

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112275.D
 Acq On : 28 Jan 2019 15:30
 Operator : JU/SJ
 Sample : K1254-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Jan 28 16:32:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

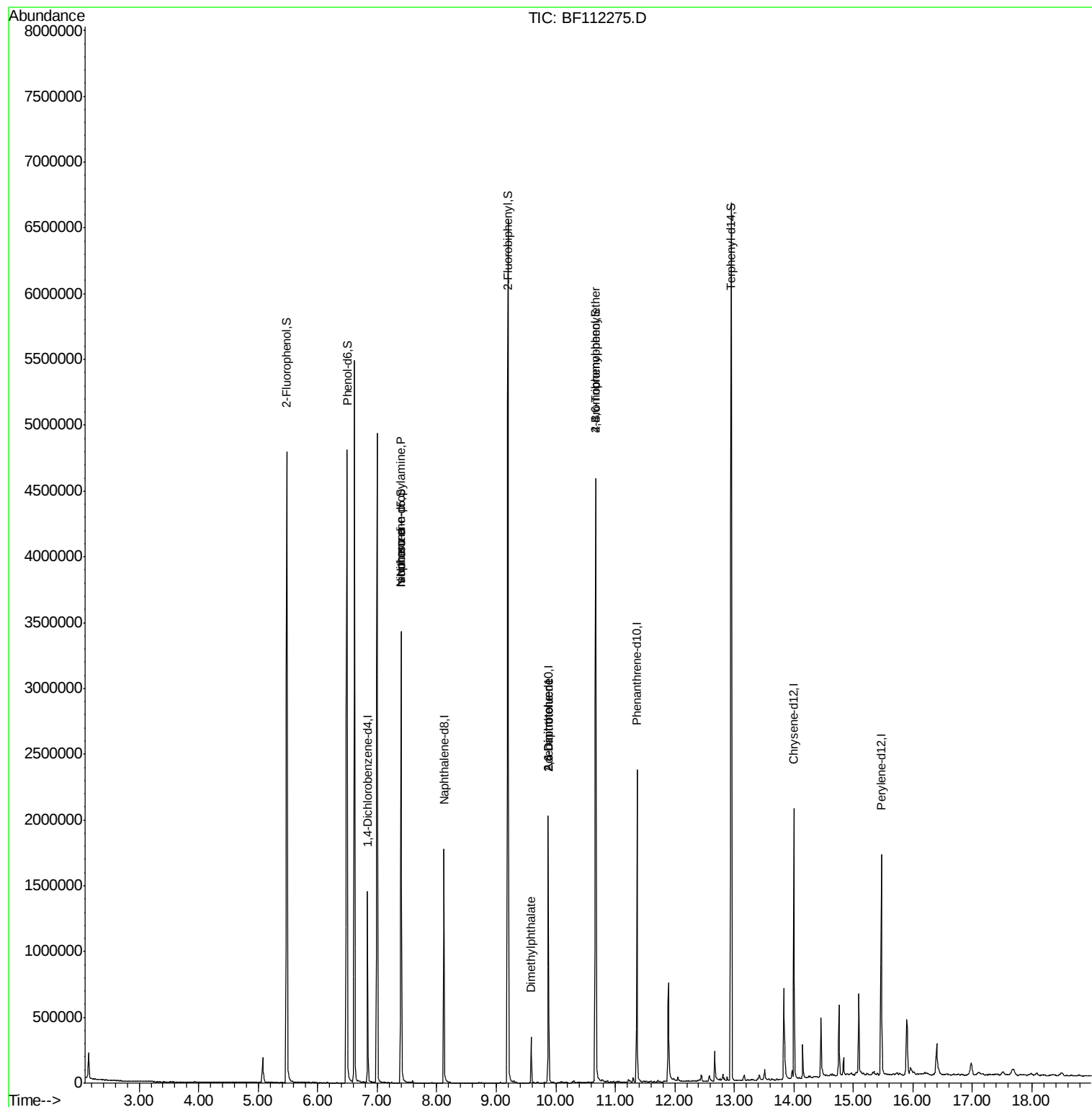
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	211511	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	827267	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	424692	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	856083	20.00	ng	0.00
76) Chrysene-d12	14.00	240	701862	20.00	ng	0.00
87) Perylene-d12	15.47	264	554345	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1494276	150.06	ng	0.00
7) Phenol-d6	6.49	99	1862713	134.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	1202898	83.78	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	636658	128.79	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2191699	72.99	ng	0.00
79) Terphenyl-d14	12.94	244	2449502	65.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	163436	17.130	ng	# 76
25) Isophorone	7.40	82	1195872	53.094	ng	# 63
50) Dimethylphthalate	9.59	163	143619	4.353	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	53448	7.233	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	53448	5.681	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	39687	3.942	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: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampleId :

