

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113081.D
 Acq On : 15 Mar 2019 22:30
 Operator : JU/SJ
 Sample : K1924-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Mar 15 23:38:35 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

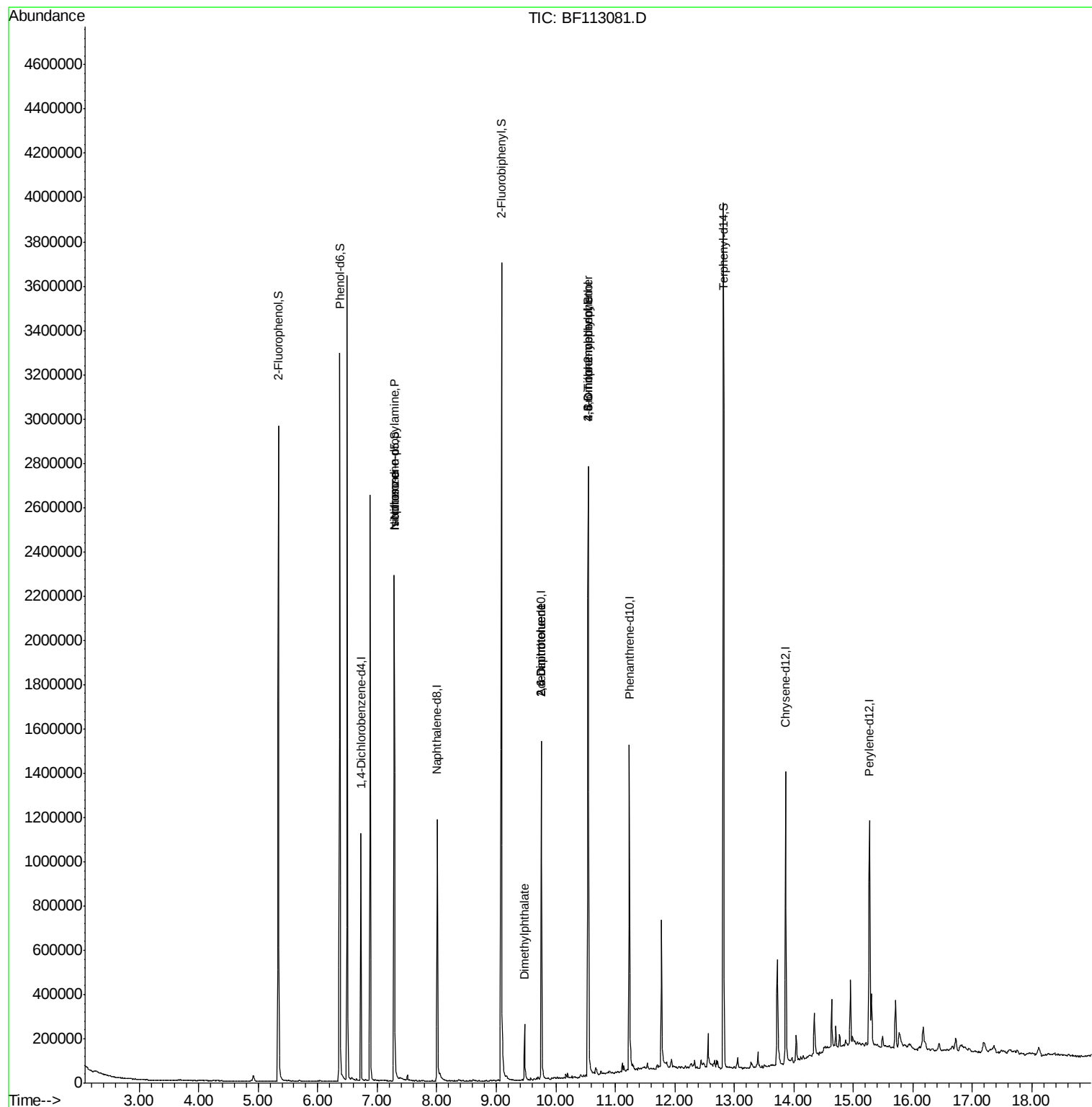
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	159634	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	613241	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	308580	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	639757	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	489231	20.00	ng	0.00
87) Perylene-d12	15.27	264	513474	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	930579	90.68	ng	0.00
7) Phenol-d6	6.37	99	1199511	93.05	ng	0.00
23) Nitrobenzene-d5	7.29	82	751331	73.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	399647	121.99	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1377692	70.78	ng	0.00
79) Terphenyl-d14	12.82	244	1416211	56.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	99448	12.181	ng	# 74
25) Isophorone	7.29	82	743960	33.696	ng	# 66
50) Dimethylphthalate	9.47	163	107653	4.731	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	40326	8.511	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	40327	6.847	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	630	4.829	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	22271	3.305	ng	# 1

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

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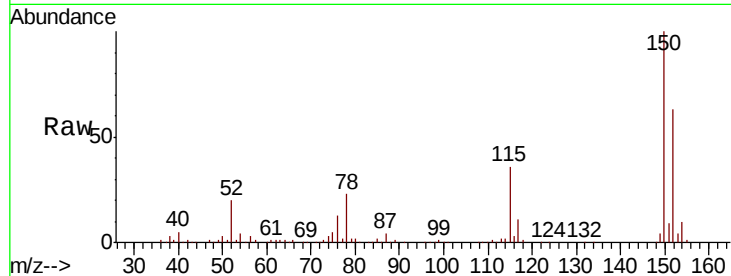


#1

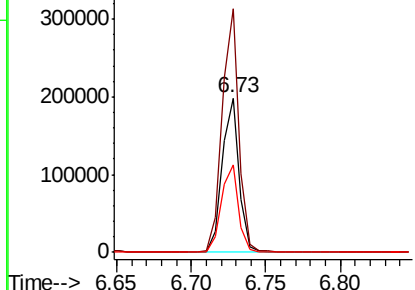
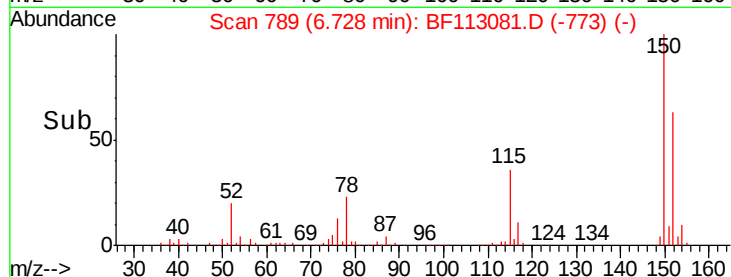
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

