

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121513.D
 Acq On : 1 Sep 2020 23:48
 Operator : JU/CG
 Sample : L3857-10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL

Quant Time: Sep 02 00:39:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	271934	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1013032	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	491862	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	767797	20.00	ng	0.00
76) Chrysene-d12	14.03	240	647526	20.00	ng	0.00
86) Perylene-d12	15.50	264	697764	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	17776	1.10	ng	-0.02
7) Phenol-d6	6.47	99	24590	1.09	ng	-0.02
23) Nitrobenzene-d5	7.41	82	13518	0.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	5038	1.01	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	35862	1.18	ng	-0.01
79) Terphenyl-d14	12.97	244	29751	0.97	ng	0.00

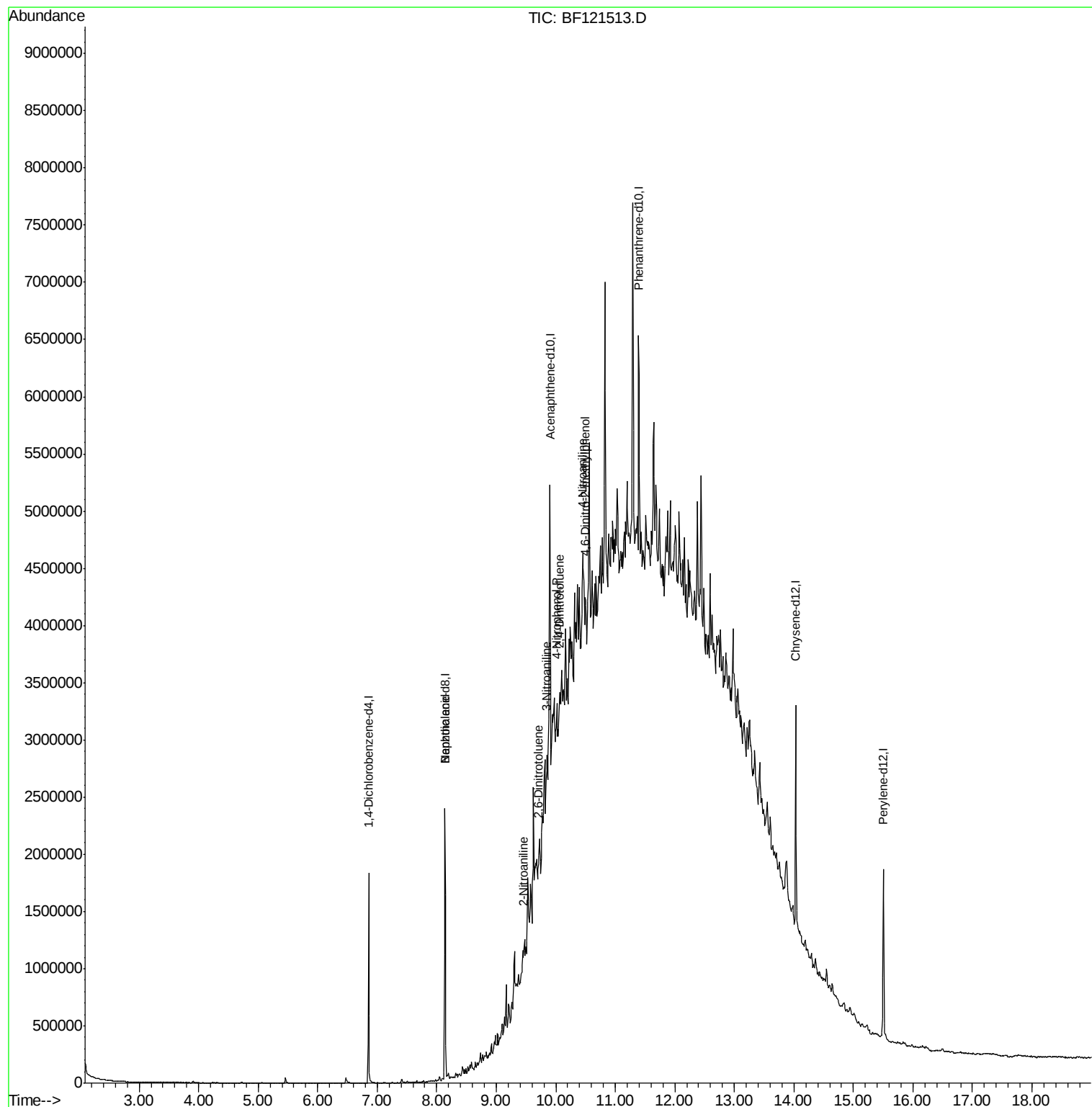
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.15	122	114	6.676	ng	# 1
48) 2-Nitroaniline	9.45	65	4305	7.081	ng	# 1
51) 2,6-Dinitrotoluene	9.70	165	4109	6.981	ng	# 33
53) 3-Nitroaniline	9.86	138	4897	5.990	ng	# 31
54) 2,4-Dinitrophenol	9.97	184	121	Below Cal		# 1
56) 4-Nitrophenol	10.02	139	4483	8.476	ng	# 1
57) 2,4-Dinitrotoluene	10.06	165	13375	8.732	ng	# 31
62) 4-Nitroaniline	10.46	138	660	4.608	ng	# 43
65) 4,6-Dinitro-2-methylphenol	10.50	198	1606	6.647	ng	# 1

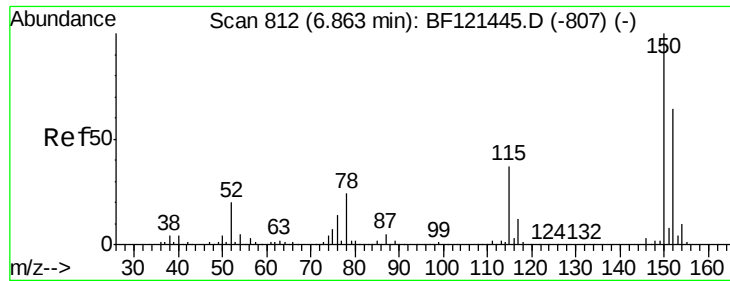
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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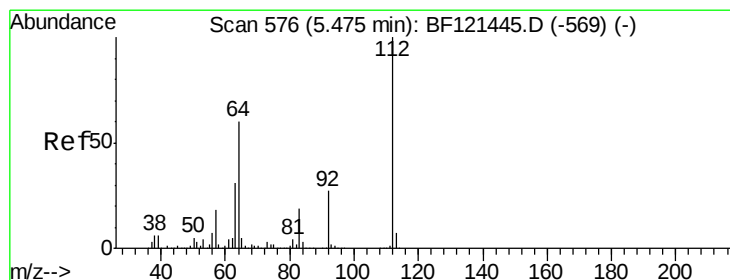
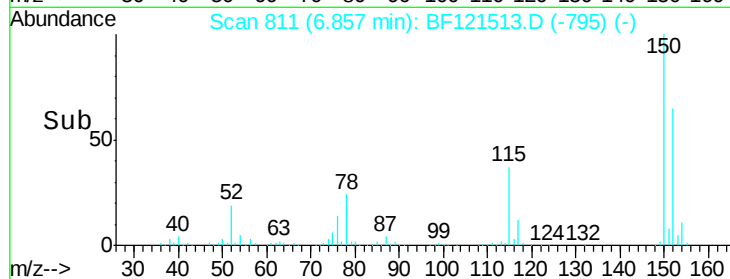
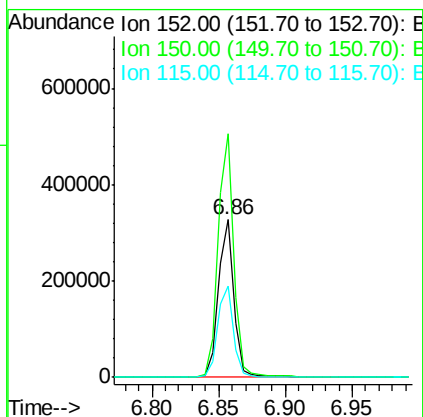
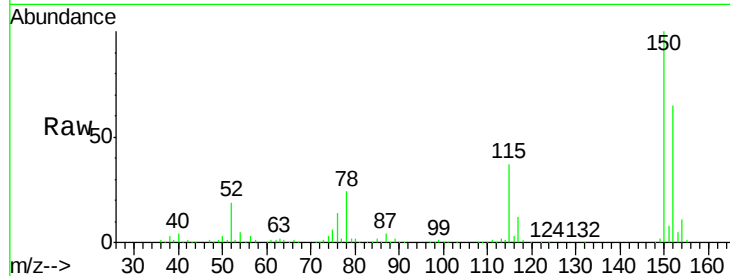


