

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
 Data File : BF119260.D
 Acq On : 6 Mar 2020 20:11
 Operator : CG/JU
 Sample : L1803-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

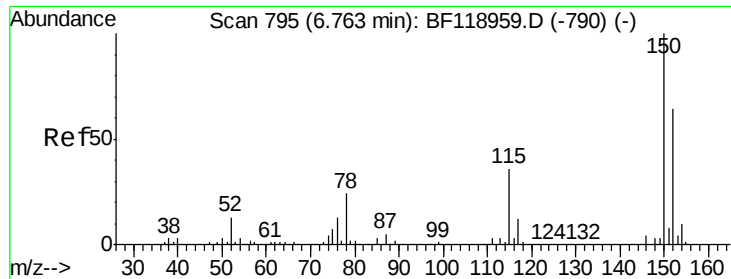
Quant Time: Mar 06 23:50:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	99069	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	383654	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	208456	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	388826	20.00	ng	0.00
76) Chrysene-d12	13.88	240	304937	20.00	ng	0.00
87) Perylene-d12	15.30	264	285260	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	352234	59.42	ng	0.00
7) Phenol-d6	6.37	99	265518	36.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	644351	88.68	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	376333	138.00	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1304086	92.16	ng	0.00
79) Terphenyl-d14	12.82	244	1440316	81.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	89774	21.369	ng	# 76
25) Isophorone	7.29	82	644345	51.061	ng	# 63
32) Benzoic acid	8.03	122	375	6.766	ng	# 1
50) Dimethylphthalate	9.47	163	48187	3.023	ng	99
51) 2,6-Dinitrotoluene	9.76	165	26178	7.392	ng	# 32
57) 2,4-Dinitrotoluene	9.76	165	26178	5.703	ng	# 20
67) 4-Bromophenyl-phenylether	10.55	248	24587	4.838	ng	# 1

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

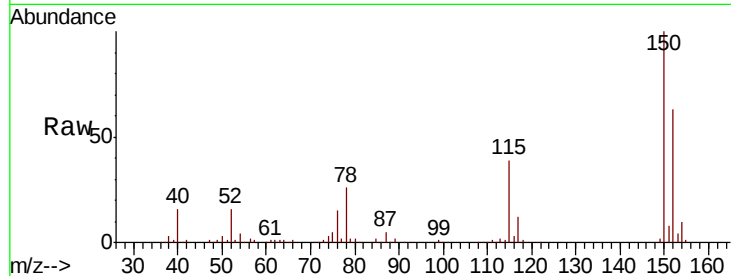


#1

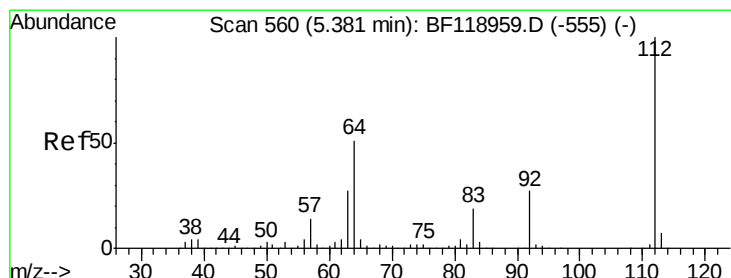
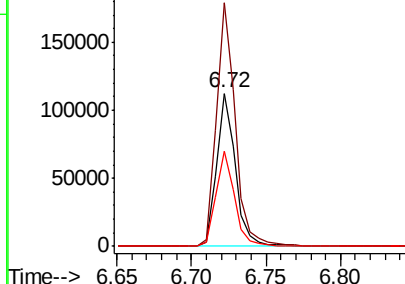
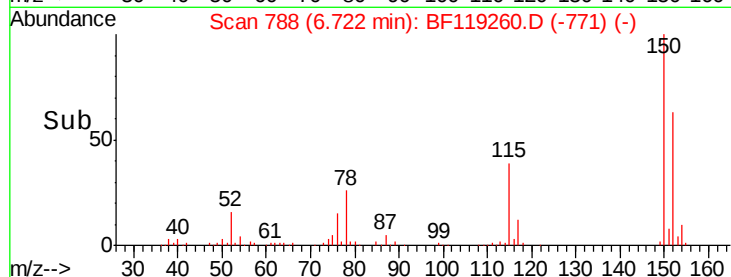
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119260.D
 Acq: 6 Mar 2020 20:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 99069
 Ion Ratio Lower Upper
 152 100
 150 159.0 123.0 184.6
 115 61.8 49.5 74.3



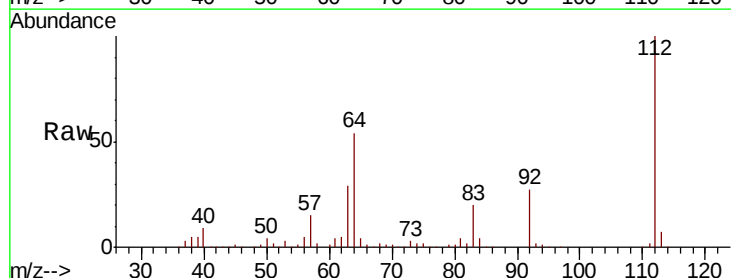
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



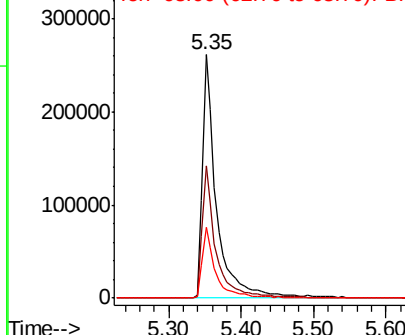
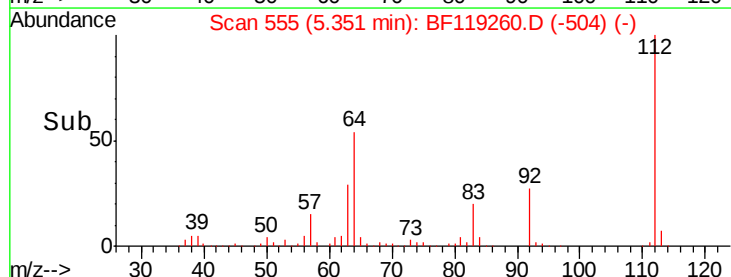
#5

