

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119109.D
 Acq On : 27 Feb 2020 14:43
 Operator : CG/JU
 Sample : L1688-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:54:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	130955	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	511860	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	263693	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	456309	20.00	ng	0.00
76) Chrysene-d12	13.90	240	339120	20.00	ng	0.00
87) Perylene-d12	15.33	264	343532	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	716534	91.44	ng	0.00
7) Phenol-d6	6.39	99	874605	91.77	ng	-0.02
23) Nitrobenzene-d5	7.30	82	586967	60.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	224069	64.96	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	940361	52.54	ng	-0.01
79) Terphenyl-d14	12.84	244	818138	41.54	ng	-0.01

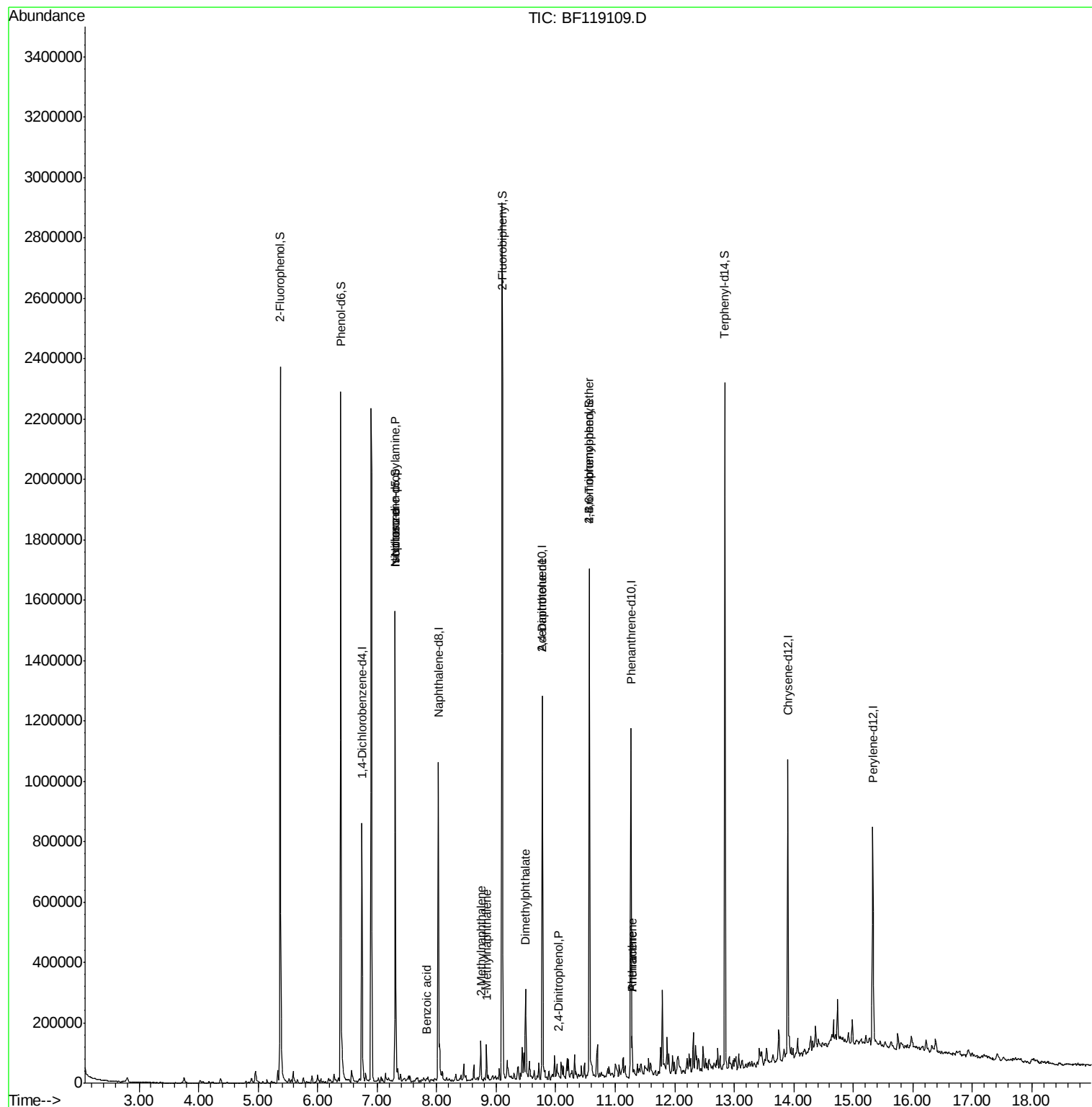
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	81555	14.686	ng	# 74
25) Isophorone	7.30	82	574685	34.134	ng	# 63
32) Benzoic acid	7.83	122	388	6.746	ng	# 6
37) 2-Methylnaphthalene	8.74	142	36753	2.057	ng	97
38) 1-Methylnaphthalene	8.83	142	35559	2.117	ng	99
50) Dimethylphthalate	9.49	163	113395	5.624	ng	99
54) 2,4-Dinitrophenol	10.06	184	466	7.669	ng	# 23
57) 2,4-Dinitrotoluene	9.77	165	35441	6.103	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	14054	2.356	ng	# 1
71) Phenanthrene	11.29	178	50608	2.034	ng	96
72) Anthracene	11.29	178	50608	2.035	ng	96

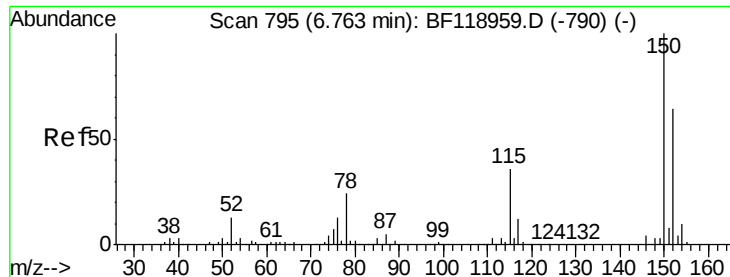
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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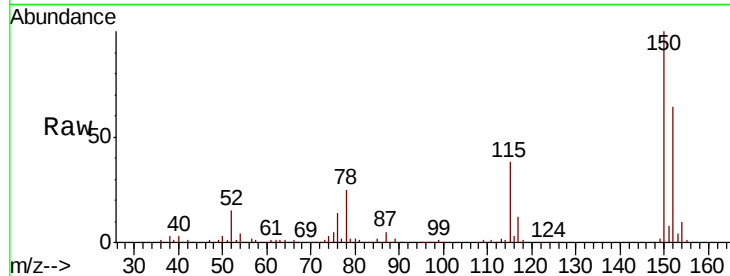


#1

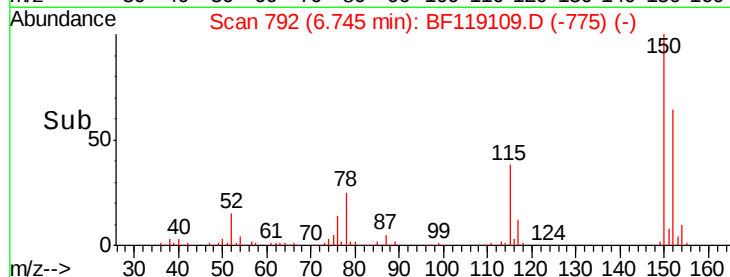
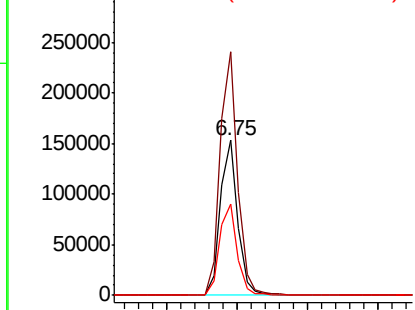
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.0	184.6
115	59.2	49.5	74.3



