

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118062.D
 Acq On : 3 Dec 2019 15:05
 Operator : JU
 Sample : PB125174TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 15:32:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

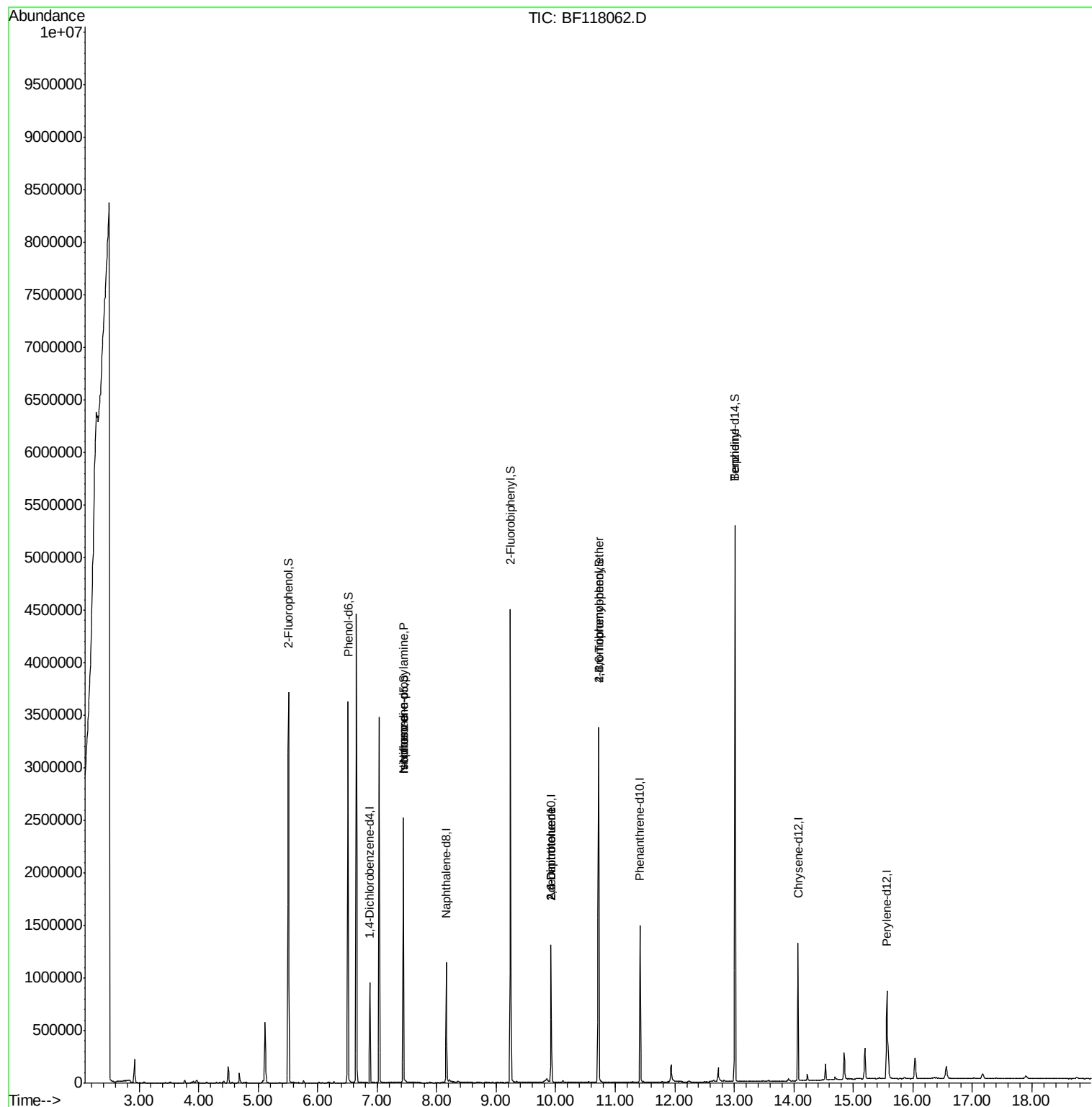
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	142794	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	564220	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	296329	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	563308	20.00	ng	0.00
76) Chrysene-d12	14.07	240	394062	20.00	ng	0.00
87) Perylene-d12	15.56	264	370271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1075198	133.28	ng	0.02
7) Phenol-d6	6.51	99	1333966	137.10	ng	0.00
23) Nitrobenzene-d5	7.44	82	837574	88.25	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	474313	151.19	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1627410	98.53	ng	0.00
79) Terphenyl-d14	13.02	244	2032167	94.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	2222	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	115674	19.270	ng	# 1
25) Isophorone	7.44	82	837567	48.147	ng	# 75
51) 2,6-Dinitrotoluene	9.92	165	38471	8.471	ng	# 63
57) 2,4-Dinitrotoluene	9.92	165	38471	6.659	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	29490	4.852	ng	# 33
77) Benizidine	13.01	184	28477	2.206	ng	# 1
						# 95

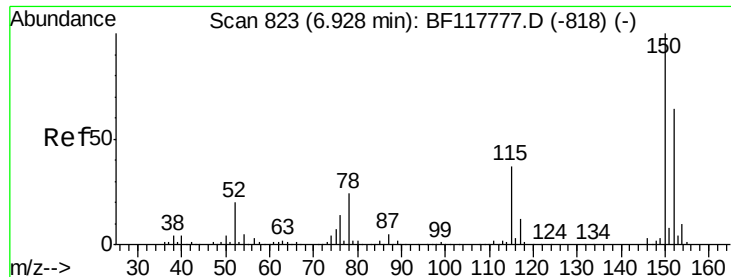
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 03 15:32:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 03 15:16:53 2019
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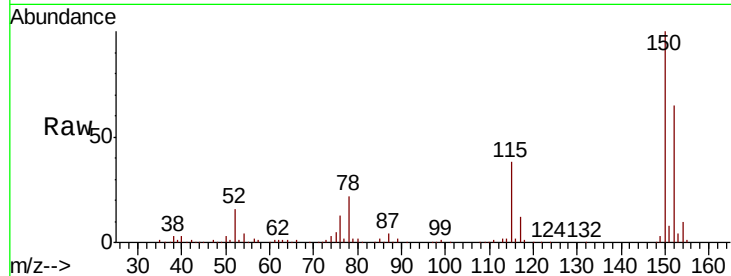


