

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113887.D
 Acq On : 22 Apr 2019 19:38
 Operator : JU/SJ
 Sample : K2510-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-A

Quant Time: Apr 23 03:55:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	187806	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	704492	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	365786	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	671653	20.00	ng	0.00
76) Chrysene-d12	14.05	240	451232	20.00	ng	-0.02
87) Perylene-d12	15.55	264	490123	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1176206	107.12	ng	0.00
7) Phenol-d6	6.52	99	1516648	110.09	ng	0.00
23) Nitrobenzene-d5	7.45	82	915256	80.22	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	468454	105.13	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1759170	75.22	ng	0.00
79) Terphenyl-d14	13.00	244	1799657	81.77	ng	0.00

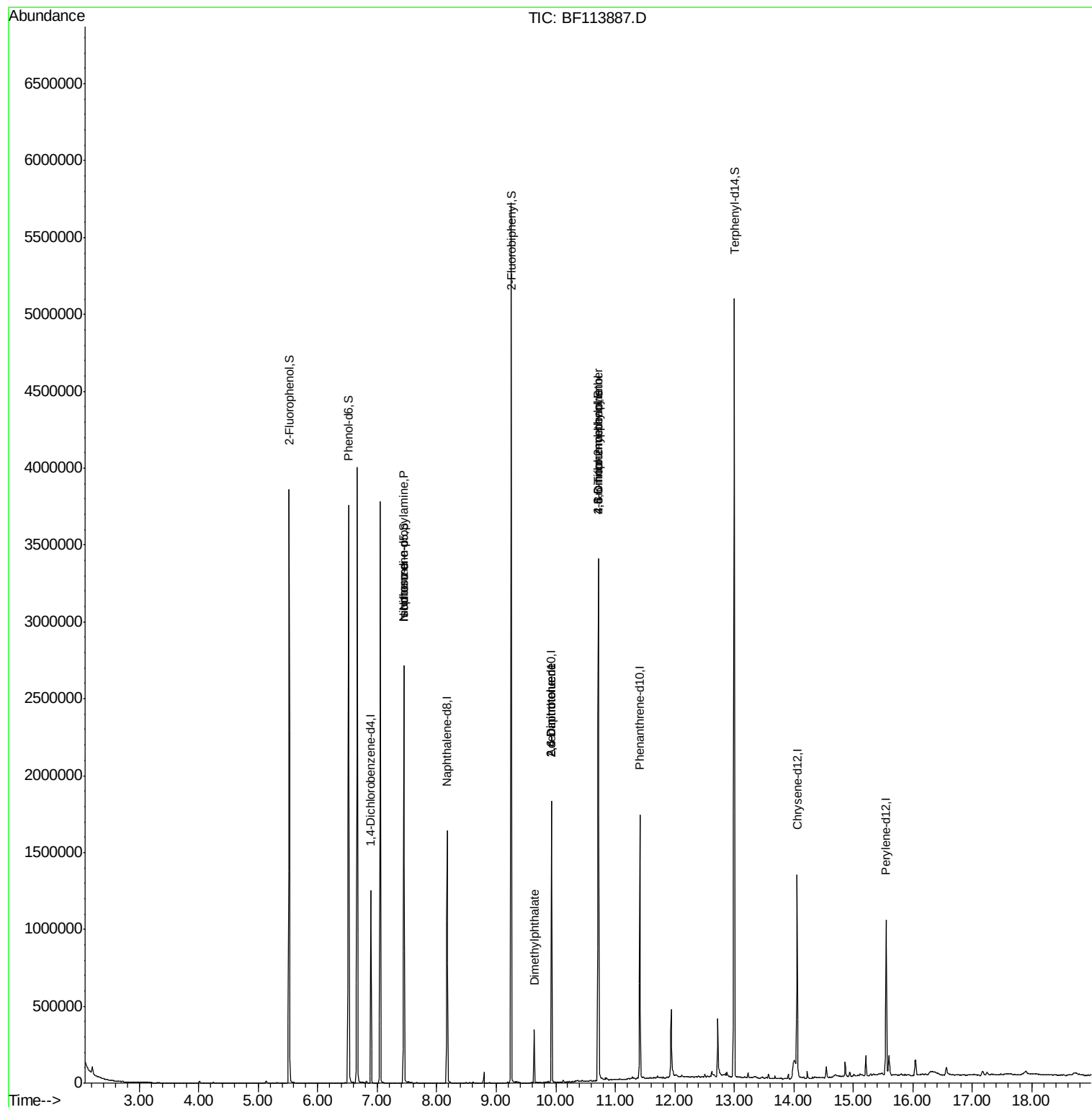
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	2324	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	122419	13.722	ng	# 77
25) Isophorone	7.45	82	915246	39.203	ng	# 65
50) Dimethylphthalate	9.64	163	139500	5.273	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	46308	8.159	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	46308	6.464	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	729	7.509	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	28880	3.559	ng	# 1

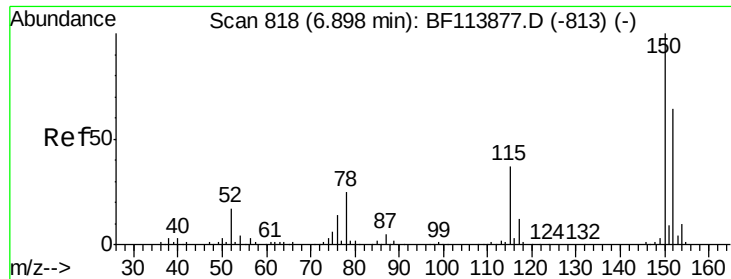
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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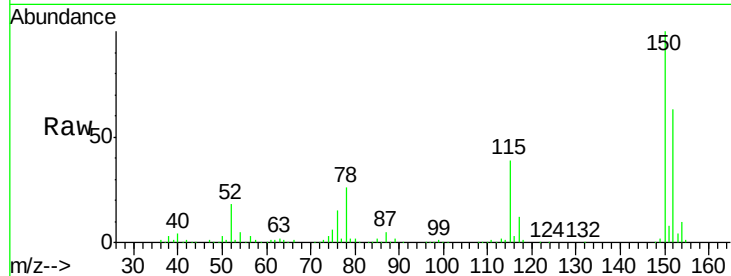


