

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096024.D
 Acq On : 20 Jun 2017 3:02
 Operator : SJ/MA
 Sample : I3688-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 20 04:06:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	69546	20.00	ng	-0.02
21) Naphthalene-d8	9.33	136	268392	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	104766	20.00	ng	-0.02
63) Phenanthrene-d10	14.55	188	153325	20.00	ng	-0.02
75) Chrysene-d12	18.29	240	125067	20.00	ng	-0.01
86) Perylene-d12	19.97	264	92342	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	491278	112.56	ng	-0.03
7) Phenol-d6	6.89	99	582206	111.43	ng	-0.02
23) Nitrobenzene-d5	8.23	82	345396	79.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.46	330	89028	96.05	ng	-0.02
44) 2-Fluorobiphenyl	11.12	172	634109	84.23	ng	-0.02
78) Terphenyl-d14	16.93	244	400769	79.53	ng	-0.02

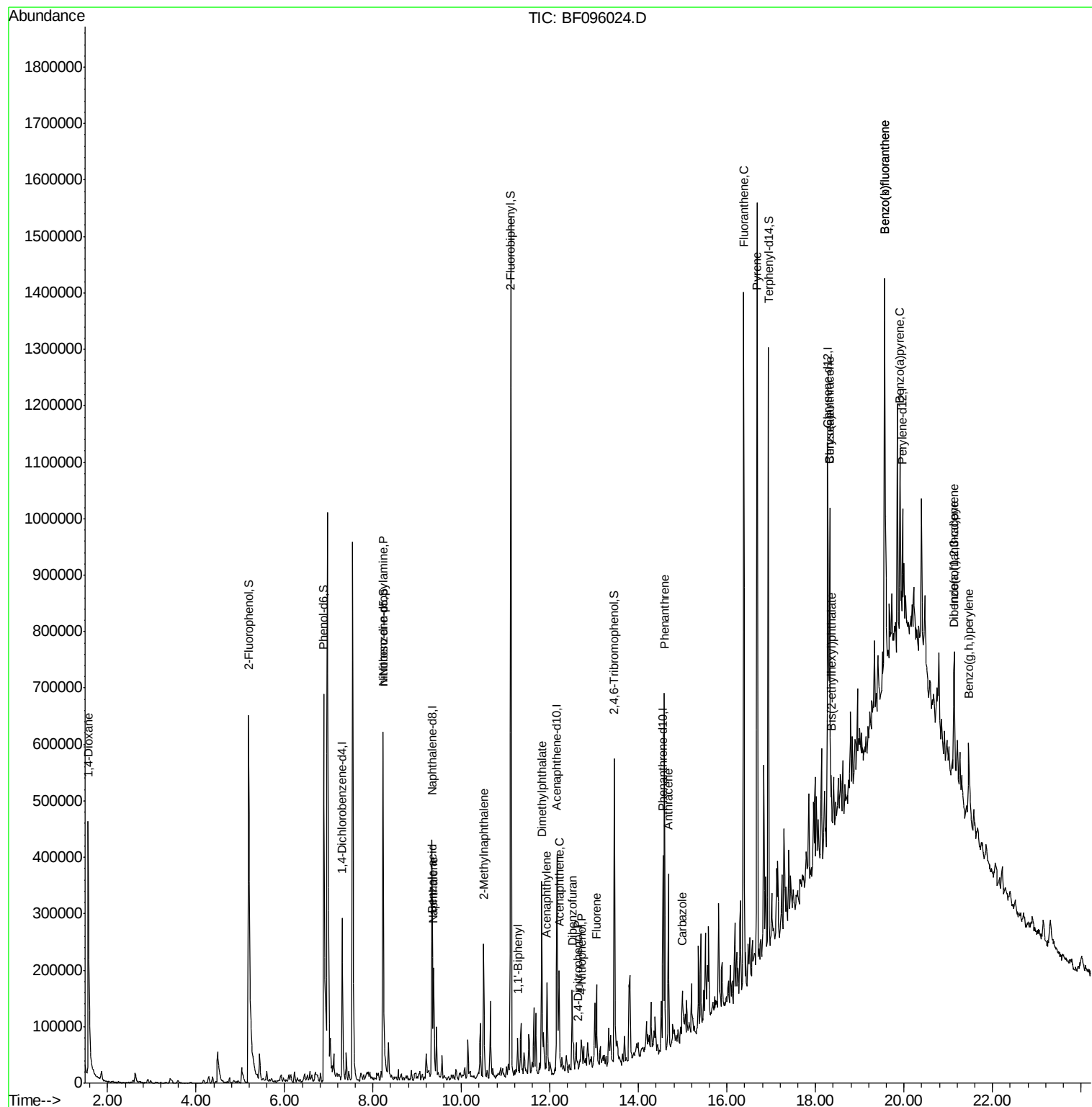
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	22860	11.01	ng	# 21
19) n-Nitroso-di-n-propylamine	8.23	70	44661	13.49	ng	# 76
31) Naphthalene	9.37	128	138212	10.26	ng	99
32) Benzoic acid	9.35	122	891	5.46	ng	# 50
37) 2-Methylnaphthalene	10.50	142	90975	10.00	ng	98
45) 1,1'-Biphenyl	11.27	154	27771	3.22	ng	94
48) Acenaphthylene	11.93	152	100184	8.68	ng	99
49) Dimethylphthalate	11.81	163	184801	23.23	ng	100
51) Acenaphthene	12.21	154	25528	3.83	ng	97
53) 2,4-Dinitrophenol	12.64	184	121	6.59	ng	# 4
54) Dibenzofuran	12.50	168	78113	8.33	ng	96
55) 4-Nitrophenol	12.71	139	1181	5.57	ng	# 68
57) Fluorene	13.05	166	36911	4.52	ng	94
70) Phenanthrene	14.59	178	330636	37.37	ng	97
71) Anthracene	14.67	178	178373	19.31	ng	98
72) Carbazole	14.99	167	44087	4.90	ng	98
74) Fluoranthene	16.38	202	640144	73.11	ng	99
77) Pyrene	16.68	202	617222	66.14	ng	96
80) Benzo(a)anthracene	18.32	228	326175	44.86	ng	97
82) Chrysene	18.32	228	326175	44.89	ng	97
83) Bis(2-ethylhexyl)phthalate	18.36	149	32655	5.68	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.13	276	120225	19.34	ng	# 92
87) Benzo(b)fluoranthene	19.56	252	492002	85.09	ng	# 95
88) Benzo(k)fluoranthene	19.56	252	492002	89.02	ng	99
89) Benzo(a)pyrene	19.91	252	159482	30.01	ng	# 92
90) Dibenzo(a,h)anthracene	21.12	278	43467	9.64	ng	# 82
91) Benzo(g,h,i)perylene	21.46	276	106078	23.08	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

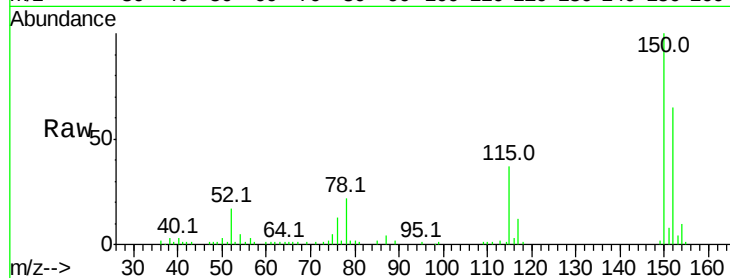
Tot Ion:152 Resp: 69546

Ion Ratio Lower Upper

152 100

150 154.4 126.2 189.2

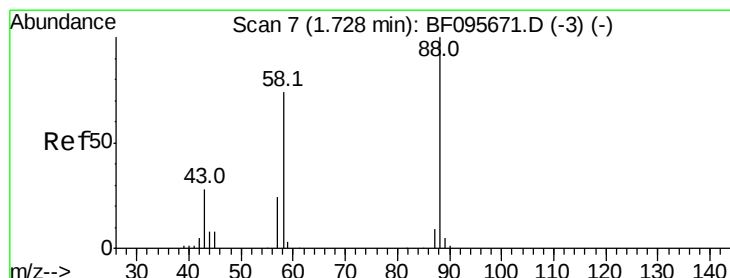
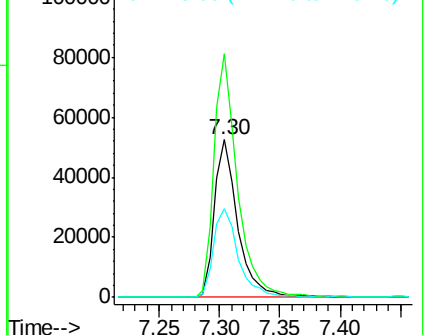
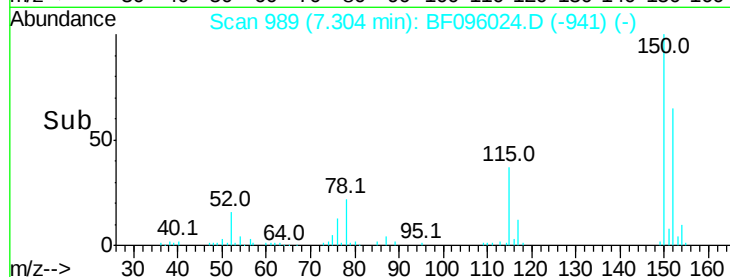
115 56.6 52.2 78.2



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



#2

1,4-Dioxane

Concen: 11.01 ng

RT: 1.56 min Scan# 13

Delta R.T. -0.07 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

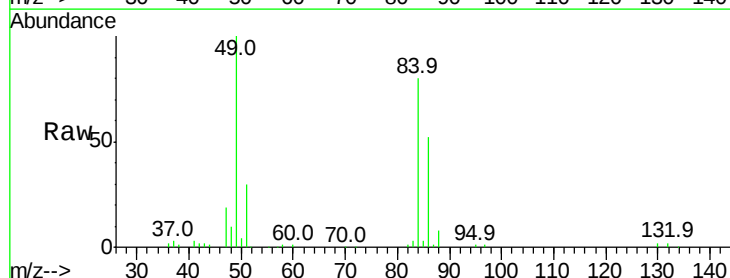
Tgt Ion: 88 Resp: 22860

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

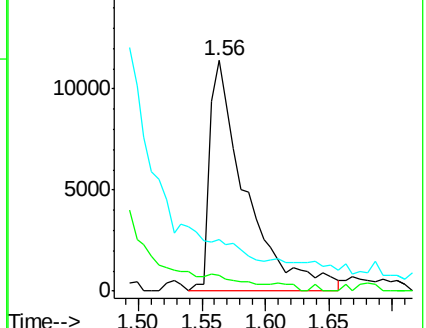
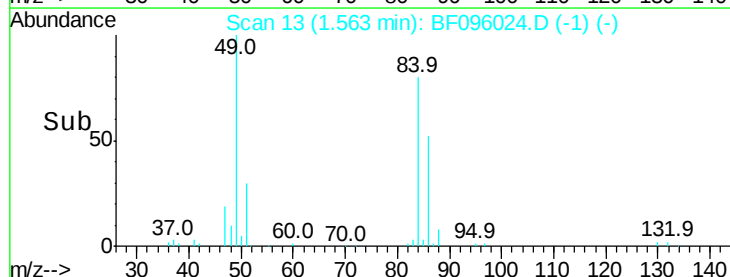
43 0.0 23.4 35.0#

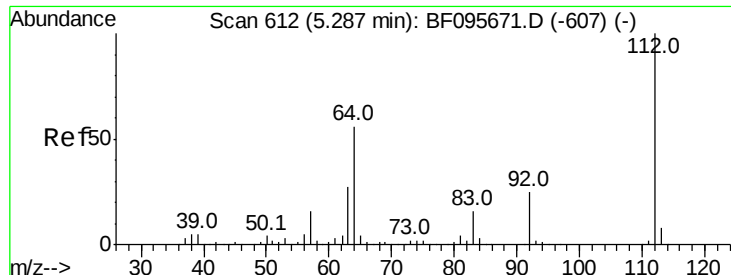


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 112.56 ng

RT: 5.19 min Scan# 629

Delta R.T. -0.03 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampled :

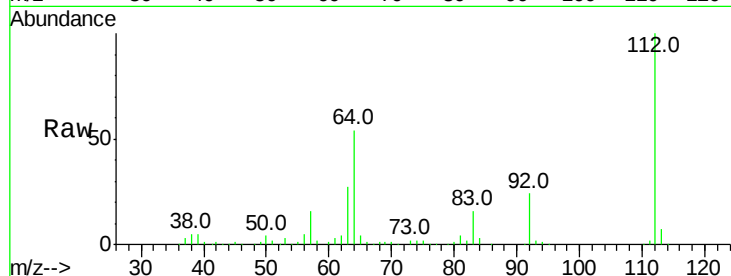
Tot Ion:112 Resp: 491278

Ion Ratio Lower Upper

112 100

64 54.0 46.0 69.0

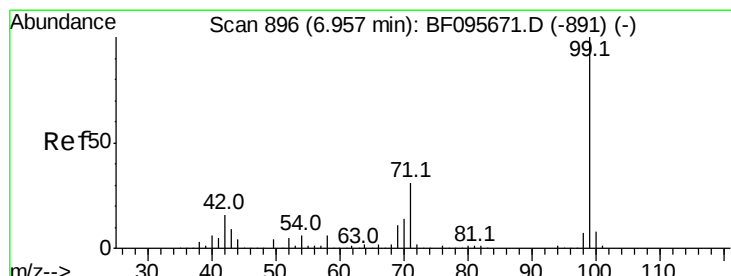
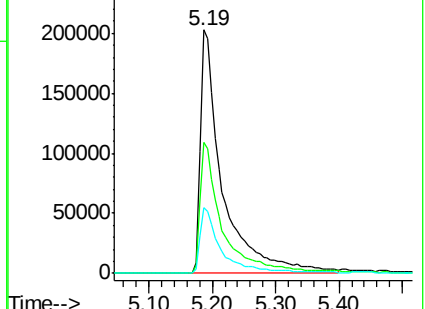
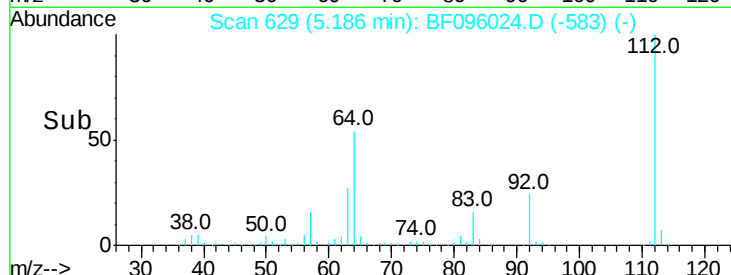
63 26.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 111.43 ng