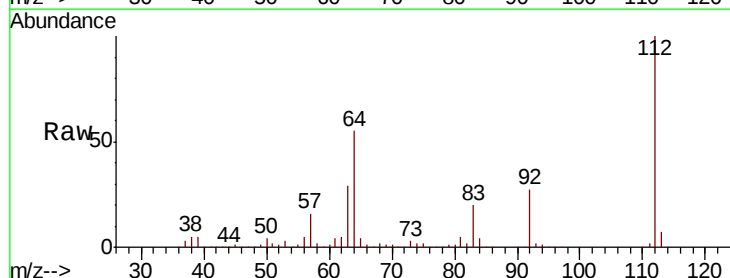
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



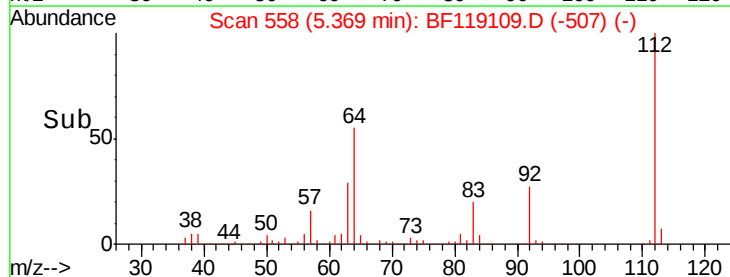
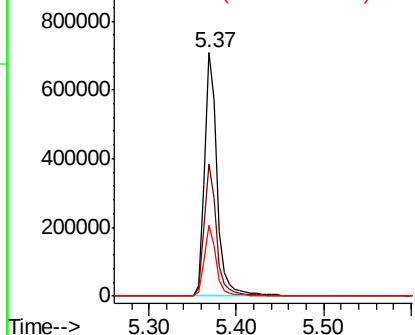
#5

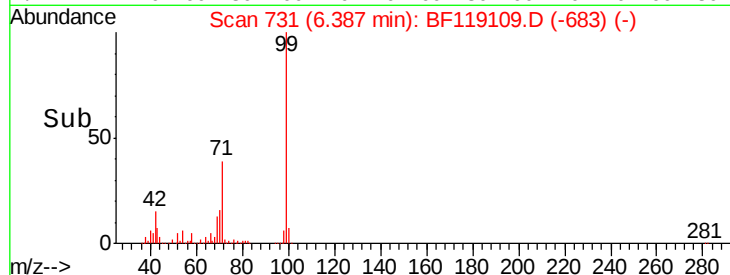
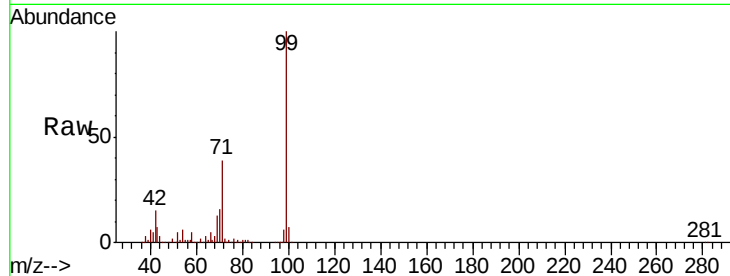
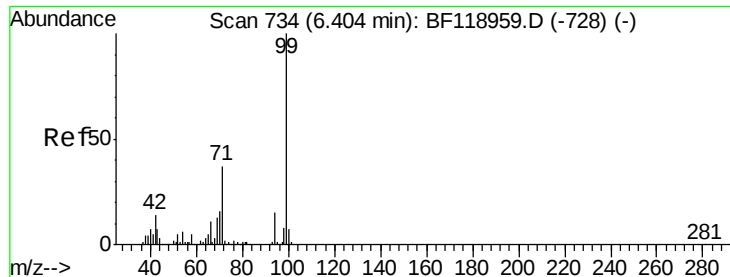
2-Fluorophenol
Concen: 91.440 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.0	67.4
63	29.3	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: 91.773 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Instrument :

BNA_F

ClientSampleId :

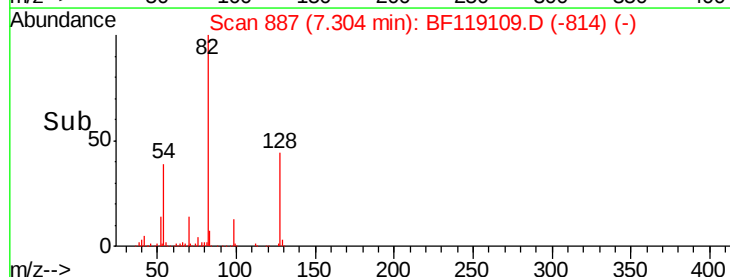
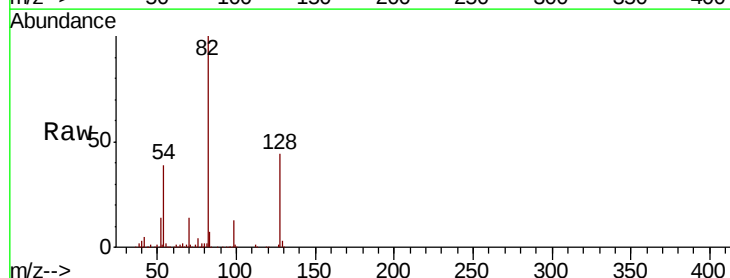
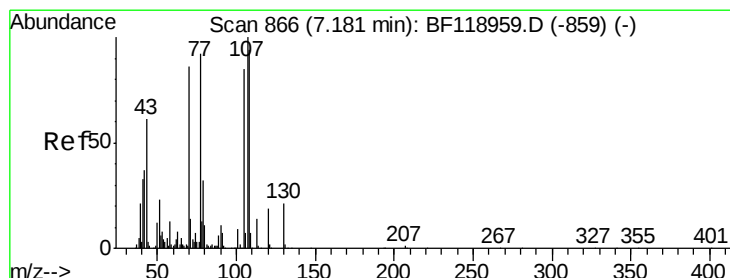
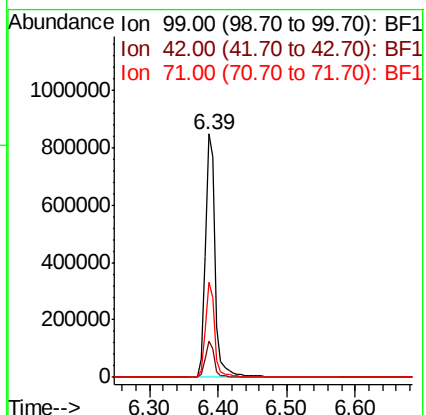
Tot Ion: 99 Resp: 874605

Ion Ratio Lower Upper

99 100

42 14.9 12.6 18.8

71 39.1 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.686 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Tgt Ion: 70 Resp: 81555