#1

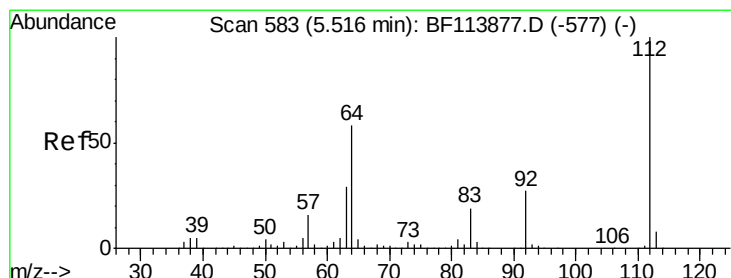
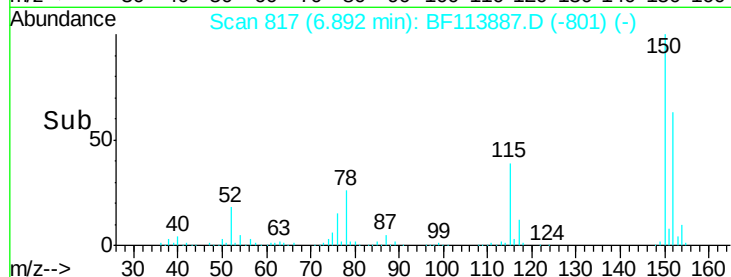
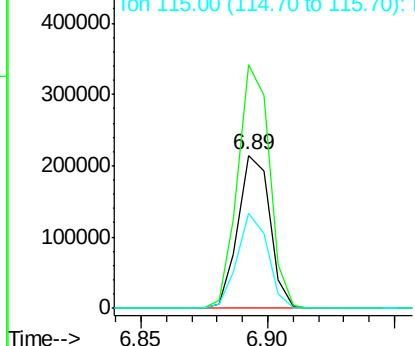
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113887.D
Acq: 22 Apr 2019 19:38

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-A

Tot Ion:152 Resp: 187806
Ion Ratio Lower Upper
152 100
150 159.3 125.9 188.9
115 62.4 45.9 68.9



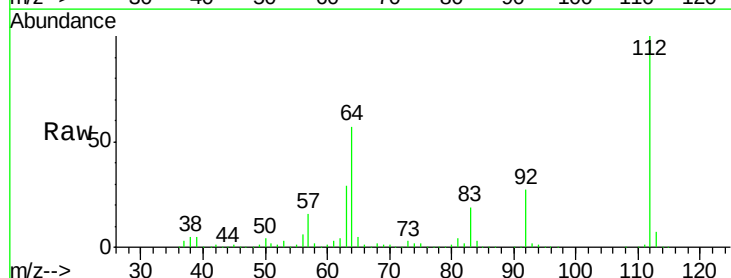
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



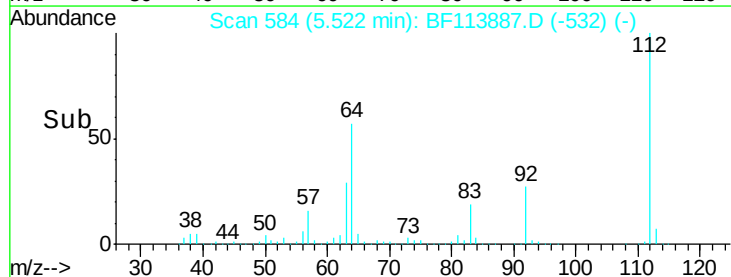
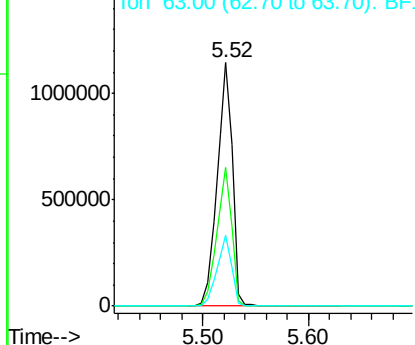
#5

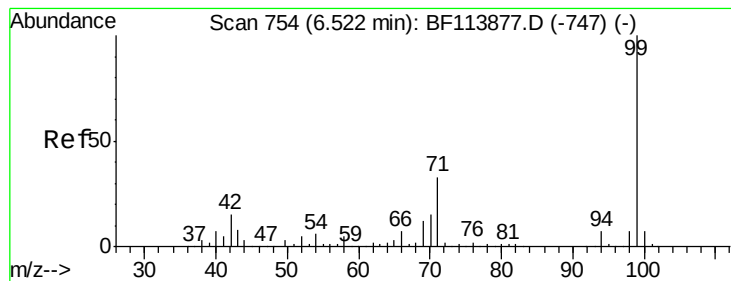
2-Fluorophenol
Concen: 107.117 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113887.D
Acq: 22 Apr 2019 19:38

Tgt Ion:112 Resp: 1176206
Ion Ratio Lower Upper
112 100
64 57.2 46.6 69.8
63 29.1 23.1 34.7



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: 110.091 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-A

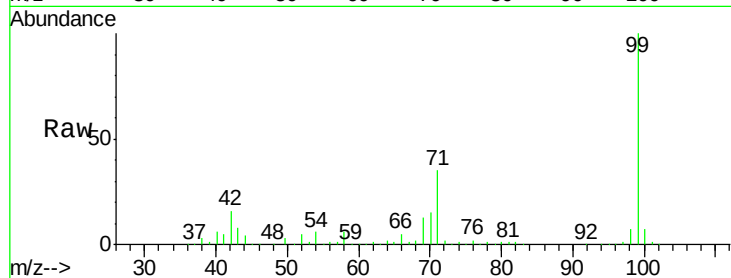
Tot Ion: 99 Resp: 1516648

Ion Ratio Lower Upper

99 100

42 15.5 12.5 18.7

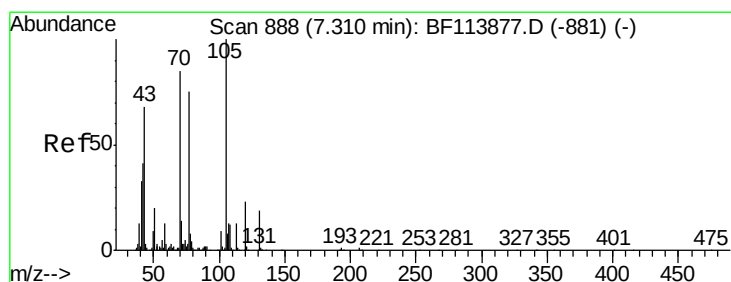
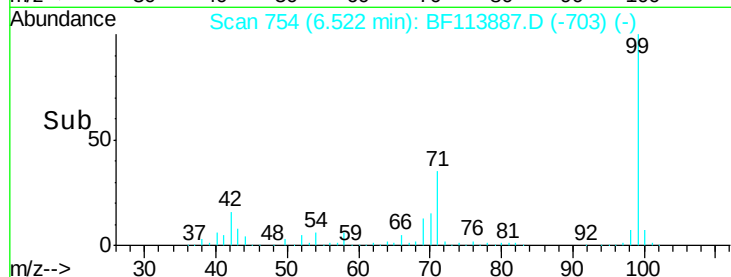
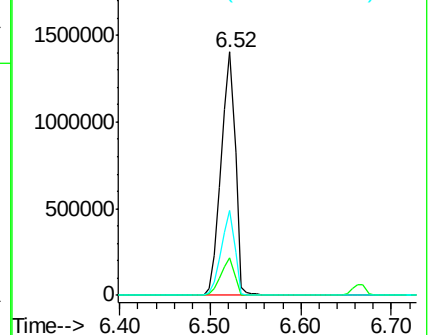
71 34.6 26.9 40.3



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: 13.722 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

