

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113917.D
 Acq On : 23 Apr 2019 13:54
 Operator : JU/SJ
 Sample : K2532-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 15:38:54 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

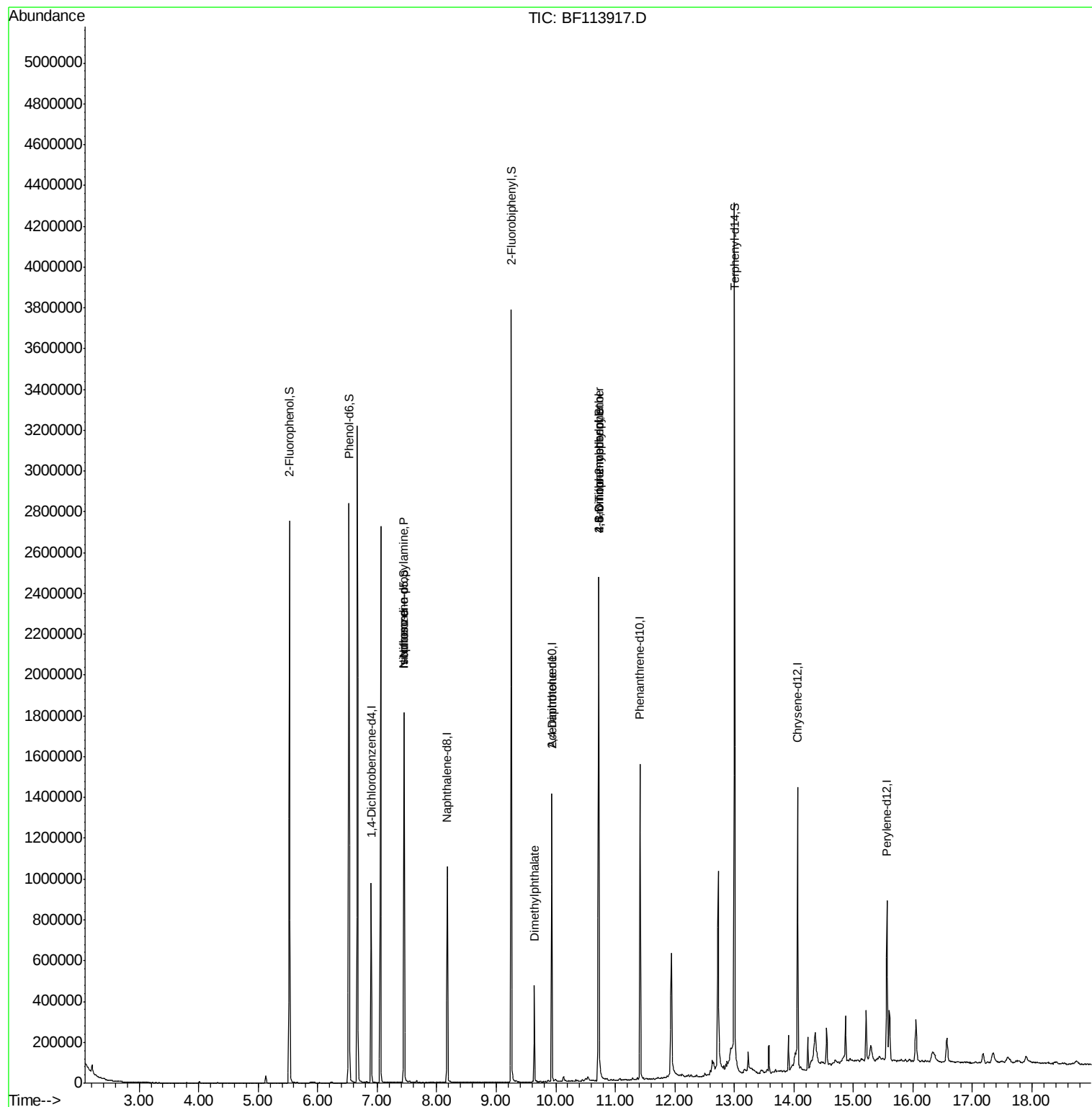
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137156	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	519988	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	277581	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	568679	20.00	ng	0.00
76) Chrysene-d12	14.06	240	423719	20.00	ng	0.00
87) Perylene-d12	15.57	264	392062	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	849176	105.89	ng	0.01
7) Phenol-d6	6.53	99	1101370	109.47	ng	0.00
23) Nitrobenzene-d5	7.45	82	686492	81.51	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	359067	106.19	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1262844	71.15	ng	0.00
79) Terphenyl-d14	13.00	244	1450682	70.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	21366	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.45	70	91636	14.065 ng	#	78
25) Isophorone	7.45	82	686486	39.838 ng	#	65
50) Dimethylphthalate	9.64	163	192163	9.572 ng		99
57) 2,4-Dinitrotoluene	9.93	165	35712	6.569 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	409	7.441 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	21821	3.176 ng	#	1

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

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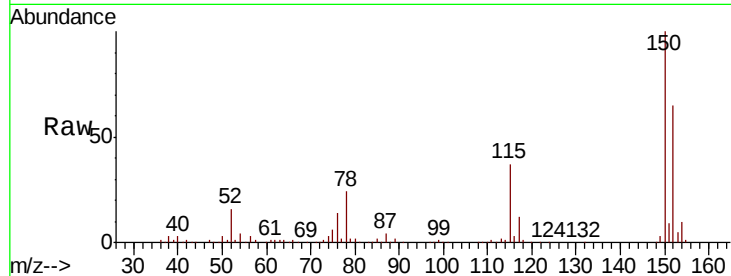


#1

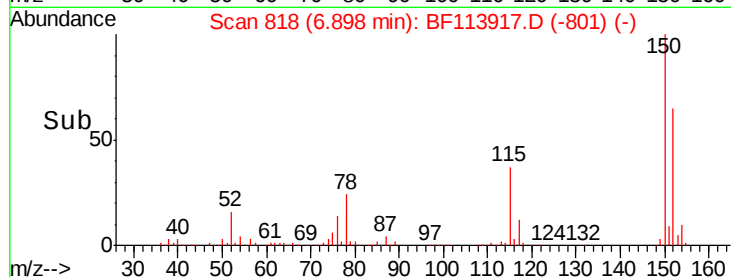
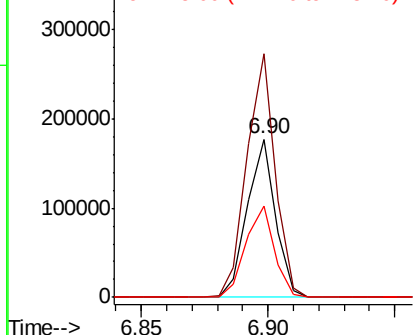
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113917.D
Acq: 23 Apr 2019 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137156
Ion Ratio Lower Upper
152 100
150 154.1 125.9 188.9
115 57.7 45.9 68.9



