

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118260.D
 Acq On : 18 Dec 2019 15:48
 Operator : JU
 Sample : K6317-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:08:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

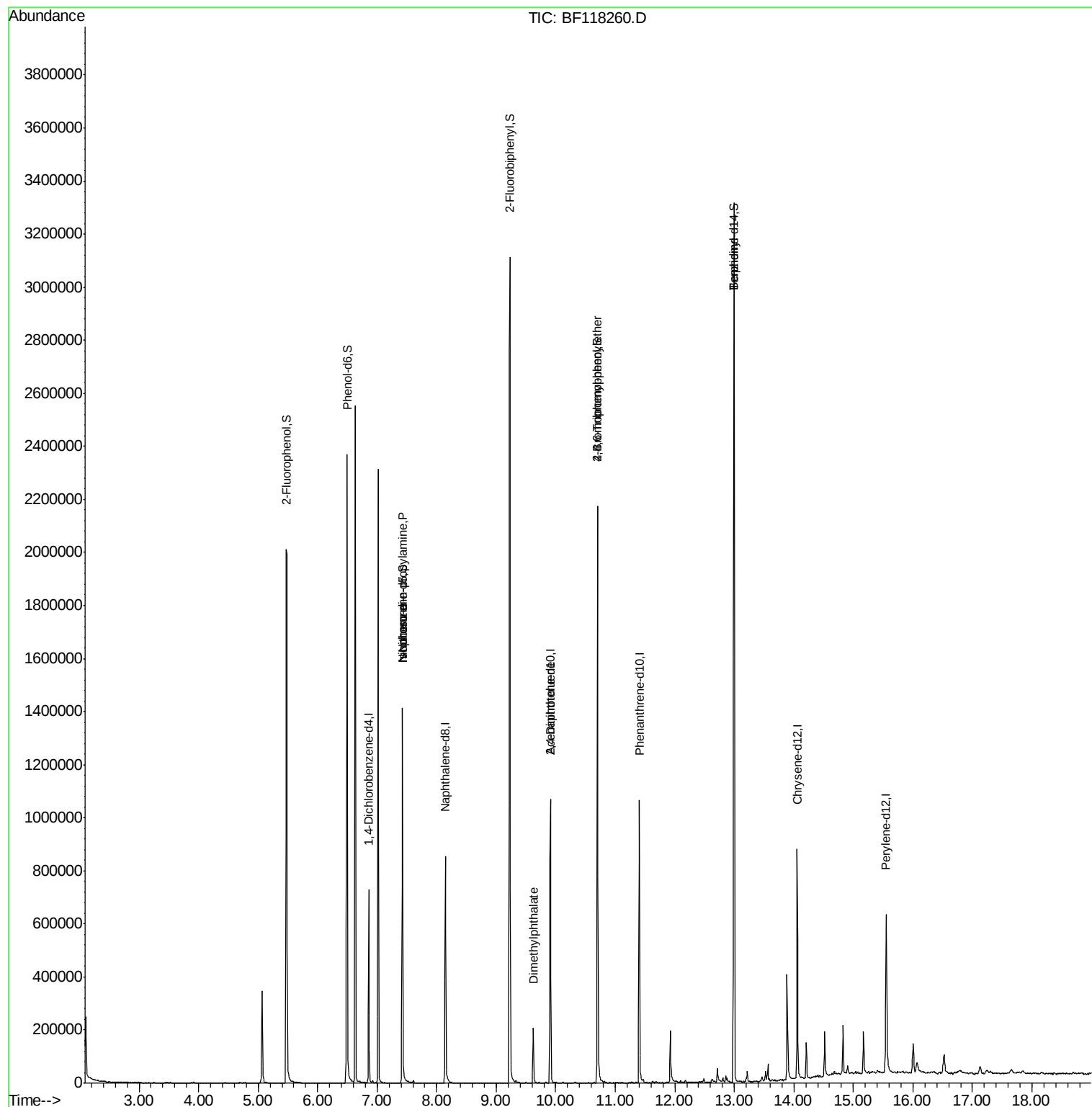
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105787	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	415394	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	221508	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	417800	20.00	ng	0.00
76) Chrysene-d12	14.06	240	283910	20.00	ng	-0.01
87) Perylene-d12	15.55	264	261407	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	646874	107.10	ng	0.00
7) Phenol-d6	6.49	99	820213	112.27	ng	0.00
23) Nitrobenzene-d5	7.42	82	493484	66.83	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	287210	106.73	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1006982	69.17	ng	-0.01
79) Terphenyl-d14	13.00	244	1214774	73.58	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1329	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	64623	14.557 ng	#	78
25) Isophorone	7.42	82	493481	39.425 ng	#	62
50) Dimethylphthalate	9.62	163	98162	6.000 ng	#	99
57) 2,4-Dinitrotoluene	9.91	165	28002	5.897 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	17821	3.737 ng	#	1
77) Benizidine	12.99	184	16771	2.244 ng	#	93

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

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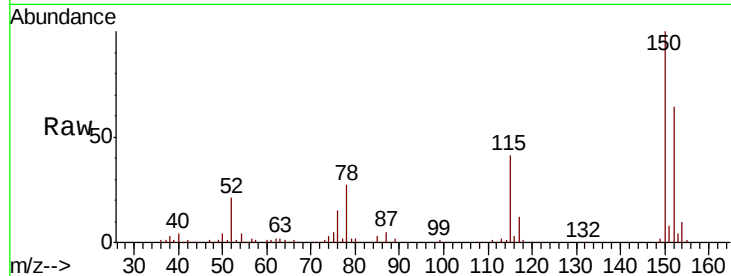


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118260.D
Acq: 18 Dec 2019 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	128.3	192.5
115	63.9	51.1	76.7