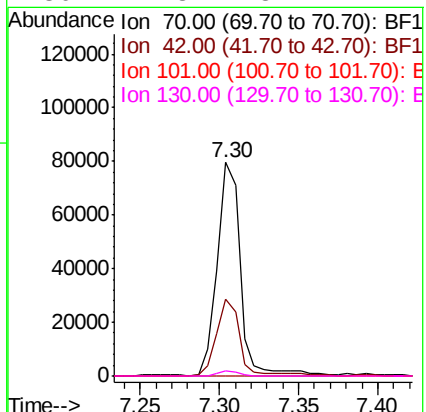
Ion Ratio Lower Upper

70 100

42 36.0 38.0 57.0#

101 0.0 8.2 12.4#

130 2.3 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 511860

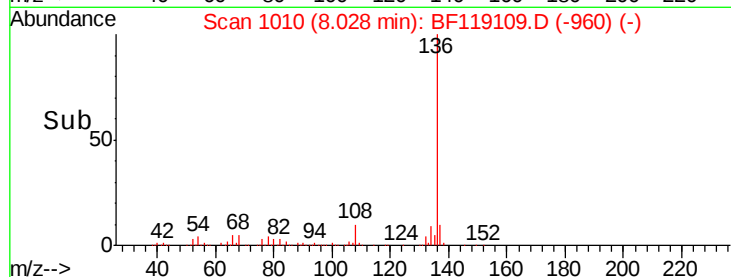
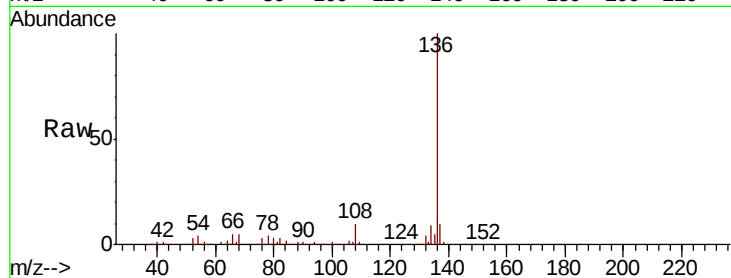
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 4.5 3.8 5.6

68 4.9 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

8.03

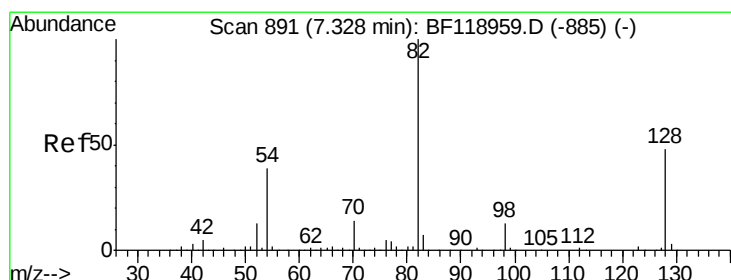
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 60.548 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

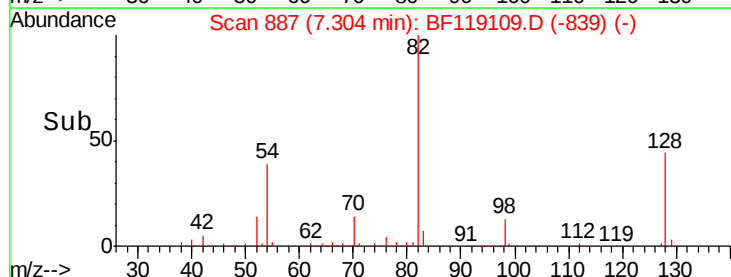
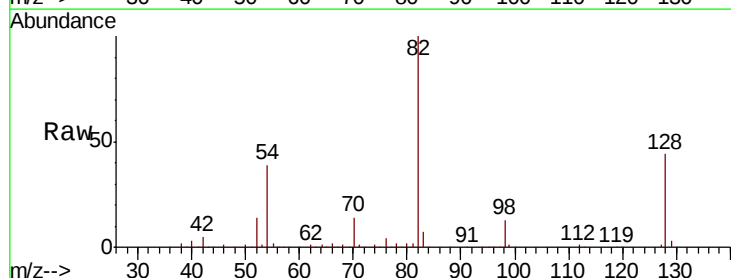
Tgt Ion: 82 Resp: 586967

Ion Ratio Lower Upper

82 100

128 44.3 37.9 56.9

54 39.4 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

7.30

600000

400000

200000

0

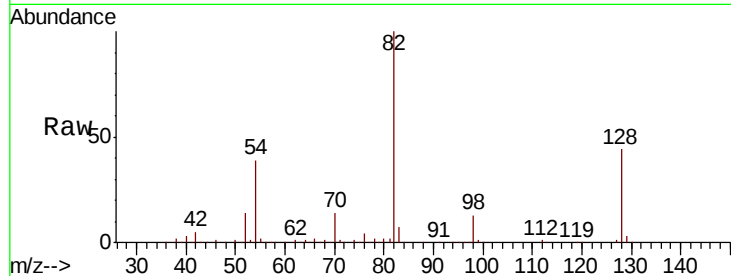
Time-->



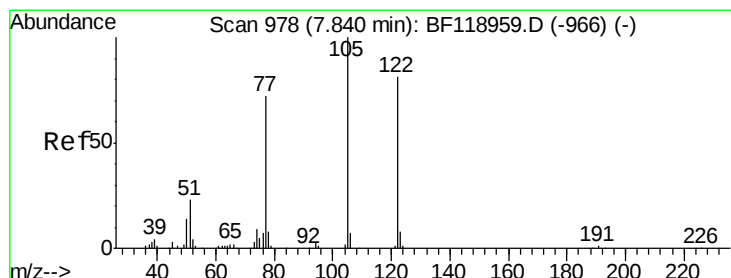
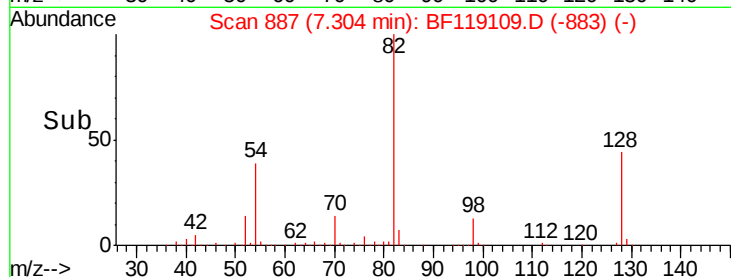
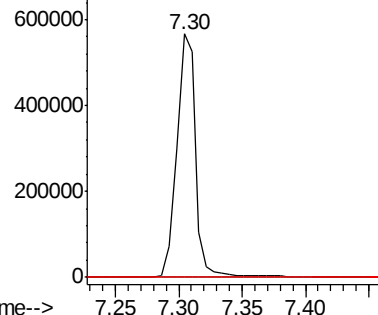
#25
Isophorone
Concen: 34.134 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 574685
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 15.7 23.5#

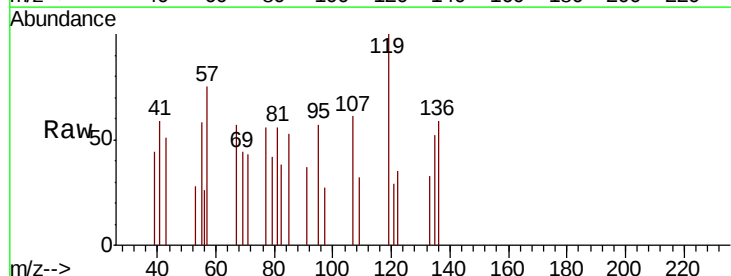


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

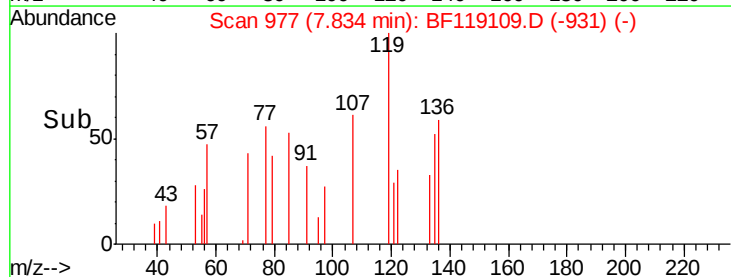
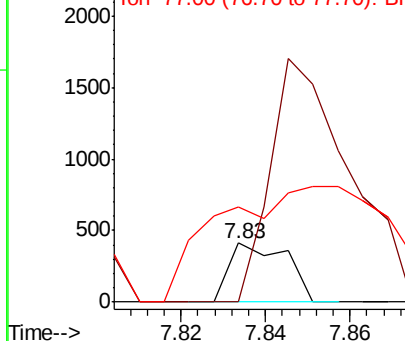


