

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113710.D
 Acq On : 10 Apr 2019 21:50
 Operator : JU/SJ
 Sample : K2203-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

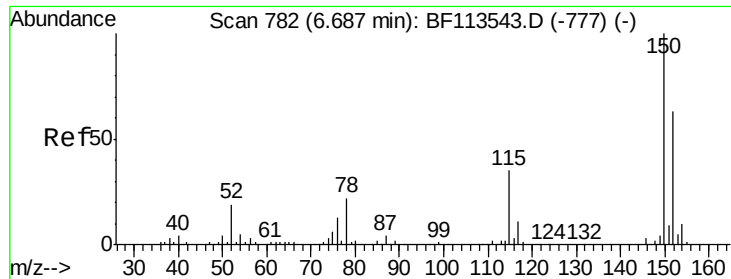
Quant Time: Apr 11 01:01:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	127856	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	460982	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	184341	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	353592	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	313342	20.00	ng	-0.02
87) Perylene-d12	15.24	264	219587	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	341419	45.54	ng	0.00
7) Phenol-d6	6.33	99	463086	50.11	ng	0.00
23) Nitrobenzene-d5	7.25	82	249035	31.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	97828	44.18	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	462166	40.36	ng	-0.02
79) Terphenyl-d14	12.77	244	469551	30.51	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	31393	5.509	ng	# 75
25) Isophorone	7.25	82	249034	16.427	ng	# 64
49) Acenaphthylene	9.57	152	63158	3.372	ng	98
50) Dimethylphthalate	9.43	163	40316	2.967	ng	100
51) 2,6-Dinitrotoluene	9.71	165	24350	8.129	ng	# 26
57) 2,4-Dinitrotoluene	9.71	165	24351	6.722	ng	# 23
71) Phenanthrene	11.22	178	182810	10.405	ng	97
72) Anthracene	11.27	178	93349	5.222	ng	99
75) Fluoranthene	12.40	202	877929	46.629	ng	100
78) Pyrene	12.63	202	854955	35.859	ng	99
81) Benzo(a)anthracene	13.82	228	467541	25.866	ng	97
83) Chrysene	13.85	228	419537	22.896	ng	99
86) Indeno(1,2,3-cd)pyrene	16.60	276	181881	10.751	ng	95
88) Benzo(b)fluoranthene	14.84	252	571126	42.490	ng	98
89) Benzo(k)fluoranthene	14.84	252	571126	47.344	ng	# 97
90) Benzo(a)pyrene	15.18	252	295072	24.704	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	45560	4.079	ng	# 78
92) Benzo(g,h,i)perylene	17.01	276	179231	15.721	ng	97

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

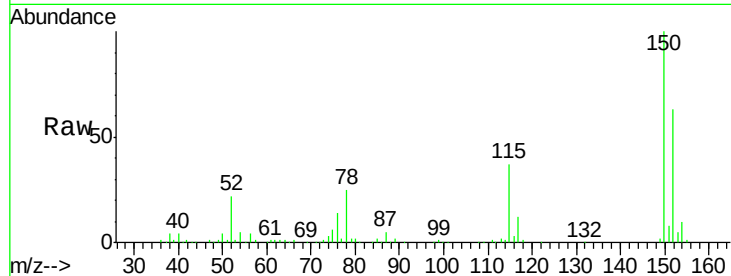


#1

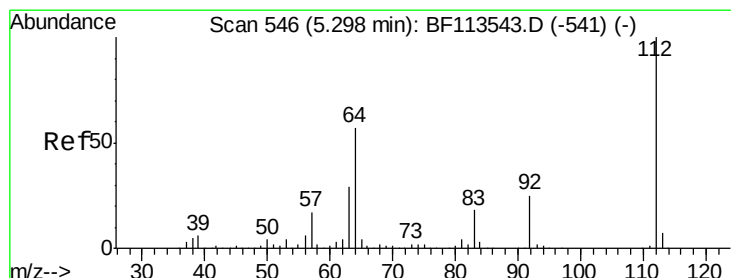
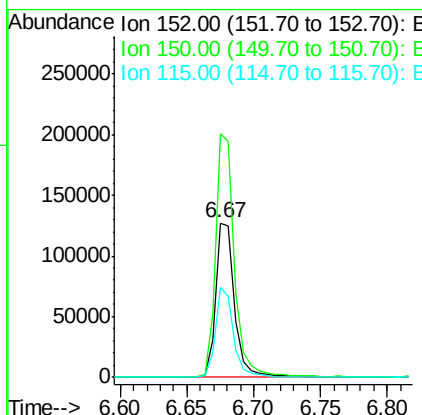
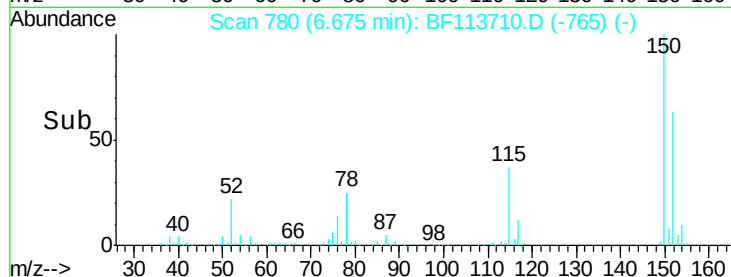
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127856
Ion Ratio Lower Upper
152 100
150 157.8 124.7 187.1
115 58.5 46.0 69.0



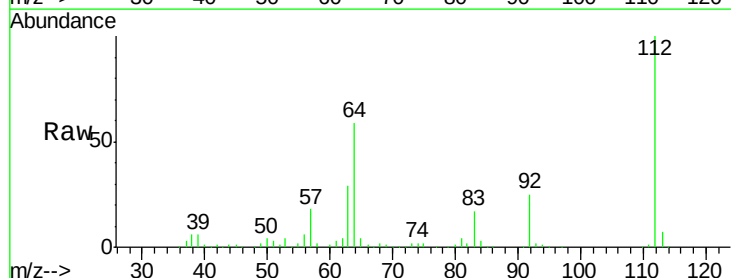
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



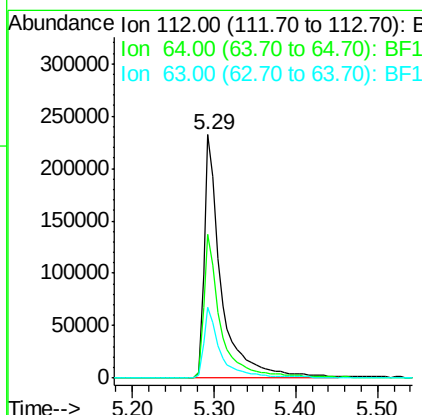
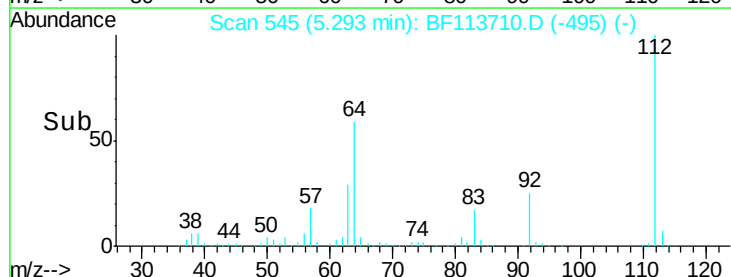
#5

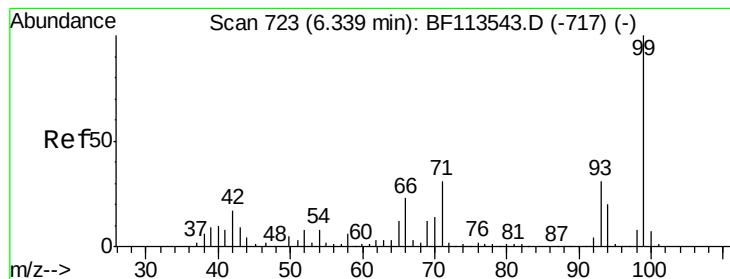
2-Fluorophenol
Concen: 45.535 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion:112 Resp: 341419
Ion Ratio Lower Upper
112 100
64 59.0 49.2 73.8
63 29.3 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: 50.111 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

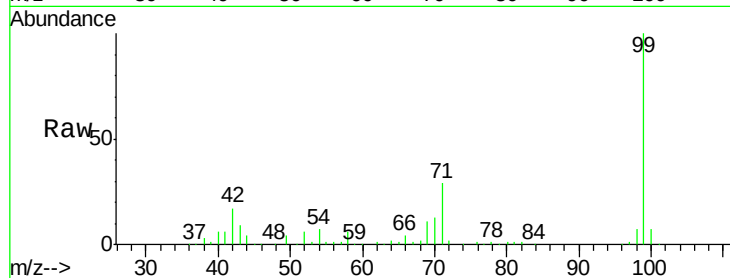
Tot Ion: 99 Resp: 463086

Ion Ratio Lower Upper

99 100

42 17.2 14.8 22.2

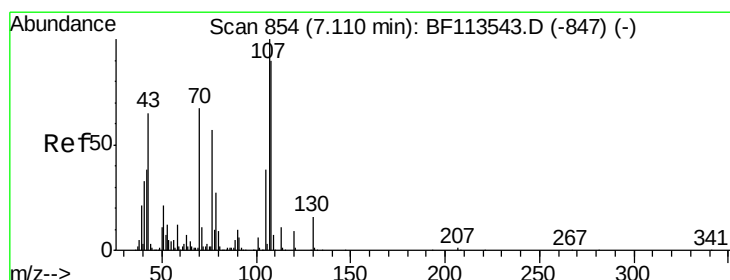
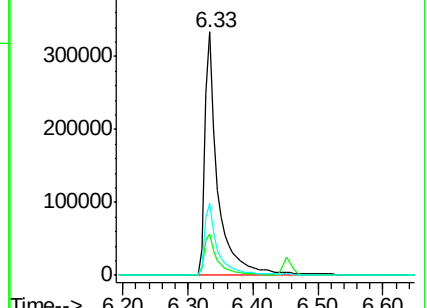
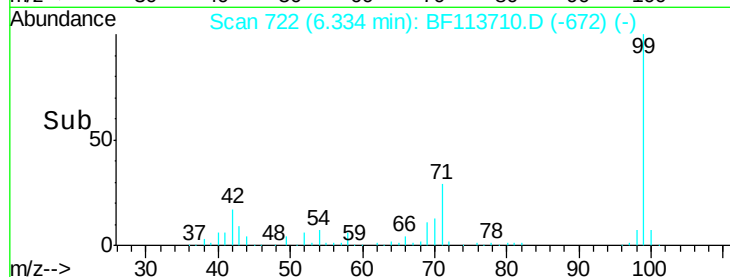
71 29.4 24.9 37.3



