

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
 Data File : BF118634.D
 Acq On : 21 Jan 2020 14:35
 Operator : CG/JU
 Sample : PB126190BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 15:27:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

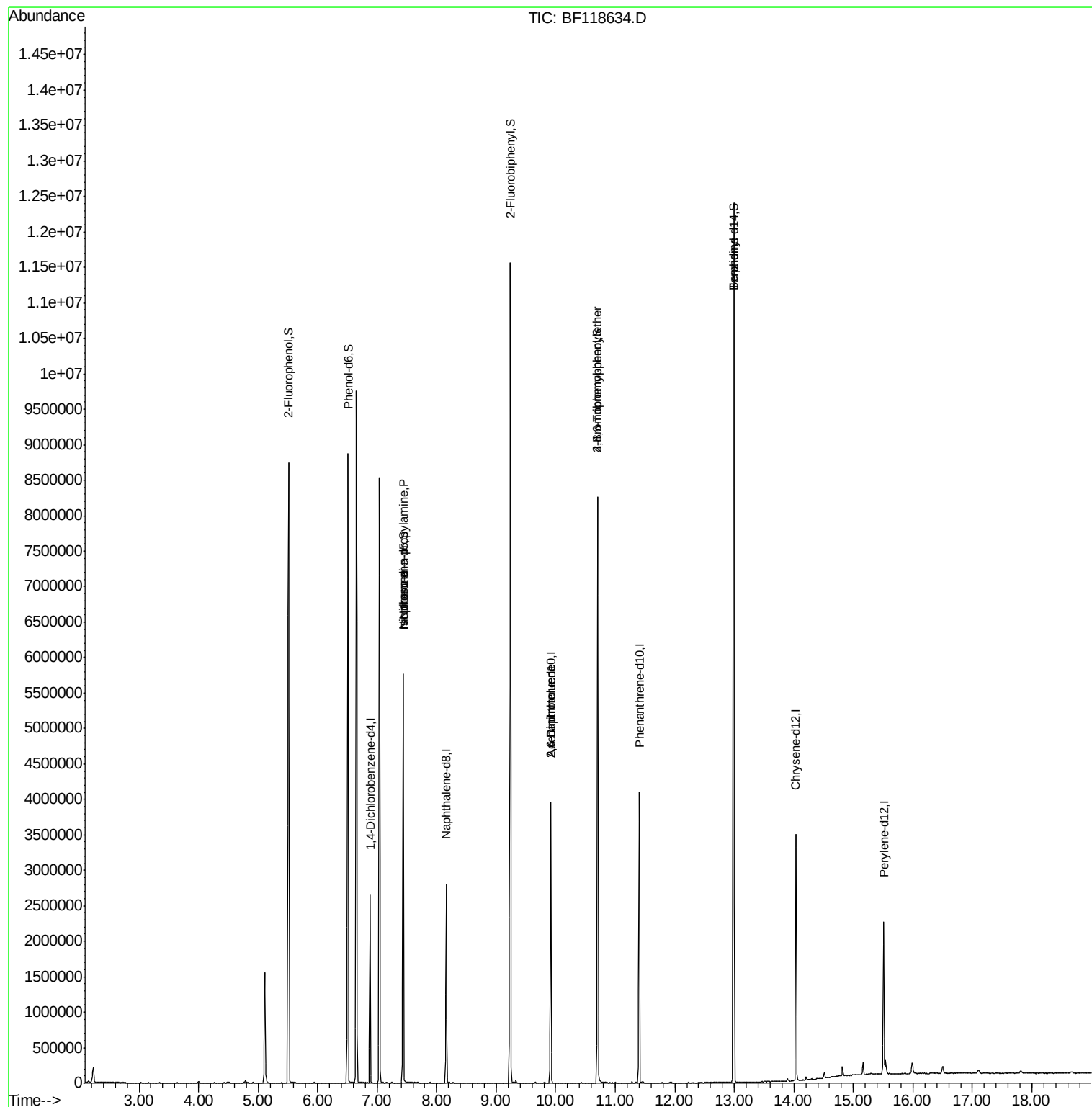
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	386140	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1413718	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	802669	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1522695	20.00	ng	0.00
76) Chrysene-d12	14.03	240	1219148	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1050222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	2648899	127.41	ng	0.01
7) Phenol-d6	6.51	99	3441673	127.36	ng	0.00
23) Nitrobenzene-d5	7.44	82	2108557	83.43	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1244440	134.04	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4016527	82.25	ng	0.00
79) Terphenyl-d14	12.99	244	4890121	87.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	299650	16.422	ng	# 77
25) Isophorone	7.44	82	2099720	45.547	ng	# 64
51) 2,6-Dinitrotoluene	9.92	165	104603	8.933	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	104603	7.086	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	80793	4.295	ng	# 1
77) Benzidine	12.99	184	69196	2.124	ng	# 93

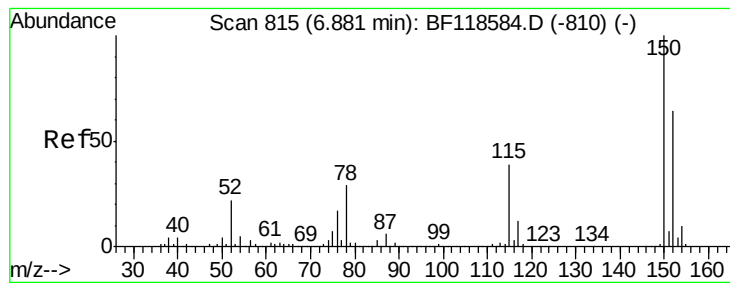
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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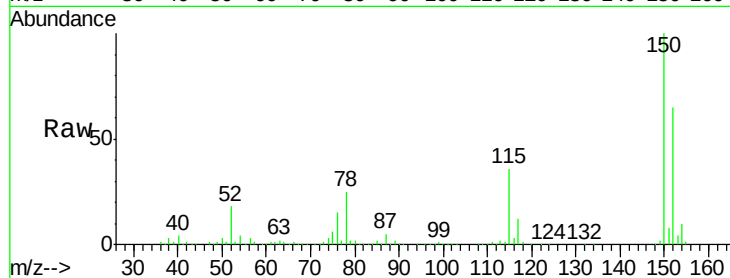


