

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113792.D
 Acq On : 16 Apr 2019 14:29
 Operator : JU/SJ
 Sample : K2414-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 17:30:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 16 17:22:45 2019
 Response via : Initial Calibration

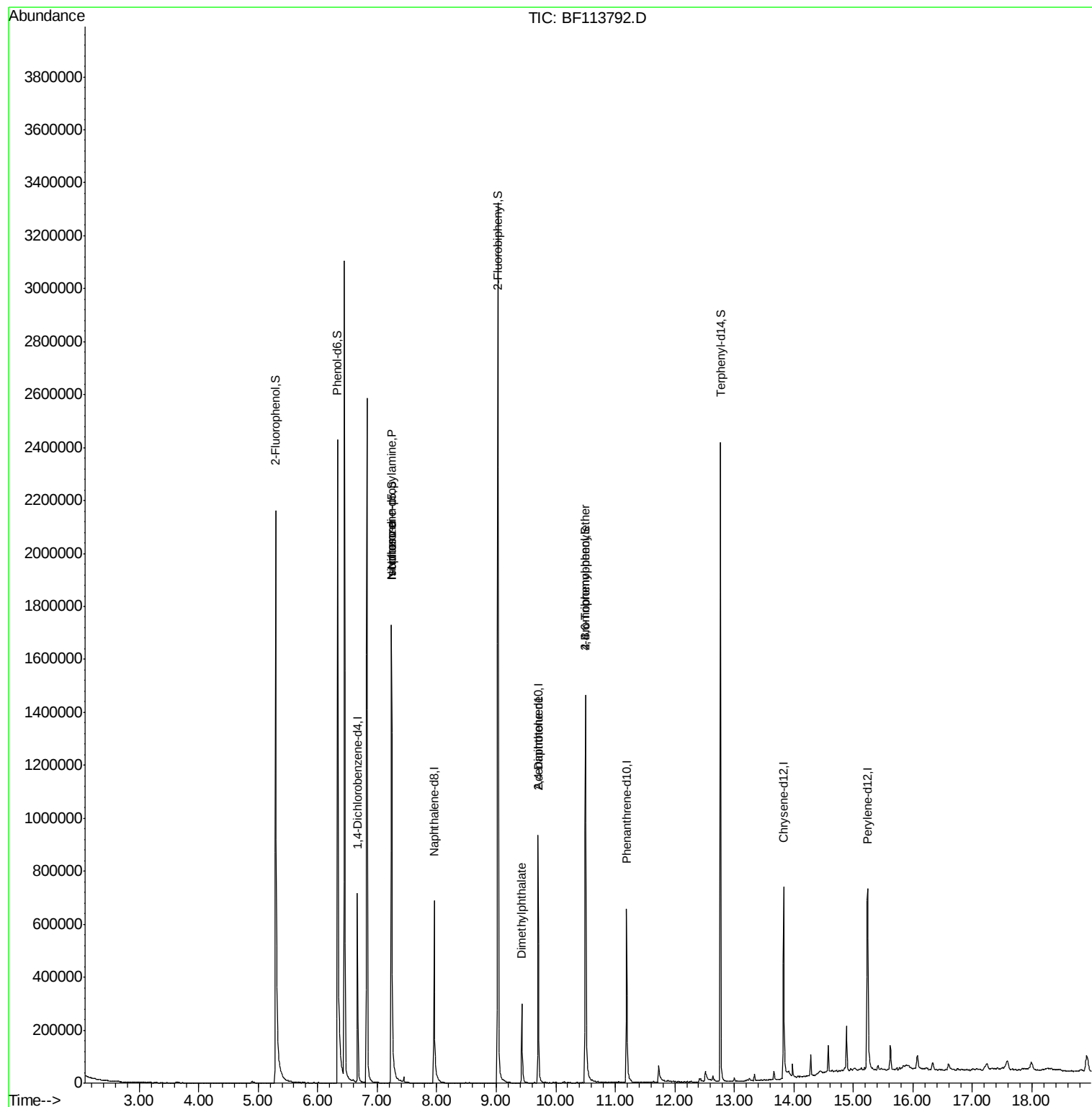
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	121957	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	448593	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	199143	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	349856	20.00	ng	0.00
76) Chrysene-d12	13.83	240	280276	20.00	ng	0.00
87) Perylene-d12	15.24	264	347473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	906444	126.74	ng	0.00
7) Phenol-d6	6.33	99	1180884	133.97	ng	0.00
23) Nitrobenzene-d5	7.24	82	690914	90.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	251721	105.23	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1122731	90.76	ng	0.00
79) Terphenyl-d14	12.77	244	857827	62.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	87376	16.075	ng	# 78
25) Isophorone	7.24	82	683082	46.302	ng	# 64
50) Dimethylphthalate	9.43	163	165032	11.242	ng	100
57) 2,4-Dinitrotoluene	9.70	165	24777	6.331	ng	# 28
67) 4-Bromophenyl-phenylether	10.50	248	13572	3.459	ng	# 1

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

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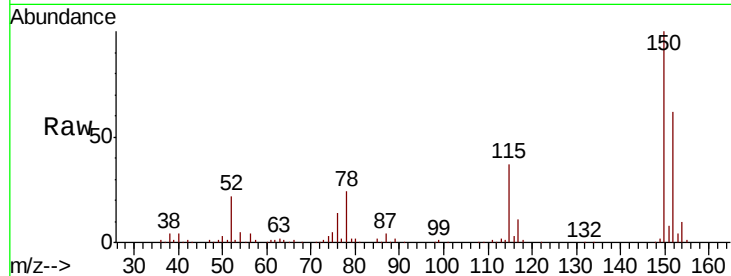


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF113792.D
Acq: 16 Apr 2019 14:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.1	187.7
115	59.1	43.9	65.9