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

Instrument :
BNA_F
ClientSampleId :
OIL

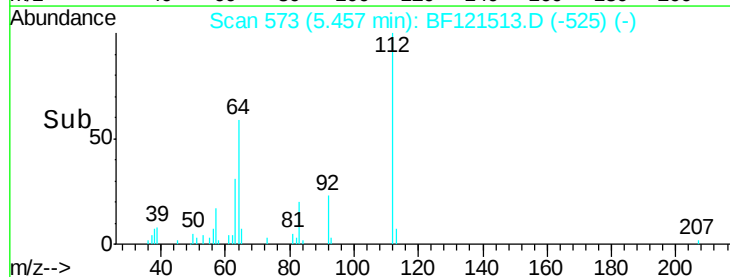
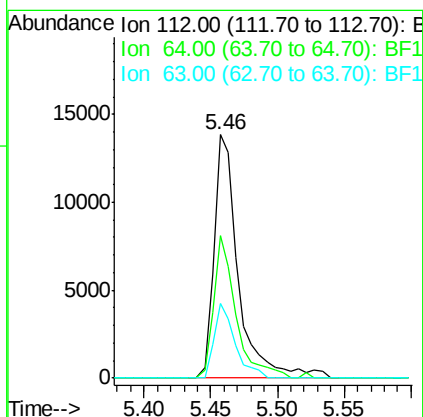
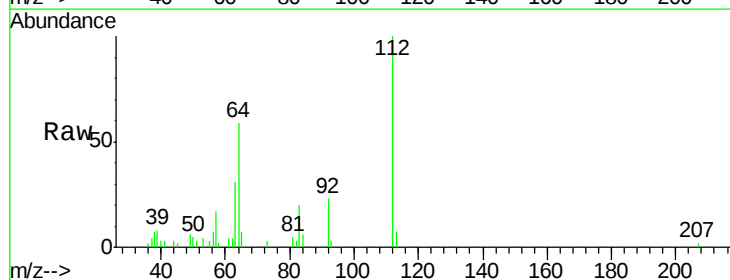
Tot Ion:152 Resp: 271934
Ion Ratio Lower Upper
152 100
150 154.8 125.8 188.6
115 57.8 46.6 69.8

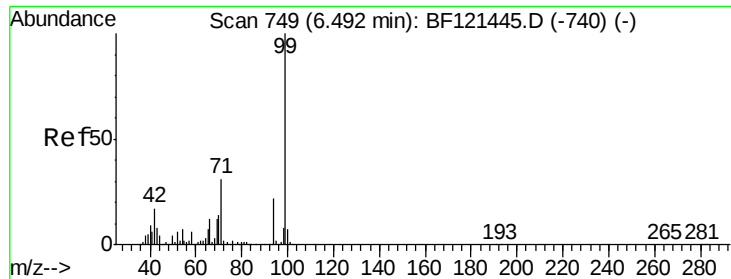


#5

2-Fluorophenol
Concen: 1.097 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

Tgt Ion:112 Resp: 17776
Ion Ratio Lower Upper
112 100
64 58.8 48.2 72.2
63 30.5 24.8 37.2





#7

Phenol-d6

Concen: 1.086 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

Instrument :

BNA_F

ClientSampled :

OIL

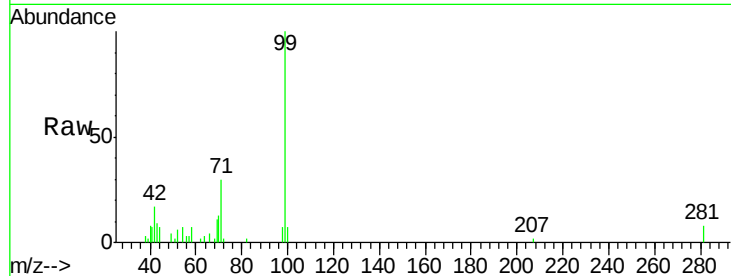
Tot Ion: 99 Resp: 24590

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

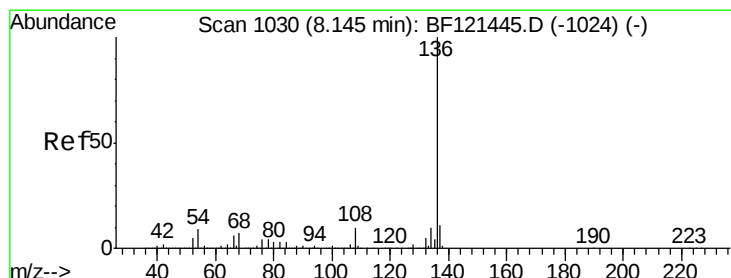
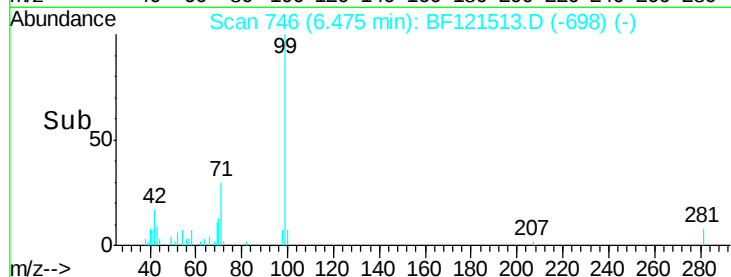
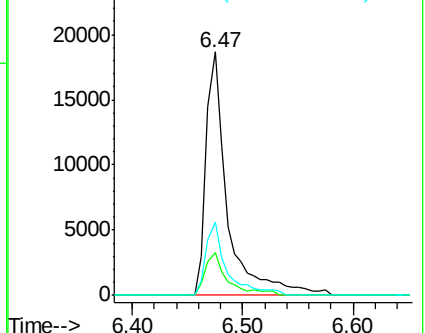
71 30.1 24.6 37.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

Tgt Ion: 136 Resp: 1013032

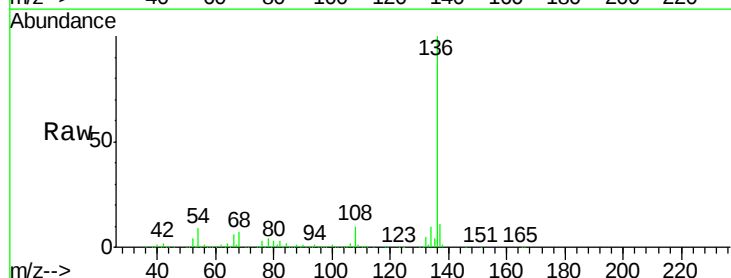
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.6 7.0 10.4