#1

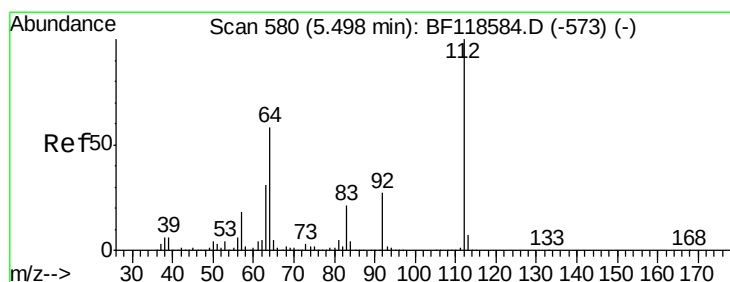
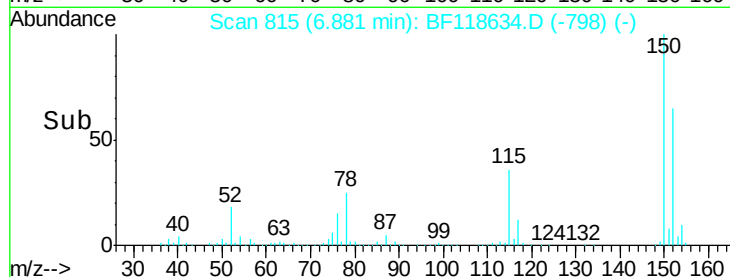
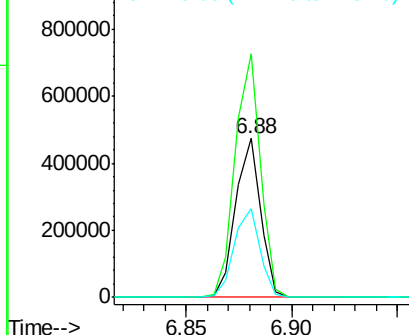
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118634.D
Acq: 21 Jan 2020 14:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 386140
Ion Ratio Lower Upper
152 100
150 153.4 125.6 188.4
115 55.8 48.4 72.6



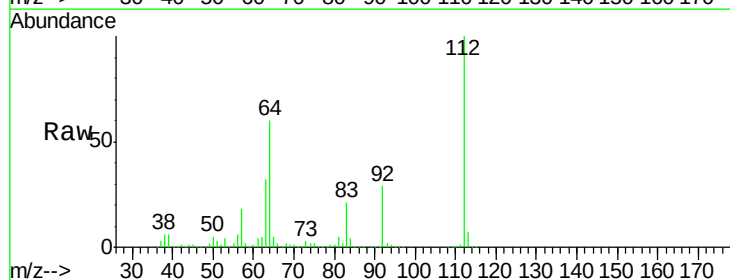
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



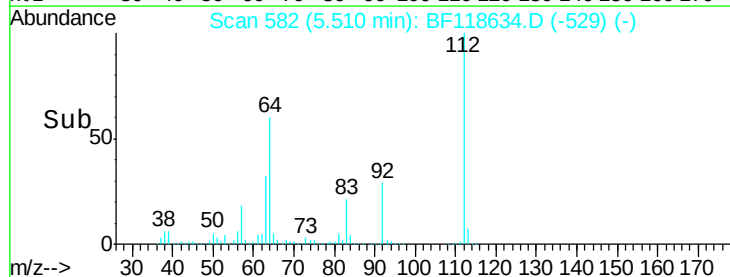
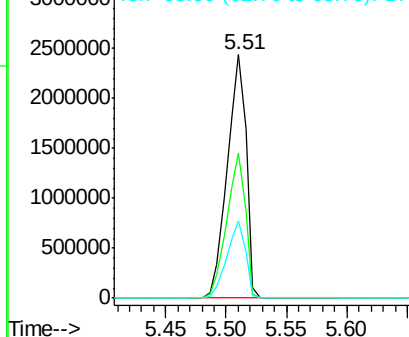
#5

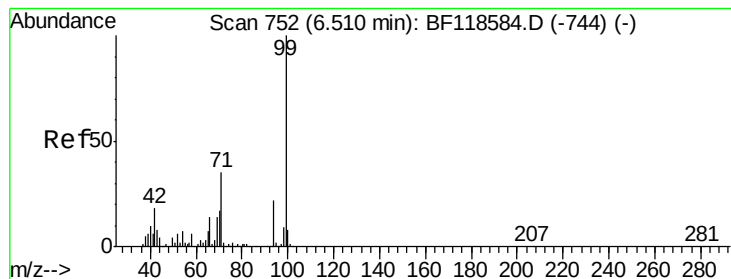
2-Fluorophenol
Concen: 127.407 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118634.D
Acq: 21 Jan 2020 14:35

Tgt Ion:112 Resp: 2648899
Ion Ratio Lower Upper
112 100
64 59.7 46.6 70.0
63 31.6 25.1 37.7



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: 127.362 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampleId :

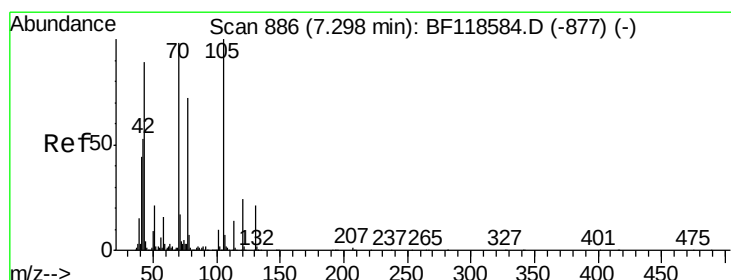
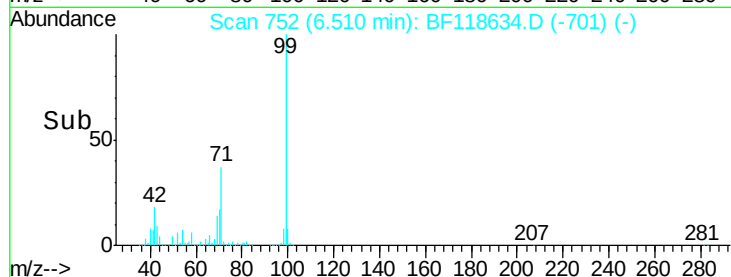
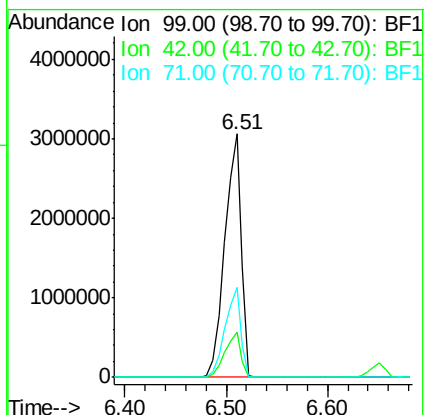
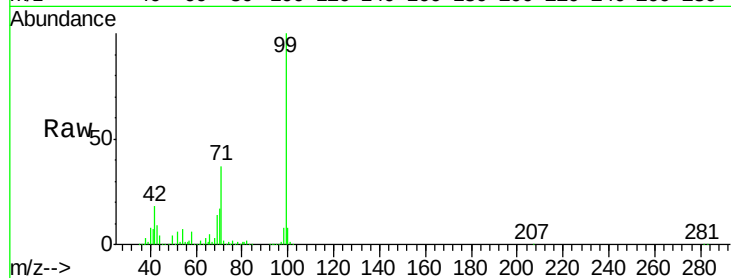
Tot Ion: 99 Resp: 3441673