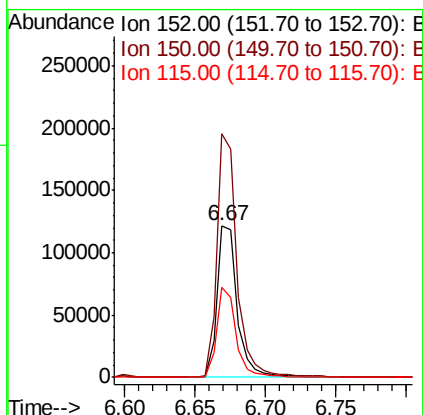
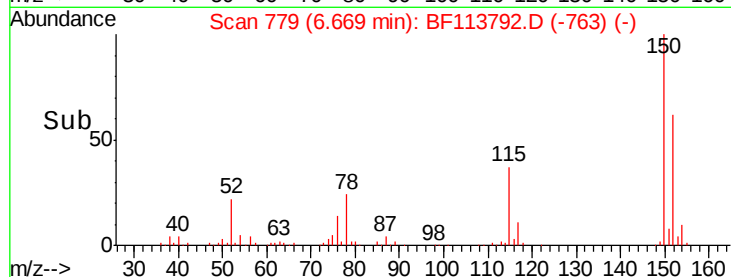


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

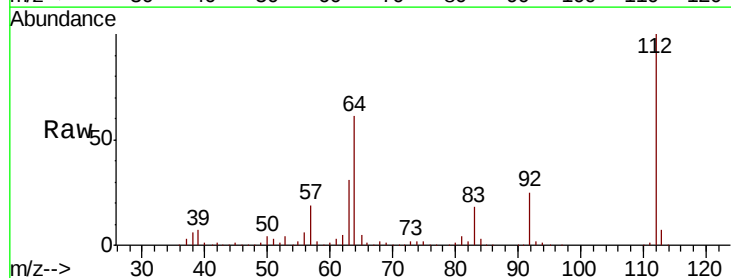
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.741 ng
RT: 5.29 min Scan# 545
Delta R.T. 0.00 min
Lab File: BF113792.D
Acq: 16 Apr 2019 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.4
63	30.9	24.2	36.4

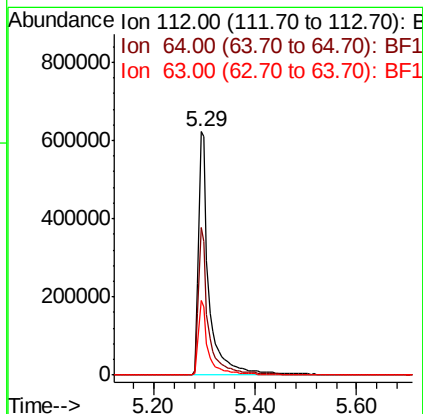
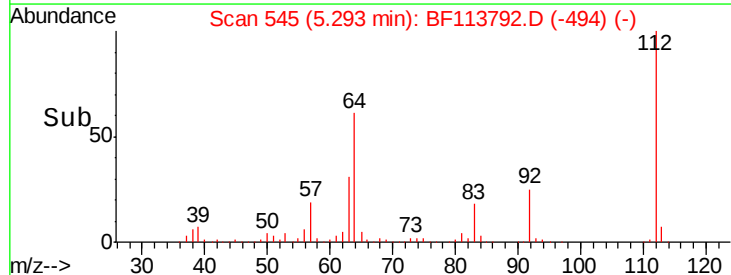


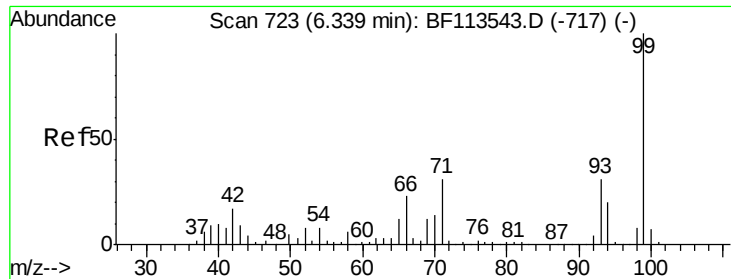
Abundance

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: 133.966 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

Instrument :

BNA_F

ClientSampled :