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

Tgt Ion:152 Resp: 159634
Ion Ratio Lower Upper
152 100
150 157.8 124.2 186.2
115 56.7 48.2 72.4



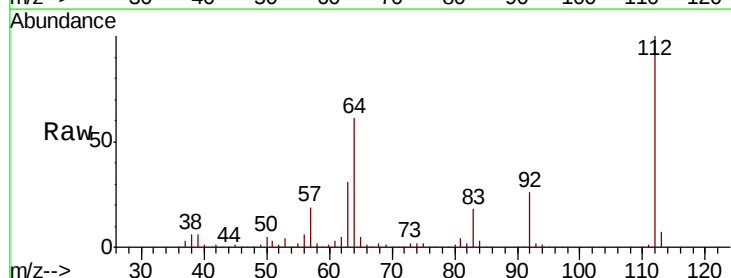
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



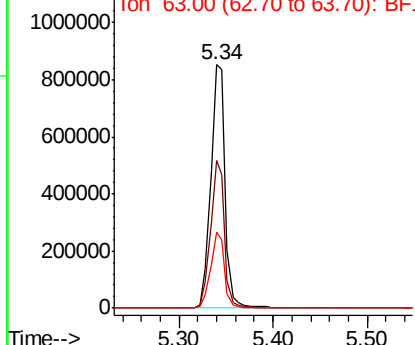
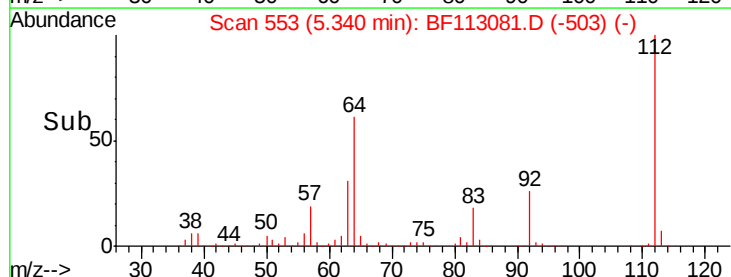
#5

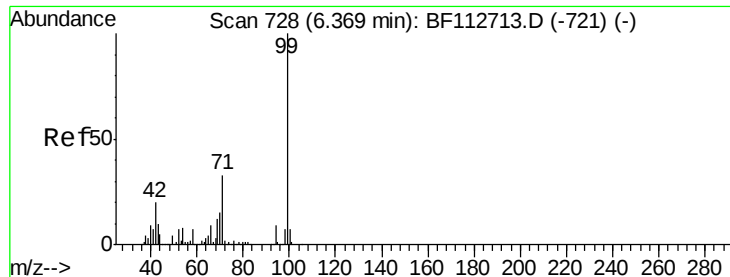
2-Fluorophenol
Concen: 90.680 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion:112 Resp: 930579
Ion Ratio Lower Upper
112 100
64 60.6 47.6 71.4
63 31.1 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: 93.050 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113081.D

Acq: 15 Mar 2019 22:30

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE-B

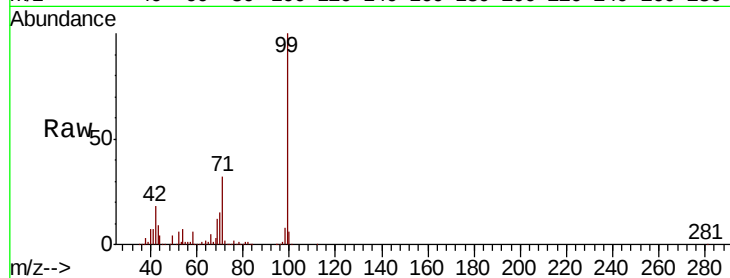
Tgt Ion: 99 Resp: 1199511

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

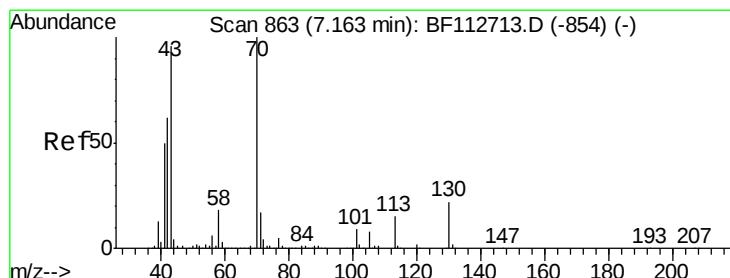
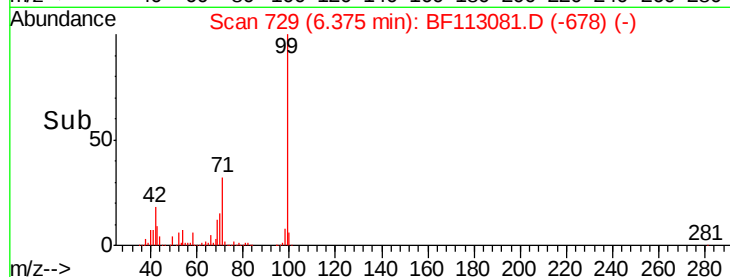
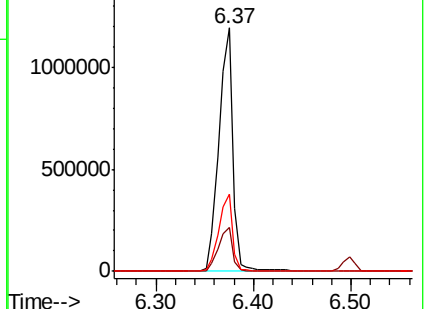
71 31.9 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.181 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113081.D

