

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101094.D
 Acq On : 4 Dec 2017 13:35
 Operator : SJ/JU
 Sample : I6620-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 14:51:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	47405	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	183400	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	85308	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	144961	20.00	ng	0.00
75) Chrysene-d12	14.02	240	109807	20.00	ng	0.00
86) Perylene-d12	15.50	264	108172	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	275319	95.97	ng	0.00
7) Phenol-d6	6.48	99	324826	93.26	ng	0.00
23) Nitrobenzene-d5	7.41	82	198869	64.68	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	82702	80.70	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	433772	69.57	ng	0.00
78) Terphenyl-d14	12.96	244	334633	66.66	ng	0.00

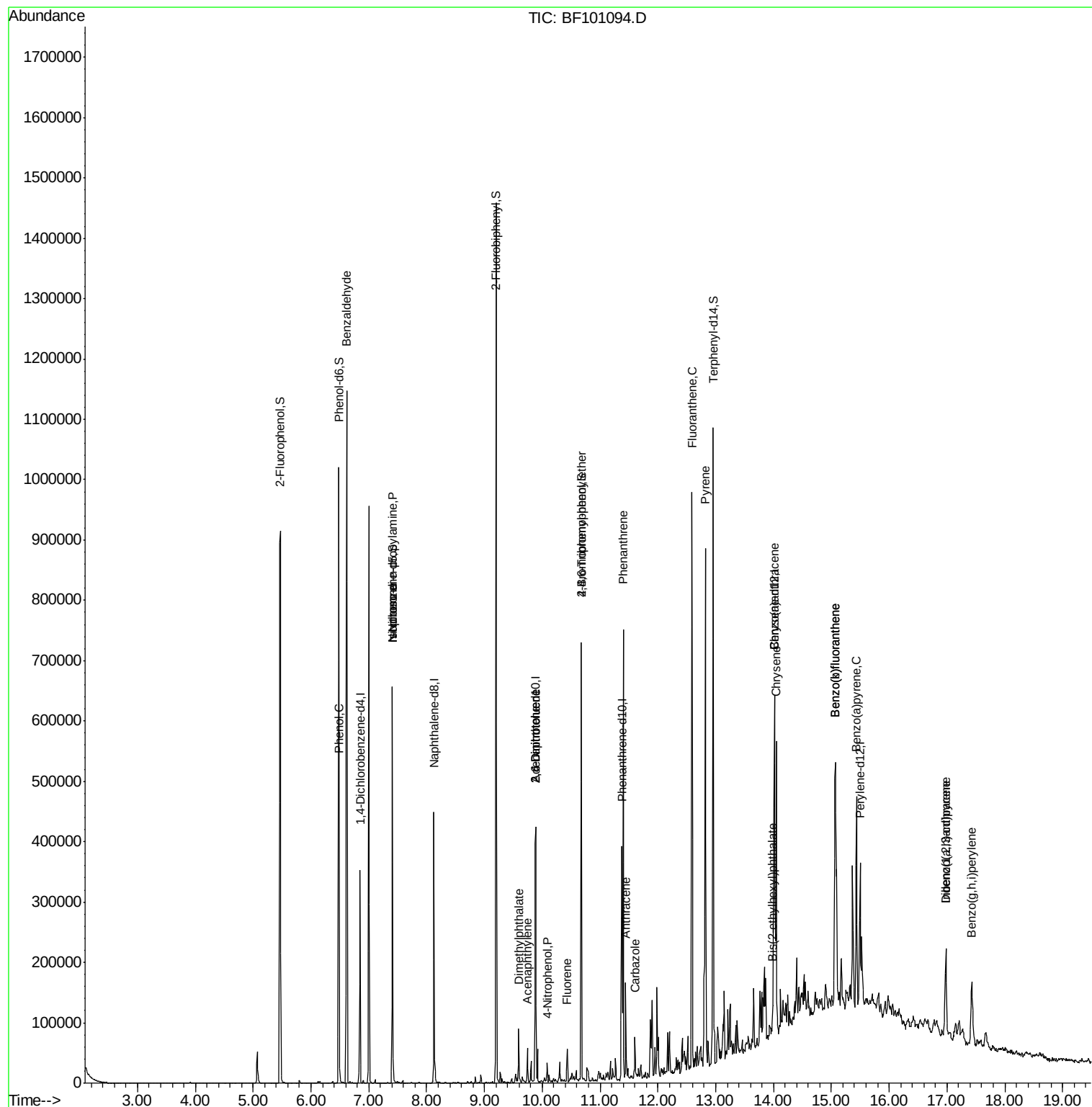
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	6024	2.83	ng	87
10) Phenol	6.49	94	11149	2.88	ng	99
19) n-Nitroso-di-n-propylamine	7.41	70	26092	11.12	ng	# 81
25) Isophorone	7.41	82	198900	37.87	ng	# 64
48) Acenaphthylene	9.75	152	21169	2.32	ng	99
49) Dimethylphthalate	9.59	163	33791	4.91	ng	98
50) 2,6-Dinitrotoluene	9.88	165	11280	7.78	ng	# 24
55) 4-Nitrophenol	10.09	139	3474	3.16	ng	# 9
56) 2,4-Dinitrotoluene	9.88	165	11280	5.81	ng	# 21
57) Fluorene	10.43	166	16382	2.56	ng	99
66) 4-Bromophenyl-phenylether	10.67	248	5325	3.28	ng	# 1
70) Phenanthrene	11.40	178	257801	32.29	ng	97
71) Anthracene	11.45	178	64662	8.00	ng	99
72) Carbazole	11.60	167	24159	3.27	ng	97
74) Fluoranthene	12.59	202	384474	43.45	ng	94
77) Pyrene	12.82	202	345677	45.62	ng	99
80) Benzo(a)anthracene	14.01	228	184741	26.65	ng	98
82) Chrysene	14.04	228	167730	26.05	ng	97
83) Bis(2-ethylhexyl)phthalate	13.98	149	11701	2.46	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.98	276	93402	16.32	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	318423	49.15	ng	98
88) Benzo(k)fluoranthene	15.07	252	318423	49.88	ng	98
89) Benzo(a)pyrene	15.43	252	163087	27.69	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	23342	4.49	ng	# 70
91) Benzo(g,h,i)perylene	17.43	276	85825	17.54	ng	# 92

