

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121461.D
 Acq On : 28 Aug 2020 15:54
 Operator : JU/CG
 Sample : L3824-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-1

Quant Time: Aug 28 16:18:10 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	295139	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1133807	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	544868	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	934470	20.00	ng	0.00
76) Chrysene-d12	14.02	240	710640	20.00	ng	0.00
86) Perylene-d12	15.49	264	658323	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	23667	1.35	ng	-0.01
7) Phenol-d6	6.47	99	29582	1.20	ng	-0.02
23) Nitrobenzene-d5	7.42	82	15559	0.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	5341	0.97	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	39418	1.17	ng	-0.01
79) Terphenyl-d14	12.97	244	38593	1.14	ng	0.00

Target Compounds

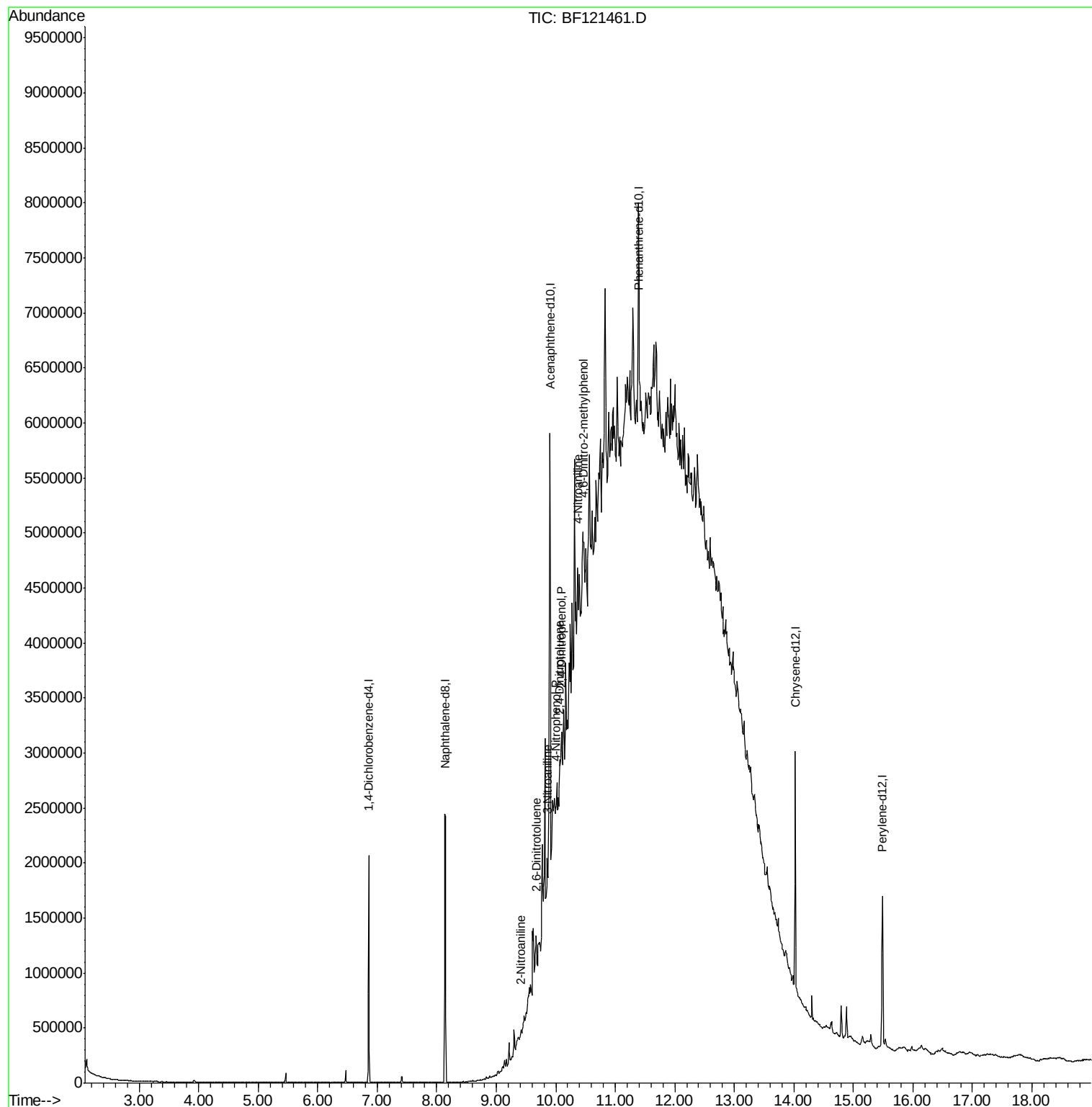
						Qvalue
9) Benzaldehyde	6.39	77	122	Below Cal	#	1
48) 2-Nitroaniline	9.42	65	958	6.735 ng	#	70
51) 2,6-Dinitrotoluene	9.67	165	7214	7.310 ng	#	32
53) 3-Nitroaniline	9.86	138	11055	6.548 ng	#	22
54) 2,4-Dinitrophenol	10.10	184	2034	3.277 ng	#	1
56) 4-Nitrophenol	10.00	139	1595	8.055 ng	#	1
57) 2,4-Dinitrotoluene	10.07	165	10362	8.294 ng	#	36
62) 4-Nitroaniline	10.37	138	26645	7.173 ng		92
65) 4,6-Dinitro-2-methylphenol	10.47	198	3624	7.676 ng	#	1

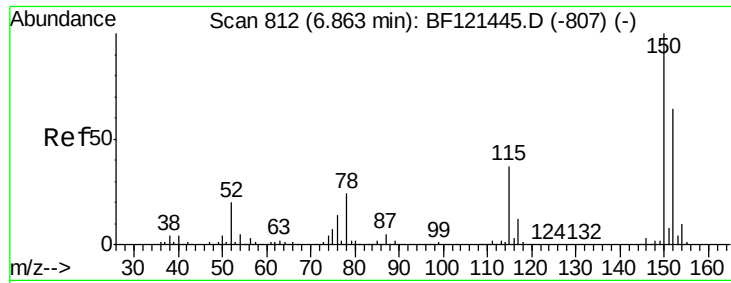
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 11 Sample Multiplier: 1

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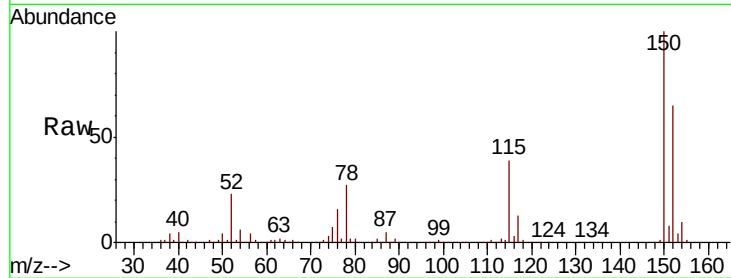