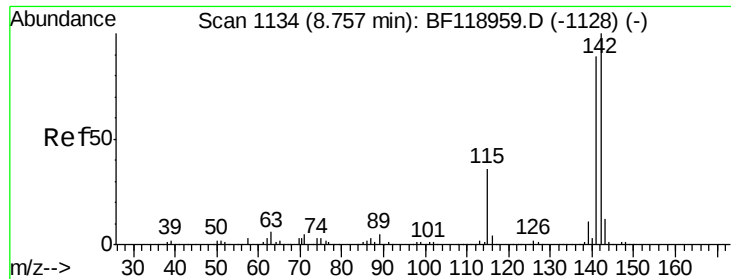
#32
Benzoic acid
Concen: 6.746 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.03 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Tgt Ion: 122 Resp: 388
Ion Ratio Lower Upper
122 100
105 0.0 106.3 146.3#
77 161.3 73.1 113.1#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

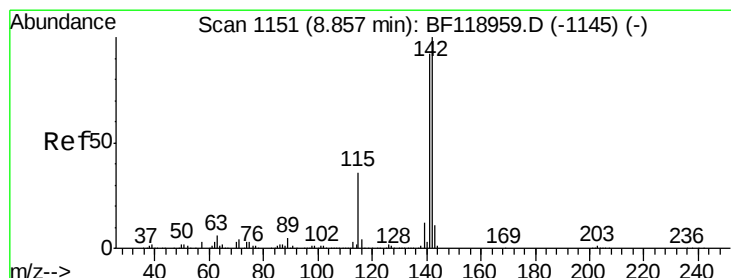
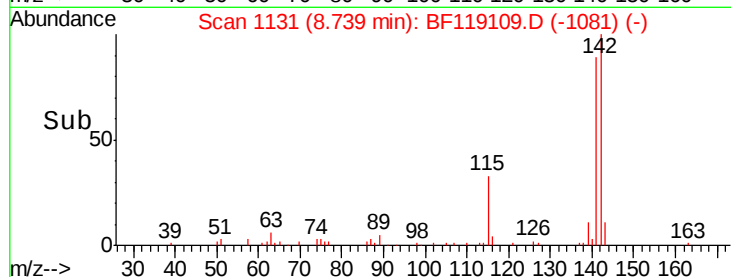
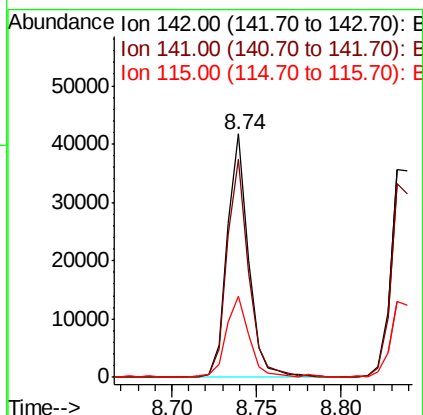
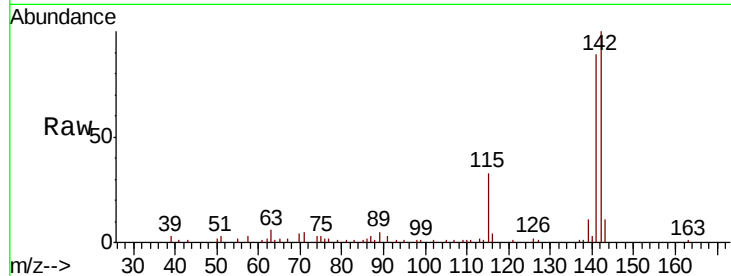




#37
2-Methylnaphthalene
Concen: 2.057 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

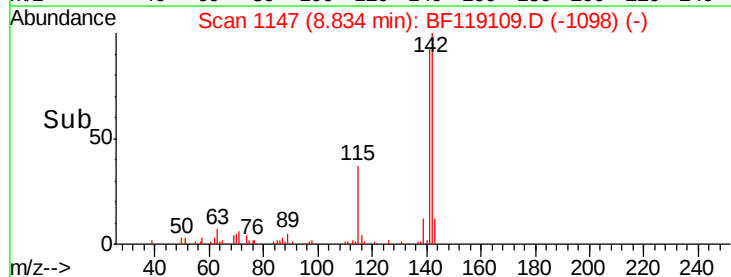
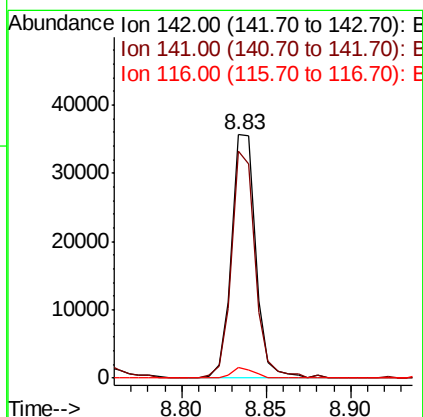
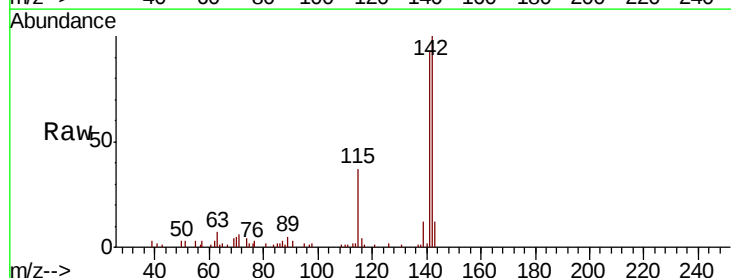
Instrument :
BNA_F
ClientSampleId :

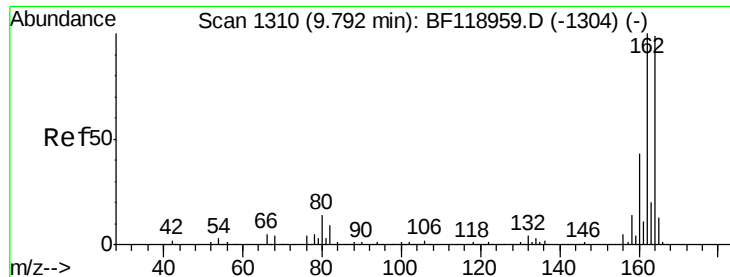
Tot Ion:142 Resp: 36753
Ion Ratio Lower Upper
142 100
141 89.5 72.3 108.5
115 33.4 30.6 45.8



#38
1-Methylnaphthalene
Concen: 2.117 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Tgt Ion:142 Resp: 35559
Ion Ratio Lower Upper
142 100
141 93.4 75.8 113.6
116 4.2 3.1 4.7