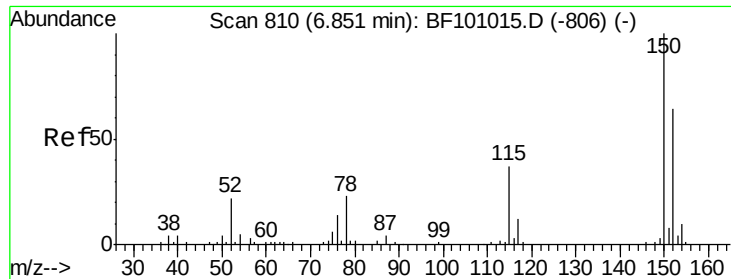
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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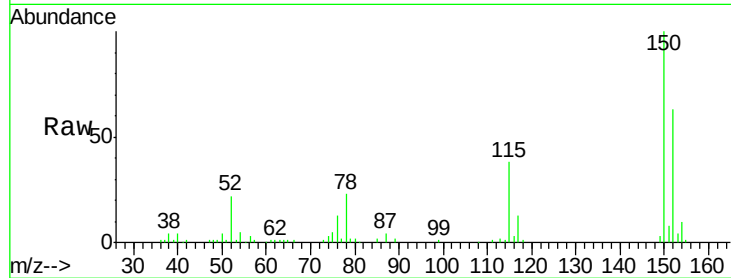


#1

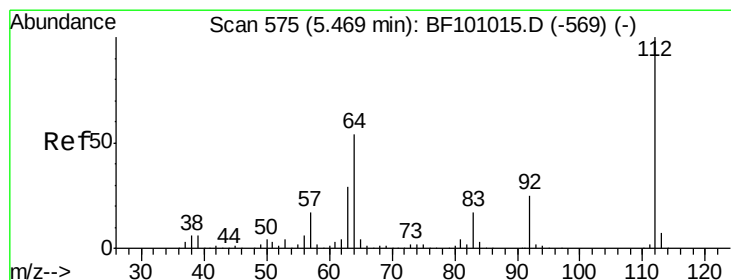
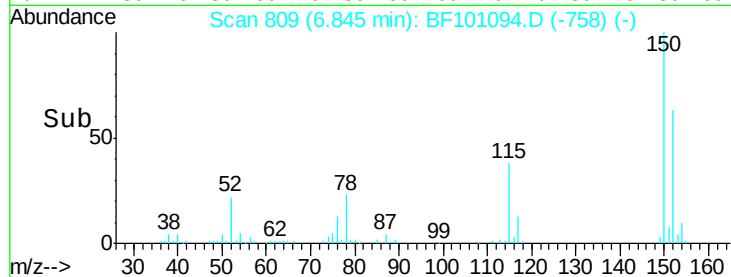
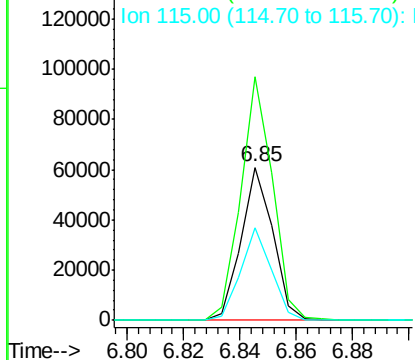
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 47405
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 60.2 50.1 75.1



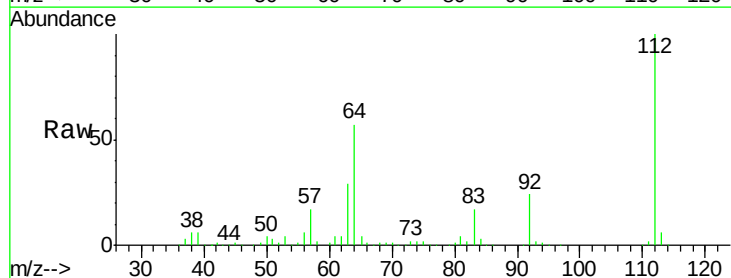
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