#1

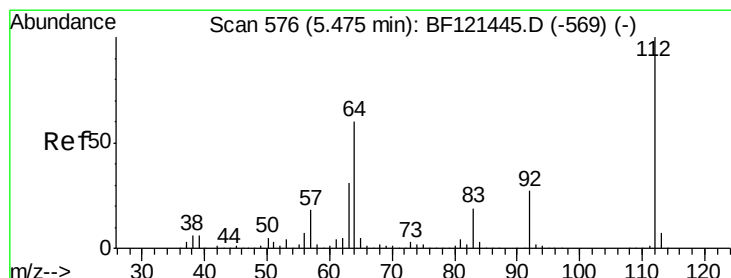
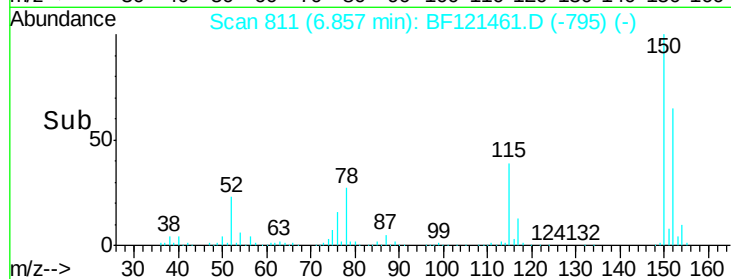
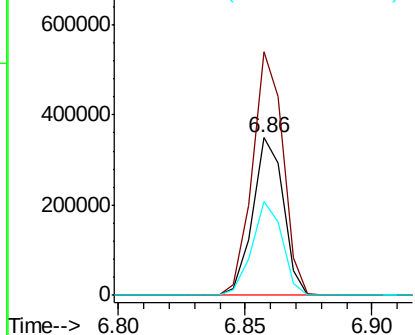
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

Instrument :
BNA_F
ClientSampleId :
OIL-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.8	188.6
115	59.7	46.6	69.8



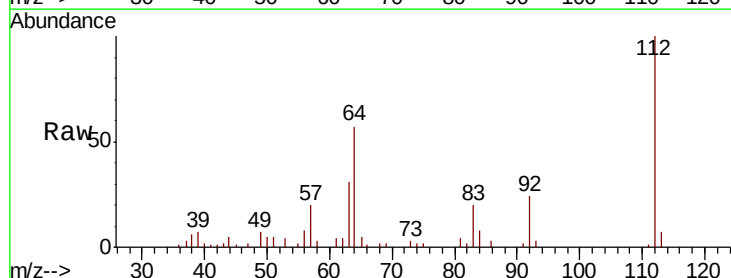
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



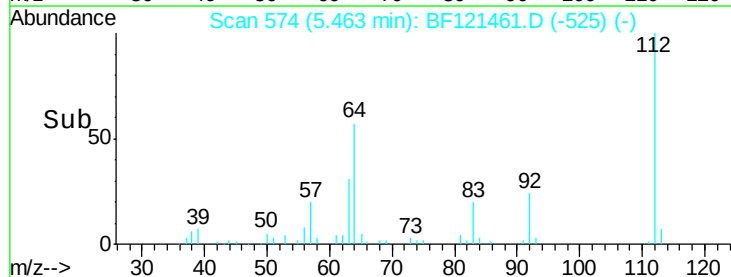
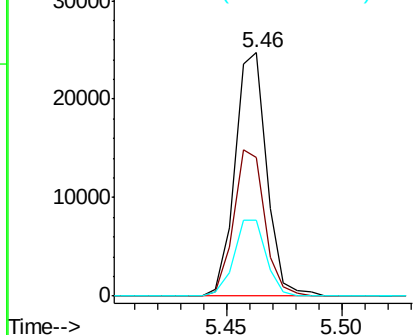
#5

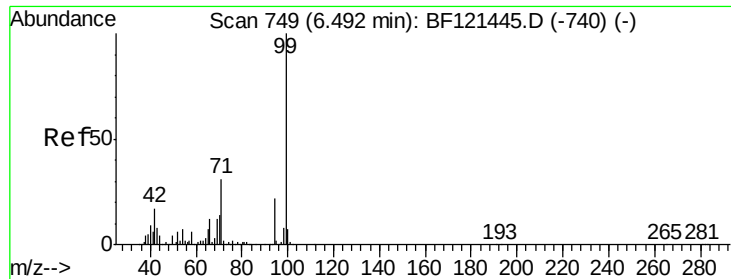
2-Fluorophenol
Concen: 1.345 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	48.2	72.2
63	31.3	24.8	37.2



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





#7

Phenol-d6

Concen: 1.203 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

Instrument :

BNA_F

ClientSampled :

OIL-1

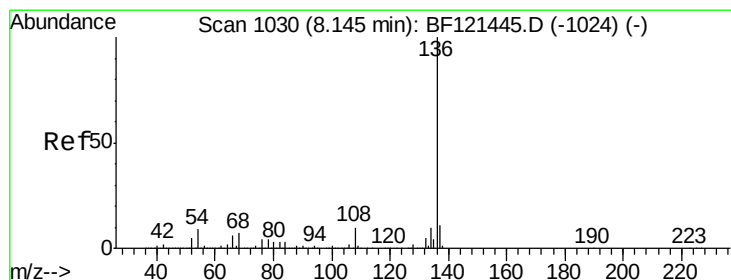
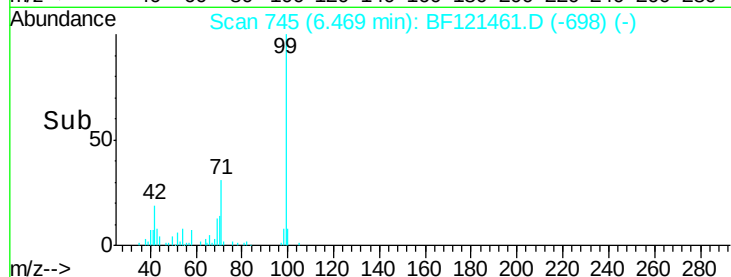
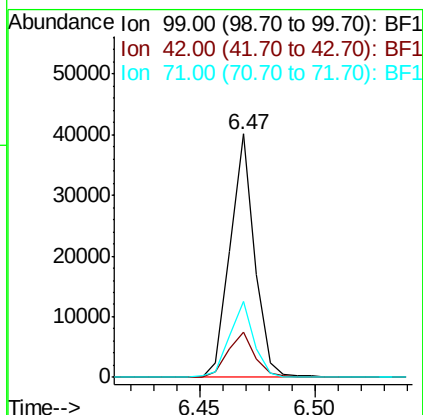
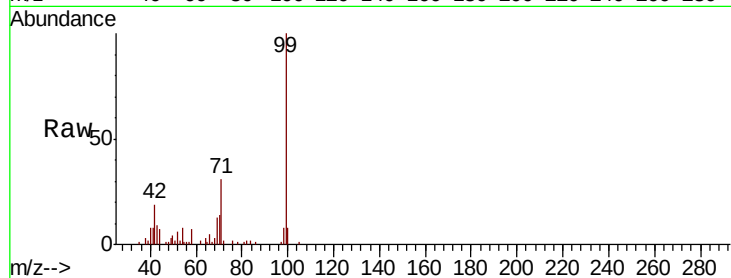
Tot Ion: 99 Resp: 29582

