

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099009.D
 Acq On : 2 Oct 2017 19:38
 Operator : SJ/JU
 Sample : I5532-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:01:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	123179	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	480626	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	187431	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	277226	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	222095	20.00	ng	-0.02
86) Perylene-d12	15.56	264	240445	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	922887	119.27	ng	-0.01
7) Phenol-d6	6.53	99	1101204	115.36	ng	-0.01
23) Nitrobenzene-d5	7.46	82	665502	88.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	169837	110.74	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1049134	93.44	ng	-0.02
78) Terphenyl-d14	13.01	244	653566	66.92	ng	-0.02

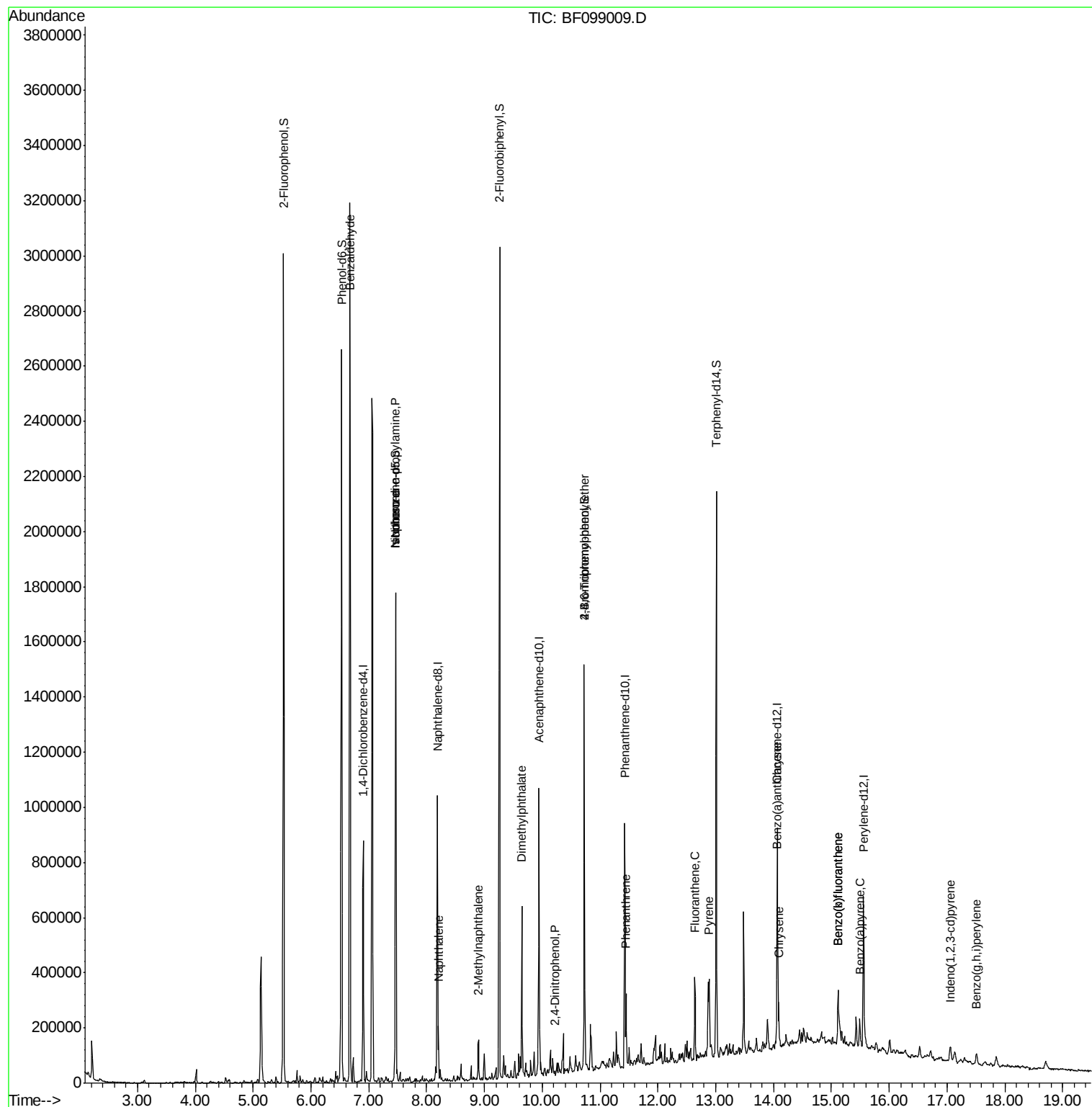
Target Compounds				Qvalue		
9) Benzaldehyde	6.67	77	18958	3.42	ng	85
19) n-Nitroso-di-n-propylamine	7.46	70	87489	14.36	ng	# 76
25) Isophorone	7.46	82	659680	42.57	ng	# 64
31) Naphthalene	8.20	128	67712	3.00	ng	98
37) 2-Methylnaphthalene	8.90	142	40709	2.77	ng	97
49) Dimethylphthalate	9.65	163	207694	14.68	ng	100
53) 2,4-Dinitrophenol	10.22	184	276	5.99	ng	# 16
66) 4-Bromophenyl-phenylether	10.73	248	11799	4.35	ng	# 1
70) Phenanthrene	11.45	178	85006	5.73	ng	97
74) Fluoranthene	12.64	202	104137	6.93	ng	99
77) Pyrene	12.87	202	96040	5.67	ng	98
80) Benzo(a)anthracene	14.06	228	53894	4.01	ng	96
82) Chrysene	14.09	228	58488	4.57	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	35252	3.44	ng	97
87) Benzo(b)fluoranthene	15.12	252	126678	8.57	ng	# 96
88) Benzo(k)fluoranthene	15.12	252	126678	8.68	ng	# 97
89) Benzo(a)pyrene	15.49	252	45826	3.38	ng	# 92
91) Benzo(g,h,i)perylene	17.52	276	28527	2.66	ng	98

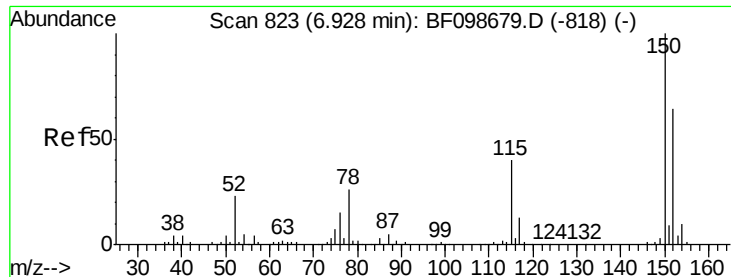
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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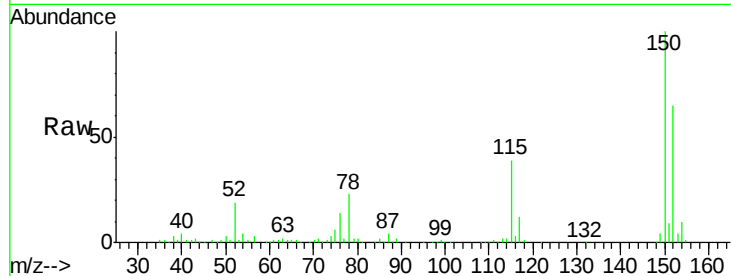


#1

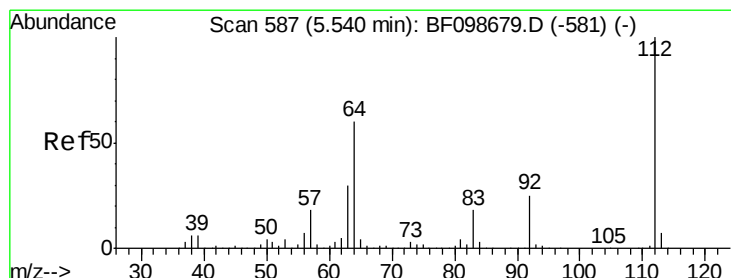
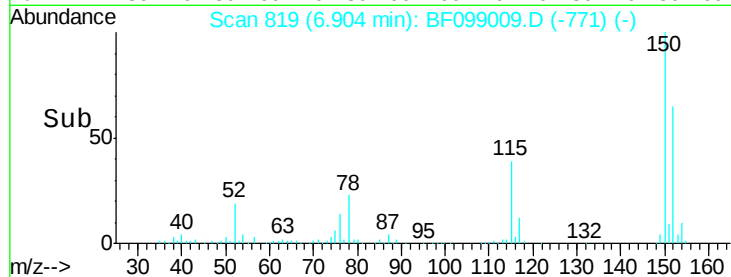
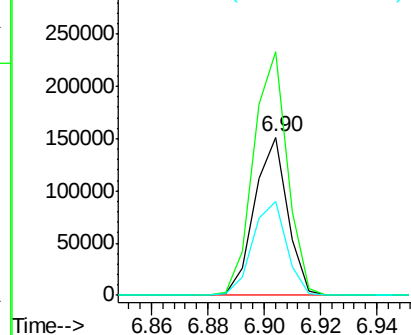
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 123179
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 59.6 50.1 75.1



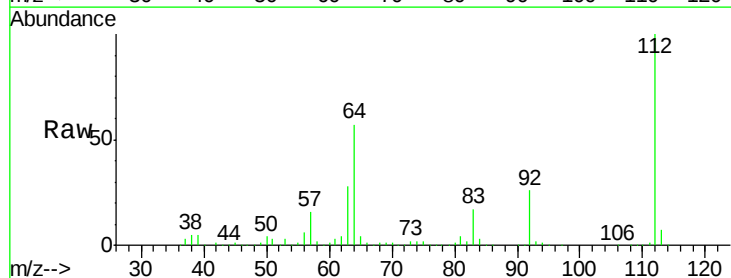
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



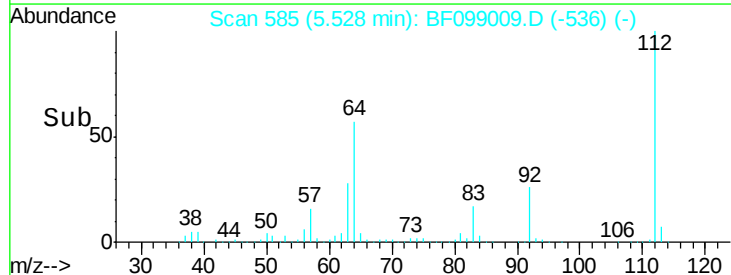
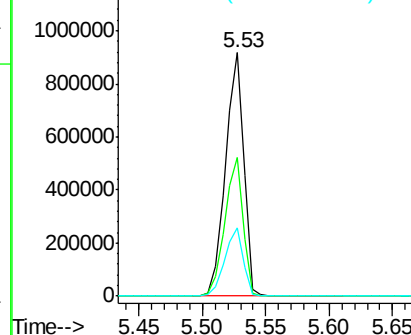
#5

