

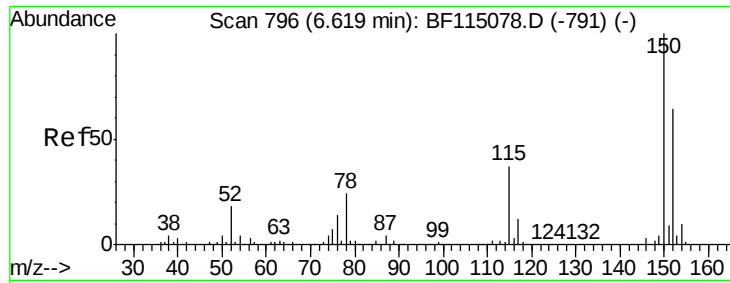
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070219\
 Data File : BF115375.D
 Acq On : 2 Jul 2019 22:14
 Operator : HP/JU
 Sample : K3629-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE

Quant Time: Jul 03 05:56:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	211486	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	821640	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	394041	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	745699	20.00	ng	0.02
76) Chrysene-d12	13.74	240	439581	20.00	ng	0.02
87) Perylene-d12	15.11	264	481724	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1053089	76.84	ng	0.01
7) Phenol-d6	6.25	99	1355976	81.52	ng	0.01
23) Nitrobenzene-d5	7.17	82	805826	60.33	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	299319	72.03	ng	0.01
45) 2-Fluorobiphenyl	8.97	172	1527642	65.85	ng	0.00
79) Terphenyl-d14	12.70	244	1470207	71.11	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	105137	9.873	ng	# 79
25) Isophorone	7.17	82	787201	28.770	ng	# 63
50) Dimethylphthalate	9.36	163	260899	8.999	ng	# 99
57) 2,4-Dinitrotoluene	9.64	165	50457	5.839	ng	# 30
58) Fluorene	10.42	166	14151	Below Cal		# 83
61) 4-Chlorophenyl-phenylether	9.99	204	120	Below Cal		# 29
65) 4,6-Dinitro-2-methylphenol	10.42	198	559	5.086	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	18630	2.304	ng	# 1

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

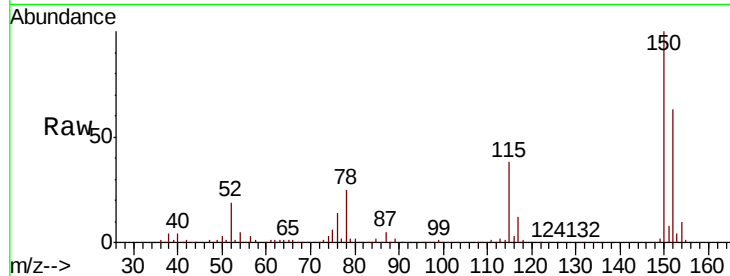


#1

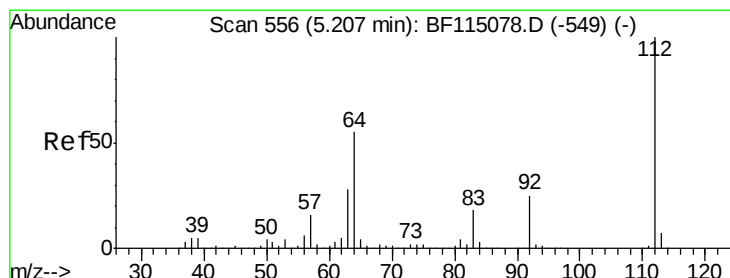
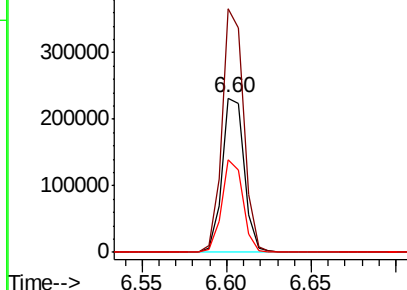
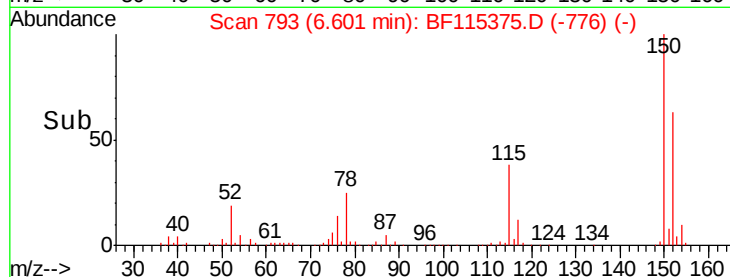
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE

Tgt Ion:152 Resp: 211486
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.2 186.2
 115 60.1 46.1 69.1



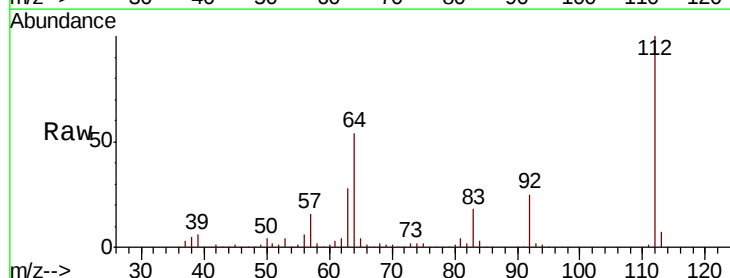
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



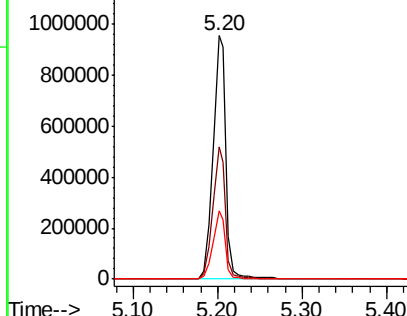
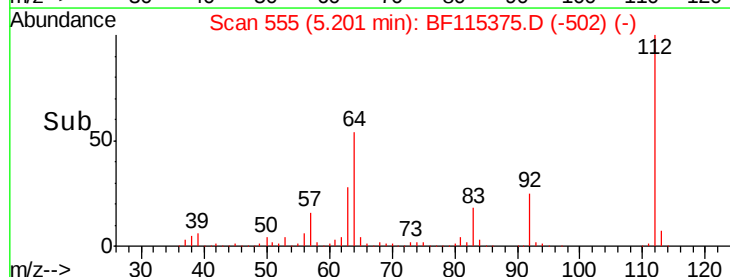
#5

