

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113840.D
 Acq On : 19 Apr 2019 2:17
 Operator : JU/SJ
 Sample : K2198-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 04:57:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

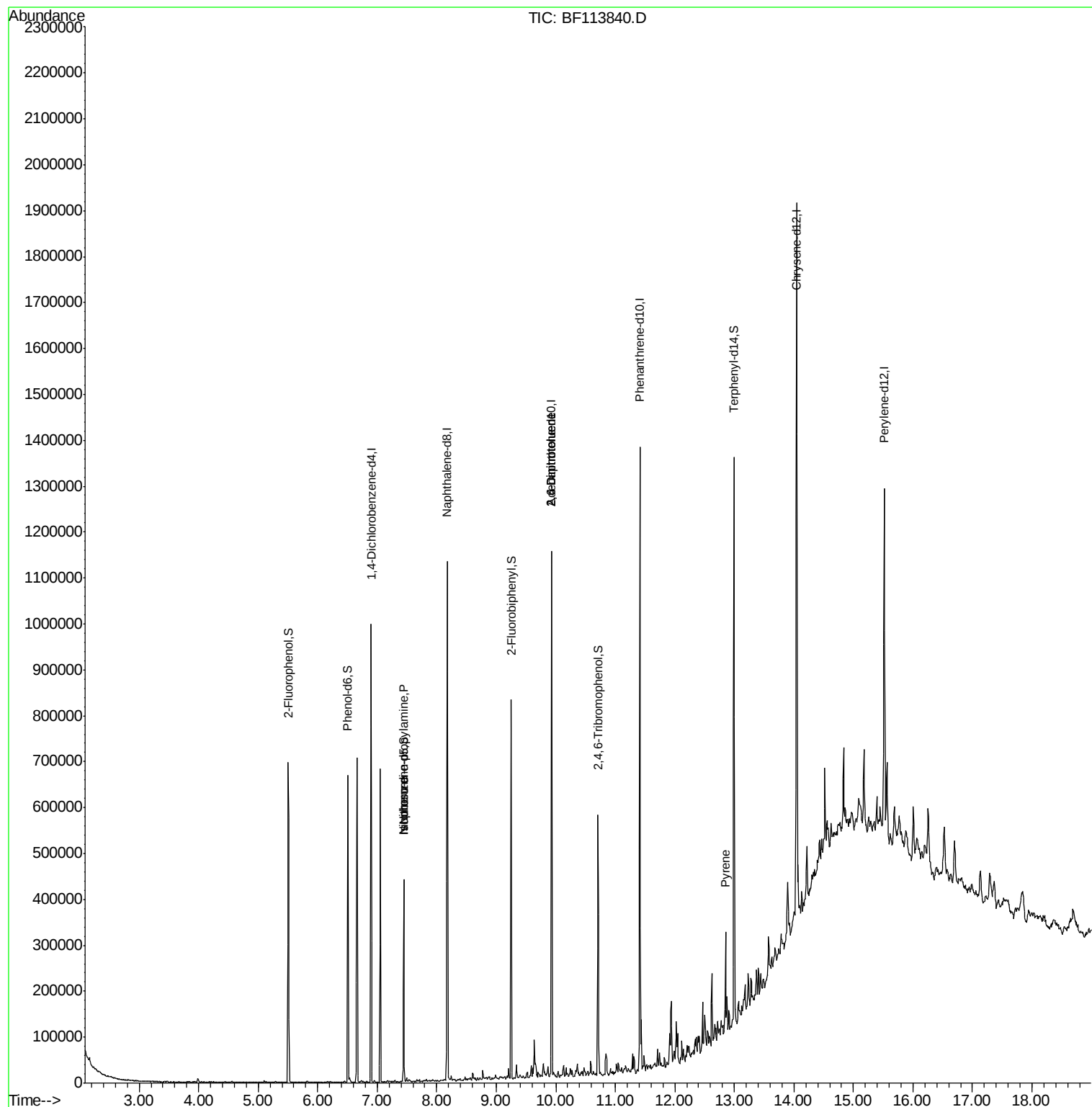
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	139434	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	478290	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	233882	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	508946	20.00	ng	0.00
76) Chrysene-d12	14.04	240	491623	20.00	ng	0.00
87) Perylene-d12	15.52	264	372384	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	191513	22.84	ng	0.00
7) Phenol-d6	6.51	99	233235	22.30	ng	0.00
23) Nitrobenzene-d5	7.45	82	118179	15.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	65295	25.27	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	253650	16.54	ng	0.00
79) Terphenyl-d14	12.99	244	383464	16.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	350	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propylamine	7.45	70	15322	2.195 ng	#	81
25) Isophorone	7.45	82	118176	7.267 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	30507	8.445 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	30507	6.807 ng	#	29
78) Pyrene	12.85	202	83301	2.404 ng		98

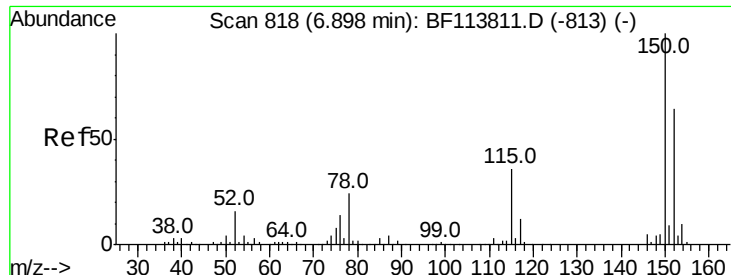
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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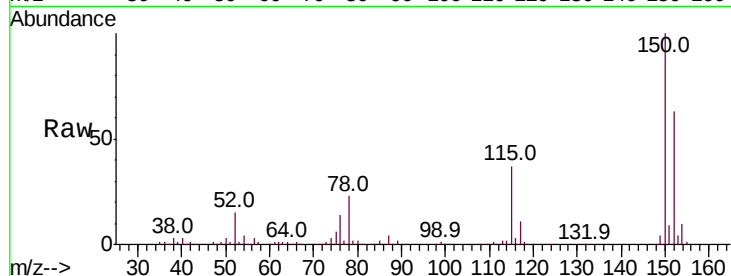