2-Fluorophenol
Concen: 119.27 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:112 Resp: 922887
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 27.9 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: 115.36 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampled :

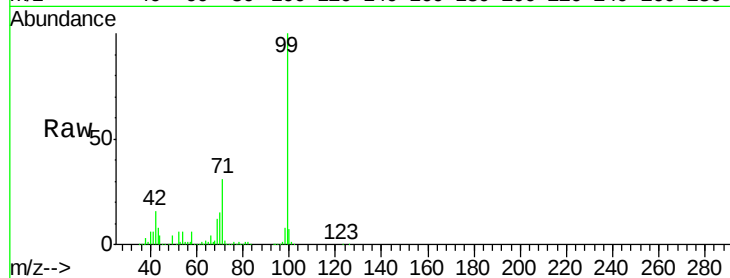
Tot Ion: 99 Resp: 1101204

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

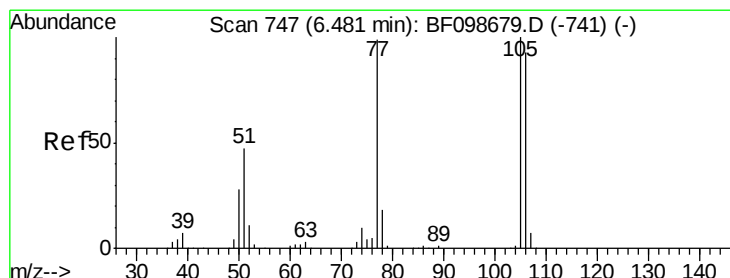
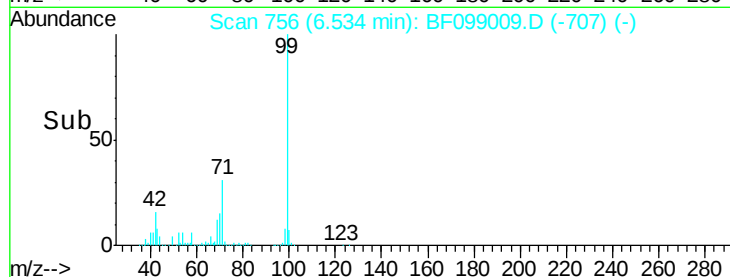
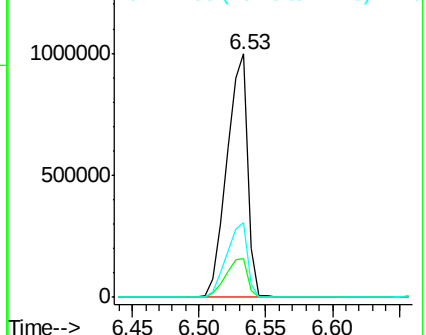
71 30.9 25.4 38.0



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: 3.42 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

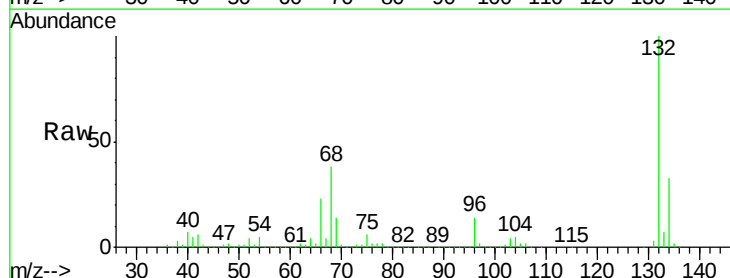
Tgt Ion: 77 Resp: 18958

Ion Ratio Lower Upper

77 100

105 83.6 81.1 121.1

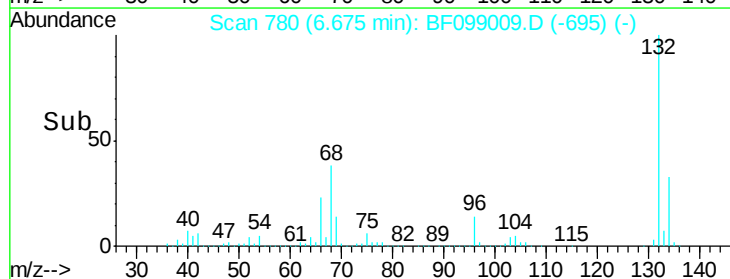
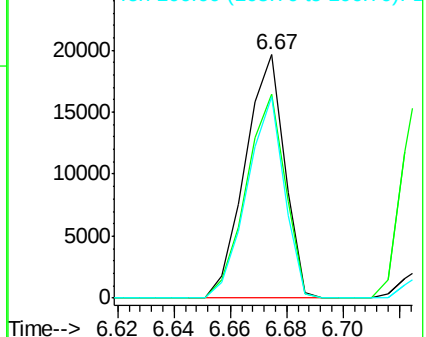
106 82.6 74.5 114.5

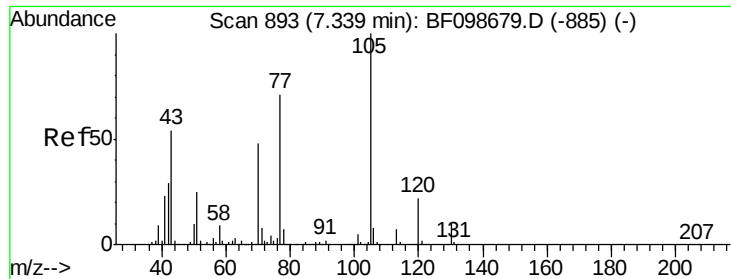


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

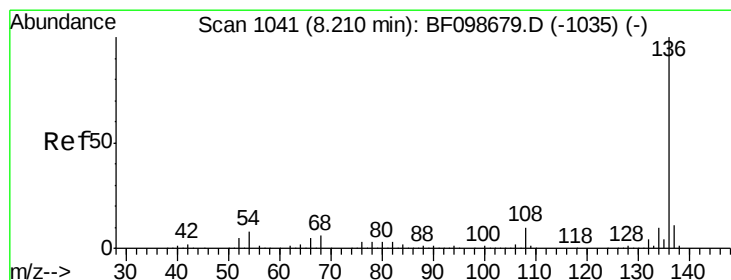
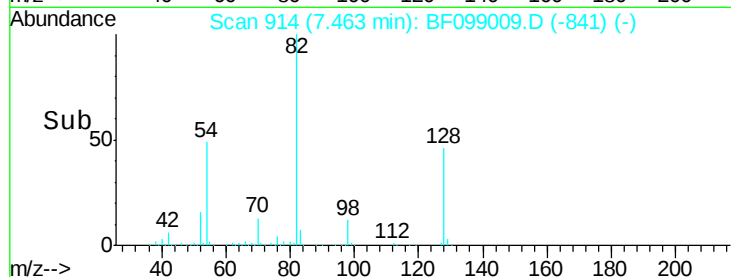
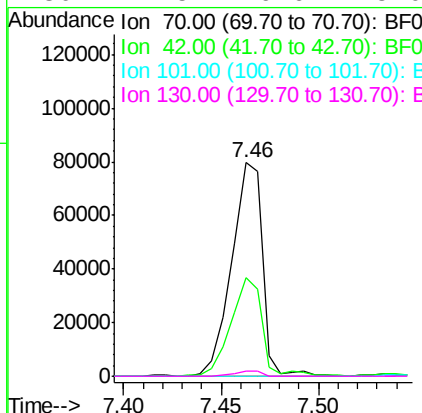
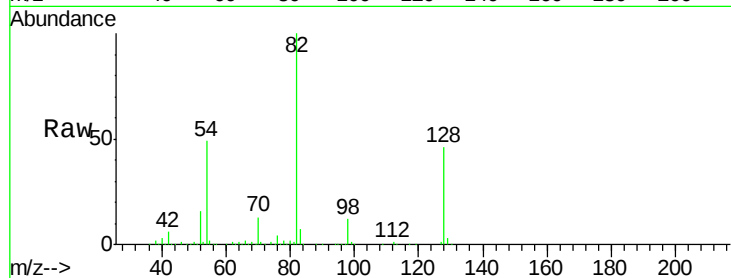




#19
n-Nitroso-di-n-propylamine
Concen: 14.36 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.13 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

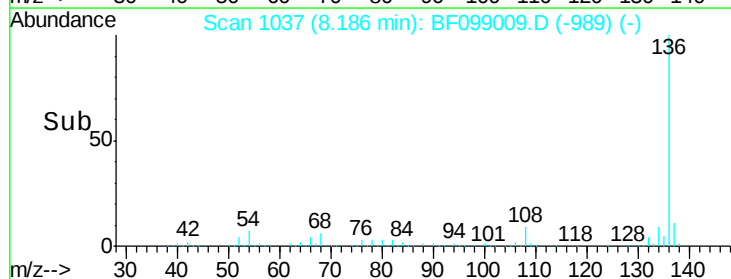
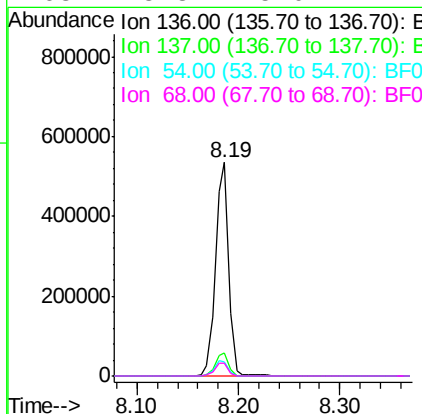
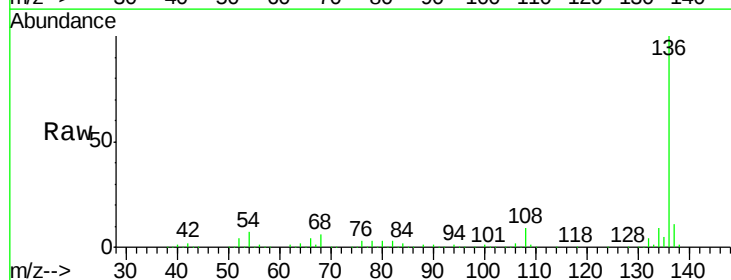
Instrument :
BNA_F
ClientSampleId :

