

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119897.D
 Acq On : 10 Apr 2020 16:25
 Operator : MA/SJ
 Sample : L2178-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Quant Time: Apr 11 01:42:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

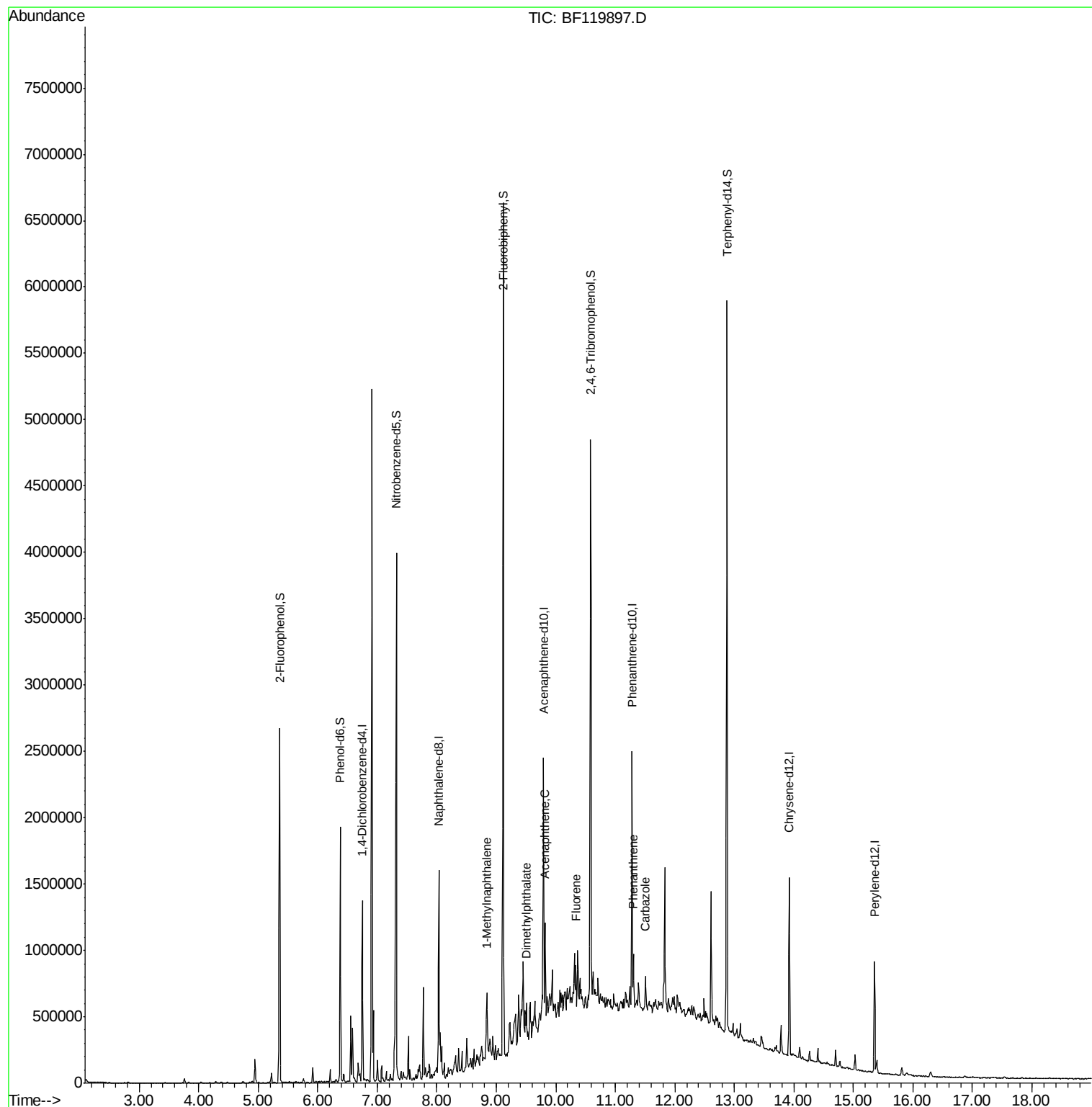
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	184617	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	710113	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	374707	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	667638	20.00	ng	0.00
76) Chrysene-d12	13.92	240	438737	20.00	ng	0.00
87) Perylene-d12	15.36	264	362992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	754572	70.63	ng	0.00
7) Phenol-d6	6.38	99	594107	43.16	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1316721	95.93	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	606290	132.16	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	2368069	89.73	ng	0.00
79) Terphenyl-d14	12.87	244	2258330	86.61	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.85	142	115964	4.857	ng	96
50) Dimethylphthalate	9.51	163	76505	2.640	ng	98
52) Acenaphthene	9.82	154	112867	4.566	ng	96
58) Fluorene	10.34	166	69789	2.573	ng	97
71) Phenanthrene	11.30	178	86134	2.424	ng	96
73) Carbazole	11.51	167	102901	2.998	ng	96

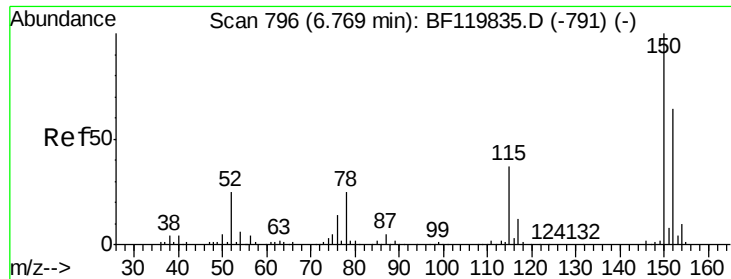
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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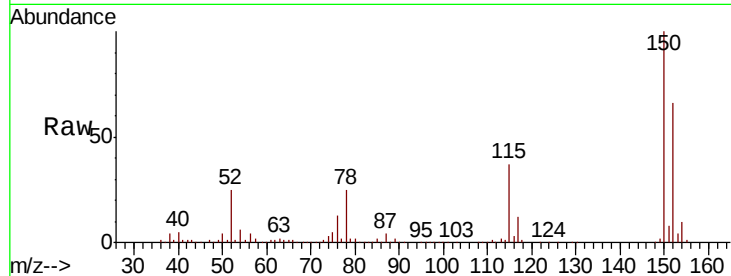


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	124.8	187.2
115	57.1	46.5	69.7