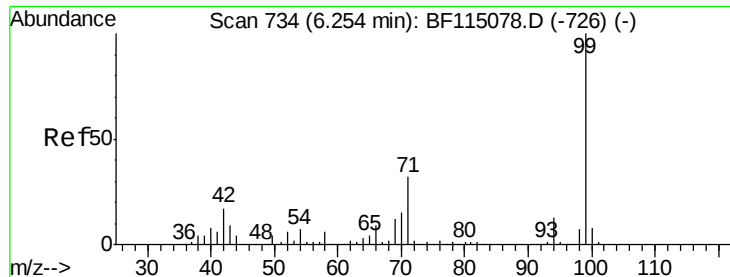
2-Fluorophenol
 Concen: 76.842 ng
 RT: 5.20 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Tgt Ion:112 Resp: 1053089
 Ion Ratio Lower Upper
 112 100
 64 54.1 43.8 65.6
 63 28.1 22.2 33.4



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: 81.518 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE

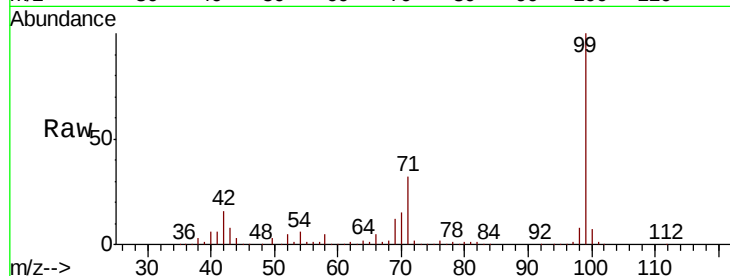
Tgt Ion: 99 Resp: 1355976

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

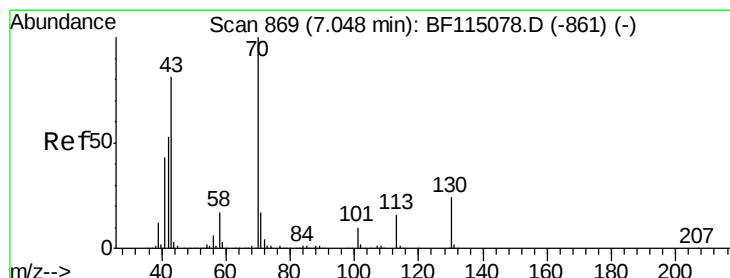
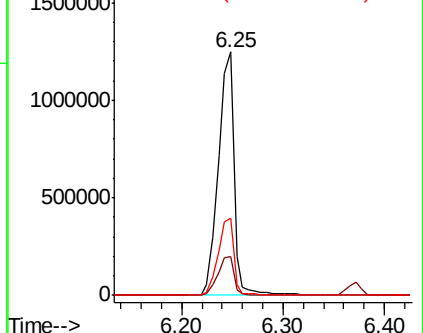
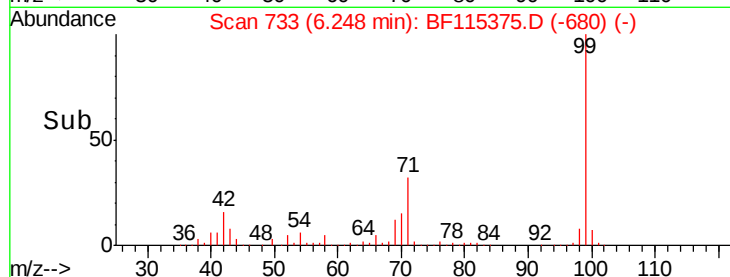
71 31.9 25.5 38.3



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: 9.873 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

Tgt Ion: 70 Resp: 105137

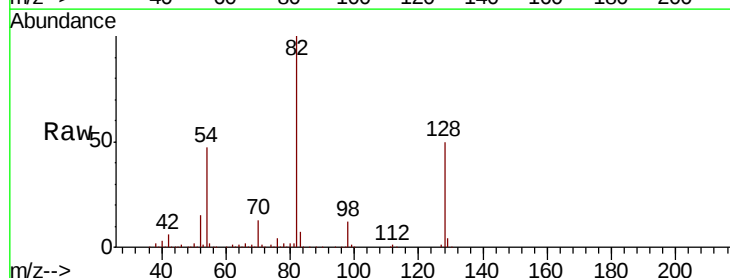
Ion Ratio Lower Upper

70 100

42 46.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

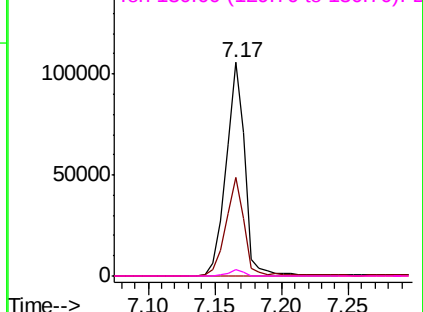
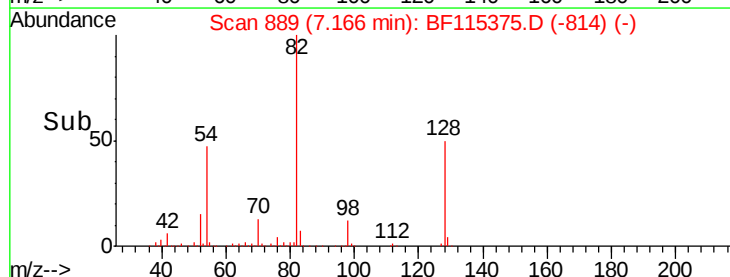


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

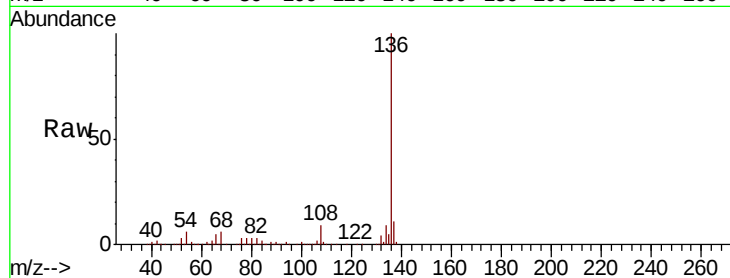




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115375.D
Acq: 2 Jul 2019 22:14

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE

Tgt Ion:	136	Resp:	821640
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	5.6	8.4
68	5.5	4.8	7.2