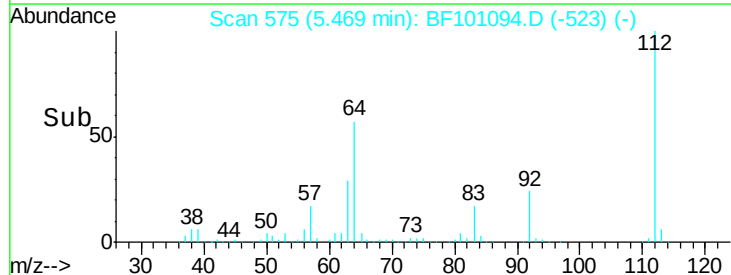
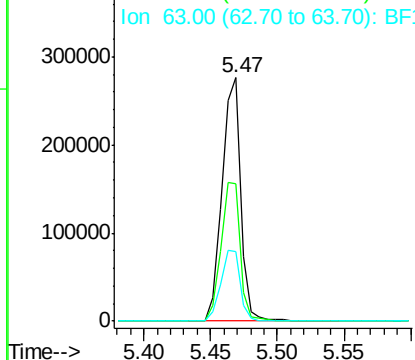
#5

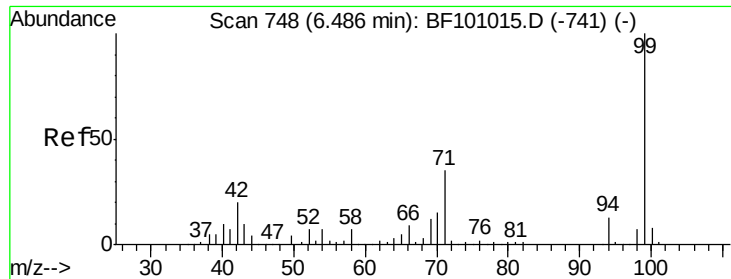
2-Fluorophenol
Concen: 95.97 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:112 Resp: 275319
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.26 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampled :

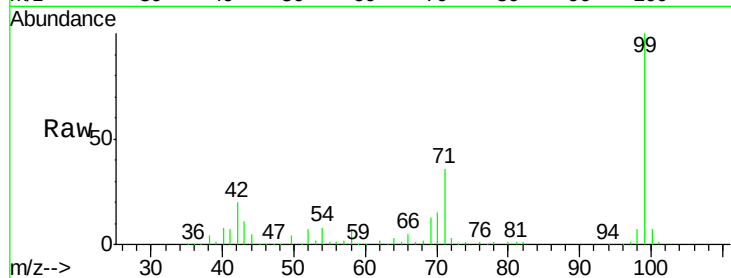
Tot Ion: 99 Resp: 324826

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

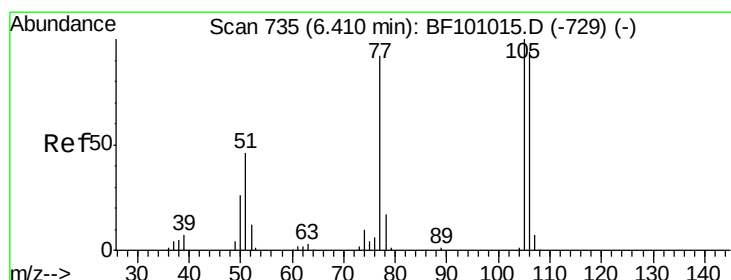
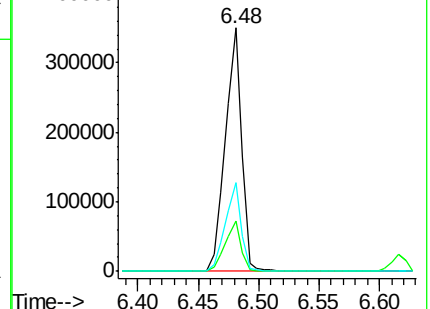
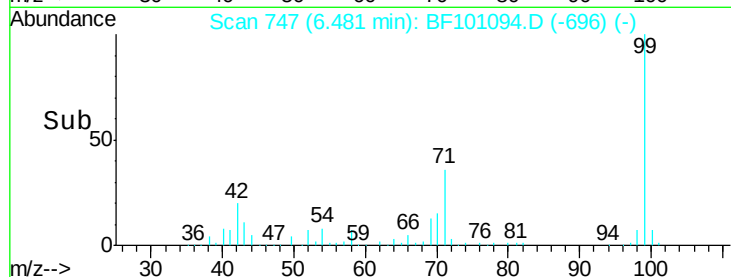
71 36.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.83 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

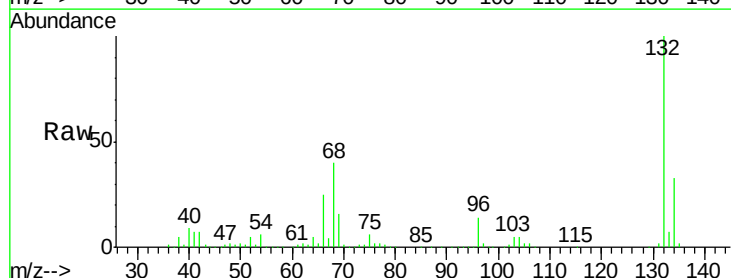
Tgt Ion: 77 Resp: 6024

Ion Ratio Lower Upper

77 100

105 91.6 81.1 121.1

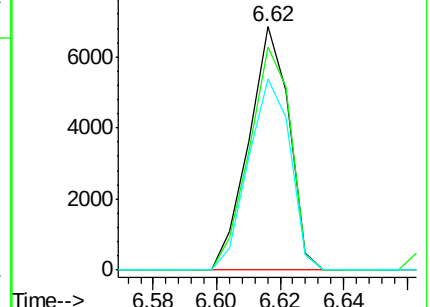
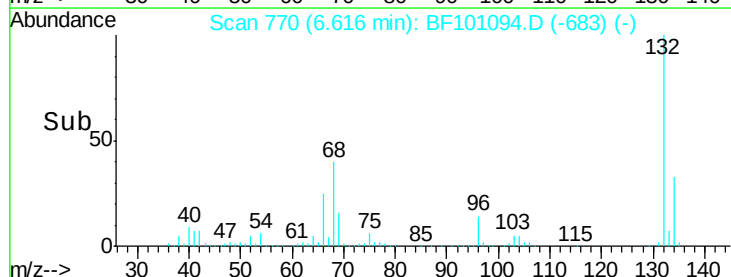
106 78.5 74.5 114.5