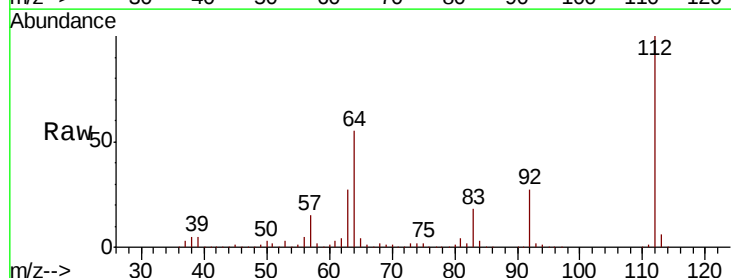
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



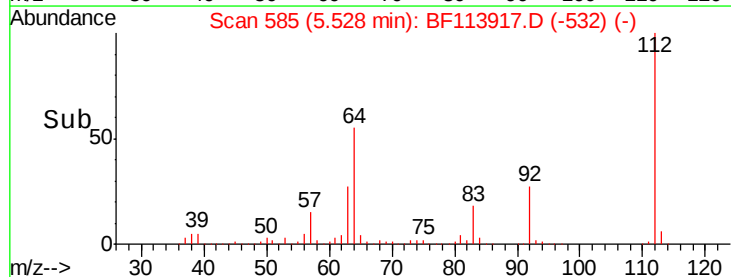
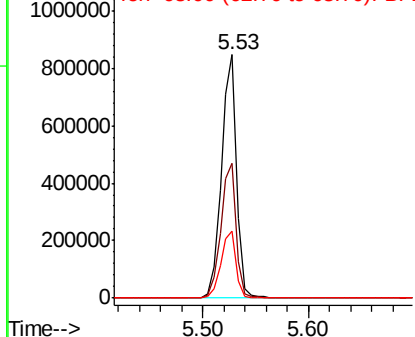
#5

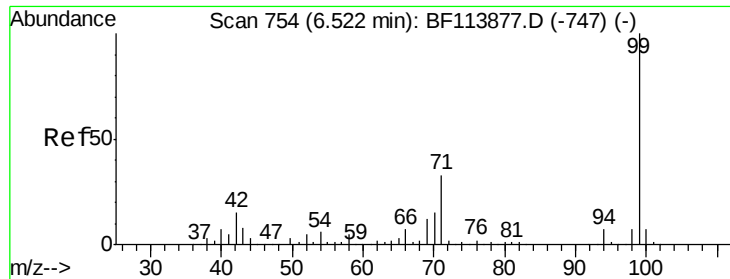
2-Fluorophenol
Concen: 105.893 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF113917.D
Acq: 23 Apr 2019 13:54

Tgt Ion:112 Resp: 849176
Ion Ratio Lower Upper
112 100
64 55.3 46.6 69.8
63 27.4 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: 109.469 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

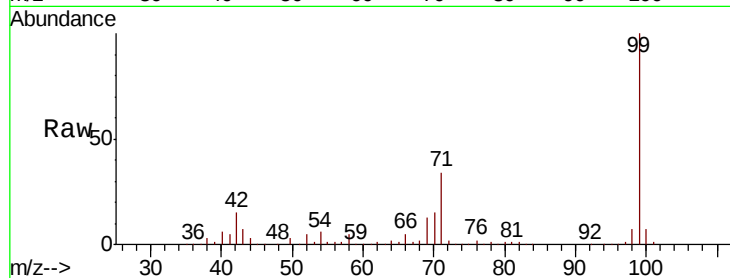
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1101370

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.5	18.7
71	34.2	26.9	40.3

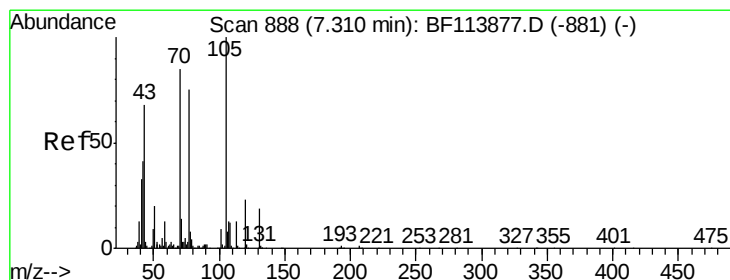
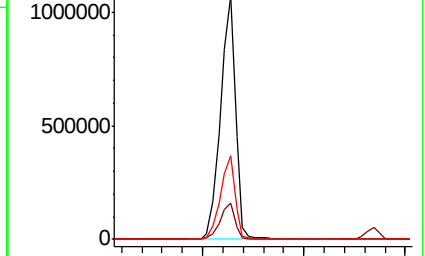
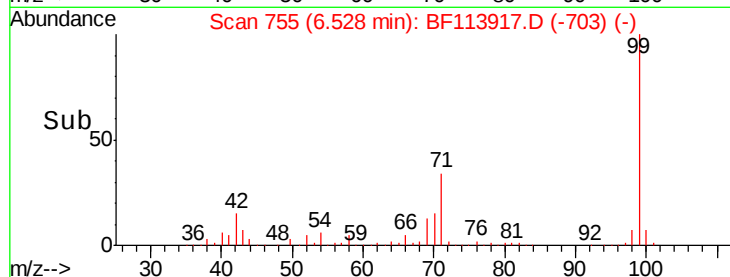


