

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113699.D
 Acq On : 10 Apr 2019 16:30
 Operator : JU/SJ
 Sample : K2199-07 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:59:48 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

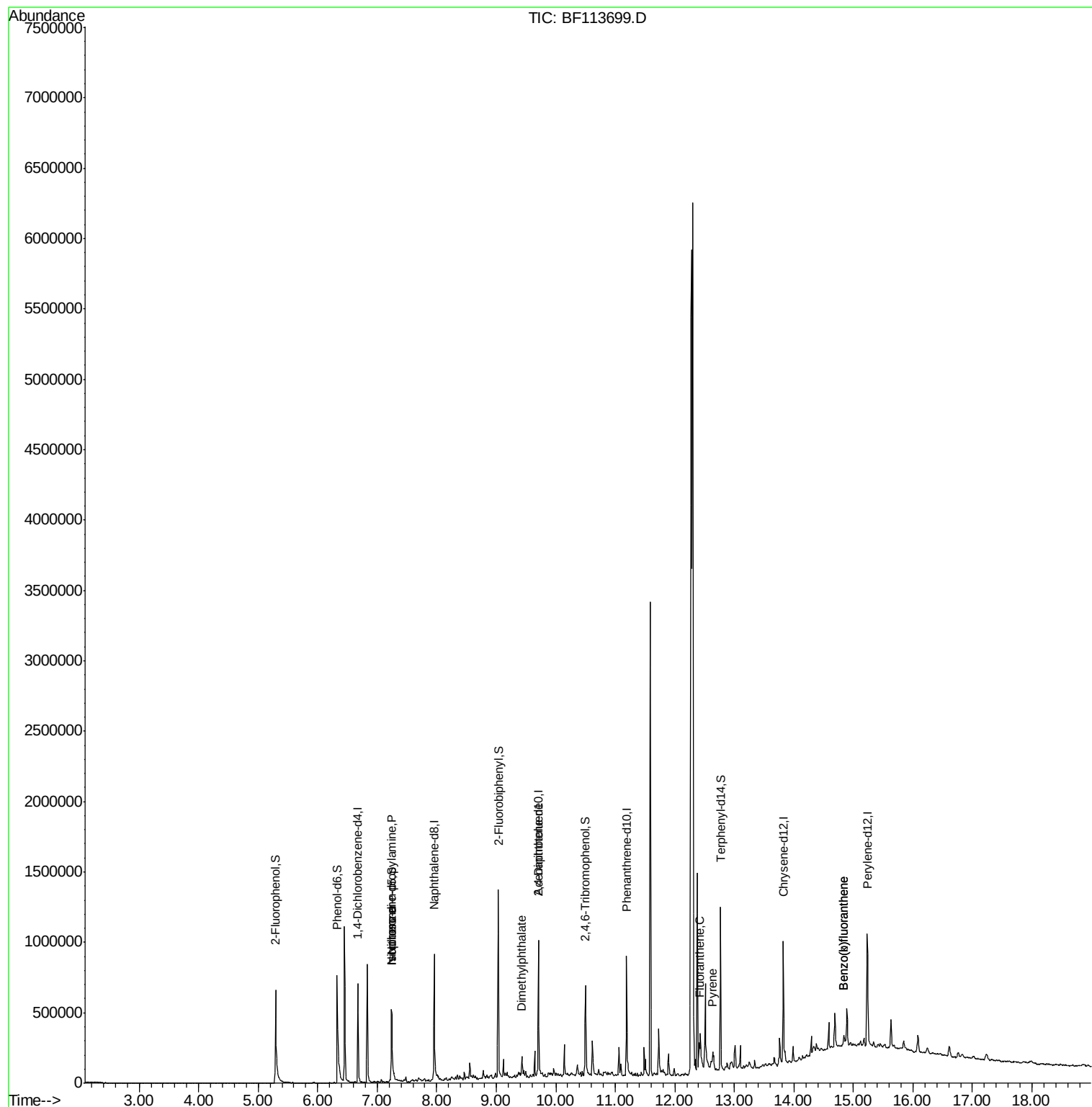
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114777	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	446283	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	210030	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	367603	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	326073	20.00	ng	-0.02
87) Perylene-d12	15.23	264	286404	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	301986	44.87	ng	0.00
7) Phenol-d6	6.33	99	424732	51.20	ng	-0.01
23) Nitrobenzene-d5	7.24	82	235813	30.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	98186	38.92	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	439836	33.71	ng	-0.02
79) Terphenyl-d14	12.77	244	367957	22.98	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	32664	6.385	ng	# 80
25) Isophorone	7.24	82	235811	16.067	ng	# 64
50) Dimethylphthalate	9.43	163	48146	3.110	ng	# 98
57) 2,4-Dinitrotoluene	9.70	165	28198	6.832	ng	# 24
75) Fluoranthene	12.40	202	54685	2.794	ng	100
78) Pyrene	12.63	202	54216	2.185	ng	98
88) Benzo(b)fluoranthene	14.84	252	52005	2.966	ng	# 85
89) Benzo(k)fluoranthene	14.84	252	52005	3.305	ng	# 84

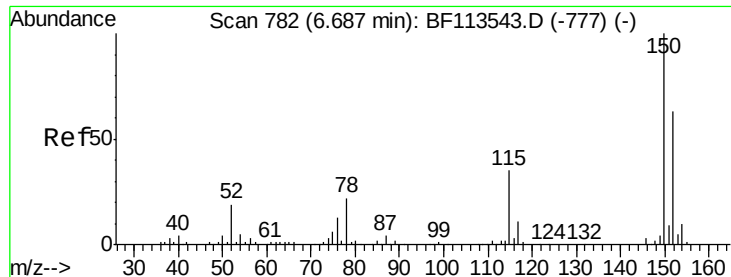
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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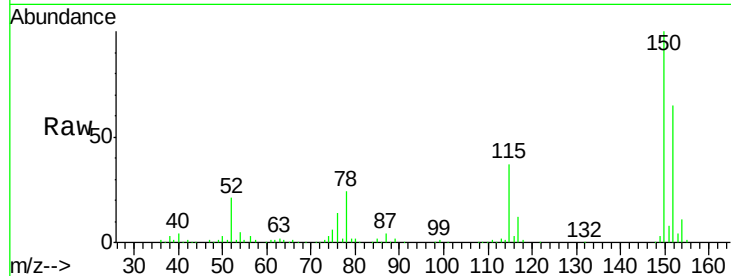


