

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042619\
 Data File : BF114011.D
 Acq On : 26 Apr 2019 15:44
 Operator : JU/SJ
 Sample : PB119084BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119228BL

Quant Time: Apr 26 22:59:31 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

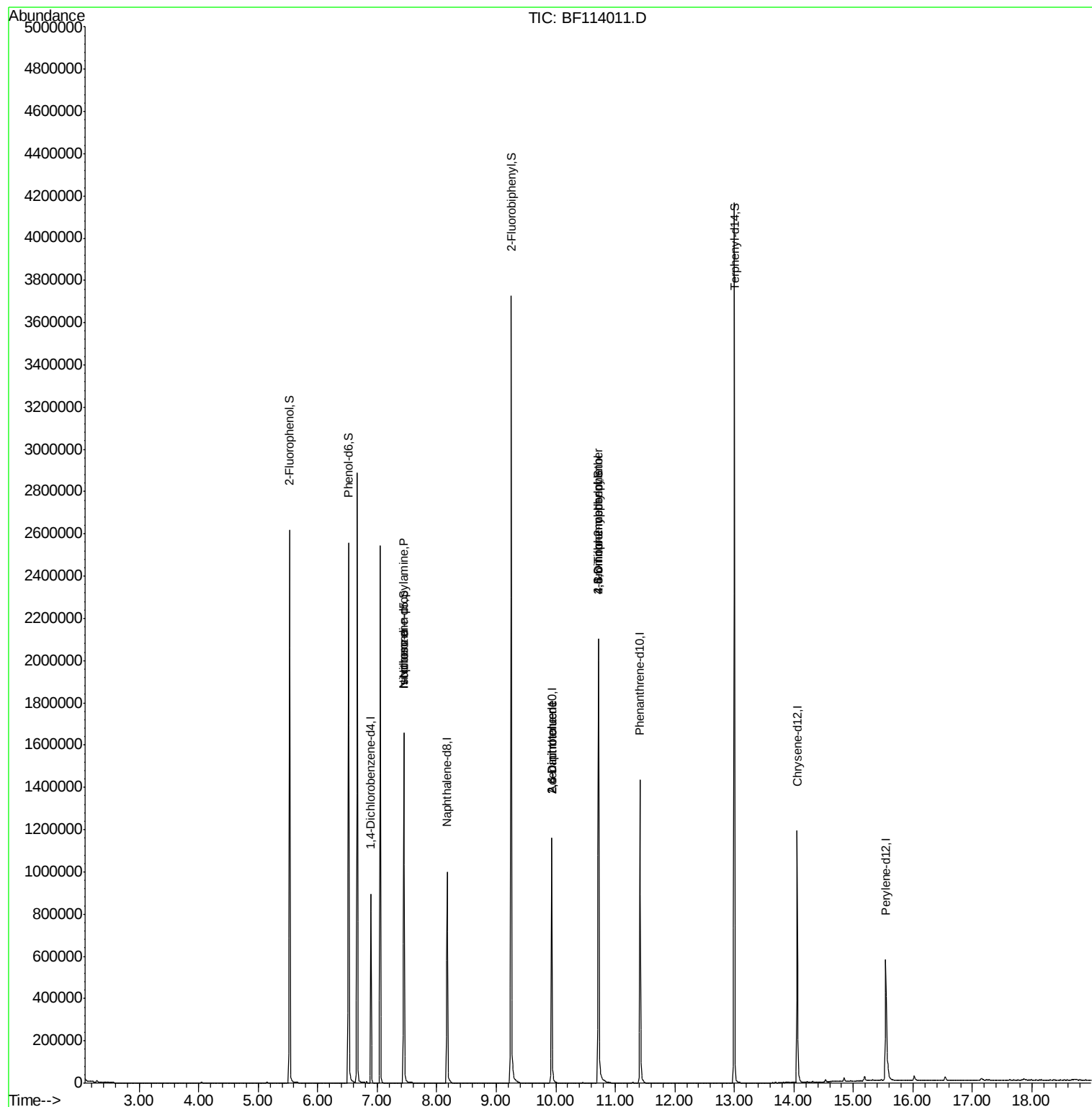
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	142625	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	537635	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	286958	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	604858	20.00	ng	0.00
76) Chrysene-d12	14.06	240	478760	20.00	ng	-0.01
87) Perylene-d12	15.54	264	407916	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	811943	97.37	ng	0.01
7) Phenol-d6	6.52	99	1060458	101.36	ng	0.00
23) Nitrobenzene-d5	7.45	82	643588	73.91	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	364375	104.23	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1368626	74.60	ng	0.00
79) Terphenyl-d14	13.00	244	1666255	71.35	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	19122	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.45	70	84311	12.444 ng	#	79
25) Isophorone	7.45	82	640443	35.946 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	36525	8.204 ng	#	32
57) 2,4-Dinitrotoluene	9.93	165	36526	6.499 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.72	198	566	7.481 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	22339	3.057 ng	#	1

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

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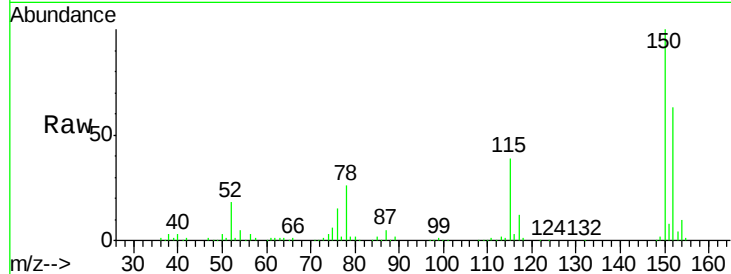


#1

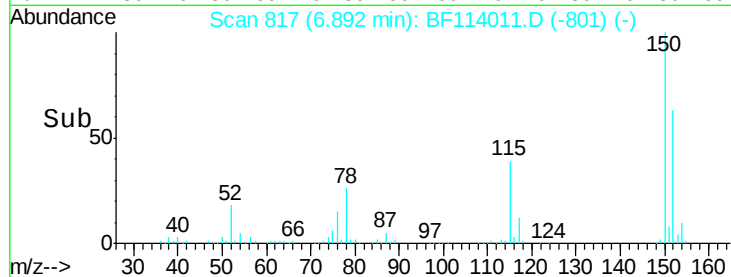
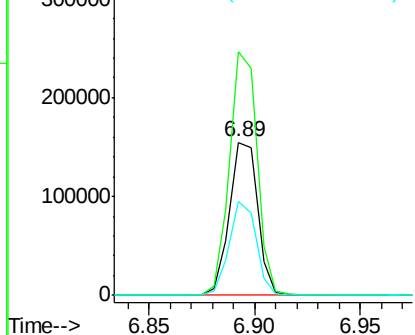
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114011.D
Acq: 26 Apr 2019 15:44