SOIL-2

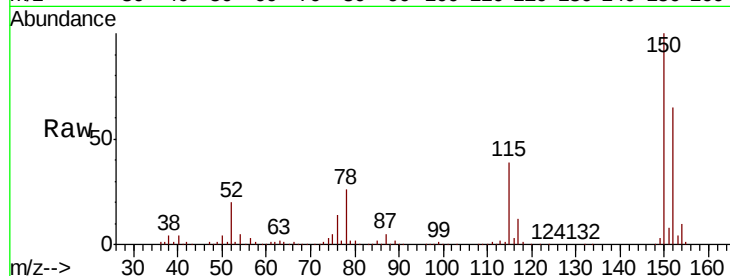
Tot Ion:152 Resp: 211511

Ion Ratio Lower Upper

152 100

150 154.5 127.4 191.0

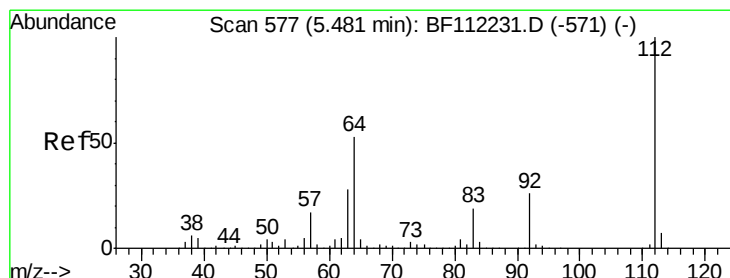
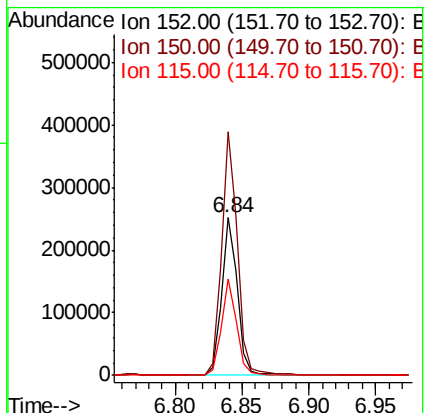
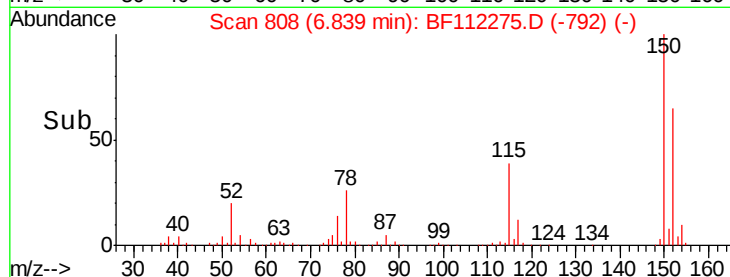
115 61.0 45.5 68.3



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: 150.060 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

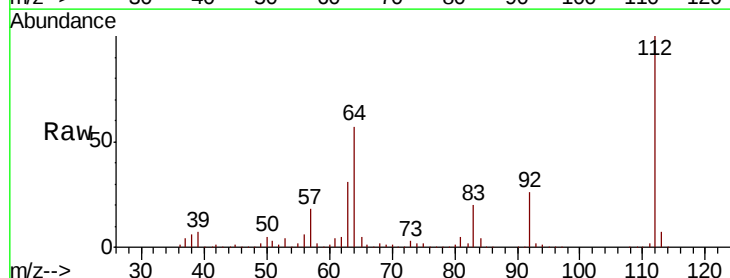
Tgt Ion:112 Resp: 1494276

Ion Ratio Lower Upper

112 100

64 57.4 45.7 68.5

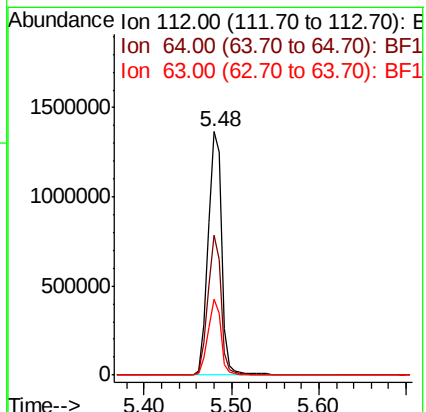
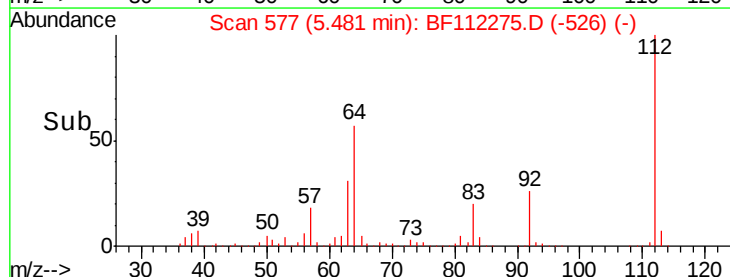
63 31.1 23.6 35.4



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: 134.619 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampled :

SOIL-2

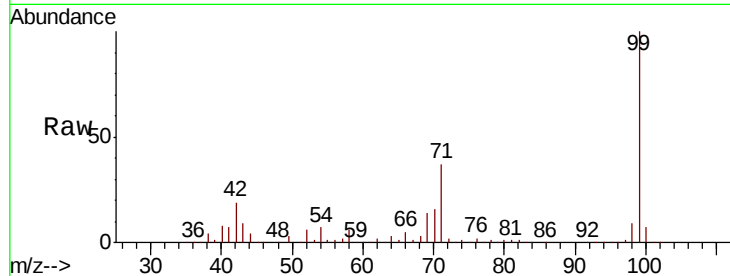
Tot Ion: 99 Resp: 1862713

Ion Ratio Lower Upper

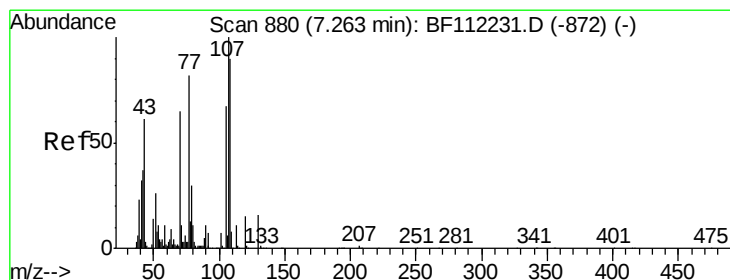
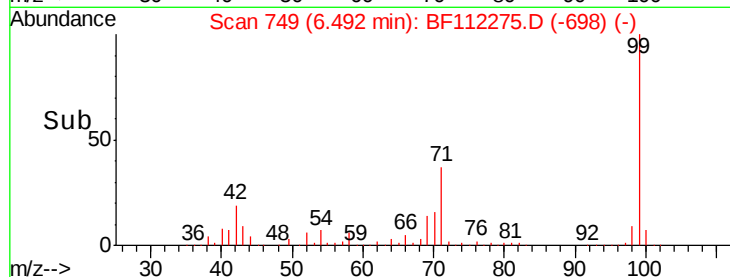
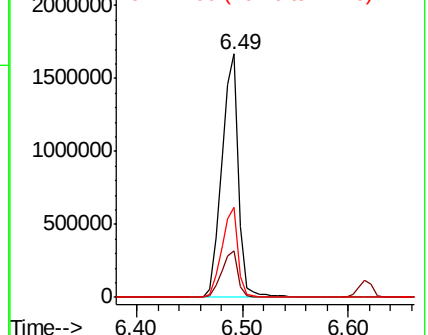
99 100