Acq: 15 Mar 2019 22:30

Tgt Ion: 70 Resp: 99448

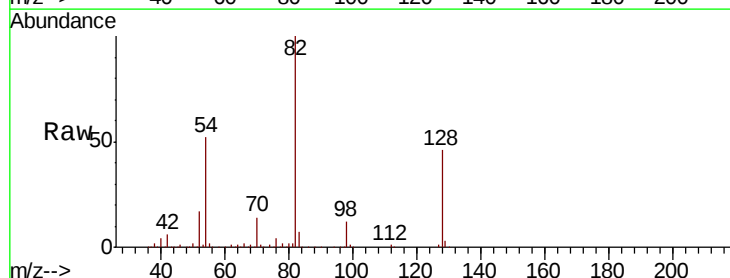
Ion Ratio Lower Upper

70 100

42 46.7 49.9 74.9#

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

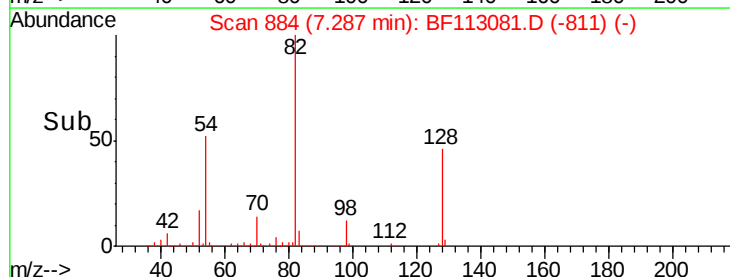
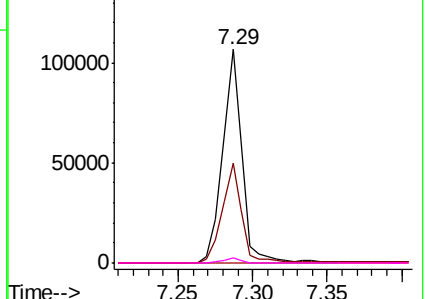


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

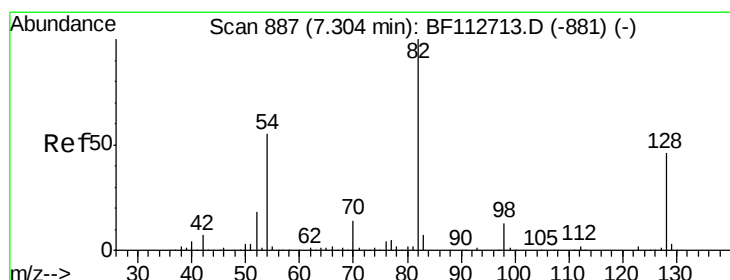
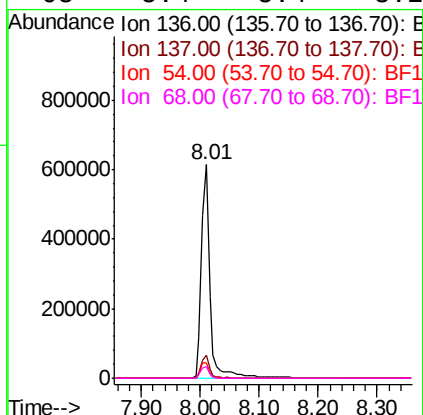
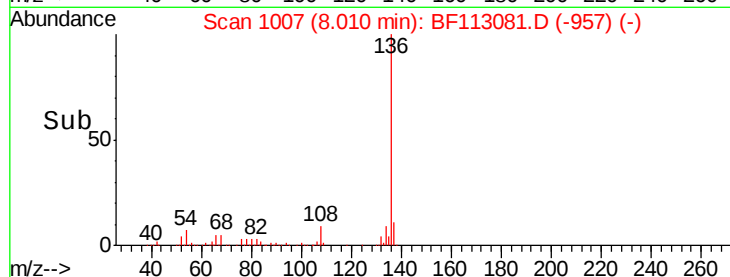
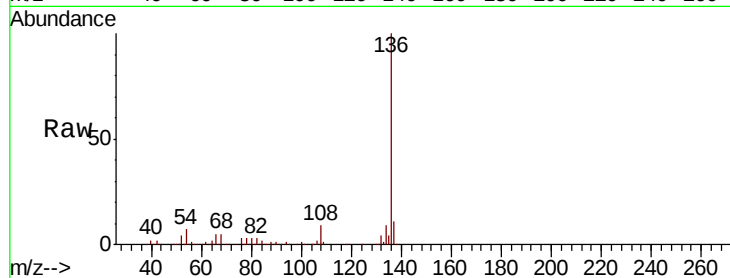




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

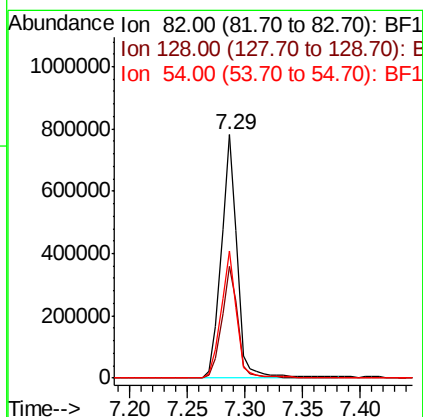
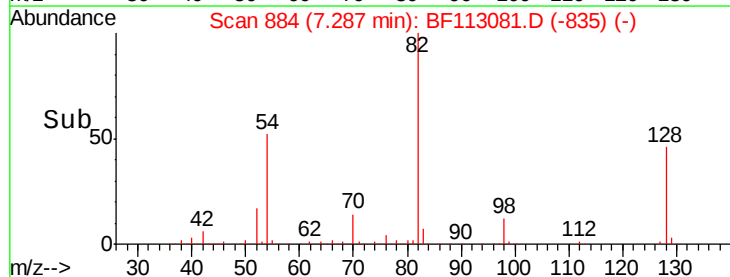
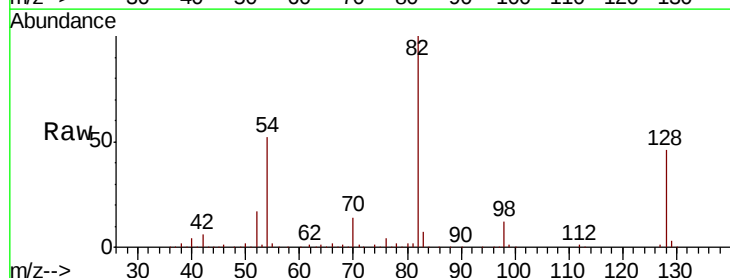
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-B