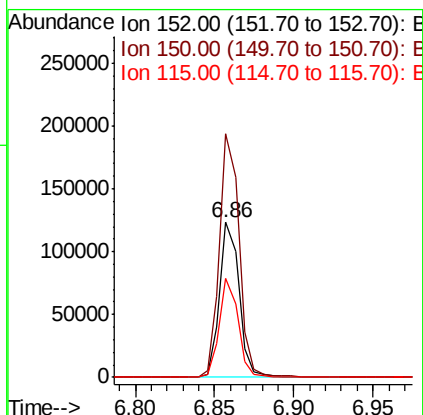
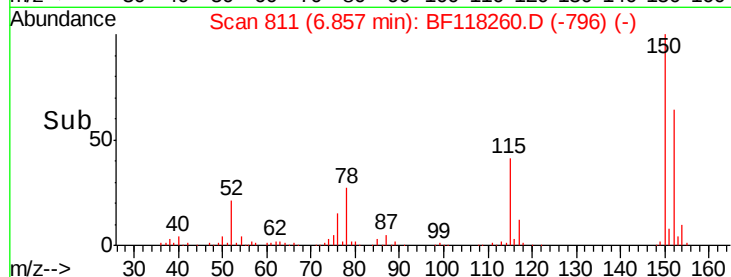


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

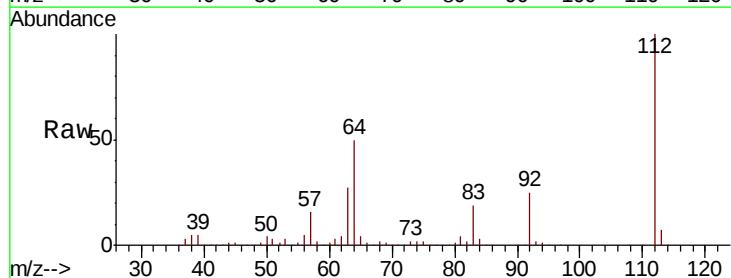
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 107.100 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF118260.D
Acq: 18 Dec 2019 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	41.3	61.9
63	26.7	22.4	33.6

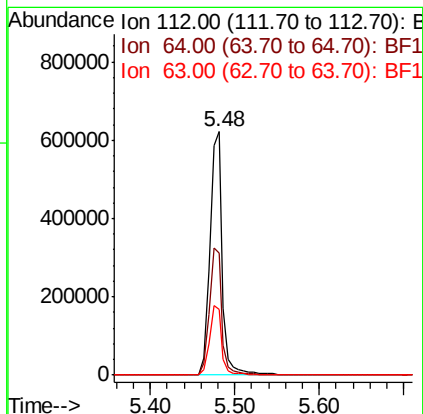
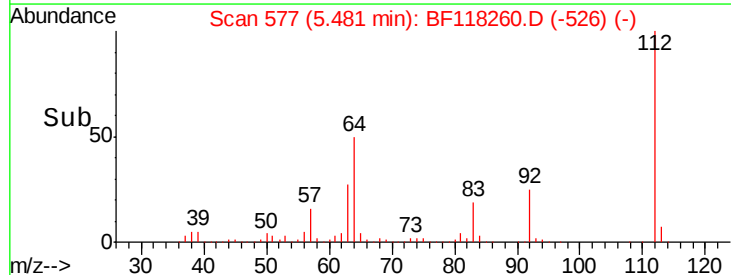


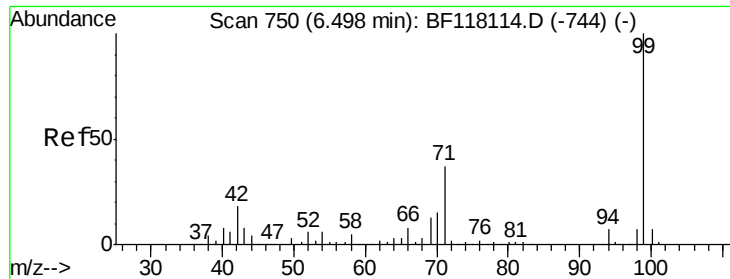
Abundance

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: 112.274 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampled :

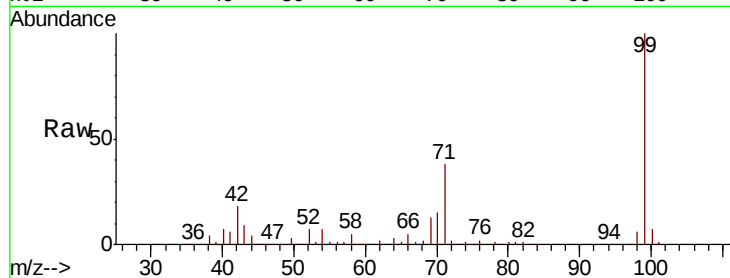
Tot Ion: 99 Resp: 820213

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

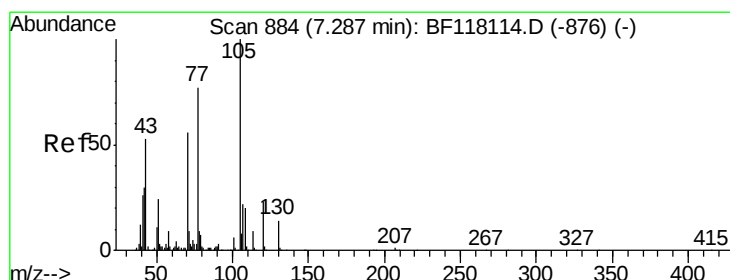
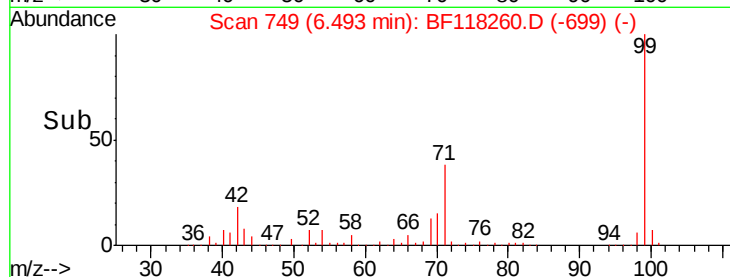
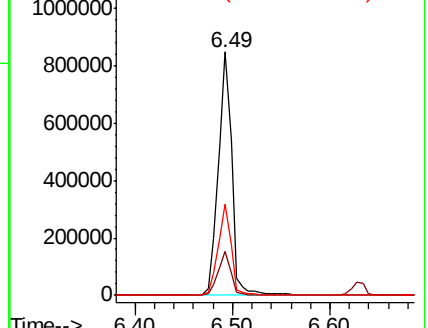
71 37.6 29.7 44.5