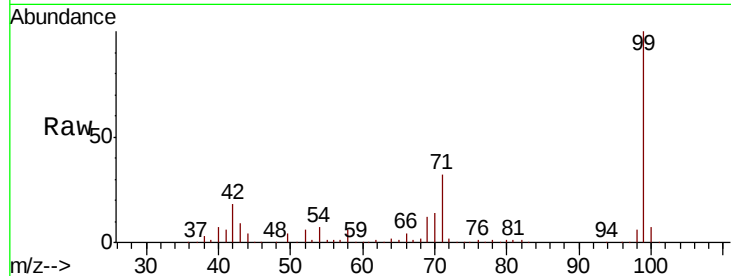
Tot Ion: 99 Resp: 1180884

Ion Ratio Lower Upper

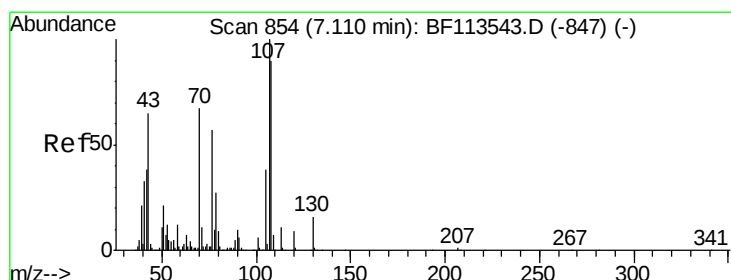
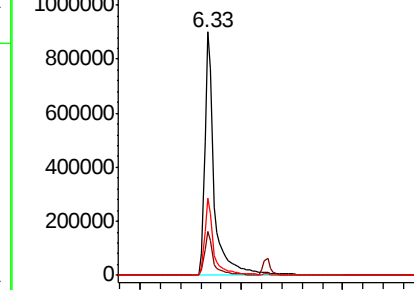
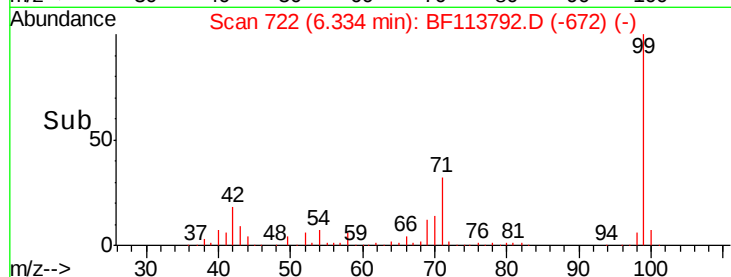
99 100

42 18.2 15.2 22.8

71 31.8 25.4 38.2



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: 16.075 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.14 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

Tgt Ion: 70 Resp: 87376

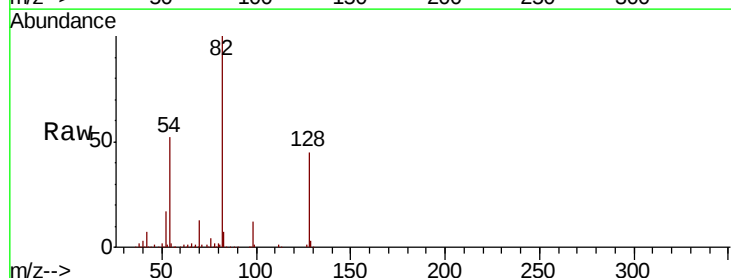
Ion Ratio Lower Upper

70 100

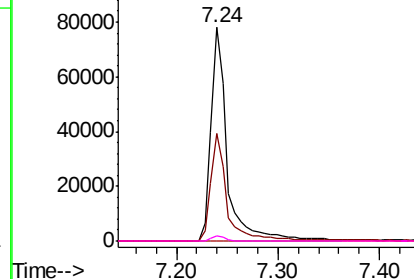
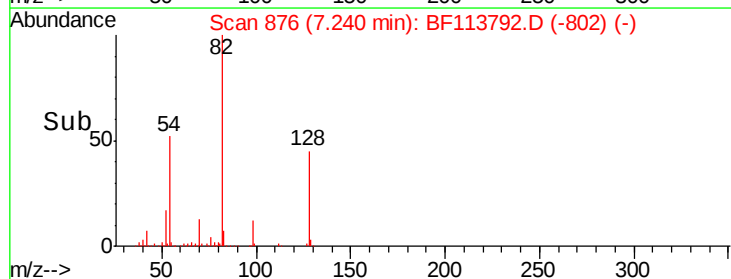
42 50.3 49.0 73.6

101 0.0 7.8 11.6#

130 2.5 17.8 26.6#



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): B
Ion 130.00 (129.70 to 130.70): B





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.00 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 448593

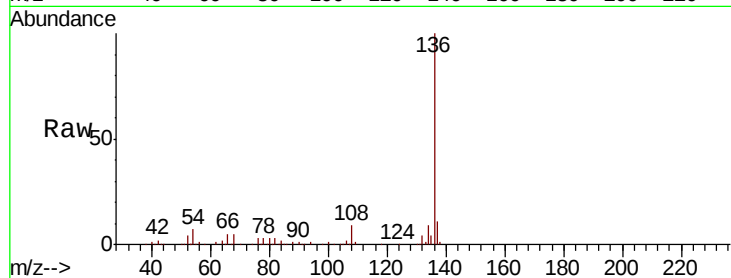
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.3 6.4 9.6

68 5.5 4.6 7.0

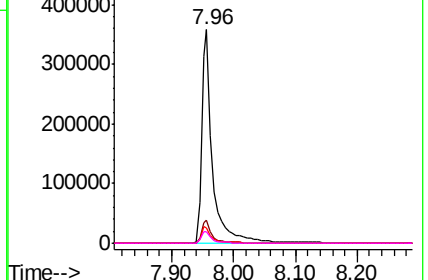
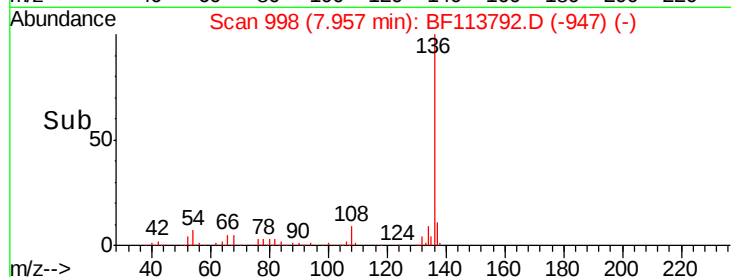


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.216 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