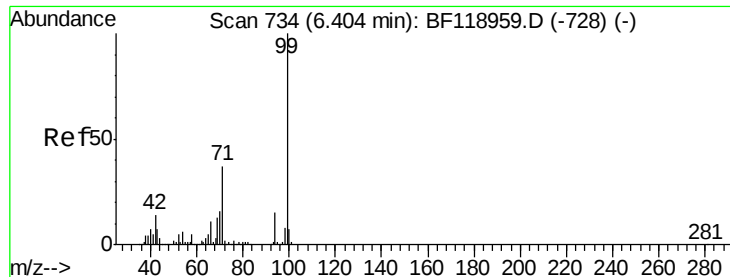
2-Fluorophenol
 Concen: 59.418 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: BF119260.D
 Acq: 6 Mar 2020 20:11

Tgt Ion:112 Resp: 352234
 Ion Ratio Lower Upper
 112 100
 64 54.5 45.0 67.4
 63 29.0 24.2 36.4



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: 36.828 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

Instrument :

BNA_F

ClientSampled :

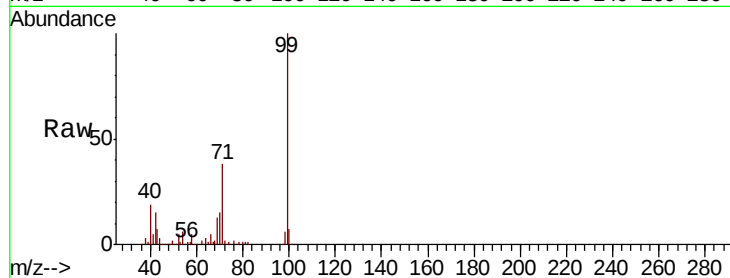
Tot Ion: 99 Resp: 265518

Ion Ratio Lower Upper

99 100

42 14.8 12.6 18.8

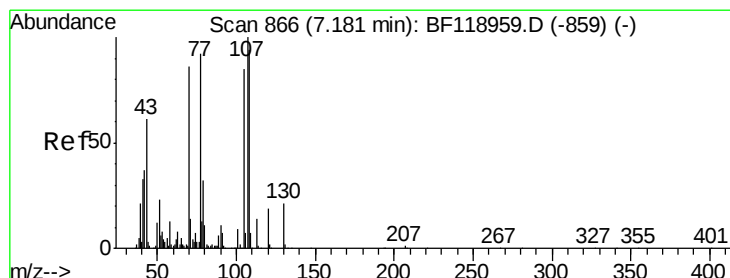
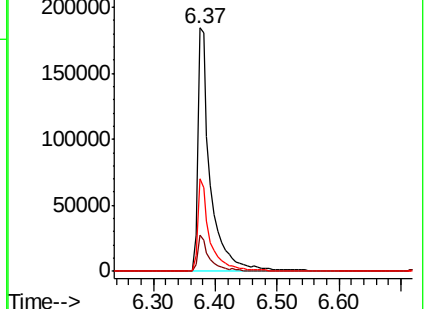
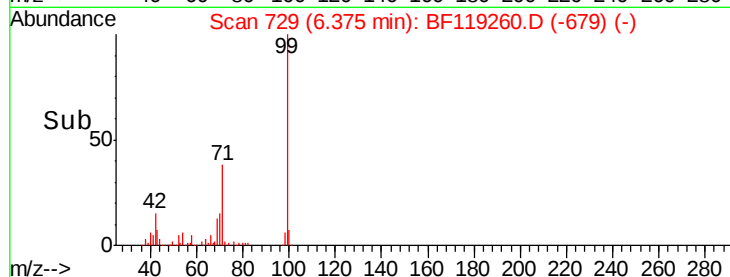
71 37.9 31.0 46.4



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: 21.369 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

Tgt Ion: 70 Resp: 89774

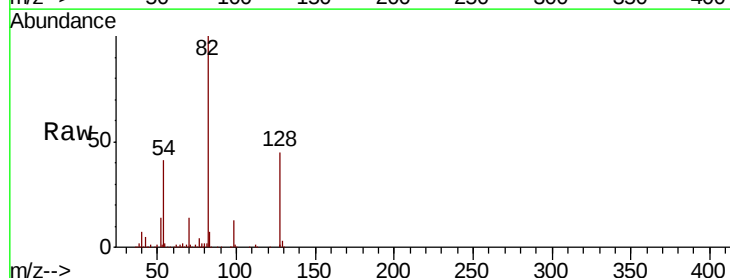
Ion Ratio Lower Upper

70 100

42 38.0 38.0 57.0

101 0.0 8.2 12.4#

130 2.4 18.2 27.4#

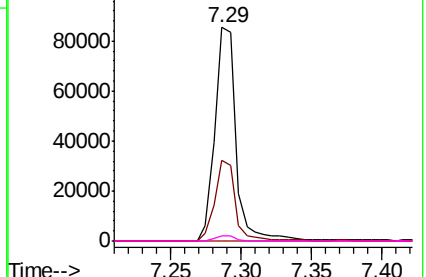
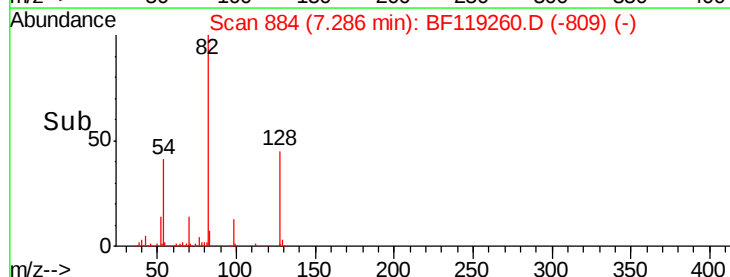


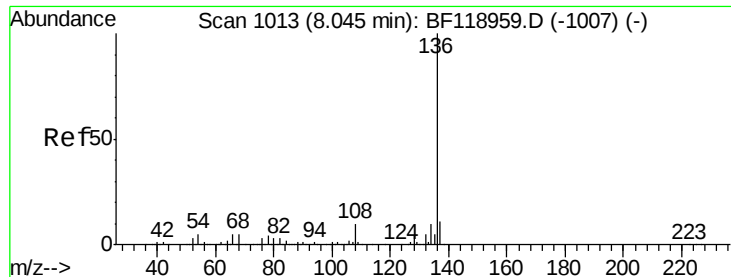
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 383654

