

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041219\
 Data File : BF113746.D
 Acq On : 12 Apr 2019 18:57
 Operator : JU/SJ
 Sample : K2377-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 23:01:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

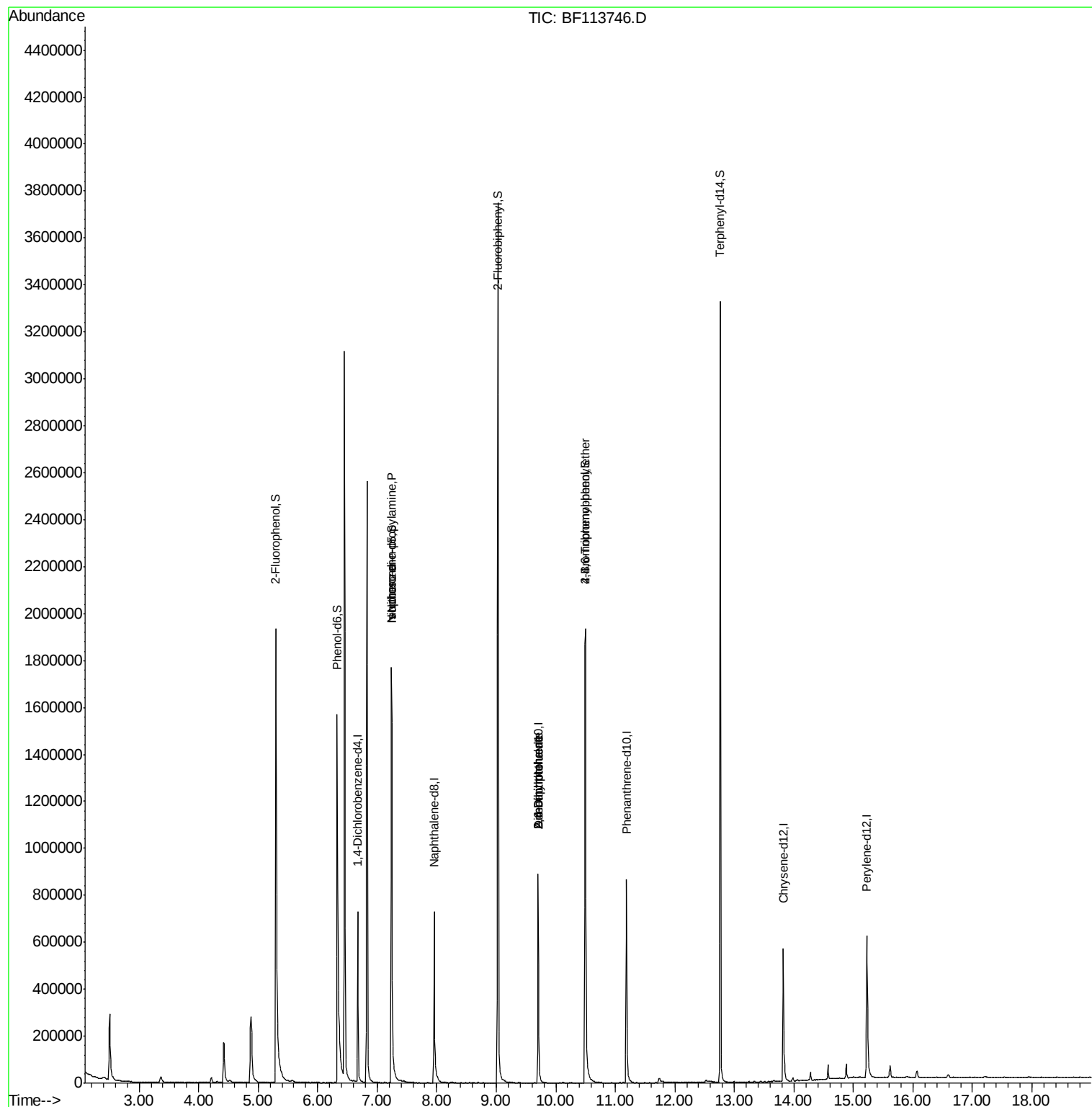
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	123236	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	452151	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	212969	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	417859	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	260954	20.00	ng	-0.02
87) Perylene-d12	15.23	264	328265	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	810558	112.16	ng	0.00
7) Phenol-d6	6.33	99	944010	105.98	ng	-0.01
23) Nitrobenzene-d5	7.24	82	708040	91.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	351814	137.52	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1304169	98.59	ng	-0.02
79) Terphenyl-d14	12.76	244	1302526	101.63	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	90517	16.480	ng	# 78
25) Isophorone	7.24	82	708036	47.615	ng	# 64
50) Dimethylphthalate	9.70	163	46421	2.957	ng	# 1
51) 2,6-Dinitrotoluene	9.70	165	27162	7.849	ng	# 25
57) 2,4-Dinitrotoluene	9.70	165	27163	6.490	ng	# 22
67) 4-Bromophenyl-phenylether	10.50	248	19364	4.132	ng	# 1

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

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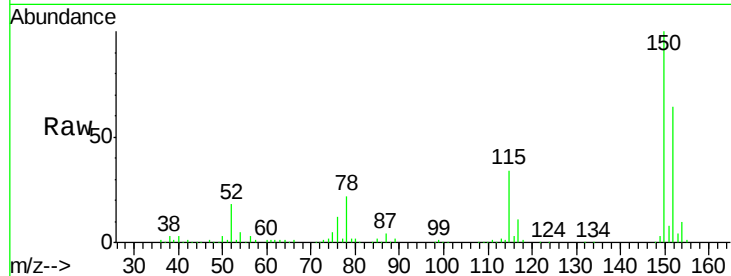


