

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118184.D
 Acq On : 13 Dec 2019 14:12
 Operator : JU
 Sample : PB125420TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 17:32:52 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

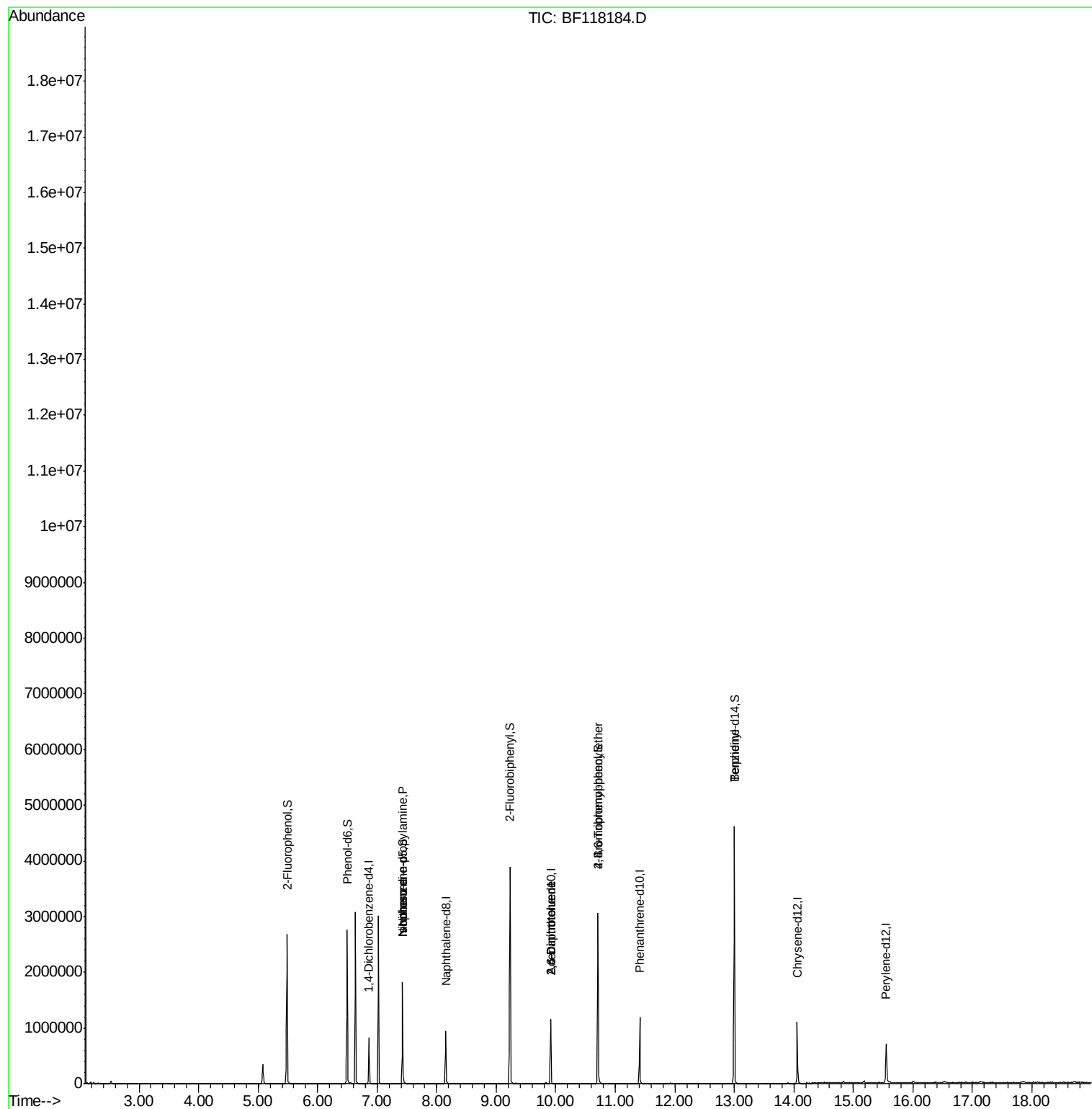
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	115455	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	453114	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	241757	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	462297	20.00	ng	0.00
76) Chrysene-d12	14.06	240	368471	20.00	ng	-0.01
87) Perylene-d12	15.55	264	346417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	754933	114.52	ng	0.00
7) Phenol-d6	6.50	99	982078	123.17	ng	0.00
23) Nitrobenzene-d5	7.43	82	616319	76.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	378924	129.02	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1304172	82.09	ng	0.00
79) Terphenyl-d14	13.00	244	1778224	82.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1370	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	84539	17.449 ng	#	76
25) Isophorone	7.43	82	608571	44.572 ng	#	62
51) 2,6-Dinitrotoluene	9.92	165	30531	7.863 ng	#	27
57) 2,4-Dinitrotoluene	9.92	165	30531	5.891 ng	#	25
67) 4-Bromophenyl-phenylether	10.71	248	23684	4.488 ng	#	1
77) Benizidine	13.00	184	24740	2.551 ng	#	93

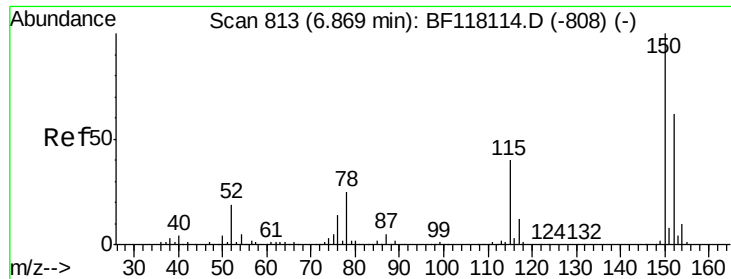
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
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ClientSampleId :

Quant Time: Dec 13 17:32:52 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