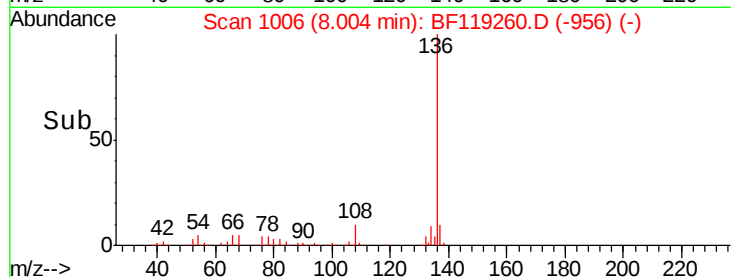
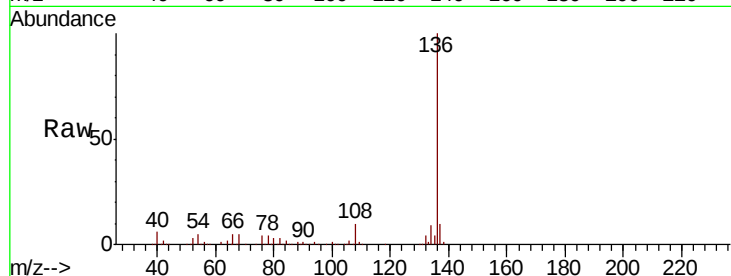
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 4.6 3.8 5.6

68 5.2 3.9 5.9

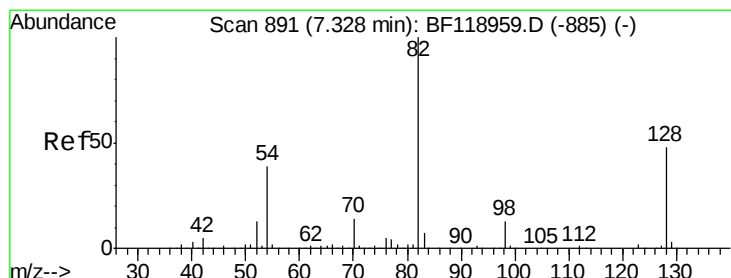
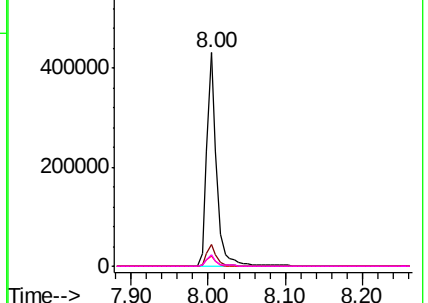


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.678 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

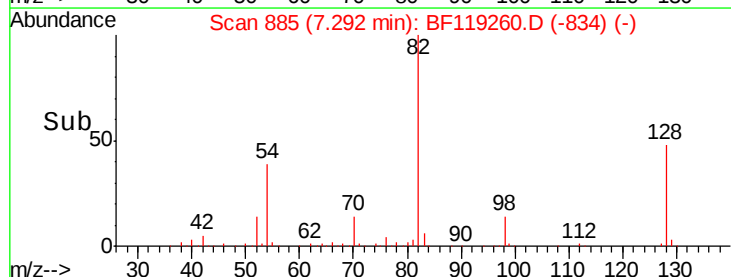
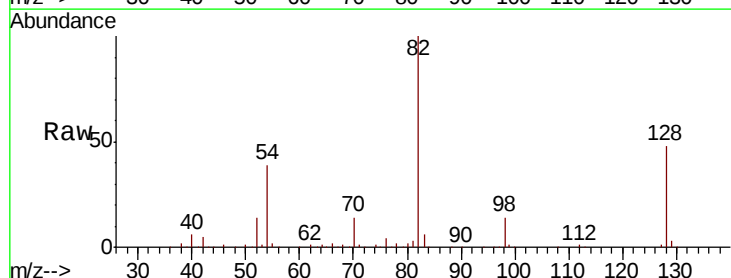
Tgt Ion: 82 Resp: 644351

Ion Ratio Lower Upper

82 100

128 48.4 37.9 56.9

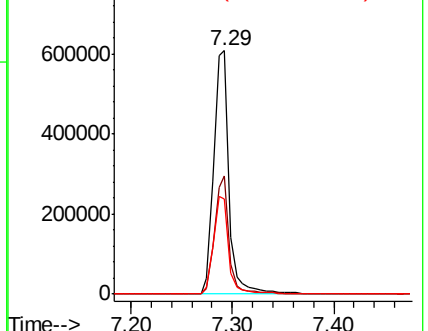
54 38.9 33.4 50.2

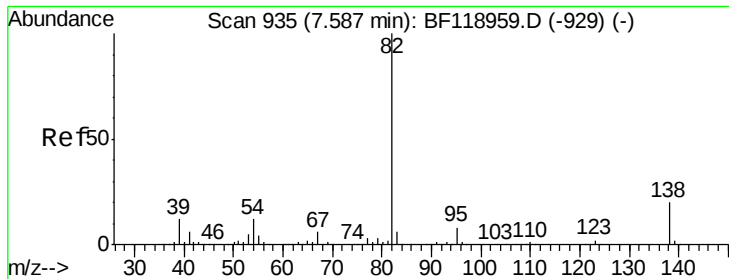


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.061 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

Instrument :

BNA_F

ClientSampleId :