42 19.0 15.1 22.7

71 36.8 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.130 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Tgt Ion: 70 Resp: 163436

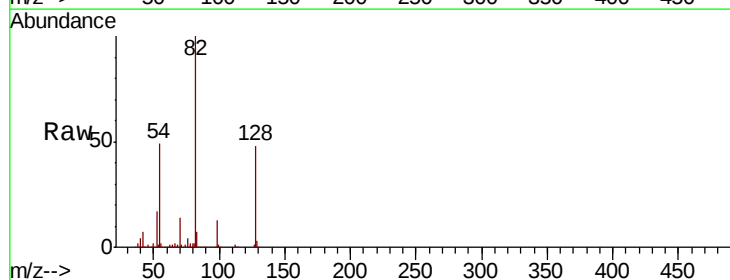
Ion Ratio Lower Upper

70 100

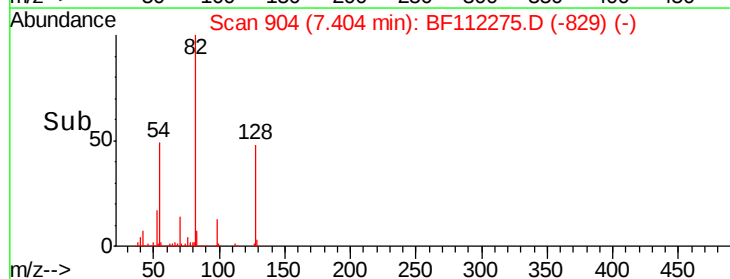
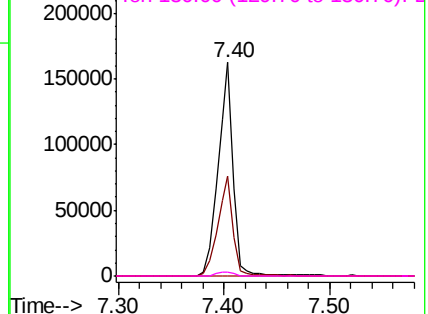
42 46.9 47.6 71.4#

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampleId :

SOIL-2

Tot Ion:136 Resp: 827267

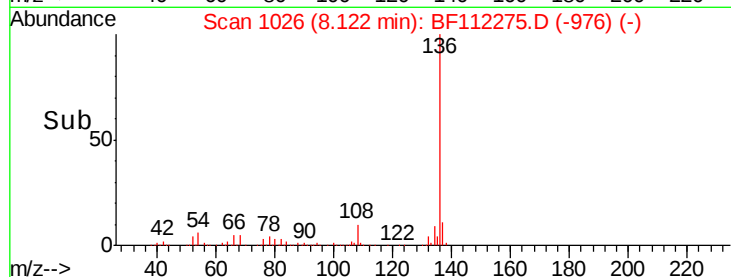
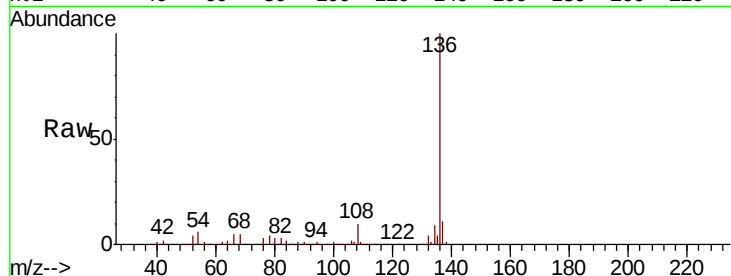
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.2 5.9 8.9

68 4.8 5.1 7.7#

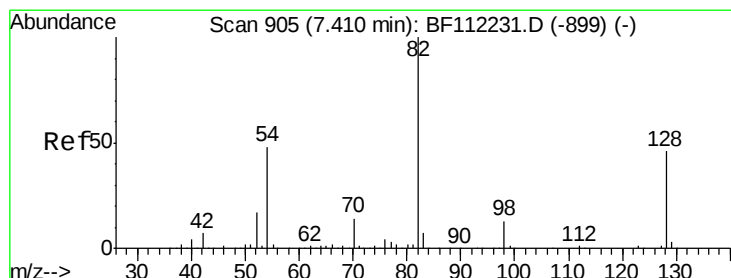
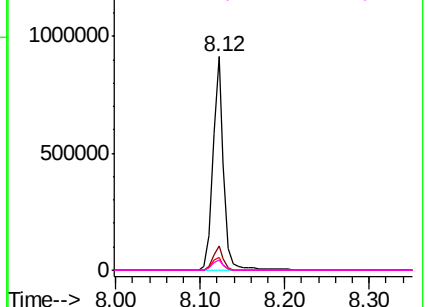


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.783 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

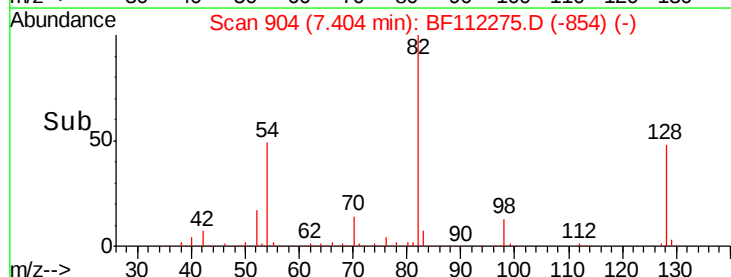
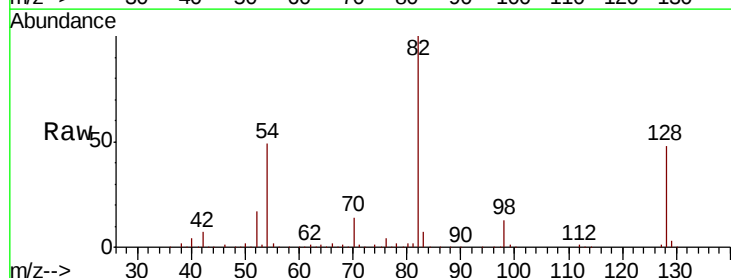
Tgt Ion: 82 Resp: 1202898