Ion Ratio Lower Upper

99 100

42 18.4 14.2 21.2

71 37.2 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.422 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Tgt Ion: 70 Resp: 299650

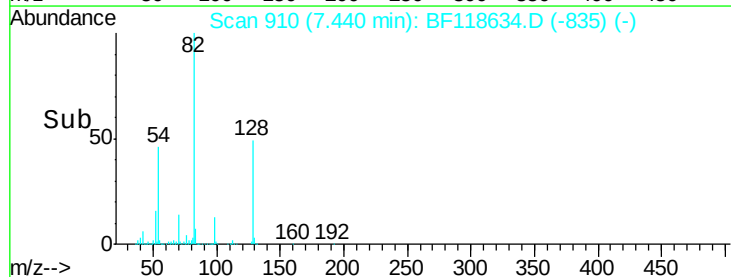
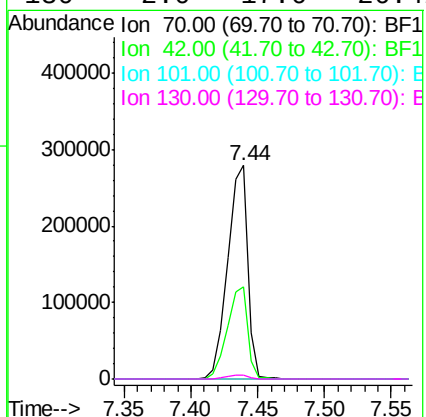
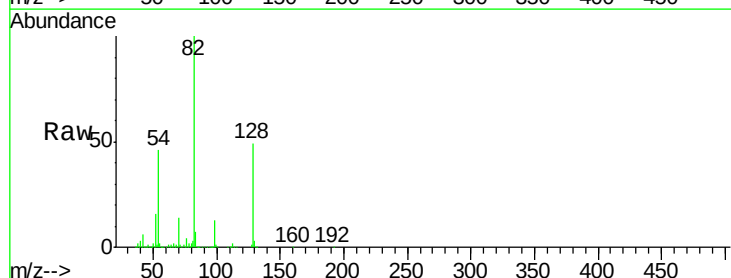
Ion Ratio Lower Upper

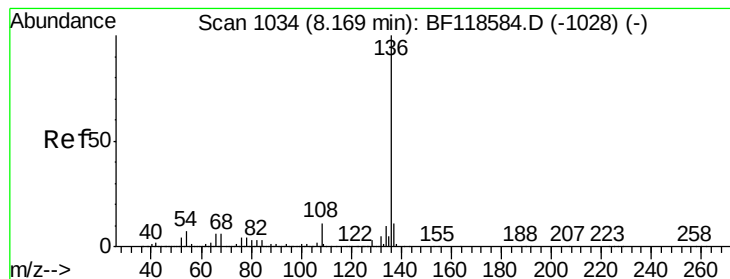
70 100

42 43.4 43.4 65.0

101 0.0 8.1 12.1#

130 2.0 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1413718

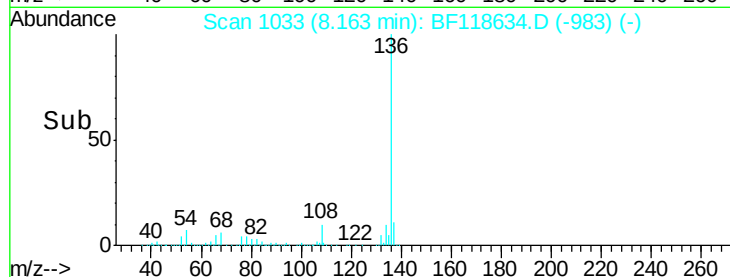
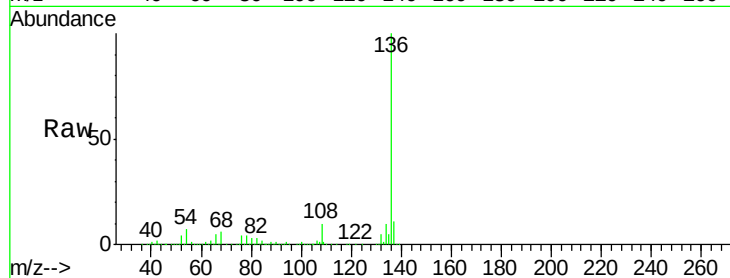
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.8 5.8 8.6

68 6.0 5.0 7.4

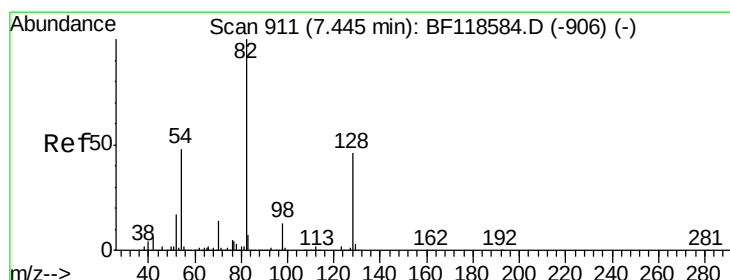
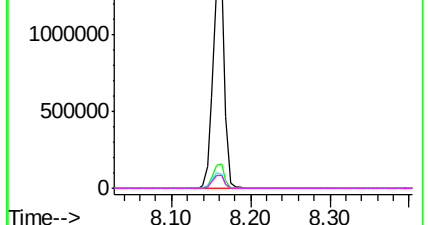


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.425 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

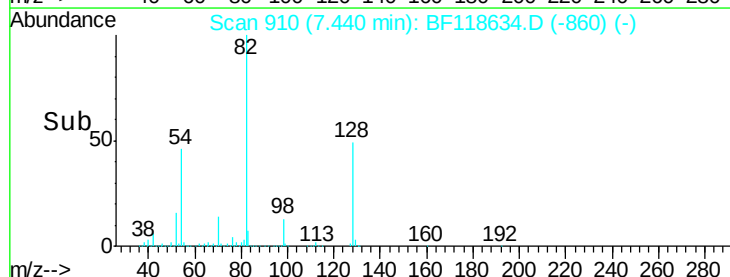
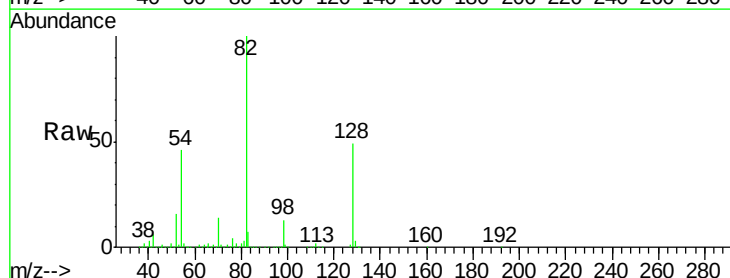
Tgt Ion: 82 Resp: 2108557

