

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118167.D
 Acq On : 10 Dec 2019 17:09
 Operator : JU
 Sample : K6118-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 02:34:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

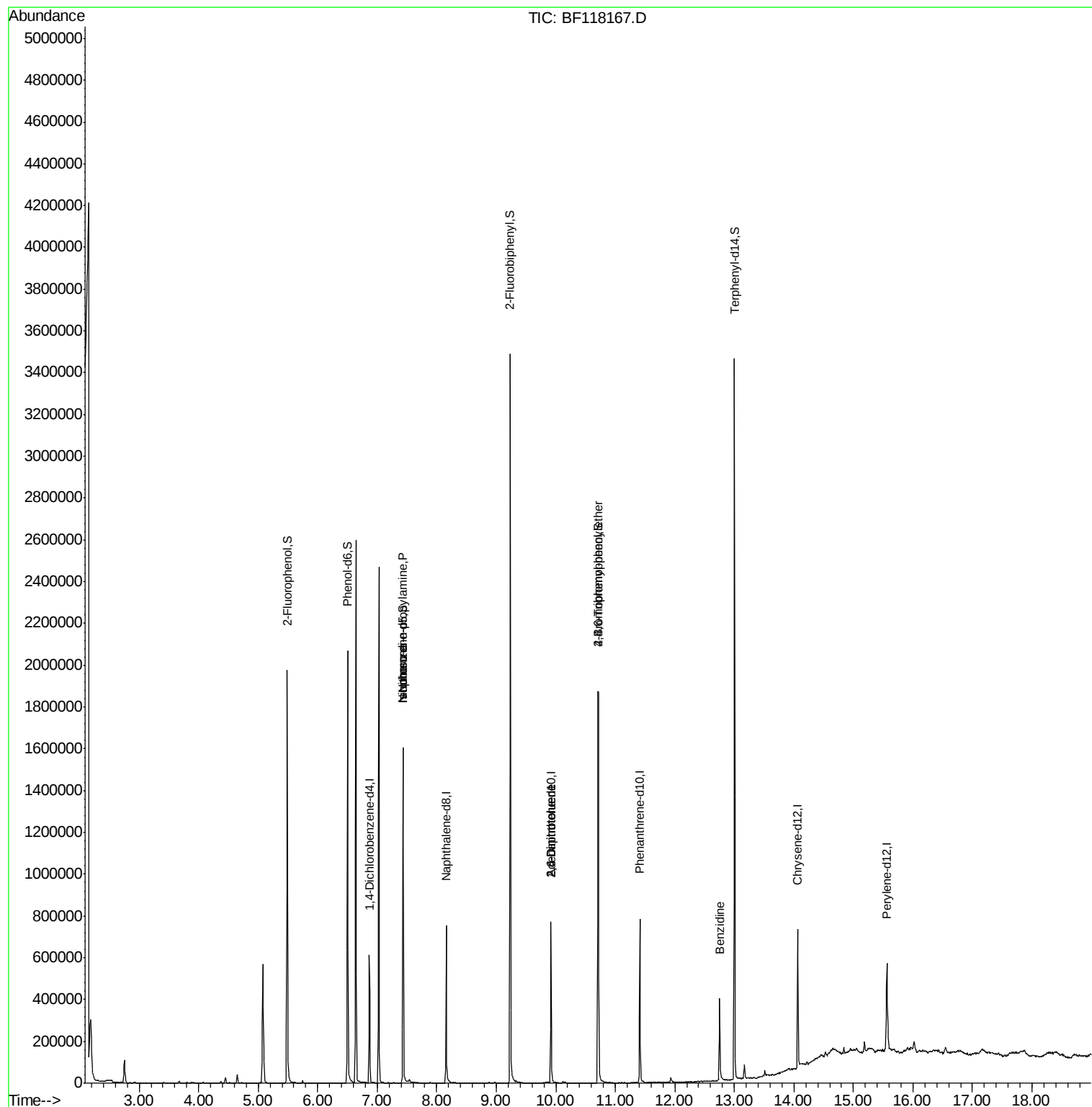
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	83056	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	337309	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	178209	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	308926	20.00	ng	0.00
76) Chrysene-d12	14.06	240	223607	20.00	ng	0.00
87) Perylene-d12	15.56	264	210033	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	619653	130.67	ng	0.01
7) Phenol-d6	6.50	99	694250	121.04	ng	0.00
23) Nitrobenzene-d5	7.43	82	502142	83.75	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	272606	125.92	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1033081	88.21	ng	0.00
79) Terphenyl-d14	13.00	244	1098985	84.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1065	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	69424	19.919 ng	#	1
25) Isophorone	7.43	82	502137	49.403 ng	#	77
51) 2,6-Dinitrotoluene	9.92	165	22720	7.938 ng	#	62
57) 2,4-Dinitrotoluene	9.92	165	22720	5.947 ng	#	28
67) 4-Bromophenyl-phenylether	10.72	248	16266	4.613 ng	#	26
77) Benizidine	12.75	184	172736	29.344 ng	#	1
						98

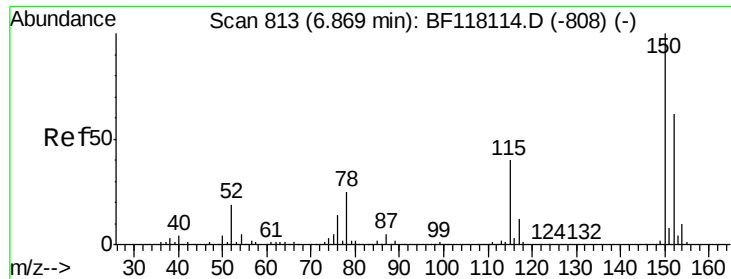
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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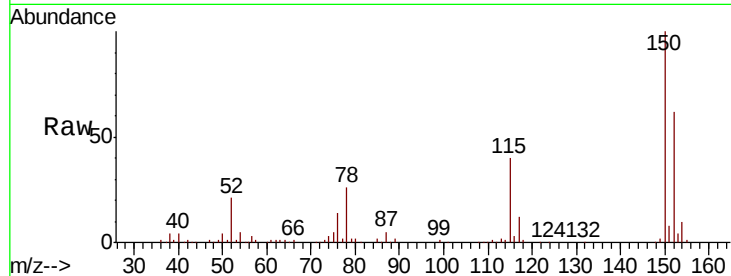


