

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040919\
 Data File : BF113663.D
 Acq On : 9 Apr 2019 16:06
 Operator : JU/SJ
 Sample : K2316-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 02:24:25 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	6.68	152	99533	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	378709	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	184398	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	380497	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	305530	20.00	ng	-0.02
87) Perylene-d12	15.23	264	283897	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	505316	86.57	ng	0.00
7) Phenol-d6	6.33	99	786924	109.39	ng	-0.01
23) Nitrobenzene-d5	7.25	82	493312	76.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	202267	91.31	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	904932	79.01	ng	-0.02
79) Terphenyl-d14	12.77	244	1051740	70.09	ng	-0.02

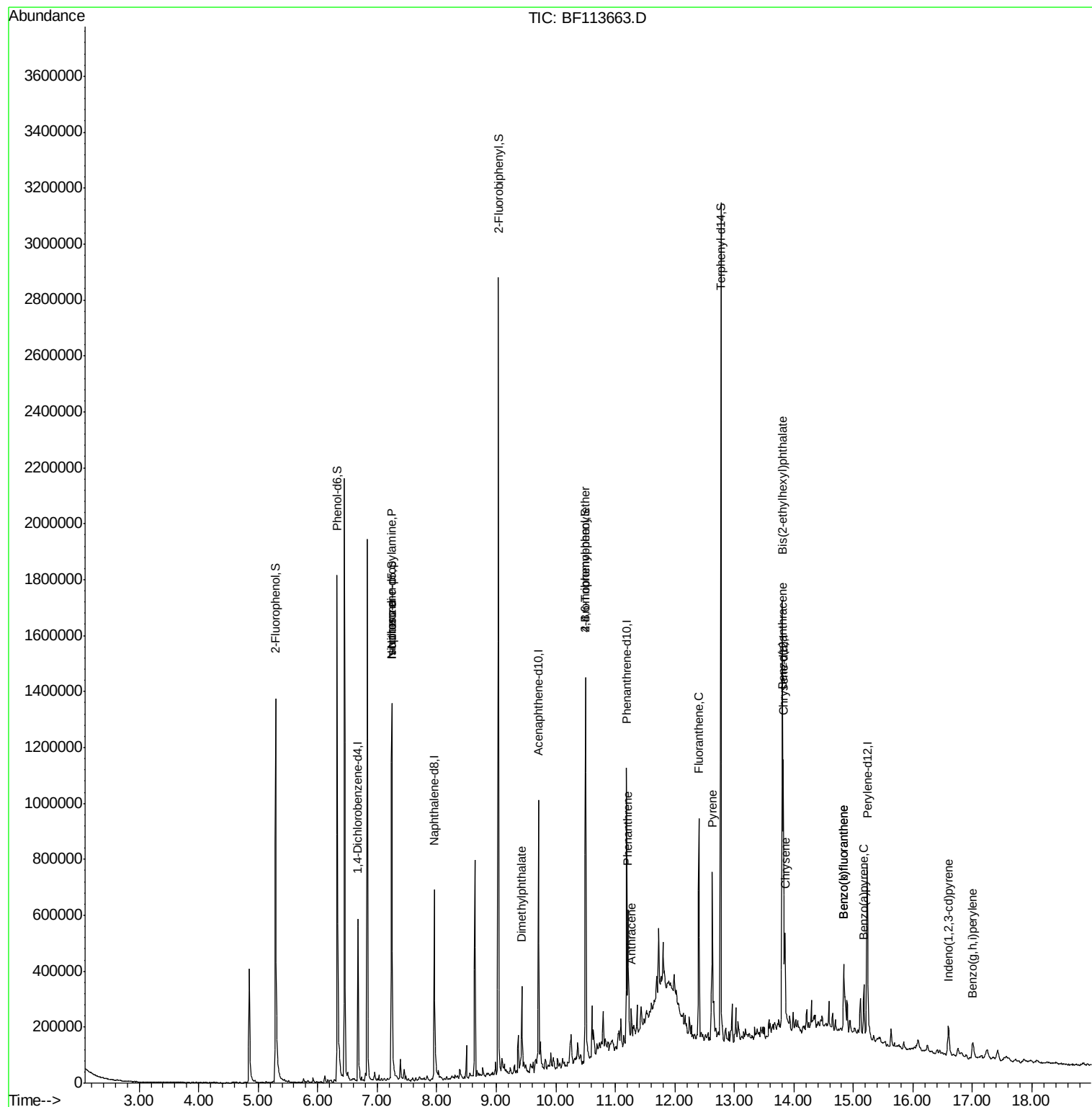
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	62031	13.983	ng	# 75
25) Isophorone	7.25	82	493309	39.609	ng	# 64
50) Dimethylphthalate	9.43	163	123068	9.054	ng	100
67) 4-Bromophenyl-phenylether	10.50	248	11281	2.644	ng	# 1
71) Phenanthrene	11.22	178	176859	9.354	ng	97
72) Anthracene	11.27	178	42582	2.214	ng	99
75) Fluoranthene	12.40	202	316111	15.602	ng	98
78) Pyrene	12.63	202	259103	11.145	ng	98
81) Benzo(a)anthracene	13.82	228	132604	7.524	ng	99
83) Chrysene	13.85	228	114655	6.417	ng	98
84) Bis(2-ethylhexyl)phthalate	13.80	149	392558	34.310	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	52252	3.168	ng	100
88) Benzo(b)fluoranthene	14.84	252	174921	10.066	ng	# 98
89) Benzo(k)fluoranthene	14.84	252	174921	11.216	ng	# 97
90) Benzo(a)pyrene	15.18	252	89388	5.789	ng	99
92) Benzo(g,h,i)perylene	17.00	276	50706	3.440	ng	# 93

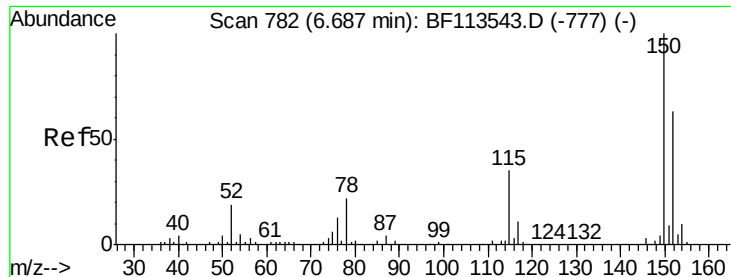
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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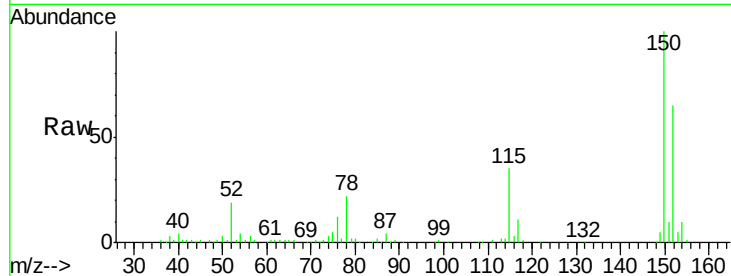


#1

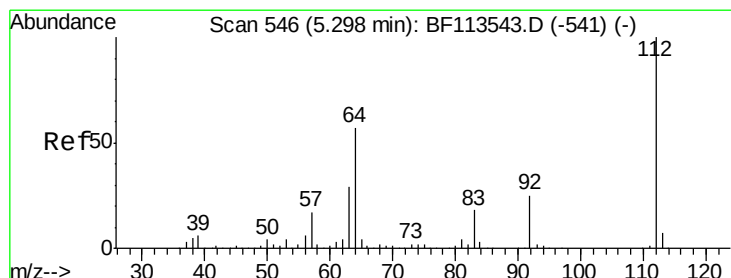
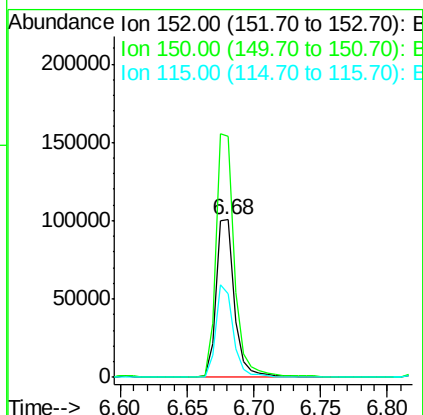
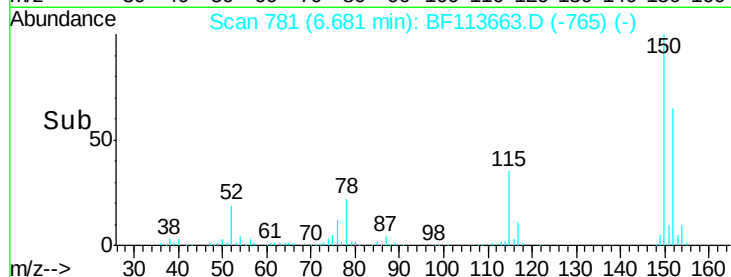
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99533
Ion Ratio Lower Upper
152 100
150 153.0 124.7 187.1
115 53.4 46.0 69.0



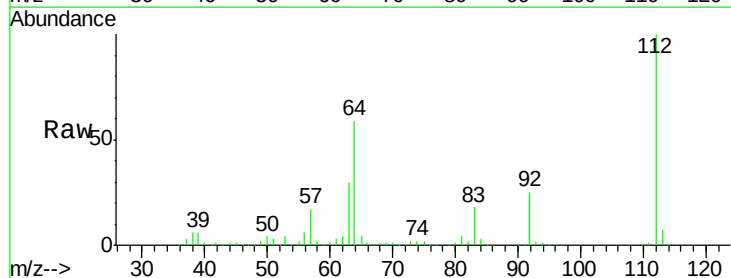
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