#1

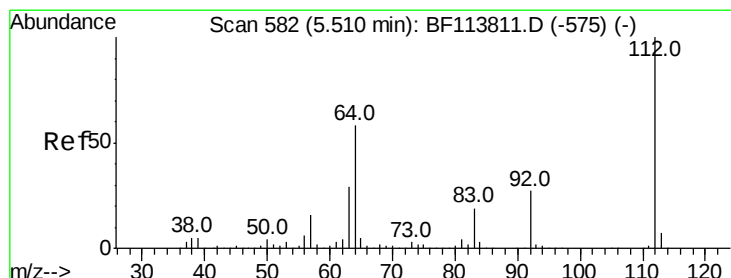
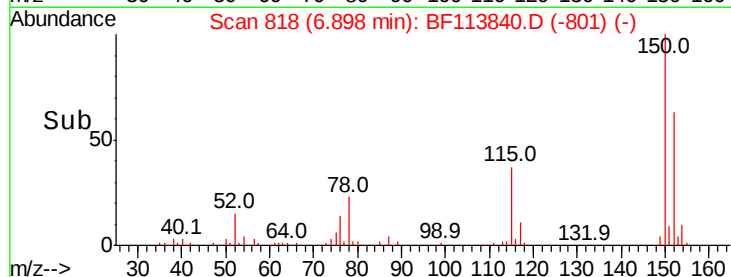
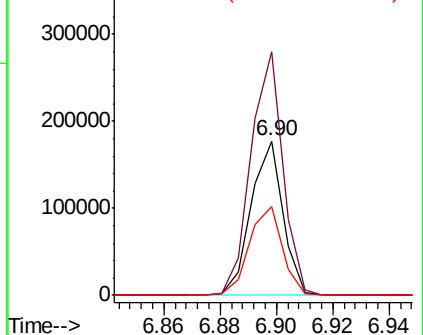
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113840.D
 Acq: 19 Apr 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	57.8	45.9	68.9



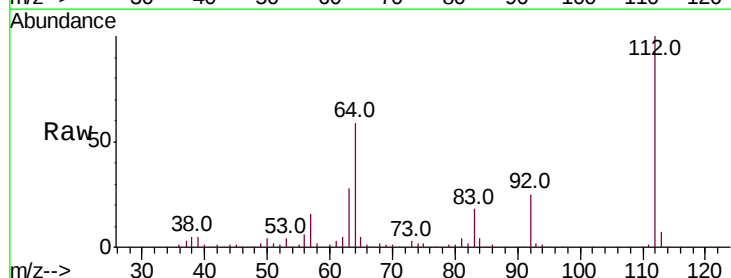
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



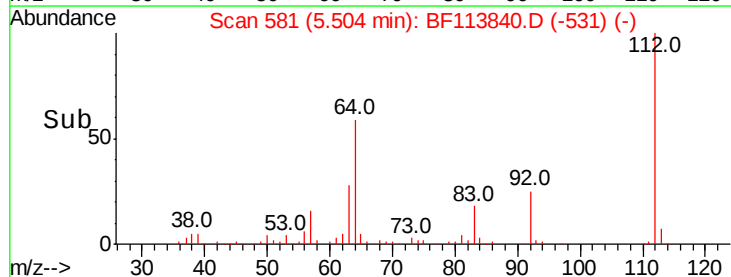
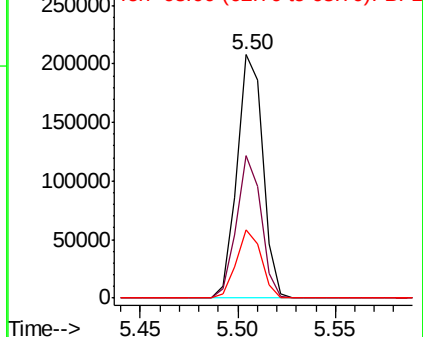
#5

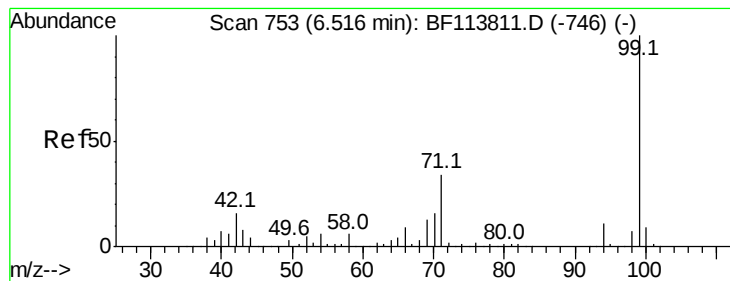
2-Fluorophenol
 Concen: 22.838 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF113840.D
 Acq: 19 Apr 2019 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.6	69.8
63	28.2	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: 22.303 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampleId :

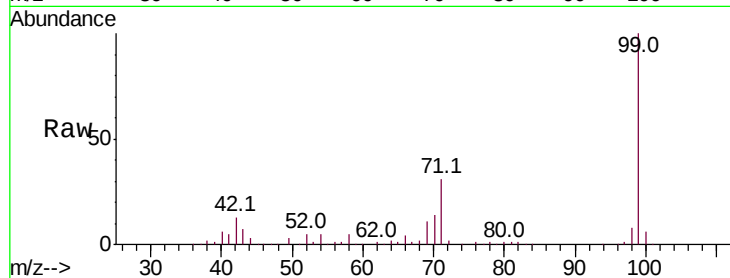
Tot Ion: 99 Resp: 233235

Ion Ratio Lower Upper

99 100

42 13.4 12.5 18.7

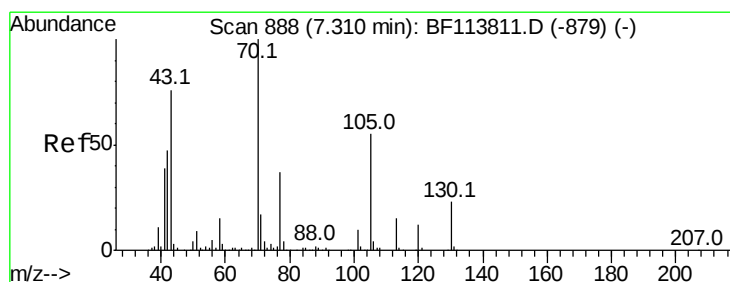
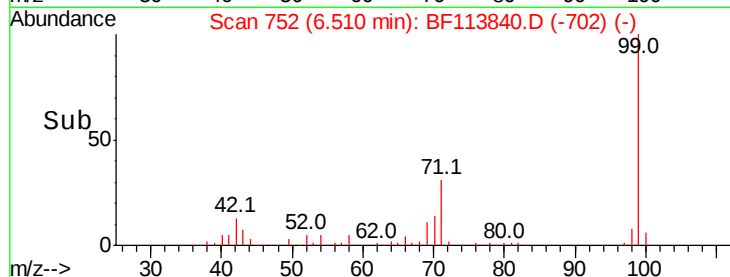
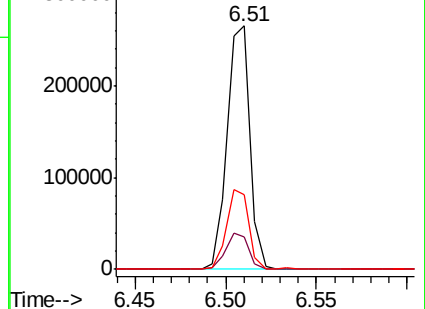
71 30.6 26.9 40.3



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: 2.195 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Tgt Ion: 70 Resp: 15322

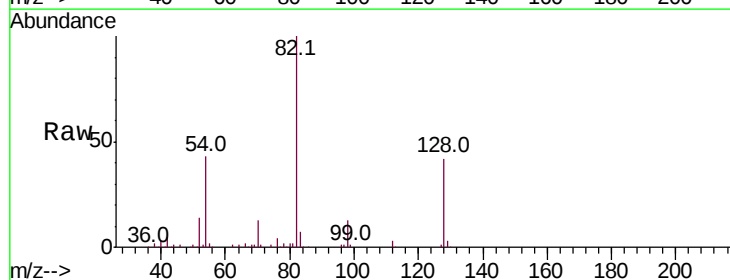
Ion Ratio Lower Upper

70 100

42 42.4 37.3 55.9

101 0.0 7.8 11.8#

130 2.3 18.2 27.2#

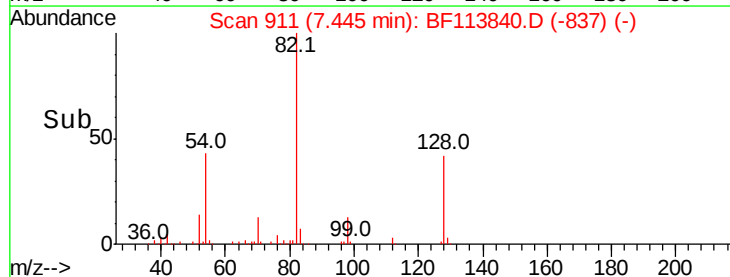
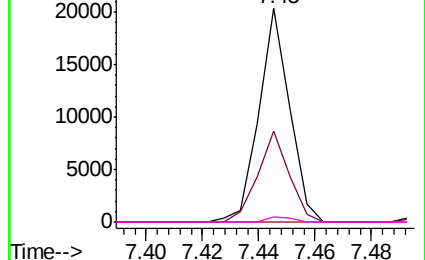


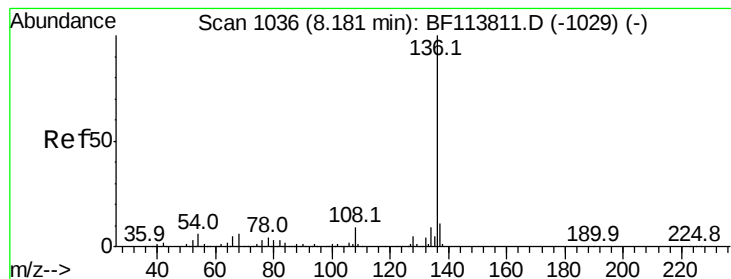
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 478290

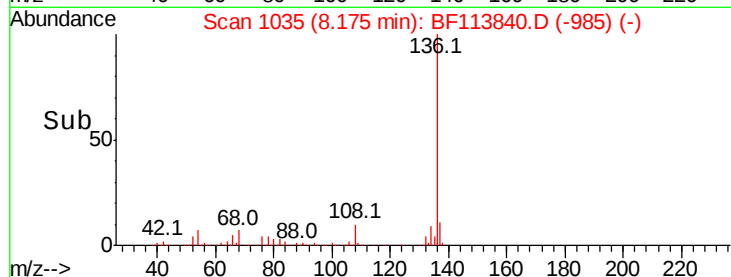
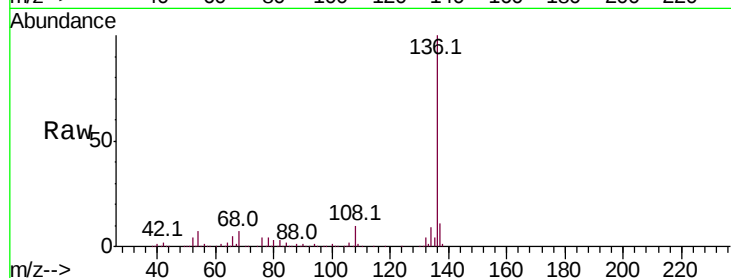
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 7.0 5.0 7.6