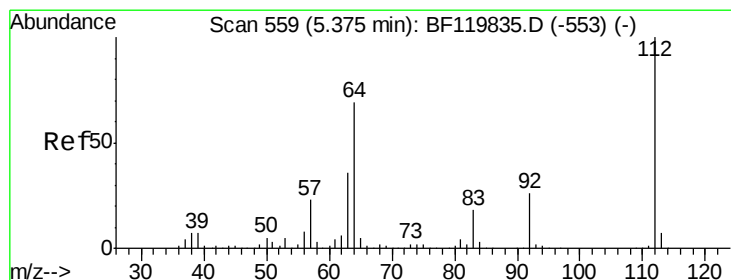
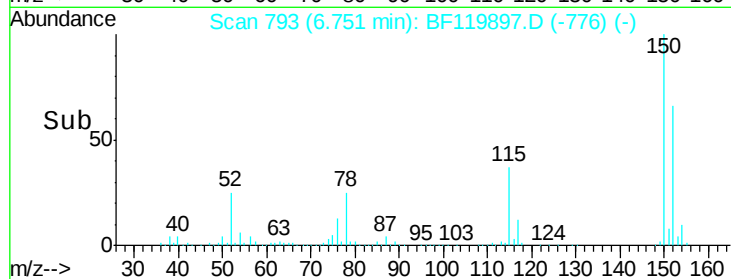
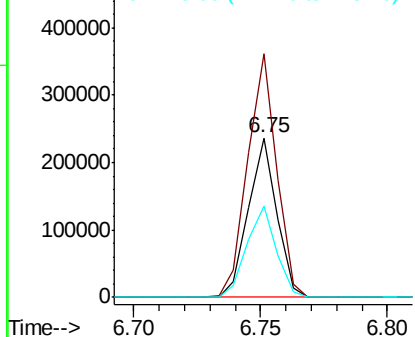


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

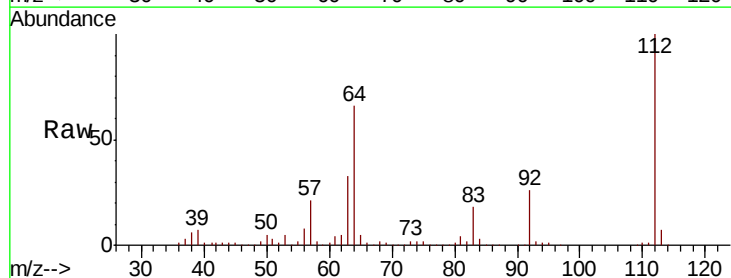
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.635 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	55.5	83.3
63	33.4	29.1	43.7

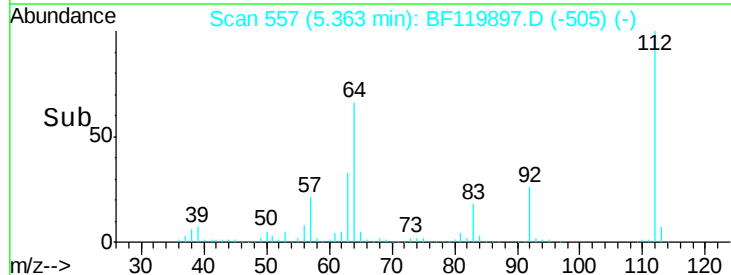
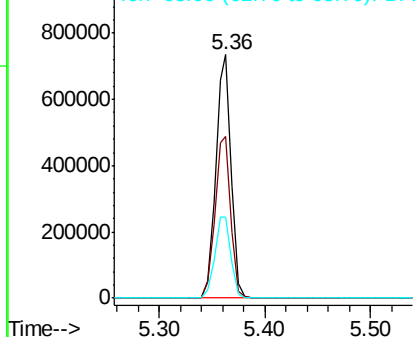


Abundance

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: 43.160 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

Instrument :

BNA_F

ClientSampleId :

MW-1A

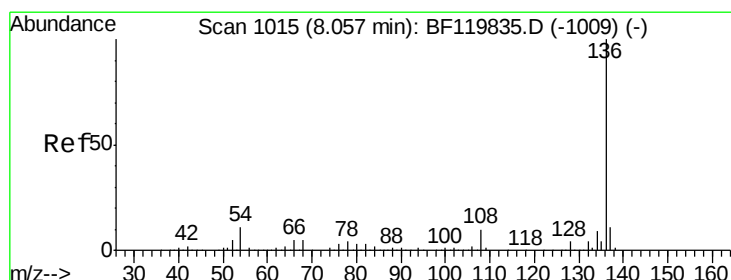
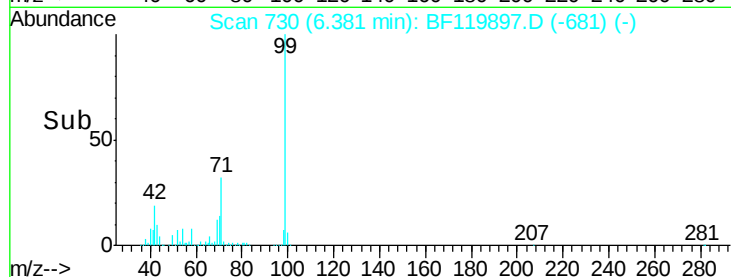
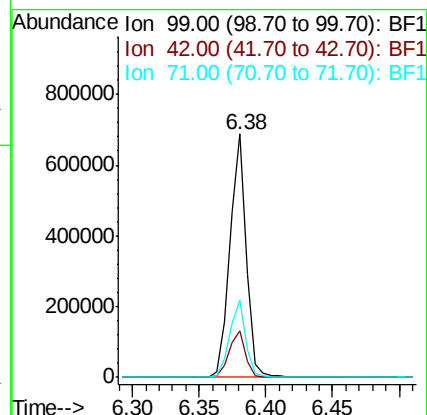
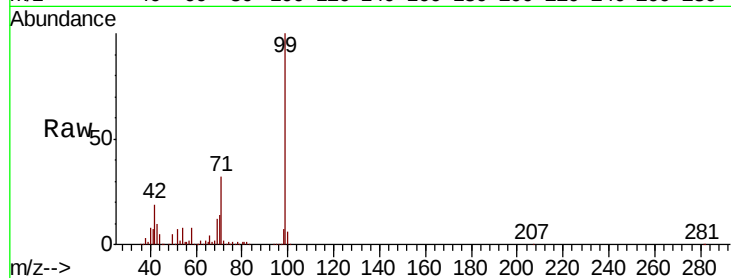
Tot Ion: 99 Resp: 594107