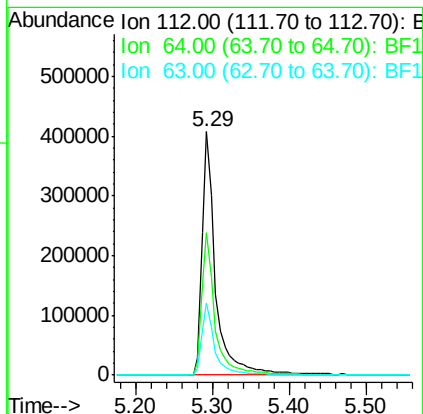
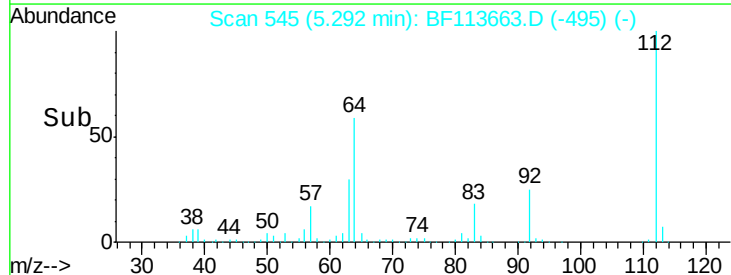
#5

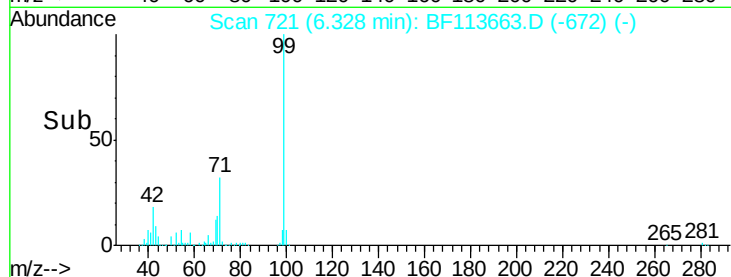
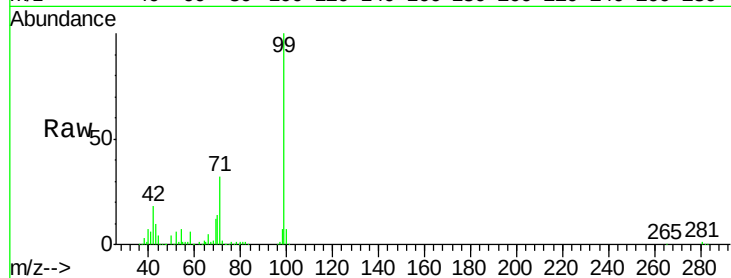
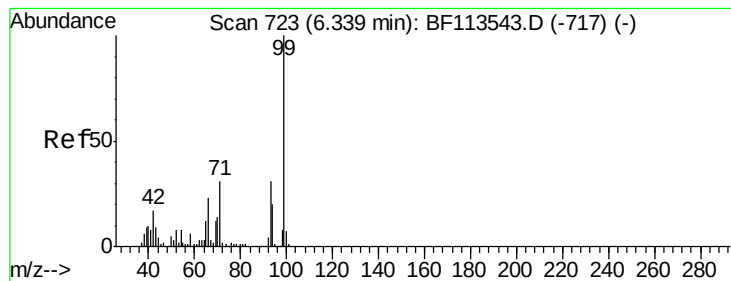
2-Fluorophenol
Concen: 86.572 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Tgt Ion:112 Resp: 505316
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 29.5 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: 109.385 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

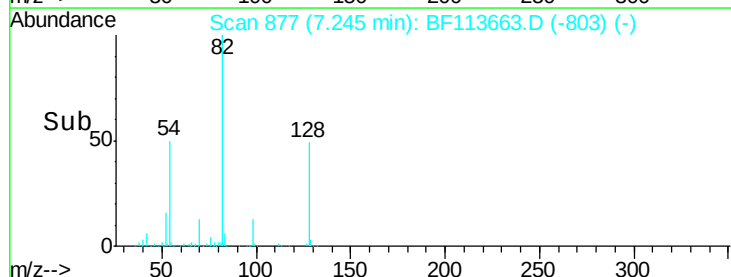
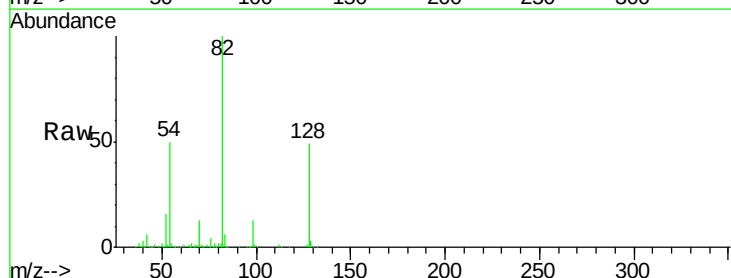
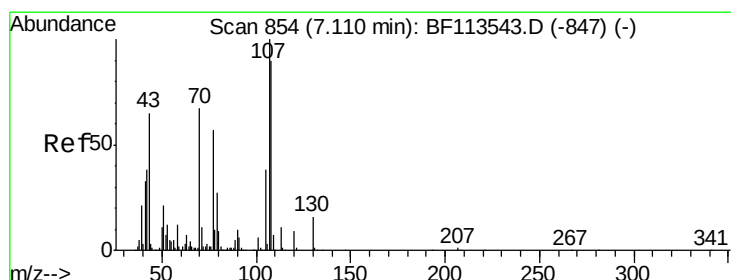
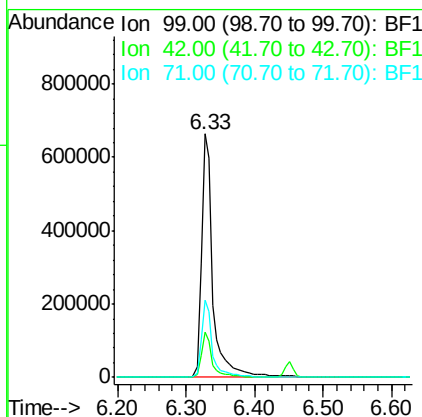
Tot Ion: 99 Resp: 786924

Ion Ratio Lower Upper

99 100

42 18.3 14.8 22.2

71 31.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.983 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Tgt Ion: 70 Resp: 62031

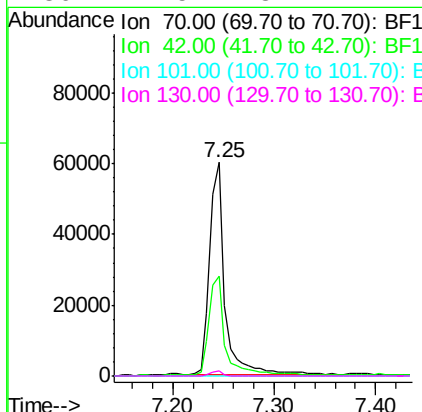
Ion Ratio Lower Upper

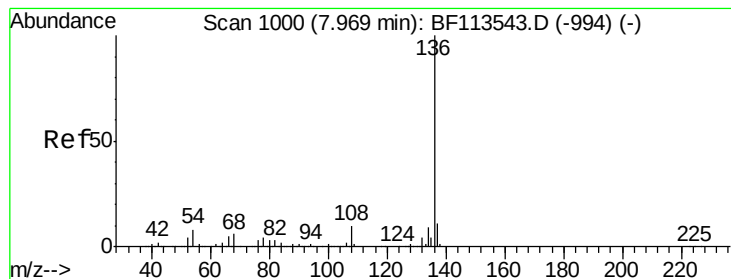
70 100

42 47.0 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 378709

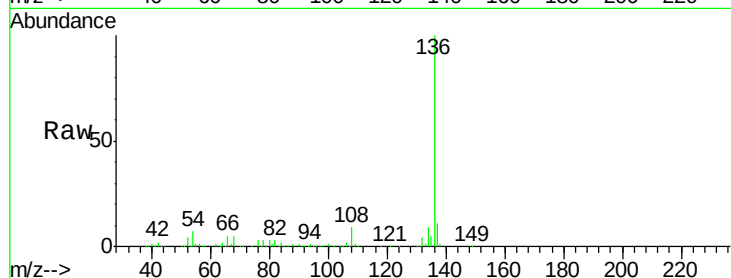
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 7.0 10.6

68 5.5 4.8 7.2

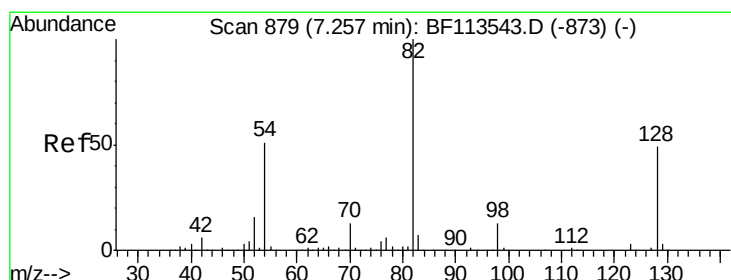
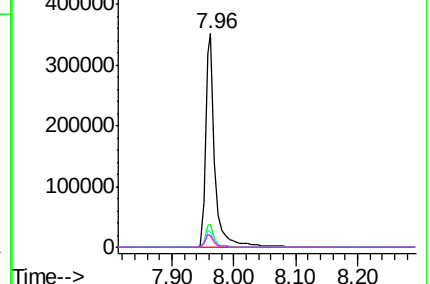
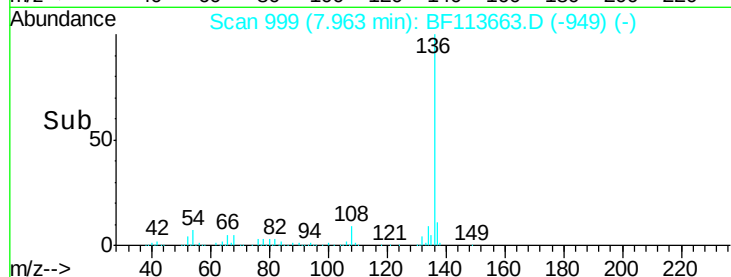