#1

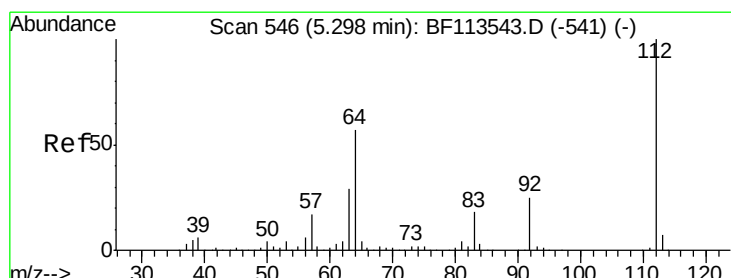
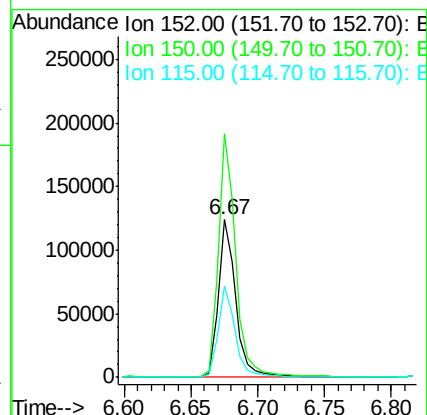
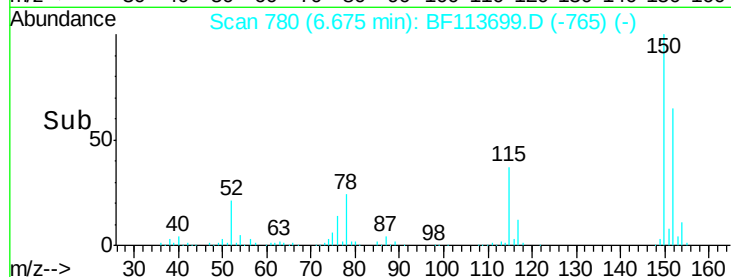
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113699.D
Acq: 10 Apr 2019 16:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114777
Ion Ratio Lower Upper
152 100
150 154.4 124.7 187.1
115 57.5 46.0 69.0



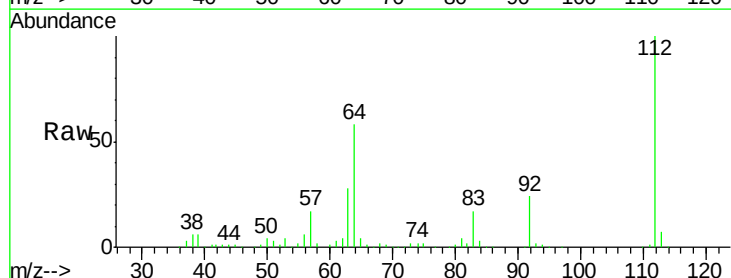
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



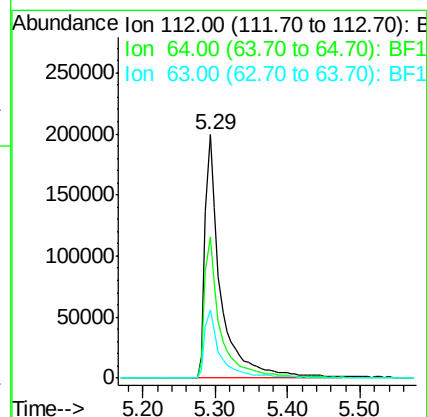
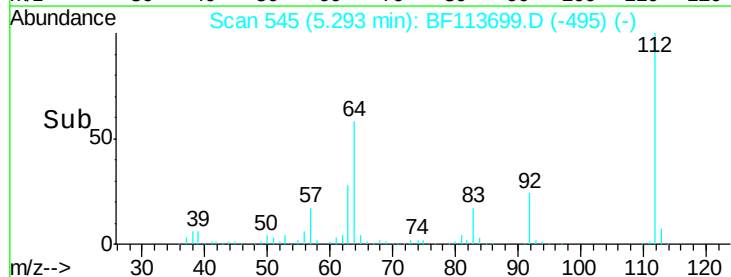
#5

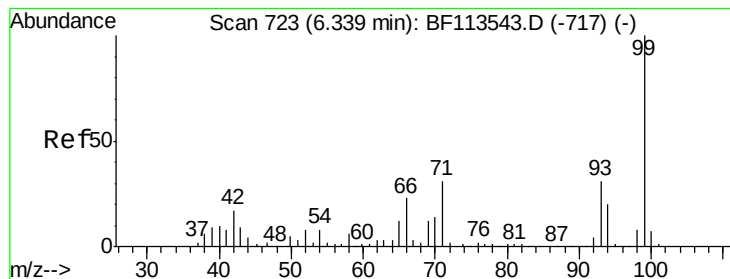
2-Fluorophenol
Concen: 44.866 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113699.D
Acq: 10 Apr 2019 16:30

Tgt Ion:112 Resp: 301986
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 28.2 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: 51.198 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampled :

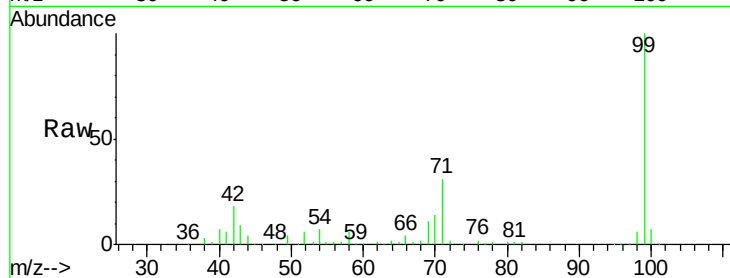
Tot Ion: 99 Resp: 424732

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

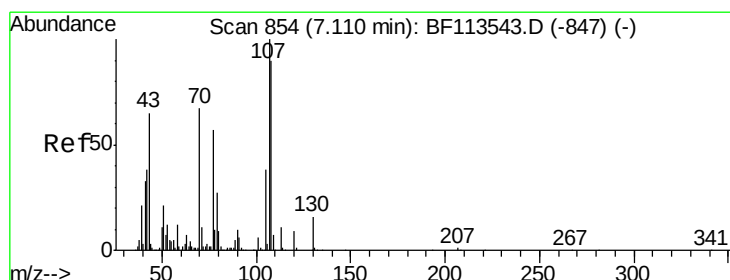
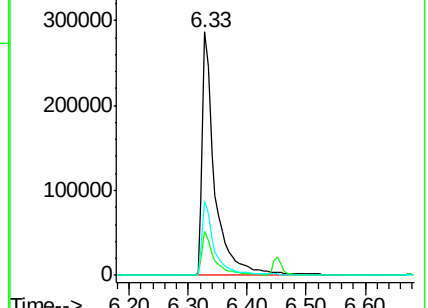
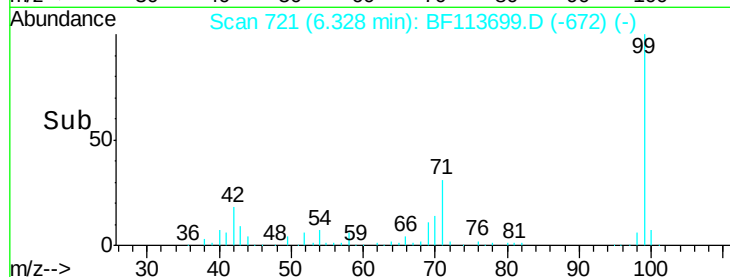
71 30.7 24.9 37.3



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: 6.385 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Tgt Ion: 70 Resp: 32664