Ion Ratio Lower Upper

82 100

128 47.5 37.8 56.8

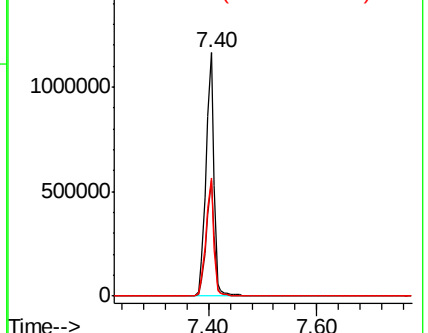
54 48.6 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.094 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampleId :

SOIL-2

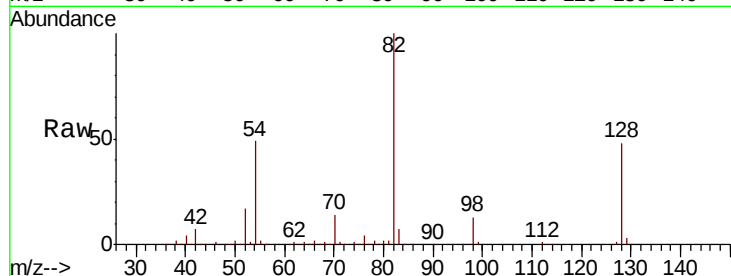
Tot Ion: 82 Resp: 1195872

Ion Ratio Lower Upper

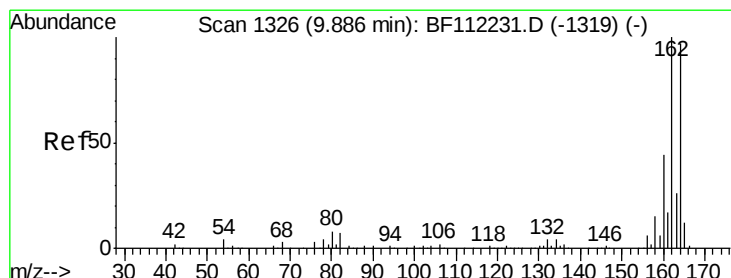
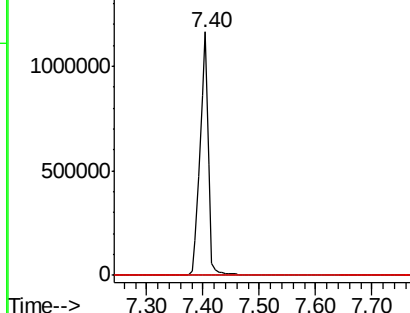
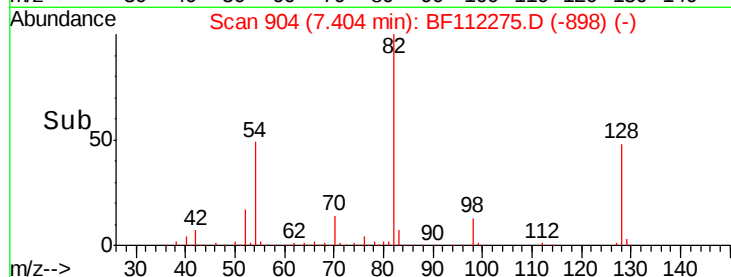
82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

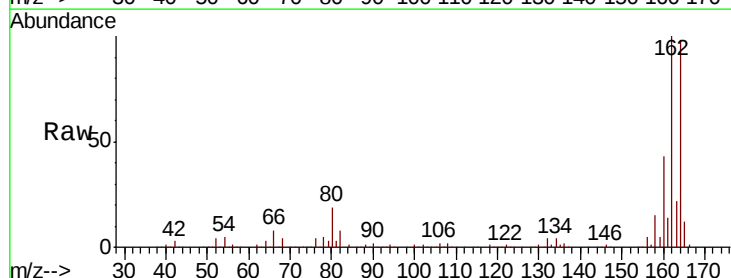
Tgt Ion: 164 Resp: 424692

Ion Ratio Lower Upper

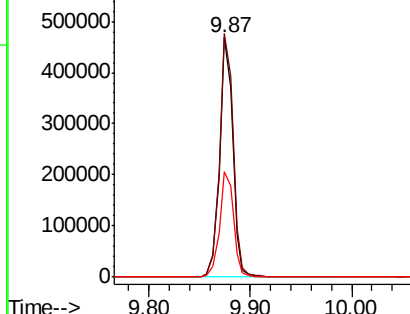
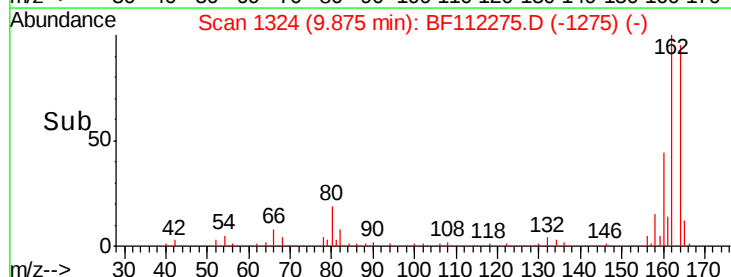
164 100