RT: 6.89 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

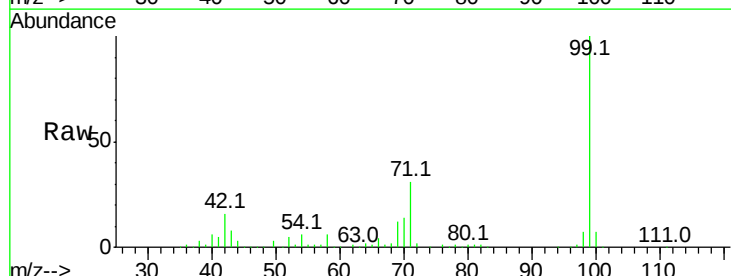
Tgt Ion: 99 Resp: 582206

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

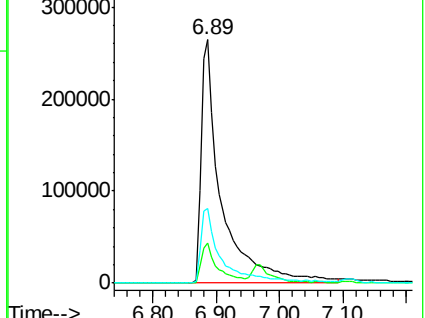
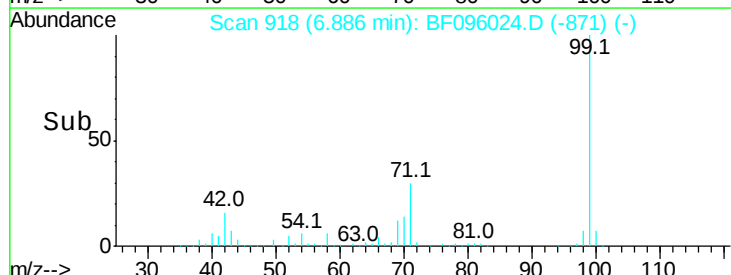
71 30.8 24.5 36.7

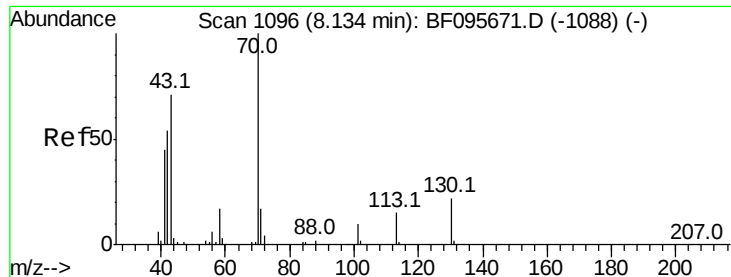


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

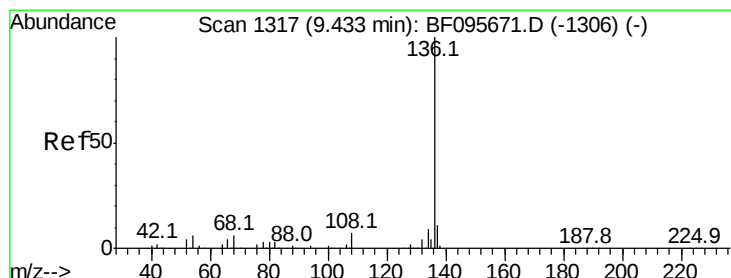
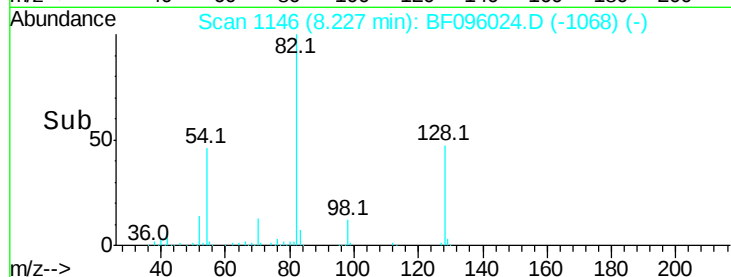
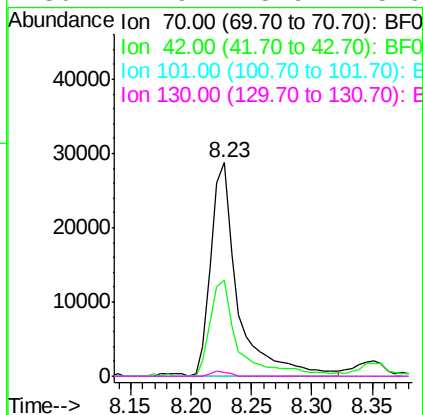
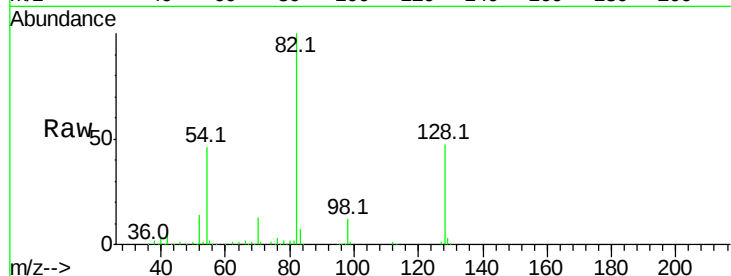




#19
n-Nitroso-di-n-propylamine
Concen: 13.49 ng
RT: 8.23 min Scan# 1146
Delta R.T. 0.16 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

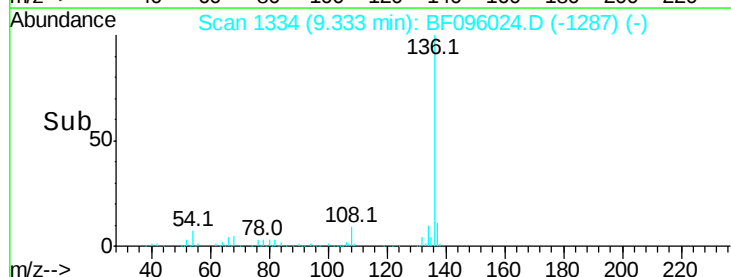
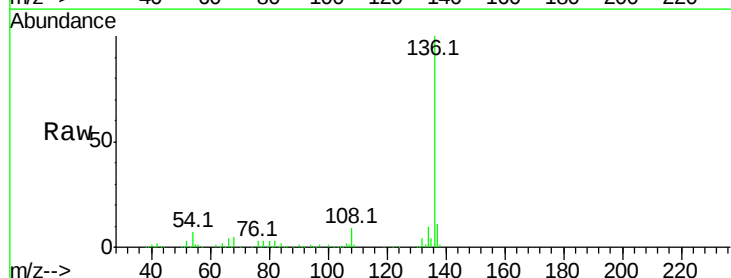
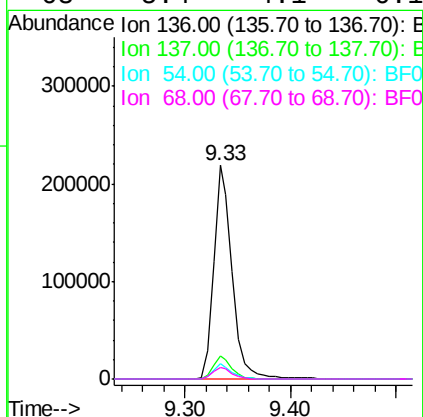
Instrument :
BNA_F
ClientSampleId :

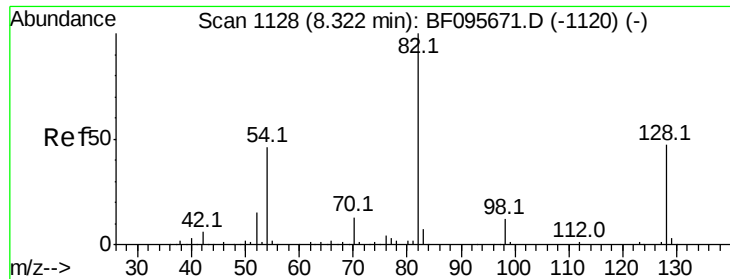
Tot Ion: 70 Resp: 44661
Ion Ratio Lower Upper
70 100
42 45.1 47.2 70.8#
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.33 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion:136 Resp: 268392
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.1 4.9 7.3
68 5.4 4.1 6.1

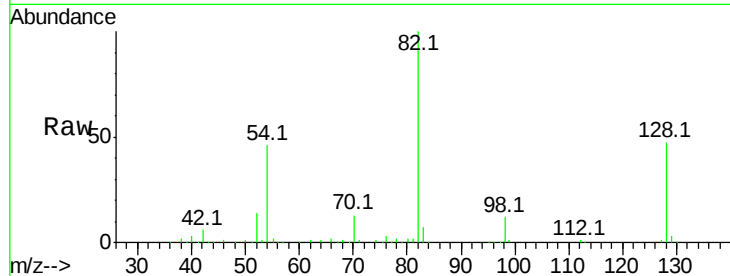




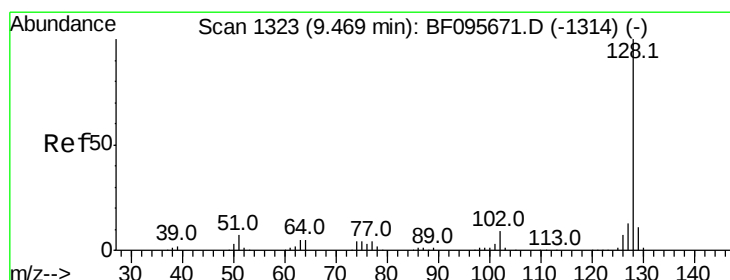
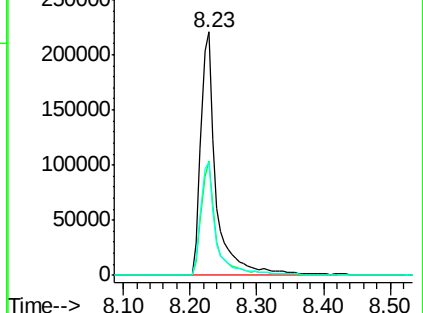
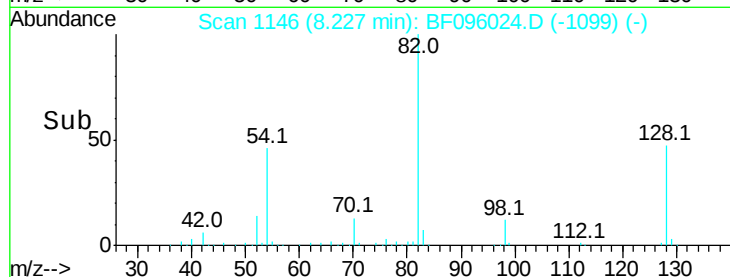
#23
Nitrobenzene-d5
Concen: 79.92 ng
RT: 8.23 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 345396
Ion Ratio Lower Upper
82 100
128 46.9 34.0 51.0
54 46.4 42.2 63.2

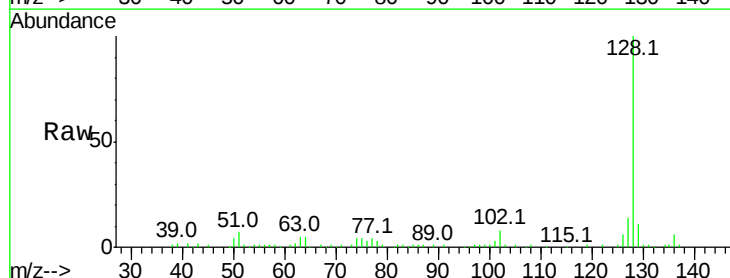


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

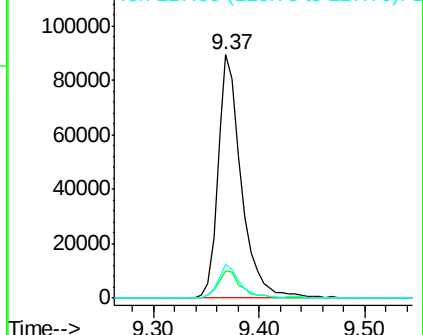
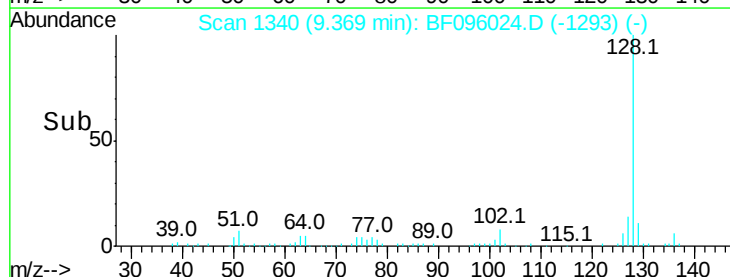