Tgt Ion: 70 Resp: 122419

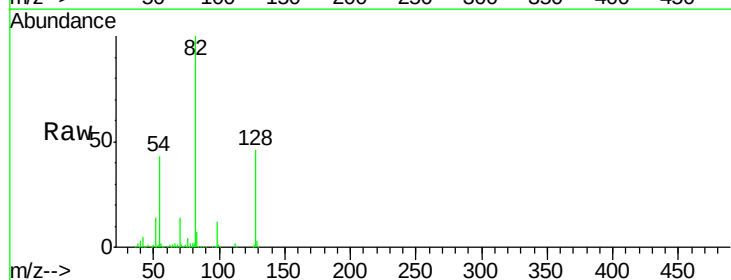
Ion Ratio Lower Upper

70 100

42 38.1 37.3 55.9

101 0.0 7.8 11.8#

130 2.2 18.2 27.2#

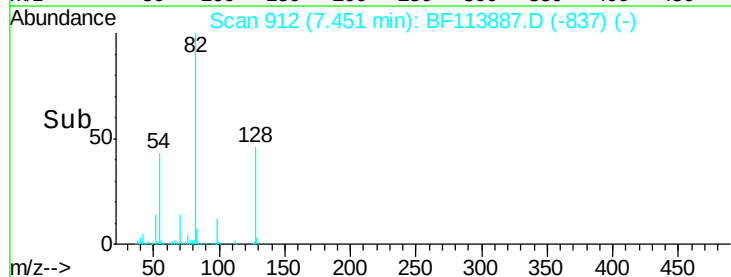
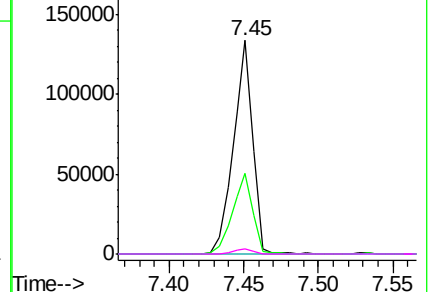


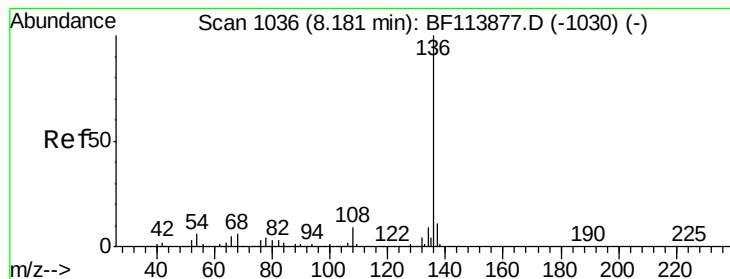
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

Instrument :

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Tot Ion:136 Resp: 704492

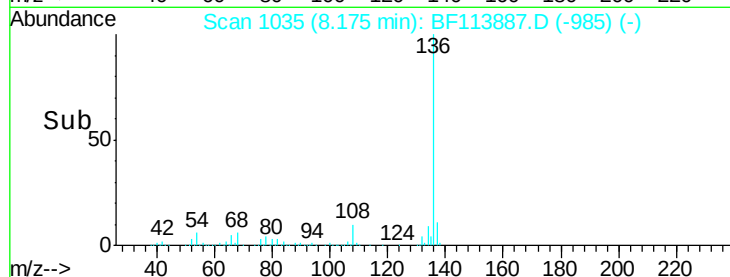
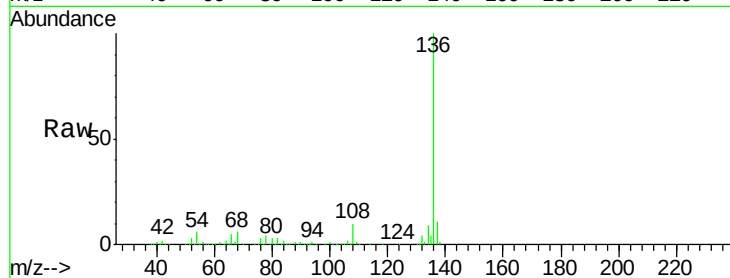
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.5 5.0 7.6

68 6.5 4.9 7.3

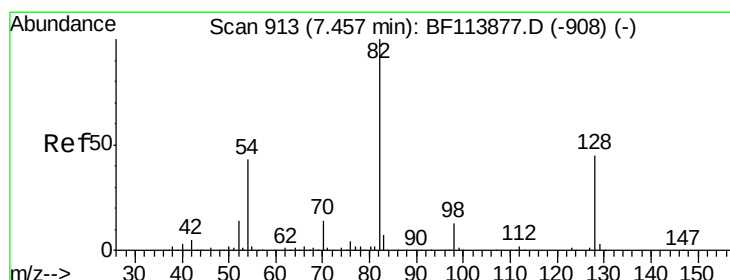
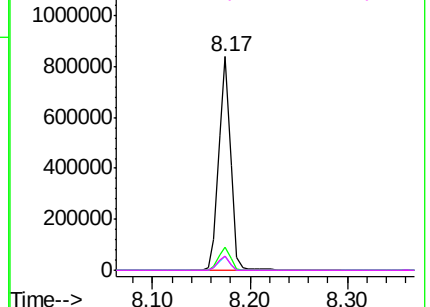


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.216 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

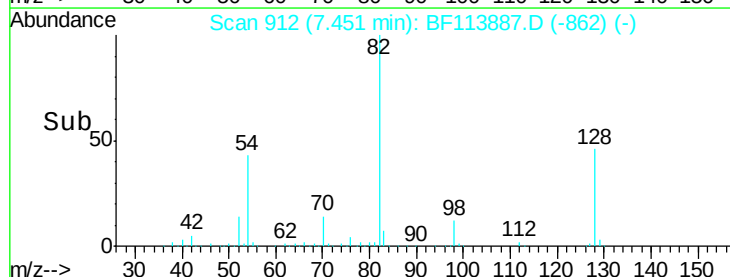
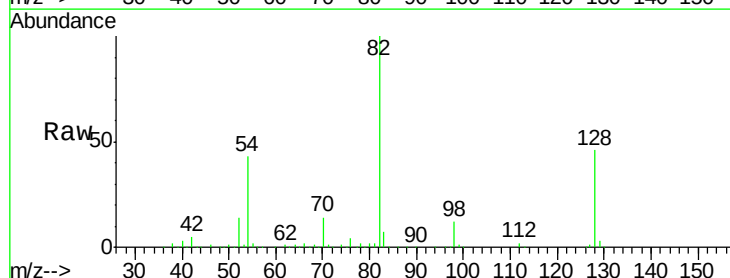
Tgt Ion: 82 Resp: 915256