#1

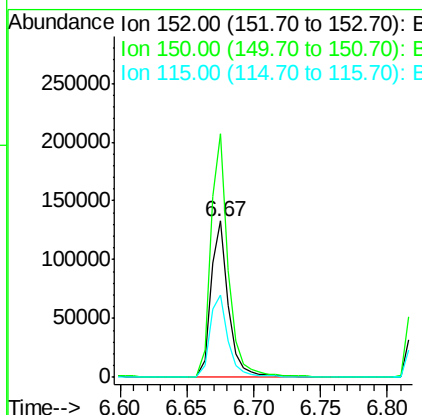
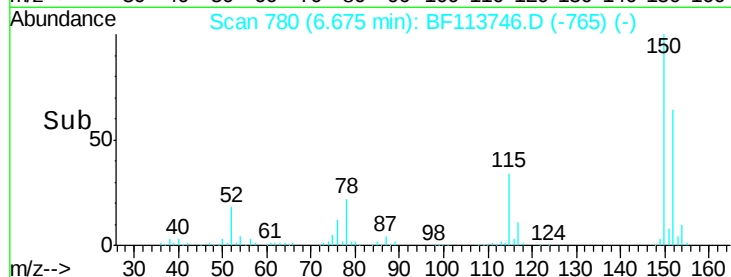
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113746.D
Acq: 12 Apr 2019 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.7	187.1
115	52.9	46.0	69.0



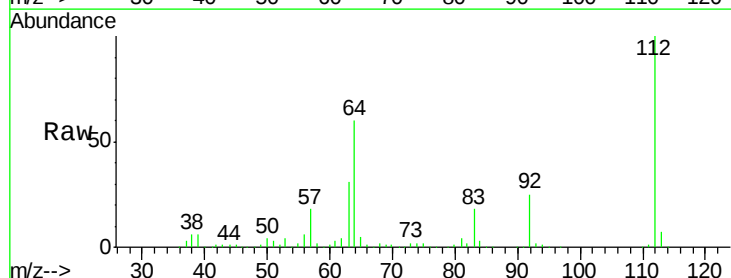
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



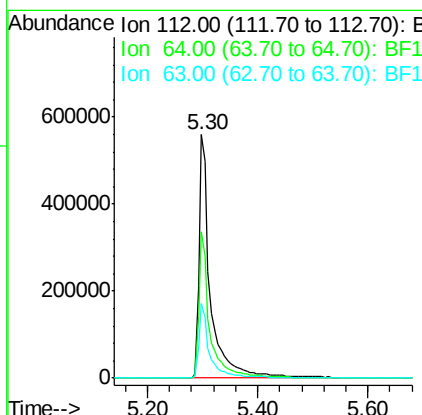
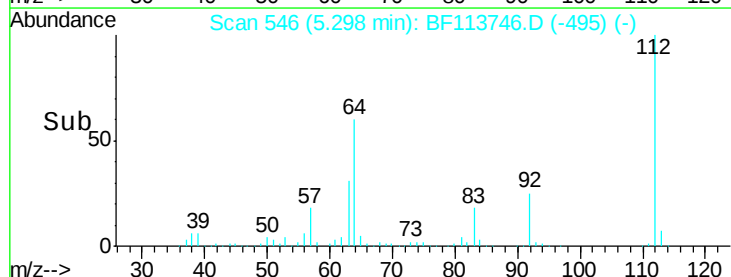
#5

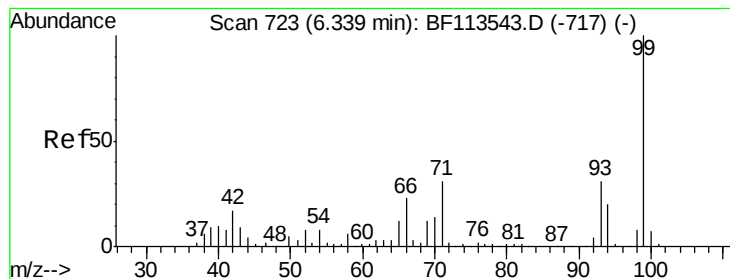
2-Fluorophenol
Concen: 112.158 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113746.D
Acq: 12 Apr 2019 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	49.2	73.8
63	30.5	24.9	37.3



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: 105.982 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Instrument :

BNA_F

ClientSampled :

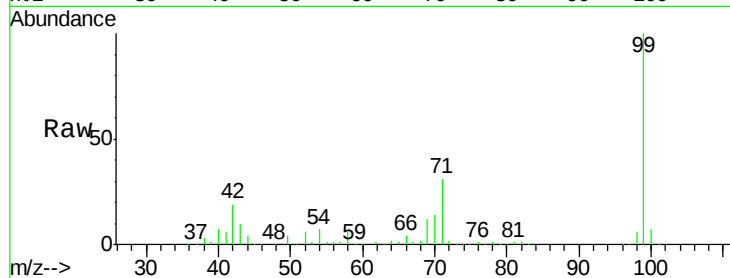
Tot Ion: 99 Resp: 944010

Ion Ratio Lower Upper

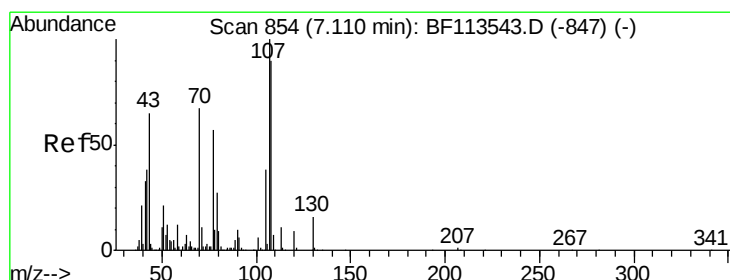
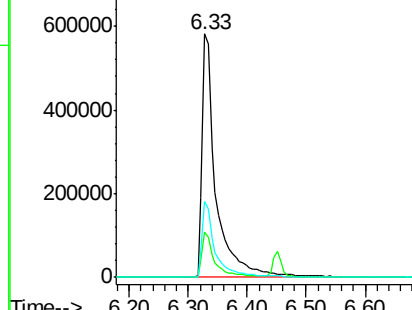
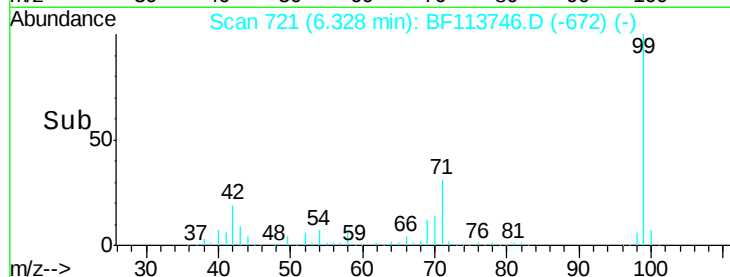
99 100

42 18.5 14.8 22.2

71 31.2 24.9 37.3



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: 16.480 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Tgt Ion: 70 Resp: 90517