Ion Ratio Lower Upper

99 100

42 19.0 16.9 25.3

71 31.6 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

Tgt Ion: 136 Resp: 710113

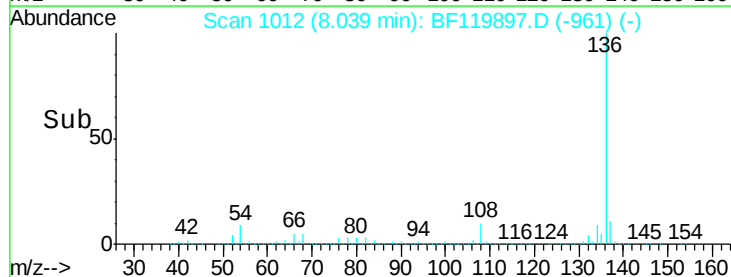
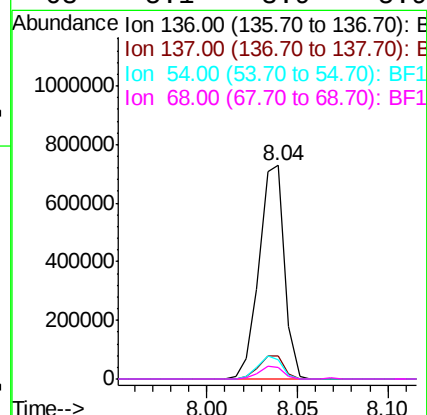
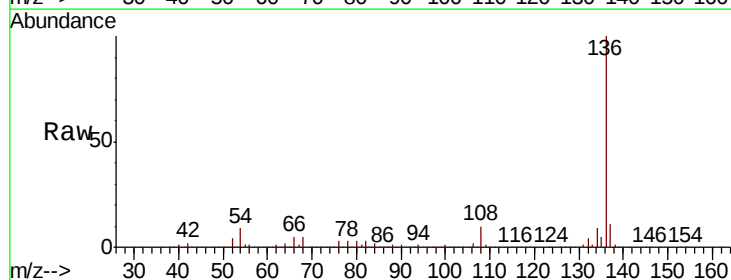
Ion Ratio Lower Upper

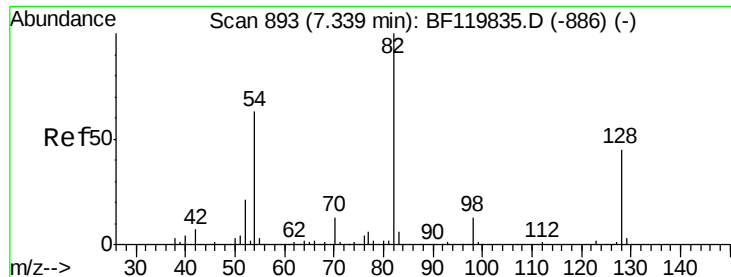
136 100

137 10.9 8.7 13.1

54 8.8 8.5 12.7

68 5.1 3.9 5.9

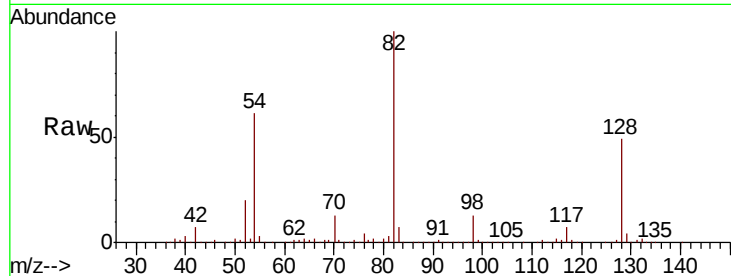




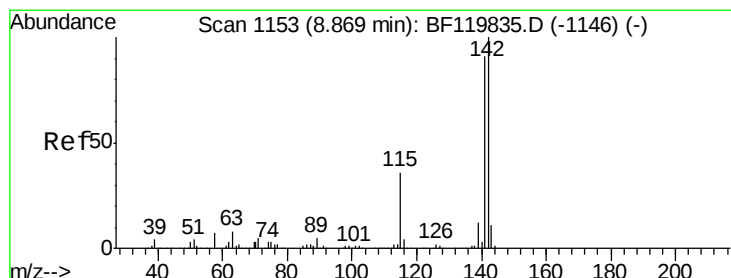
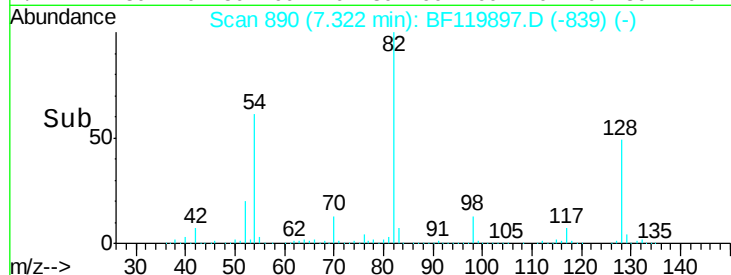
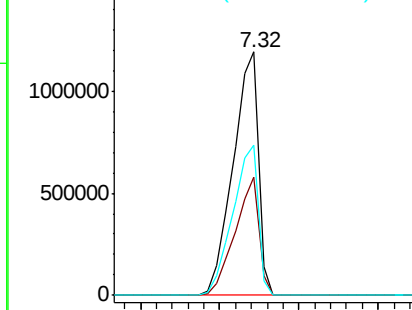
#23
 Nitrobenzene-d5
 Concen: 95.927 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BF119897.D
 Acq: 10 Apr 2020 16:25

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion: 82 Resp: 1316721
 Ion Ratio Lower Upper
 82 100
 128 48.8 36.2 54.4
 54 61.5 50.4 75.6

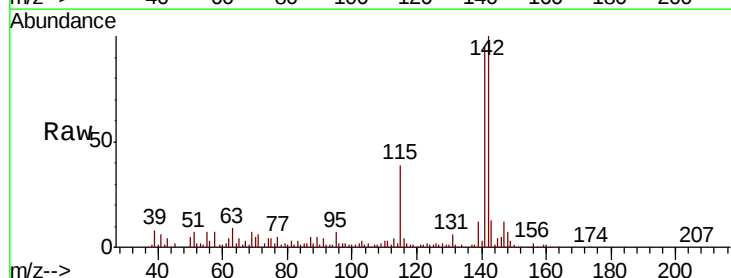


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

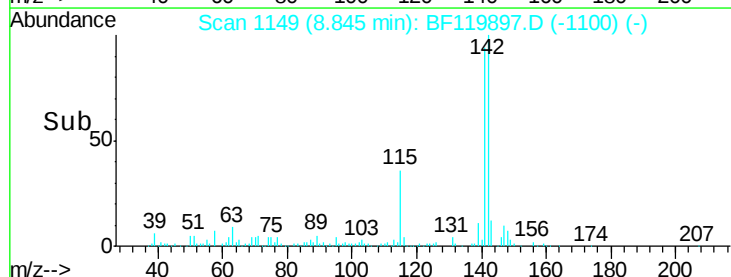
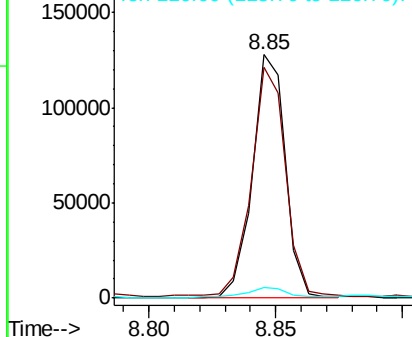