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

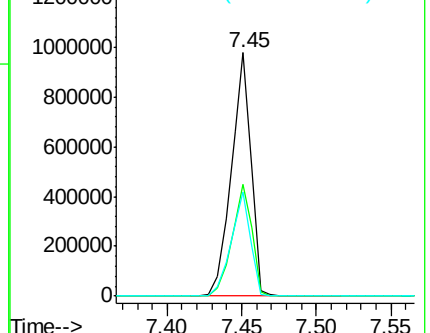
54 42.5 33.8 50.6

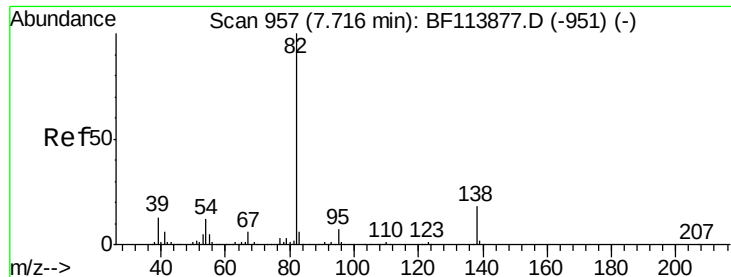


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.203 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

Instrument :

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ClientSampleId :

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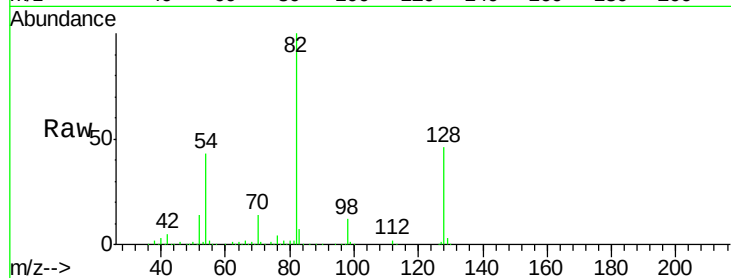
Tot Ion: 82 Resp: 915246

Ion Ratio Lower Upper

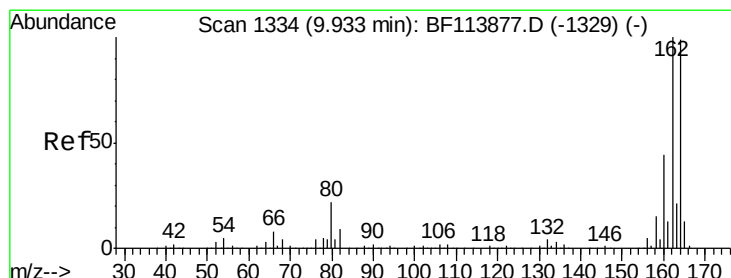
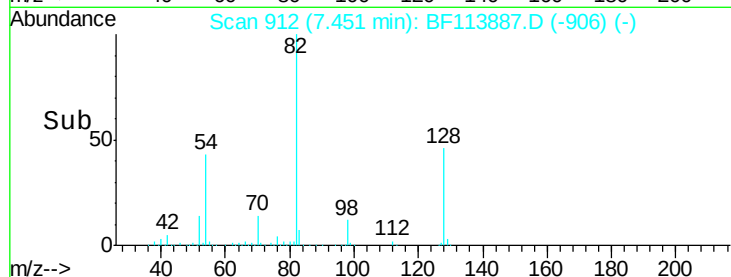
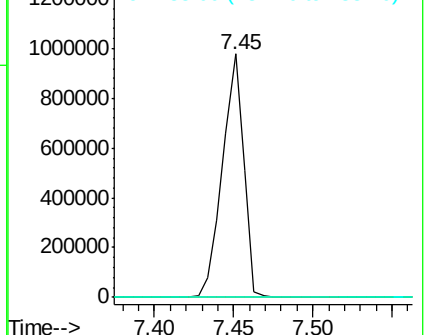
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

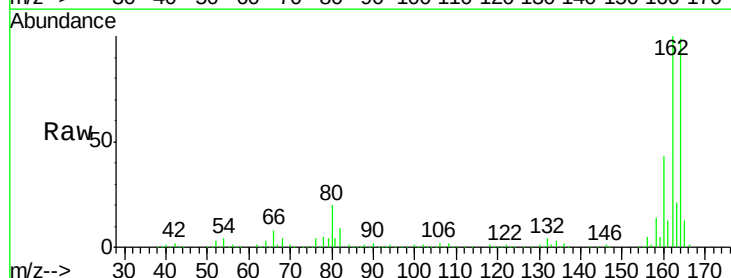
Tgt Ion:164 Resp: 365786

Ion Ratio Lower Upper

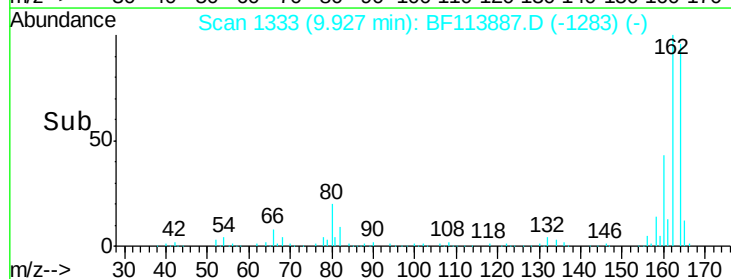
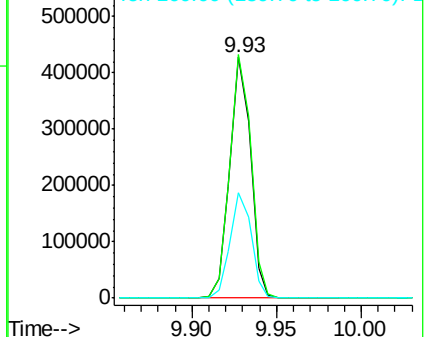
164 100

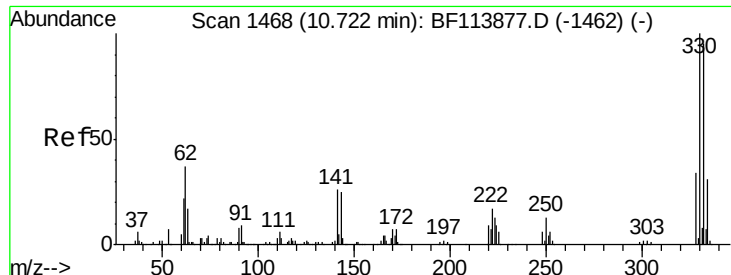
162 101.1 81.1 121.7

160 43.8 35.8 53.6



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: 105.128 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113887.D

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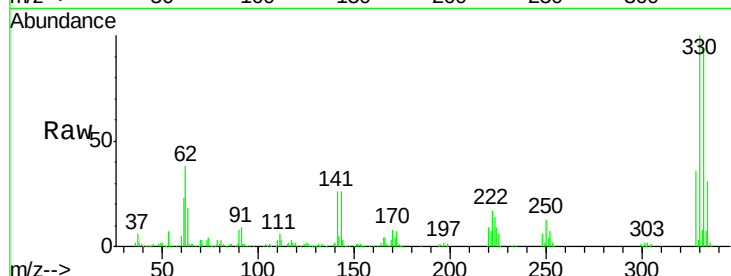
Tot Ion:330 Resp: 468454