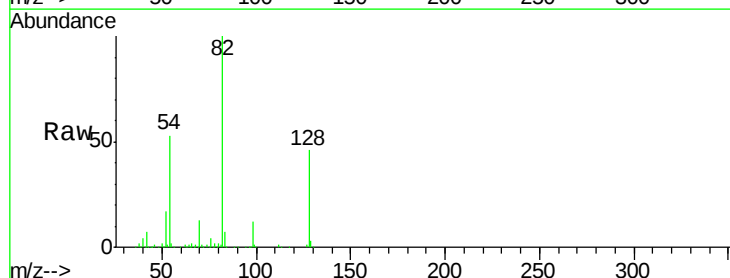
Ion Ratio Lower Upper

70 100

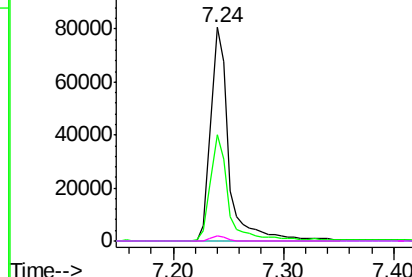
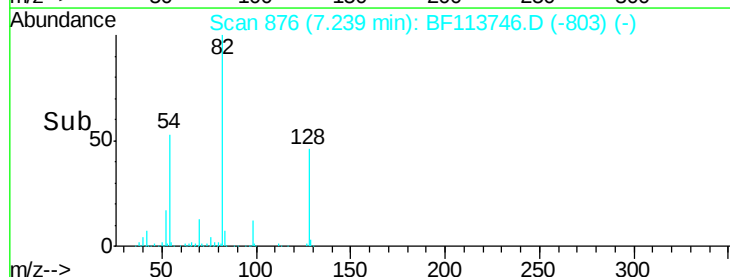
42 49.7 48.4 72.6

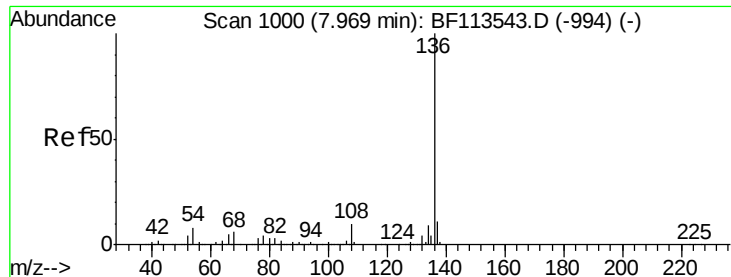
101 0.0 7.8 11.8#

130 2.3 18.2 27.4#



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: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 452151

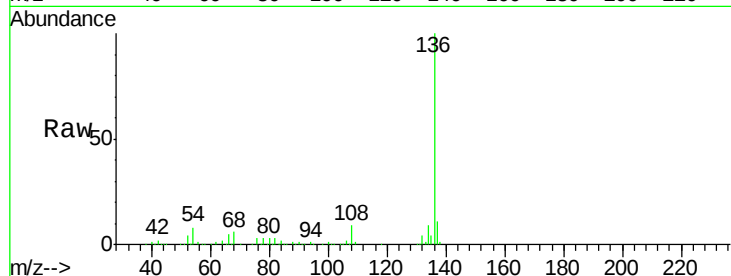
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.6 7.0 10.6

68 5.6 4.8 7.2

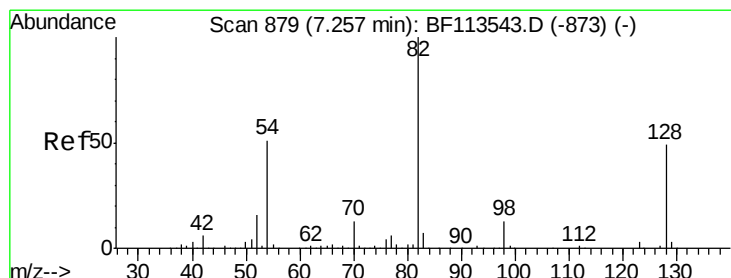
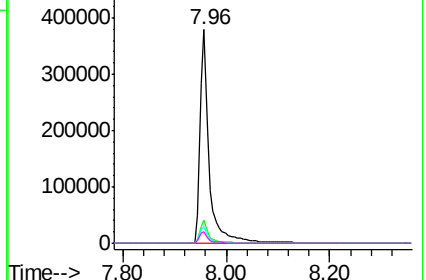
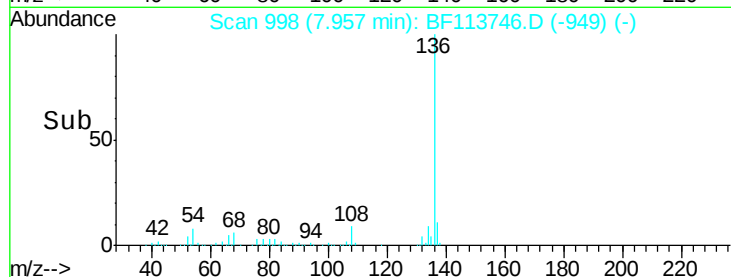


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.725 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

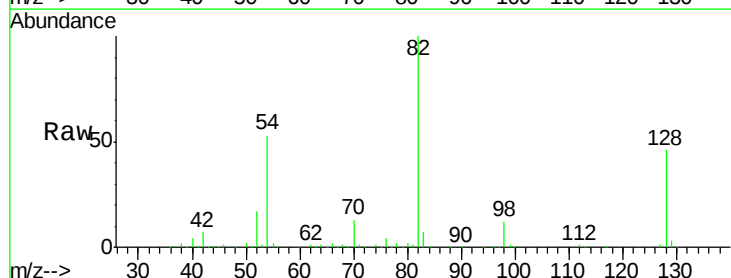
Tgt Ion: 82 Resp: 708040

Ion Ratio Lower Upper

82 100

128 45.7 36.5 54.7

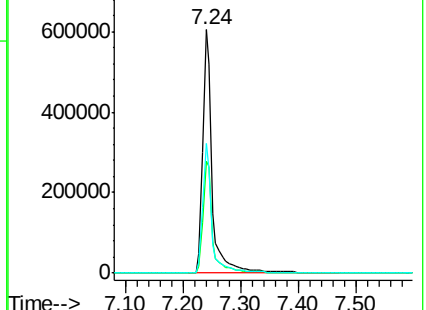
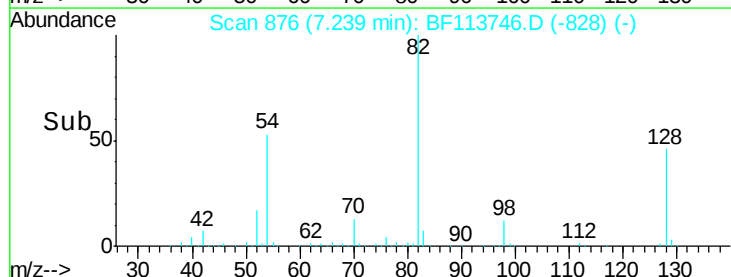
54 53.4 42.2 63.2

