

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099873.D
 Acq On : 26 Oct 2017 21:11
 Operator : SJ/JU
 Sample : I6112-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 01:47:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	61709	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	250786	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	115700	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	209776	20.00	ng	0.00
75) Chrysene-d12	13.99	240	179216	20.00	ng	0.00
86) Perylene-d12	15.49	264	174139	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	363263	92.42	ng	0.00
7) Phenol-d6	6.44	99	443589	95.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	260274	66.82	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	91182	86.48	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	544738	72.64	ng	0.00
78) Terphenyl-d14	12.92	244	492775	60.09	ng	0.00

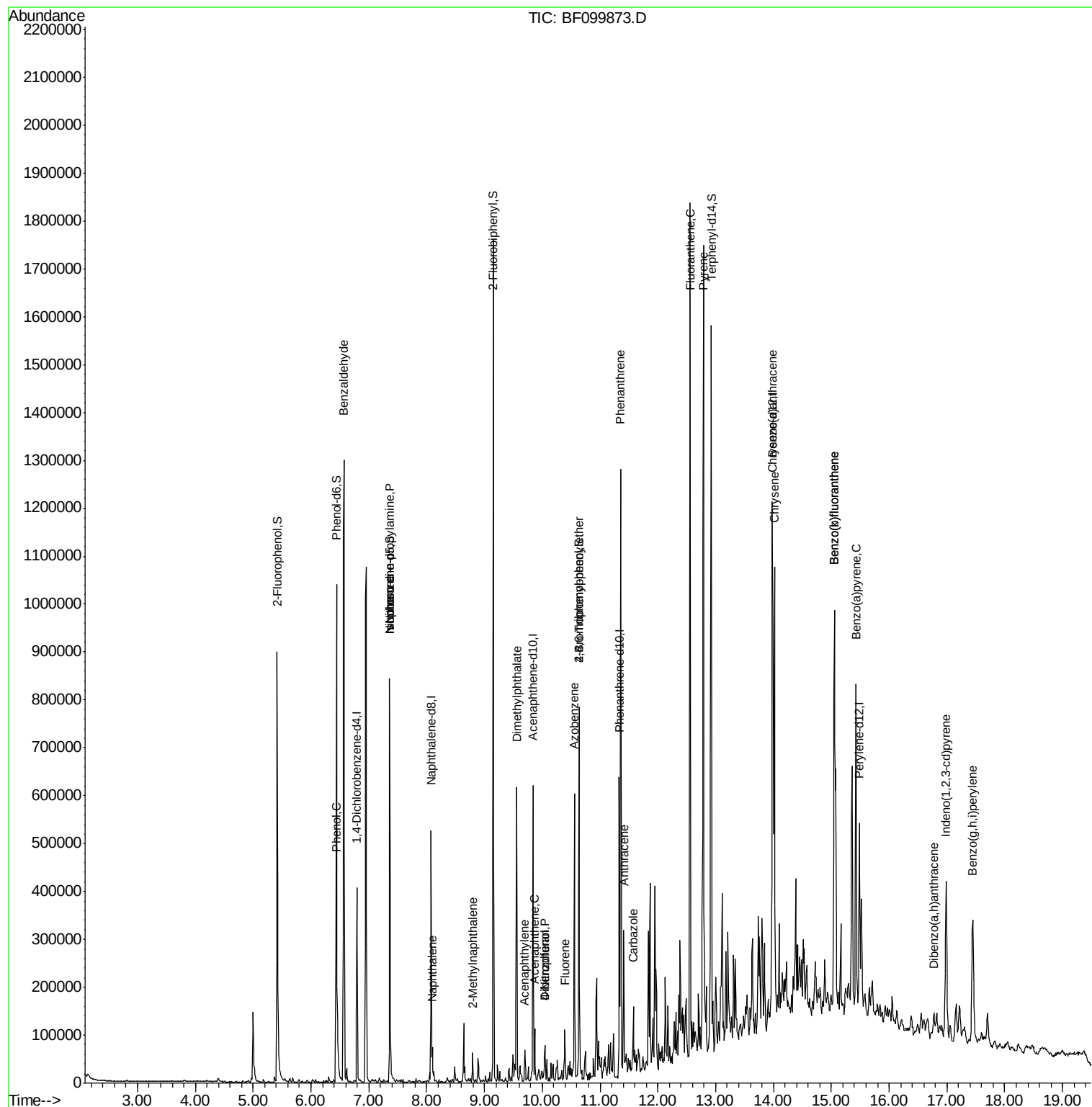
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	7158	2.57	ng	87
10) Phenol	6.45	94	24548	4.80	ng	88
19) n-Nitroso-di-n-propylamine	7.36	70	34227	12.53	ng	# 70
25) Isophorone	7.36	82	260274	36.82	ng	# 64
31) Naphthalene	8.10	128	30599	2.53	ng	100
37) 2-Methylnaphthalene	8.79	142	17855	2.20	ng	93
48) Acenaphthylene	9.70	152	25441	2.17	ng	98
49) Dimethylphthalate	9.56	163	253800	27.70	ng	99
51) Acenaphthene	9.87	154	22705	3.17	ng	96
54) Dibenzofuran	10.05	168	20234	2.00	ng	# 96
55) 4-Nitrophenol	10.05	139	7603	6.41	ng	# 11
57) Fluorene	10.39	166	30844	3.69	ng	99
62) Azobenzene	10.55	77	100311	13.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	6135	2.78	ng	# 1
70) Phenanthrene	11.36	178	478825	40.45	ng	98
71) Anthracene	11.41	178	112519	9.36	ng	98
72) Carbazole	11.57	167	49218	4.36	ng	96
74) Fluoranthene	12.56	202	704182	57.24	ng	98
77) Pyrene	12.79	202	697235	51.16	ng	99
80) Benzo(a)anthracene	13.98	228	412878	36.34	ng	99
82) Chrysene	14.02	228	371214	34.75	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	201544	20.55	ng	96
87) Benzo(b)fluoranthene	15.05	252	643935	58.56	ng	# 95
88) Benzo(k)fluoranthene	15.05	252	643506	62.06	ng	98
89) Benzo(a)pyrene	15.43	252	362502	36.70	ng	96
90) Dibenzo(a,h)anthracene	16.78	278	35262	4.02	ng	92
91) Benzo(g,h,i)perylene	17.44	276	195624	22.78	ng	96

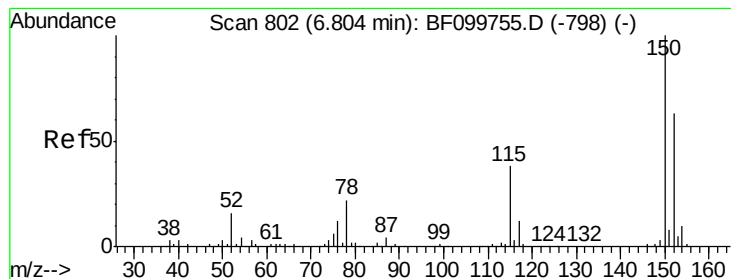
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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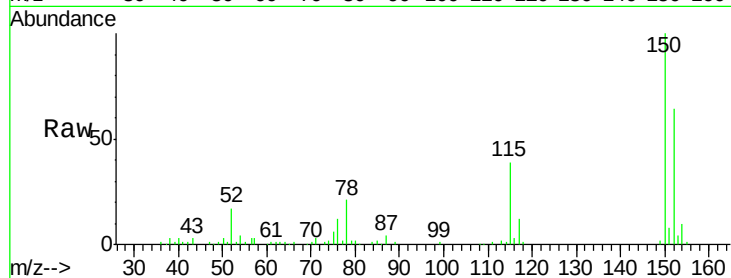


#1

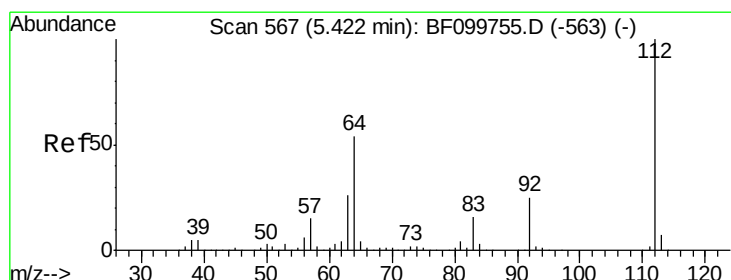
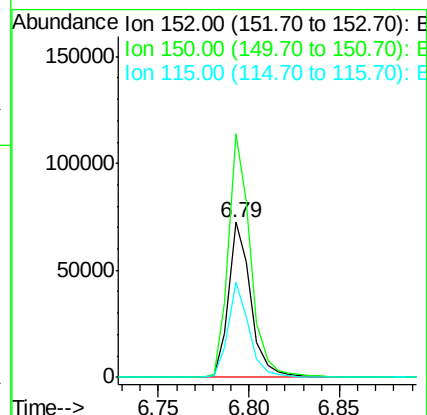
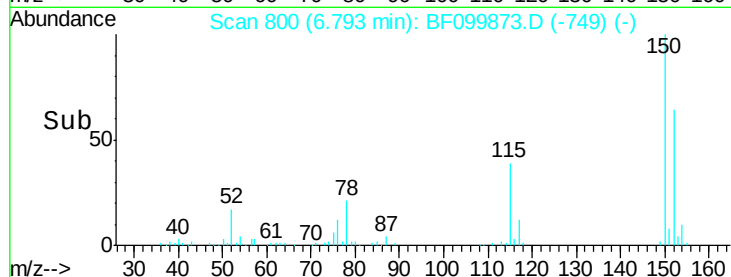
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61709
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 61.2 50.1 75.1



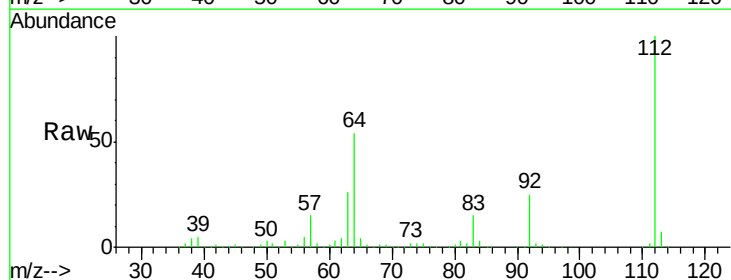
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



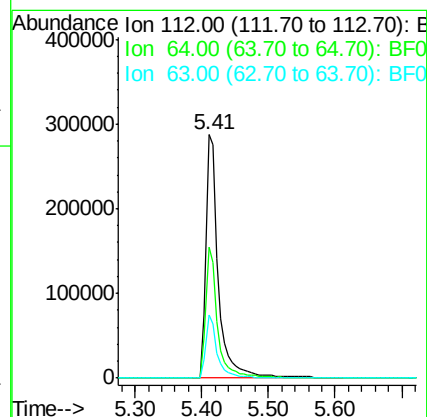
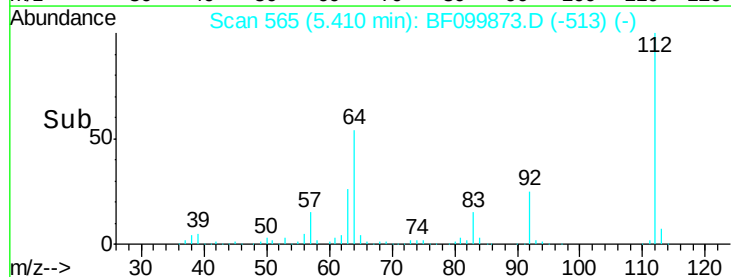
#5

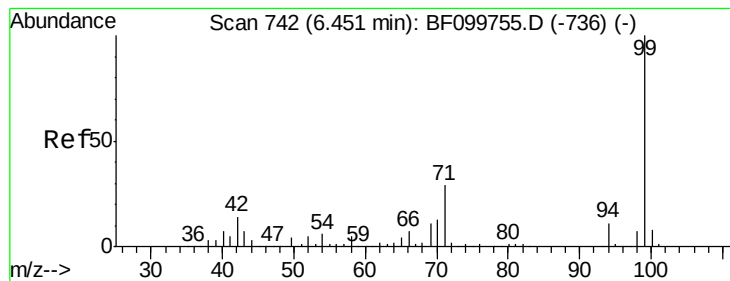
2-Fluorophenol
Concen: 92.42 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:112 Resp: 363263
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 25.8 23.7 35.5



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: 95.18 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

