

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
 Data File : BF118635.D
 Acq On : 21 Jan 2020 15:10
 Operator : CG/JU
 Sample : PB126132BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 15:48:13 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

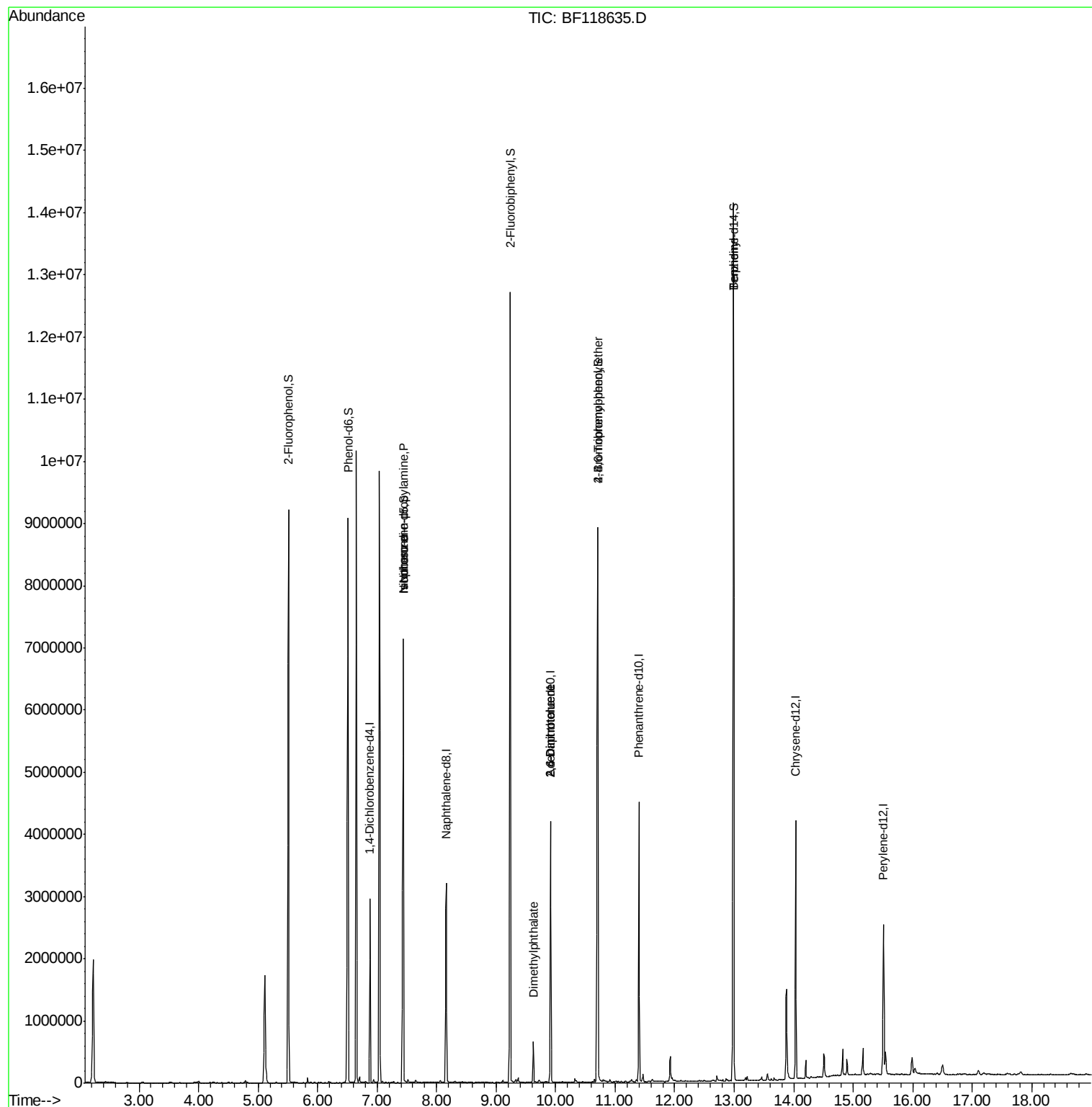
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	410038	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1517444	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	868010	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1655689	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1381844	20.00	ng	0.00
87) Perylene-d12	15.51	264	1209831	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	3056125	138.43	ng	0.01
7) Phenol-d6	6.52	99	3986076	138.91	ng	0.00
23) Nitrobenzene-d5	7.44	82	2492907	91.89	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1485483	147.96	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4619309	87.47	ng	0.00
79) Terphenyl-d14	12.99	244	5726585	90.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	358099	18.482	ng	# 77
25) Isophorone	7.44	82	2483235	50.184	ng	# 64
50) Dimethylphthalate	9.63	163	244525	4.324	ng	# 96
51) 2,6-Dinitrotoluene	9.92	165	113627	8.973	ng	# 21
57) 2,4-Dinitrotoluene	9.92	165	113629	7.118	ng	# 25
67) 4-Bromophenyl-phenylether	10.71	248	95011	4.645	ng	# 1
77) Benzidine	12.99	184	81704	2.213	ng	# 95

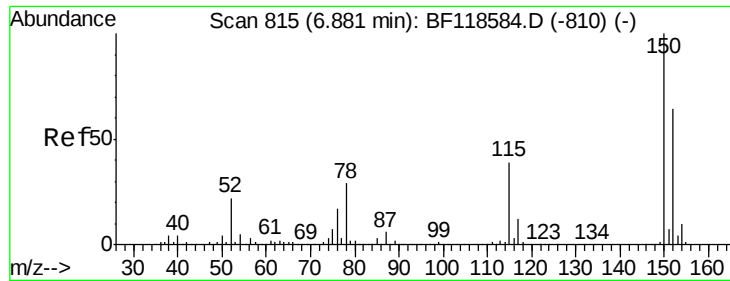
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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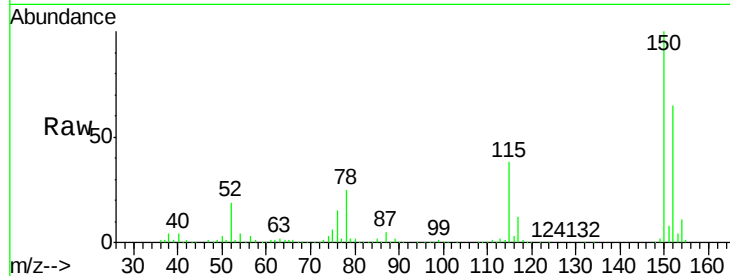