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.301 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

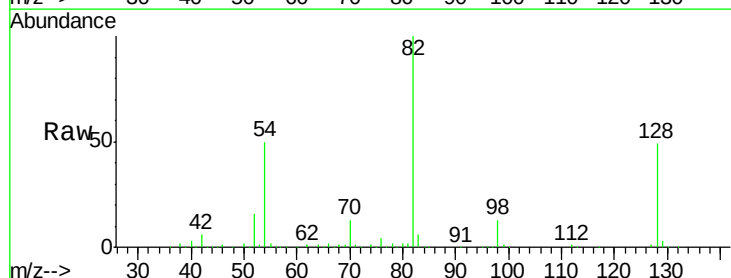
Tgt Ion: 82 Resp: 493312

Ion Ratio Lower Upper

82 100

128 48.6 36.5 54.7

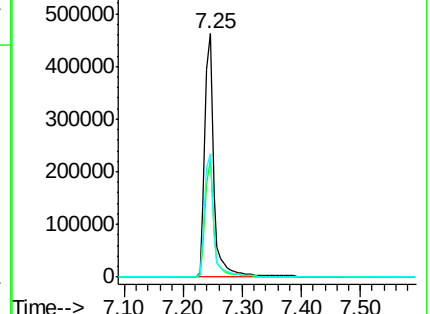
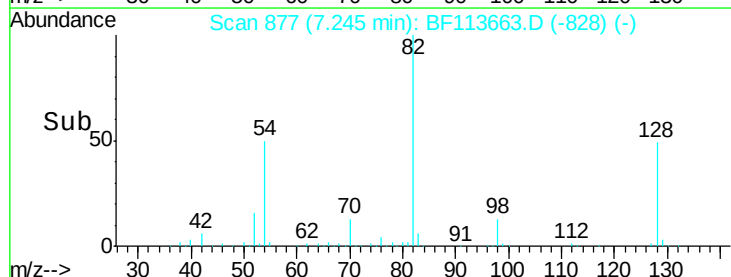
54 50.4 42.2 63.2

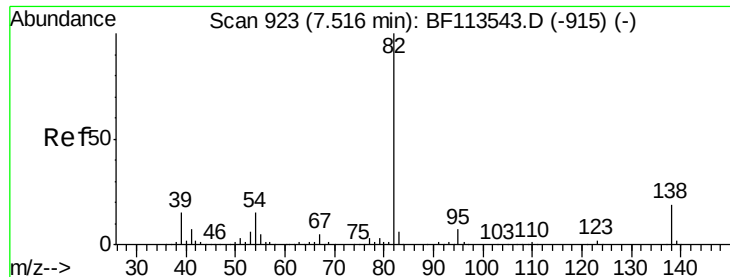


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

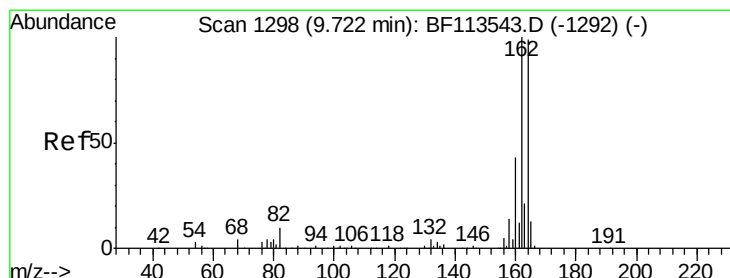
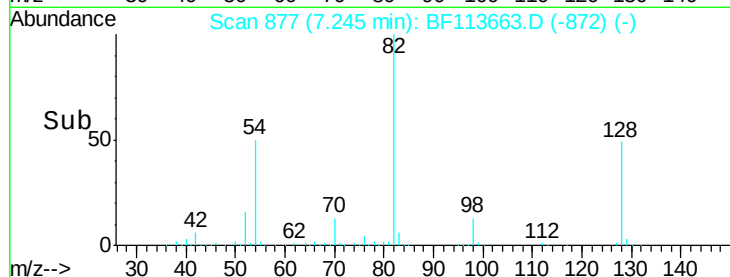
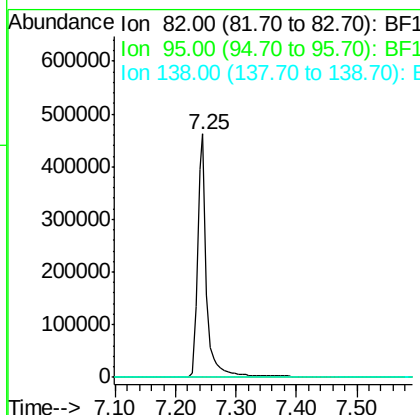
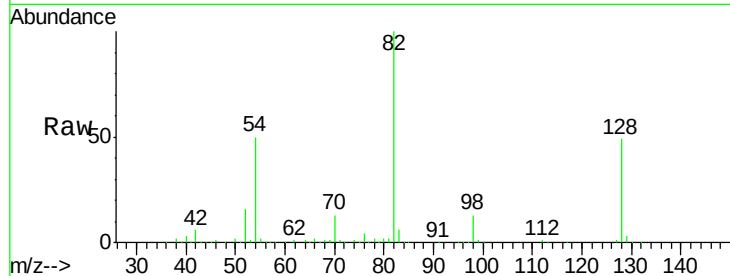




#25
Isophorone
Concen: 39.609 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.27 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

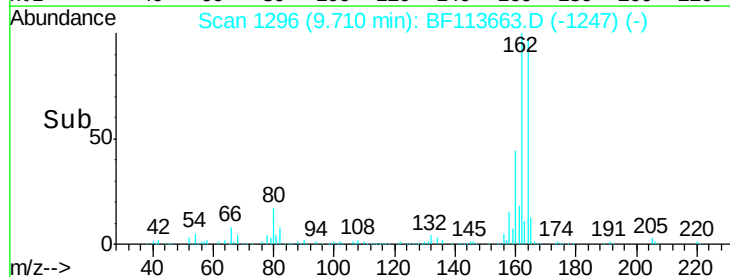
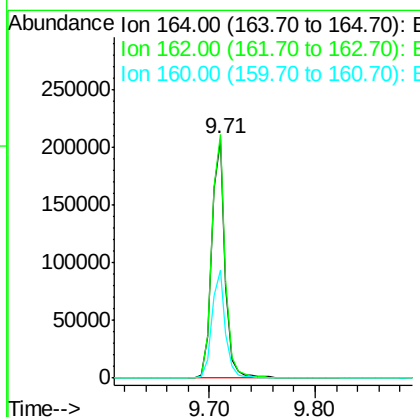
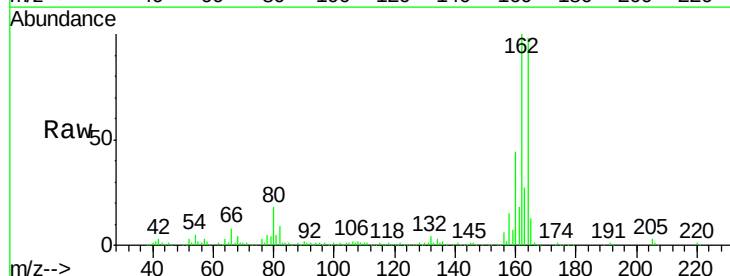
Instrument :
BNA_F
ClientSampleId :

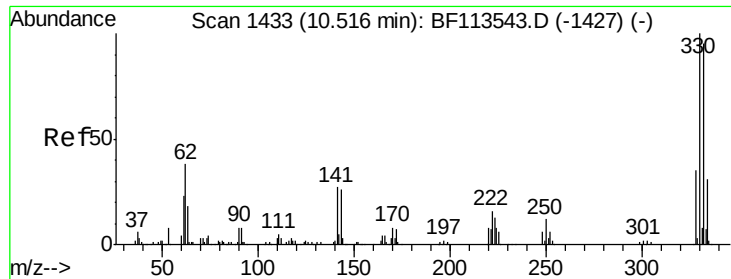
Tot Ion: 82 Resp: 493309
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Tgt Ion: 164 Resp: 184398
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 45.1 36.4 54.6

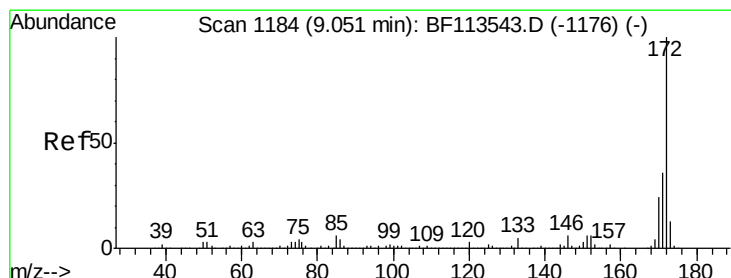
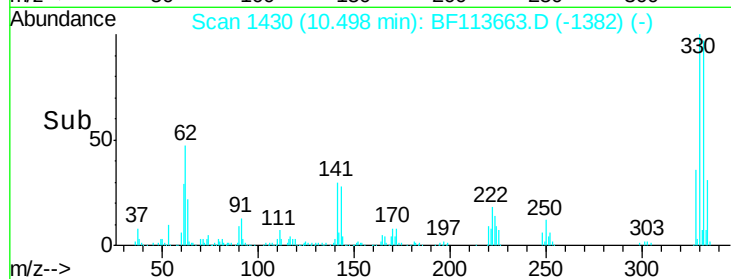
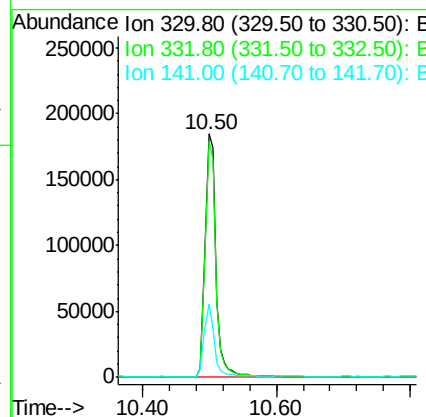
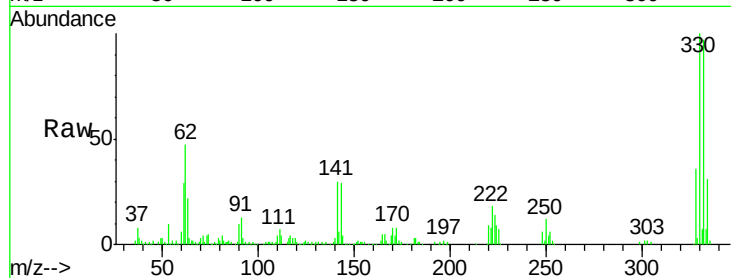