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: 14.557 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Tgt Ion: 70 Resp: 64623

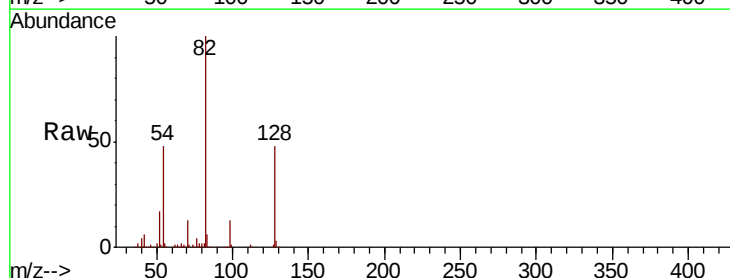
Ion Ratio Lower Upper

70 100

42 46.8 43.2 64.8

101 0.0 8.1 12.1#

130 2.5 19.8 29.8#

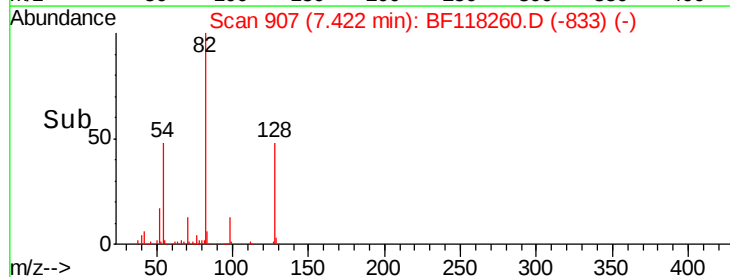
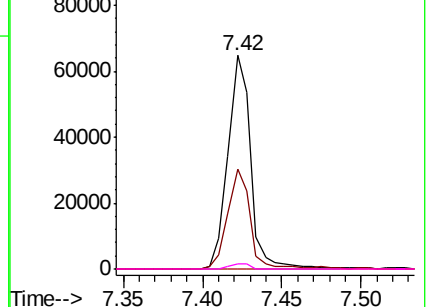


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415394

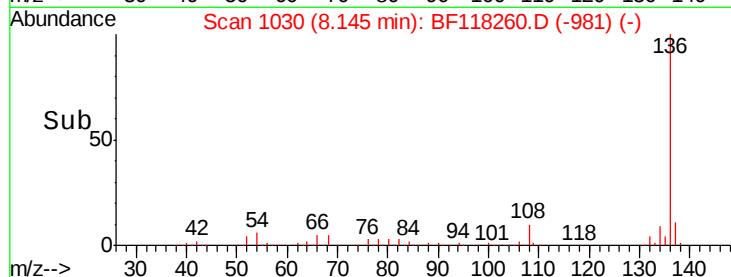
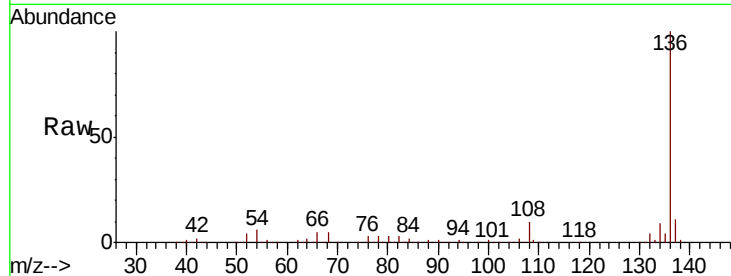
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 6.2 5.0 7.6

68 4.6 3.8 5.8

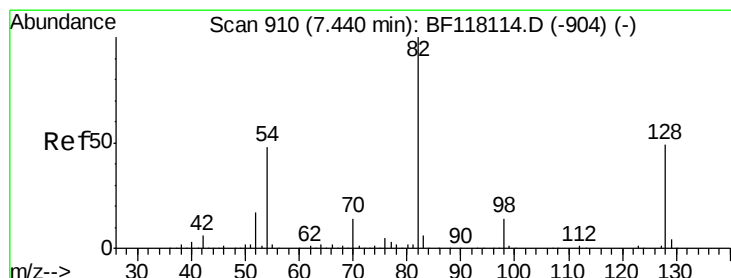
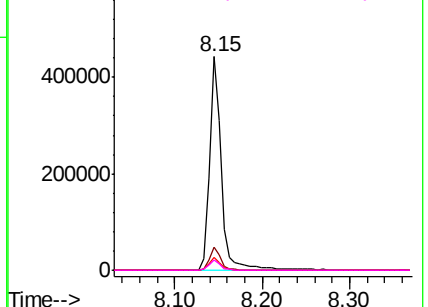


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.834 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

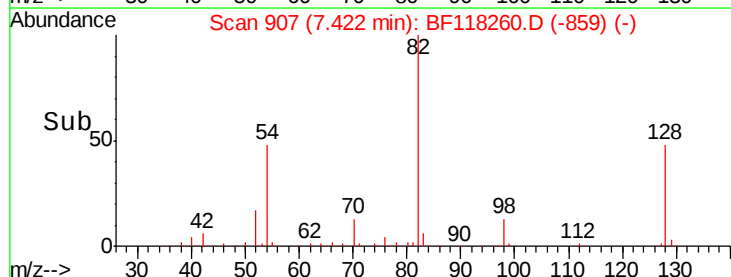
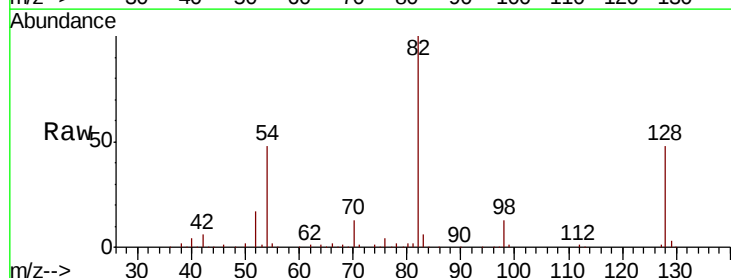
Tgt Ion: 82 Resp: 493484

