

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113079.D
 Acq On : 15 Mar 2019 21:33
 Operator : JU/SJ
 Sample : K1924-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE-A

Quant Time: Mar 15 22:56:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

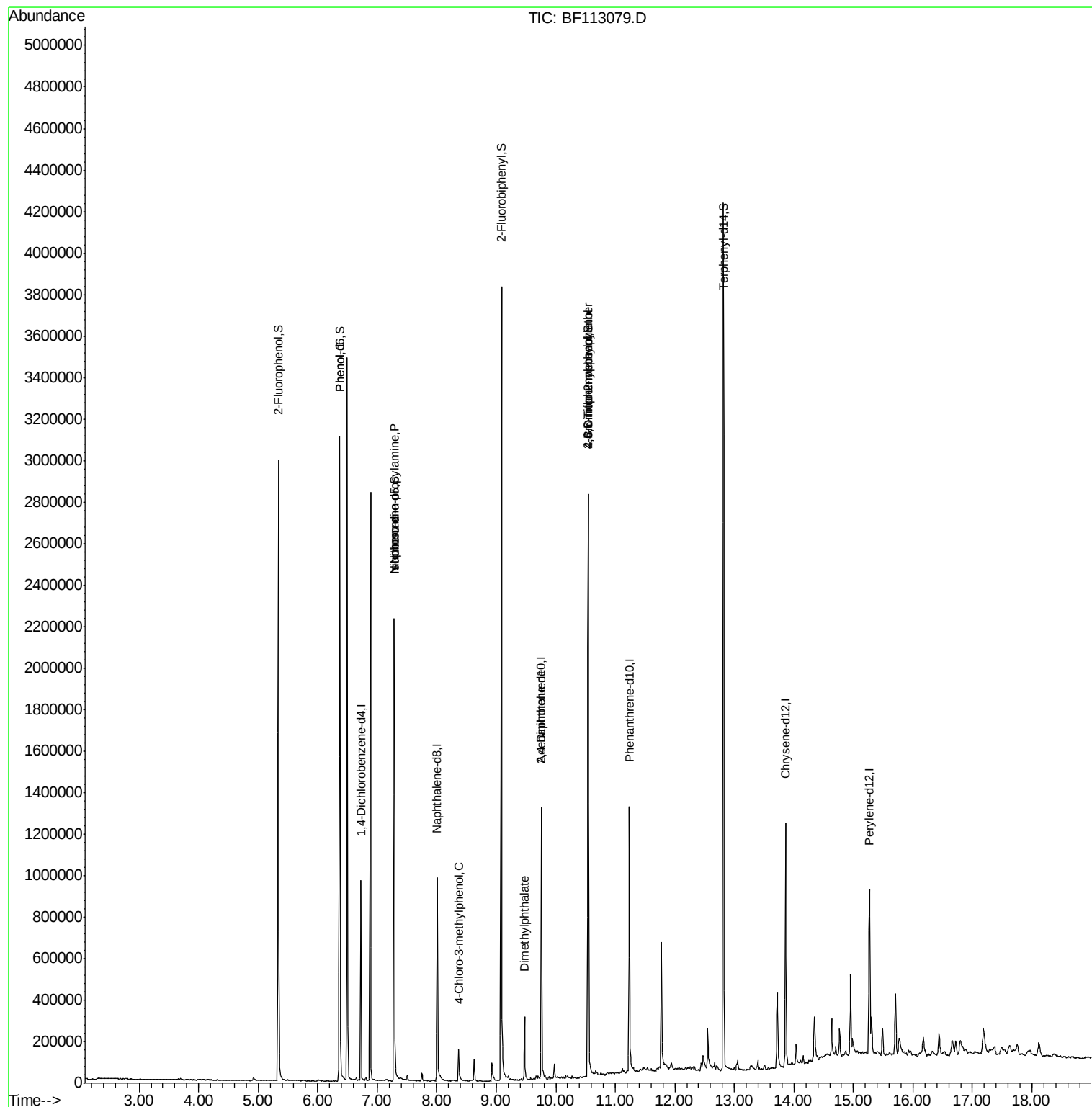
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140107	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	526877	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	264531	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	522298	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	421131	20.00	ng	0.00
87) Perylene-d12	15.27	264	412105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	969885	107.68	ng	0.00
7) Phenol-d6	6.37	99	1159641	102.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	723605	82.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	396095	141.04	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1388866	87.74	ng	0.00
79) Terphenyl-d14	12.82	244	1515440	69.76	ng	0.00
Target Compounds						
10) Phenol	6.38	94	33749	2.556	ng	79
19) n-Nitroso-di-n-propylamine	7.29	70	95039	13.263	ng	# 77
25) Isophorone	7.29	82	716329	37.763	ng	# 66
36) 4-Chloro-3-methylphenol	8.37	107	59224	7.271	ng	# 20
50) Dimethylphthalate	9.47	163	122107	6.260	ng	99
57) 2,4-Dinitrotoluene	9.76	165	33802	6.695	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	567	4.852	ng	# 65
67) 4-Bromophenyl-phenylether	10.55	248	22436	4.078	ng	# 1

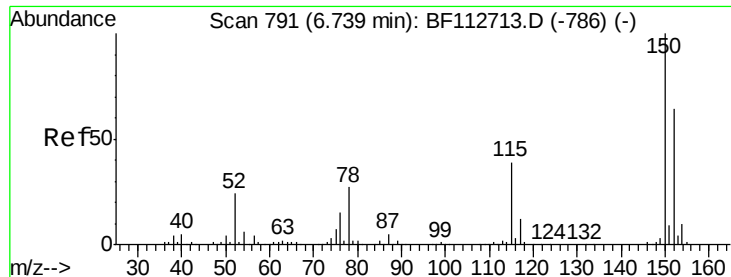
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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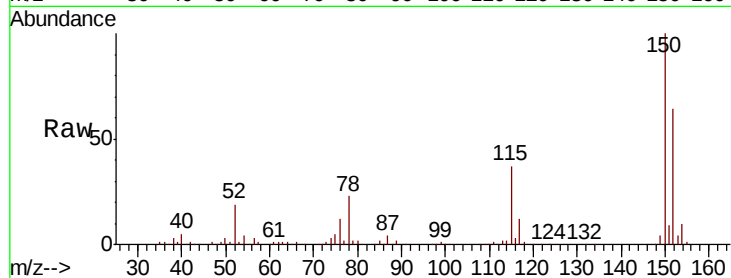