68 6.9 4.9 7.3

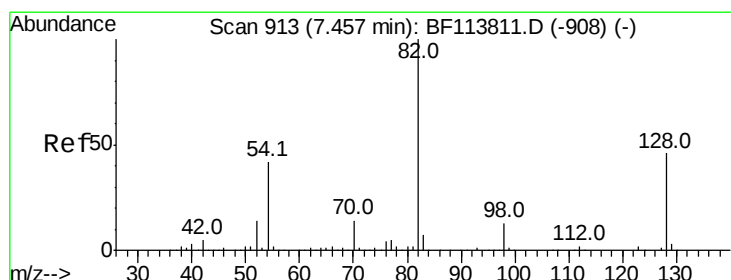
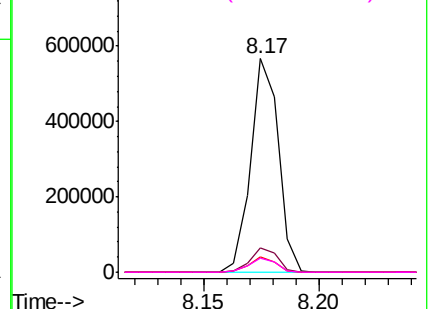


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.047 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

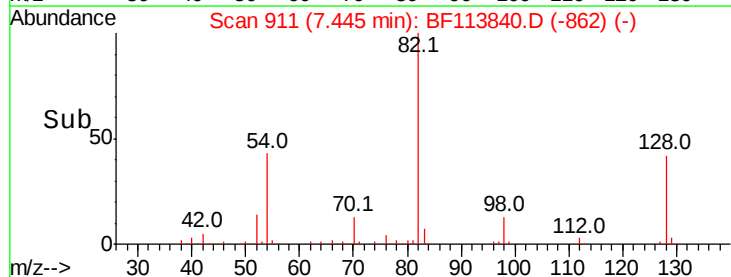
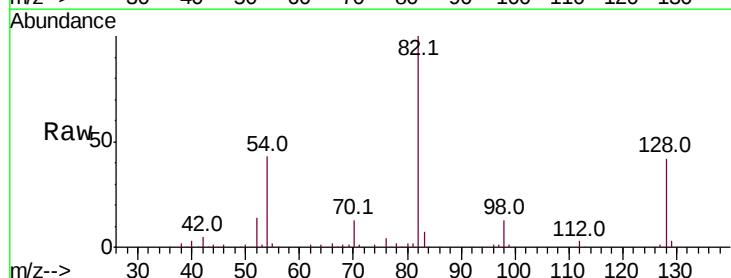
Tgt Ion: 82 Resp: 118179

Ion Ratio Lower Upper

82 100

128 42.0 36.8 55.2

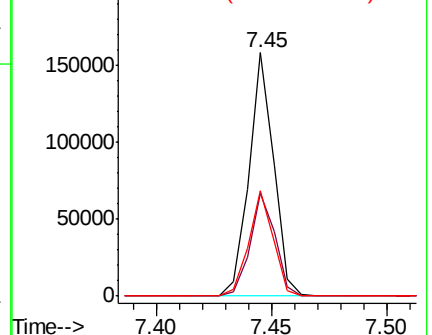
54 43.3 33.8 50.6

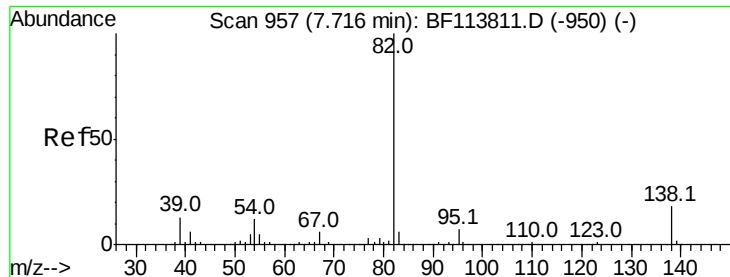


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.267 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampled :

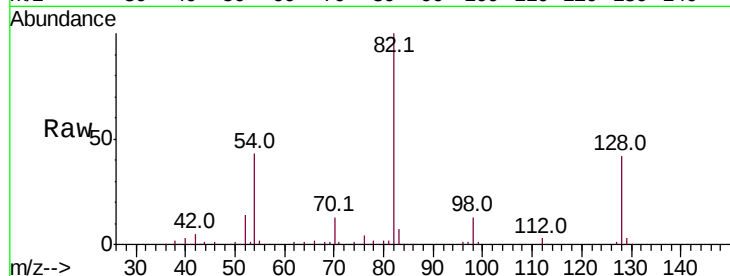
Tot Ion: 82 Resp: 118176

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

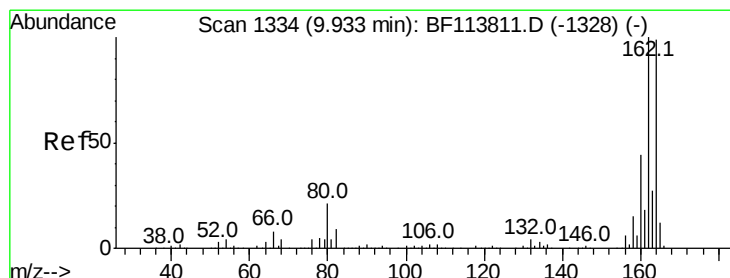
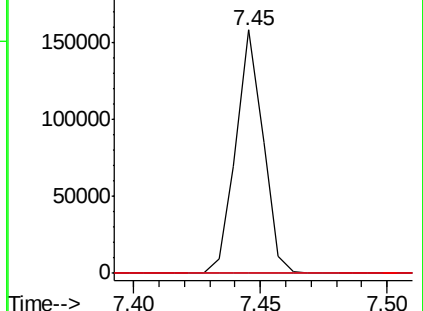
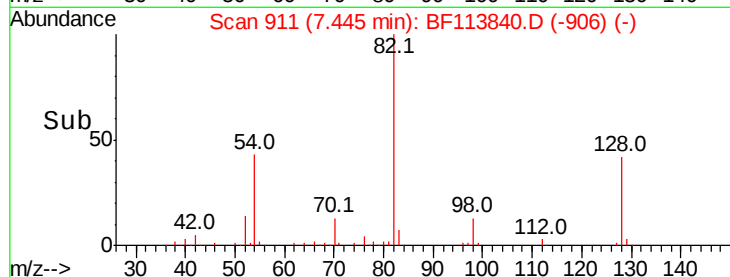
138 0.0 14.6 22.0#