Ion Ratio Lower Upper

330 100

332 96.2 77.5 116.3

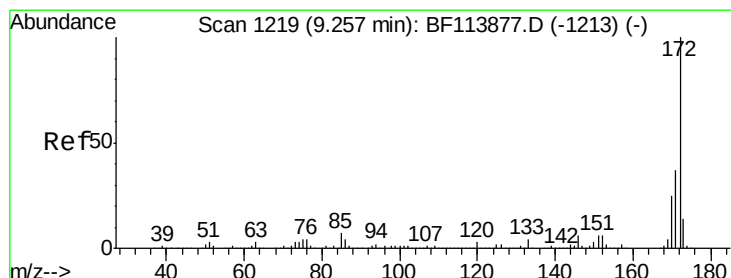
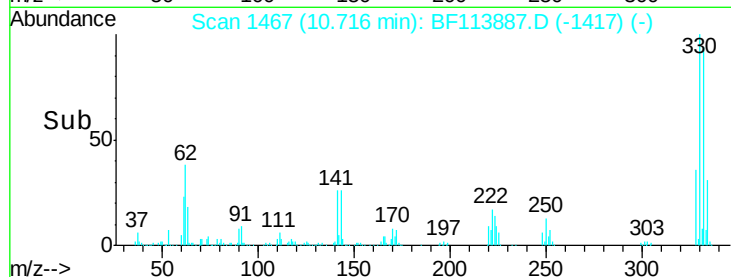
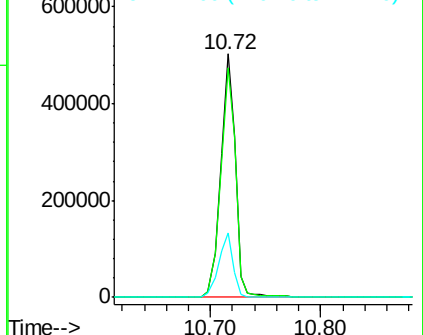
141 26.2 22.2 33.2



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: 75.218 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

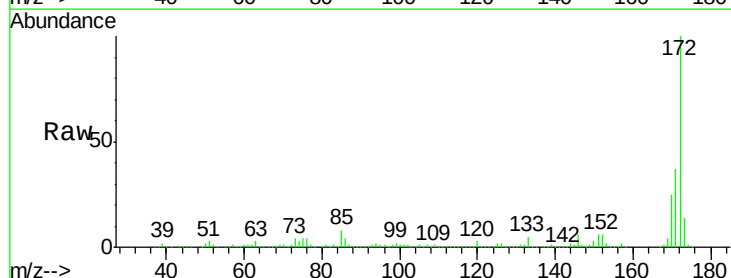
Tgt Ion:172 Resp: 1759170

Ion Ratio Lower Upper

172 100

171 37.1 29.4 44.0

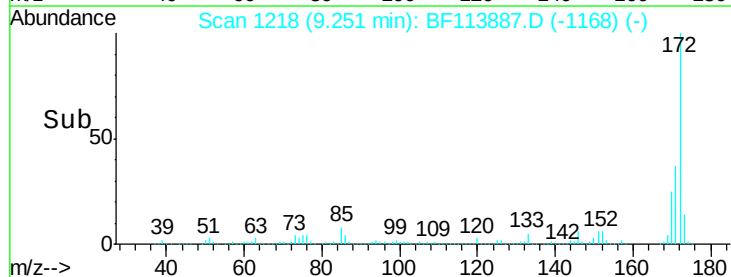
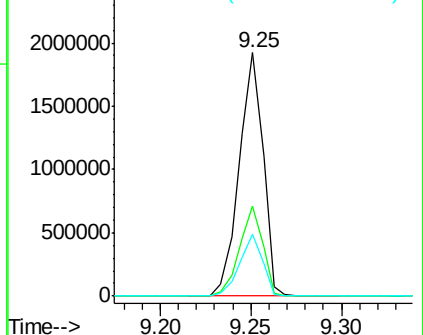
170 25.4 19.9 29.9

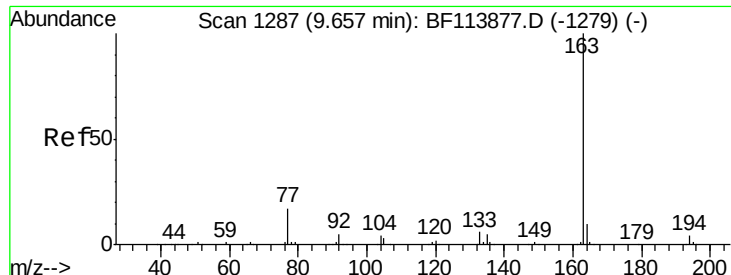


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.273 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113887.D

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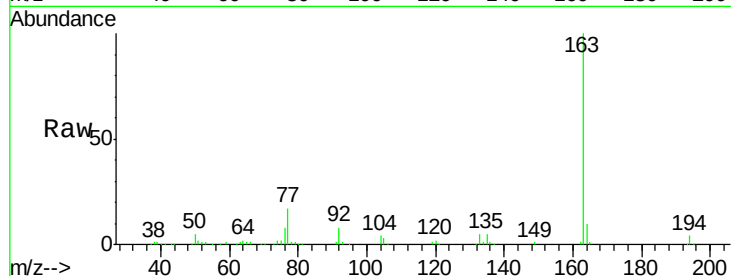
Tot Ion:163 Resp: 139500

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

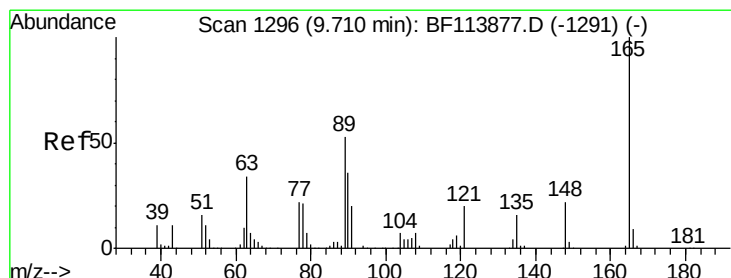
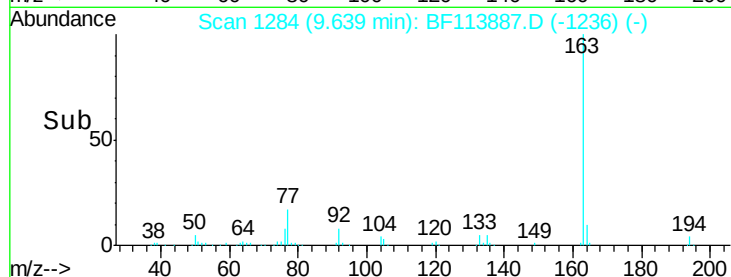
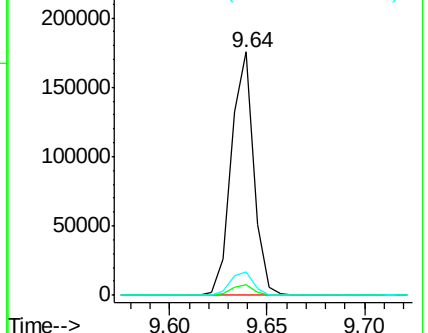
164 9.8 8.5 12.7