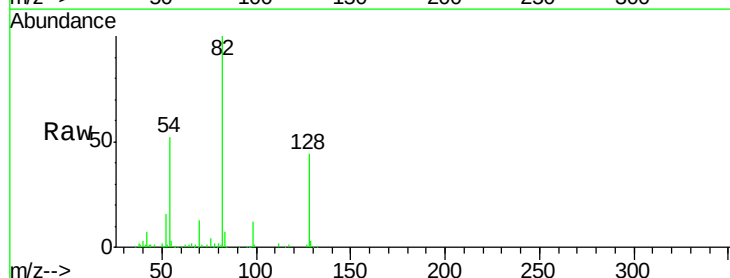
Ion Ratio Lower Upper

70 100

42 52.4 48.4 72.6

101 0.0 7.8 11.8#

130 2.9 18.2 27.4#

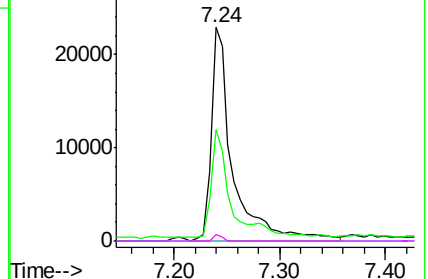
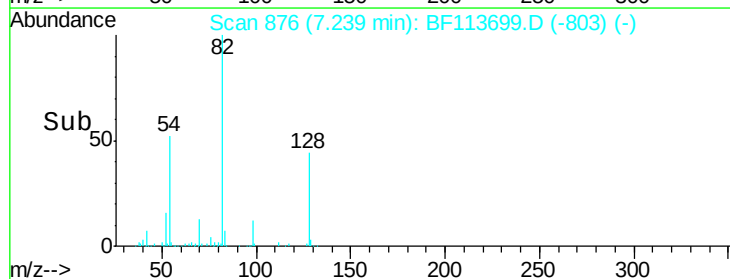


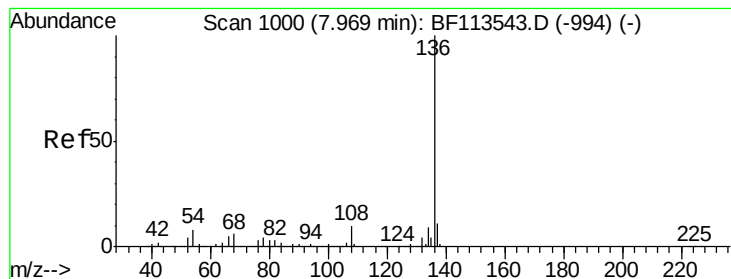
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 446283

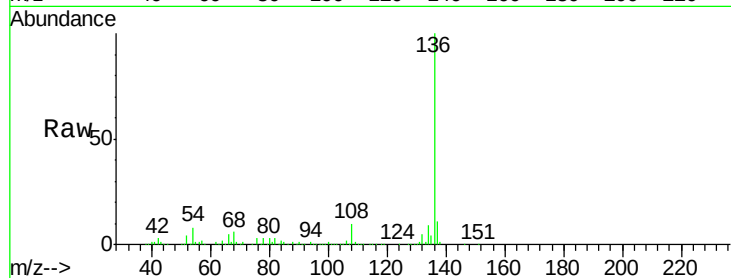
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.2 7.0 10.6

68 5.7 4.8 7.2

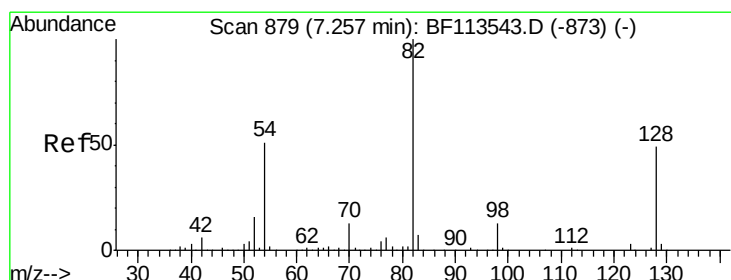
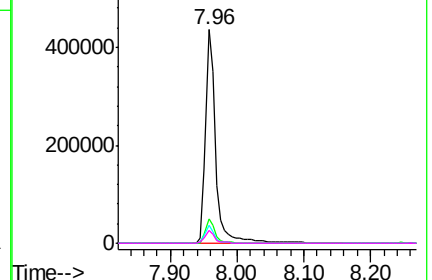
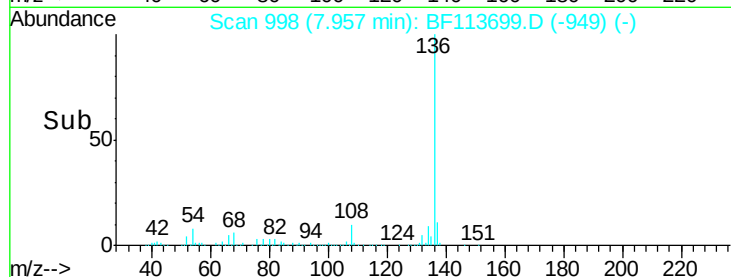


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.951 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

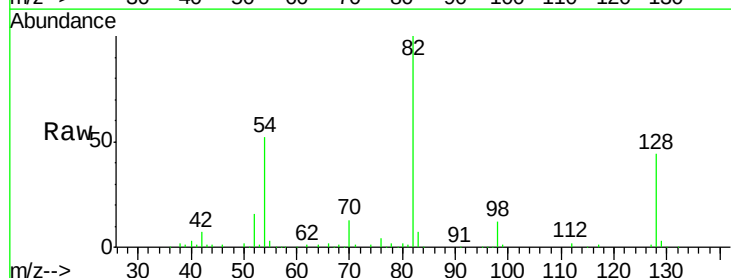
Tgt Ion: 82 Resp: 235813

Ion Ratio Lower Upper

82 100

128 44.2 36.5 54.7

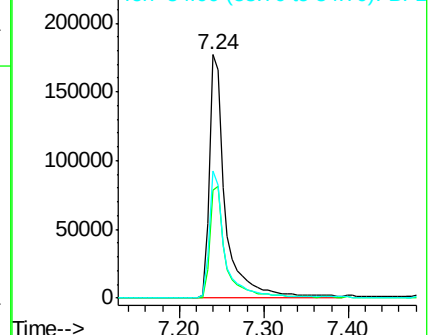
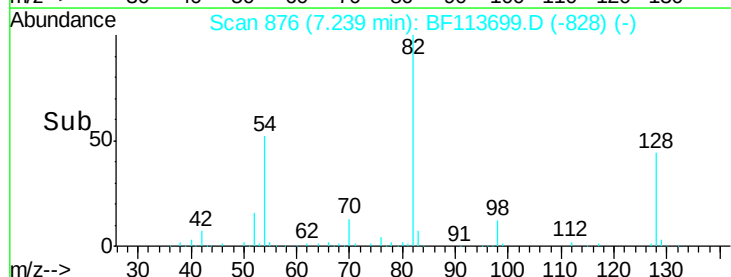
54 52.4 42.2 63.2

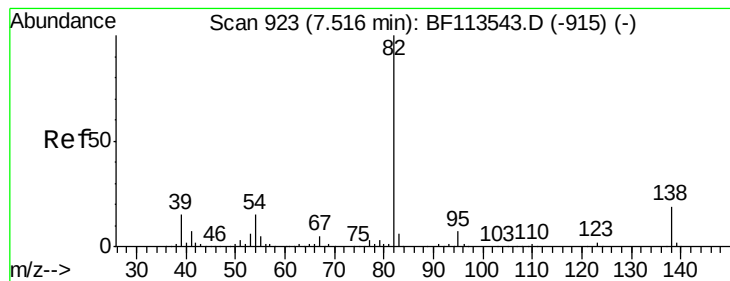


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.067 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampled :

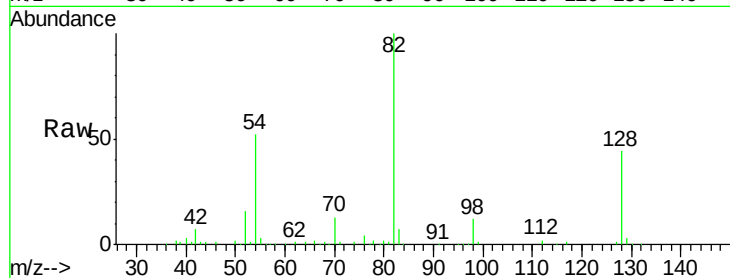
Tot Ion: 82 Resp: 235811

Ion Ratio Lower Upper

82 100

95 0.2 5.5 8.3#

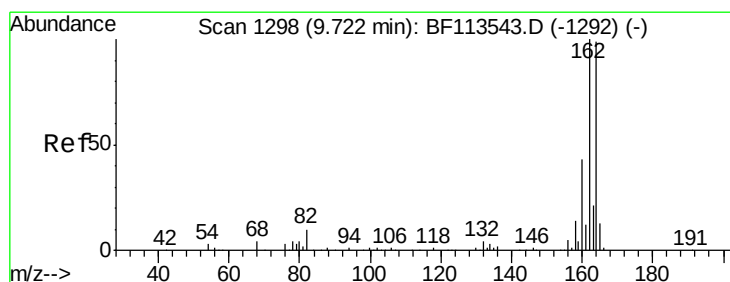
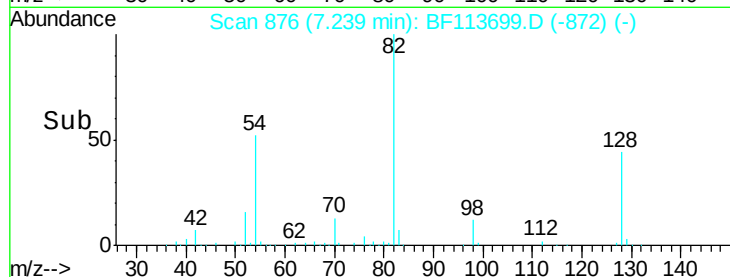
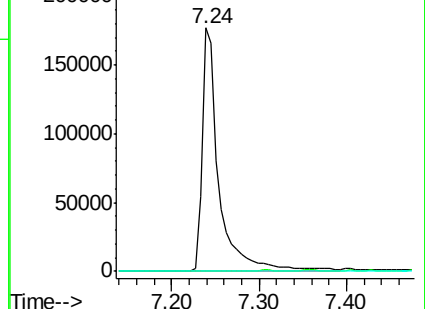
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

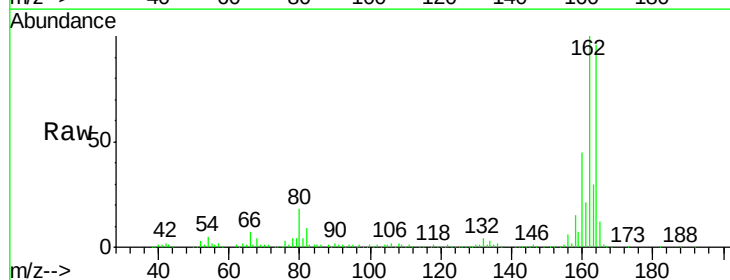
Tgt Ion:164 Resp: 210030

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.6

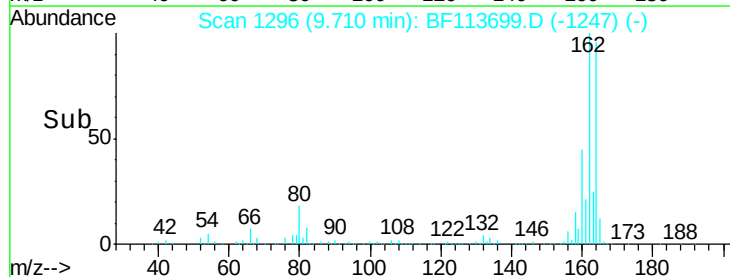
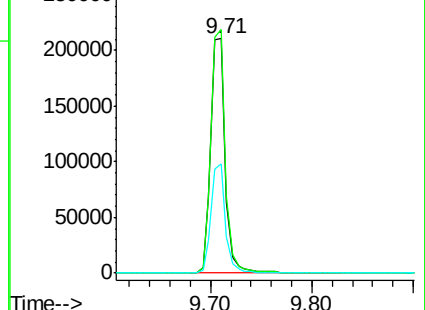
160 46.5 36.4 54.6

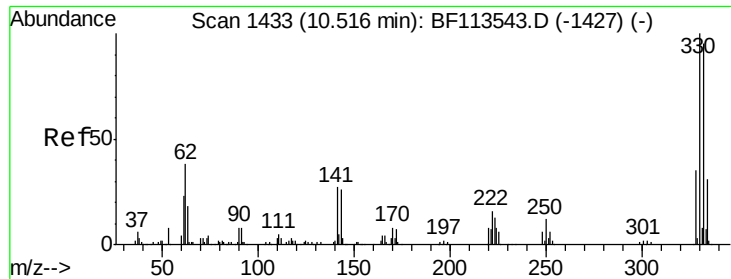


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

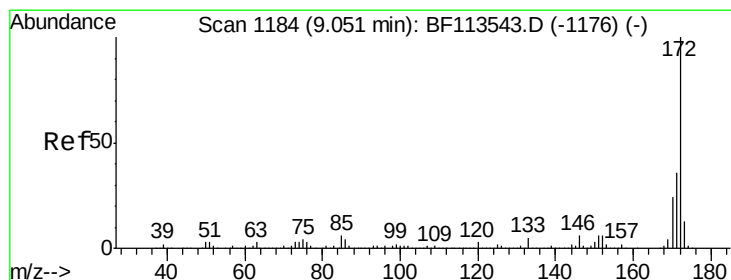
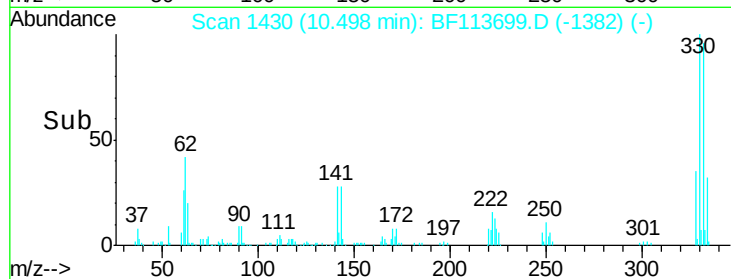
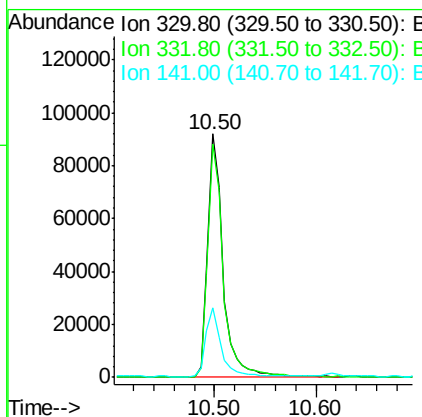
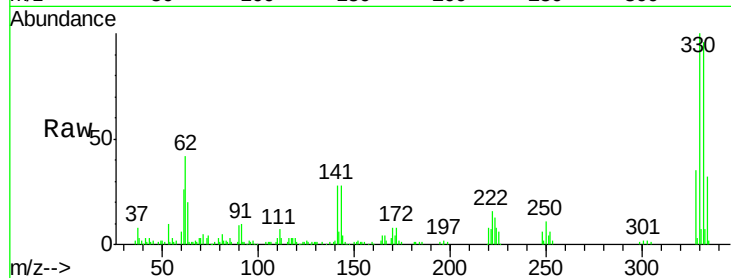