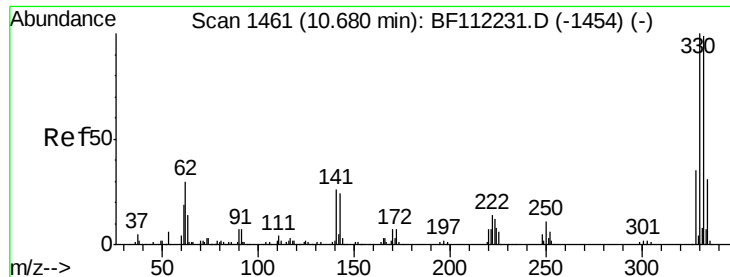
162 101.7 82.2 123.4

160 44.1 36.2 54.4



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

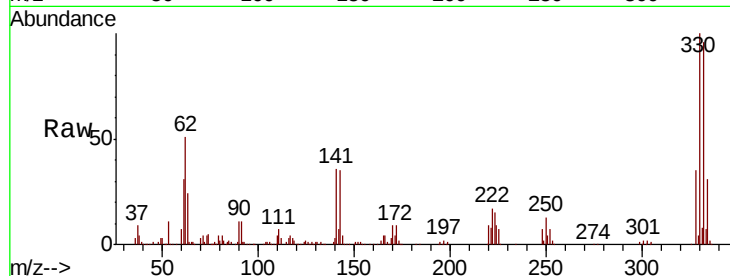




#42
 2,4,6-Tribromophenol
 Concen: 128.792 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112275.D
 Acq: 28 Jan 2019 15:30

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	31.9	24.3	36.5

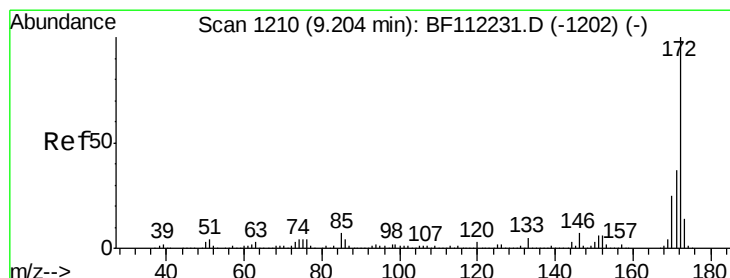
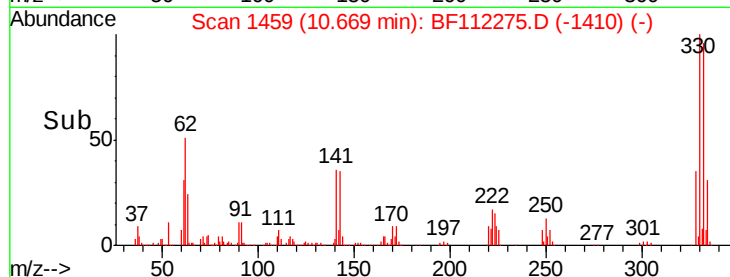
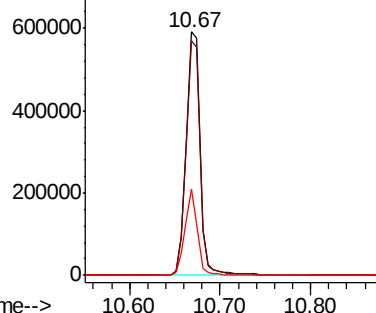


Abundance

Ion 329.80 (329.50 to 330.50): E

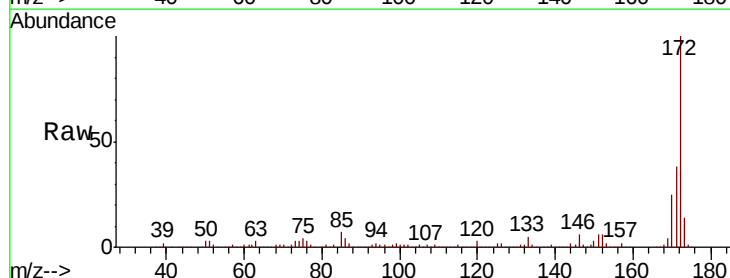
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.989 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112275.D
 Acq: 28 Jan 2019 15:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.5	45.7
170	24.8	20.2	30.4

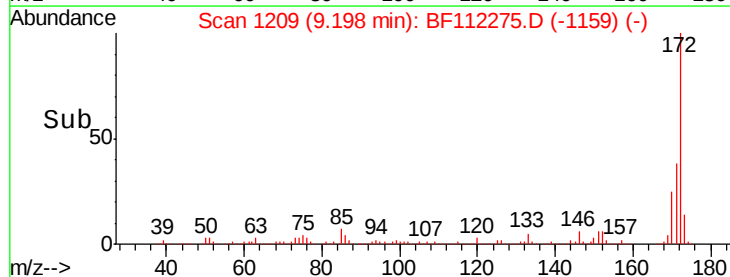
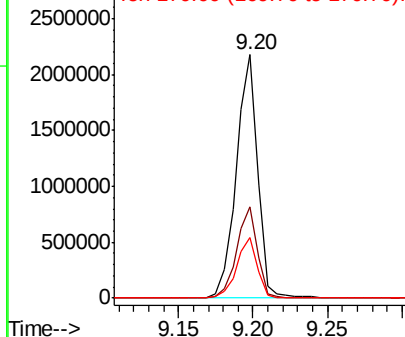


