

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114683.D
 Acq On : 31 May 2019 1:39
 Operator : HP/JU
 Sample : K3002-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:48:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	362626	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1320982	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	580302	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1061555	20.00	ng	0.00
76) Chrysene-d12	13.82	240	726578	20.00	ng	0.00
87) Perylene-d12	15.21	264	605087	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	519288	25.14	ng	0.00
7) Phenol-d6	6.32	99	647938	26.03	ng	0.00
23) Nitrobenzene-d5	7.25	82	353222	16.68	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	129866	23.49	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	737595	9.70	ng	0.00
79) Terphenyl-d14	12.77	244	736550	19.06	ng	0.00

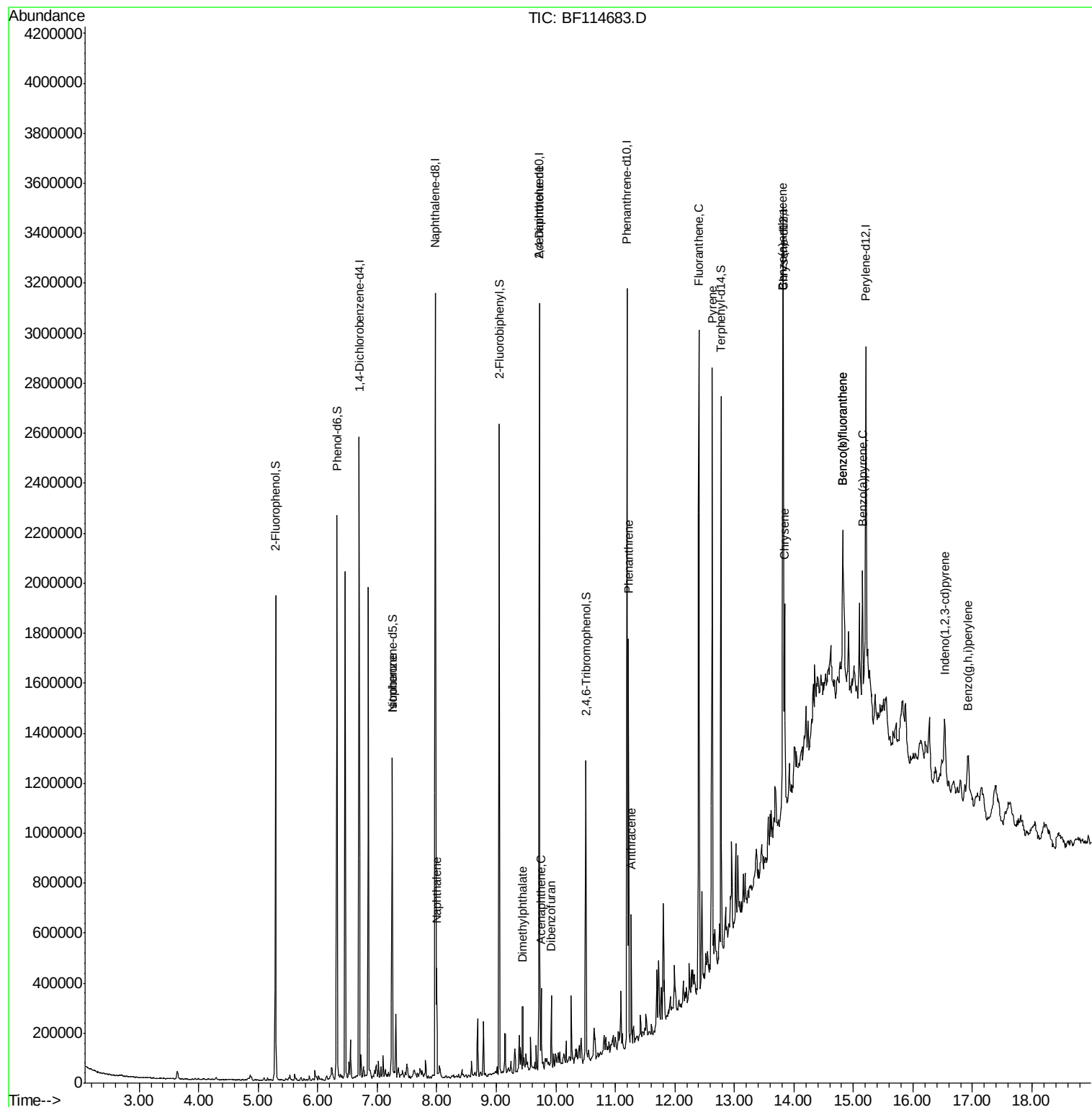
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	2183	Below Cal	#	3
25) Isophorone	7.25	82	346440	8.153	ng	63
31) Naphthalene	8.00	128	165441	2.719	ng	96
50) Dimethylphthalate	9.45	163	97355	2.408	ng	99
52) Acenaphthene	9.76	154	70193	2.097	ng	100
55) Dibenzofuran	9.93	168	100064	2.100	ng	93
57) 2,4-Dinitrotoluene	9.72	165	78898	6.543	ng	23
58) Fluorene	10.26	166	67805	Below Cal		98
61) 4-Chlorophenyl-phenylether	10.29	204	106	Below Cal	#	1
69) Atrazine	10.99	200	117	Below Cal	#	1
71) Phenanthrene	11.22	178	560634	10.353	ng	96
72) Anthracene	11.27	178	182620	3.332	ng	97
74) Di-n-butylphthalate	11.77	149	3880	Below Cal	#	33
75) Fluoranthene	12.40	202	993250	17.714	ng	96
78) Pyrene	12.63	202	913024	14.855	ng	97
81) Benzo(a)anthracene	13.81	228	333832	5.979	ng	99
83) Chrysene	13.84	228	291595	5.466	ng	95
86) Indeno(1,2,3-cd)pyrene	16.53	276	116889	2.188	ng	95
88) Benzo(b)fluoranthene	14.82	252	402944	10.573	ng	94
89) Benzo(k)fluoranthene	14.82	252	402944	12.164	ng	94
90) Benzo(a)pyrene	15.15	252	209501	6.258	ng	92
92) Benzo(g,h,i)perylene	16.93	276	113143	3.940	ng	98

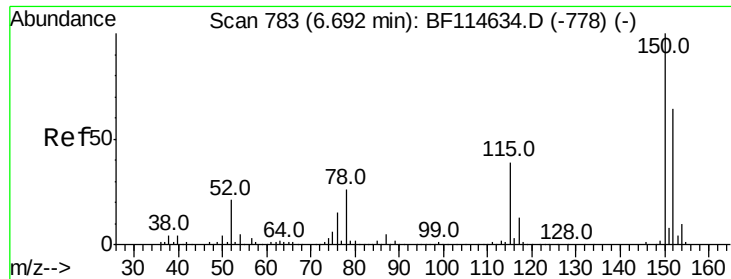
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114683.D
Acq On : 31 May 2019 1:39
Operator : HP/JU
Sample : K3002-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 31 05:48:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration



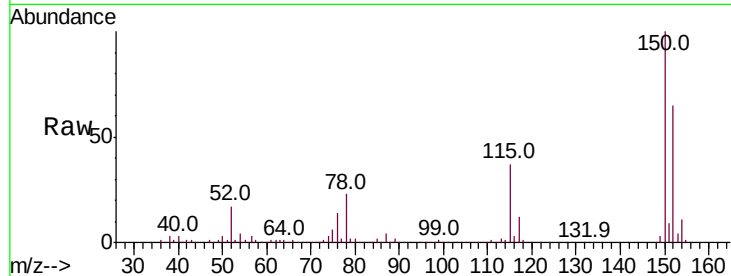


#1

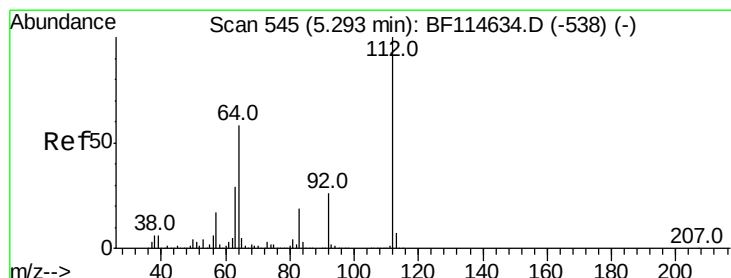
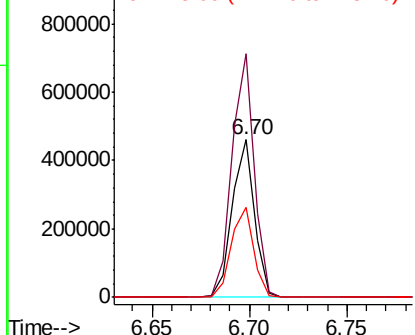
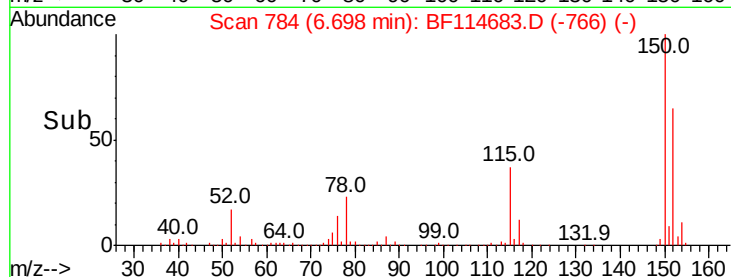
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 362626
Ion Ratio Lower Upper
152 100
150 154.8 124.4 186.6
115 56.9 48.7 73.1



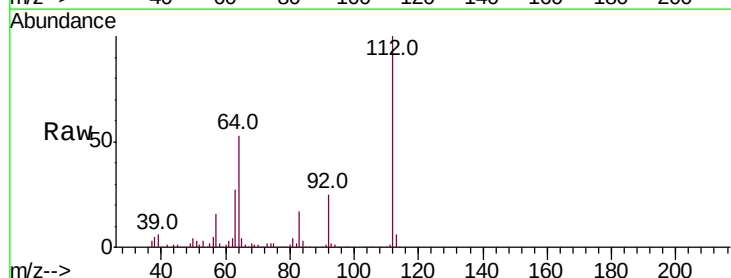
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