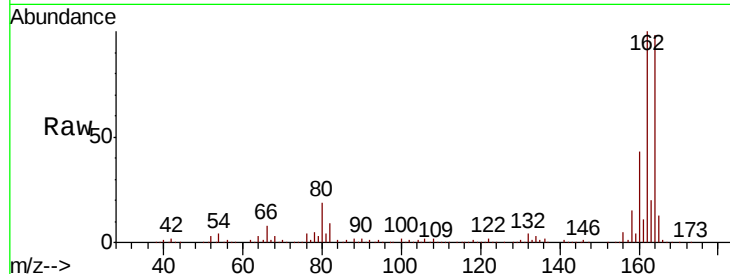




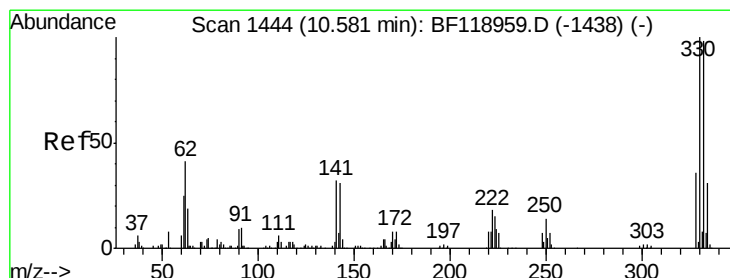
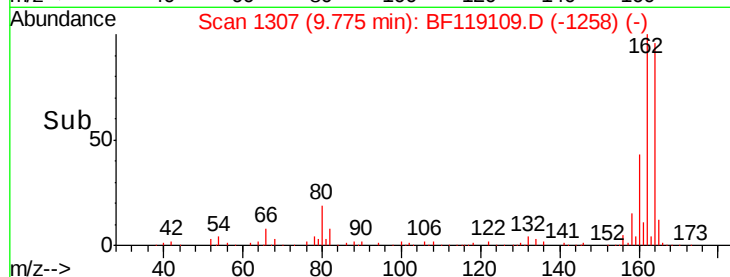
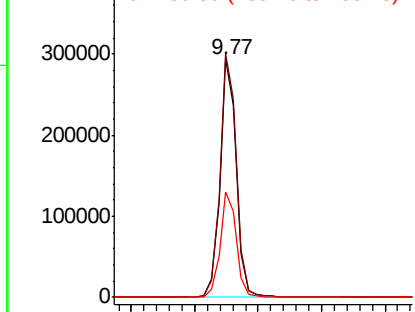
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 263693
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.8
160 44.1 36.0 54.0

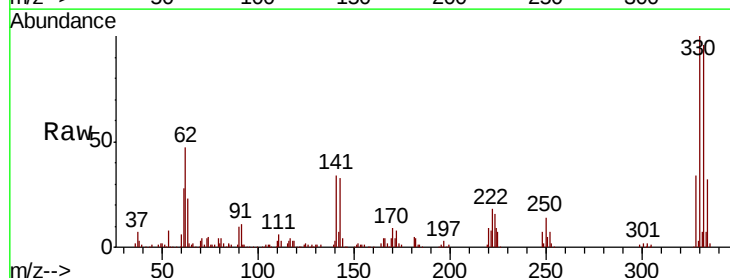


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

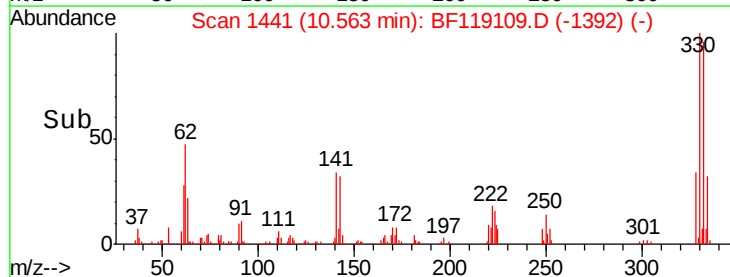
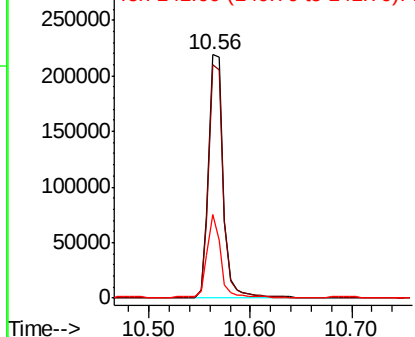


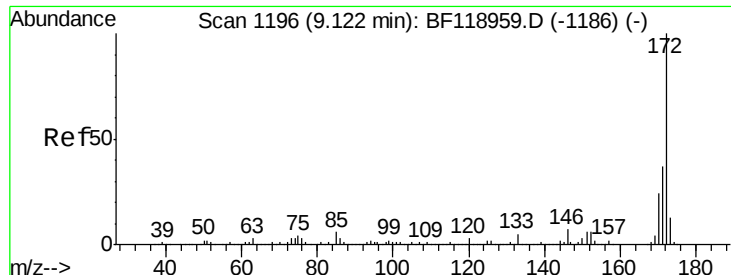
#42
2,4,6-Tribromophenol
Concen: 64.956 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Tgt Ion:330 Resp: 224069
Ion Ratio Lower Upper
330 100
332 95.6 76.0 114.0
141 32.0 22.9 34.3



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

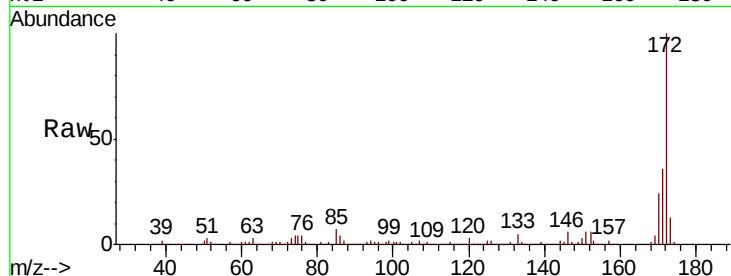




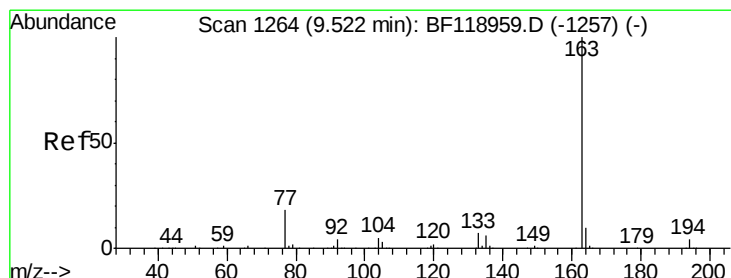
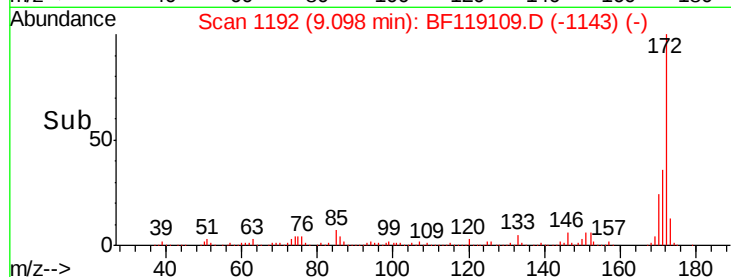
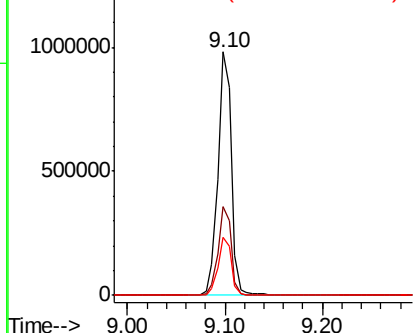
#45
2-Fluorobiphenyl
Concen: 52.535 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 940361
Ion Ratio Lower Upper
172 100
171 36.2 30.6 45.8
170 23.8 20.2 30.2

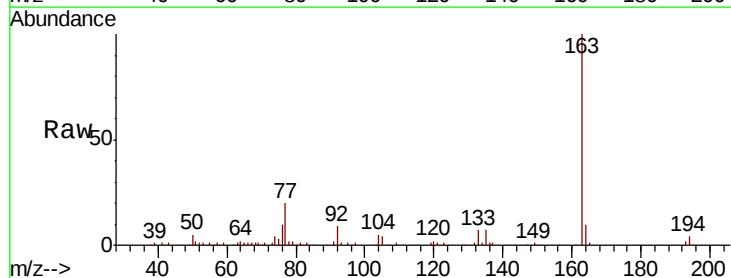


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

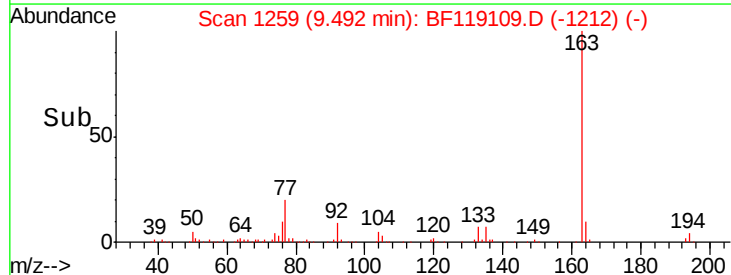
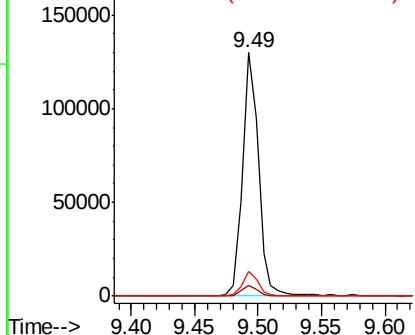