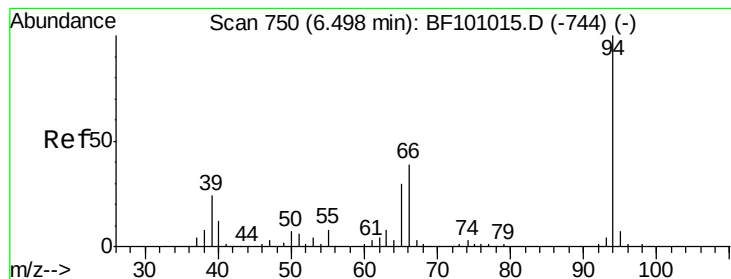


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.88 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

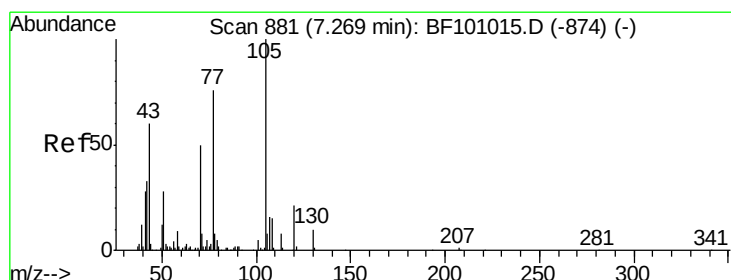
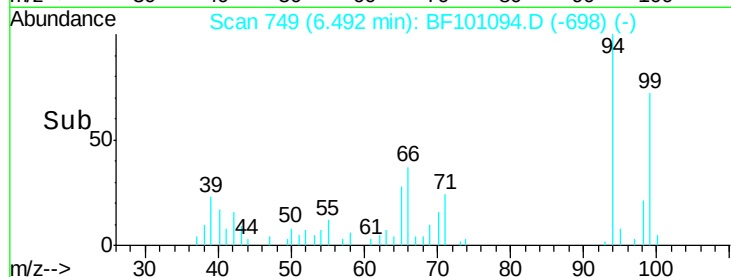
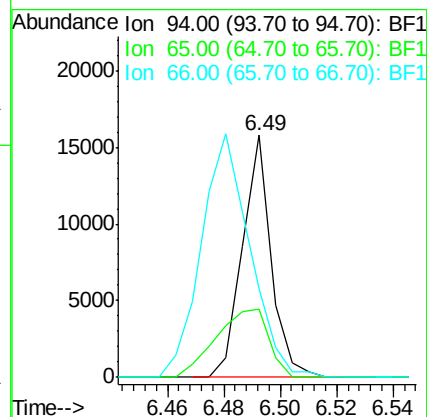
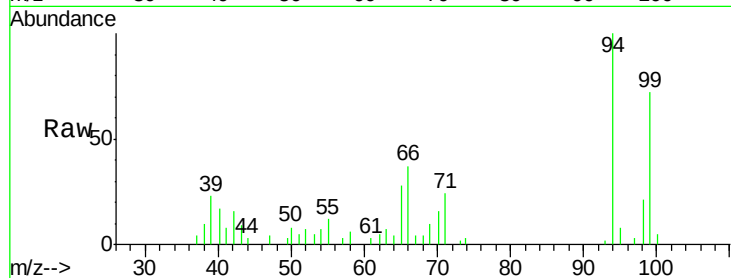
Tot Ion: 94 Resp: 11149

Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

66 36.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.12 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Tgt Ion: 70 Resp: 26092

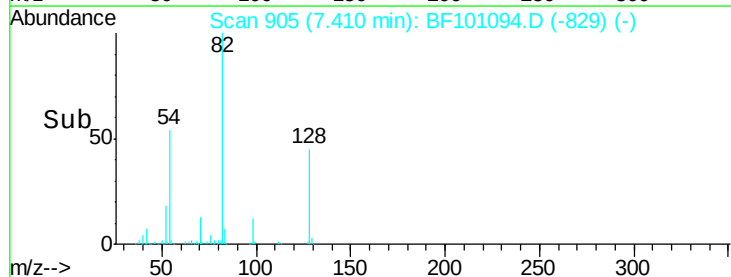
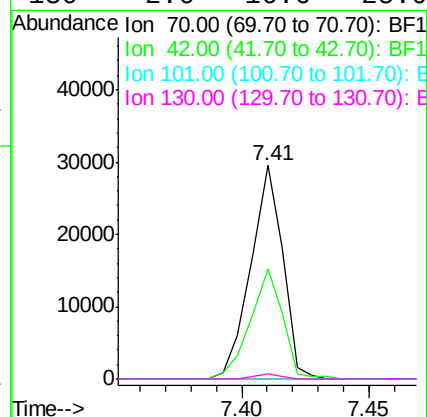
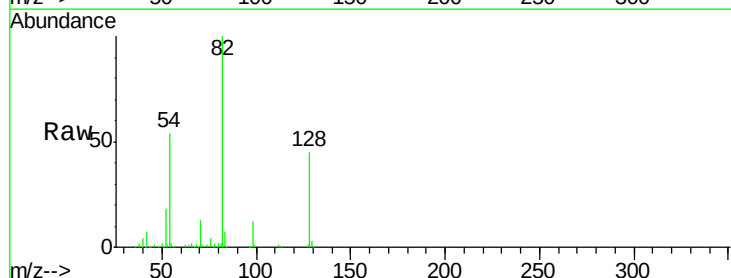
Ion Ratio Lower Upper

