

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119853.D
 Acq On : 9 Apr 2020 4:56
 Operator : MA/SJ
 Sample : L2151-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 05:30:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

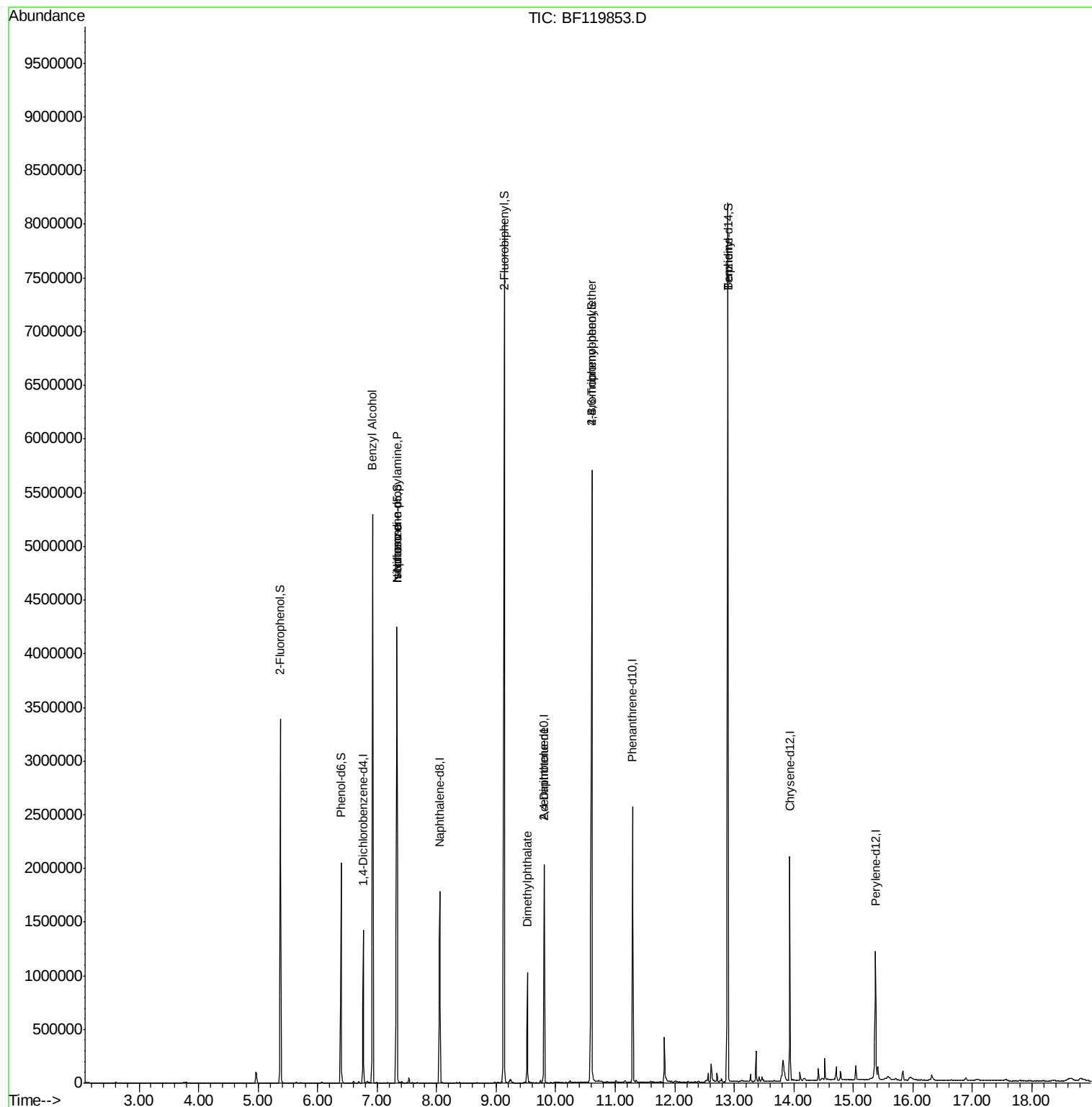
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	204054	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	813310	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	456614	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	908700	20.00	ng	0.00
76) Chrysene-d12	13.93	240	675015	20.00	ng	0.00
87) Perylene-d12	15.37	264	570746	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	832678	70.52	ng	0.00
7) Phenol-d6	6.39	99	654238	43.00	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1591629	101.24	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	832592	148.93	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	3014546	93.73	ng	0.00
79) Terphenyl-d14	12.89	244	3630818	90.51	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	1001	Below Cal	Qvalue	# 1
15) Benzyl Alcohol	6.92	79	23962	2.028 ng	#	47
19) n-Nitroso-di-n-propylamine	7.33	70	213079	21.779 ng	#	75
25) Isophorone	7.33	82	1577889	52.066 ng	#	65
50) Dimethylphthalate	9.52	163	396327	11.222 ng		100
57) 2,4-Dinitrotoluene	9.80	165	58135	5.705 ng	#	22
67) 4-Bromophenyl-phenylether	10.60	248	48423	4.285 ng	#	1
77) Benzidine	12.89	184	45702	2.003 ng	#	93

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

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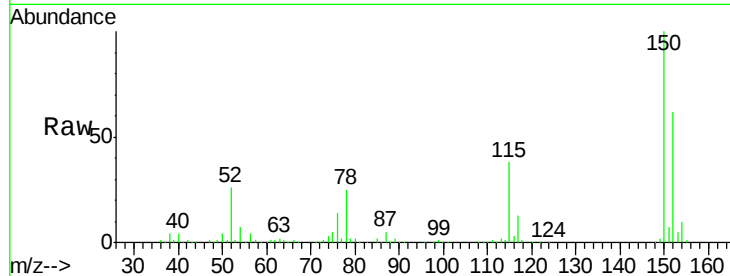


#1

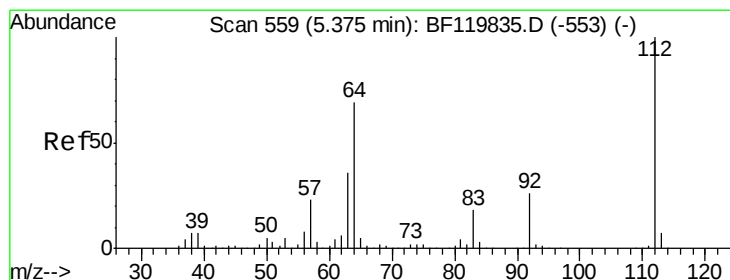
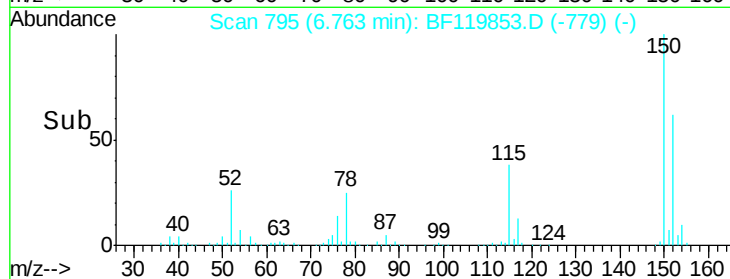
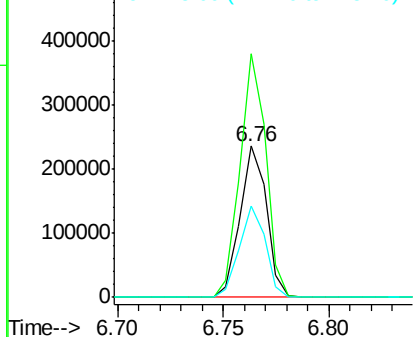
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 204054
Ion Ratio Lower Upper
152 100
150 161.0 124.8 187.2
115 60.4 46.5 69.7