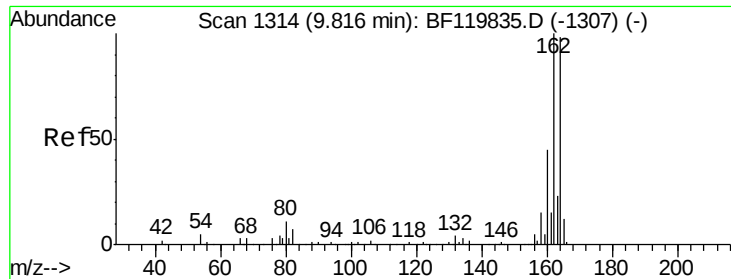
#38
 1-Methylnaphthalene
 Concen: 4.857 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF119897.D
 Acq: 10 Apr 2020 16:25

Tgt Ion: 142 Resp: 115964
 Ion Ratio Lower Upper
 142 100
 141 95.0 72.9 109.3
 116 4.5 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): BF1
 Ion 141.00 (140.70 to 141.70): BF1
 Ion 116.00 (115.70 to 116.70): BF1

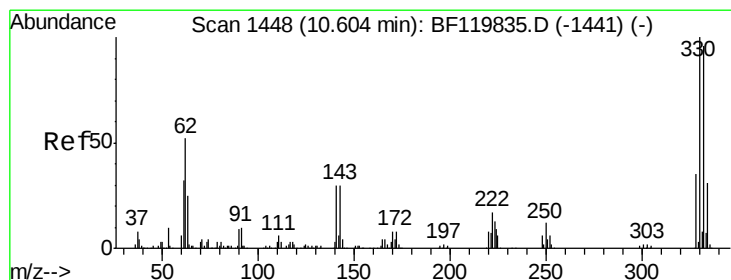
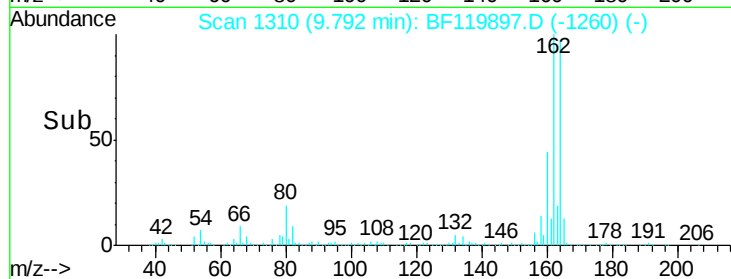
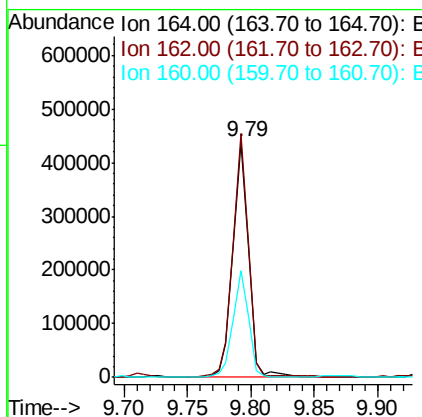
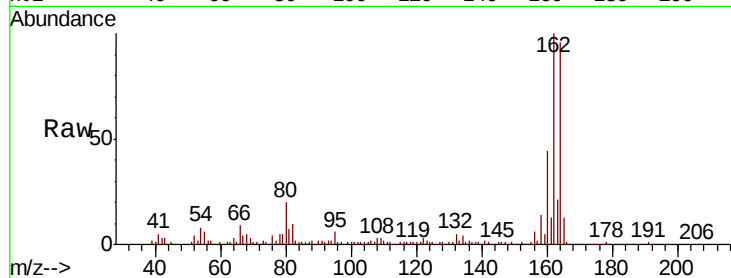




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF119897.D
 Acq: 10 Apr 2020 16:25

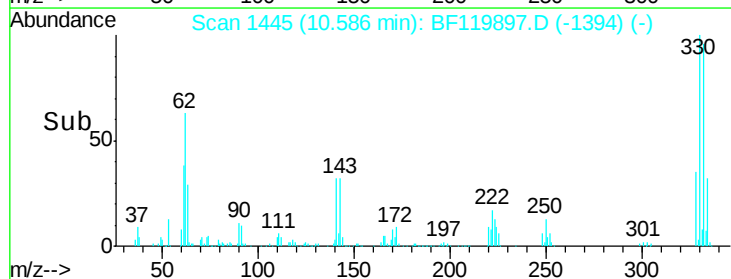
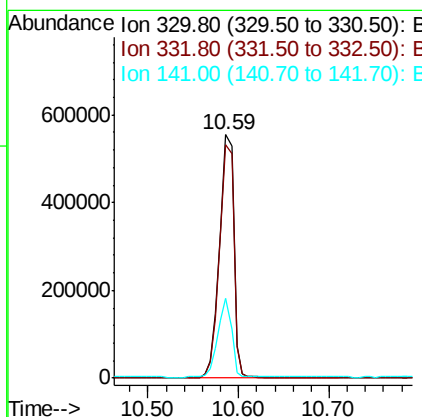
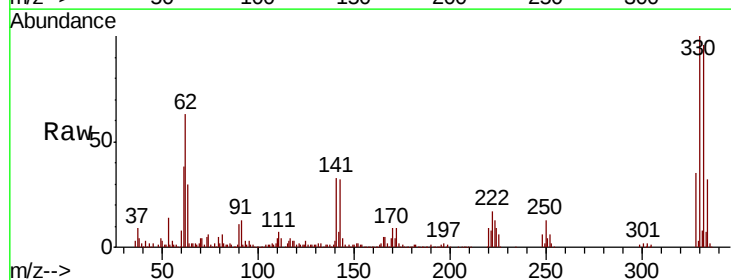
Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