#1

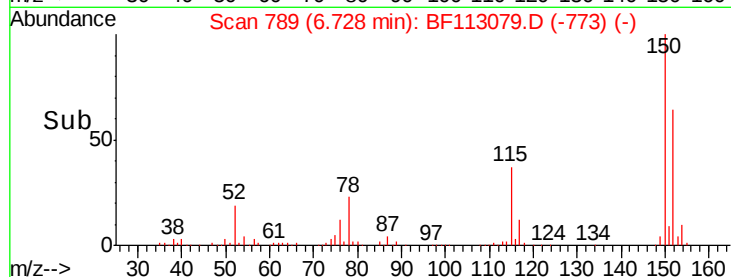
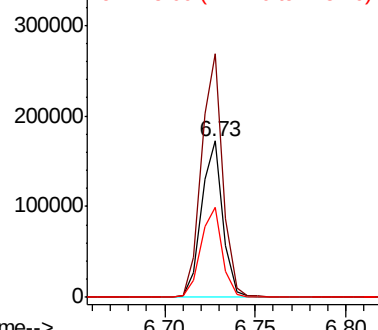
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE-A

Tgt Ion:152 Resp: 140107
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.2 186.2
 115 57.5 48.2 72.4



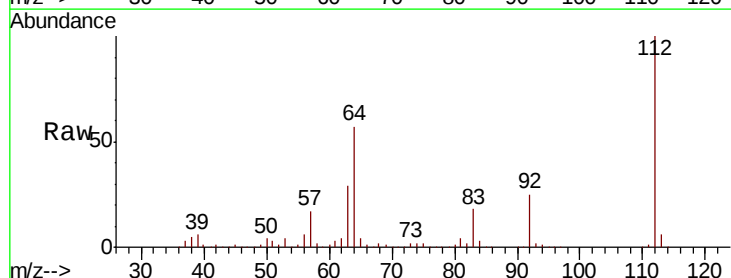
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



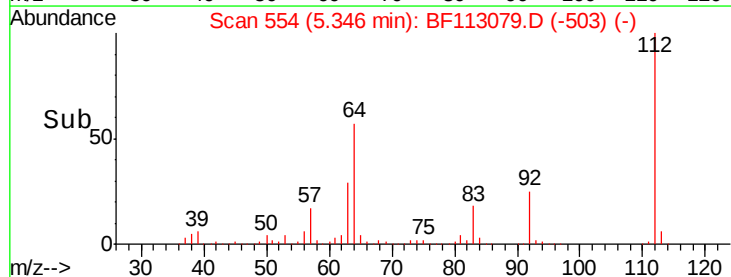
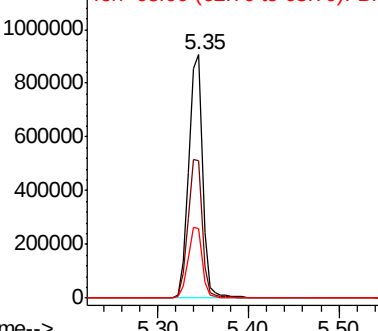
#5

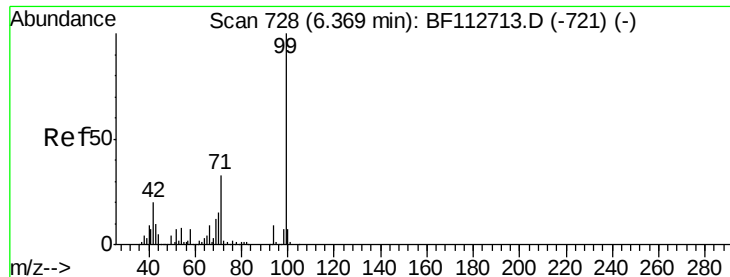
2-Fluorophenol
 Concen: 107.682 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Tgt Ion:112 Resp: 969885
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.6 71.4
 63 28.8 24.4 36.6



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: 102.494 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE-A

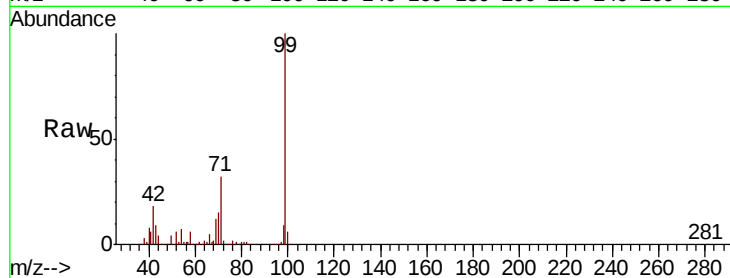
Tgt Ion: 99 Resp: 1159641

Ion Ratio Lower Upper

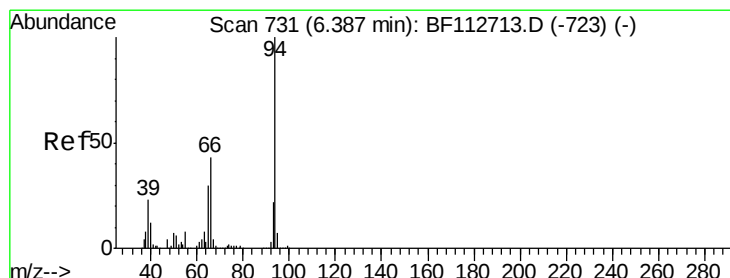
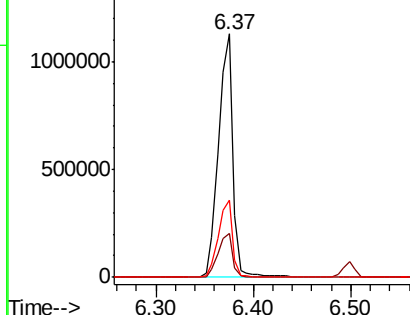
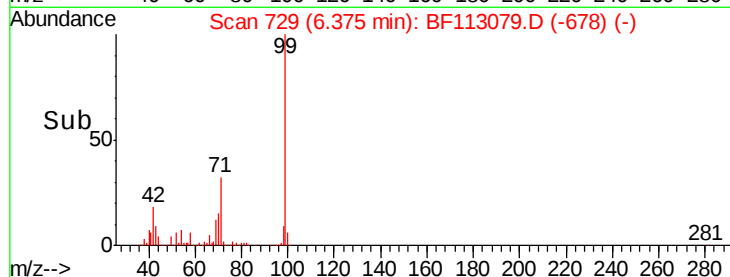
99 100