Tgt Ion:	136	Resp:	613241
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.3	7.3	10.9
68	5.4	5.4	8.2#



#23
Nitrobenzene-d5
Concen: 73.312 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion:	82	Resp:	751331
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.3	54.5
54	52.4	43.7	65.5

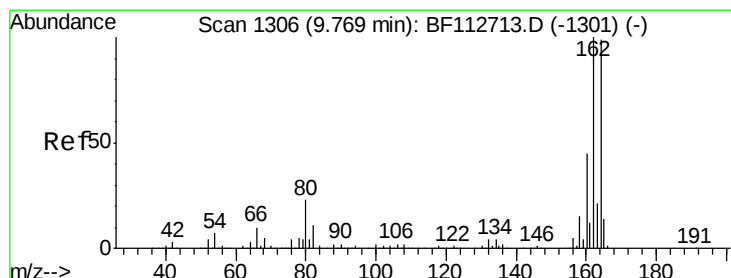
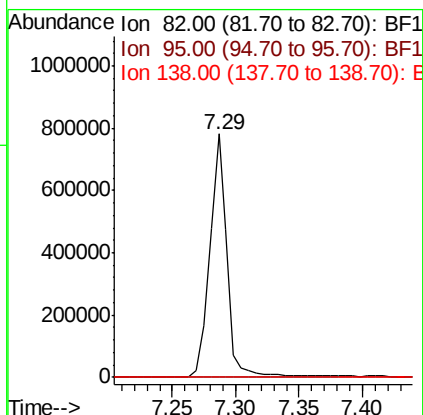
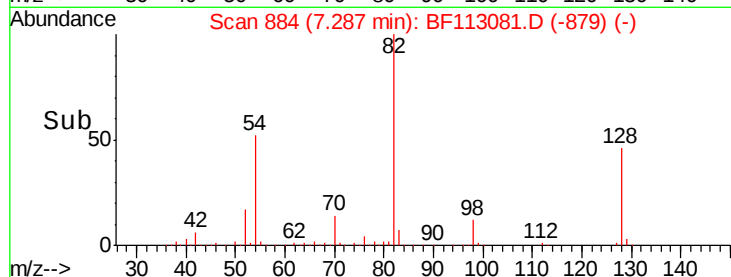
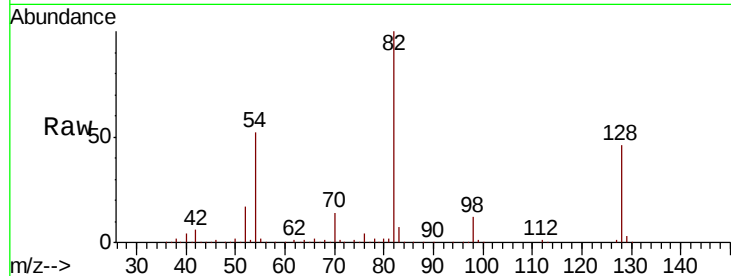




#25
Isophorone
Concen: 33.696 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

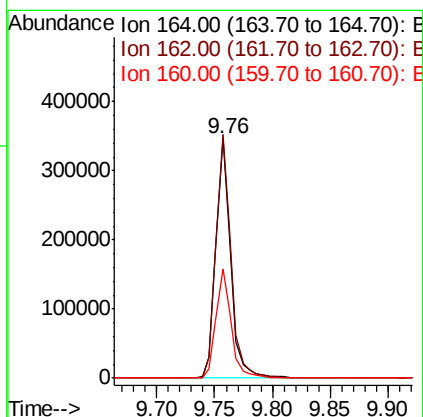
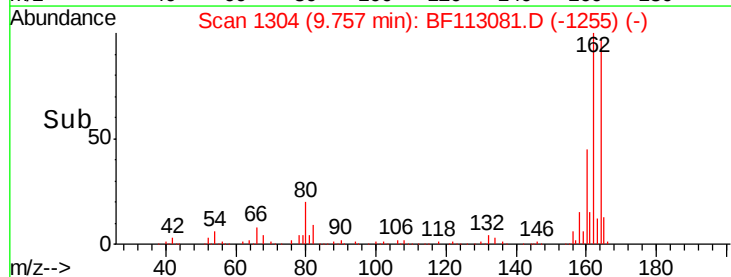
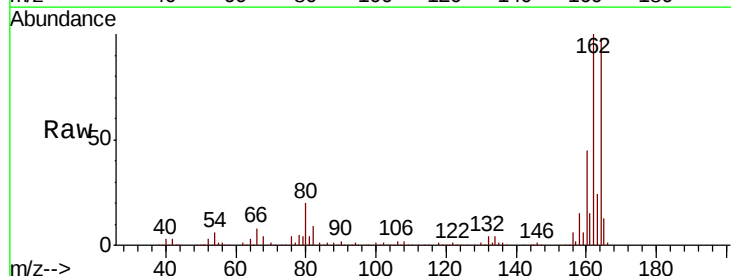
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-B

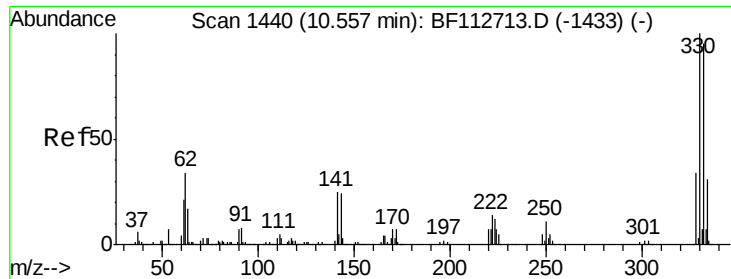
Tgt Ion: 82 Resp: 743960
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion: 164 Resp: 308580
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.3 36.0 54.0