#1

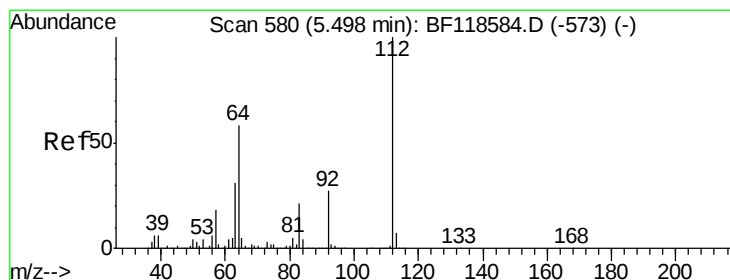
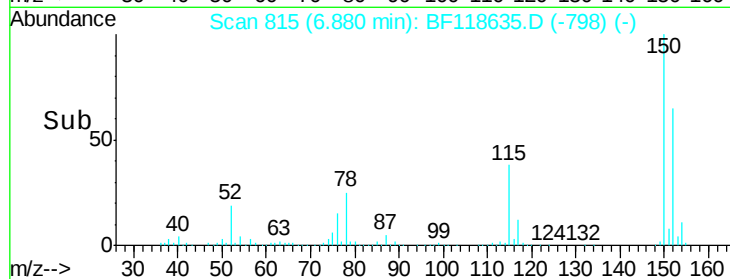
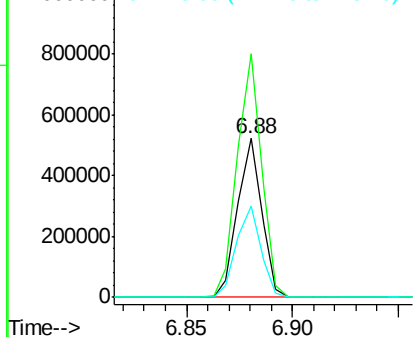
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 410038
Ion Ratio Lower Upper
152 100
150 153.4 125.6 188.4
115 57.6 48.4 72.6



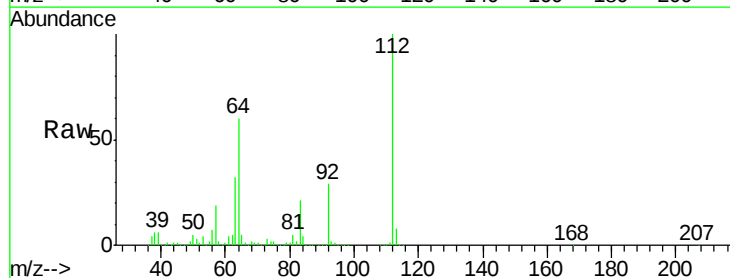
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



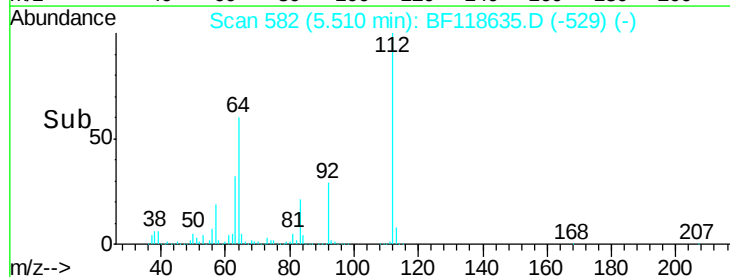
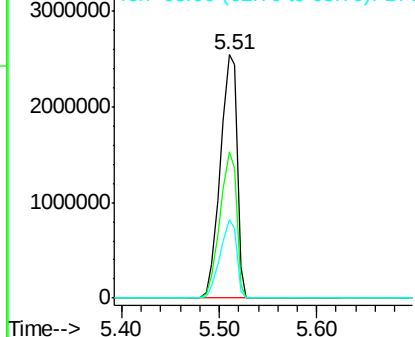
#5

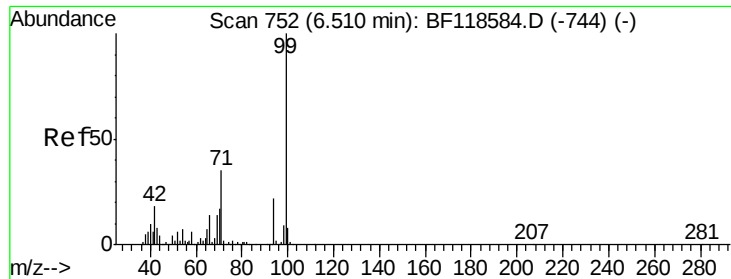
2-Fluorophenol
Concen: 138.426 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

Tgt Ion:112 Resp: 3056125
Ion Ratio Lower Upper
112 100
64 60.3 46.6 70.0
63 32.0 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: 138.911 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

Instrument :

BNA_F

ClientSampleId :

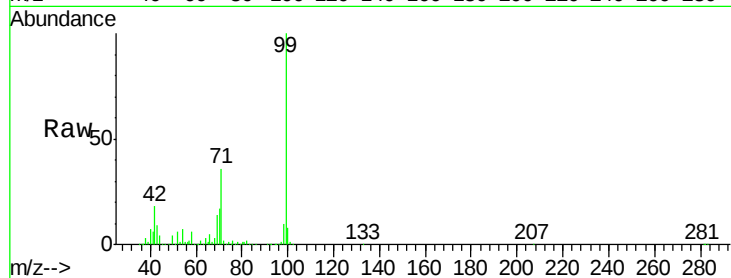
Tot Ion: 99 Resp: 3986076

Ion Ratio Lower Upper

99 100

42 17.6 14.2 21.2

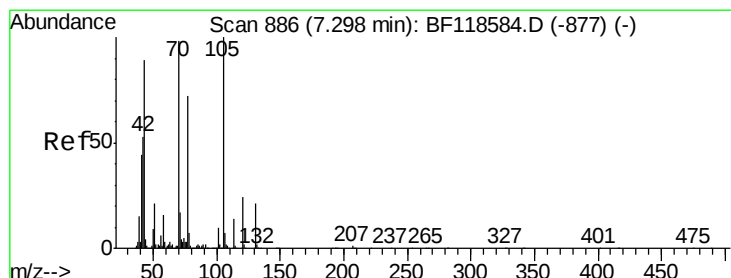
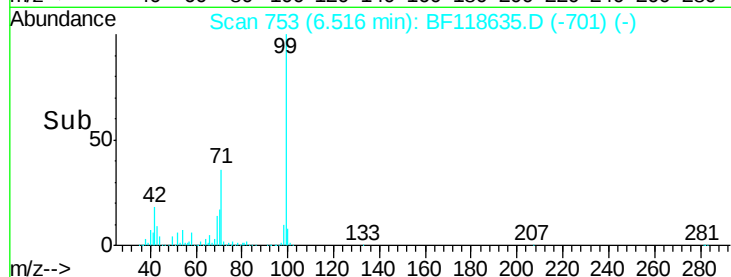
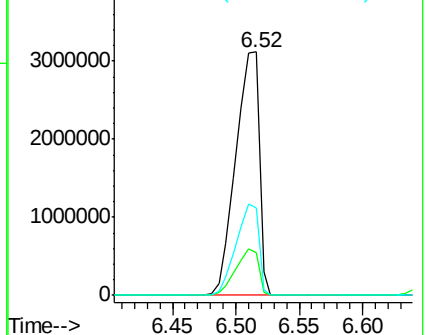
71 35.9 27.8 41.6