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

71 31.3 24.6 37.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

Tgt Ion: 136 Resp: 1133807

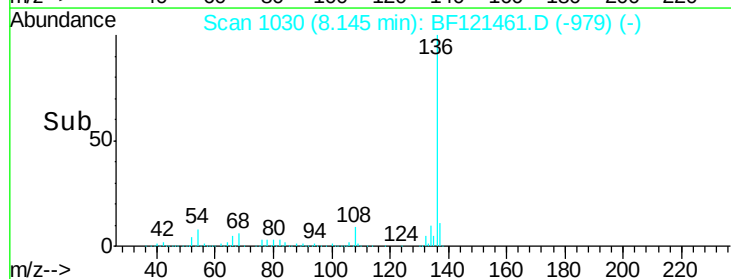
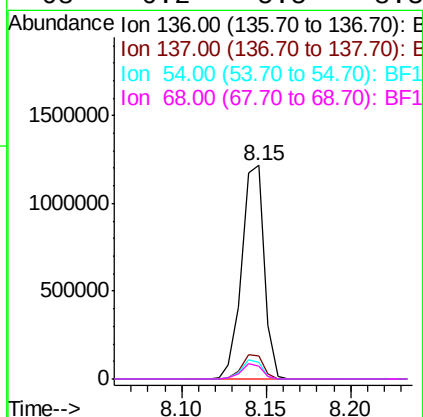
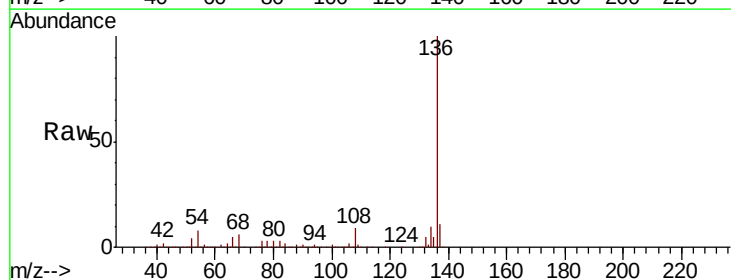
Ion Ratio Lower Upper

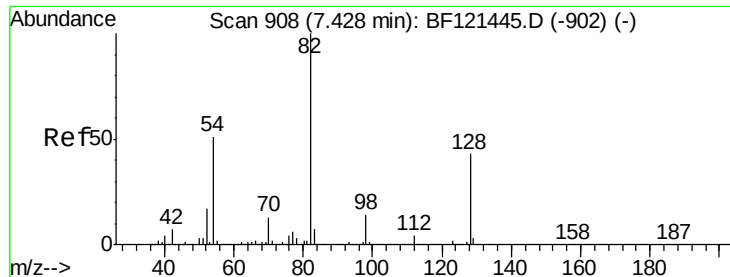
136 100

137 11.0 9.1 13.7

54 7.7 7.0 10.4

68 6.2 5.5 8.3

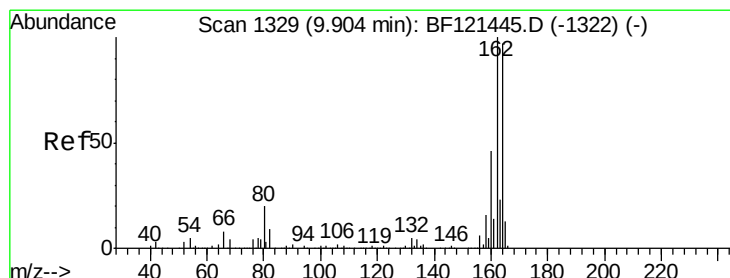
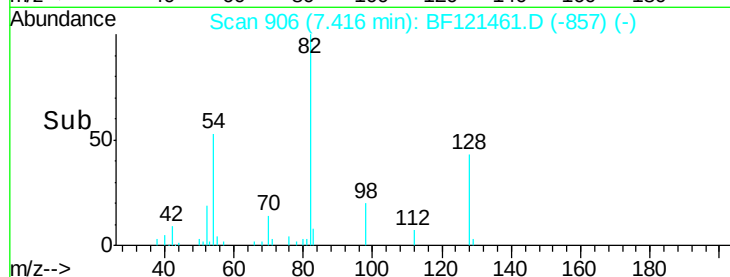
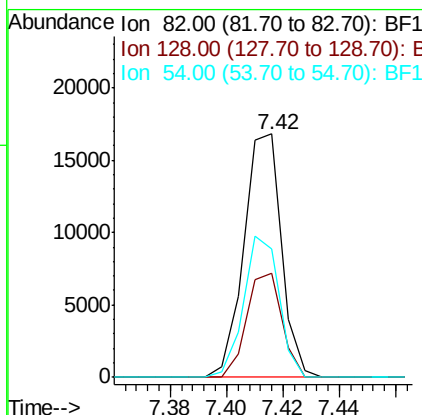
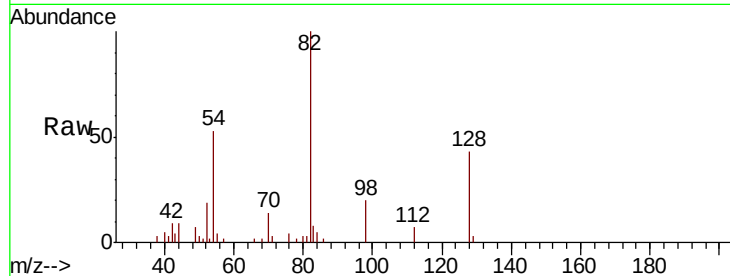




#23
 Nitrobenzene-d5
 Concen: 0.938 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

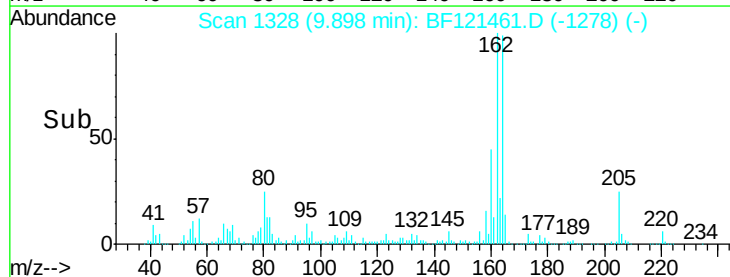
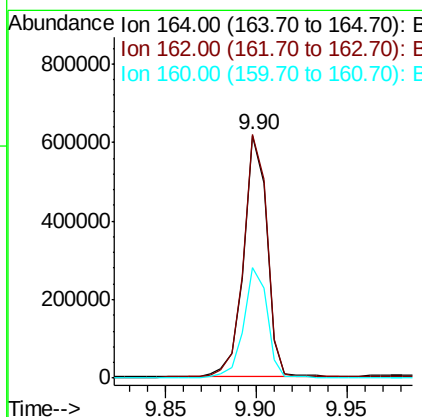
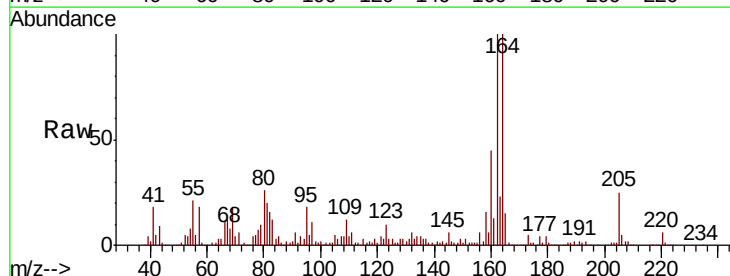
Instrument :
 BNA_F
 ClientSampleId :
 OIL-1

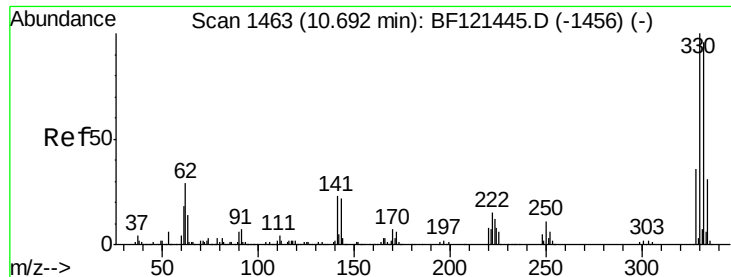
Tot Ion	82	Resp	15559
Ion Ratio	Lower	Upper	
82	100		
128	42.9	34.1	51.1
54	52.6	41.0	61.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