Ion Ratio Lower Upper

82 100

128 48.5 39.1 58.7

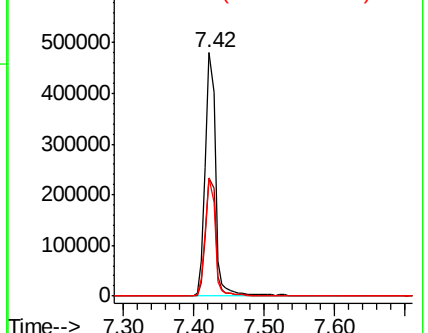
54 48.5 38.2 57.2

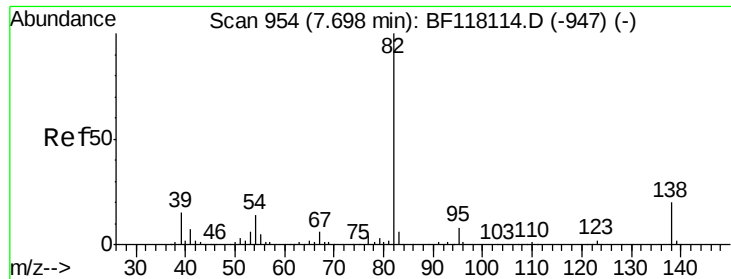


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.425 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampleId :

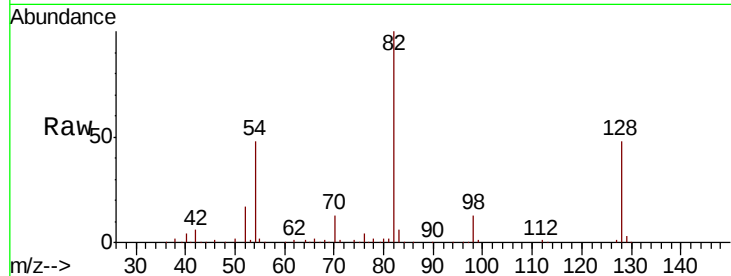
Tot Ion: 82 Resp: 493481

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#

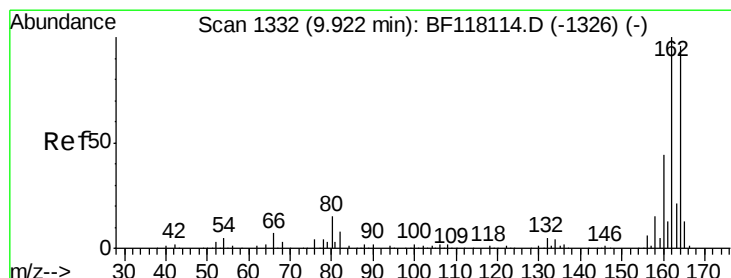
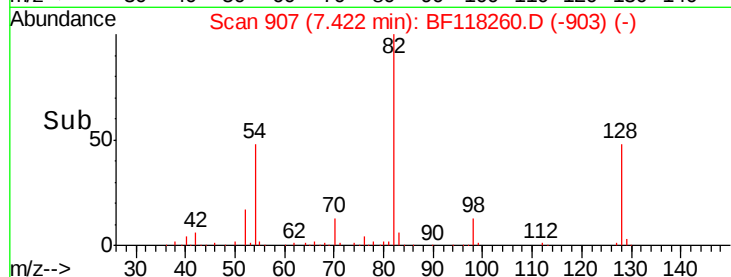


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

600000
500000
400000
300000
200000
100000
0

7.42

Time--> 7.30 7.40 7.50 7.60



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

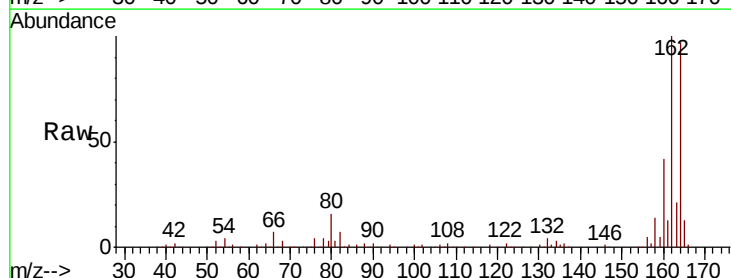
Tgt Ion: 164 Resp: 221508

Ion Ratio Lower Upper

164 100

162 103.3 83.4 125.0

160 43.7 36.6 54.8

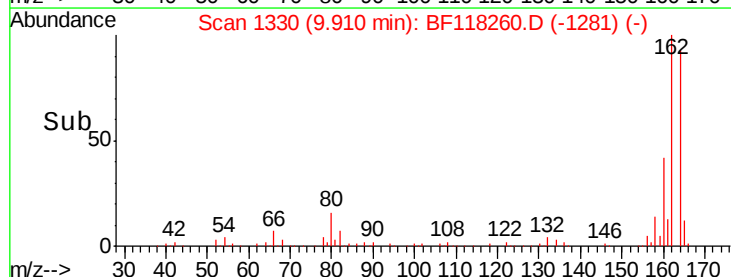


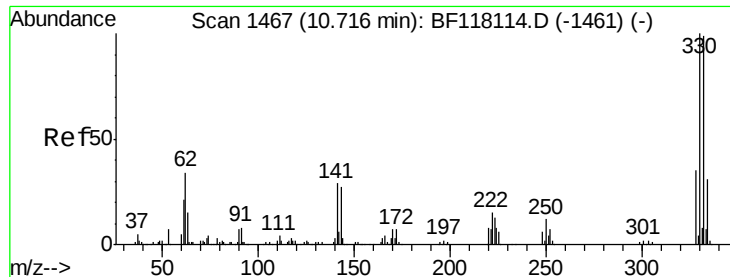
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

300000
200000
100000
0

9.91

Time--> 9.90 10.00





#42

2,4,6-Tribromophenol

Concen: 106.733 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampleId :

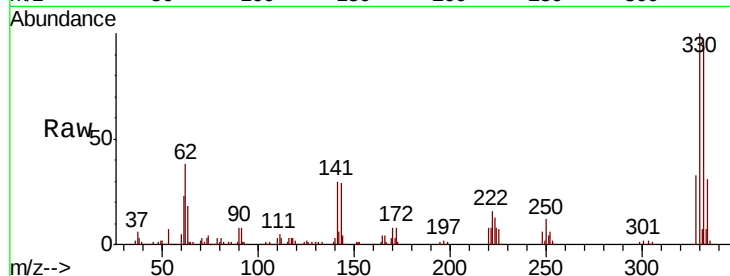
Tot Ion:330 Resp: 287210

Ion Ratio Lower Upper

330 100

332 95.8 78.1 117.1

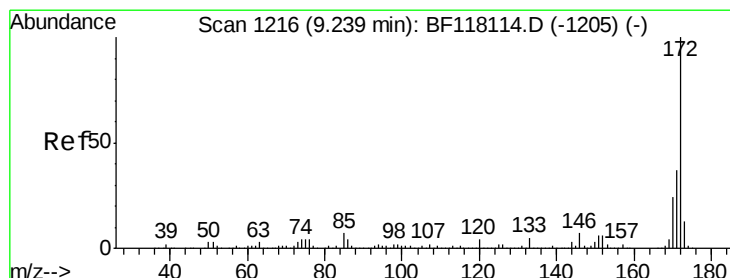
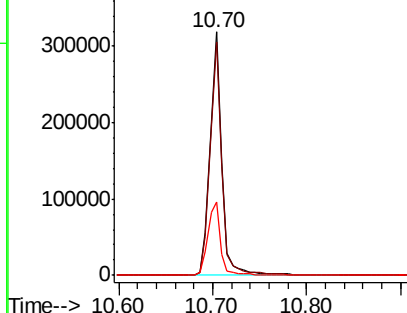
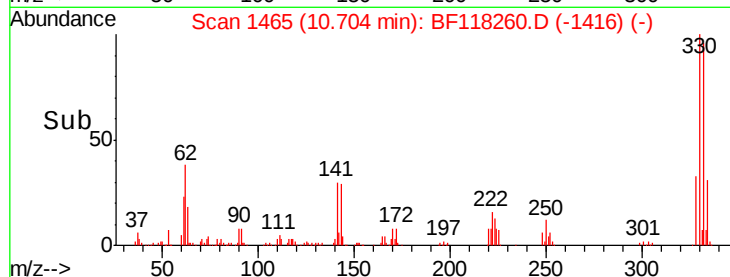
141 32.5 26.9 40.3



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: 69.174 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

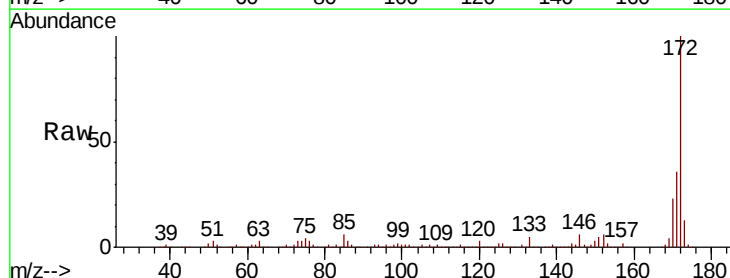
Tgt Ion:172 Resp: 1006982

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

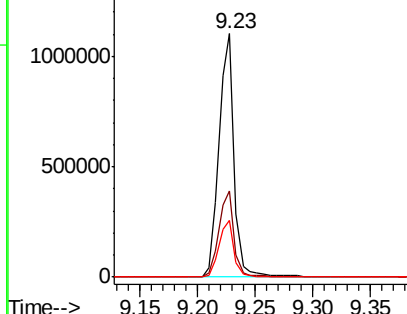
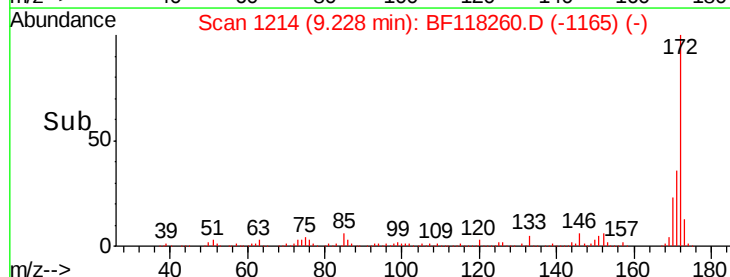
170 23.2 19.4 29.2

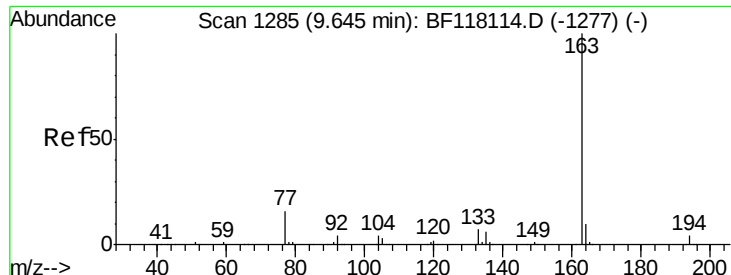


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

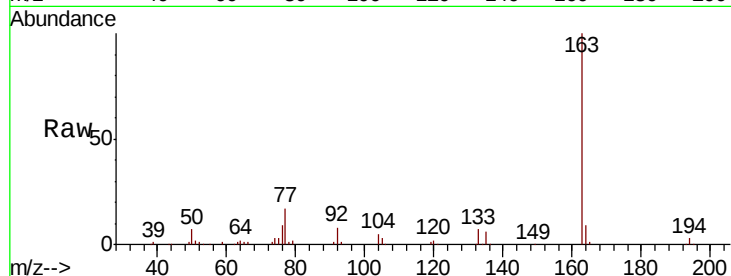




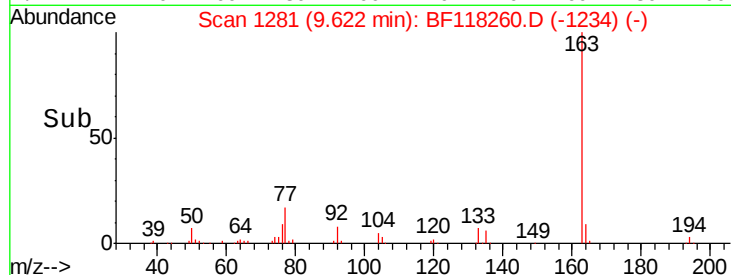
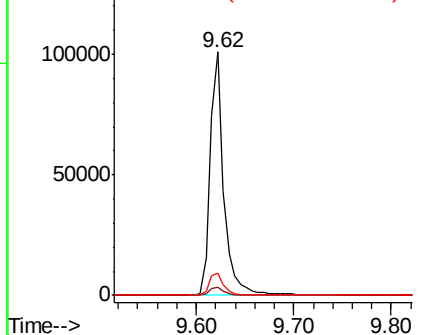
#50
Dimethylphthalate
Concen: 6.000 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118260.D
Acq: 18 Dec 2019 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 98162
Ion Ratio Lower Upper
163 100
194 3.4 3.1 4.7
164 9.3 7.7 11.5