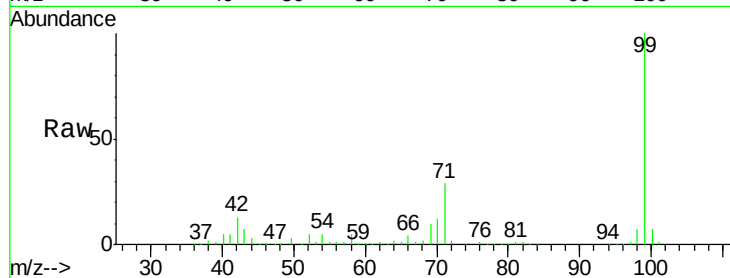
Tot Ion: 99 Resp: 443589

Ion Ratio Lower Upper

99 100

42 13.4 14.5 21.7#

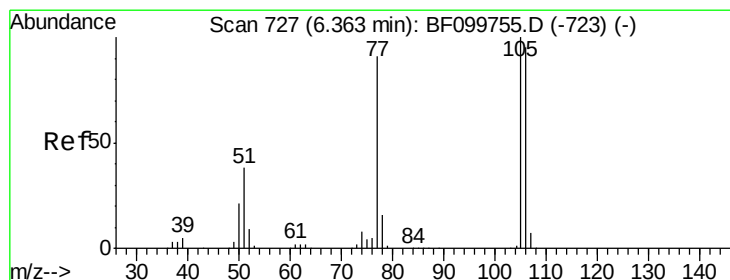
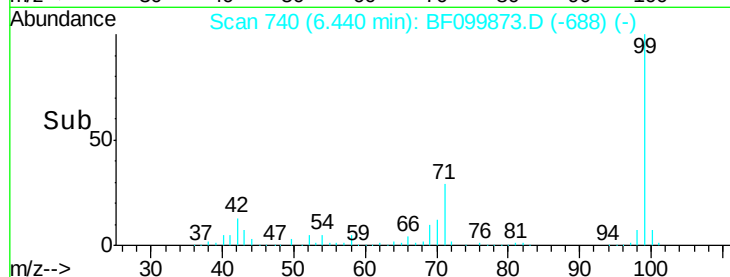
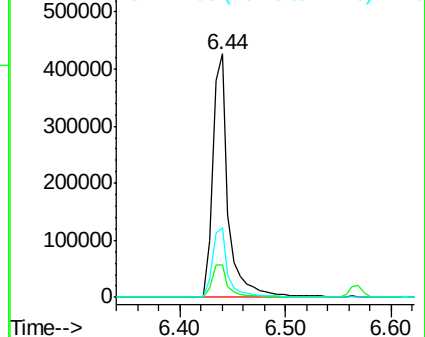
71 28.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.57 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.22 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

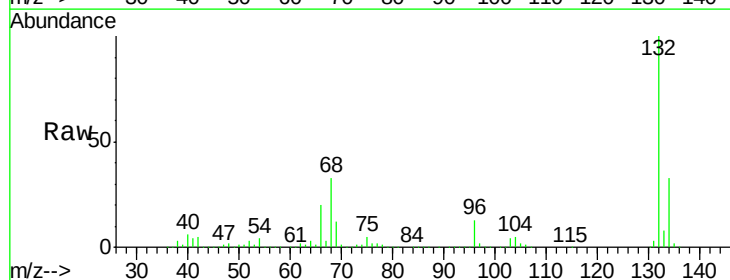
Tgt Ion: 77 Resp: 7158

Ion Ratio Lower Upper

77 100

105 86.6 81.1 121.1

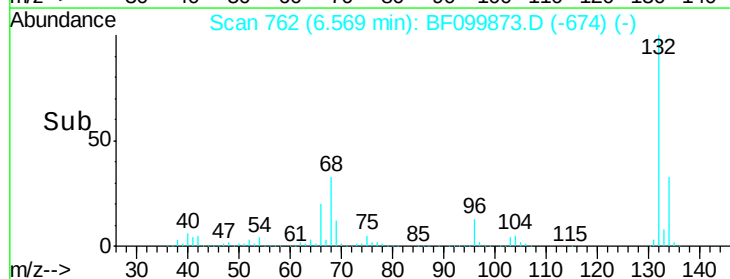
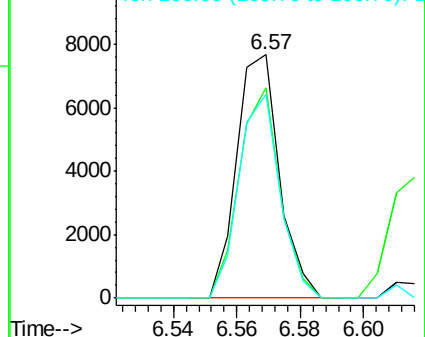
106 83.8 74.5 114.5

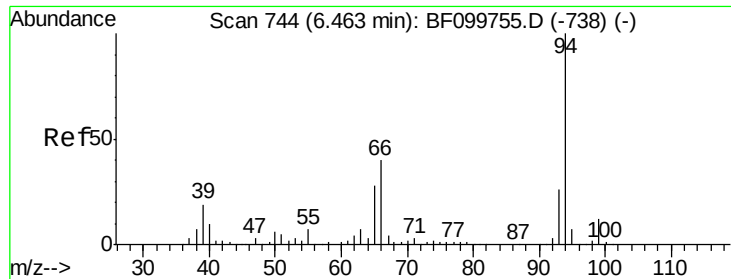


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

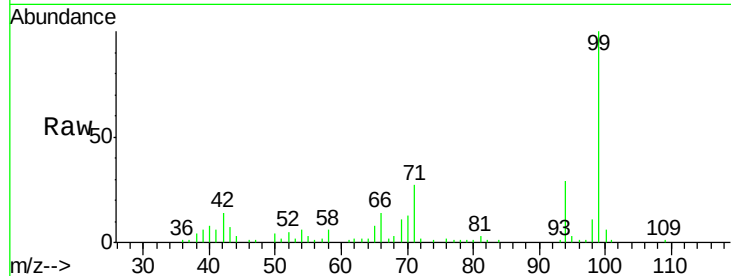




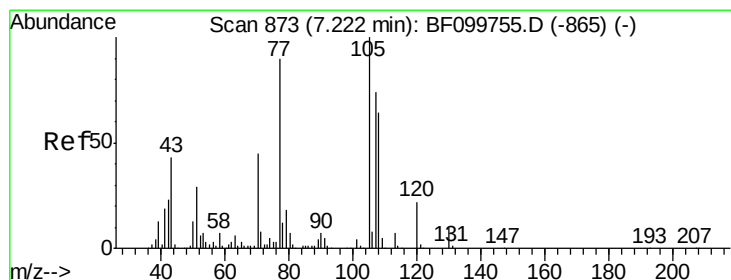
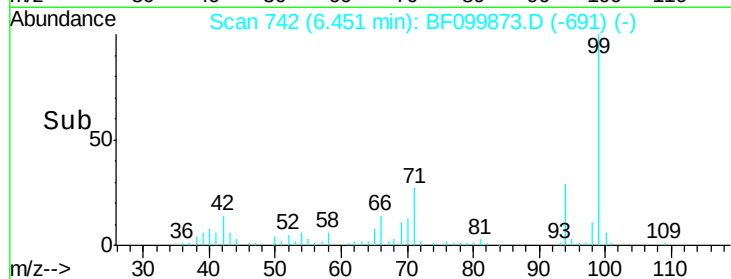
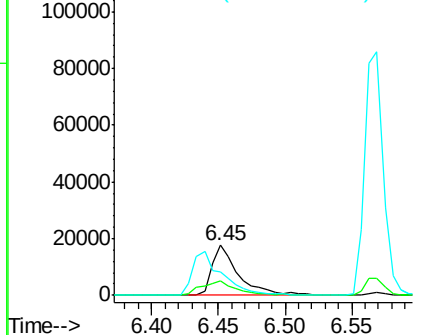
#10
Phenol
Concen: 4.80 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 24548
Ion Ratio Lower Upper
94 100
65 28.9 7.9 47.9
66 47.5 16.2 56.2

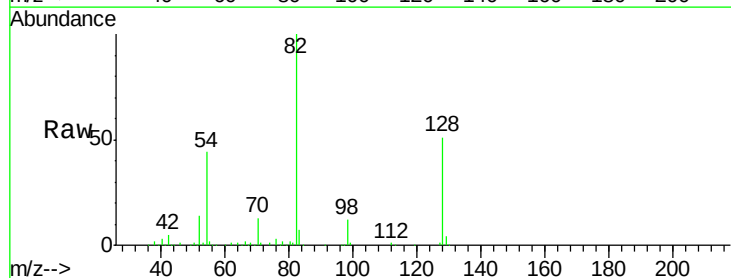


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

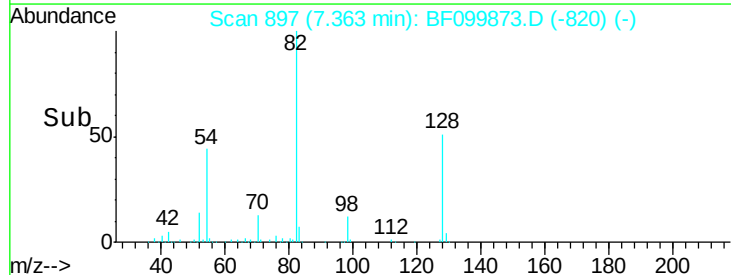
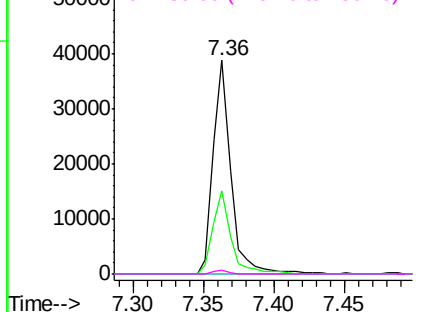


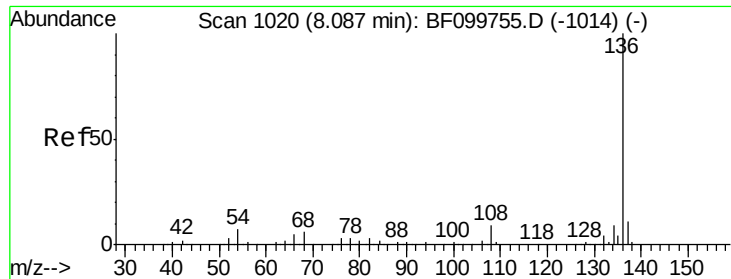
#19
n-Nitroso-di-n-propylamine
Concen: 12.53 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion: 70 Resp: 34227
Ion Ratio Lower Upper
70 100
42 38.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

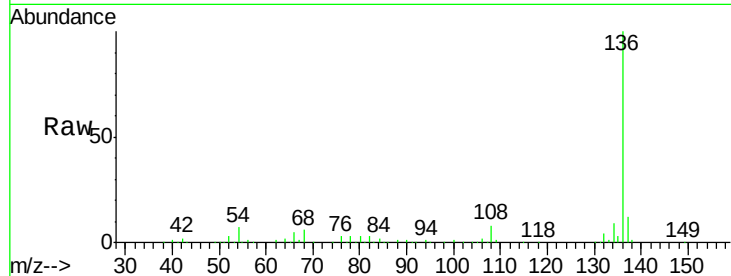




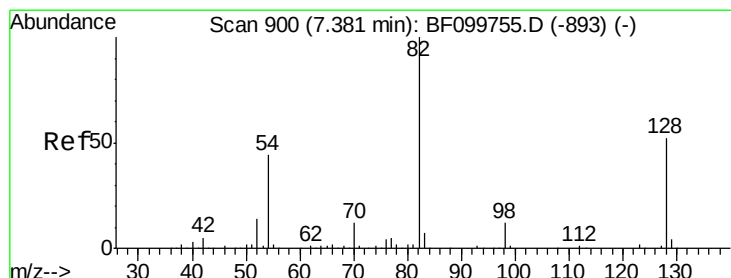
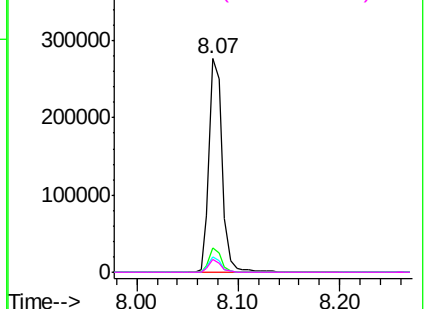
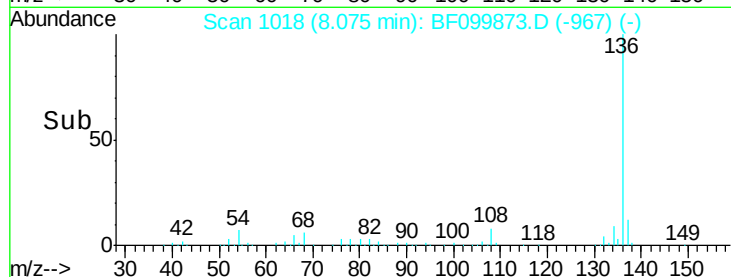
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	250786
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.9	13.3
54 7.1	6.6	9.8
68 6.2	5.0	7.4

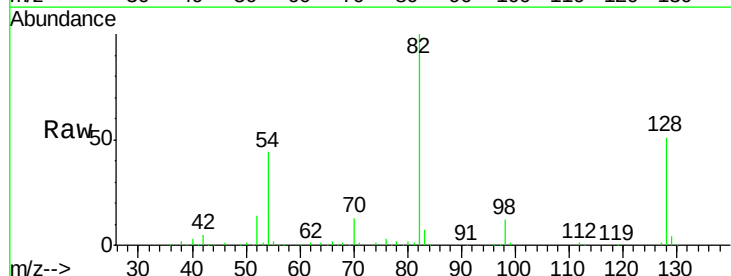


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

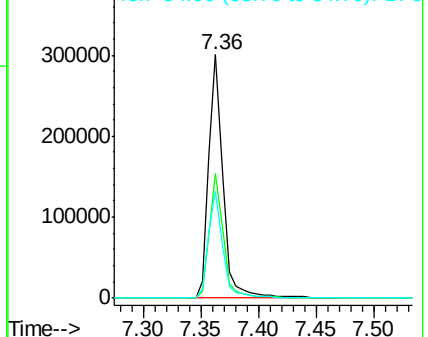
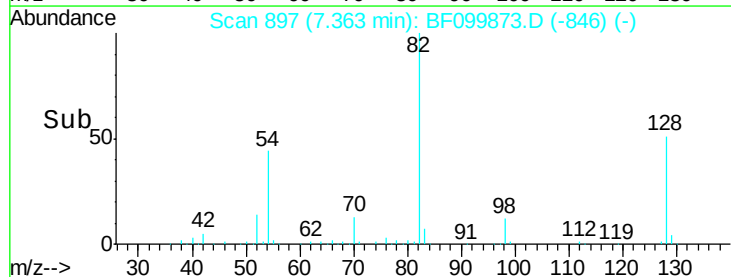