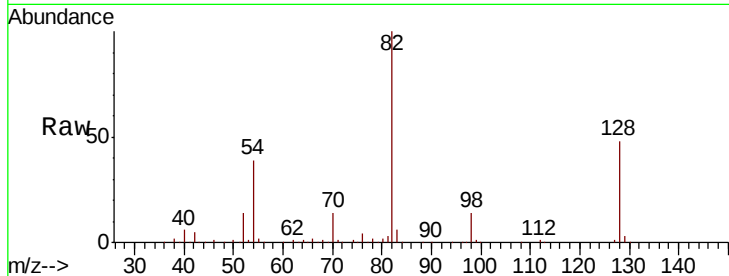
Tot Ion: 82 Resp: 644345

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

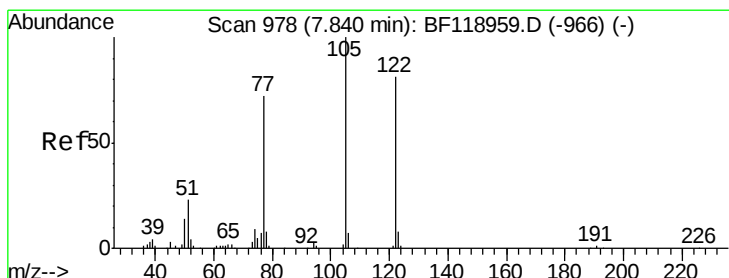
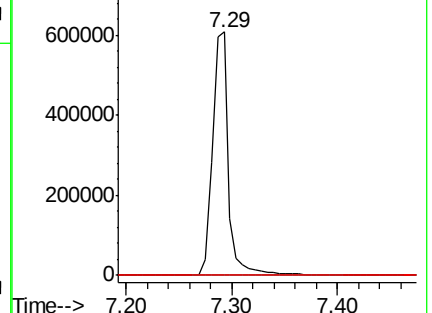
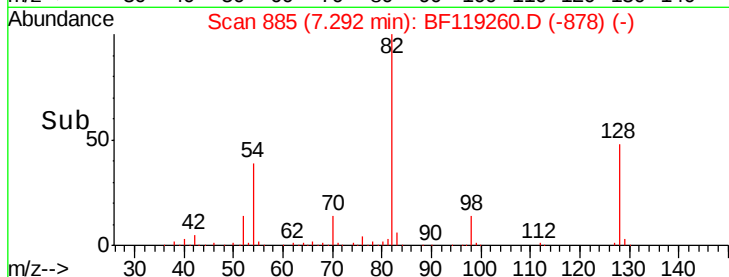
138 0.0 15.7 23.5#



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



#32

Benzoic acid

Concen: 6.766 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.19 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

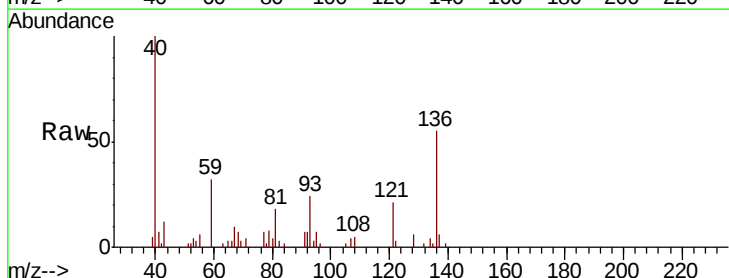
Tgt Ion: 122 Resp: 375

Ion Ratio Lower Upper

122 100

105 61.5 106.3 146.3#

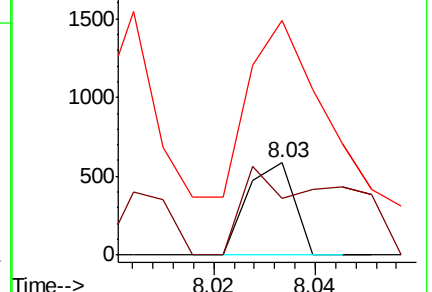
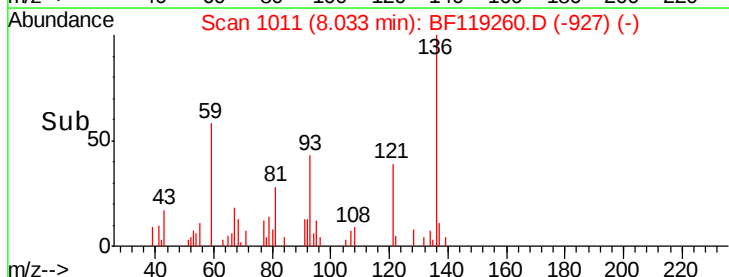
77 255.3 73.1 113.1#

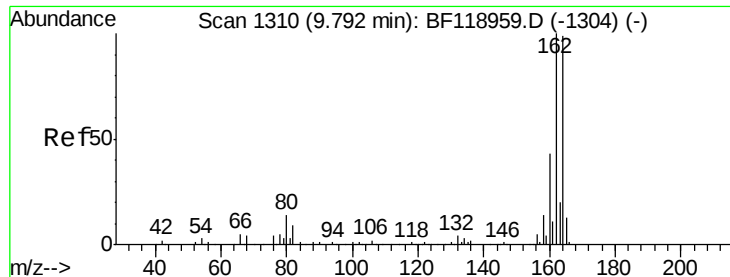


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

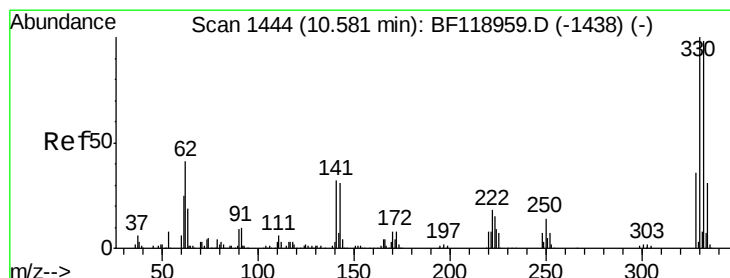
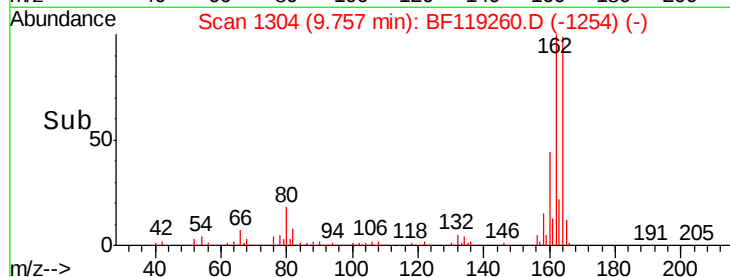
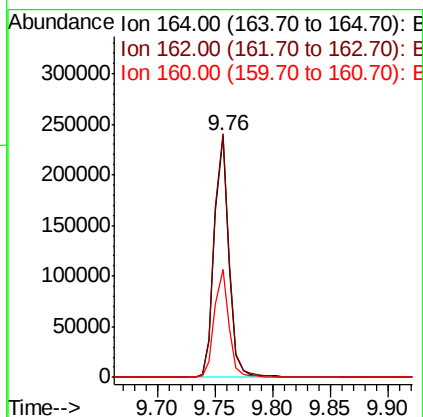
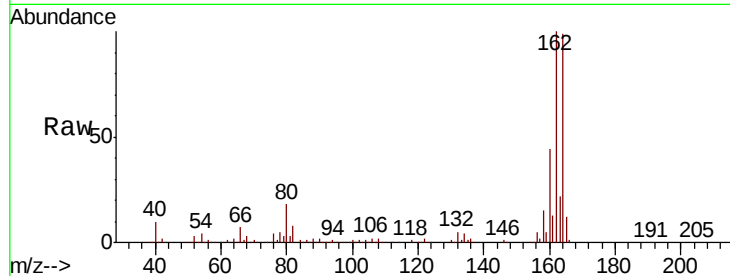