68 7.2 5.5 8.3

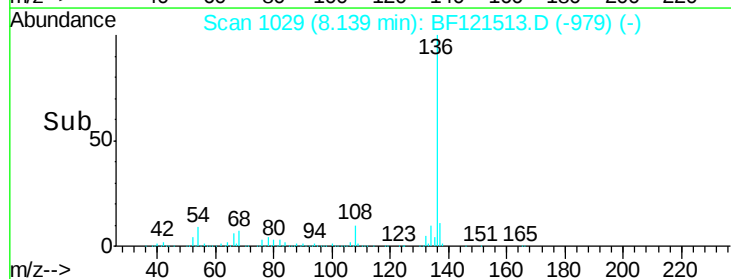
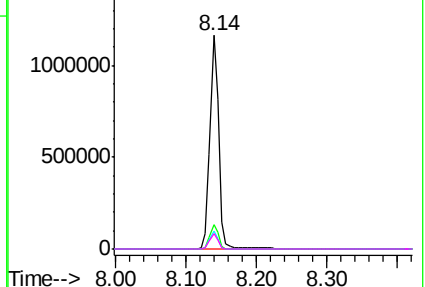


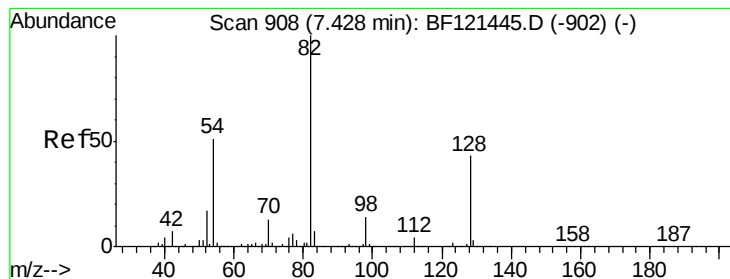
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 0.912 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

Instrument :

BNA_F

ClientSampled :

OIL

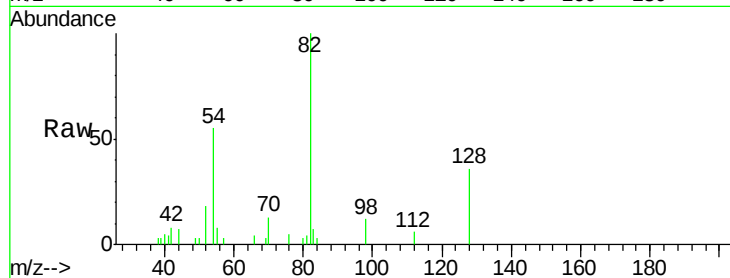
Tot Ion: 82 Resp: 13518

Ion Ratio Lower Upper

82 100

128 35.8 34.1 51.1

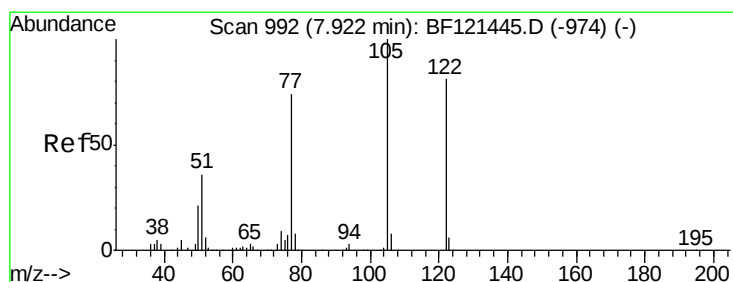
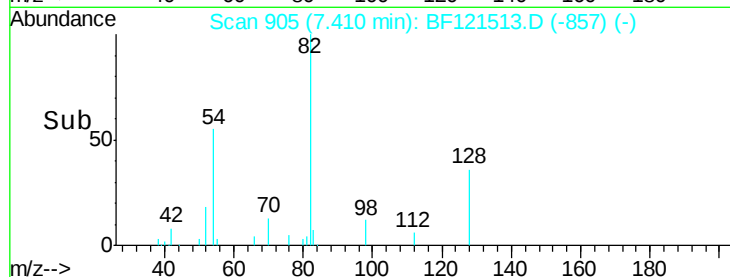
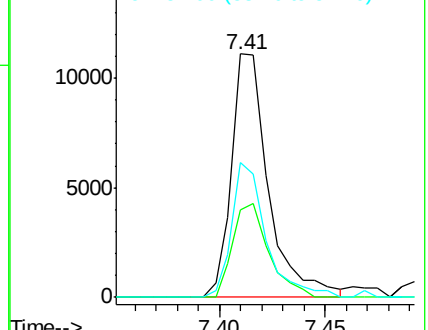
54 55.5 41.0 61.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#32

Benzoic acid

Concen: 6.676 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

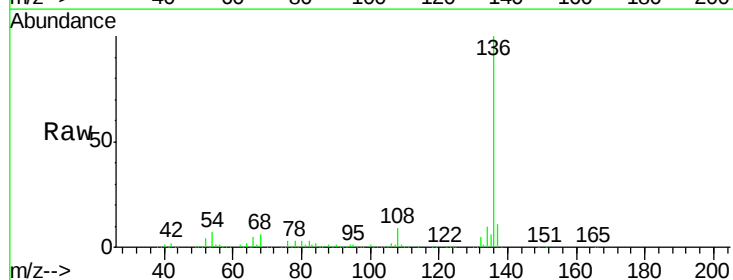
Tgt Ion: 122 Resp: 114

Ion Ratio Lower Upper

122 100

105 854.3 100.8 140.8#

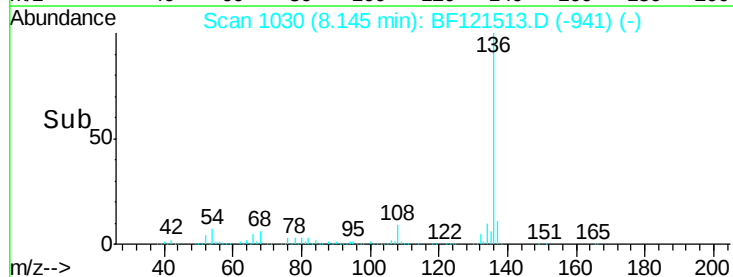
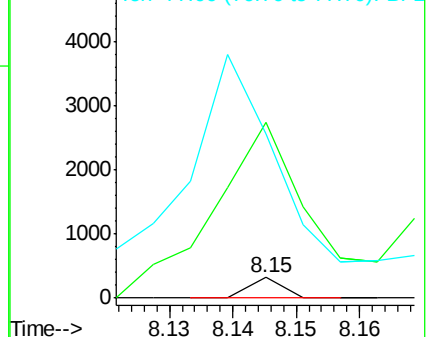
77 795.7 71.5 111.5#