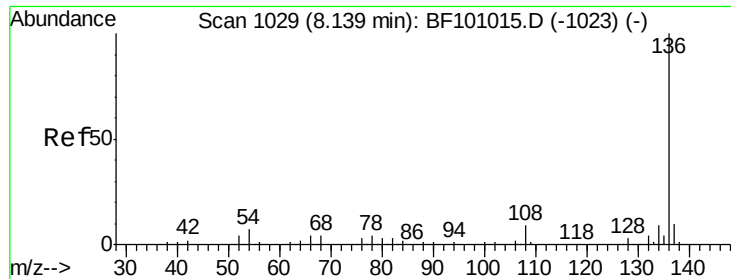
70 100

42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

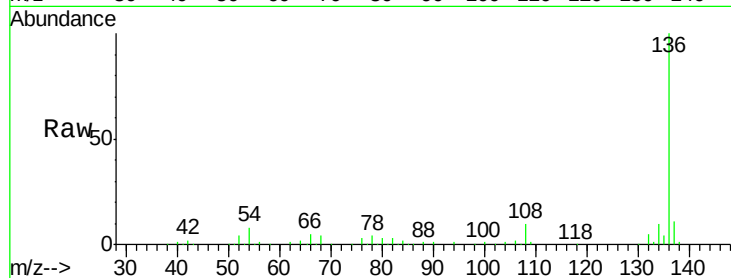




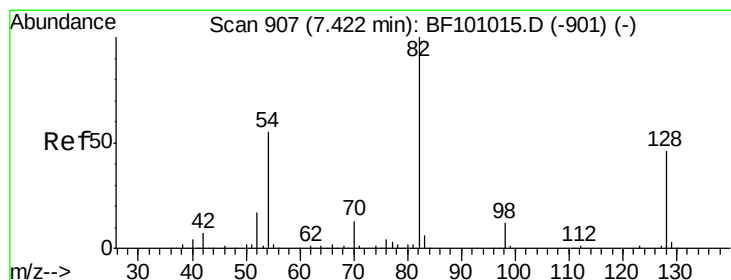
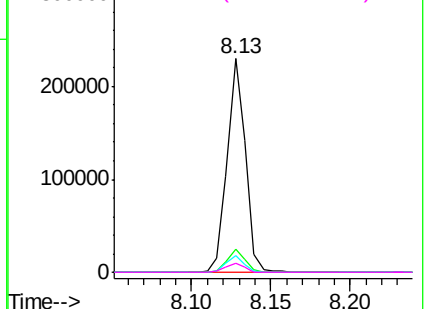
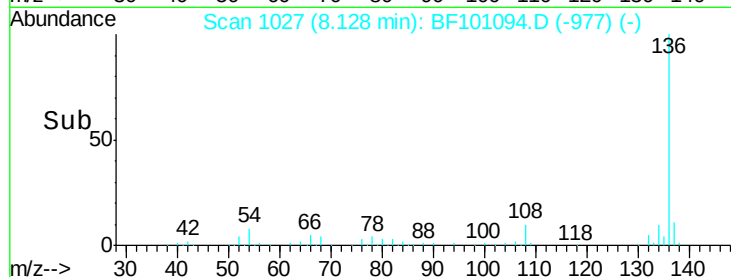
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	183400
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.6	6.6 9.8
68	4.4	5.0 7.4#

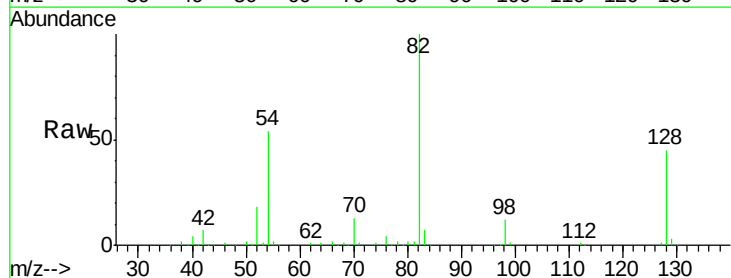


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

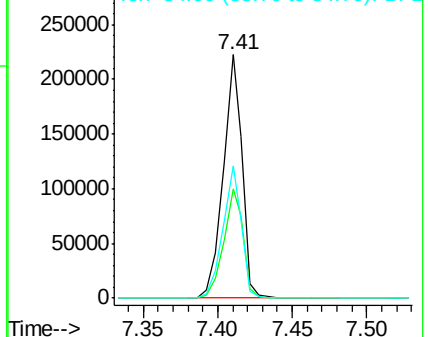
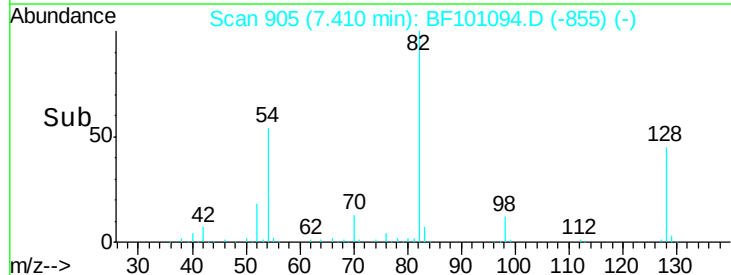