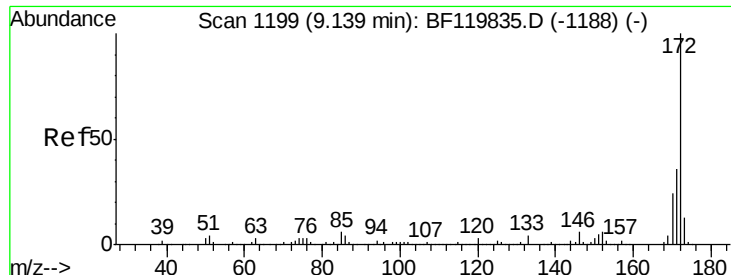
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.9	122.9
160	45.3	36.6	54.8



#42
 2,4,6-Tribromophenol
 Concen: 132.156 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: BF119897.D
 Acq: 10 Apr 2020 16:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	30.8	25.1	37.7

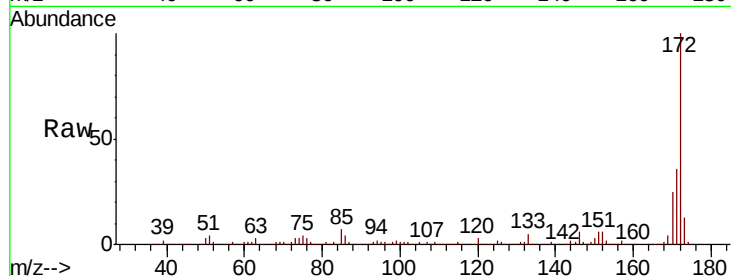




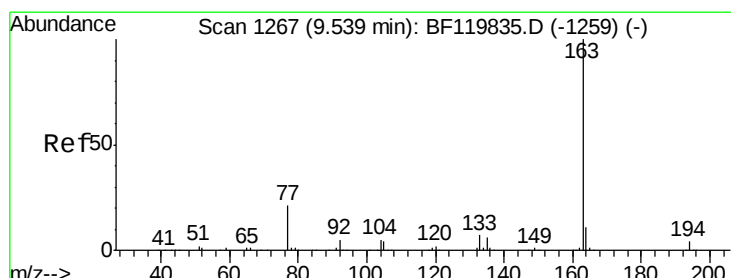
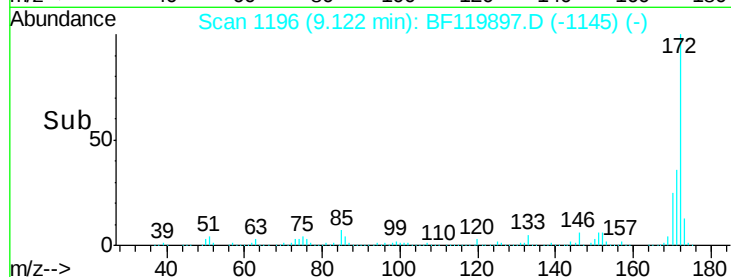
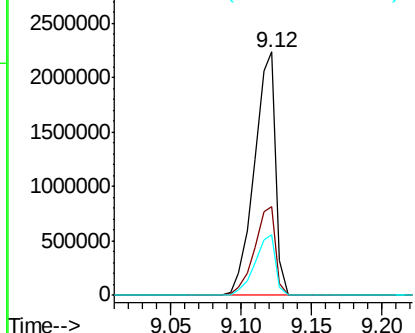
#45
2-Fluorobiphenyl
Concen: 89.727 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.00 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion:172 Resp: 2368069
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 24.8 19.4 29.2

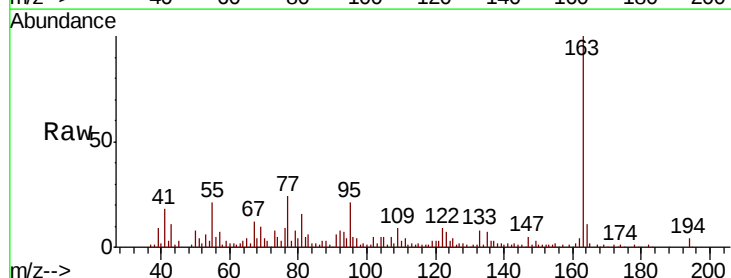


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

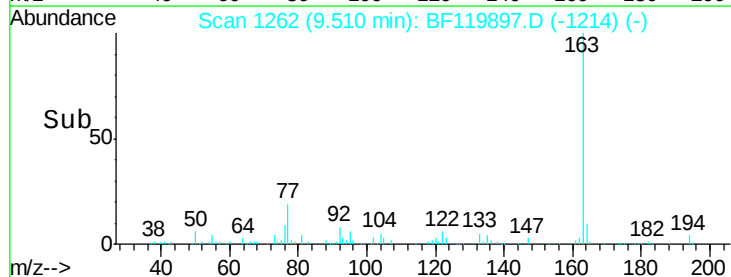
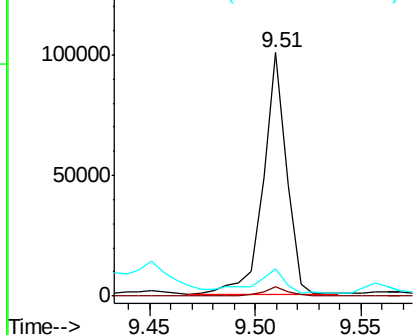


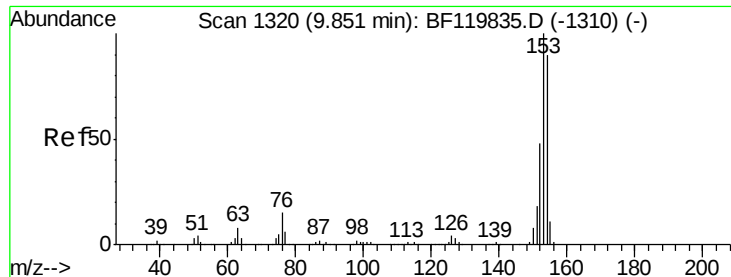
#50
Dimethylphthalate
Concen: 2.640 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

Tgt Ion:163 Resp: 76505
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.4
164 11.4 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





#52

Acenaphthene

Concen: 4.566 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

Instrument :

BNA_F

ClientSampleId :