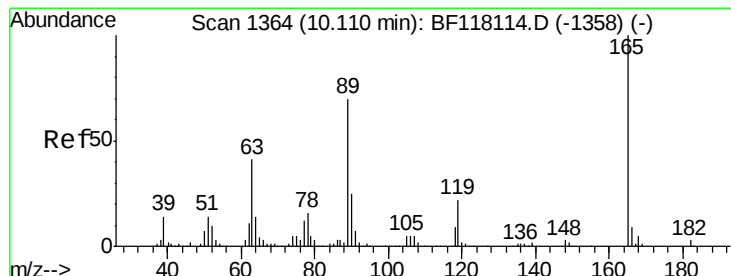


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

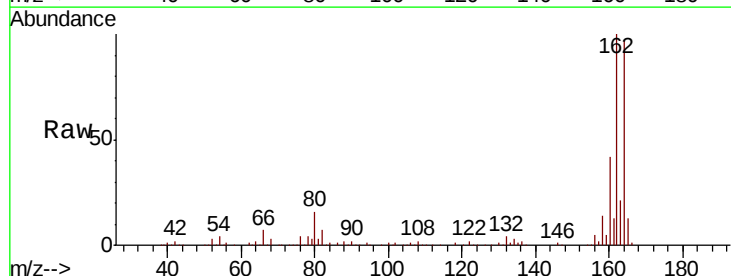
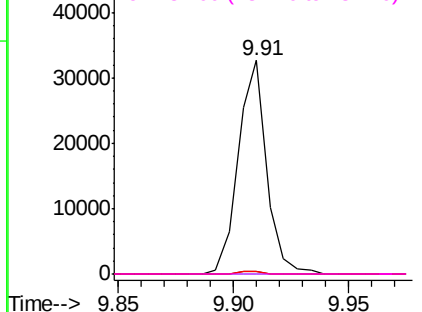


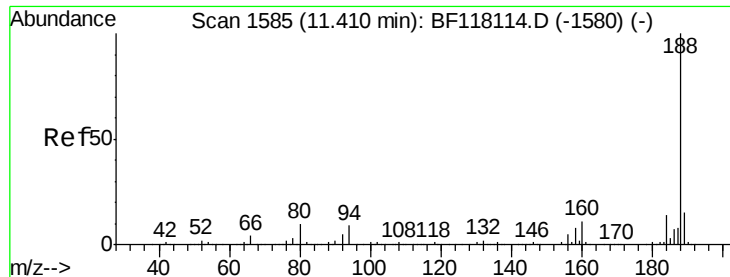
#57
2,4-Dinitrotoluene
Concen: 5.897 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.20 min
Lab File: BF118260.D
Acq: 18 Dec 2019 15:48

Tgt Ion:165 Resp: 28002
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.2 56.1 84.1#
182 0.0 2.1 3.1#



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

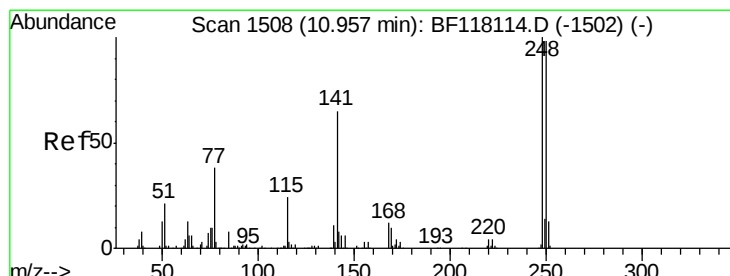
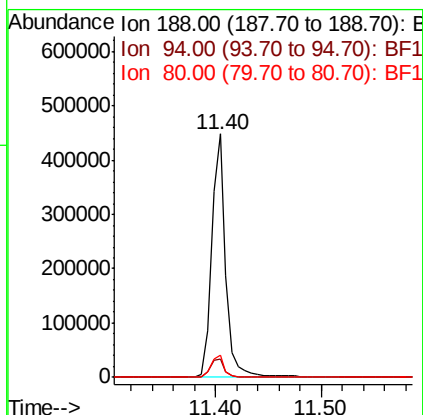
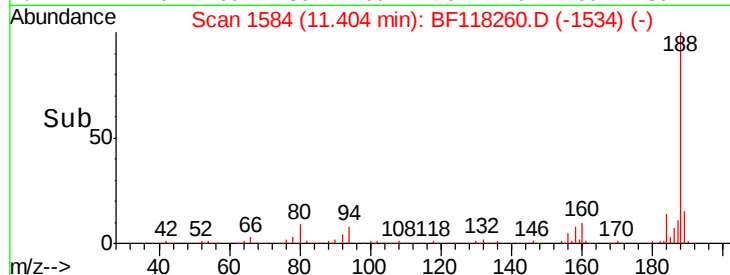
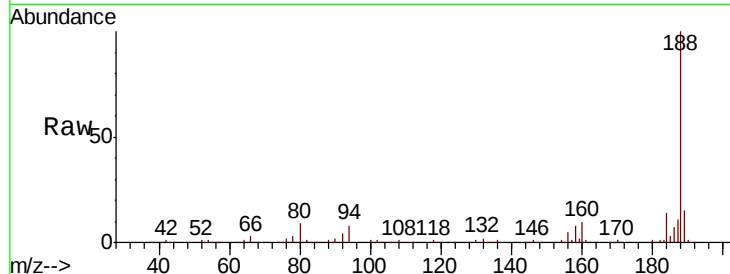