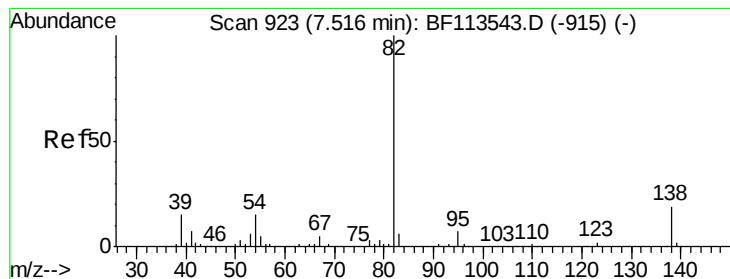


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.615 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Instrument :

BNA_F

ClientSampleId :

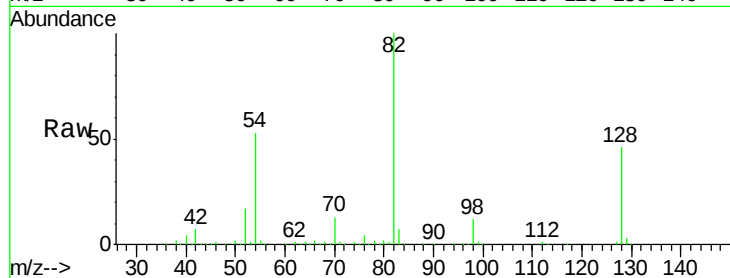
Tot Ion: 82 Resp: 708036

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

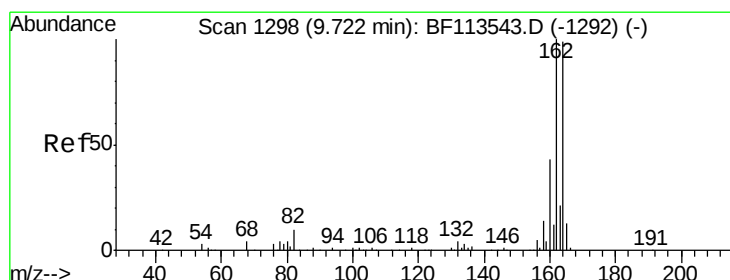
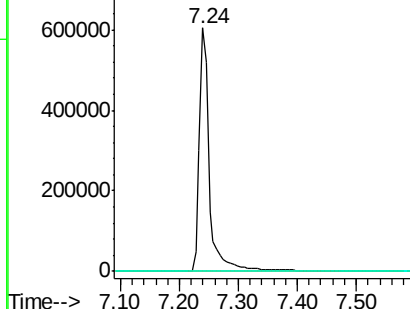
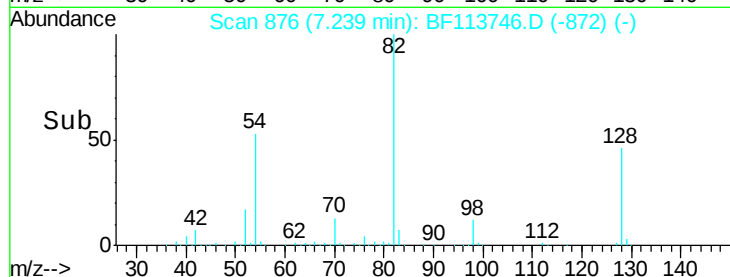
138 0.0 15.2 22.8#



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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

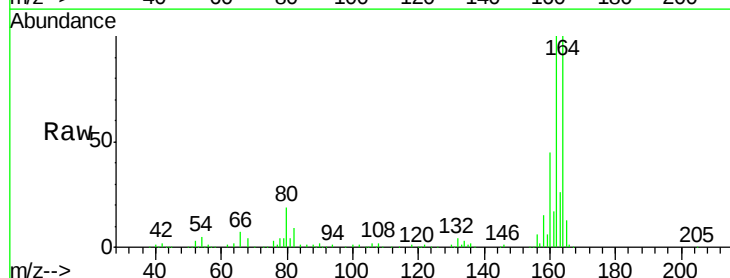
Tgt Ion: 164 Resp: 212969

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.6

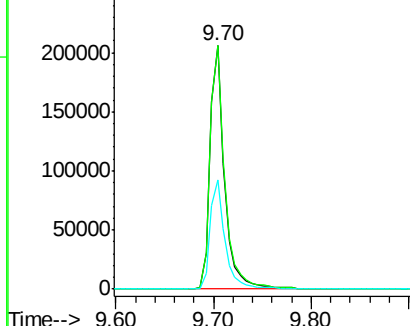
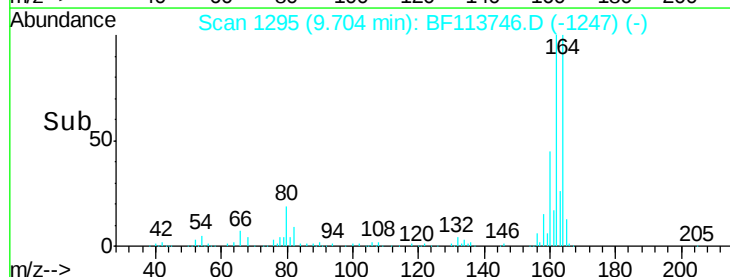
160 45.0 36.4 54.6