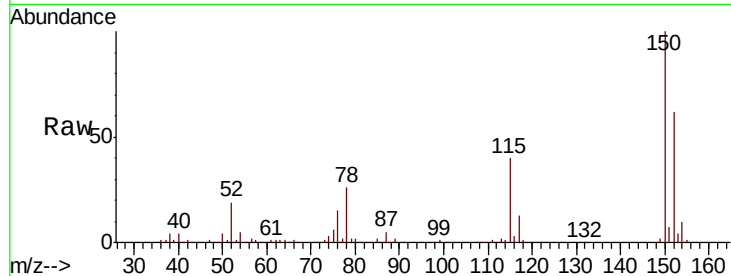




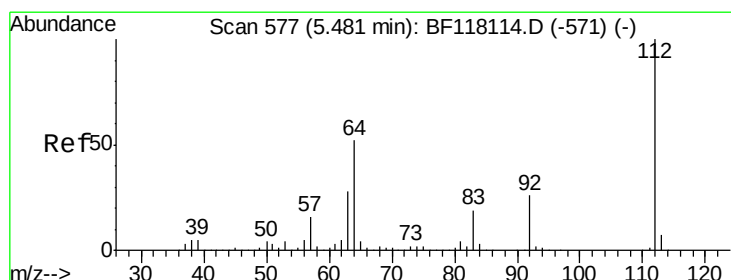
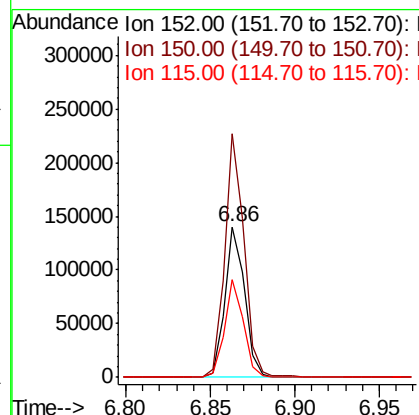
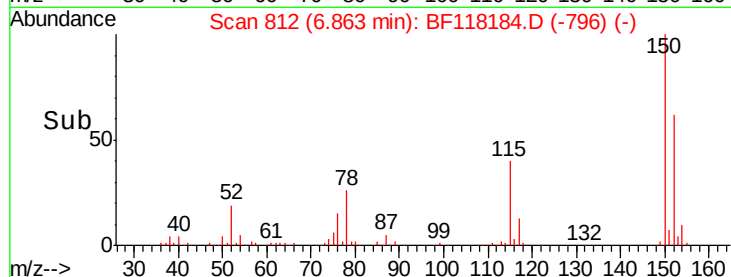
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 115455
 Ion Ratio Lower Upper
 152 100
 150 161.5 128.3 192.5
 115 64.8 51.1 76.7

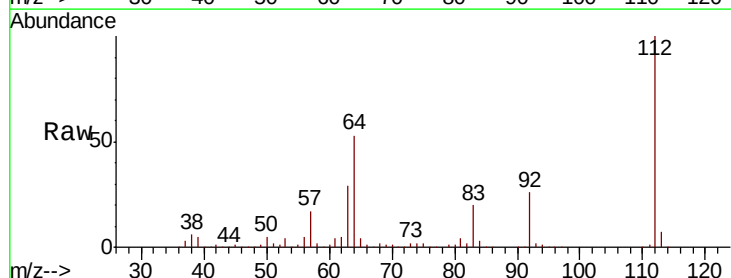


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

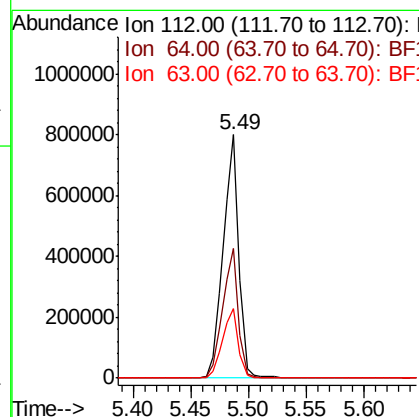
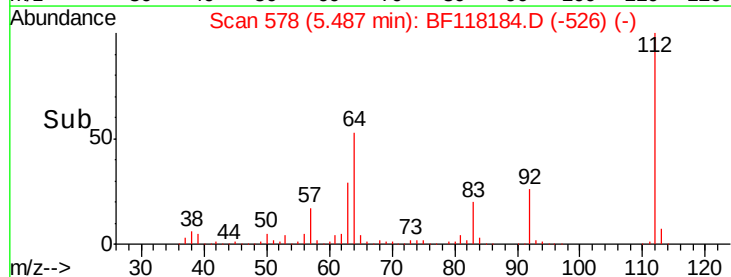


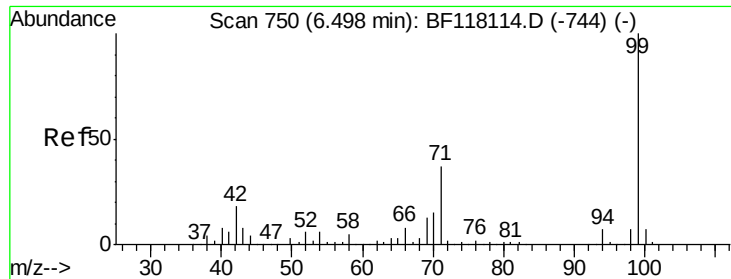
#5
 2-Fluorophenol
 Concen: 114.524 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Tgt Ion:112 Resp: 754933
 Ion Ratio Lower Upper
 112 100
 64 53.4 41.3 61.9
 63 28.6 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: 123.174 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

Instrument :

BNA_F

ClientSampled :

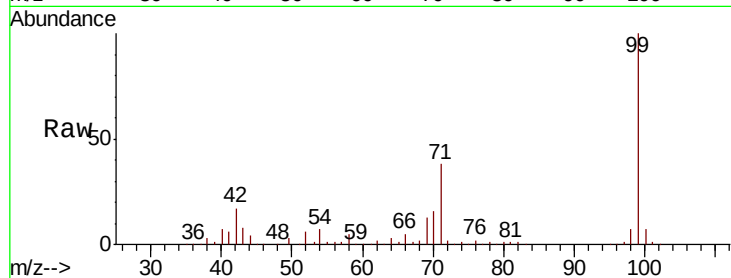
Tot Ion: 99 Resp: 982078

Ion Ratio Lower Upper

99 100

42 17.5 14.1 21.1

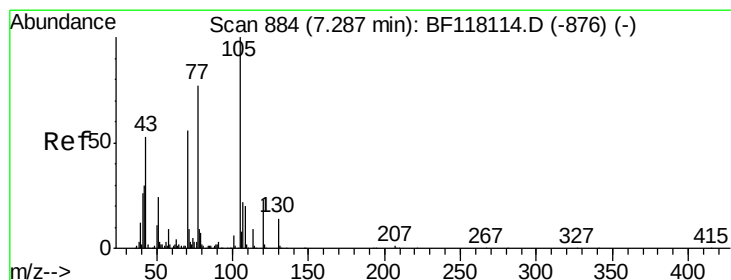
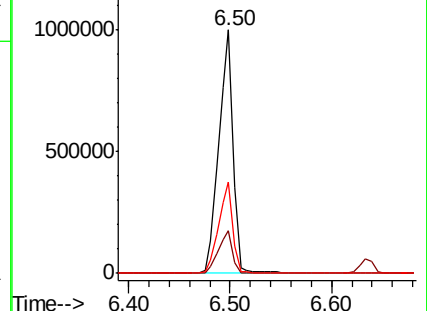
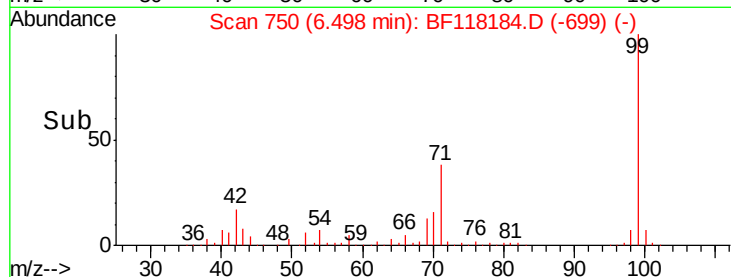
71 37.5 29.7 44.5