Tgt Ion	164	Resp	544868
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
164	100		
162	100.2	82.4	123.6
160	45.4	37.6	56.4

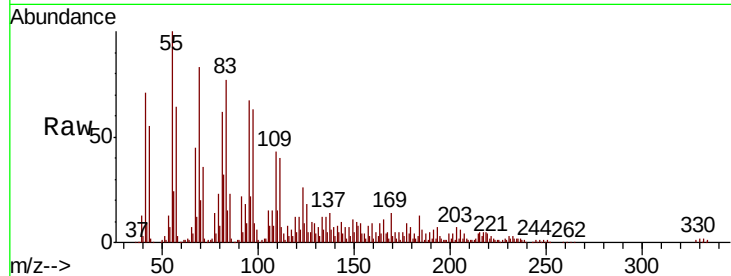




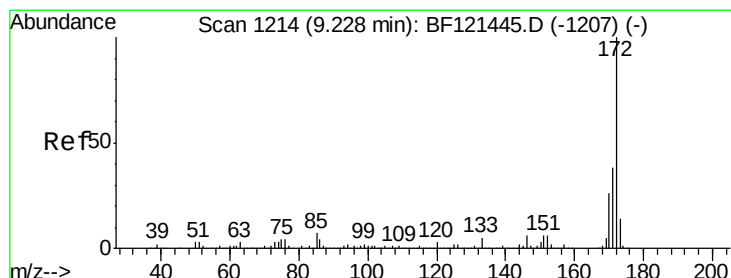
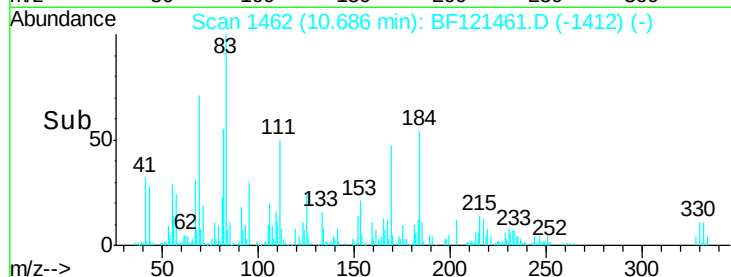
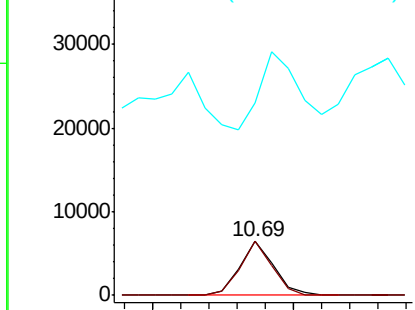
#42
 2,4,6-Tribromophenol
 Concen: 0.970 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

Instrument :
 BNA_F
 ClientSampled :
 OIL-1

Tot Ion:330 Resp: 5341
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.2 114.2
 141 168.9 24.6 36.8#

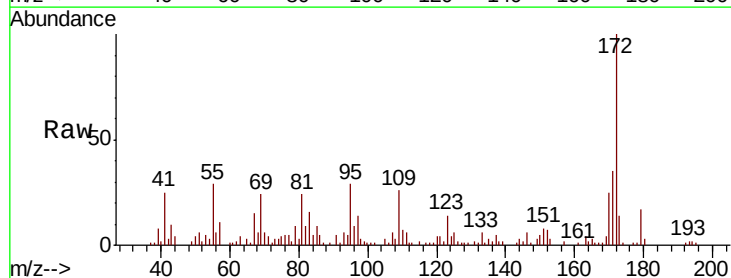


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

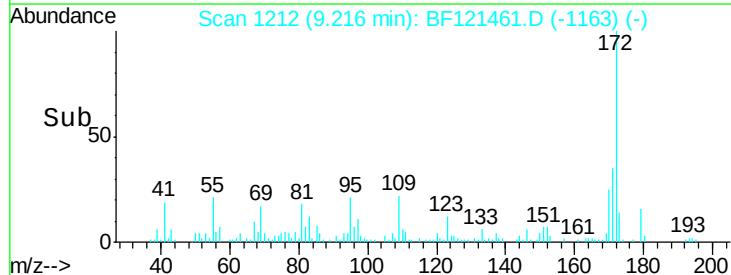
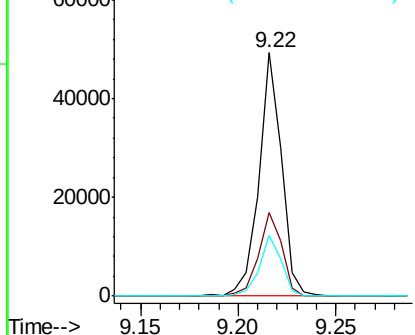


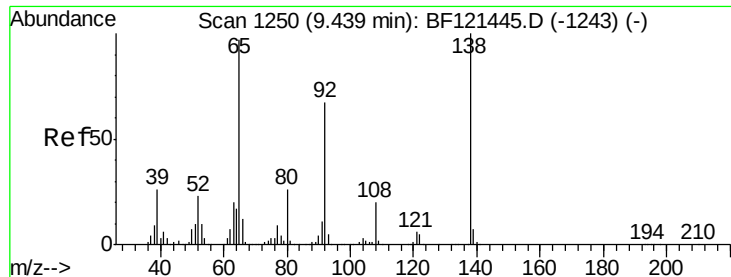
#45
 2-Fluorobiphenyl
 Concen: 1.167 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

Tgt Ion:172 Resp: 39418
 Ion Ratio Lower Upper
 172 100
 171 34.5 30.6 45.8
 170 24.7 20.6 31.0



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

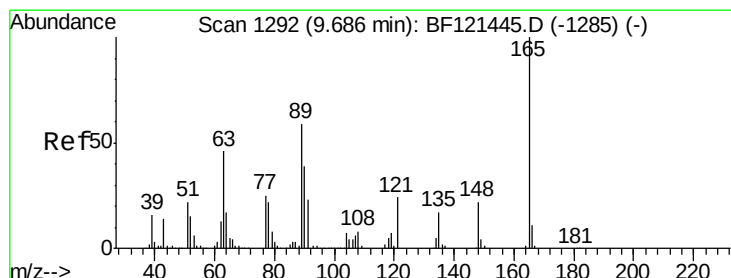
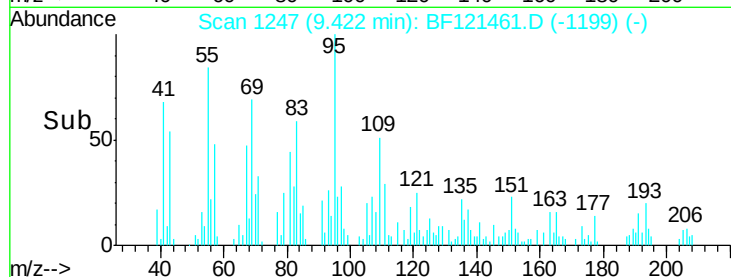
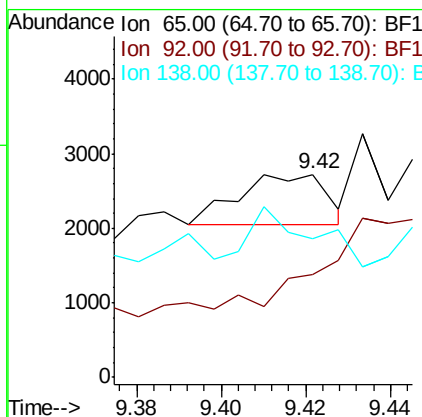
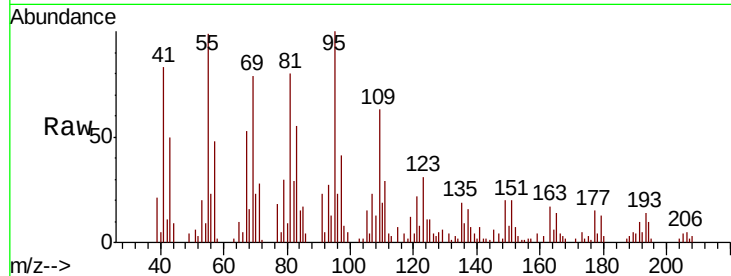