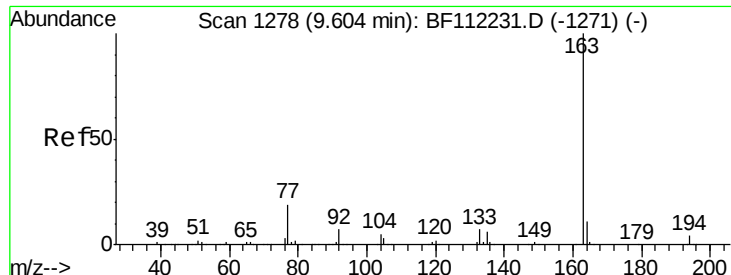
Abundance

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

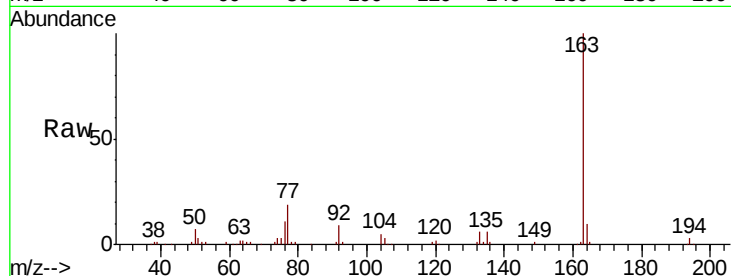




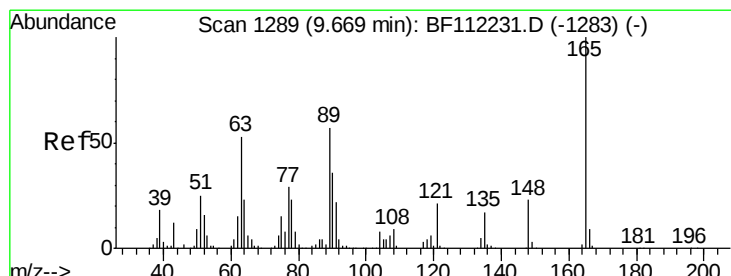
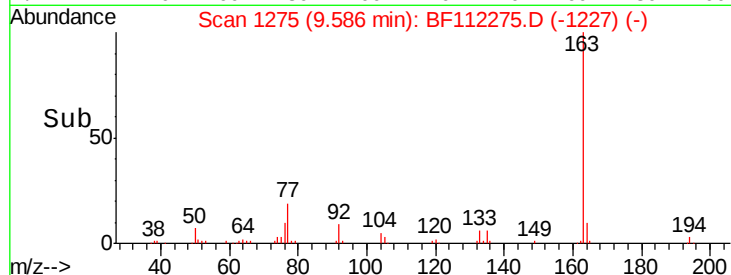
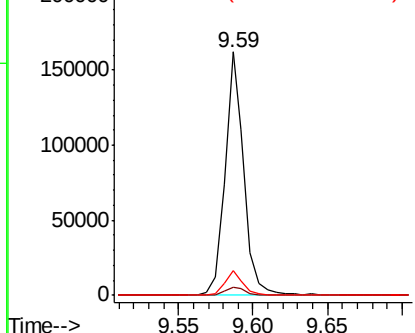
#50
Dimethylphthalate
Concen: 4.353 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112275.D
Acq: 28 Jan 2019 15:30

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.3	4.9
164	10.2	8.5	12.7

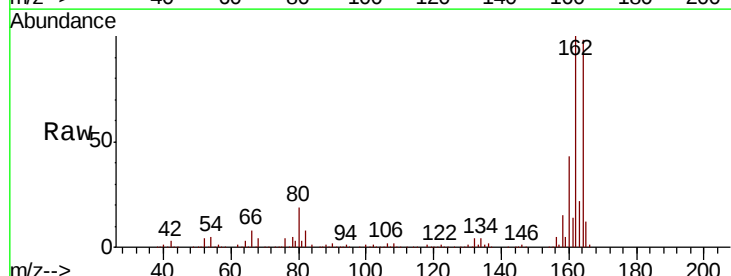


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

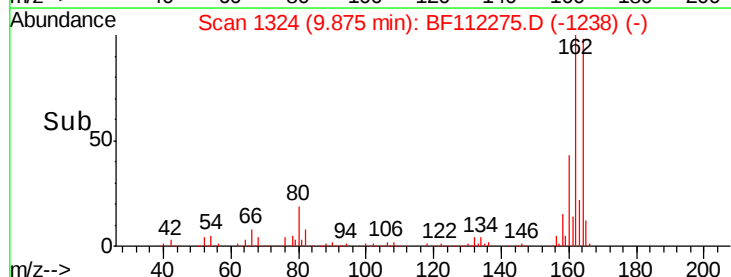
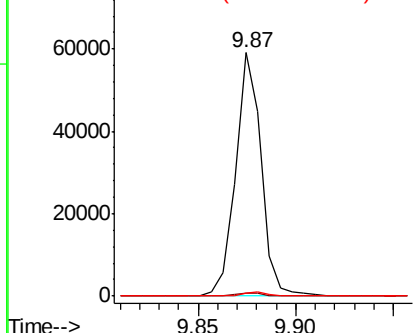


#51
2,6-Dinitrotoluene
Concen: 7.233 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112275.D
Acq: 28 Jan 2019 15:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.1	36.9	55.3#



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

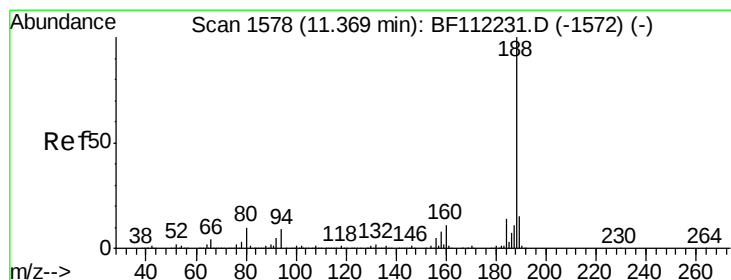
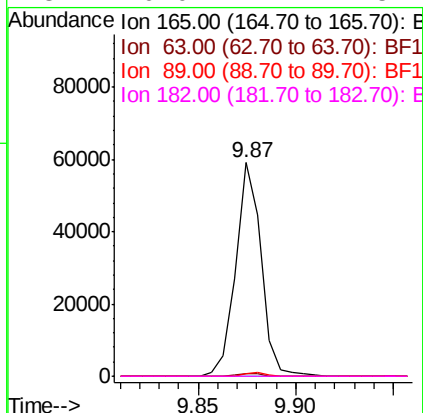
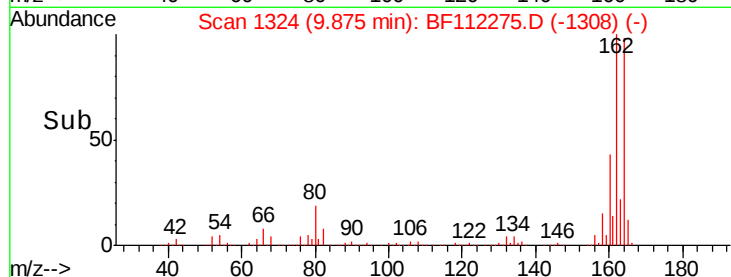
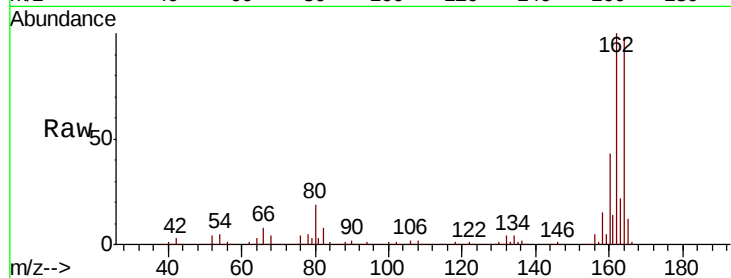