#1

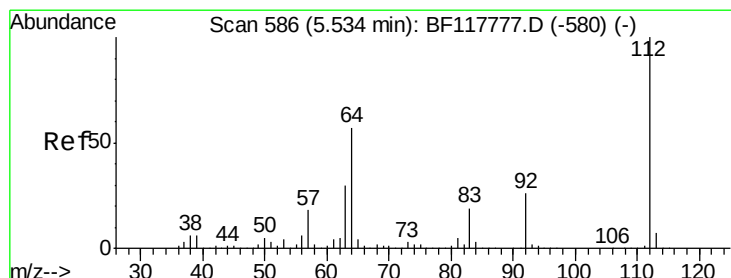
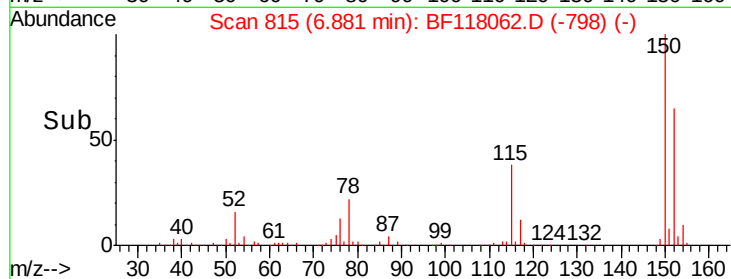
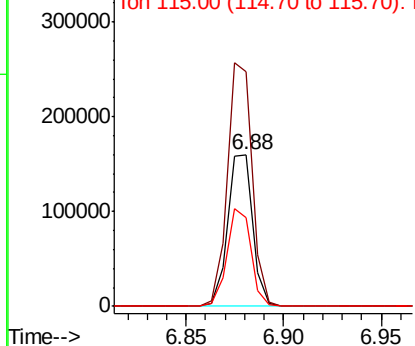
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142794
Ion Ratio Lower Upper
152 100
150 154.9 121.4 182.2
115 58.4 48.8 73.2



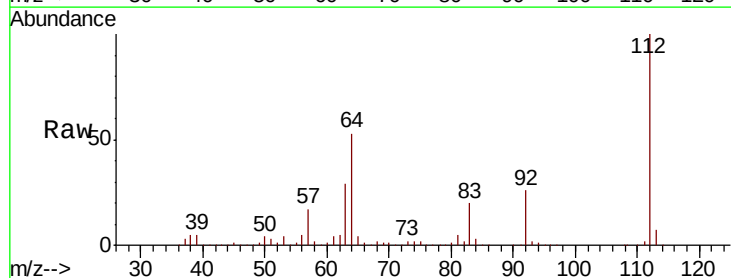
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



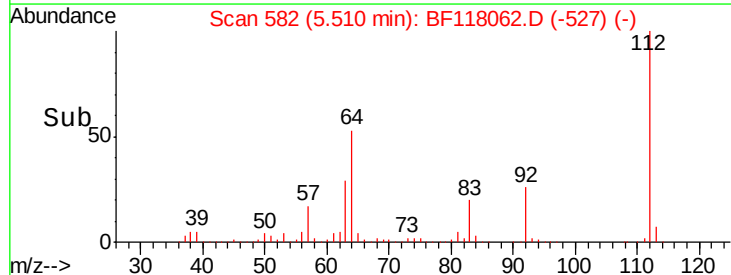
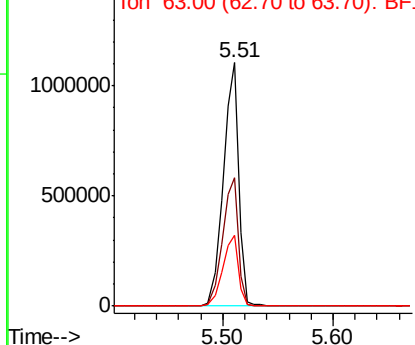
#5

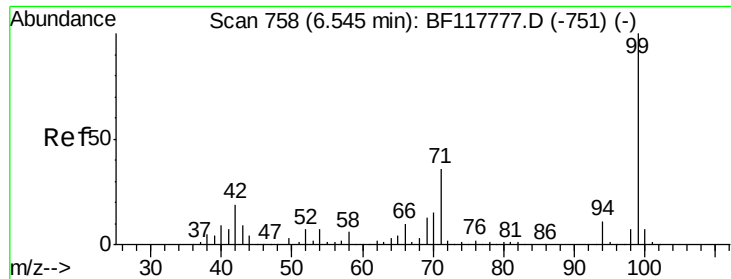
2-Fluorophenol
Concen: 133.284 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

Tgt Ion:112 Resp: 1075198
Ion Ratio Lower Upper
112 100
64 53.0 45.1 67.7
63 29.3 24.6 37.0



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: 137.097 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

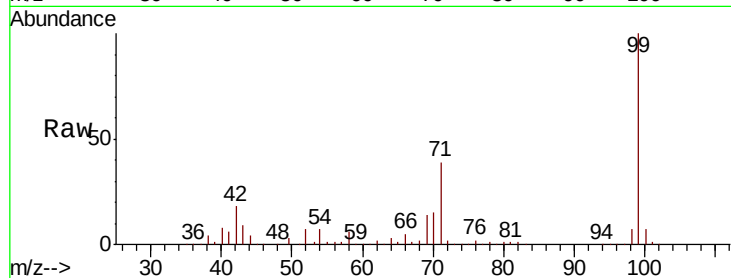
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1333966

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.0	21.0
71	38.9	29.2	43.8

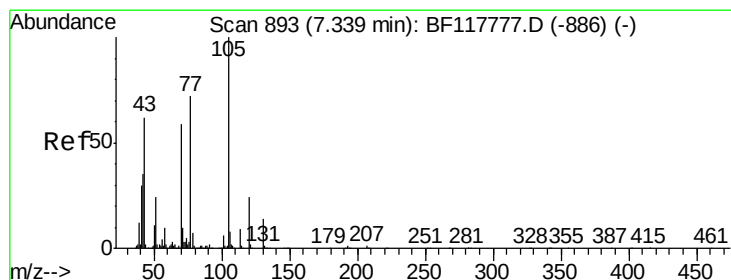
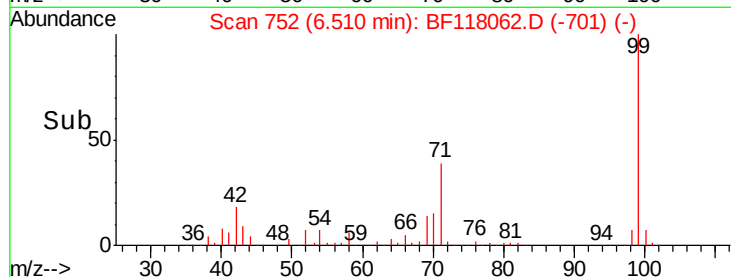
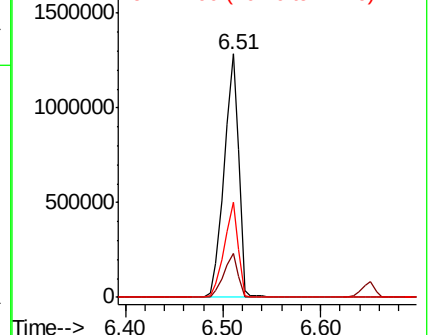