Ion Ratio Lower Upper

82 100

128 49.1 36.6 54.8

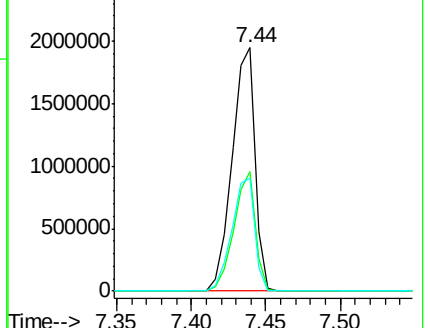
54 46.5 38.0 57.0

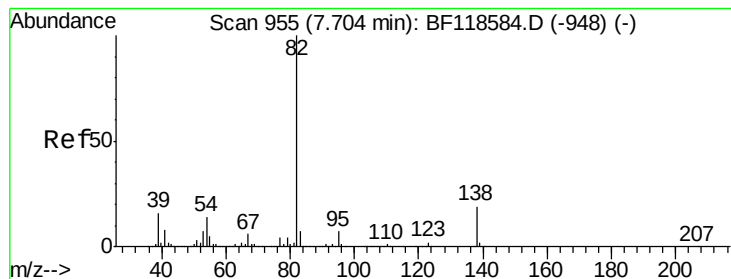


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.547 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampled :

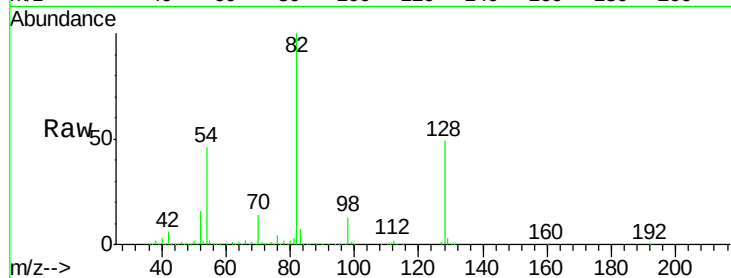
Tot Ion: 82 Resp: 2099720

Ion Ratio Lower Upper

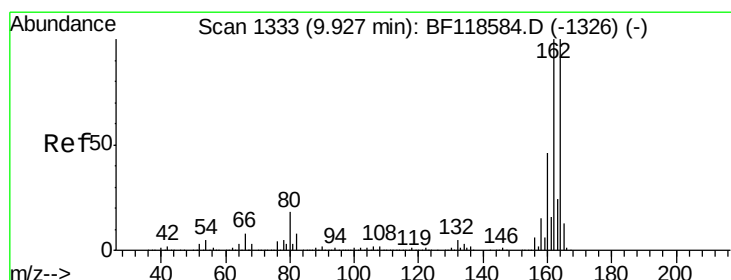
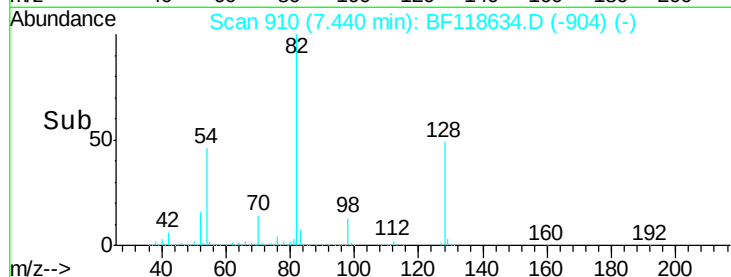
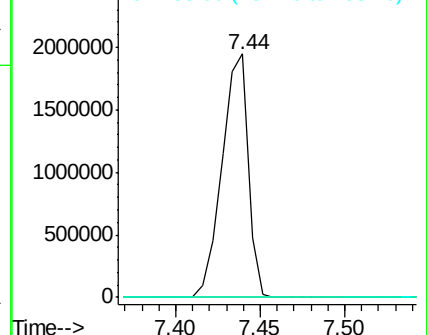
82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



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# 1331

Delta R.T. -0.01 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

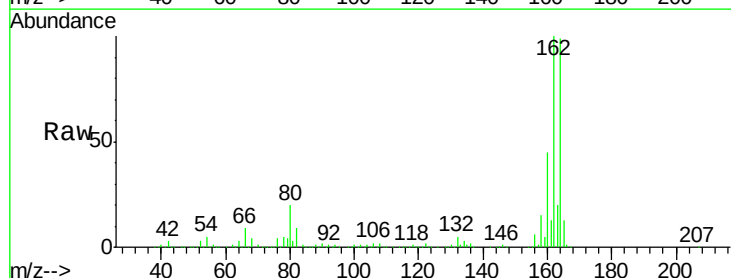
Tgt Ion: 164 Resp: 802669

Ion Ratio Lower Upper

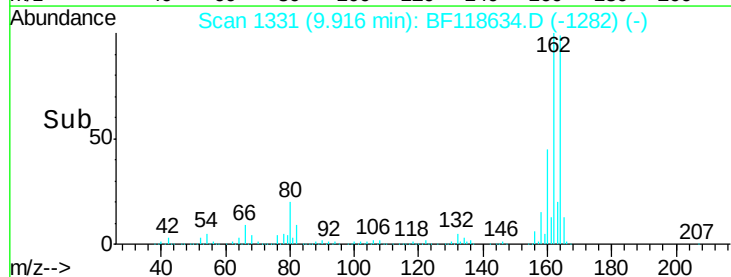
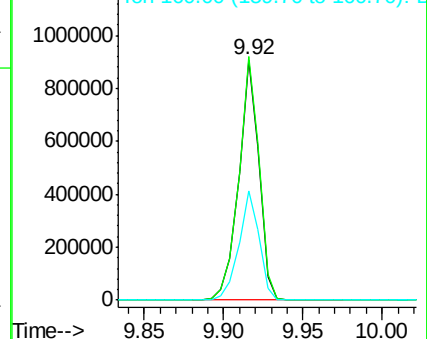
164 100