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: 17.449 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

Tgt Ion: 70 Resp: 84539

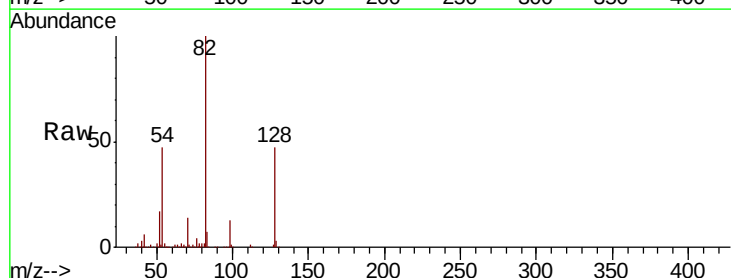
Ion Ratio Lower Upper

70 100

42 44.8 43.2 64.8

101 0.0 8.1 12.1#

130 1.9 19.8 29.8#

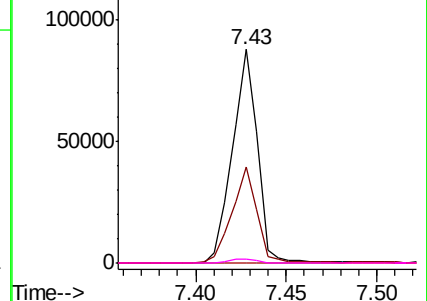
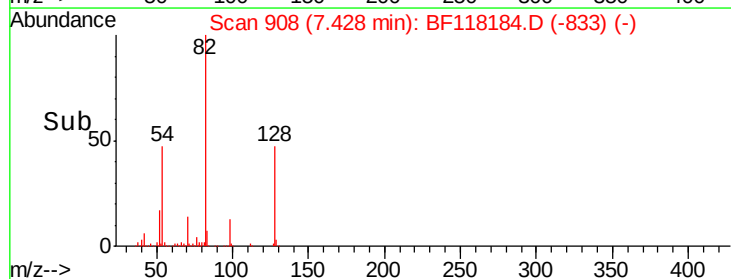


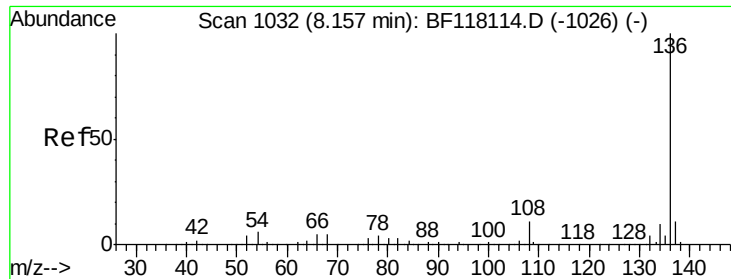
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

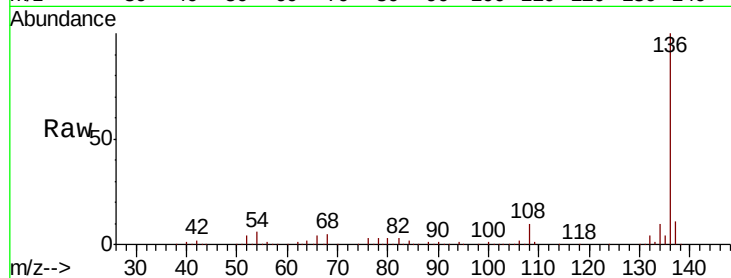




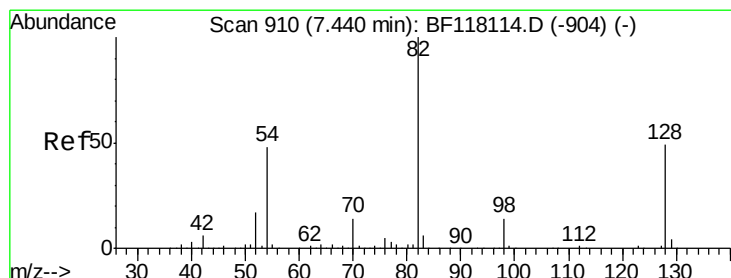
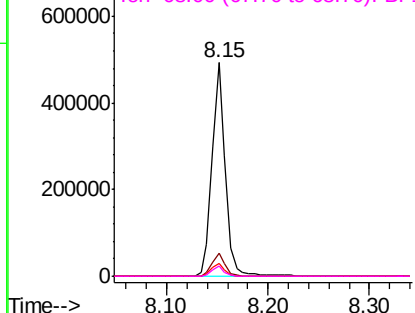
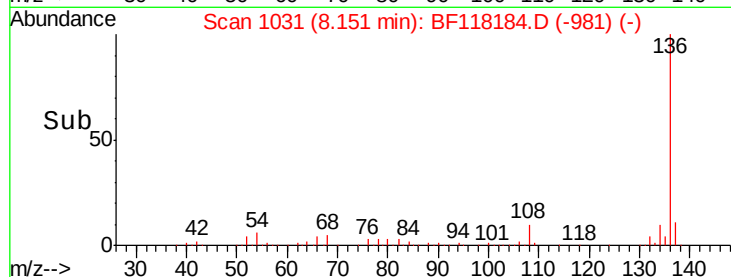
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118184.D
Acq: 13 Dec 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	453114
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.6
54	6.0	5.0 7.6
68	4.8	3.8 5.8