42 18.0 16.3 24.5

71 31.8 26.2 39.4



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



#10

Phenol

Concen: 2.556 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

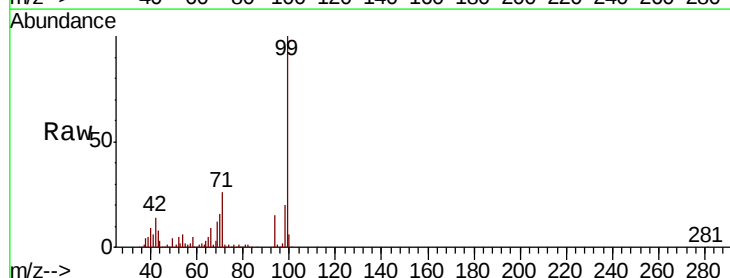
Tgt Ion: 94 Resp: 33749

Ion Ratio Lower Upper

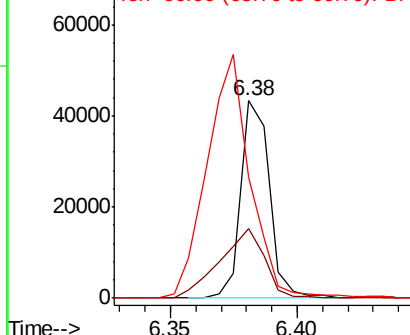
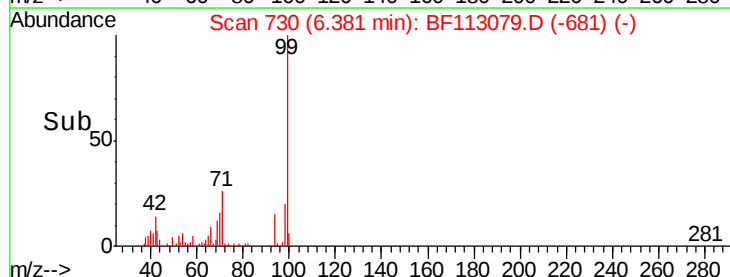
94 100

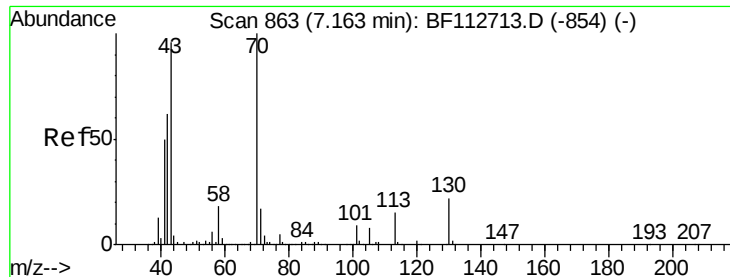
65 35.4 10.5 50.5

66 61.6 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

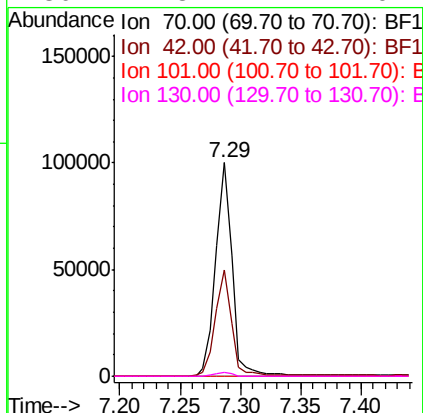
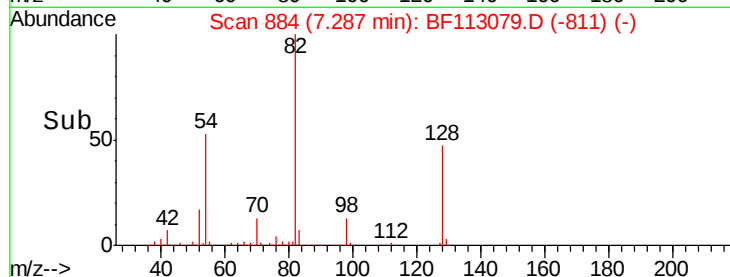
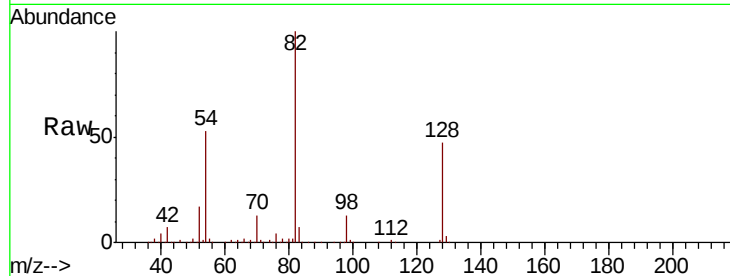




#19
n-Nitroso-di-n-propylamine
Concen: 13.263 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

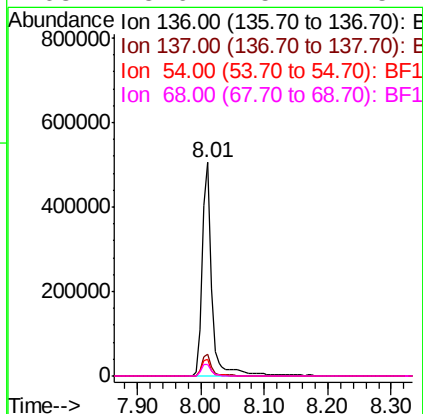
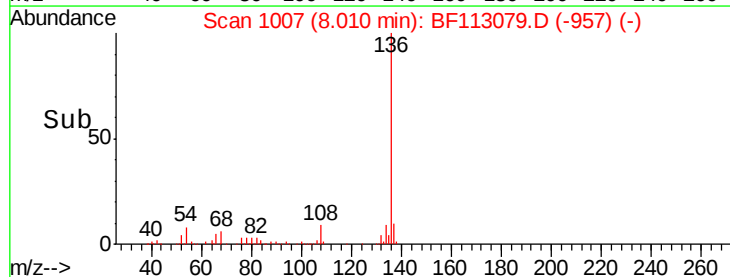
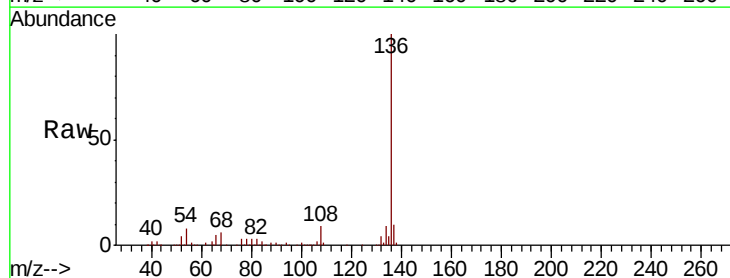
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-A

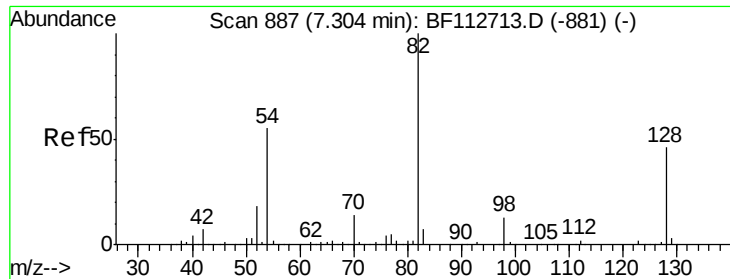
Tgt Ion: 70 Resp: 95039
Ion Ratio Lower Upper
70 100
42 49.6 49.9 74.9#
101 0.0 7.4 11.2#
130 1.8 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

Tgt Ion: 136 Resp: 526877
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.5 7.3 10.9
68 5.6 5.4 8.2