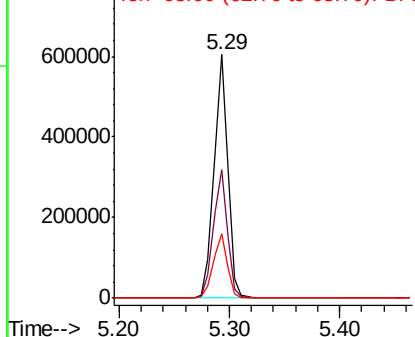
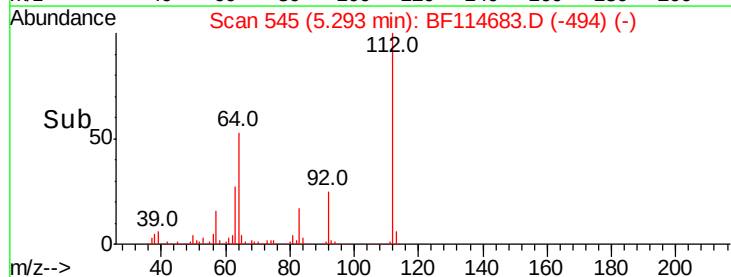
#5

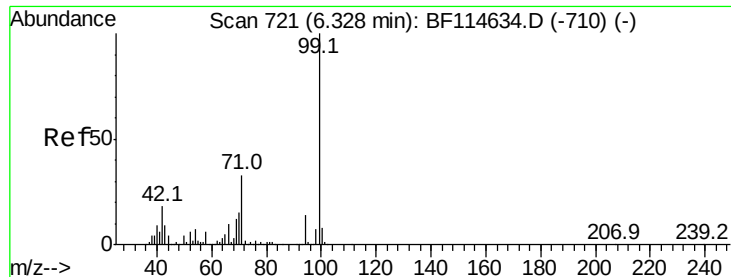
2-Fluorophenol
Concen: 25.142 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:112 Resp: 519288
Ion Ratio Lower Upper
112 100
64 52.8 46.1 69.1
63 26.5 23.4 35.2



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: 26.033 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampled :

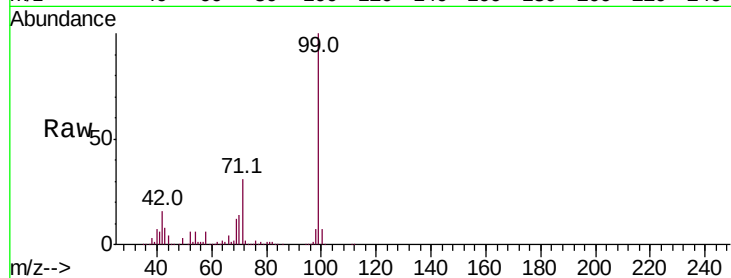
Tot Ion: 99 Resp: 647938

Ion Ratio Lower Upper

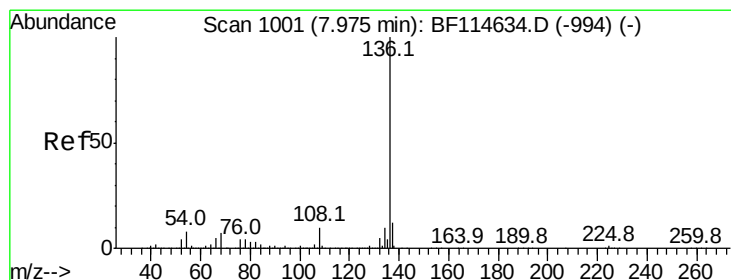
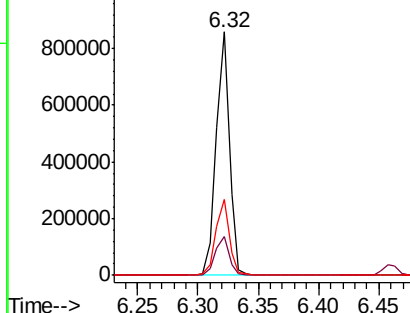
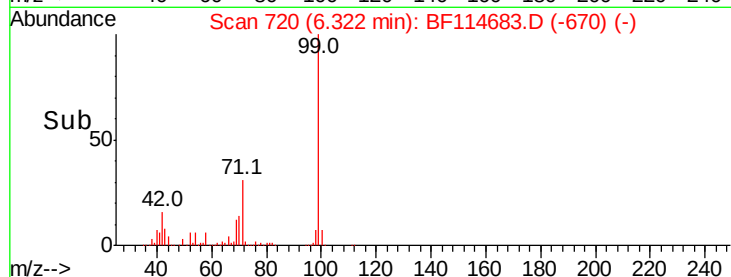
99 100

42 16.0 14.7 22.1

71 31.2 26.6 40.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Tgt Ion: 136 Resp: 1320982

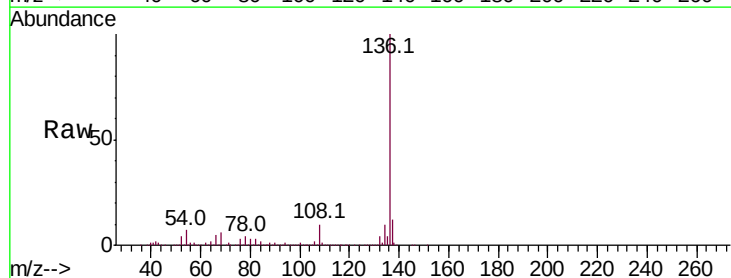
Ion Ratio Lower Upper

136 100

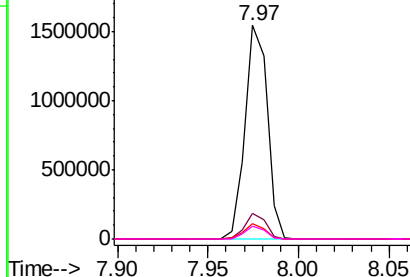
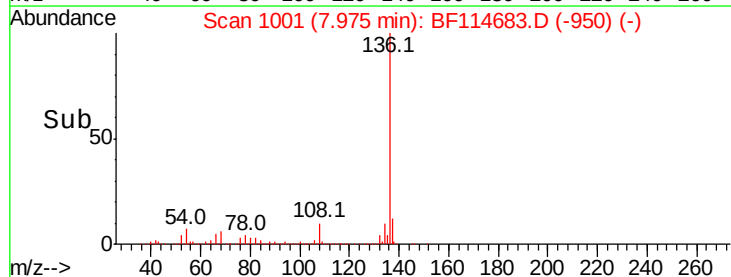
137 11.8 9.3 13.9

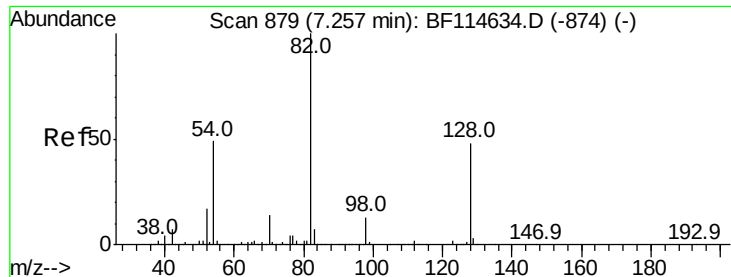
54 7.3 6.3 9.5

68 6.3 5.4 8.0



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 16.682 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampled :

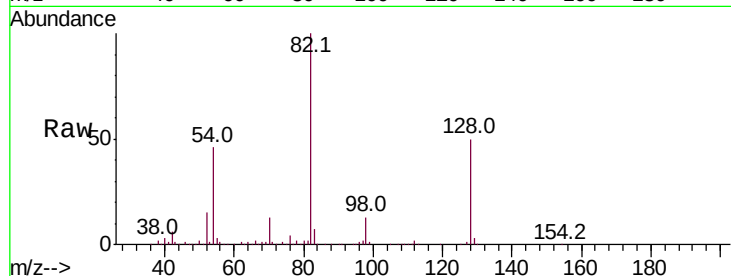
Tot Ion: 82 Resp: 353222

Ion Ratio Lower Upper

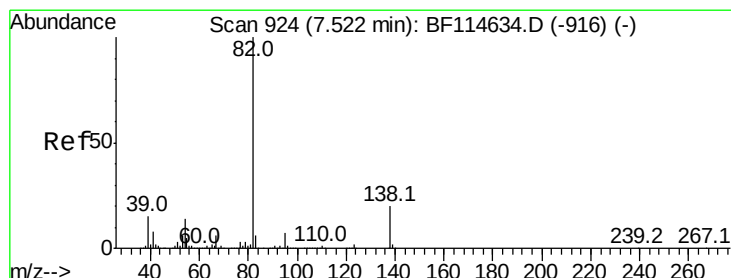
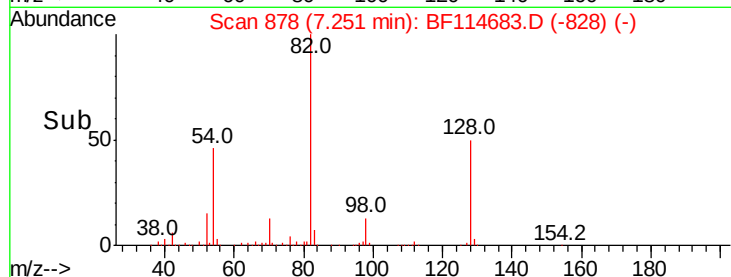
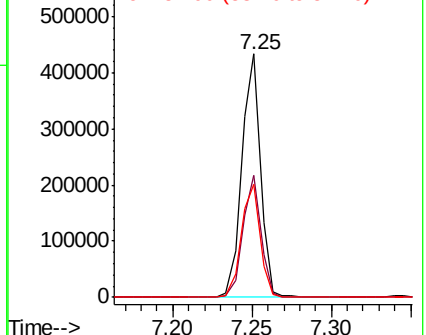
82 100

128 49.9 38.5 57.7

54 46.4 39.1 58.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 8.153 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