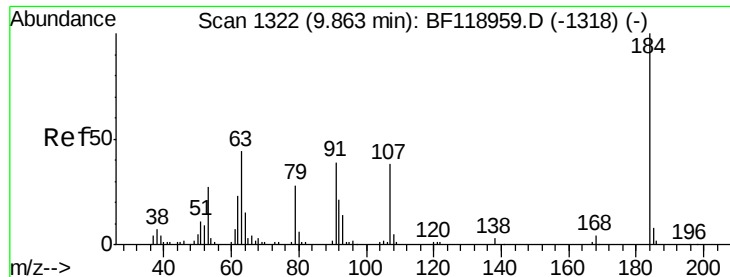
#50
Dimethylphthalate
Concen: 5.624 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119109.D
Acq: 27 Feb 2020 14:43

Tgt Ion:163 Resp: 113395
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.0 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





#54

2,4-Dinitrophenol

Concen: 7.669 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.19 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Instrument :

BNA_F

ClientSampleId :

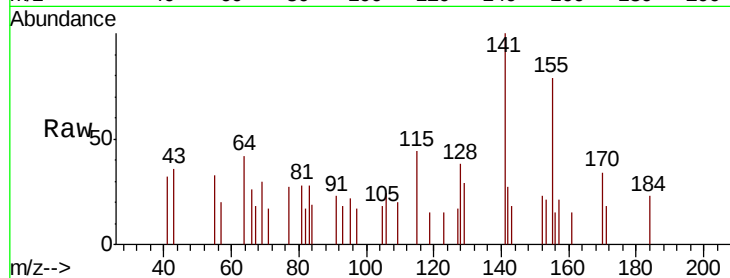
Tot Ion:184 Resp: 466

Ion Ratio Lower Upper

184 100

63 0.0 38.7 58.1#

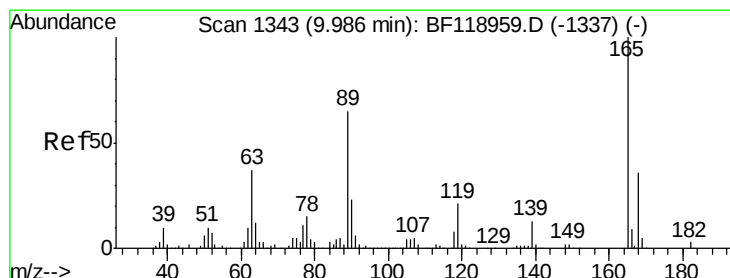
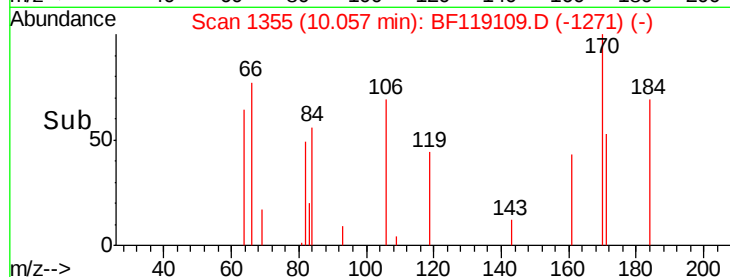
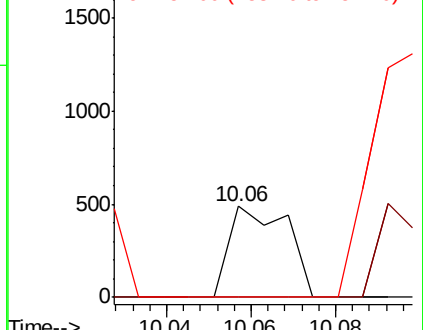
154 0.0 49.7 74.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 6.103 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Tgt Ion:165 Resp: 35441

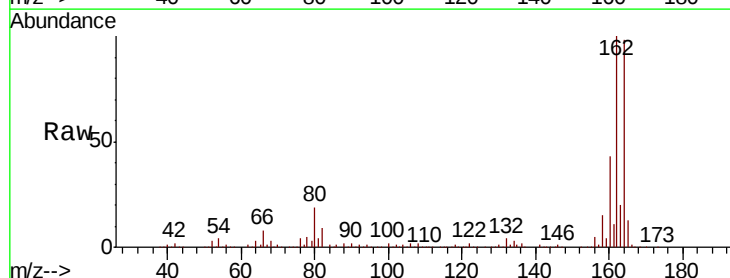
Ion Ratio Lower Upper

165 100

63 1.3 42.3 63.5#

89 1.3 60.2 90.4#

182 0.0 2.3 3.5#

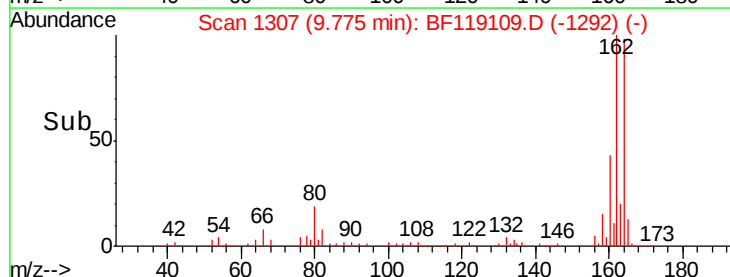
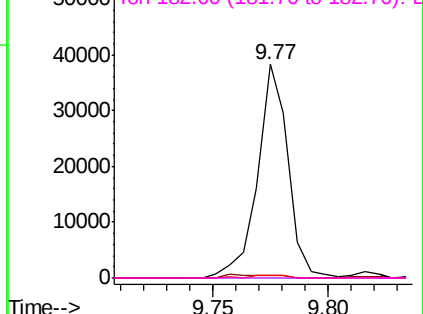


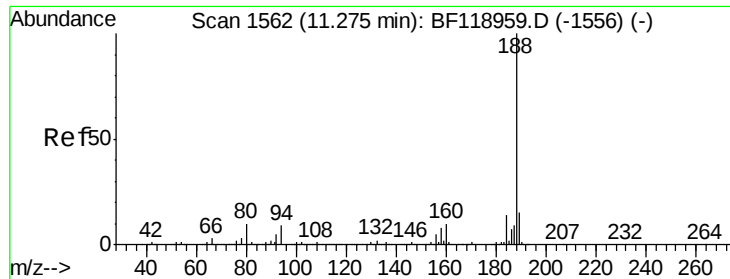
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Instrument :

BNA_F

ClientSampleId :