Abundance

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: 14.065 ng

RT: 7.45 min Scan# 912

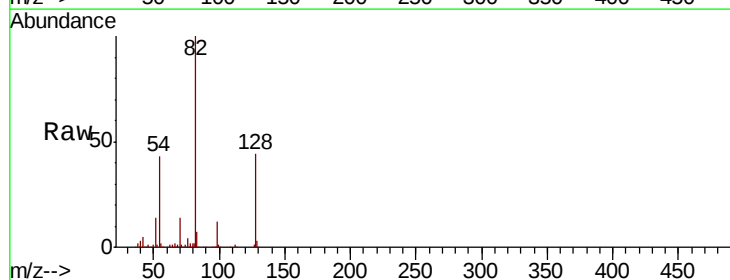
Delta R.T. 0.14 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Tgt Ion: 70 Resp: 91636

Ion	Ratio	Lower	Upper
70	100		
42	39.7	37.3	55.9
101	0.0	7.8	11.8#
130	1.9	18.2	27.2#



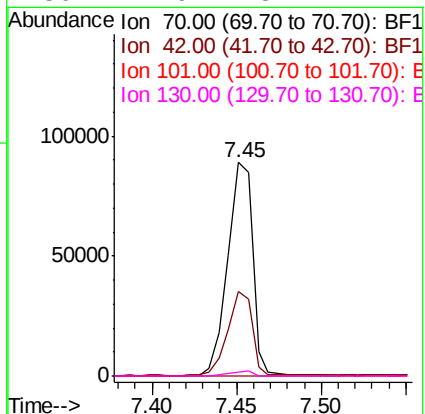
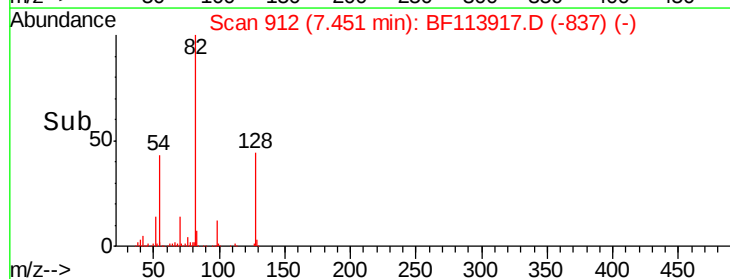
Abundance

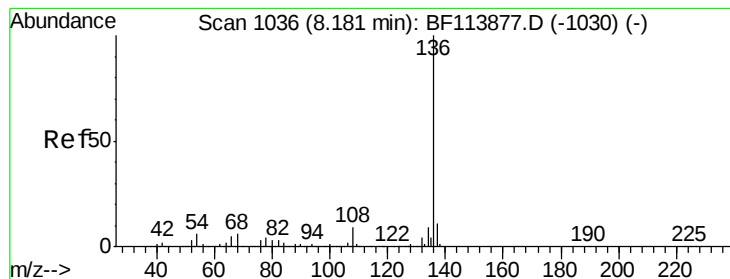
Ion 70.00 (69.70 to 70.70): BF1

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: BF113917.D

Acq: 23 Apr 2019 13:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 519988

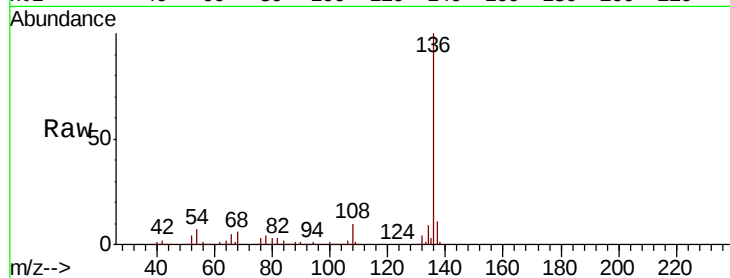
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.9 5.0 7.6

68 6.5 4.9 7.3

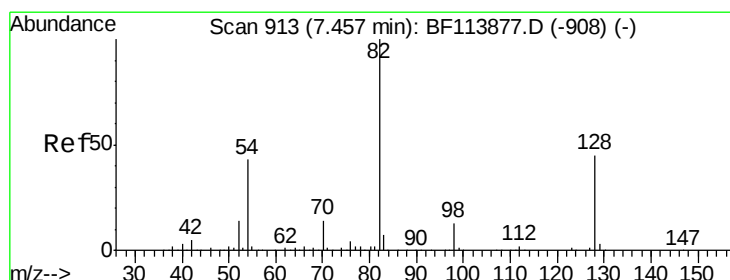
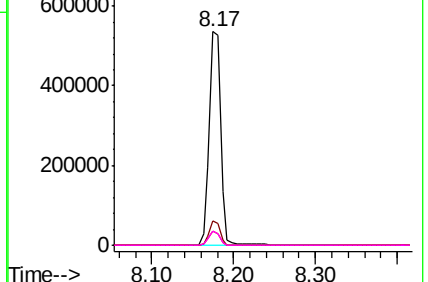
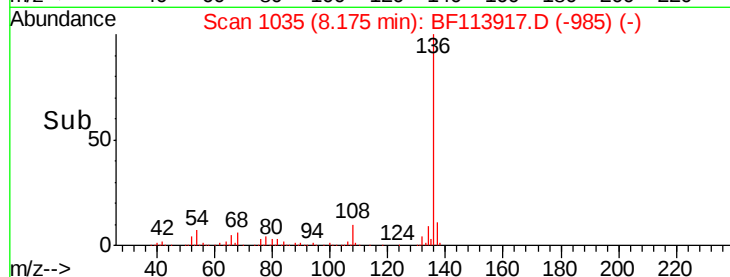


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.515 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