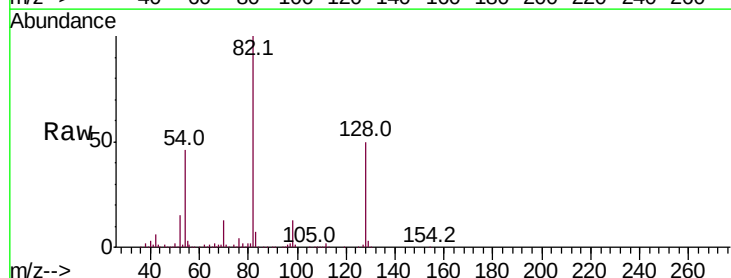
Tgt Ion: 82 Resp: 346440

Ion Ratio Lower Upper

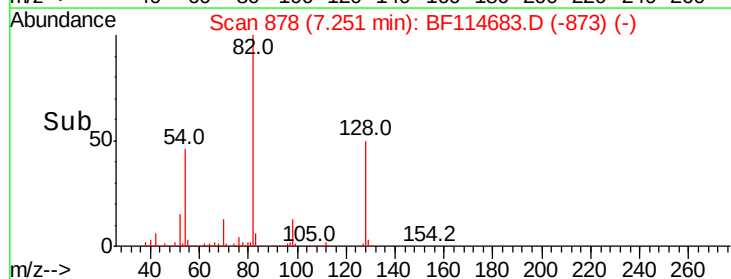
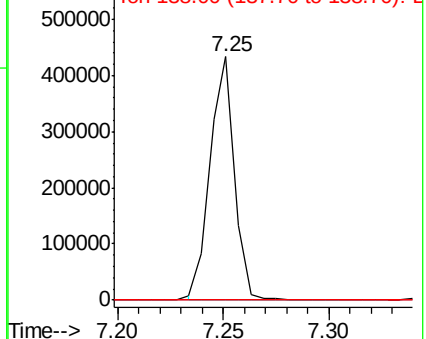
82 100

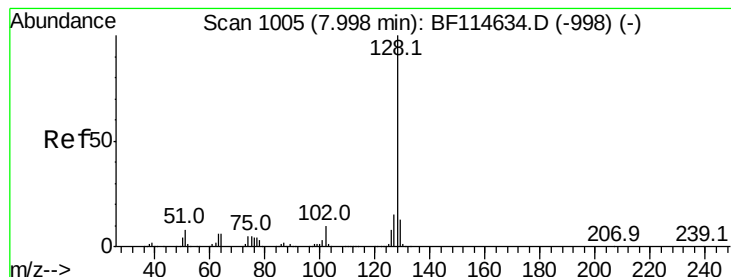
95 0.2 5.6 8.4#

138 0.0 15.9 23.9#



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





#31

Naphthalene

Concen: 2.719 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampleId :

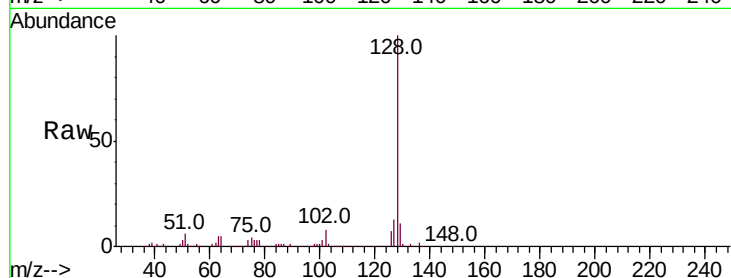
Tot Ion:128 Resp: 165441

Ion Ratio Lower Upper

128 100

129 11.1 10.2 15.2

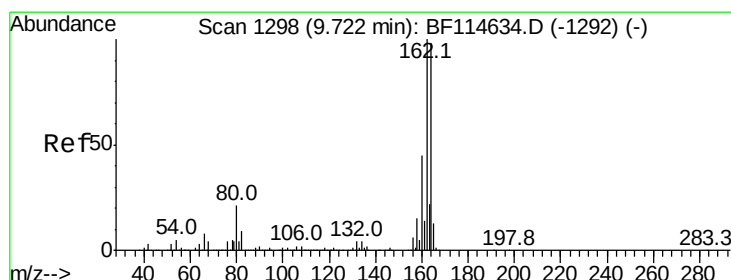
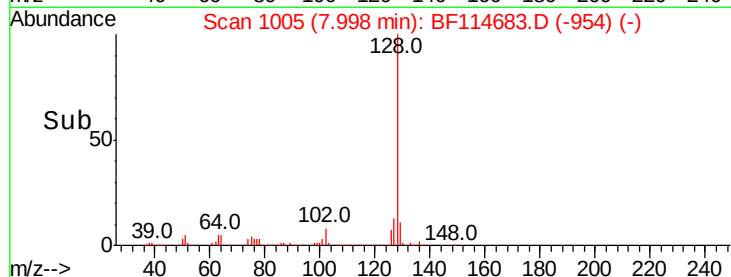
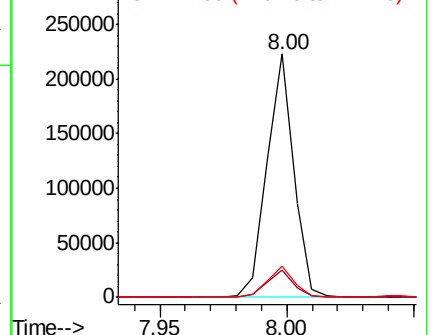
127 13.0 11.9 17.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

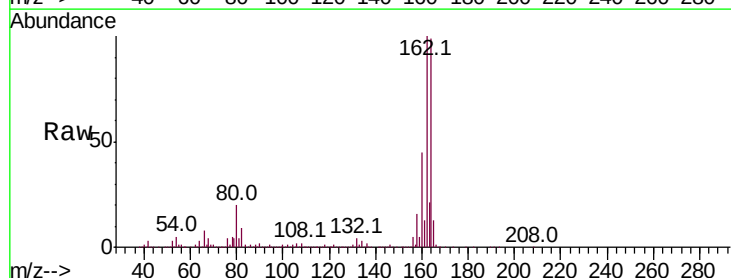
Tgt Ion:164 Resp: 580302

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.2

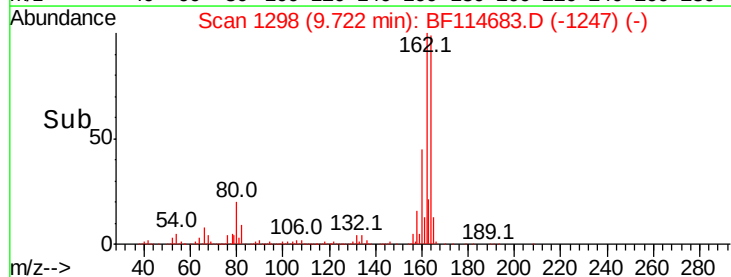
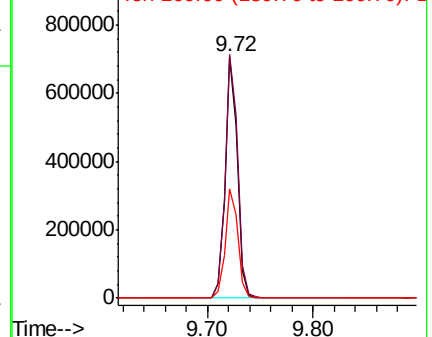
160 45.3 36.6 54.8

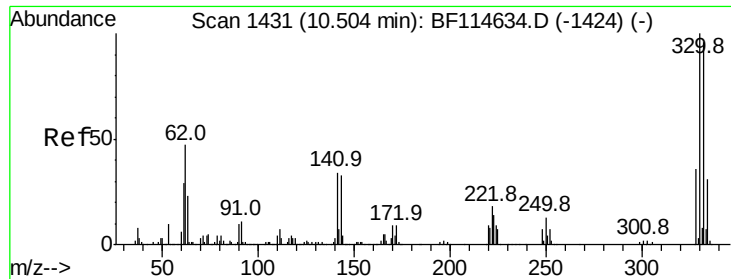


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

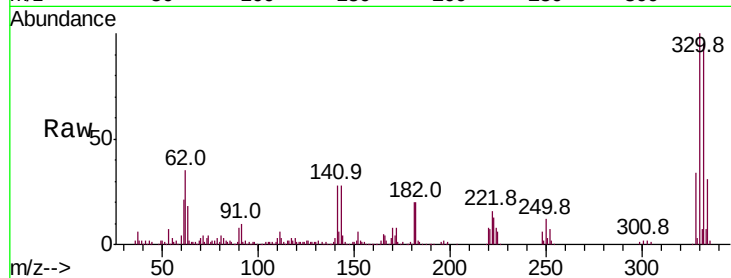




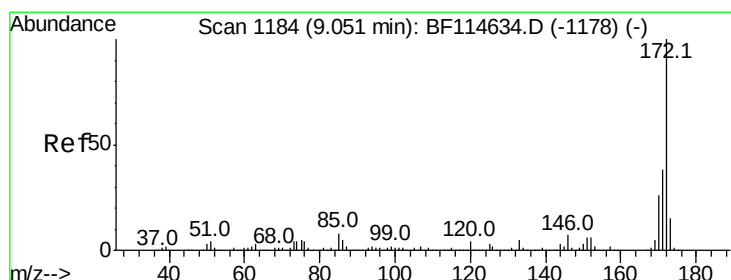
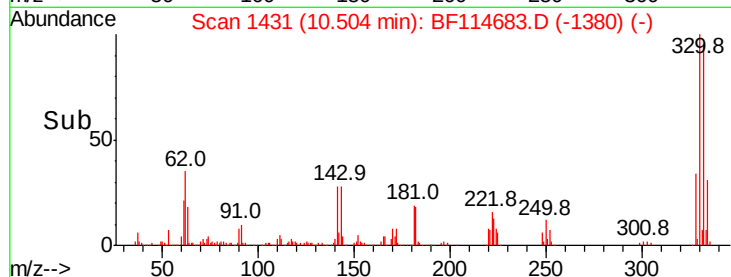
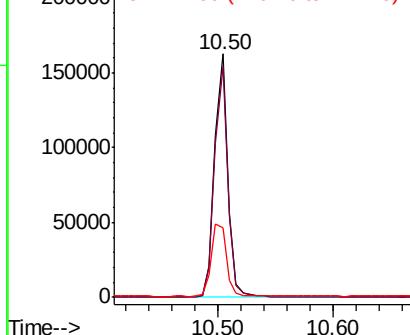
#42
 2,4,6-Tribromophenol
 Concen: 23.487 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114683.D
 Acq: 31 May 2019 1:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.8	113.8
141	34.1	27.8	41.8