#57
 2,4-Dinitrotoluene
 Concen: 5.681 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112275.D
 Acq: 28 Jan 2019 15:30

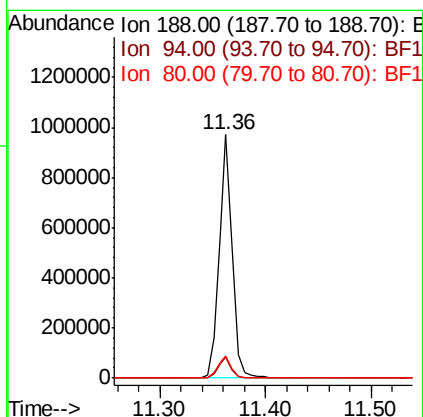
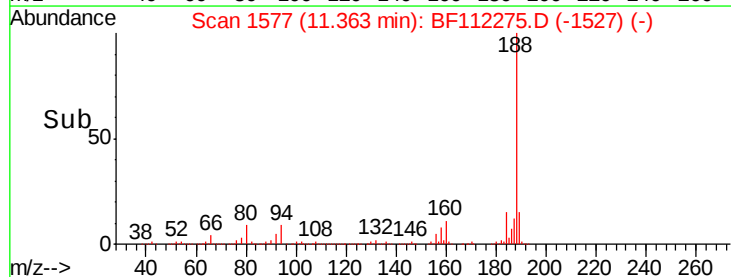
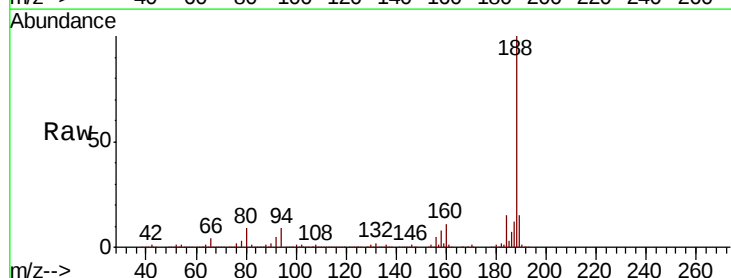
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

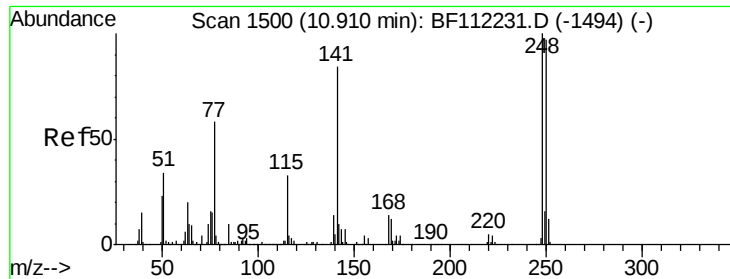
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.1	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112275.D
 Acq: 28 Jan 2019 15:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.0	8.9	13.3





#67

4-Bromophenyl-phenylether

Concen: 3.942 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.24 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampled :

SOIL-2

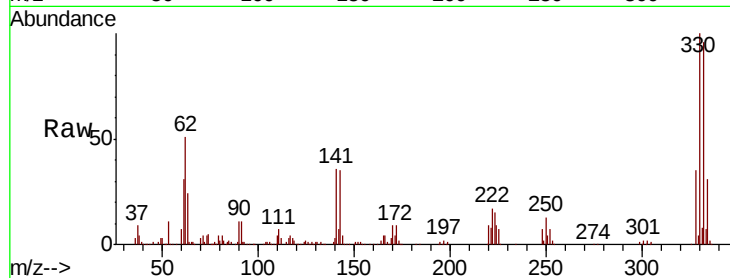
Tot Ion:248 Resp: 39687

Ion Ratio Lower Upper

248 100

250 184.4 79.7 119.5#

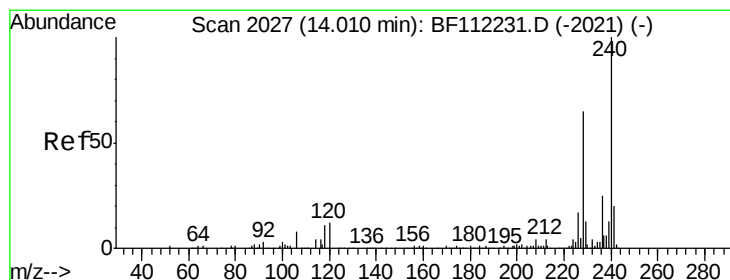
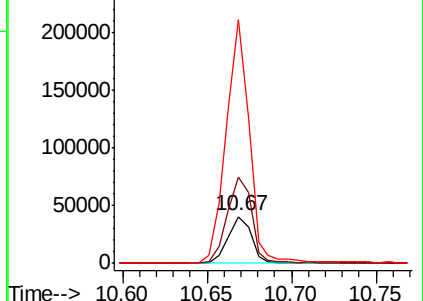
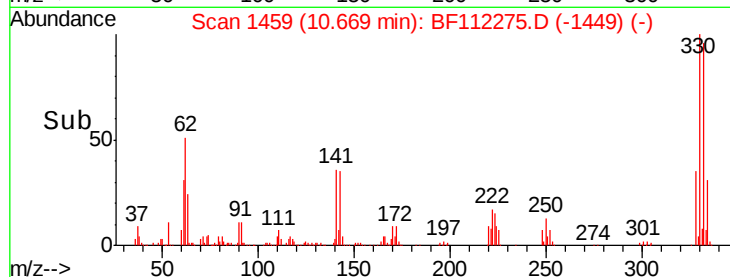
141 520.7 60.3 90.5#