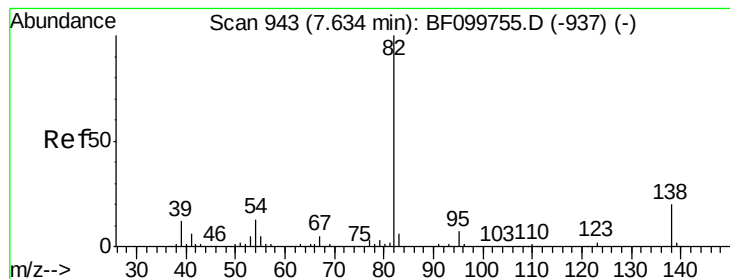
#23
Nitrobenzene-d5
Concen: 66.82 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion: 82	Resp: 260274
Ion Ratio	Lower Upper
82 100	
128 51.1	36.1 54.1
54 44.1	41.4 62.2



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





#25

Isophorone

Concen: 36.82 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

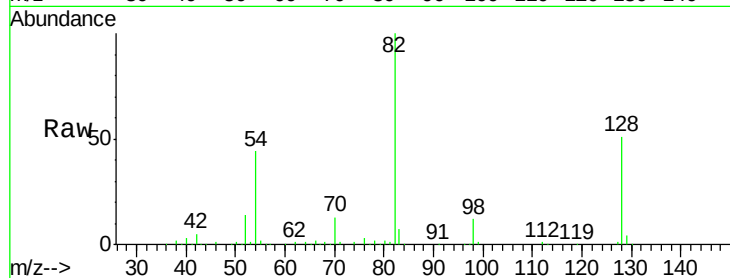
Tot Ion: 82 Resp: 260274

Ion Ratio Lower Upper

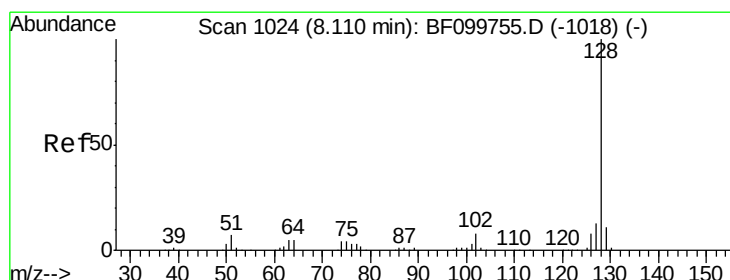
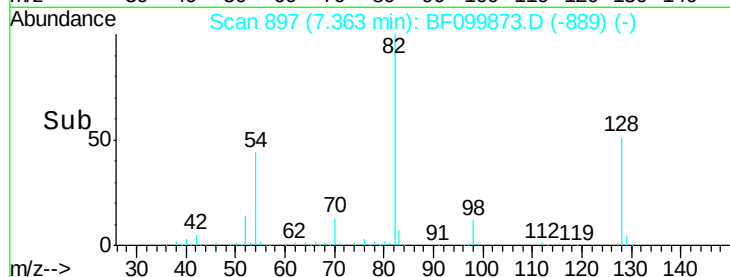
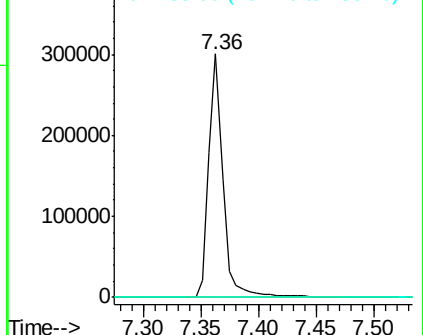
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 2.53 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

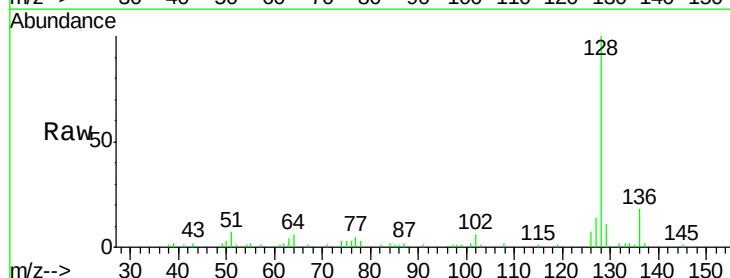
Tgt Ion: 128 Resp: 30599

Ion Ratio Lower Upper

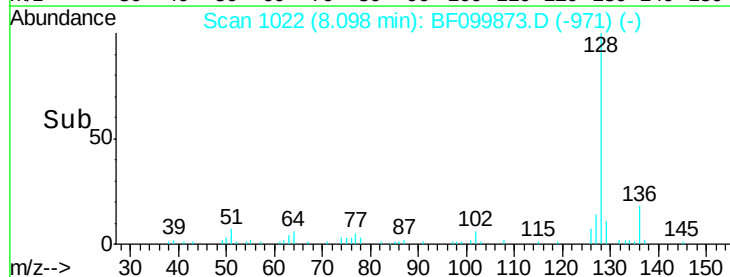
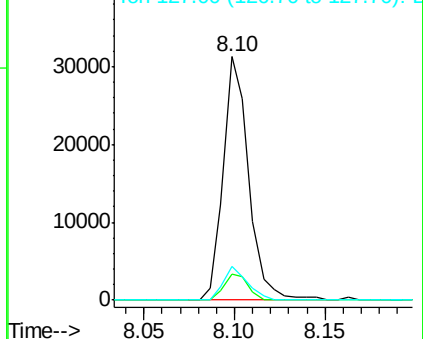
128 100

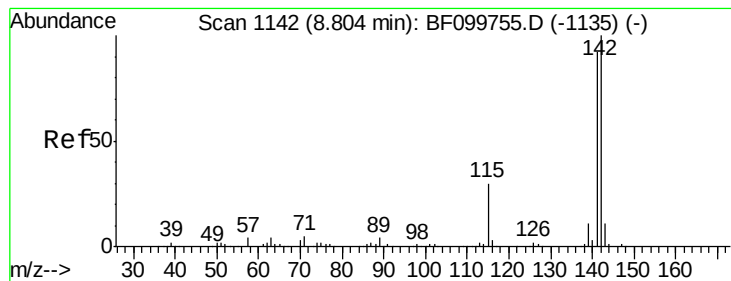
129 10.9 8.8 13.2

127 13.9 10.9 16.3



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





#37

2-Methylnaphthalene

Concen: 2.20 ng

RT: 8.79 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampled :

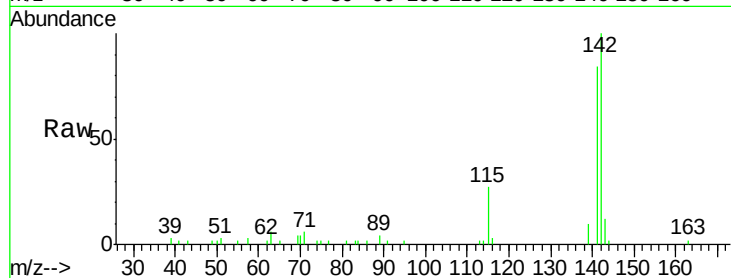
Tot Ion:142 Resp: 17855

Ion Ratio Lower Upper

142 100

141 83.6 70.8 106.2

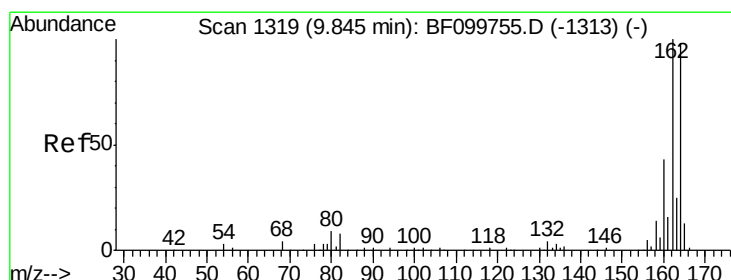
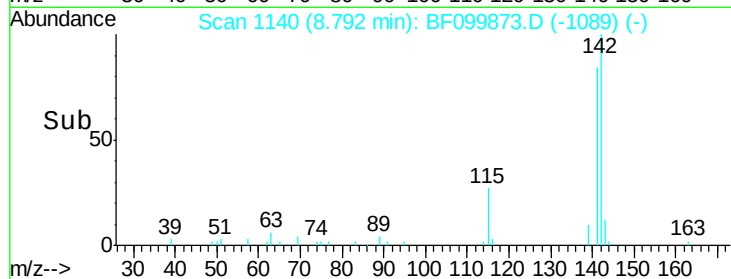
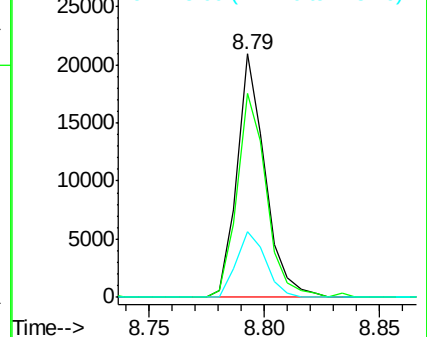
115 26.9 26.1 39.1



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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

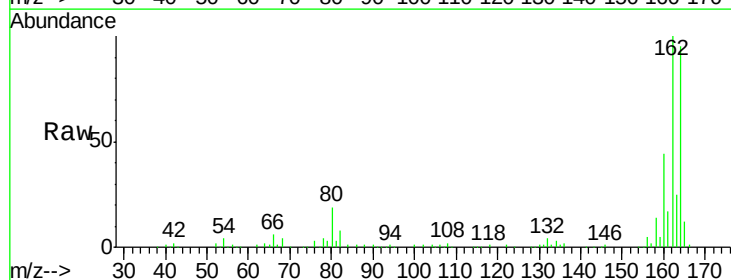
Tgt Ion:164 Resp: 115700

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

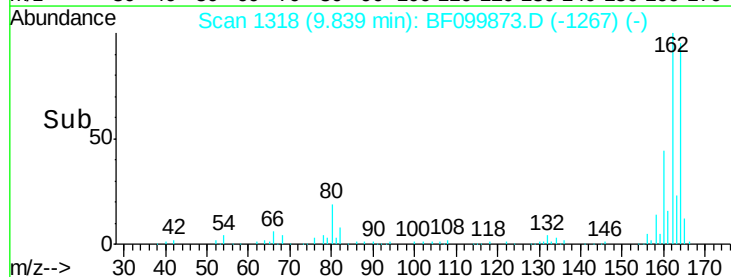
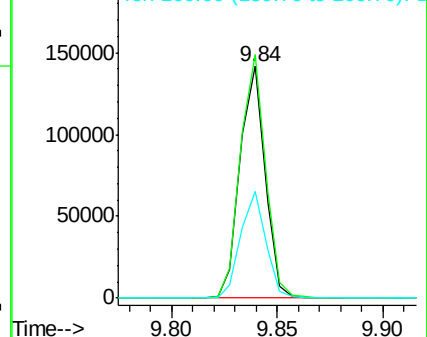
160 46.1 38.3 57.5

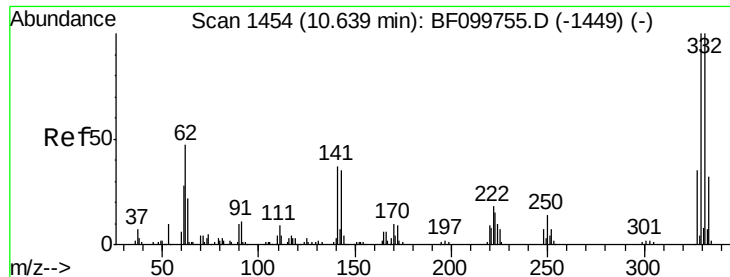


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 86.48 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

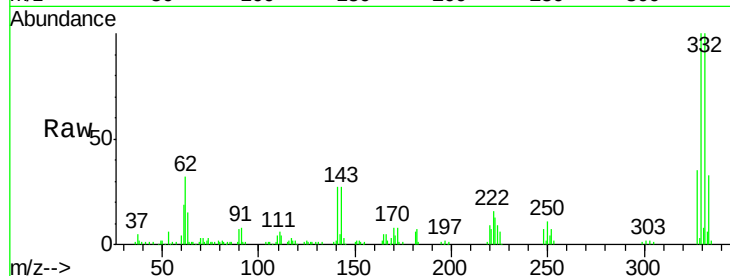
Tot Ion:330 Resp: 91182

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

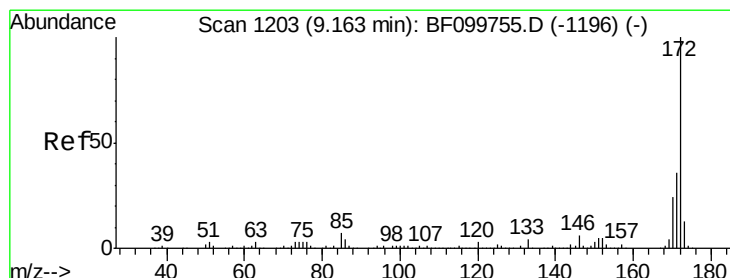
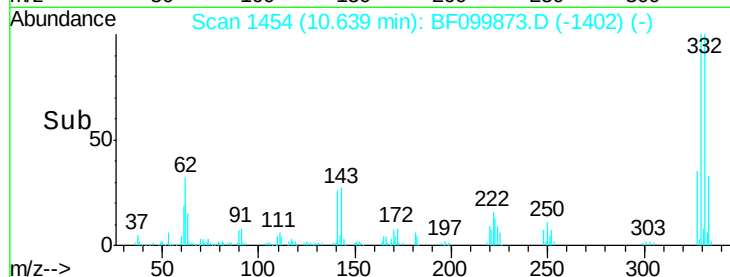
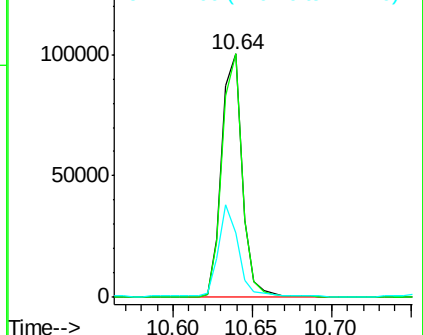
141 38.8 29.9 44.9