Instrument :
BNA_F
ClientSampleId :
PB119228BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.9	188.9
115	61.3	45.9	68.9



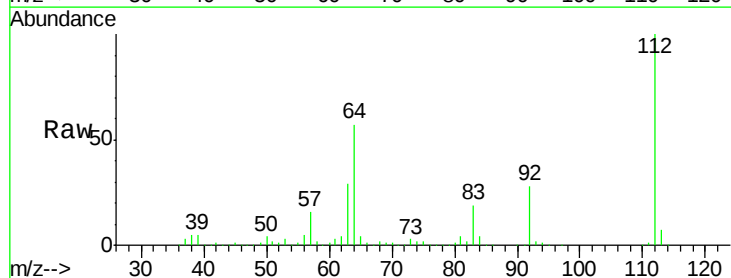
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



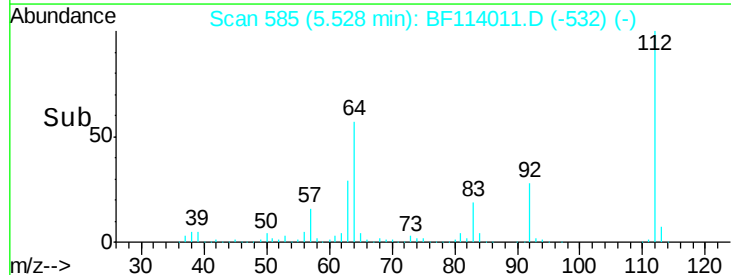
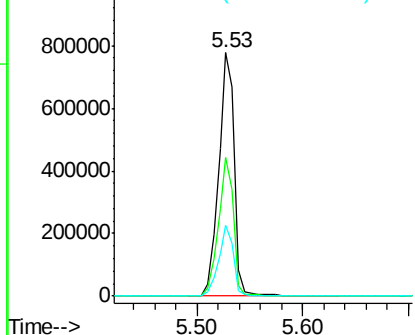
#5

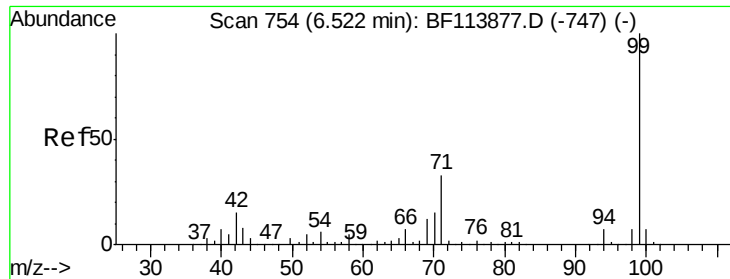
2-Fluorophenol
Concen: 97.368 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF114011.D
Acq: 26 Apr 2019 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	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: 101.361 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

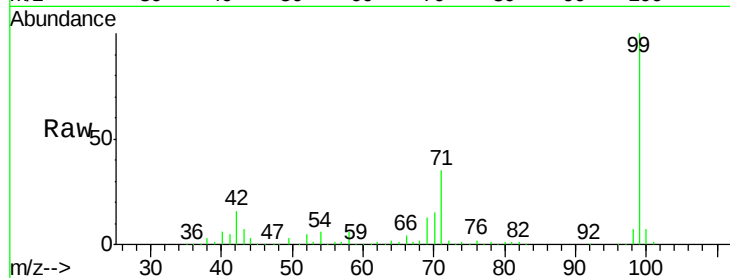
Tot Ion: 99 Resp: 1060458

Ion Ratio Lower Upper

99 100

42 15.5 12.5 18.7

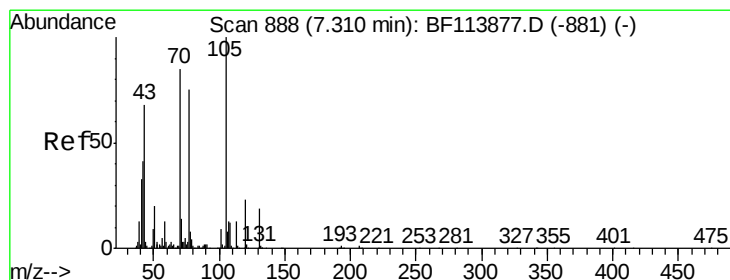
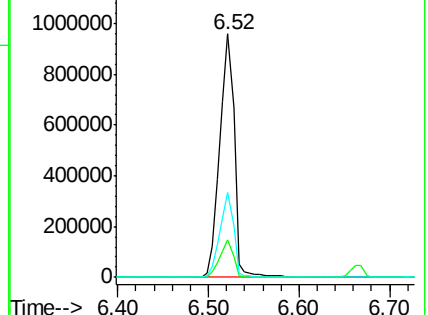
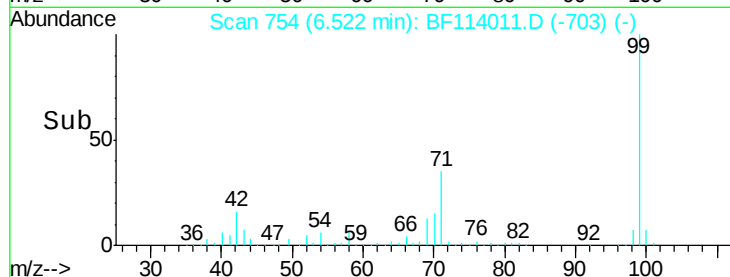
71 34.9 26.9 40.3



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: 12.444 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Tgt Ion: 70 Resp: 84311