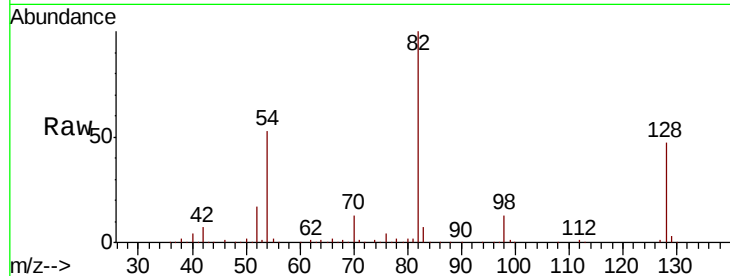




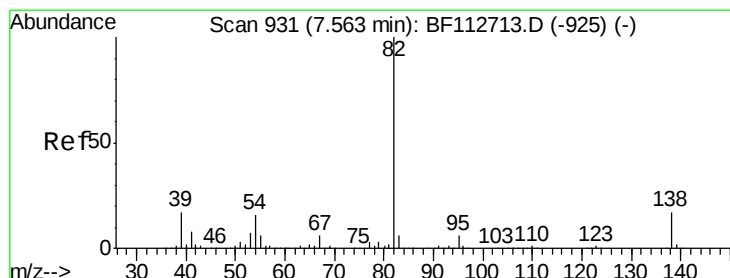
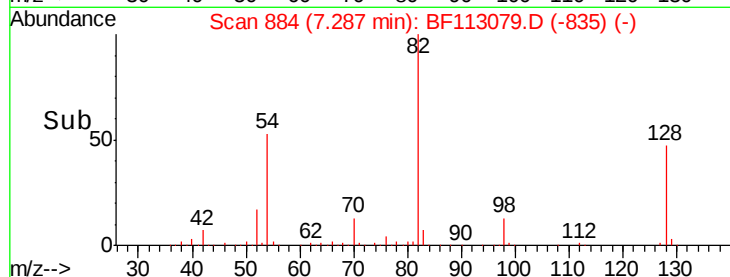
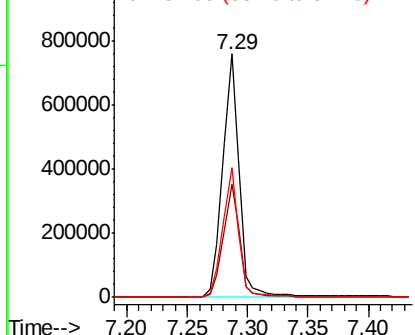
#23
Nitrobenzene-d5
Concen: 82.181 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.3	54.5
54	53.1	43.7	65.5

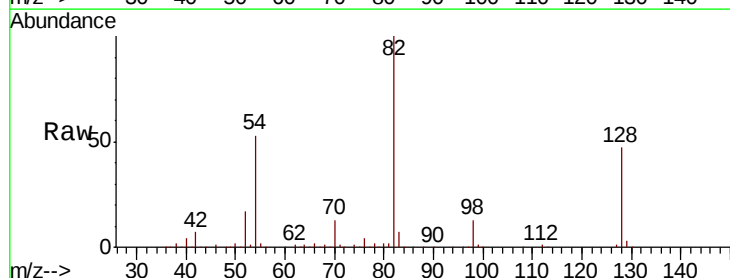


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

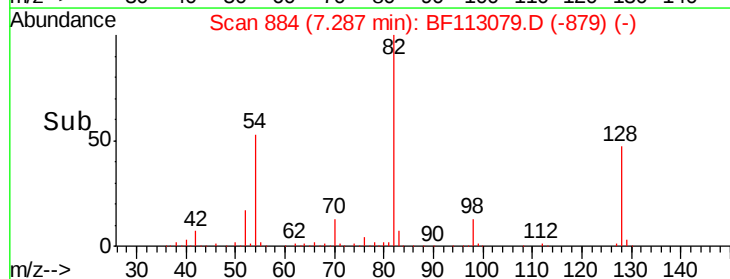
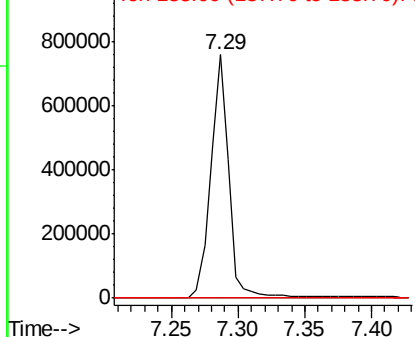


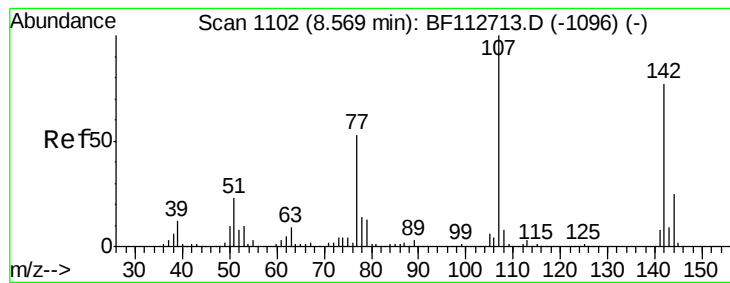
#25
Isophorone
Concen: 37.763 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#36

4-Chloro-3-methylphenol

Concen: 7.271 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.21 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE-A

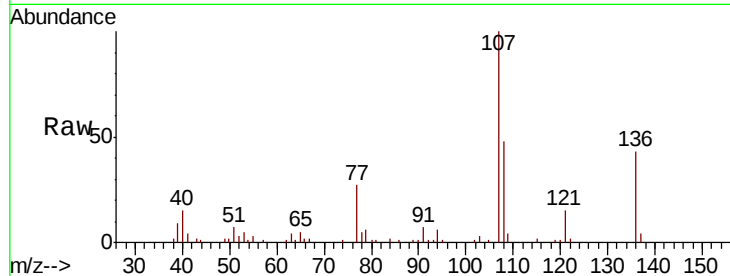
Tgt Ion:107 Resp: 59224

Ion Ratio Lower Upper

107 100

144 0.0 20.1 30.1#

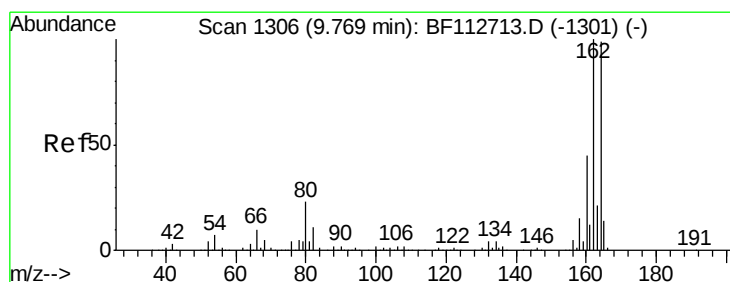
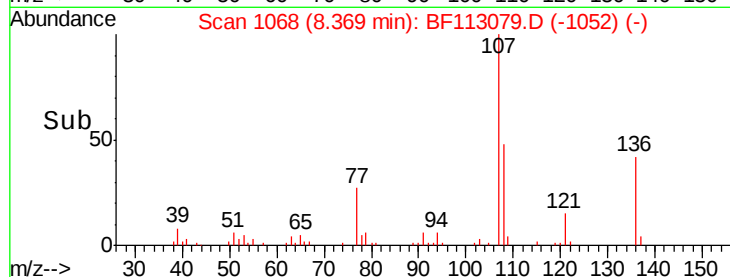
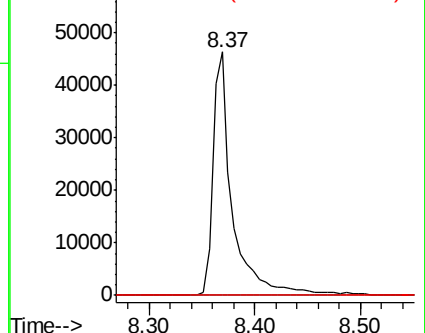
142 0.0 61.9 92.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

