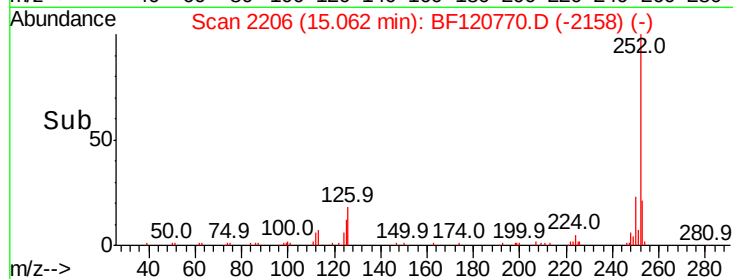
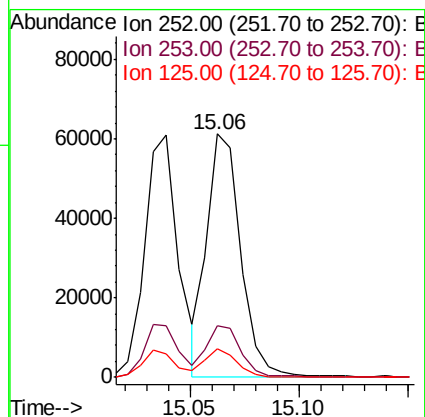
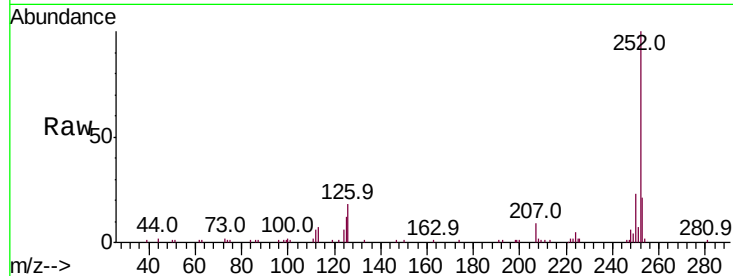
#89
Benzo(k)fluoranthene
Concen: 3.349 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	11.8	7.6	11.4

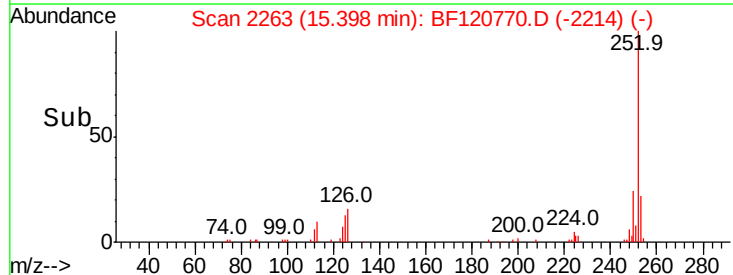
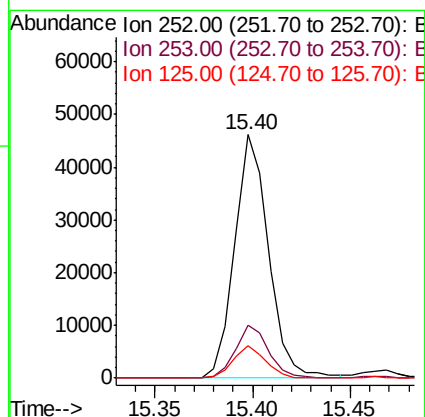
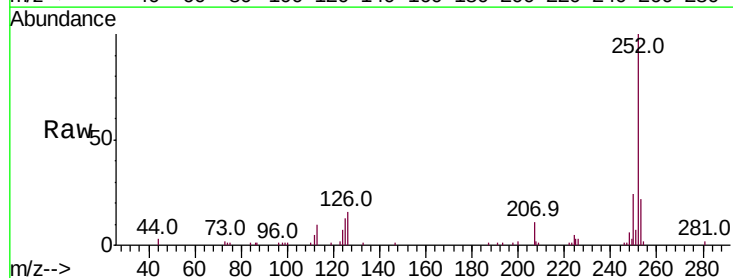
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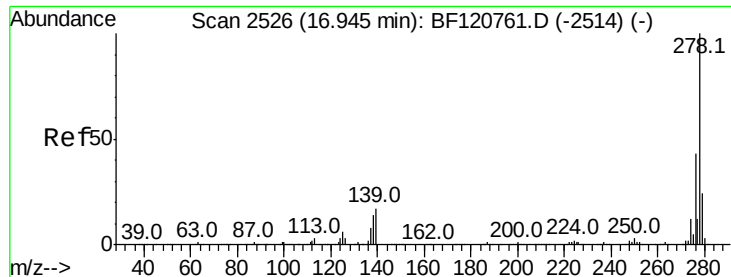
Sohil
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#90
Benzo(a)pyrene
Concen: 3.049 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	13.3	9.2	13.8