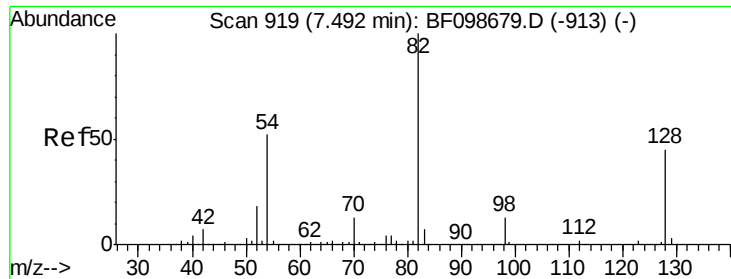
Tot Ion: 70 Resp: 87489
Ion Ratio Lower Upper
70 100
42 46.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:136 Resp: 480626
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.8 6.6 9.8
68 5.8 5.0 7.4

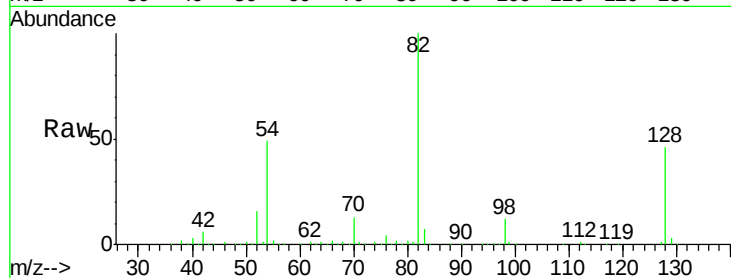




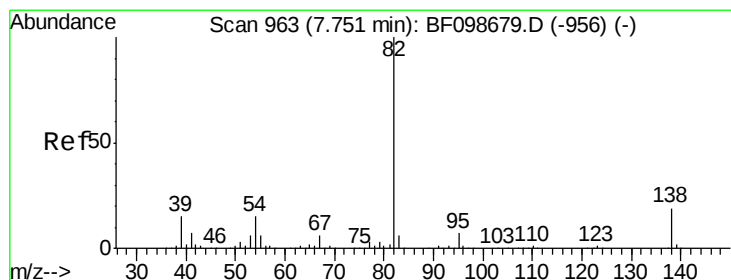
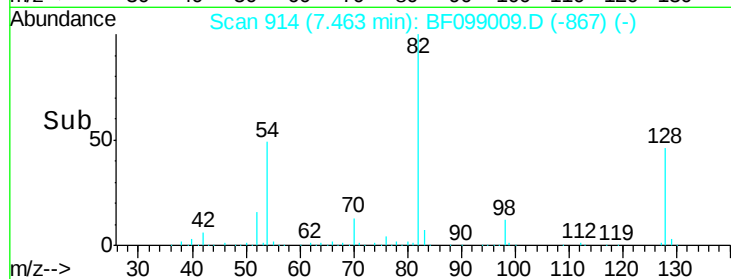
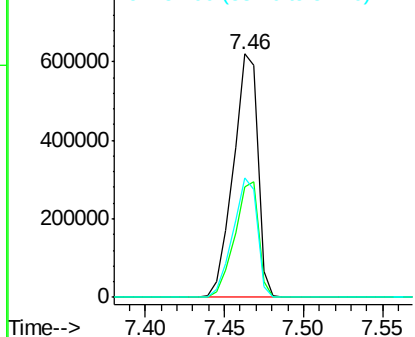
#23
Nitrobenzene-d5
Concen: 88.80 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	665502
Ion Ratio	100	Lower	Upper
128	45.6	36.1	54.1
54	49.3	41.4	62.2

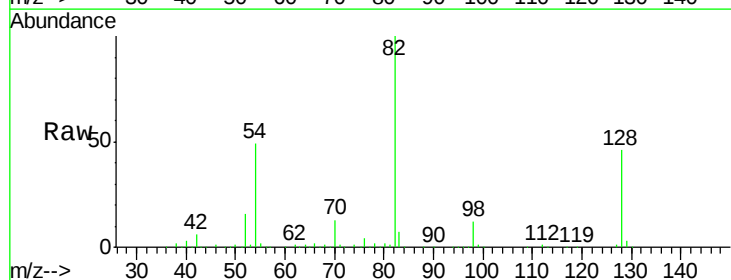


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

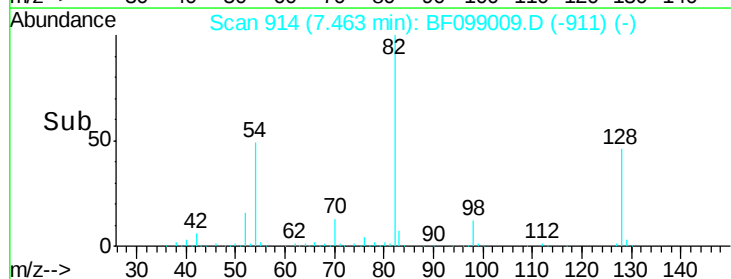
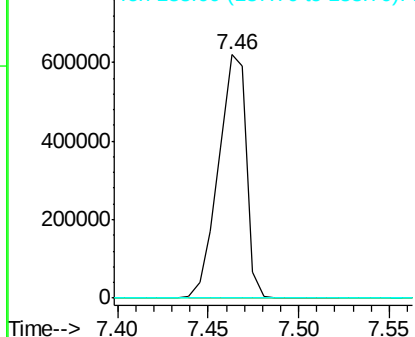


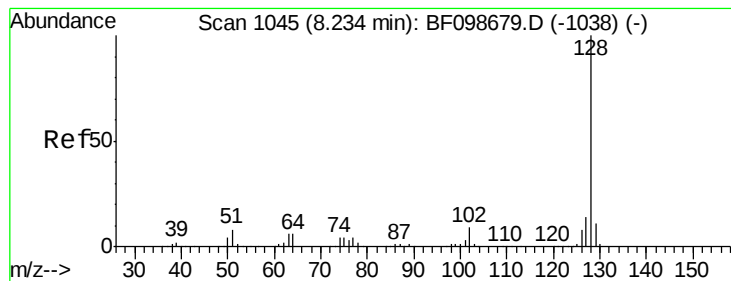
#25
Isophorone
Concen: 42.57 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.28 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion	82	Resp	659680
Ion Ratio	100	Lower	Upper
95	0.1	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: 3.00 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampleId :

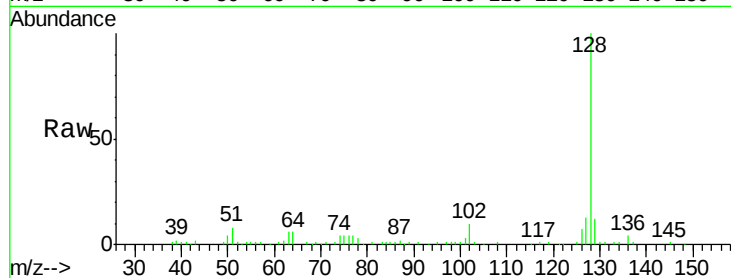
Tot Ion:128 Resp: 67712

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

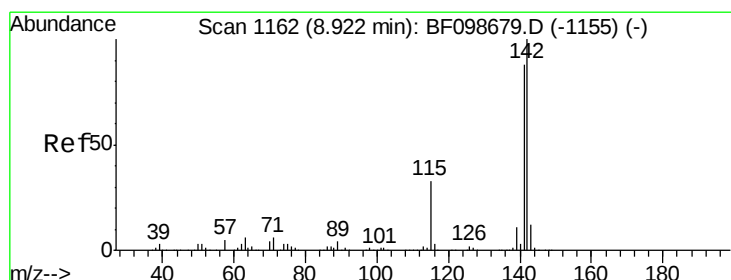
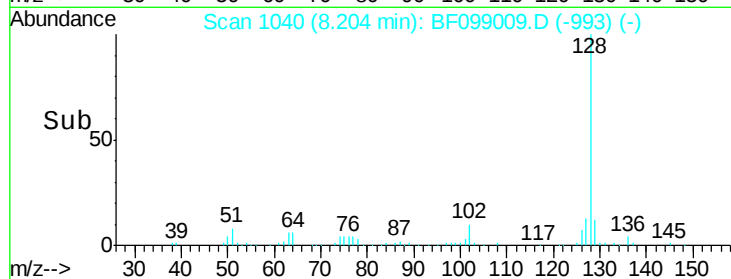
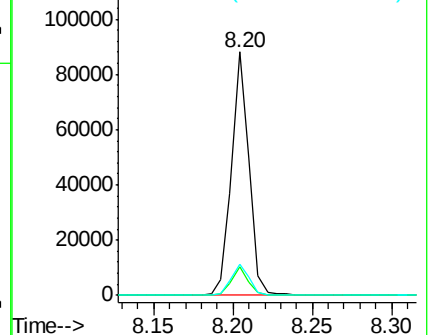
127 12.8 10.9 16.3



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: 2.77 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

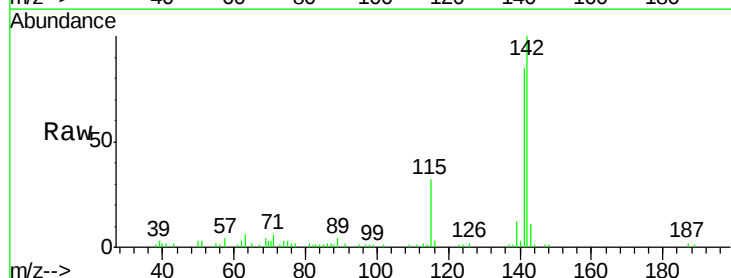
Tgt Ion:142 Resp: 40709

Ion Ratio Lower Upper

142 100

141 85.0 70.8 106.2

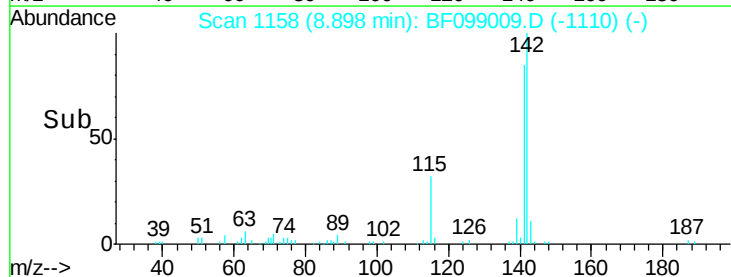
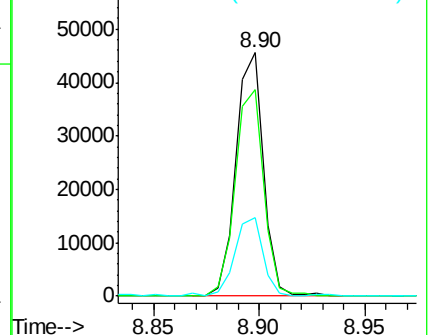
115 32.1 26.1 39.1