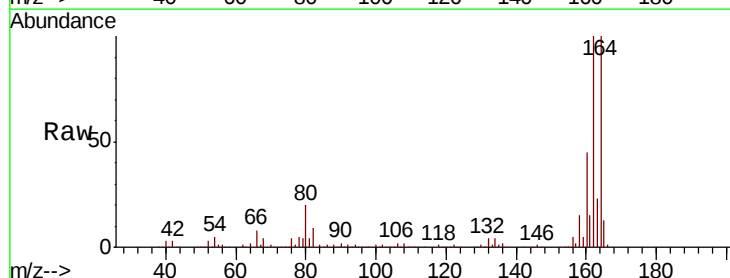
Tgt Ion:164 Resp: 264531

Ion Ratio Lower Upper

164 100

162 100.1 80.6 120.8

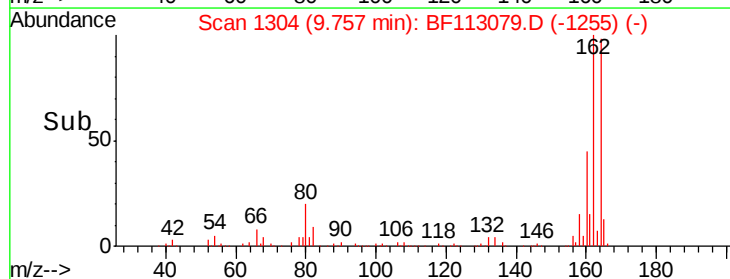
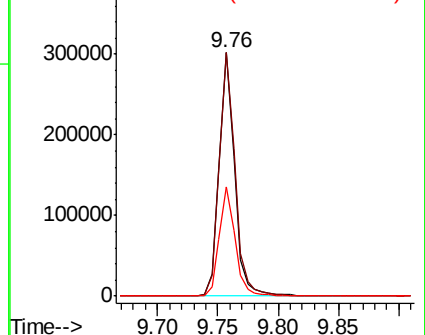
160 45.0 36.0 54.0

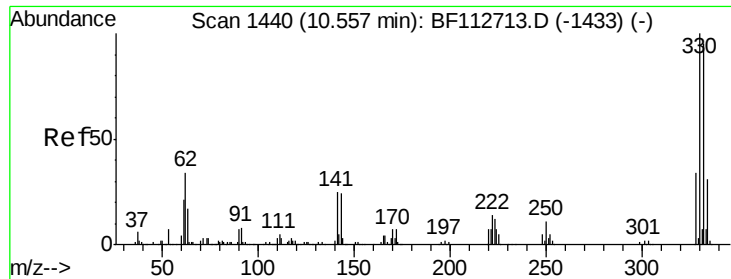


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

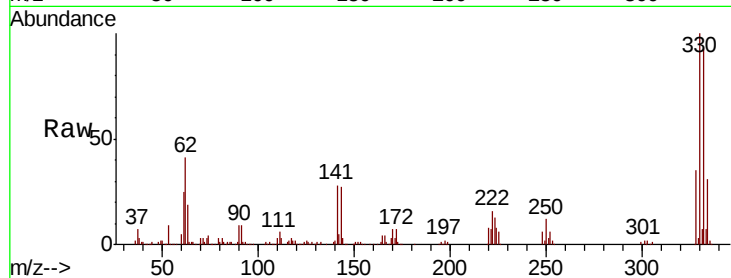




#42
 2,4,6-Tribromophenol
 Concen: 141.043 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.2	114.4
141	27.8	27.0	40.6

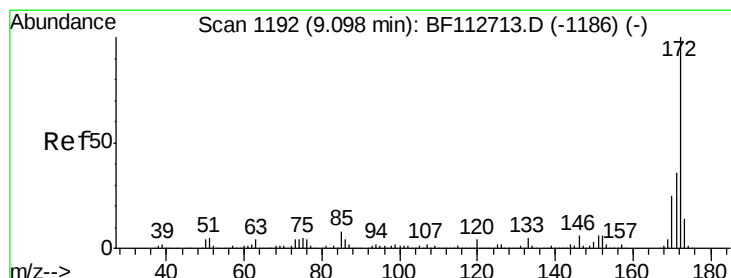
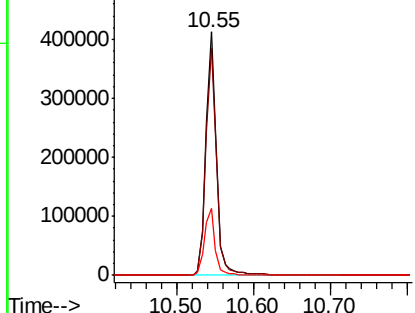
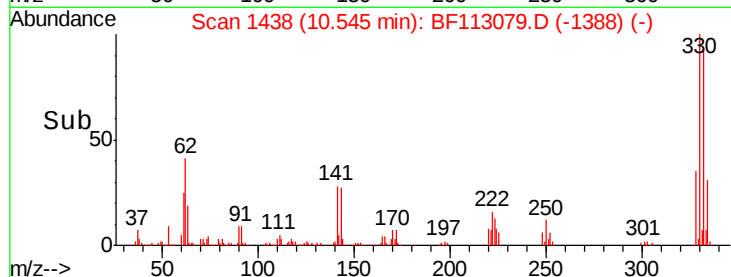


Abundance

Ion 329.80 (329.50 to 330.50): E

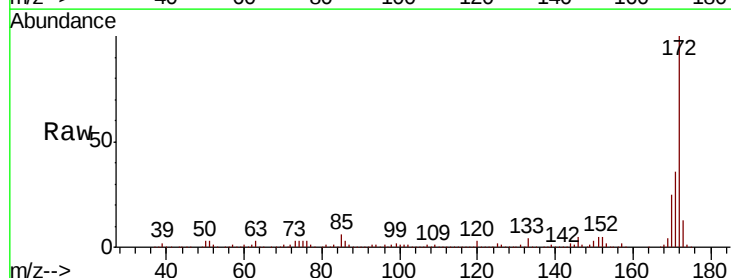
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.736 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	24.5	20.0	30.0