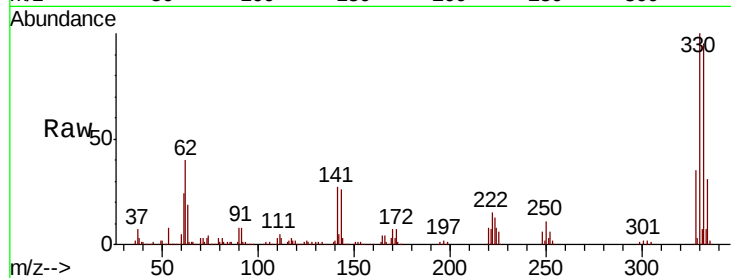




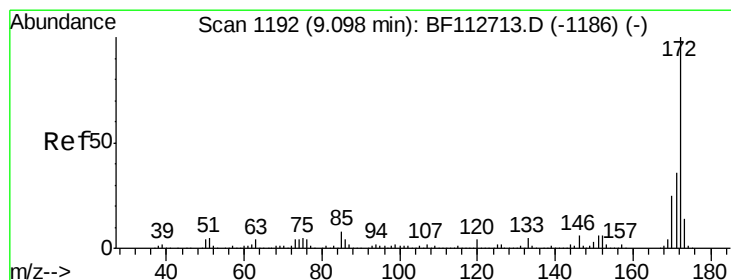
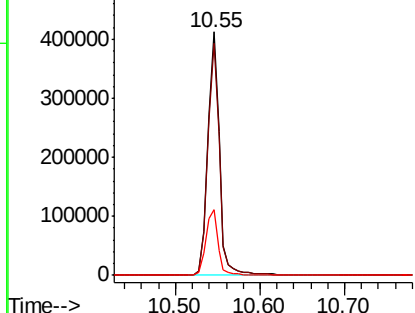
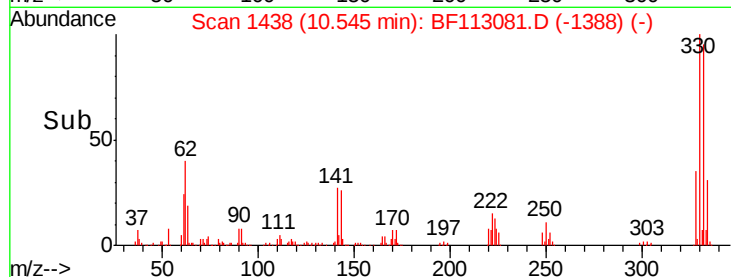
#42
 2,4,6-Tribromophenol
 Concen: 121.994 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113081.D
 Acq: 15 Mar 2019 22:30

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.2	114.4
141	28.2	27.0	40.6

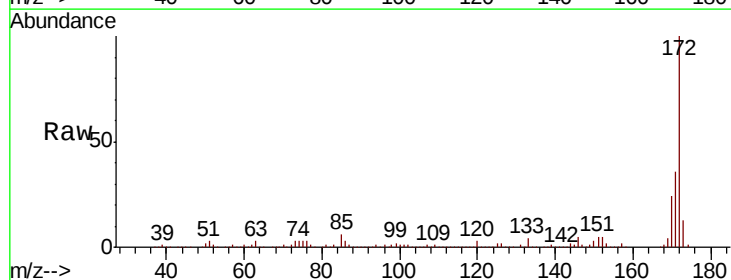


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

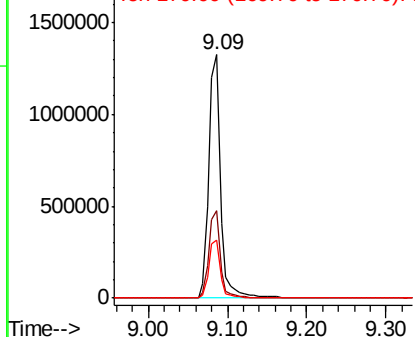
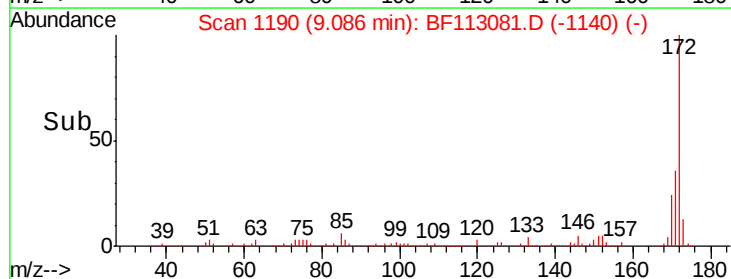


#45
 2-Fluorobiphenyl
 Concen: 70.778 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113081.D
 Acq: 15 Mar 2019 22:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	24.0	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