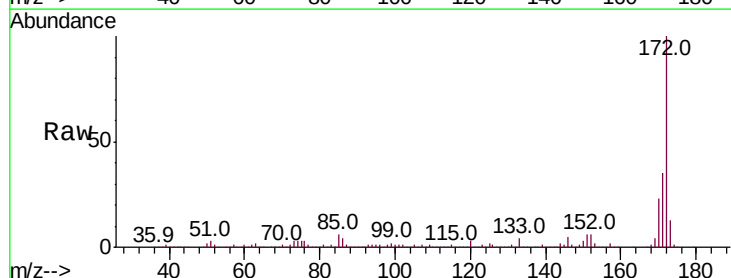


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

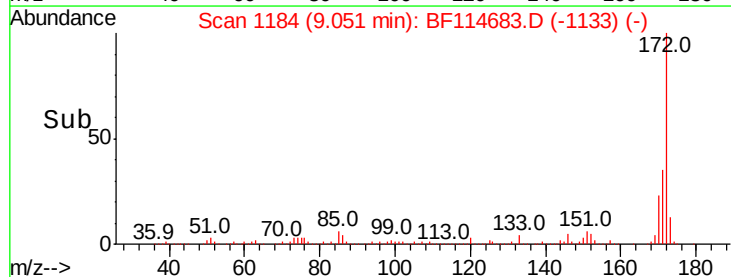
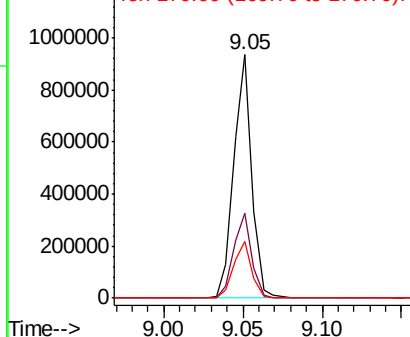


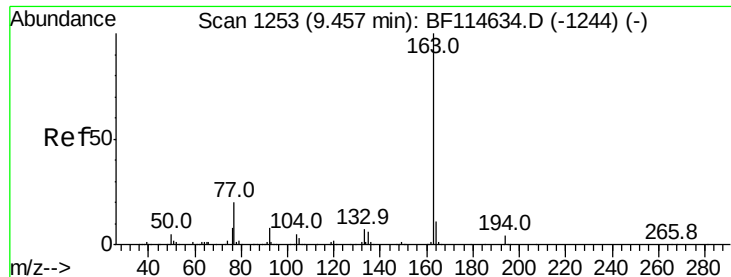
#45
 2-Fluorobiphenyl
 Concen: 9.701 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114683.D
 Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	45.8
170	23.1	20.7	31.1



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: 2.408 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampleId :

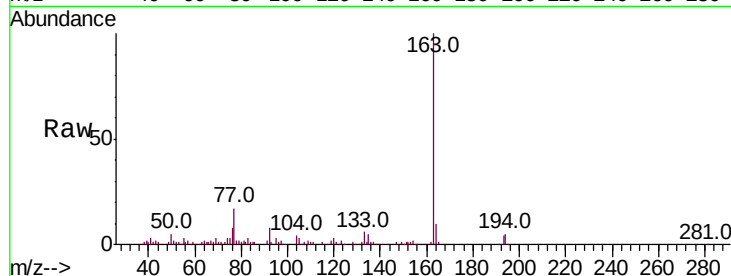
Tot Ion:163 Resp: 97355

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

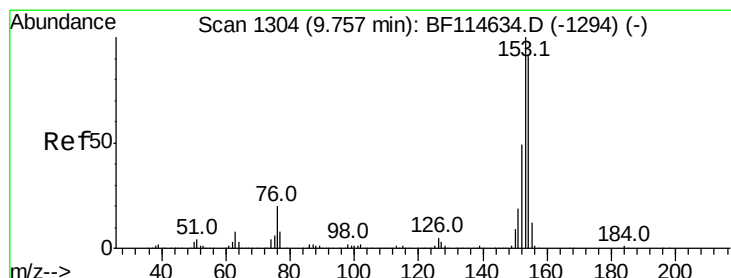
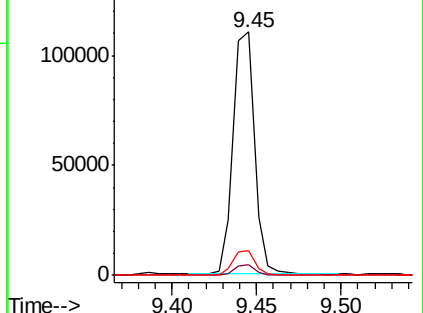
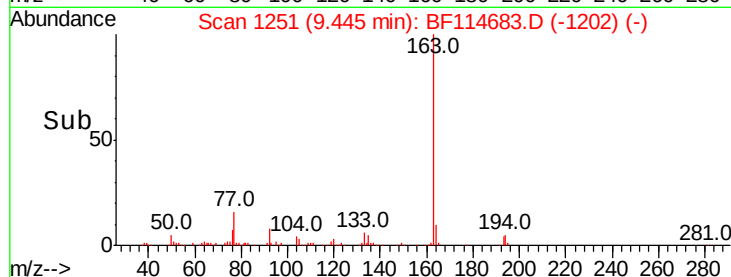
164 10.3 8.6 13.0



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



#52

Acenaphthene

Concen: 2.097 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

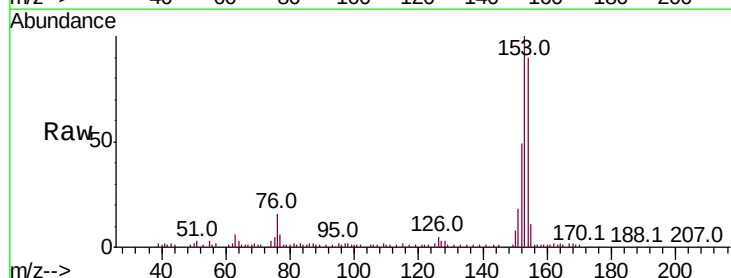
Tgt Ion:154 Resp: 70193

Ion Ratio Lower Upper

154 100

153 111.1 88.4 132.6

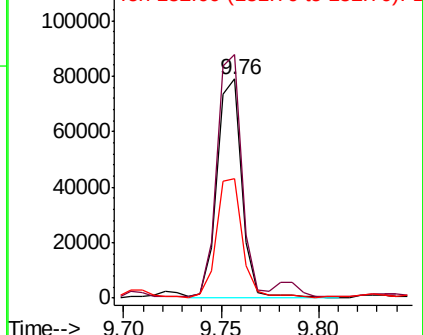
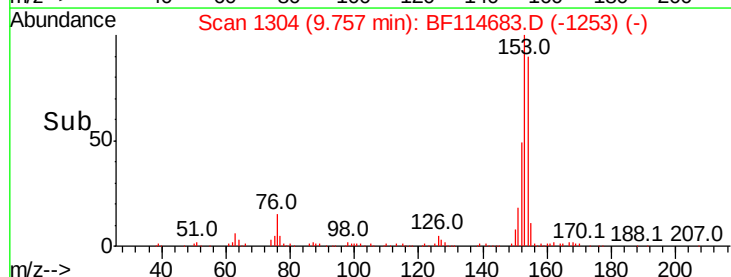
152 54.4 43.4 65.0

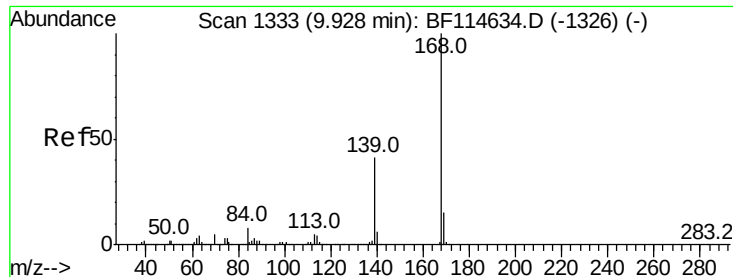


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

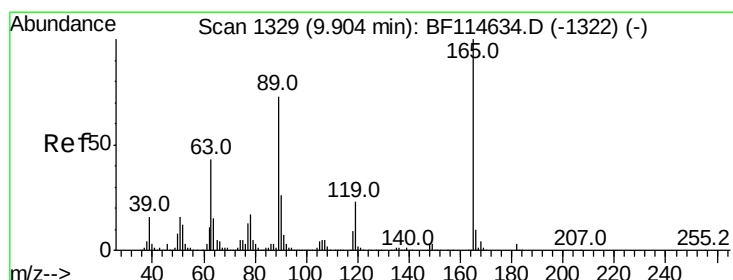
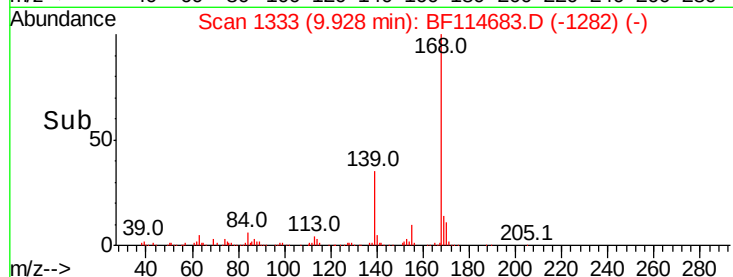
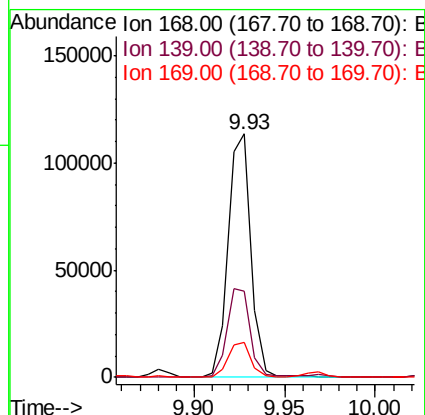
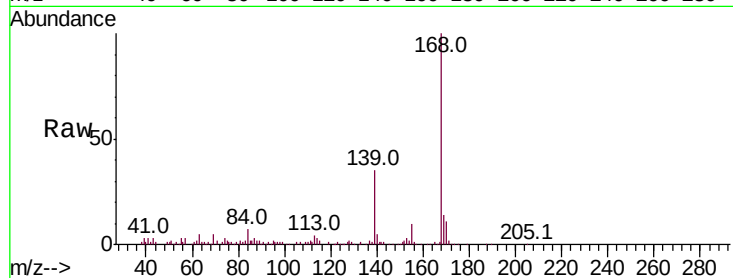