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: 5.509 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion: 70 Resp: 31393

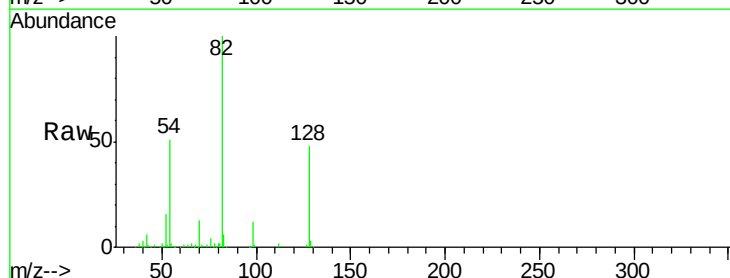
Ion Ratio Lower Upper

70 100

42 46.6 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

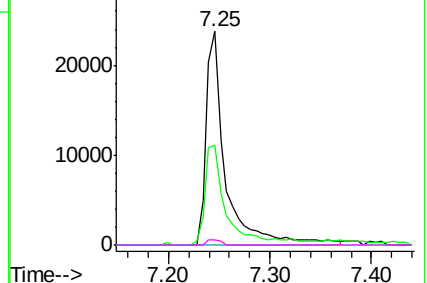
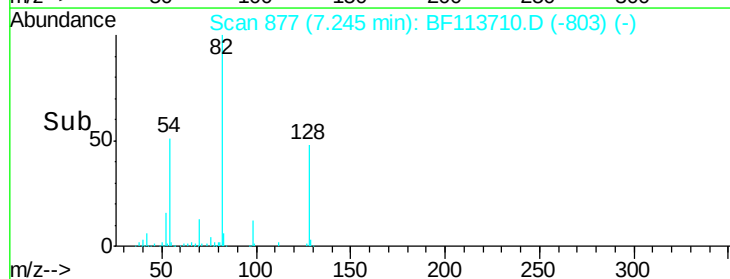


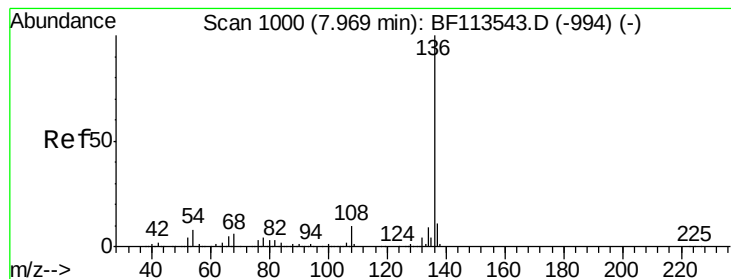
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 999

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 460982

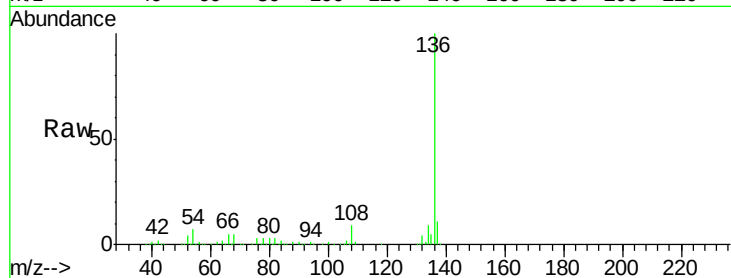
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.1 7.0 10.6

68 5.2 4.8 7.2

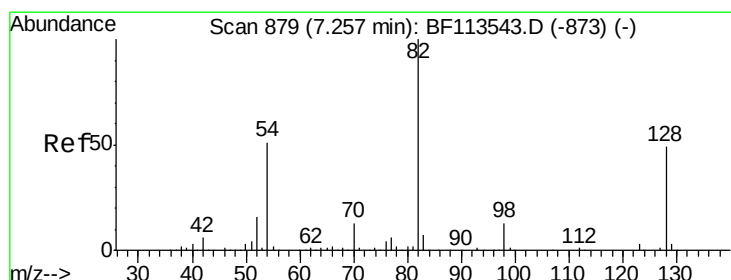
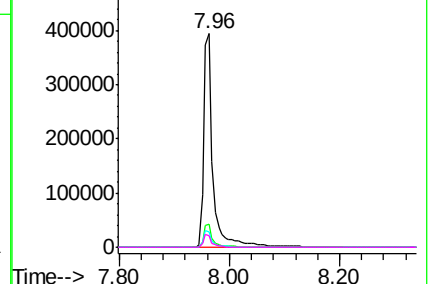
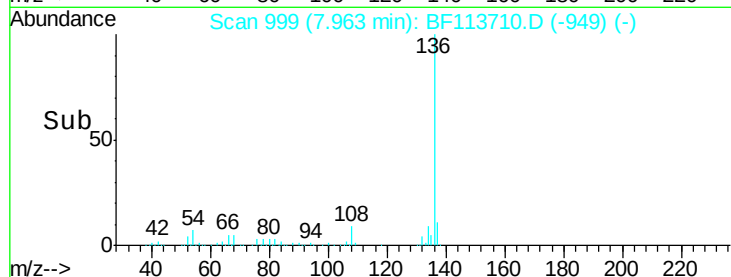


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.644 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

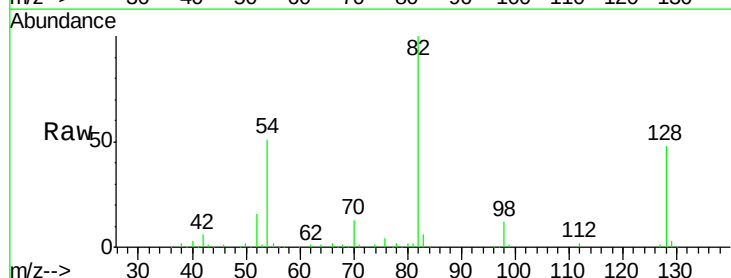
Tgt Ion: 82 Resp: 249035

Ion Ratio Lower Upper

82 100

128 48.5 36.5 54.7

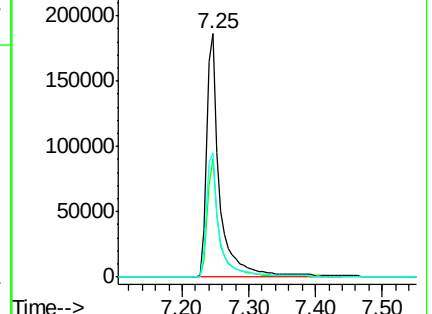
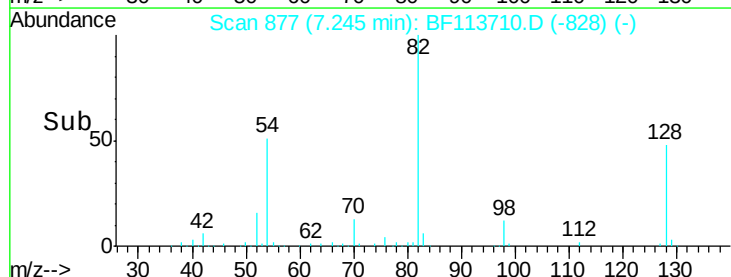
54 51.0 42.2 63.2

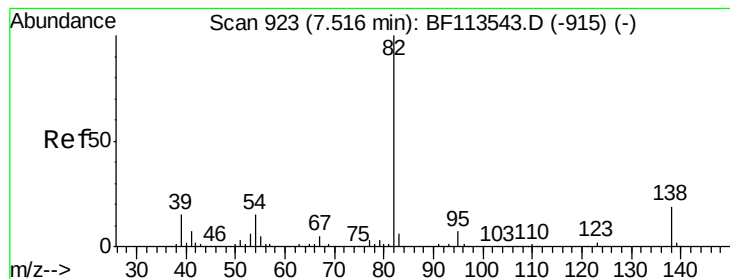


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.427 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

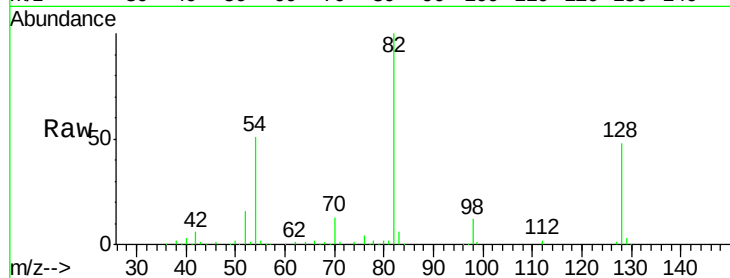
Tot Ion: 82 Resp: 249034

Ion Ratio Lower Upper

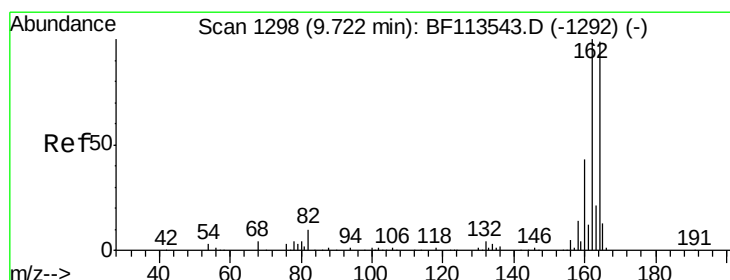
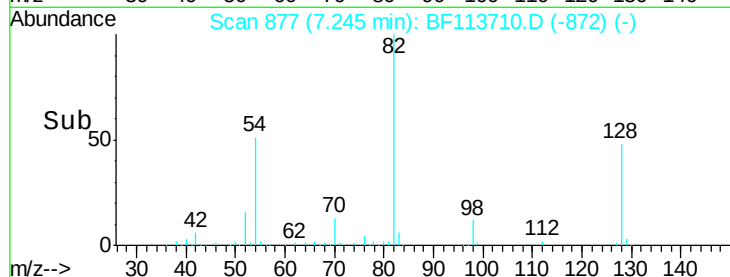
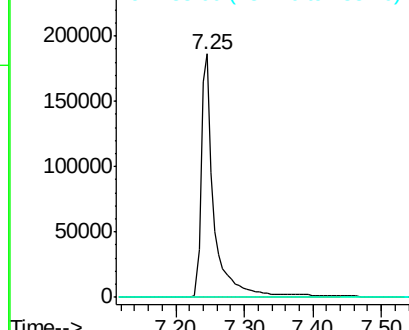
82 100