#42
 2,4,6-Tribromophenol
 Concen: 91.314 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

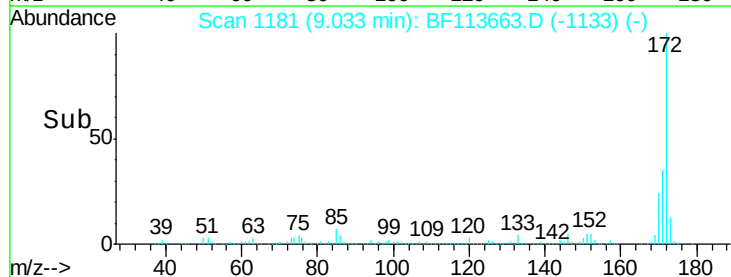
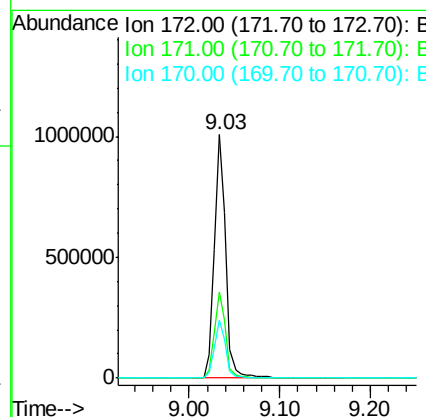
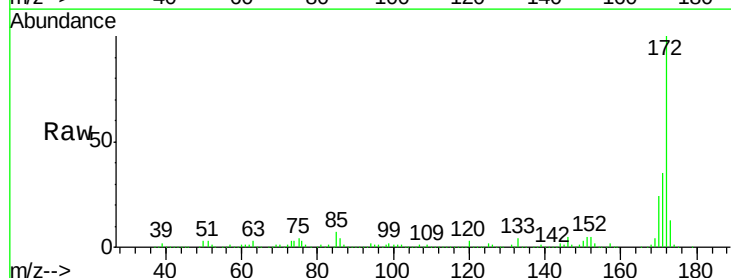
Instrument :
 BNA_F
 ClientSampled :

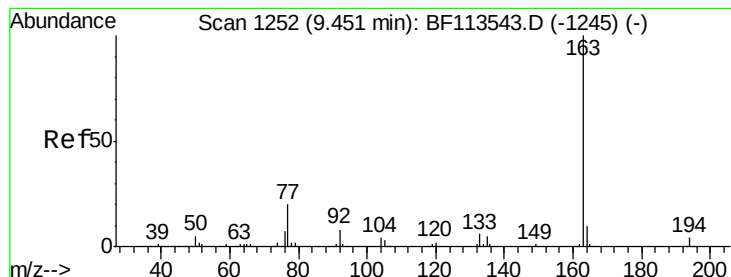
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.8	116.6
141	27.2	22.7	34.1



#45
 2-Fluorobiphenyl
 Concen: 79.005 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.9	19.5	29.3





#50

Dimethylphthalate

Concen: 9.054 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

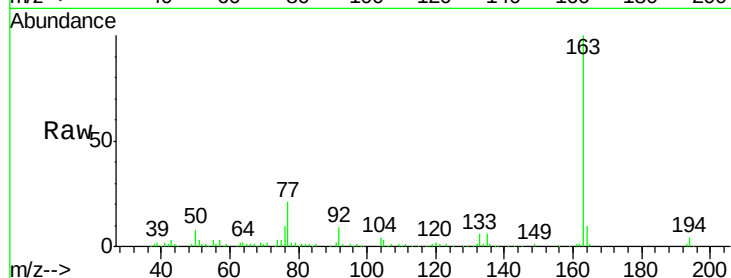
Tot Ion:163 Resp: 123068

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

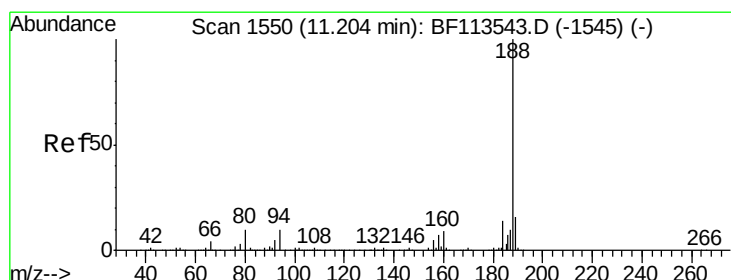
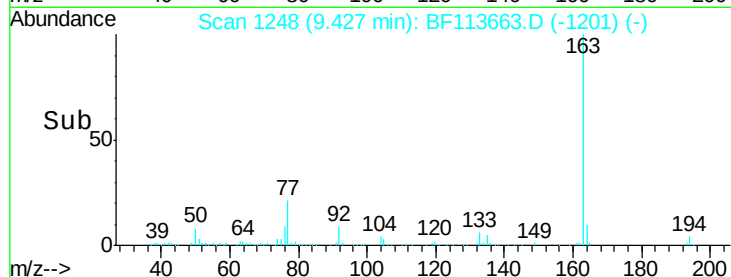
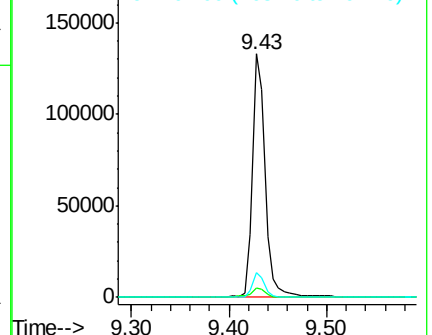
164 10.2 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

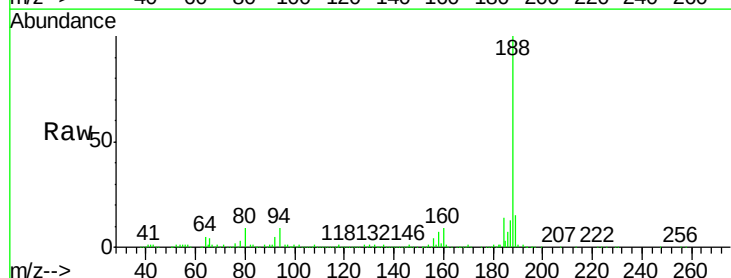
Tgt Ion:188 Resp: 380497

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

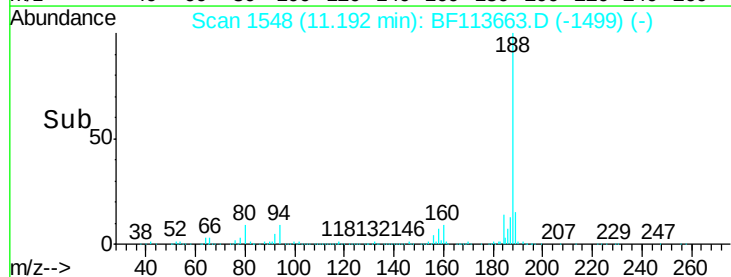
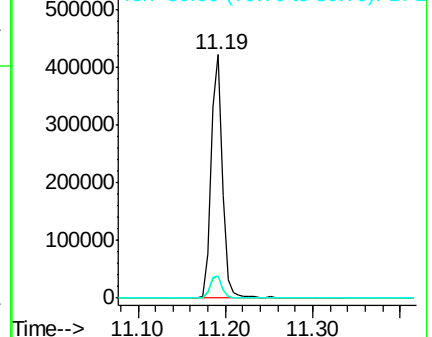
80 9.0 7.7 11.5