#1

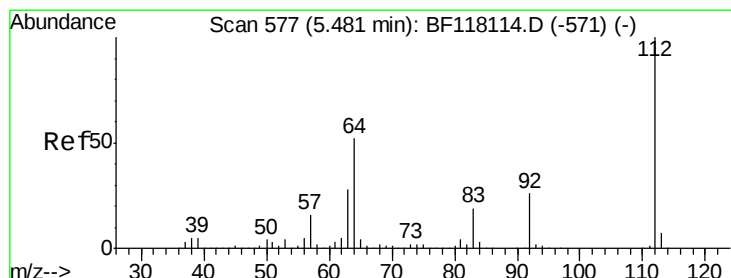
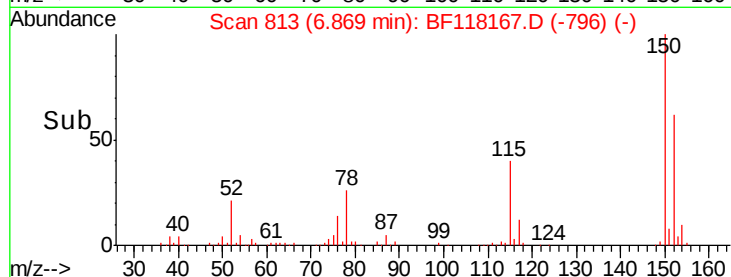
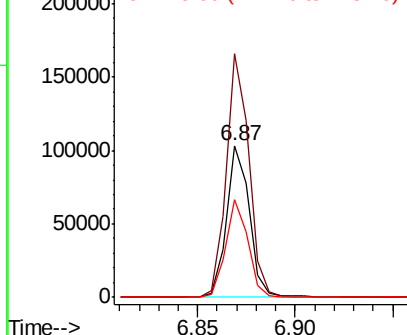
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118167.D
Acq: 10 Dec 2019 17:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 83056
Ion Ratio Lower Upper
152 100
150 160.1 128.3 192.5
115 64.0 51.1 76.7



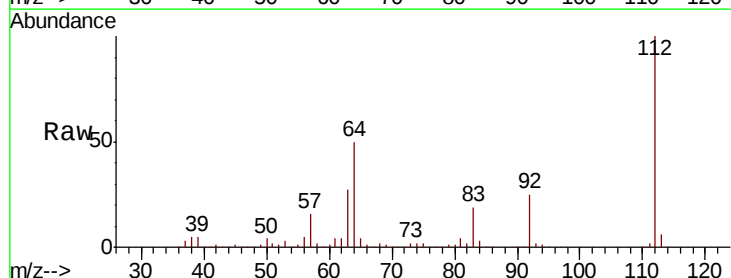
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



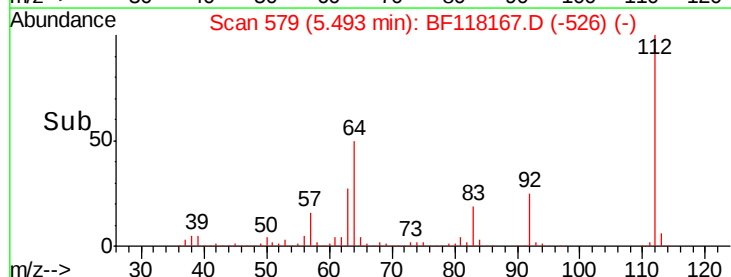
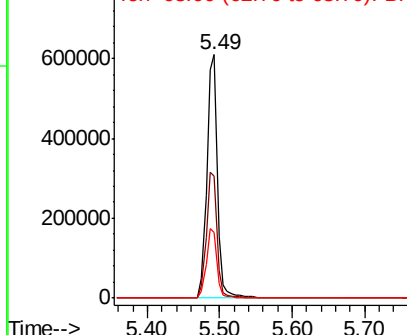
#5

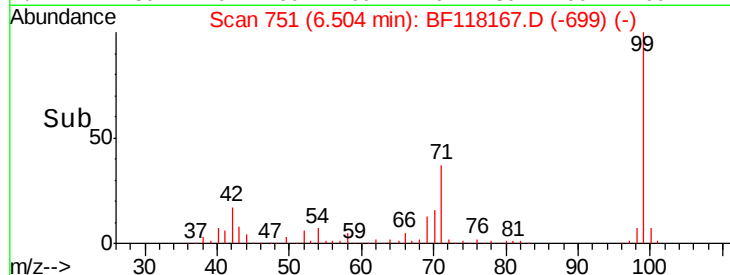
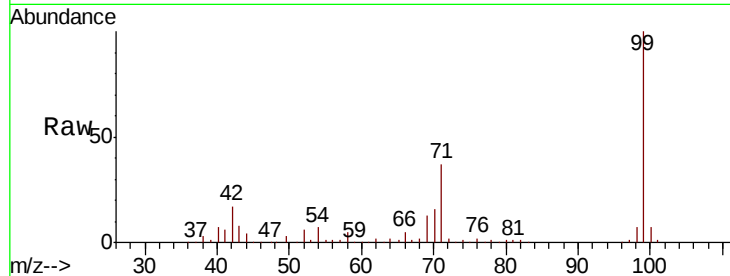
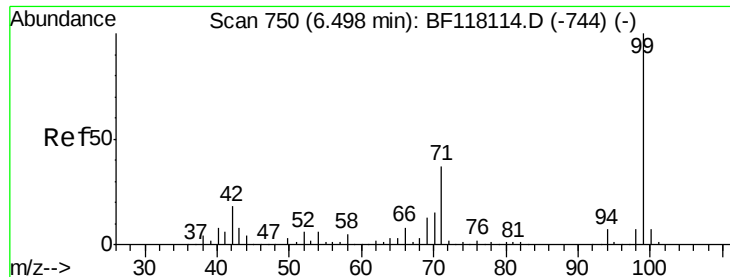
2-Fluorophenol
Concen: 130.671 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118167.D
Acq: 10 Dec 2019 17:09

Tgt Ion:112 Resp: 619653
Ion Ratio Lower Upper
112 100
64 50.1 41.3 61.9
63 27.1 22.4 33.6



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: 121.040 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Instrument :

BNA_F

ClientSampled :