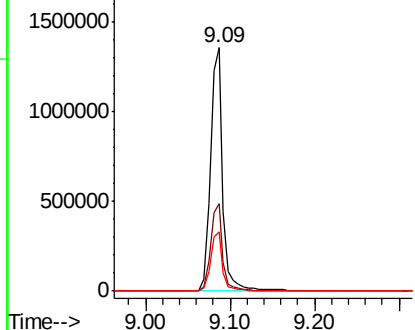
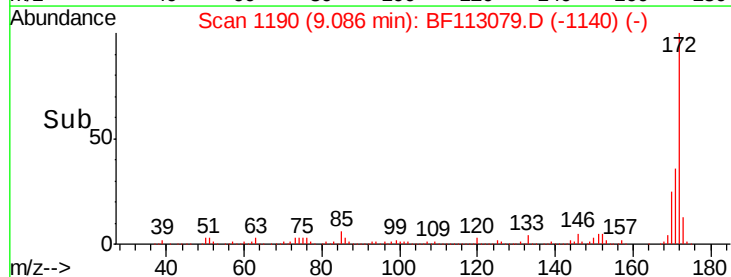


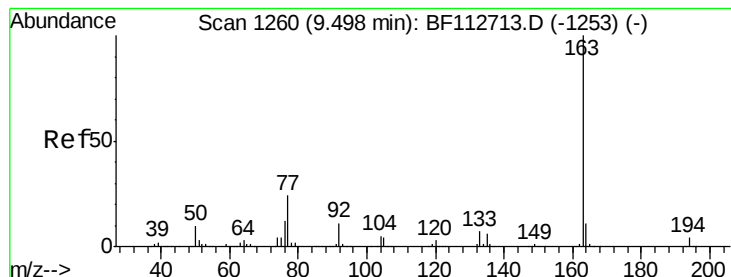
Abundance

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





#50

Dimethylphthalate

Concen: 6.260 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

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ClientSampleId :

NB-SOIL-PILE-A

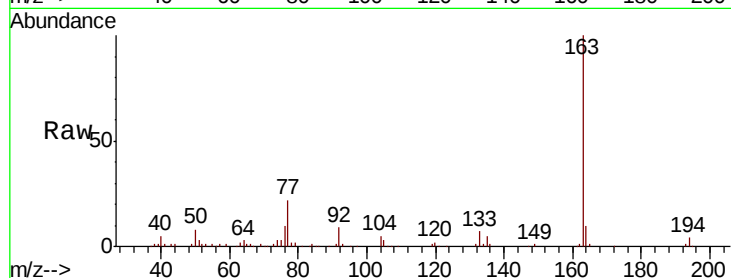
Tgt Ion:163 Resp: 122107

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

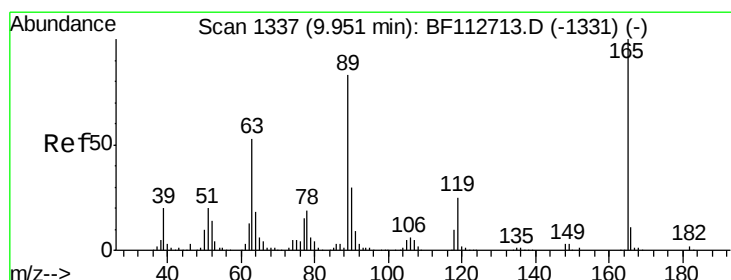
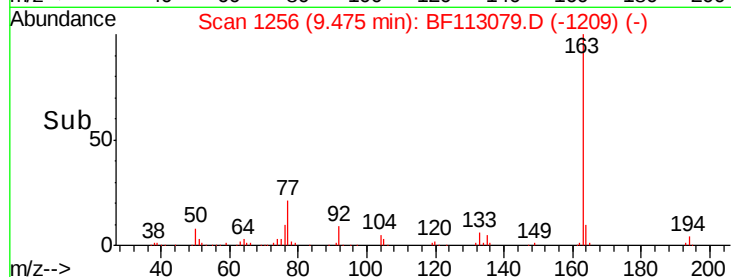
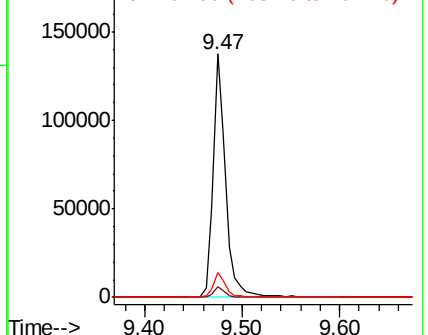
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.695 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

Tgt Ion:165 Resp: 33802

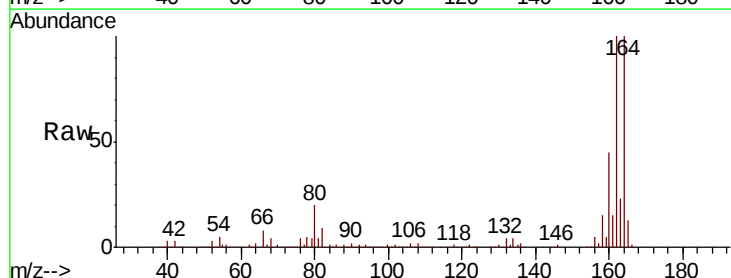
Ion Ratio Lower Upper

165 100

63 1.6 42.2 63.2#

89 1.0 66.2 99.4#

182 0.0 1.8 2.6#

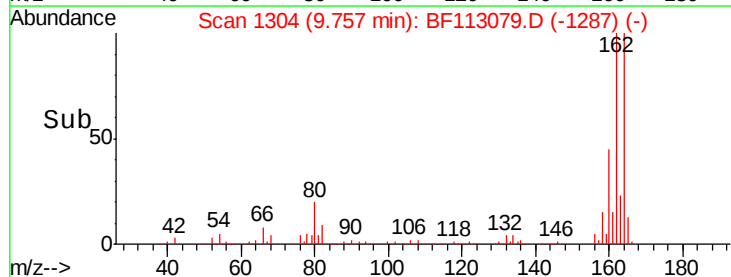
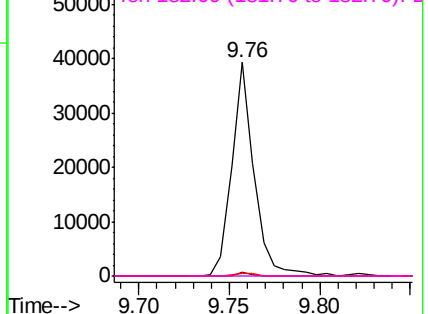