#42
 2,4,6-Tribromophenol
 Concen: 38.917 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113699.D
 Acq: 10 Apr 2019 16:30

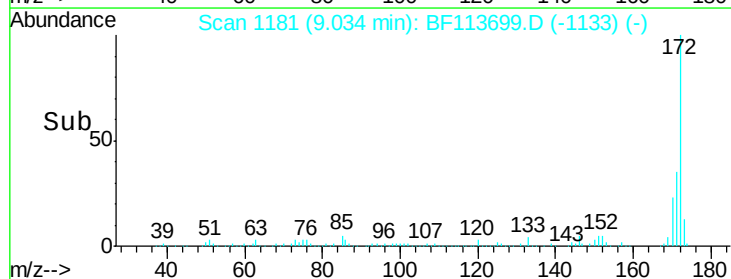
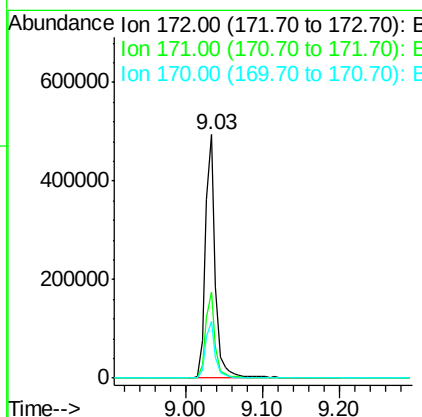
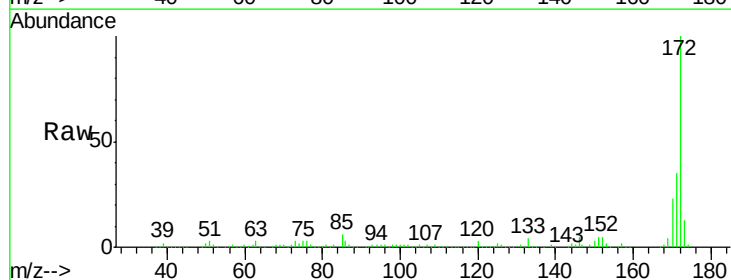
Instrument :
 BNA_F
 ClientSampleId :

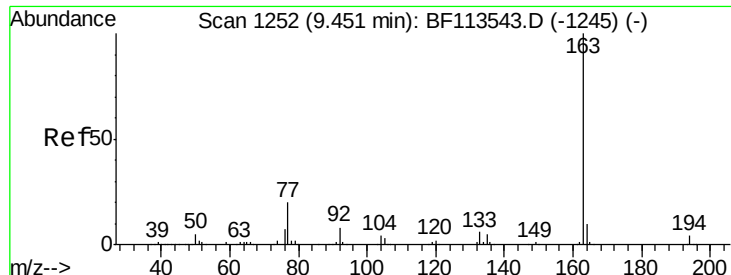
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	27.2	22.7	34.1



#45
 2-Fluorobiphenyl
 Concen: 33.714 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113699.D
 Acq: 10 Apr 2019 16:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.4	19.5	29.3





#50

Dimethylphthalate

Concen: 3.110 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampleId :

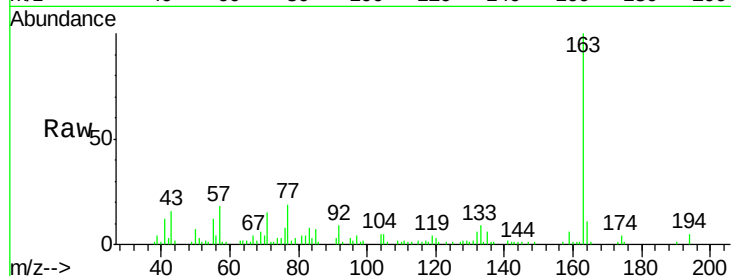
Tot Ion:163 Resp: 48146

Ion Ratio Lower Upper

163 100

194 4.6 3.0 4.6#

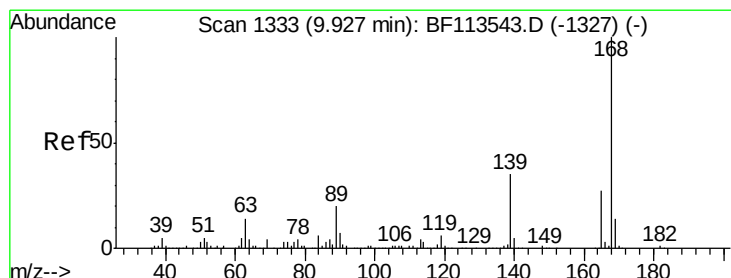
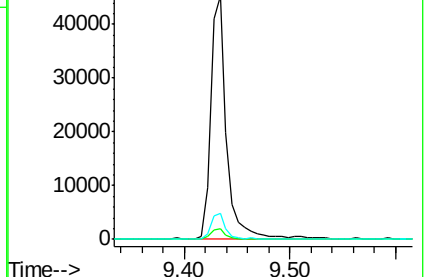
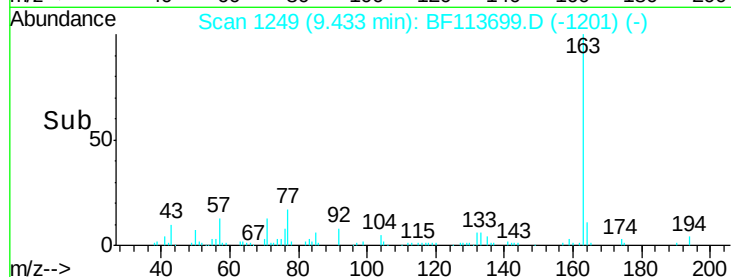
164 10.8 8.1 12.1



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: 6.832 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Tgt Ion:165 Resp: 28198