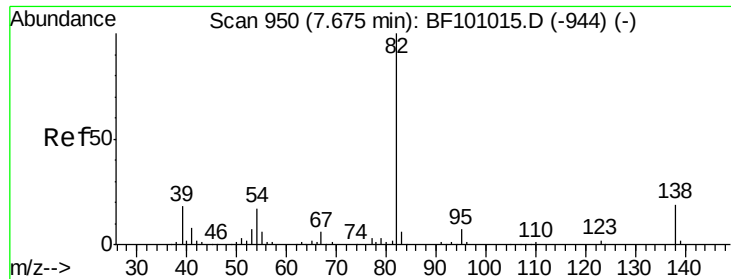
#23
Nitrobenzene-d5
Concen: 64.68 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion: 82	Resp:	198869
Ion Ratio	Lower	Upper
82	100	
128	44.7	36.1 54.1
54	54.5	41.4 62.2



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

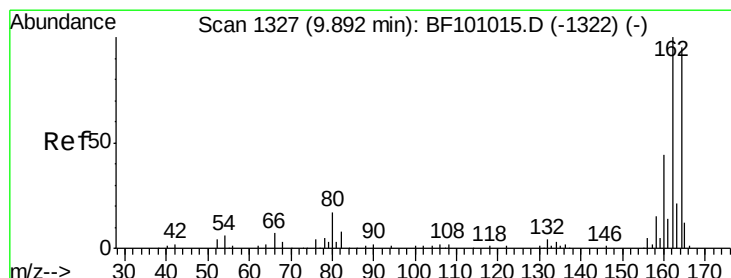
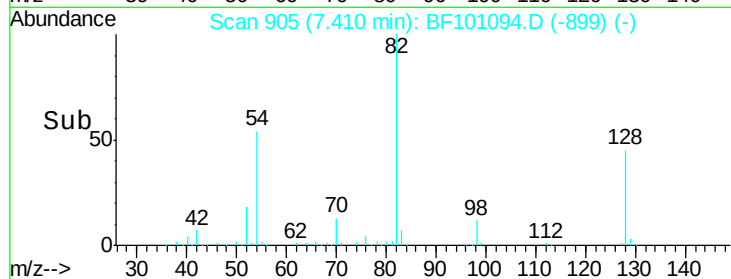
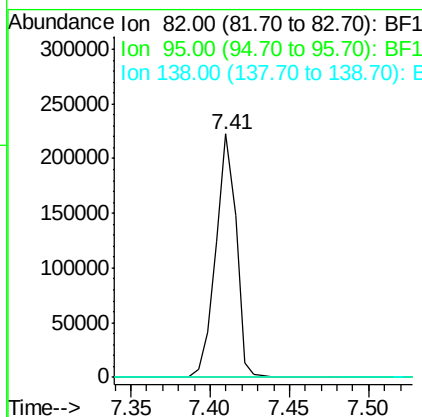
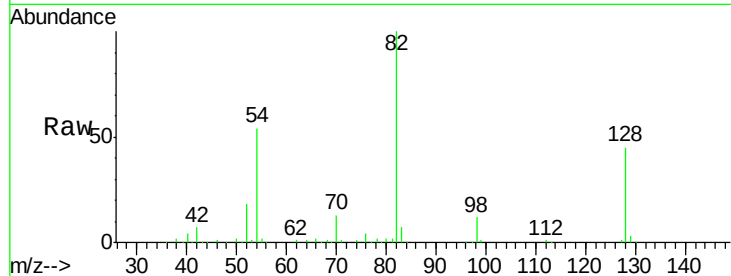




#25
Isophorone
Concen: 37.87 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

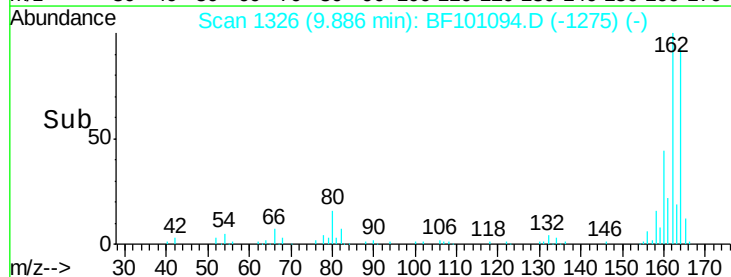
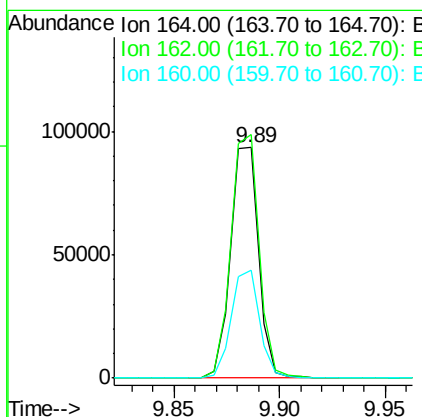
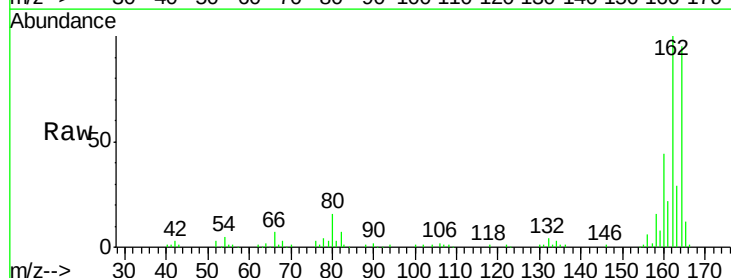
Instrument :
BNA_F
ClientSampled :