Abundance

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: 19.270 ng

RT: 7.44 min Scan# 910

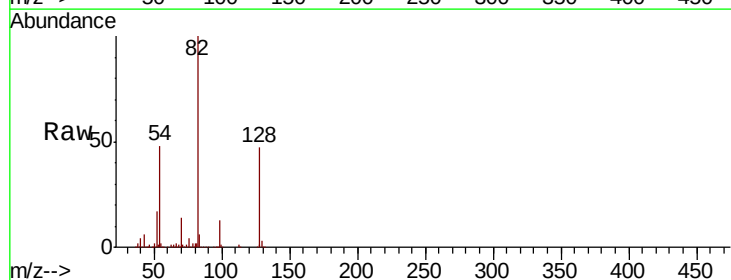
Delta R.T. 0.15 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

Tgt Ion: 70 Resp: 115674

Ion	Ratio	Lower	Upper
70	100		
42	46.3	46.0	69.0
101	0.0	8.8	13.2#
130	2.1	19.8	29.6#



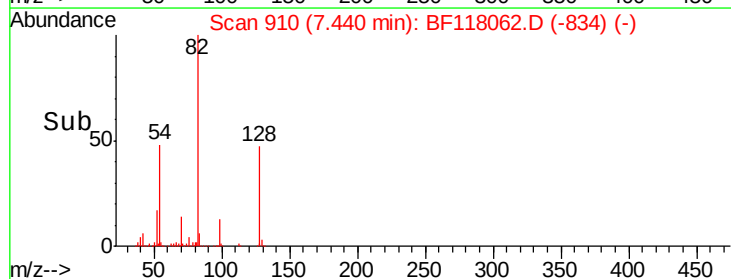
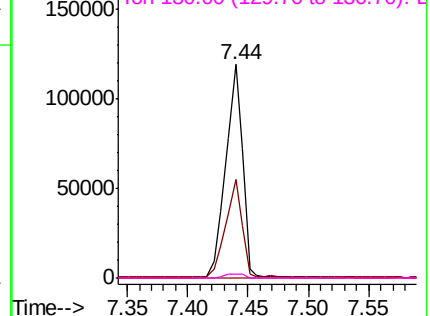
Abundance

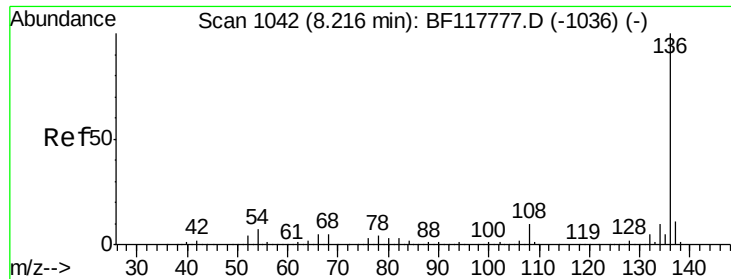
Ion 70.00 (69.70 to 70.70): BF1

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

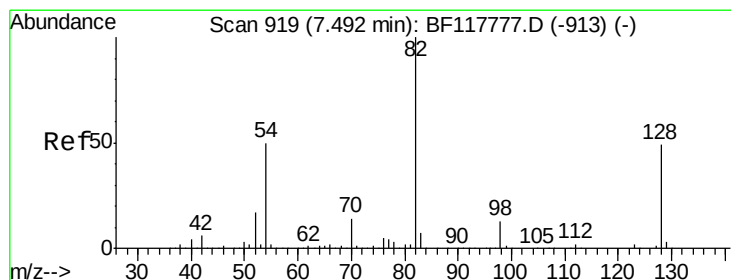
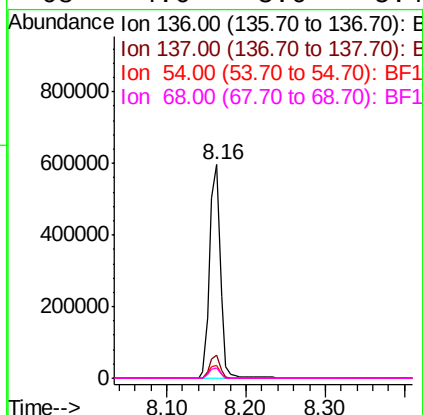
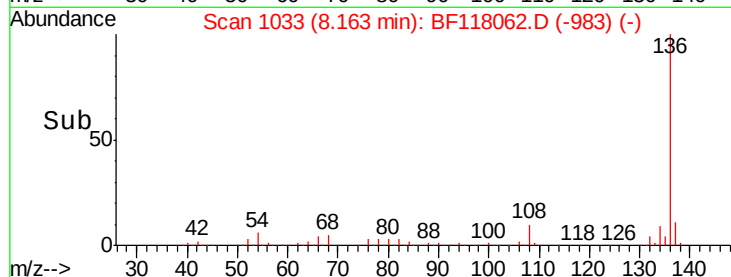
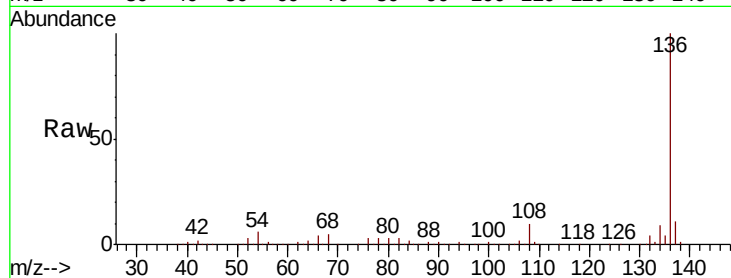