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118260.D
 Acq: 18 Dec 2019 15:48

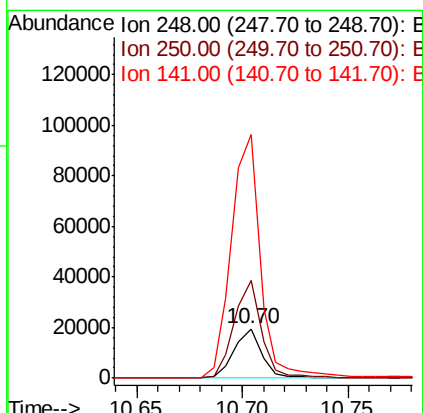
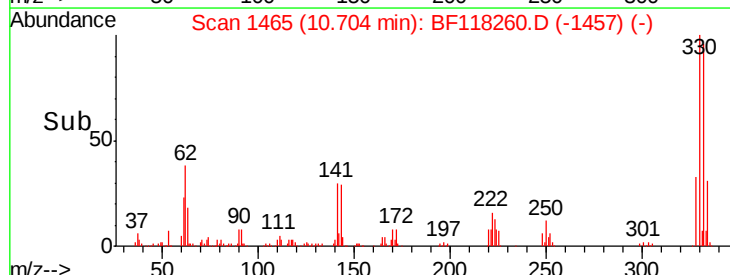
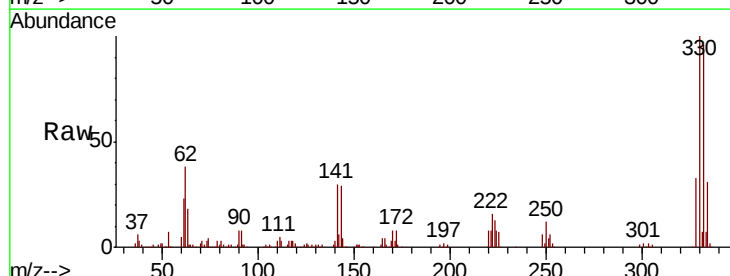
Instrument :
 BNA_F
 ClientSampled :

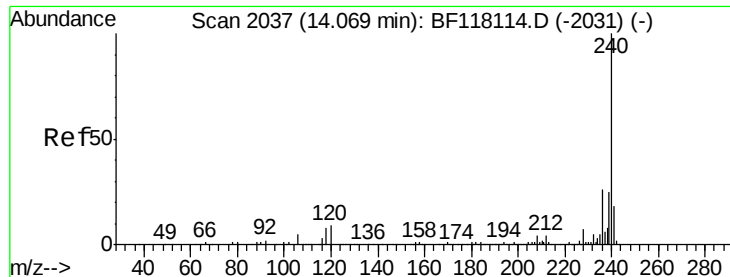
Tot Ion:188 Resp: 417800
 Ion Ratio Lower Upper
 188 100
 94 7.5 7.1 10.7
 80 8.9 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 3.737 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118260.D
 Acq: 18 Dec 2019 15:48

Tgt Ion:248 Resp: 17821
 Ion Ratio Lower Upper
 248 100
 250 195.6 78.3 117.5#
 141 490.4 52.2 78.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampleId :

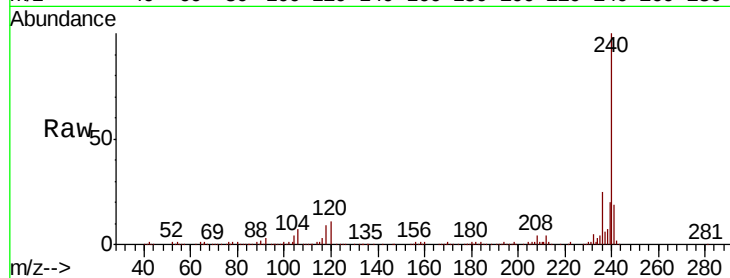
Tot Ion:240 Resp: 283910

Ion Ratio Lower Upper

240 100

120 10.8 7.1 10.7#

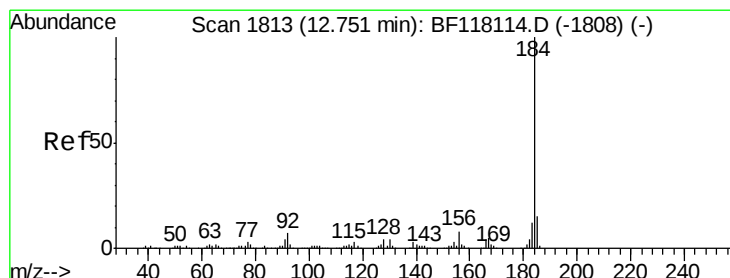
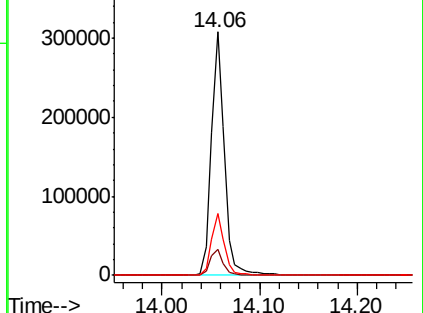
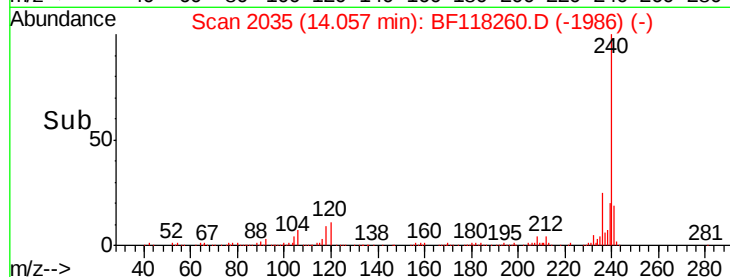
236 25.5 21.0 31.6



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: 2.244 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.24 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