#48
2-Nitroaniline
Concen: 6.735 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

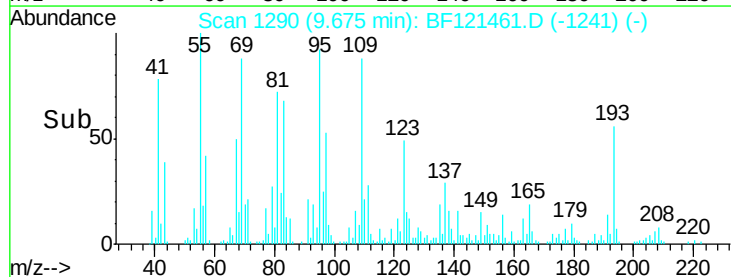
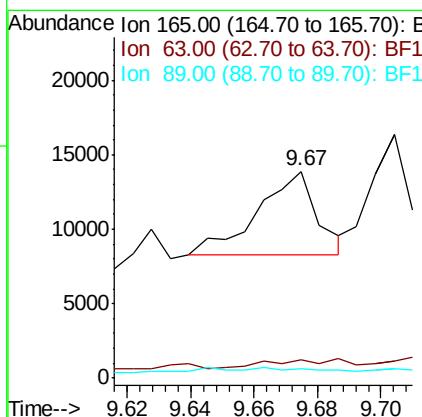
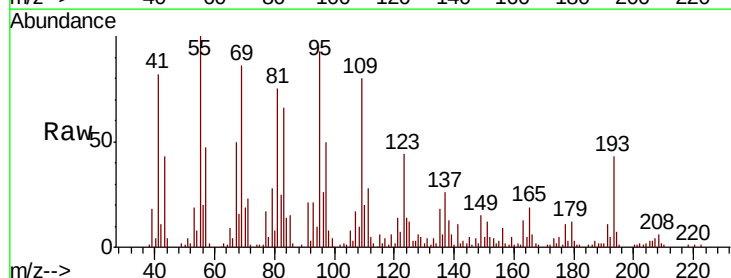
Instrument :
BNA_F
ClientSampled :
OIL-1

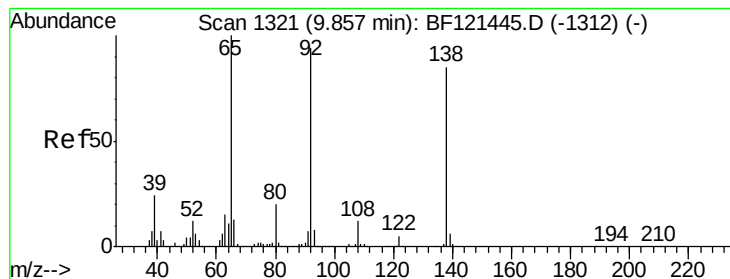
Tot Ion: 65 Resp: 958
Ion Ratio Lower Upper
65 100
92 50.7 55.6 83.4#
138 68.1 82.9 124.3#



#51
2,6-Dinitrotoluene
Concen: 7.310 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

Tgt Ion: 165 Resp: 7214
Ion Ratio Lower Upper
165 100
63 8.8 43.6 65.4#
89 4.6 47.4 71.2#





#53

3-Nitroaniline

Concen: 6.548 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

Instrument :

BNA_F

ClientSampleId :

OIL-1

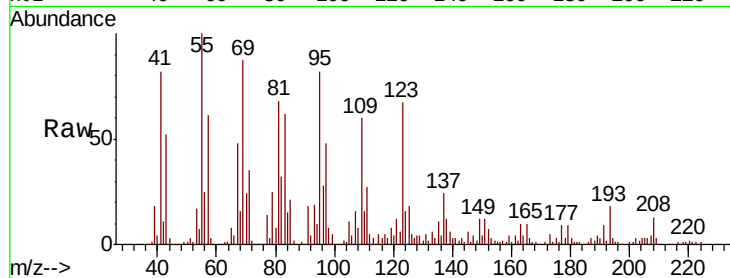
Tot Ion:138 Resp: 11055

Ion Ratio Lower Upper

138 100

108 64.2 11.6 17.4#

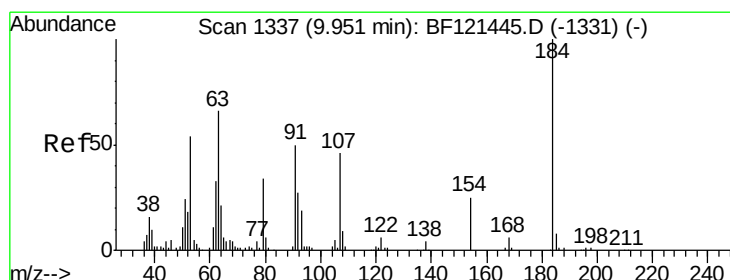
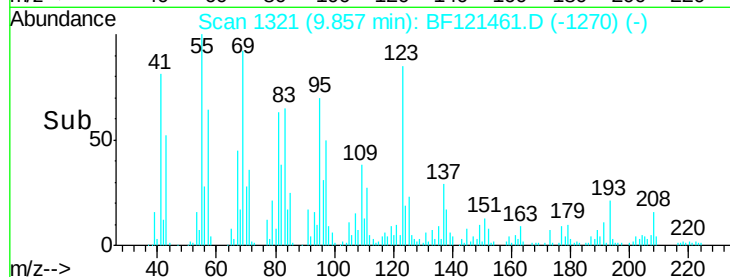
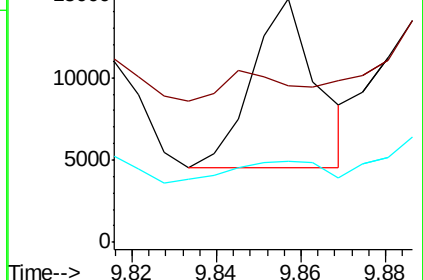
92 33.5 88.6 132.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 3.277 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.15 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