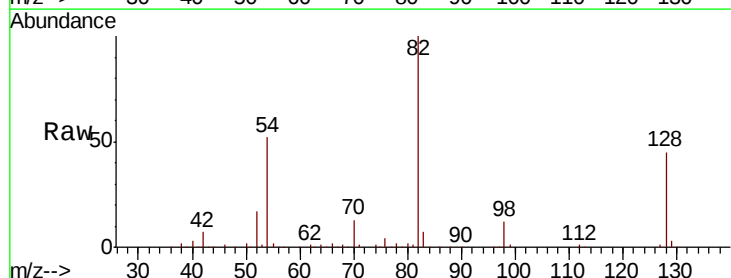
Tgt Ion: 82 Resp: 690914

Ion Ratio Lower Upper

82 100

128 45.3 38.2 57.2

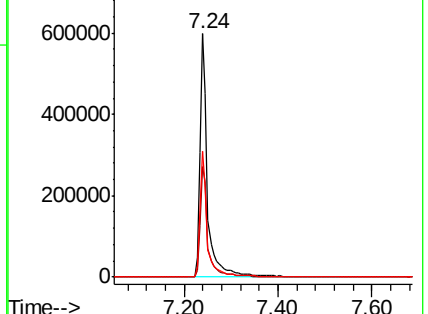
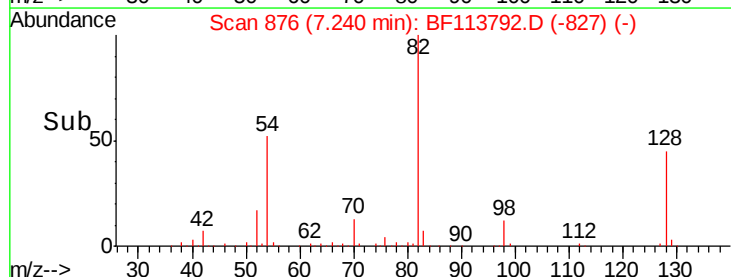
54 51.9 41.0 61.4



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: 46.302 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.27 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

Instrument :

BNA_F

ClientSampleId :

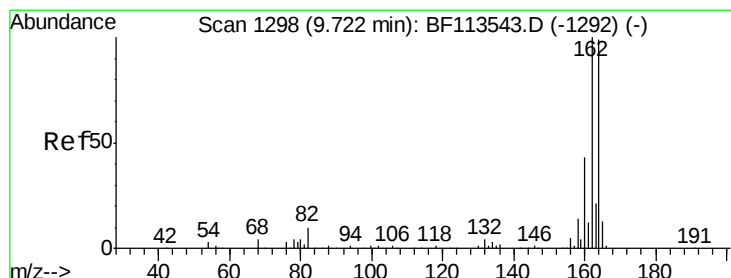
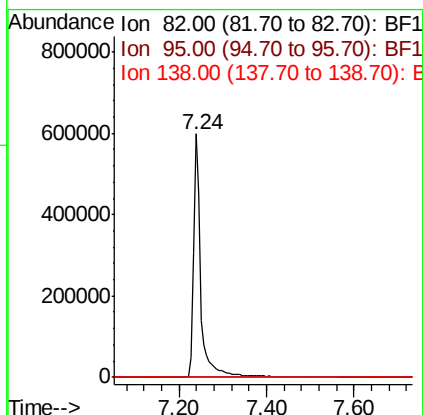
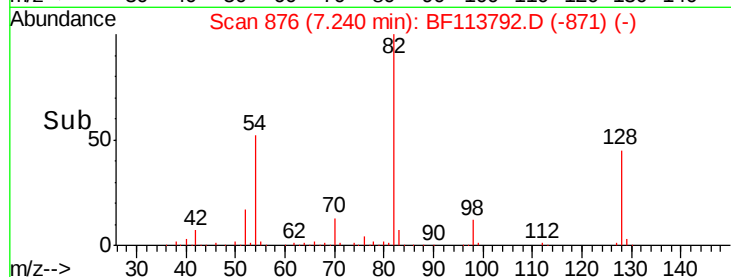
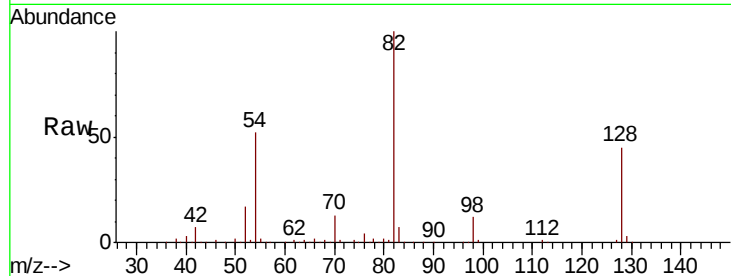
Tot Ion: 82 Resp: 683082

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

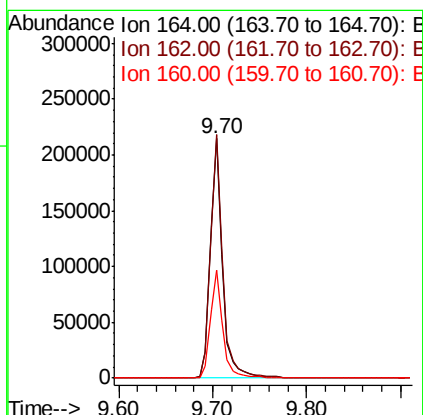
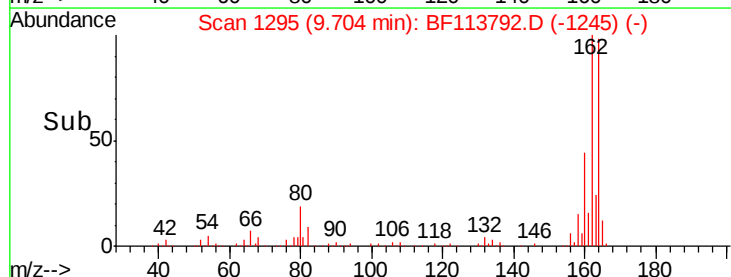
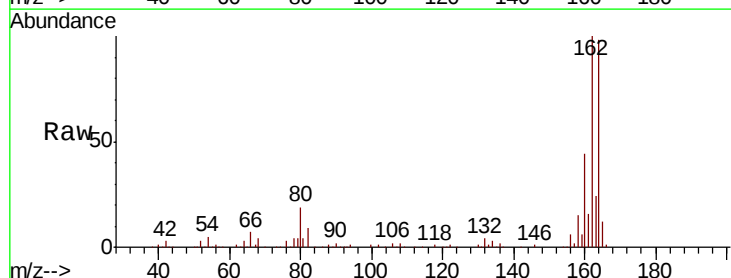
Tgt Ion:164 Resp: 199143