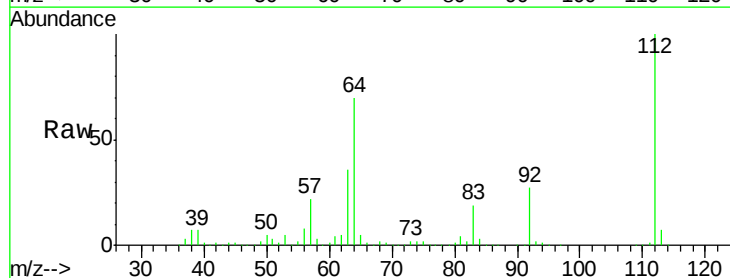
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



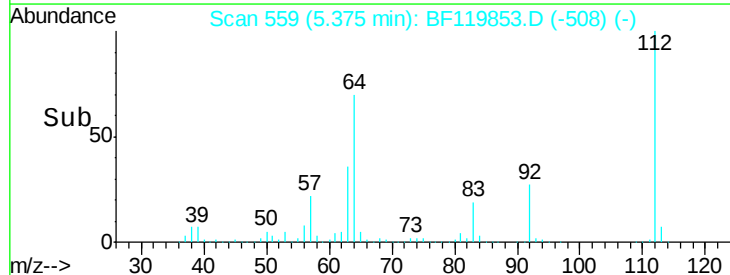
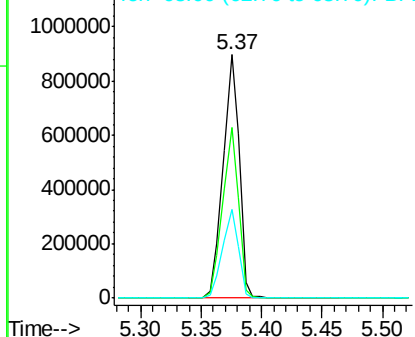
#5

2-Fluorophenol
Concen: 70.522 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.00 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Tgt Ion:112 Resp: 832678
Ion Ratio Lower Upper
112 100
64 70.2 55.5 83.3
63 36.5 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: 43.001 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

Instrument :

BNA_F

ClientSampled :

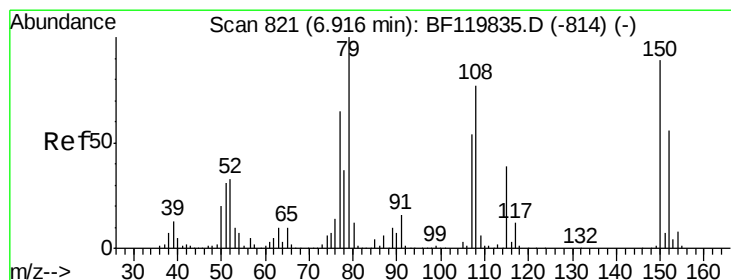
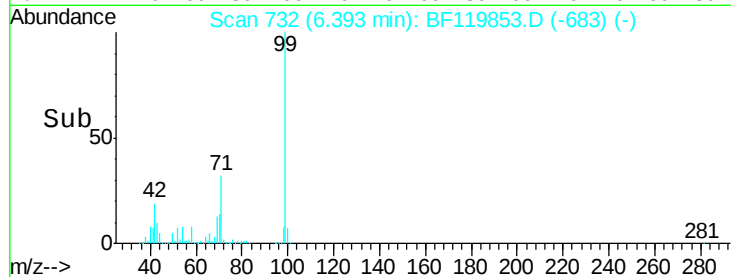
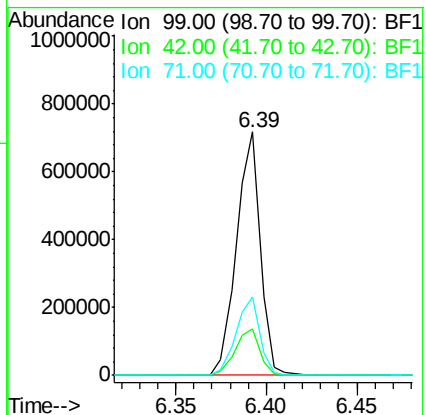
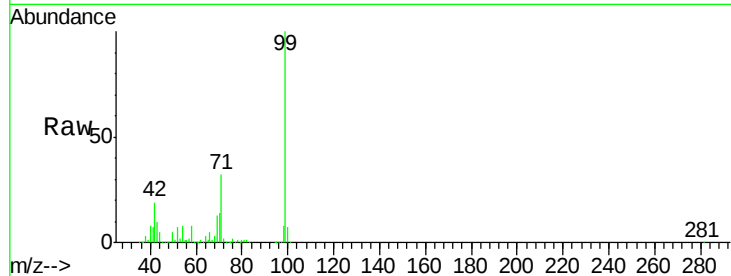
Tot Ion: 99 Resp: 654238