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: BF113840.D

Acq: 19 Apr 2019 2:17

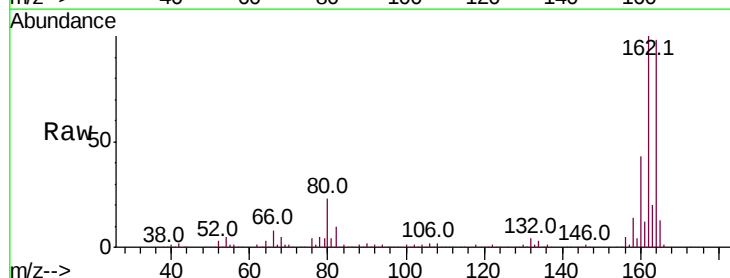
Tgt Ion:164 Resp: 233882

Ion Ratio Lower Upper

164 100

162 102.1 81.1 121.7

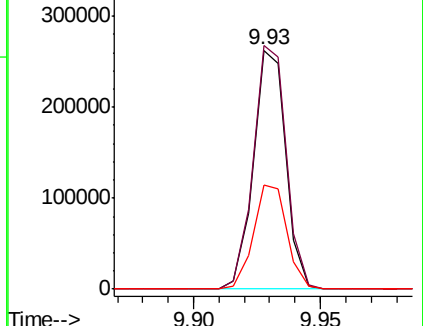
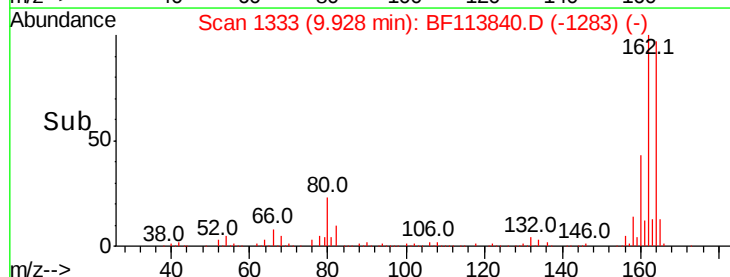
160 43.7 35.8 53.6

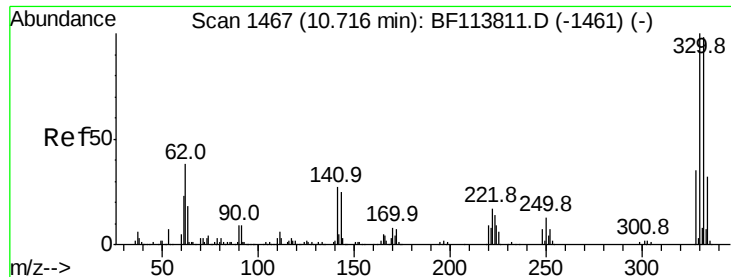


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

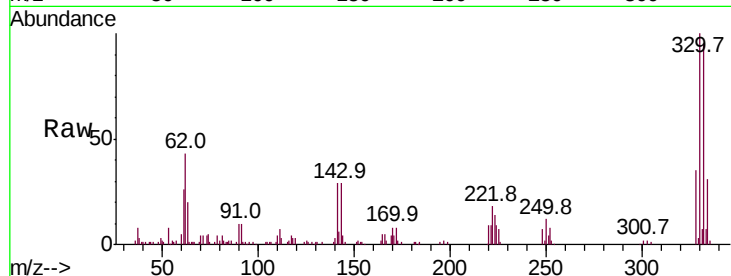




#42
 2,4,6-Tribromophenol
 Concen: 25.269 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113840.D
 Acq: 19 Apr 2019 2:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.5	116.3
141	29.2	22.2	33.2

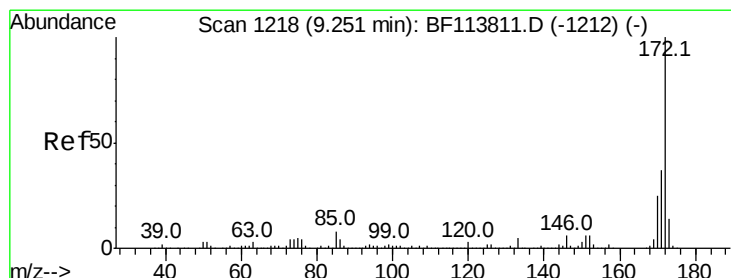
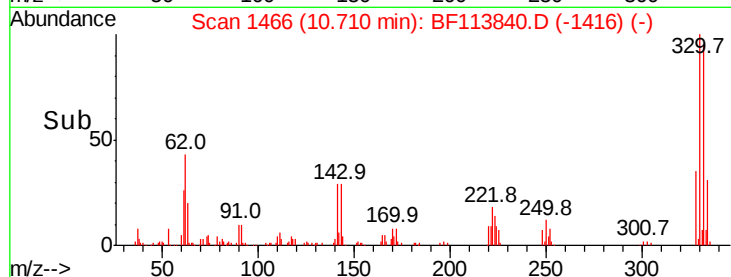
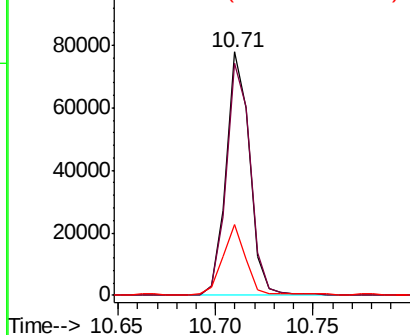


Abundance

Ion 329.80 (329.50 to 330.50): E

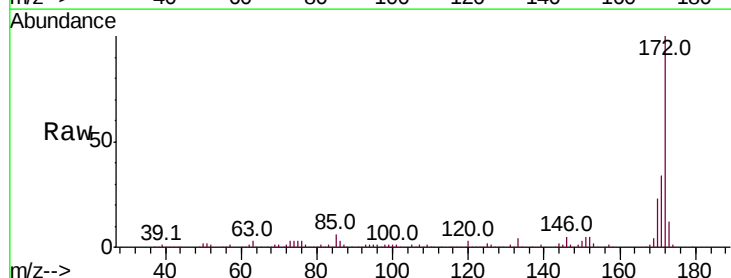
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 16.539 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113840.D
 Acq: 19 Apr 2019 2:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.4	44.0
170	23.2	19.9	29.9