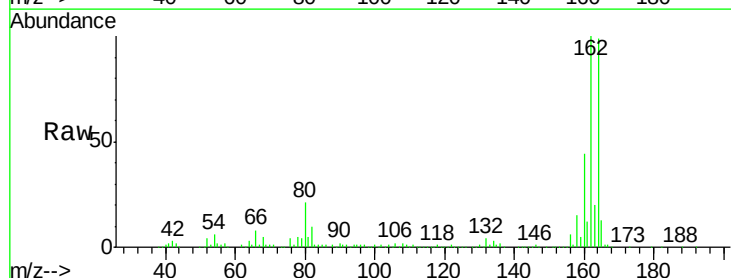
Ion Ratio Lower Upper

165 100

63 1.6 37.5 56.3#

89 2.0 57.4 86.2#

182 2.4 2.0 3.0

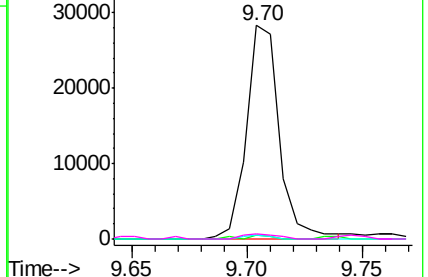
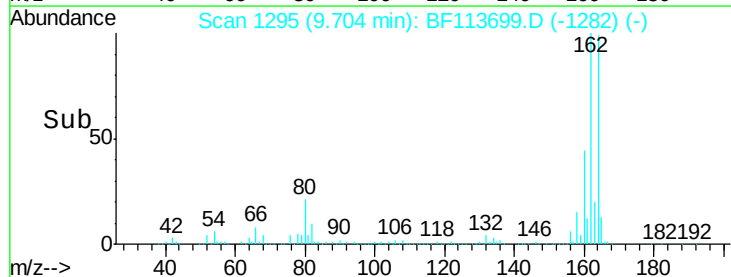


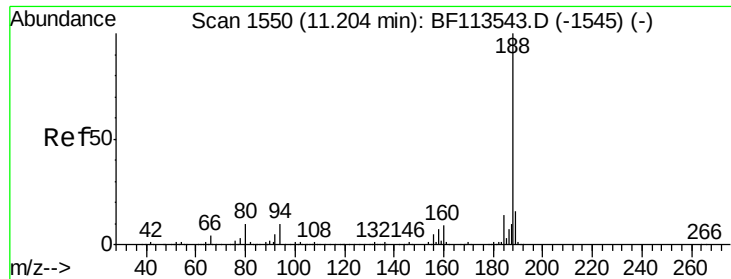
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1548

Delta R.T. -0.01 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampleId :

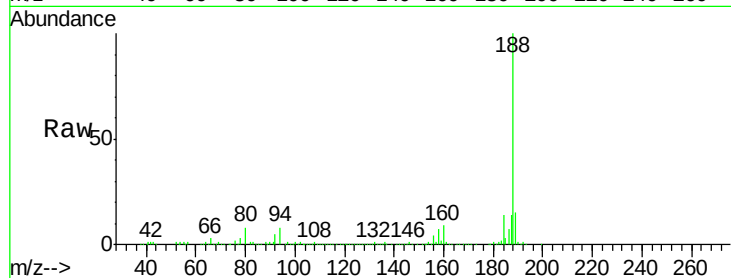
Tot Ion:188 Resp: 367603

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.6

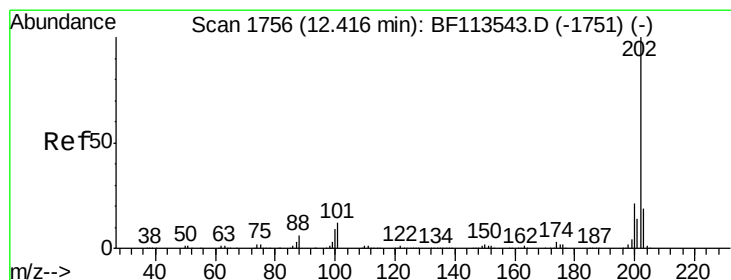
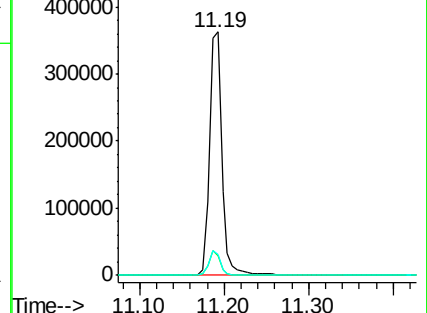
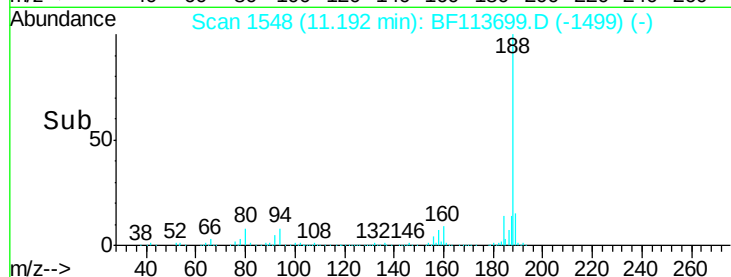
80 8.4 7.7 11.5



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



#75

Fluoranthene

Concen: 2.794 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

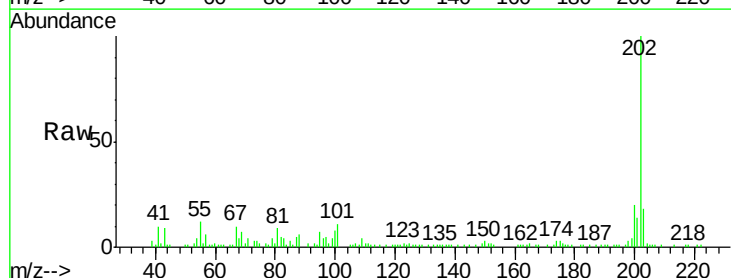
Tgt Ion:202 Resp: 54685

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

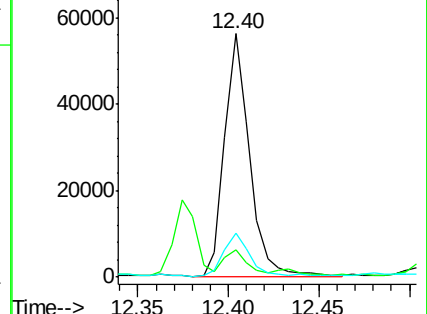
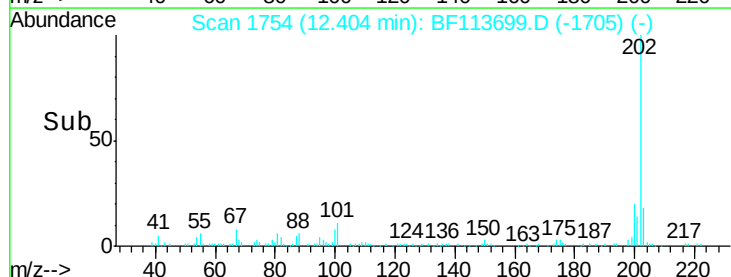
203 18.1 0.0 38.0