Ion Ratio Lower Upper

99 100

42 19.3 16.9 25.3

71 32.4 26.3 39.5



#15

Benzyl Alcohol

Concen: 2.028 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

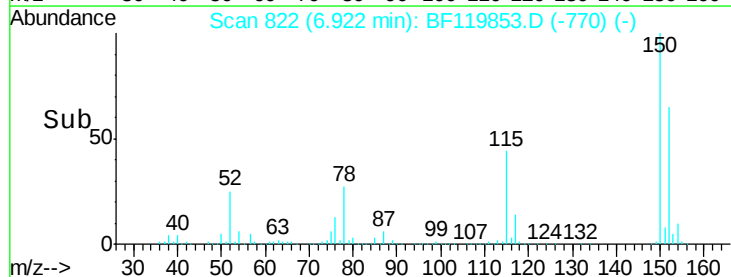
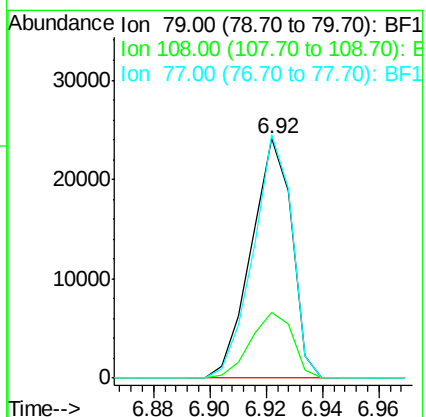
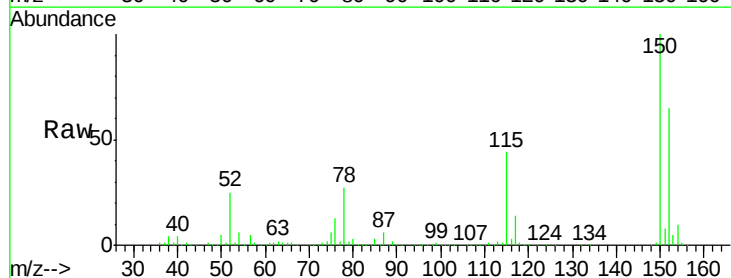
Tgt Ion: 79 Resp: 23962

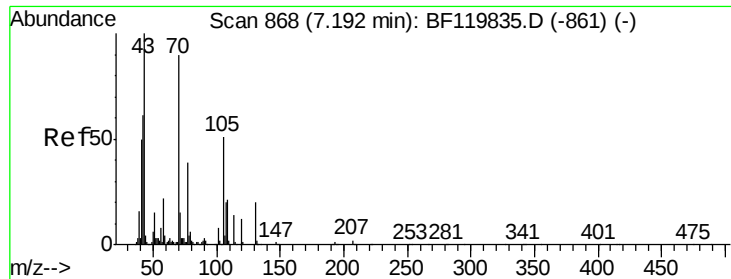
Ion Ratio Lower Upper

79 100

108 27.6 62.0 93.0#

77 101.7 51.8 77.6#

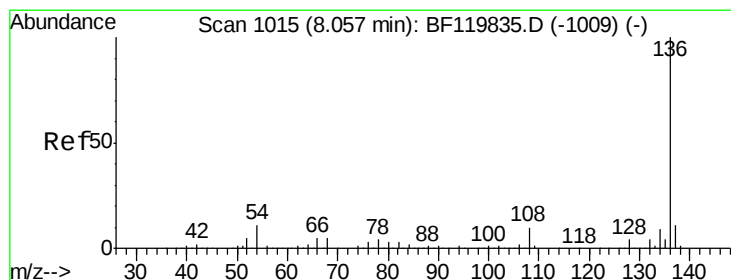
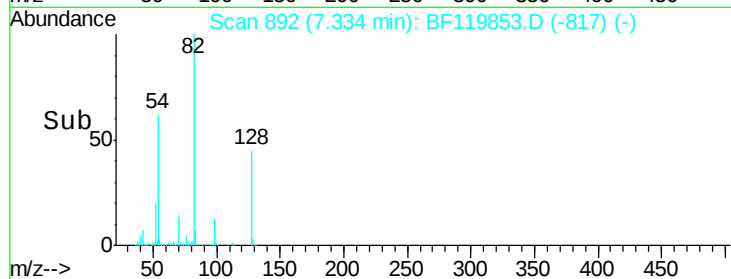
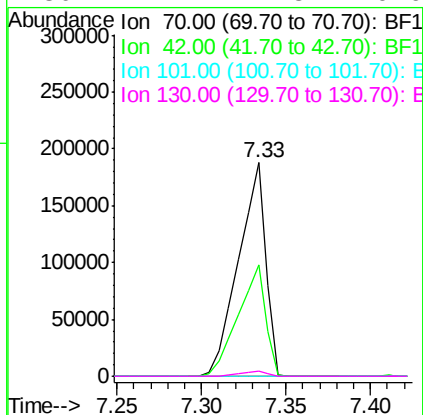
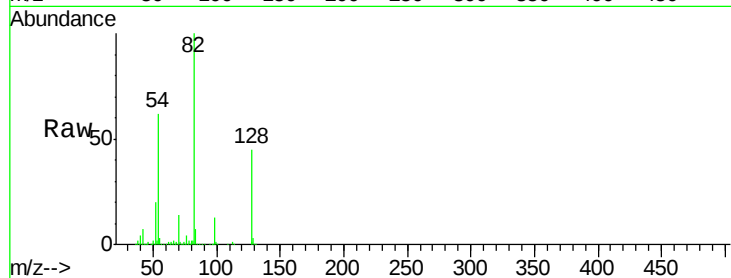




#19
n-Nitroso-di-n-propylamine
Concen: 21.779 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.14 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

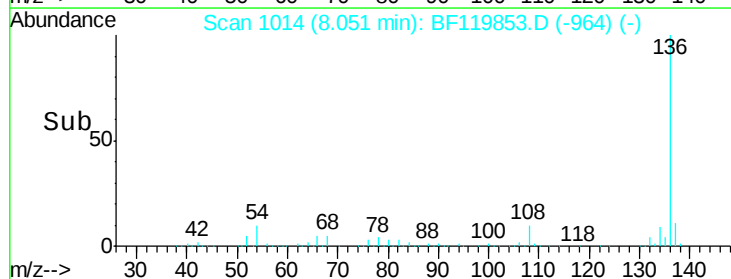
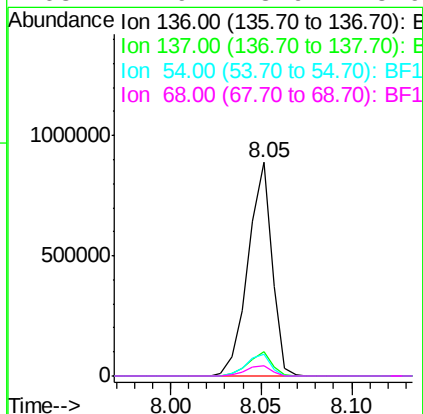
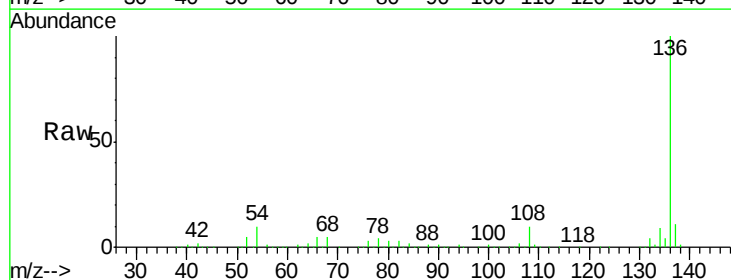
Instrument :
BNA_F
ClientSampled :