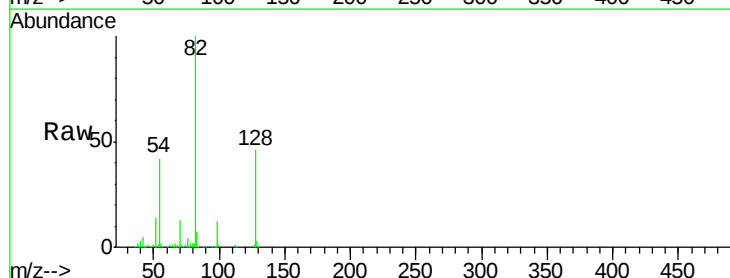
Ion Ratio Lower Upper

70 100

42 40.0 37.3 55.9

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

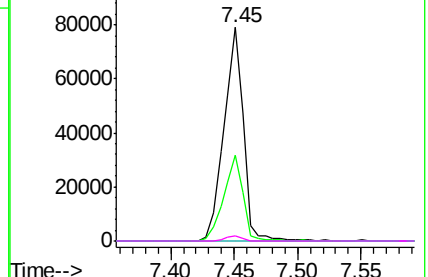
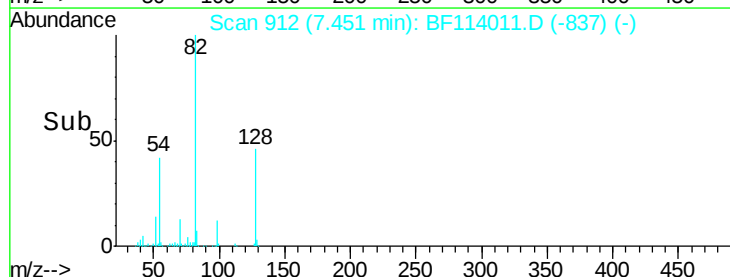


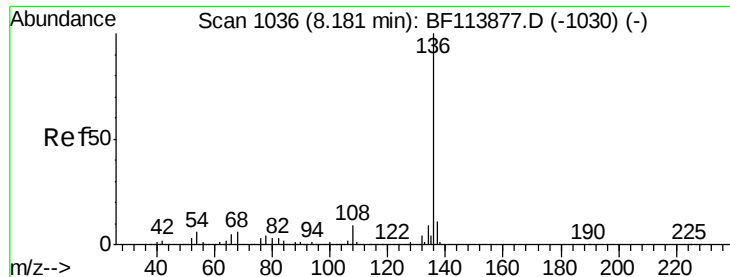
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

Tot Ion:136 Resp: 537635

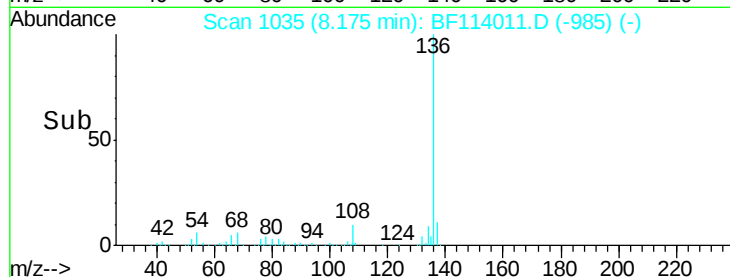
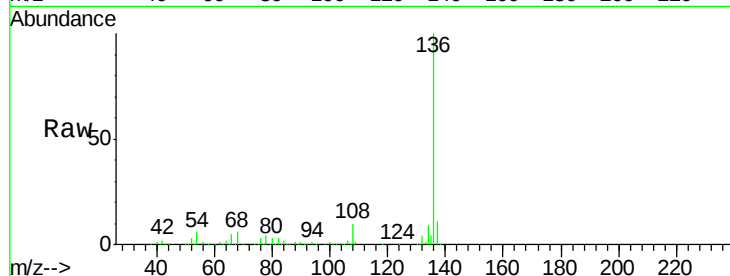
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.1 5.0 7.6

68 6.2 4.9 7.3

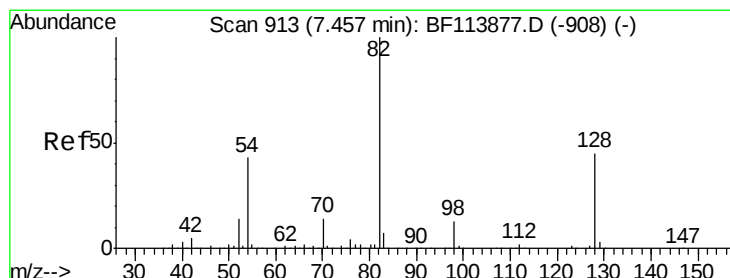
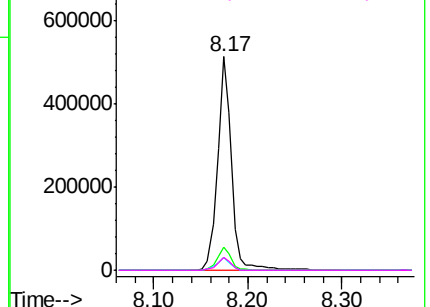


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.912 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

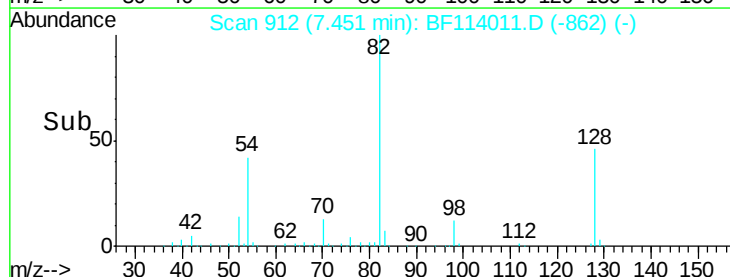
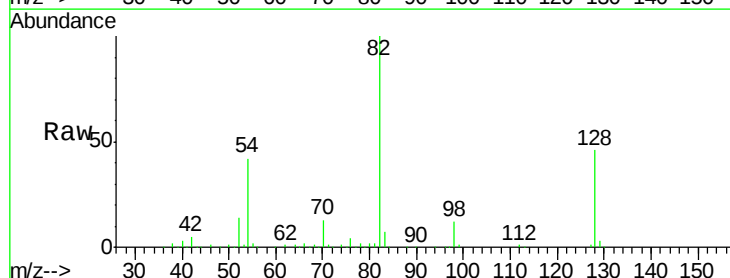
Tgt Ion: 82 Resp: 643588