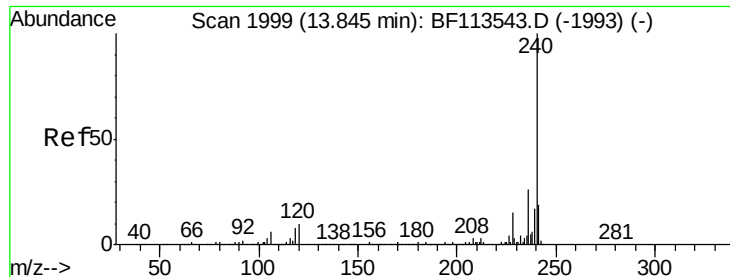


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

Instrument :

BNA_F

ClientSampleId :

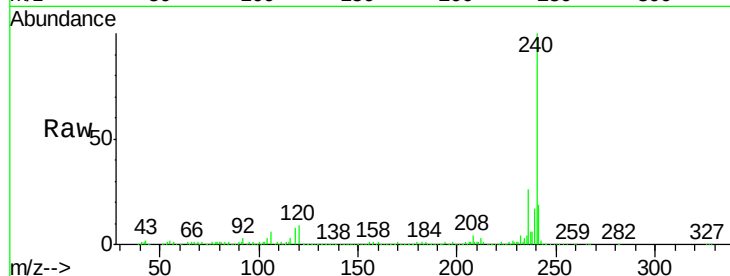
Tot Ion:240 Resp: 326073

Ion Ratio Lower Upper

240 100

120 9.1 8.8 13.2

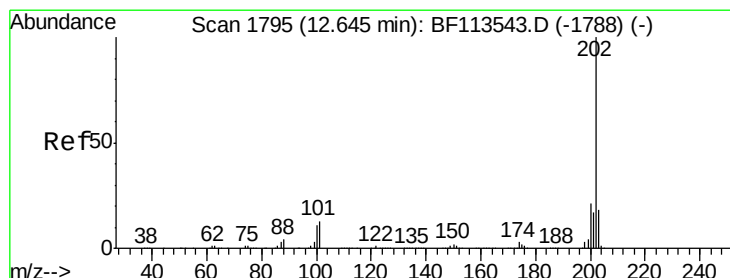
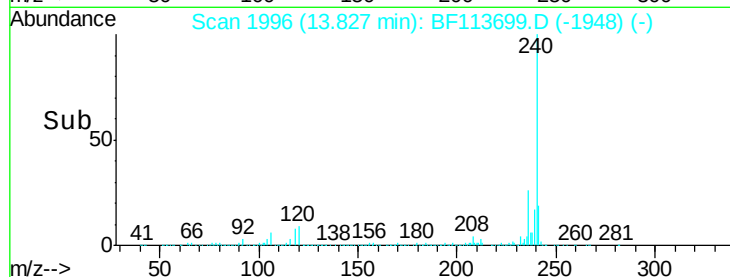
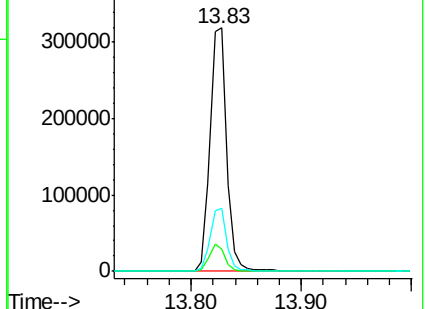
236 26.1 20.9 31.3



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



#78

Pyrene

Concen: 2.185 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113699.D

Acq: 10 Apr 2019 16:30

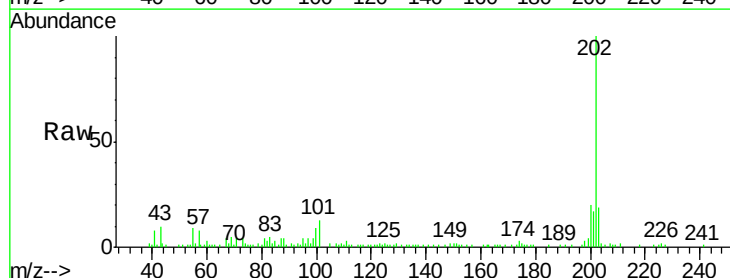
Tgt Ion:202 Resp: 54216

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

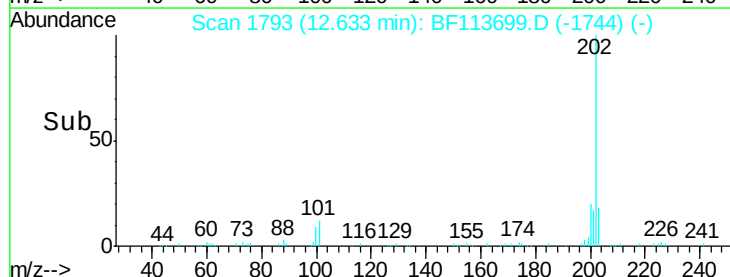
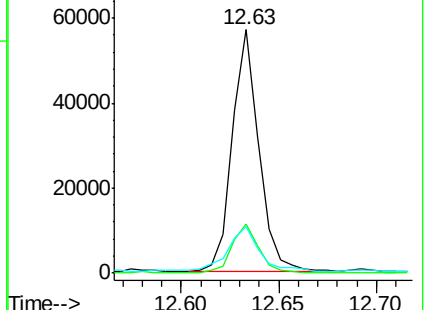
203 19.0 14.4 21.6