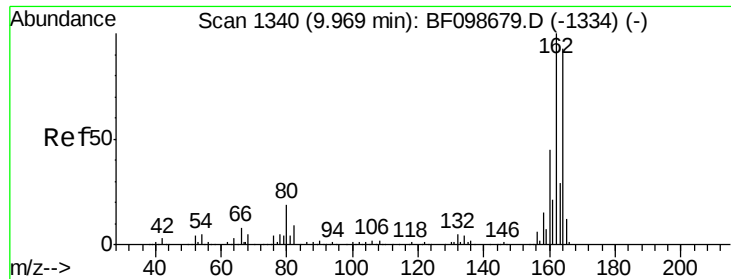


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampleId :

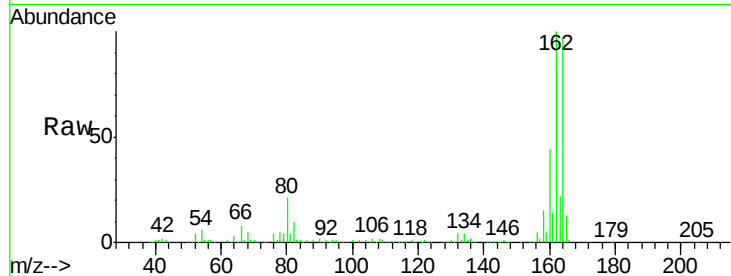
Tot Ion:164 Resp: 187431

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

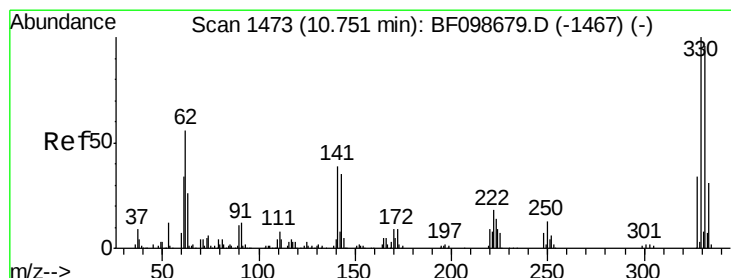
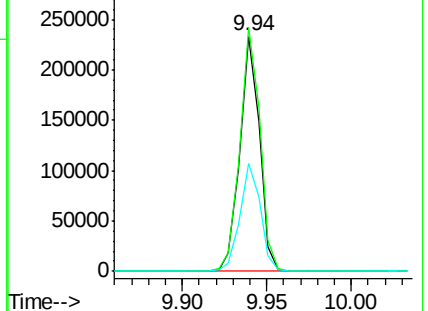
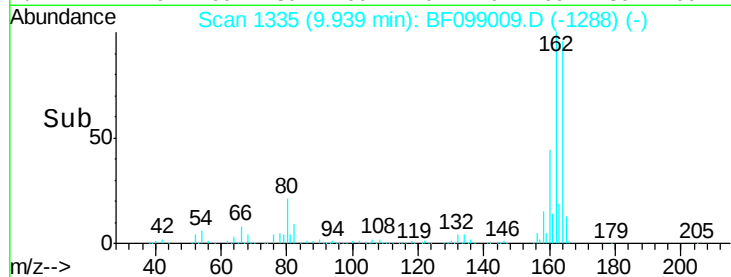
160 46.1 38.3 57.5



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: 110.74 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

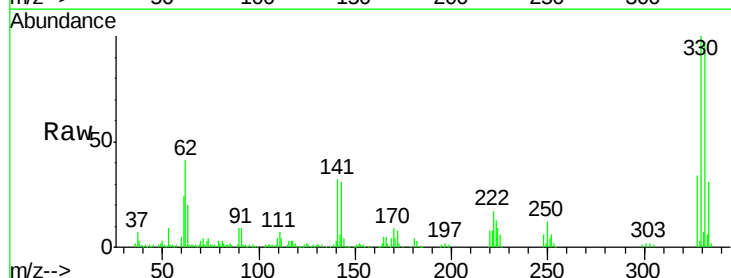
Tgt Ion:330 Resp: 169837

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

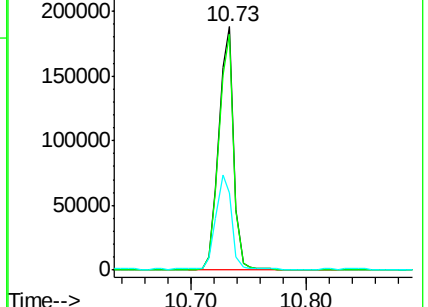
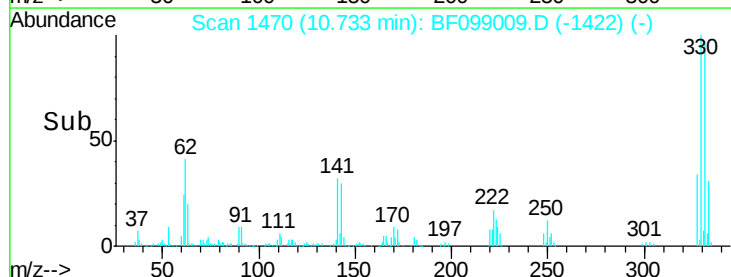
141 41.4 29.9 44.9

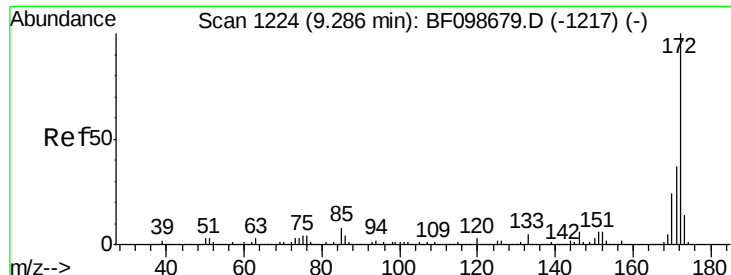


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

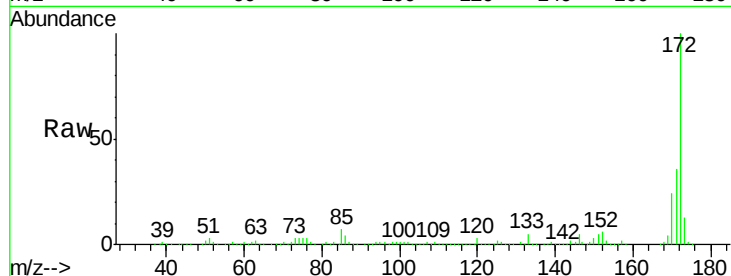




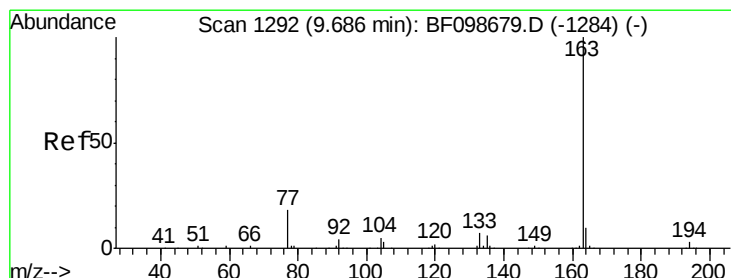
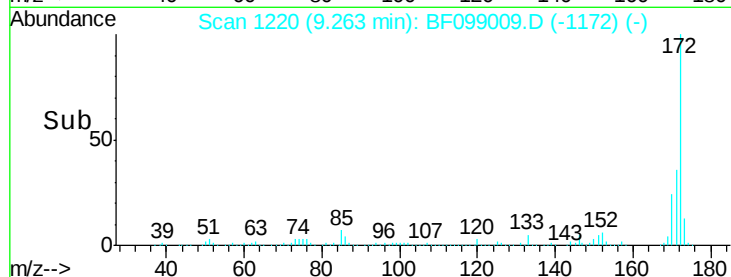
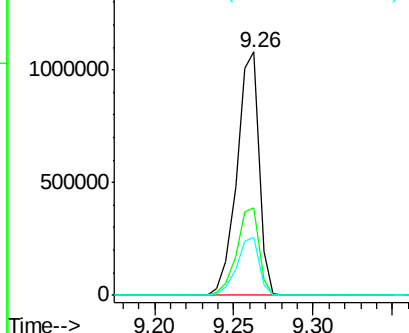
#44
2-Fluorobiphenyl
Concen: 93.44 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1049134
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.0 19.6 29.4

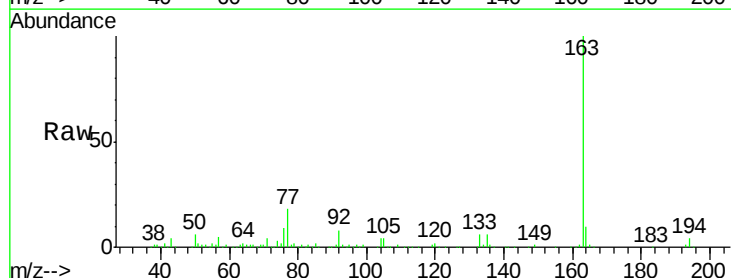


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

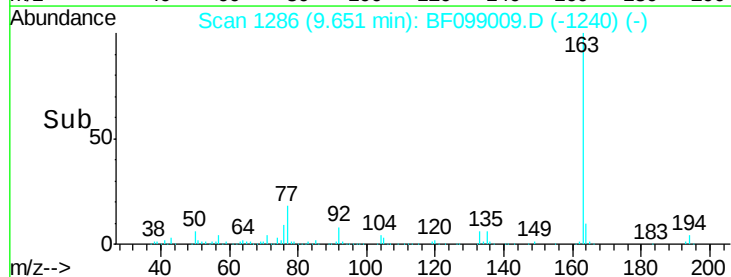
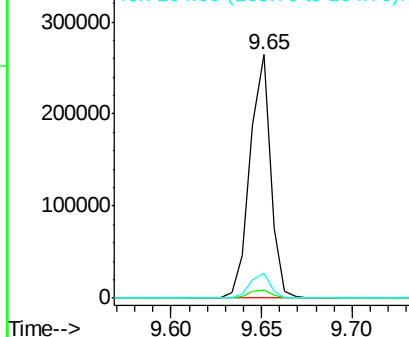