Ion Ratio Lower Upper

82 100

128 45.7 36.8 55.2

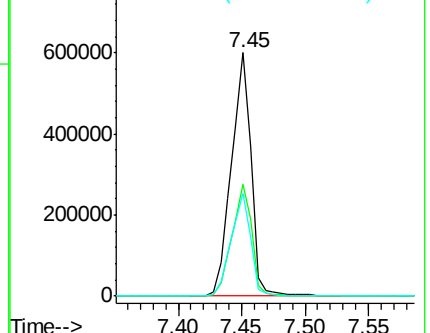
54 42.5 33.8 50.6



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: 35.946 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

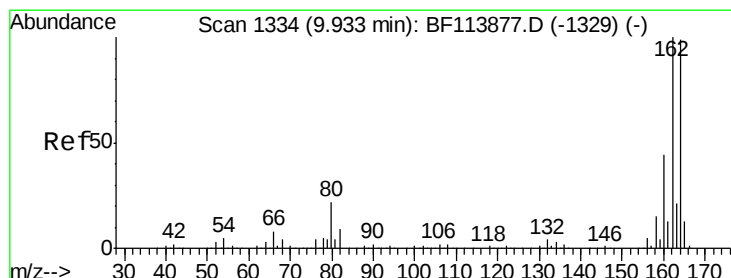
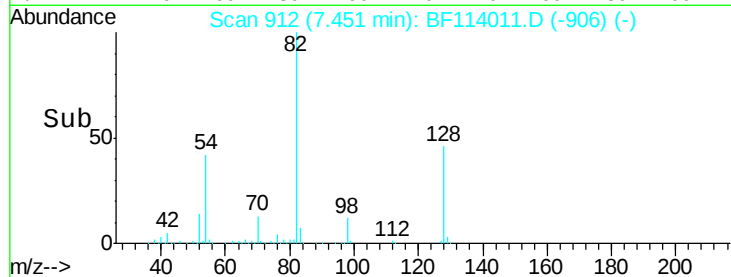
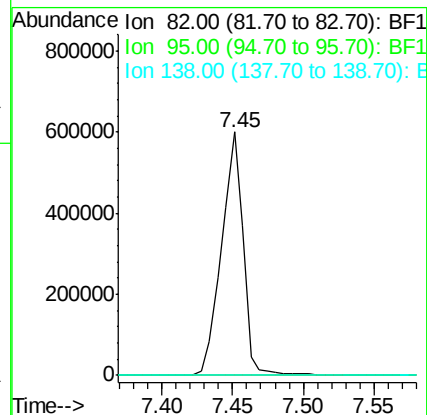
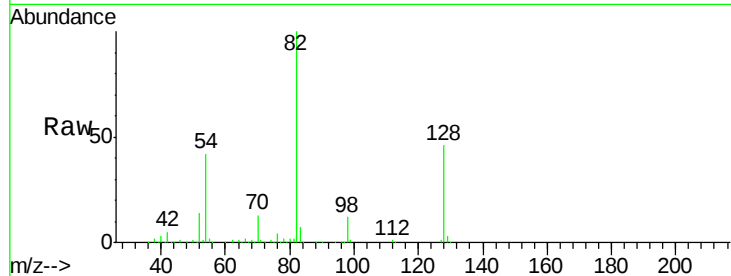
Tot Ion: 82 Resp: 640443

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

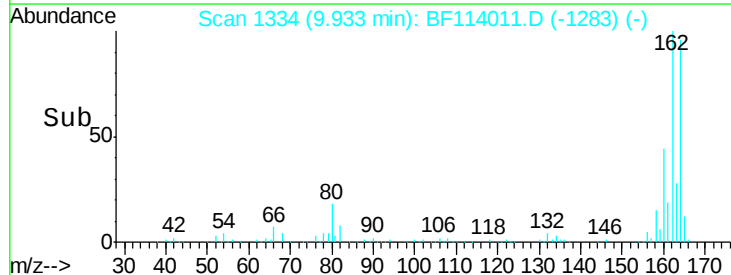
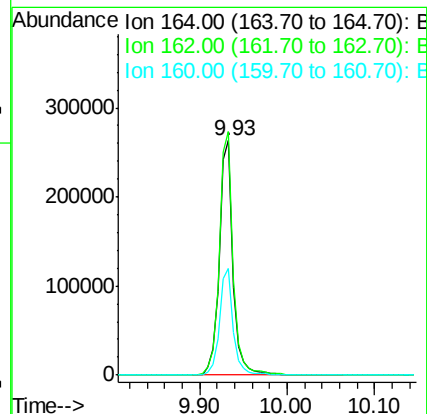
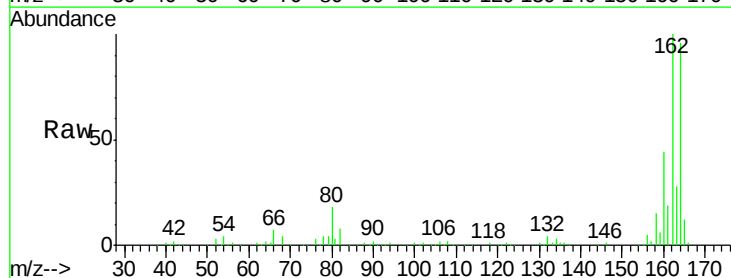
Tgt Ion:164 Resp: 286958

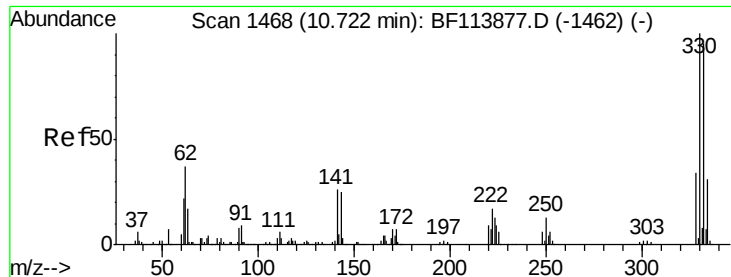
Ion Ratio Lower Upper

164 100

162 103.9 81.1 121.7

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 104.234 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