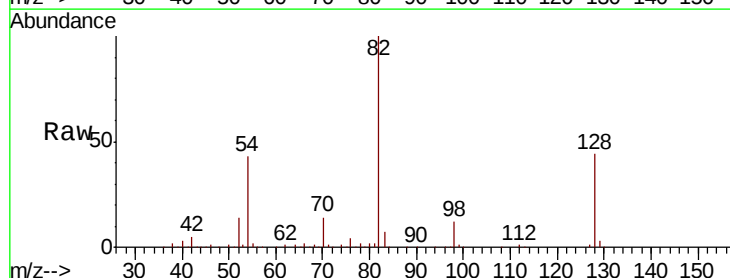
Tgt Ion: 82 Resp: 686492

Ion Ratio Lower Upper

82 100

128 44.1 36.8 55.2

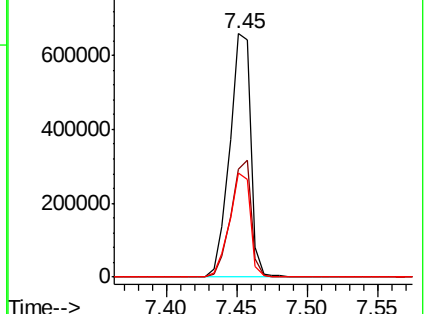
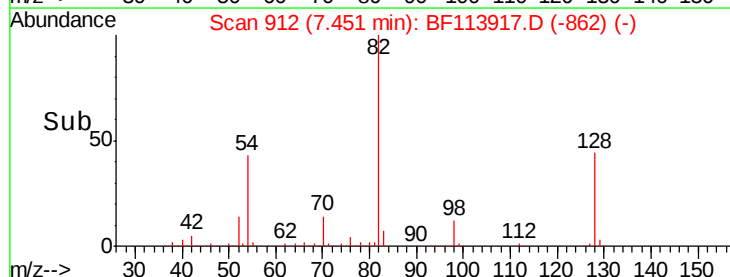
54 42.9 33.8 50.6



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: 39.838 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Instrument :

BNA_F

ClientSampleId :

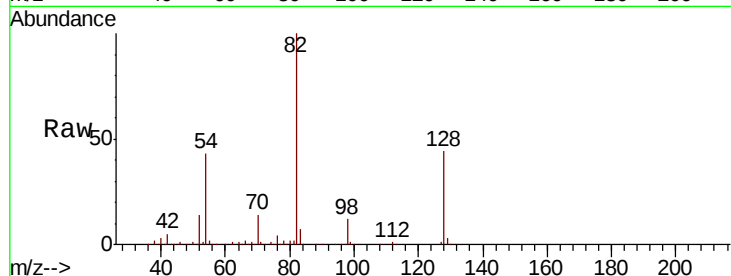
Tot Ion: 82 Resp: 686486

Ion Ratio Lower Upper

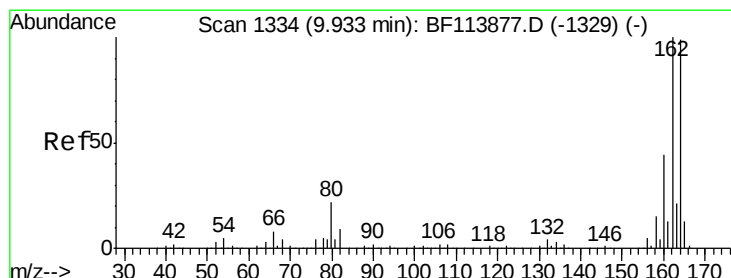
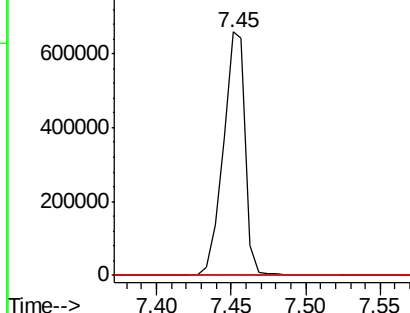
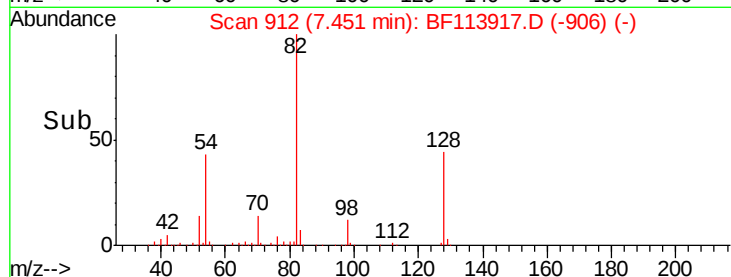
82 100

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# 1334

Delta R.T. -0.00 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

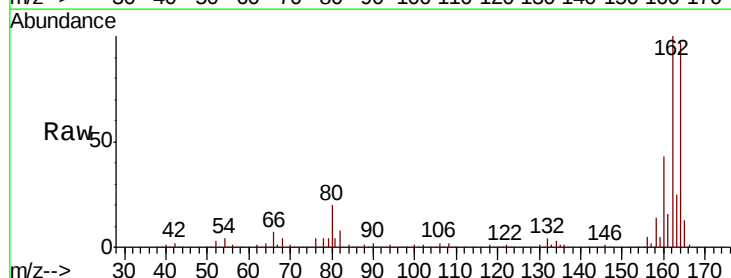
Tgt Ion:164 Resp: 277581

Ion Ratio Lower Upper

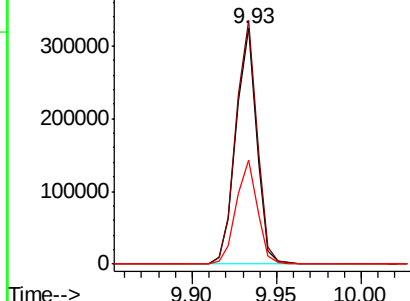
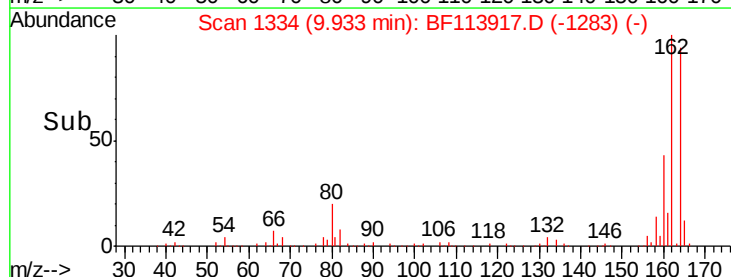
164 100