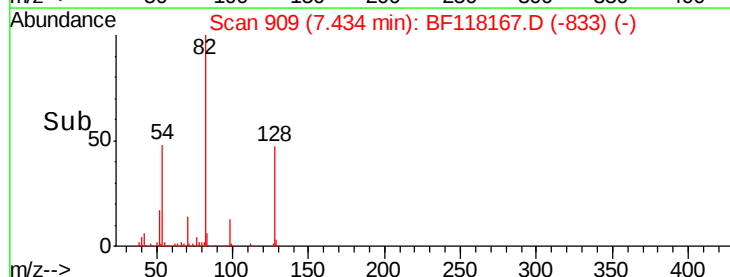
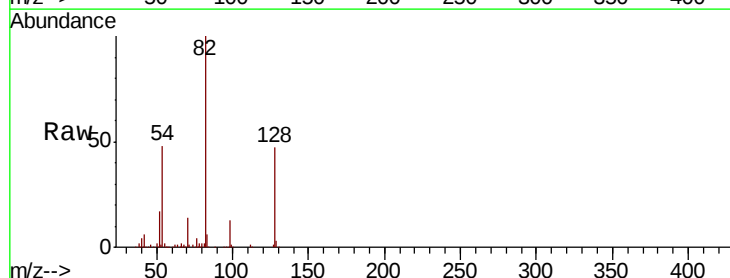
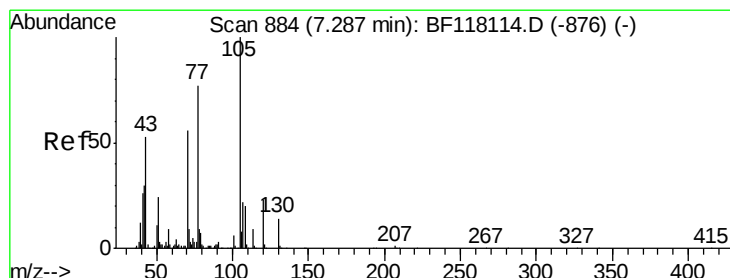
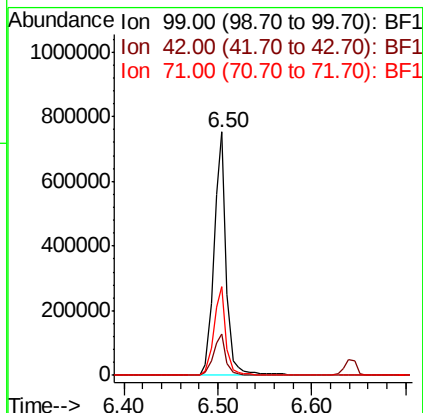
Tot Ion: 99 Resp: 694250

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

71 36.5 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.919 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Tgt Ion: 70 Resp: 69424

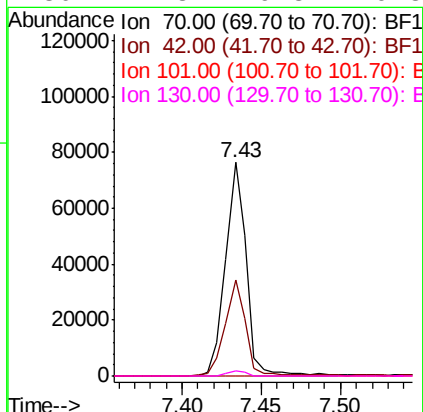
Ion Ratio Lower Upper

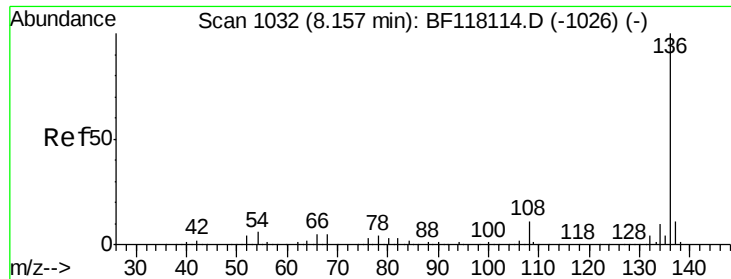
70 100

42 44.8 43.2 64.8

101 0.0 8.1 12.1#

130 2.3 19.8 29.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 337309

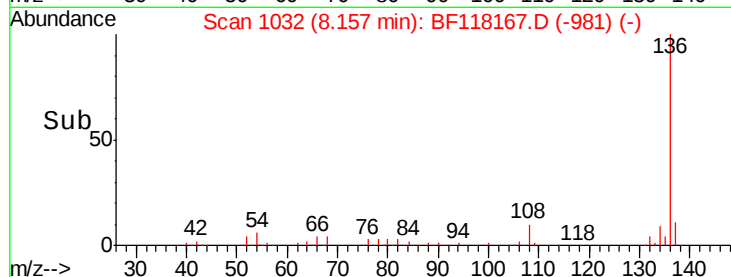
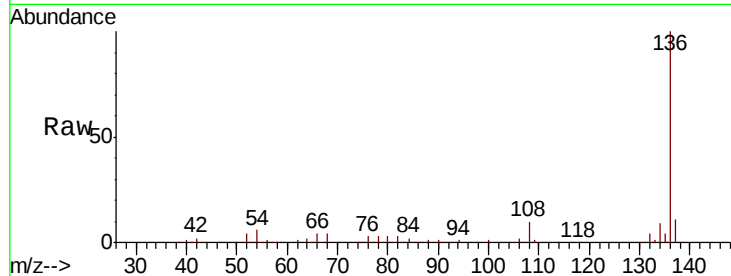
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 6.2 5.0 7.6

68 4.4 3.8 5.8

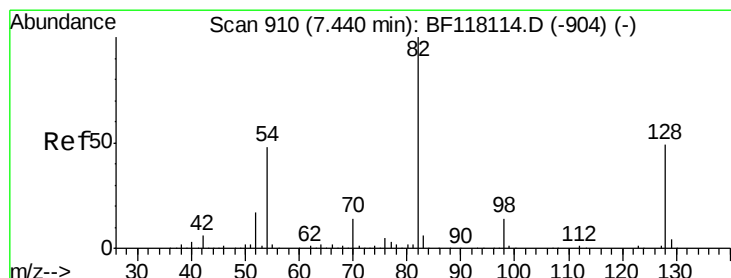
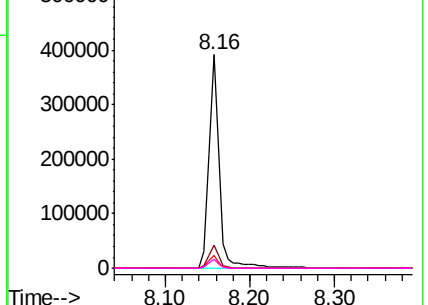


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.749 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