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

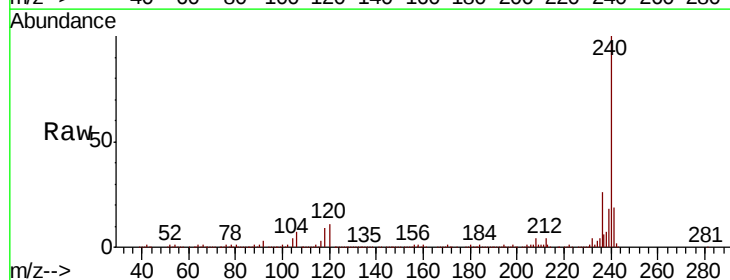
Tgt Ion:240 Resp: 701862

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.6

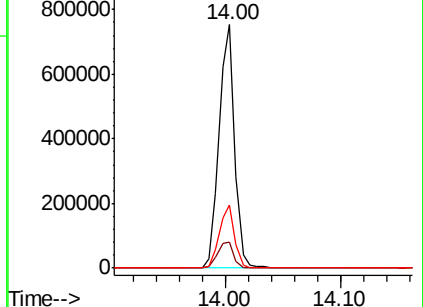
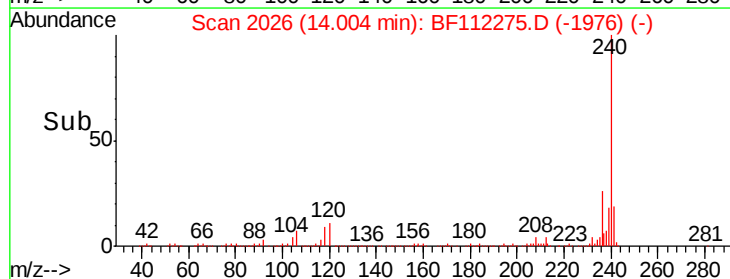
236 25.8 20.7 31.1

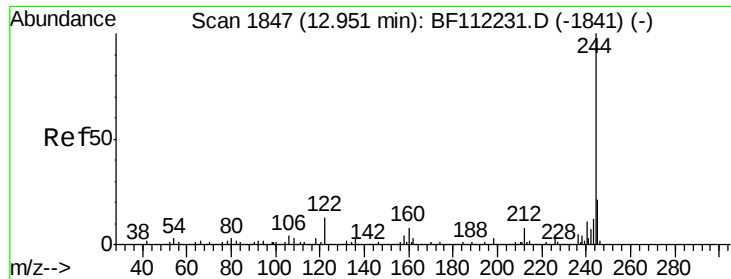


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 65.732 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

Instrument :

BNA_F

ClientSampleId :

SOIL-2

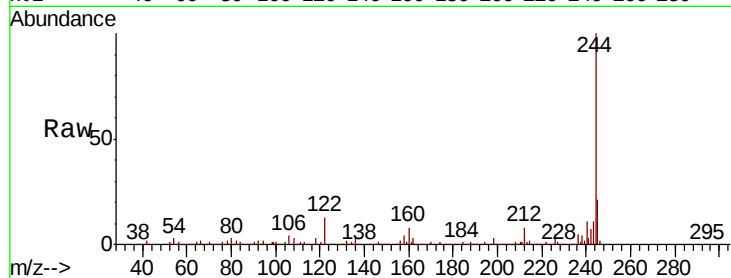
Tot Ion:244 Resp: 2449502

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

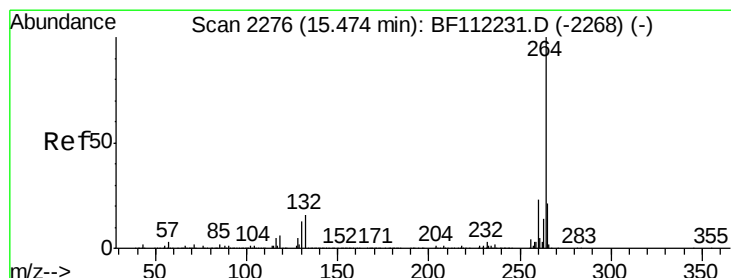
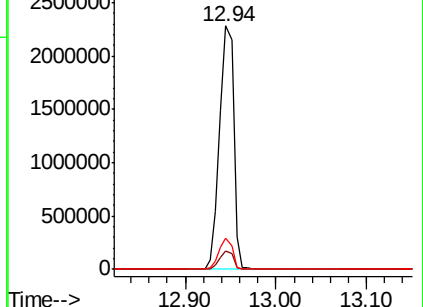
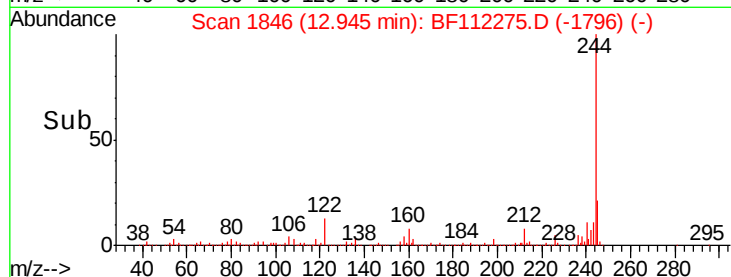
122 12.7 9.8 14.6



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112275.D

Acq: 28 Jan 2019 15:30

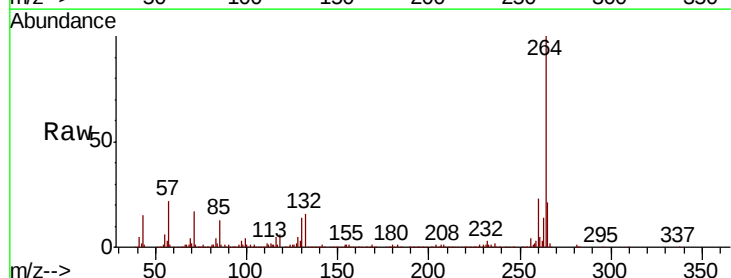
Tgt Ion:264 Resp: 554345

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

265 21.2 17.0 25.4



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