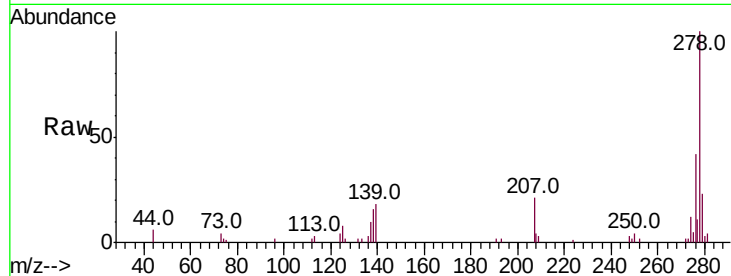
#91
Dibenzo(a,h)anthracene
Concen: 2.980 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

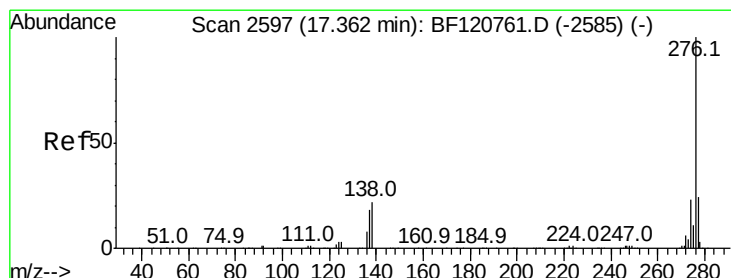
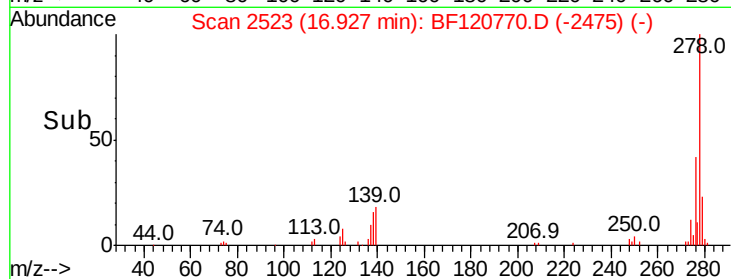
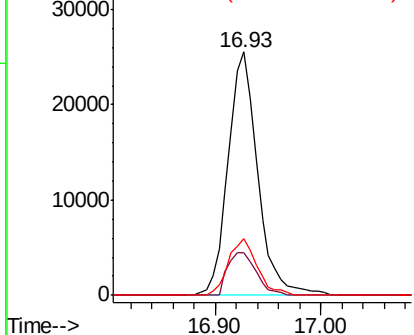
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.3	19.9
279	23.1	19.0	28.6

Manual Integrations
APPROVED

Sohil
7/7/2020 8:20:48 AM



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



#92
Benzo(g,h,i)perylene
Concen: 3.121 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.03 min
Lab File: BF120770.D
Acq: 6 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	23.3	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