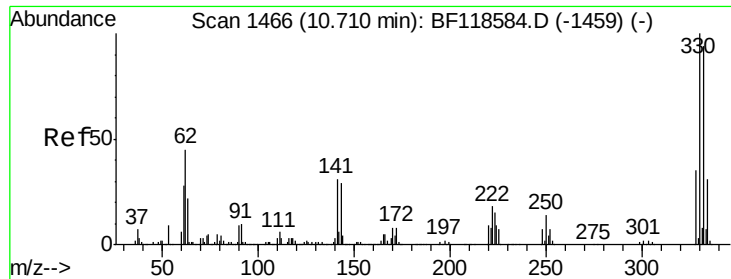
162 101.3 80.4 120.6

160 45.3 36.6 55.0



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

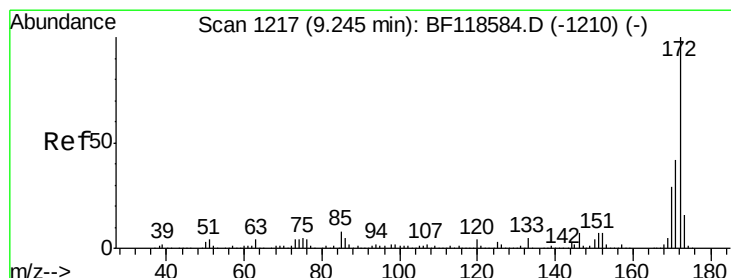
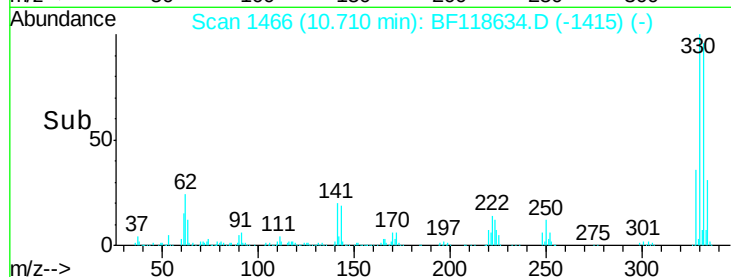
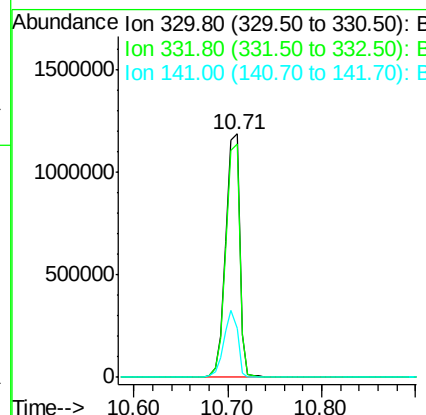
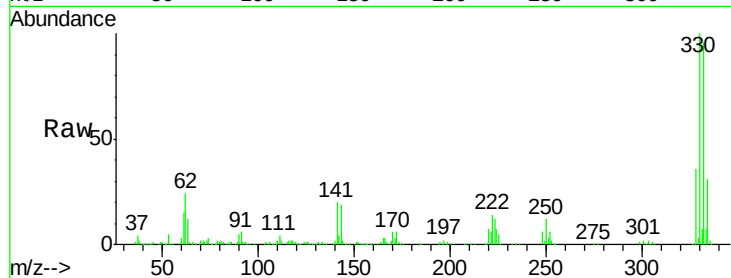




#42
 2,4,6-Tribromophenol
 Concen: 134.043 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF118634.D
 Acq: 21 Jan 2020 14:35

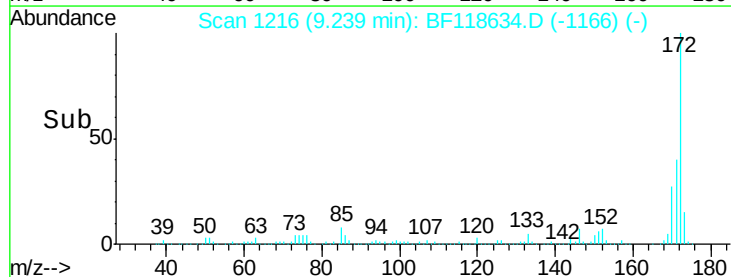
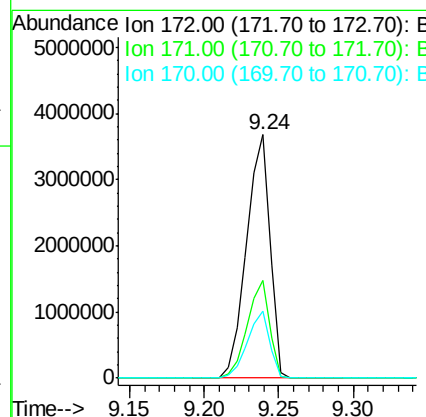
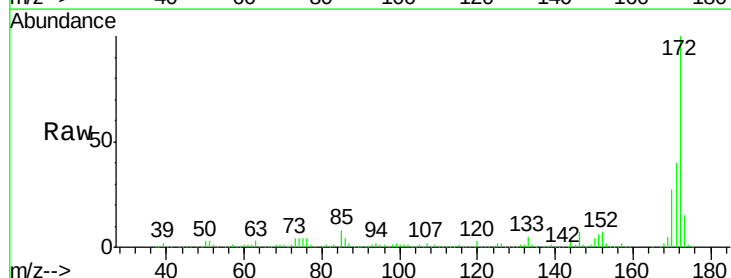
Instrument :
 BNA_F
 ClientSampleId :

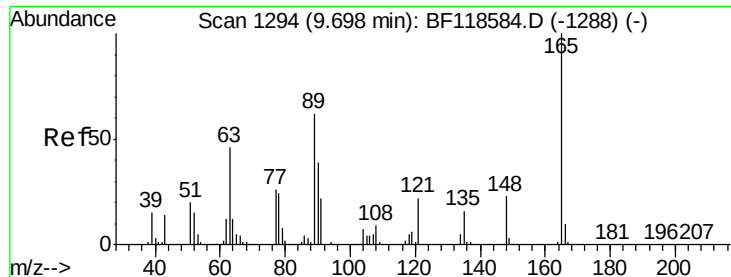
Tot Ion:330 Resp: 1244440
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 27.1 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 82.246 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118634.D
 Acq: 21 Jan 2020 14:35

Tgt Ion:172 Resp: 4016527
 Ion Ratio Lower Upper
 172 100
 171 40.2 33.4 50.2
 170 27.5 23.2 34.8





#51

2,6-Dinitrotoluene

Concen: 8.933 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampleId :