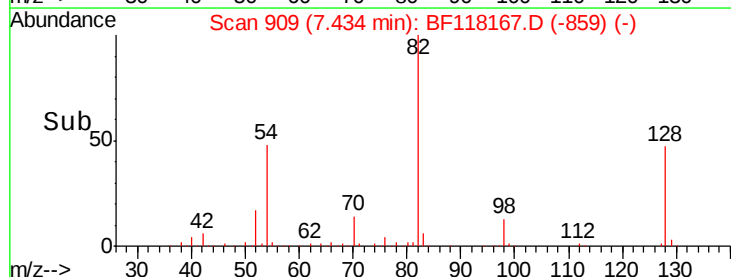
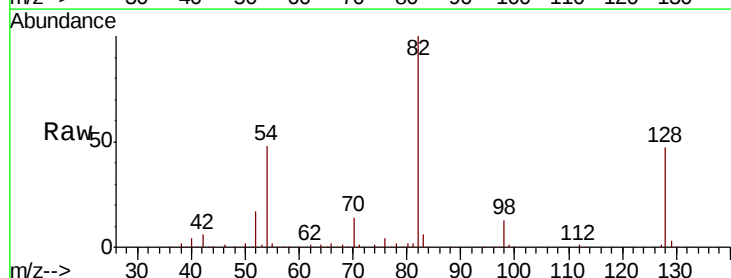
Tgt Ion: 82 Resp: 502142

Ion Ratio Lower Upper

82 100

128 46.9 39.1 58.7

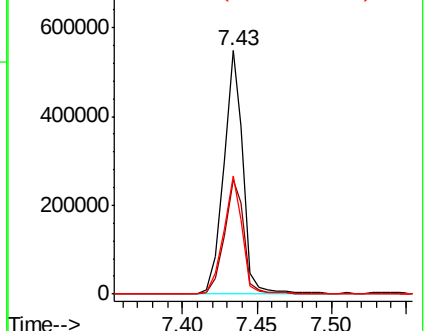
54 48.3 38.2 57.2

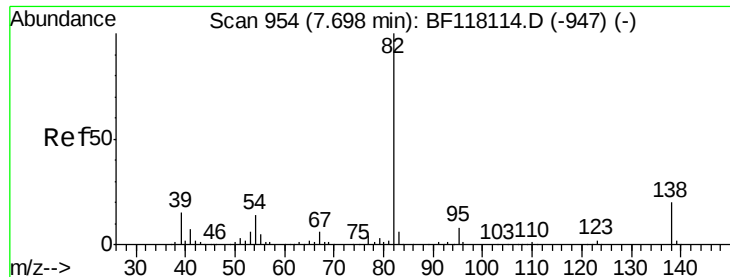


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.403 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Instrument :

BNA_F

ClientSampleId :

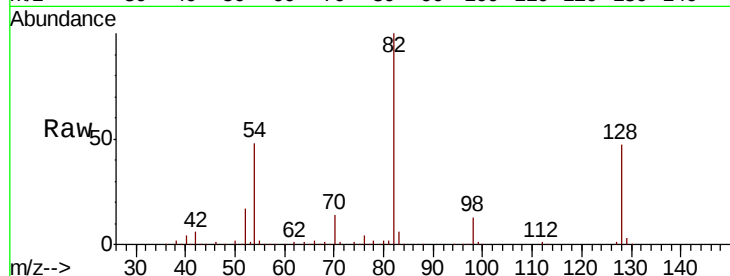
Tot Ion: 82 Resp: 502137

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

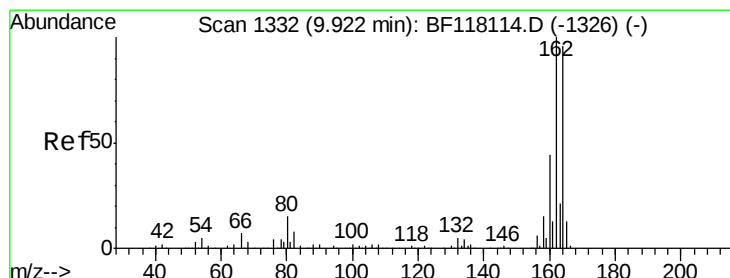
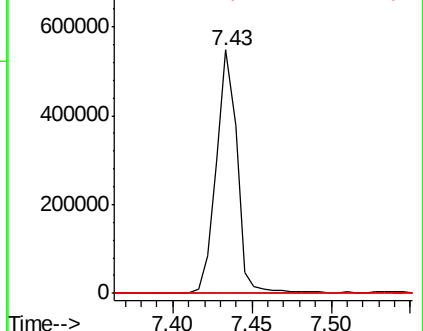
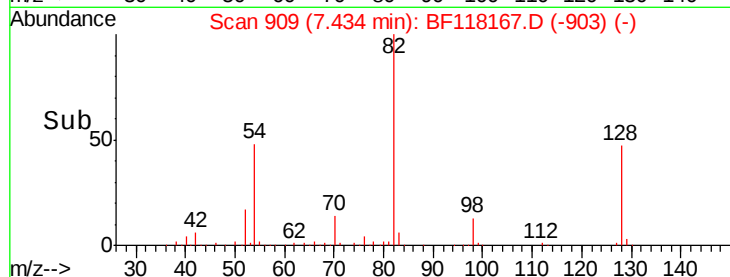
138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

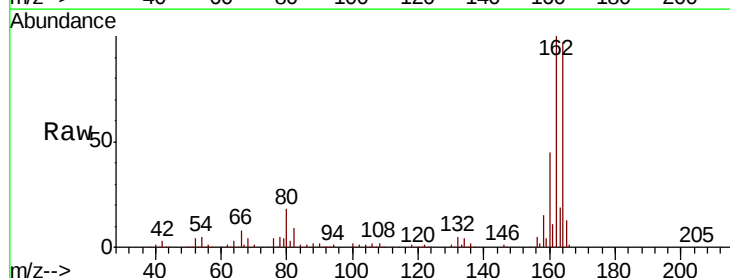
Tgt Ion:164 Resp: 178209

Ion Ratio Lower Upper

164 100

162 102.6 83.4 125.0

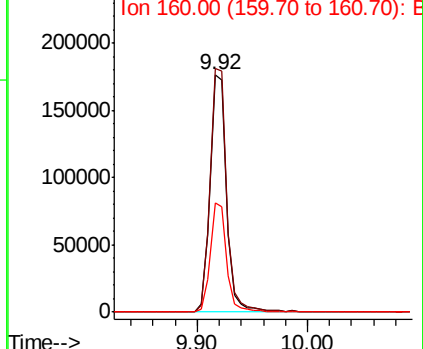
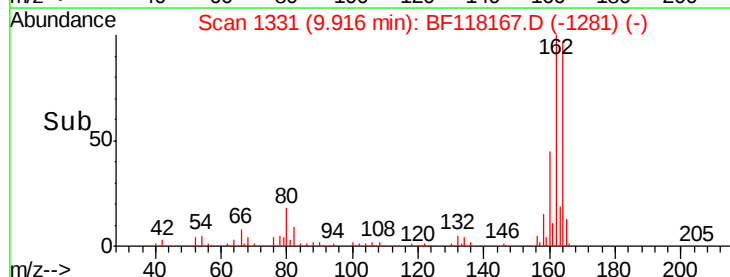
160 45.8 36.6 54.8