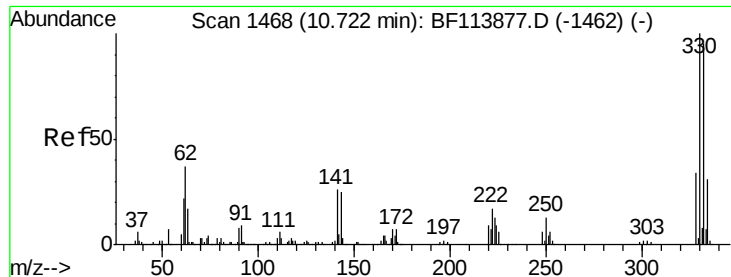
162 103.4 81.1 121.7

160 44.1 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

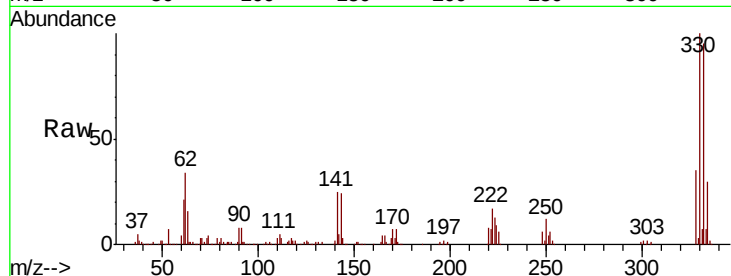




#42
 2,4,6-Tribromophenol
 Concen: 106.186 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113917.D
 Acq: 23 Apr 2019 13:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	27.2	22.2	33.2

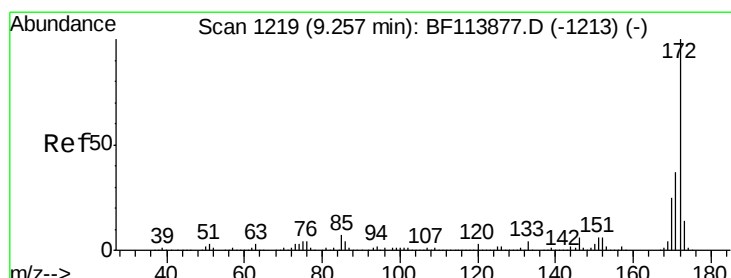
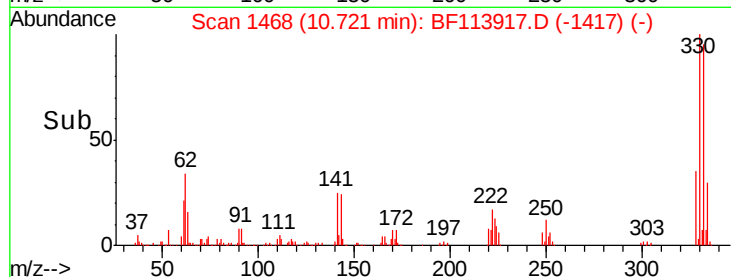
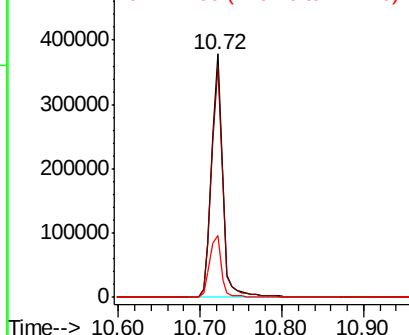


Abundance

Ion 329.80 (329.50 to 330.50): E

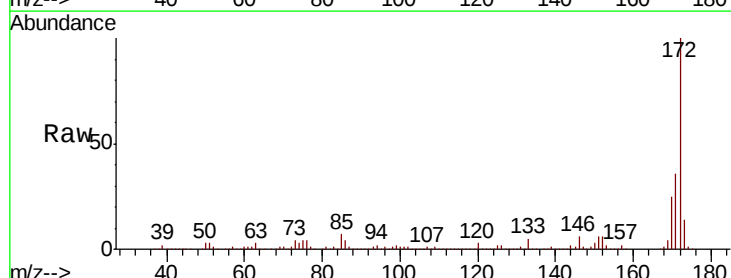
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.155 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113917.D
 Acq: 23 Apr 2019 13:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.9	29.9

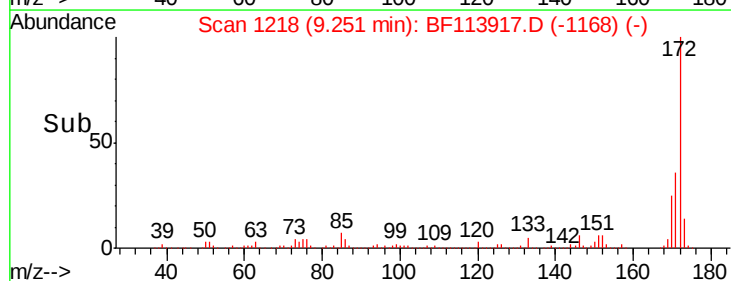
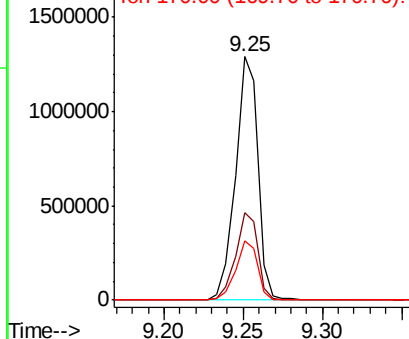


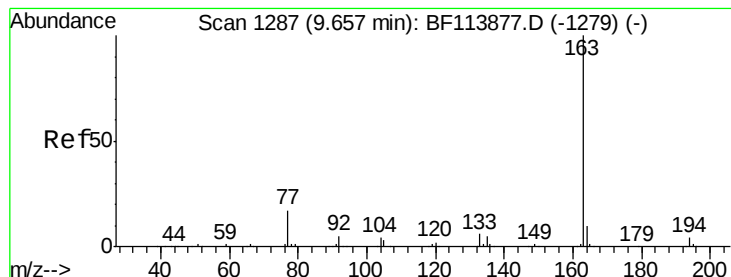
Abundance

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: 9.572 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Instrument :

BNA_F

ClientSampleId :