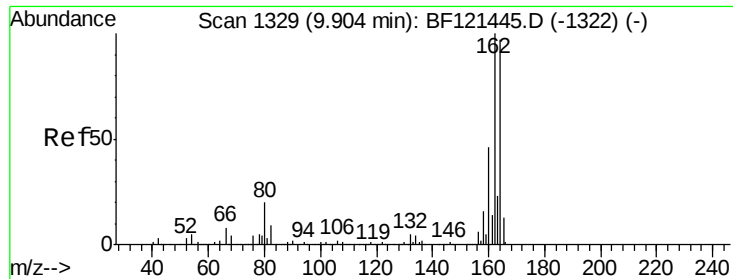


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

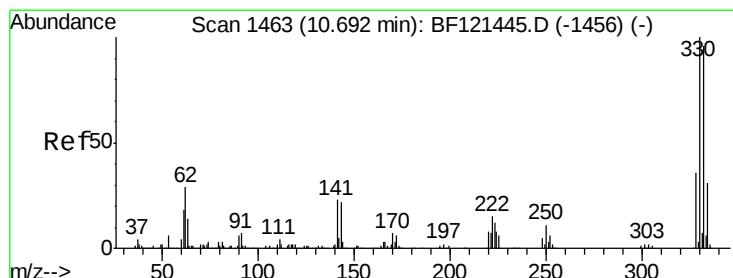
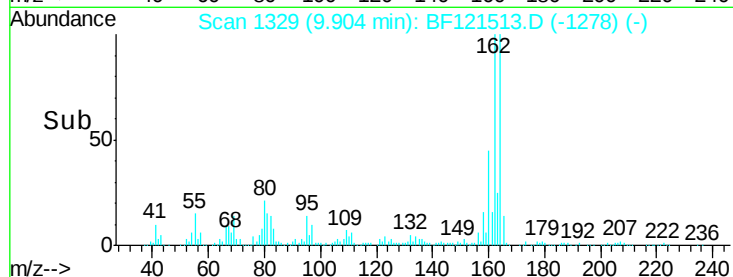
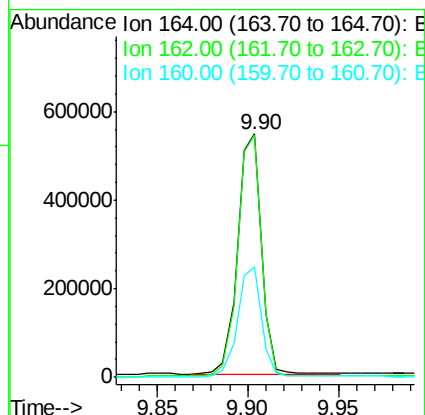
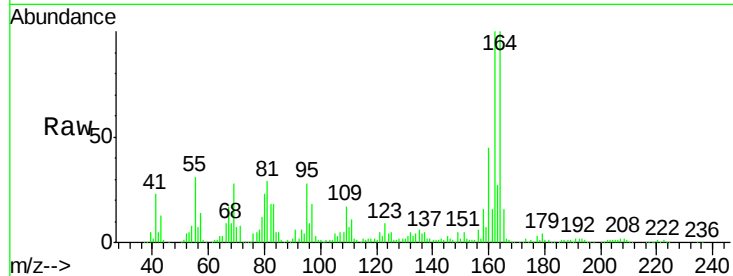




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

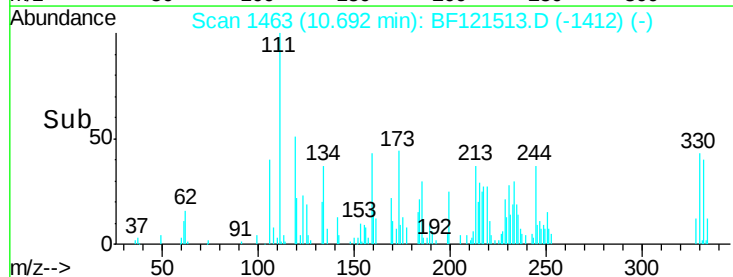
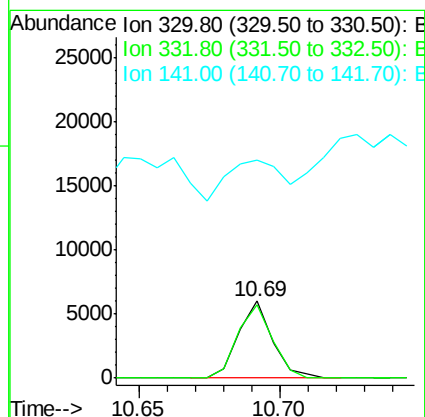
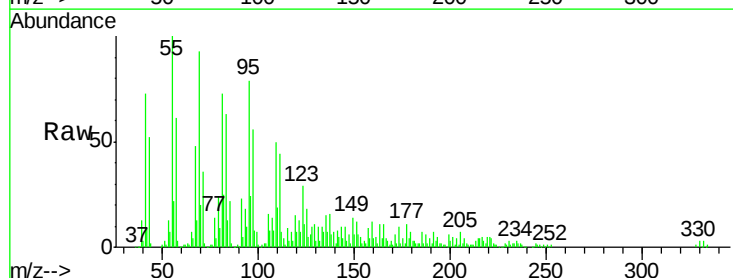
Instrument :
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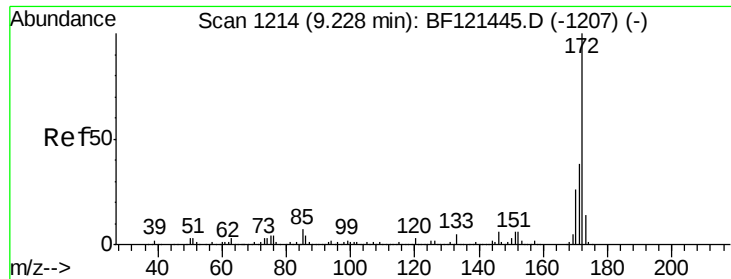
Tot Ion:164 Resp: 491862
 Ion Ratio Lower Upper
 164 100
 162 99.7 82.4 123.6
 160 45.3 37.6 56.4



#42
 2,4,6-Tribromophenol
 Concen: 1.014 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

Tgt Ion:330 Resp: 5038
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.2
 141 82.2 24.6 36.8#

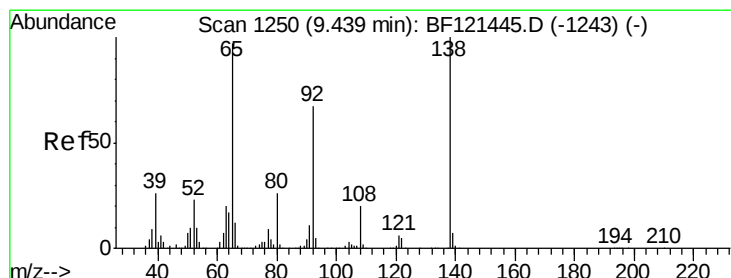
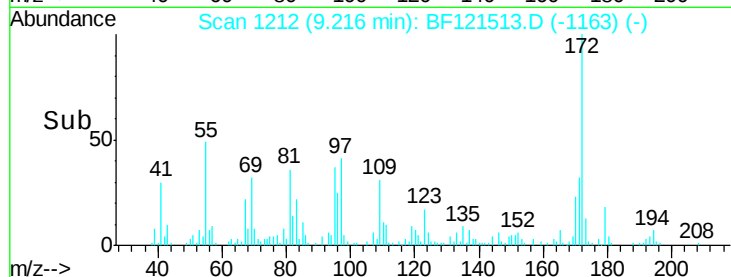
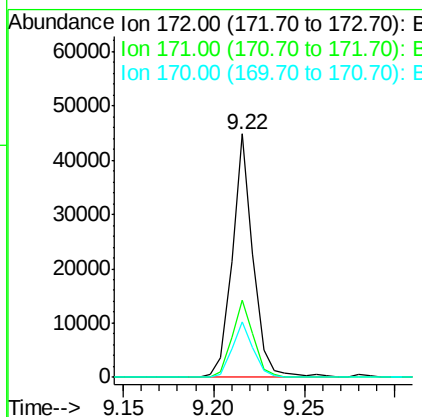
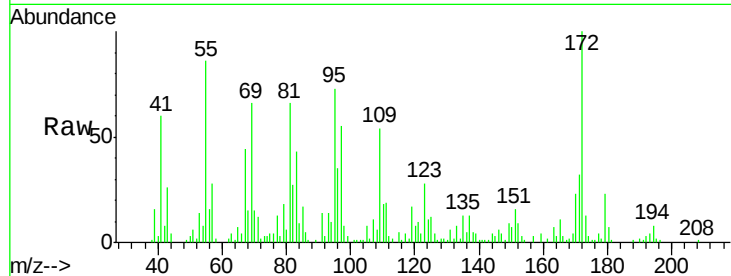