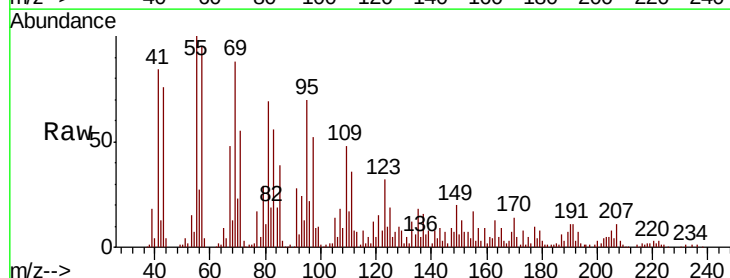
Tgt Ion:184 Resp: 2034

Ion Ratio Lower Upper

184 100

63 144.5 56.8 85.2#

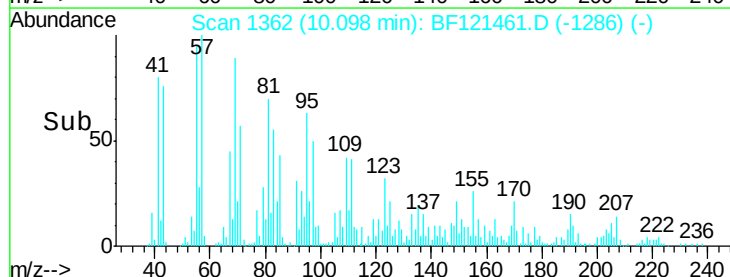
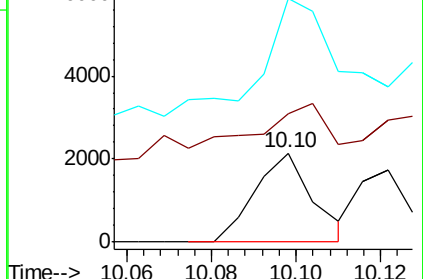
154 272.7 55.9 83.9#

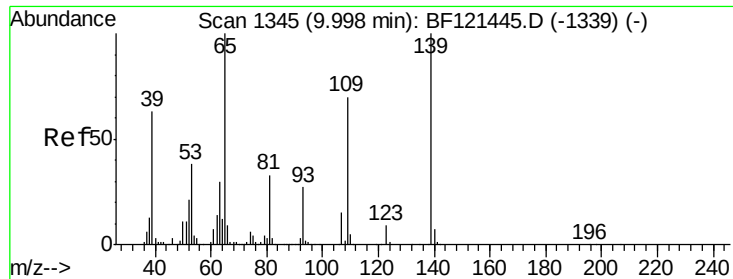


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

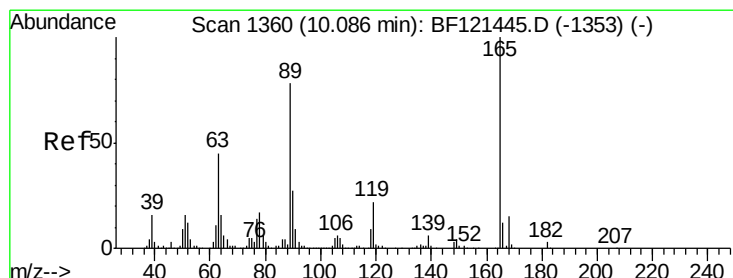
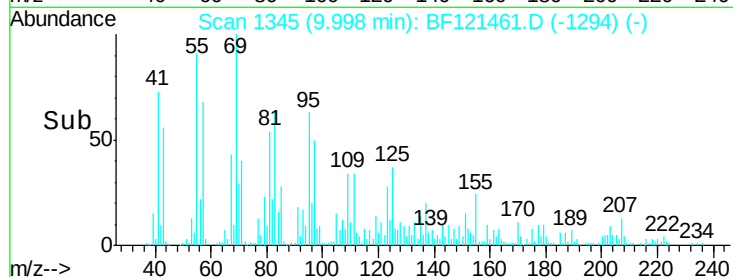
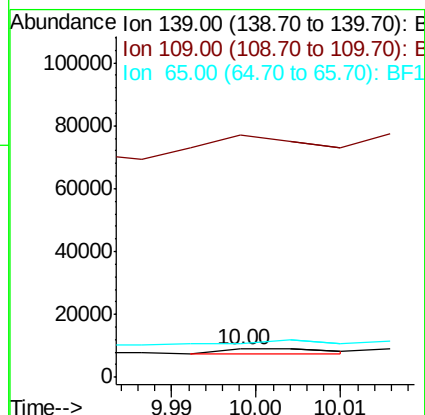
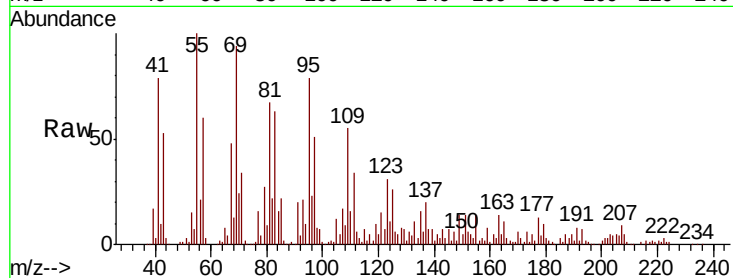




#56
4-Nitrophenol
Concen: 8.055 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

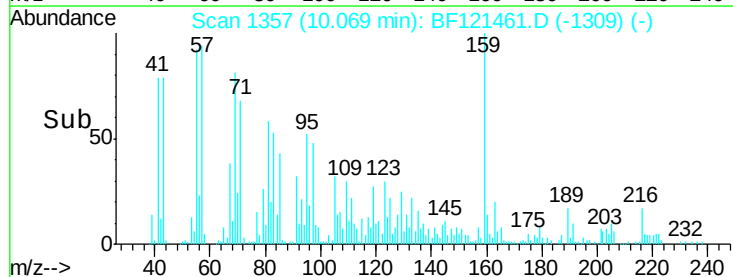
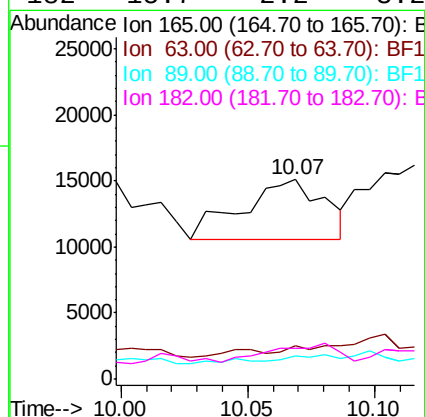
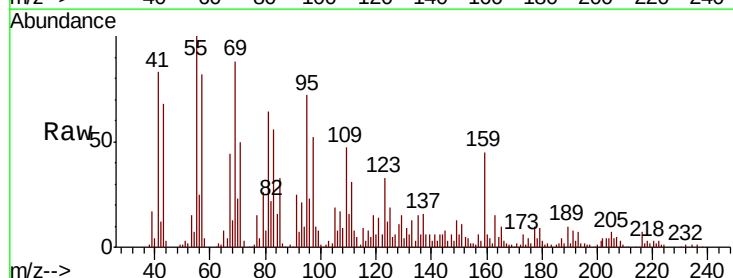
Instrument :
BNA_F
ClientSampled :
OIL-1

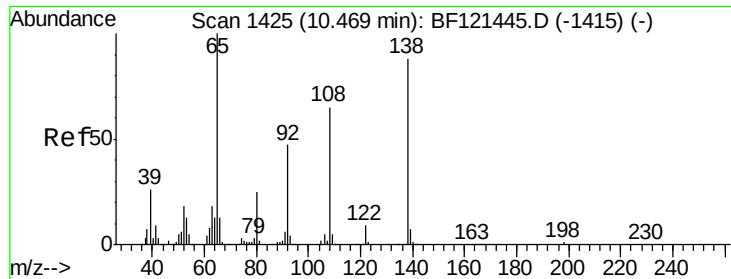
Tot Ion:139 Resp: 1595
Ion Ratio Lower Upper
139 100
109 851.6 50.5 90.5#
65 117.2 80.2 120.2



#57
2,4-Dinitrotoluene
Concen: 8.294 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.02 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

Tgt Ion:165 Resp: 10362
Ion Ratio Lower Upper
165 100
63 16.9 36.0 54.0#
89 11.8 62.6 93.8#
182 15.7 2.2 3.2#