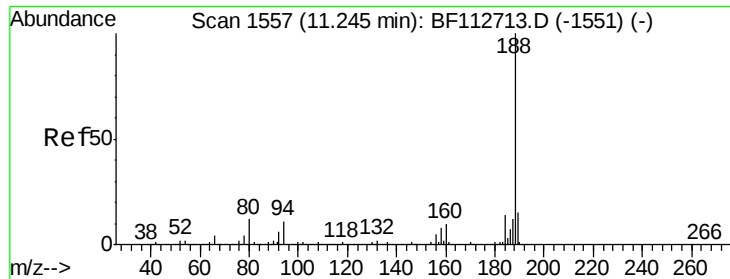
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE-A

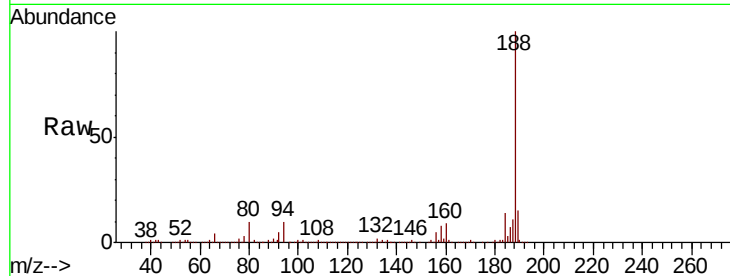
Tgt Ion:188 Resp: 522298

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.4

80 10.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

600000

400000

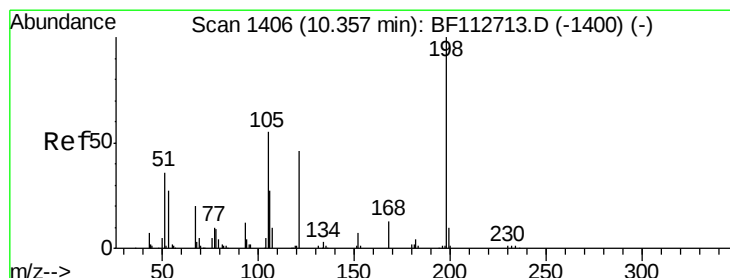
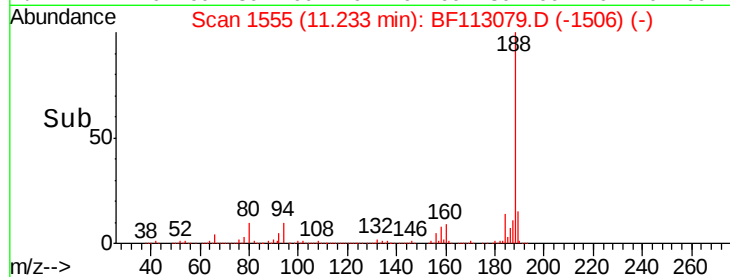
200000

0

11.23

11.20 11.30 11.40

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.852 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF113079.D

Acq: 15 Mar 2019 21:33

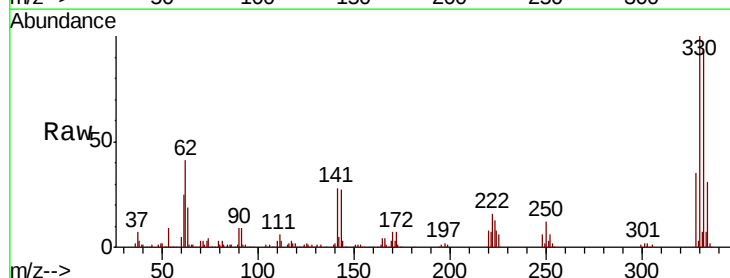
Tgt Ion:198 Resp: 567

Ion Ratio Lower Upper

198 100

51 32.0 43.8 83.8#

105 36.2 36.5 76.5#



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

2000

1500

1000

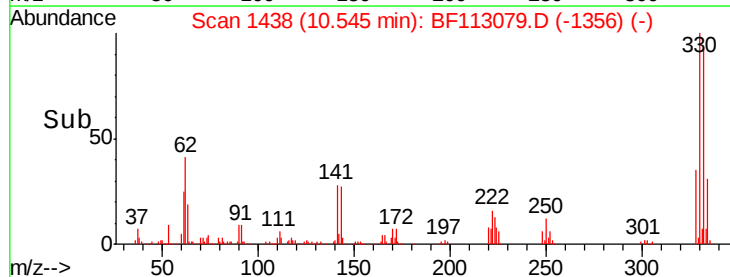
500

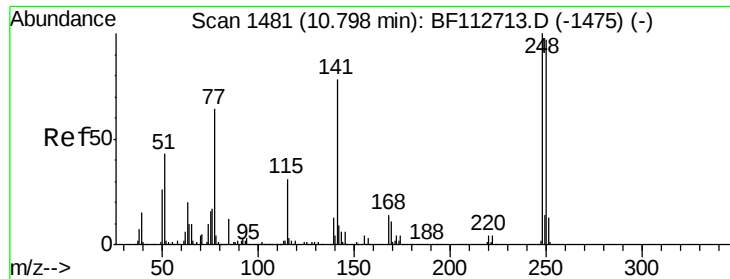
0

10.55

10.52 10.54 10.56

Time-->

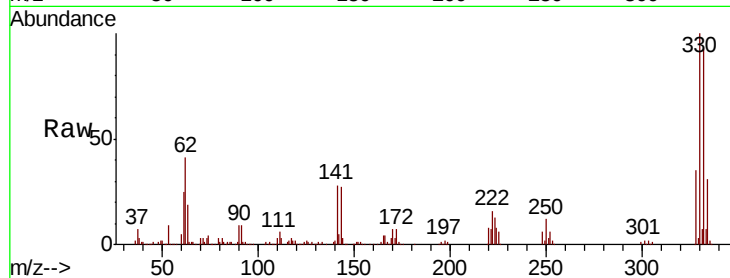




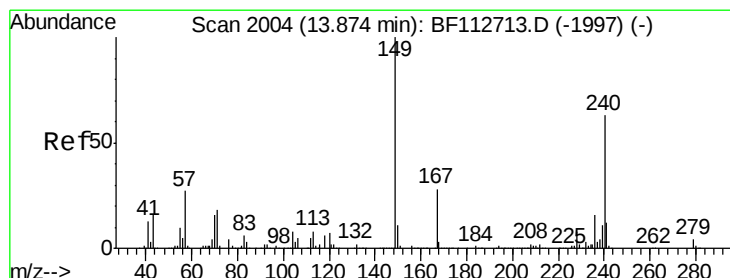
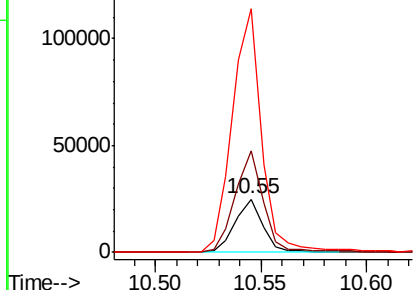
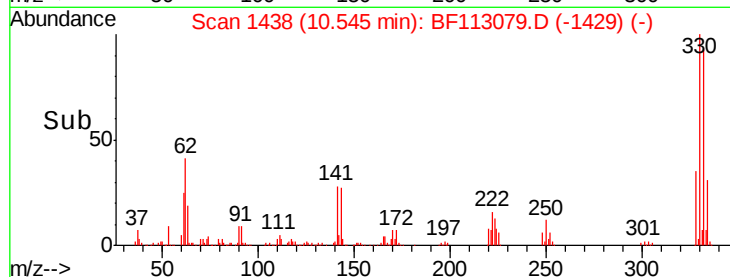
#67
4-Bromophenyl-phenylether
Concen: 4.078 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-A