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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

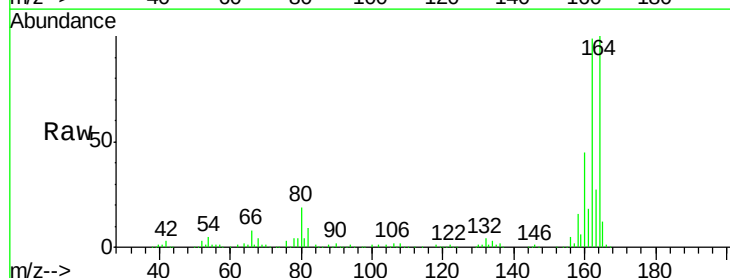
Tgt Ion:164 Resp: 184341

Ion Ratio Lower Upper

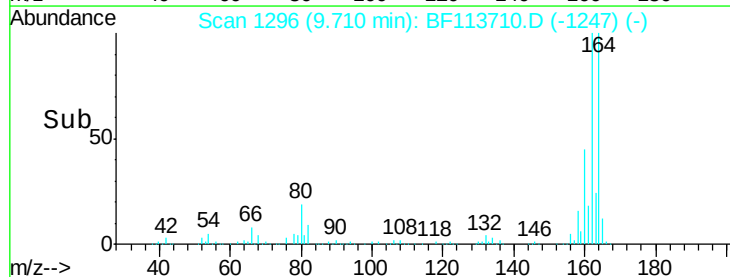
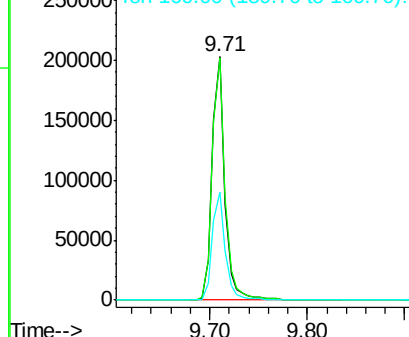
164 100

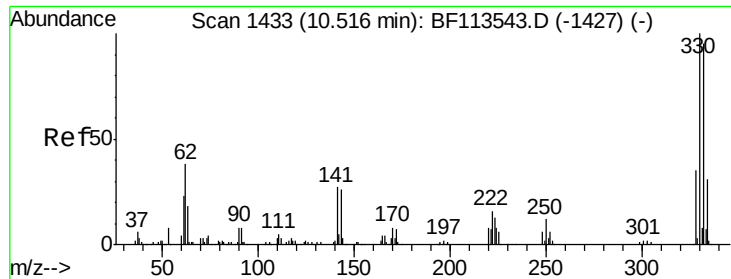
162 99.4 81.8 122.6

160 44.6 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

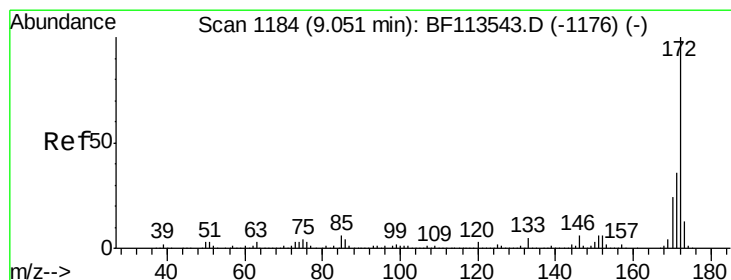
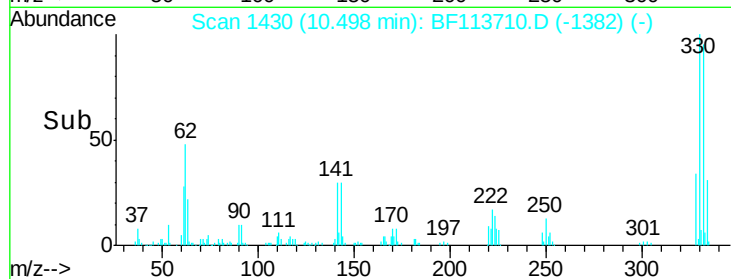
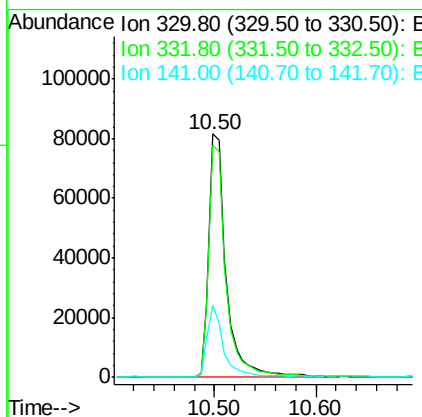
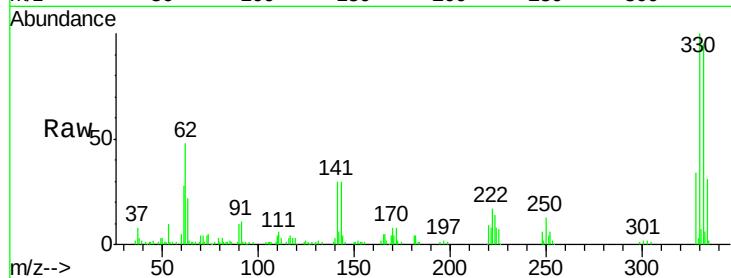




#42
 2,4,6-Tribromophenol
 Concen: 44.178 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

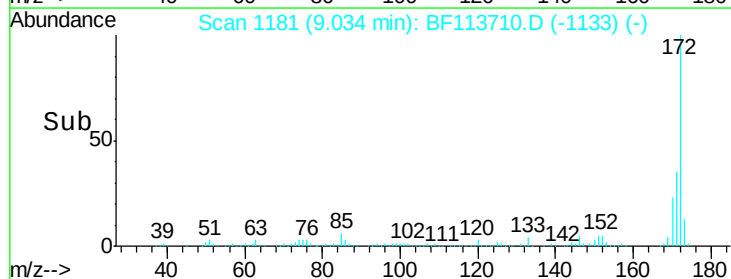
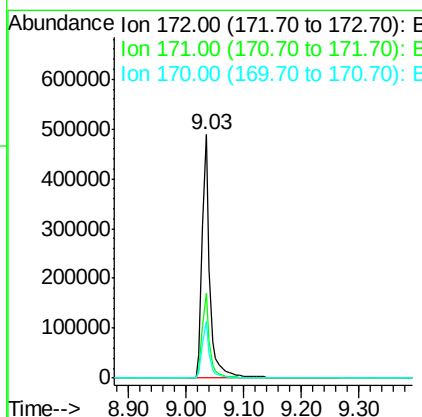
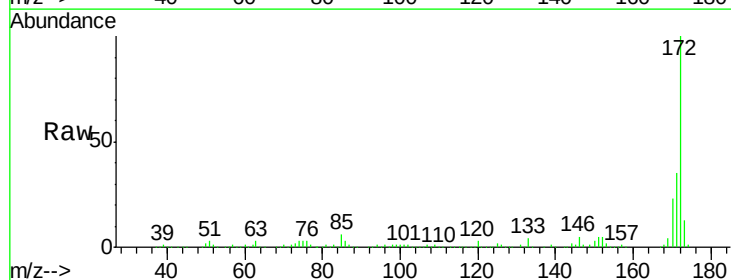
Instrument :
 BNA_F
 ClientSampled :

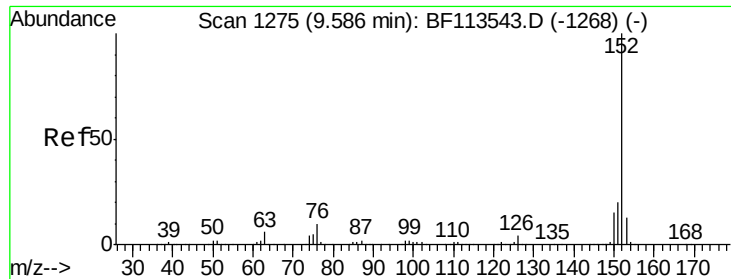
Tot Ion	330	Resp	97828
Ion Ratio	100		
Lower	77.8		
Upper	116.6		
332	94.4		
141	28.7		
	22.7		
	34.1		



#45
 2-Fluorobiphenyl
 Concen: 40.362 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113710.D
 Acq: 10 Apr 2019 21:50

Tgt Ion	172	Resp	462166
Ion Ratio	100		
Lower	29.0		
Upper	43.6		
171	34.6		
170	23.2		
	19.5		
	29.3		