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

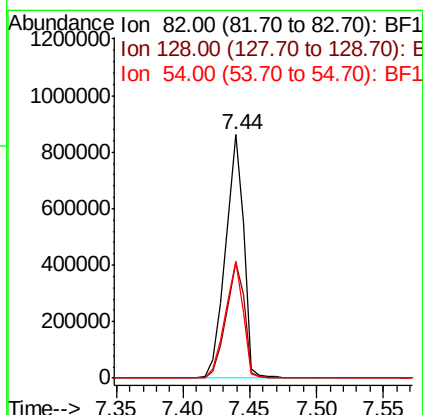
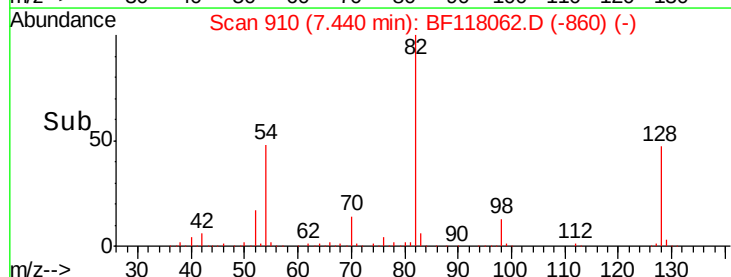
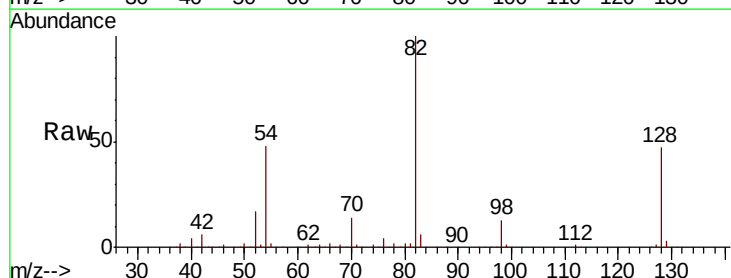
Instrument :
BNA_F
ClientSampleId :

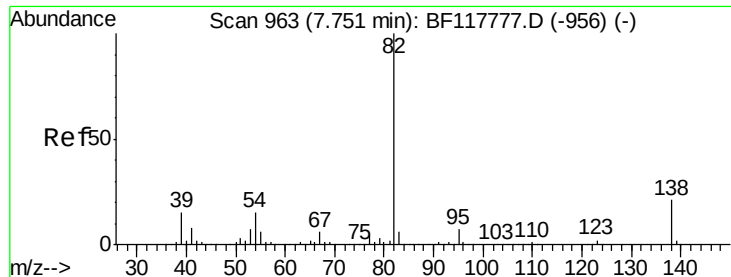
Tot Ion:136	Resp:	564220
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.1 13.7
54	6.0	4.9 7.3
68	4.6	3.6 5.4



#23
Nitrobenzene-d5
Concen: 88.246 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

Tgt Ion: 82	Resp:	837574
Ion	Ratio	Lower Upper
82	100	
128	47.3	38.2 57.4
54	47.9	39.0 58.4

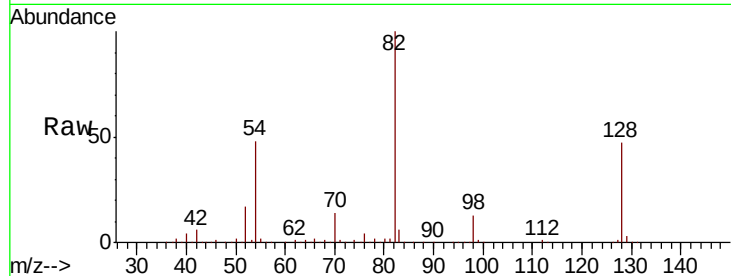




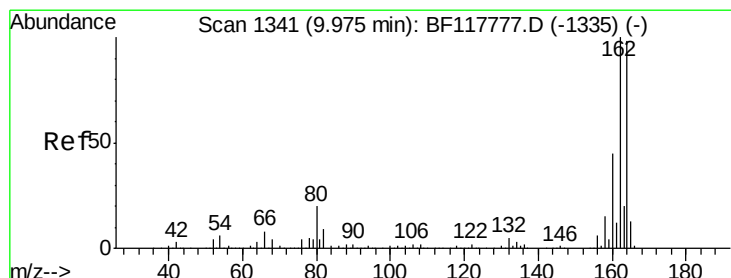
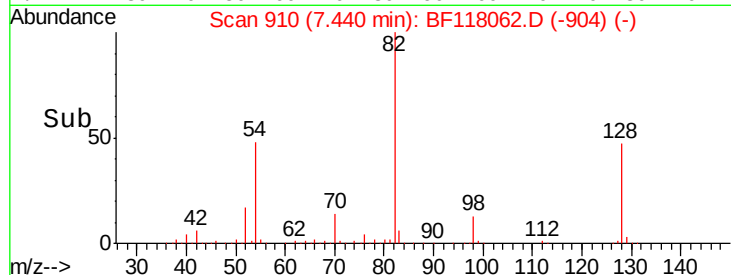
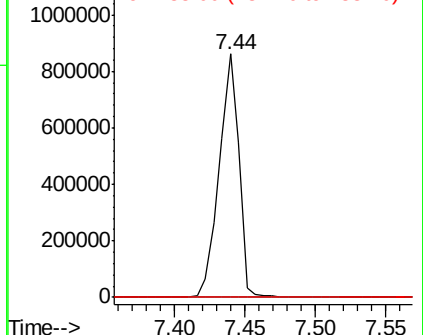
#25
Isophorone
Concen: 48.147 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 837567
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 15.9 23.9#

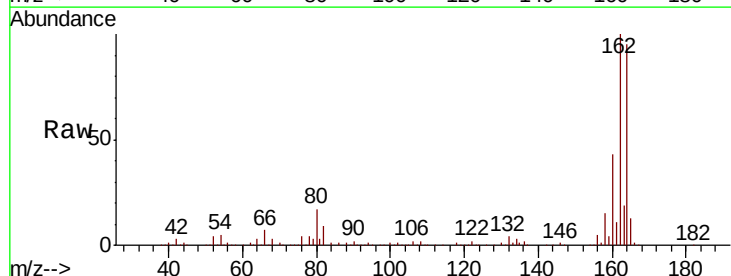


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

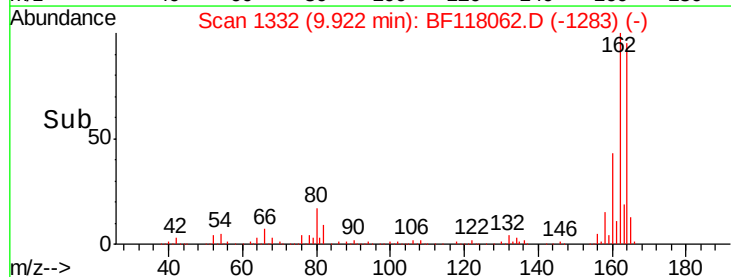
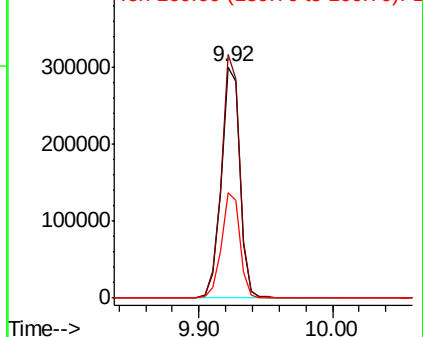