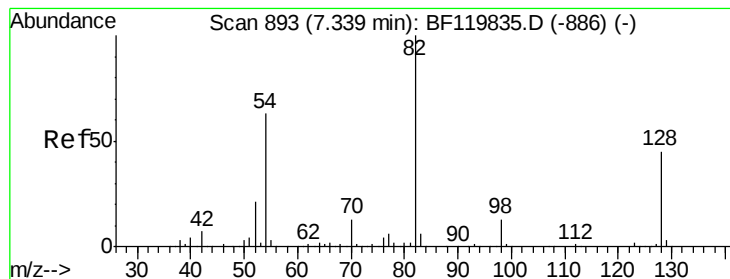
Tot Ion: 70 Resp: 213079
Ion Ratio Lower Upper
70 100
42 52.3 54.2 81.4#
101 0.0 7.4 11.2#
130 2.1 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Tgt Ion: 136 Resp: 813310
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 10.0 8.5 12.7
68 4.9 3.9 5.9





#23

Nitrobenzene-d5

Concen: 101.241 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

Instrument :

BNA_F

ClientSampleId :

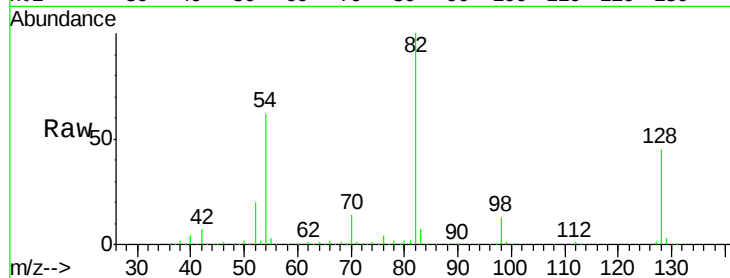
Tot Ion: 82 Resp: 1591629

Ion Ratio Lower Upper

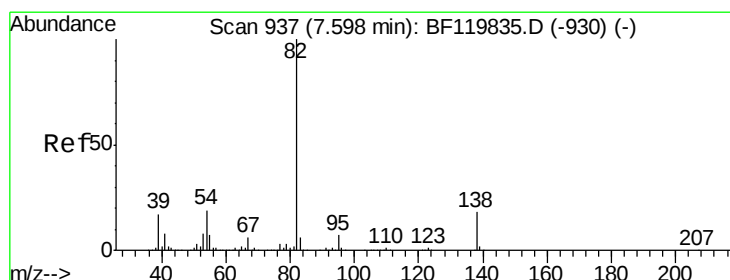
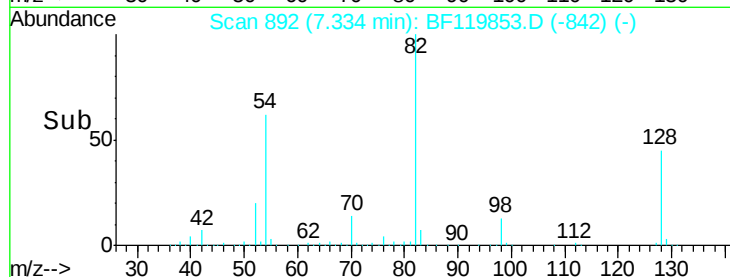
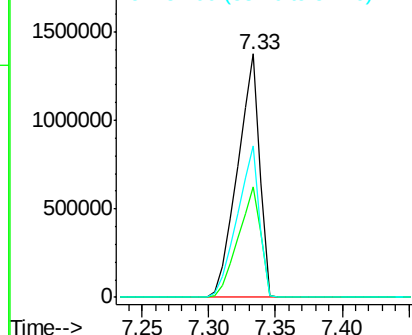
82 100

128 45.2 36.2 54.4

54 62.4 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



#25

Isophorone

Concen: 52.066 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

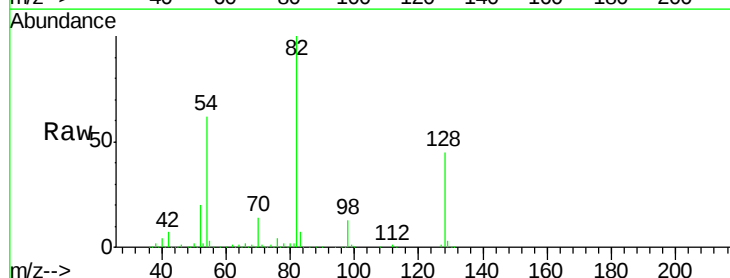
Tgt Ion: 82 Resp: 1577889

Ion Ratio Lower Upper

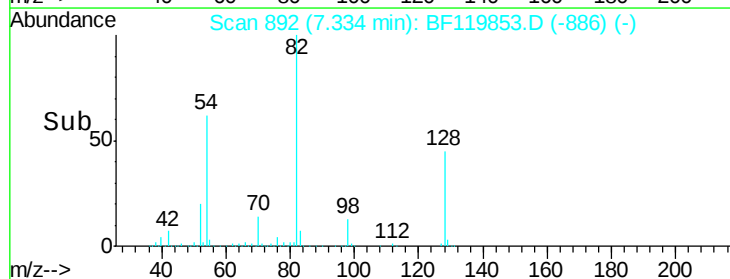
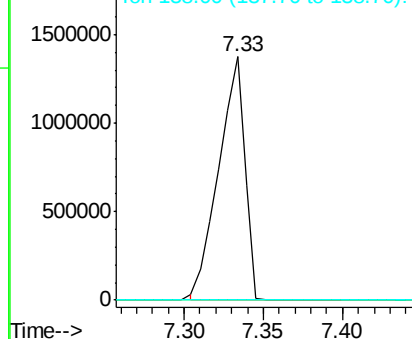
82 100

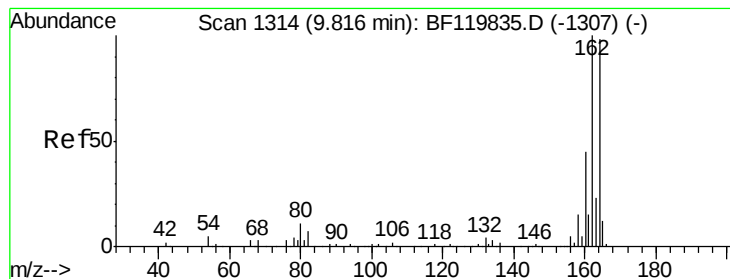
95 0.0 5.8 8.6#

138 0.0 14.5 21.7#



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: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

Instrument :

BNA_F

ClientSampleId :