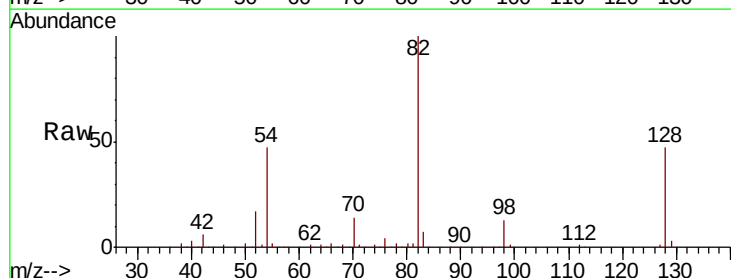


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

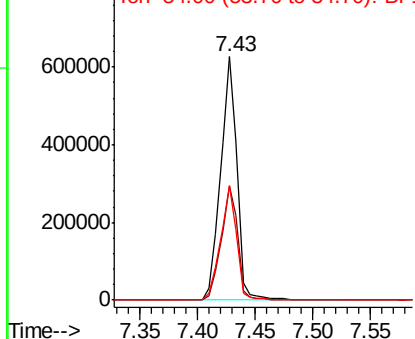
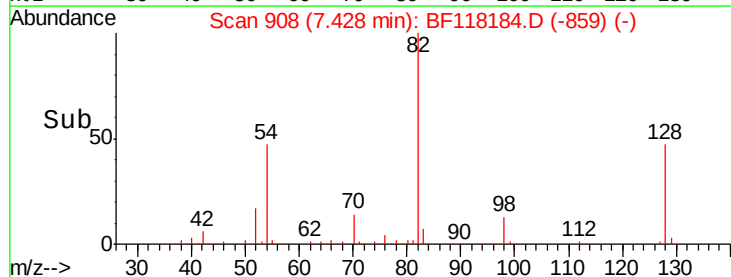


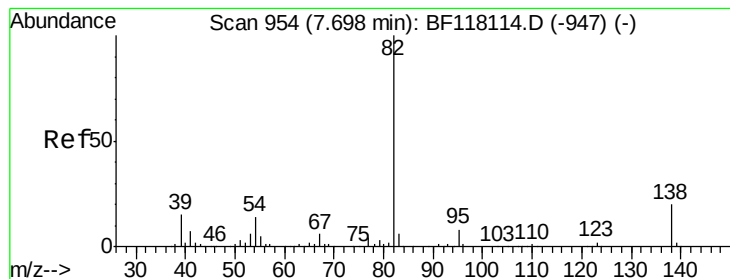
#23
Nitrobenzene-d5
Concen: 76.521 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118184.D
Acq: 13 Dec 2019 14:12

Tgt Ion: 82	Resp:	616319
Ion Ratio	Lower	Upper
82	100	
128	46.8	39.1 58.7
54	46.9	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: 44.572 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

Instrument :

BNA_F

ClientSampled :

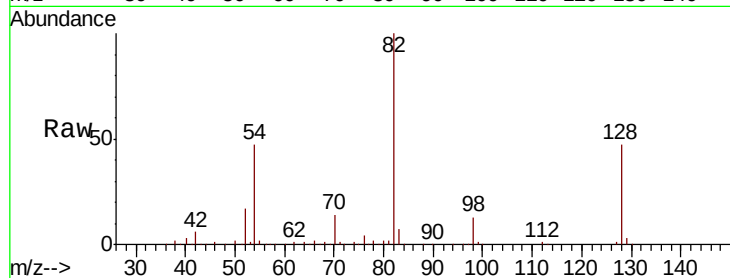
Tot Ion: 82 Resp: 608571

Ion Ratio Lower Upper

82 100

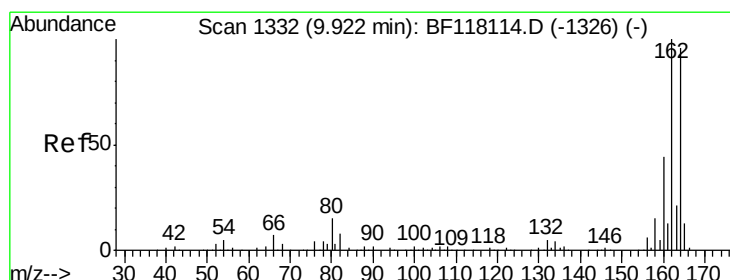
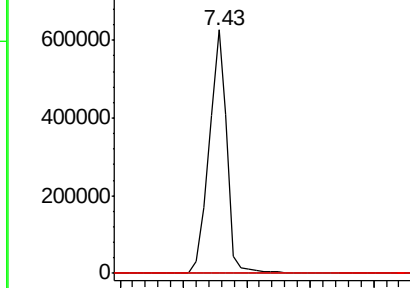
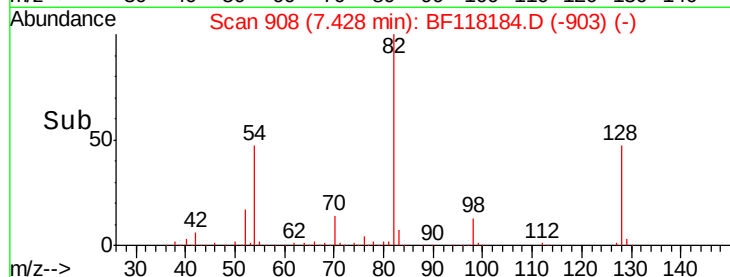
95 0.0 6.3 9.5#

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): BF1

7.43



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

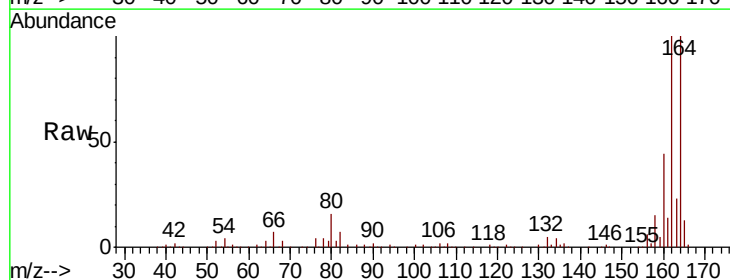
Tgt Ion: 164 Resp: 241757

Ion Ratio Lower Upper

164 100

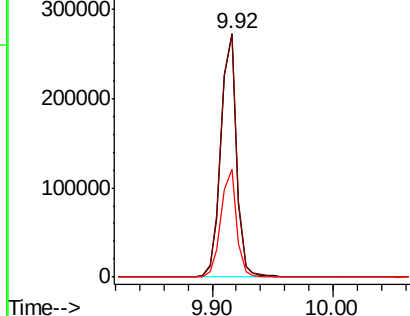
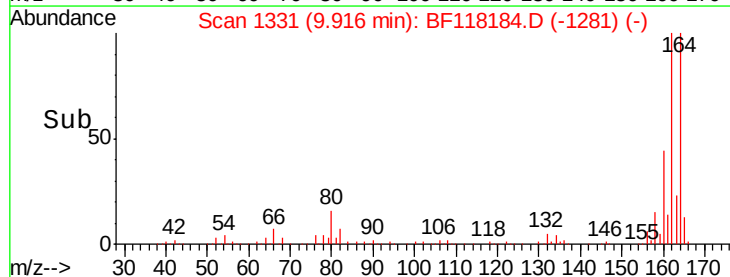
162 99.7 83.4 125.0