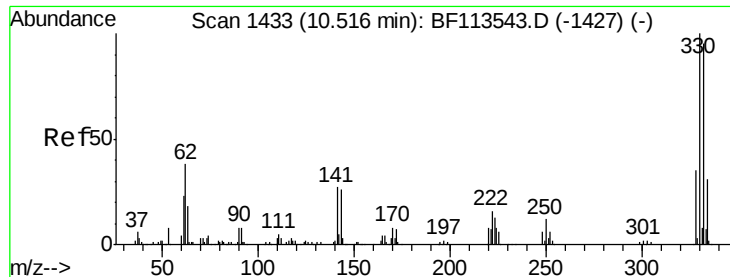
Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

160 45.0 35.8 53.6

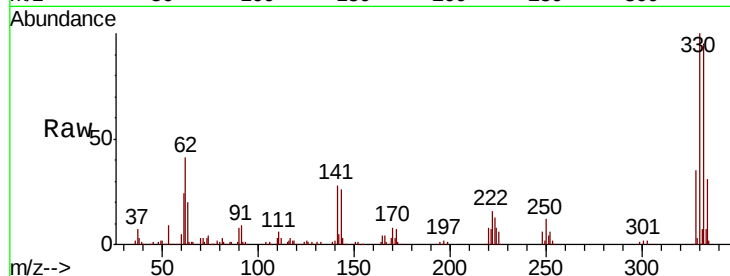




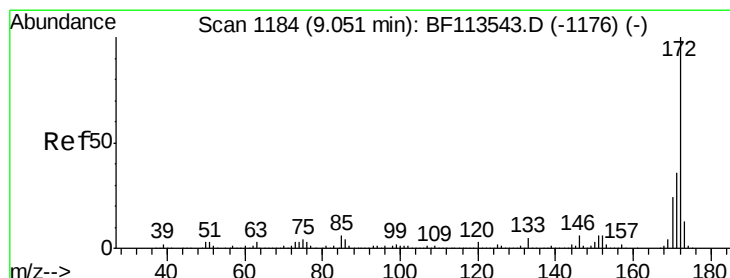
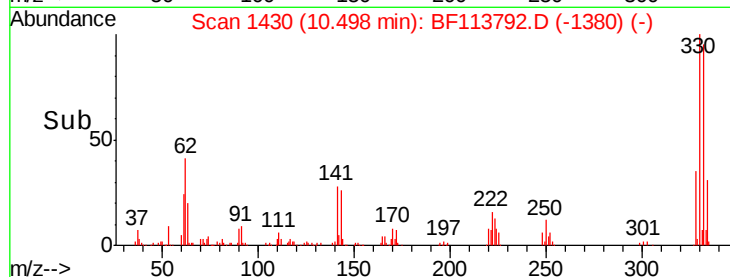
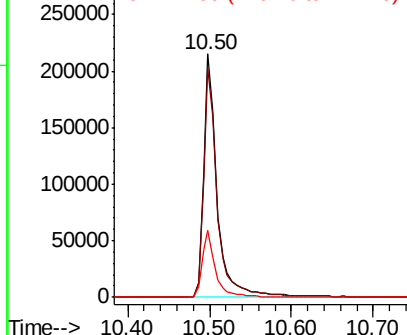
#42
 2,4,6-Tribromophenol
 Concen: 105.226 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF113792.D
 Acq: 16 Apr 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 251721
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 27.5 21.0 31.4

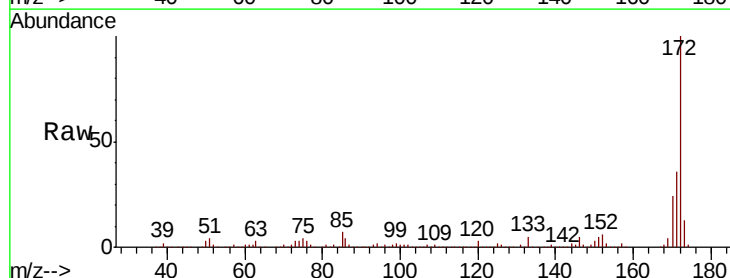


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

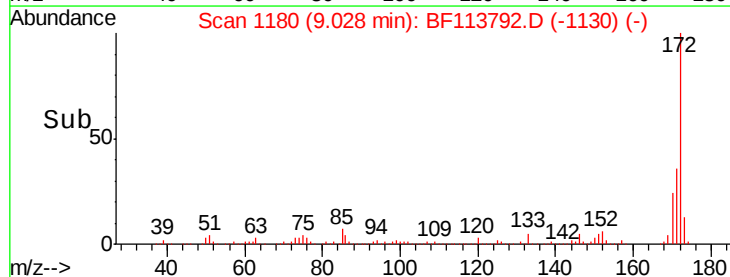
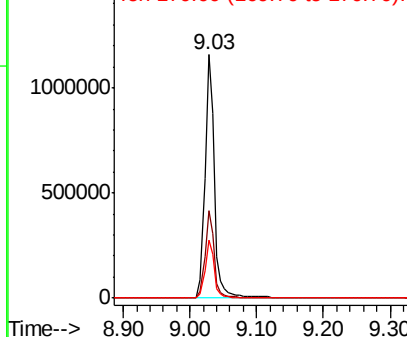


#45
 2-Fluorobiphenyl
 Concen: 90.763 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF113792.D
 Acq: 16 Apr 2019 14:29

Tgt Ion:172 Resp: 1122731
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 23.9 19.6 29.4