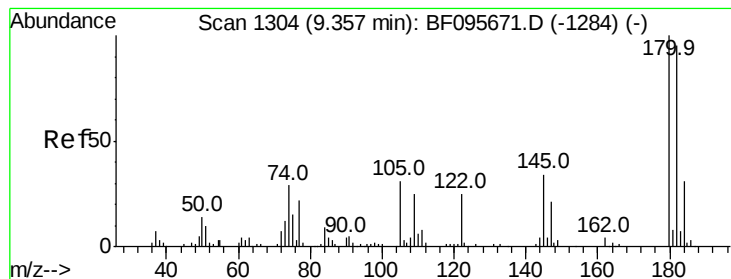
#31
Naphthalene
Concen: 10.26 ng
RT: 9.37 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion: 128 Resp: 138212
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.7 10.8 16.2



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





#32

Benzoic acid

Concen: 5.46 ng

RT: 9.35 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

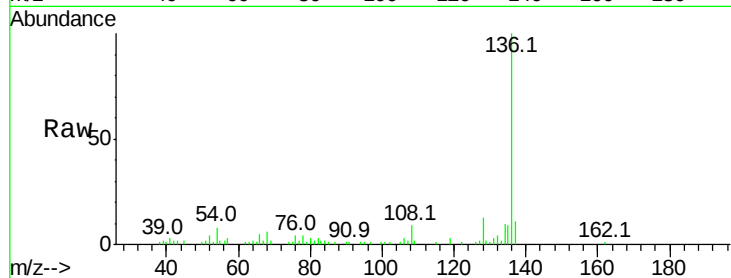
Tot Ion:122 Resp: 891

Ion Ratio Lower Upper

122 100

105 63.1 103.3 143.3#

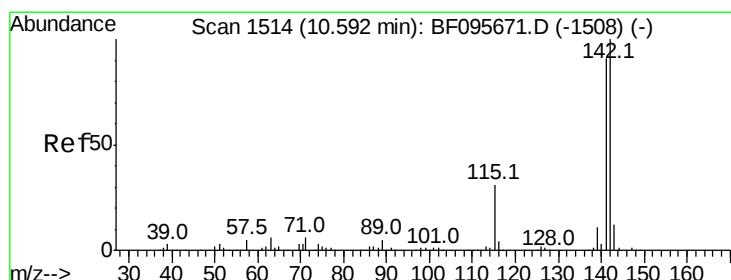
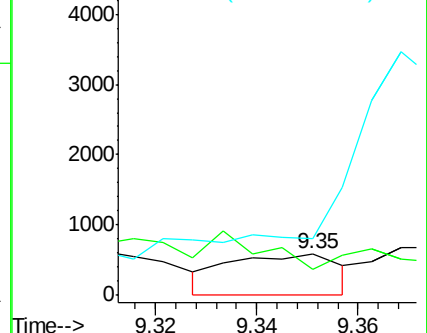
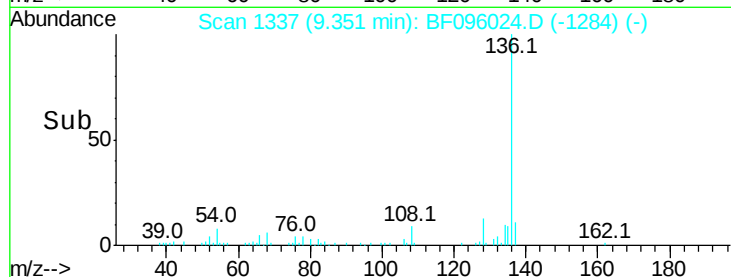
77 136.6 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 10.00 ng

RT: 10.50 min Scan# 1532

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

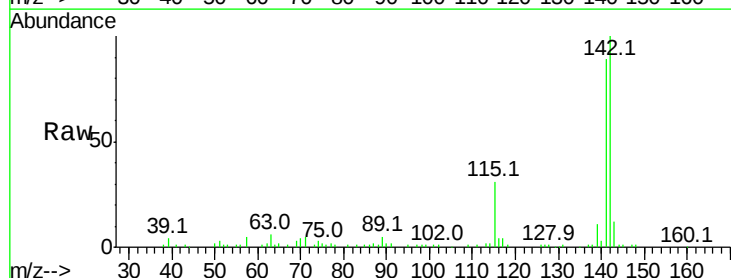
Tgt Ion:142 Resp: 90975

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

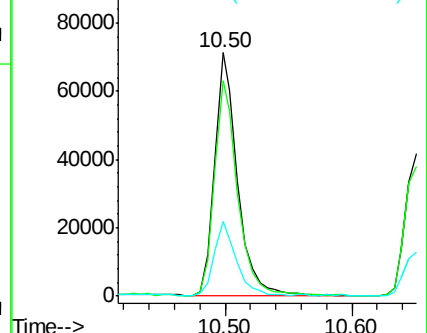
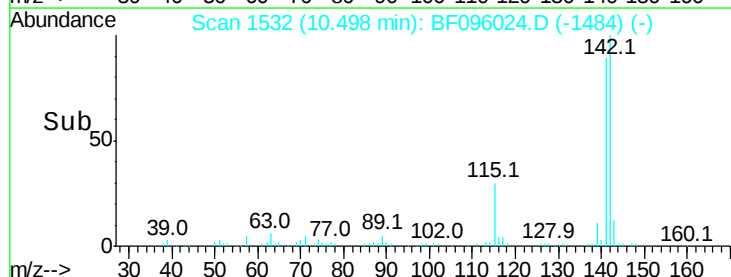
115 30.7 27.1 40.7

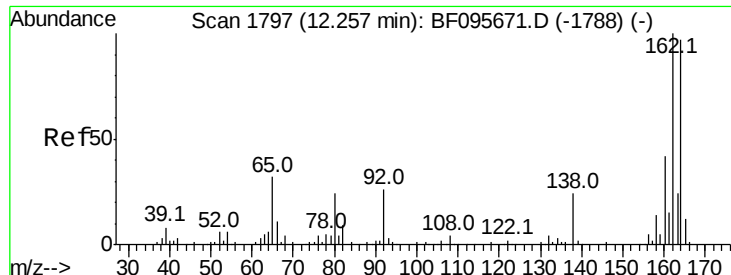


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.16 min Scan# 1814

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

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ClientSampleId :

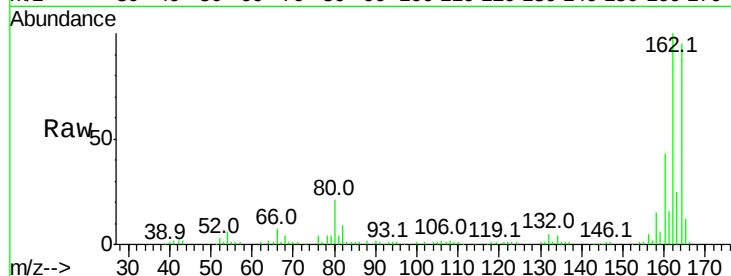
Tot Ion:164 Resp: 104766

Ion Ratio Lower Upper

164 100

162 105.5 82.6 123.8

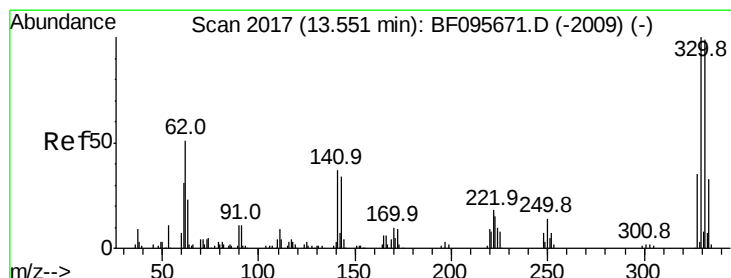
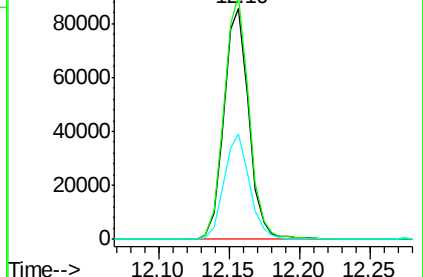
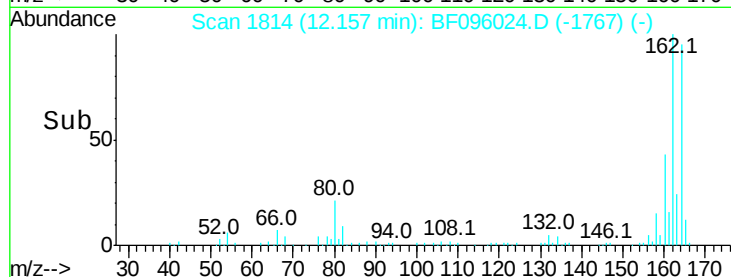
160 45.6 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 96.05 ng

RT: 13.46 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

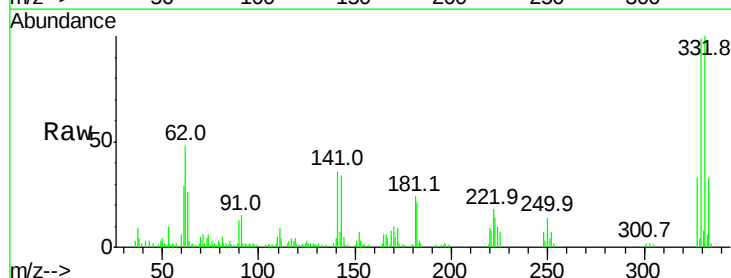
Tgt Ion:330 Resp: 89028

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

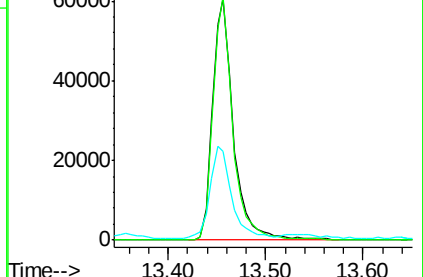
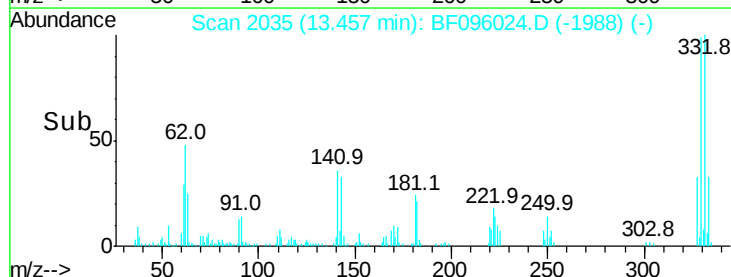
141 41.1 31.4 47.2

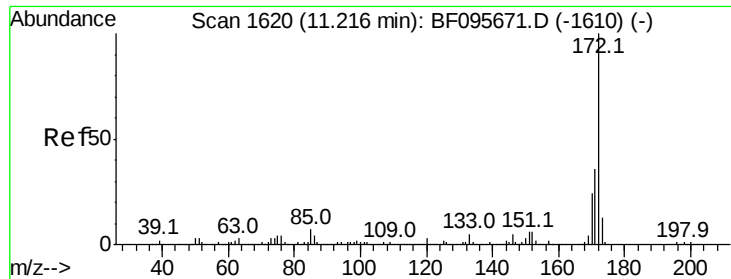


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

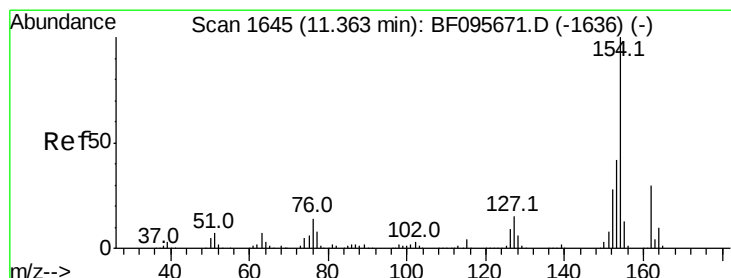
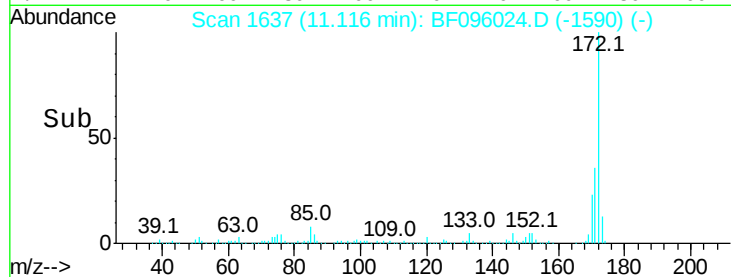
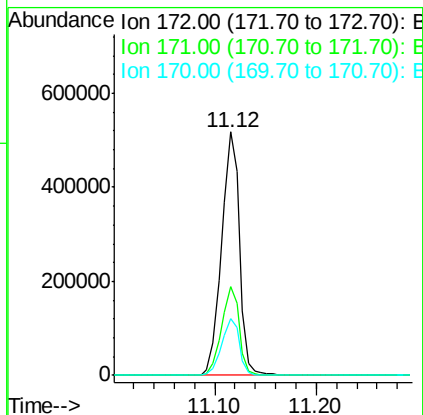
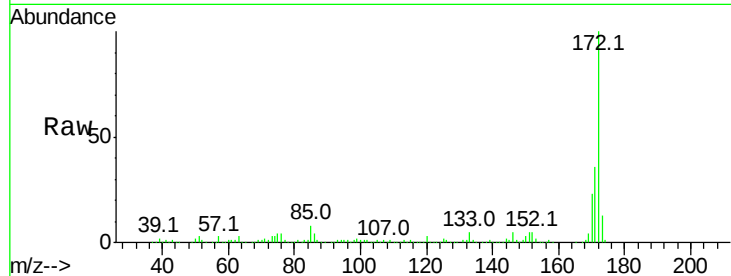