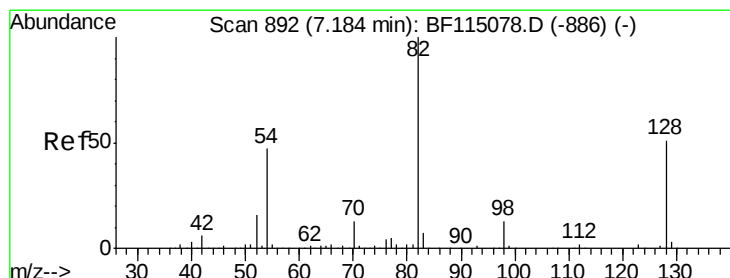
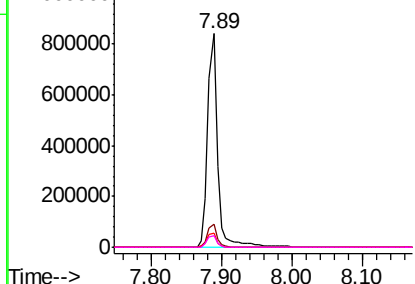
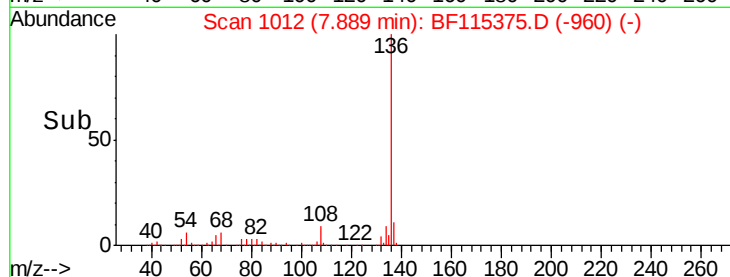
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

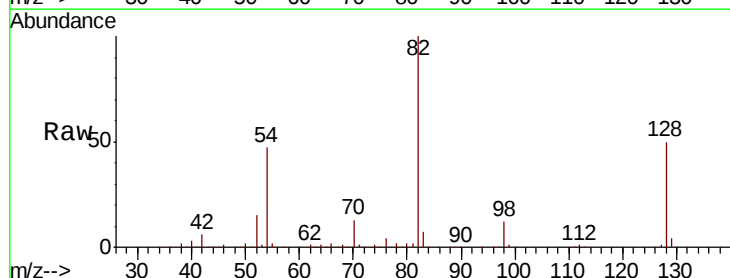
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 60.331 ng
RT: 7.17 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF115375.D
Acq: 2 Jul 2019 22:14

Tgt Ion:	82	Resp:	805826
Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.4	60.6
54	47.2	37.5	56.3

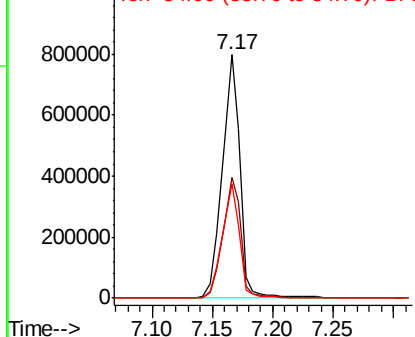
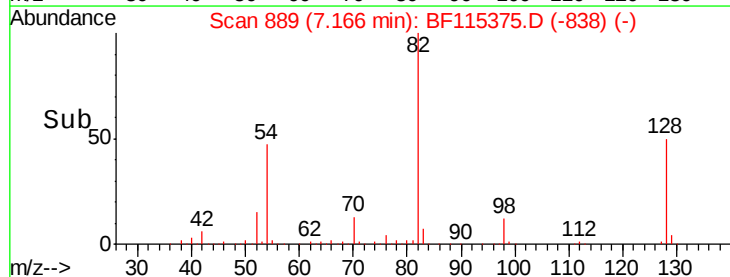


Abundance

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: 28.770 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE

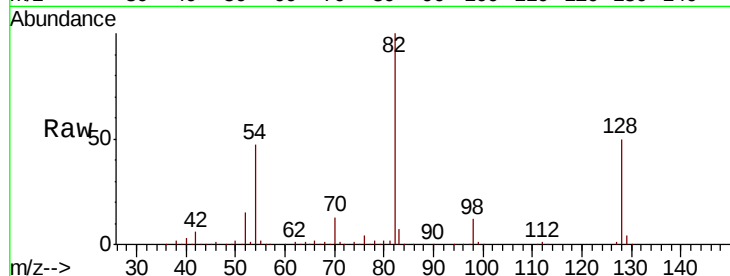
Tgt Ion: 82 Resp: 787201

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

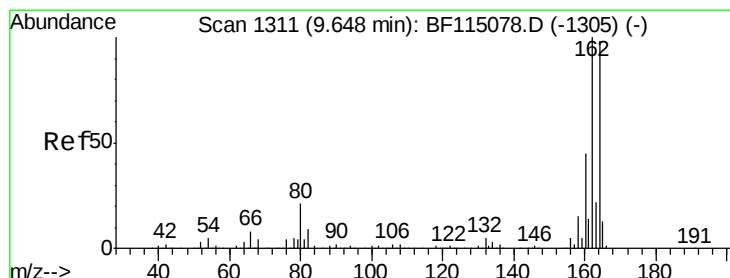
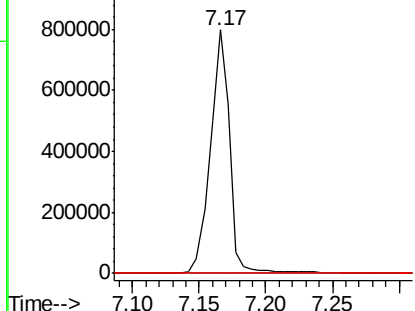
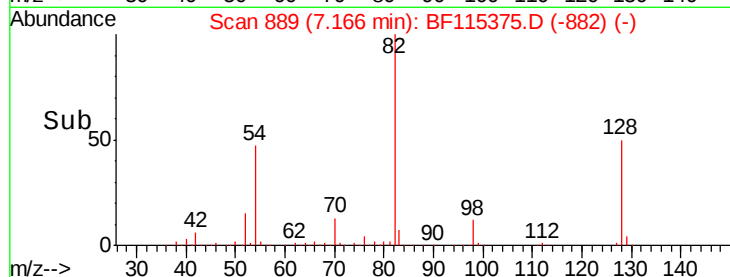
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