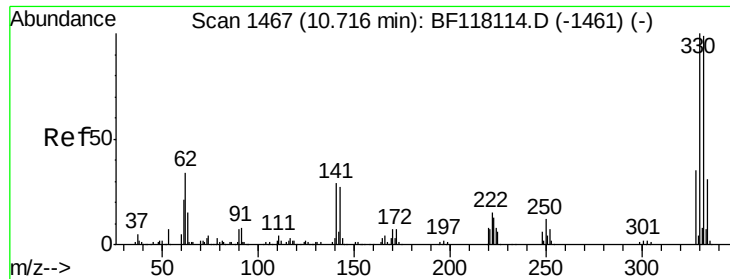
160 44.2 36.6 54.8



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

9.92

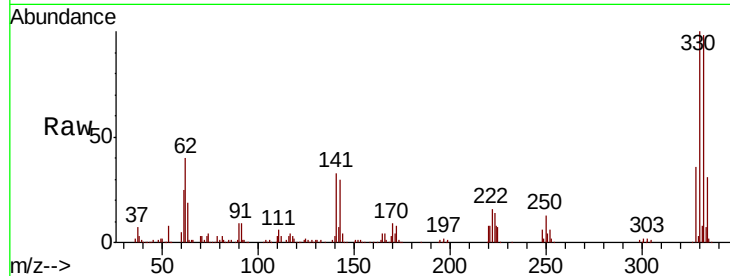




#42
 2,4,6-Tribromophenol
 Concen: 129.021 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.1	117.1
141	33.0	26.9	40.3

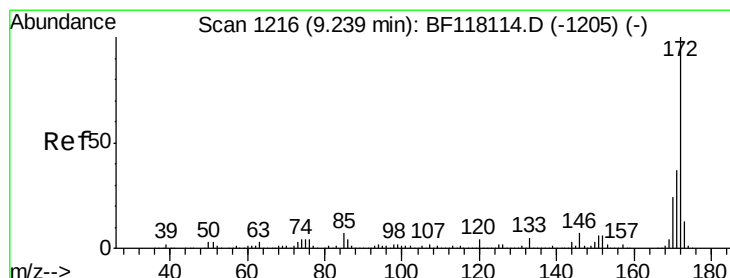
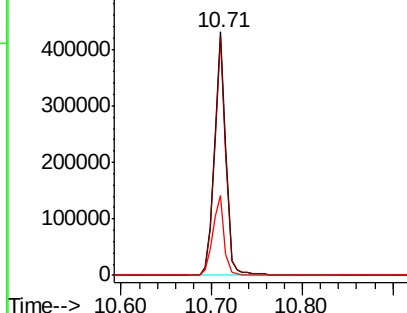
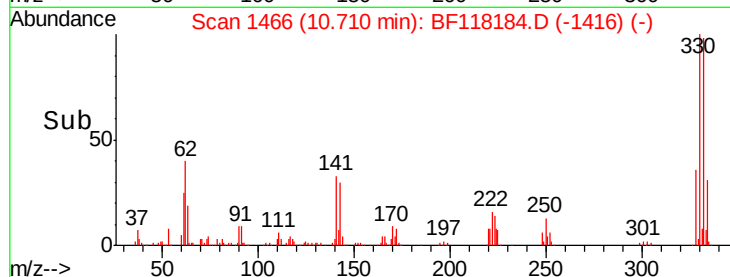


Abundance

Ion 329.80 (329.50 to 330.50): E

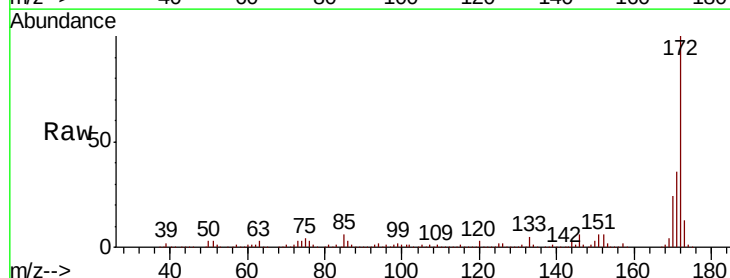
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.086 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	23.9	19.4	29.2

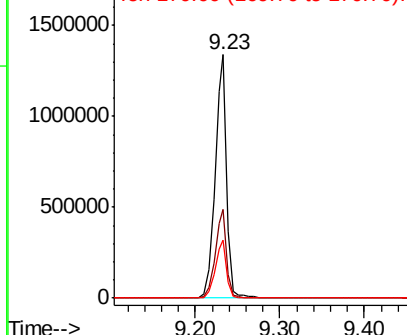
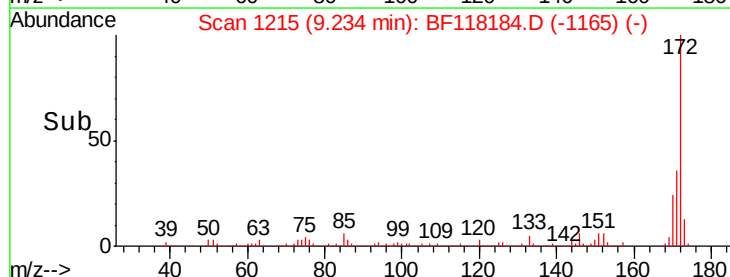