#44
2-Fluorobiphenyl
Concen: 84.23 ng
RT: 11.12 min Scan# 1637
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

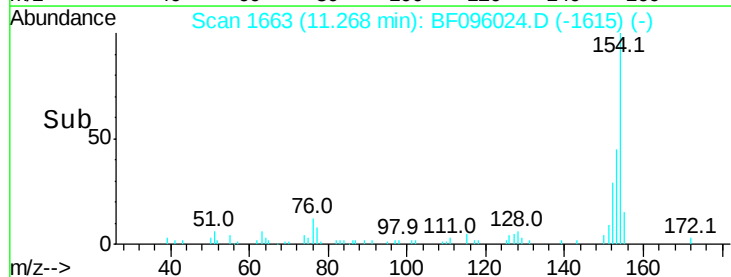
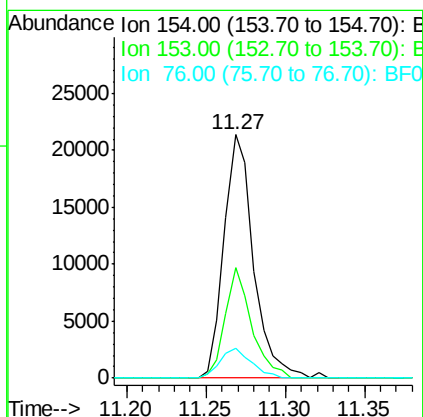
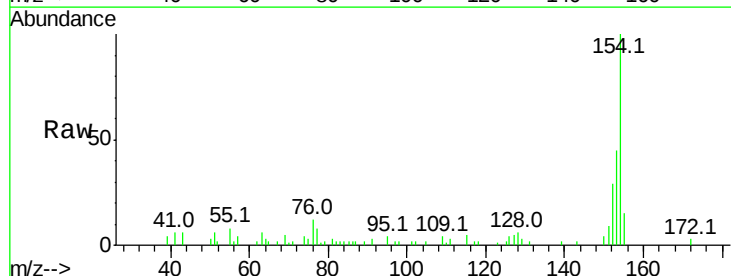
Instrument :
BNA_F
ClientSampleId :

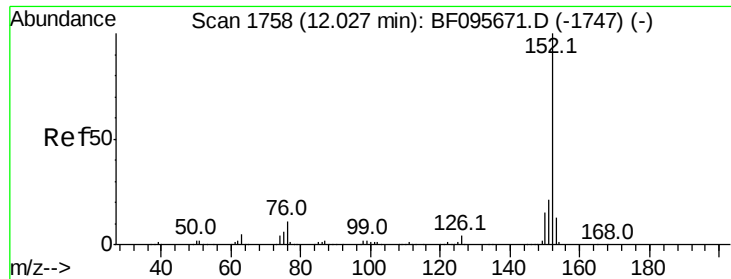
Tot Ion:172 Resp: 634109
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.5 19.8 29.8



#45
1,1'-Biphenyl
Concen: 3.22 ng
RT: 11.27 min Scan# 1663
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion:154 Resp: 27771
Ion Ratio Lower Upper
154 100
153 45.2 21.2 61.2
76 12.4 0.0 29.9





#48

Acenaphthylene

Concen: 8.68 ng

RT: 11.93 min Scan# 1775

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

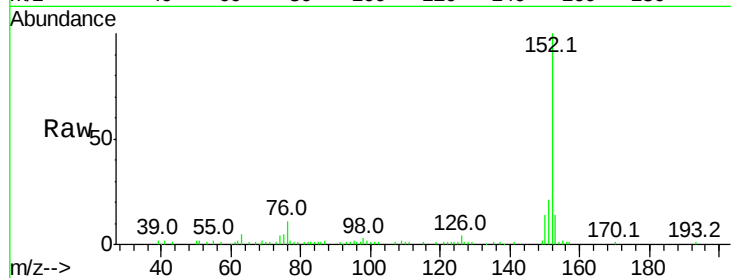
Tot Ion:152 Resp: 100184

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

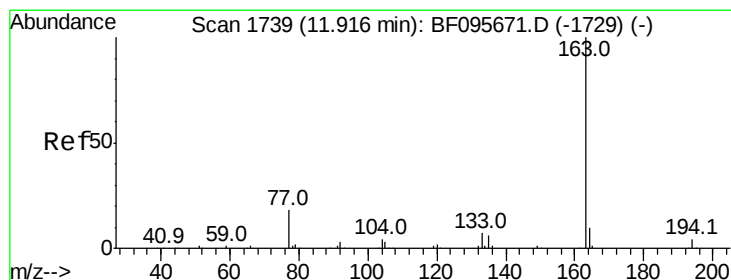
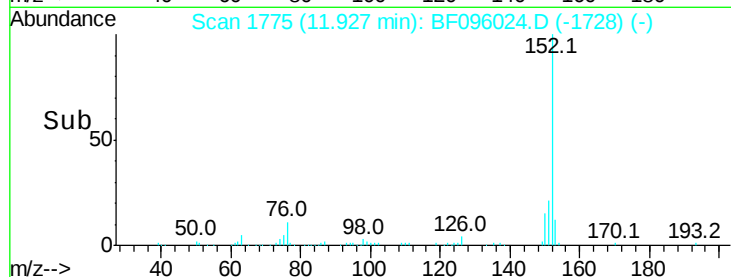
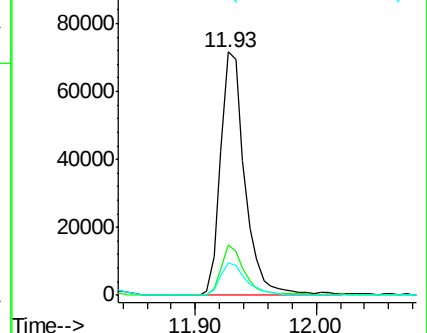
153 13.5 10.8 16.2



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



#49

Dimethylphthalate

Concen: 23.23 ng

RT: 11.81 min Scan# 1755

Delta R.T. -0.04 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

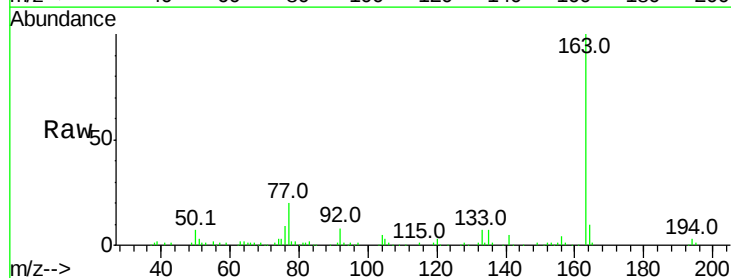
Tgt Ion:163 Resp: 184801

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

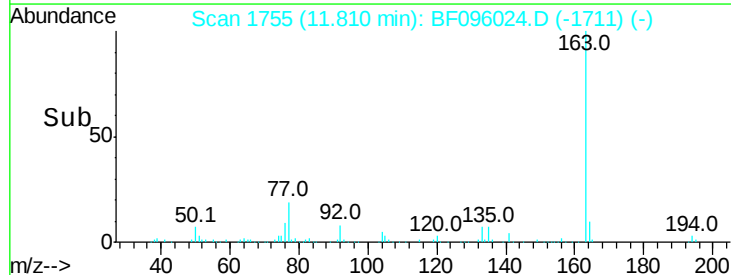
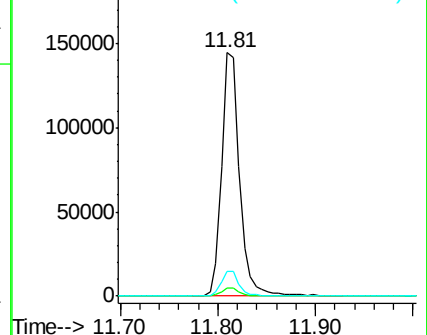
164 10.4 8.4 12.6

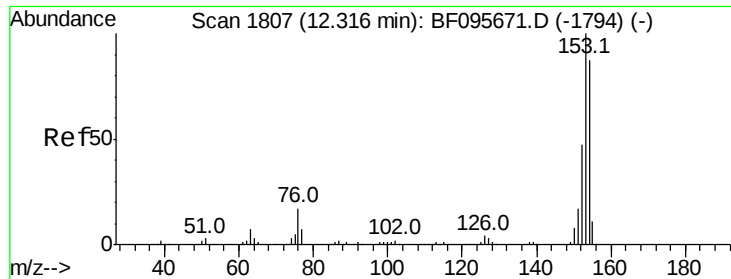


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.83 ng

RT: 12.21 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

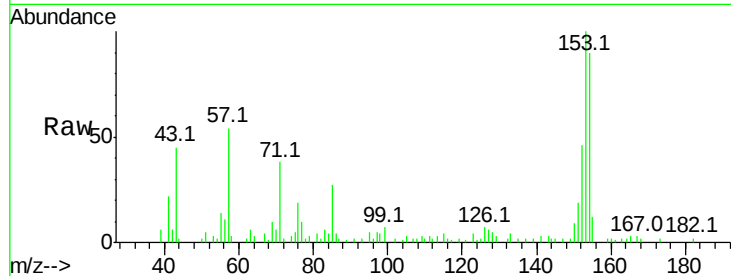
Tot Ion:154 Resp: 25528

Ion Ratio Lower Upper

154 100

153 110.7 90.5 135.7

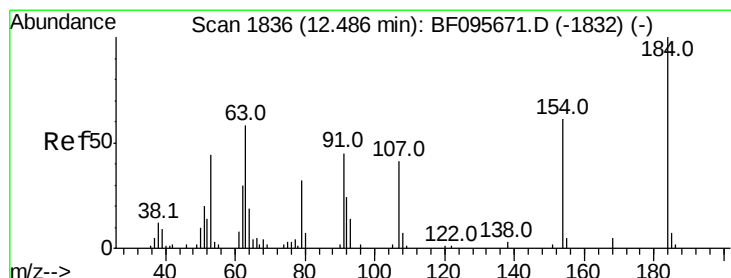
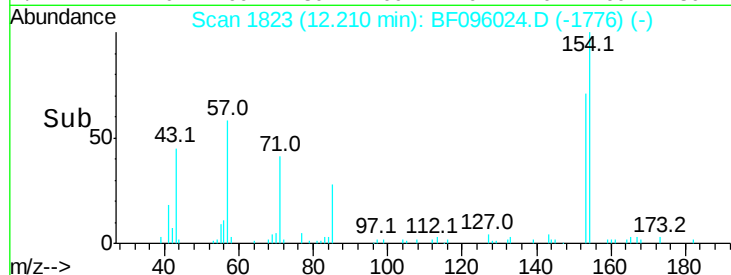
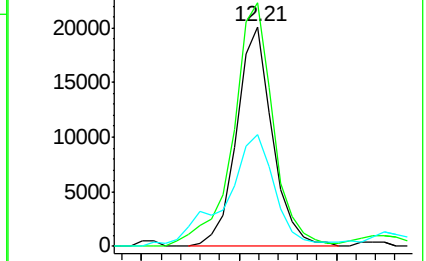
152 50.8 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 6.59 ng

RT: 12.64 min Scan# 1897

Delta R.T. 0.21 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

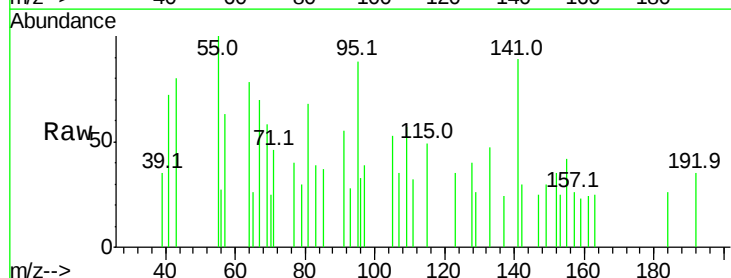
Tgt Ion:184 Resp: 121

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

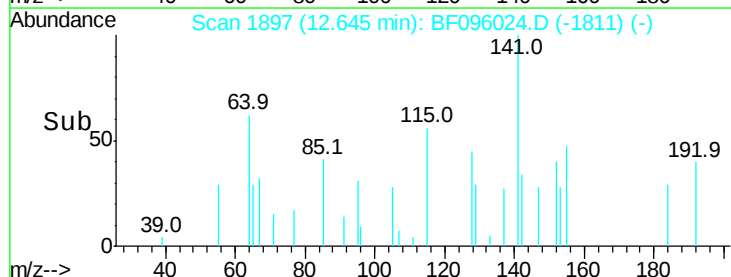
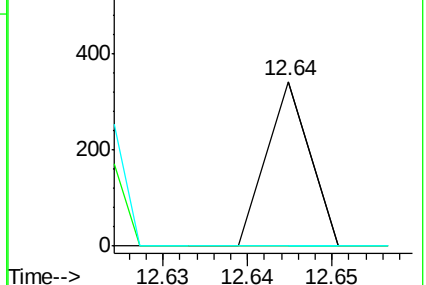
154 0.0 81.1 121.7#