#45
 2-Fluorobiphenyl
 Concen: 1.176 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

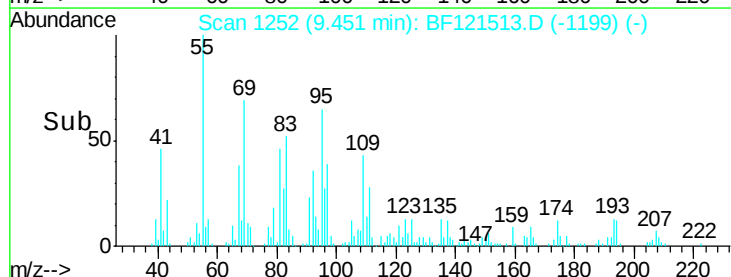
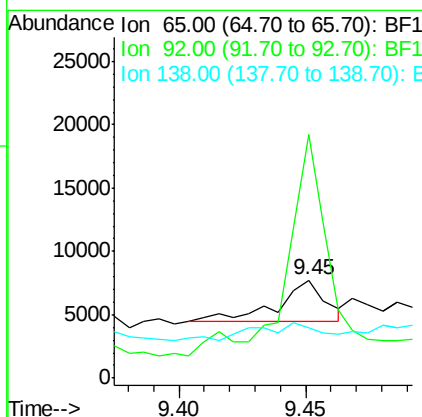
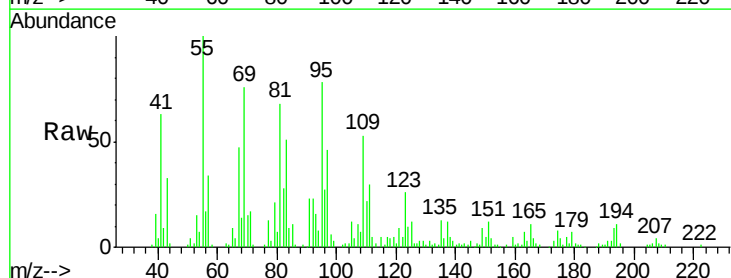
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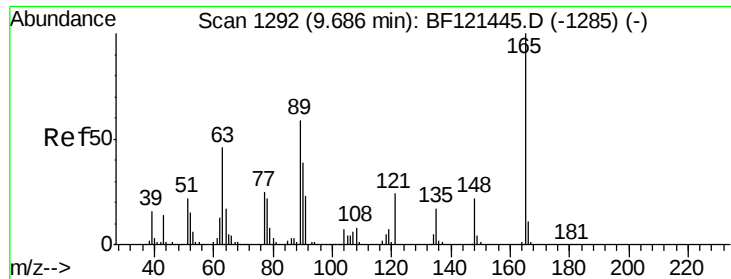
Tot Ion:172 Resp: 35862
 Ion Ratio Lower Upper
 172 100
 171 31.5 30.6 45.8
 170 22.9 20.6 31.0



#48
 2-Nitroaniline
 Concen: 7.081 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

Tgt Ion: 65 Resp: 4305
 Ion Ratio Lower Upper
 65 100
 92 248.1 55.6 83.4#
 138 51.9 82.9 124.3#

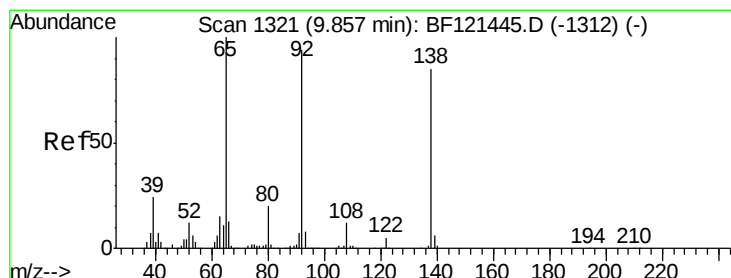
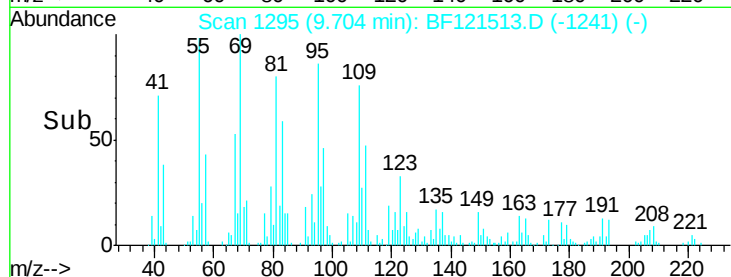
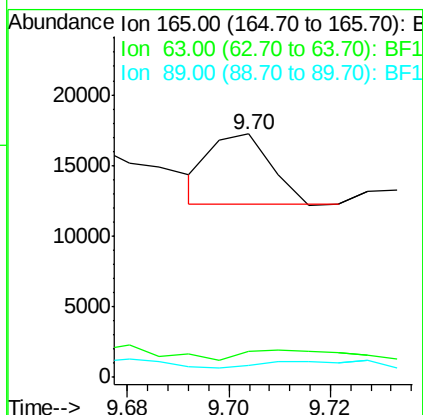
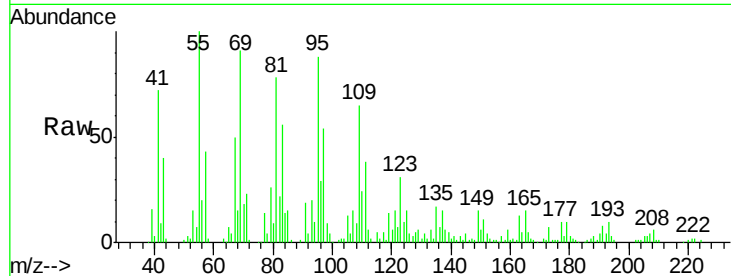




#51
 2,6-Dinitrotoluene
 Concen: 6.981 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.02 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