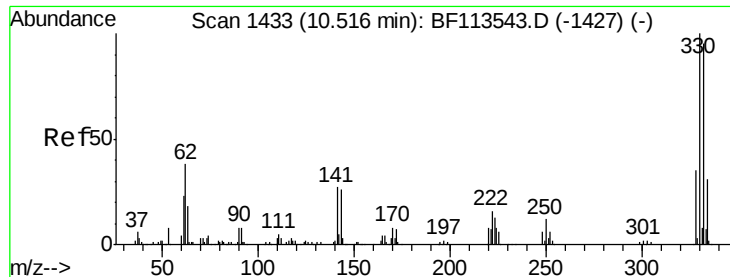


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

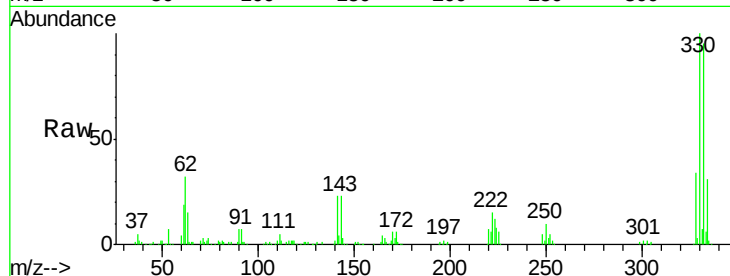




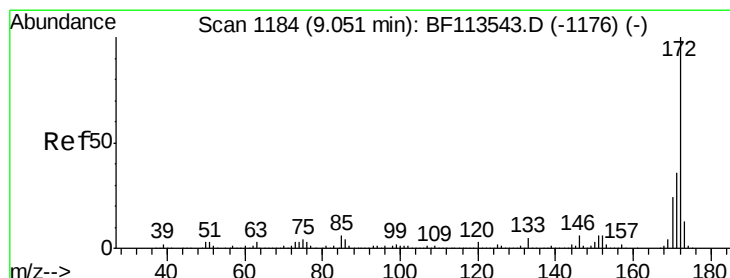
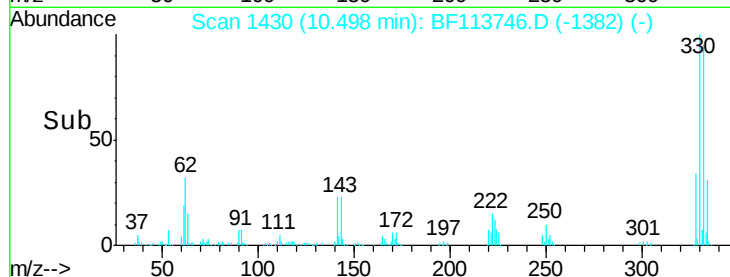
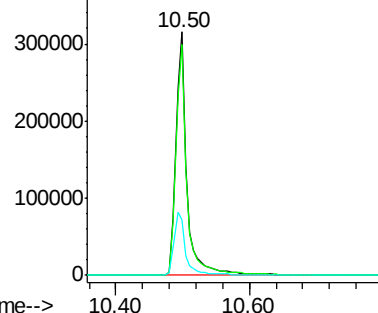
#42
 2,4,6-Tribromophenol
 Concen: 137.520 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 351814
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.8 116.6
 141 27.2 22.7 34.1

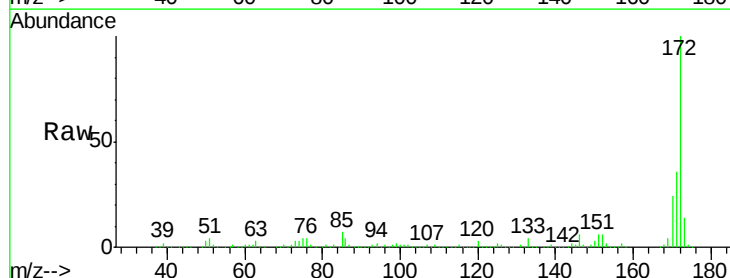


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

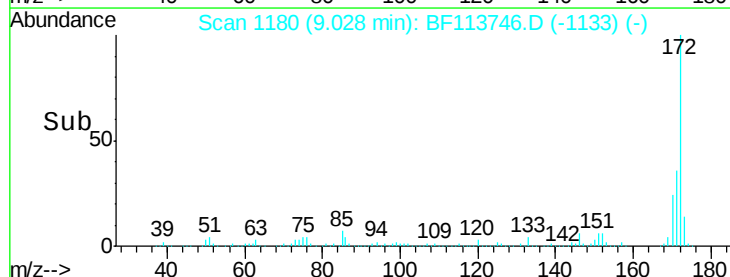
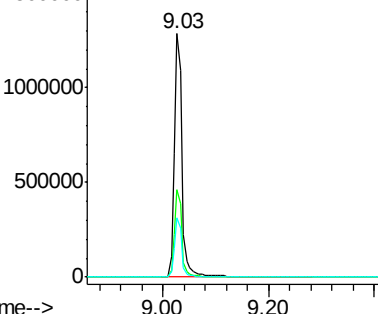


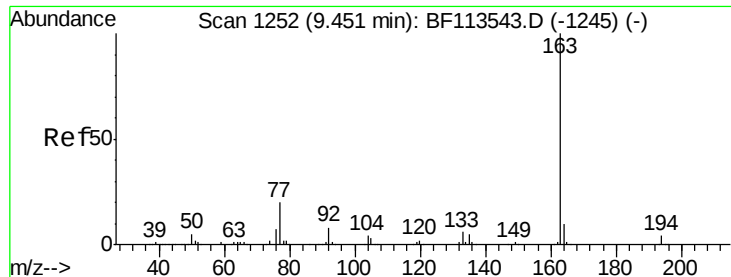
#45
 2-Fluorobiphenyl
 Concen: 98.586 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

Tgt Ion:172 Resp: 1304169
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.4 19.5 29.3