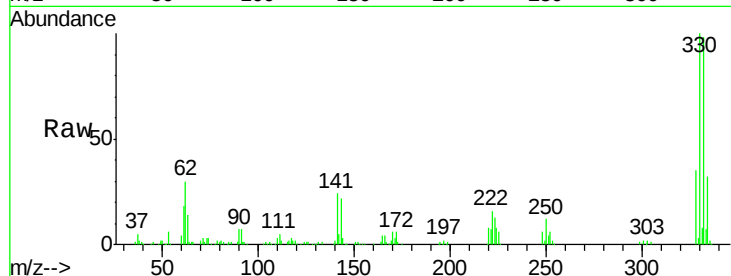
Tot Ion:330 Resp: 364375

Ion Ratio Lower Upper

330 100

332 96.9 77.5 116.3

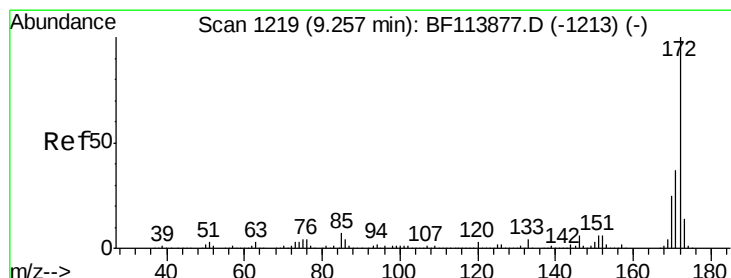
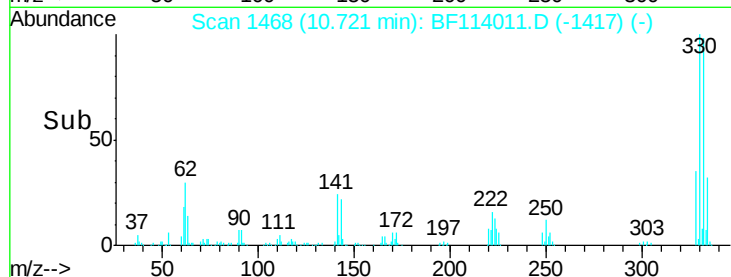
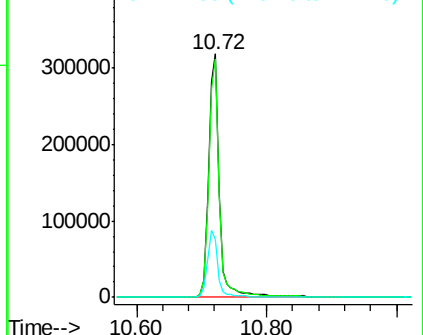
141 26.7 22.2 33.2



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: 74.595 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

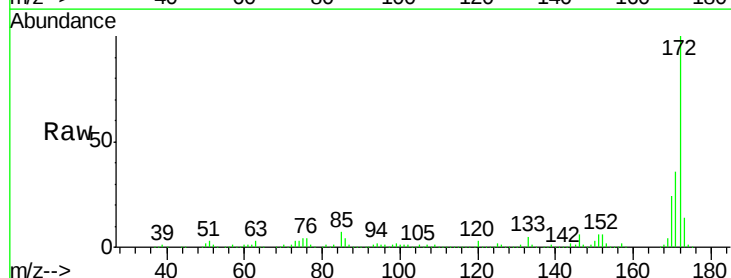
Tgt Ion:172 Resp: 1368626

Ion Ratio Lower Upper

172 100

171 36.4 29.4 44.0

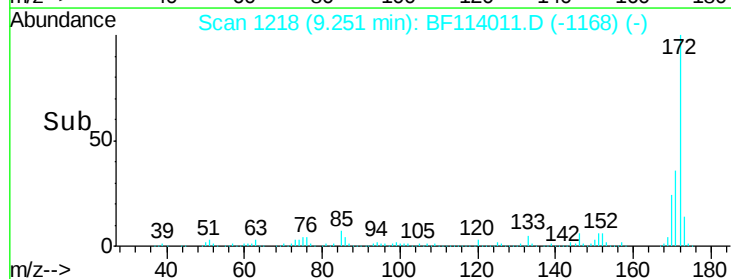
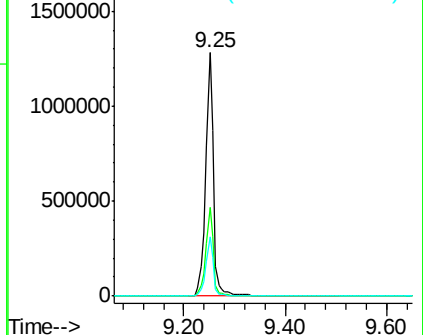
170 24.4 19.9 29.9