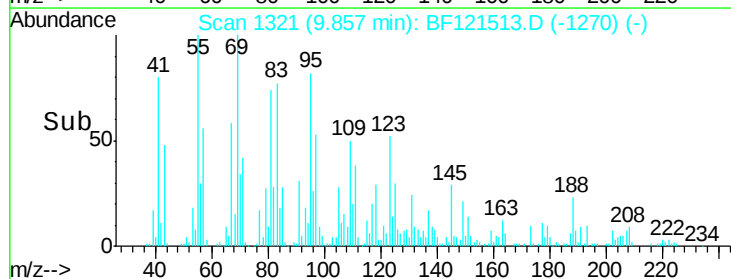
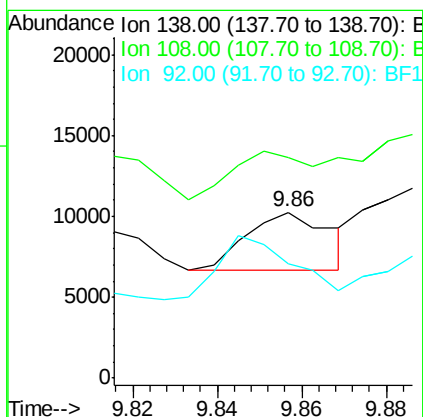
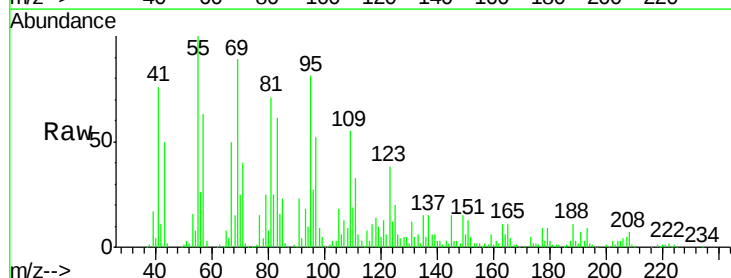
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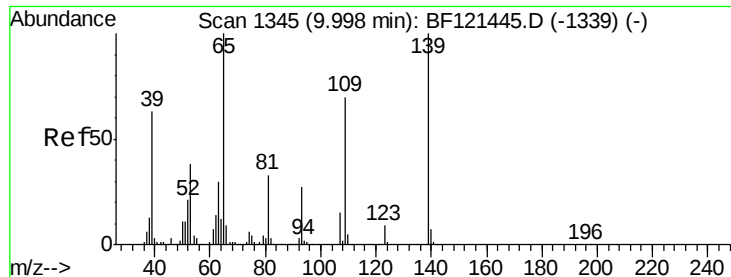
Tot Ion:165 Resp: 4109
 Ion Ratio Lower Upper
 165 100
 63 10.4 43.6 65.4#
 89 4.7 47.4 71.2#



#53
 3-Nitroaniline
 Concen: 5.990 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

Tgt Ion:138 Resp: 4897
 Ion Ratio Lower Upper
 138 100
 108 133.2 11.6 17.4#
 92 68.6 88.6 132.8#

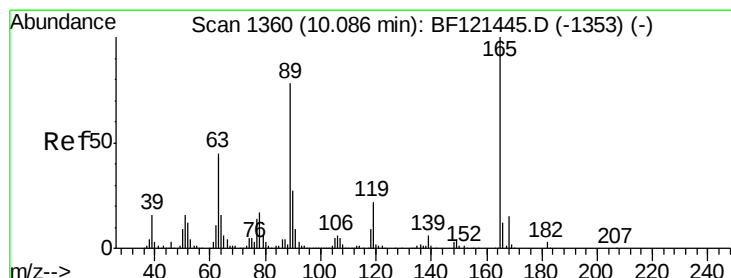
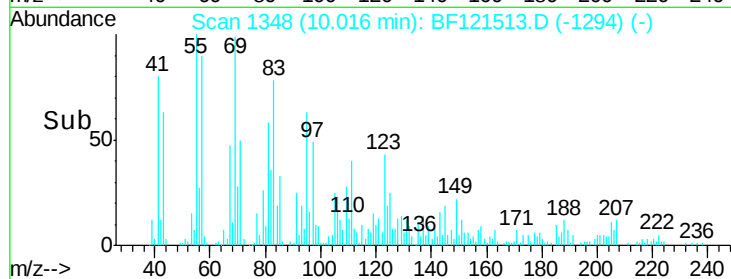
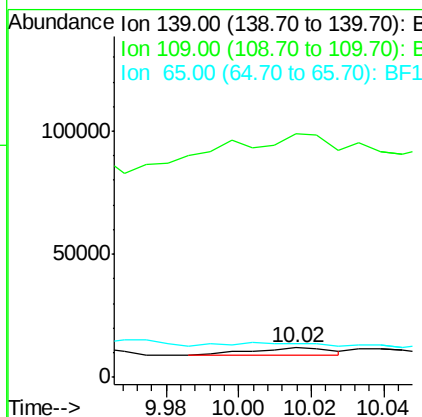
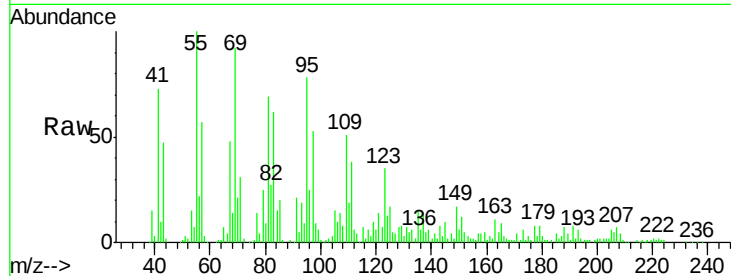




#56
4-Nitrophenol
Concen: 8.476 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.02 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

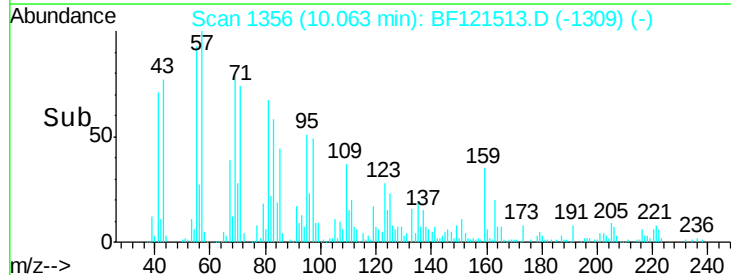
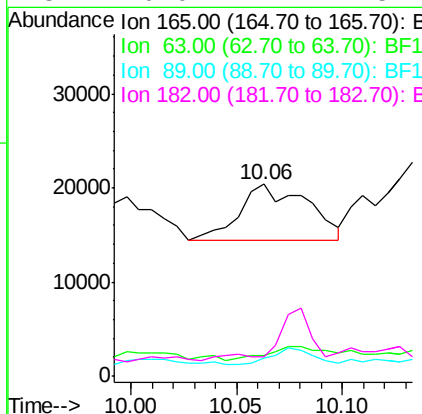
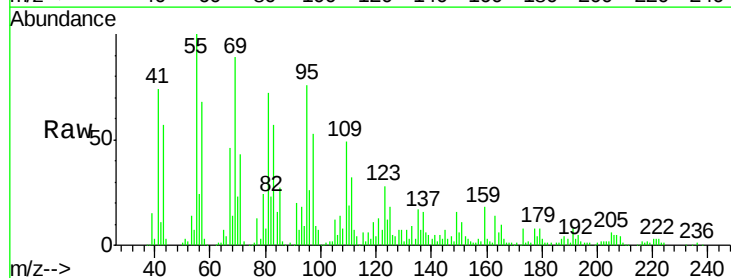
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ClientSampled :
OIL

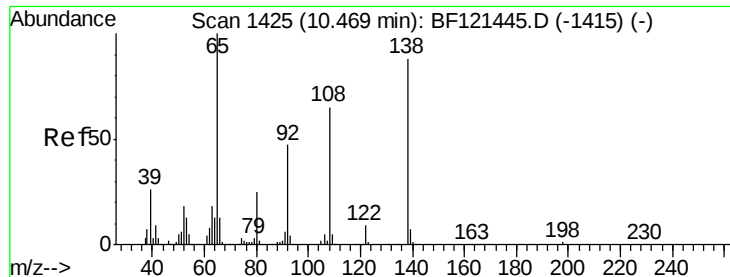
Tot Ion:139 Resp: 4483
Ion Ratio Lower Upper
139 100
109 820.8 50.5 90.5#
65 112.6 80.2 120.2



#57
2,4-Dinitrotoluene
Concen: 8.732 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

Tgt Ion:165 Resp: 13375
Ion Ratio Lower Upper
165 100
63 10.6 36.0 54.0#
89 9.1 62.6 93.8#
182 10.0 2.2 3.2#