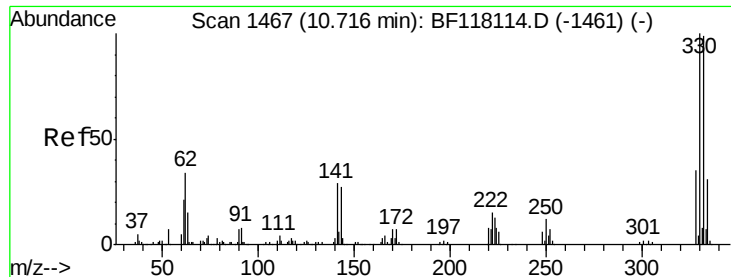


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

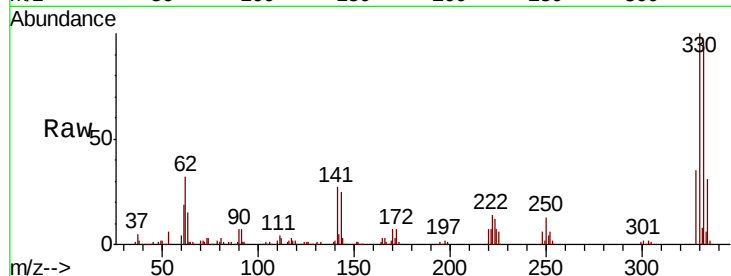




#42
 2,4,6-Tribromophenol
 Concen: 125.920 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.1	117.1
141	33.3	26.9	40.3

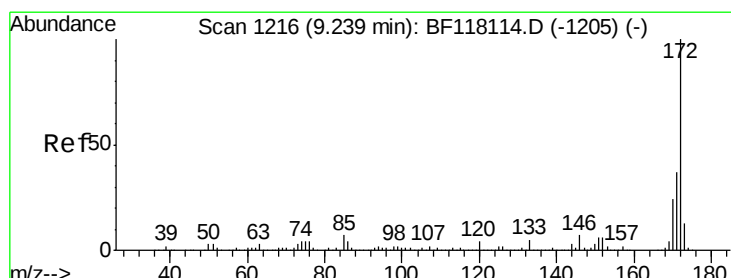
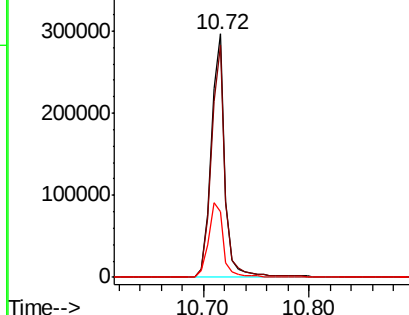
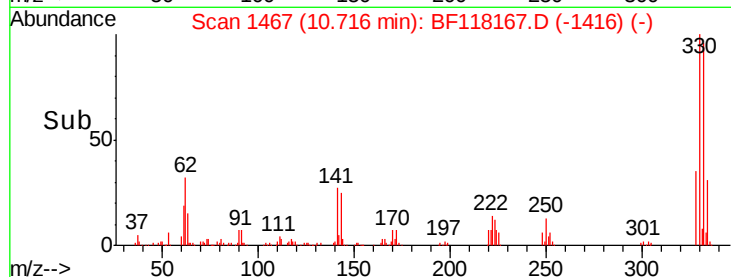


Abundance

Ion 329.80 (329.50 to 330.50): E

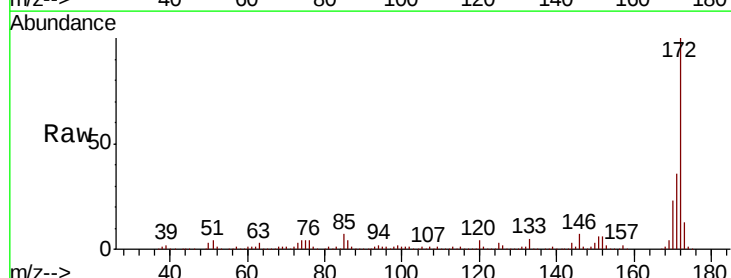
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.210 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.4	19.4	29.2

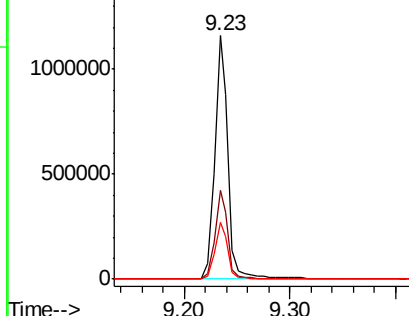
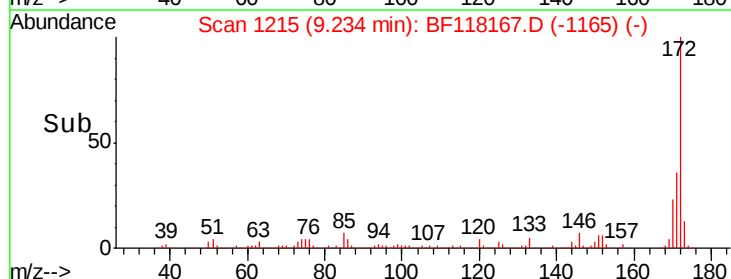


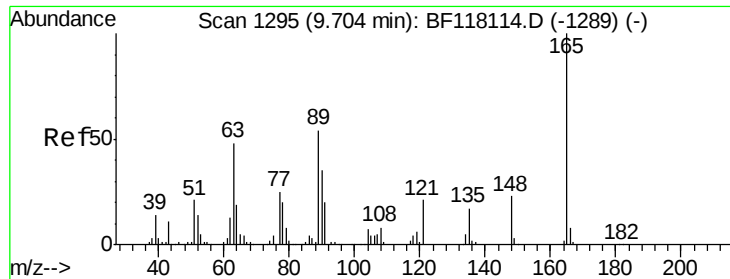
Abundance

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: 7.938 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Instrument :

BNA_F

ClientSampleId :