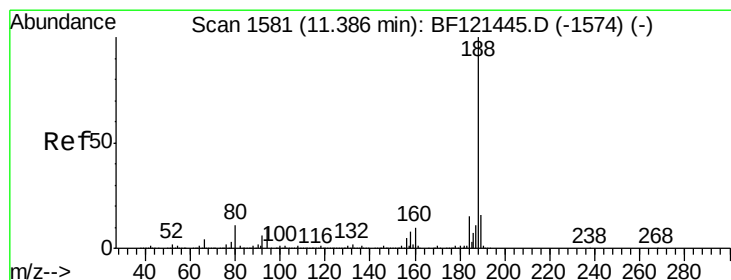
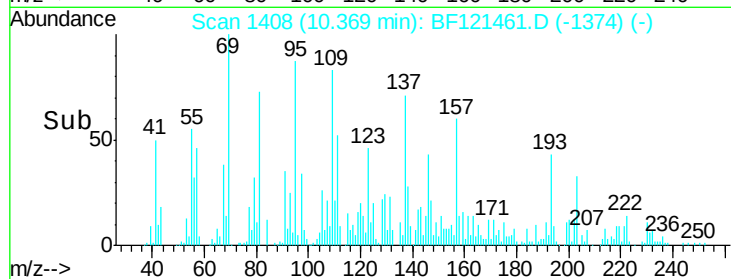
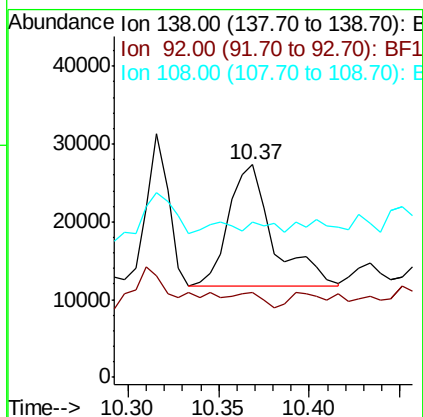
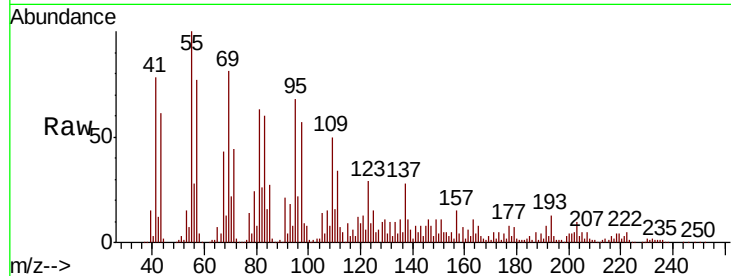




#62
4-Nitroaniline
Concen: 7.173 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.10 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

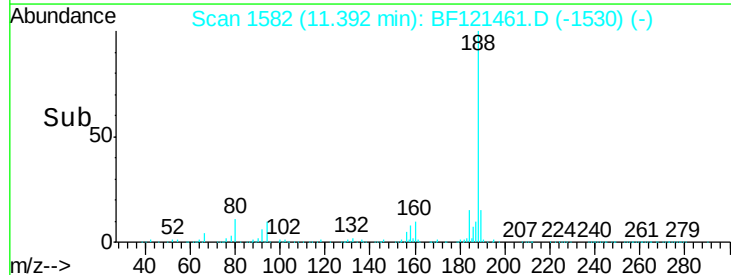
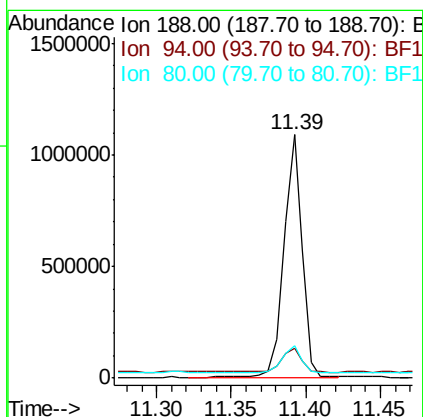
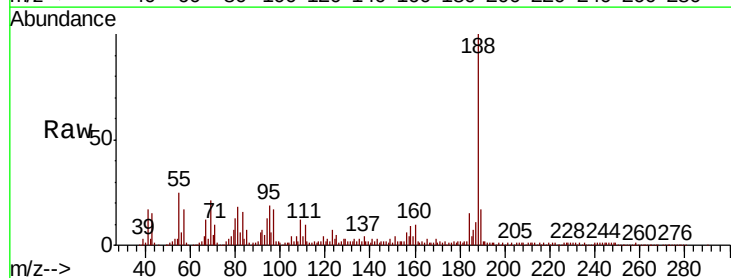
Instrument :
BNA_F
ClientSampleId :
OIL-1

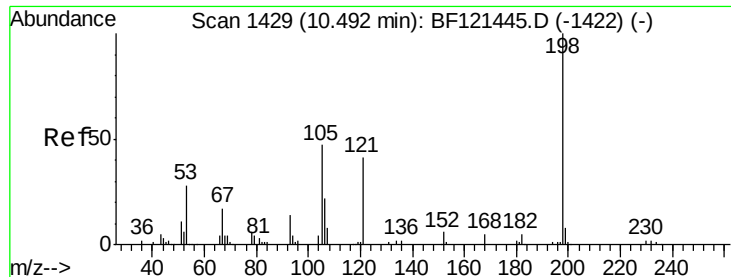
Tot Ion:138 Resp: 26645
Ion Ratio Lower Upper
138 100
92 39.8 33.2 73.2
108 73.0 53.6 93.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF121461.D
Acq: 28 Aug 2020 15:54

Tgt Ion:188 Resp: 934470
Ion Ratio Lower Upper
188 100
94 12.5 8.3 12.5#
80 13.1 8.6 13.0#

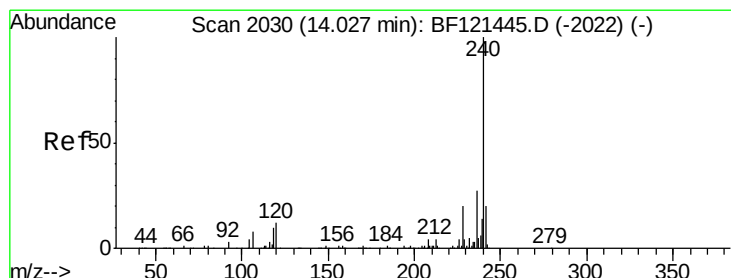
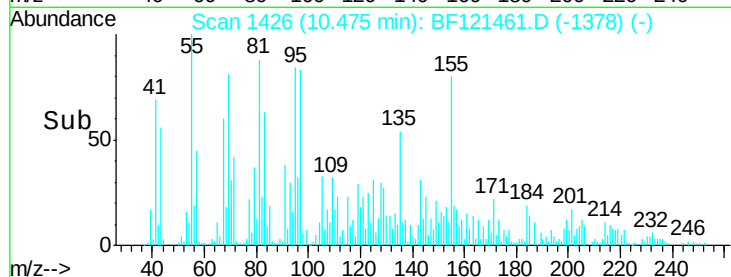
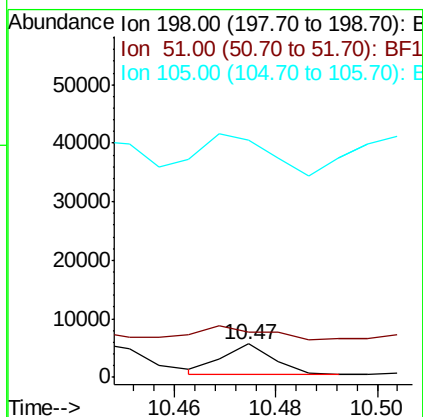
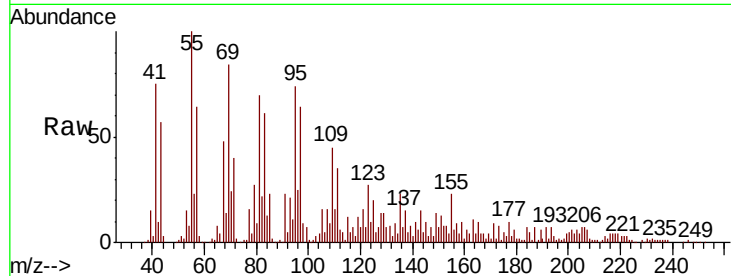