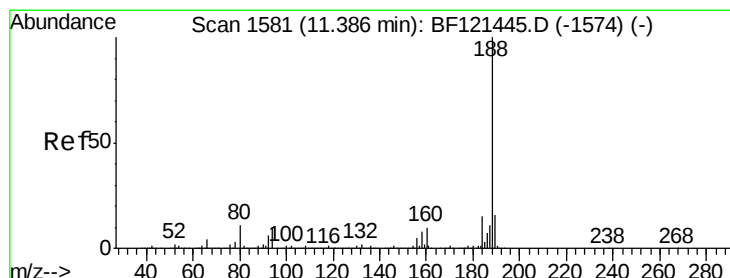
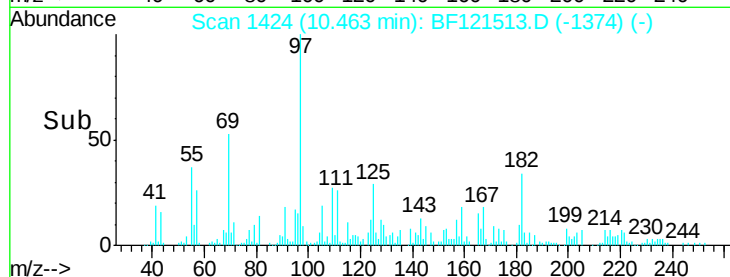
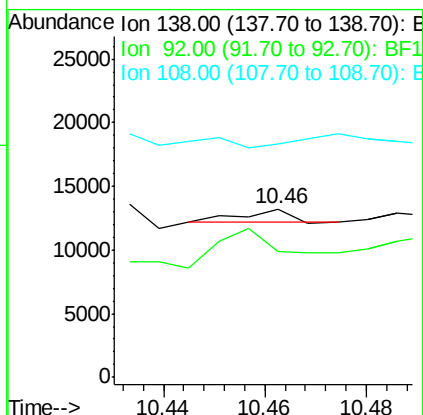
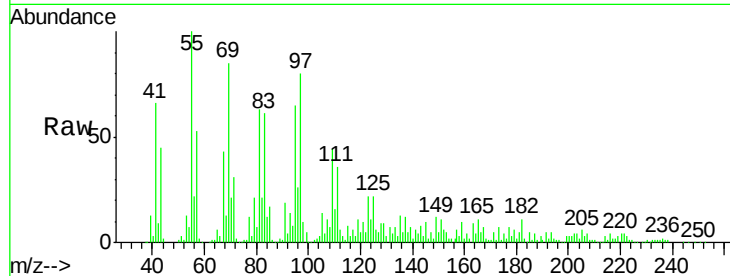




#62
4-Nitroaniline
Concen: 4.608 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

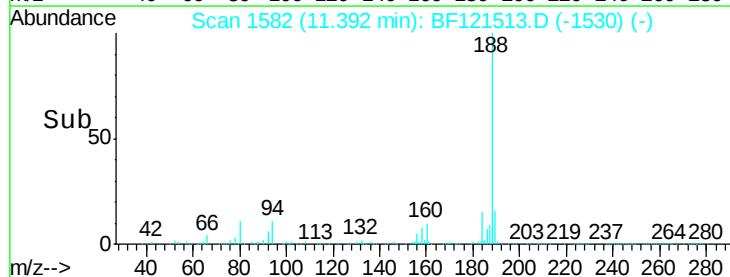
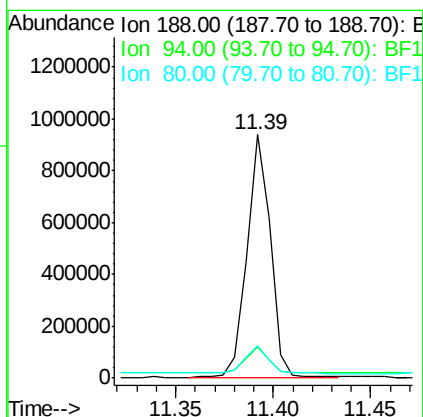
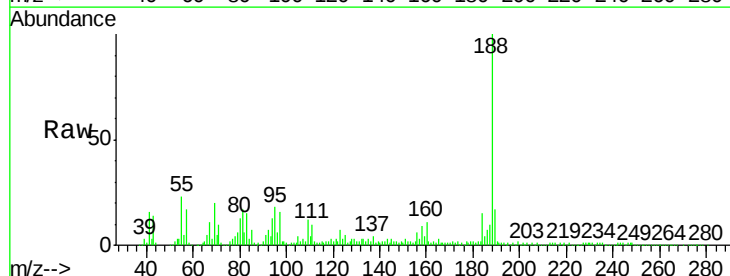
Instrument :
BNA_F
ClientSampleId :
OIL

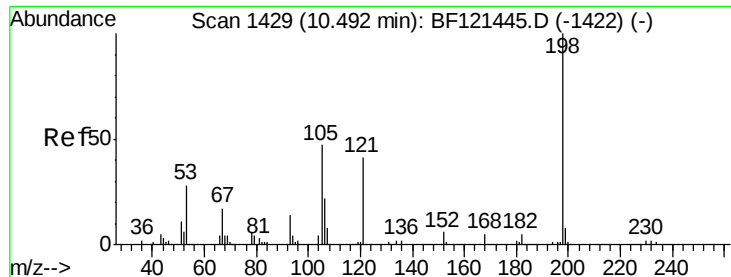
Tot Ion:138 Resp: 660
Ion Ratio Lower Upper
138 100
92 75.0 33.2 73.2#
108 138.3 53.6 93.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF121513.D
Acq: 1 Sep 2020 23:48

Tgt Ion:188 Resp: 767797
Ion Ratio Lower Upper
188 100
94 13.0 8.3 12.5#
80 13.5 8.6 13.0#

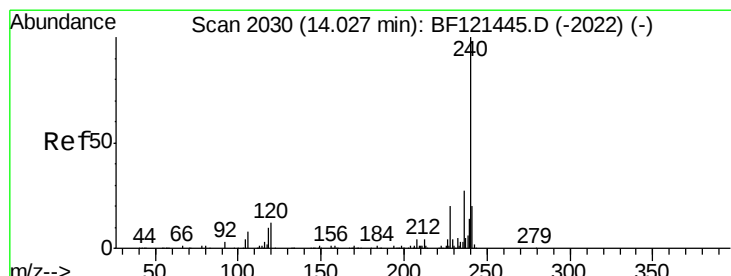
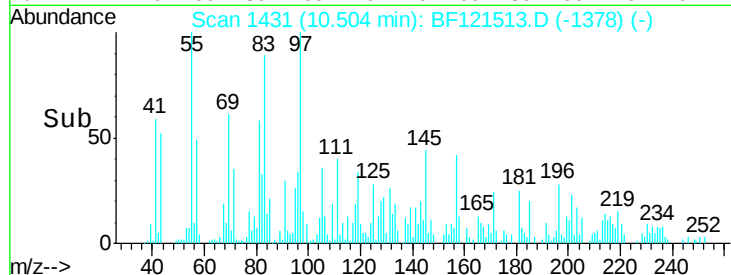
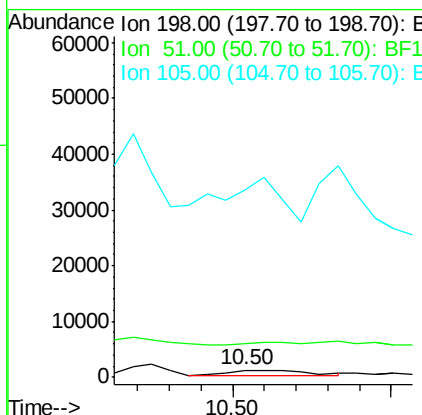
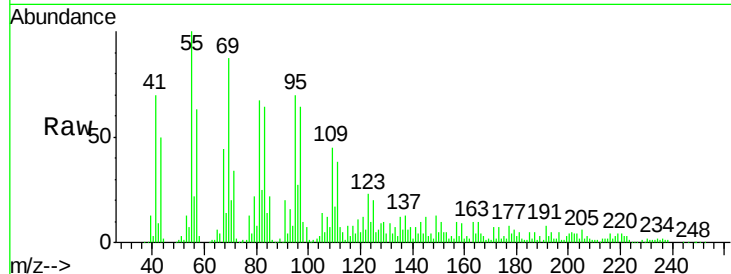