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119260.D
 Acq: 6 Mar 2020 20:11

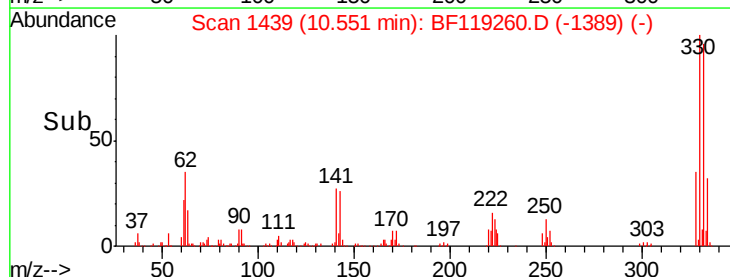
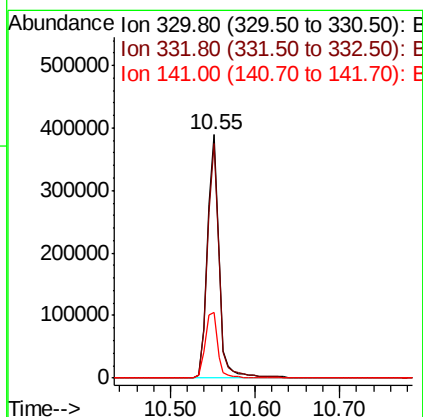
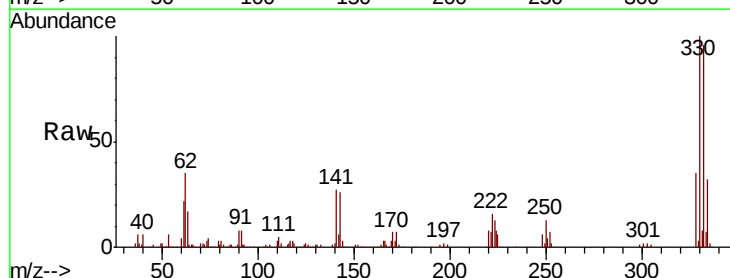
Instrument :
 BNA_F
 ClientSampleId :

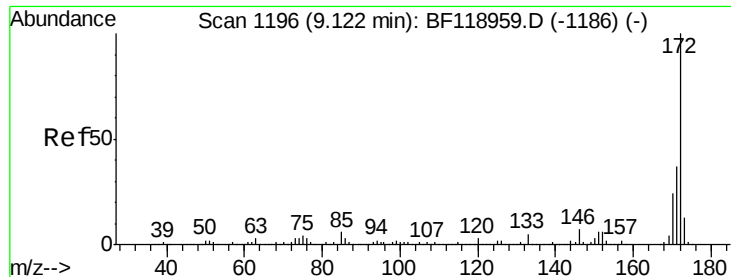
Tot Ion:164 Resp: 208456
 Ion Ratio Lower Upper
 164 100
 162 100.9 81.8 122.8
 160 44.8 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 138.005 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119260.D
 Acq: 6 Mar 2020 20:11

Tgt Ion:330 Resp: 376333
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.0 114.0
 141 29.6 22.9 34.3

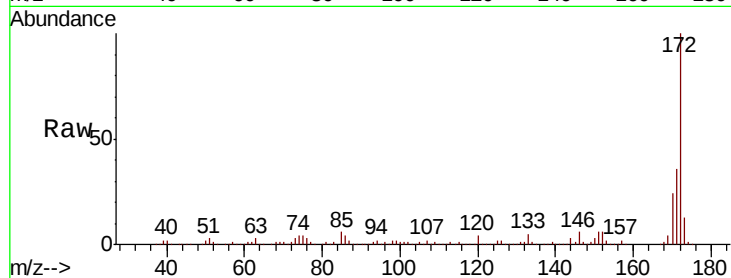




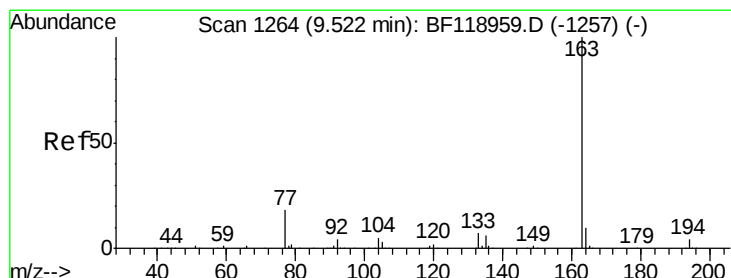
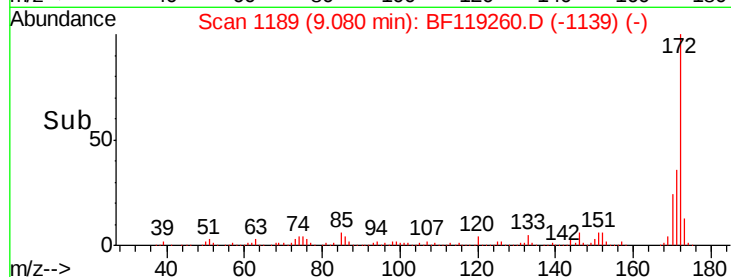
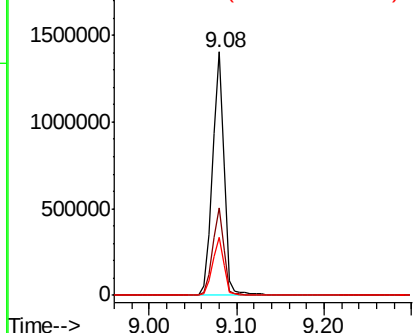
#45
2-Fluorobiphenyl
Concen: 92.161 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119260.D
Acq: 6 Mar 2020 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1304086
Ion Ratio Lower Upper
172 100
171 35.8 30.6 45.8
170 24.0 20.2 30.2