MW-1A

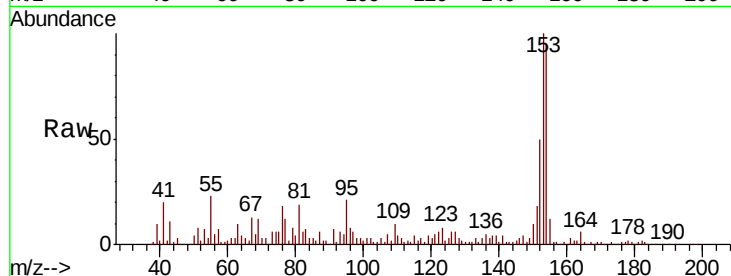
Tot Ion:154 Resp: 112867

Ion Ratio Lower Upper

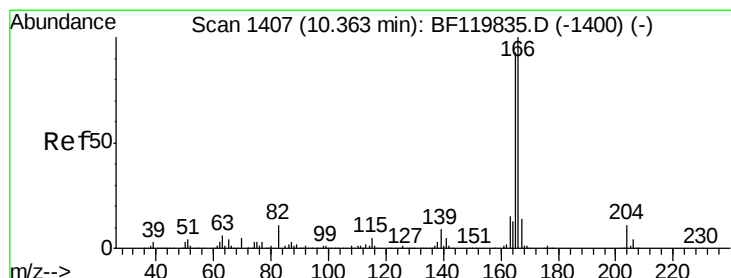
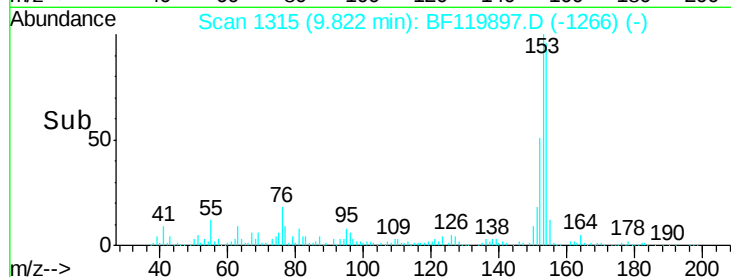
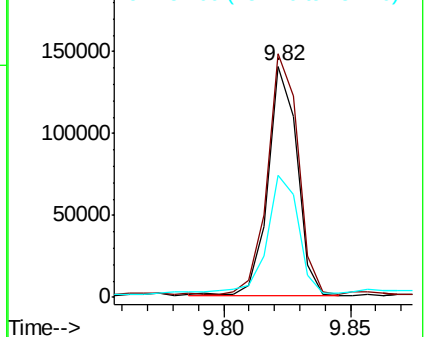
154 100

153 105.4 88.8 133.2

152 53.1 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.573 ng

RT: 10.34 min Scan# 1403

Delta R.T. -0.01 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

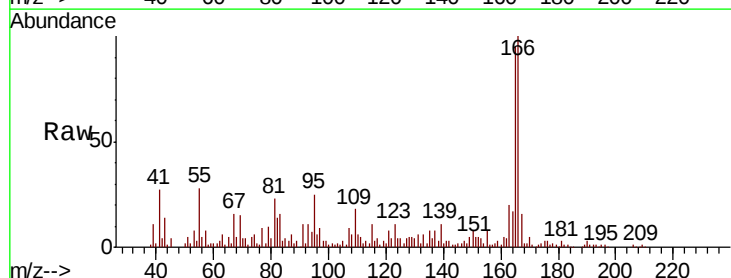
Tgt Ion:166 Resp: 69789

Ion Ratio Lower Upper

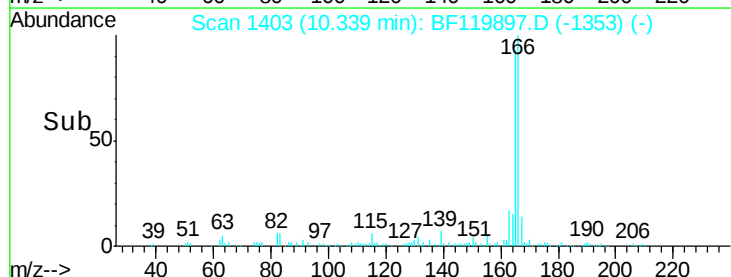
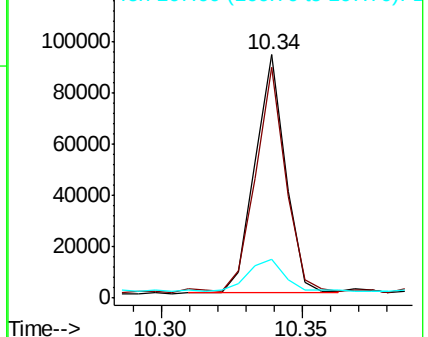
166 100

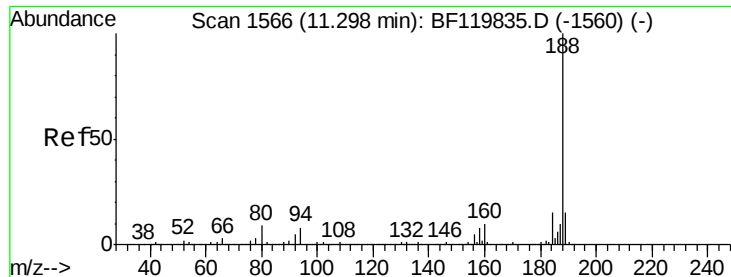
165 94.9 74.2 111.2

167 16.2 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

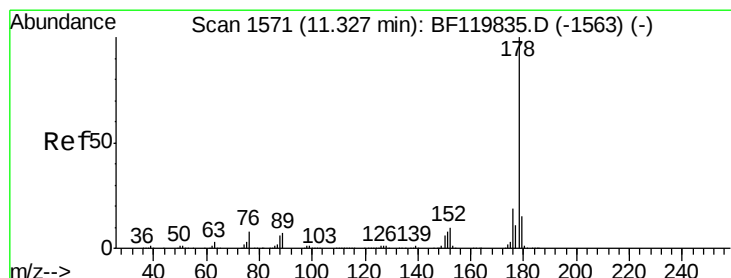
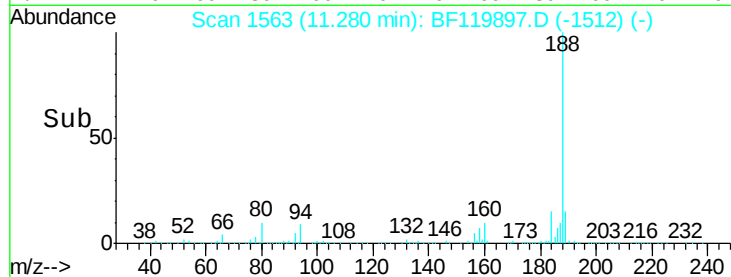
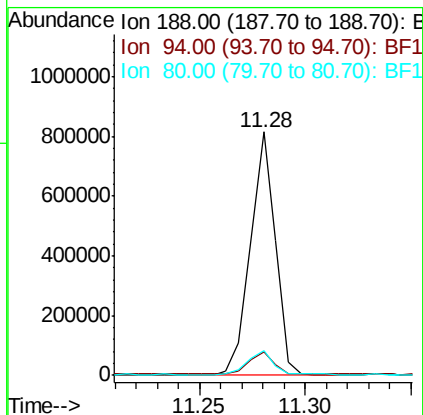
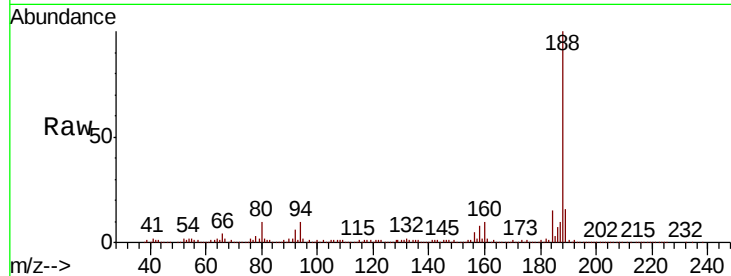