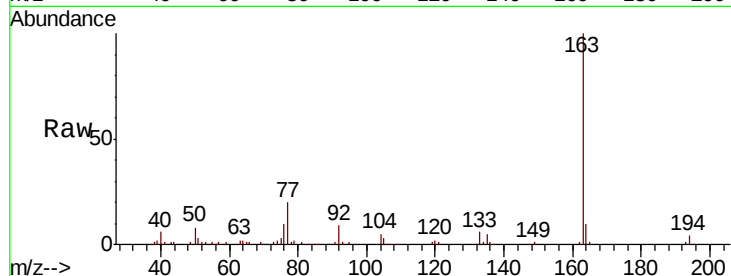




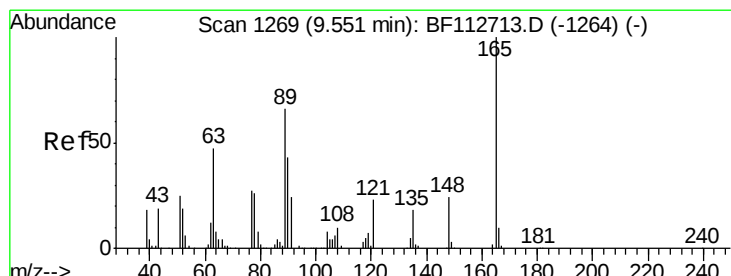
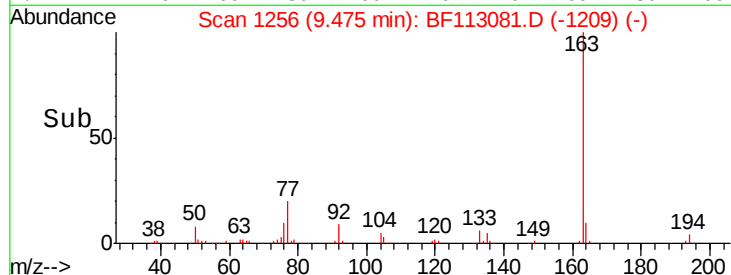
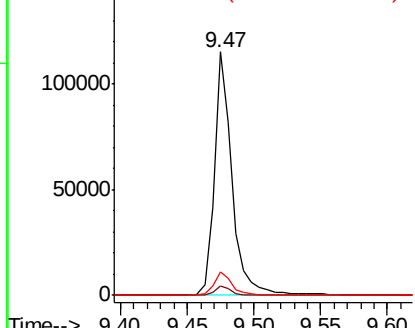
#50
Dimethylphthalate
Concen: 4.731 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.5	8.4	12.6

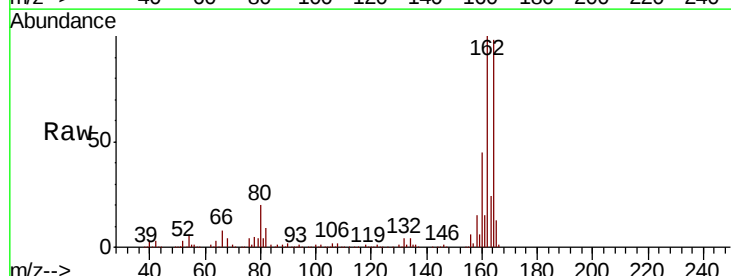


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

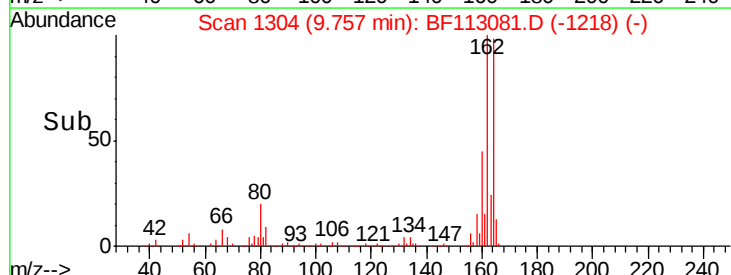
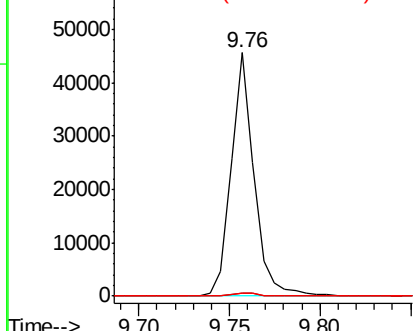


#51
2,6-Dinitrotoluene
Concen: 8.511 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	54.1	81.1#
89	1.3	52.8	79.2#



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

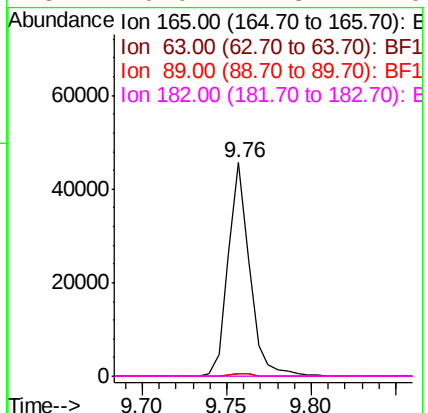
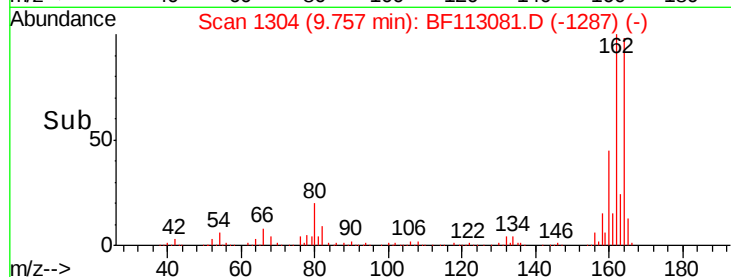
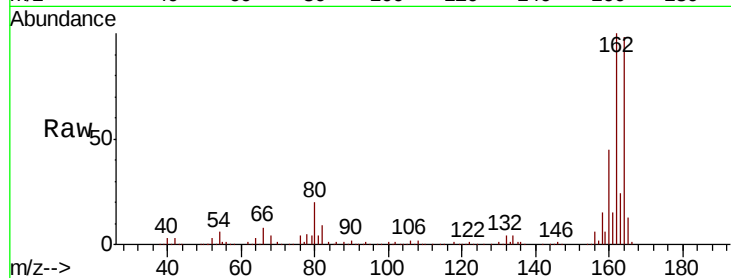




#57
2,4-Dinitrotoluene
Concen: 6.847 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.20 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

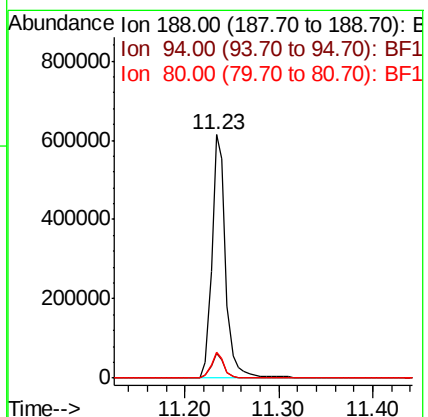
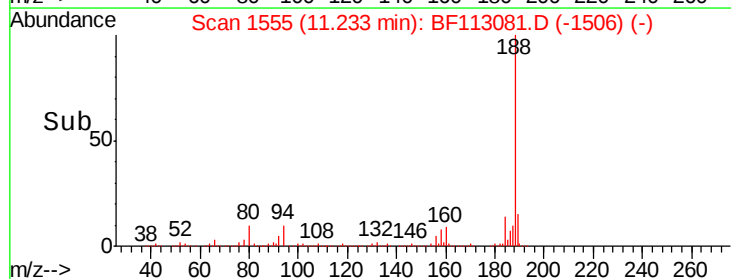
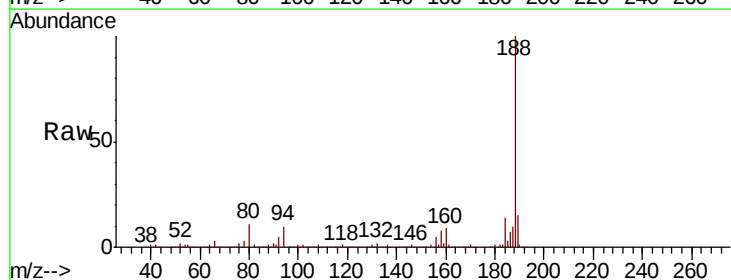
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-B