#55
Dibenzenofuran
Concen: 2.100 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

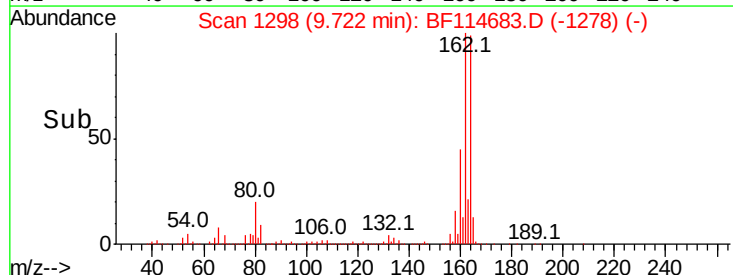
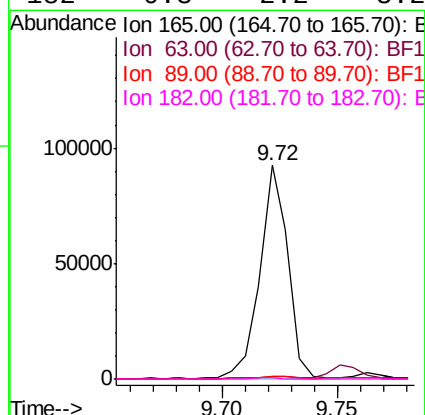
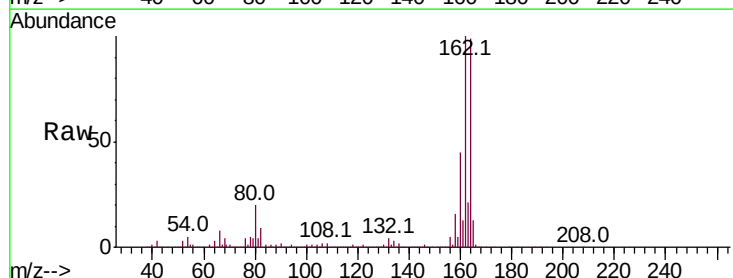
Instrument :
BNA_F
ClientSampleId :

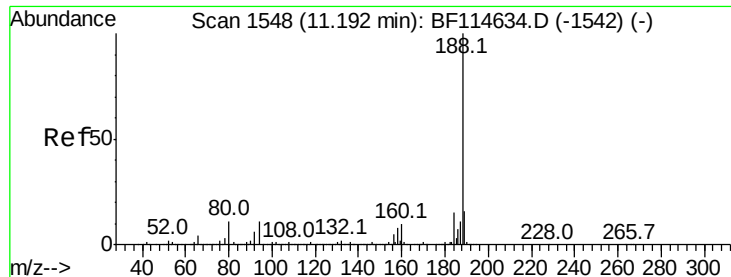
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.3	32.6	48.8
169	14.3	11.8	17.8



#57
2,4-Dinitrotoluene
Concen: 6.543 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.18 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.3	58.5	87.7#
182	0.3	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampleId :

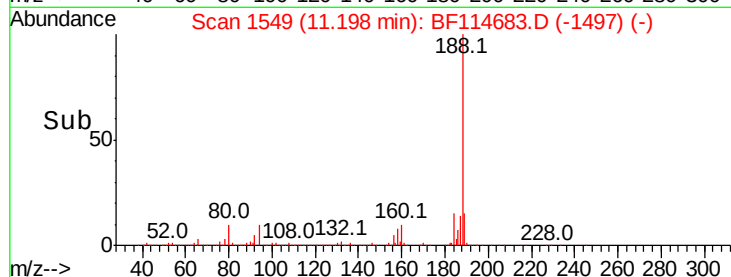
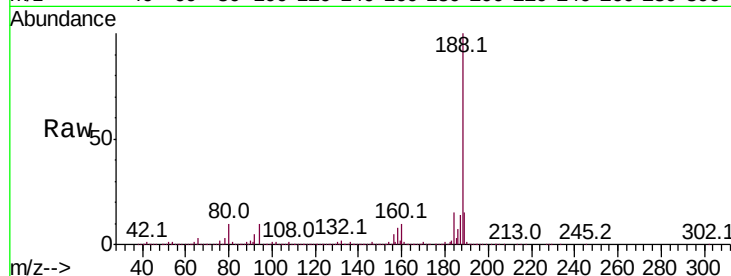
Tot Ion:188 Resp: 1061555

Ion Ratio Lower Upper

188 100

94 9.6 8.6 13.0

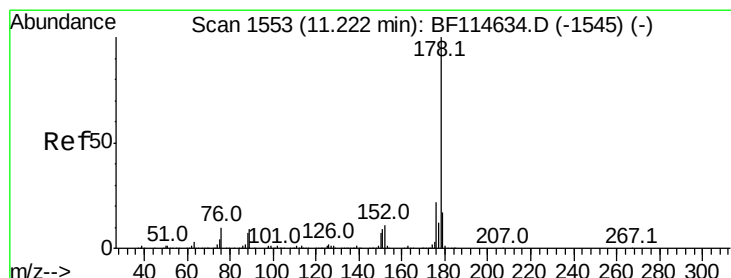
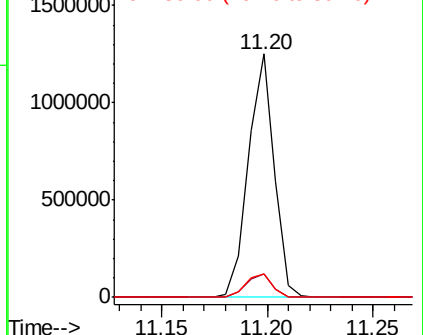
80 9.7 9.0 13.6



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



#71

Phenanthrene

Concen: 10.353 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

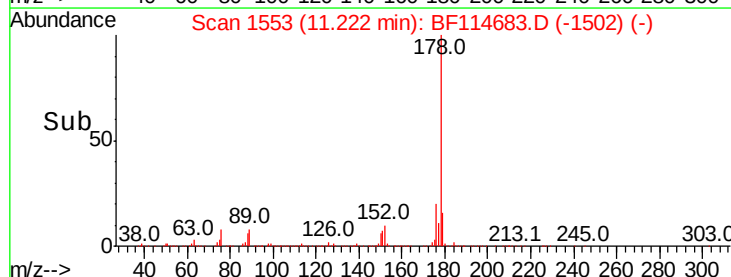
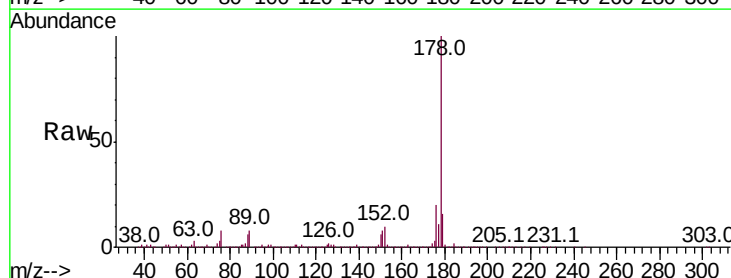
Tgt Ion:178 Resp: 560634

Ion Ratio Lower Upper

178 100

176 19.6 17.2 25.8

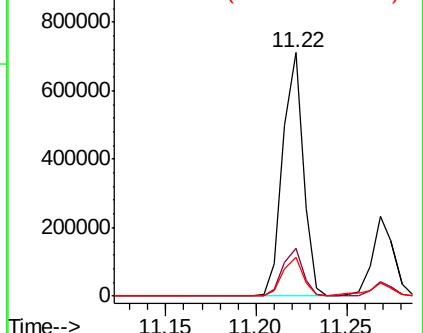
179 15.8 13.9 20.9

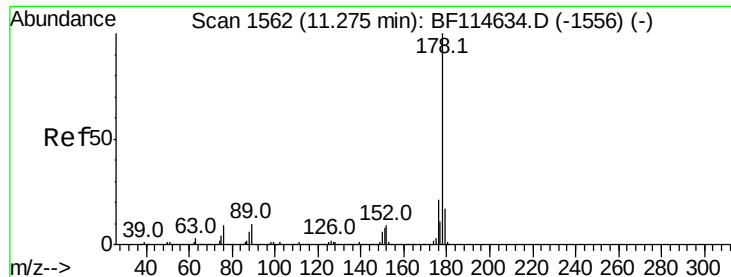


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.332 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampled :

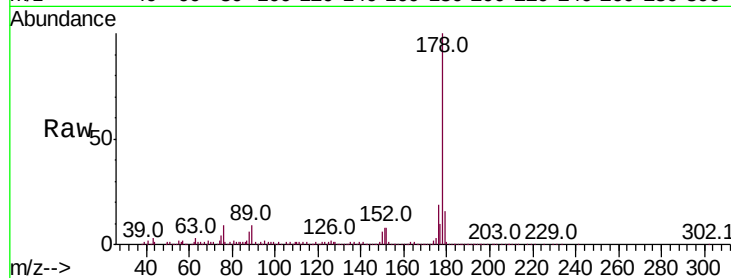
Tot Ion:178 Resp: 182620

Ion Ratio Lower Upper

178 100

176 18.7 16.6 24.8

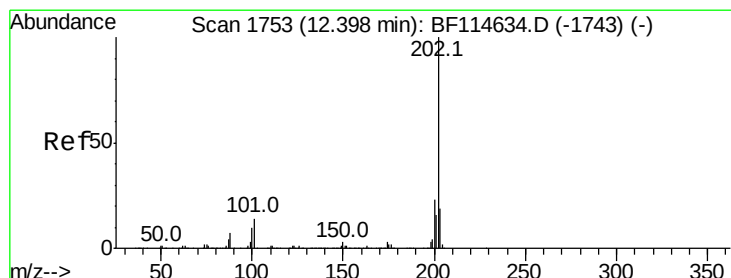
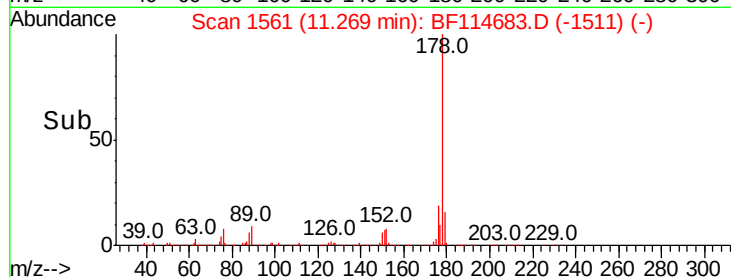
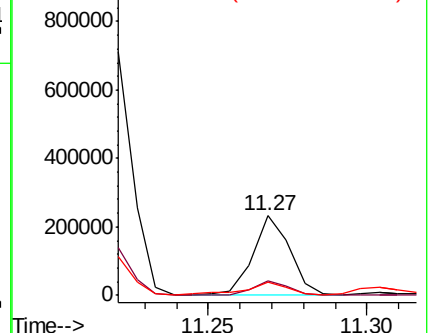
179 16.0 13.4 20.0