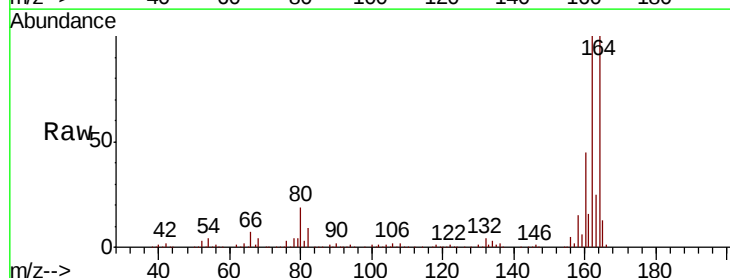
Tgt Ion: 164 Resp: 394041

Ion Ratio Lower Upper

164 100

162 100.4 81.7 122.5

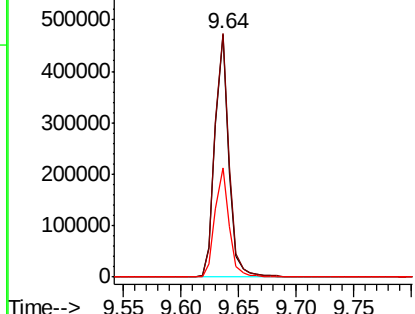
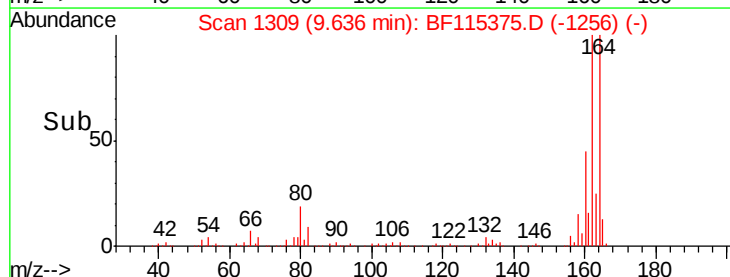
160 45.0 37.0 55.4



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

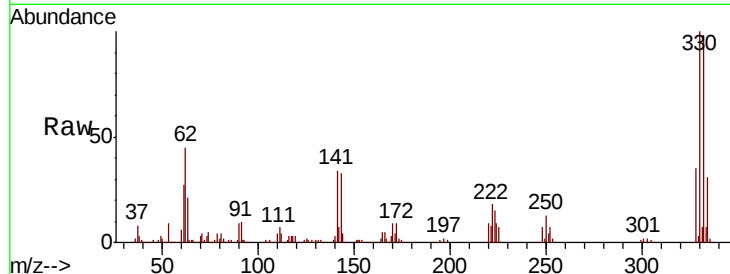




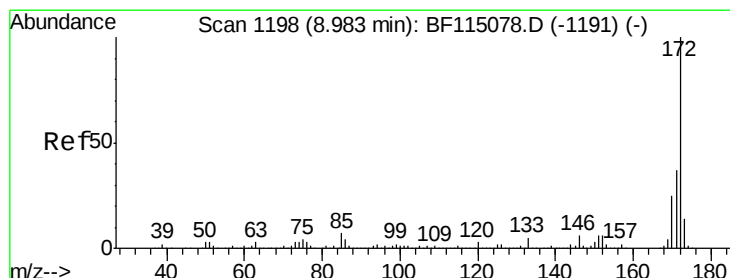
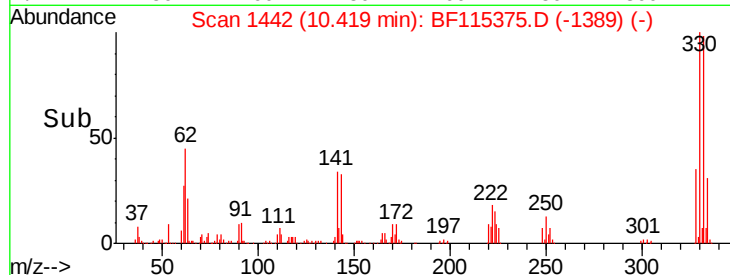
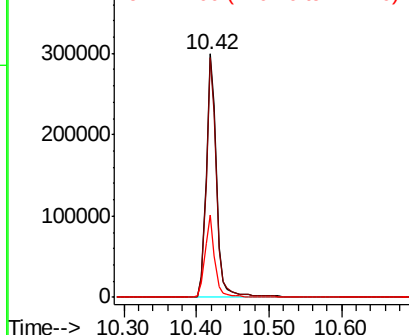
#42
 2,4,6-Tribromophenol
 Concen: 72.033 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE

Tgt Ion:330 Resp: 299319
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.3 115.9
 141 32.2 28.2 42.2

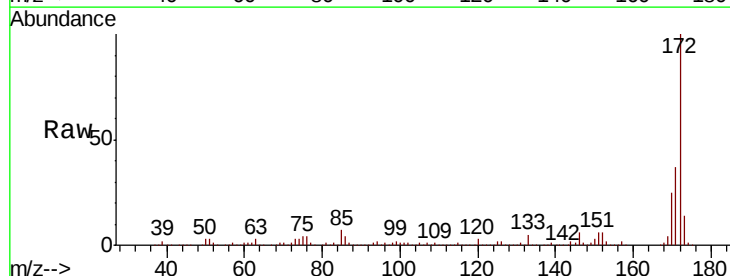


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

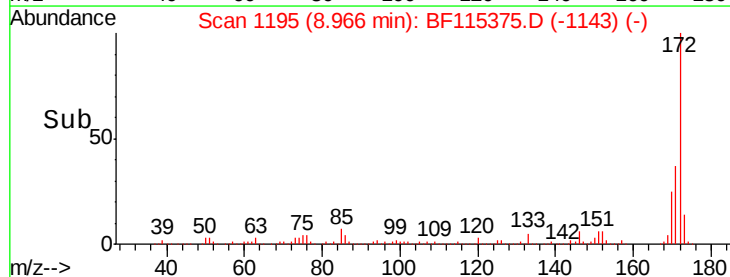
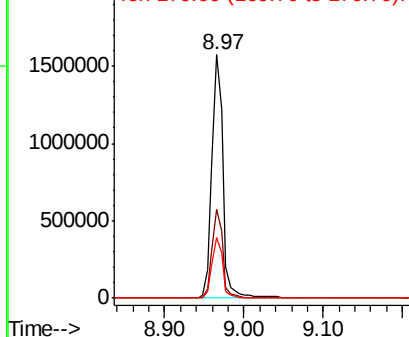