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

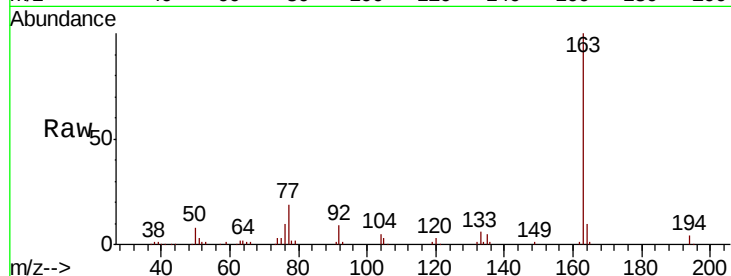




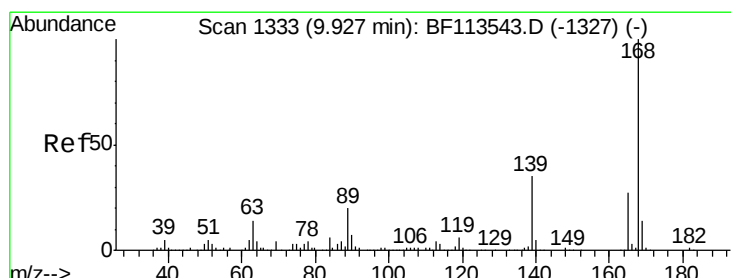
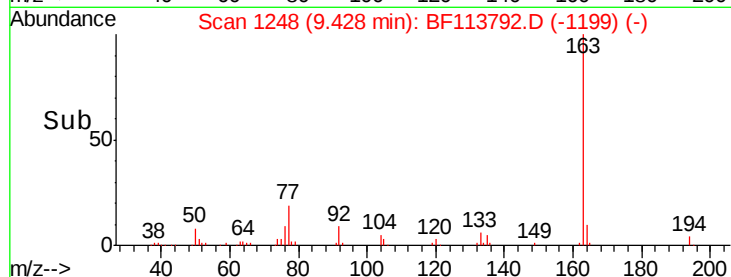
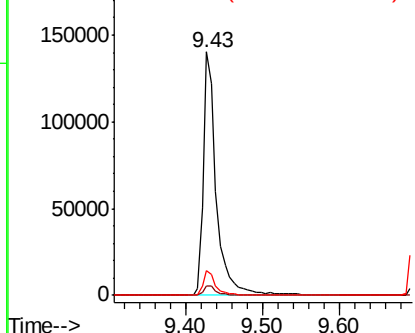
#50
Dimethylphthalate
Concen: 11.242 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF113792.D
Acq: 16 Apr 2019 14:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 165032
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.2 8.3 12.5

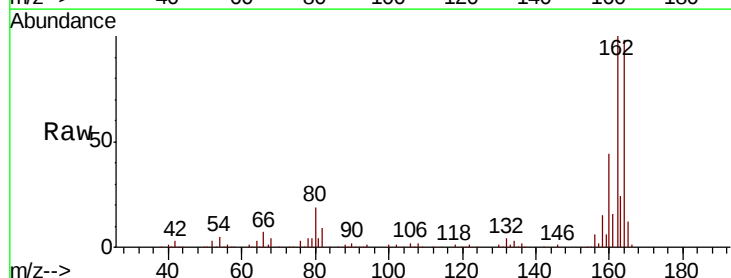


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

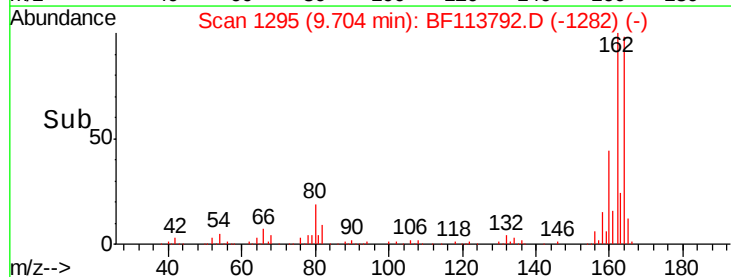
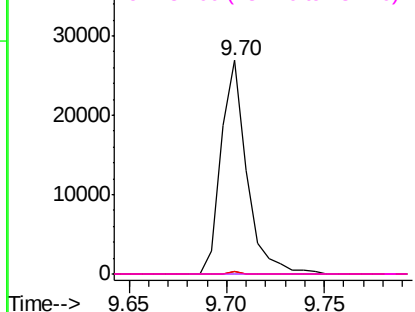


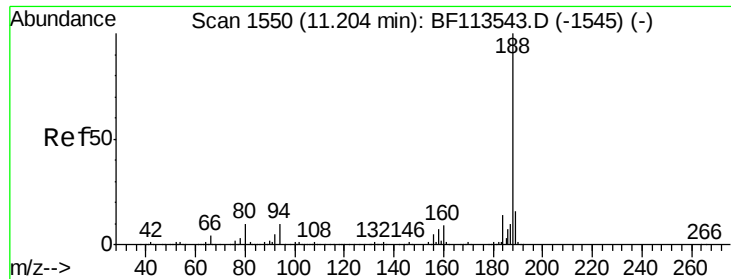
#57
2,4-Dinitrotoluene
Concen: 6.331 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.22 min
Lab File: BF113792.D
Acq: 16 Apr 2019 14:29

Tgt Ion:165 Resp: 24777
Ion Ratio Lower Upper
165 100
63 1.3 32.2 48.2#
89 1.1 51.3 76.9#
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