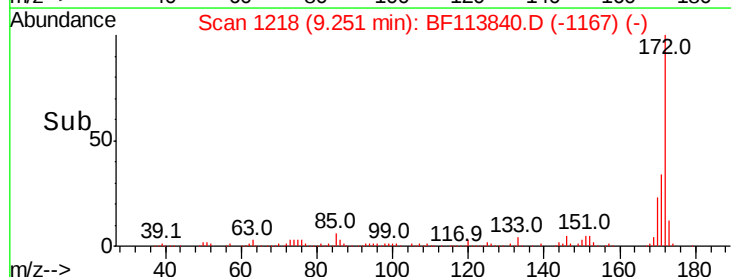
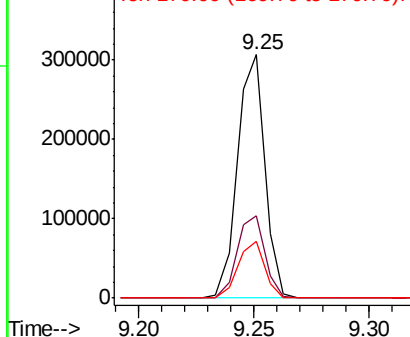


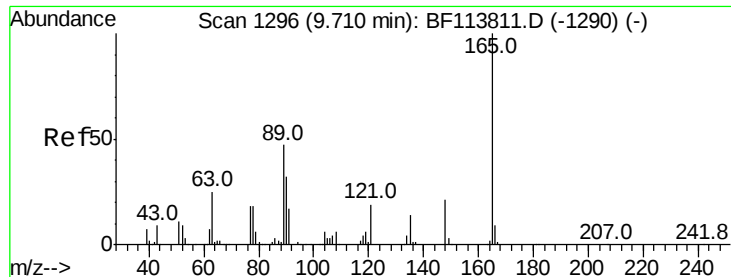
Abundance

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: 8.445 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampleId :

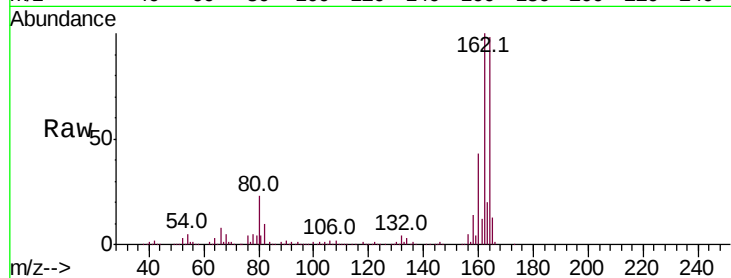
Tot Ion:165 Resp: 30507

Ion Ratio Lower Upper

165 100

63 1.4 33.8 50.8#

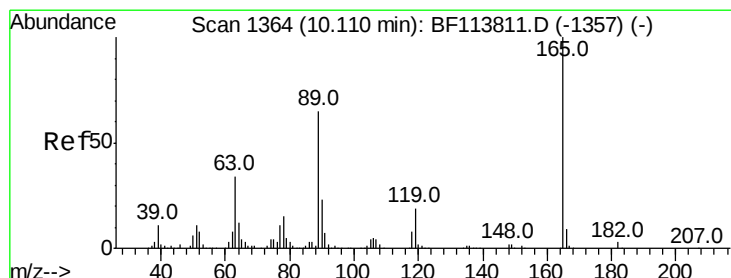
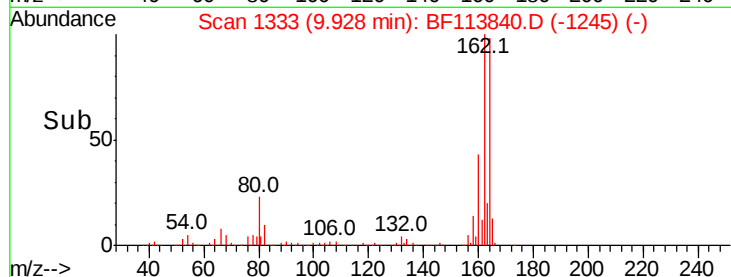
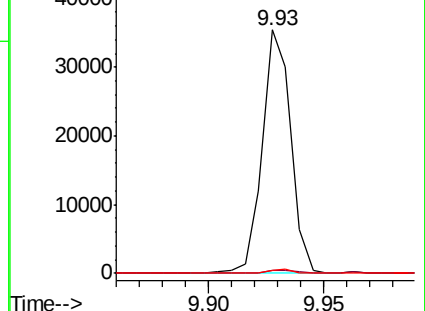
89 1.3 38.2 57.2#



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: 6.807 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Tgt Ion:165 Resp: 30507

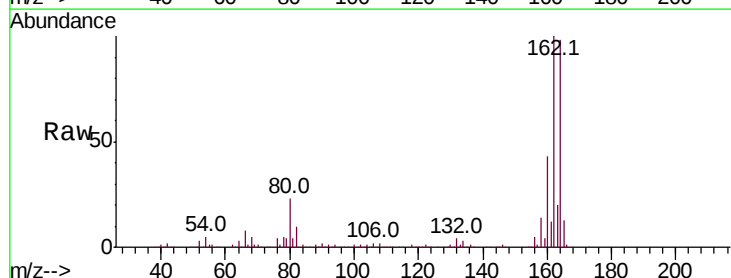
Ion Ratio Lower Upper

165 100

63 1.4 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

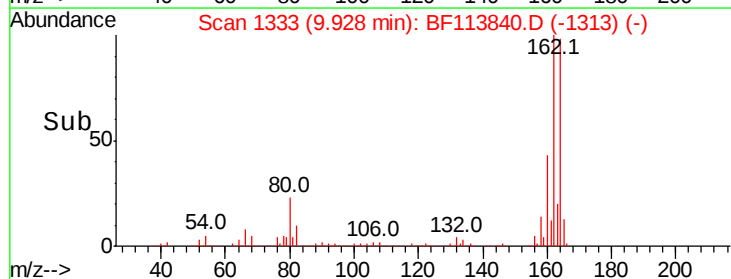
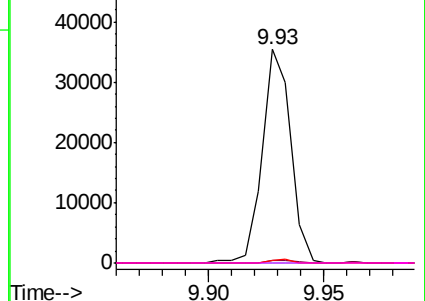