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: 8.159 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

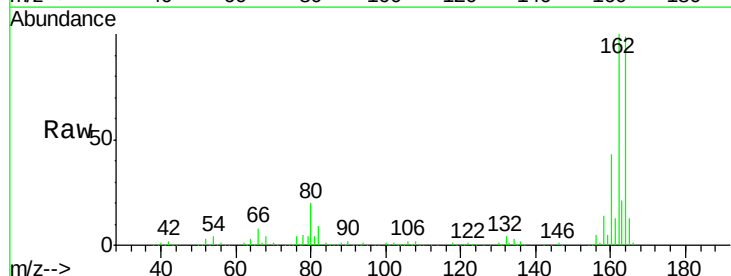
Tgt Ion:165 Resp: 46308

Ion Ratio Lower Upper

165 100

63 1.3 33.8 50.8#

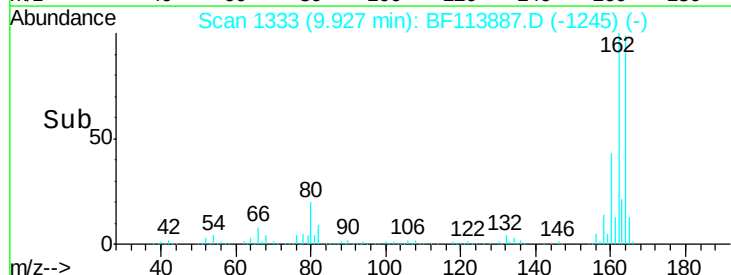
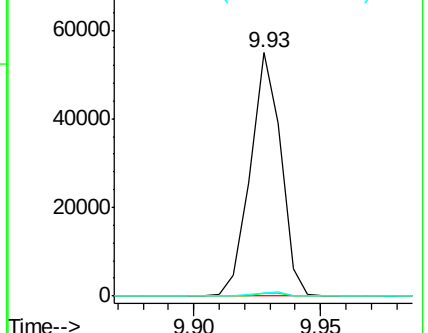
89 1.3 38.2 57.2#

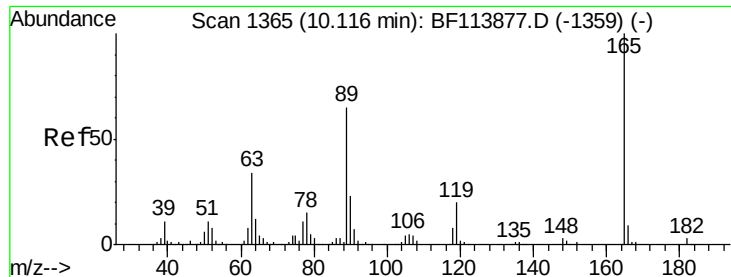


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

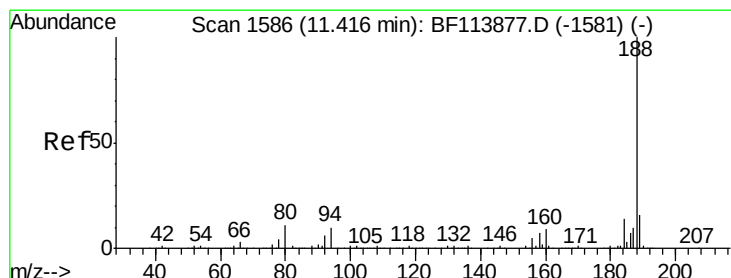
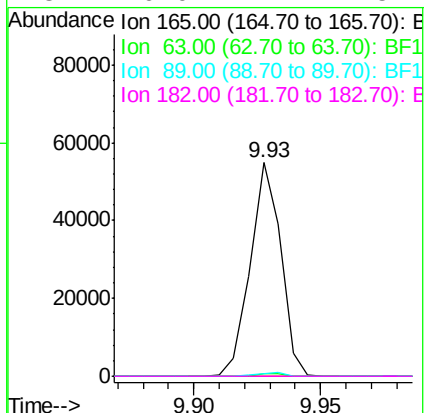
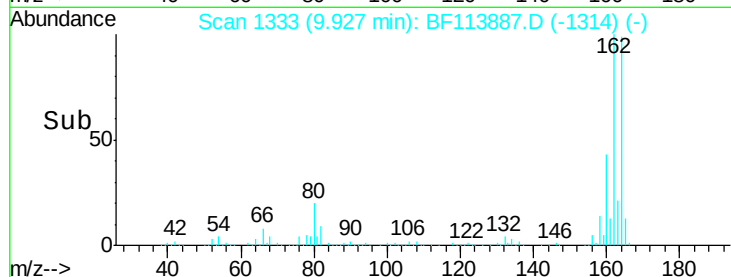
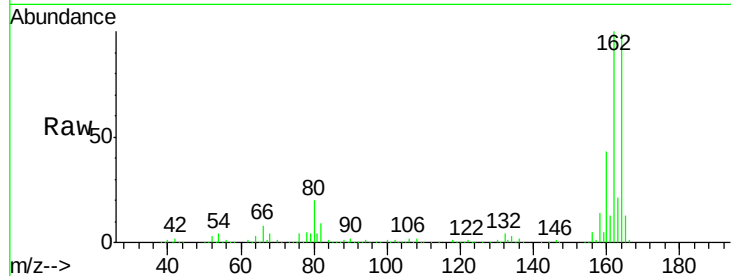




#57
 2,4-Dinitrotoluene
 Concen: 6.464 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF113887.D
 Acq: 22 Apr 2019 19:38

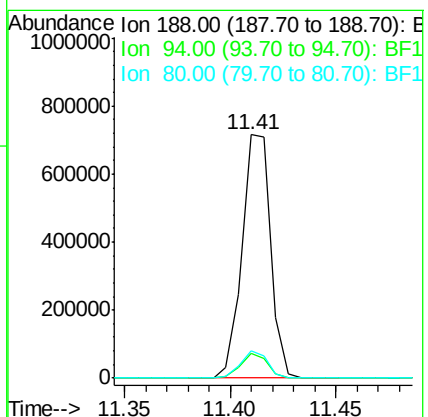
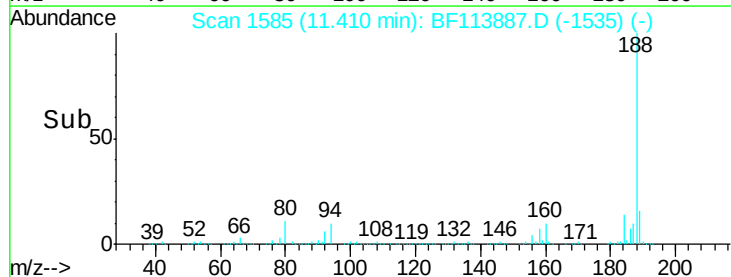
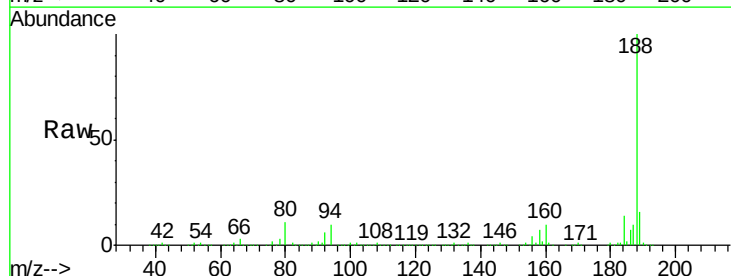
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-A