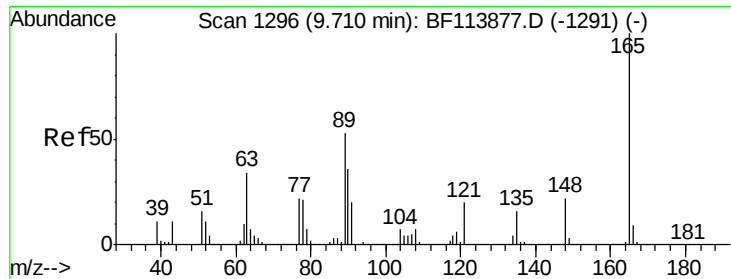


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

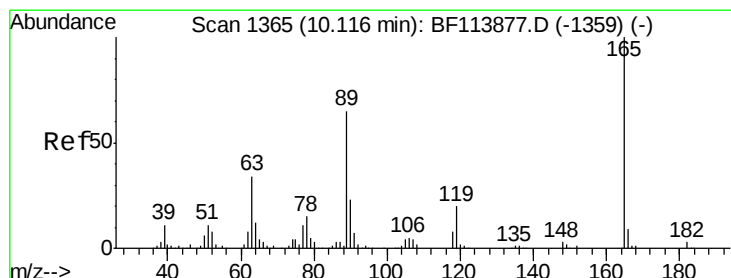
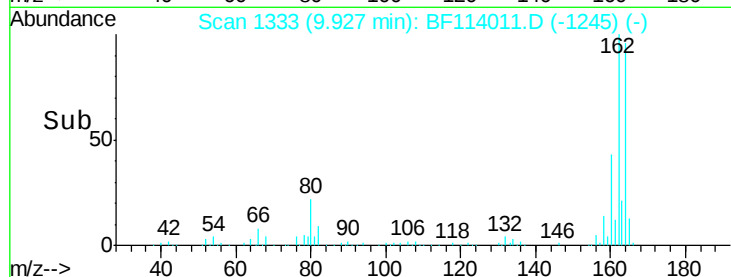
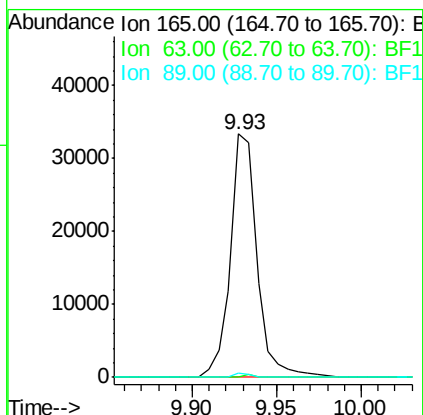
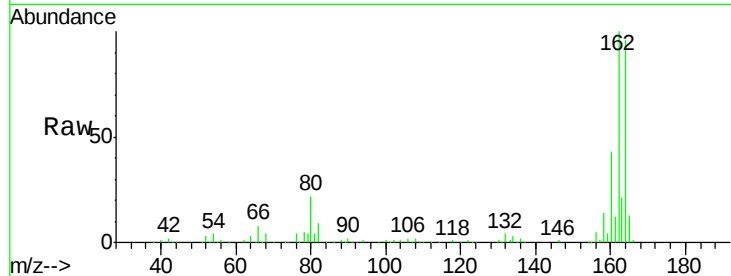




#51
 2,6-Dinitrotoluene
 Concen: 8.204 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF114011.D
 Acq: 26 Apr 2019 15:44

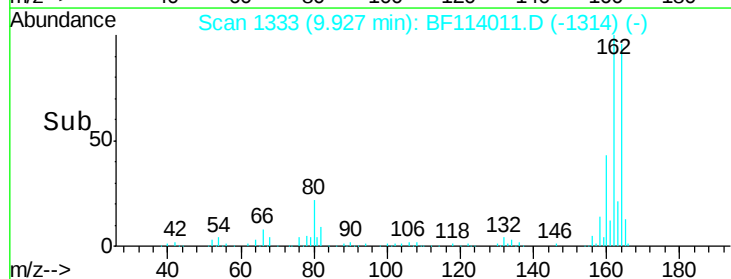
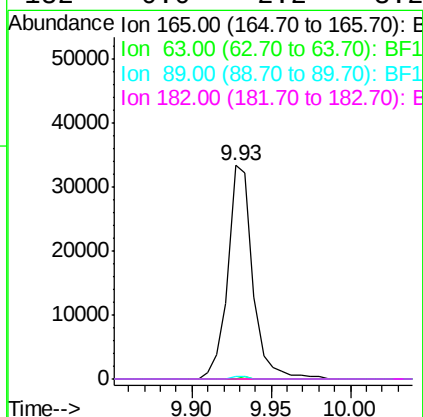
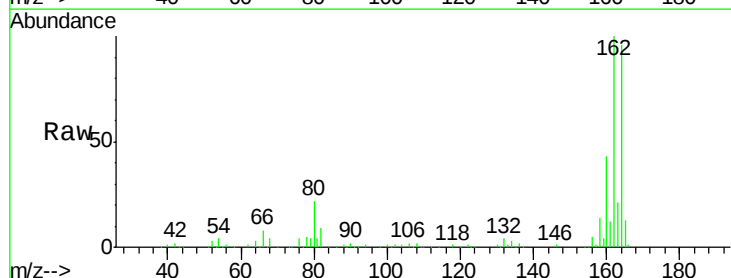
Instrument :
 BNA_F
 ClientSampleId :
 PB119228BL

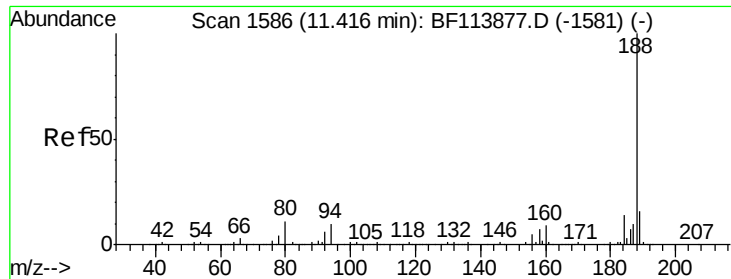
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.5	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.499 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF114011.D
 Acq: 26 Apr 2019 15:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.4	41.0#
89	1.5	51.8	77.6#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

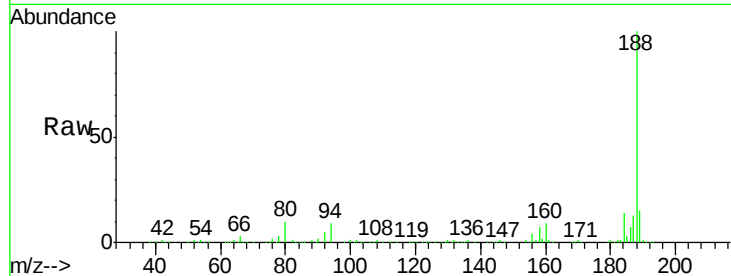
Tot Ion:188 Resp: 604858

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.4

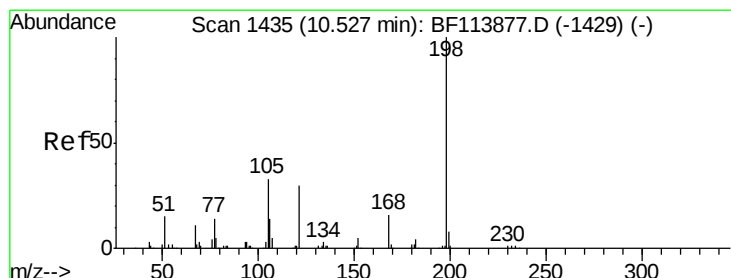
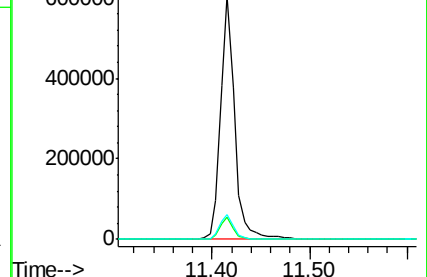
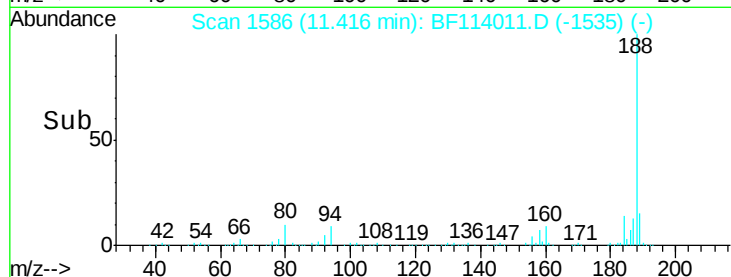
80 10.2 9.0 13.6