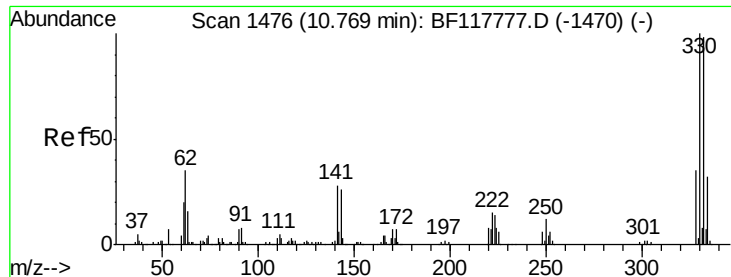
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118062.D
Acq: 3 Dec 2019 15:05

Tgt Ion: 164 Resp: 296329
Ion Ratio Lower Upper
164 100
162 105.2 81.8 122.8
160 45.3 35.9 53.9



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: 151.190 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

Instrument :

BNA_F

ClientSampleId :

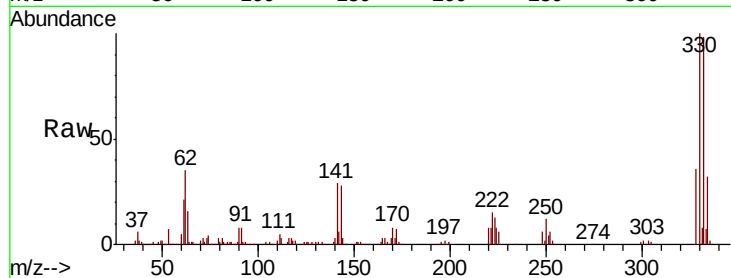
Tot Ion:330 Resp: 474313

Ion Ratio Lower Upper

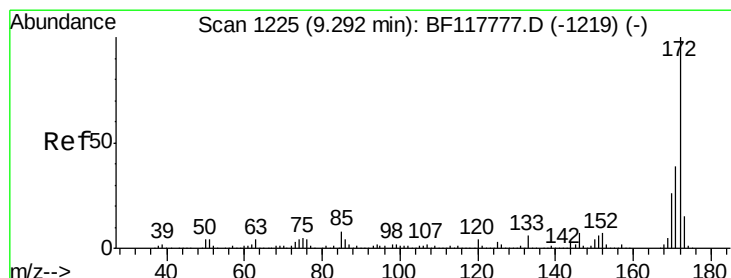
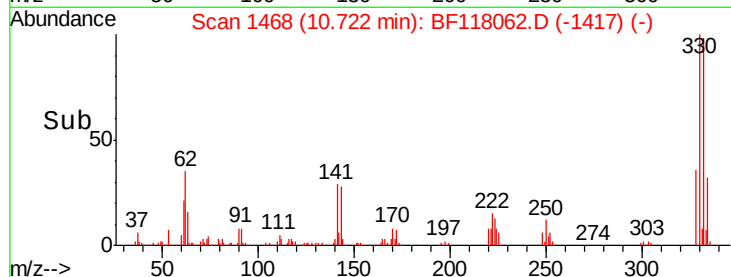
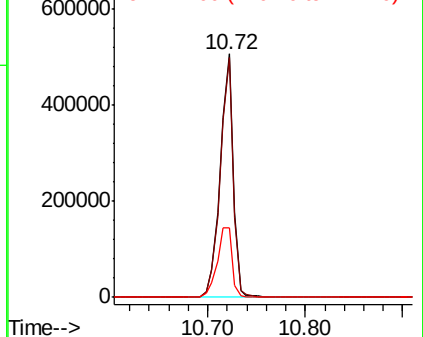
330 100

332 96.7 78.3 117.5

141 32.5 26.4 39.6



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: 98.527 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

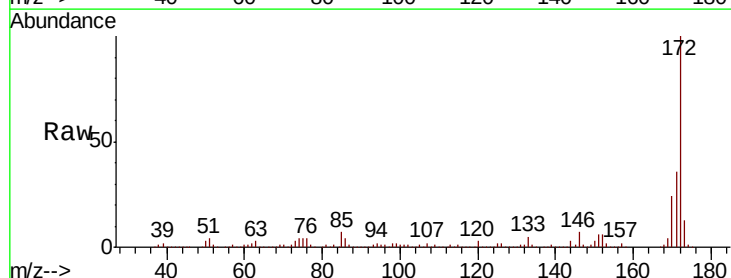
Tgt Ion:172 Resp: 1627410

Ion Ratio Lower Upper

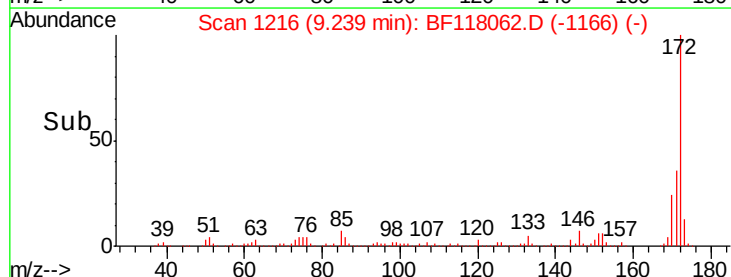
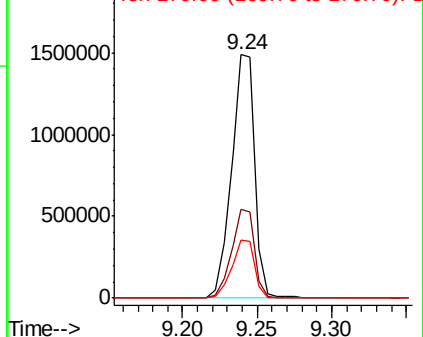
172 100