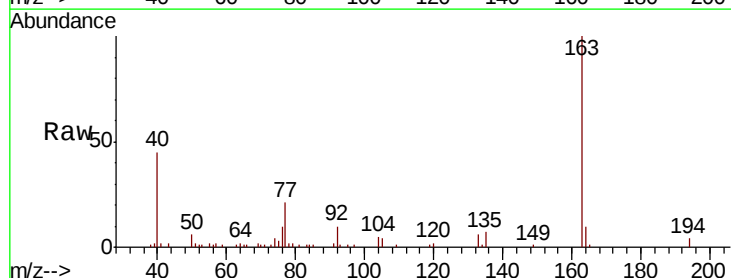


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

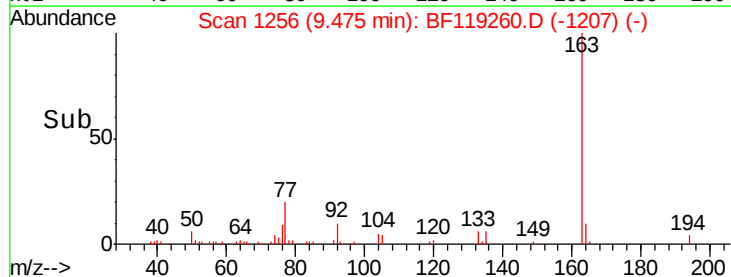
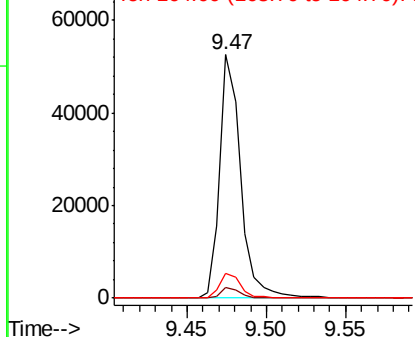


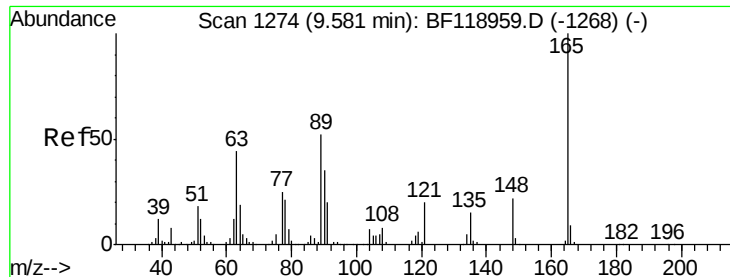
#50
Dimethylphthalate
Concen: 3.023 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF119260.D
Acq: 6 Mar 2020 20:11

Tgt Ion:163 Resp: 48187
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.1 8.4 12.6



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: 7.392 ng

RT: 9.76 min Scan# 1304

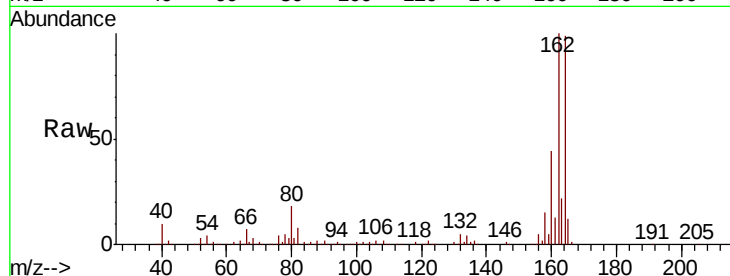
Delta R.T. 0.20 min

Lab File: BF119260.D

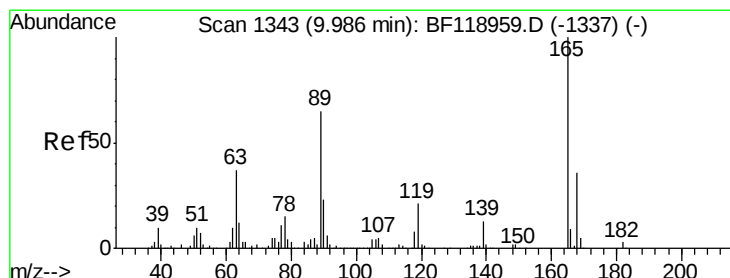
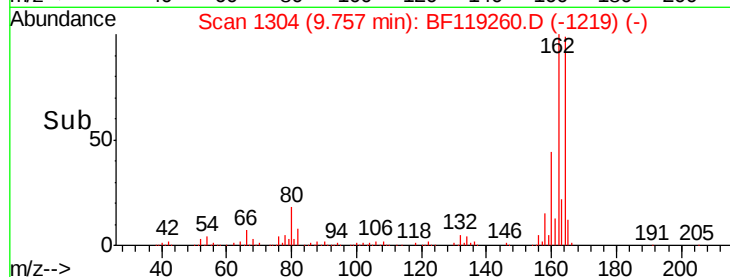
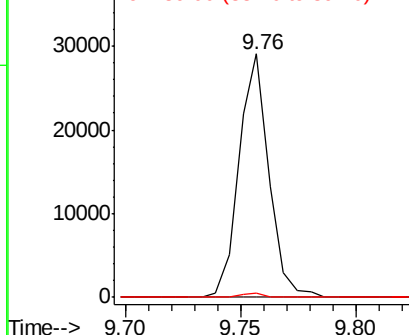
Acq: 6 Mar 2020 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	26178
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.7	38.3	57.5#



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



#57

2,4-Dinitrotoluene

Concen: 5.703 ng

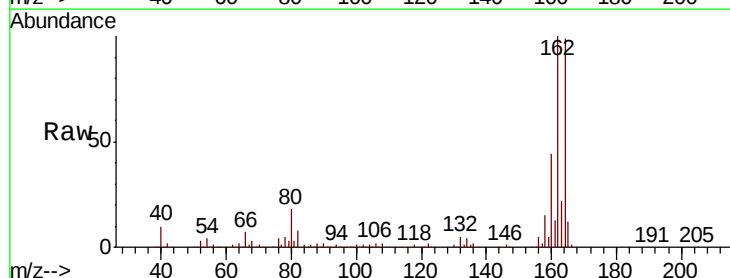
RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

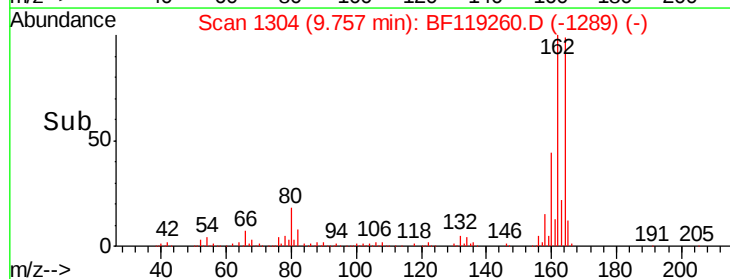
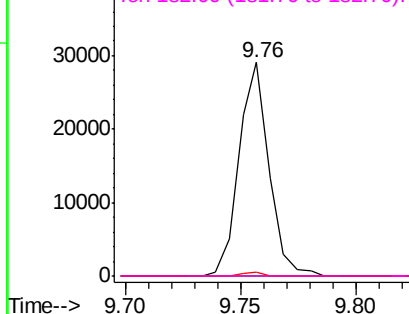
Lab File: BF119260.D