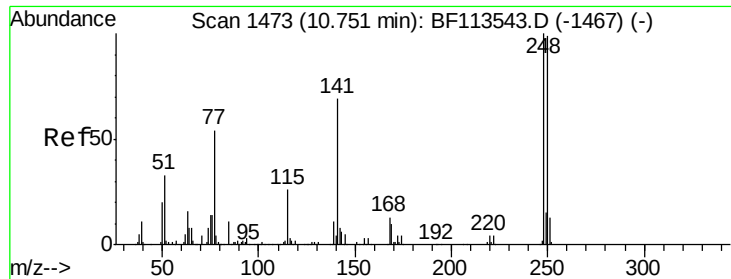


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

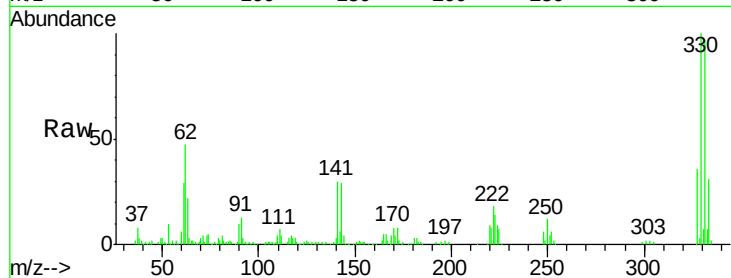




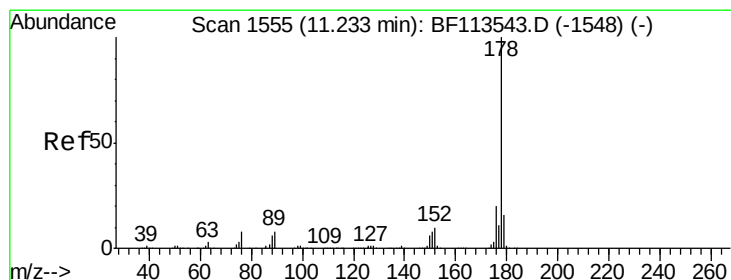
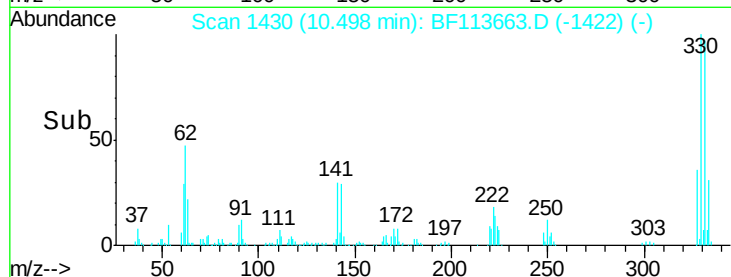
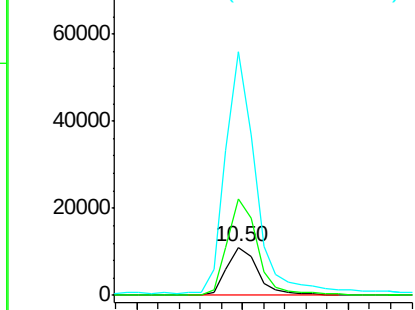
#67
 4-Bromophenyl-phenylether
 Concen: 2.644 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.25 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11281
 Ion Ratio Lower Upper
 248 100
 250 198.9 78.3 117.5#
 141 504.9 56.2 84.4#

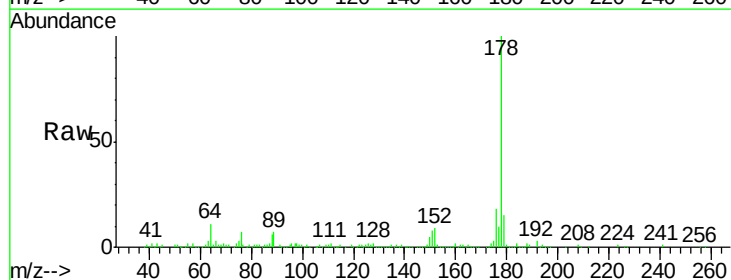


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

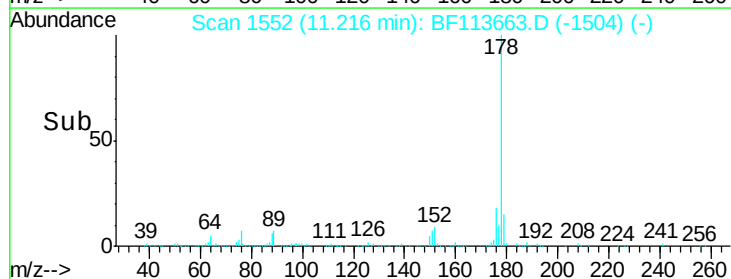
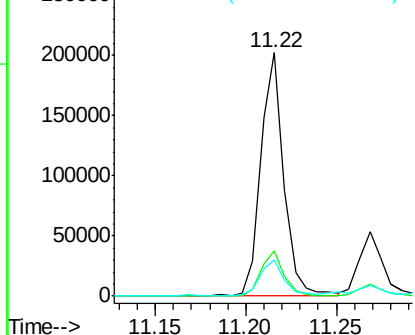


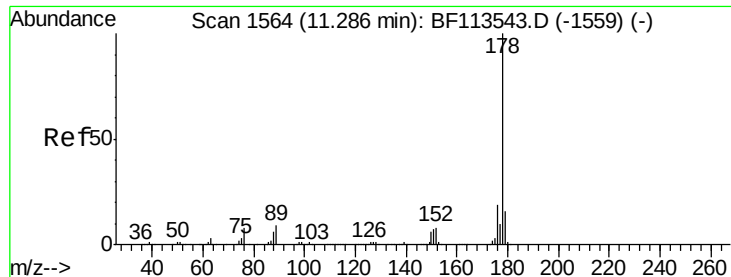
#71
 Phenanthrene
 Concen: 9.354 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

Tgt Ion:178 Resp: 176859
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.2
 179 14.8 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.214 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

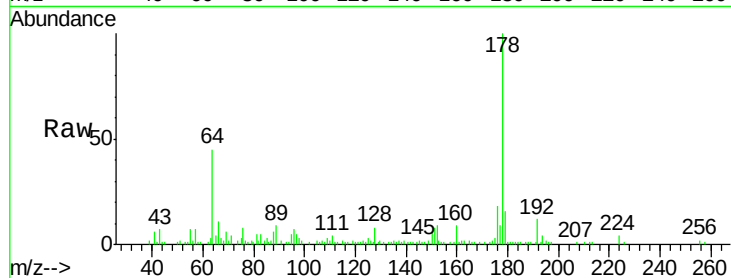
Tot Ion:178 Resp: 42582

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

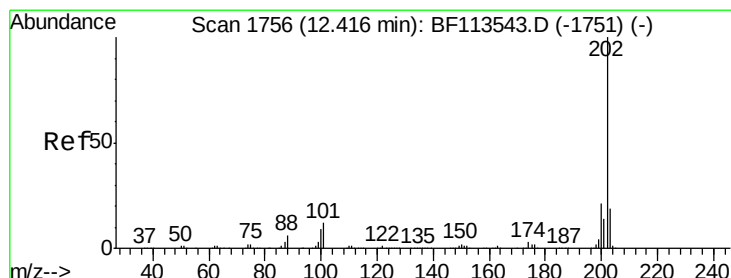
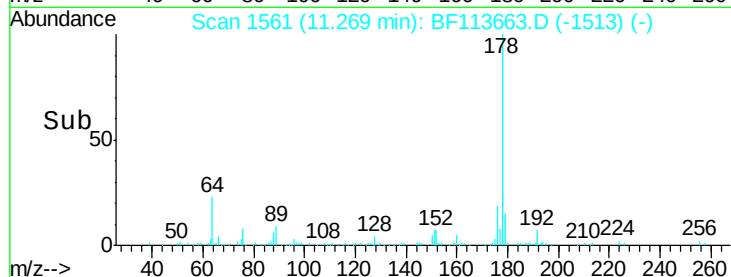
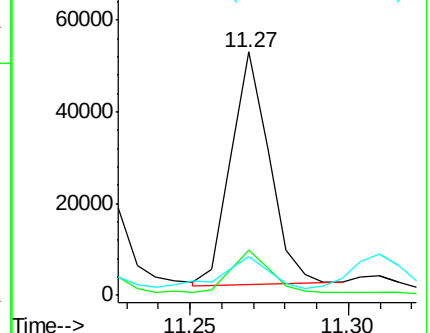
179 15.7 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 15.602 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

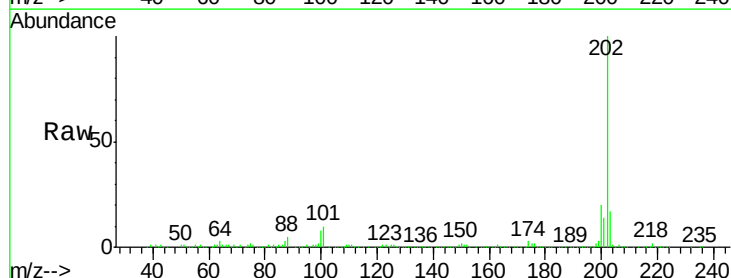
Tgt Ion:202 Resp: 316111

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.4

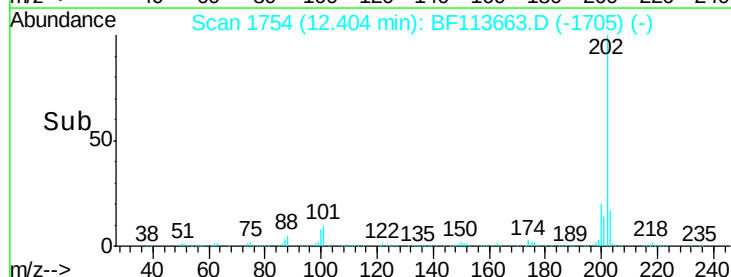
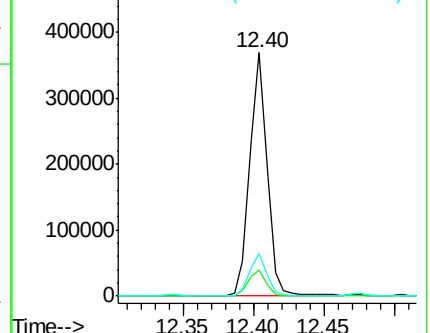
203 17.5 0.0 38.0