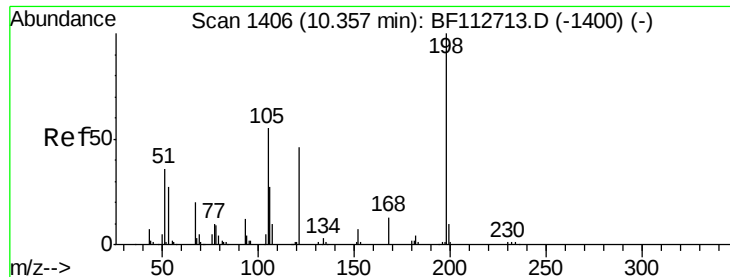
Tgt Ion:	165	Resp:	40327
Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion:	188	Resp:	639757
Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.6	9.2	13.8

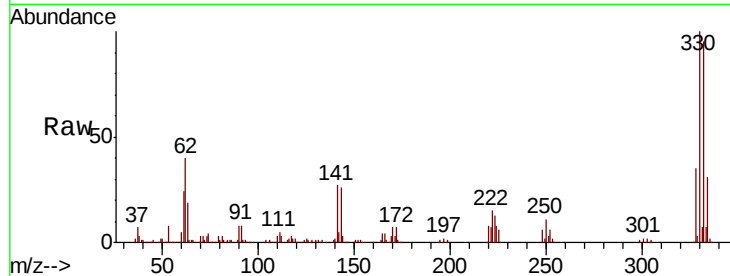




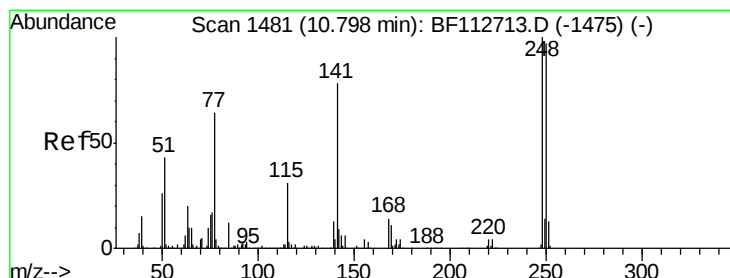
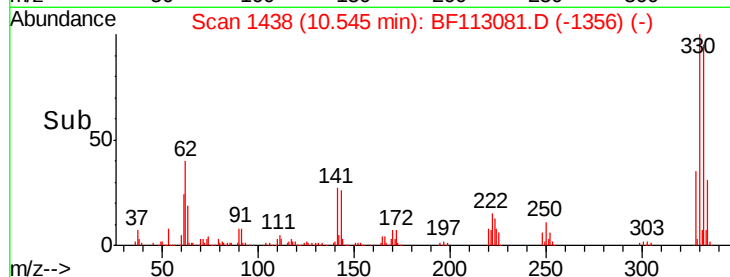
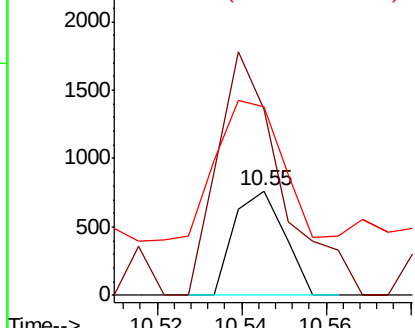
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.829 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113081.D
 Acq: 15 Mar 2019 22:30

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

Tgt Ion:198 Resp: 630
 Ion Ratio Lower Upper
 198 100
 51 177.7 43.8 83.8#
 105 180.9 36.5 76.5#

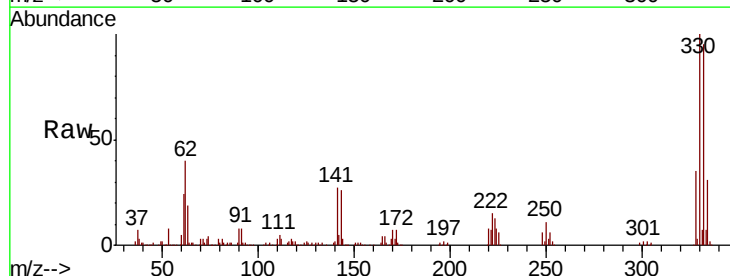


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

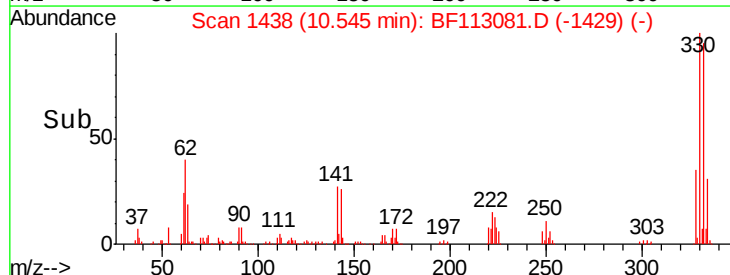
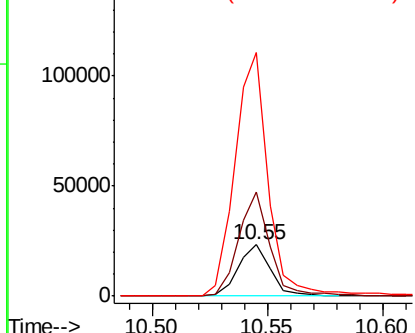