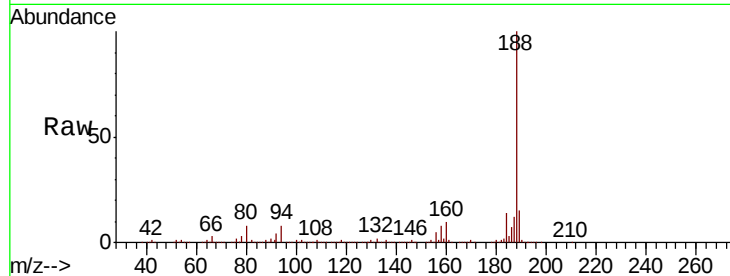
Tot Ion:188 Resp: 456309

Ion Ratio Lower Upper

188 100

94 8.0 7.1 10.7

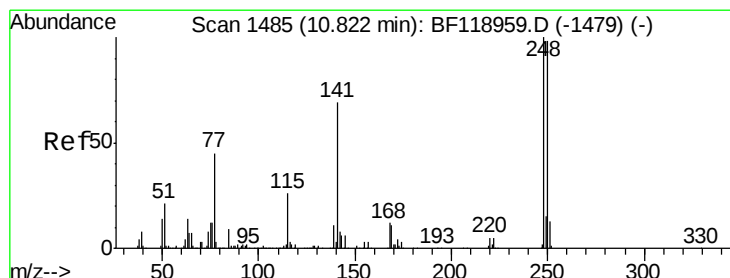
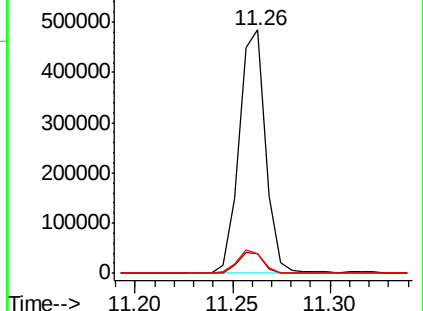
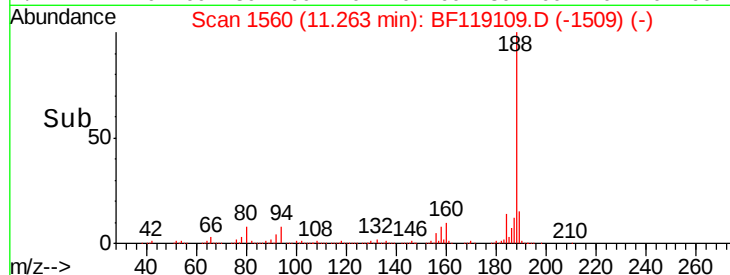
80 8.2 7.8 11.8



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: 2.356 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

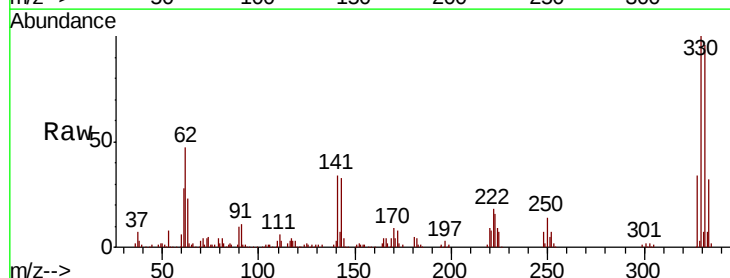
Tgt Ion:248 Resp: 14054

Ion Ratio Lower Upper

248 100

250 215.2 76.7 115.1#

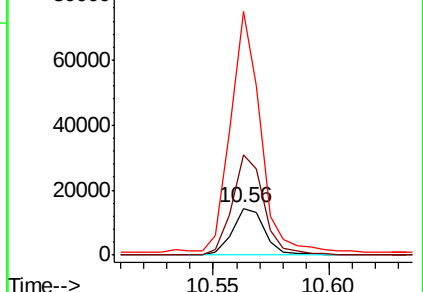
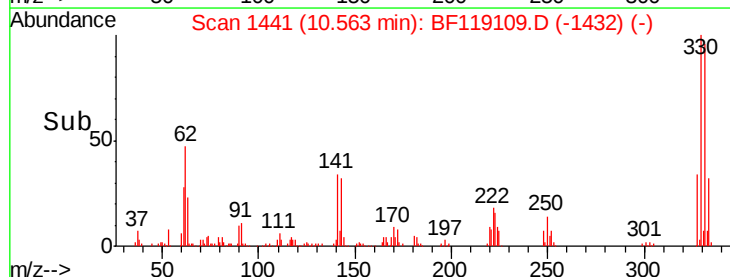
141 519.4 60.7 91.1#

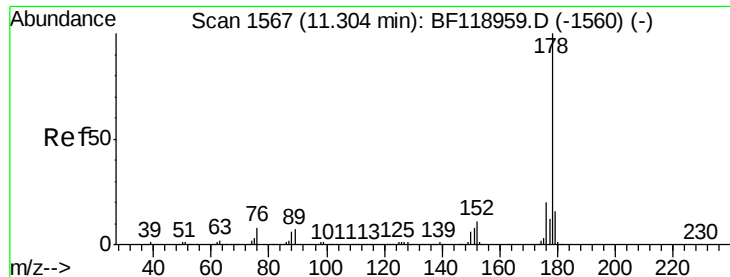


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.034 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

Instrument :

BNA_F

ClientSampleId :

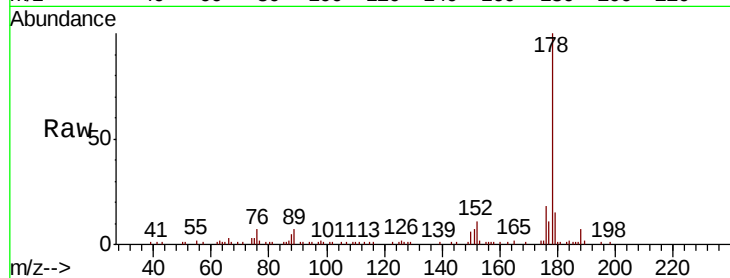
Tot Ion:178 Resp: 50608

Ion Ratio Lower Upper

178 100

176 18.2 16.5 24.7

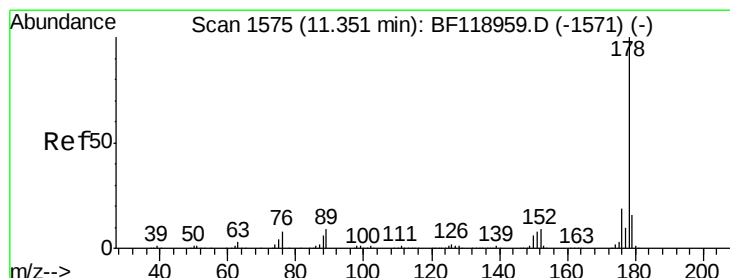
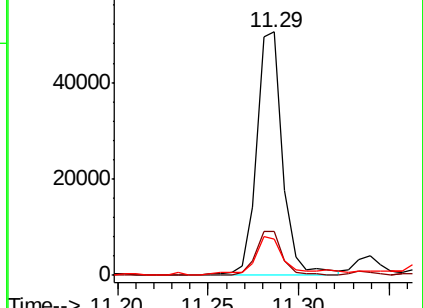
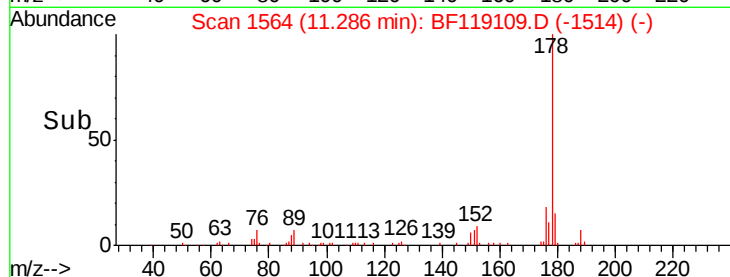
179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.035 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.06 min