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: 18.482 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

Tgt Ion: 70 Resp: 358099

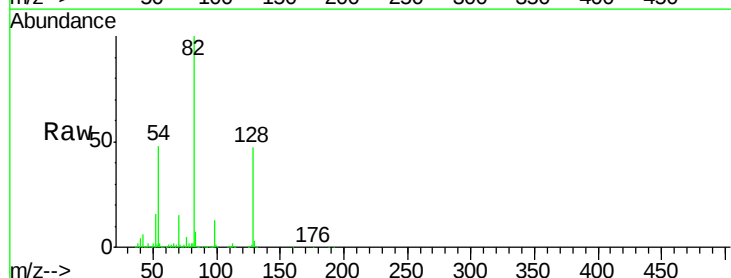
Ion Ratio Lower Upper

70 100

42 44.0 43.4 65.0

101 0.0 8.1 12.1#

130 2.2 17.6 26.4#

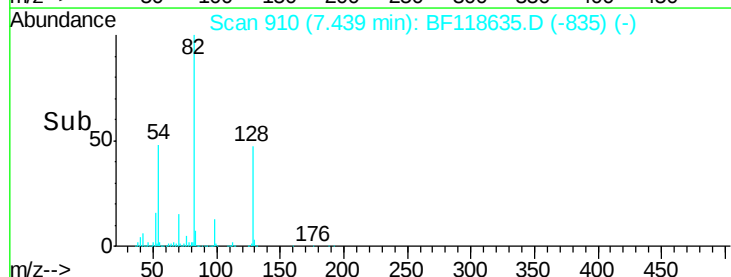
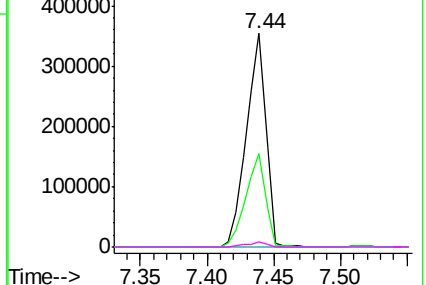


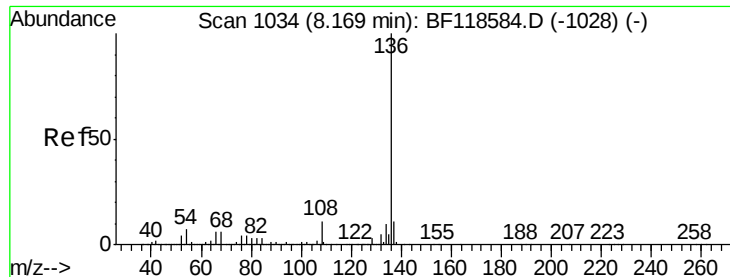
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

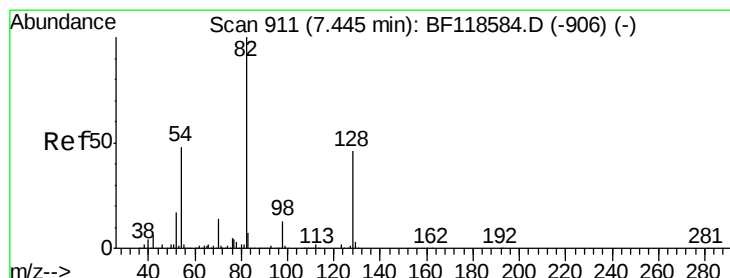
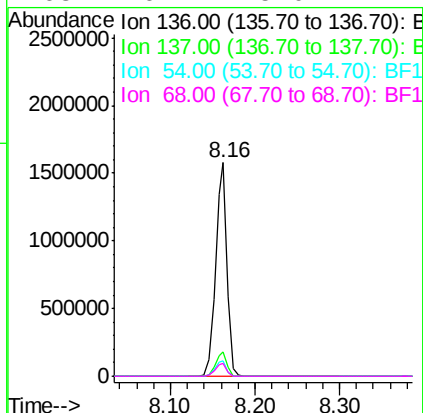
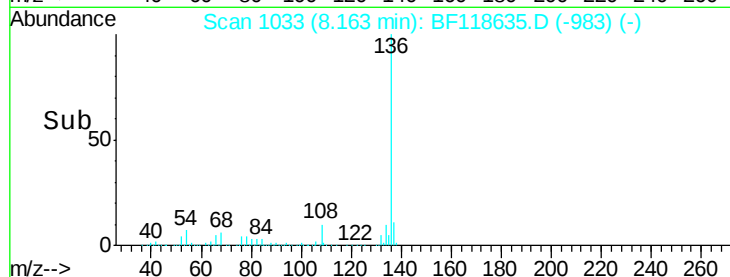
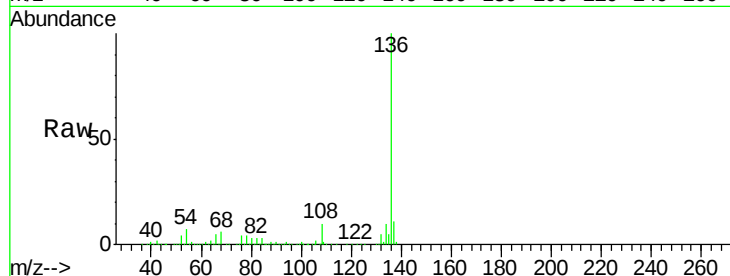




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

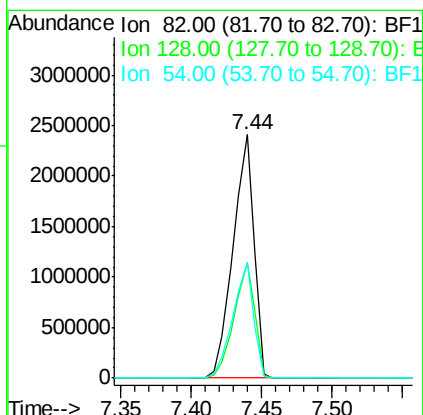
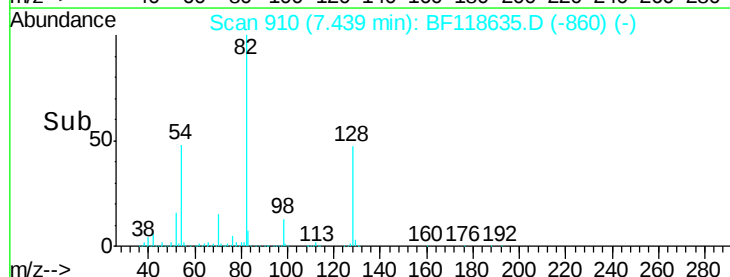
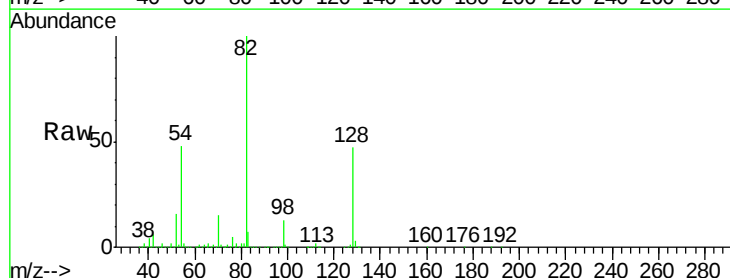
Instrument :
BNA_F
ClientSampleId :