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: 7.481 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

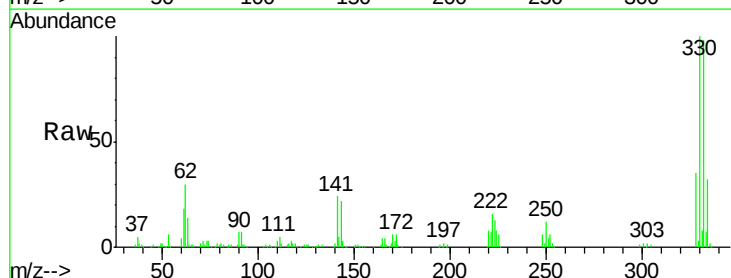
Tgt Ion:198 Resp: 566

Ion Ratio Lower Upper

198 100

51 122.8 11.1 51.1#

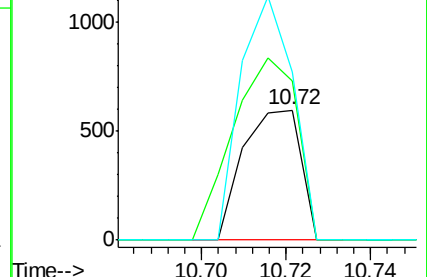
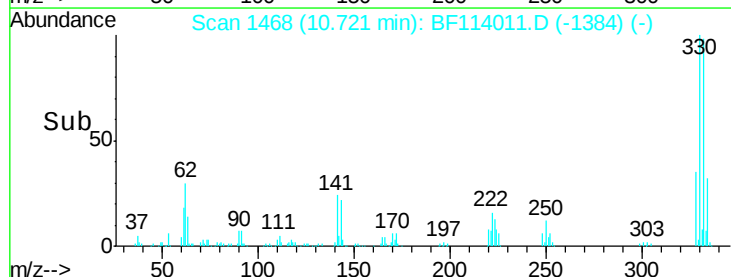
105 129.4 20.7 60.7#

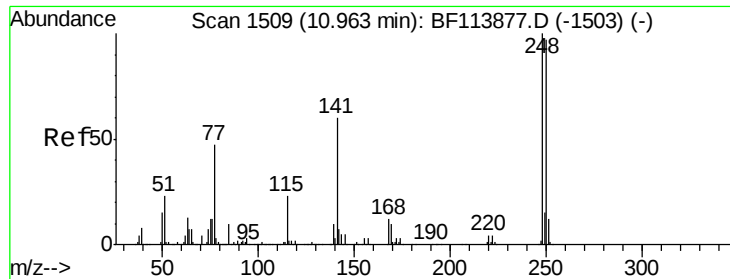


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

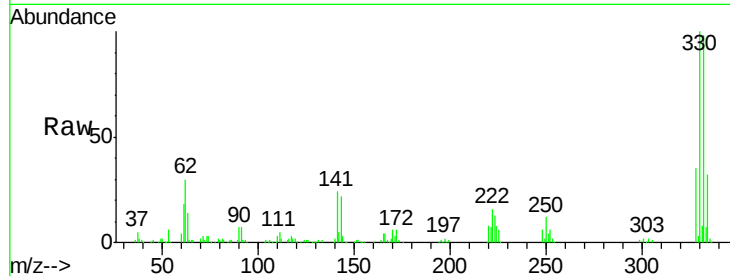




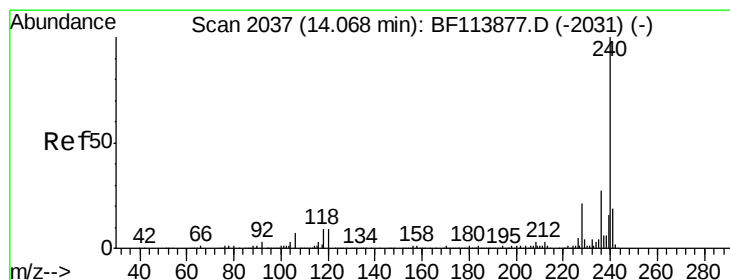
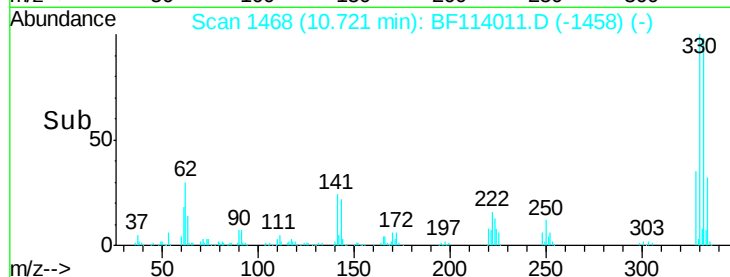
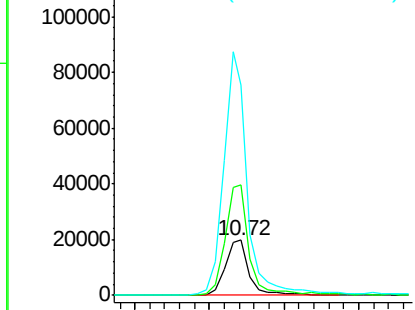
#67
 4-Bromophenyl-phenylether
 Concen: 3.057 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF114011.D
 Acq: 26 Apr 2019 15:44

Instrument :
 BNA_F
 ClientSampleId :
 PB119228BL

Tot Ion:248 Resp: 22339
 Ion Ratio Lower Upper
 248 100
 250 199.8 75.8 113.6#
 141 380.4 50.2 75.4#