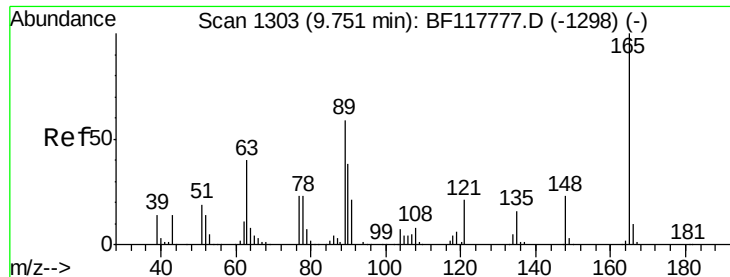
171 36.2 29.2 43.8

170 24.0 19.3 28.9



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

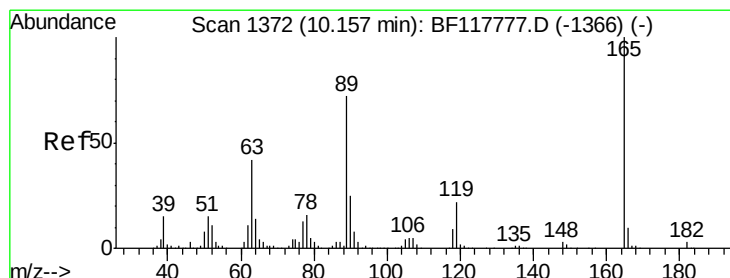
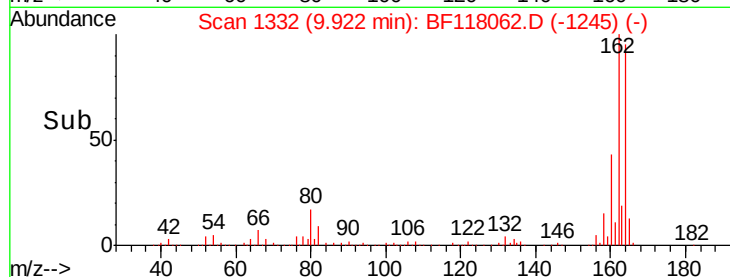
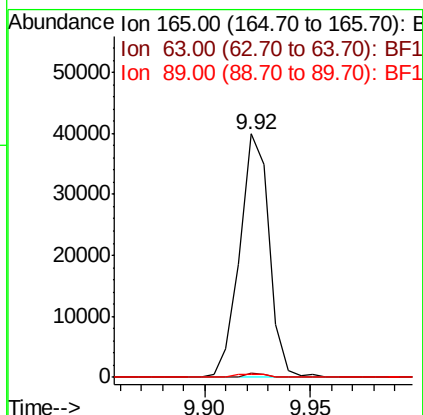
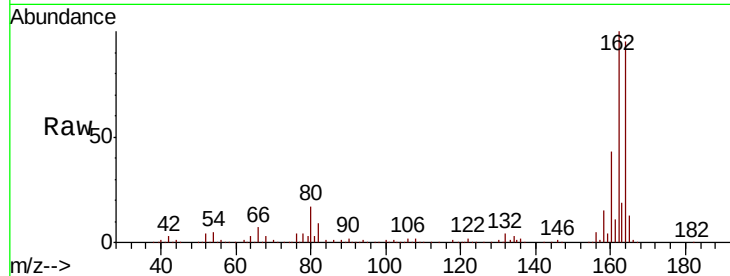




#51
 2,6-Dinitrotoluene
 Concen: 8.471 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.21 min
 Lab File: BF118062.D
 Acq: 3 Dec 2019 15:05

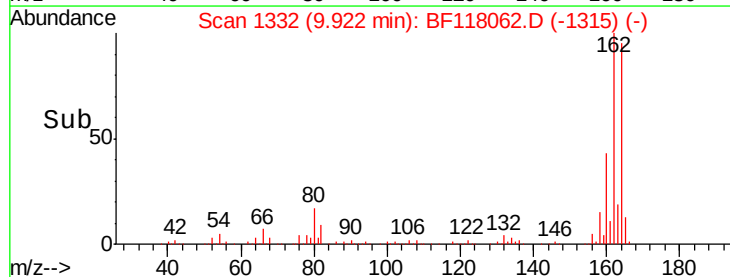
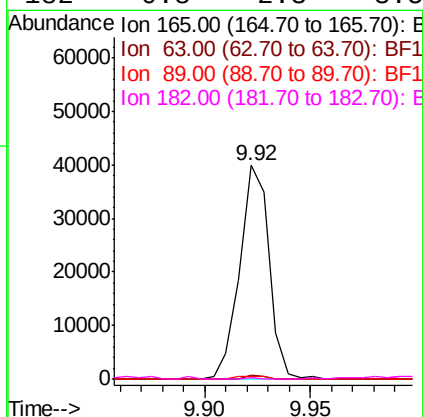
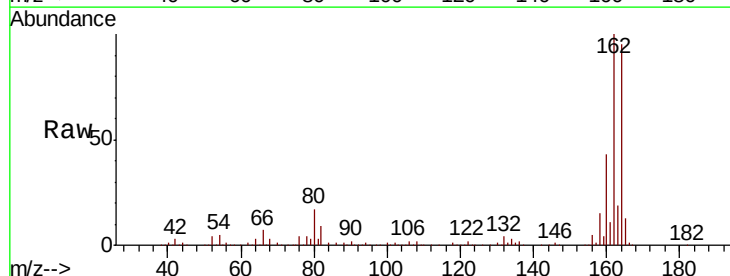
Instrument :
 BNA_F
 ClientSampled :

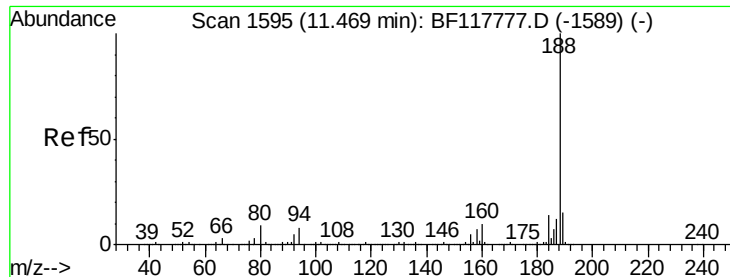
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.9	65.9#
89	1.2	45.5	68.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.659 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.20 min
 Lab File: BF118062.D
 Acq: 3 Dec 2019 15:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	26.5	39.7#
89	1.2	47.2	70.8#
182	0.8	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

Instrument :

BNA_F

ClientSampleId :