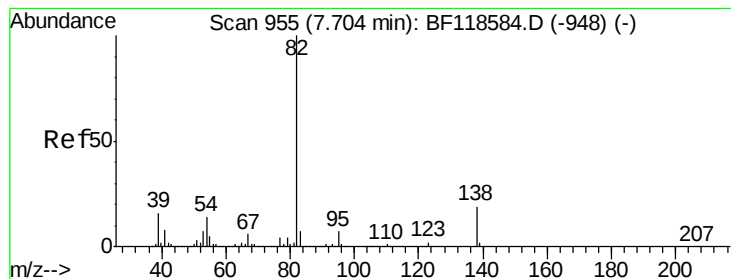
Tot Ion:136	Resp: 1517444
Ion Ratio	Lower Upper
136 100	
137 11.3	9.1 13.7
54 7.0	5.8 8.6
68 6.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 91.890 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

Tgt	Ion: 82	Resp: 2492907	
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.6	54.8
54	47.6	38.0	57.0





#25

Isophorone

Concen: 50.184 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

Instrument :

BNA_F

ClientSampleId :

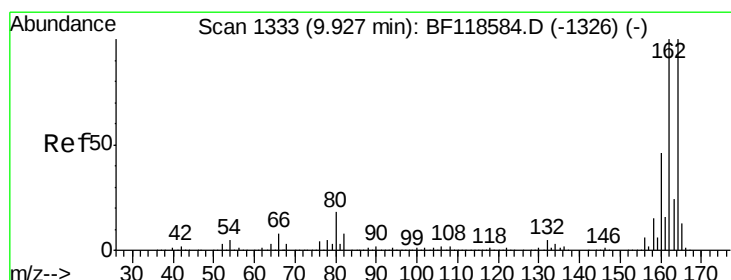
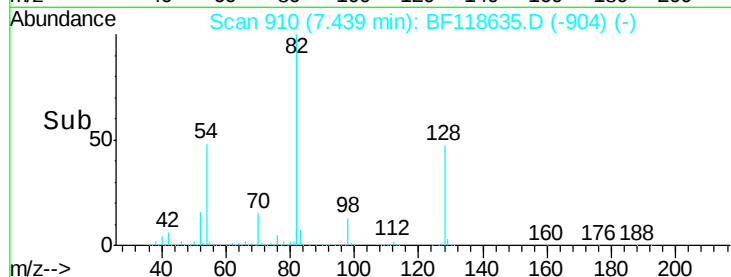
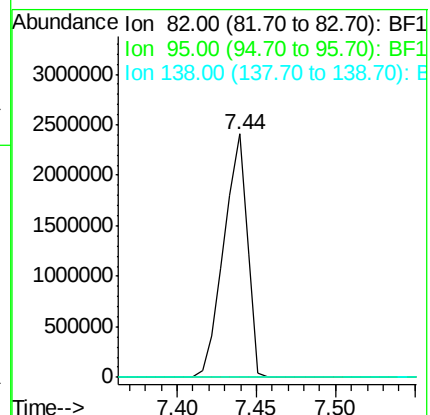
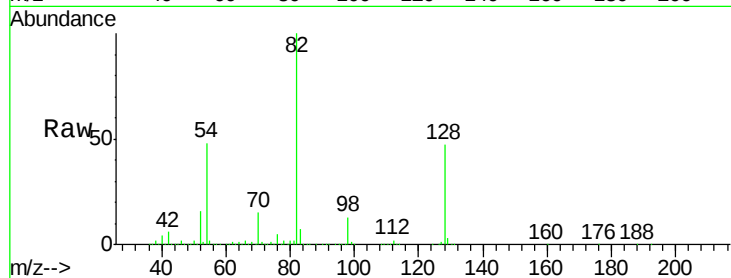
Tot Ion: 82 Resp: 2483235

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.3 22.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

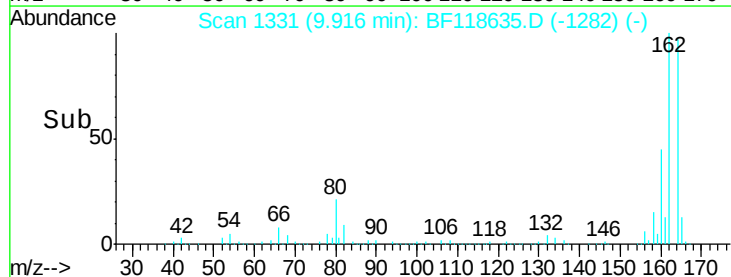
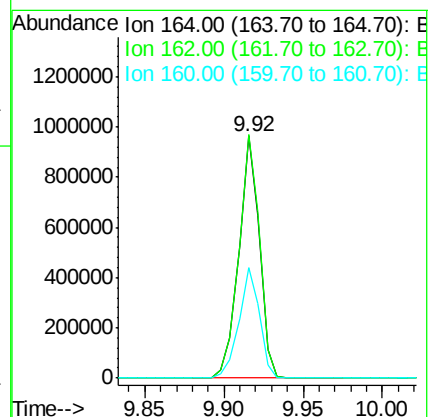
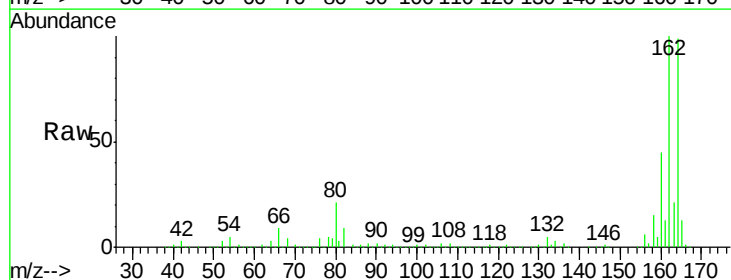
Tgt Ion:164 Resp: 868010