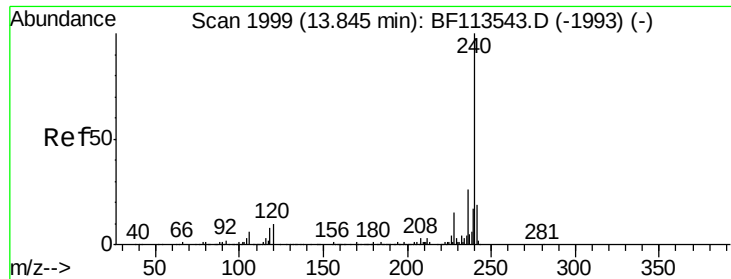


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

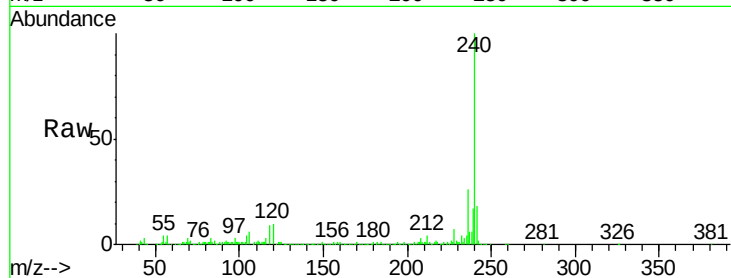
Tot Ion:240 Resp: 305530

Ion Ratio Lower Upper

240 100

120 9.8 8.8 13.2

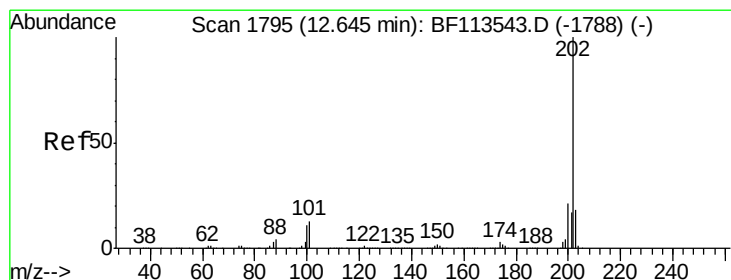
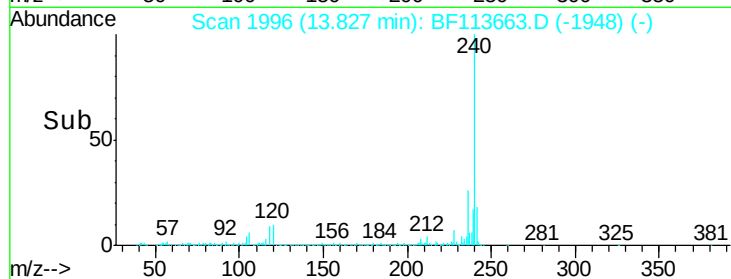
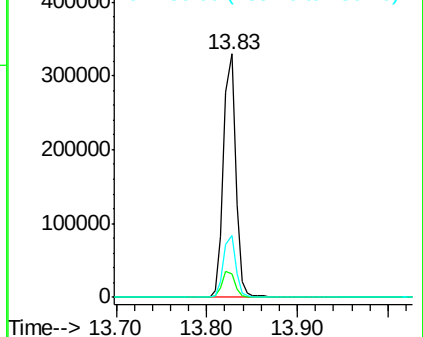
236 25.6 20.9 31.3



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: 11.145 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

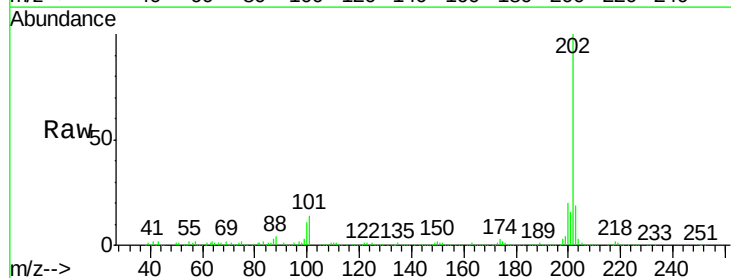
Tgt Ion:202 Resp: 259103

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

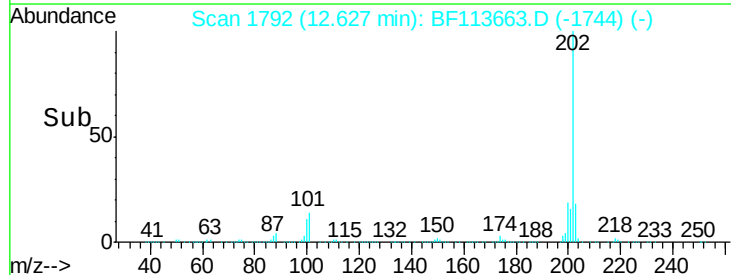
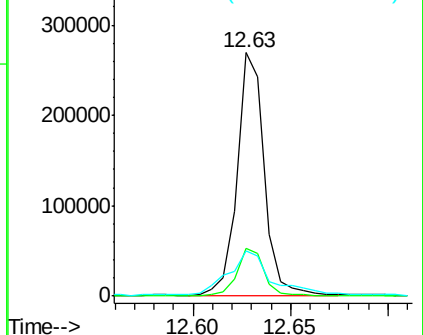
203 18.6 14.4 21.6

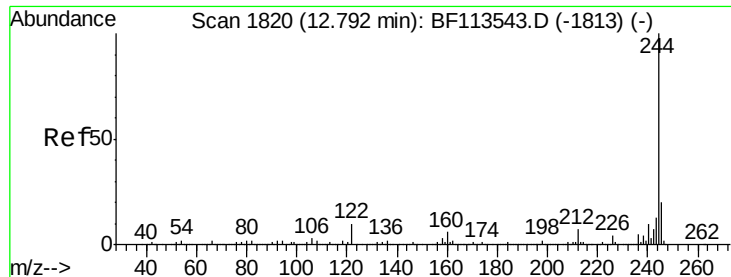


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

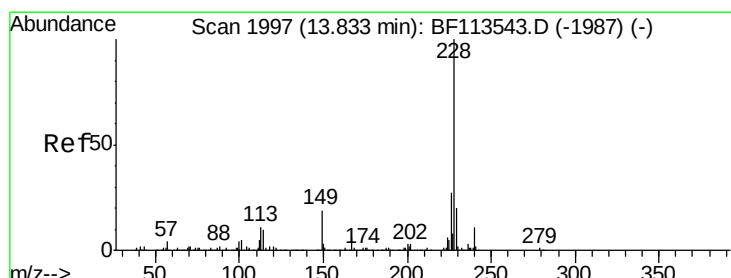
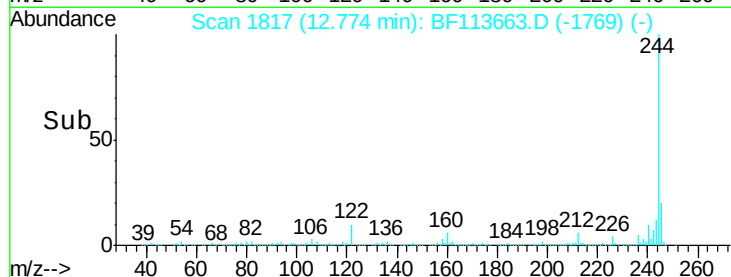
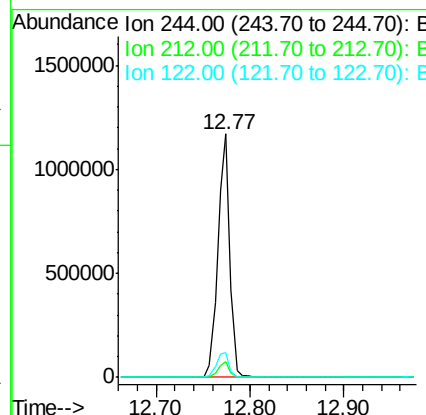
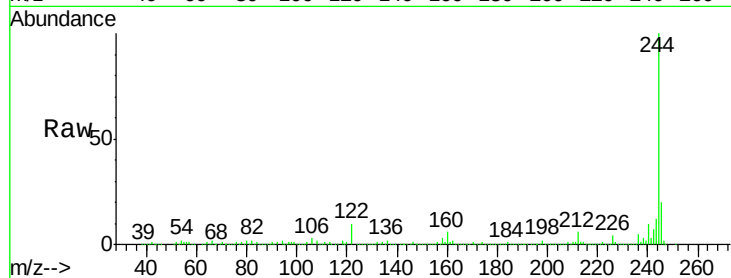




#79
 Terphenyl-d14
 Concen: 70.087 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

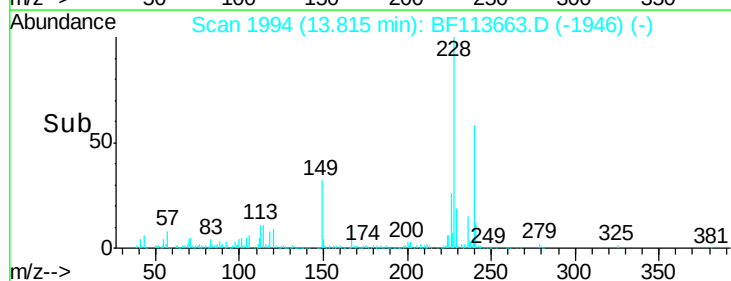
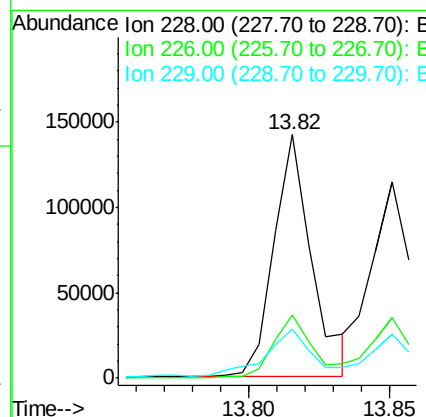
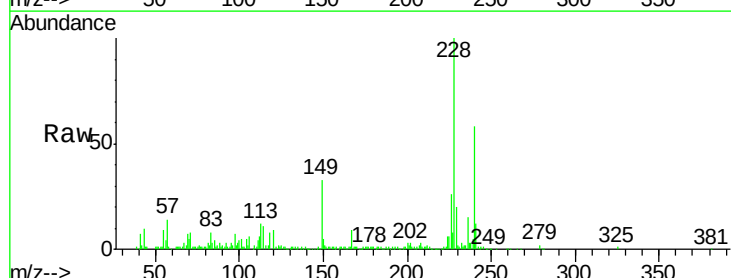
Instrument :
 BNA_F
 ClientSampleId :