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: 17.714 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

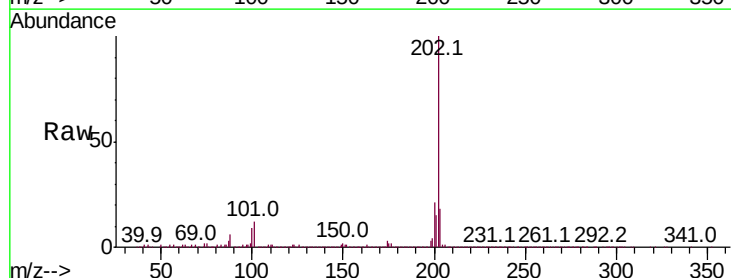
Tgt Ion:202 Resp: 993250

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.9

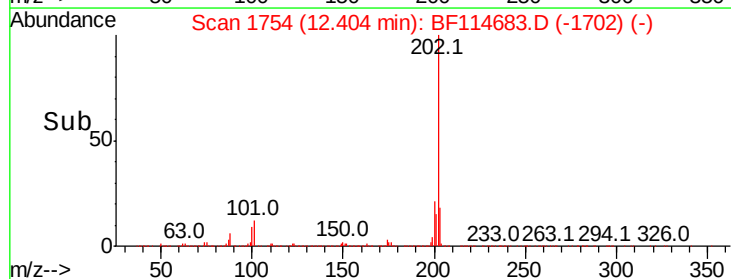
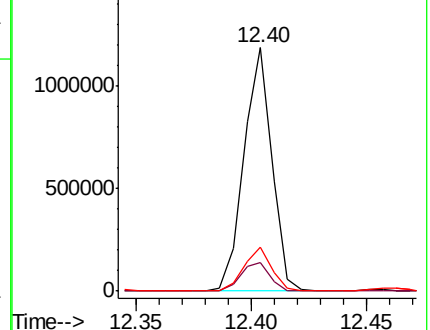
203 18.0 0.0 39.1

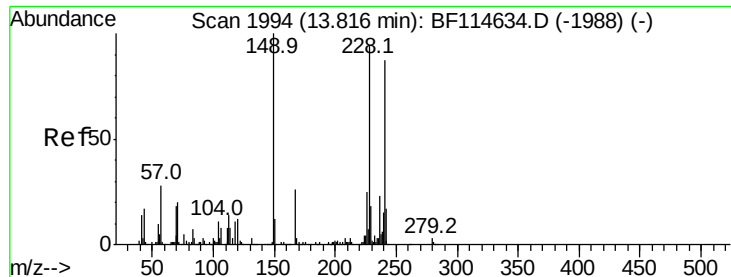


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampleId :

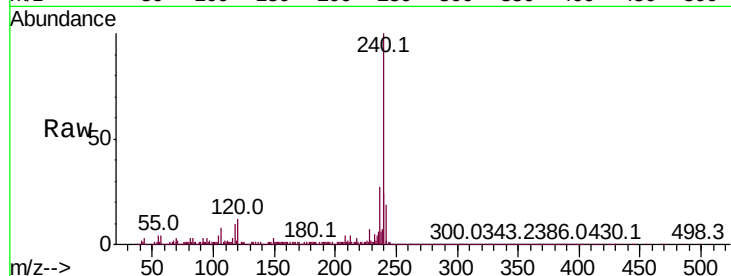
Tot Ion:240 Resp: 726578

Ion Ratio Lower Upper

240 100

120 11.7 11.2 16.8

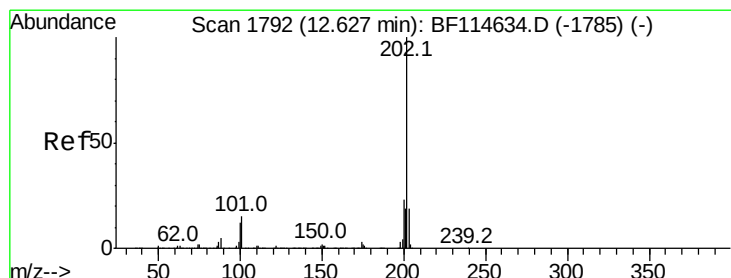
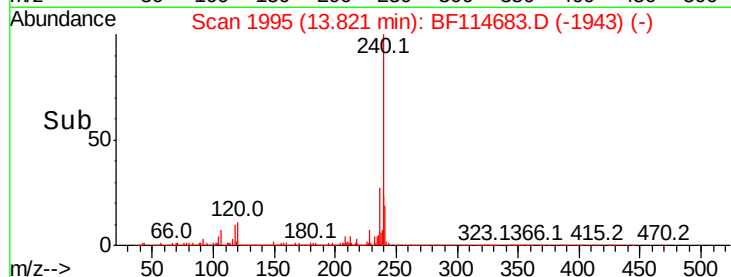
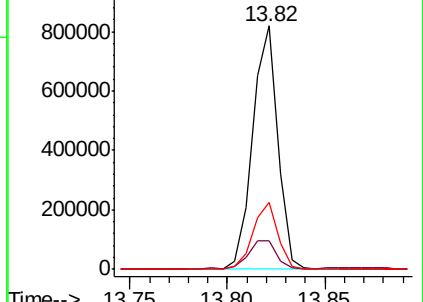
236 27.3 21.2 31.8



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: 14.855 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

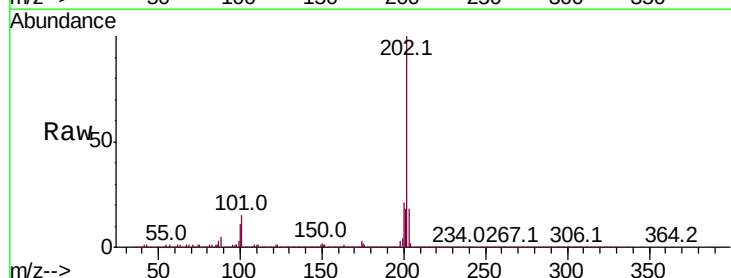
Tgt Ion:202 Resp: 913024

Ion Ratio Lower Upper

202 100

200 21.3 18.6 28.0

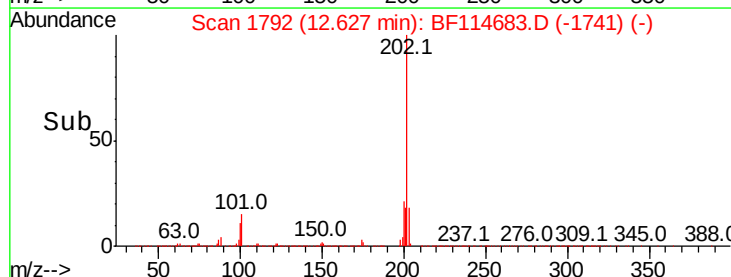
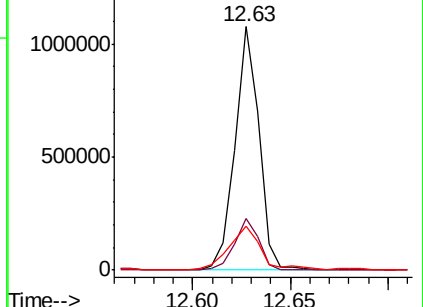
203 18.2 15.4 23.2

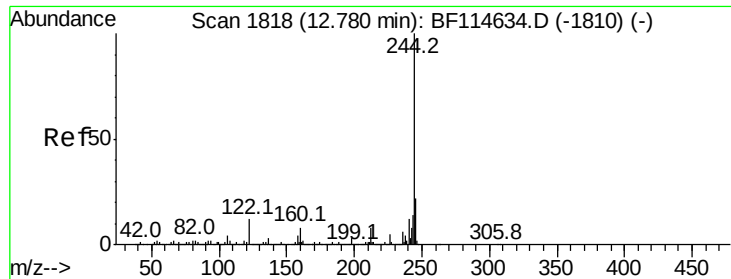


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 19.060 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampled :

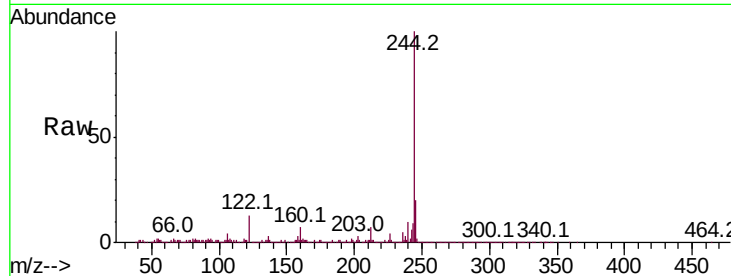
Tot Ion:244 Resp: 736550

Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

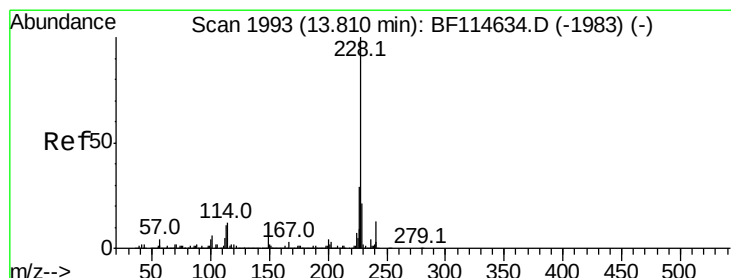
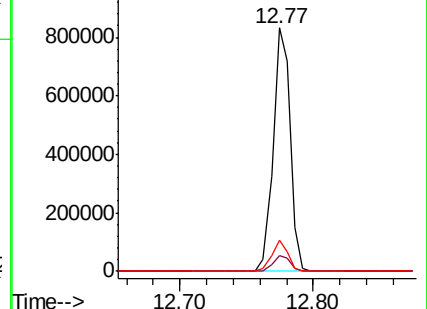
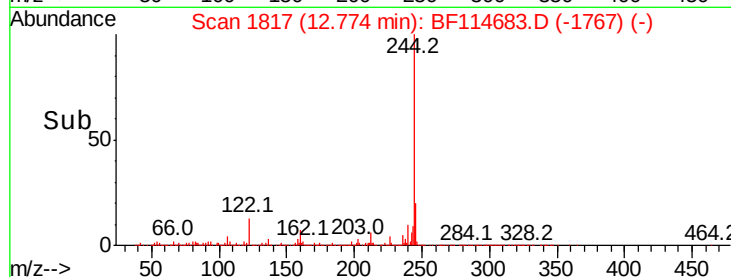
122 12.8 9.8 14.8