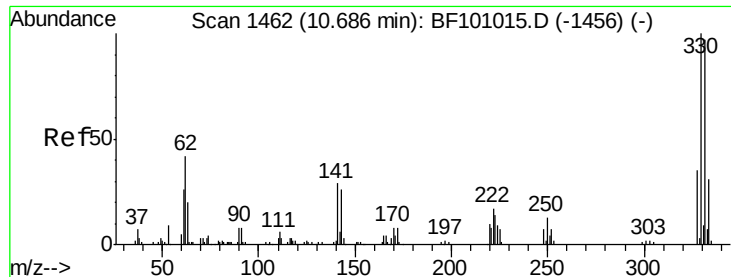
Tot Ion: 82 Resp: 198900
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:164 Resp: 85308
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 46.6 38.3 57.5

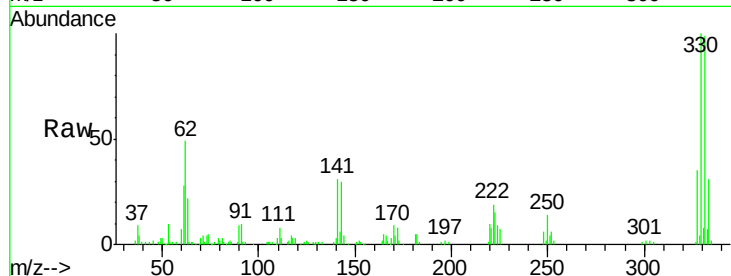




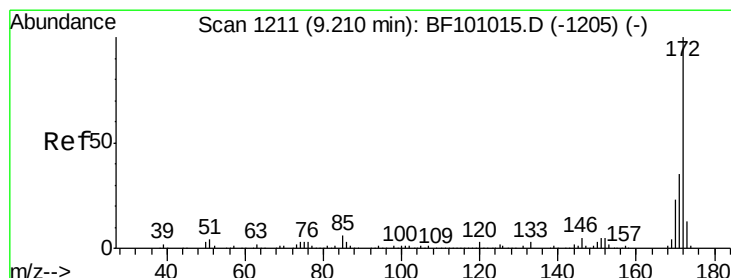
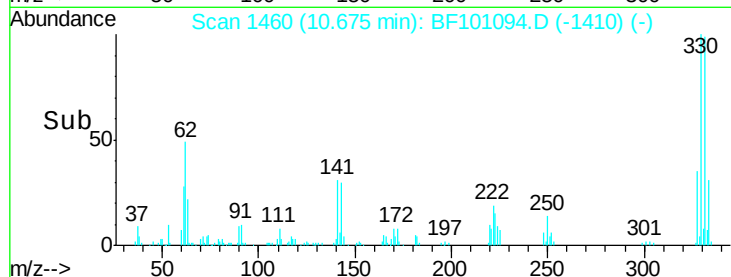
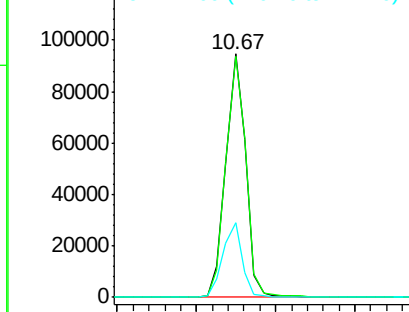
#41
 2,4,6-Tribromophenol
 Concen: 80.70 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 82702
 Ion Ratio Lower Upper
 330 100
 332 99.5 77.0 115.6
 141 30.2 29.9 44.9