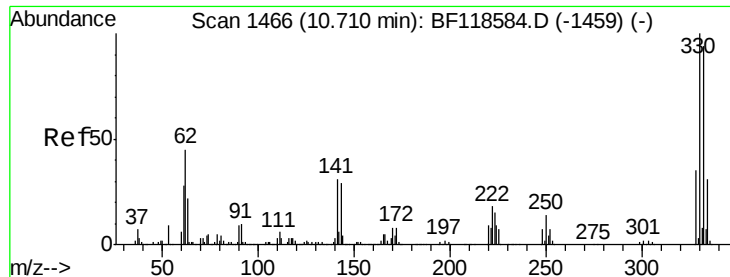
Ion Ratio Lower Upper

164 100

162 100.6 80.4 120.6

160 45.6 36.6 55.0

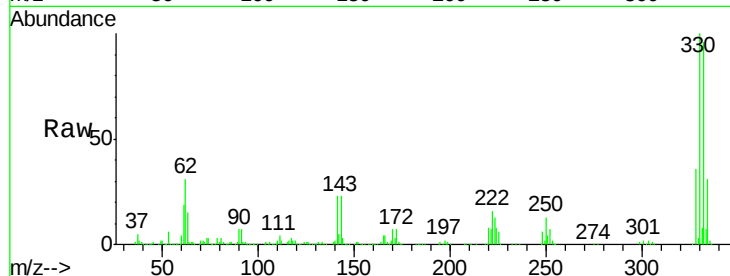




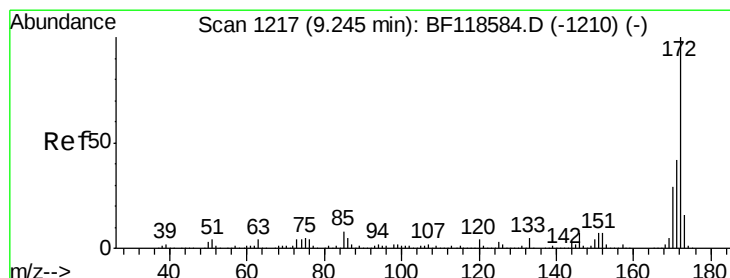
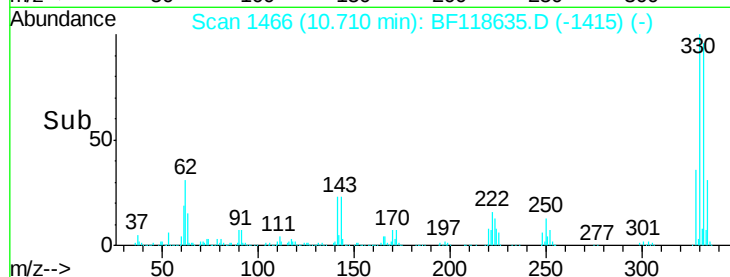
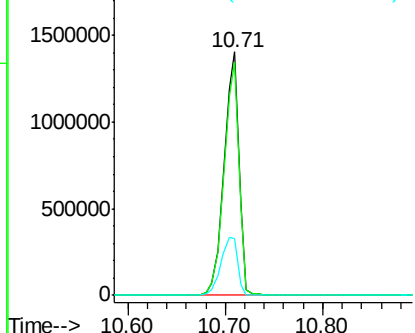
#42
 2,4,6-Tribromophenol
 Concen: 147.962 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF118635.D
 Acq: 21 Jan 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1485483
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 27.0 23.9 35.9

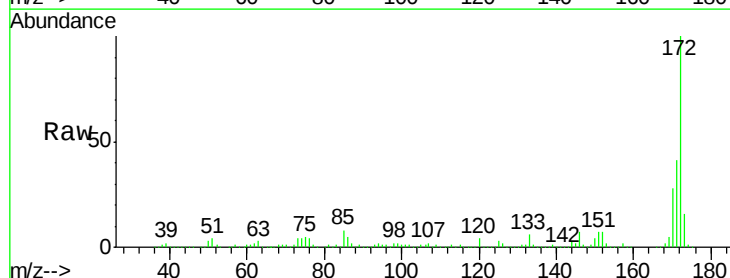


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

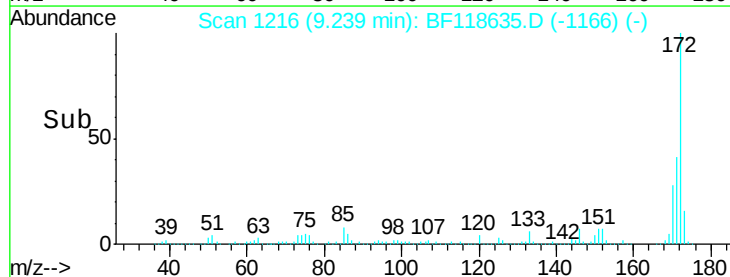
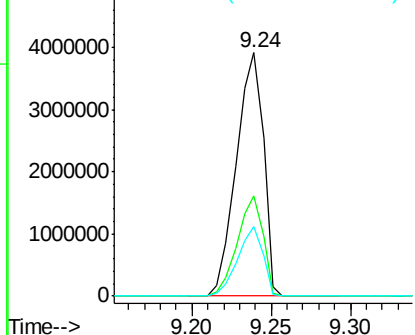


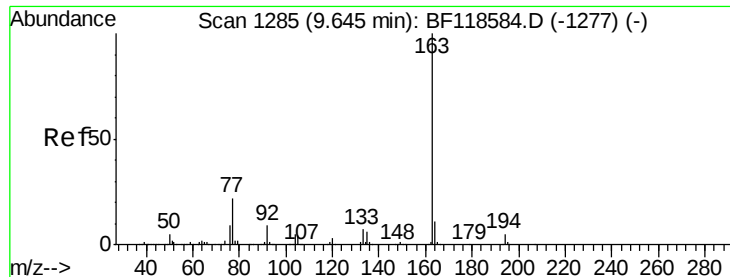
#45
 2-Fluorobiphenyl
 Concen: 87.469 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118635.D
 Acq: 21 Jan 2020 15:10

Tgt Ion:172 Resp: 4619309
 Ion Ratio Lower Upper
 172 100
 171 41.2 33.4 50.2
 170 28.3 23.2 34.8



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





#50

Dimethylphthalate

Concen: 4.324 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

Instrument :

BNA_F

ClientSampleId :