Lab File: BF119109.D

Acq: 27 Feb 2020 14:43

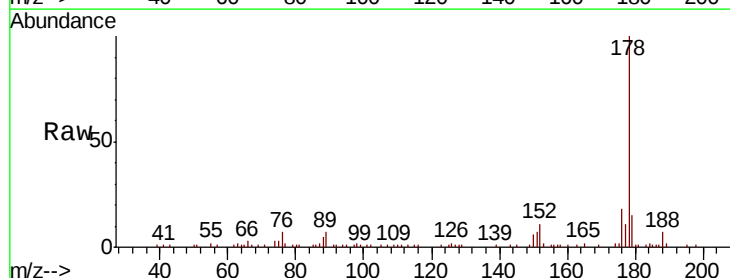
Tgt Ion:178 Resp: 50608

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

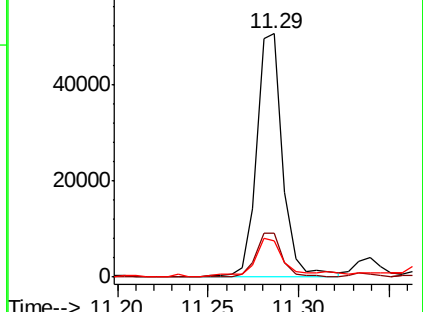
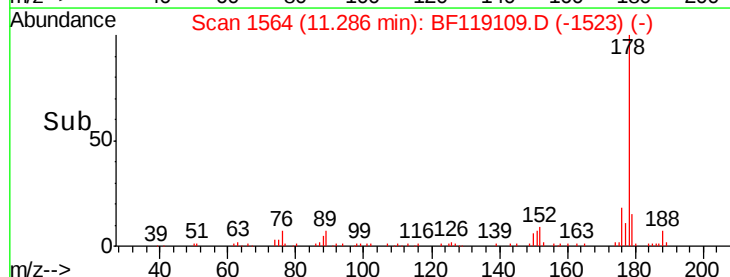
179 15.0 13.1 19.7

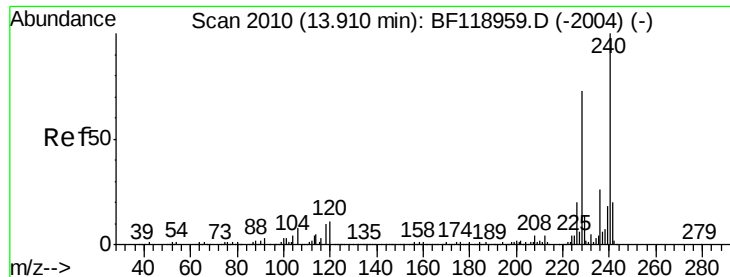


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

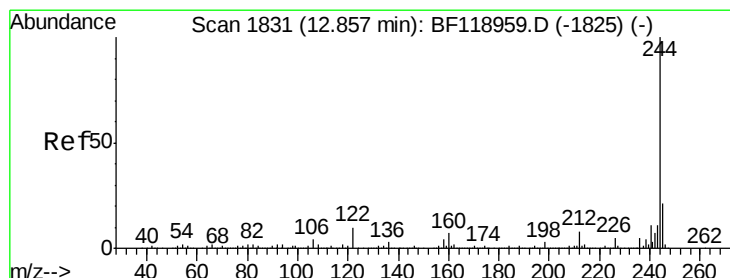
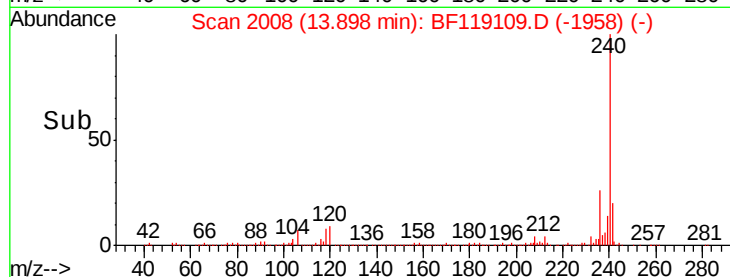
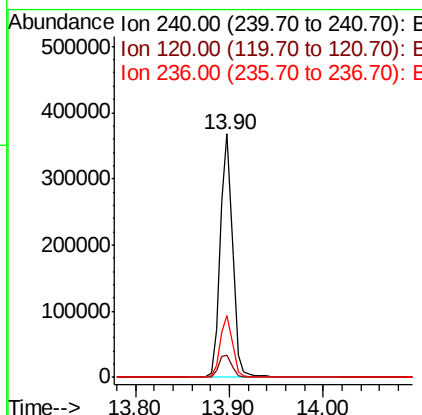
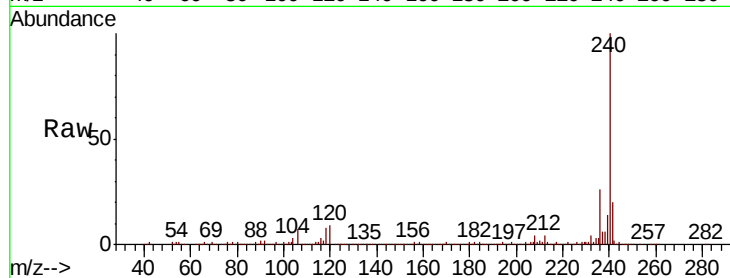




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119109.D
 Acq: 27 Feb 2020 14:43

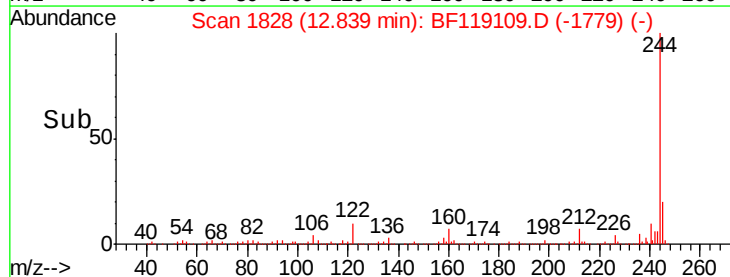
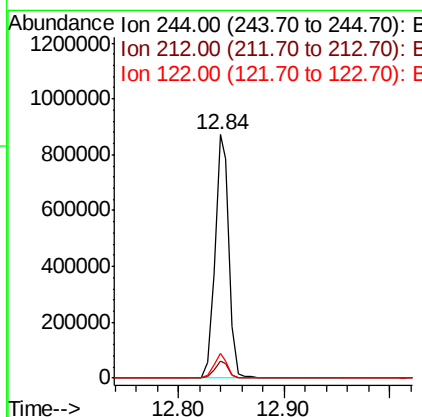
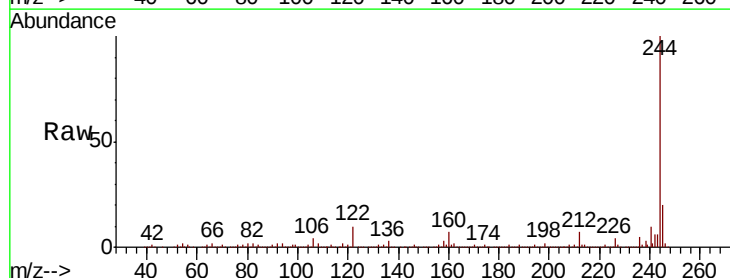
Instrument :
 BNA_F
 ClientSampleId :

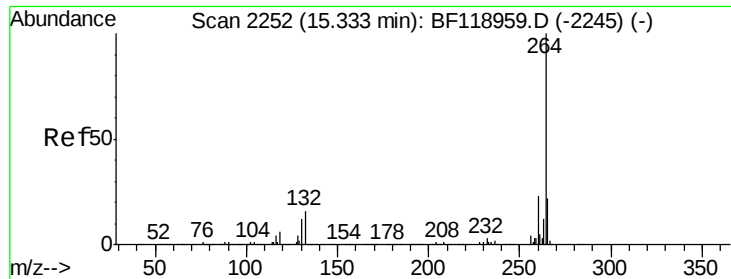
Tot Ion:240 Resp: 339120
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.4 12.6
 236 25.6 21.0 31.4



#79
 Terphenyl-d14
 Concen: 41.536 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF119109.D
 Acq: 27 Feb 2020 14:43

Tgt Ion:244 Resp: 818138
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.6 10.0
 122 10.3 8.2 12.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF119109.D
 Acq: 27 Feb 2020 14:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	22.1	17.7	26.5