#49

Acenaphthylene

Concen: 3.372 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

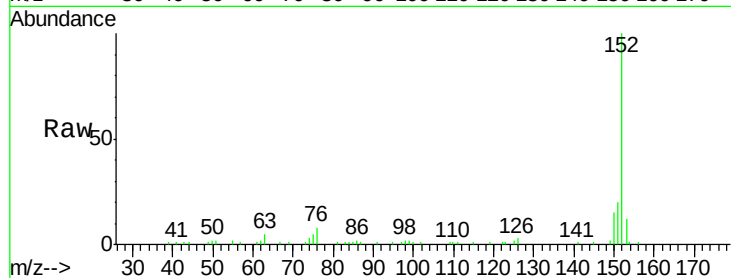
Tot Ion:152 Resp: 63158

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

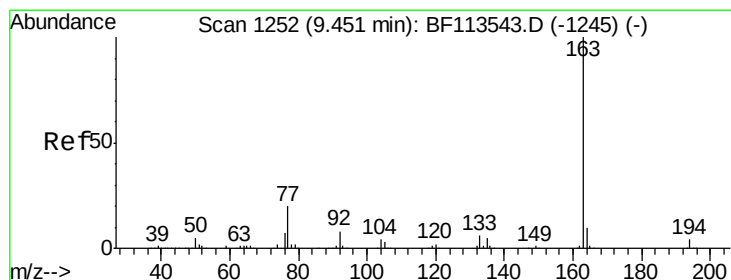
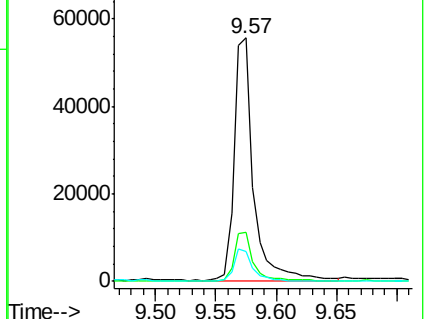
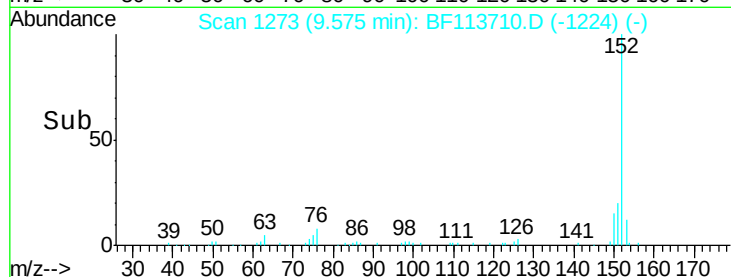
153 12.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.967 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

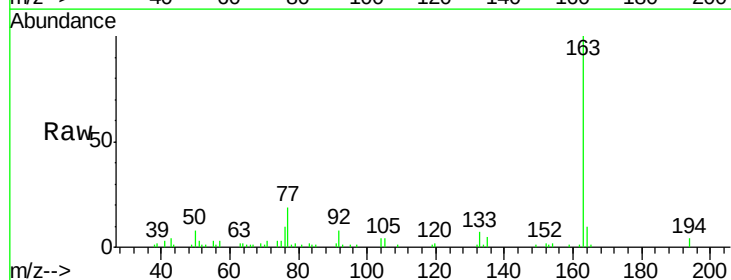
Tgt Ion:163 Resp: 40316

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

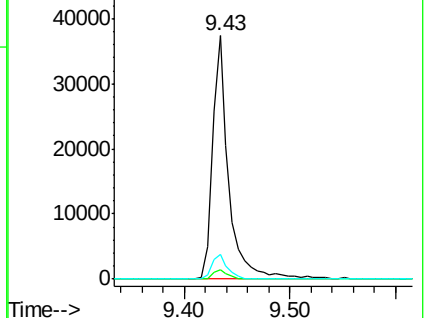
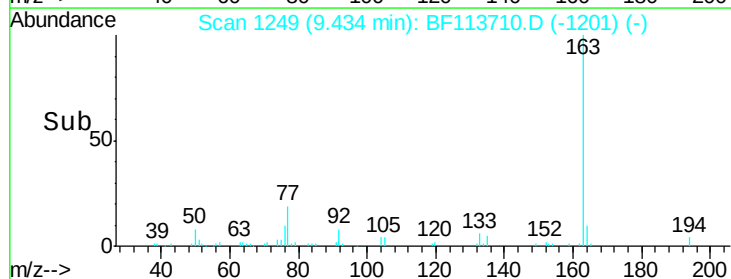
164 10.1 8.1 12.1

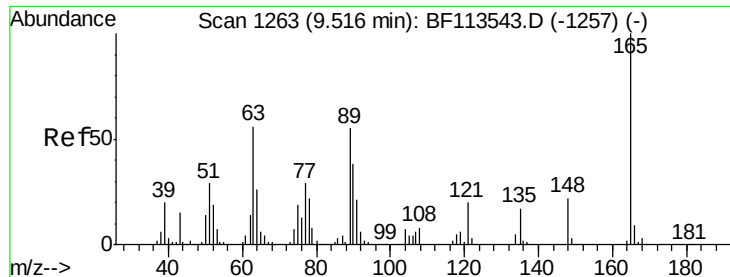


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.129 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

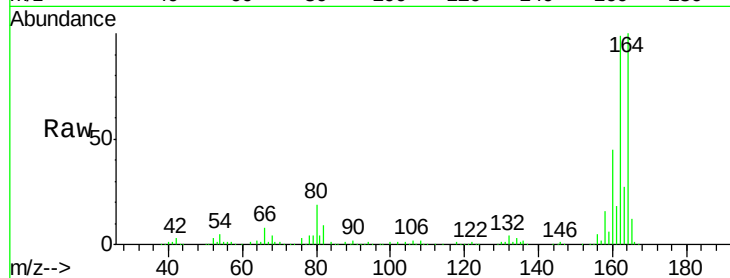
Tot Ion:165 Resp: 24350

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

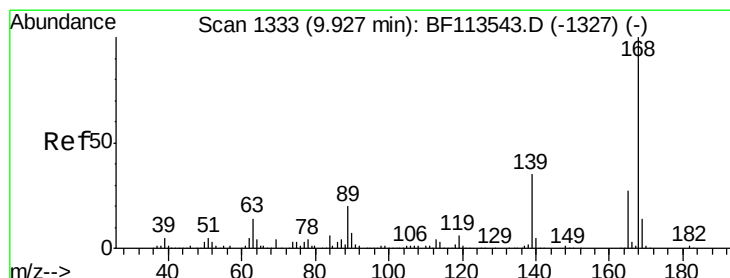
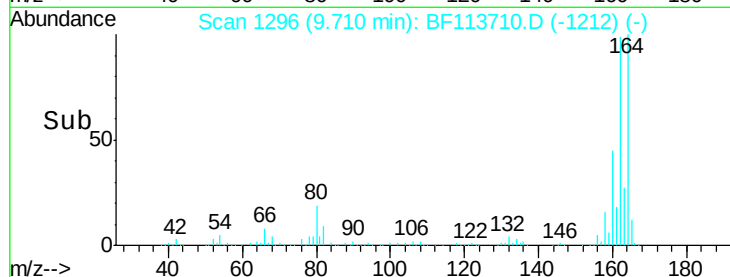
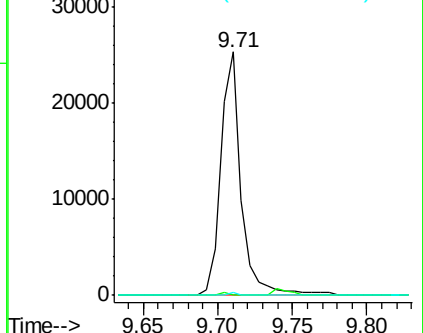
89 1.5 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 6.722 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Tgt Ion:165 Resp: 24351

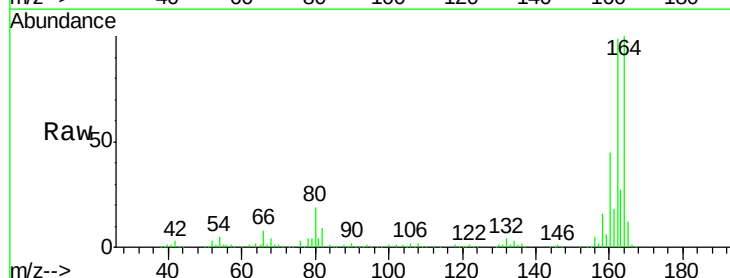
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 1.5 57.4 86.2#

182 0.0 2.0 3.0#

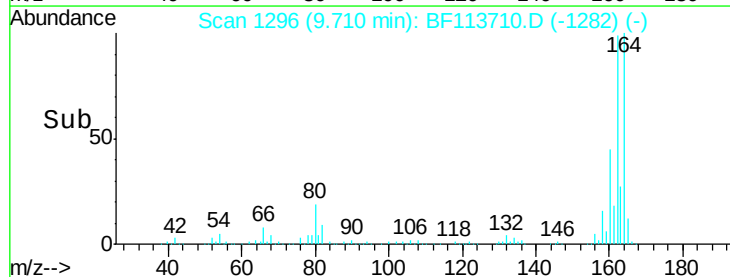
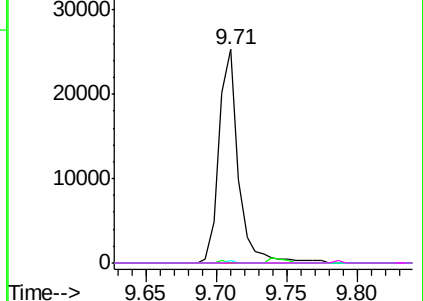


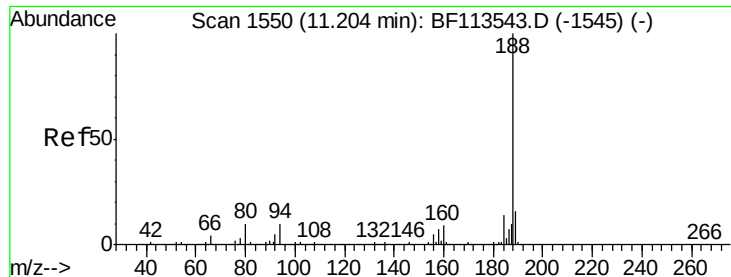
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1548