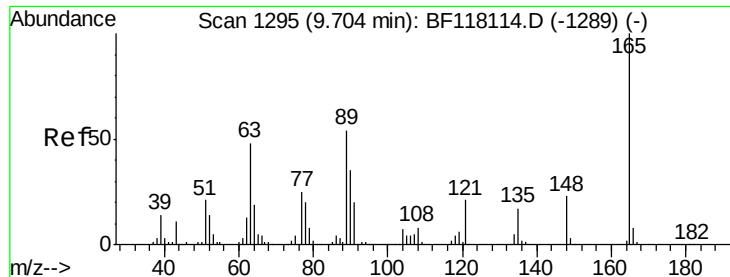
Abundance

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

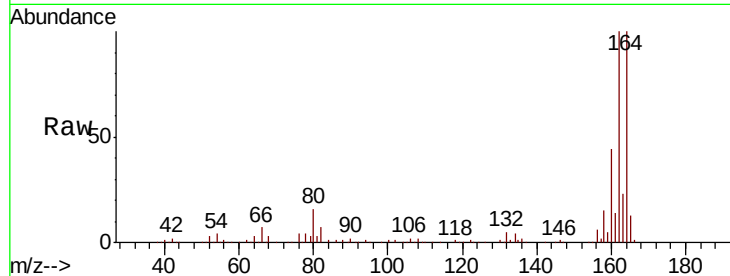




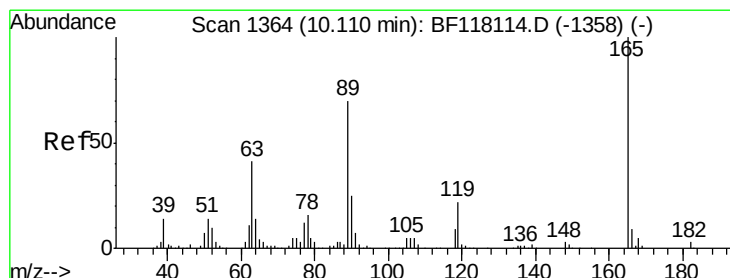
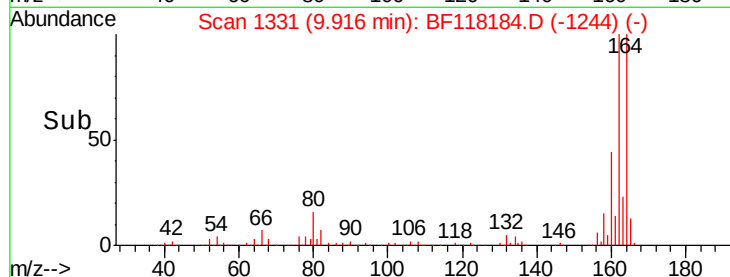
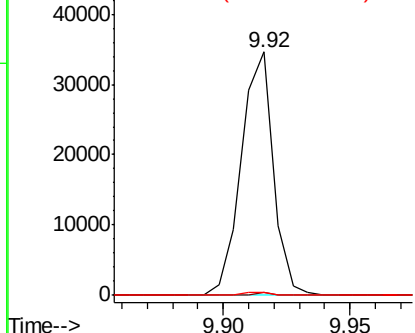
#51
 2,6-Dinitrotoluene
 Concen: 7.863 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.4	62.0#
89	1.3	42.9	64.3#

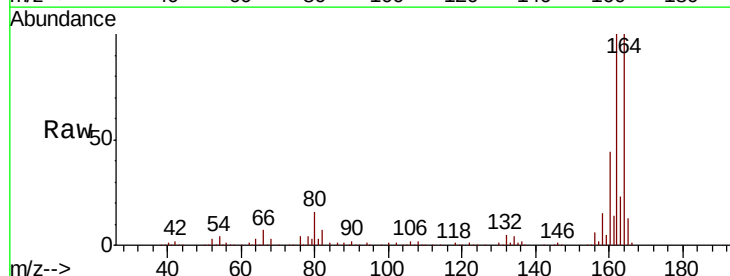


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

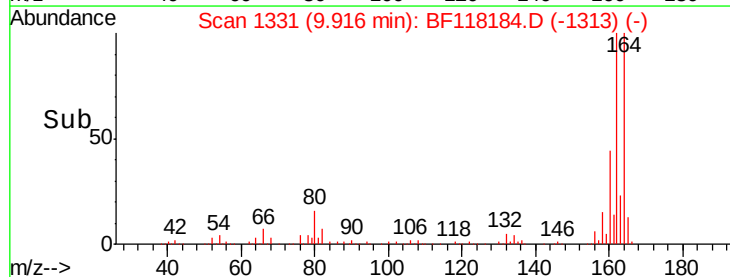
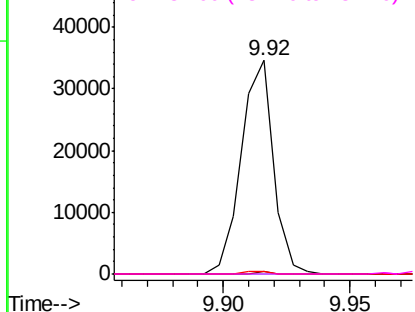


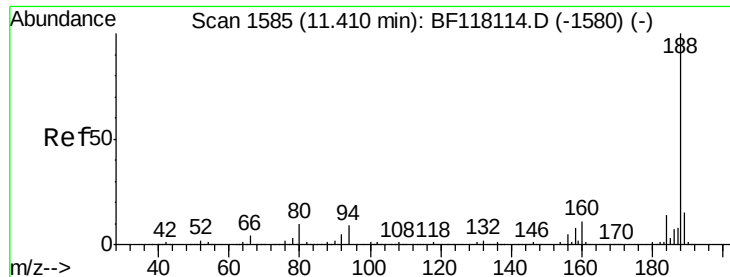
#57
 2,4-Dinitrotoluene
 Concen: 5.891 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	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

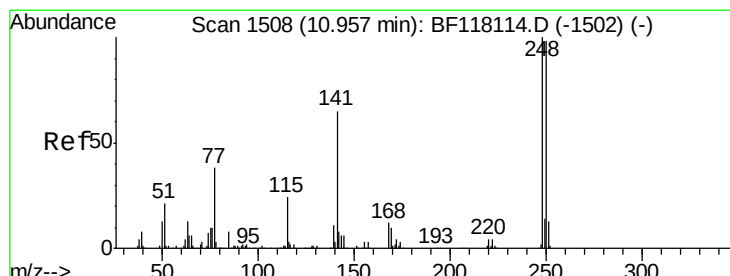
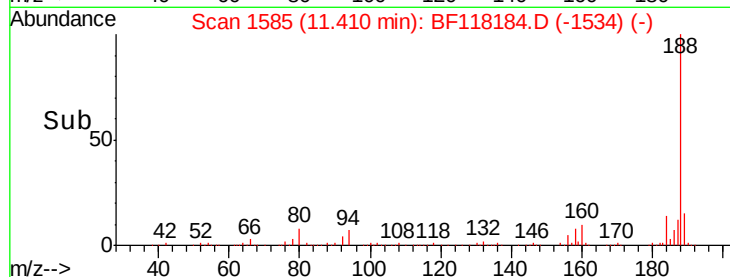
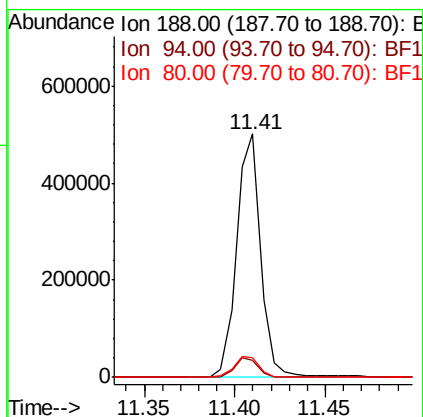
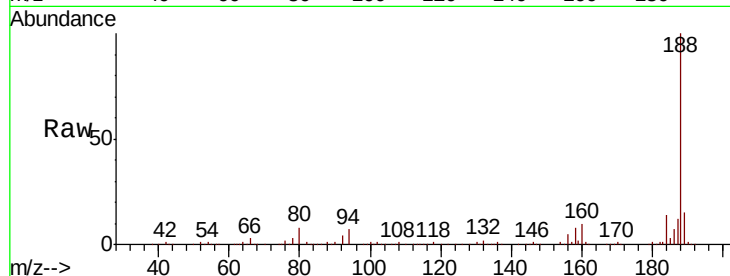