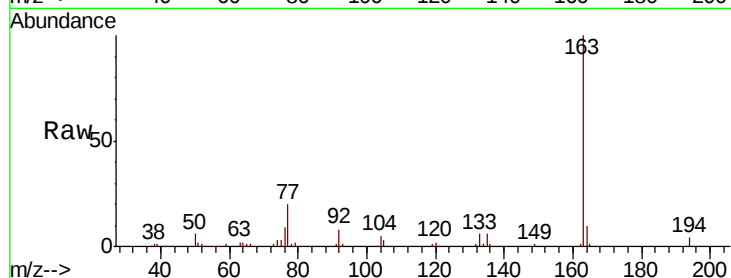
Tot Ion:163 Resp: 192163

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

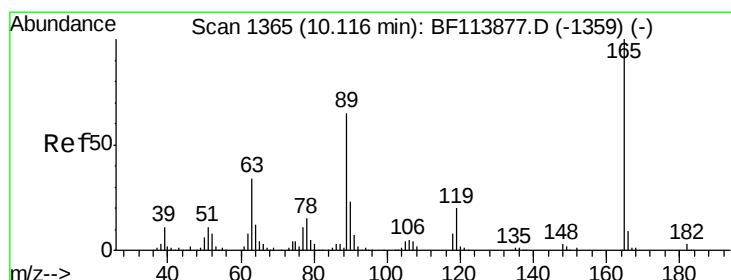
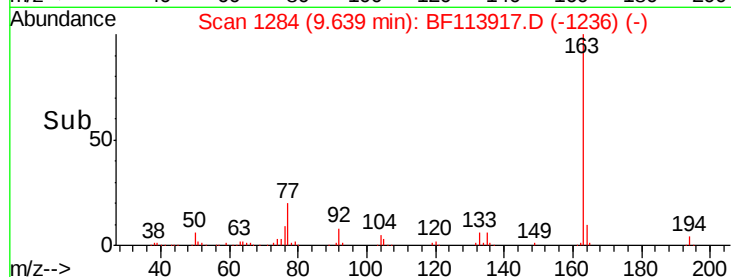
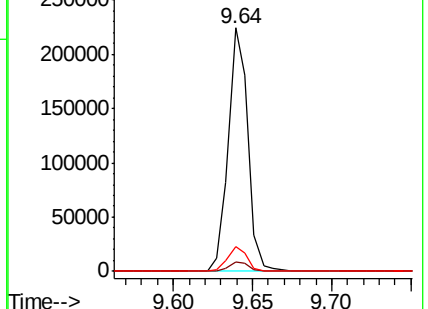
164 10.0 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.569 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Tgt Ion:165 Resp: 35712

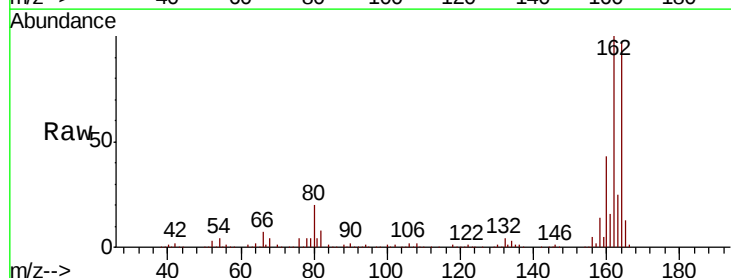
Ion Ratio Lower Upper

165 100

63 1.2 27.4 41.0#

89 1.1 51.8 77.6#

182 0.0 2.2 3.2#

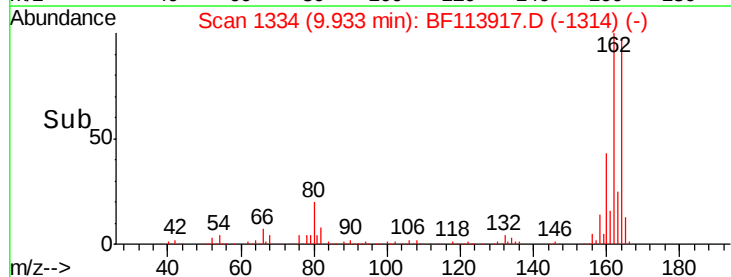
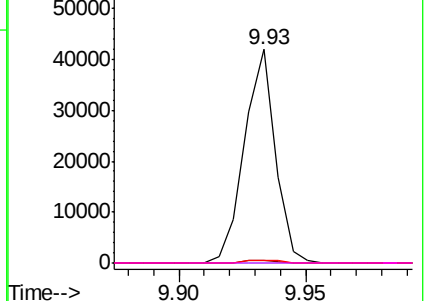


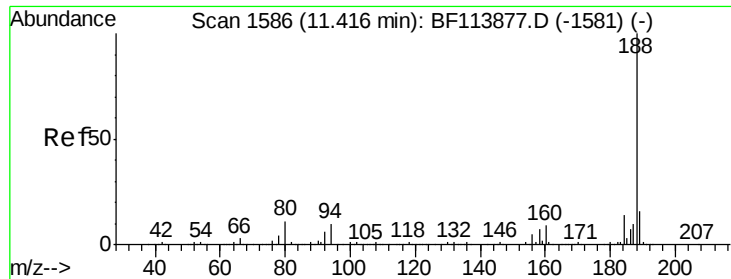
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Instrument :

BNA_F

ClientSampleId :

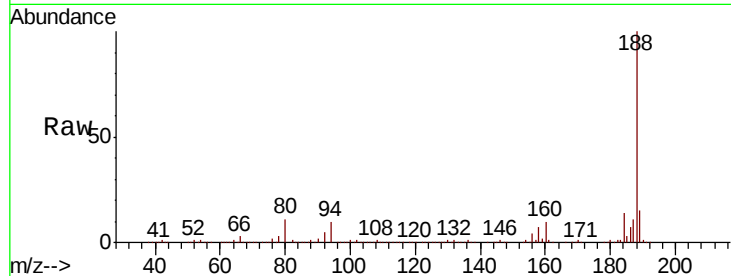
Tot Ion:188 Resp: 568679

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.4

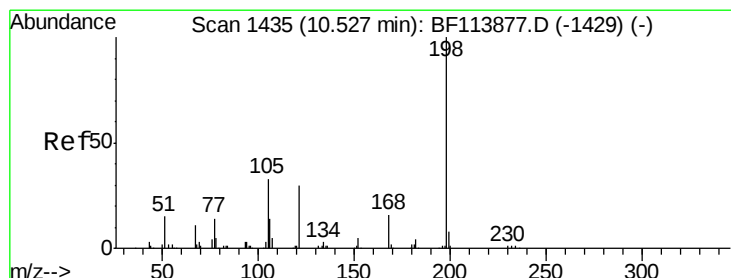
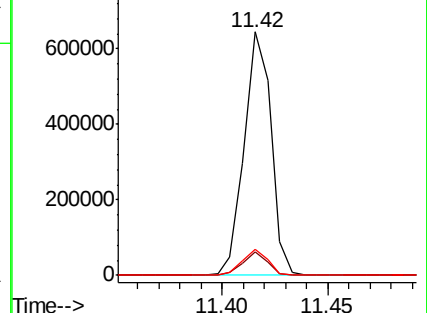
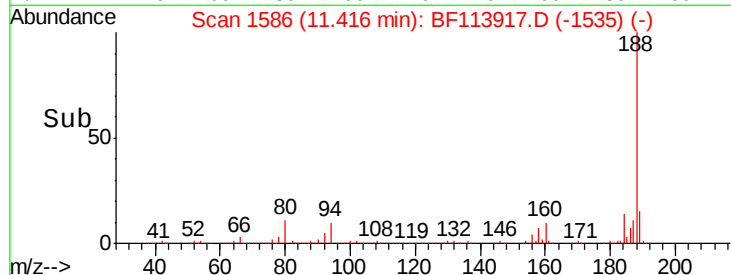
80 10.5 9.0 13.6