#67
 4-Bromophenyl-phenylether
 Concen: 3.305 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113081.D
 Acq: 15 Mar 2019 22:30

Tgt Ion:248 Resp: 22271
 Ion Ratio Lower Upper
 248 100
 250 203.1 77.5 116.3#
 141 474.6 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

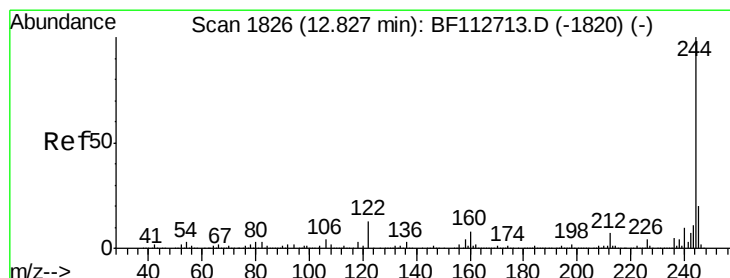
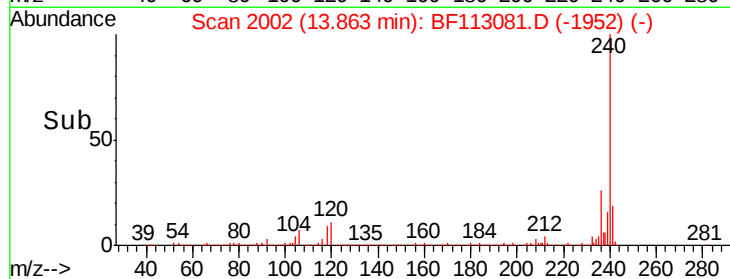
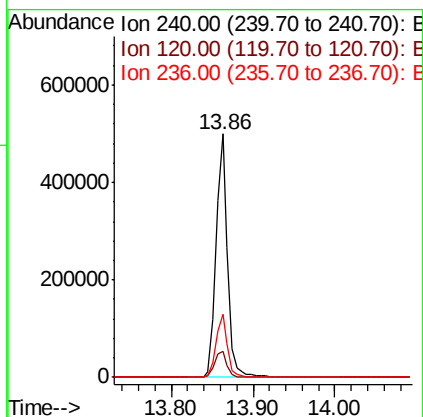
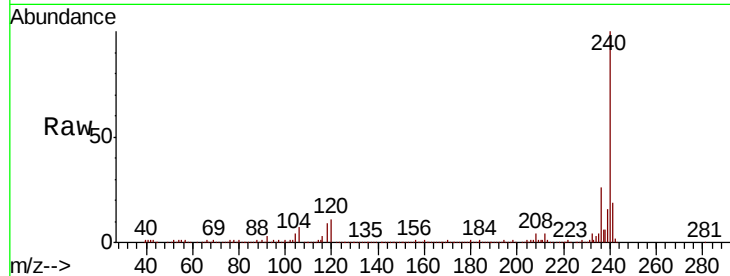




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

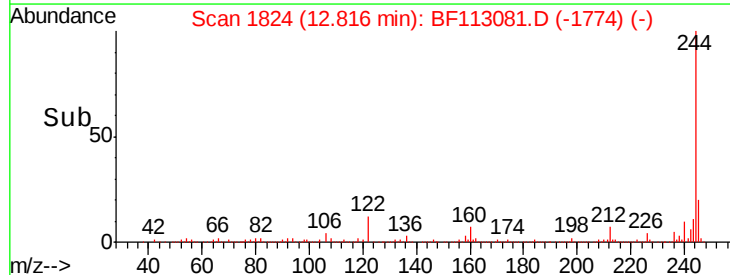
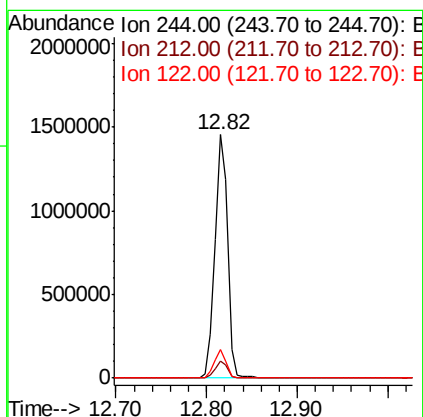
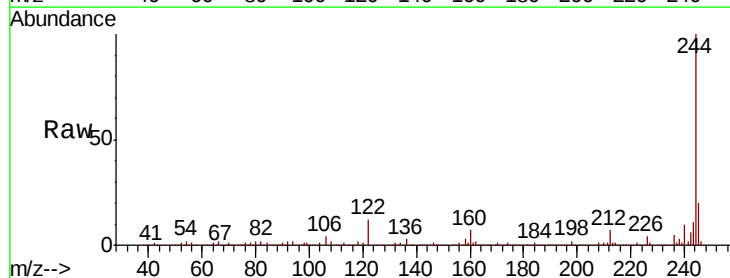
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE-B

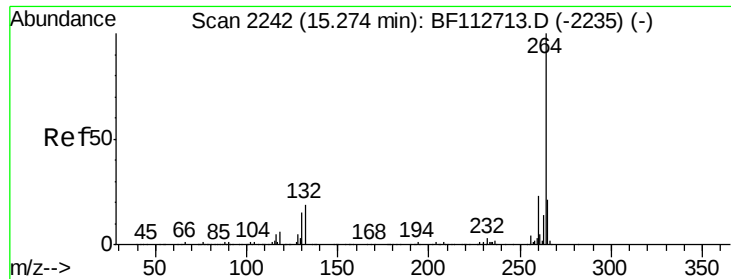
Tgt Ion:240 Resp: 489231
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 26.1 20.7 31.1



#79
Terphenyl-d14
Concen: 56.115 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

Tgt Ion:244 Resp: 1416211
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.7 10.5 15.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113081.D
Acq: 15 Mar 2019 22:30

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

Tgt Ion: 264 Resp: 513474
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 22.2 17.2 25.8