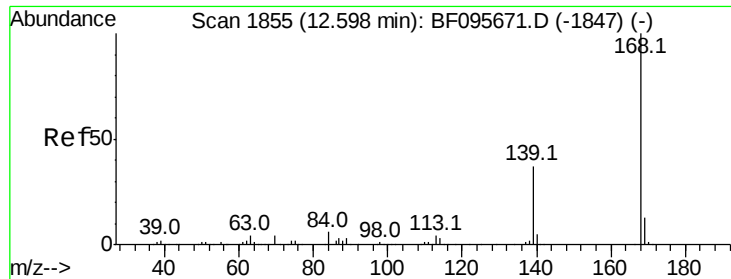


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

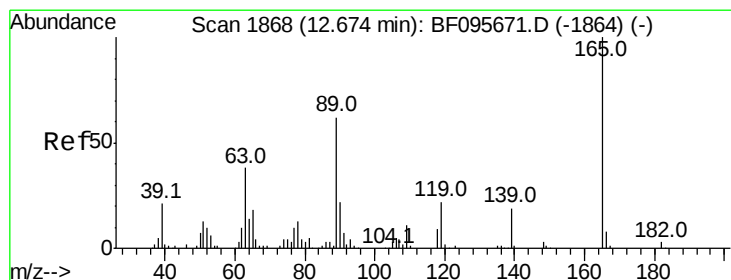
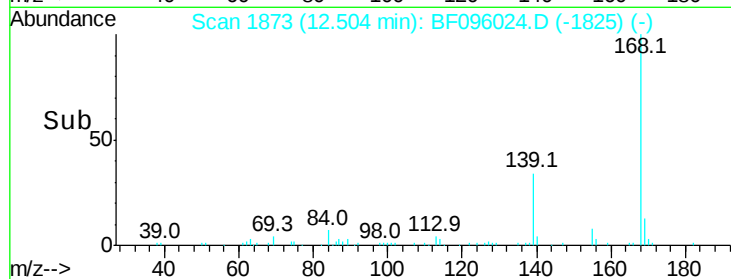
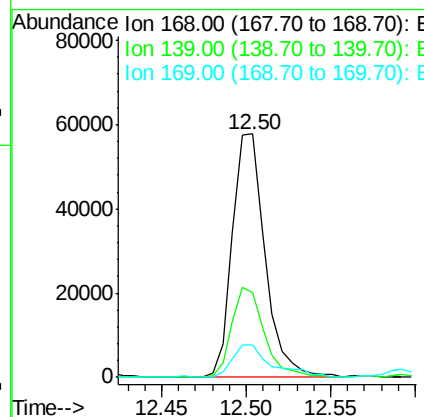
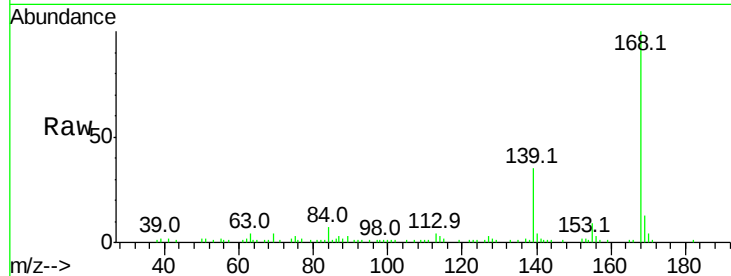




#54
Dibenzenofuran
Concen: 8.33 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

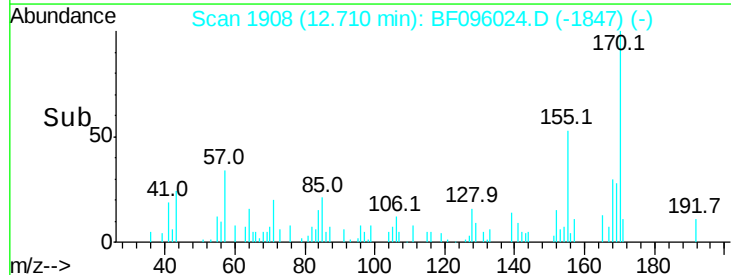
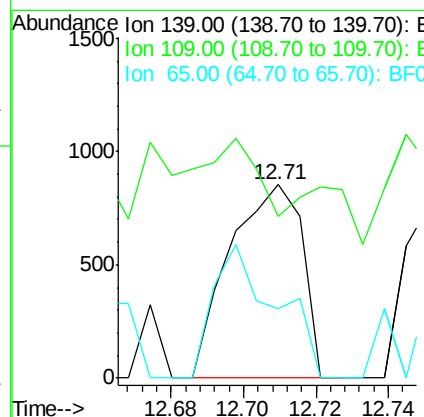
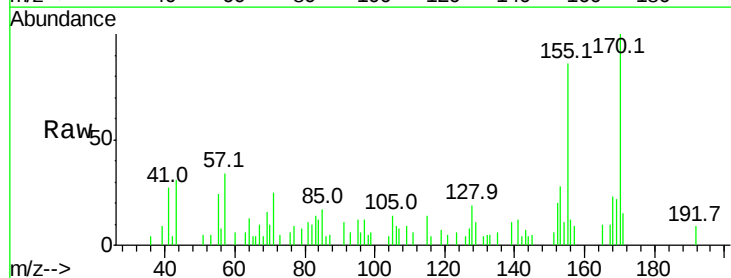
Instrument :
BNA_F
ClientSampleId :

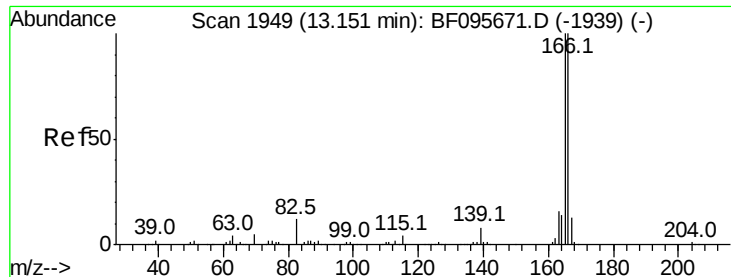
Tot Ion:168 Resp: 78113
Ion Ratio Lower Upper
168 100
139 34.7 30.6 45.8
169 13.3 10.8 16.2



#55
4-Nitrophenol
Concen: 5.57 ng
RT: 12.71 min Scan# 1908
Delta R.T. 0.06 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion:139 Resp: 1181
Ion Ratio Lower Upper
139 100
109 83.7 34.1 74.1#
65 35.7 31.4 71.4

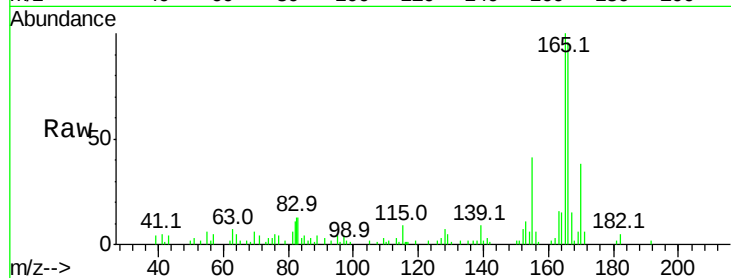




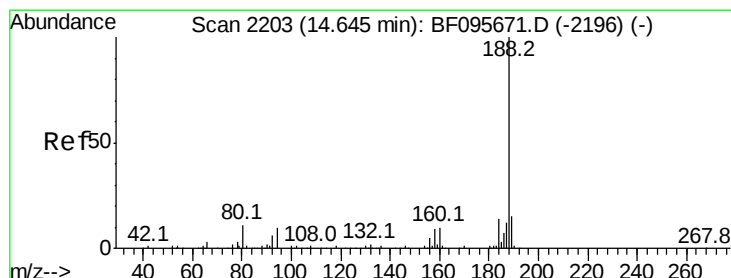
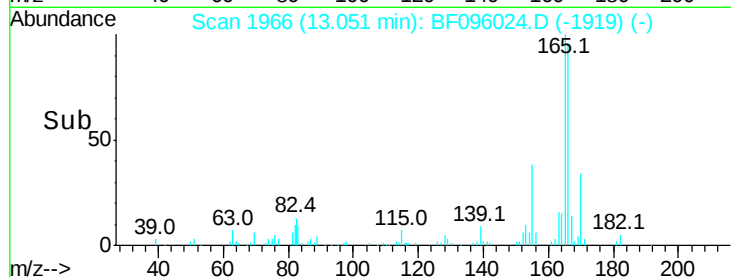
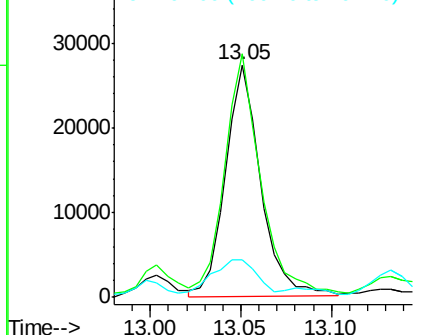
#57
Fluorene
 Concen: 4.52 ng
 RT: 13.05 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 36911
 Ion Ratio Lower Upper
 166 100
 165 104.6 78.8 118.2
 167 15.9 10.6 16.0

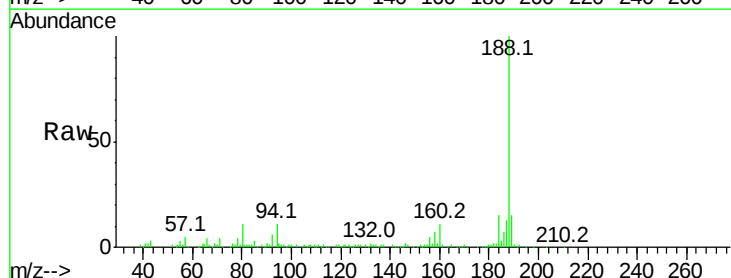


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

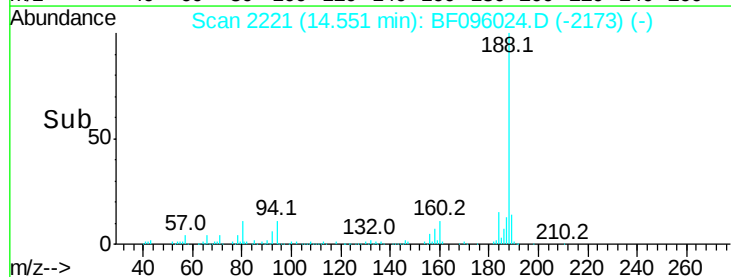
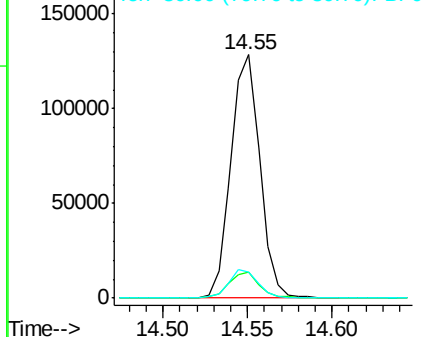


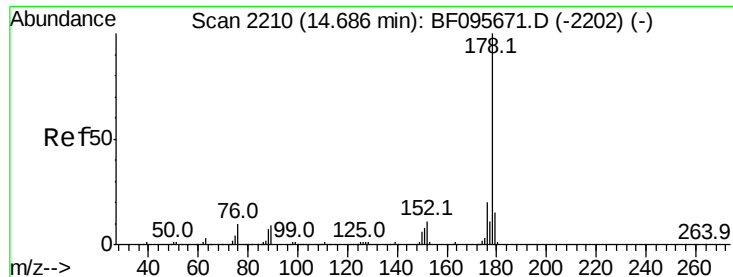
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.55 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Tgt Ion:188 Resp: 153325
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 10.6 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

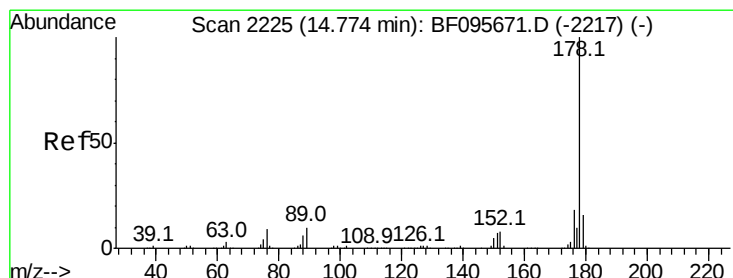
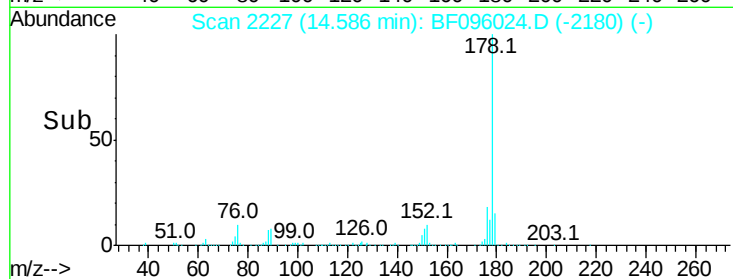
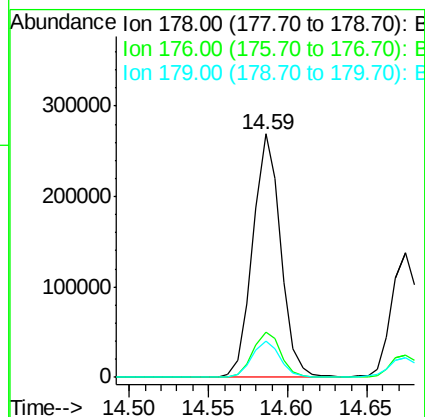
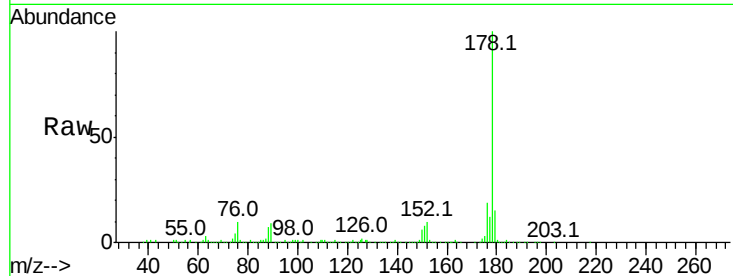