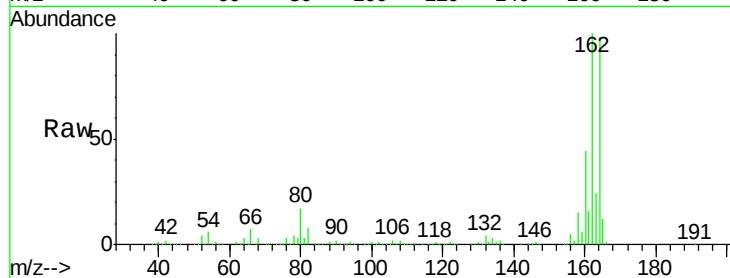
Tot Ion:164 Resp: 456614

Ion Ratio Lower Upper

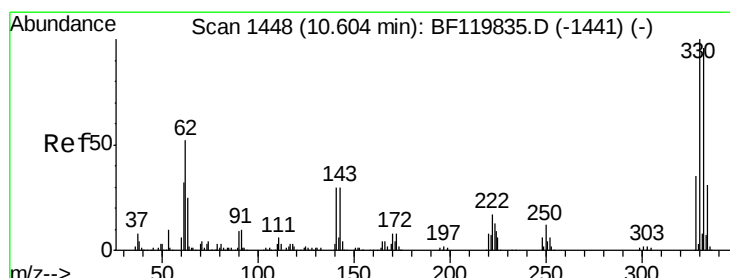
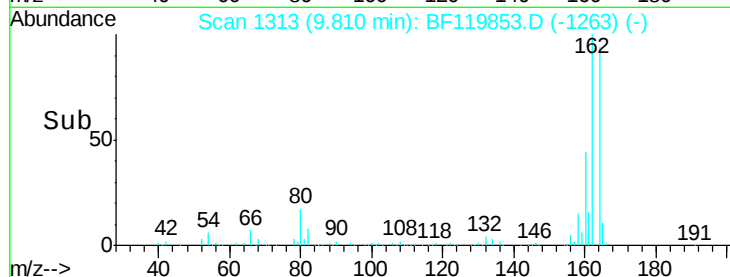
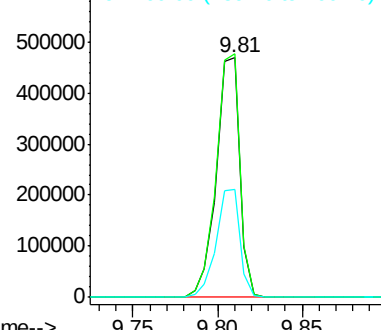
164 100

162 101.7 81.9 122.9

160 45.2 36.6 54.8



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: 148.930 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

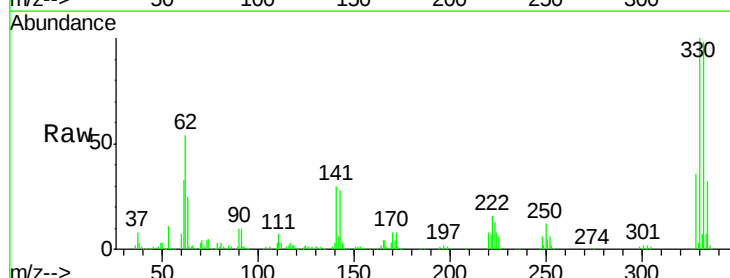
Tgt Ion:330 Resp: 832592

Ion Ratio Lower Upper

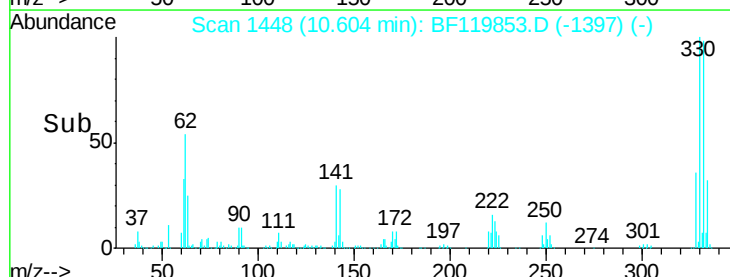
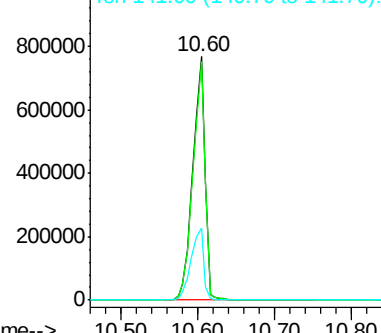
330 100

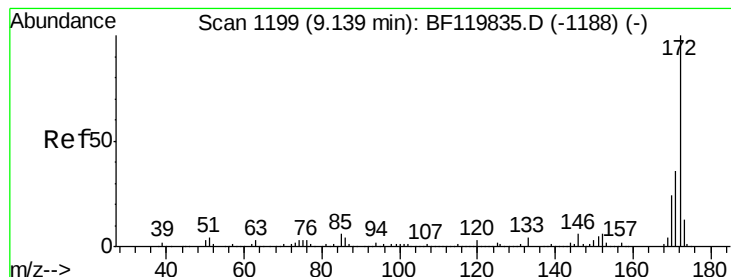
332 97.3 76.8 115.2

141 30.4 25.1 37.7



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: 93.733 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

Instrument :

BNA_F

ClientSampleId :

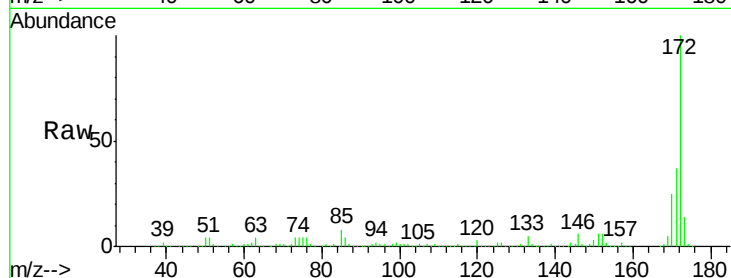
Tot Ion:172 Resp: 3014546

Ion Ratio Lower Upper

172 100

171 36.6 28.9 43.3

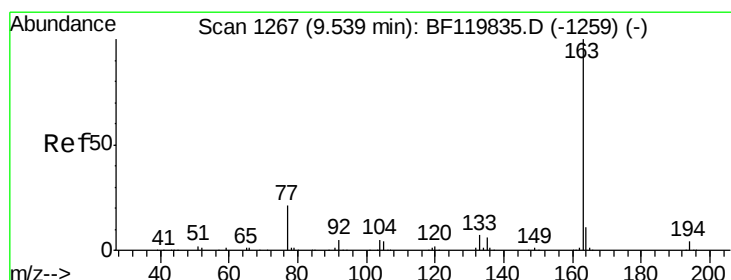
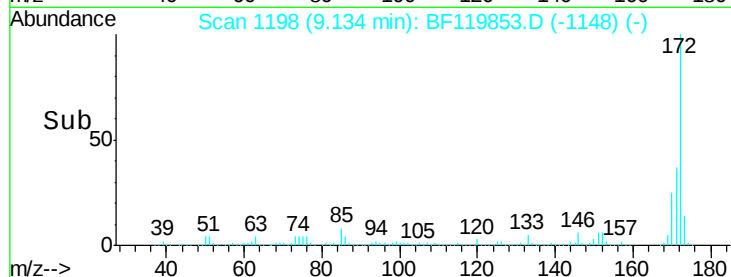
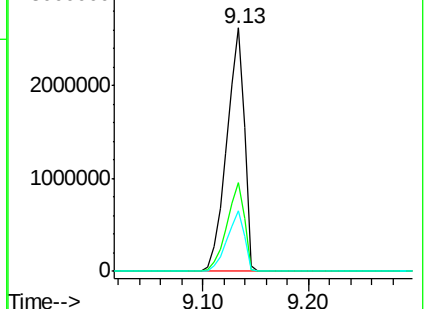
170 25.1 19.4 29.2