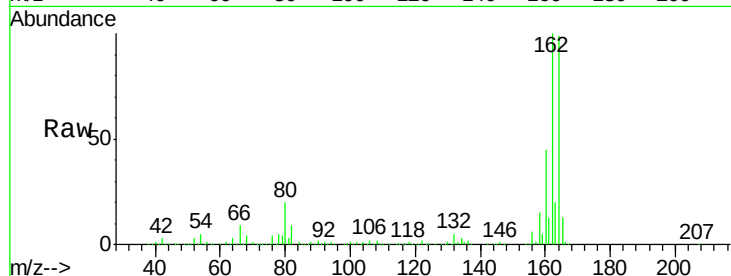
Tot Ion:165 Resp: 104603

Ion Ratio Lower Upper

165 100

63 1.1 48.9 73.3#

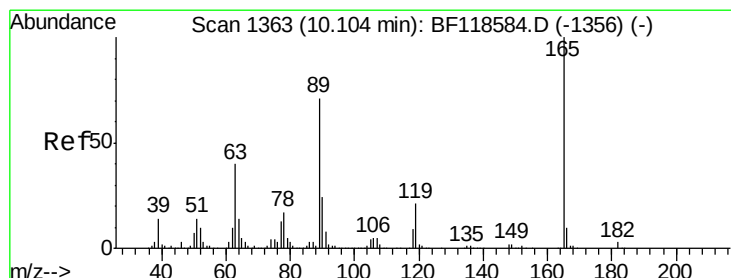
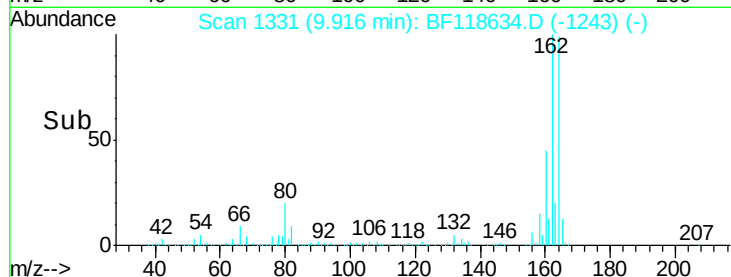
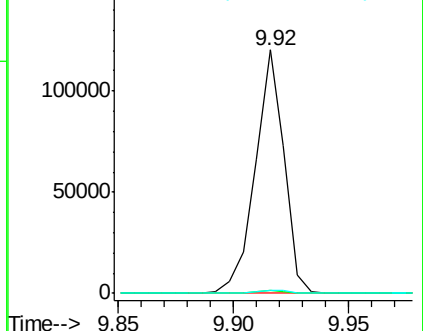
89 1.3 49.8 74.6#



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: 7.086 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Tgt Ion:165 Resp: 104603

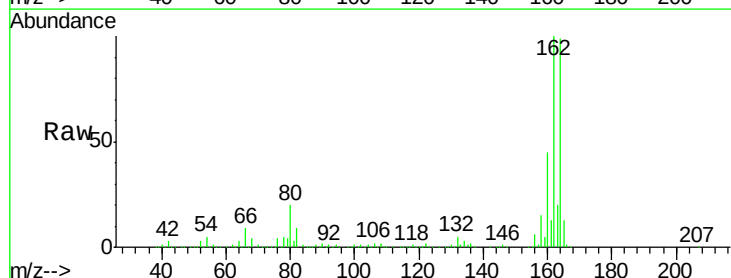
Ion Ratio Lower Upper

165 100

63 1.1 32.4 48.6#

89 1.3 56.4 84.6#

182 0.0 2.3 3.5#

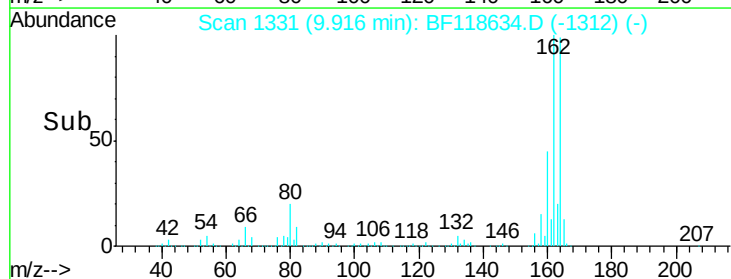
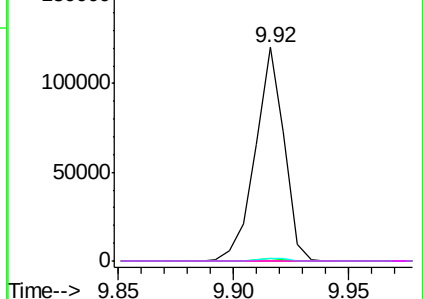


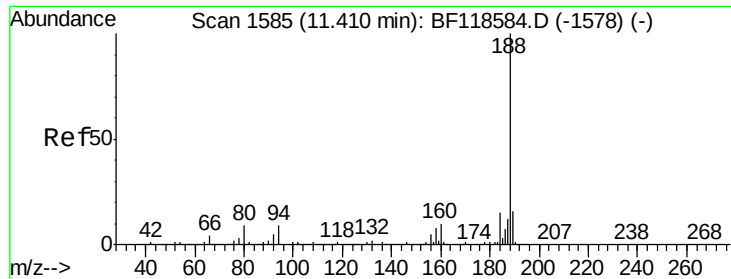
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampleId :