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

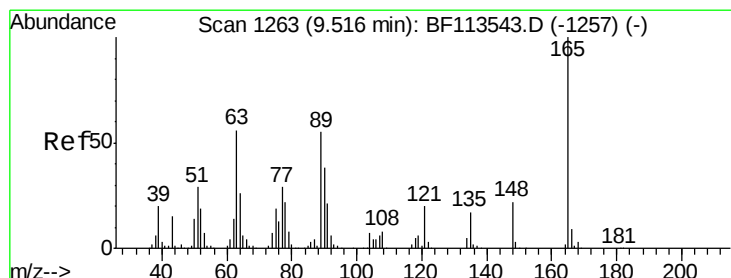
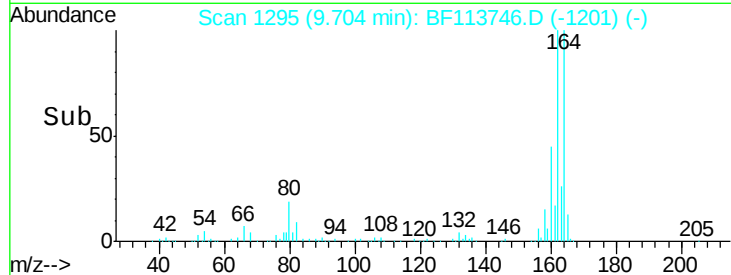
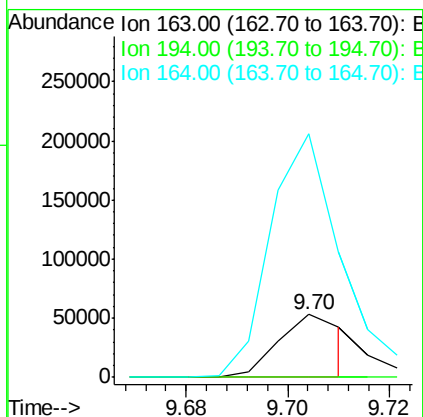
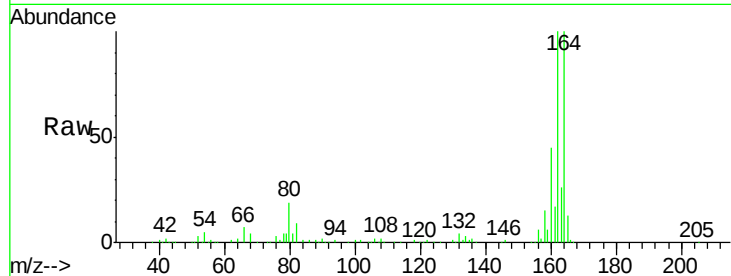




#50
 Dimethylphthalate
 Concen: 2.957 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.25 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

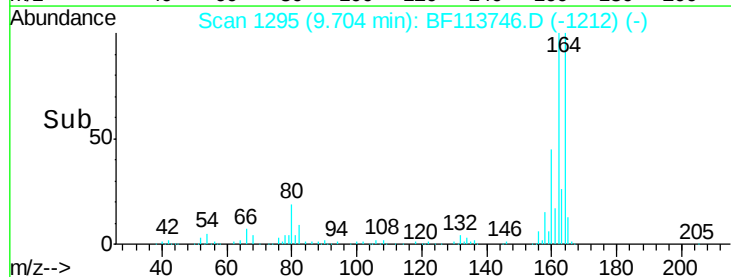
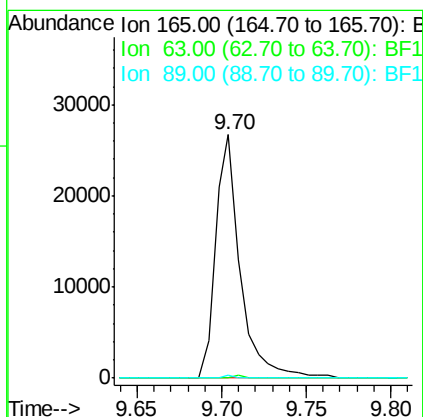
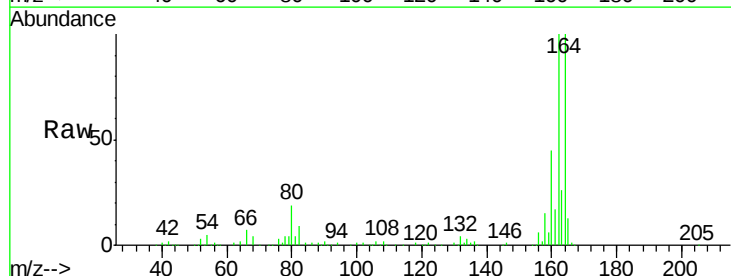
Instrument :
 BNA_F
 ClientSampled :

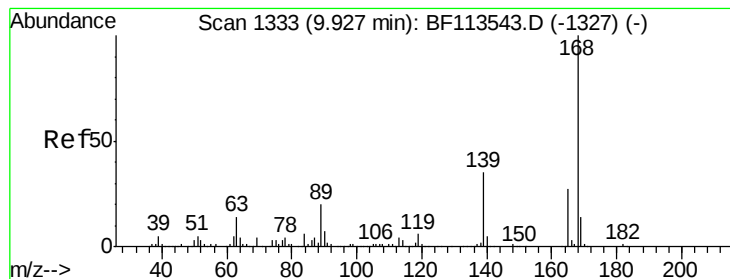
Tot Ion:163 Resp: 46421
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.0 4.6#
 164 388.5 8.1 12.1#



#51
 2,6-Dinitrotoluene
 Concen: 7.849 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. 0.19 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

Tgt Ion:165 Resp: 27162
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.4 65.0#
 89 1.2 43.1 64.7#





#57

2,4-Dinitrotoluene

Concen: 6.490 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27163

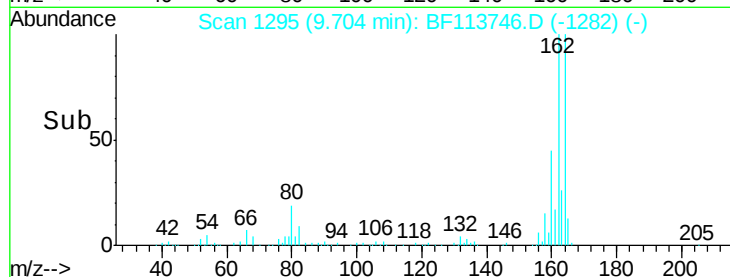
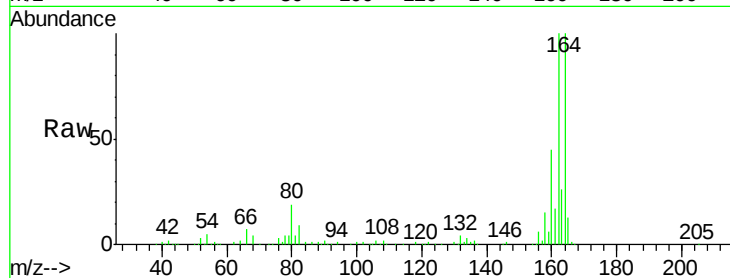
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 1.2 57.4 86.2#