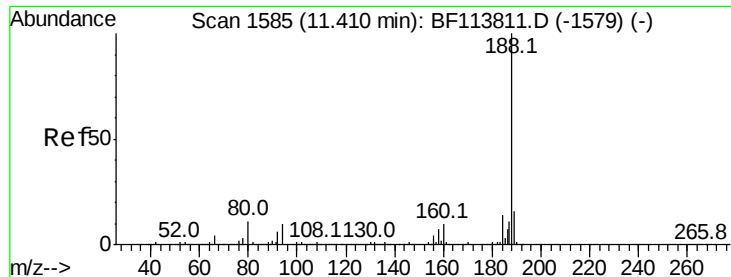
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampleId :

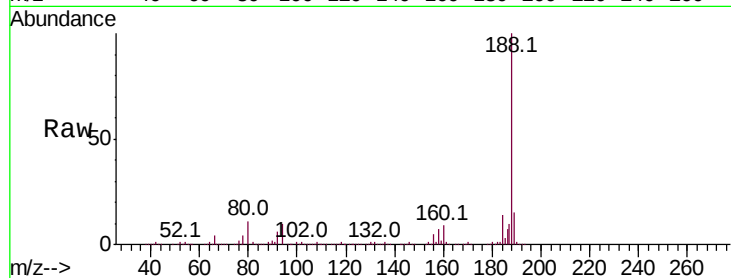
Tot Ion:188 Resp: 508946

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.4

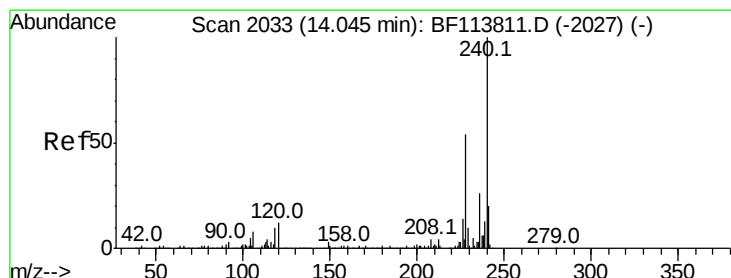
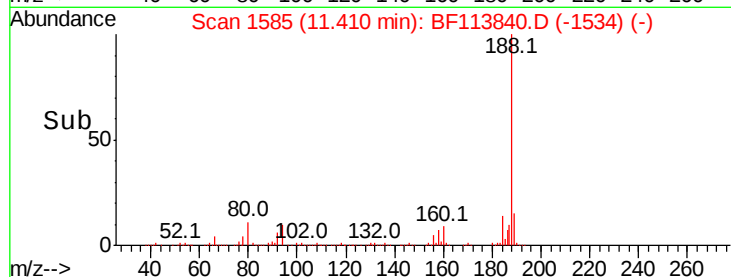
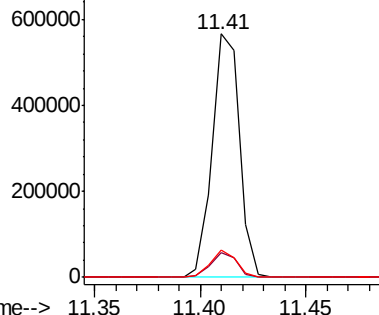
80 11.0 9.0 13.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

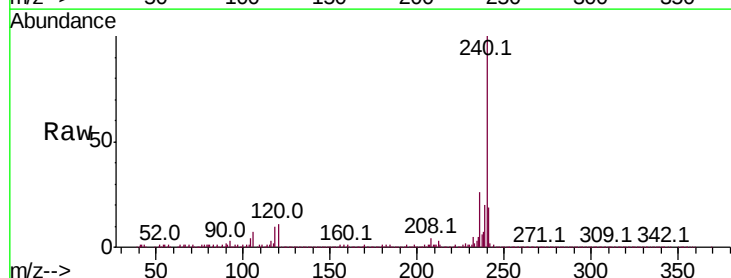
Tgt Ion:240 Resp: 491623

Ion Ratio Lower Upper

240 100

120 10.7 9.3 13.9

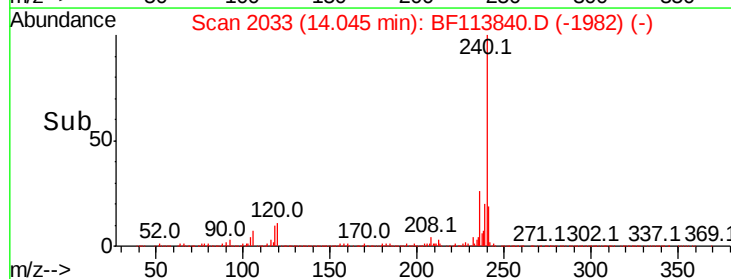
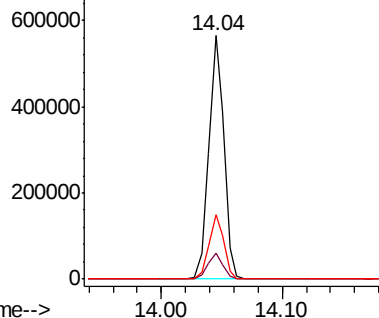
236 26.3 21.2 31.8