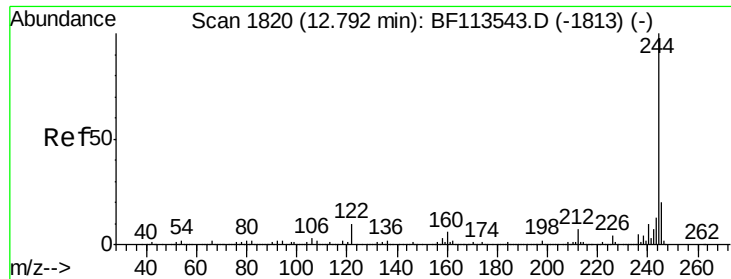


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

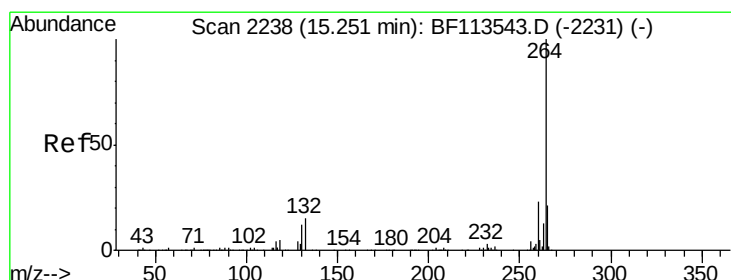
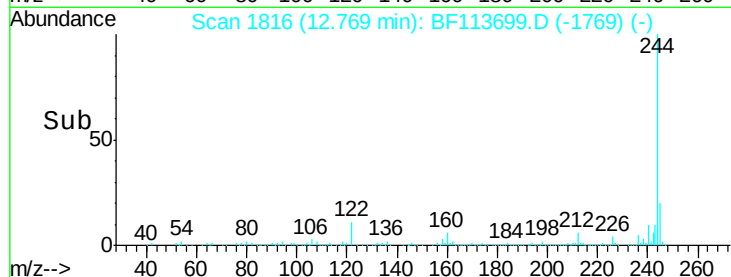
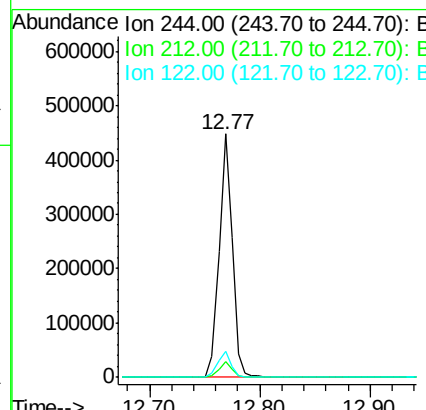
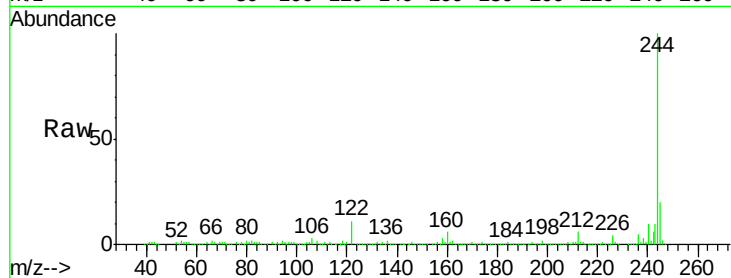




#79
 Terphenyl-d14
 Concen: 22.975 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113699.D
 Acq: 10 Apr 2019 16:30

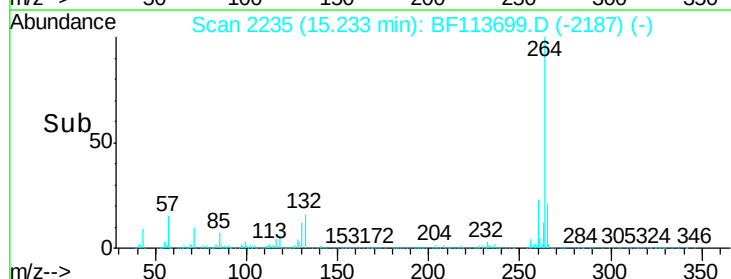
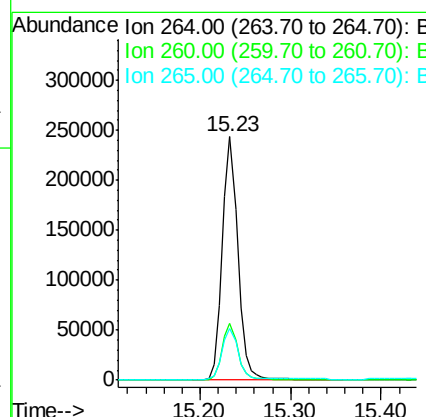
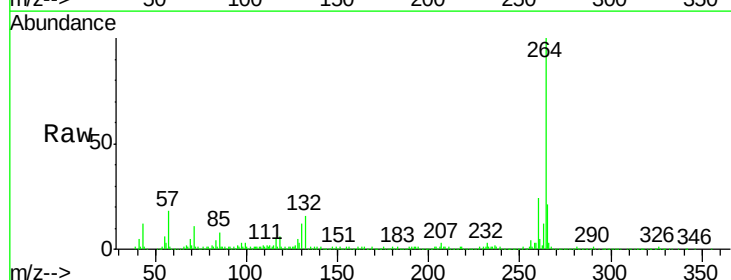
Instrument :
 BNA_F
 ClientSampleId :

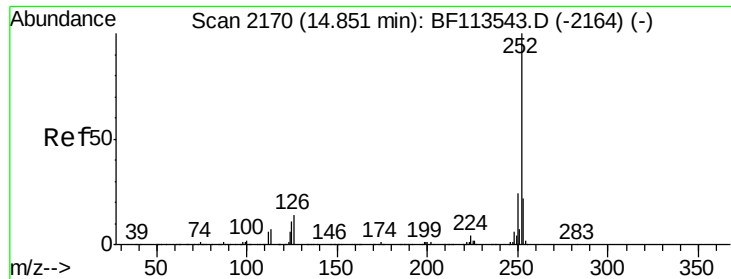
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	10.6	8.6	13.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113699.D
 Acq: 10 Apr 2019 16:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.3	17.1	25.7

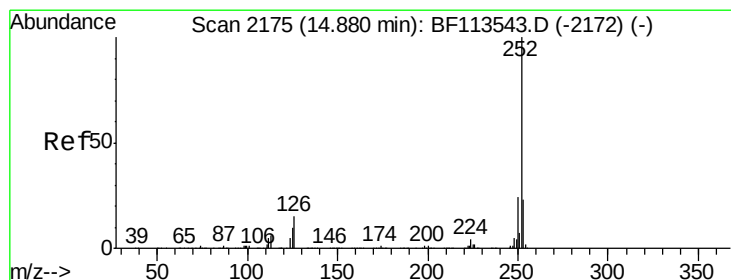
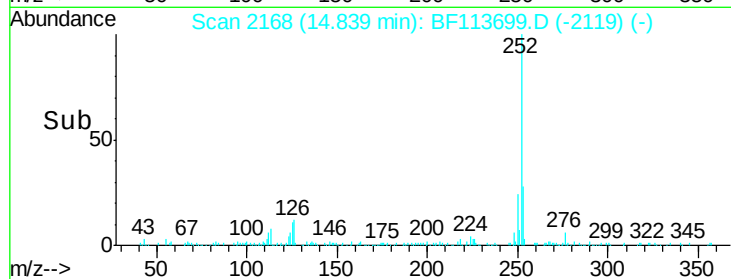
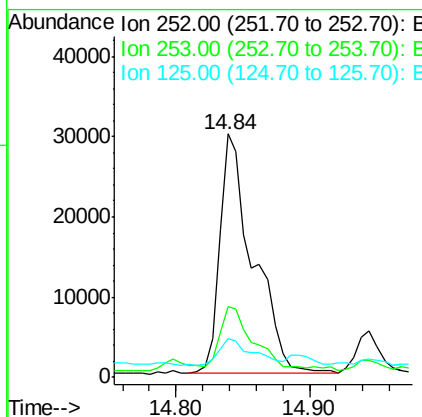
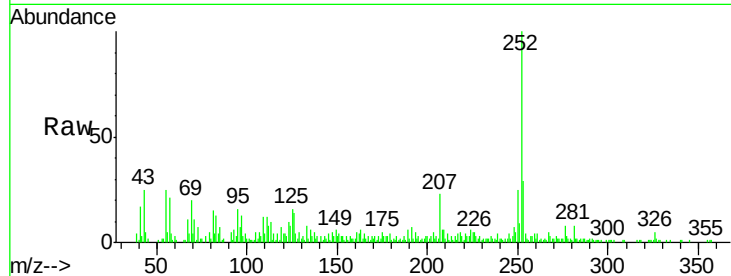




#88
Benzo(b)fluoranthene
Concen: 2.966 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113699.D
Acq: 10 Apr 2019 16:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.0	27.0#
125	16.0	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 3.305 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113699.D
Acq: 10 Apr 2019 16:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.7	26.5#
125	16.0	7.3	10.9#