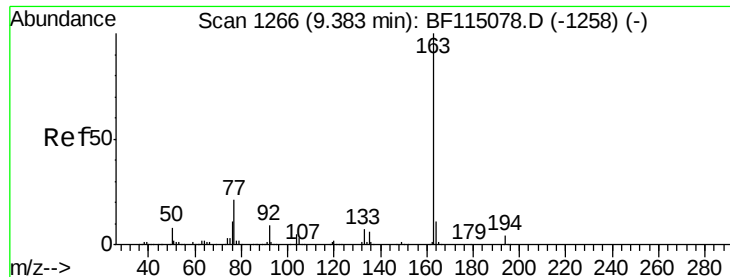
#45
 2-Fluorobiphenyl
 Concen: 65.853 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Tgt Ion:172 Resp: 1527642
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.6
 170 24.6 20.3 30.5



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

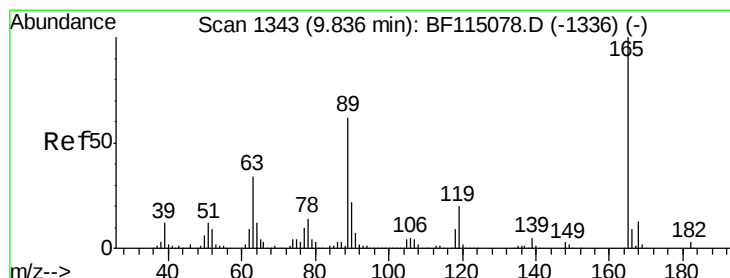
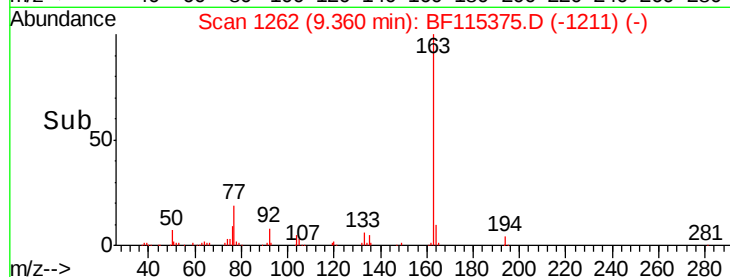
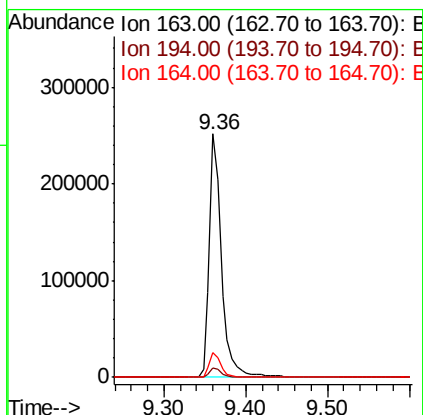
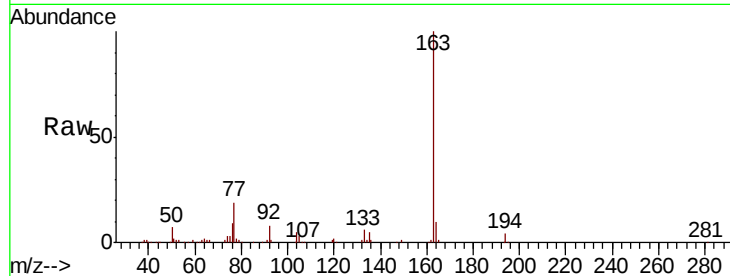




#50
Dimethylphthalate
Concen: 8.999 ng
RT: 9.36 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BF115375.D
Acq: 2 Jul 2019 22:14

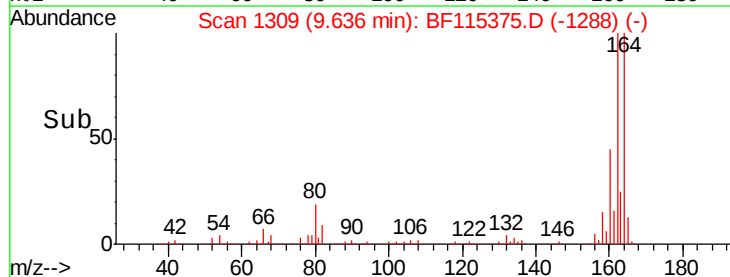
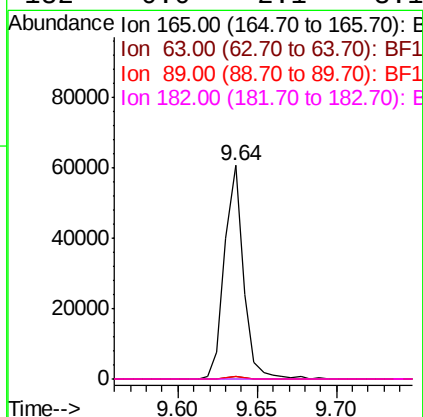
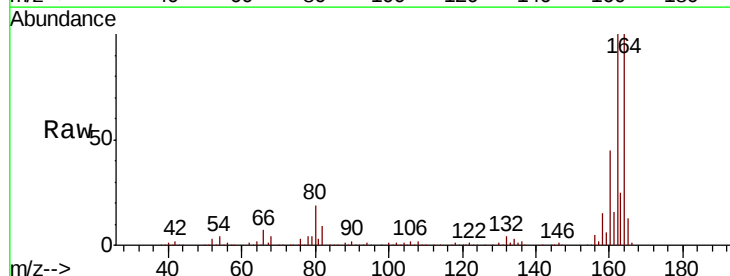
Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILE

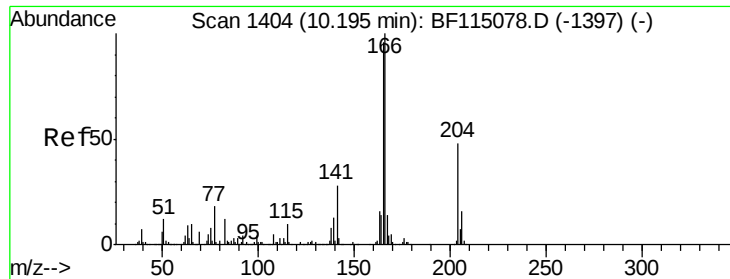
Tgt Ion:163 Resp: 260899
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.4 8.6 13.0



#57
2,4-Dinitrotoluene
Concen: 5.839 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.18 min
Lab File: BF115375.D
Acq: 2 Jul 2019 22:14

Tgt Ion:165 Resp: 50457
Ion Ratio Lower Upper
165 100
63 1.2 27.5 41.3#
89 1.1 49.9 74.9#
182 0.0 2.1 3.1#