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampled :

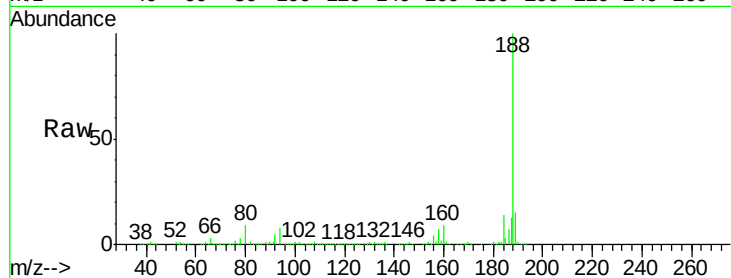
Tot Ion:188 Resp: 353592

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

80 8.8 7.7 11.5

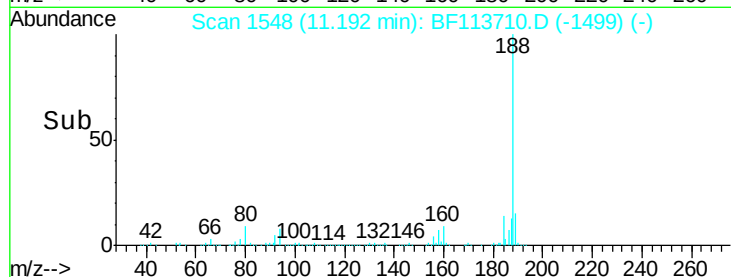


Abundance Ion 188.00 (187.70 to 188.70): E

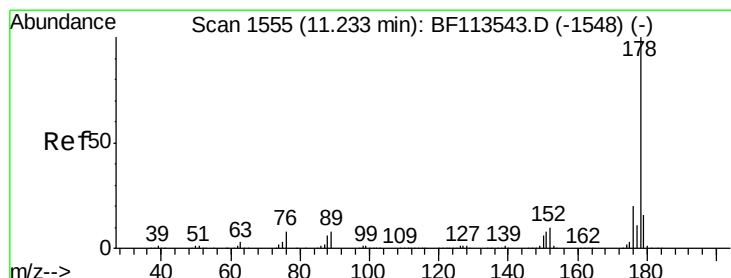
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#71

Phenanthrene

Concen: 10.405 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

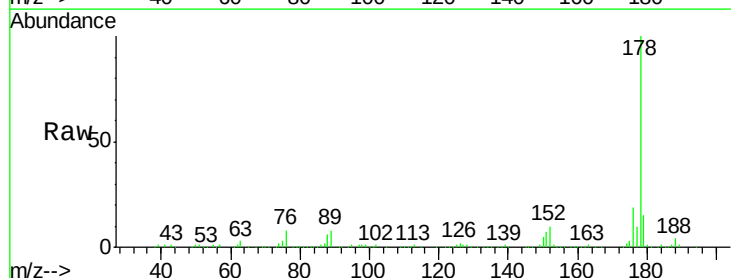
Tgt Ion:178 Resp: 182810

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.2

179 14.7 12.7 19.1

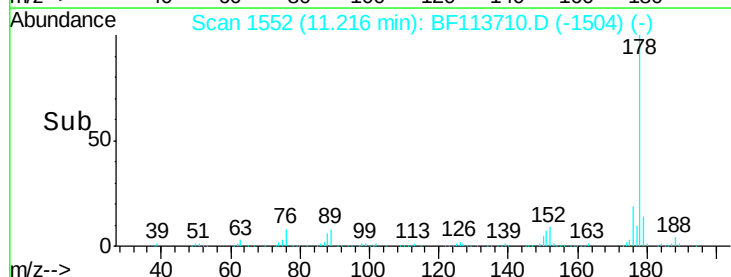


Abundance Ion 178.00 (177.70 to 178.70): E

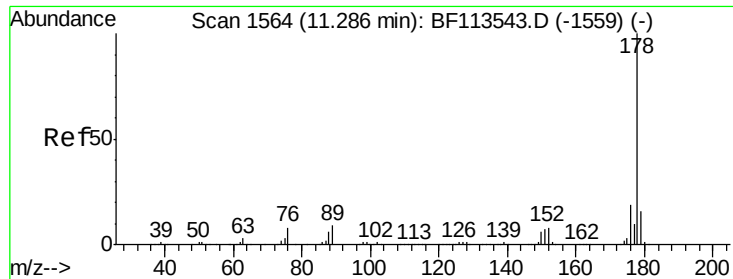
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#72

Anthracene

Concen: 5.222 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

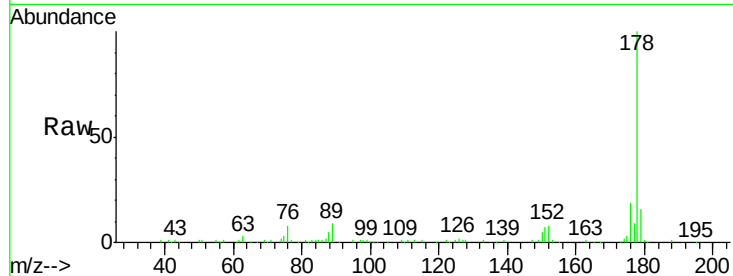
Tot Ion:178 Resp: 93349

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

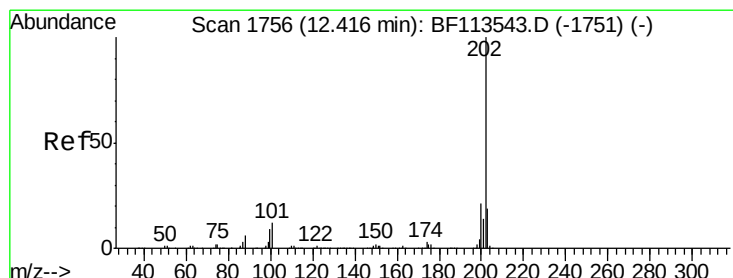
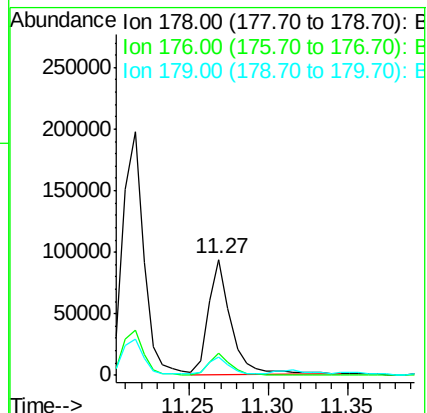
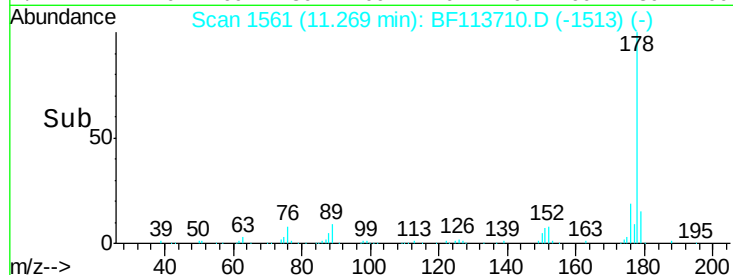
179 15.7 12.8 19.2



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: 46.629 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

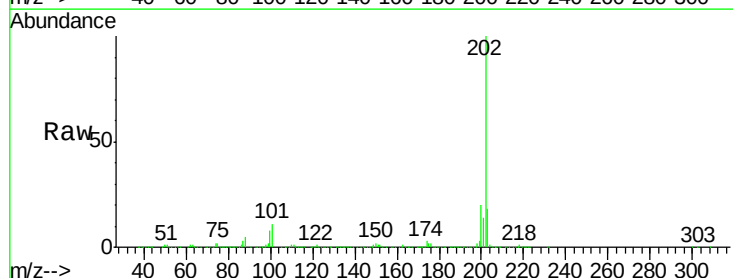
Tgt Ion:202 Resp: 877929

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

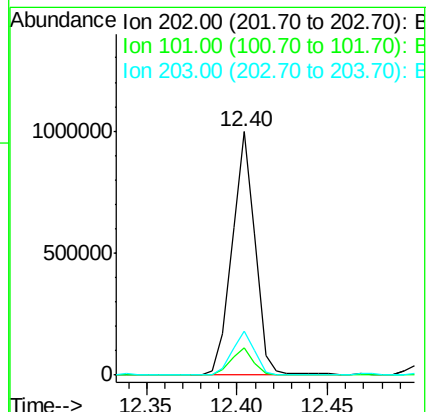
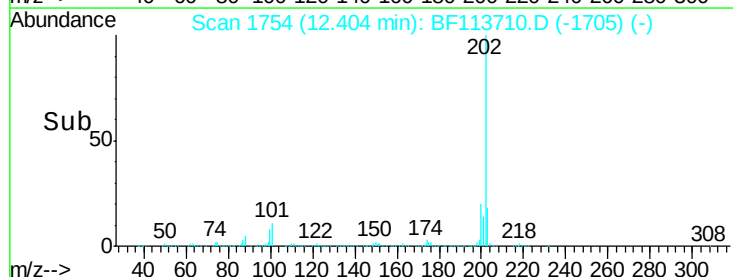
203 17.8 0.0 38.0