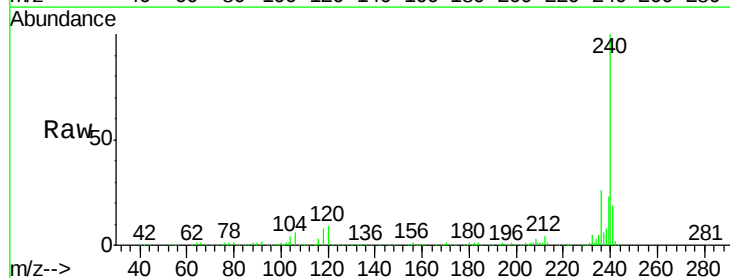


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

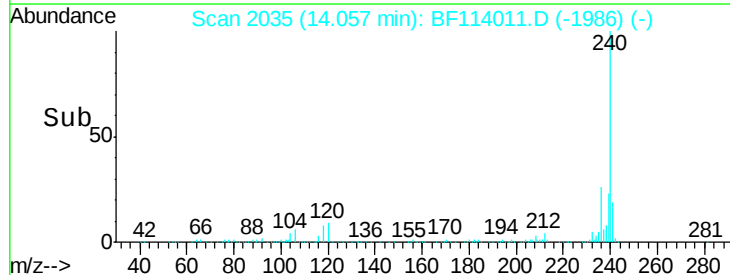
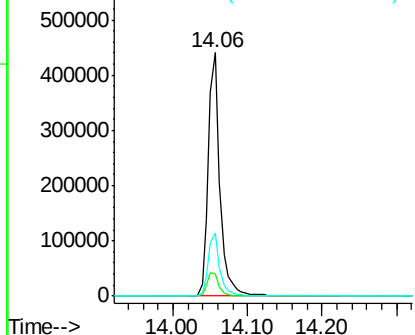


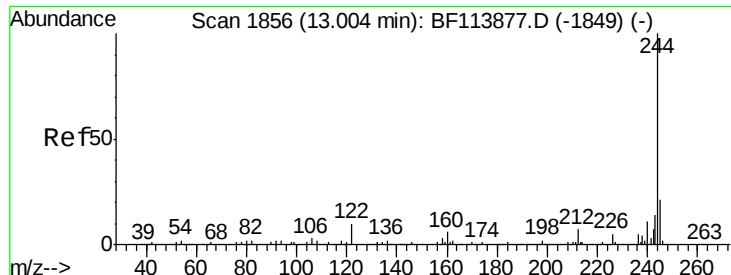
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF114011.D
 Acq: 26 Apr 2019 15:44

Tgt Ion:240 Resp: 478760
 Ion Ratio Lower Upper
 240 100
 120 9.3 9.3 13.9
 236 25.8 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: 71.352 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

Instrument :

BNA_F

ClientSampleId :

PB119228BL

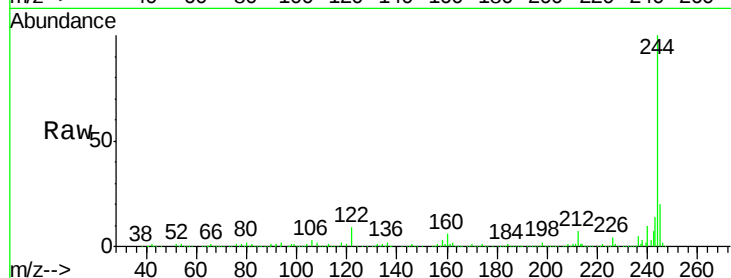
Tot Ion:244 Resp: 1666255

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

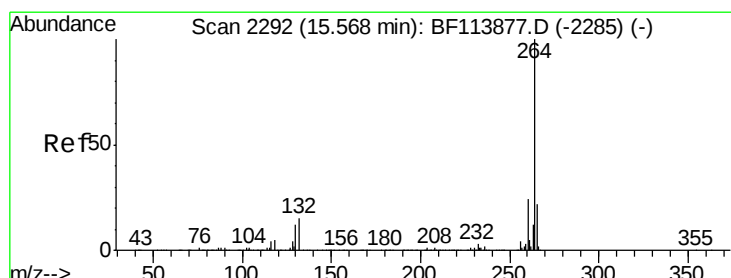
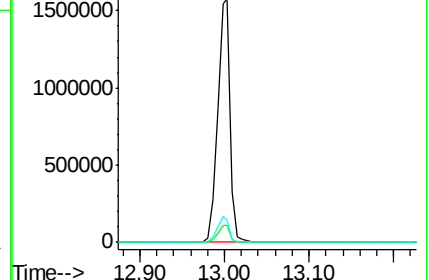
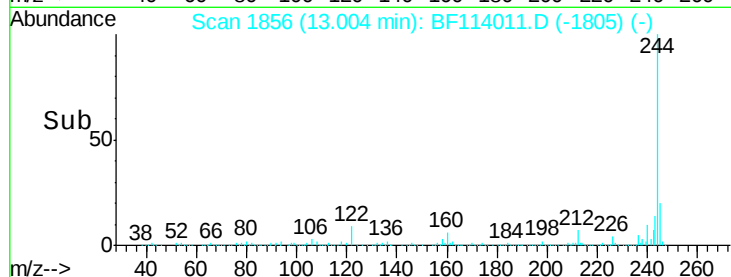
122 9.0 7.6 11.4



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: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF114011.D

Acq: 26 Apr 2019 15:44

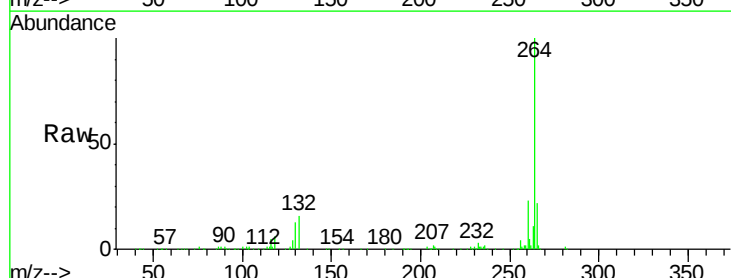
Tgt Ion:264 Resp: 407916

Ion Ratio Lower Upper

264 100

260 22.8 18.9 28.3

265 21.6 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