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

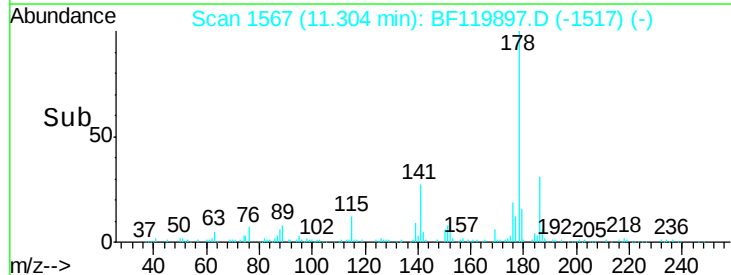
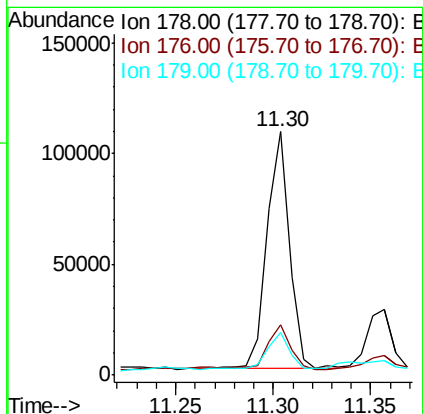
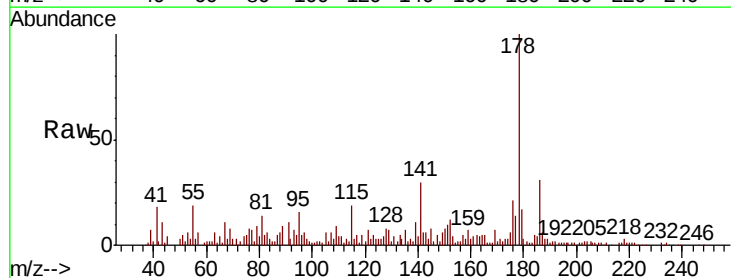
Instrument :
BNA_F
ClientSampled :
MW-1A

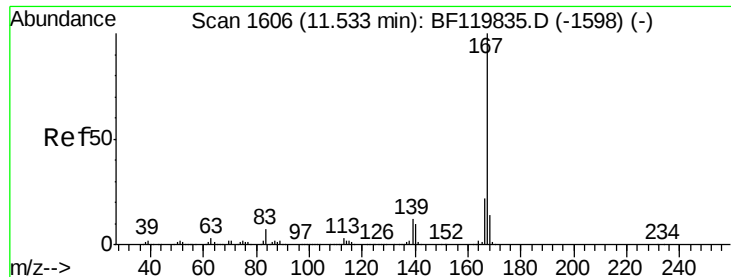
Tot Ion:188 Resp: 667638
Ion Ratio Lower Upper
188 100
94 9.6 6.7 10.1
80 10.2 7.4 11.2



#71
Phenanthrene
Concen: 2.424 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF119897.D
Acq: 10 Apr 2020 16:25

Tgt Ion:178 Resp: 86134
Ion Ratio Lower Upper
178 100
176 20.6 15.1 22.7
179 17.4 12.2 18.4





#73

Carbazole

Concen: 2.998 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

Instrument :

BNA_F

ClientSampleId :

MW-1A

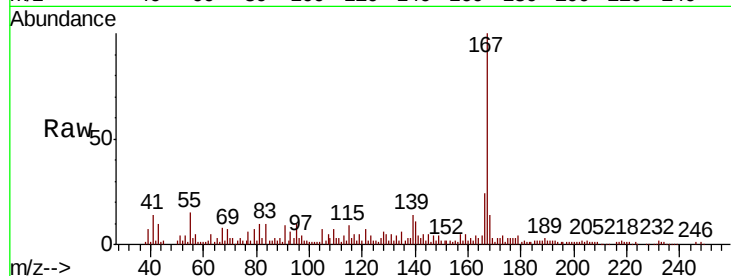
Tot Ion:167 Resp: 102901

Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.0

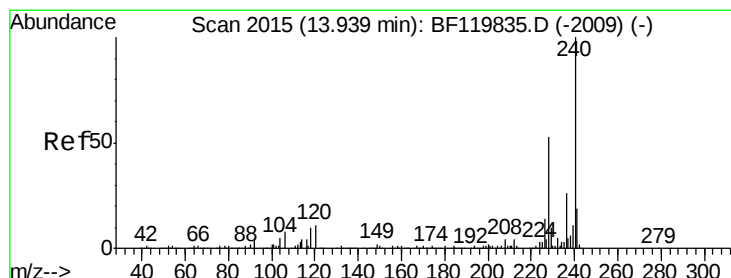
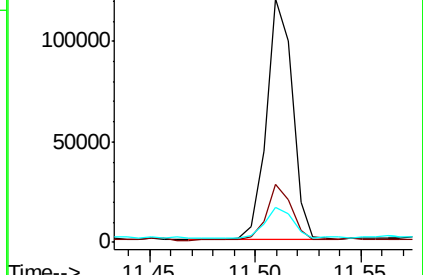
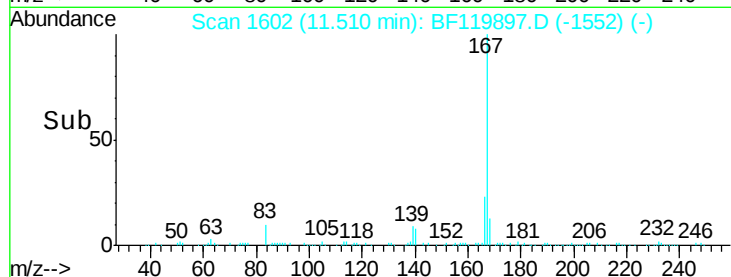
139 14.4 9.8 14.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