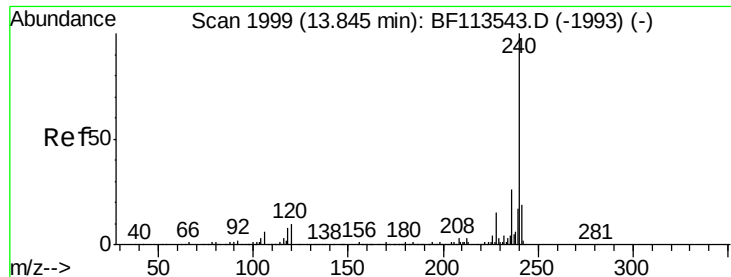


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

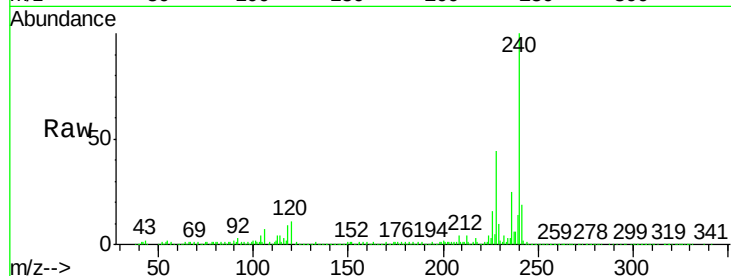
Tot Ion:240 Resp: 313342

Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

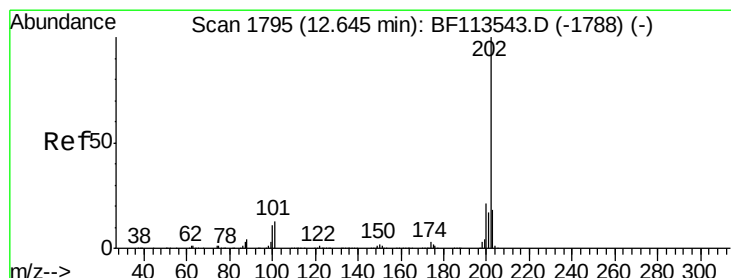
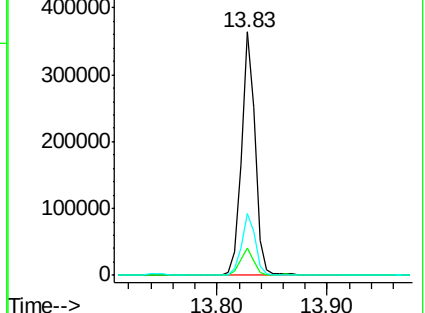
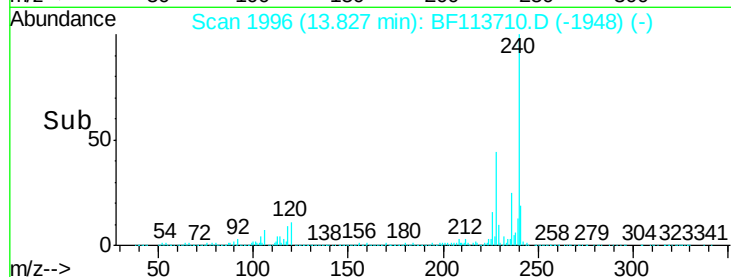
236 25.4 20.9 31.3



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: 35.859 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

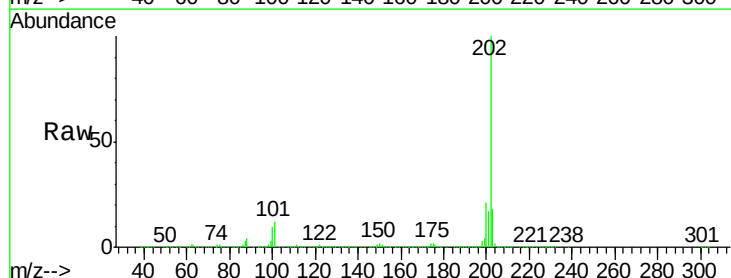
Tgt Ion:202 Resp: 854955

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

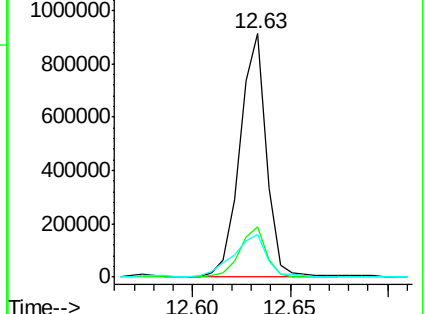
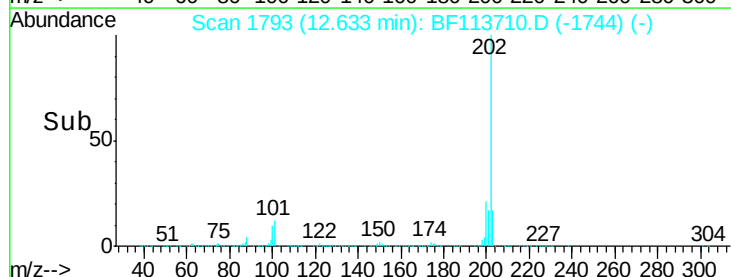
203 17.7 14.4 21.6

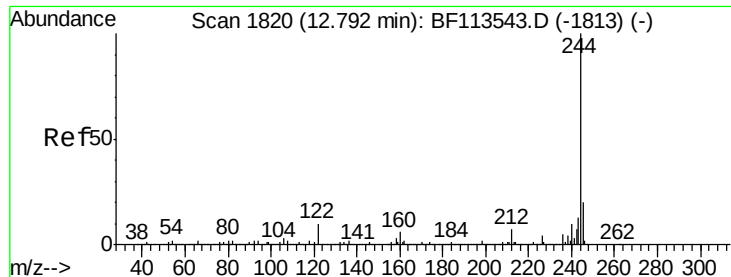


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 30.510 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

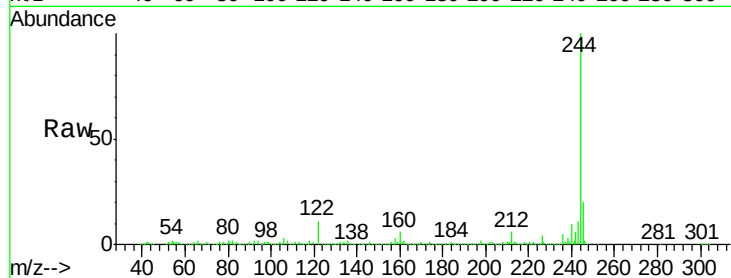
Tot Ion:244 Resp: 469551

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

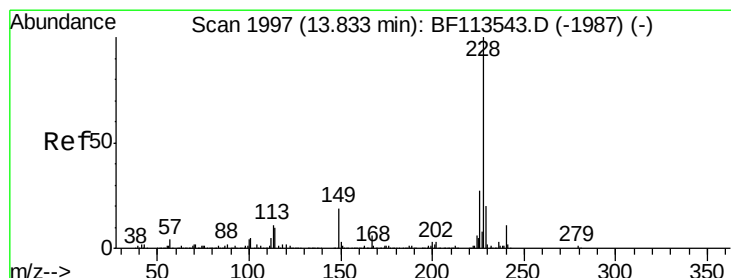
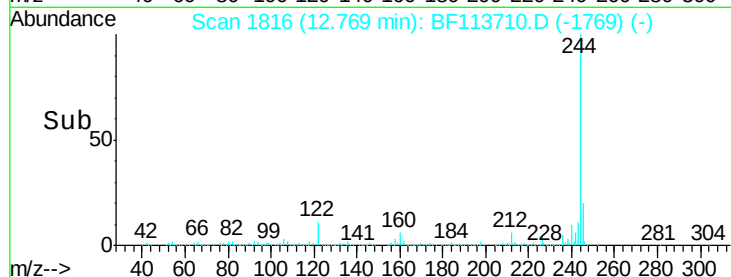
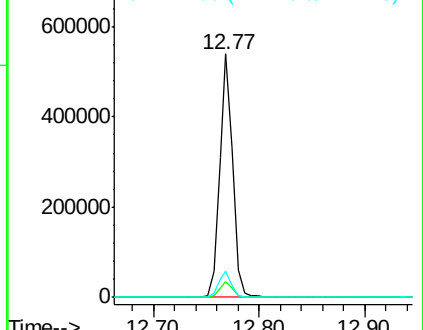
122 10.9 8.6 13.0



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



#81

Benzo(a)anthracene

Concen: 25.866 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

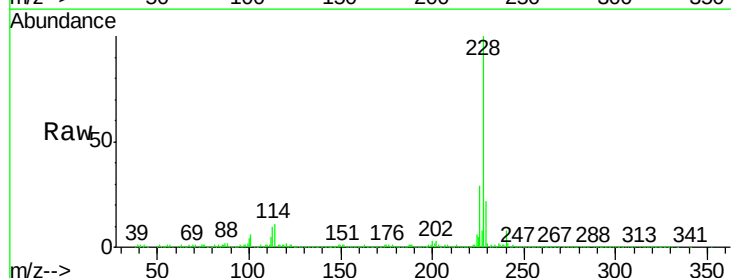
Tgt Ion:228 Resp: 467541

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

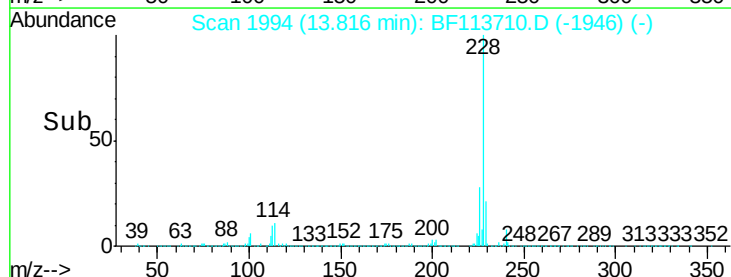
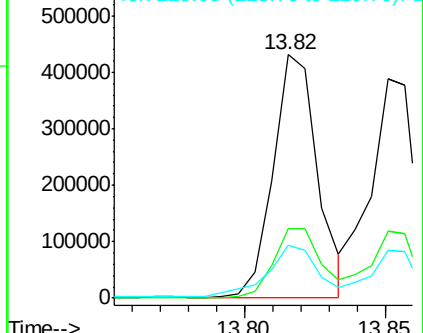
229 21.6 16.2 24.4