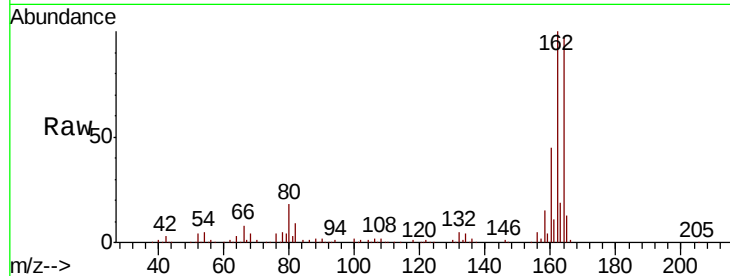
Tot Ion:165 Resp: 22720

Ion Ratio Lower Upper

165 100

63 1.7 41.4 62.0#

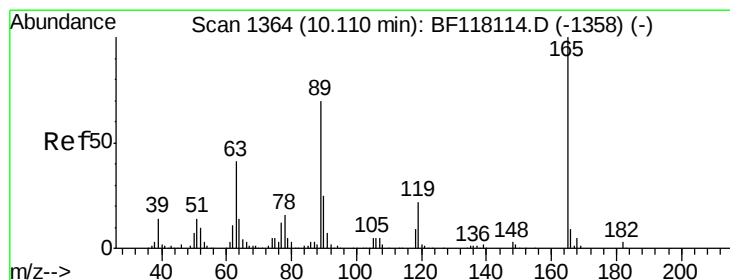
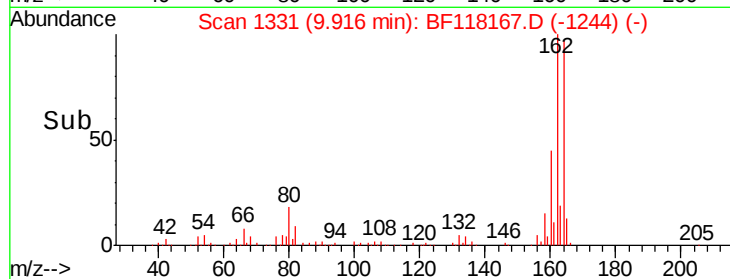
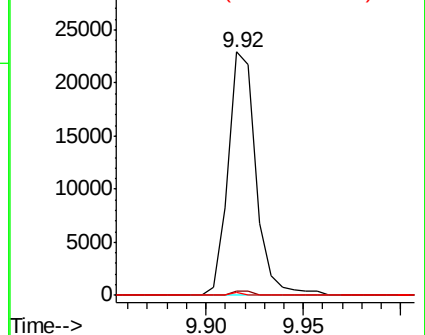
89 1.3 42.9 64.3#



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: 5.947 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Tgt Ion:165 Resp: 22720

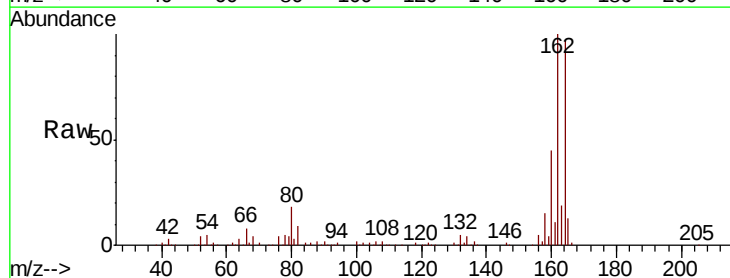
Ion Ratio Lower Upper

165 100

63 1.7 32.6 49.0#

89 1.3 56.1 84.1#

182 0.0 2.1 3.1#

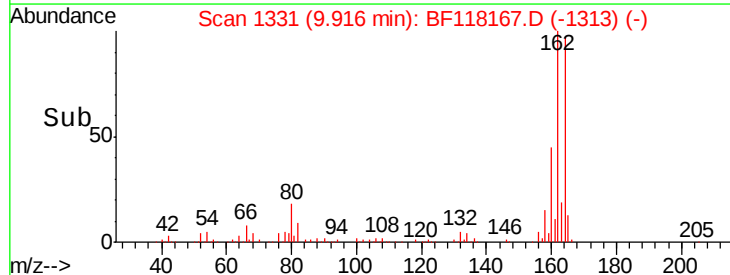
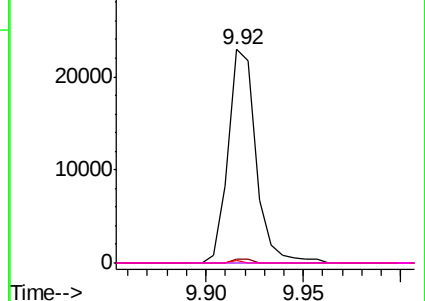


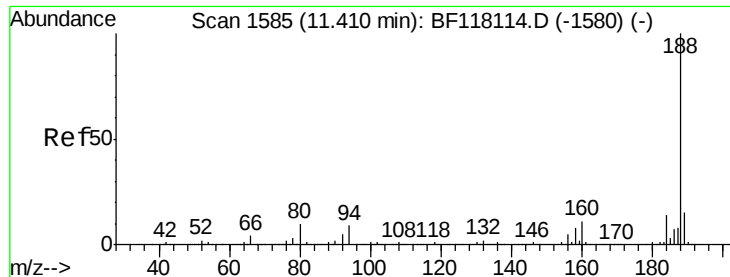
Abundance Ion 165.00 (164.70 to 165.70): E

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

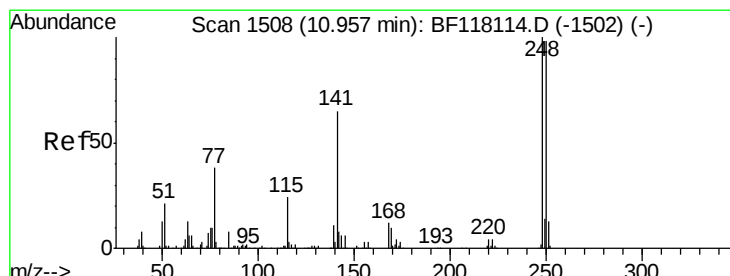
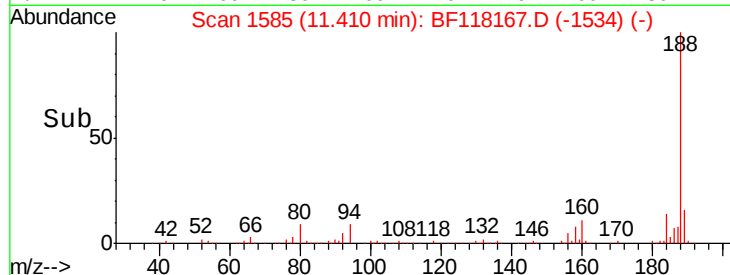
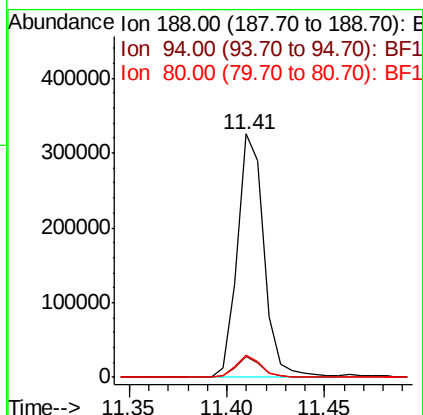
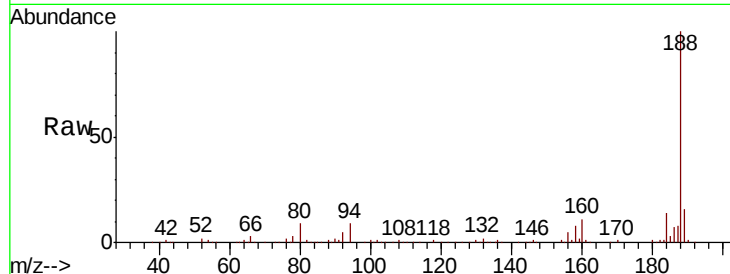