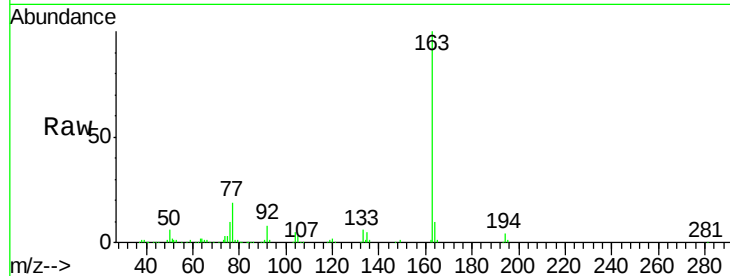
Tot Ion:163 Resp: 244525

Ion Ratio Lower Upper

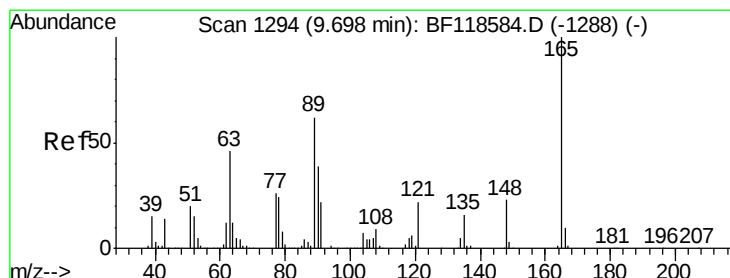
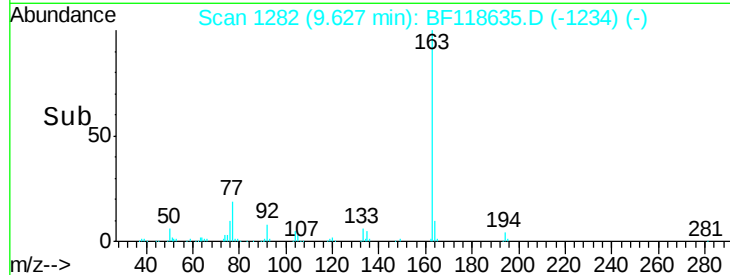
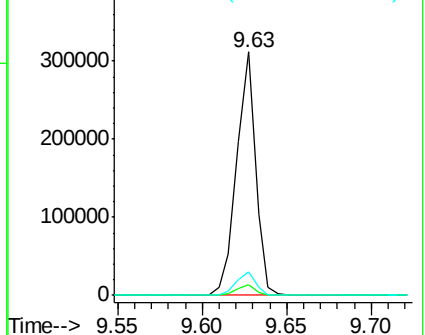
163 100

194 4.3 3.9 5.9

164 9.5 9.1 13.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.973 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

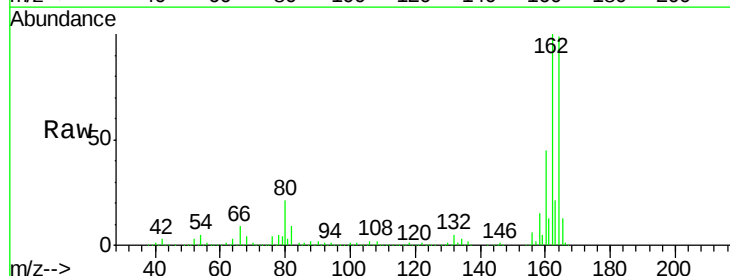
Tgt Ion:165 Resp: 113627

Ion Ratio Lower Upper

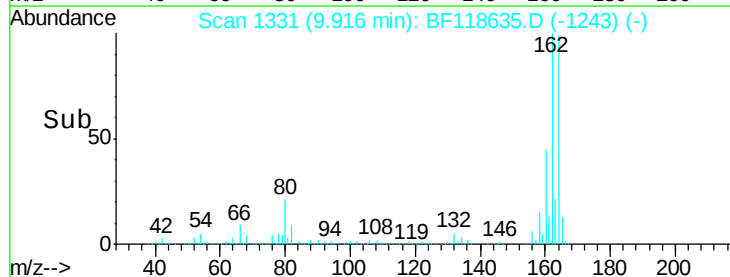
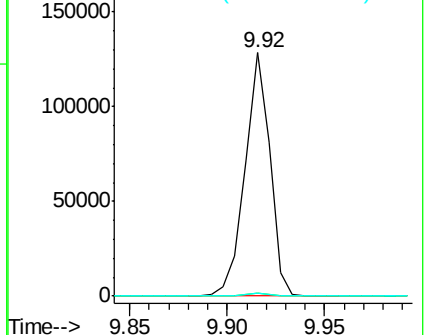
165 100

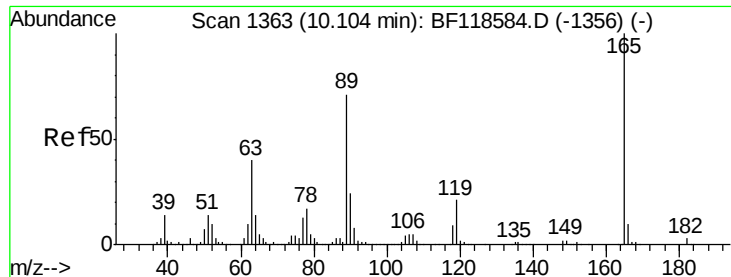
63 1.1 48.9 73.3#

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

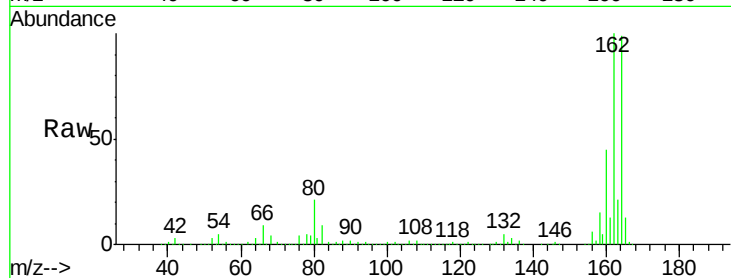




#57
 2,4-Dinitrotoluene
 Concen: 7.118 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118635.D
 Acq: 21 Jan 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

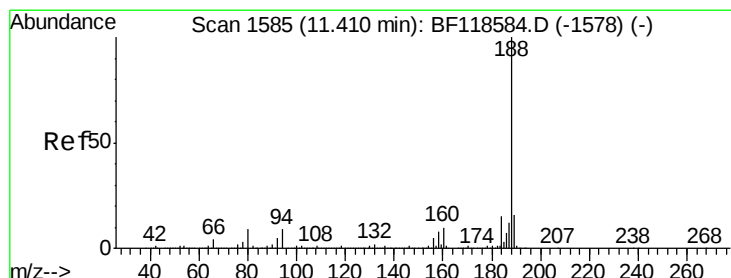
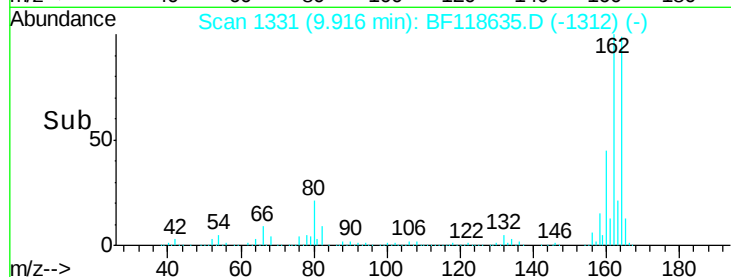
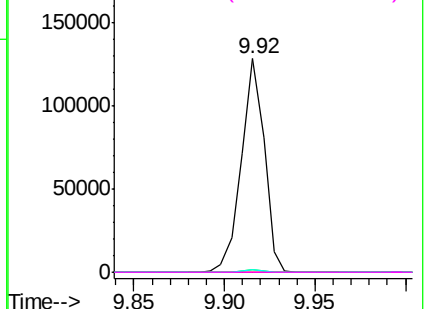