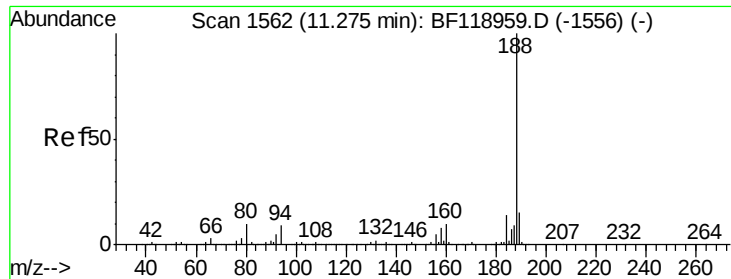
Acq: 6 Mar 2020 20:11

Tgt Ion:	165	Resp:	26178
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.3	63.5#
89	1.7	60.2	90.4#
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: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

Instrument :

BNA_F

ClientSampled :

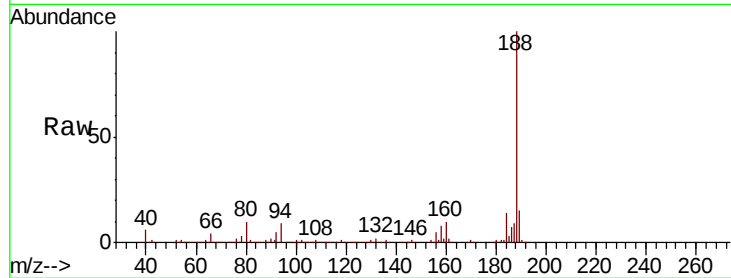
Tot Ion:188 Resp: 388826

Ion Ratio Lower Upper

188 100

94 9.0 7.1 10.7

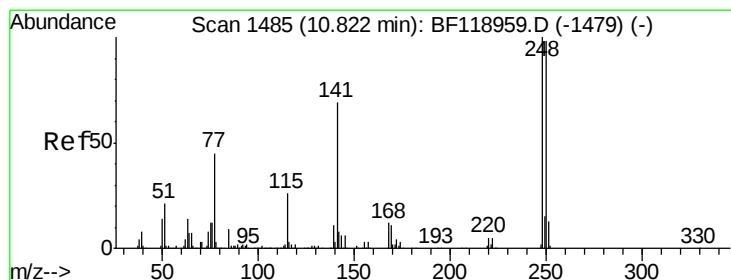
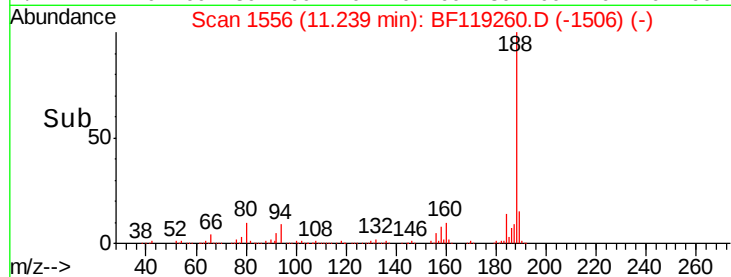
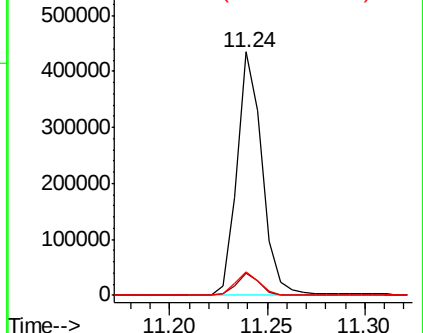
80 9.7 7.8 11.8



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: 4.838 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF119260.D

Acq: 6 Mar 2020 20:11

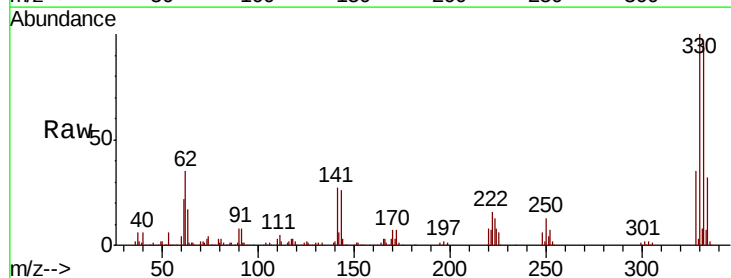
Tgt Ion:248 Resp: 24587

Ion Ratio Lower Upper

248 100

250 211.6 76.7 115.1#

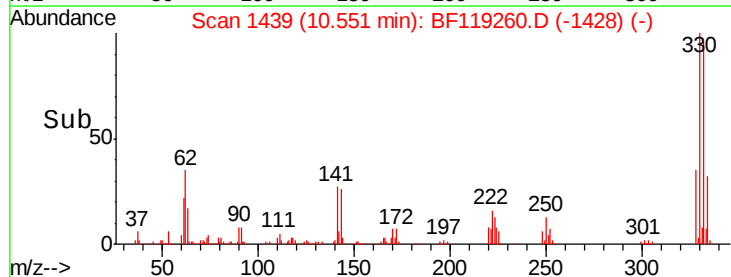
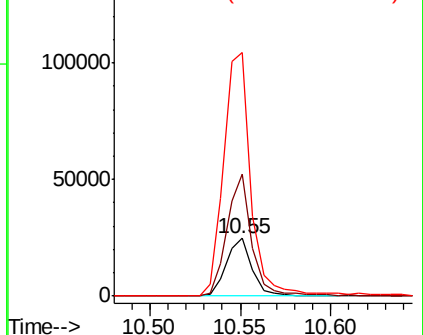
141 421.6 60.7 91.1#