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

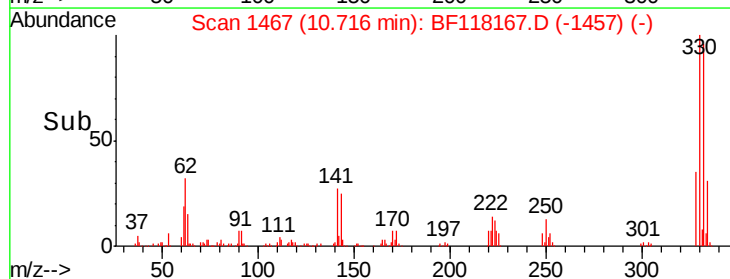
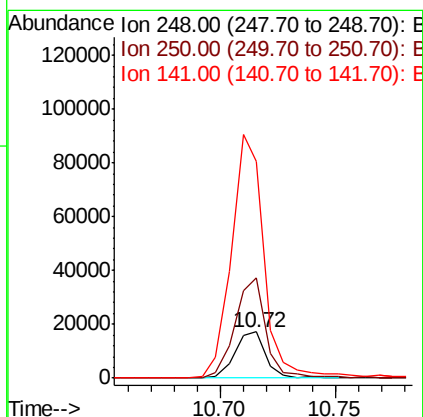
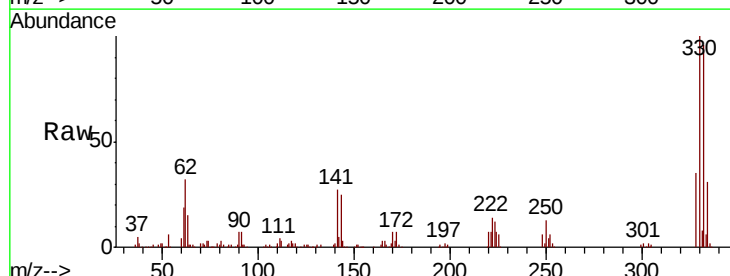
Instrument :
 BNA_F
 ClientSampleId :

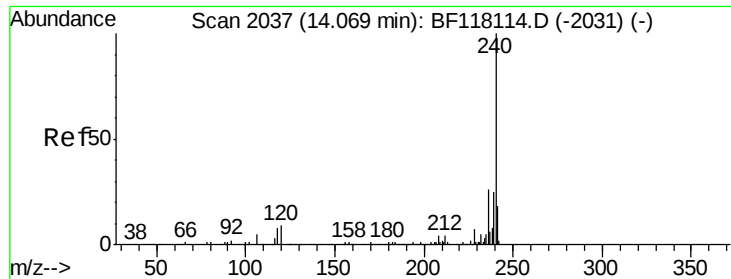
Tot Ion:188 Resp: 308926
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.1 10.7
 80 9.3 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.613 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.24 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

Tgt Ion:248 Resp: 16266
 Ion Ratio Lower Upper
 248 100
 250 216.6 78.3 117.5#
 141 466.3 52.2 78.4#

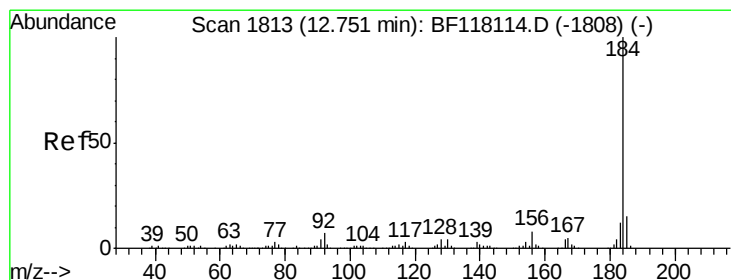
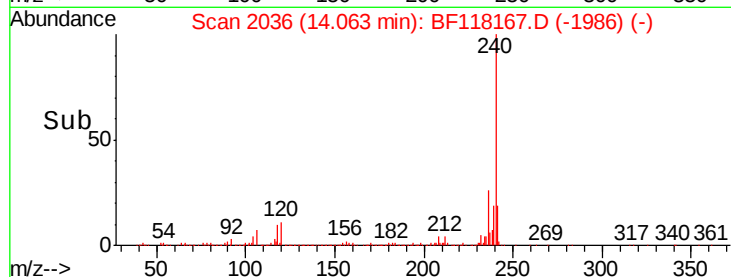
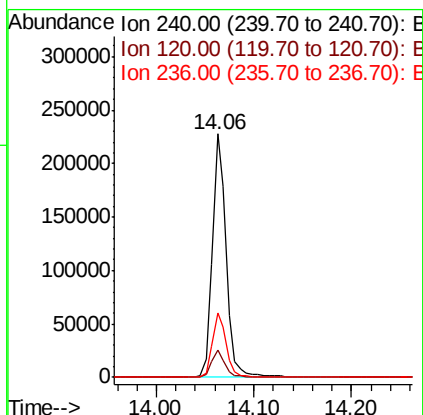
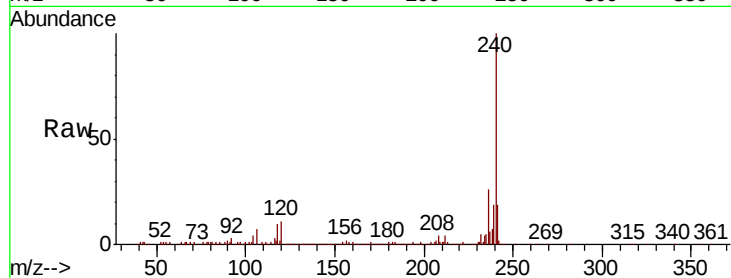