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: 11.222 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

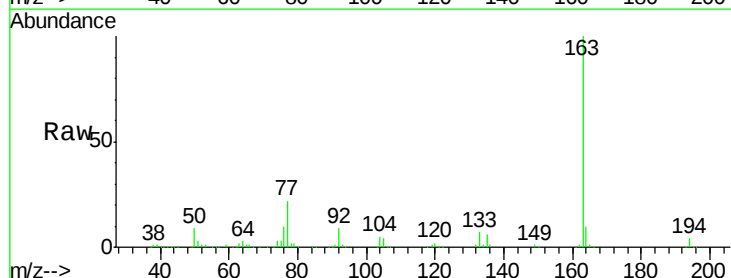
Tgt Ion:163 Resp: 396327

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

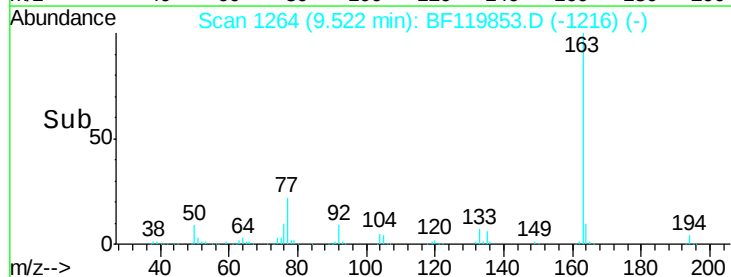
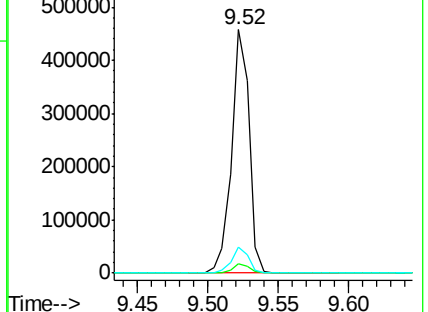
164 10.5 8.4 12.6

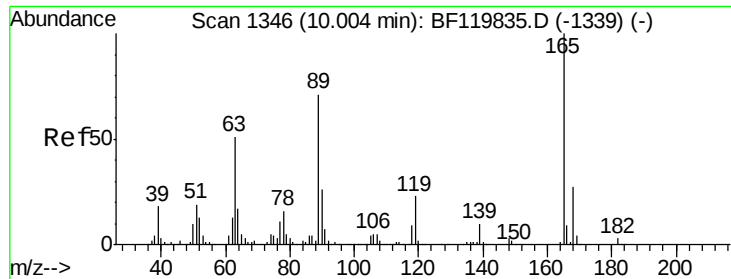


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

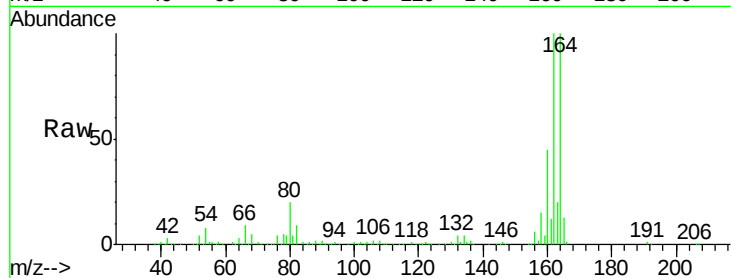




#57
 2,4-Dinitrotoluene
 Concen: 5.705 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF119853.D
 Acq: 9 Apr 2020 4:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.8	61.2#
89	1.0	56.9	85.3#
182	0.0	2.0	3.0#

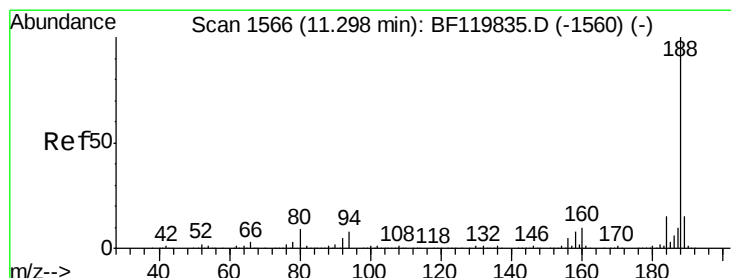
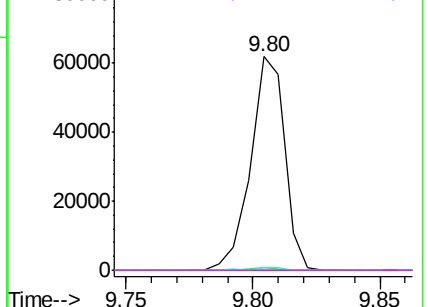
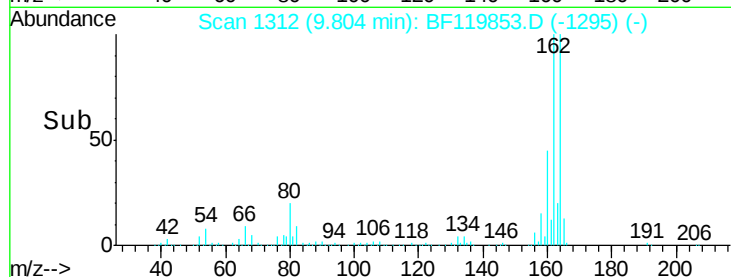


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

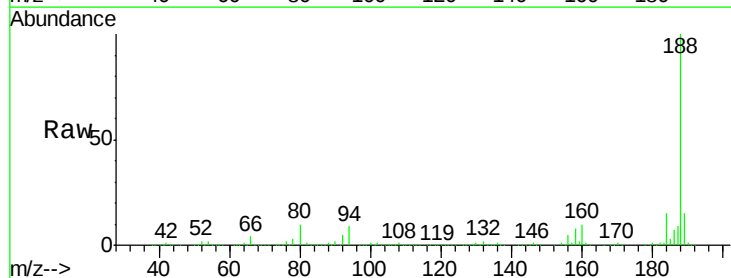
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF119853.D
 Acq: 9 Apr 2020 4:56