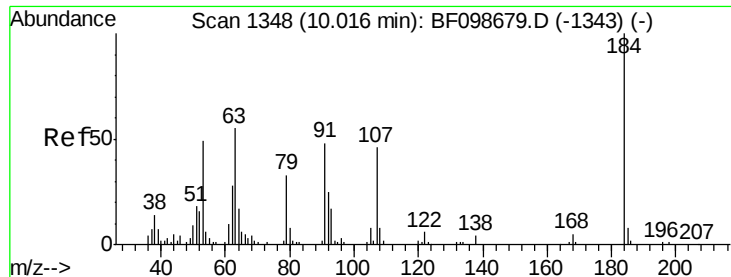
#49
Dimethylphthalate
Concen: 14.68 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:163 Resp: 207694
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.3 8.2 12.2



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

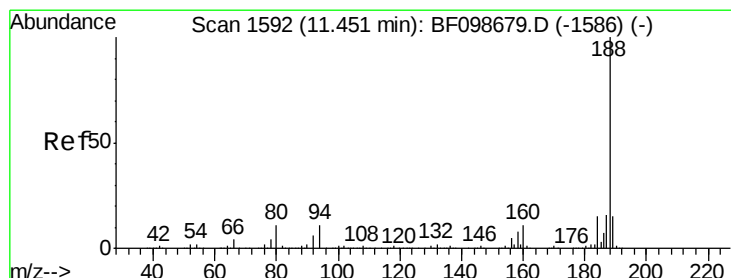
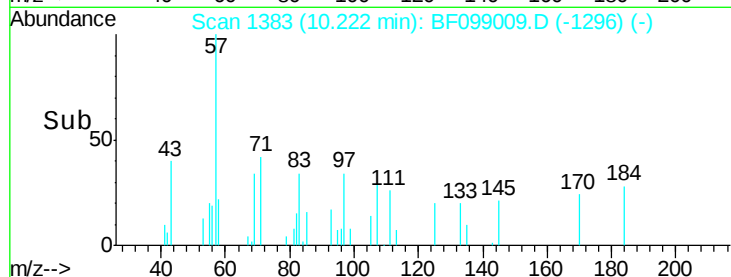
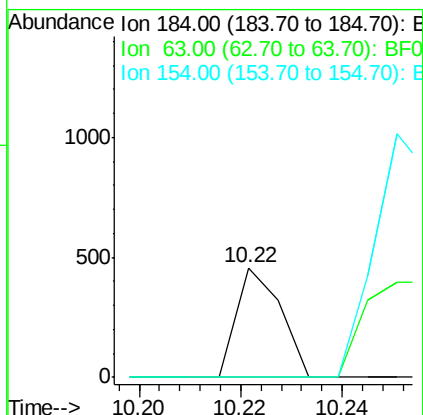
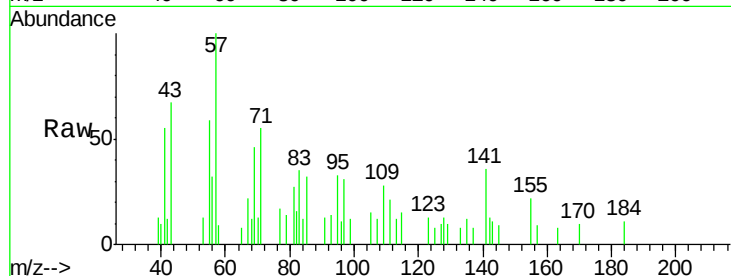




#53
2,4-Dinitrophenol
Concen: 5.99 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.21 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

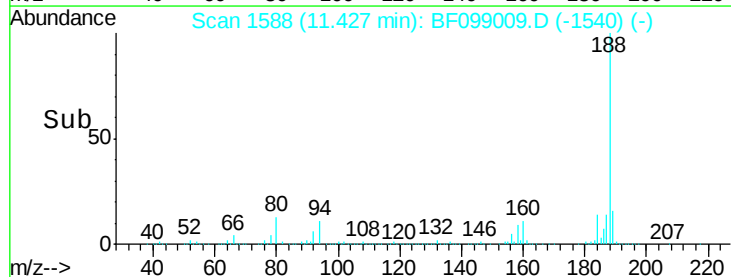
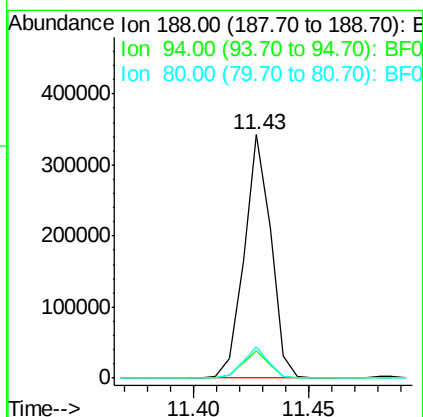
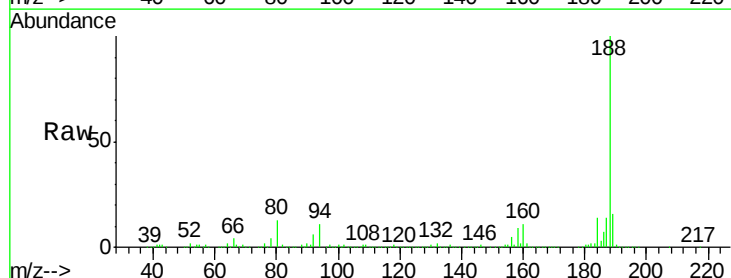
Instrument :
BNA_F
ClientSampleID :

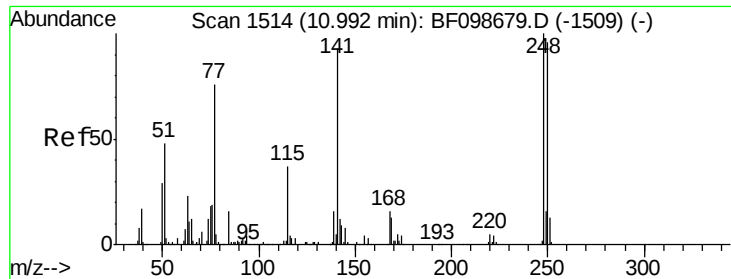
Tot Ion:184 Resp: 276
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 53.5 80.3#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:188 Resp: 277226
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.8 9.2 13.8

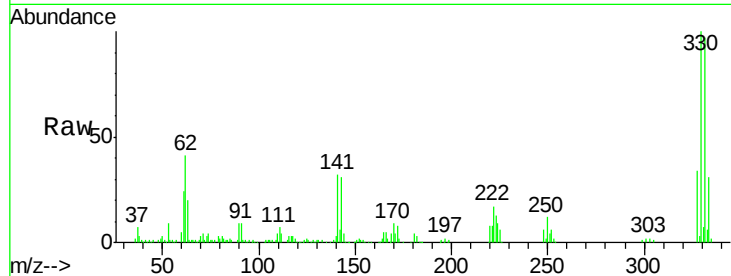




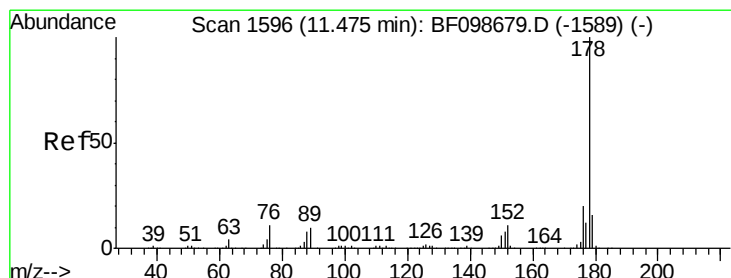
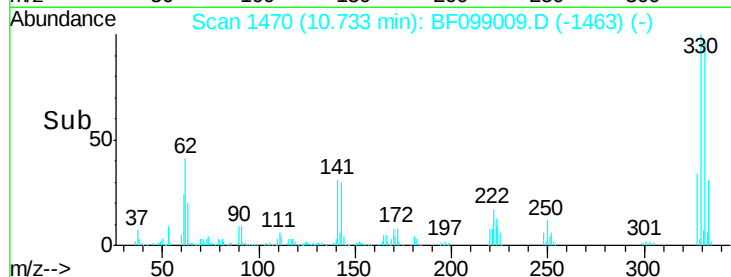
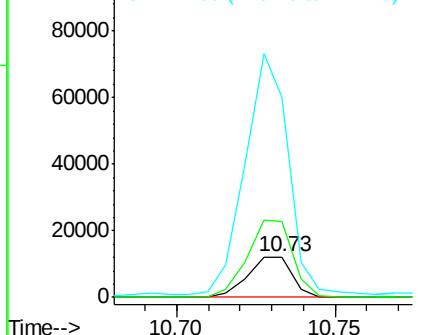
#66
4-Bromophenyl-phenylether
Concen: 4.35 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11799
Ion Ratio Lower Upper
248 100
250 187.9 76.9 115.3#
141 495.2 74.4 111.6#

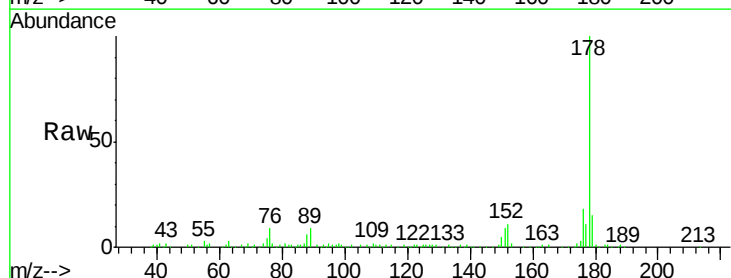


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

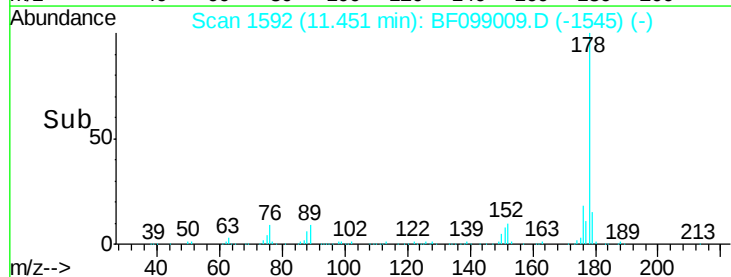
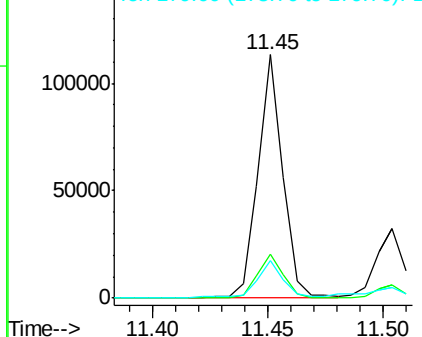