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

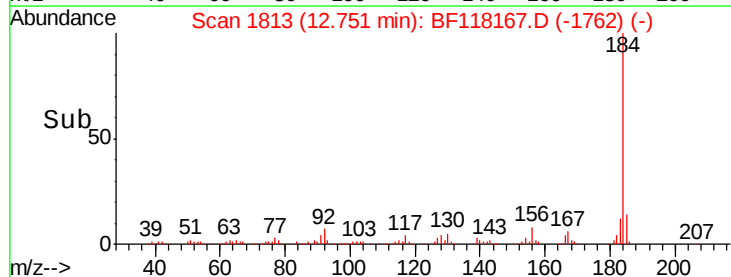
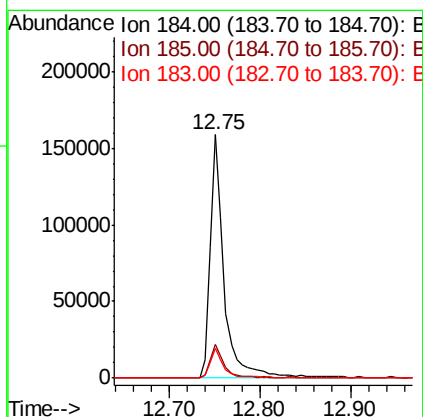
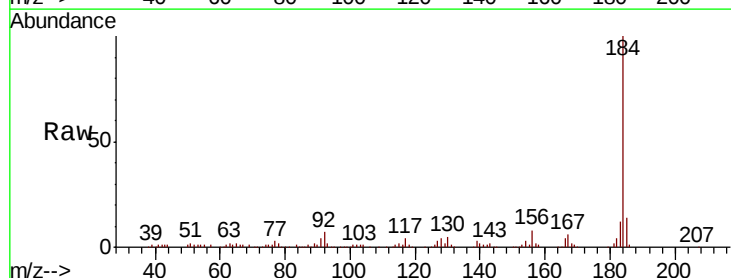
Instrument :
 BNA_F
 ClientSampleId :

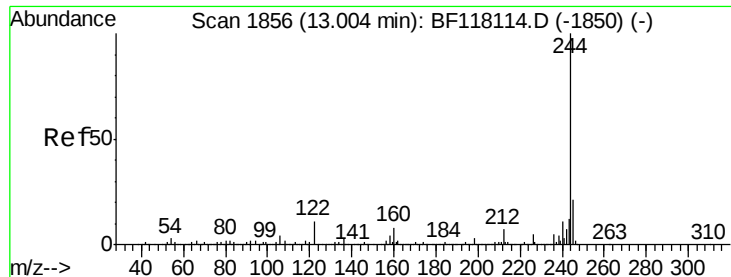
Tot Ion:240 Resp: 223607
 Ion Ratio Lower Upper
 240 100
 120 11.1 7.1 10.7#
 236 26.5 21.0 31.6



#77
 Benzidine
 Concen: 29.344 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BF118167.D
 Acq: 10 Dec 2019 17:09

Tgt Ion:184 Resp: 172736
 Ion Ratio Lower Upper
 184 100
 185 13.8 12.3 18.5
 183 12.1 9.9 14.9





#79

Terphenyl-d14

Concen: 84.516 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

Instrument :

BNA_F

ClientSampleId :

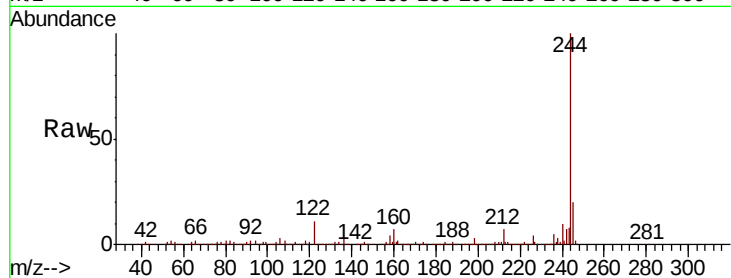
Tot Ion:244 Resp: 1098985

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

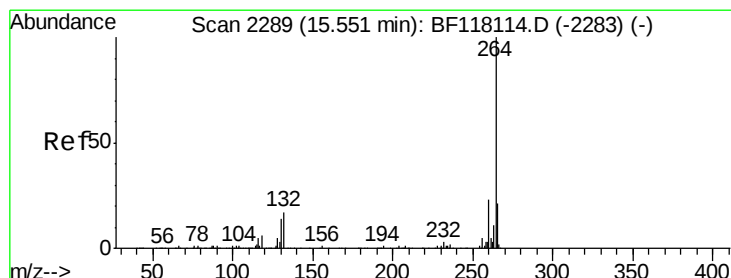
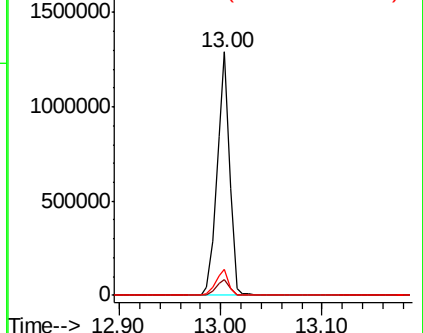
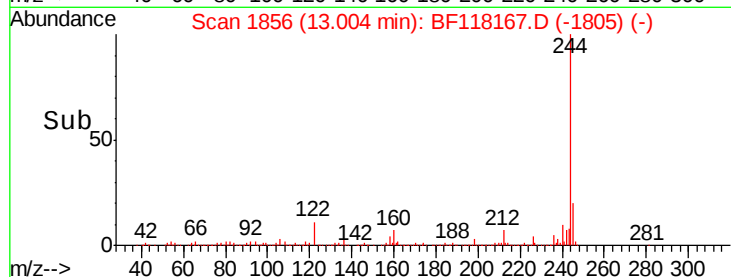
122 10.8 9.0 13.6



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: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF118167.D

Acq: 10 Dec 2019 17:09

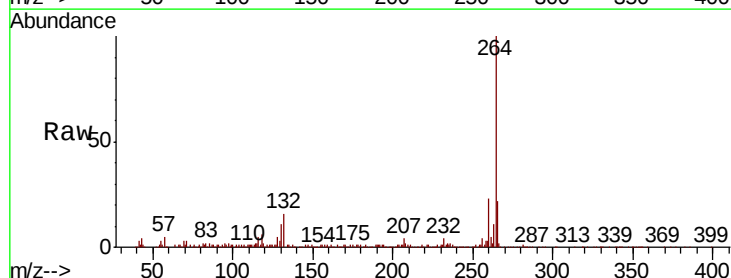
Tgt Ion:264 Resp: 210033

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.6 16.8 25.2



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