#58

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 1442

Delta R.T. 0.25 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE

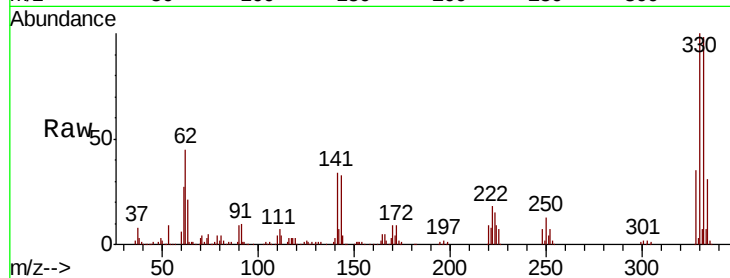
Tgt Ion:166 Resp: 14151

Ion Ratio Lower Upper

166 100

165 108.2 76.5 114.7

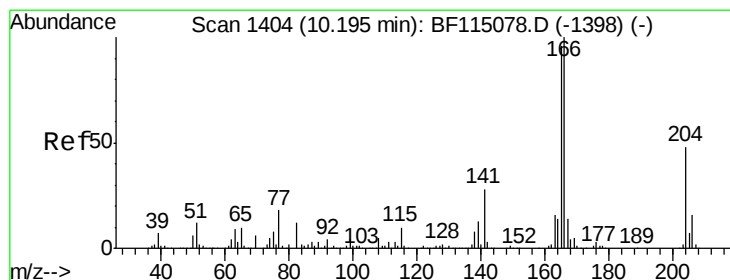
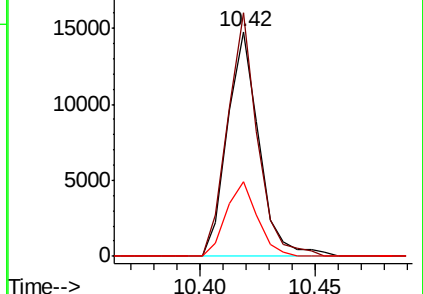
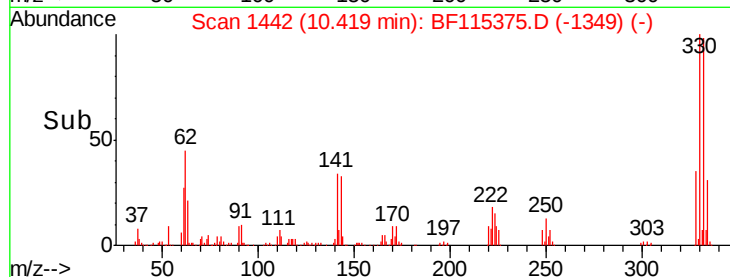
167 33.4 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 9.99 min Scan# 1369

Delta R.T. -0.18 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

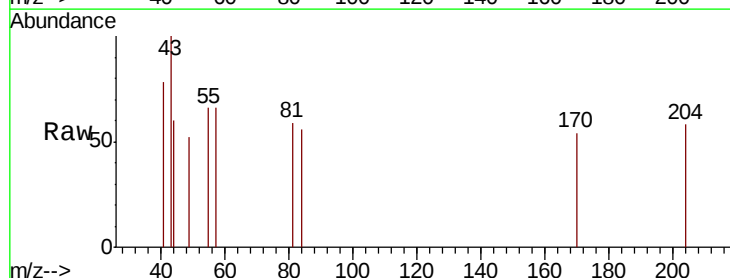
Tgt Ion:204 Resp: 120

Ion Ratio Lower Upper

204 100

206 0.0 26.6 40.0#

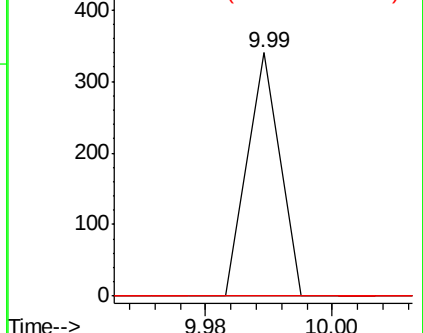
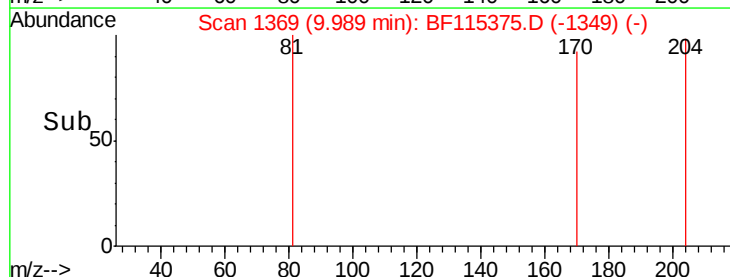
141 0.0 46.7 70.1#