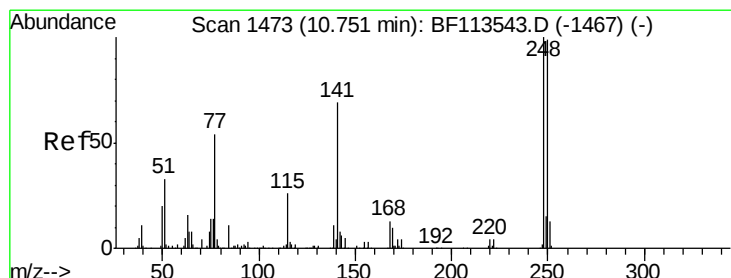
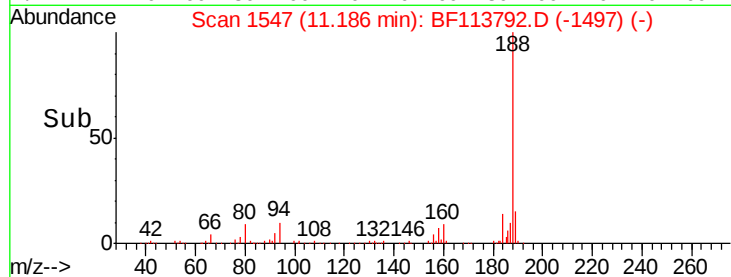
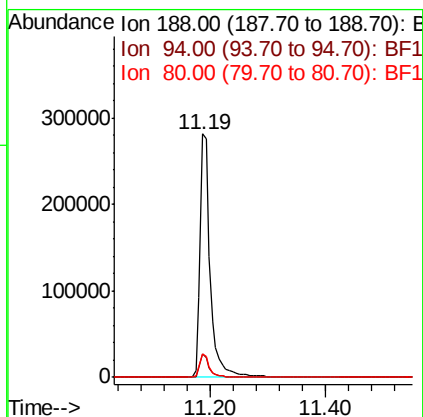
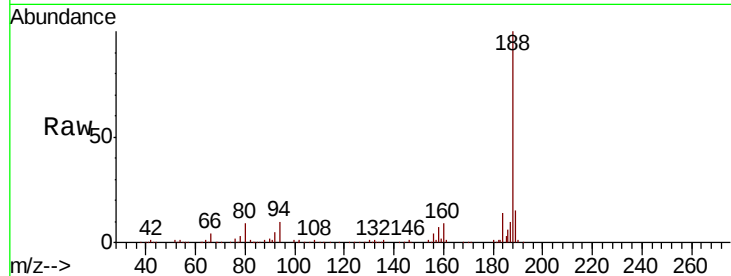




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF113792.D
 Acq: 16 Apr 2019 14:29

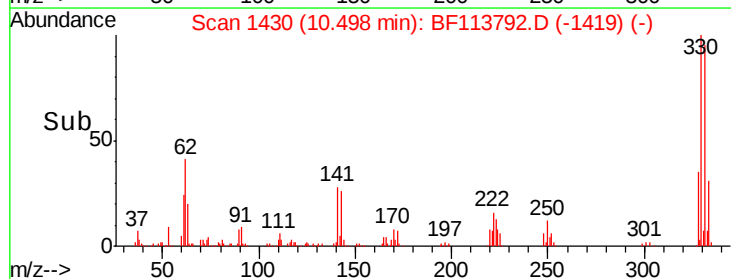
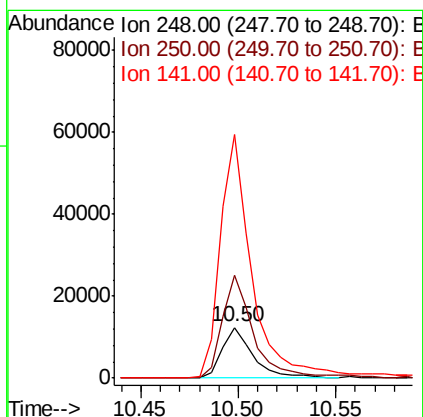
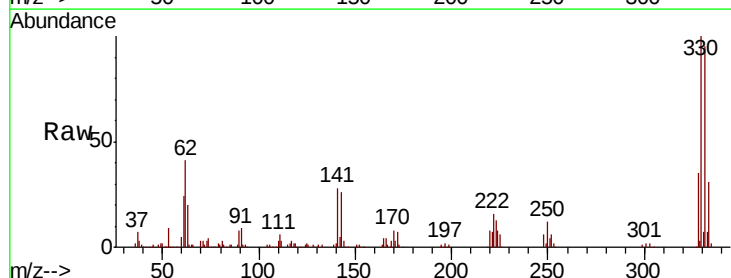
Instrument :
 BNA_F
 ClientSampleId :

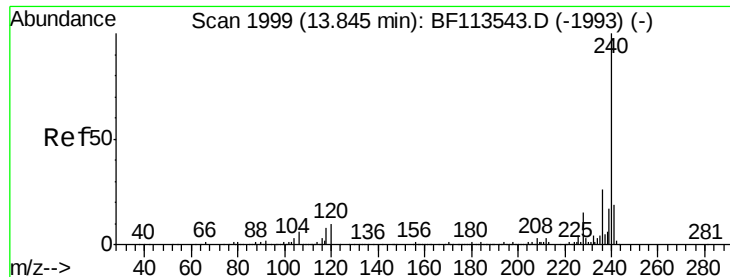
Tot Ion:188 Resp: 349856
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.2 10.8
 80 9.4 7.4 11.2



#67
 4-Bromophenyl-phenylether
 Concen: 3.459 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.24 min
 Lab File: BF113792.D
 Acq: 16 Apr 2019 14:29

Tgt Ion:248 Resp: 13572
 Ion Ratio Lower Upper
 248 100
 250 201.8 77.8 116.6#
 141 480.5 55.3 82.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

Instrument :

BNA_F

ClientSampleId :