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

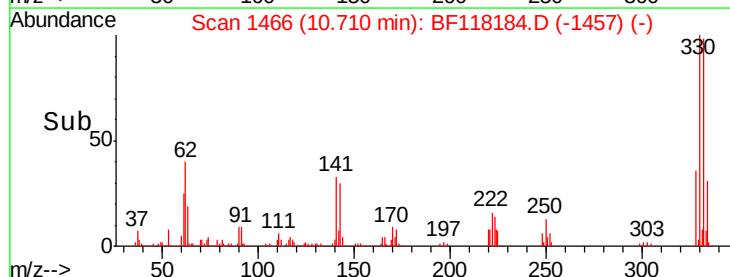
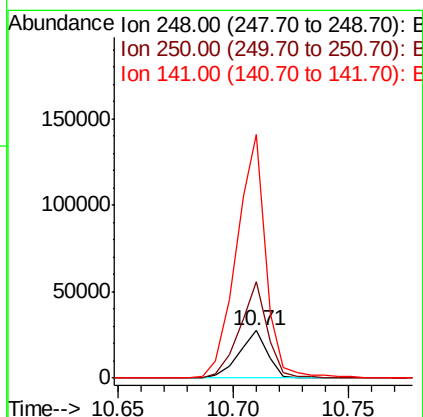
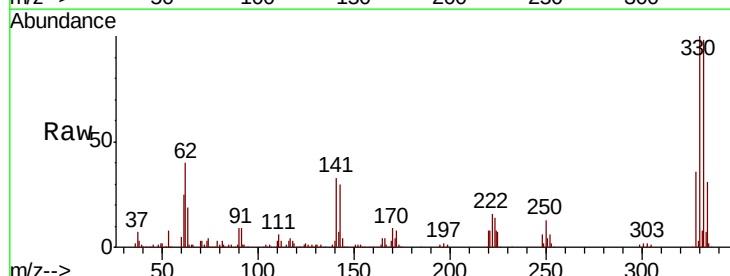
Instrument :
 BNA_F
 ClientSampleId :

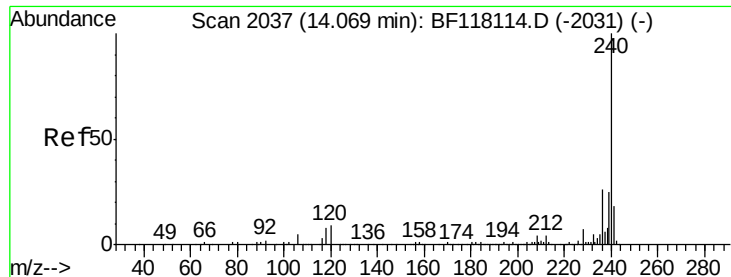
Tot Ion:188 Resp: 462297
 Ion Ratio Lower Upper
 188 100
 94 7.2 7.1 10.7
 80 8.0 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 4.488 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.25 min
 Lab File: BF118184.D
 Acq: 13 Dec 2019 14:12

Tgt Ion:248 Resp: 23684
 Ion Ratio Lower Upper
 248 100
 250 203.2 78.3 117.5#
 141 514.7 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

Instrument :

BNA_F

ClientSampleId :

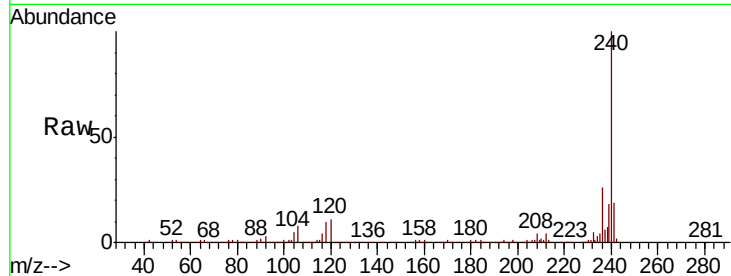
Tot Ion:240 Resp: 368471

Ion Ratio Lower Upper

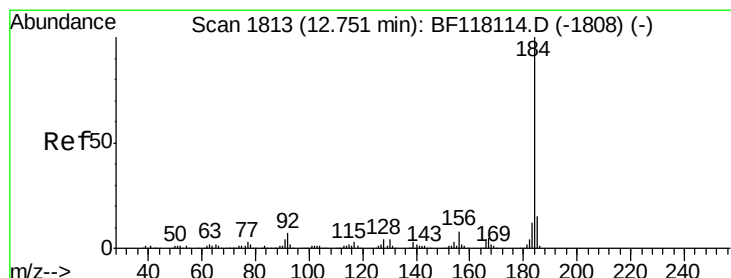
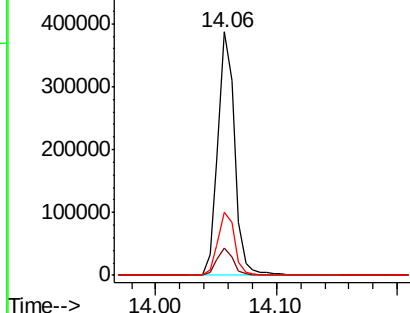
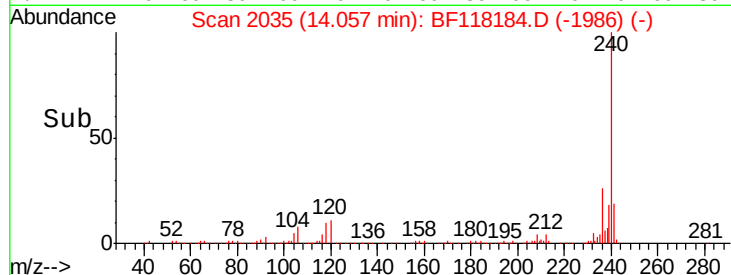
240 100