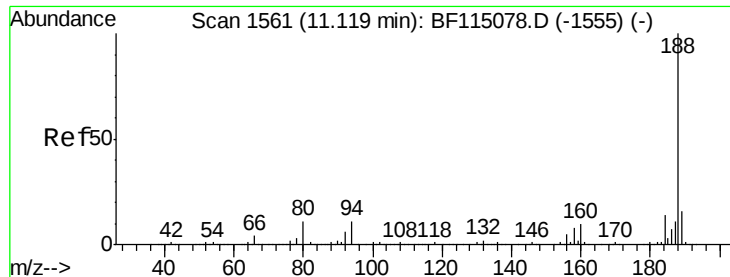


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILE

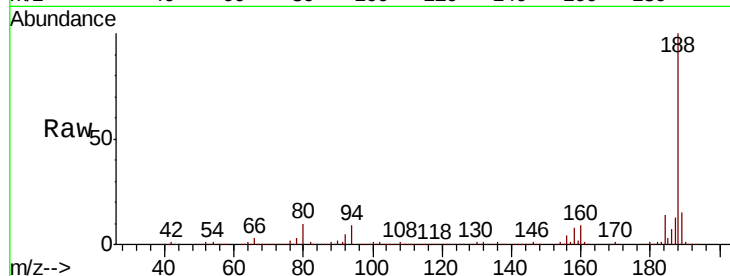
Tgt Ion:188 Resp: 745699

Ion Ratio Lower Upper

188 100

94 9.3 8.6 12.8

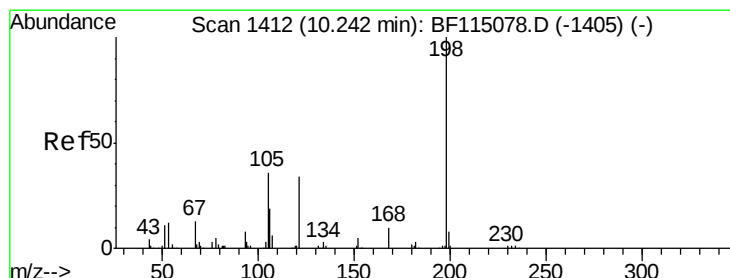
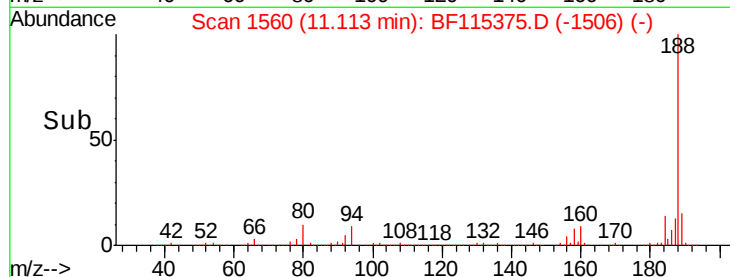
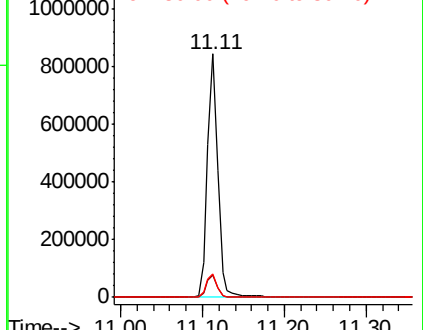
80 9.9 8.8 13.2



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



#65

4,6-Dinitro-2-methylphenol

Concen: 5.086 ng

RT: 10.42 min Scan# 1442

Delta R.T. 0.20 min

Lab File: BF115375.D

Acq: 2 Jul 2019 22:14

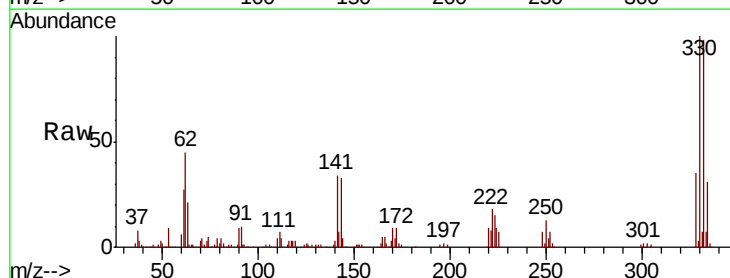
Tgt Ion:198 Resp: 559

Ion Ratio Lower Upper

198 100

51 194.7 11.0 51.0#

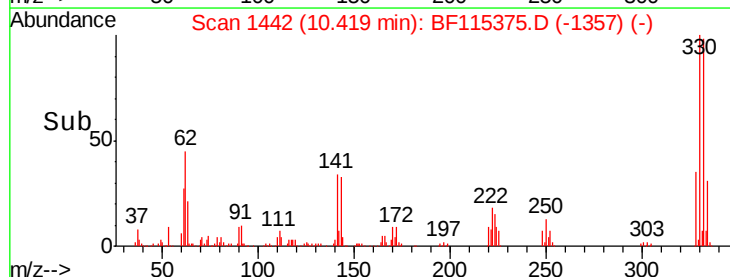
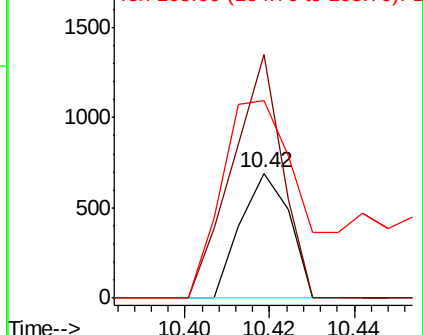
105 157.9 17.3 57.3#

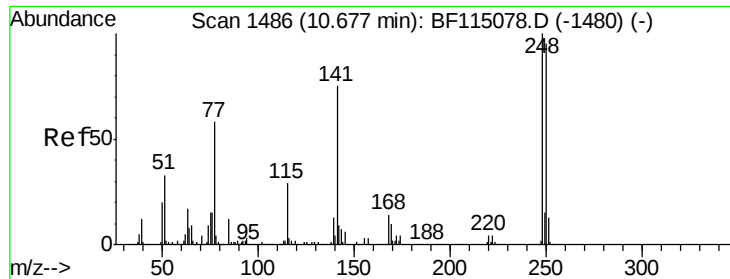


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

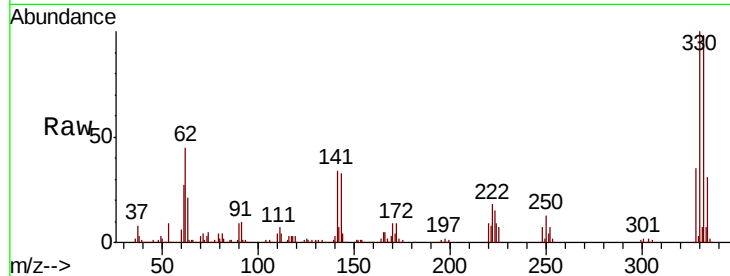




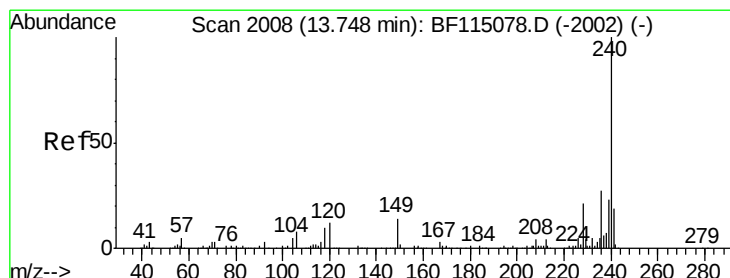
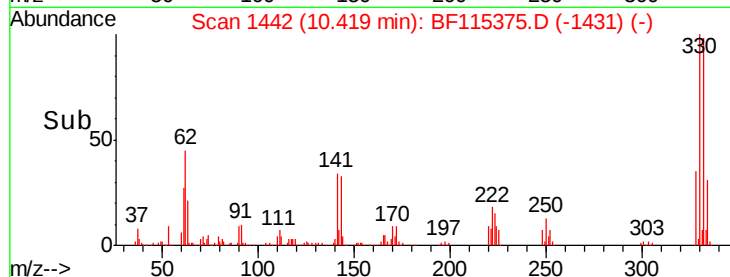
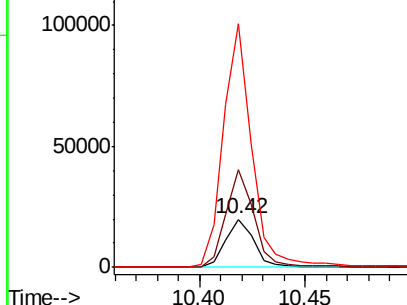
#67
 4-Bromophenyl-phenylether
 Concen: 2.304 ng
 RT: 10.42 min Scan# 1442
 Delta R.T. -0.24 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE