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: 72.64 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

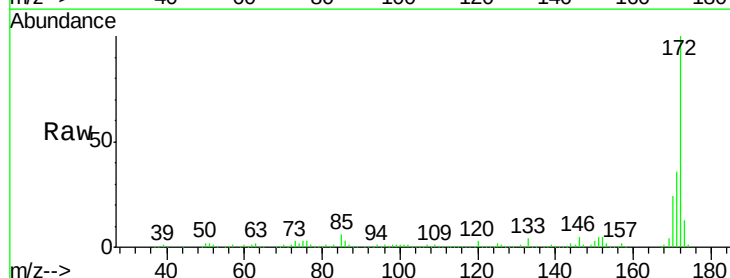
Tgt Ion:172 Resp: 544738

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

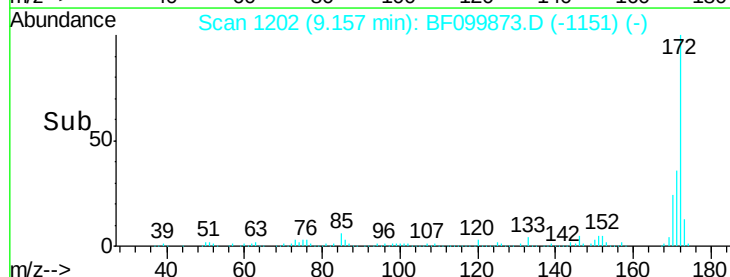
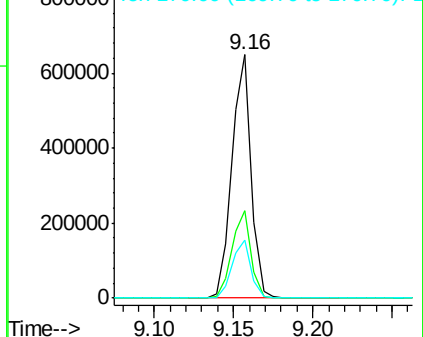
170 23.8 19.6 29.4

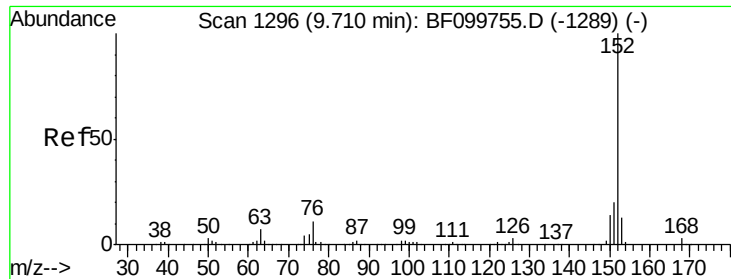


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

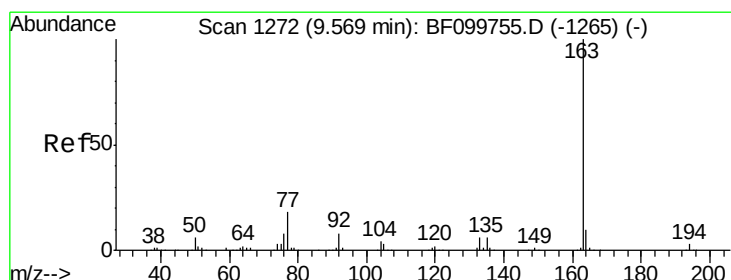
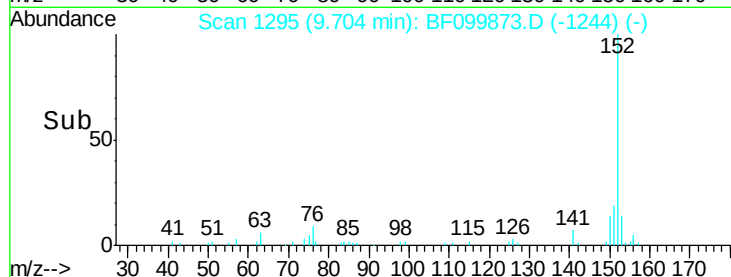
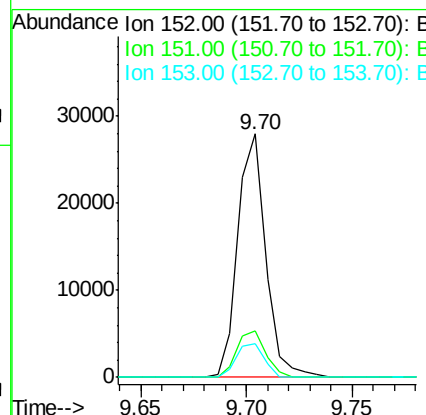
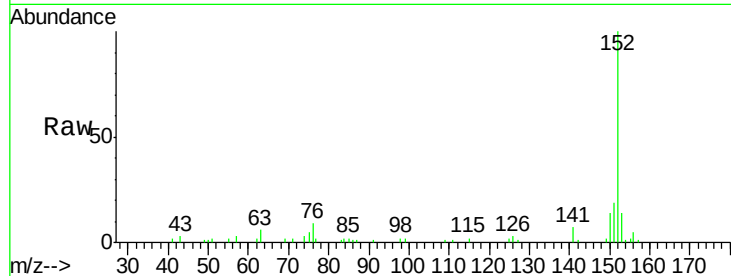




#48
Acenaphthylene
Concen: 2.17 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

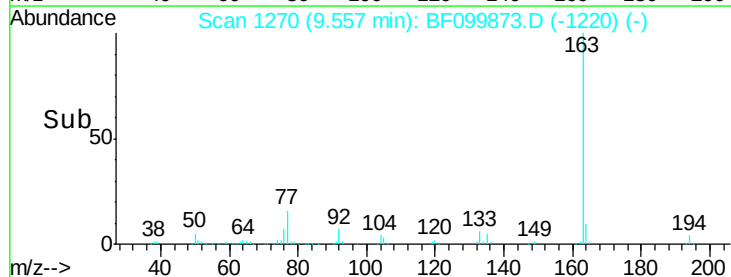
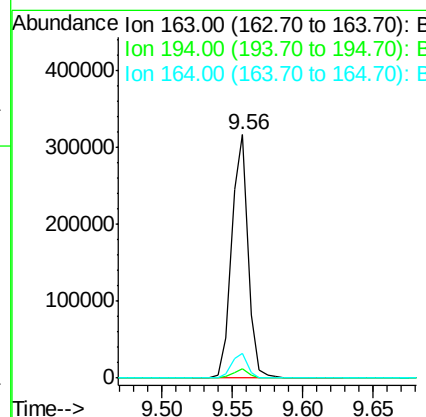
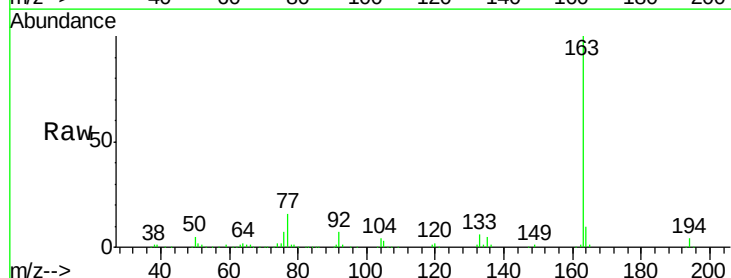
Instrument :
BNA_F
ClientSampleId :

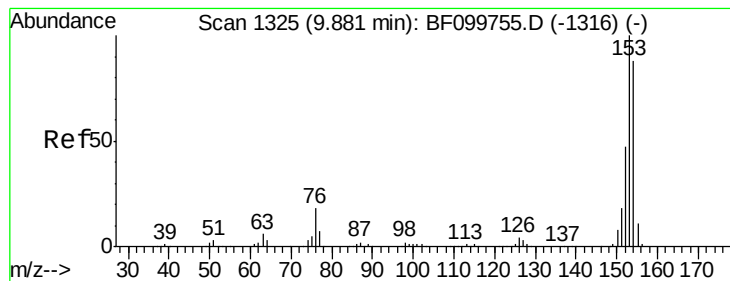
Tot Ion:152 Resp: 25441
Ion Ratio Lower Upper
152 100
151 19.0 16.3 24.5
153 13.9 10.7 16.1



#49
Dimethylphthalate
Concen: 27.70 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:163 Resp: 253800
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.3 8.2 12.2





#51

Acenaphthene

Concen: 3.17 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

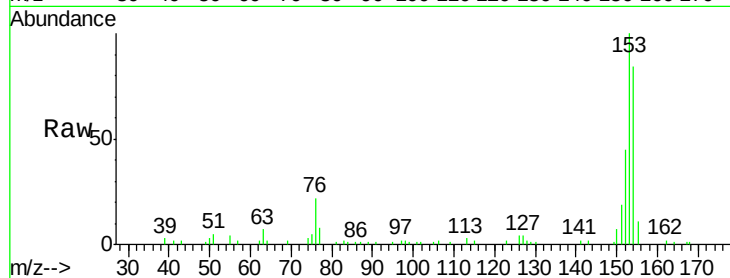
Tot Ion:154 Resp: 22705

Ion Ratio Lower Upper

154 100

153 119.1 91.2 136.8

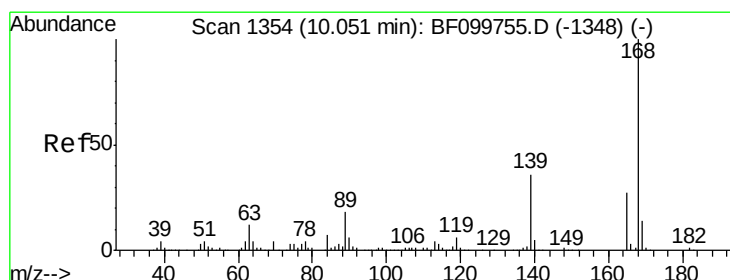
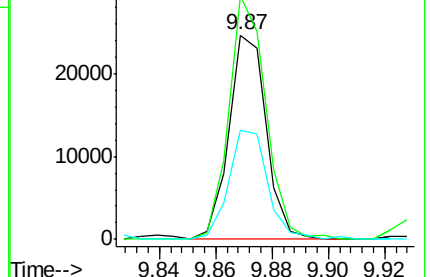
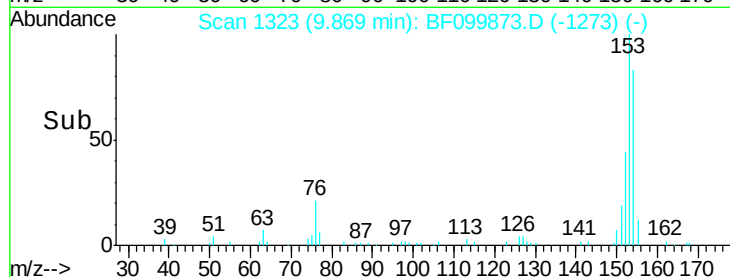
152 53.6 43.8 65.8



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



#54

Dibenzofuran

Concen: 2.00 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

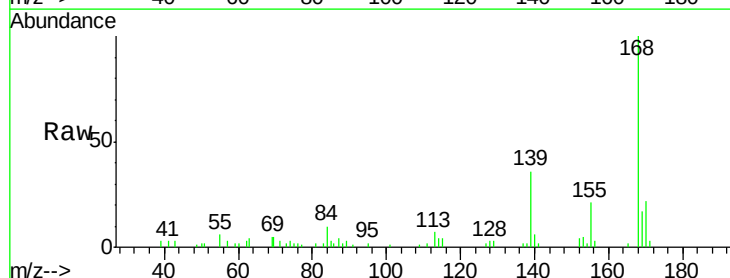
Tgt Ion:168 Resp: 20234

Ion Ratio Lower Upper

168 100

139 36.3 30.1 45.1

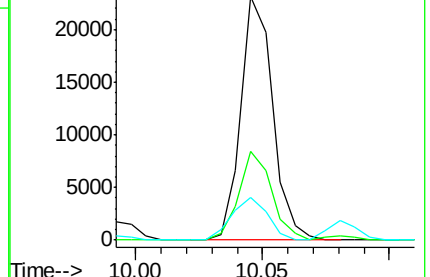
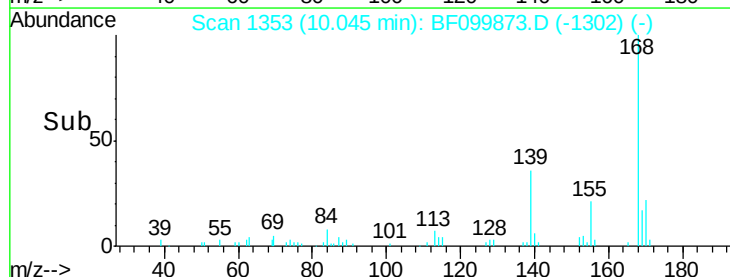
169 17.4 10.9 16.3#