182 0.0 2.0 3.0#

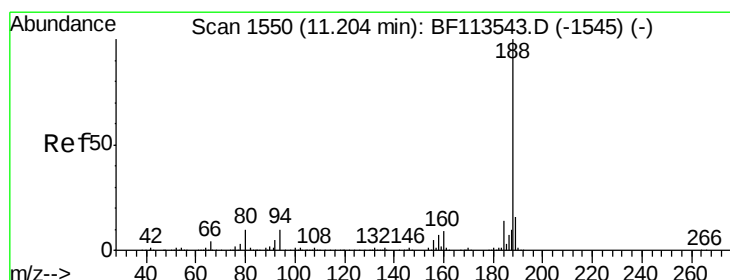
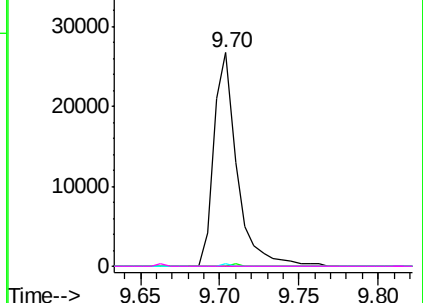


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

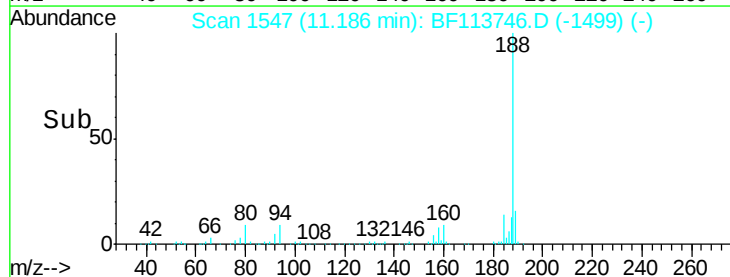
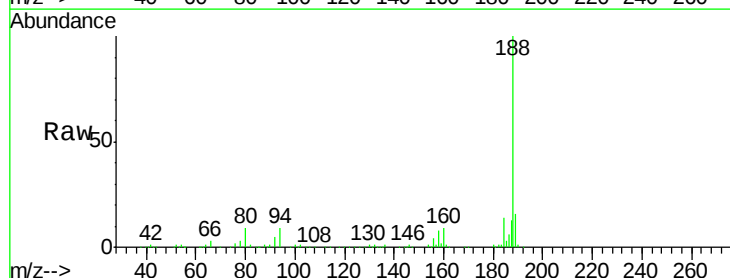
Tgt Ion:188 Resp: 417859

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

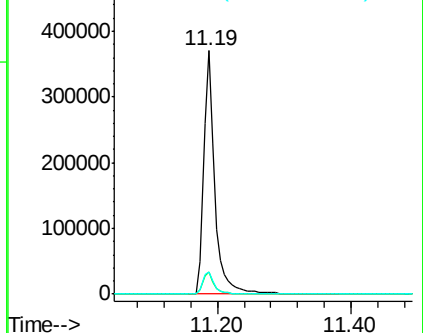
80 8.9 7.7 11.5

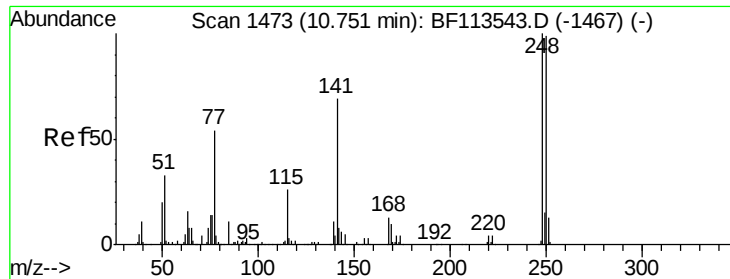


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

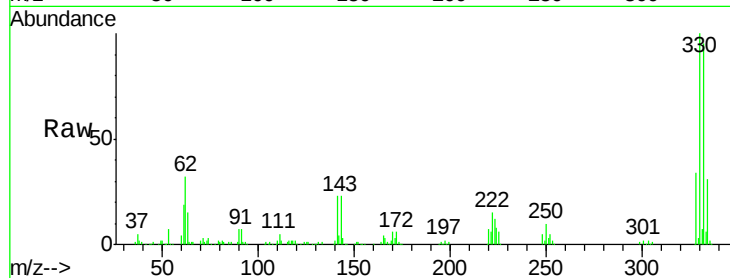




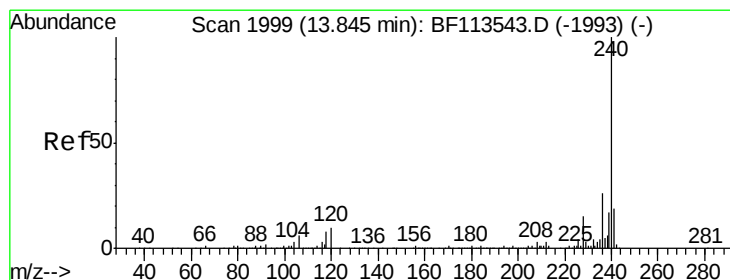
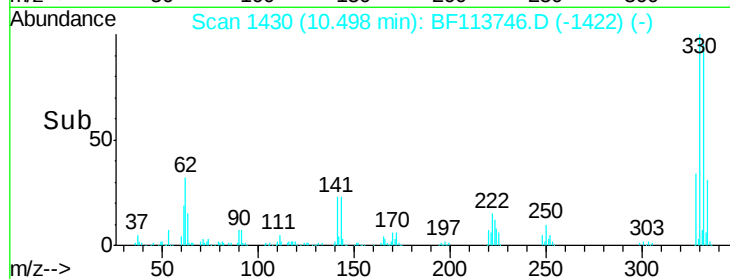
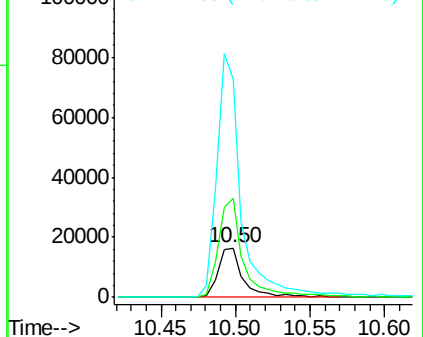
#67
 4-Bromophenyl-phenylether
 Concen: 4.132 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 19364
 Ion Ratio Lower Upper
 248 100
 250 199.7 78.3 117.5#
 141 438.7 56.2 84.4#