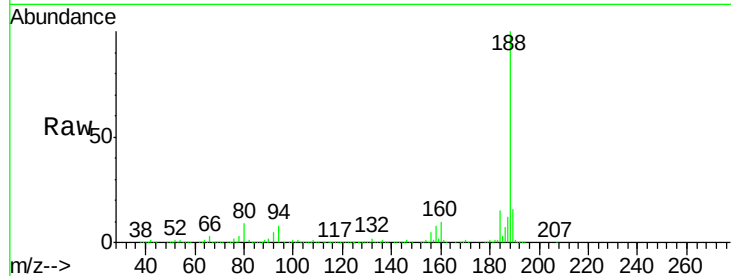
Tot Ion:188 Resp: 1522695

Ion Ratio Lower Upper

188 100

94 8.5 7.1 10.7

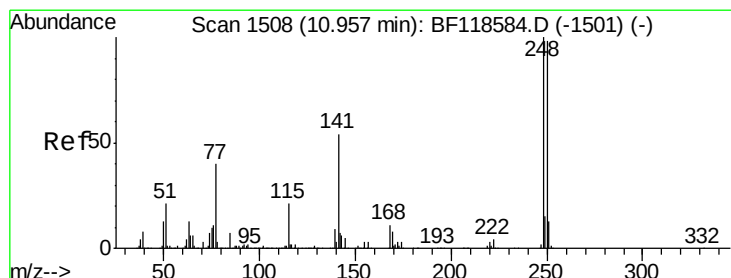
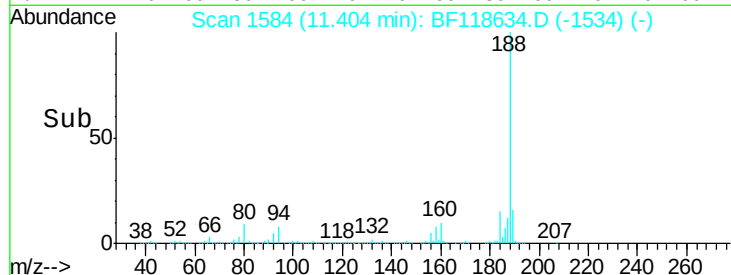
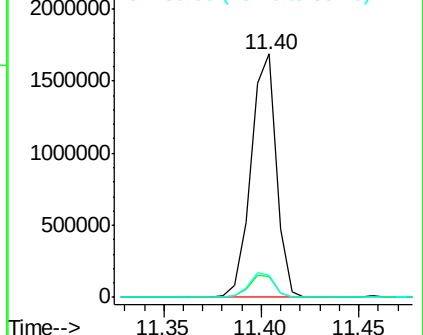
80 9.3 7.5 11.3



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: 4.295 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

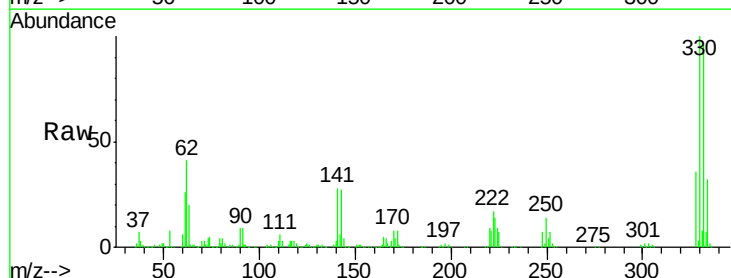
Tgt Ion:248 Resp: 80793

Ion Ratio Lower Upper

248 100

250 194.1 78.7 118.1#

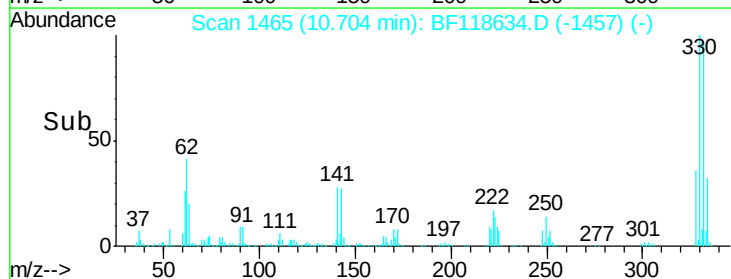
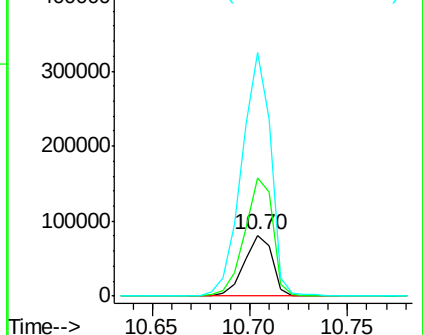
141 401.2 43.2 64.8#

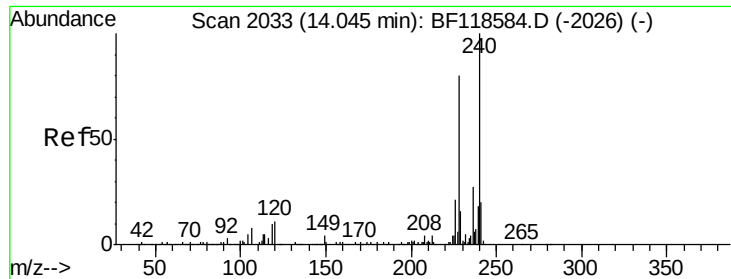


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

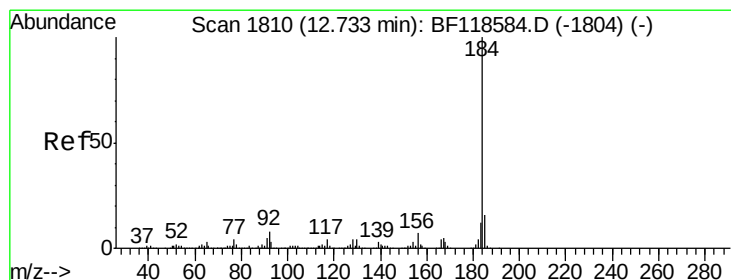
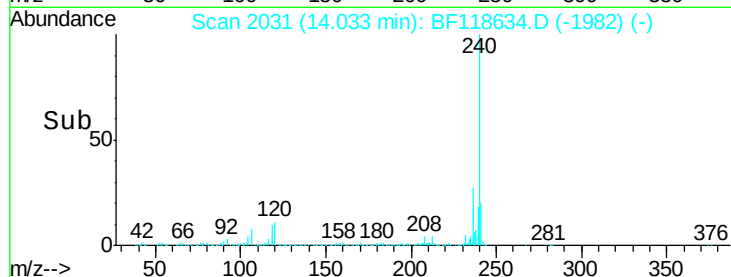
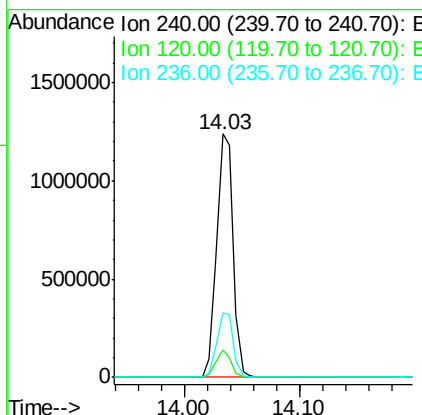
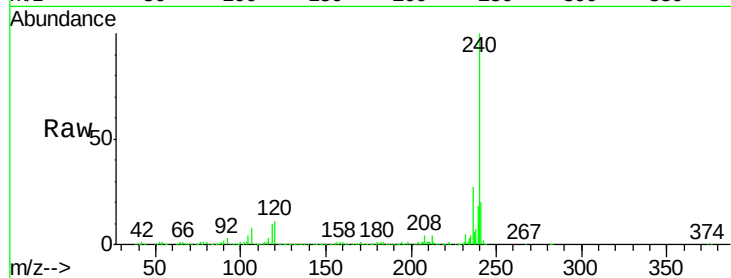




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF118634.D
 Acq: 21 Jan 2020 14:35