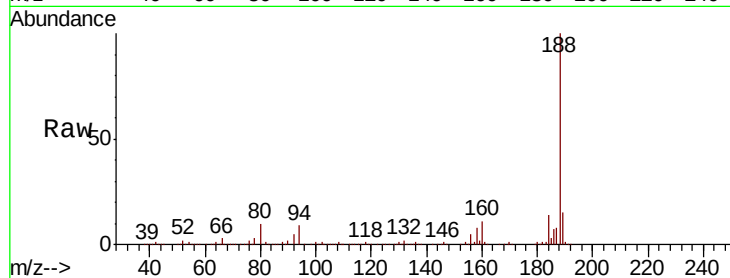
Tot Ion:188 Resp: 563308

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

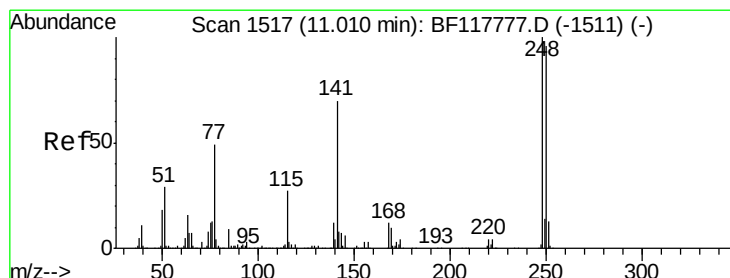
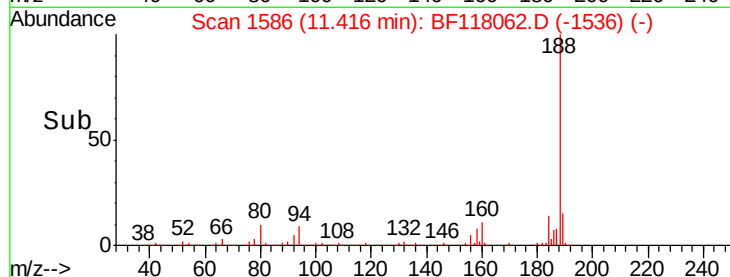
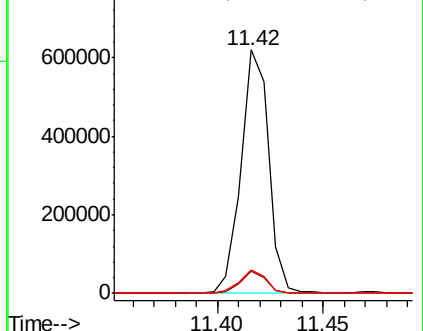
80 9.6 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 4.852 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

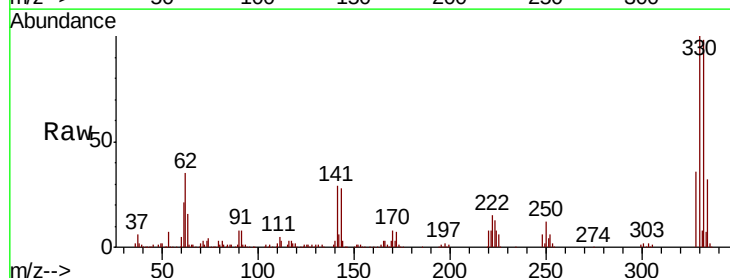
Tgt Ion:248 Resp: 29490

Ion Ratio Lower Upper

248 100

250 194.8 78.0 117.0#

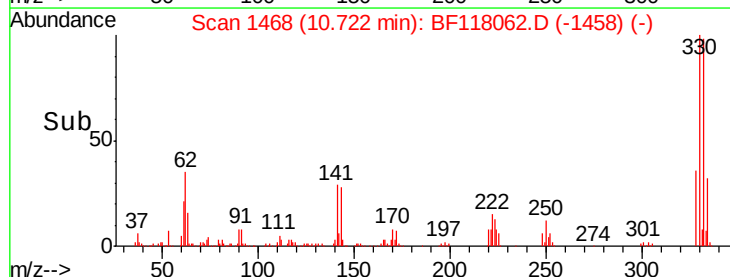
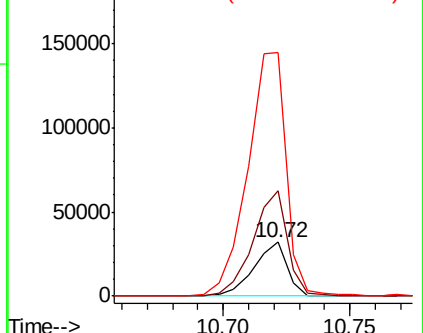
141 449.8 64.0 96.0#

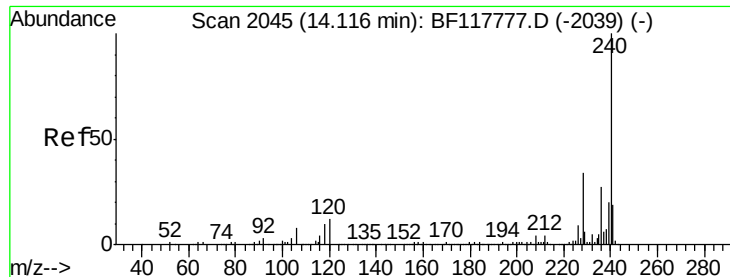


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

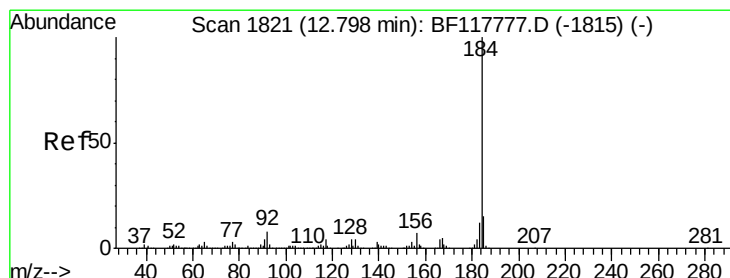
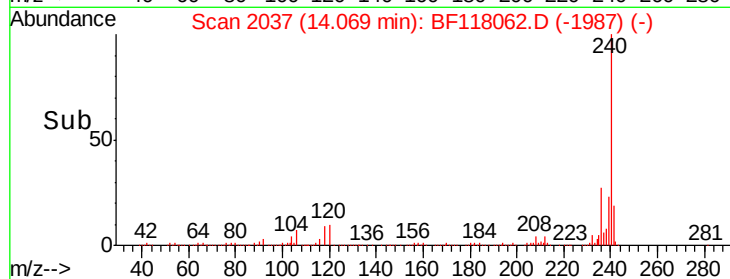
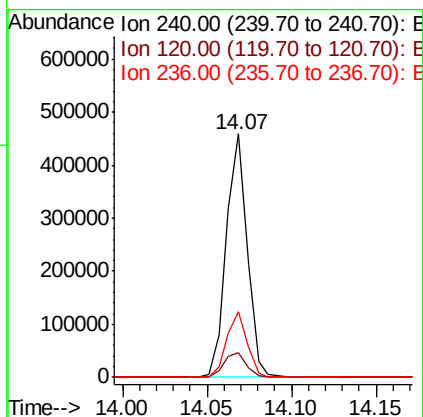
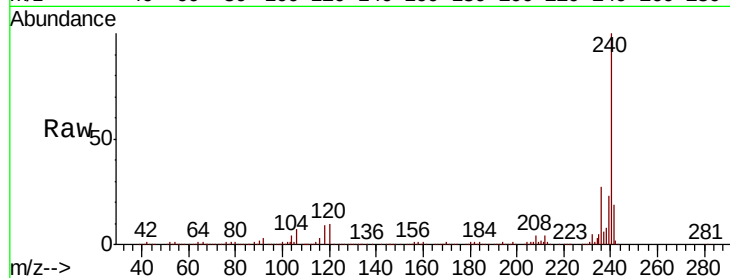