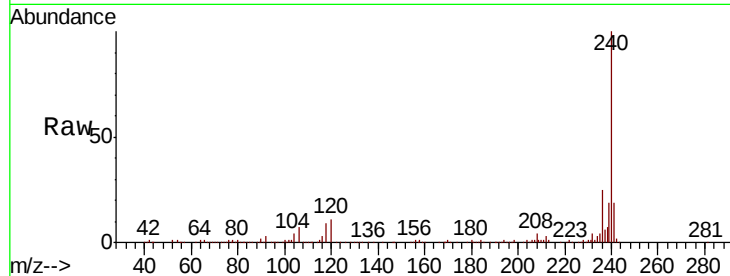
Tot Ion:240 Resp: 280276

Ion Ratio Lower Upper

240 100

120 11.0 8.5 12.7

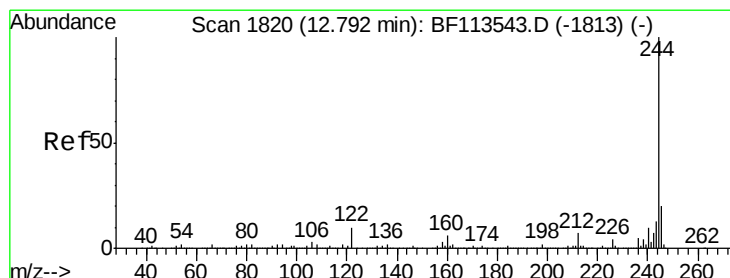
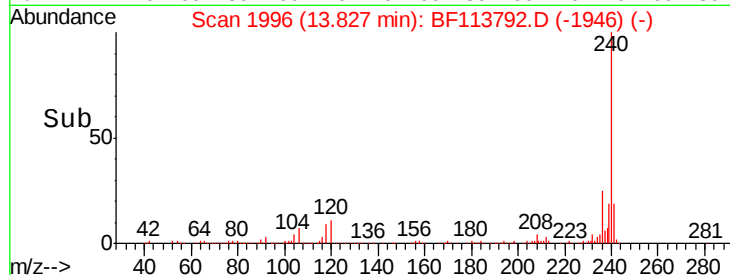
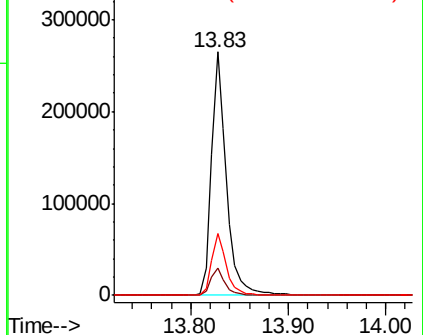
236 25.5 21.0 31.6



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



#79

Terphenyl-d14

Concen: 62.315 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF113792.D

Acq: 16 Apr 2019 14:29

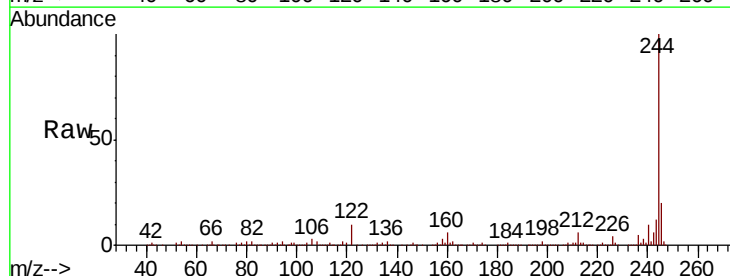
Tgt Ion:244 Resp: 857827

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

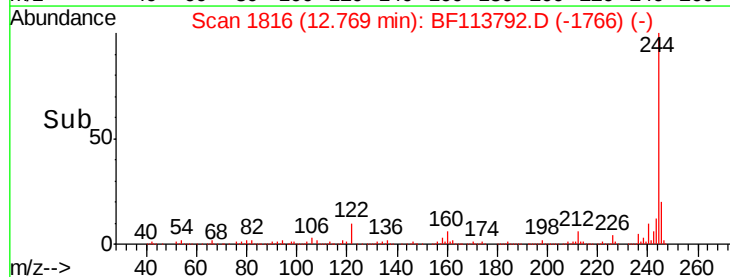
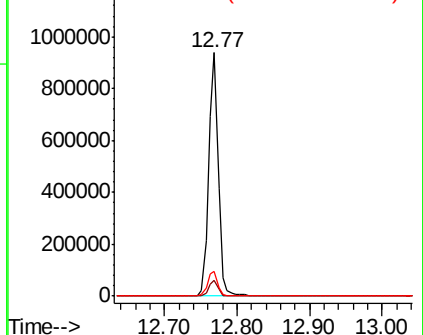
122 10.2 9.0 13.6

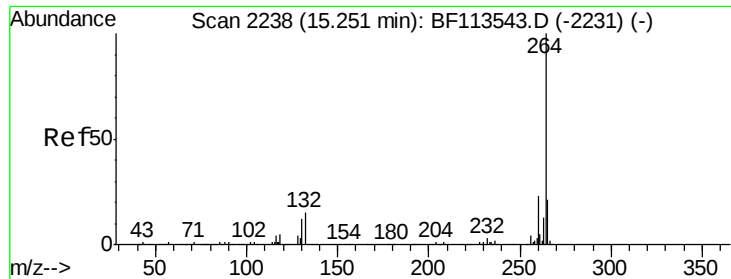


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

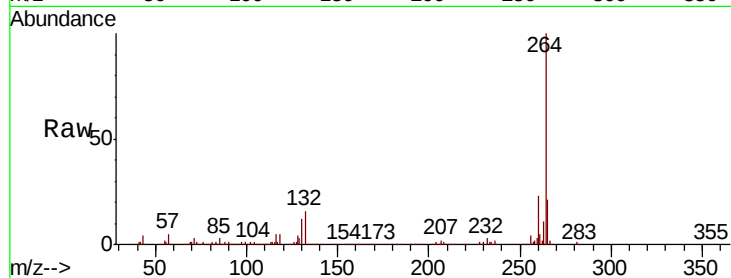




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BF113792.D
 Acq: 16 Apr 2019 14:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.6
265	21.5	17.4	26.0



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