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.676 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

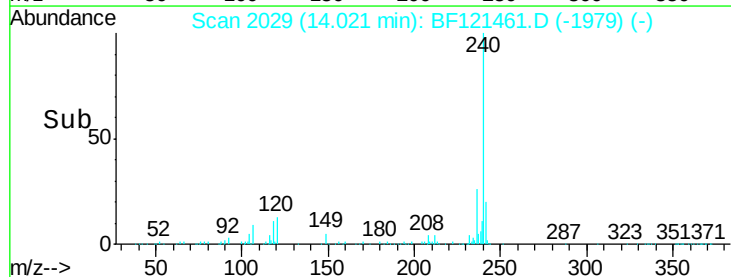
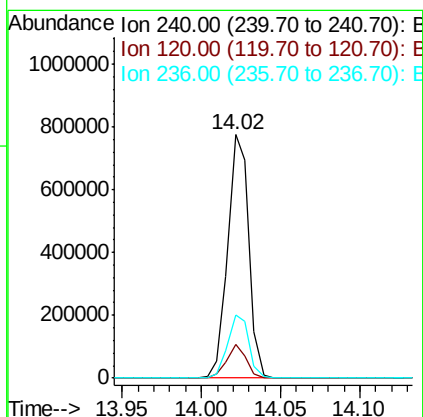
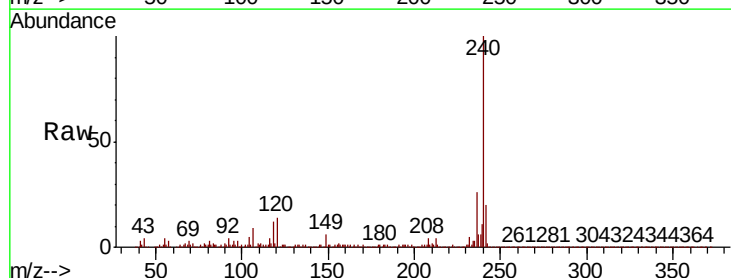
Instrument :
 BNA_F
 ClientSampleId :
 OIL-1

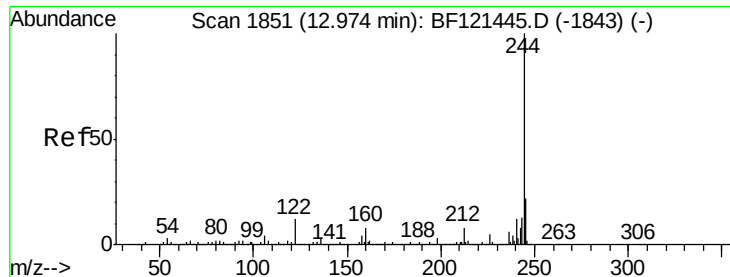
Tot Ion:198 Resp: 3624
 Ion Ratio Lower Upper
 198 100
 51 136.8 29.0 69.0#
 105 712.2 29.1 69.1#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF121461.D
 Acq: 28 Aug 2020 15:54

Tgt Ion:240 Resp: 710640
 Ion Ratio Lower Upper
 240 100
 120 13.8 9.5 14.3
 236 26.1 21.8 32.6





#79

Terphenyl-d14

Concen: 1.143 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

Instrument :

BNA_F

ClientSampleId :

OIL-1

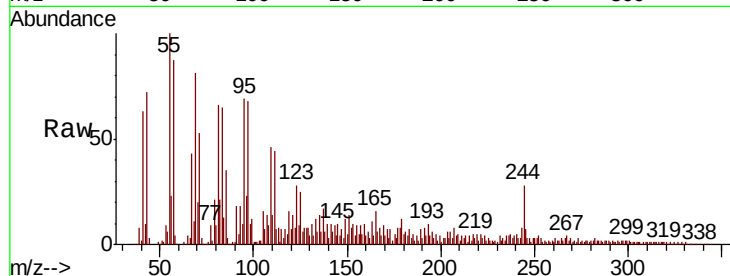
Tot Ion:244 Resp: 38593

Ion Ratio Lower Upper

244 100

212 12.1 6.3 9.5#

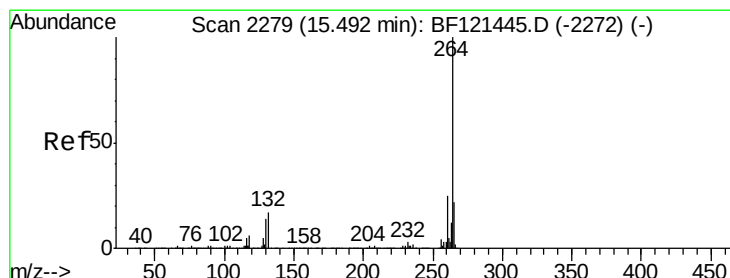
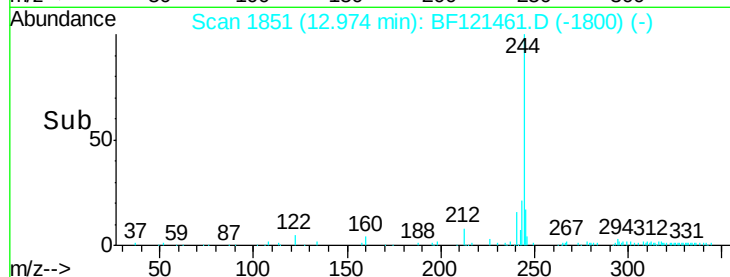
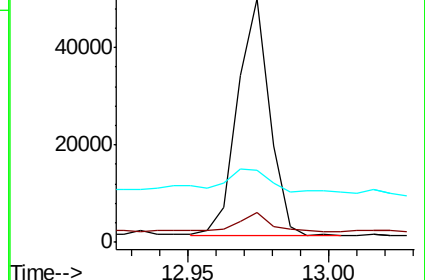
122 29.5 9.5 14.3#



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: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF121461.D

Acq: 28 Aug 2020 15:54

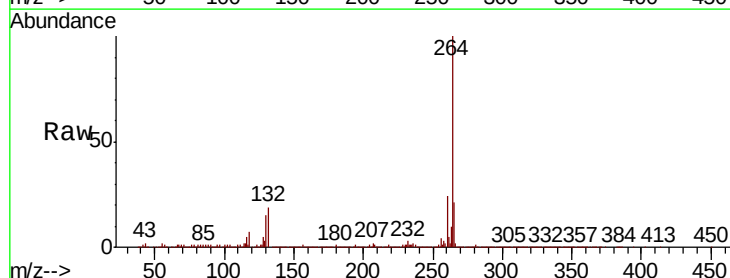
Tgt Ion:264 Resp: 658323

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 20.9 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