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: 7.441 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

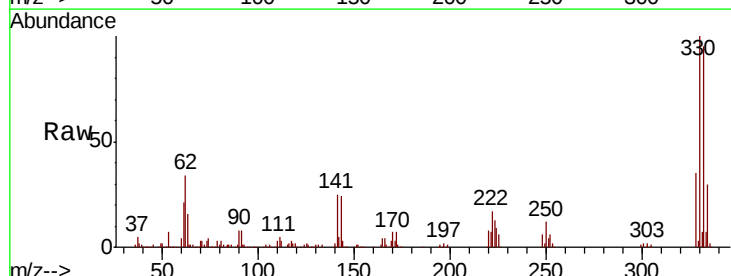
Tgt Ion:198 Resp: 409

Ion Ratio Lower Upper

198 100

51 154.6 11.1 51.1#

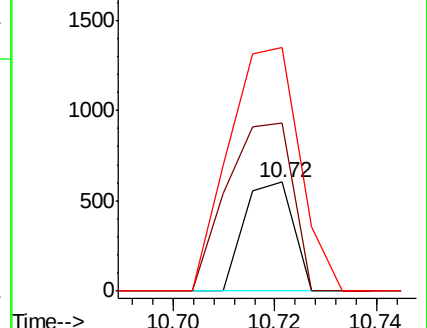
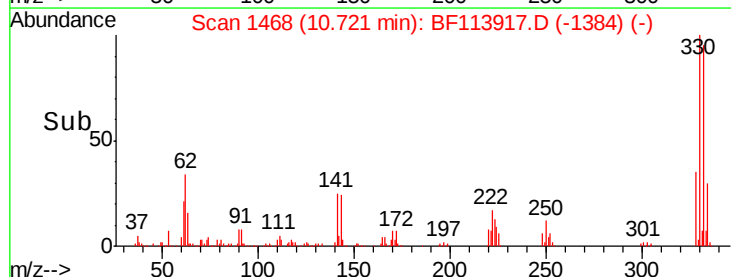
105 223.2 20.7 60.7#

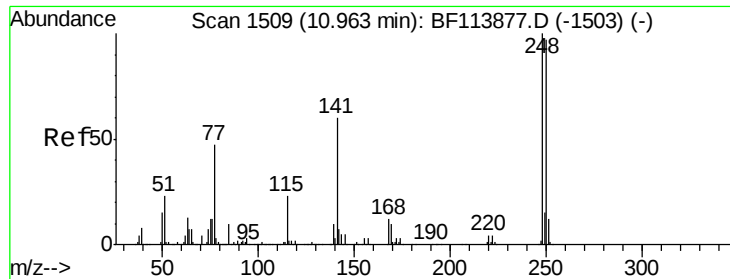


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

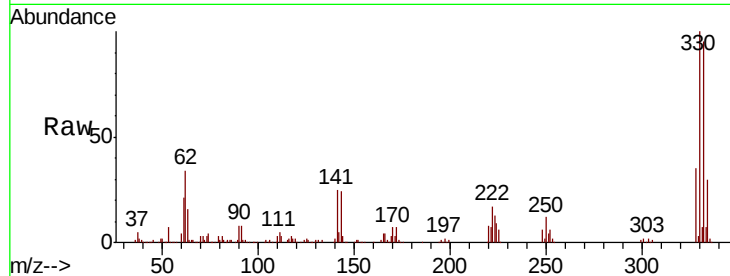




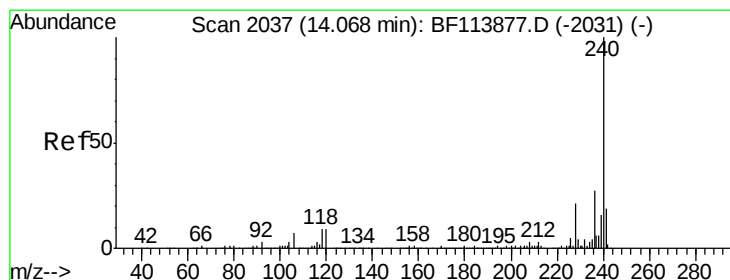
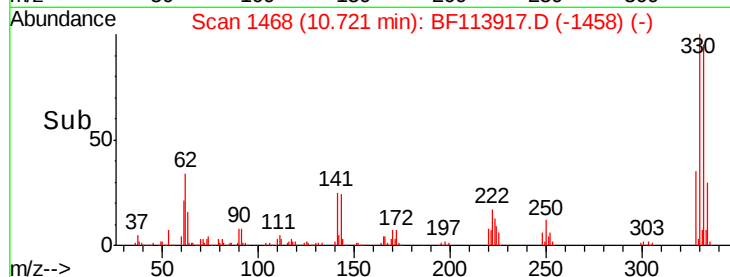
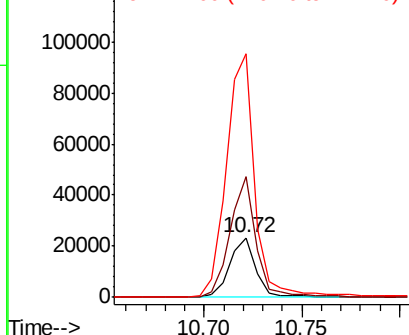
#67
4-Bromophenyl-phenylether
Concen: 3.176 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113917.D
Acq: 23 Apr 2019 13:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 21821
Ion Ratio Lower Upper
248 100
250 202.2 75.8 113.6#
141 407.4 50.2 75.4#