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: 5.979 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

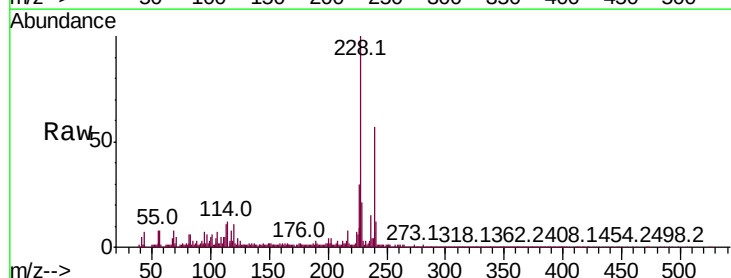
Tgt Ion:228 Resp: 333832

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.6

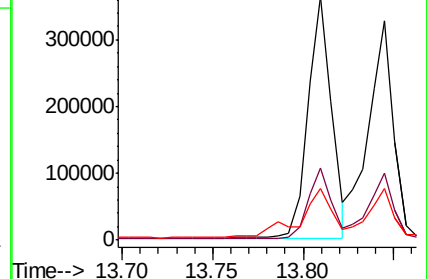
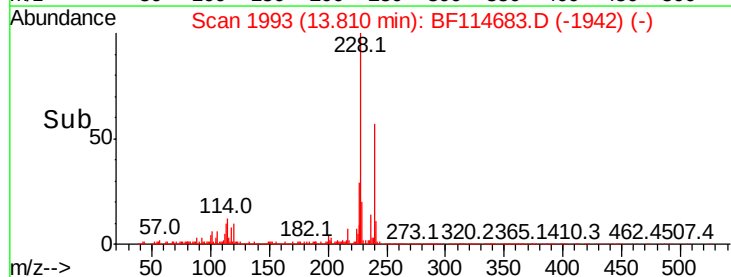
229 21.2 17.0 25.4

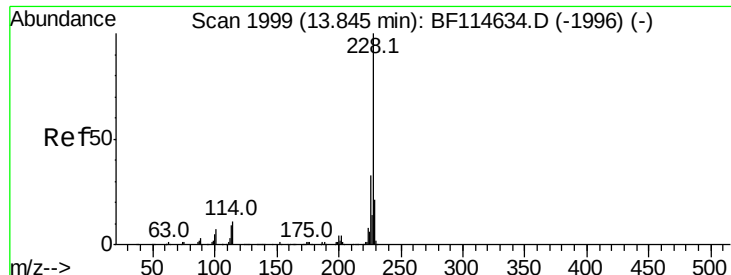


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

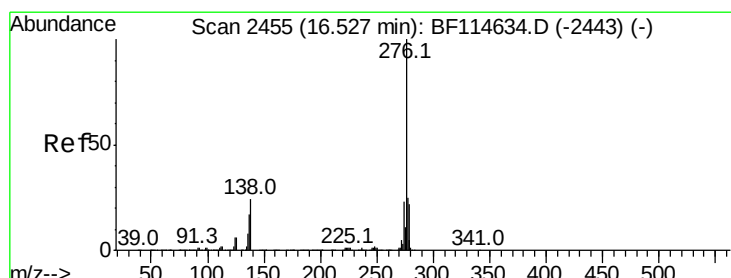
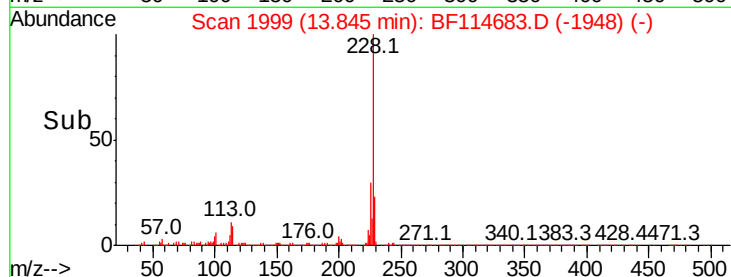
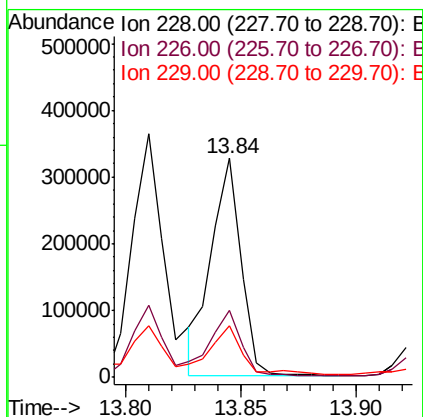
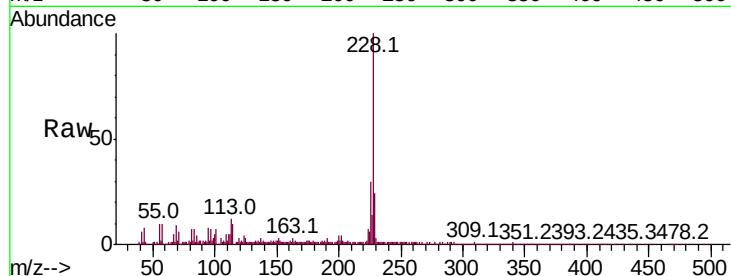




#83
Chrysene
Concen: 5.466 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

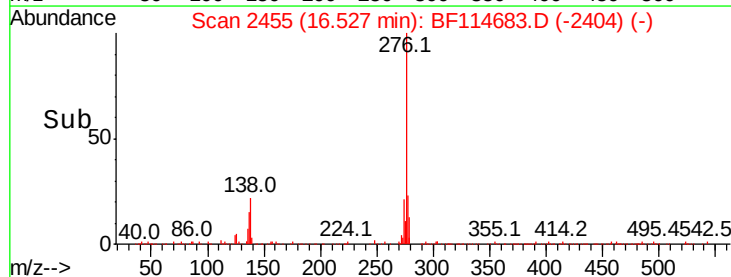
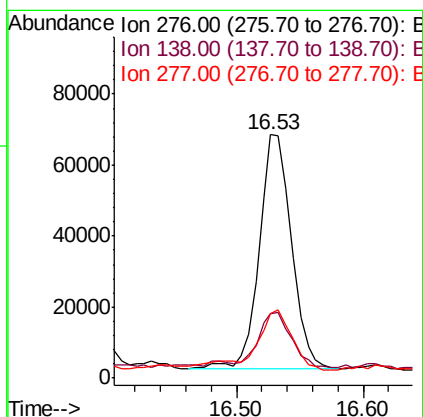
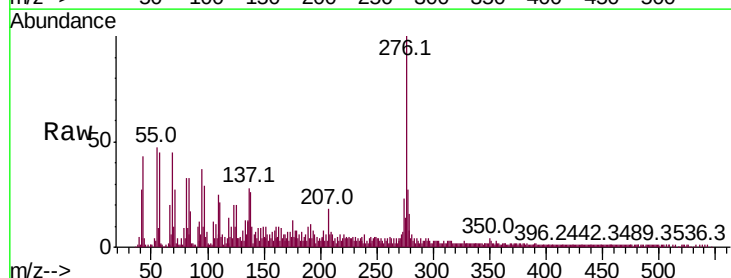
Instrument :
BNA_F
ClientSampled :

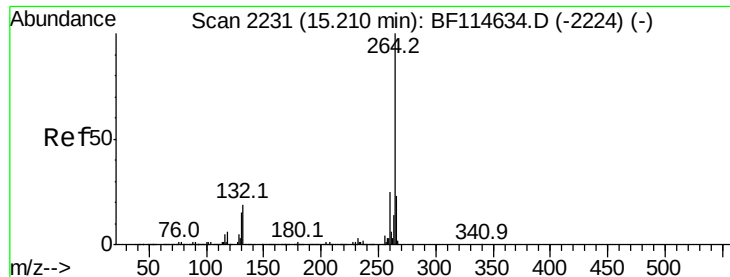
Tot Ion:228	Resp:	291595
Ion Ratio	Lower	Upper
228	100	
226	30.4	26.4 39.6
229	23.6	17.1 25.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:276	Resp:	116889
Ion Ratio	Lower	Upper
276	100	
138	24.6	23.0 34.6
277	25.2	20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

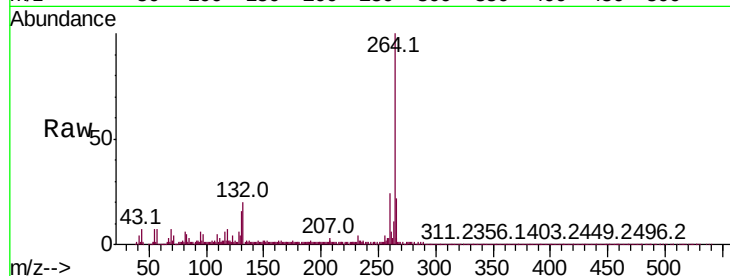
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 605087