#70
Phenanthrene
Concen: 37.37 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

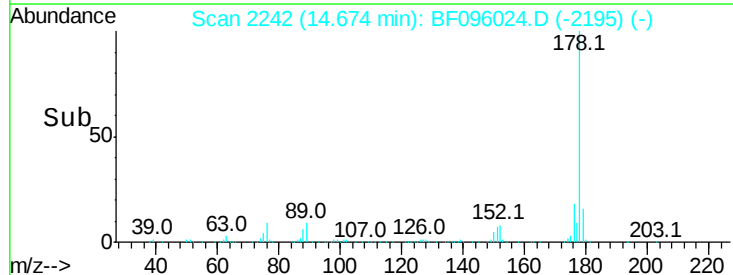
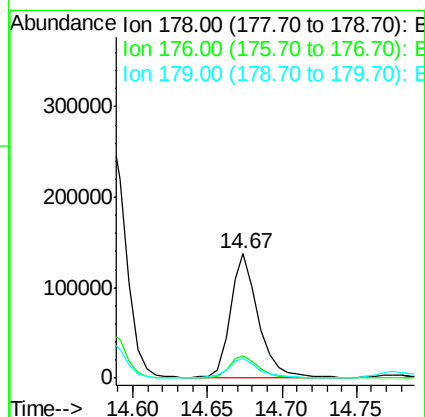
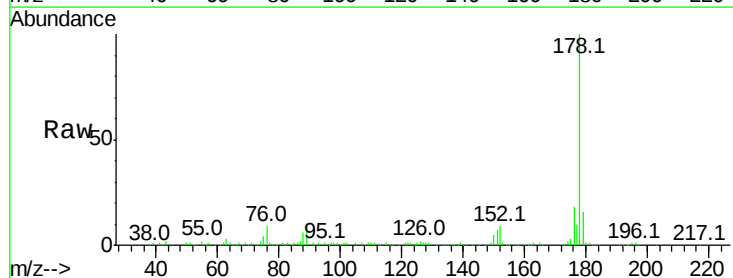
Instrument :
BNA_F
ClientSampleId :

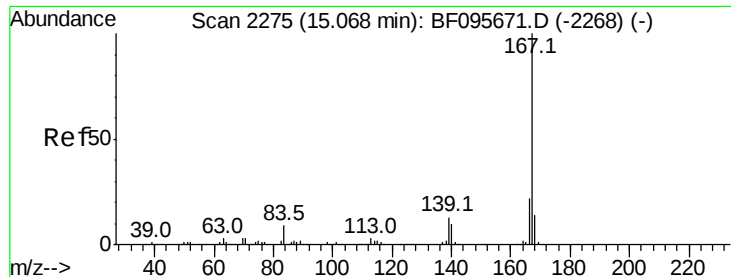
Tot Ion:178 Resp: 330636
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 14.7 12.6 19.0



#71
Anthracene
Concen: 19.31 ng
RT: 14.67 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF096024.D
Acq: 20 Jun 2017 3:02

Tgt Ion:178 Resp: 178373
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.8 12.7 19.1





#72

Carbazole

Concen: 4.90 ng

RT: 14.99 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

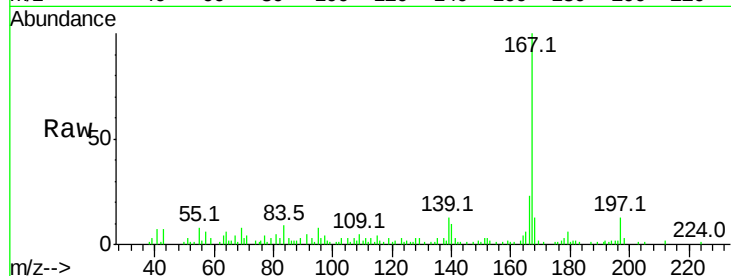
Tot Ion:167 Resp: 44087

Ion Ratio Lower Upper

167 100

166 22.9 18.1 27.1

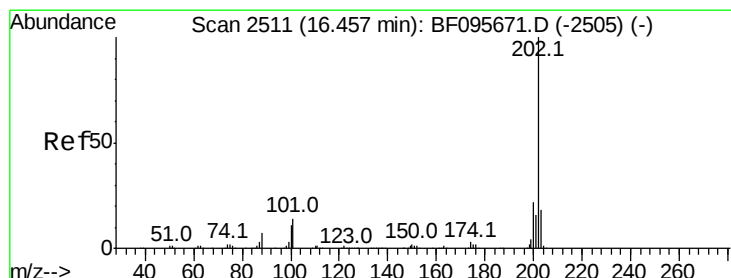
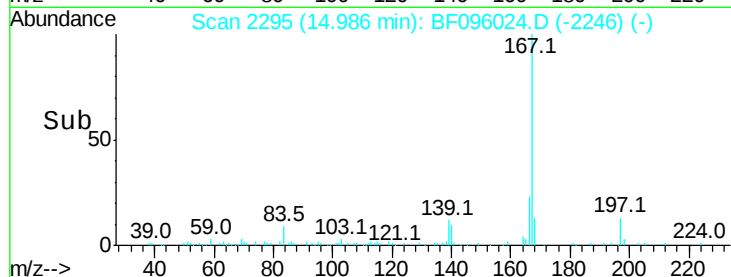
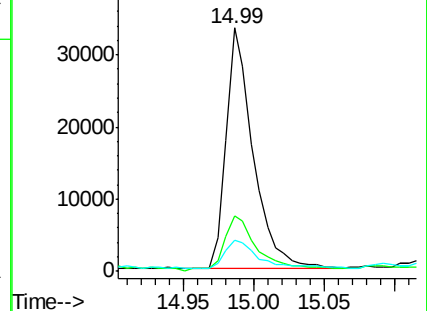
139 12.8 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 73.11 ng

RT: 16.38 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

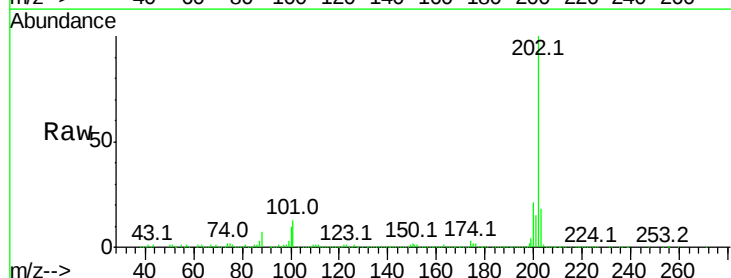
Tgt Ion:202 Resp: 640144

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

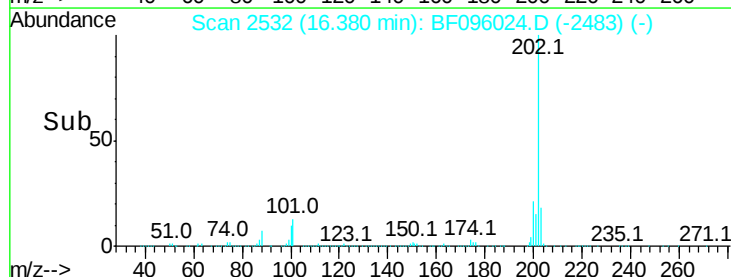
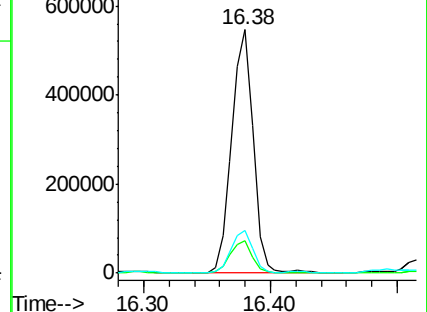
203 17.7 0.0 38.1

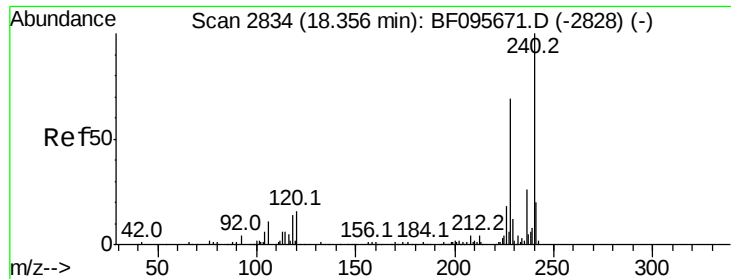


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

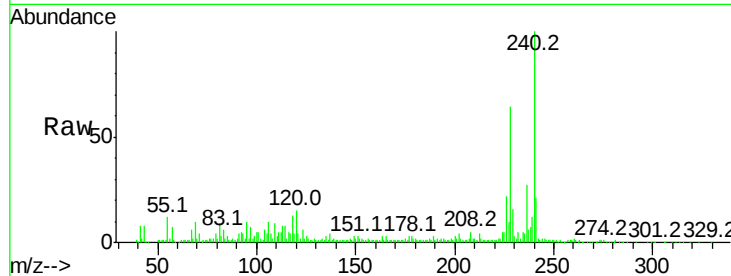
Tot Ion:240 Resp: 125067

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

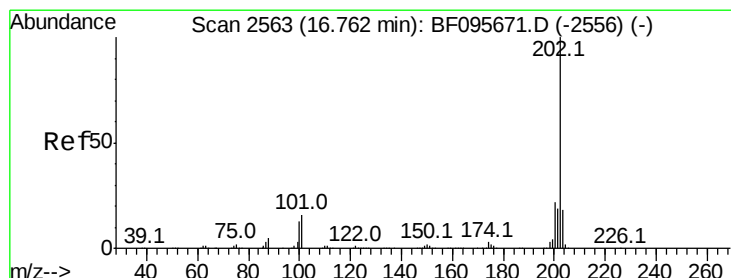
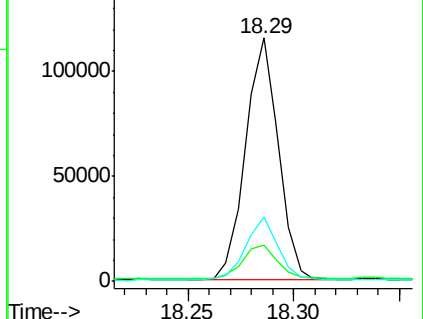
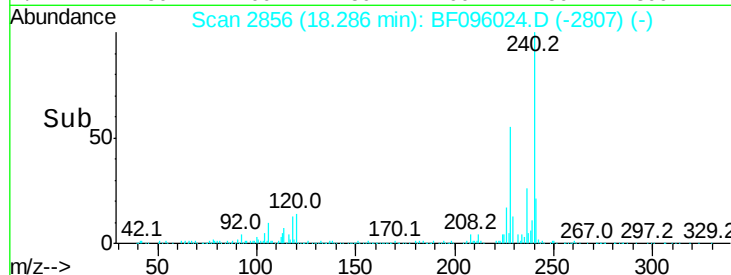
236 26.6 20.5 30.7



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



#77

Pyrene

Concen: 66.14 ng

RT: 16.68 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

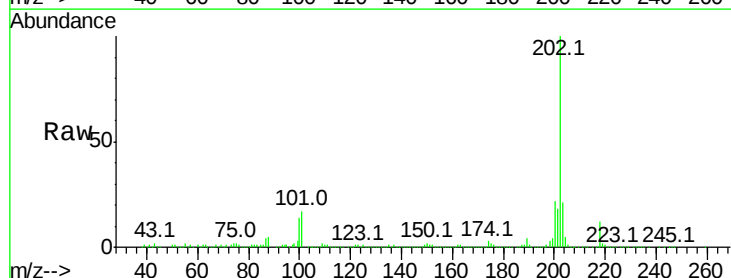
Tgt Ion:202 Resp: 617222

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

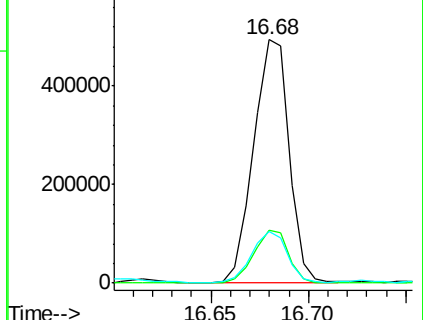
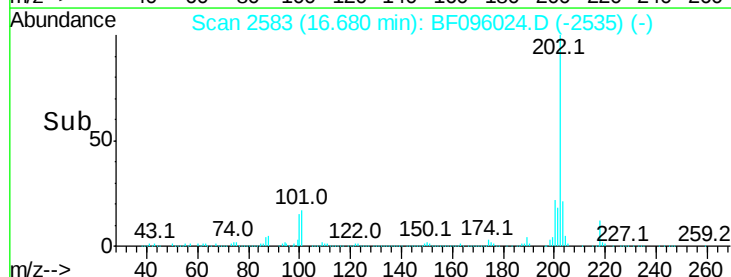
203 21.0 14.4 21.6