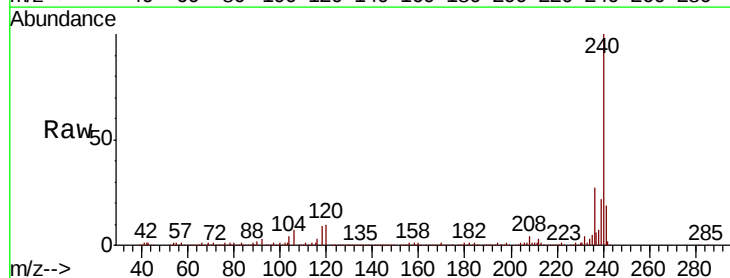


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

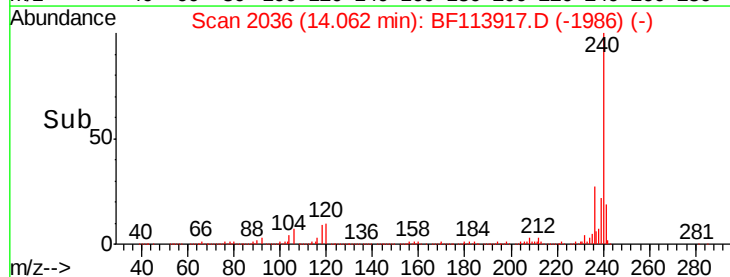
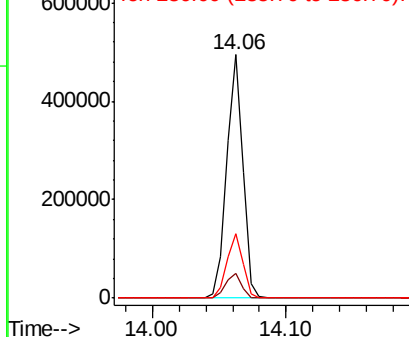


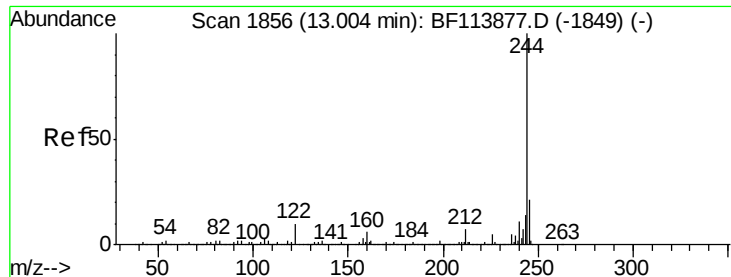
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113917.D
Acq: 23 Apr 2019 13:54

Tgt Ion:240 Resp: 423719
Ion Ratio Lower Upper
240 100
120 9.9 9.3 13.9
236 26.7 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: 70.190 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

Instrument :

BNA_F

ClientSampleId :

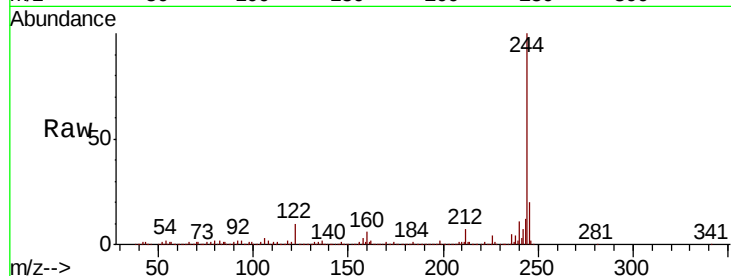
Tot Ion:244 Resp: 1450682

Ion Ratio Lower Upper

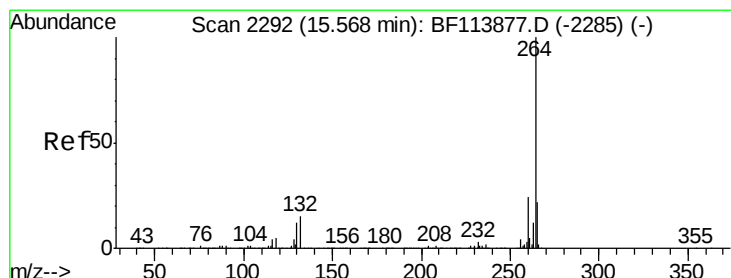
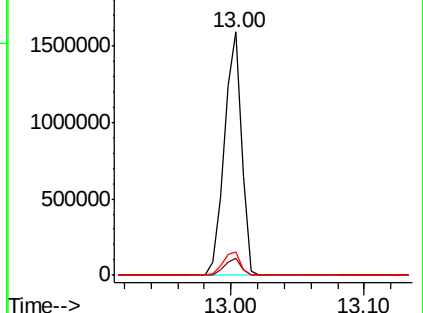
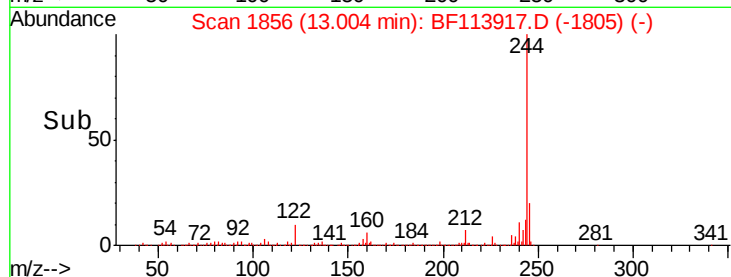
244 100

212 7.0 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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BF113917.D

Acq: 23 Apr 2019 13:54

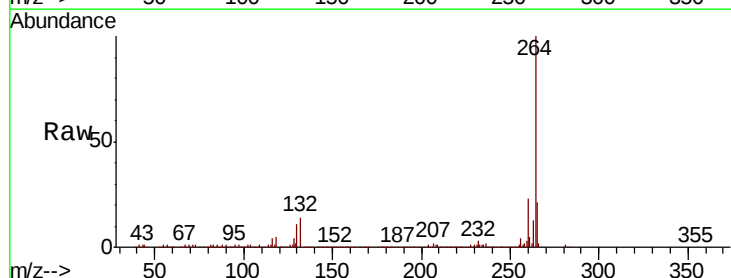
Tgt Ion:264 Resp: 392062

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.1 17.3 25.9



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