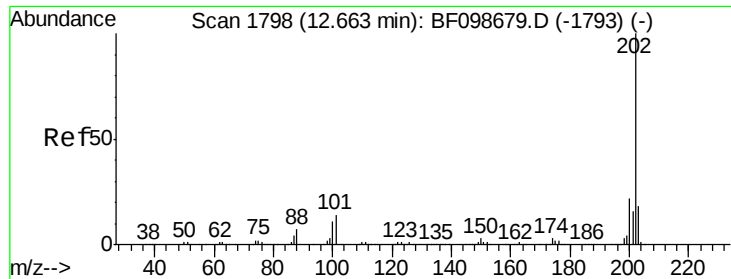
#70
Phenanthrene
Concen: 5.73 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:178 Resp: 85006
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.3 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





#74

Fluoranthene

Concen: 6.93 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF099009.D

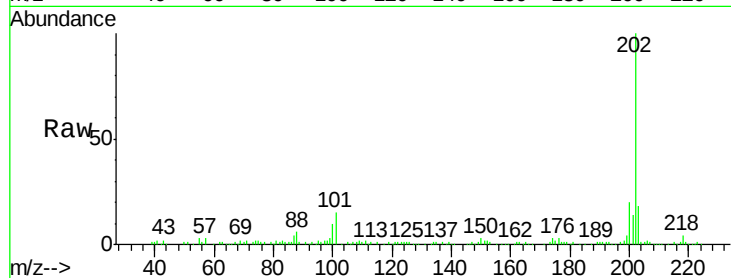
Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampleId :

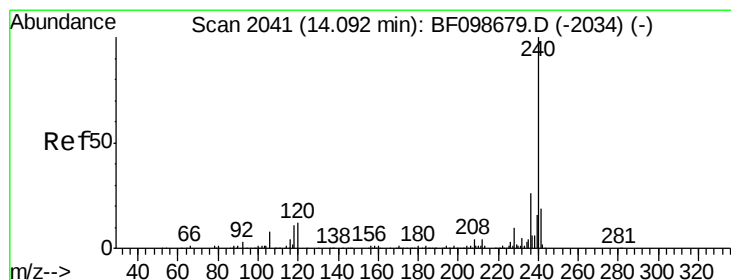
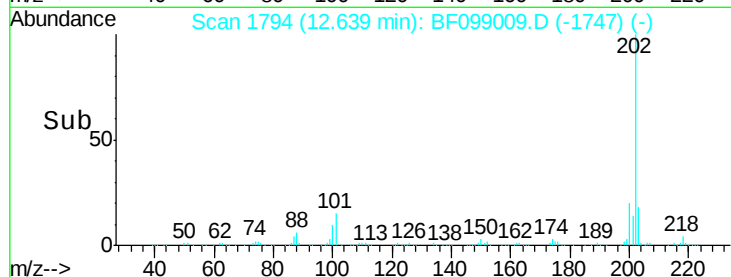
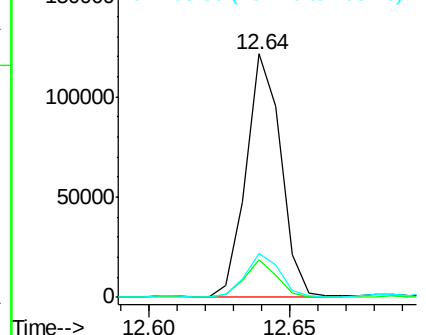
Tot Ion:	202	Resp:	104137
Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.1
203	17.9	0.0	38.1



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

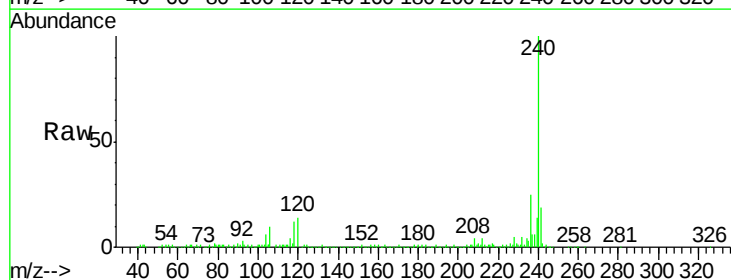
RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

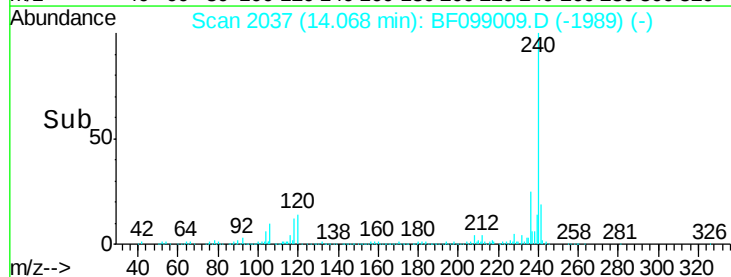
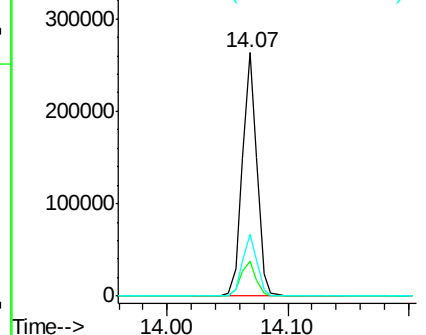
Tgt Ion:	240	Resp:	222095
Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.5	14.3#
236	25.2	20.7	31.1

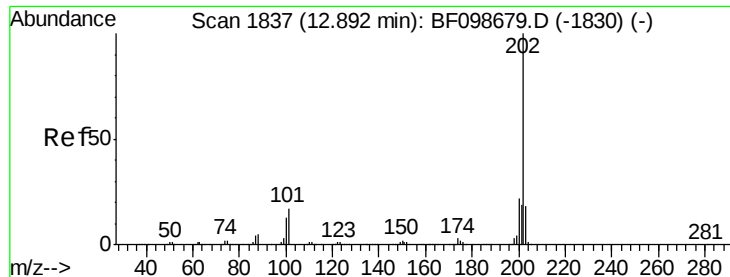


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.67 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampled :

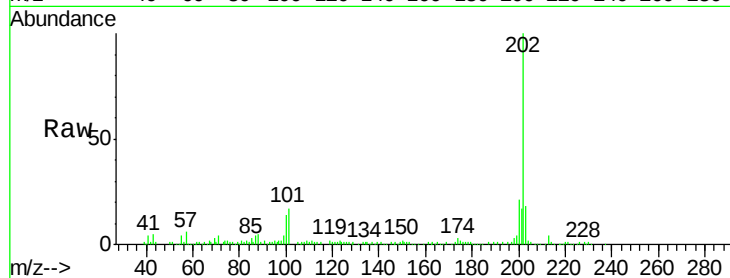
Tot Ion:202 Resp: 96040

Ion Ratio Lower Upper

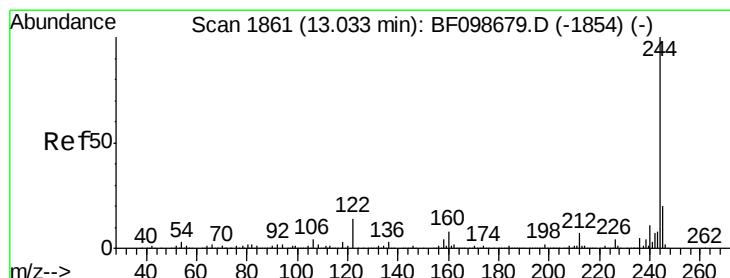
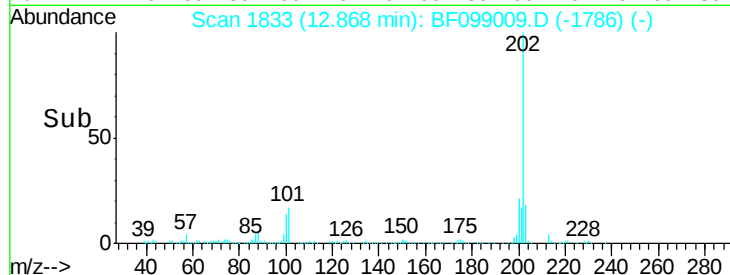
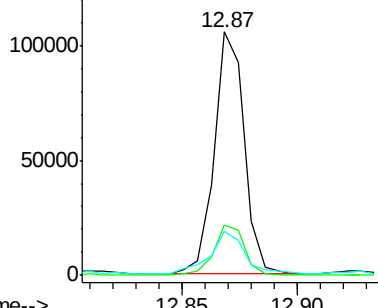
202 100

200 20.6 17.4 26.2

203 18.0 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: 66.92 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

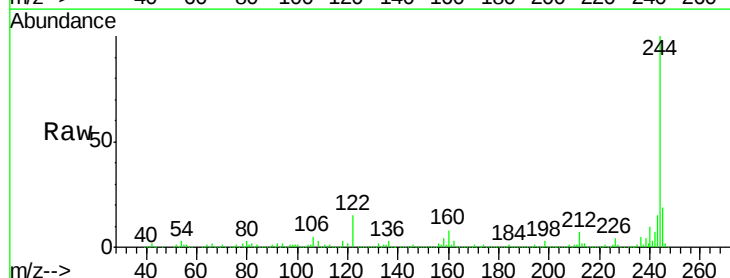
Tgt Ion:244 Resp: 653566

Ion Ratio Lower Upper

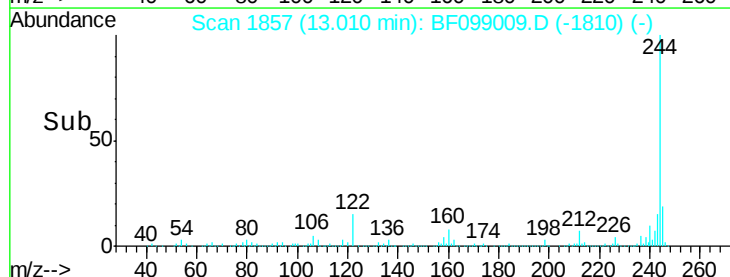
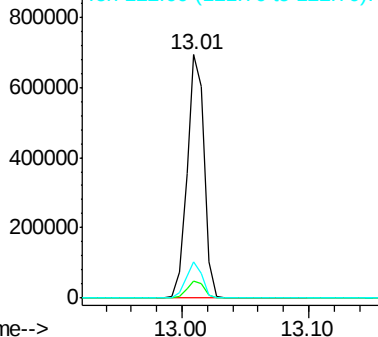
244 100