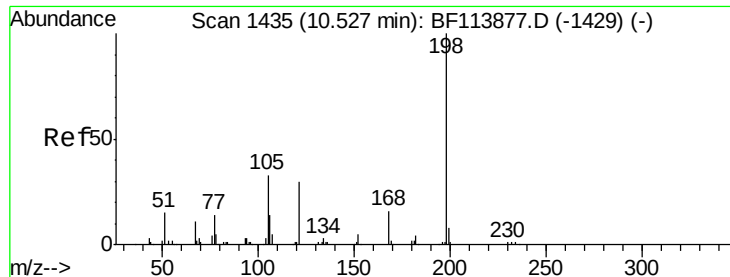
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.4	41.0#
89	1.3	51.8	77.6#
182	0.0	2.2	3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF113887.D
 Acq: 22 Apr 2019 19:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.4
80	11.5	9.0	13.6

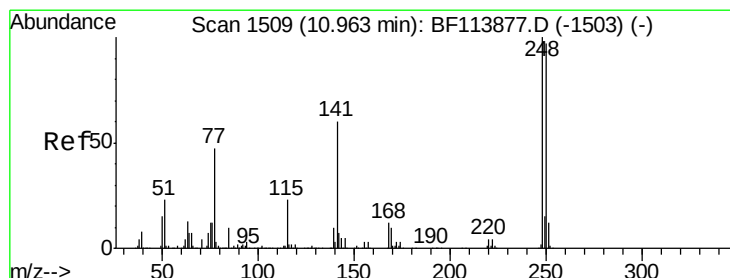
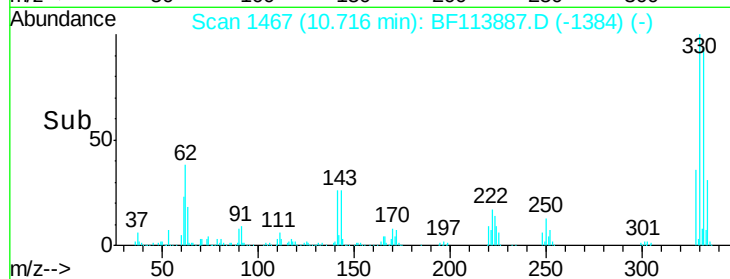
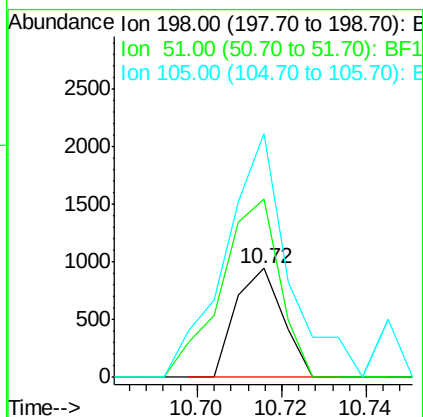
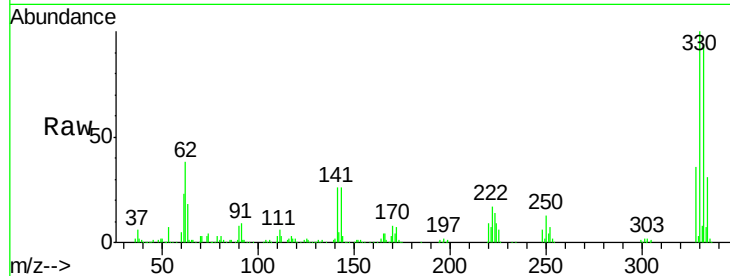




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.509 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113887.D
 Acq: 22 Apr 2019 19:38

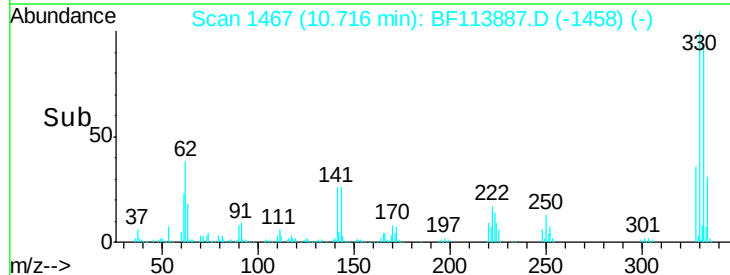
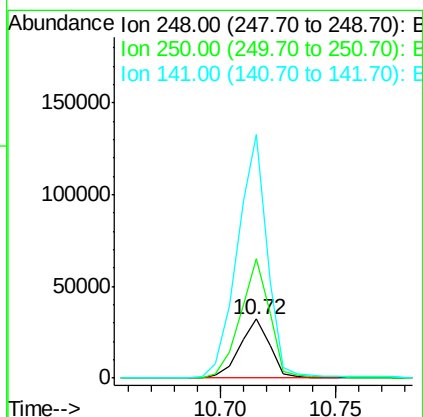
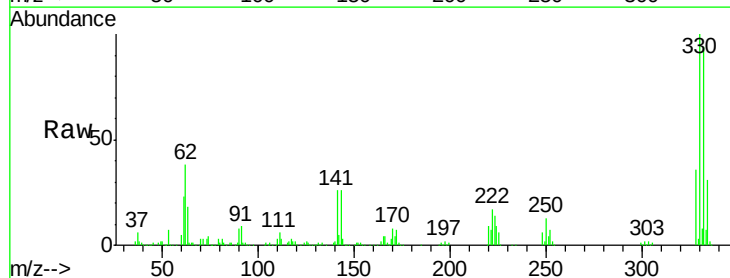
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-A

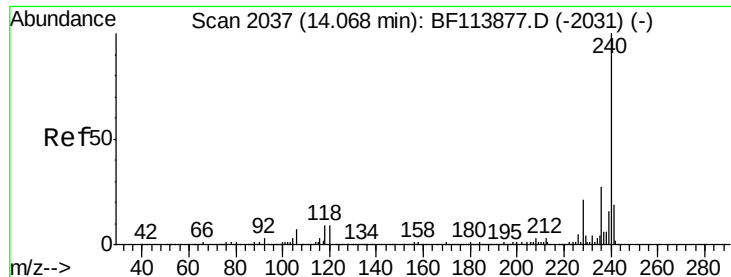
Tot Ion:198 Resp: 729
 Ion Ratio Lower Upper
 198 100
 51 163.9 11.1 51.1#
 105 223.5 20.7 60.7#