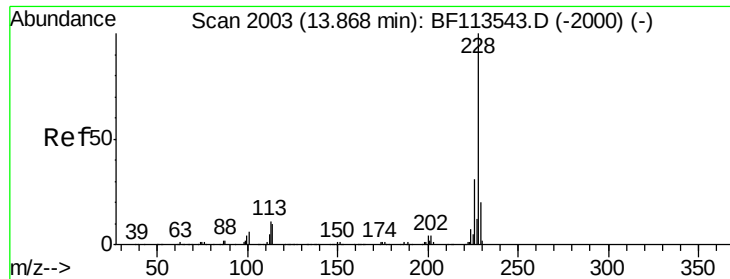


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 22.896 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

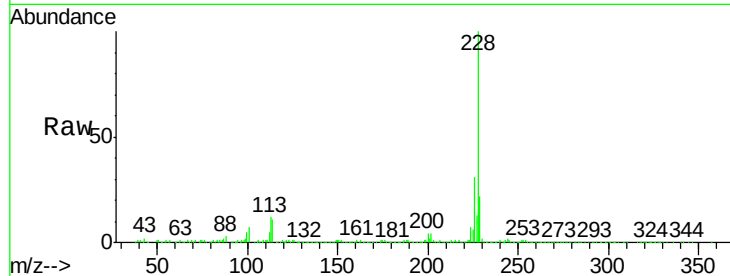
Tot Ion:228 Resp: 419537

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

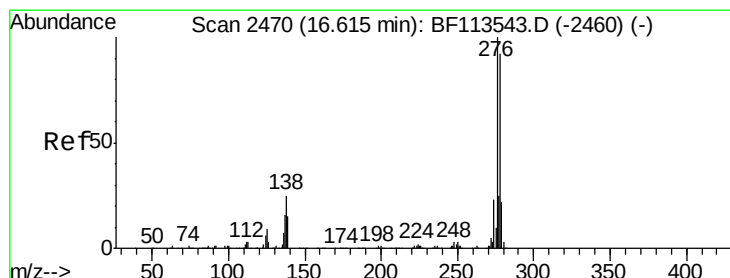
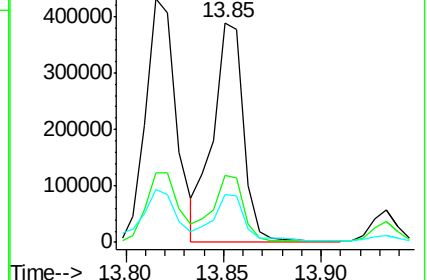
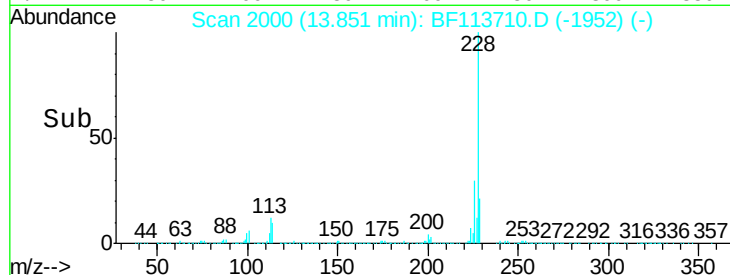
229 21.6 16.3 24.5



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.751 ng

RT: 16.60 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

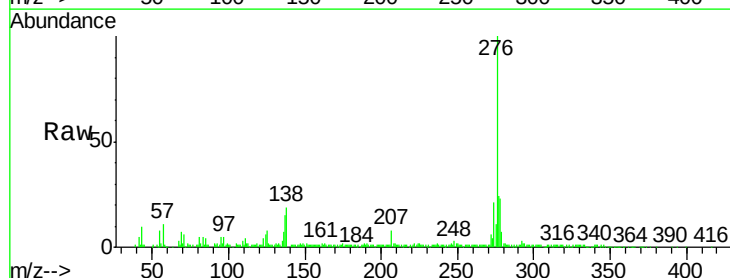
Tgt Ion:276 Resp: 181881

Ion Ratio Lower Upper

276 100

138 19.4 18.1 27.1

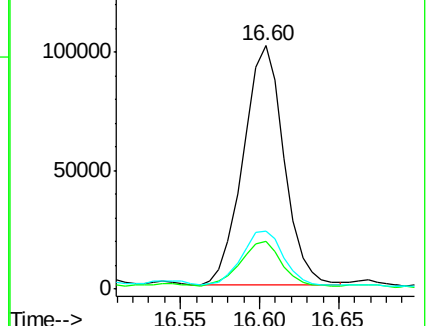
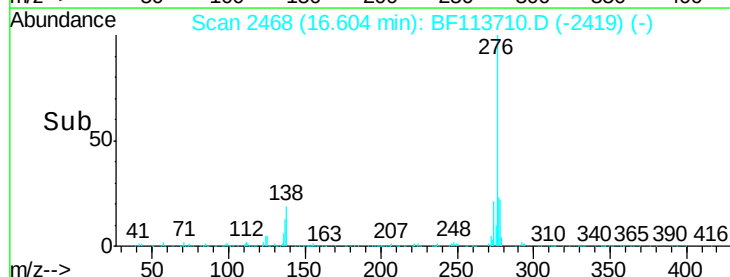
277 23.6 20.2 30.4

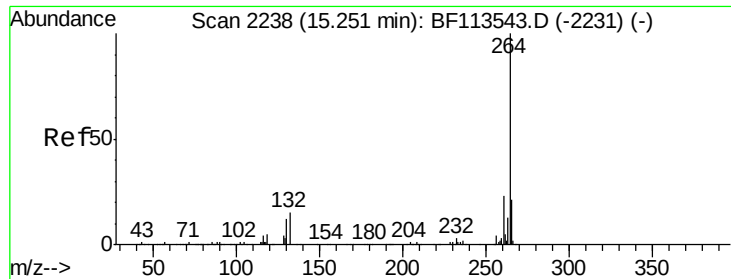


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

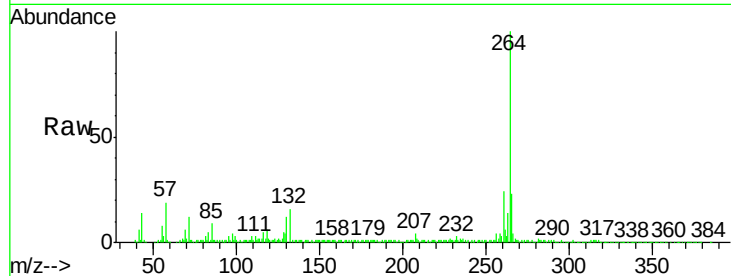
Tot Ion:264 Resp: 219587

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

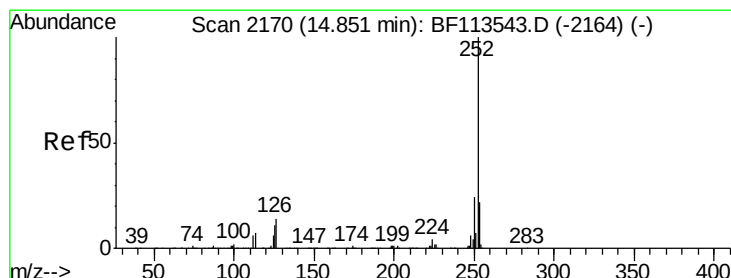
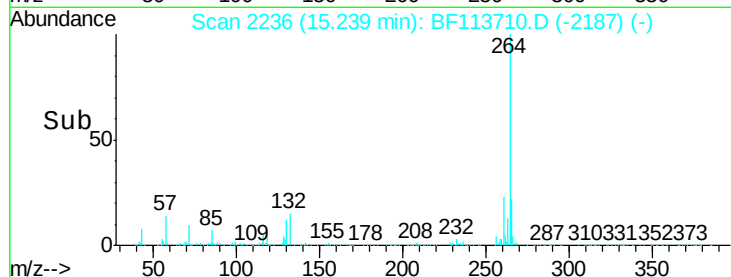
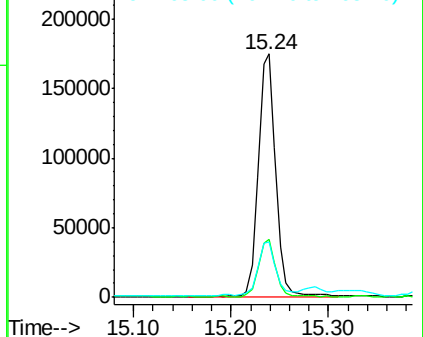
265 23.0 17.1 25.7



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



#88

Benzo(b)fluoranthene

Concen: 42.490 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113710.D

Acq: 10 Apr 2019 21:50

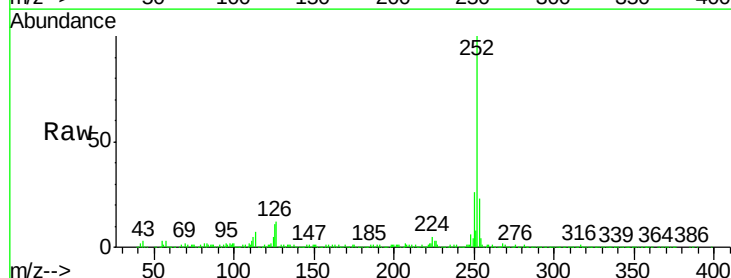
Tgt Ion:252 Resp: 571126

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

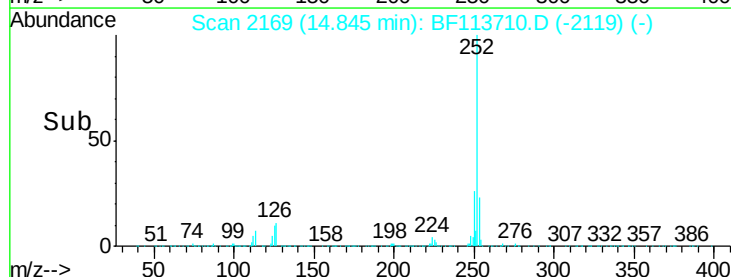
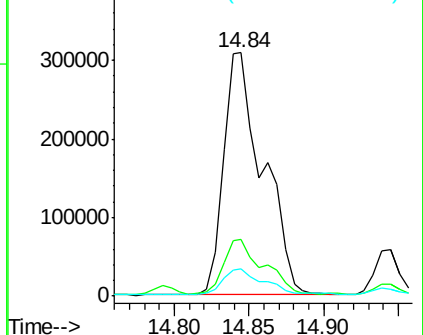
125 11.1 7.6 11.4