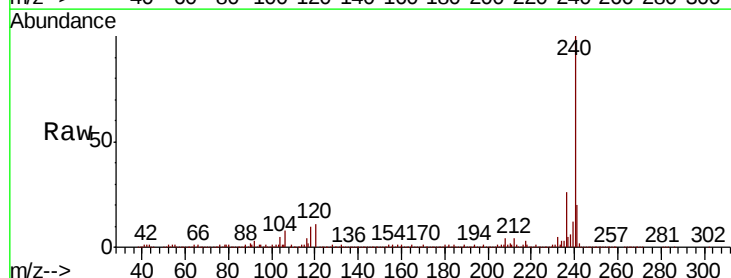
Tgt Ion:240 Resp: 438737

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

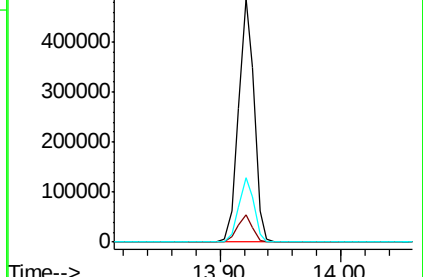
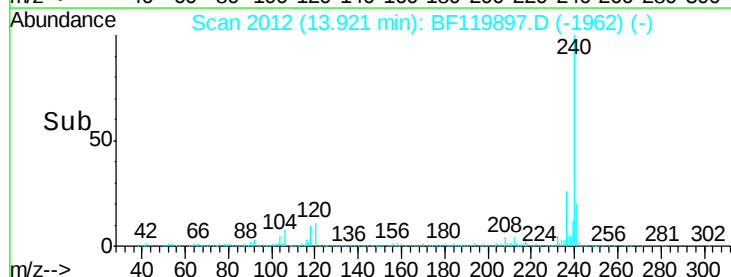
236 26.3 20.7 31.1

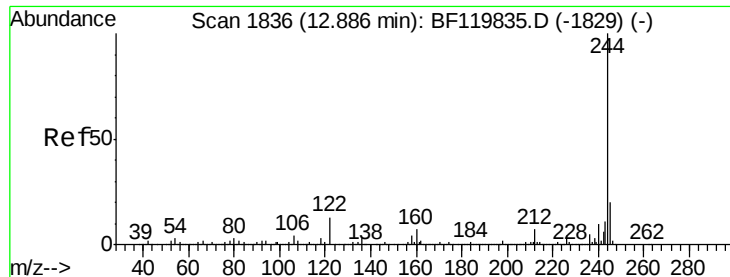


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 86.612 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

Instrument :

BNA_F

ClientSampleId :

MW-1A

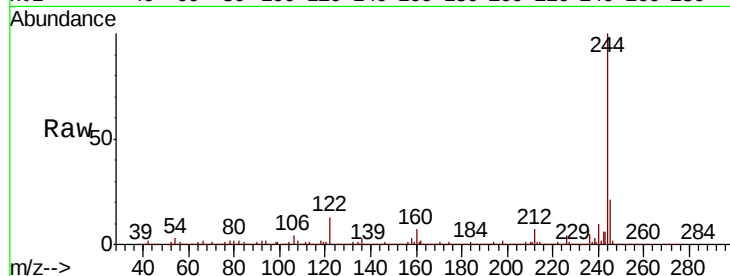
Tot Ion:244 Resp: 2258330

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

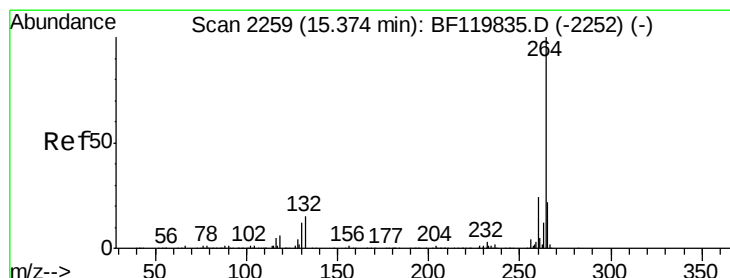
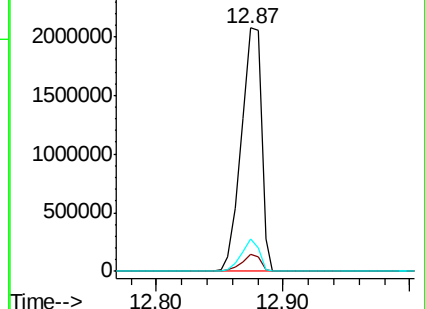
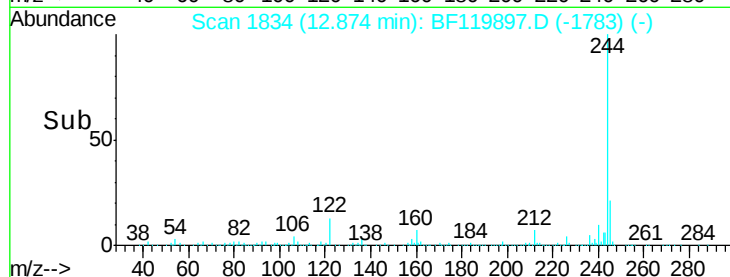
122 13.4 10.3 15.5



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: 15.36 min Scan# 2256

Delta R.T. -0.00 min

Lab File: BF119897.D

Acq: 10 Apr 2020 16:25

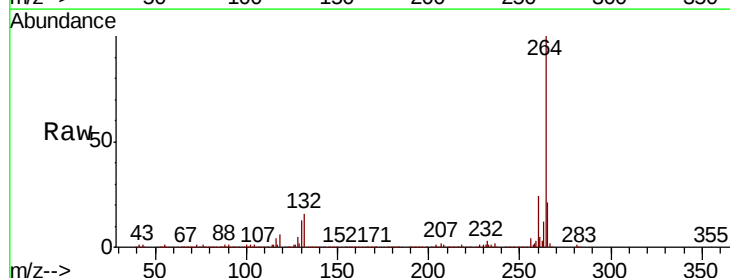
Tgt Ion:264 Resp: 362992

Ion Ratio Lower Upper

264 100

260 24.4 19.3 28.9

265 21.1 17.6 26.4



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