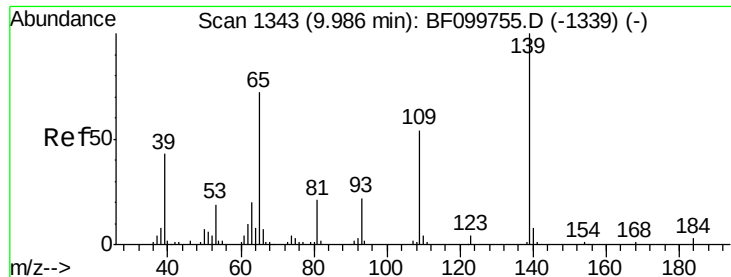


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

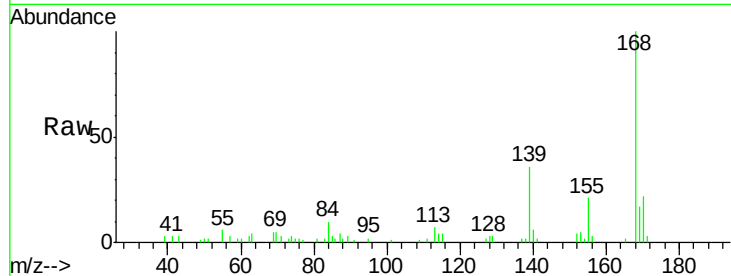




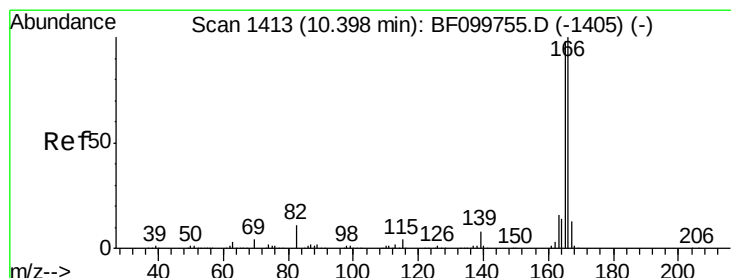
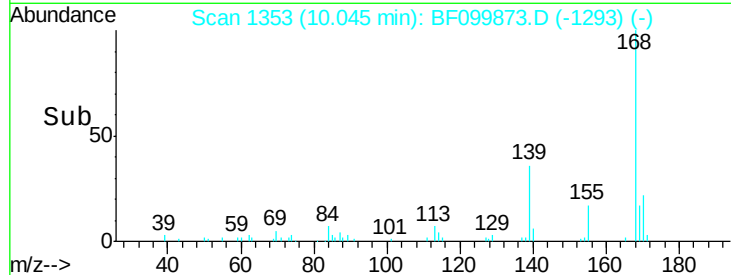
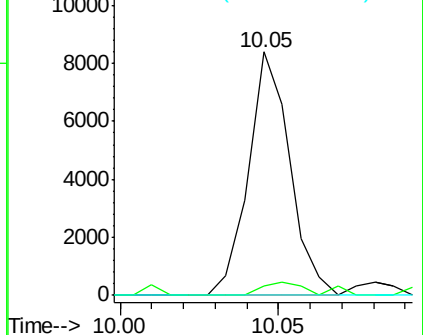
#55
4-Nitrophenol
Concen: 6.41 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.05 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 7603
Ion Ratio Lower Upper
139 100
109 3.9 48.4 88.4#
65 0.0 72.6 112.6#

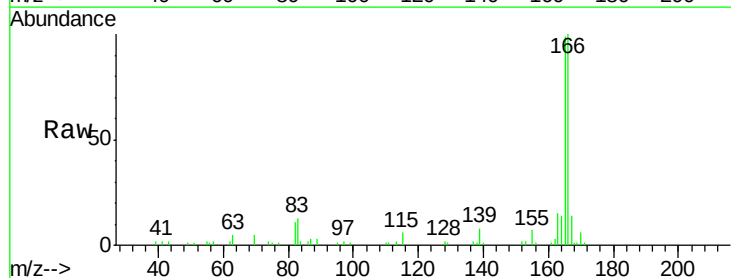


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

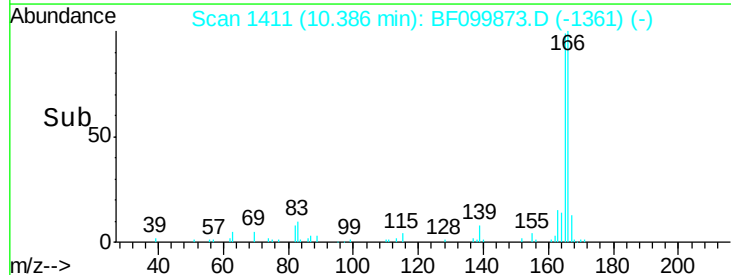
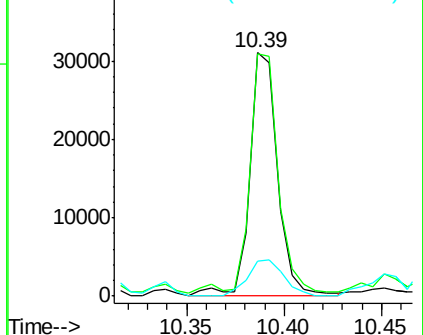


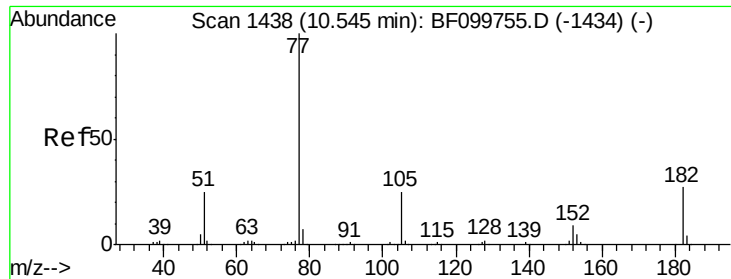
#57
Fluorene
Concen: 3.69 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:166 Resp: 30844
Ion Ratio Lower Upper
166 100
165 99.3 79.8 119.8
167 14.5 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





#62

Azobenzene

Concen: 13.37 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

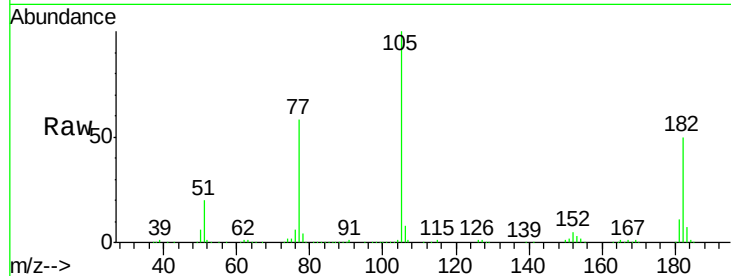
Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

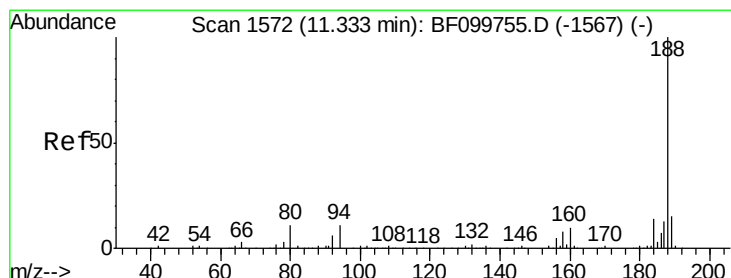
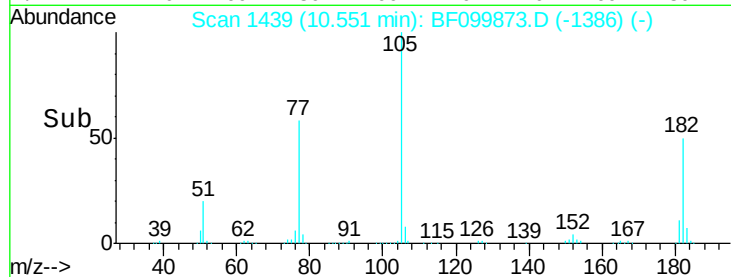
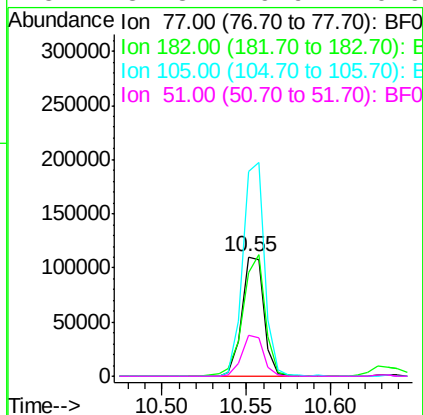
Instrument :

BNA_F

ClientSampleId :



Tot Ion:	77	Resp:	100311
Ion	Ratio	Lower	Upper
77	100		
182	86.5	1.7	41.7#
105	171.4	3.0	43.0#
51	34.8	9.9	49.9



#63

Phenanthrene-d10

Concen: 20.00 ng

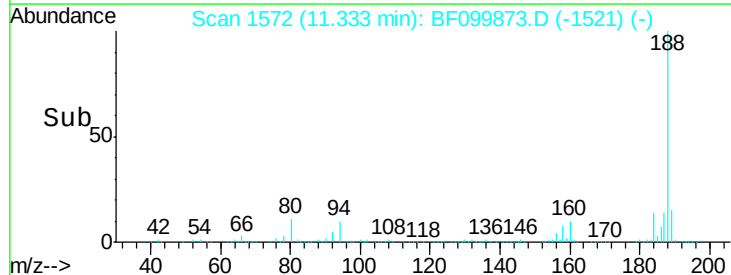
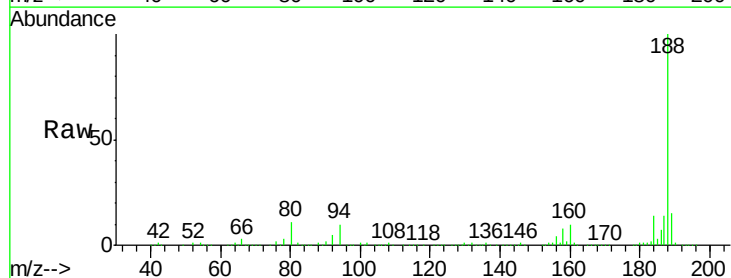
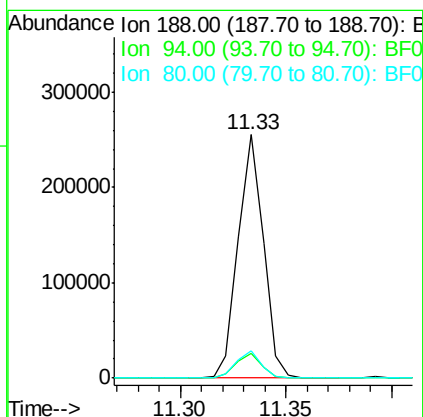
RT: 11.33 min Scan# 1572

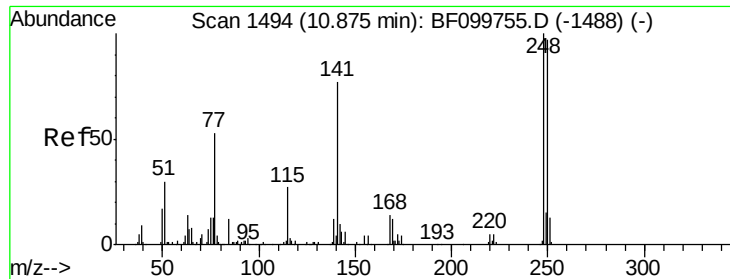
Delta R.T. 0.00 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Tgt Ion:	188	Resp:	209776
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.0	9.2	13.8

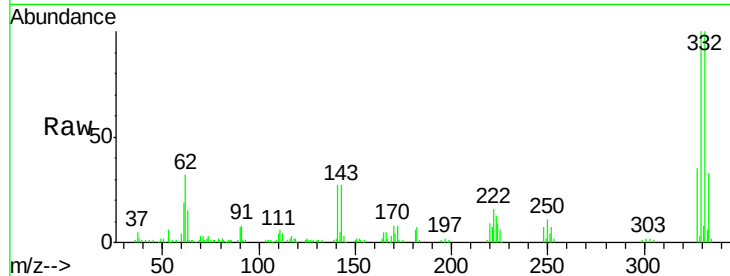




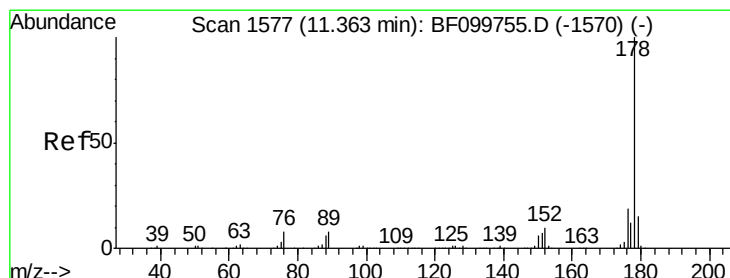
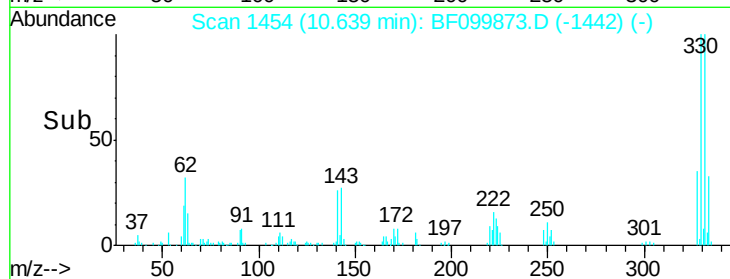
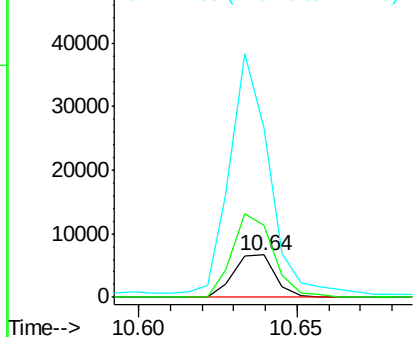
#66
4-Bromophenyl-phenylether
Concen: 2.78 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.23 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6135
Ion Ratio Lower Upper
248 100
250 171.2 76.9 115.3#
141 399.7 74.4 111.6#