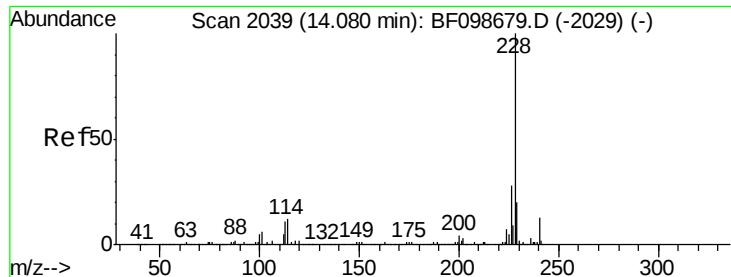
212 7.1 5.4 8.0

122 15.0 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

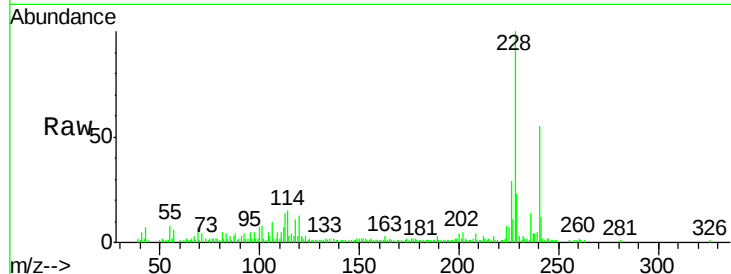




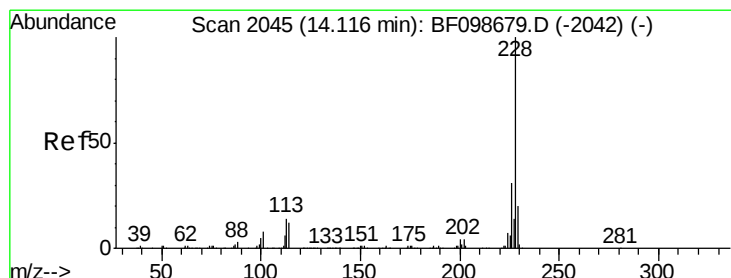
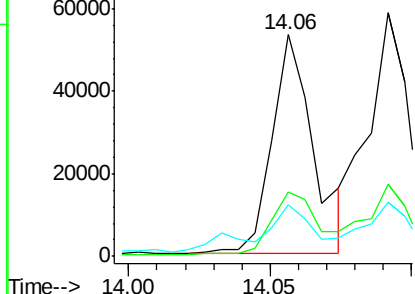
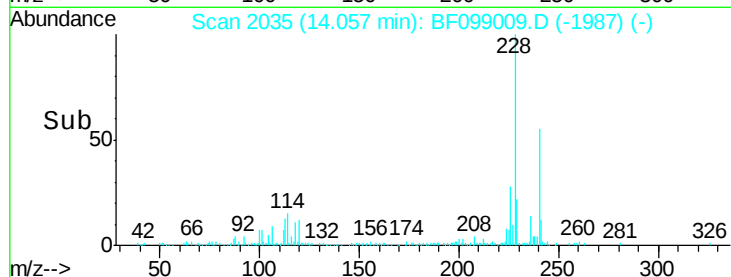
#80
Benzo(a)anthracene
Concen: 4.01 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 53894
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 23.1 15.8 23.6

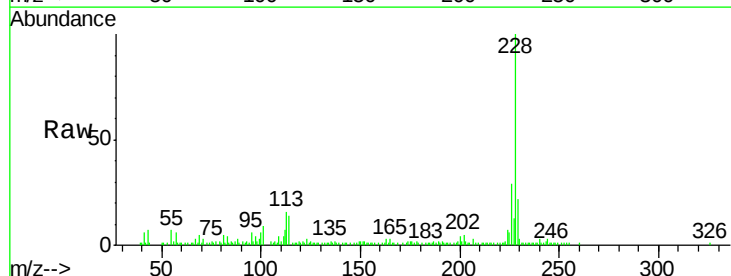


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

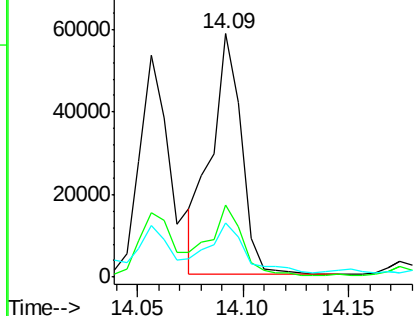
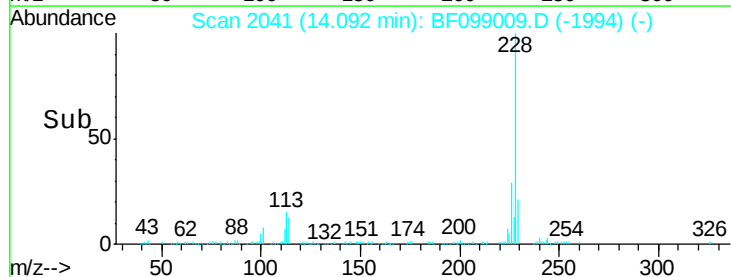


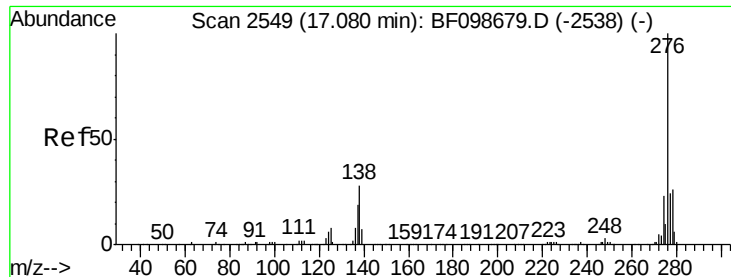
#82
Chrysene
Concen: 4.57 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:228 Resp: 58488
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 22.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

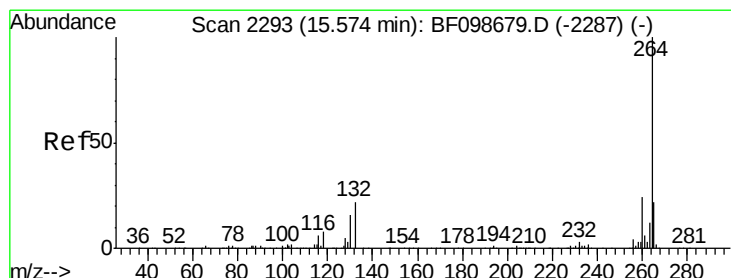
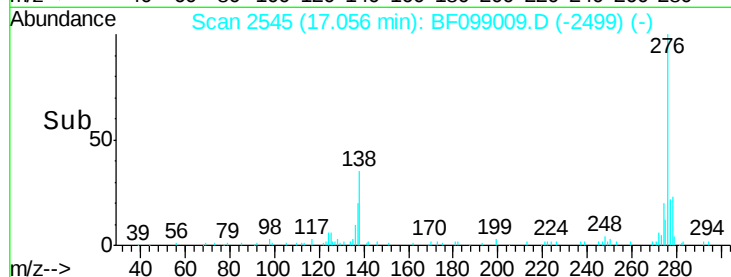
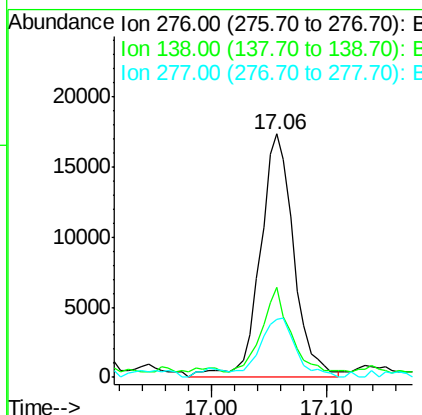
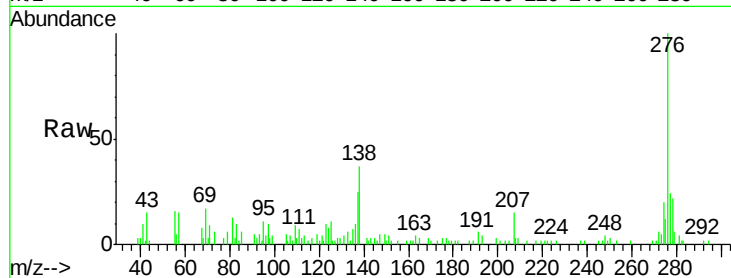




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.44 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

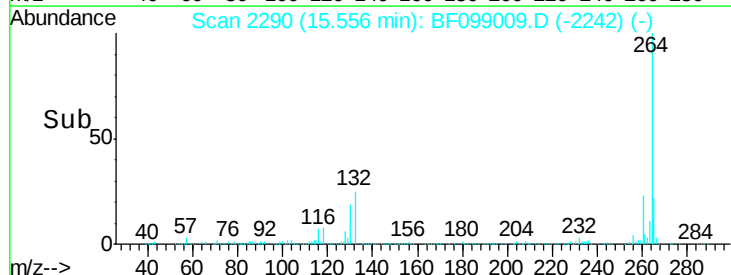
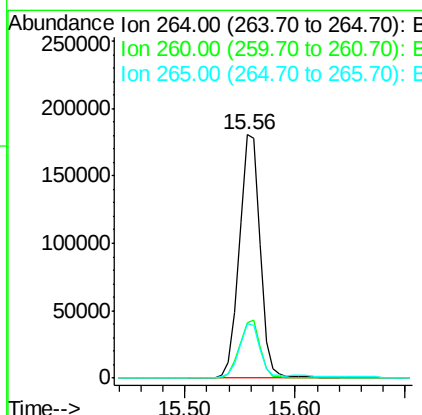
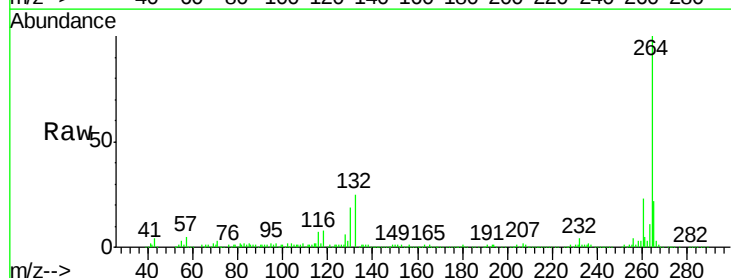
Instrument :
BNA_F
ClientSampleId :