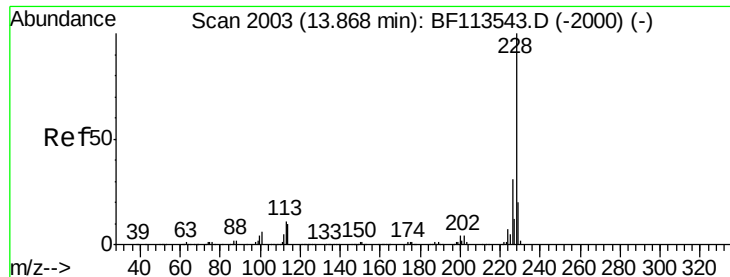
Tot Ion:244 Resp: 1051740
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 10.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 7.524 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

Tgt Ion:228 Resp: 132604
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.8 32.8
 229 20.1 16.2 24.4





#83

Chrysene

Concen: 6.417 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

Instrument :

BNA_F

ClientSampleId :

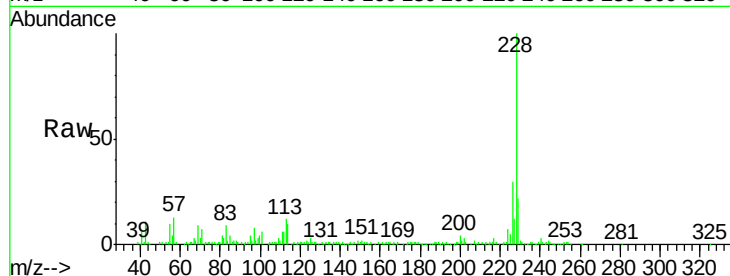
Tot Ion:228 Resp: 114655

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

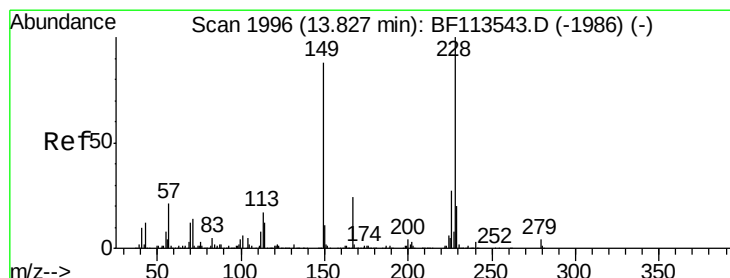
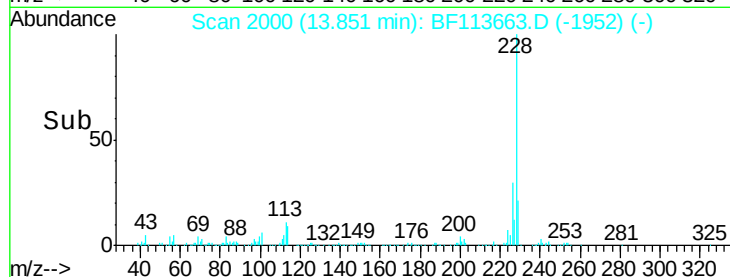
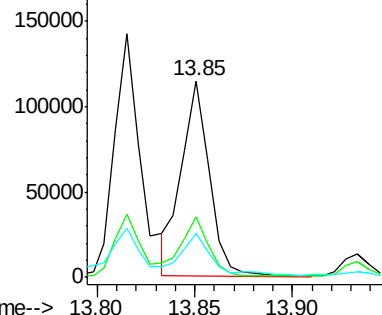
229 22.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 34.310 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF113663.D

Acq: 9 Apr 2019 16:06

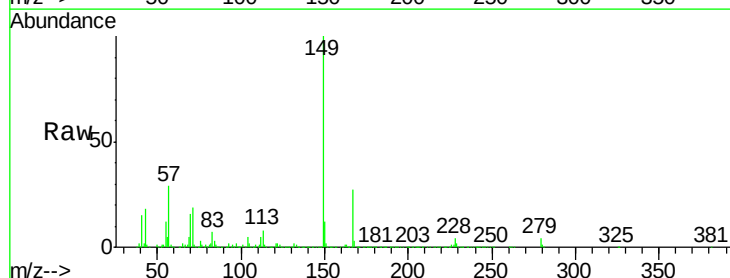
Tgt Ion:149 Resp: 392558

Ion Ratio Lower Upper

149 100

167 27.5 21.8 32.8

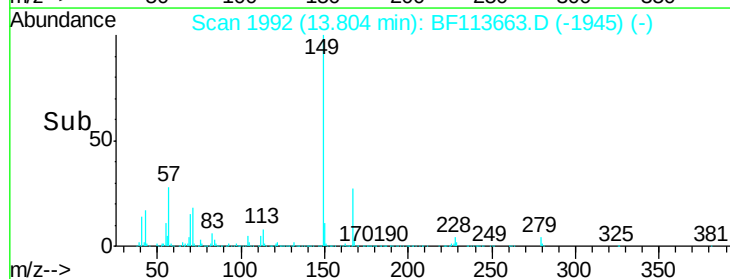
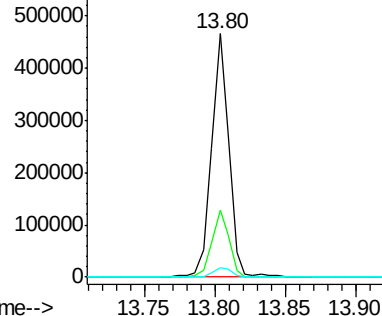
279 4.1 2.9 4.3

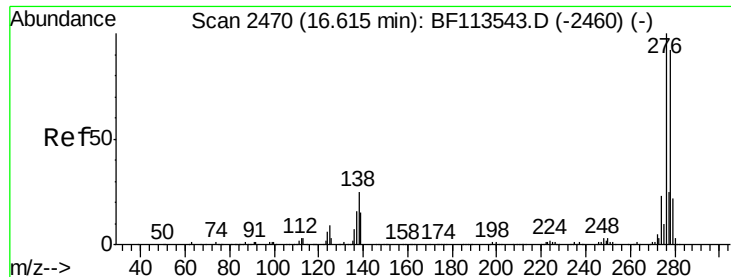


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

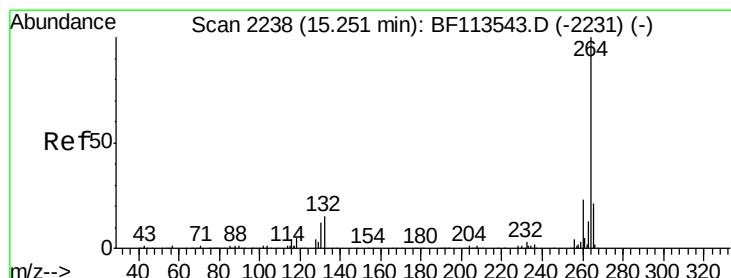
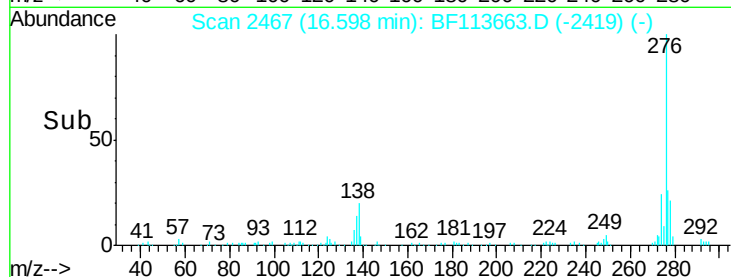
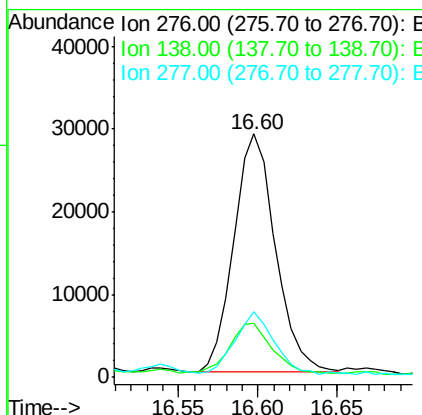
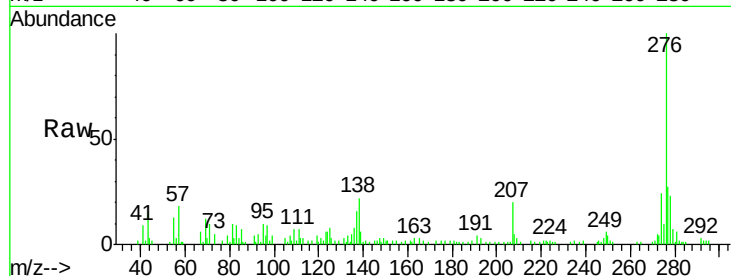




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.168 ng
 RT: 16.60 min Scan# 2467
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

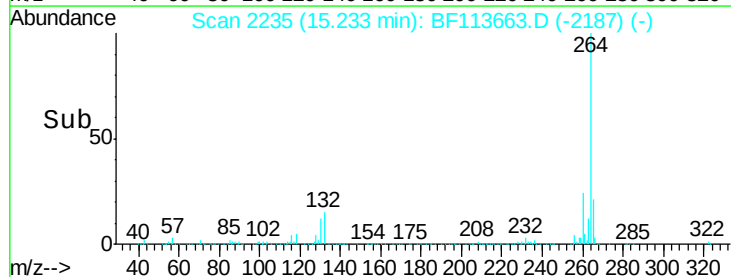
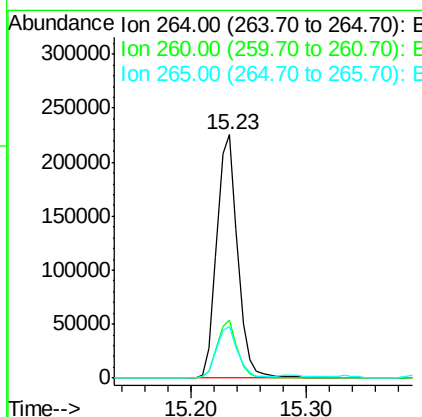
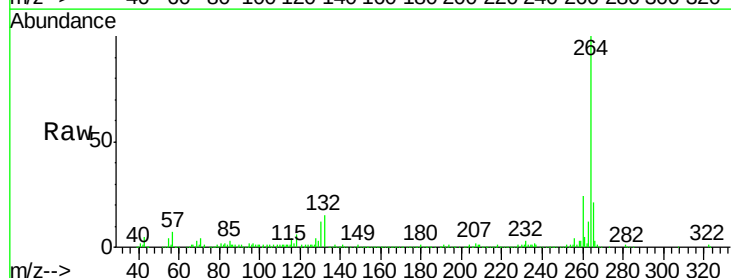
Instrument :
 BNA_F
 ClientSampleId :