120 11.2 7.1 10.7#

236 26.0 21.0 31.6



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



#77

Benzidine

Concen: 2.551 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

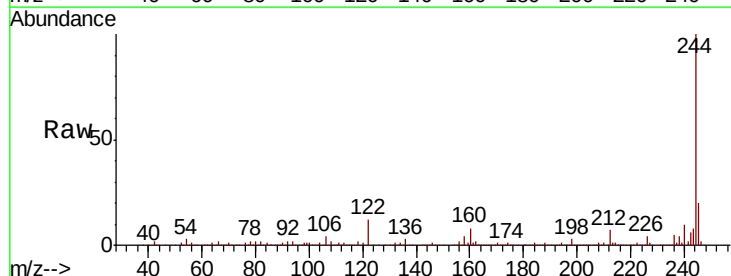
Tgt Ion:184 Resp: 24740

Ion Ratio Lower Upper

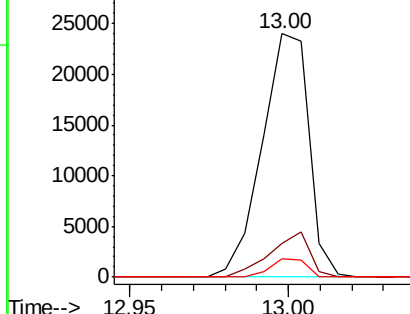
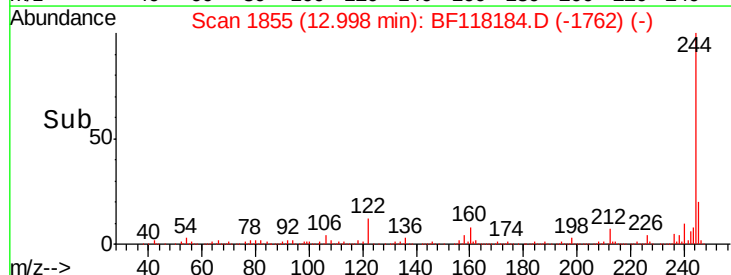
184 100

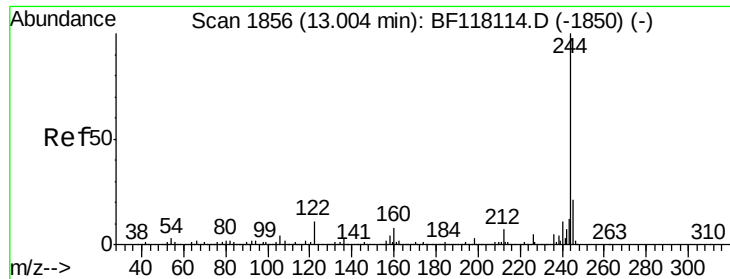
185 14.0 12.3 18.5

183 7.6 9.9 14.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 82.988 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

Instrument :

BNA_F

ClientSampleId :

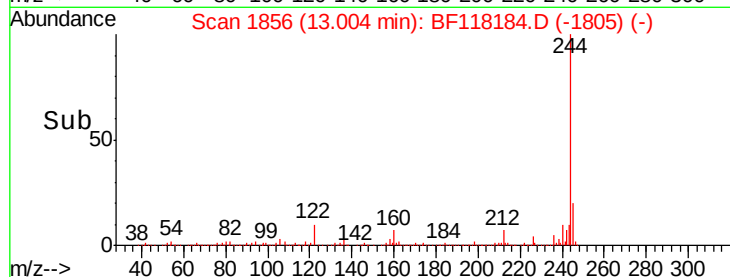
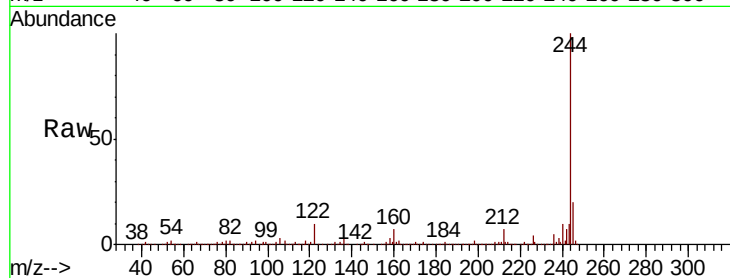
Tot Ion:244 Resp: 1778224

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

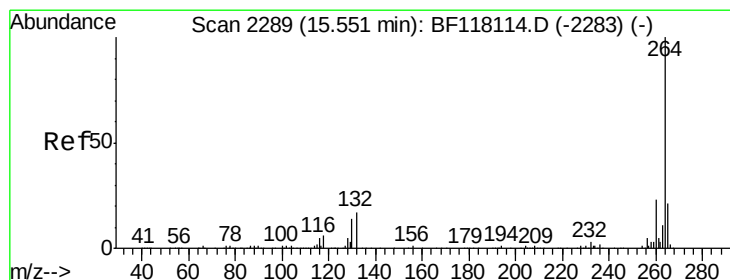
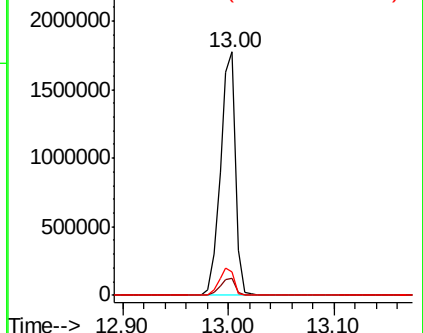
122 9.7 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BF118184.D

Acq: 13 Dec 2019 14:12

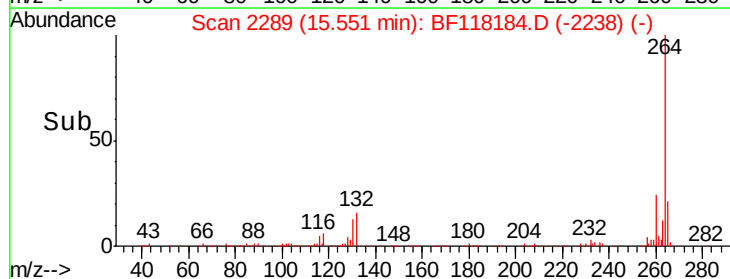
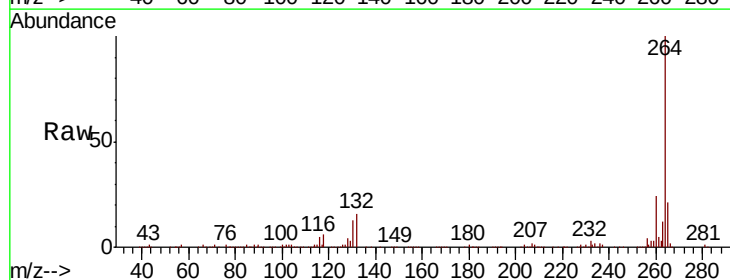
Tgt Ion:264 Resp: 346417

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.2 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