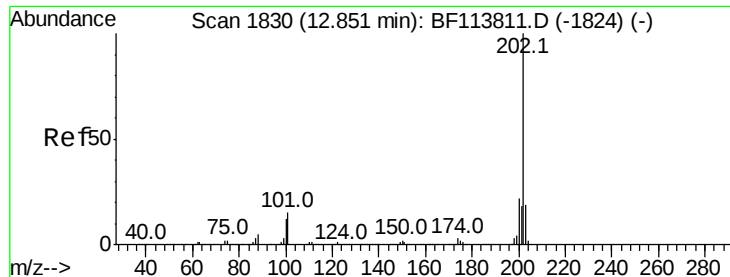


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.404 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

Instrument :

BNA_F

ClientSampleId :

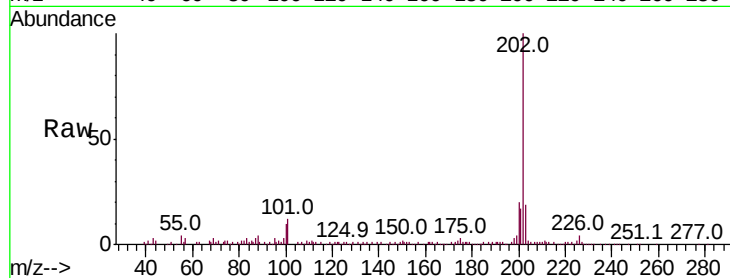
Tot Ion:202 Resp: 83301

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

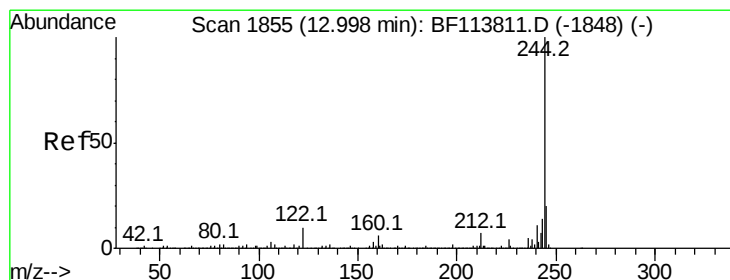
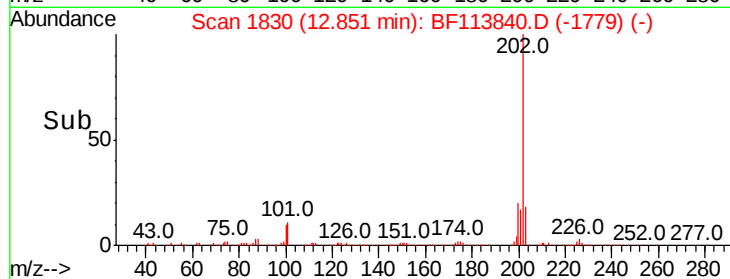
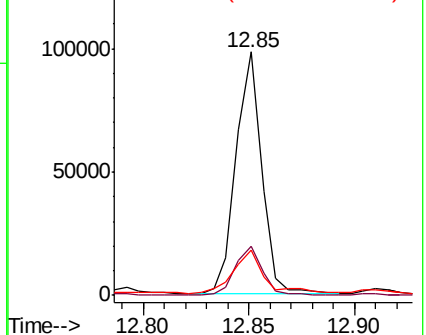
203 18.7 15.0 22.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 16.356 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113840.D

Acq: 19 Apr 2019 2:17

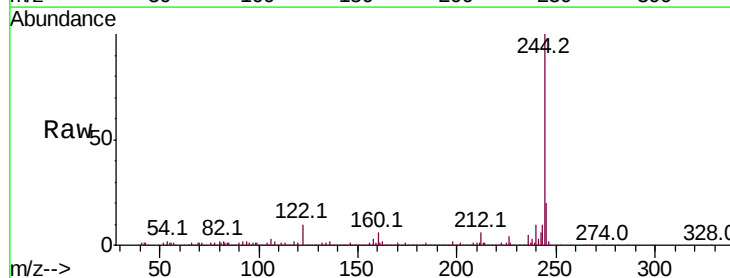
Tgt Ion:244 Resp: 383464

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

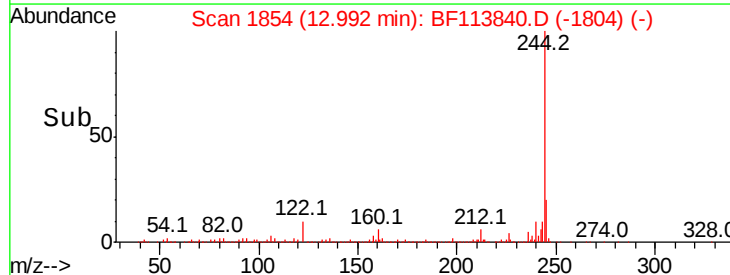
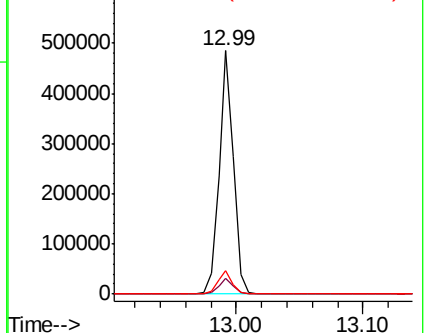
122 9.8 7.6 11.4

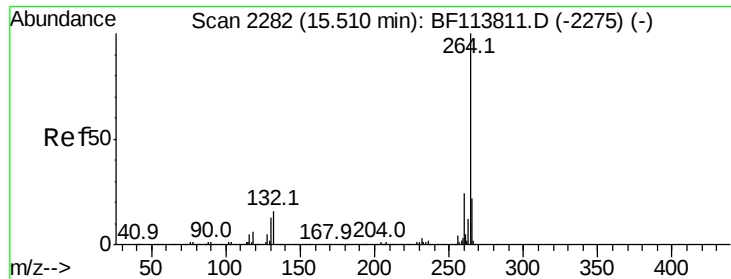


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF113840.D
 Acq: 19 Apr 2019 2:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.4	17.3	25.9