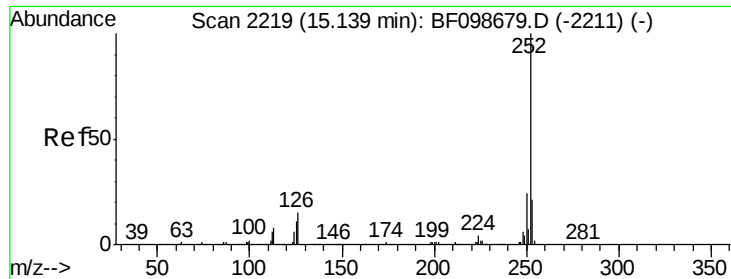
Tot Ion:276 Resp: 35252
Ion Ratio Lower Upper
276 100
138 29.5 25.0 37.6
277 26.3 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:264 Resp: 240445
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.1 17.5 26.3

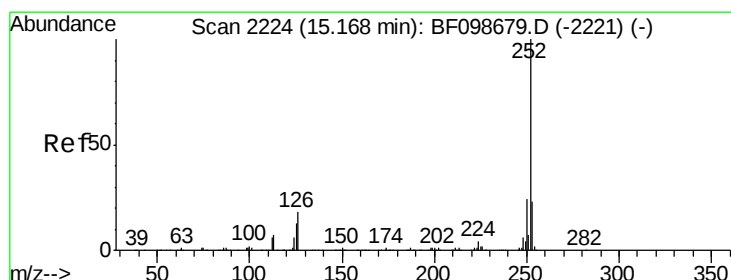
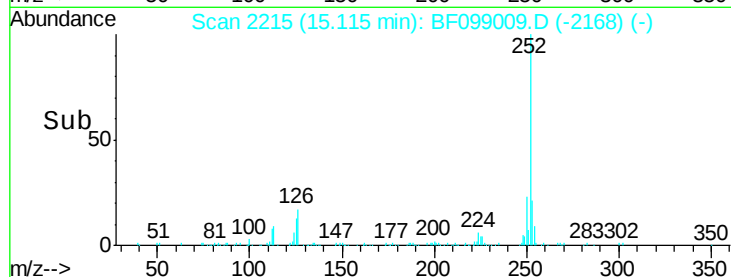
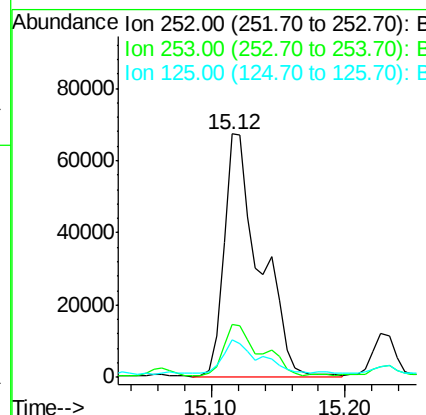
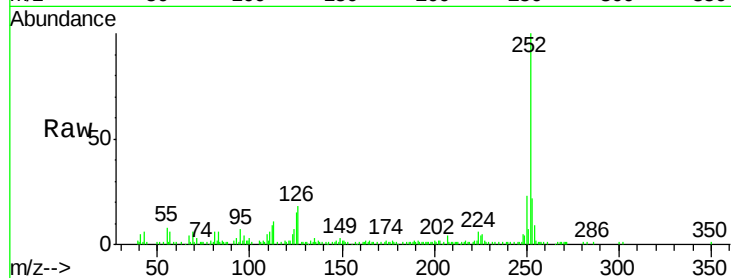




#87
Benzo(b)fluoranthene
Concen: 8.57 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

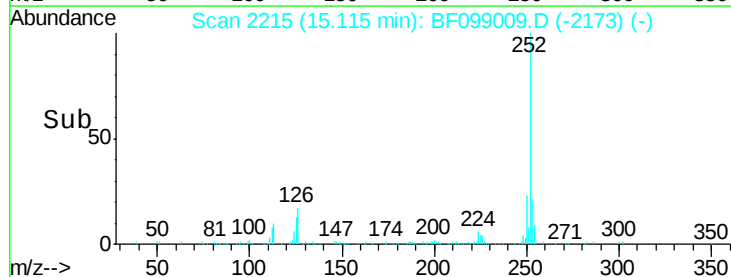
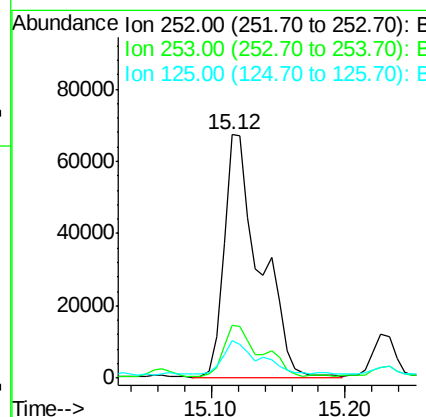
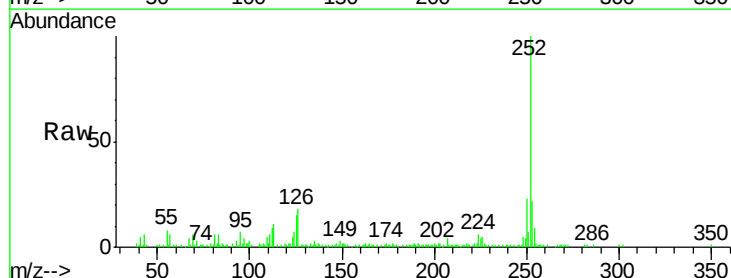
Instrument :
BNA_F
ClientSampleId :

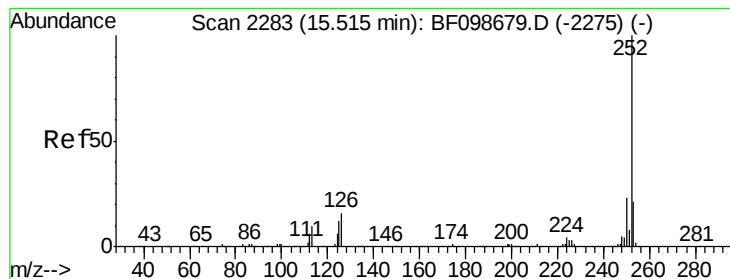
Tot Ion:252 Resp: 126678
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 15.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 8.68 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF099009.D
Acq: 2 Oct 2017 19:38

Tgt Ion:252 Resp: 126678
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 15.3 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 3.38 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

Instrument :

BNA_F

ClientSampleId :

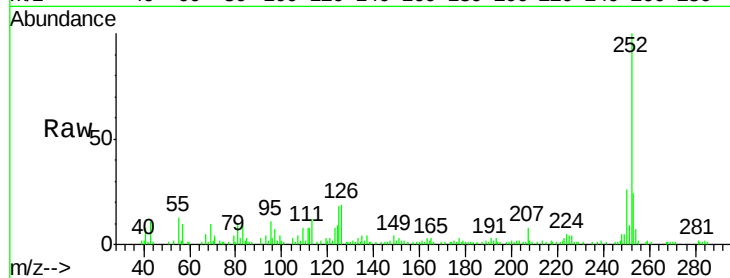
Tot Ion:252 Resp: 45826

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

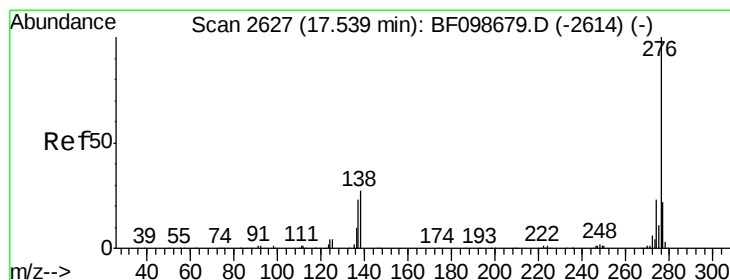
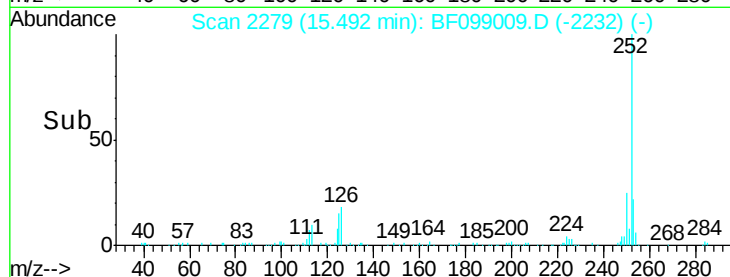
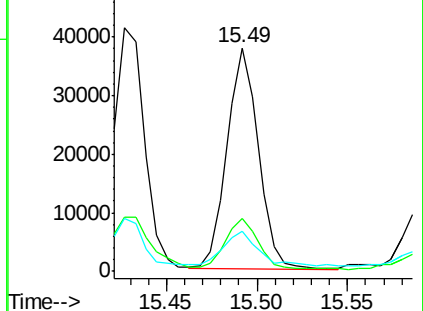
125 18.0 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.66 ng

RT: 17.52 min Scan# 2623

Delta R.T. -0.03 min

Lab File: BF099009.D

Acq: 2 Oct 2017 19:38

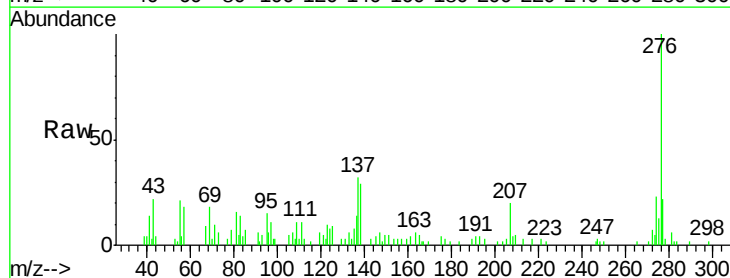
Tgt Ion:276 Resp: 28527

Ion Ratio Lower Upper

276 100

277 21.7 17.9 26.9

138 28.8 21.8 32.8



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