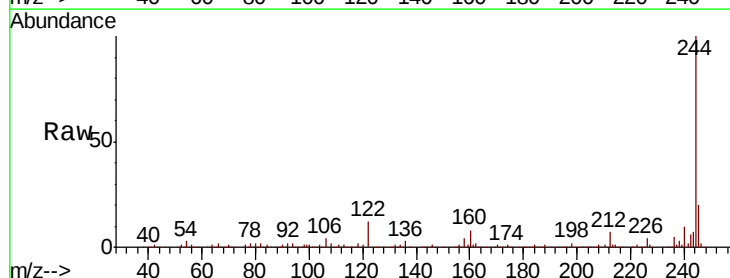
Tgt Ion:184 Resp: 16771

Ion Ratio Lower Upper

184 100

185 15.4 12.3 18.5

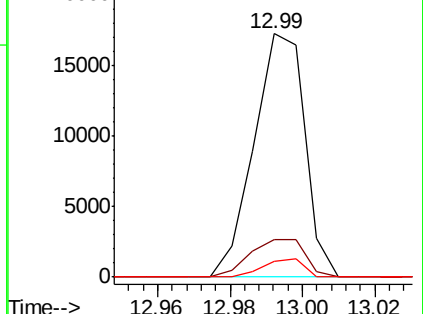
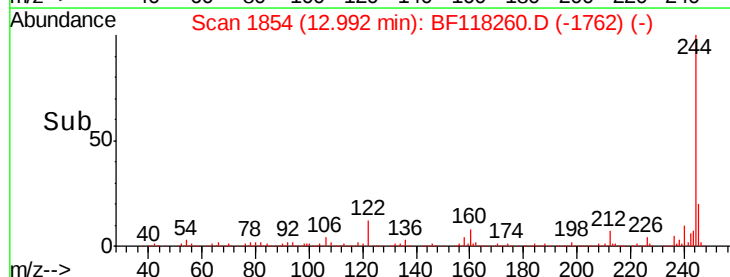
183 6.6 9.9 14.9#

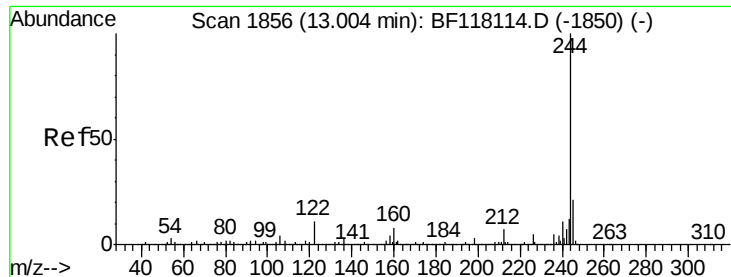


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 73.578 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

Instrument :

BNA_F

ClientSampleId :

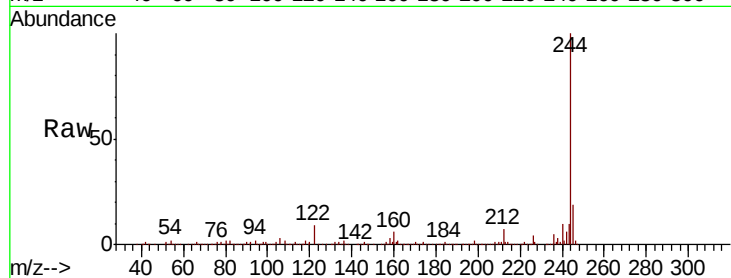
Tot Ion:244 Resp: 1214774

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

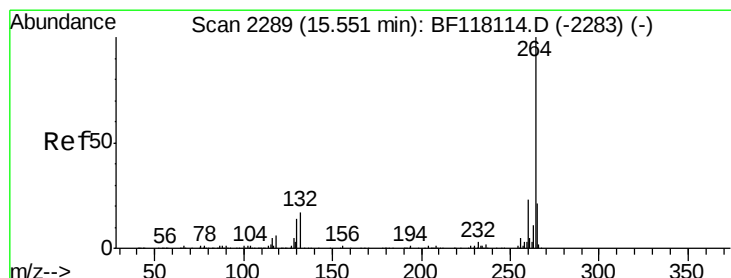
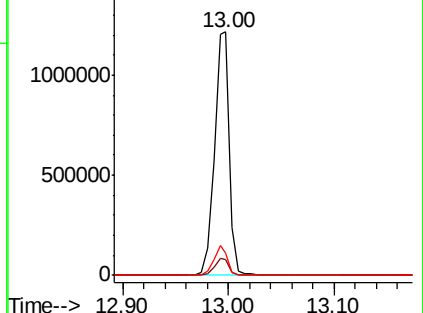
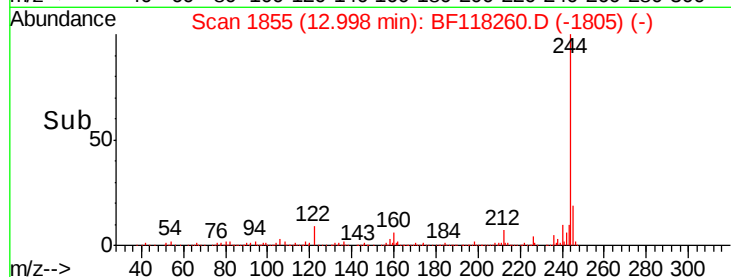
122 9.2 9.0 13.6



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: 15.55 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BF118260.D

Acq: 18 Dec 2019 15:48

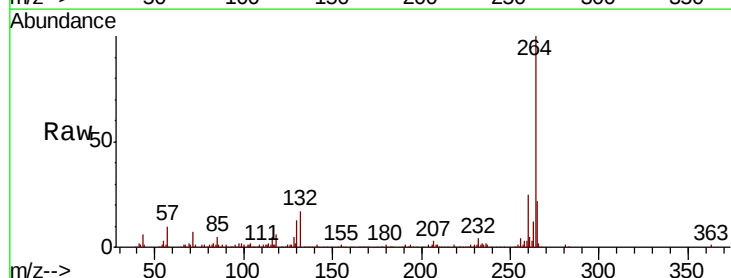
Tgt Ion:264 Resp: 261407

Ion Ratio Lower Upper

264 100

260 24.5 18.6 28.0

265 22.3 16.8 25.2



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