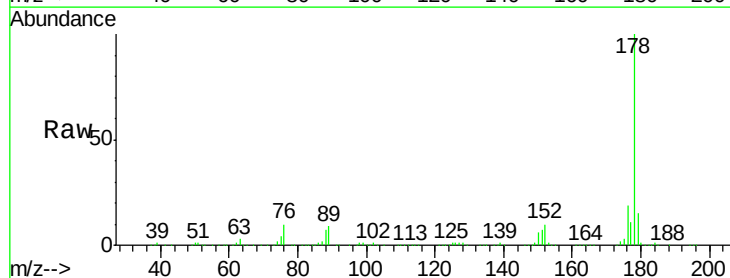


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

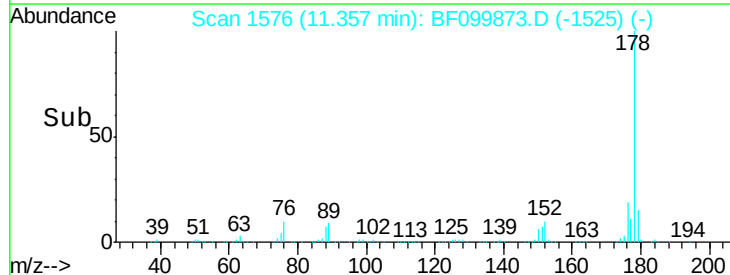
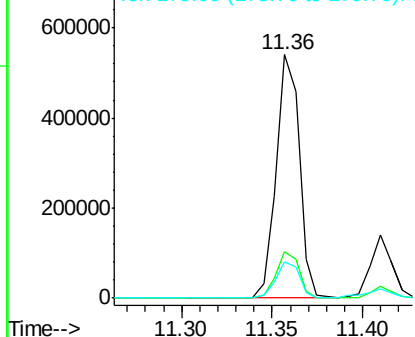


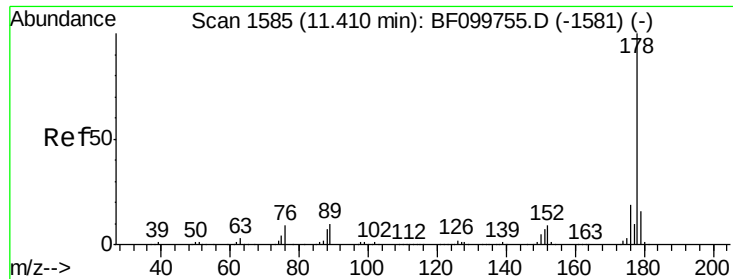
#70
Phenanthrene
Concen: 40.45 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:178 Resp: 478825
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.1 13.0 19.6



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

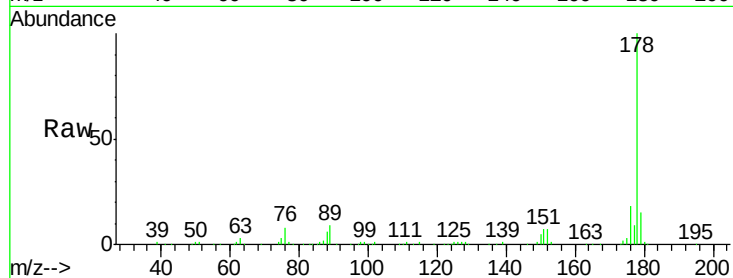




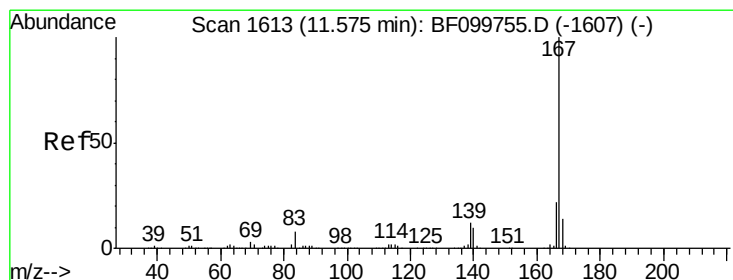
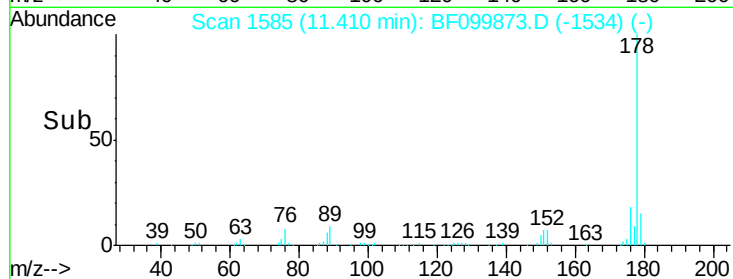
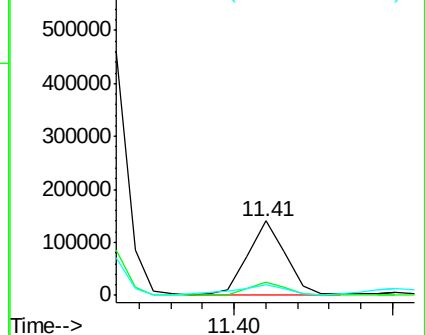
#71
 Anthracene
 Concen: 9.36 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF099873.D
 Acq: 26 Oct 2017 21:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 112519
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.1 12.6 19.0

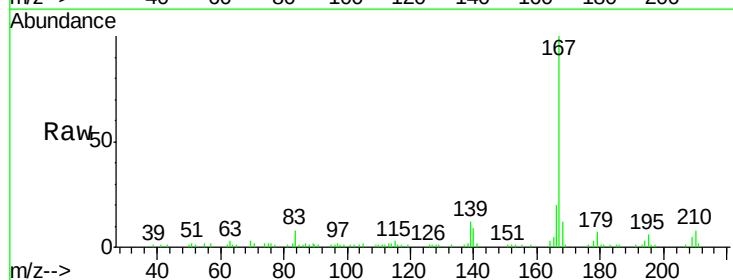


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

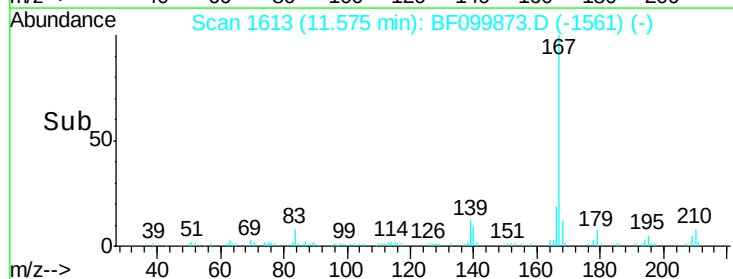
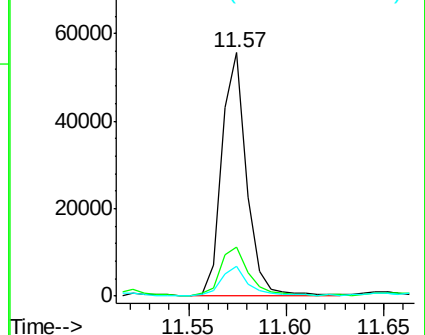


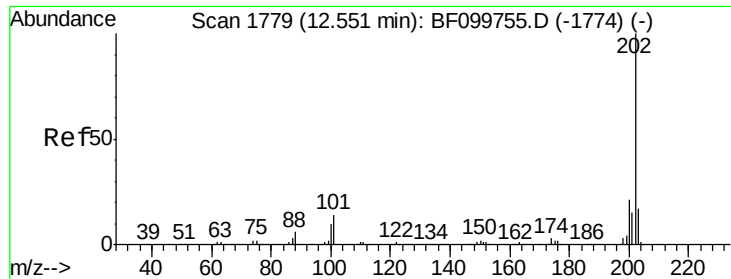
#72
 Carbazole
 Concen: 4.36 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF099873.D
 Acq: 26 Oct 2017 21:11

Tgt Ion:167 Resp: 49218
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.6 26.4
 139 12.0 10.9 16.3



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: 57.24 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampled :

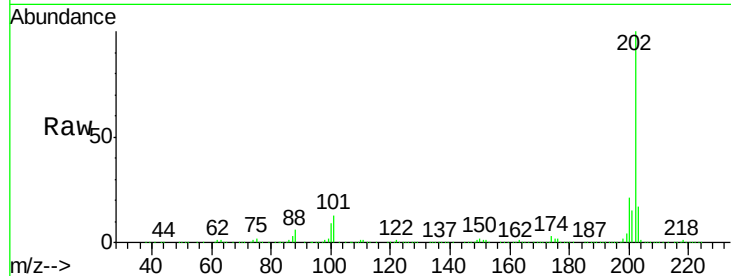
Tot Ion:202 Resp: 704182

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

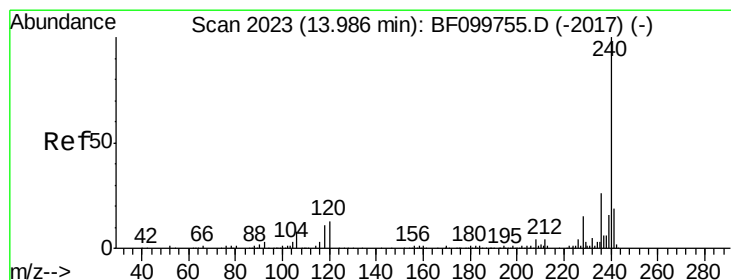
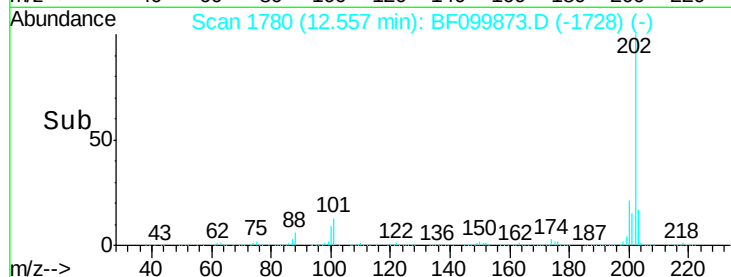
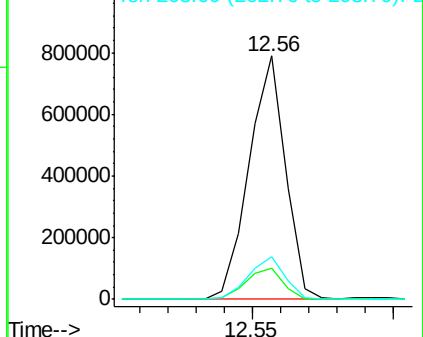
203 17.5 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

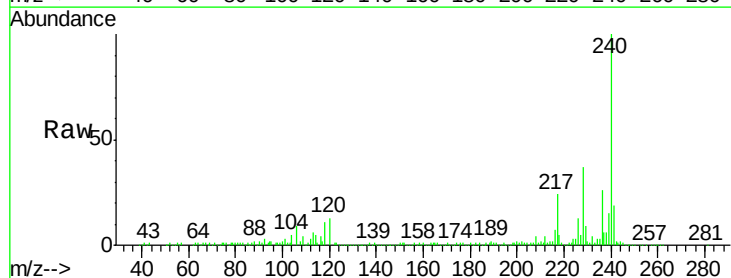
Tgt Ion:240 Resp: 179216

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

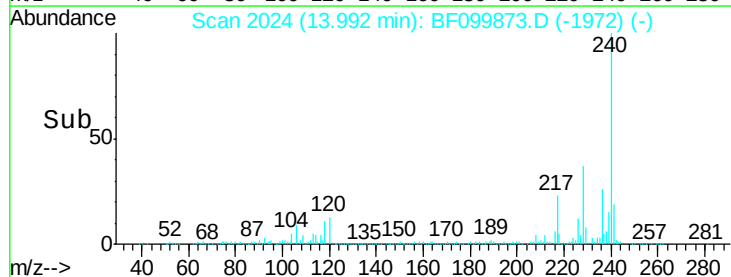
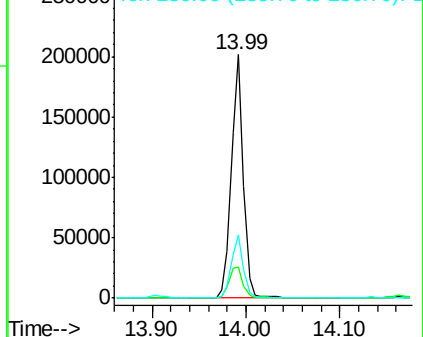
236 25.7 20.7 31.1

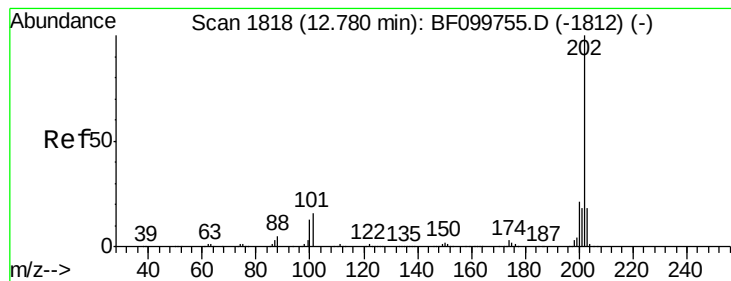


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 51.16 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