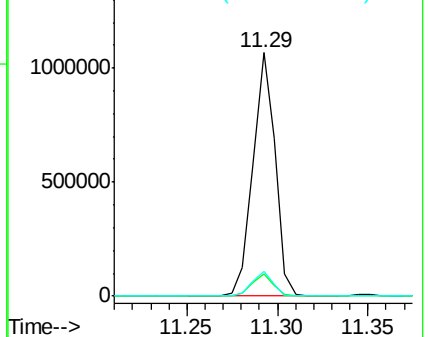
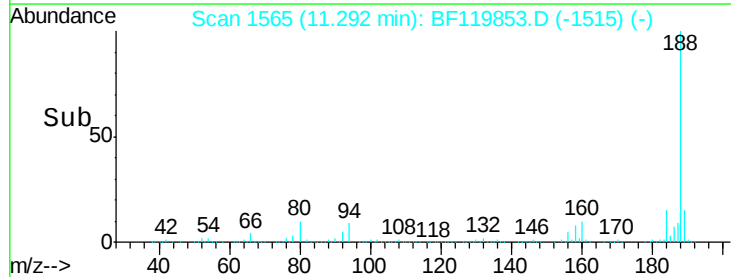
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.7	10.1
80	9.9	7.4	11.2

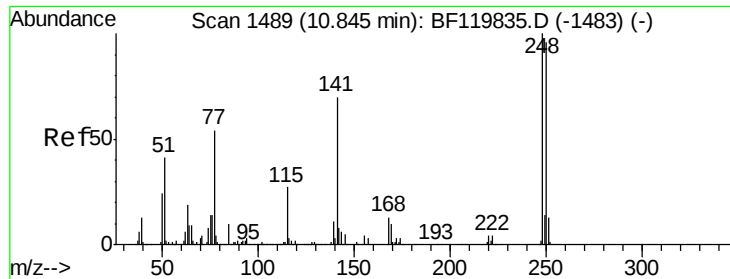


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

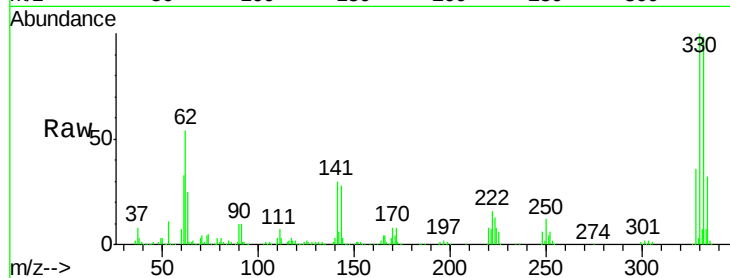




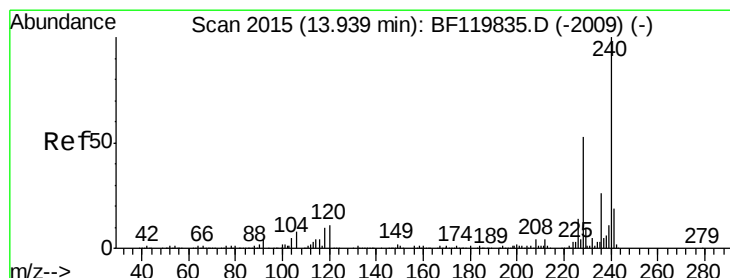
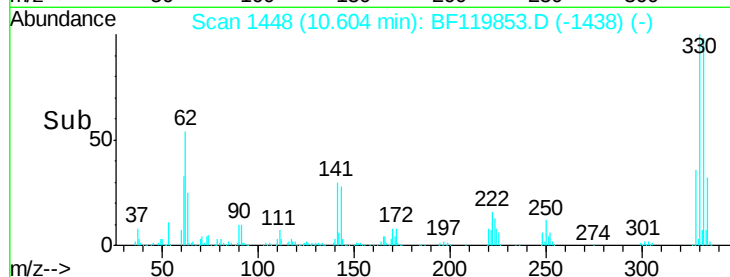
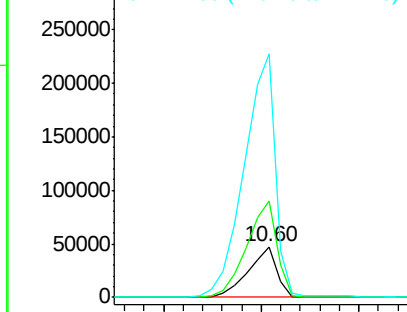
#67
4-Bromophenyl-phenylether
Concen: 4.285 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.24 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 48423
Ion Ratio Lower Upper
248 100
250 192.6 76.6 114.8#
141 483.5 55.9 83.9#

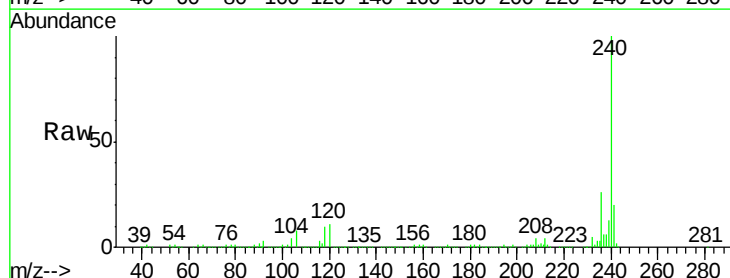


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

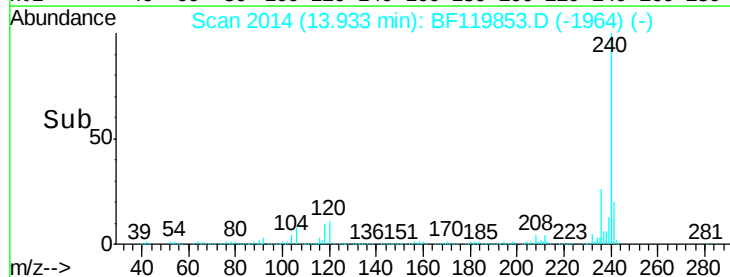
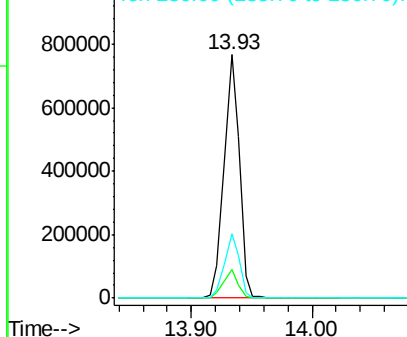