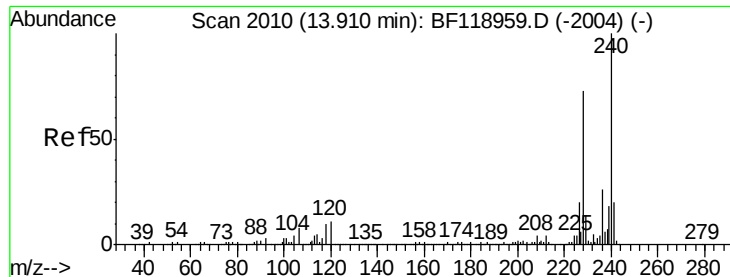


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

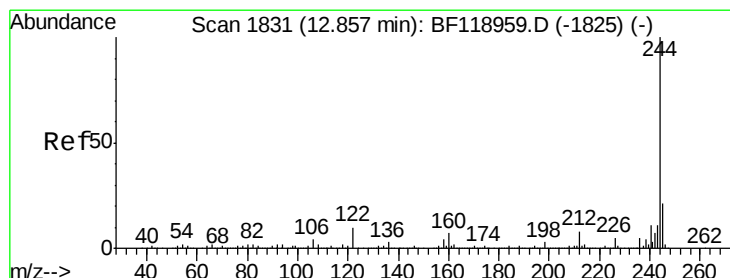
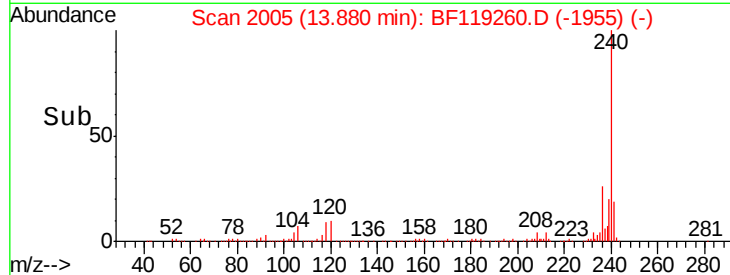
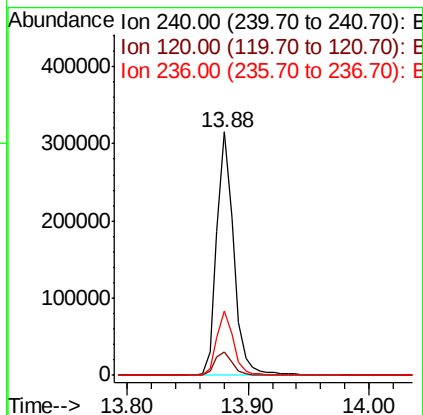
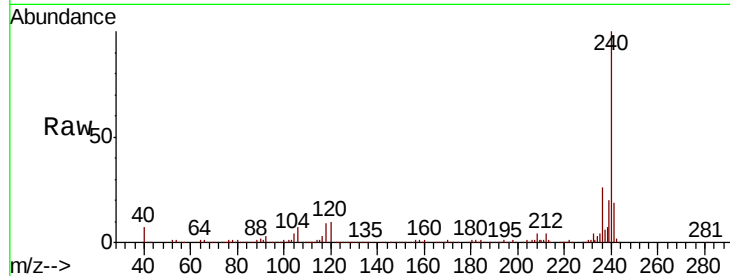




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF119260.D
Acq: 6 Mar 2020 20:11

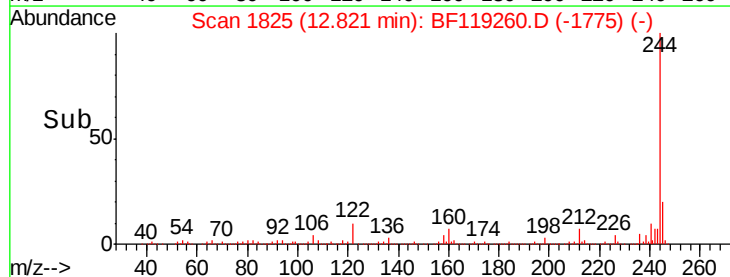
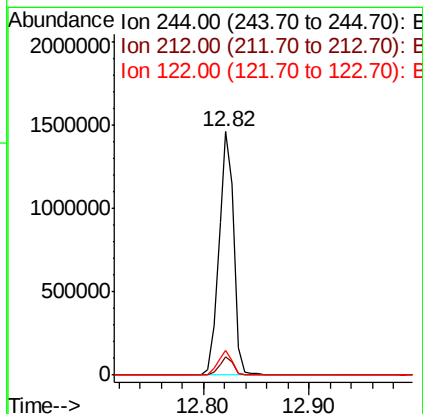
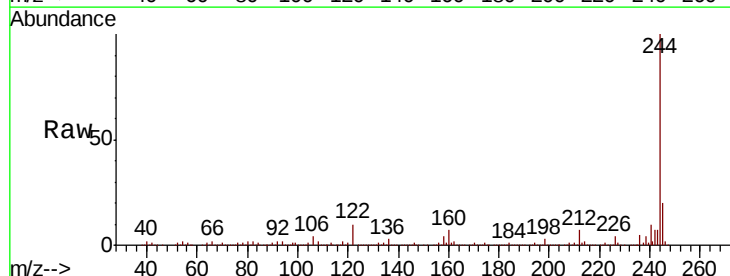
Instrument :
BNA_F
ClientSampleId :

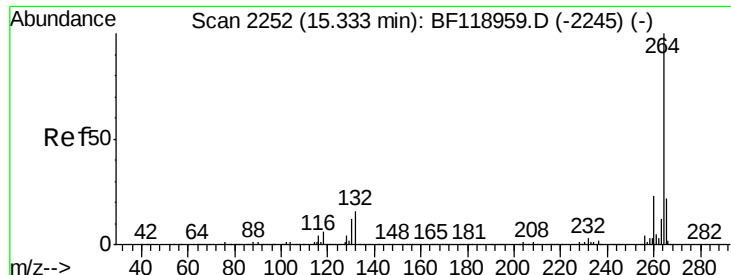
Tot Ion:240 Resp: 304937
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 26.3 21.0 31.4



#79
Terphenyl-d14
Concen: 81.320 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119260.D
Acq: 6 Mar 2020 20:11

Tgt Ion:244 Resp: 1440316
Ion Ratio Lower Upper
244 100
212 7.4 6.6 10.0
122 10.4 8.2 12.2

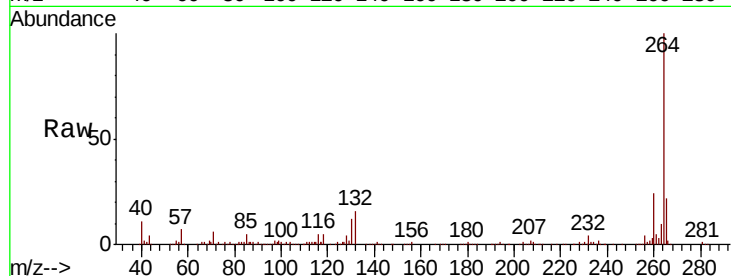




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF119260.D
Acq: 6 Mar 2020 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.1	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