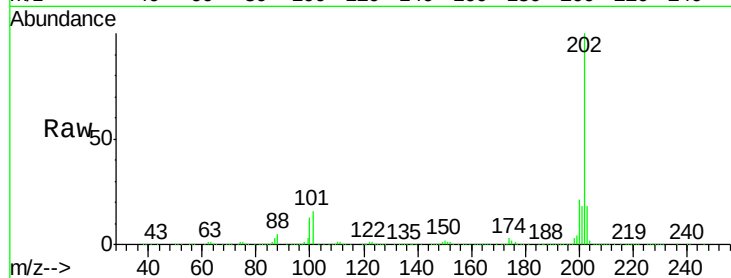
Tot Ion:202 Resp: 697235

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

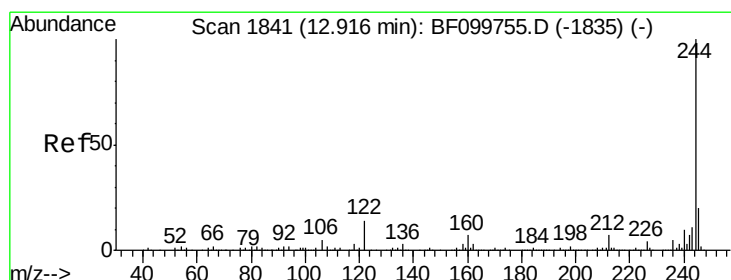
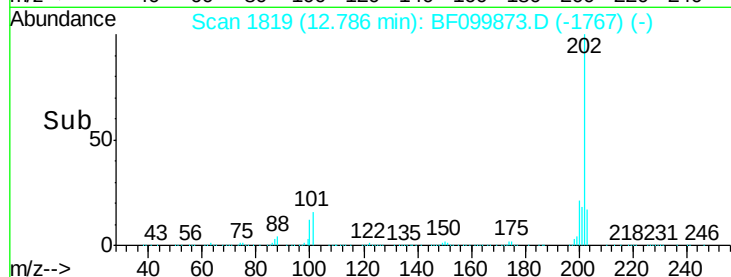
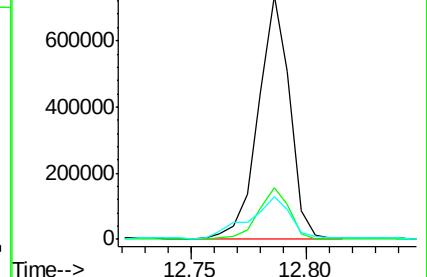
203 17.7 14.3 21.5



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: 60.09 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

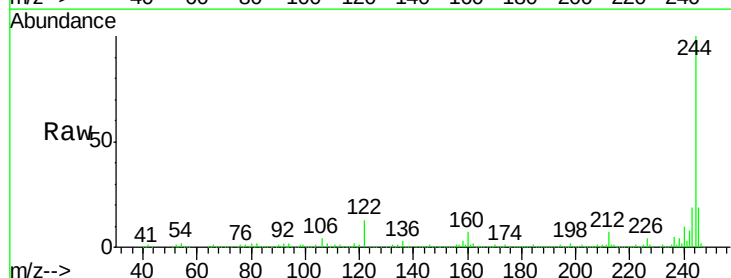
Tgt Ion:244 Resp: 492775

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

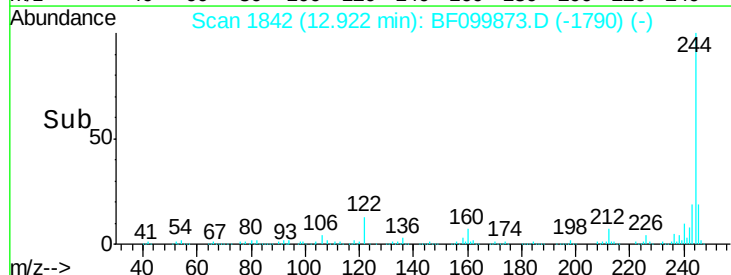
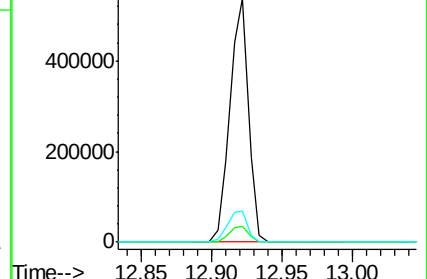
122 12.5 11.0 16.4

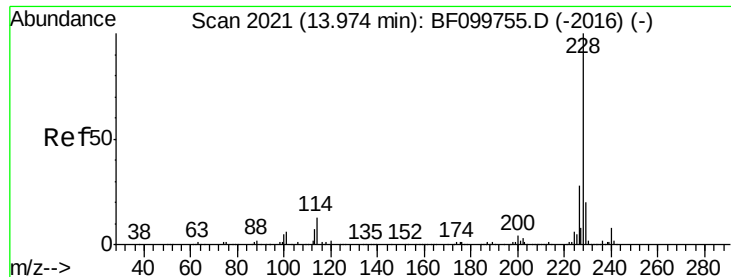


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

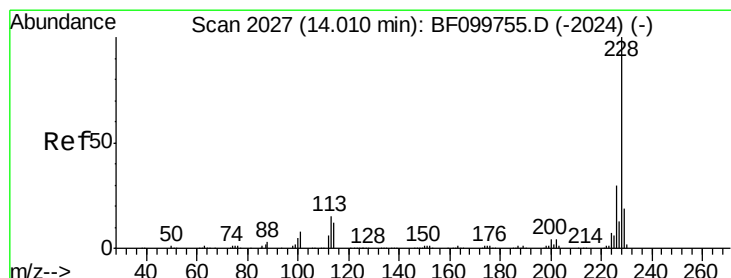
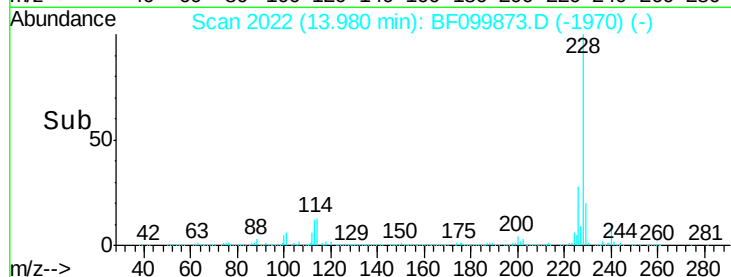
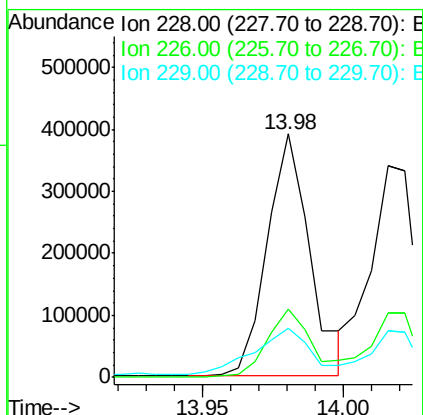
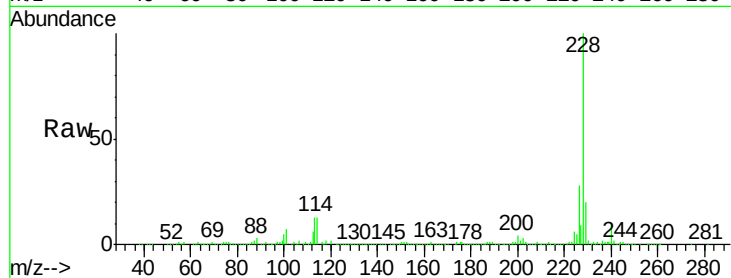




#80
Benzo(a)anthracene
Concen: 36.34 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

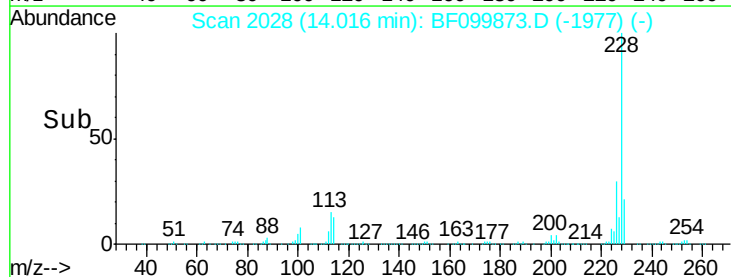
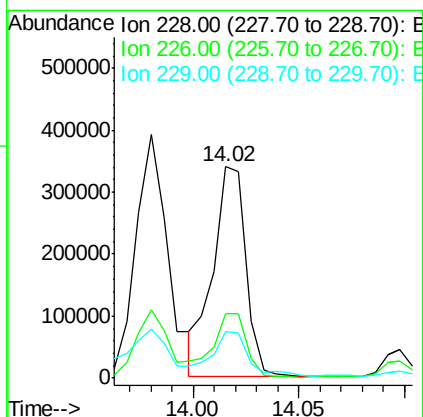
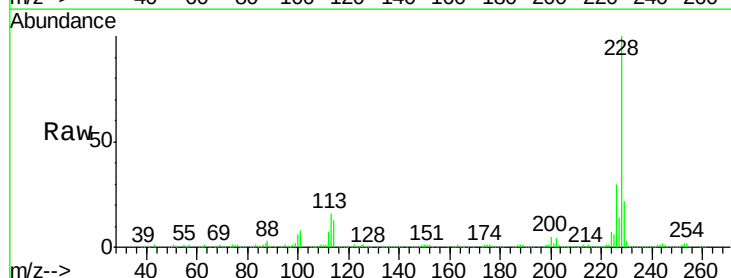
Instrument :
BNA_F
ClientSampled :

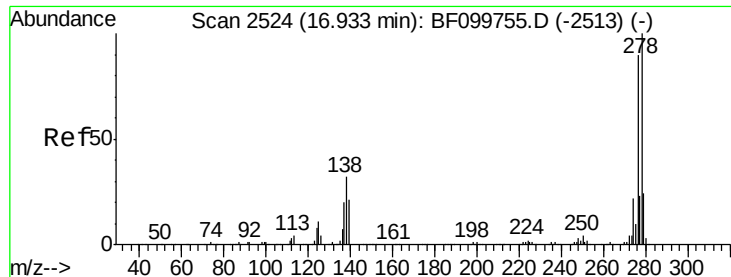
Tot Ion:228 Resp: 412878
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.3 15.8 23.6



#82
Chrysene
Concen: 34.75 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:228 Resp: 371214
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.9 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 20.55 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.04 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

Instrument :

BNA_F

ClientSampleId :

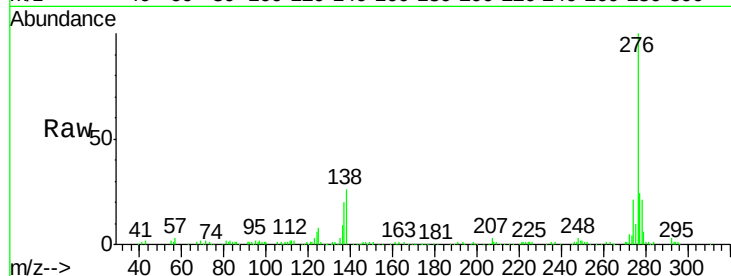
Tot Ion:276 Resp: 201544

Ion Ratio Lower Upper

276 100

138 28.4 25.0 37.6

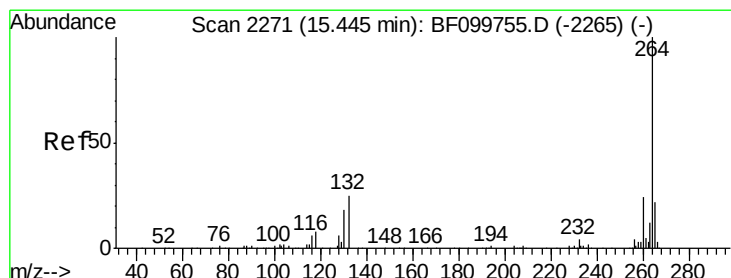
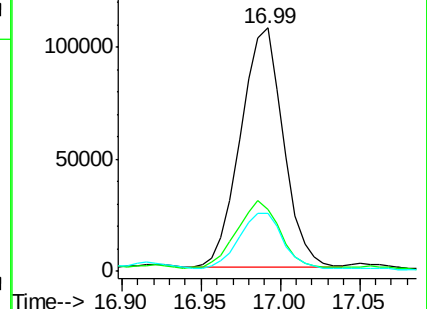
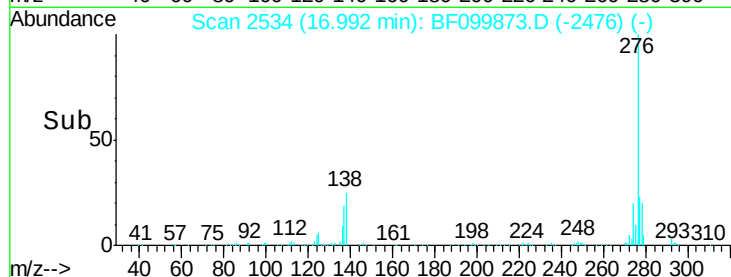
277 23.6 20.1 30.1