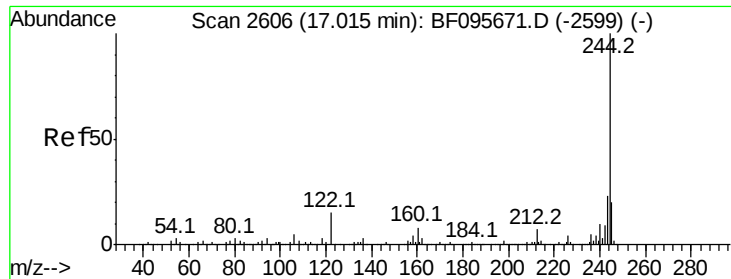


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.53 ng

RT: 16.93 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

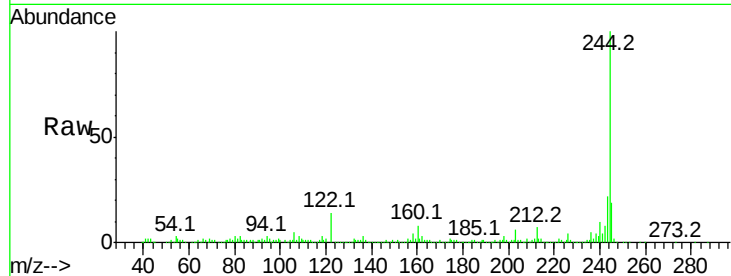
Tot Ion:244 Resp: 400769

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

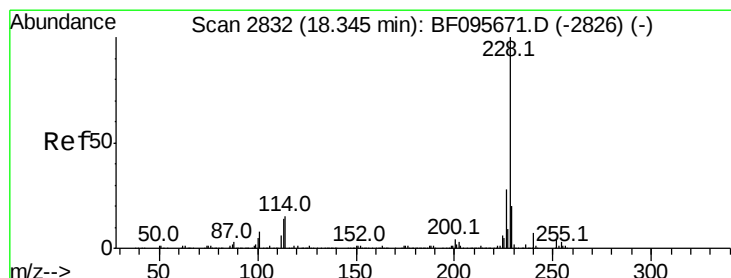
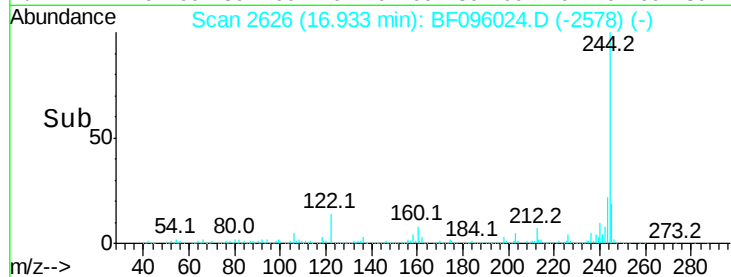
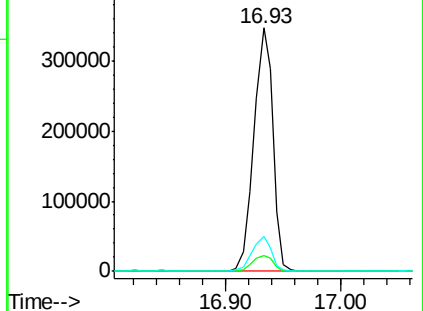
122 14.5 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 44.86 ng

RT: 18.32 min Scan# 2862

Delta R.T. 0.04 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

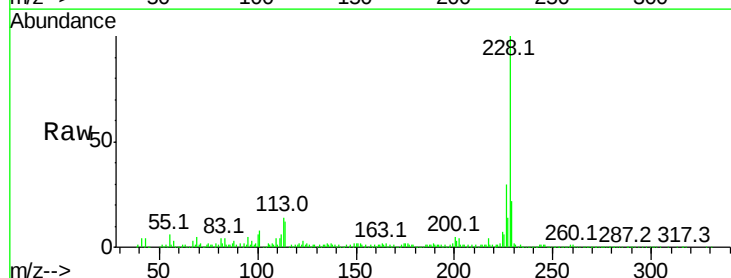
Tgt Ion:228 Resp: 326175

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

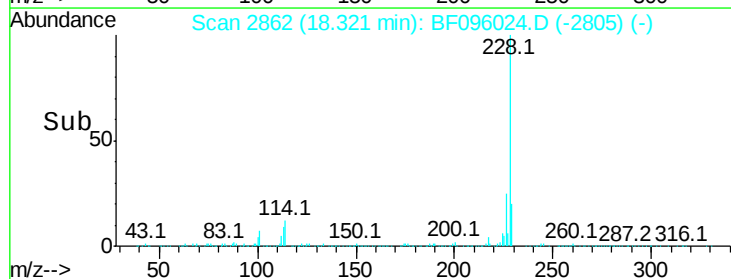
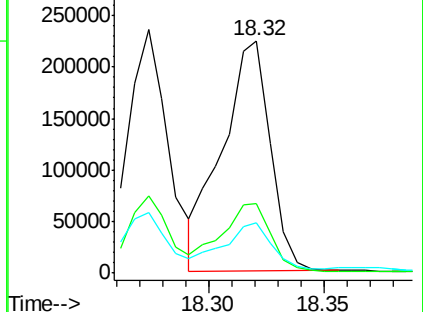
229 21.8 16.3 24.5

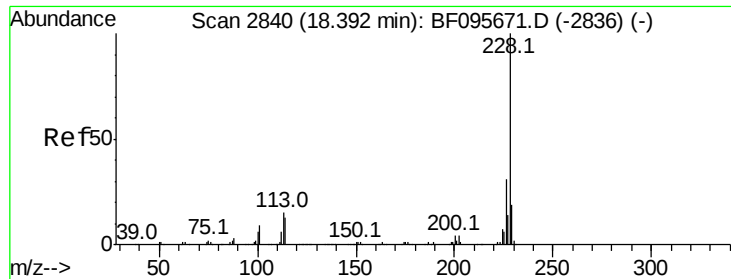


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 44.89 ng

RT: 18.32 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

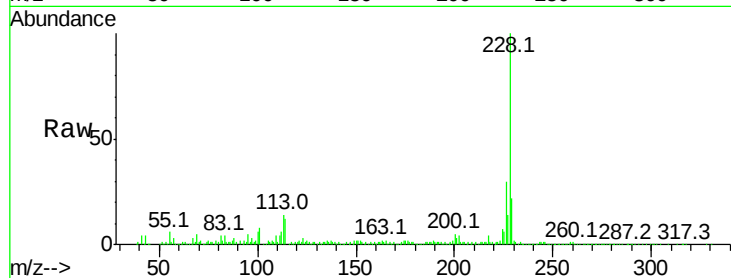
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 326175

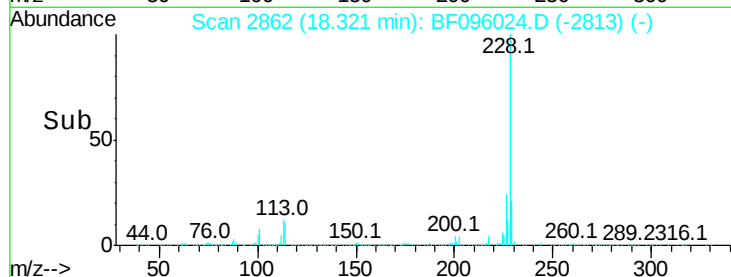
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.8	15.8	23.6



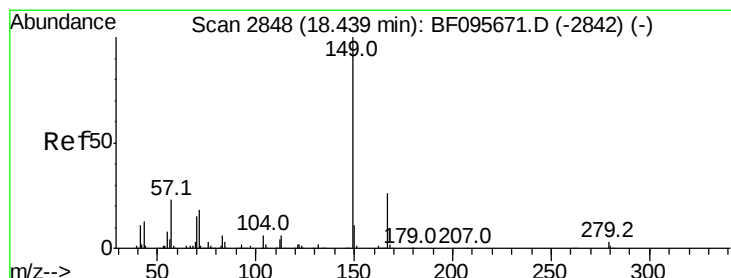
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.68 ng

RT: 18.36 min Scan# 2868

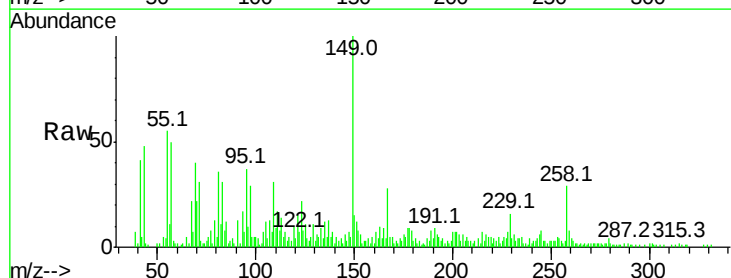
Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Tgt Ion:149 Resp: 32655

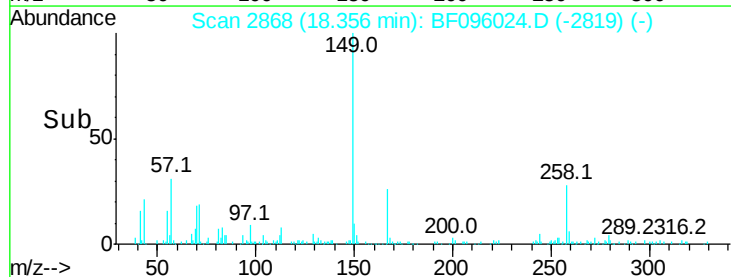
Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.0	31.4
279	3.7	1.9	2.9#



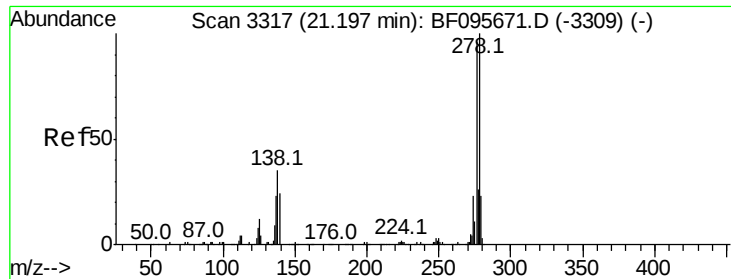
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



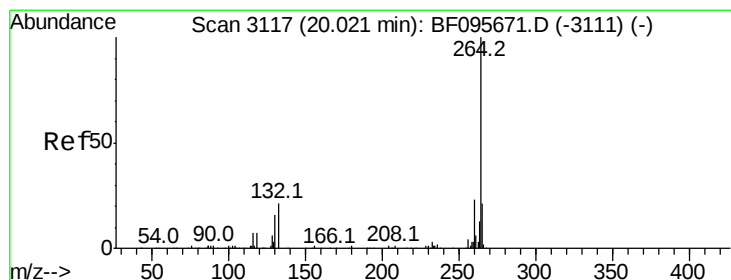
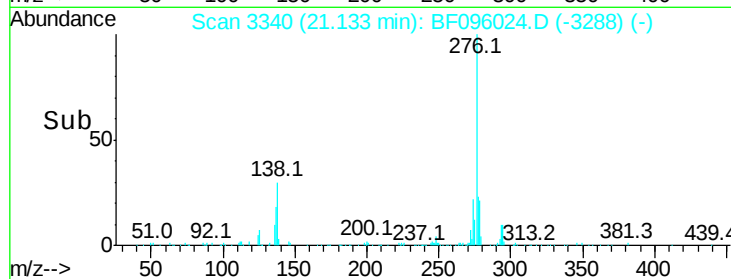
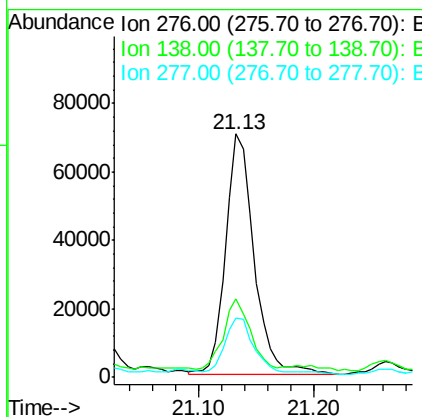
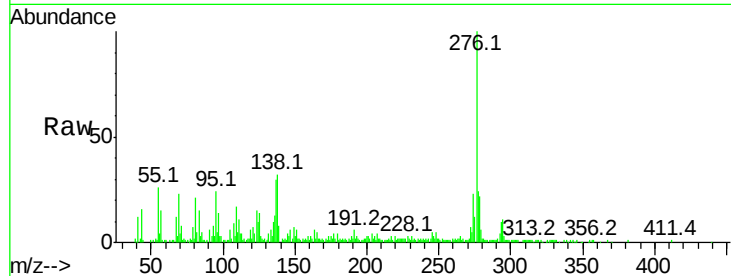
Time-->



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.34 ng
 RT: 21.13 min Scan# 3340
 Delta R.T. 0.01 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