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.647 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

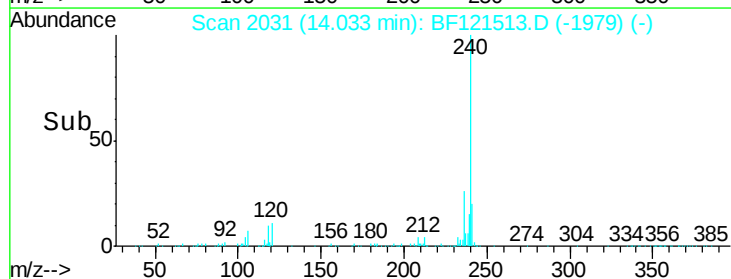
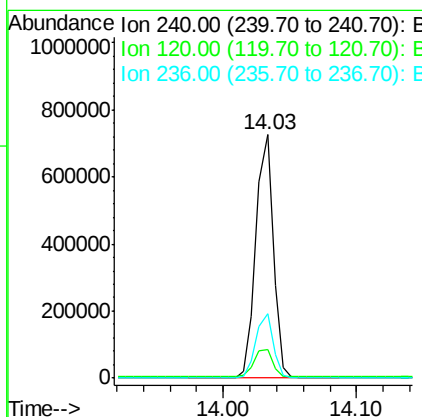
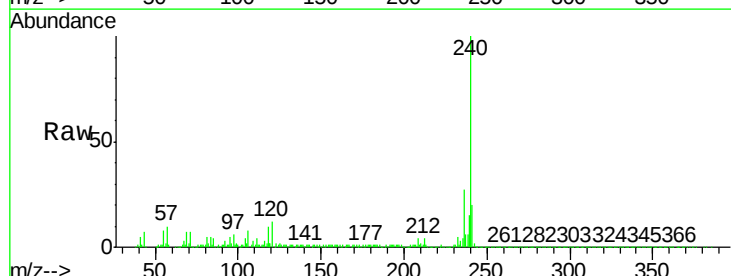
Instrument :
 BNA_F
 ClientSampleId :
 OIL

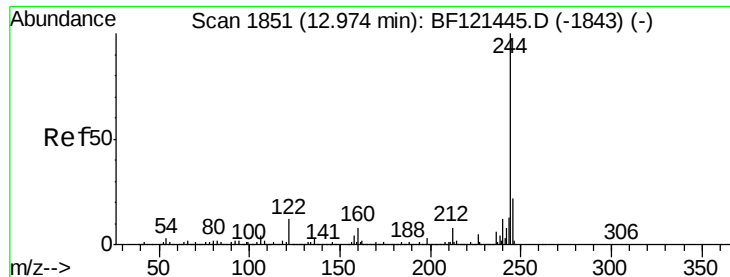
Tot Ion:198 Resp: 1606
 Ion Ratio Lower Upper
 198 100
 51 478.1 29.0 69.0#
 105 2621.1 29.1 69.1#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BF121513.D
 Acq: 1 Sep 2020 23:48

Tgt Ion:240 Resp: 647526
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.5 14.3
 236 26.7 21.8 32.6





#79

Terphenyl-d14

Concen: 0.967 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

Instrument :

BNA_F

ClientSampled :

OIL

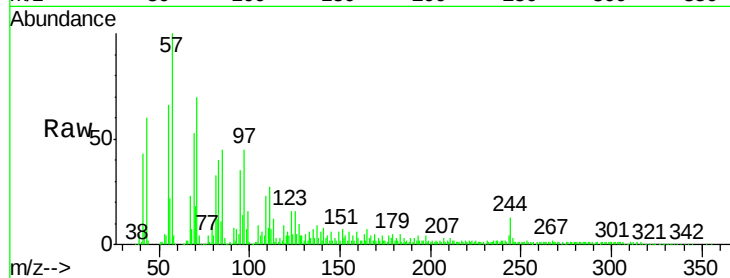
Tot Ion:244 Resp: 29751

Ion Ratio Lower Upper

244 100

212 12.9 6.3 9.5#

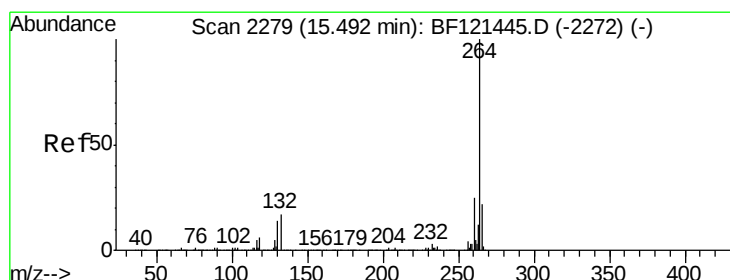
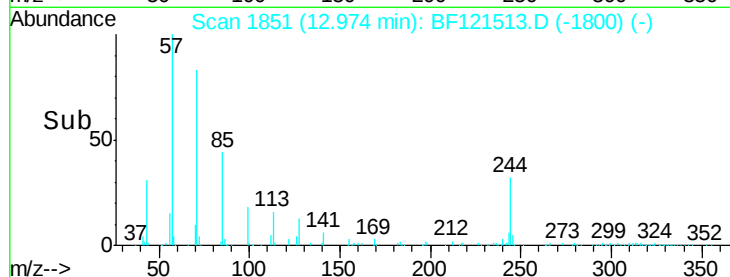
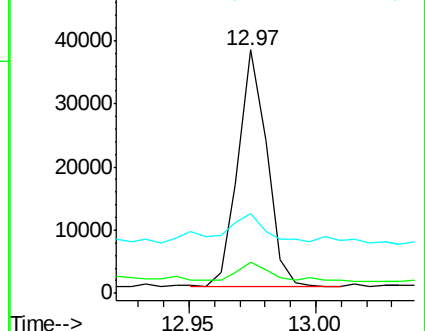
122 32.7 9.5 14.3#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF121513.D

Acq: 1 Sep 2020 23:48

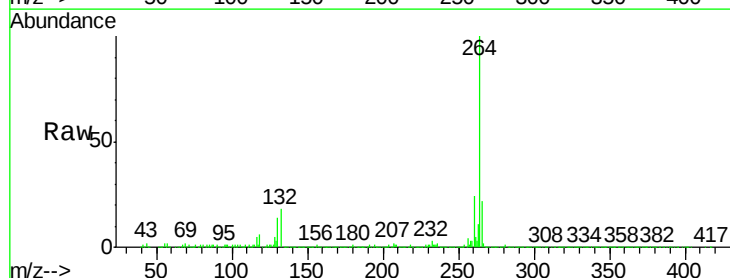
Tgt Ion:264 Resp: 697764

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 22.0 17.8 26.6



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