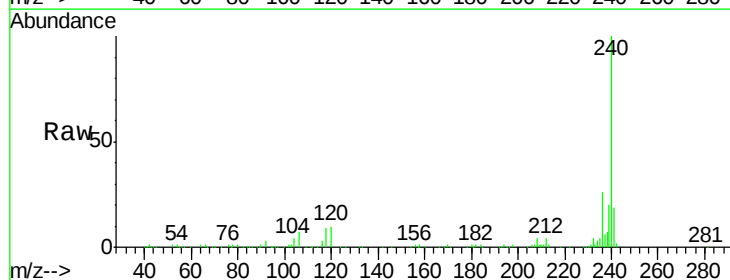


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

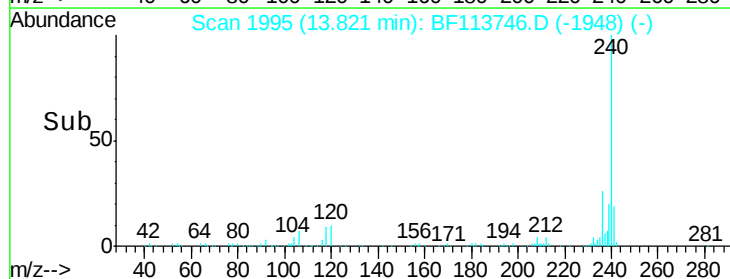
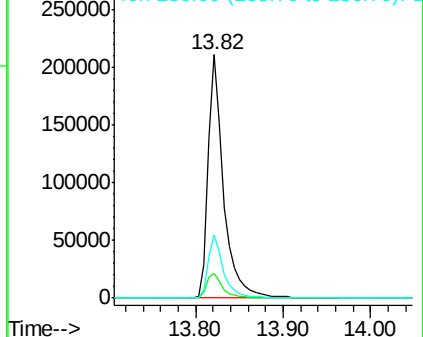


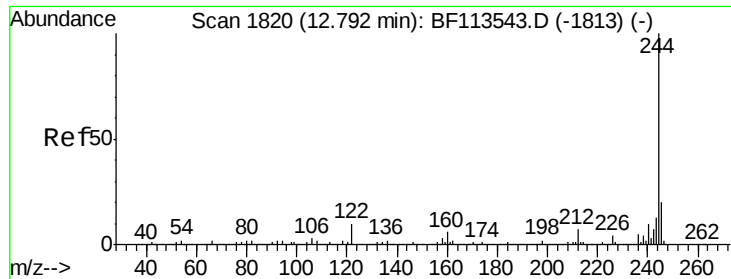
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF113746.D
 Acq: 12 Apr 2019 18:57

Tgt Ion:240 Resp: 260954
 Ion Ratio Lower Upper
 240 100
 120 10.4 8.8 13.2
 236 25.8 20.9 31.3



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: 101.626 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

Instrument :

BNA_F

ClientSampleId :

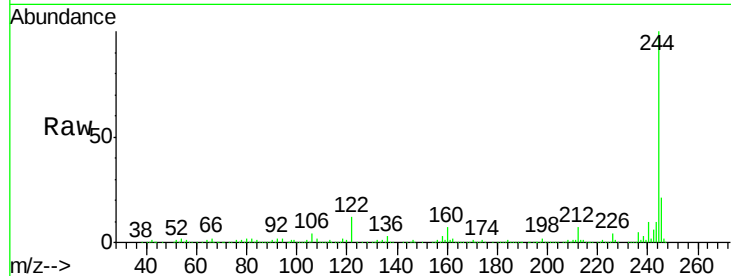
Tot Ion:244 Resp: 1302526

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 11.7 8.6 13.0



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

12.76

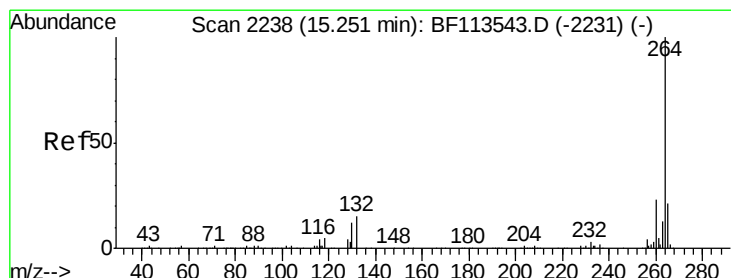
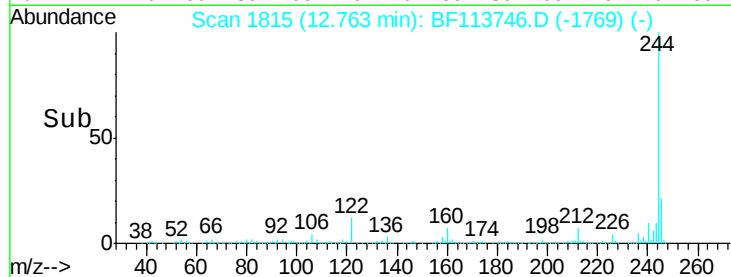
1500000

1000000

500000

0

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF113746.D

Acq: 12 Apr 2019 18:57

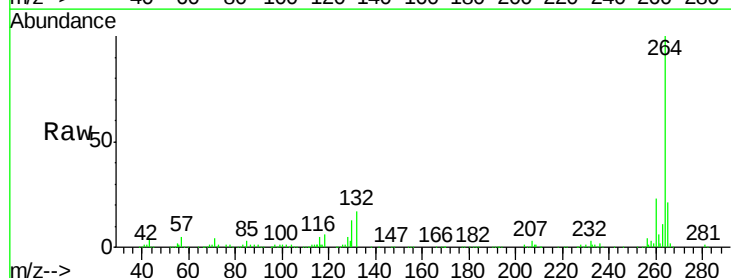
Tgt Ion:264 Resp: 328265

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 21.3 17.1 25.7



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

15.23

250000

200000

150000

100000

50000

0

Time-->