Tgt Ion:248 Resp: 22436
Ion Ratio Lower Upper
248 100
250 191.1 77.5 116.3#
141 456.5 62.4 93.6#

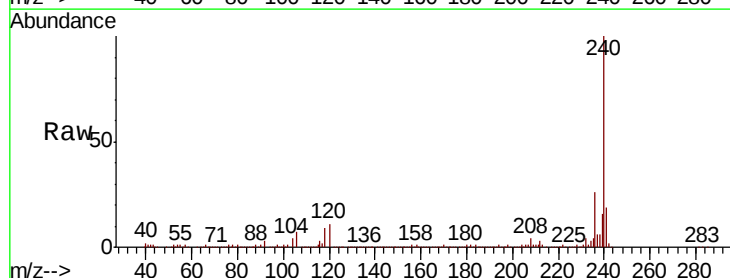


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

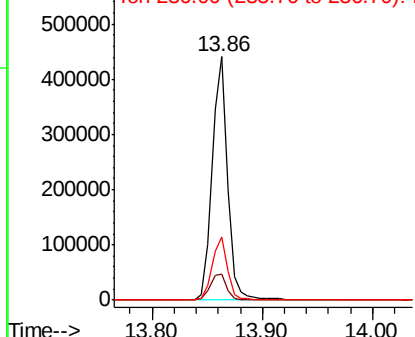
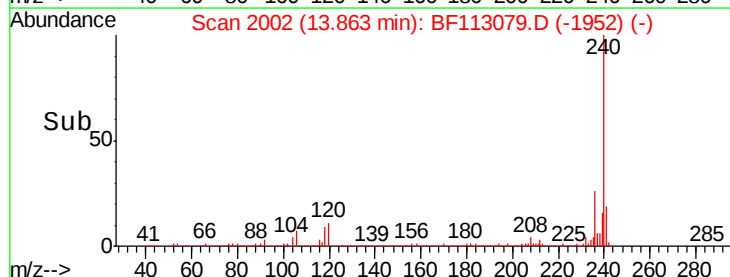


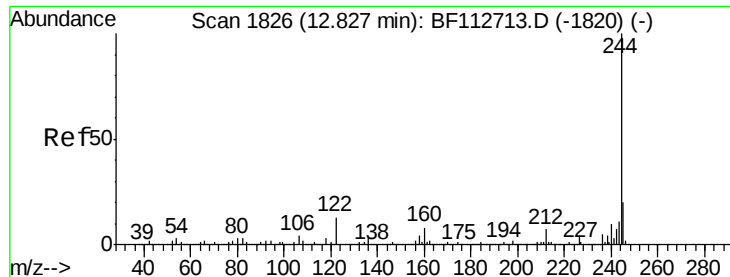
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113079.D
Acq: 15 Mar 2019 21:33

Tgt Ion:240 Resp: 421131
Ion Ratio Lower Upper
240 100
120 10.7 8.9 13.3
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

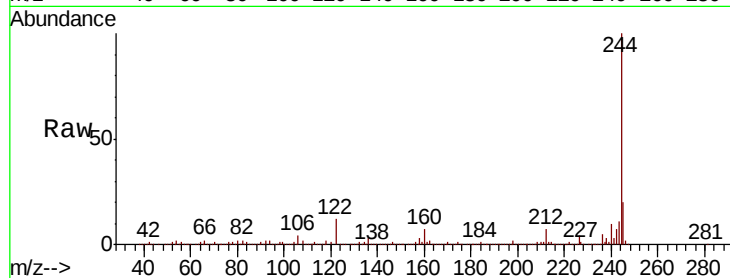




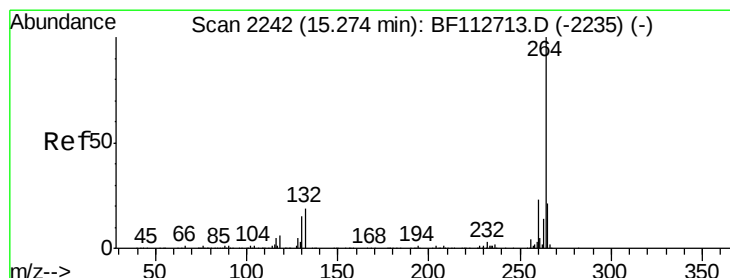
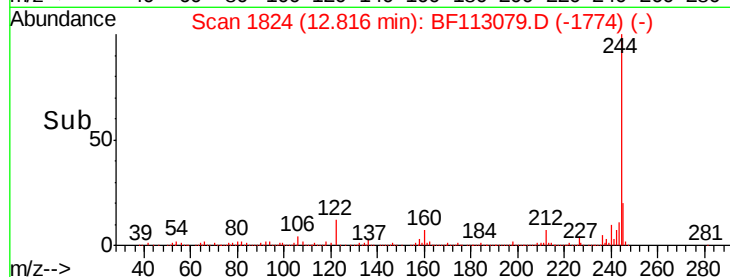
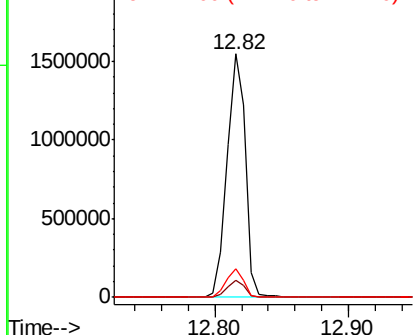
#79
 Terphenyl-d14
 Concen: 69.757 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE-A

Tgt Ion:244 Resp: 1515440
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.8 10.5 15.7

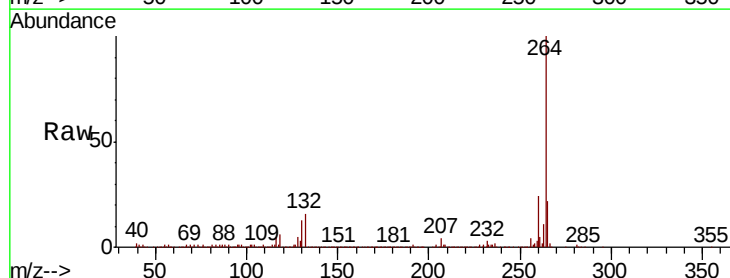


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113079.D
 Acq: 15 Mar 2019 21:33

Tgt Ion:264 Resp: 412105
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 21.6 17.2 25.8



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