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118062.D
 Acq: 3 Dec 2019 15:05

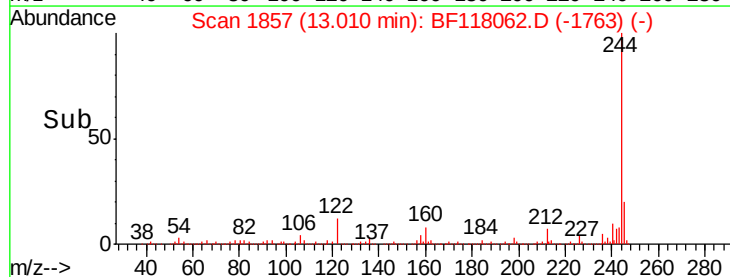
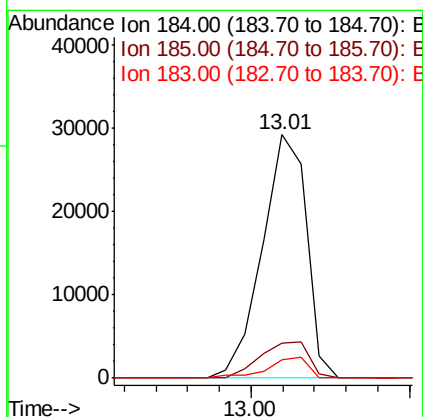
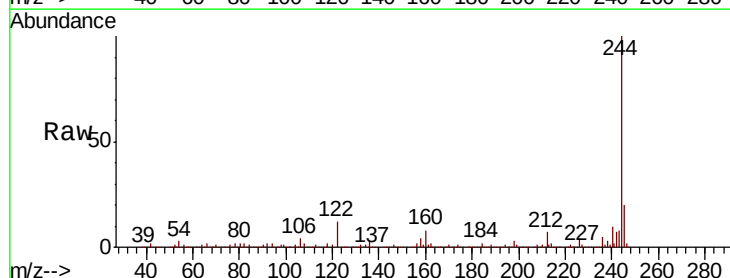
Instrument :
 BNA_F
 ClientSampleId :

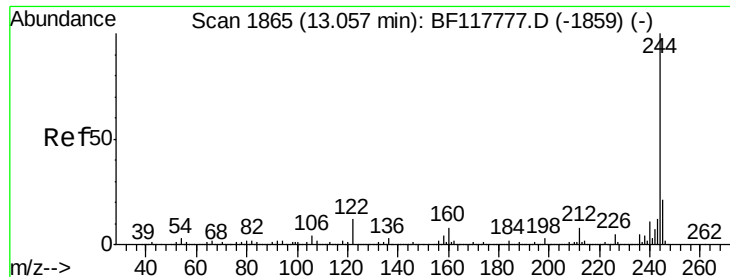
Tot Ion:240 Resp: 394062
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 26.8 20.6 31.0



#77
 Benzidine
 Concen: 2.206 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. 0.25 min
 Lab File: BF118062.D
 Acq: 3 Dec 2019 15:05

Tgt Ion:184 Resp: 28477
 Ion Ratio Lower Upper
 184 100
 185 14.4 11.6 17.4
 183 7.6 9.7 14.5#





#79

Terphenyl-d14

Concen: 94.249 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

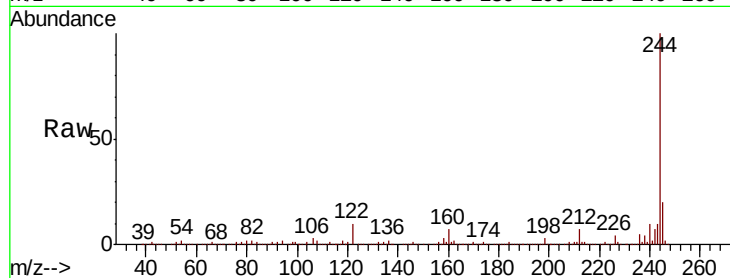
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 2032167

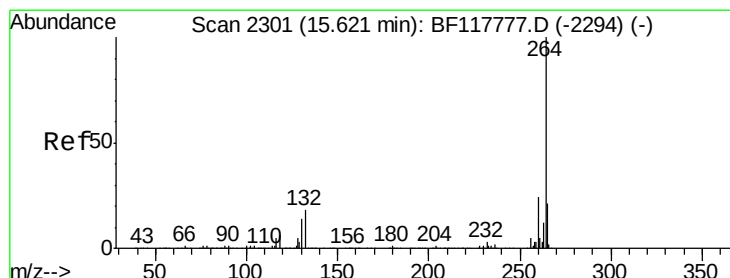
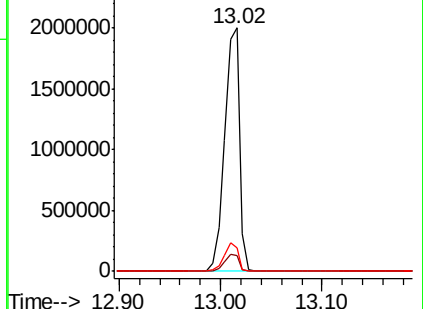
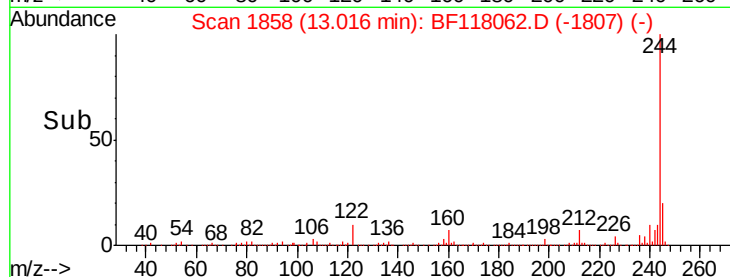
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	9.5	7.2	10.8



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

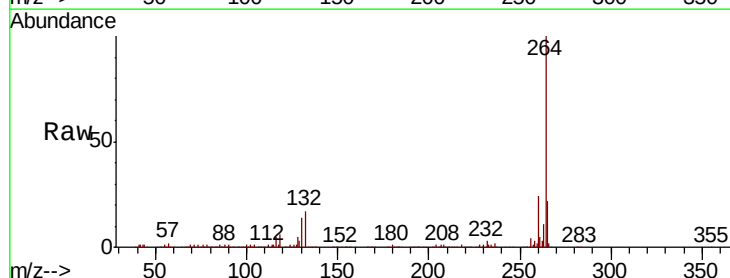
Delta R.T. -0.01 min

Lab File: BF118062.D

Acq: 3 Dec 2019 15:05

Tgt Ion:264 Resp: 370271

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	21.9	16.4	24.6



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