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.03 min

Lab File: BF099873.D

Acq: 26 Oct 2017 21:11

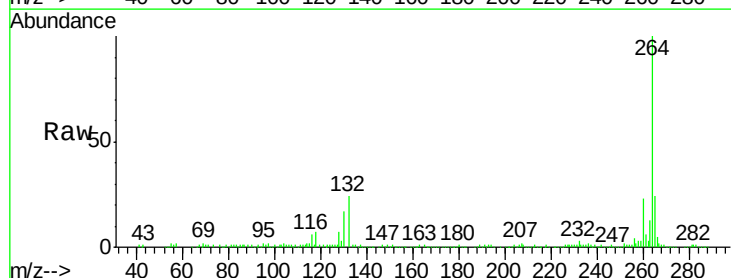
Tgt Ion:264 Resp: 174139

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

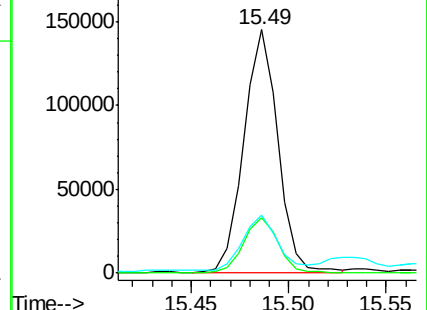
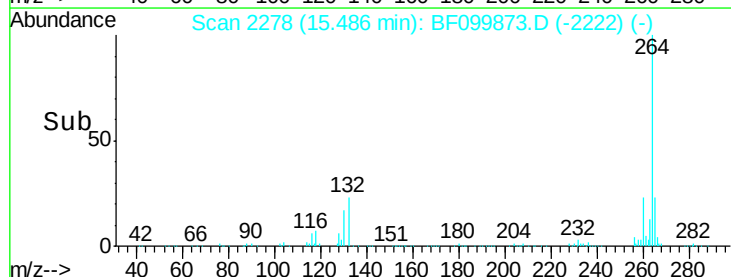
265 23.6 17.5 26.3

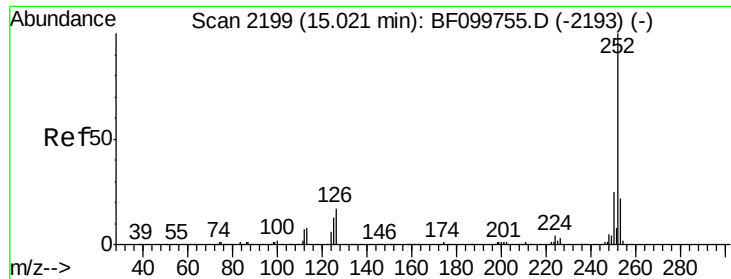


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

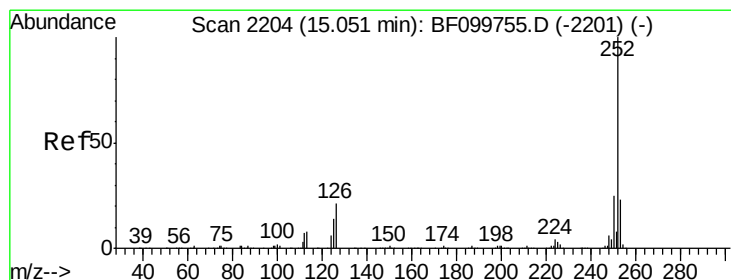
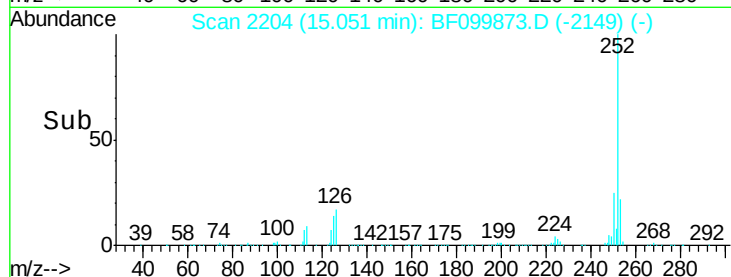
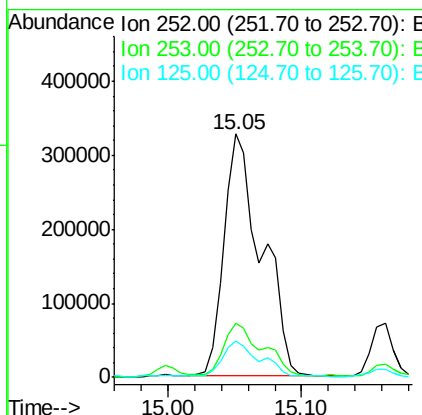
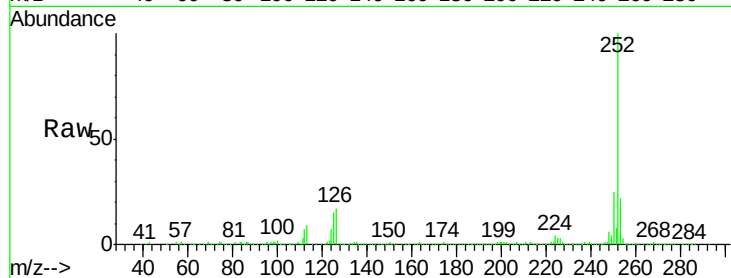




#87
Benzo(b)fluoranthene
Concen: 58.56 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

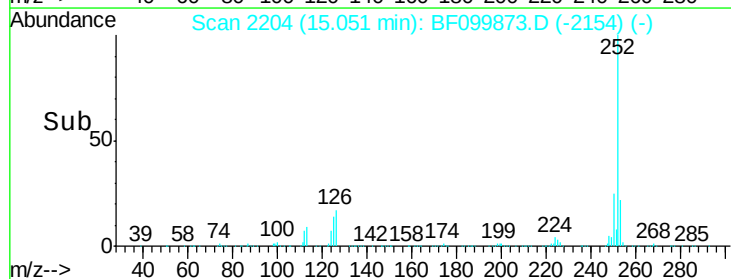
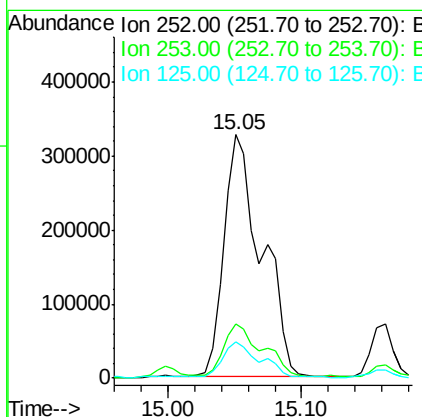
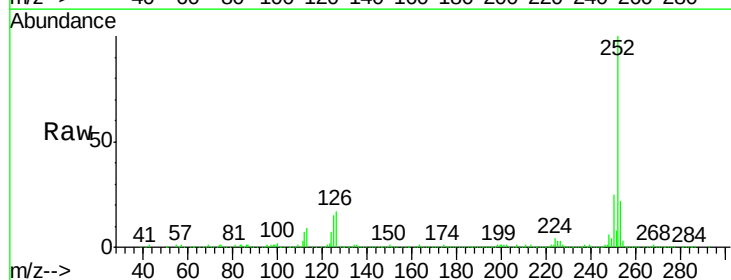
Instrument :
BNA_F
ClientSampleId :

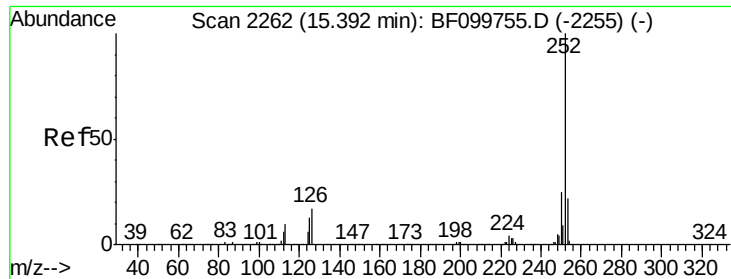
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	14.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 62.06 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.7	10.2	15.2

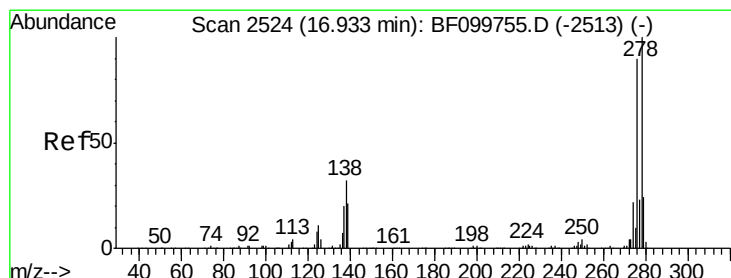
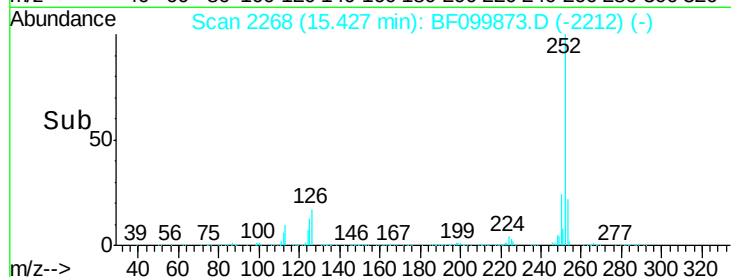
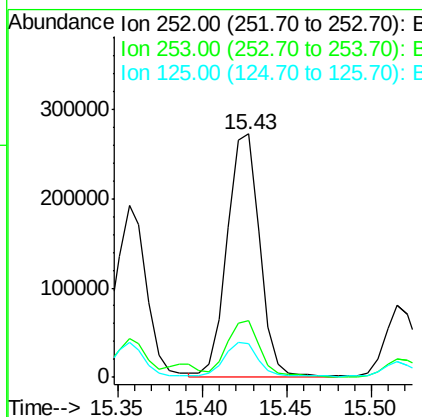
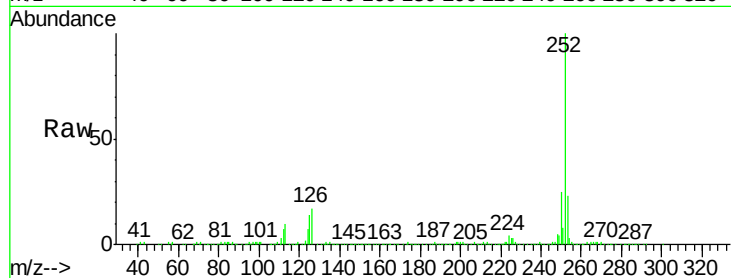




#89
Benzo(a)pyrene
Concen: 36.70 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.03 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

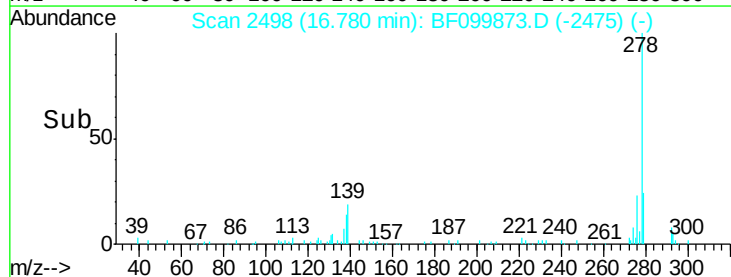
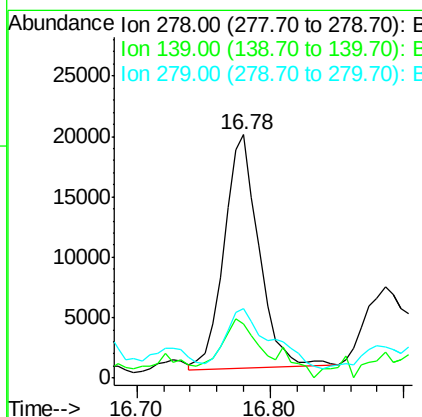
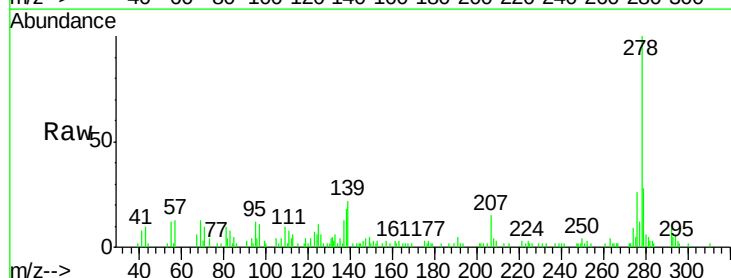
Instrument :
BNA_F
ClientSampleId :

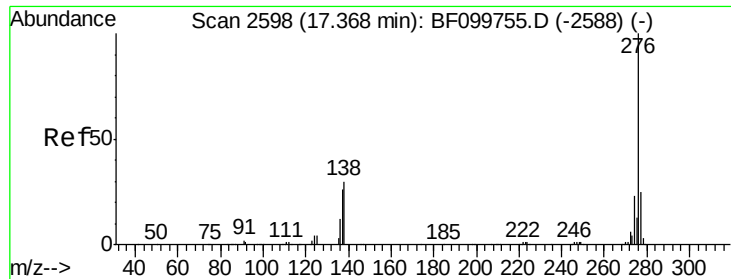
Tot Ion:252 Resp: 362502
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 4.02 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.16 min
Lab File: BF099873.D
Acq: 26 Oct 2017 21:11

Tgt Ion:278 Resp: 35262
Ion Ratio Lower Upper
278 100
139 22.4 15.9 23.9
279 28.4 19.0 28.4





#91
 Benzo(a,h,i)perylene
 Concen: 22.78 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.05 min
 Lab File: BF099873.D
 Acq: 26 Oct 2017 21:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	29.2	21.8	32.8