Abundance Ion 165.00 (164.70 to 165.70): E

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



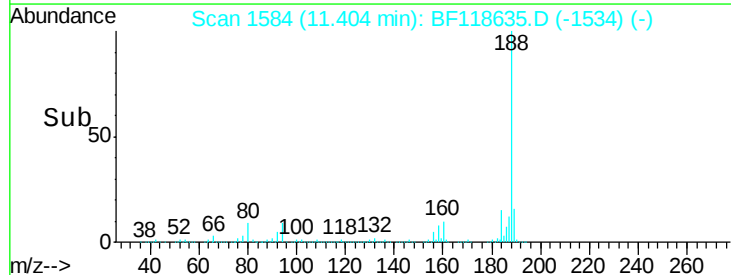
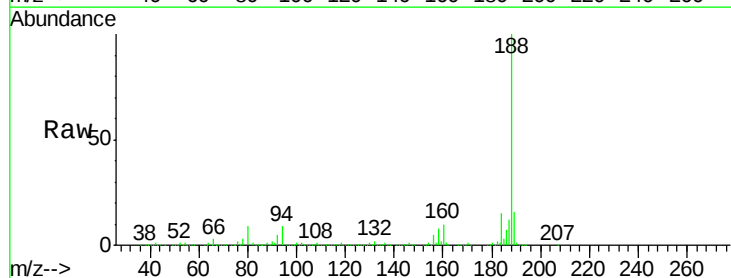
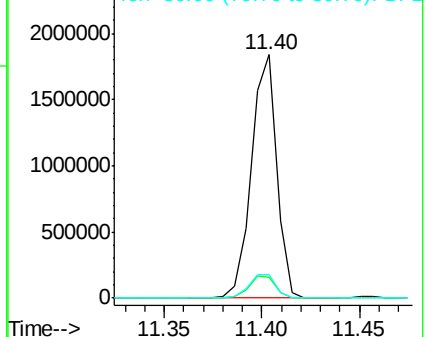
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118635.D
 Acq: 21 Jan 2020 15:10

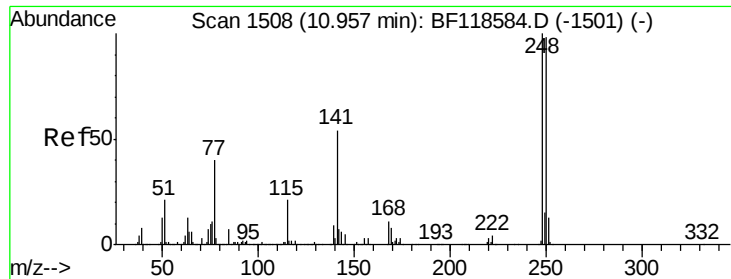
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.1	10.7
80	9.4	7.5	11.3

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

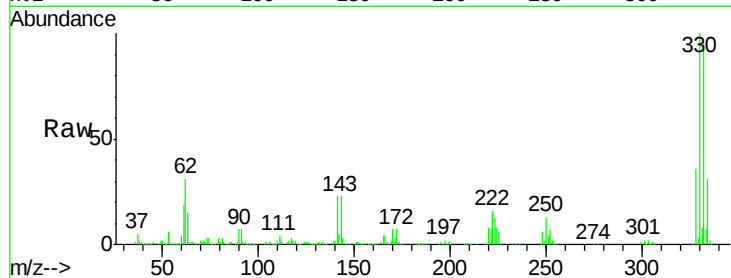




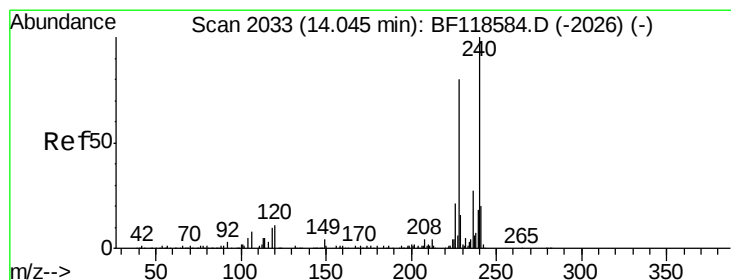
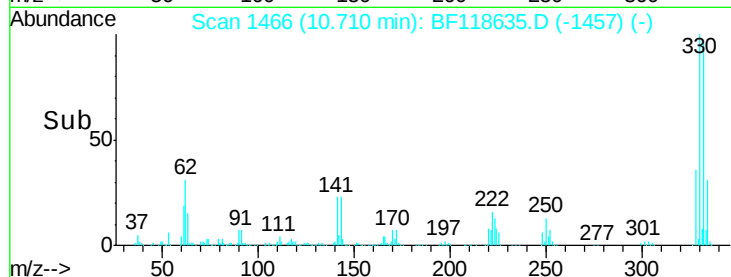
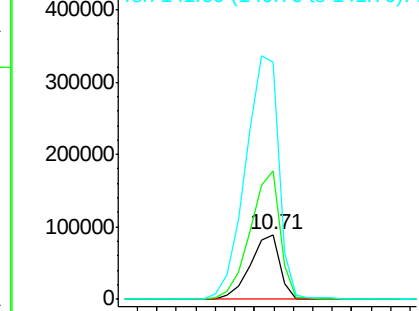
#67
4-Bromophenyl-phenylether
Concen: 4.645 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 95011
Ion Ratio Lower Upper
248 100
250 198.7 78.7 118.1#
141 365.1 43.2 64.8#

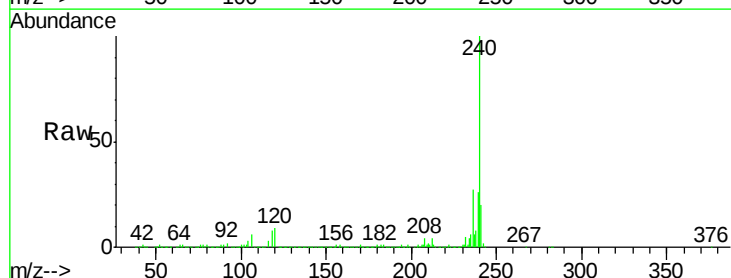


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

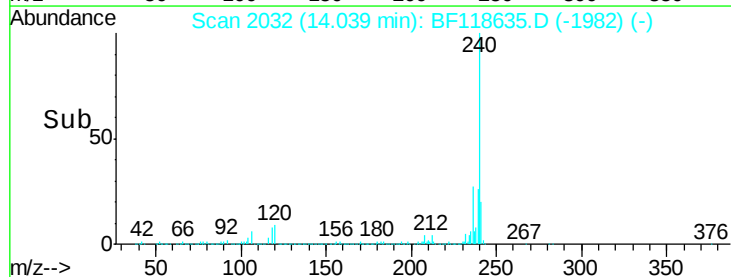
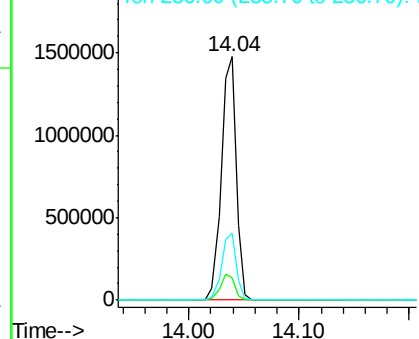