#67
 4-Bromophenyl-phenylether
 Concen: 3.559 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113887.D
 Acq: 22 Apr 2019 19:38

Tgt Ion:248 Resp: 28880
 Ion Ratio Lower Upper
 248 100
 250 203.3 75.8 113.6#
 141 412.3 50.2 75.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-A

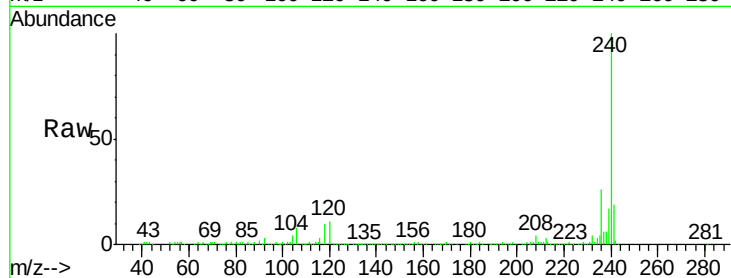
Tot Ion:240 Resp: 451232

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

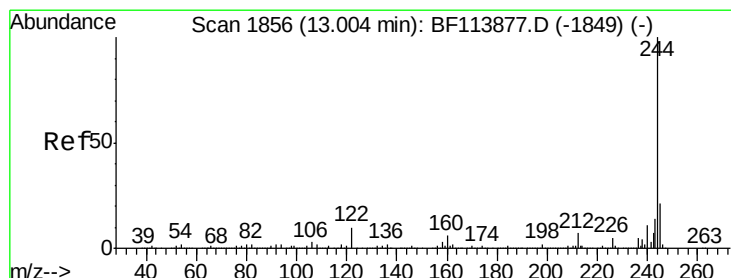
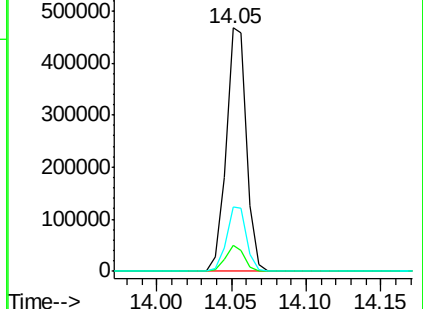
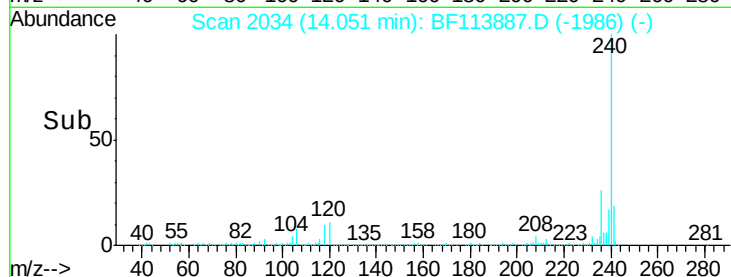
236 26.3 21.2 31.8



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: 81.766 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113887.D

Acq: 22 Apr 2019 19:38

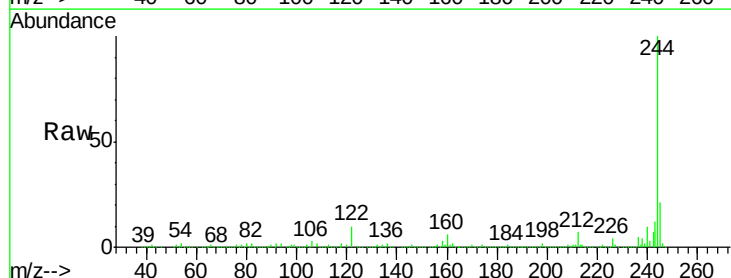
Tgt Ion:244 Resp: 1799657

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

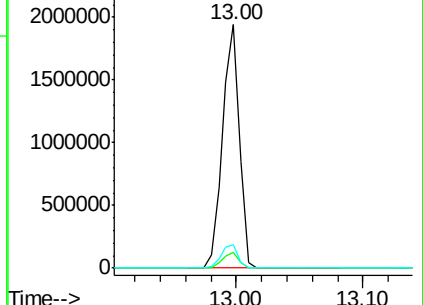
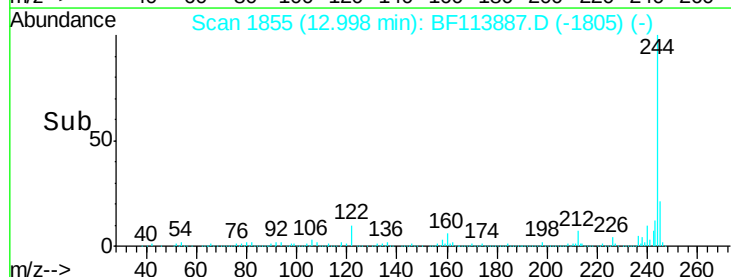
122 9.8 7.6 11.4

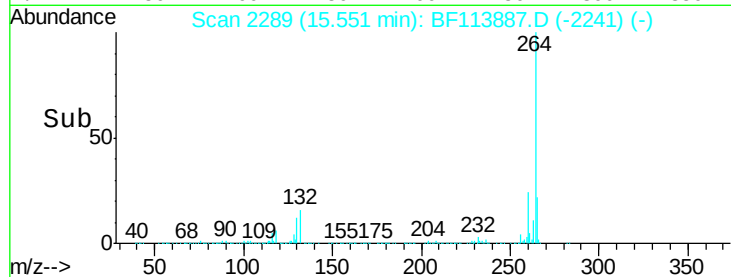
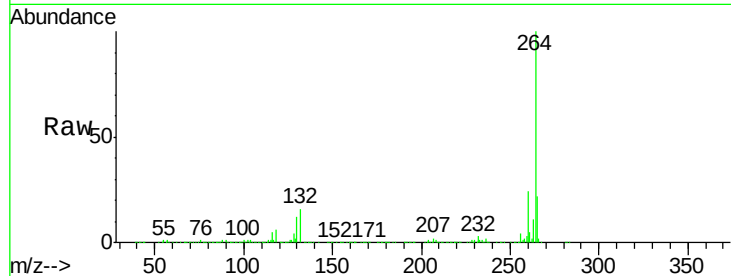
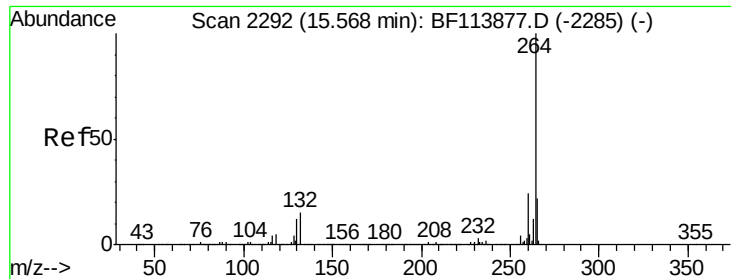


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF113887.D
Acq: 22 Apr 2019 19:38

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.1	17.3	25.9