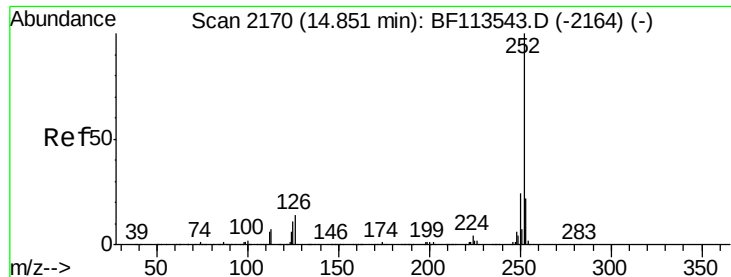
Tot Ion:276 Resp: 52252
 Ion Ratio Lower Upper
 276 100
 138 22.7 18.1 27.1
 277 25.1 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.02 min
 Lab File: BF113663.D
 Acq: 9 Apr 2019 16:06

Tgt Ion:264 Resp: 283897
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 21.3 17.1 25.7

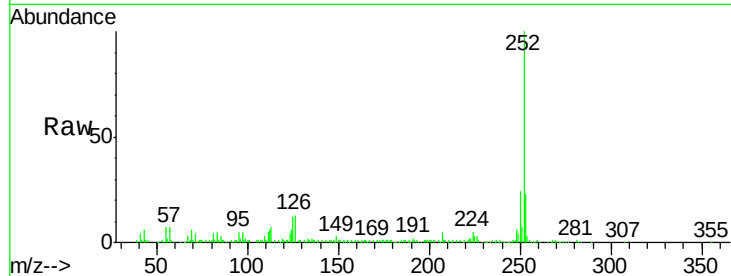




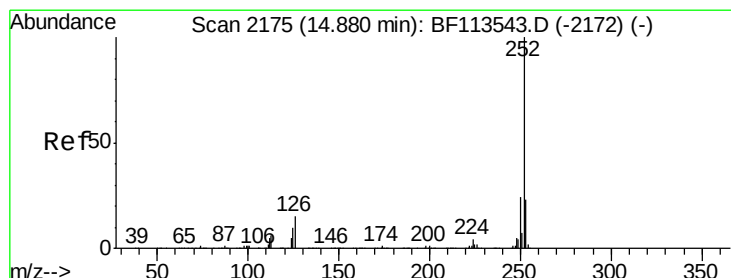
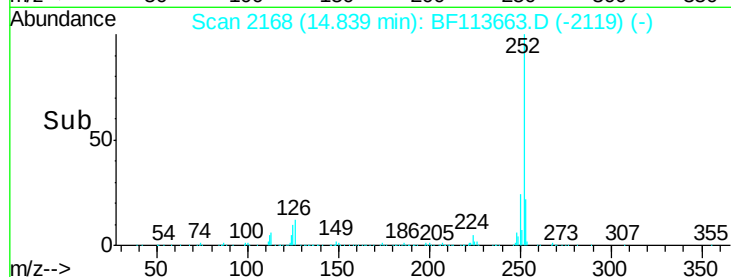
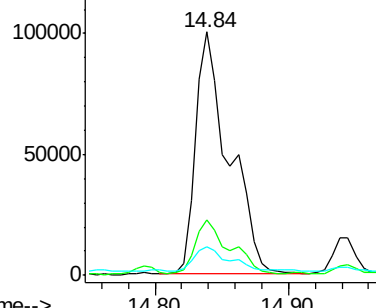
#88
Benzo(b)fluoranthene
Concen: 10.066 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 174921
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.7 7.6 11.4#

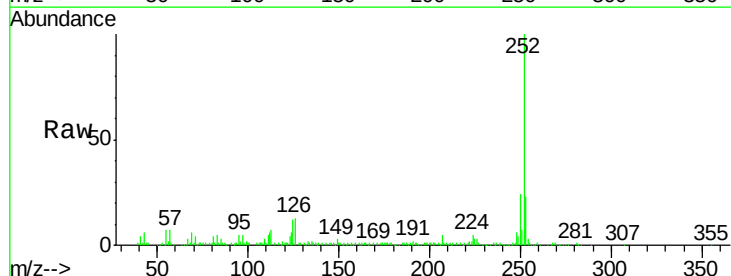


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

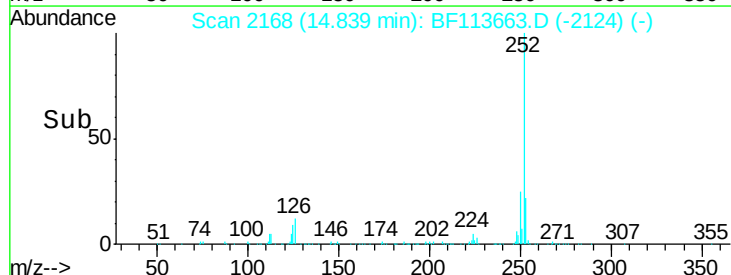
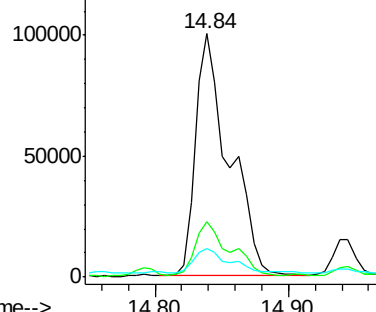


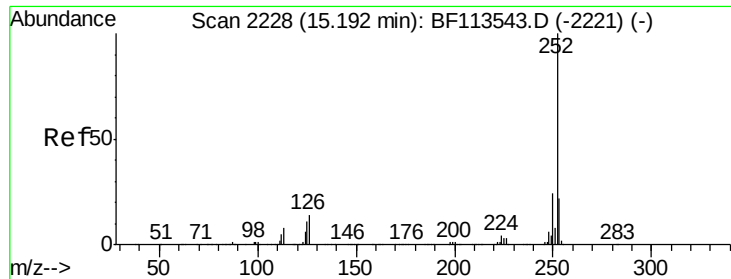
#89
Benzo(k)fluoranthene
Concen: 11.216 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Tgt Ion:252 Resp: 174921
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.7 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

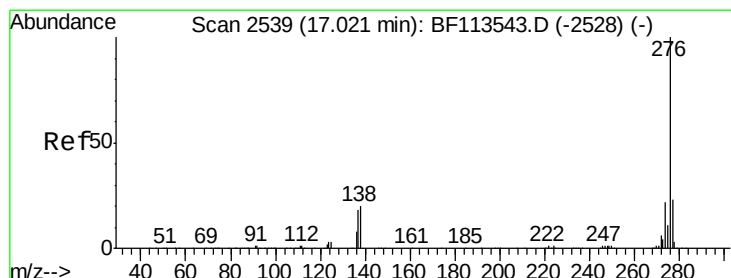
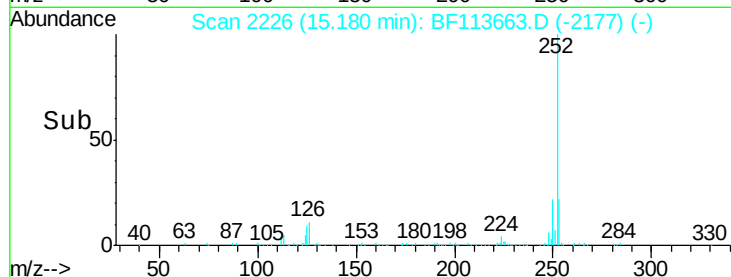
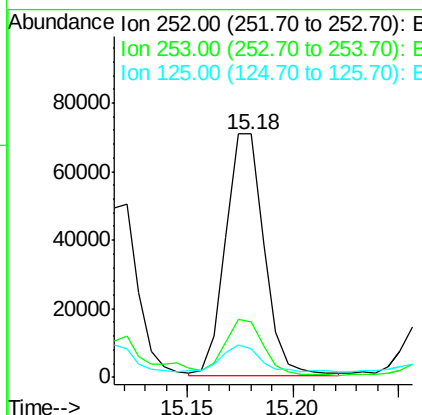
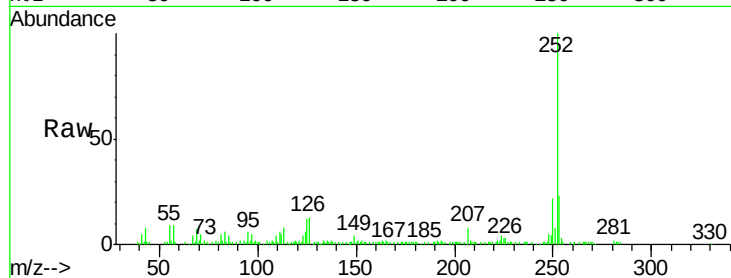




#90
Benzo(a)pyrene
Concen: 5.789 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 89388
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 11.8 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 3.440 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF113663.D
Acq: 9 Apr 2019 16:06

Tgt Ion:276 Resp: 50706
Ion Ratio Lower Upper
276 100
277 25.6 18.8 28.2
138 24.2 15.6 23.4#