Tgt Ion:248 Resp: 18630
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.2 114.2#
 141 506.8 59.6 89.4#

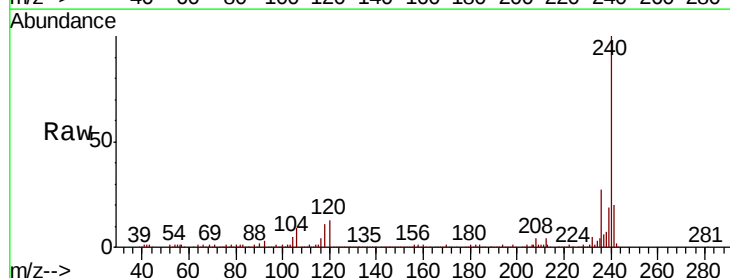


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

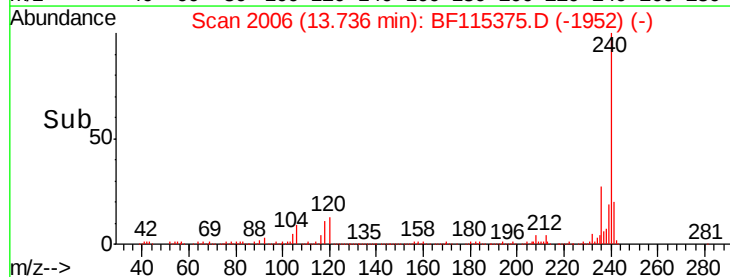
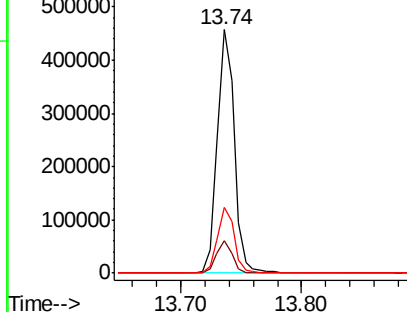


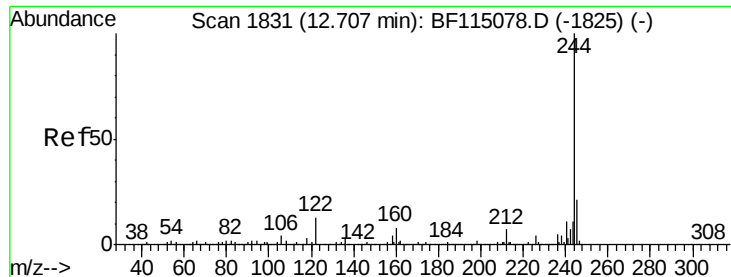
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2006
 Delta R.T. 0.02 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Tgt Ion:240 Resp: 439581
 Ion Ratio Lower Upper
 240 100
 120 13.1 9.4 14.2
 236 26.9 21.7 32.5



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

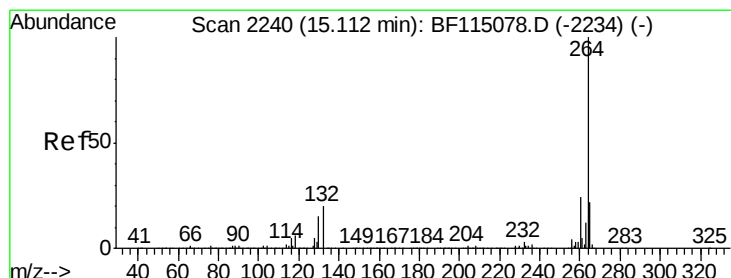
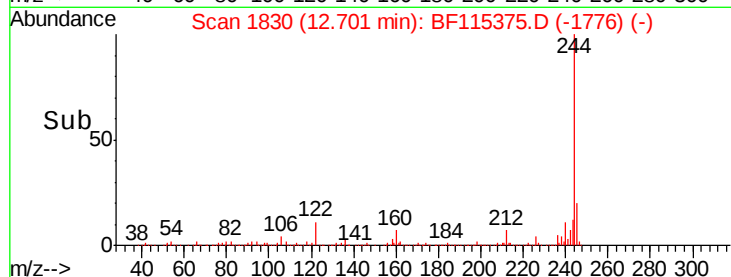
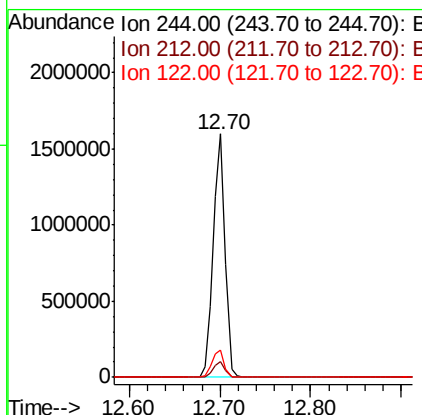
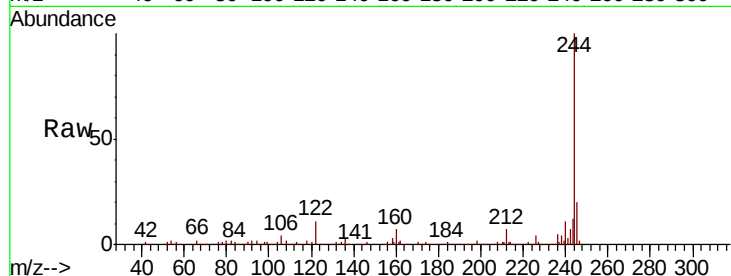




#79
 Terphenyl-d14
 Concen: 71.111 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. 0.02 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILE

Tgt Ion:244 Resp: 1470207
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 11.4 10.4 15.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.11 min Scan# 2239
 Delta R.T. 0.02 min
 Lab File: BF115375.D
 Acq: 2 Jul 2019 22:14

Tgt Ion:264 Resp: 481724
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.6 29.4
 265 21.3 17.3 25.9