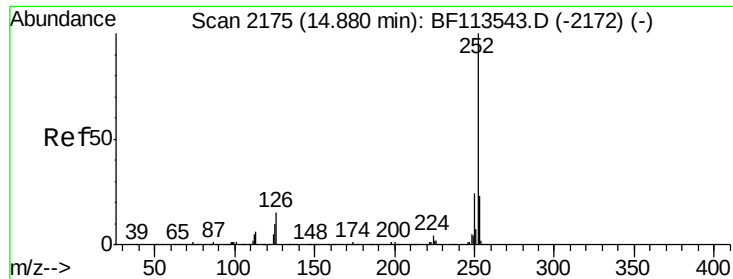


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

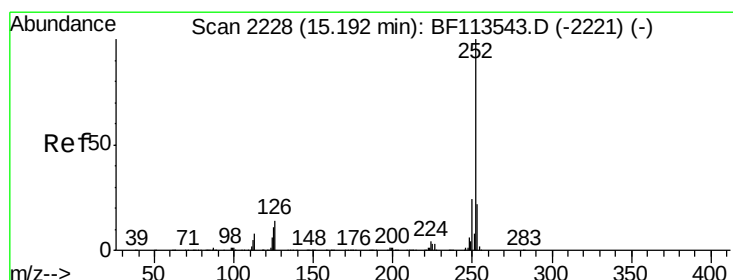
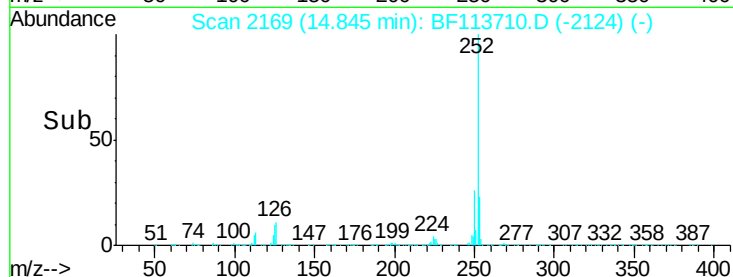
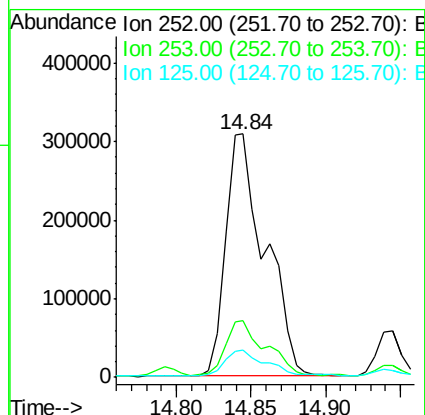
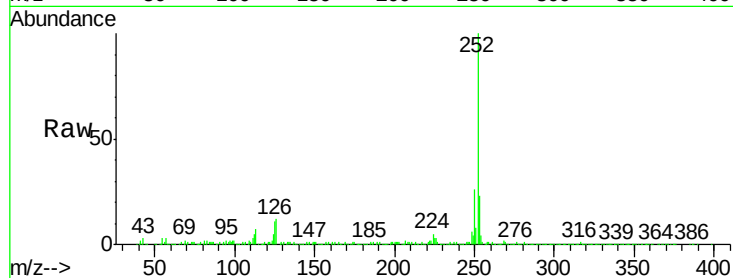




#89
Benzo(k)fluoranthene
Concen: 47.344 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

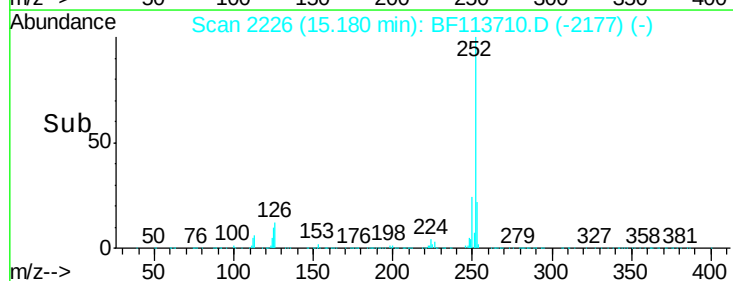
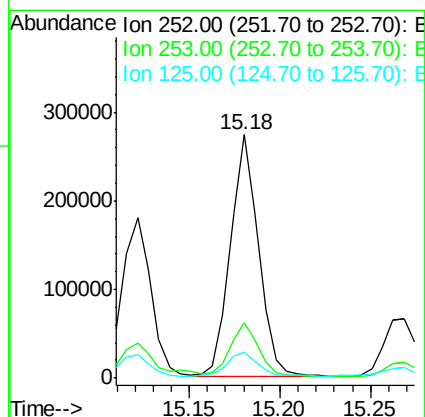
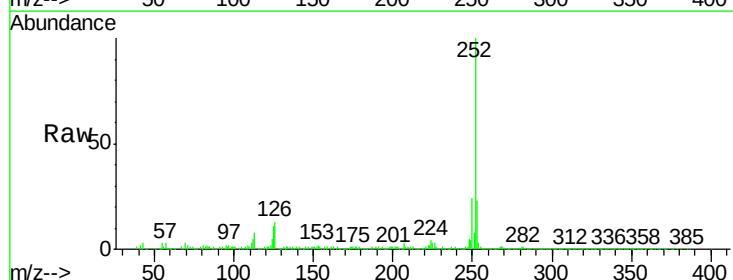
Instrument :
BNA_F
ClientSampleId :

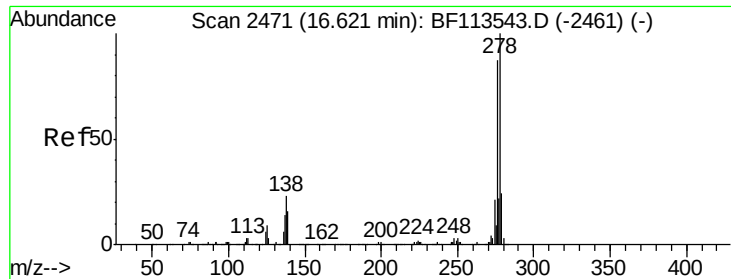
Tot Ion:252 Resp: 571126
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.1 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 24.704 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion:252 Resp: 295072
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 10.9 8.8 13.2

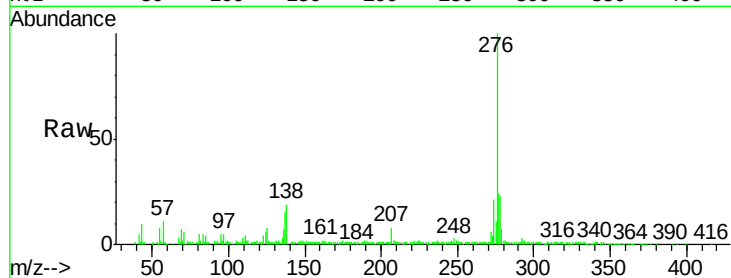




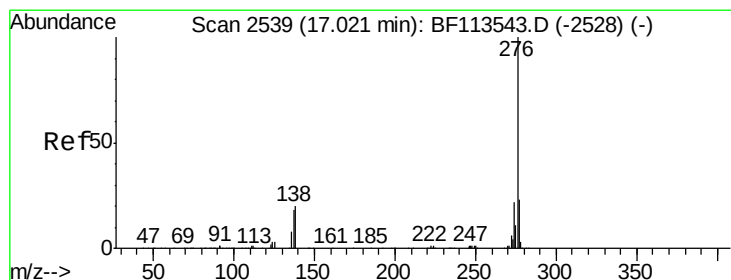
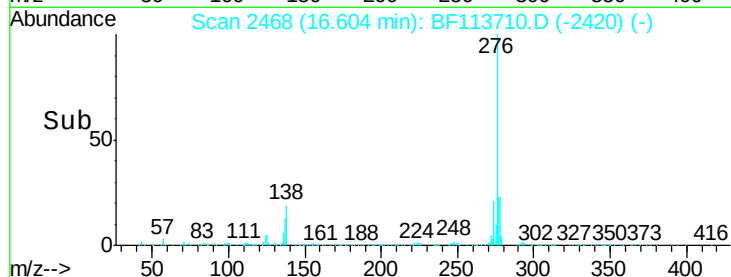
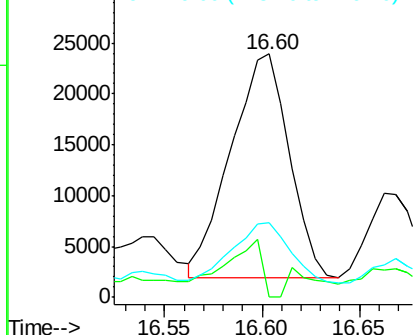
#91
Dibenzo(a,h)anthracene
Concen: 4.079 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 45560
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 30.5 19.0 28.6#

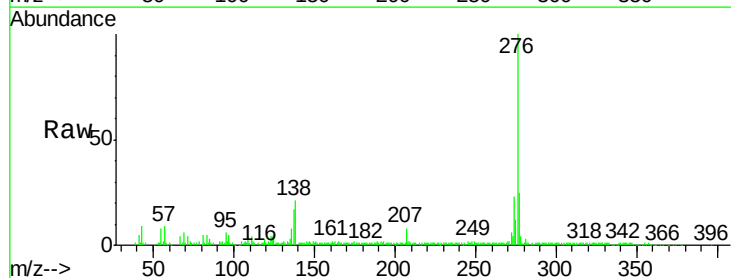


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 15.721 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF113710.D
Acq: 10 Apr 2019 21:50

Tgt Ion:276 Resp: 179231
Ion Ratio Lower Upper
276 100
277 25.0 18.8 28.2
138 21.3 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