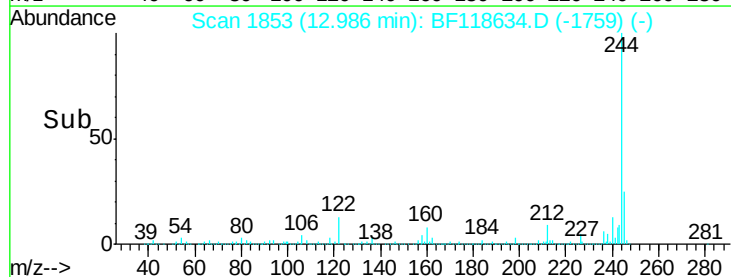
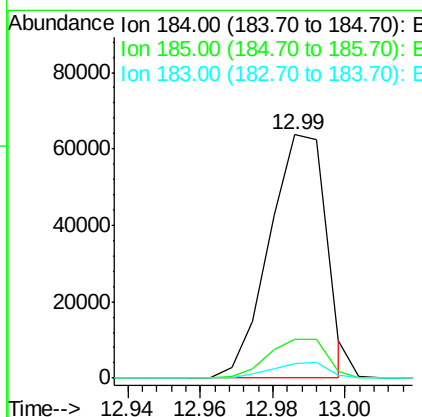
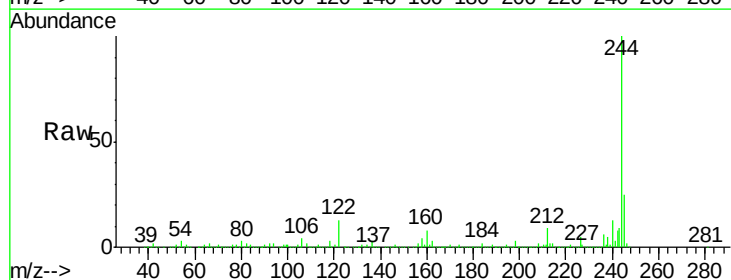
Instrument :
 BNA_F
 ClientSampleId :

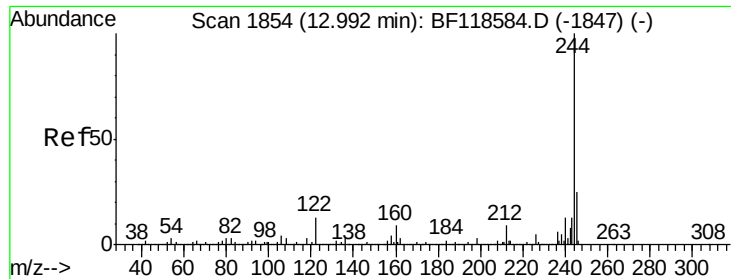
Tot Ion:240 Resp: 1219148
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.9 13.3
 236 26.6 21.5 32.3



#77
 Benzidine
 Concen: 2.124 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.25 min
 Lab File: BF118634.D
 Acq: 21 Jan 2020 14:35

Tgt Ion:184 Resp: 69196
 Ion Ratio Lower Upper
 184 100
 185 16.1 12.9 19.3
 183 6.0 9.6 14.4#





#79

Terphenyl-d14

Concen: 87.486 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_F

ClientSampleId :

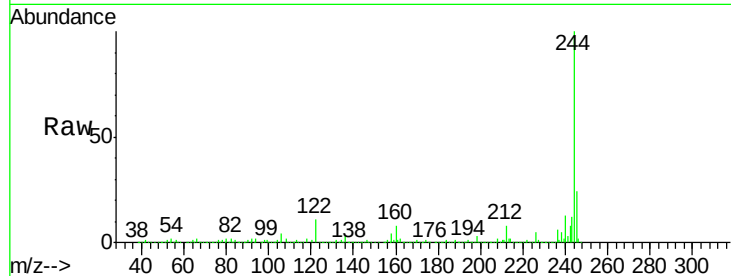
Tot Ion:244 Resp: 4890121

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	11.4	10.7	16.1

244 100

212 8.4 7.0 10.4

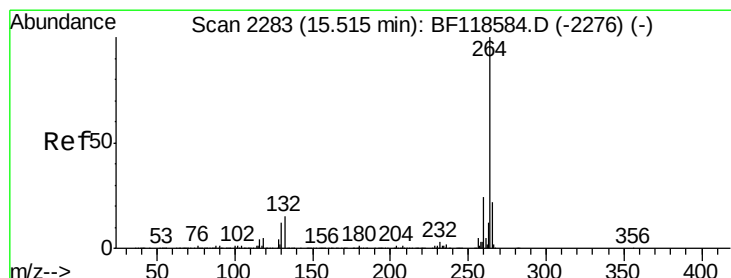
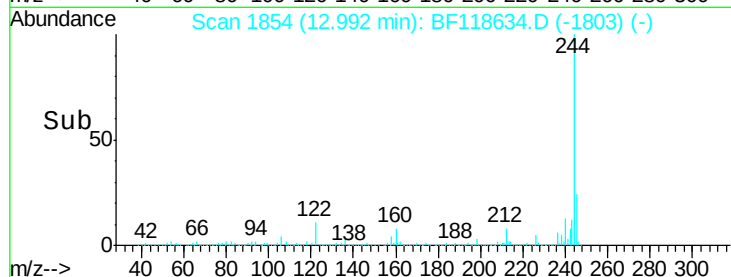
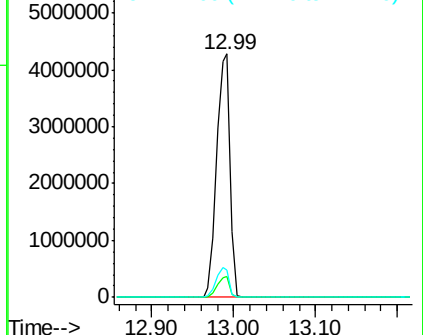
122 11.4 10.7 16.1



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: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF118634.D

Acq: 21 Jan 2020 14:35

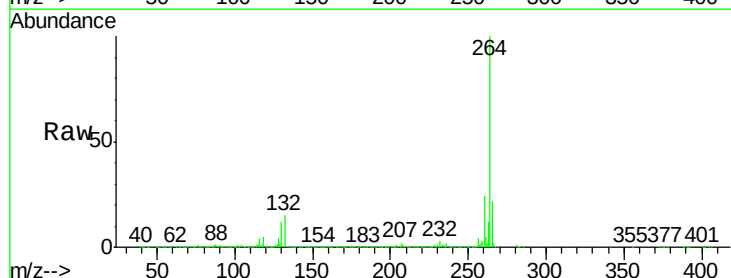
Tgt Ion:264 Resp: 1050222

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	22.2	17.7	26.5

264 100

260 24.1 19.6 29.4

265 22.2 17.7 26.5



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