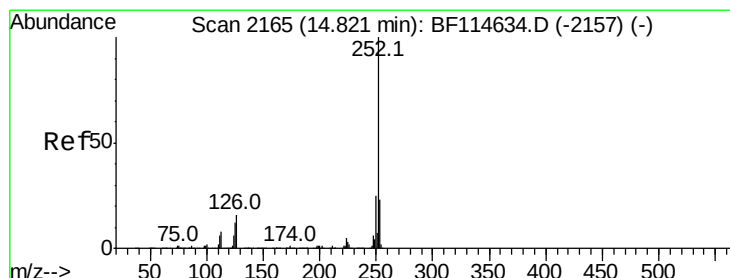
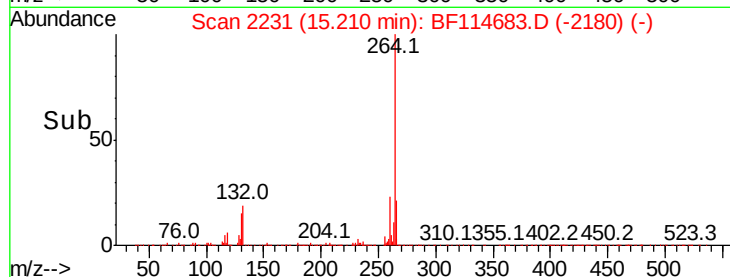
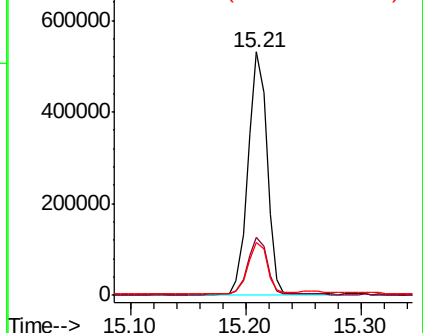
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.7	18.1	27.1



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: 10.573 ng

RT: 14.82 min Scan# 2165

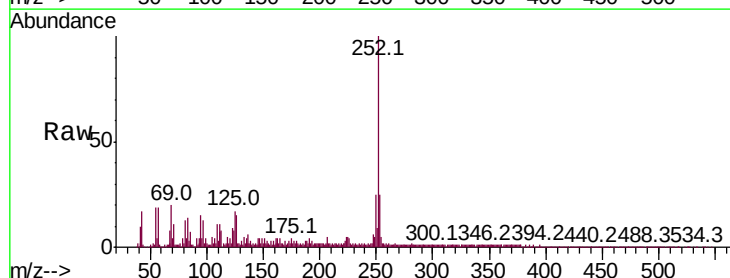
Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Tgt Ion:252 Resp: 402944

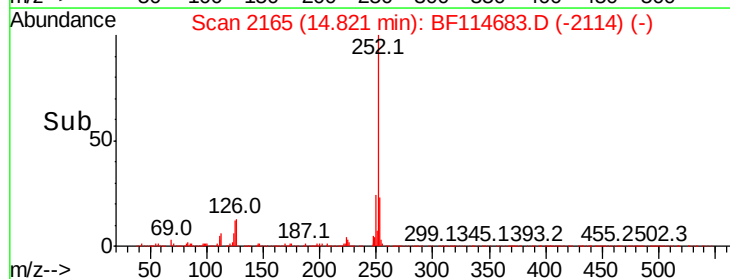
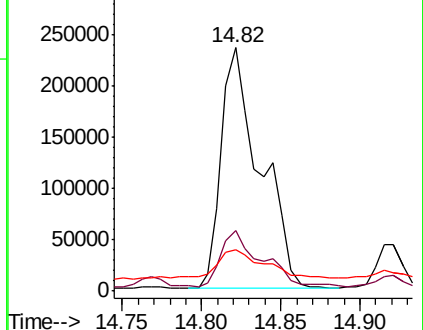
Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.7	28.1
125	16.9	9.4	14.2#

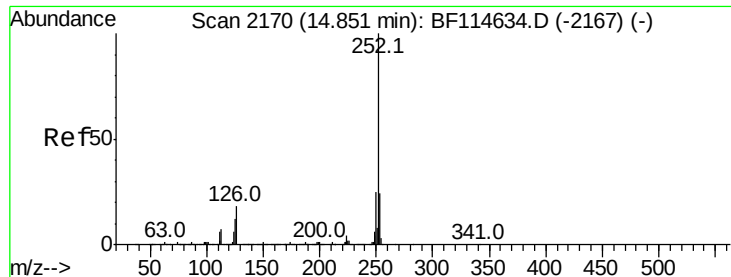


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

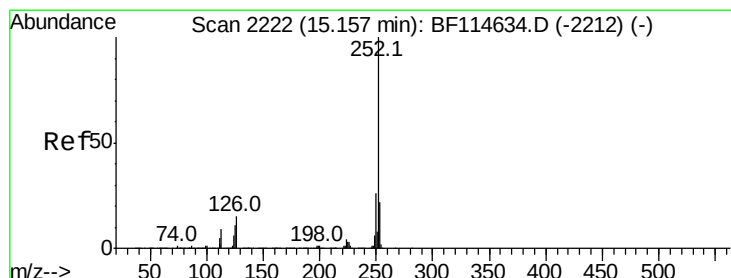
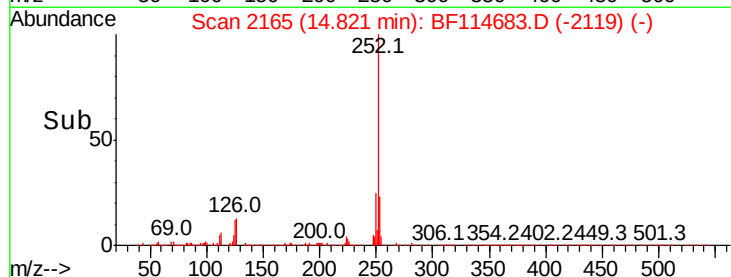
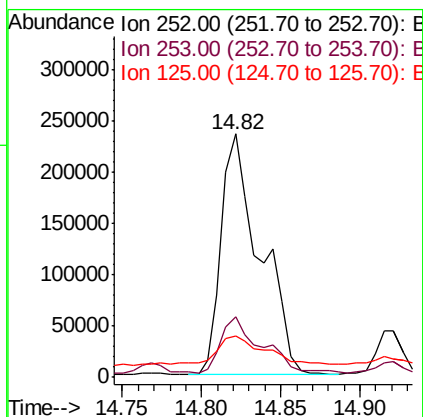
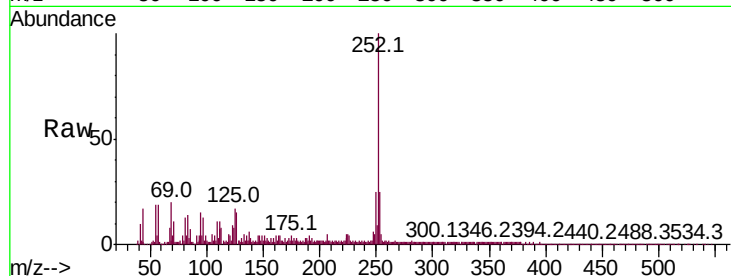




#89
Benzo(k)fluoranthene
Concen: 12.164 ng
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

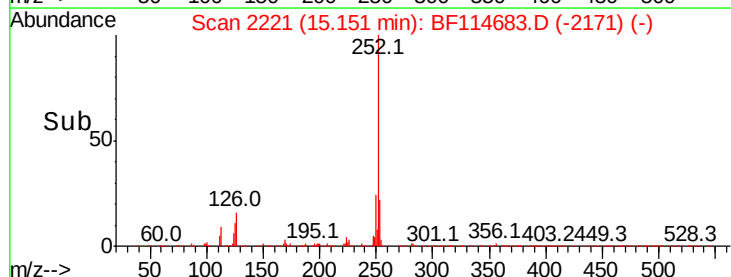
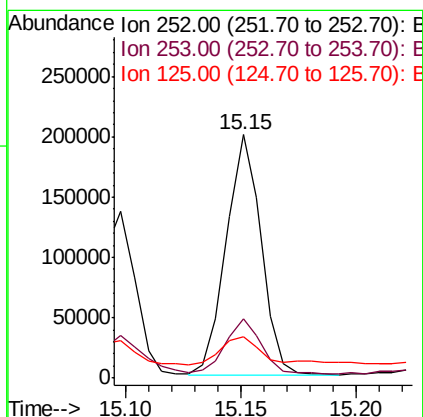
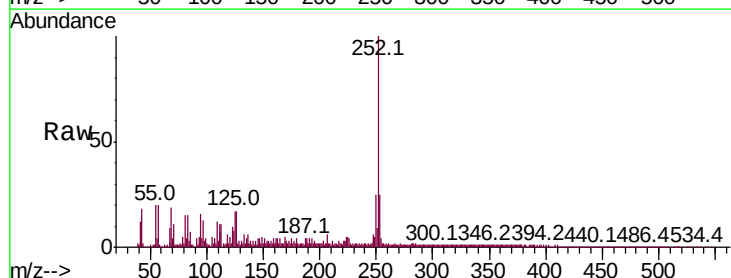
Instrument :
BNA_F
ClientSampleId :

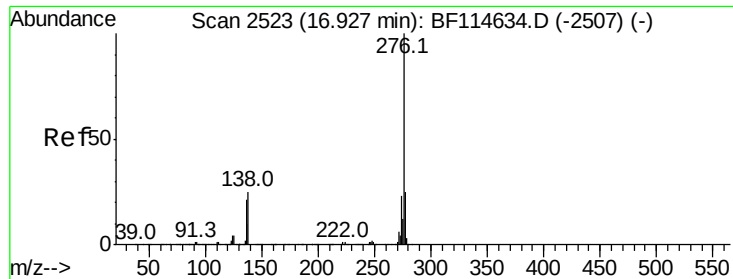
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	16.9	9.5	14.3



#90
Benzo(a)pyrene
Concen: 6.258 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	17.1	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 3.940 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

ClientSampleId :

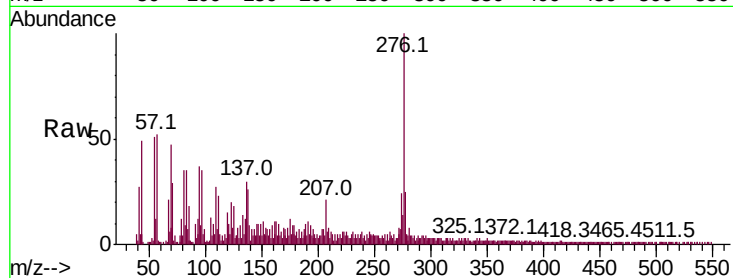
Tot Ion:276 Resp: 113143

Ion Ratio Lower Upper

276 100

277 25.1 19.7 29.5

138 26.1 19.8 29.8



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