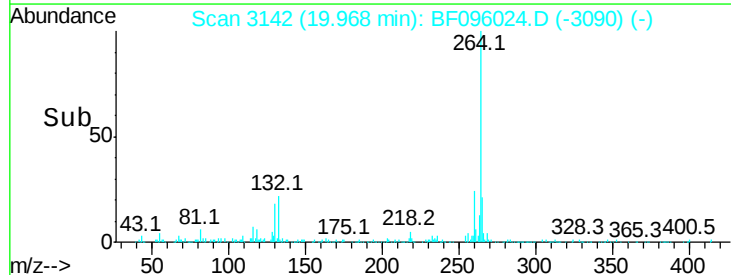
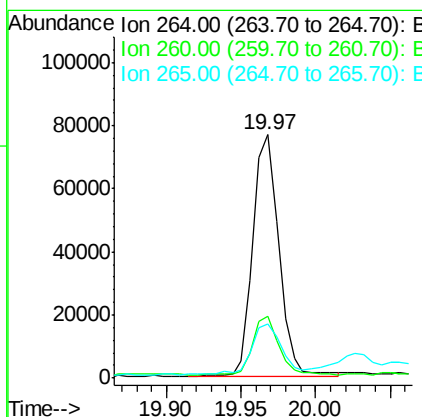
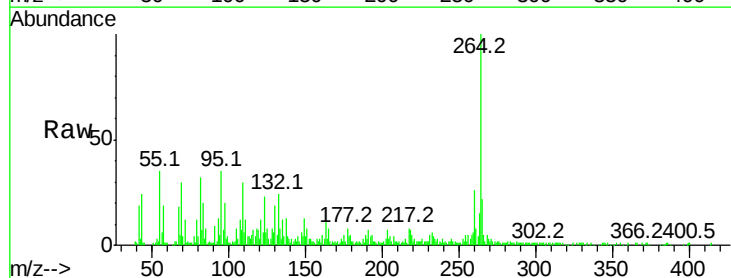
Instrument :
 BNA_F
 ClientSampleId :

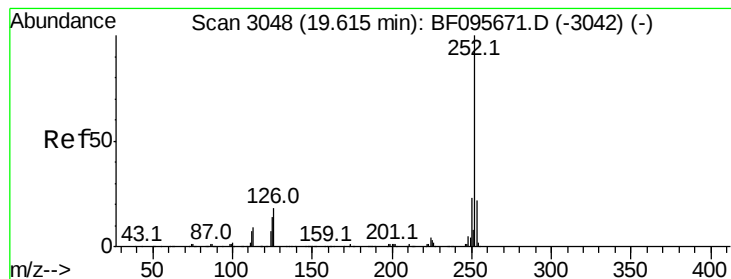
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	27.8	41.6#
277	24.6	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.97 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: BF096024.D
 Acq: 20 Jun 2017 3:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.5	29.3
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 85.09 ng

RT: 19.56 min Scan# 3073

Delta R.T. 0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

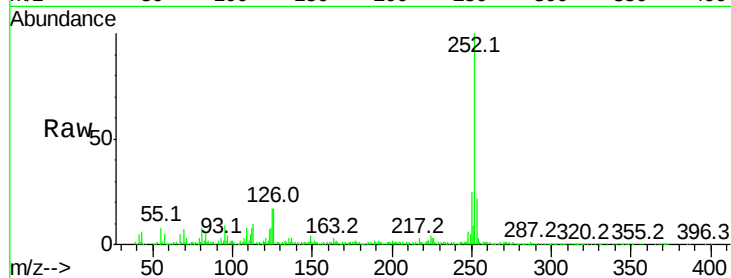
Tot Ion:252 Resp: 492002

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

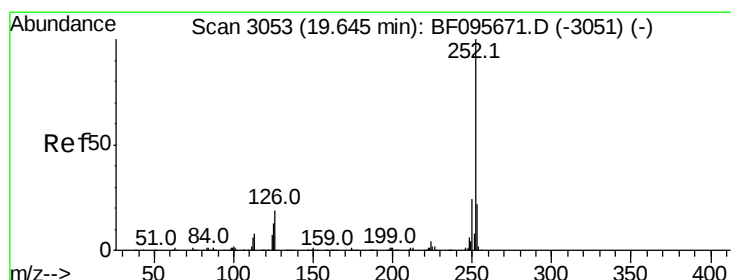
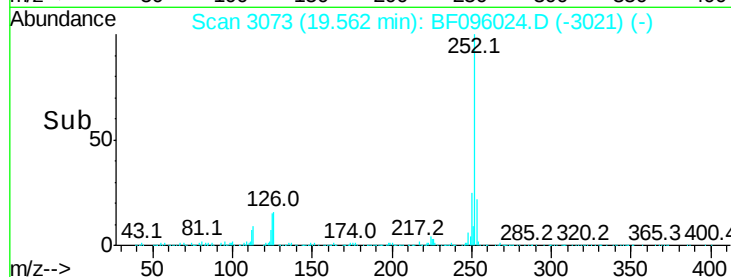
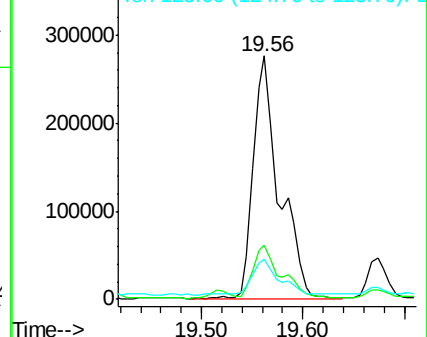
125 16.6 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 89.02 ng

RT: 19.56 min Scan# 3073

Delta R.T. -0.03 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

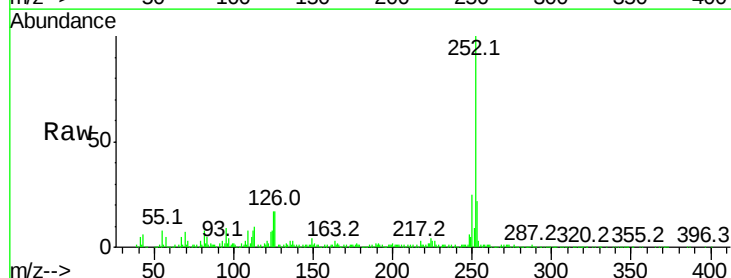
Tgt Ion:252 Resp: 492002

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

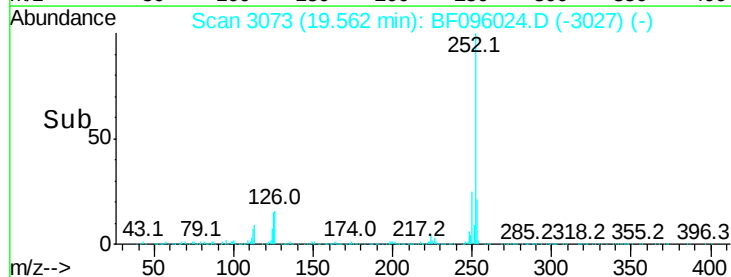
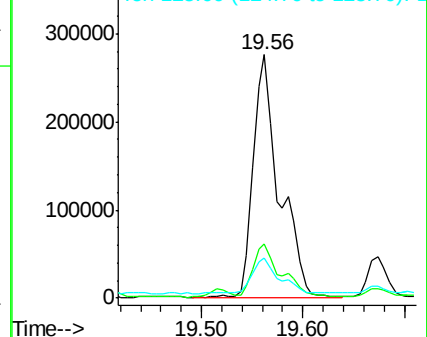
125 16.6 13.1 19.7

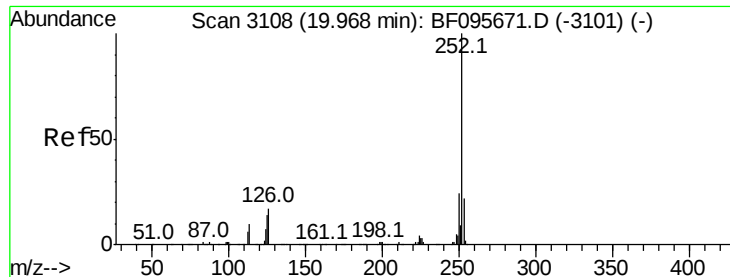


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 30.01 ng

RT: 19.91 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

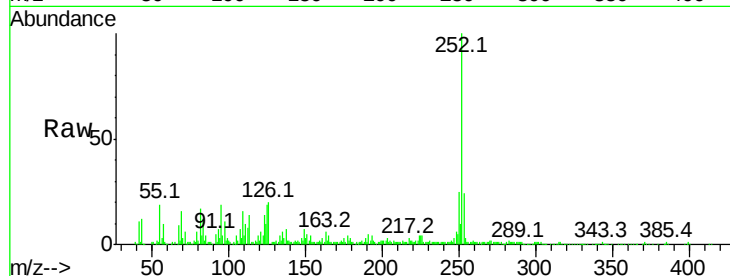
Tot Ion:252 Resp: 159482

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

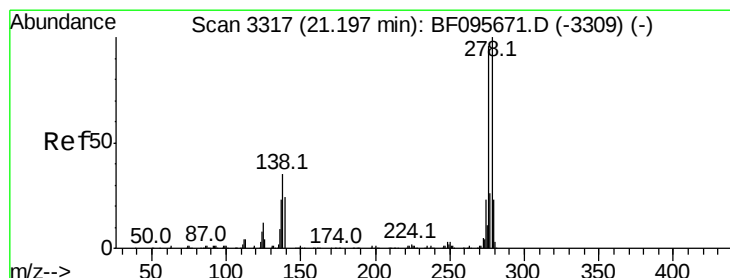
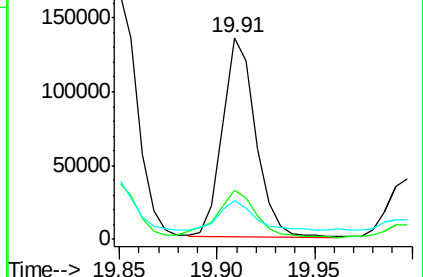
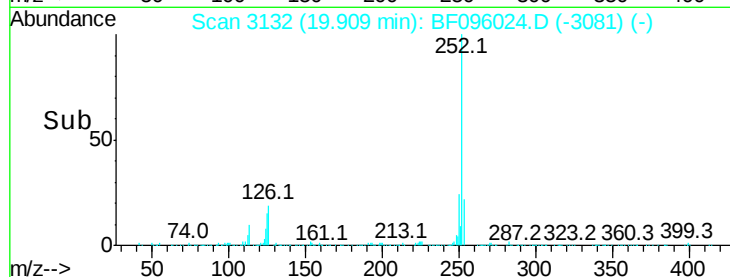
125 19.1 11.0 16.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 9.64 ng

RT: 21.12 min Scan# 3338

Delta R.T. -0.01 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

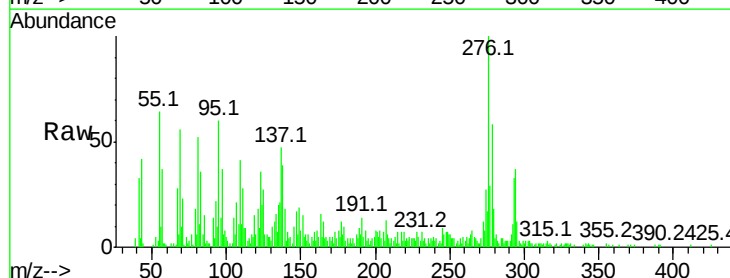
Tgt Ion:278 Resp: 43467

Ion Ratio Lower Upper

278 100

139 31.8 16.6 24.8#

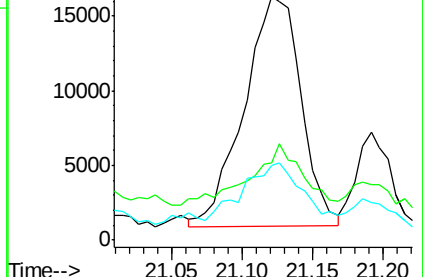
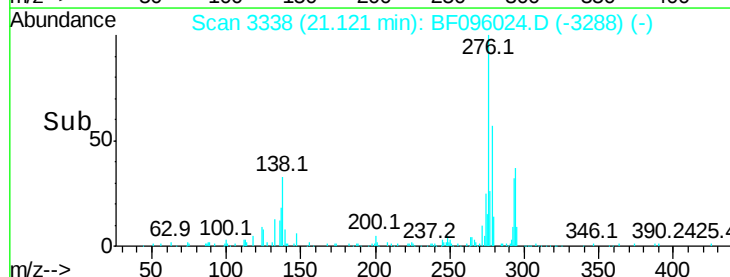
279 30.7 19.3 28.9#

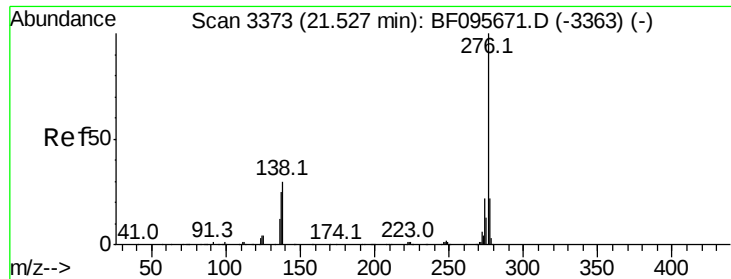


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 23.08 ng

RT: 21.46 min Scan# 3396

Delta R.T. 0.02 min

Lab File: BF096024.D

Acq: 20 Jun 2017 3:02

Instrument :

BNA_F

ClientSampleId :

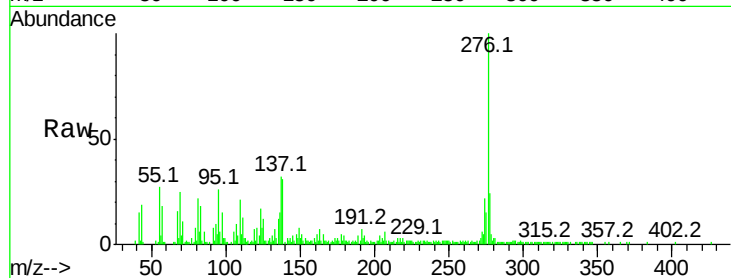
Tot Ion:276 Resp: 106078

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 31.0 25.4 38.0



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