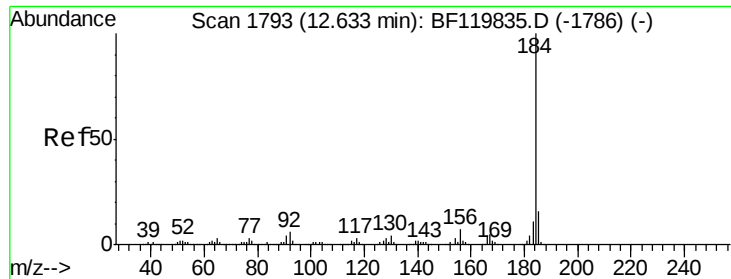
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Tgt Ion:240 Resp: 675015
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 26.2 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





#77

Benzidine

Concen: 2.003 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.26 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

Instrument :

BNA_F

ClientSampleId :

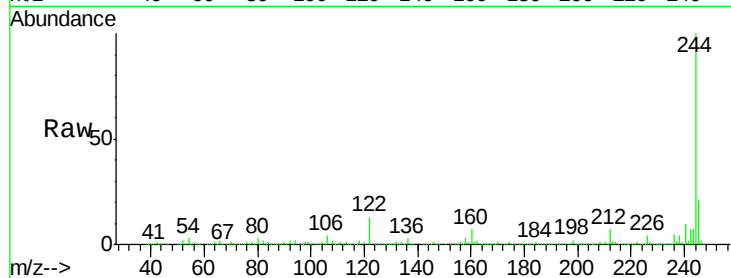
Tot Ion:184 Resp: 45702

Ion Ratio Lower Upper

184 100

185 14.6 13.2 19.8

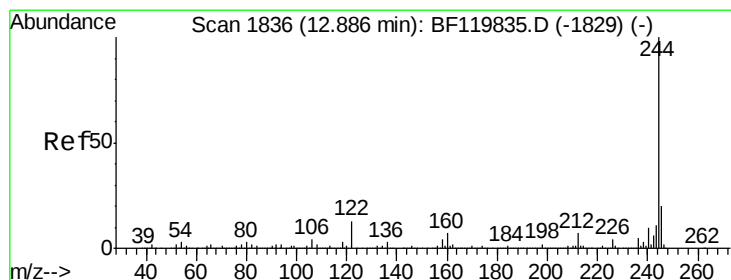
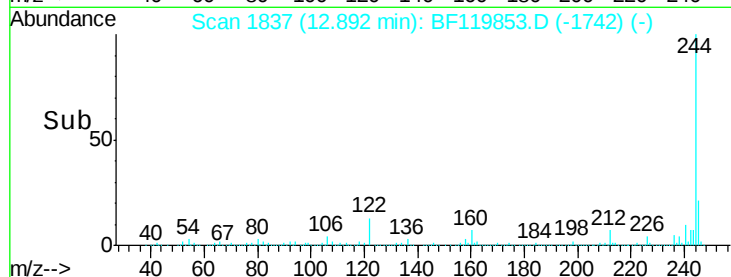
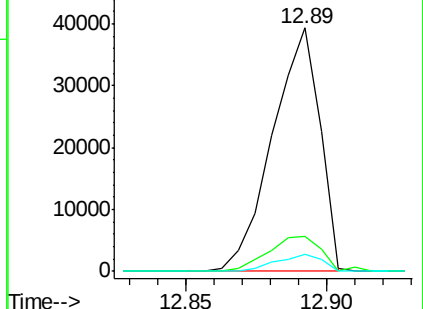
183 6.9 9.1 13.7#



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: 90.508 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF119853.D

Acq: 9 Apr 2020 4:56

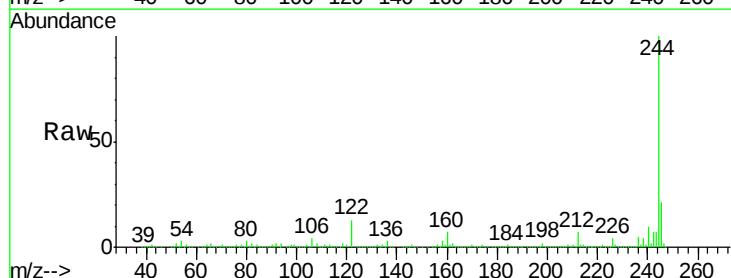
Tgt Ion:244 Resp: 3630818

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

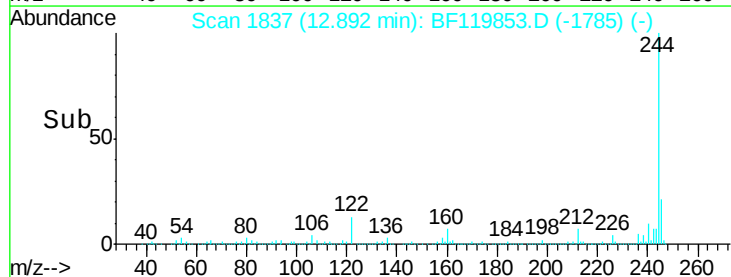
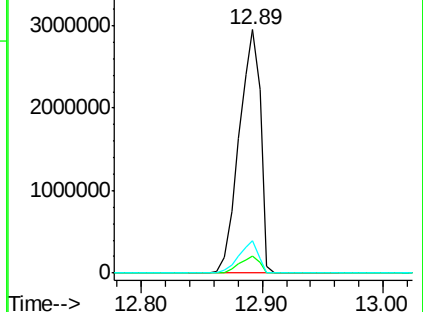
122 13.2 10.3 15.5

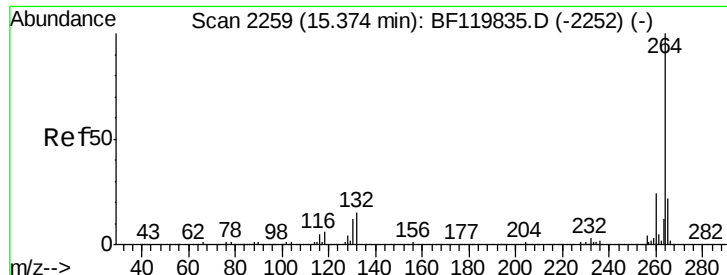


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

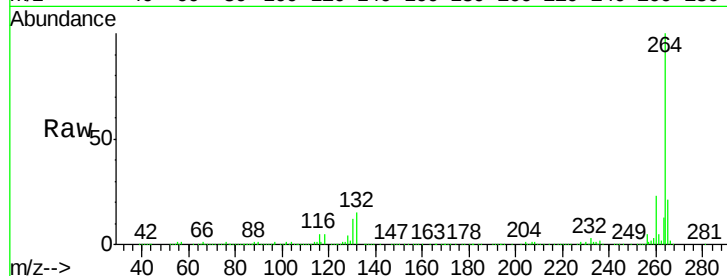




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF119853.D
Acq: 9 Apr 2020 4:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.3	28.9
265	21.0	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