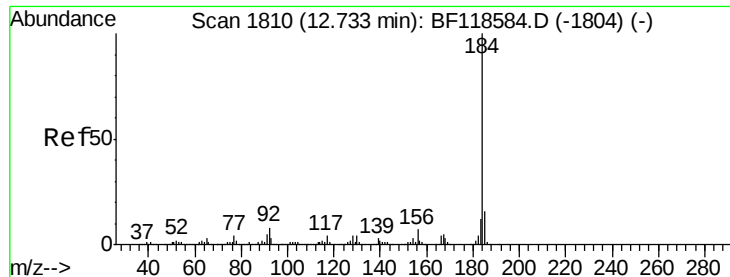
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118635.D
Acq: 21 Jan 2020 15:10

Tgt Ion:240 Resp: 1381844
Ion Ratio Lower Upper
240 100
120 8.9 8.9 13.3
236 27.5 21.5 32.3



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: 2.213 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.26 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

Instrument :

BNA_F

ClientSampleId :

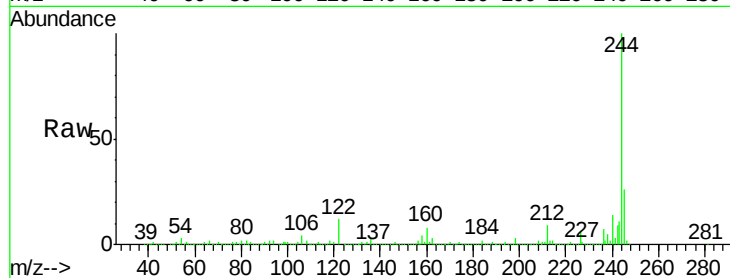
Tot Ion:184 Resp: 81704

Ion Ratio Lower Upper

184 100

185 15.8 12.9 19.3

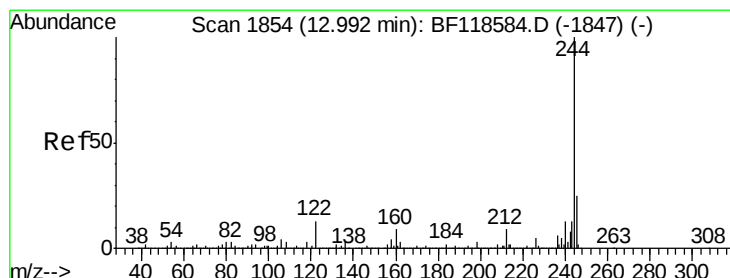
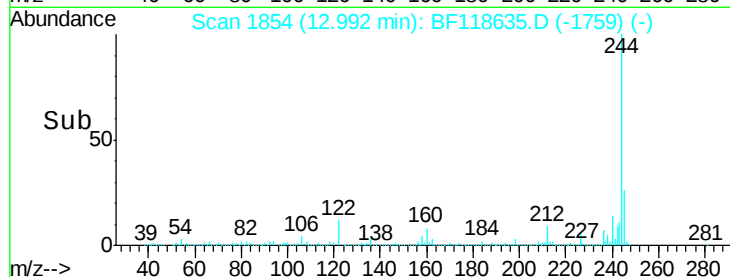
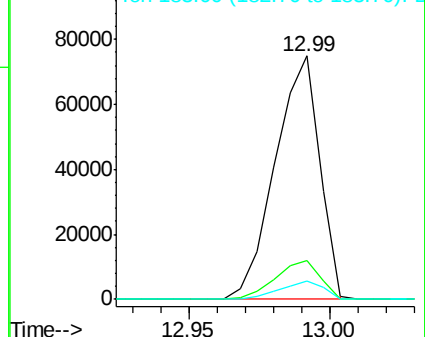
183 7.5 9.6 14.4#



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: 90.388 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF118635.D

Acq: 21 Jan 2020 15:10

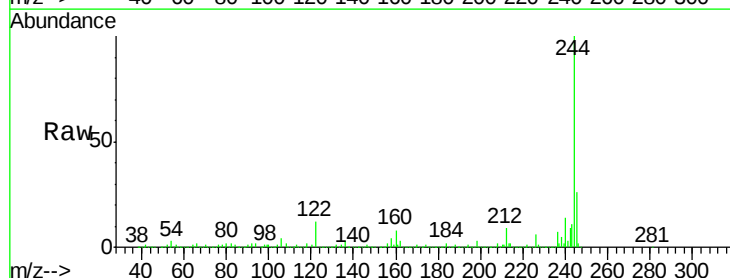
Tgt Ion:244 Resp: 5726585

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

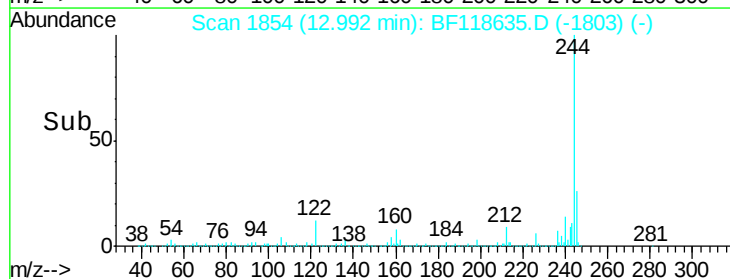
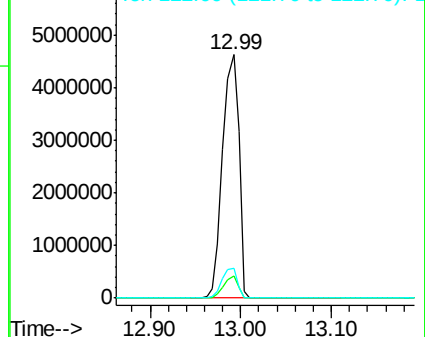
122 12.2 10.7 16.1

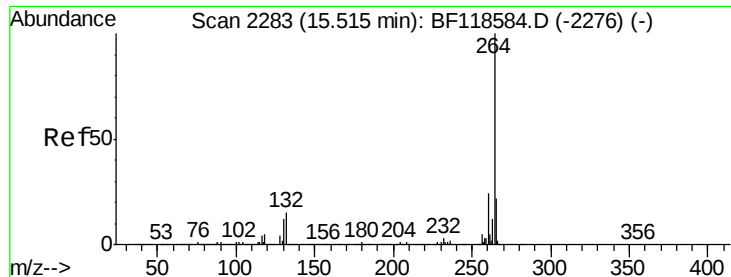


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF118635.D
 Acq: 21 Jan 2020 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 1209831
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.6 29.4
 265 21.9 17.7 26.5