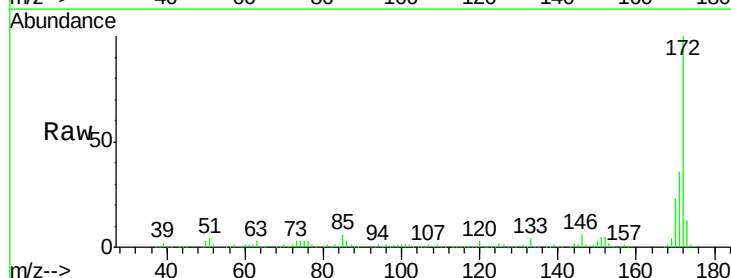


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

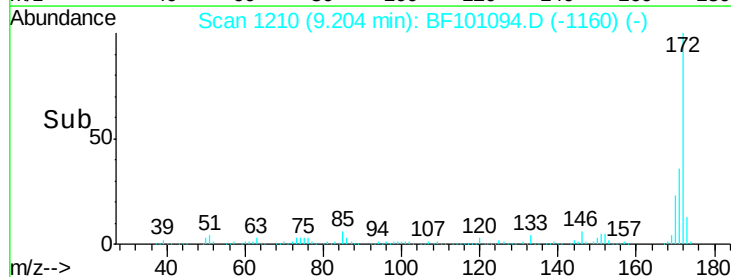
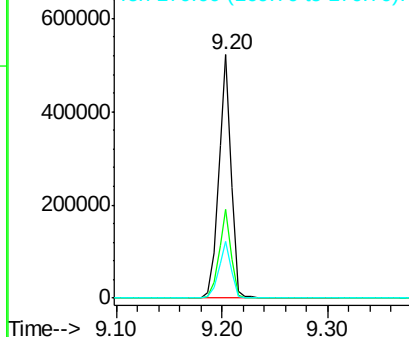


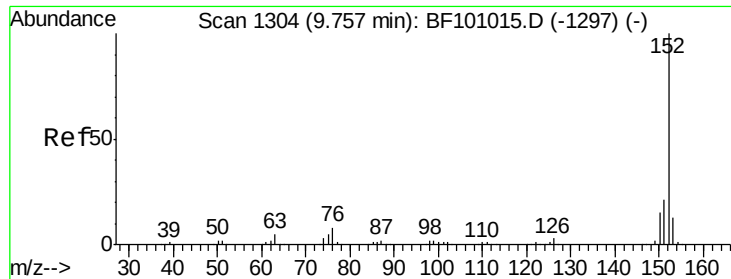
#44
 2-Fluorobiphenyl
 Concen: 69.57 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

Tgt Ion:172 Resp: 433772
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.3 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: 2.32 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

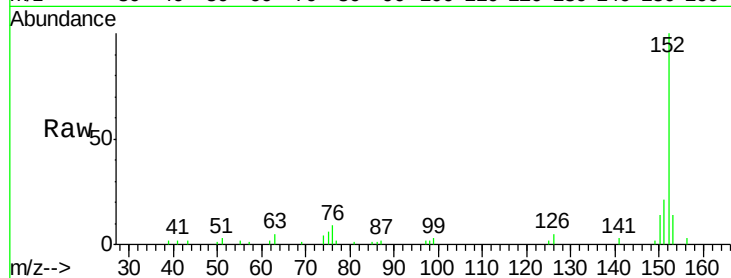
Tot Ion:152 Resp: 21169

Ion Ratio Lower Upper

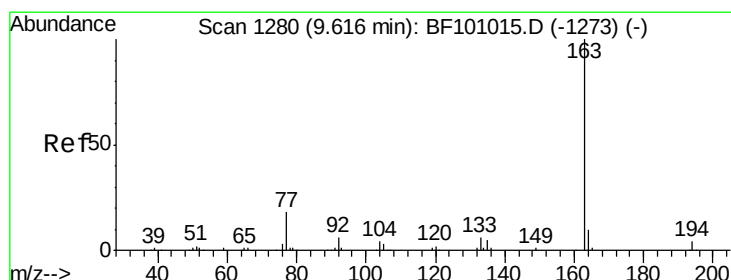
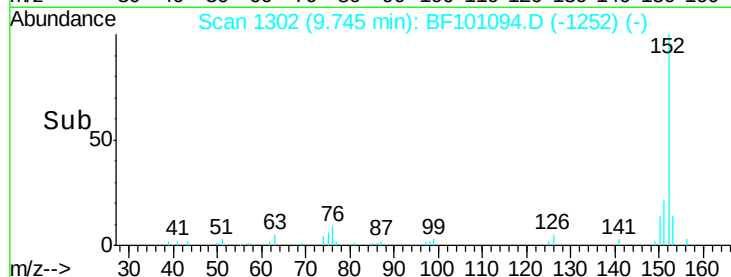
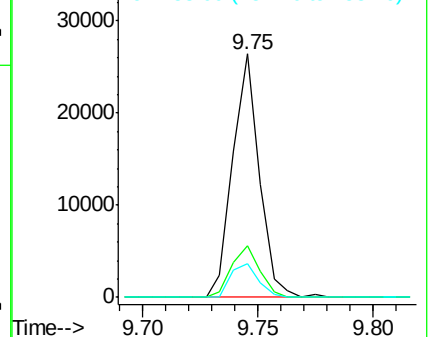
152 100

151 21.1 16.3 24.5

153 14.0 10.7 16.1



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: 4.91 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

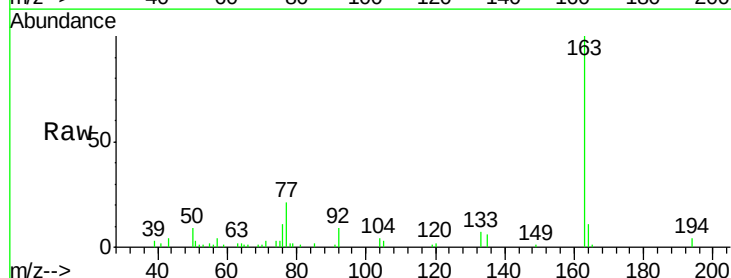
Tgt Ion:163 Resp: 33791

Ion Ratio Lower Upper

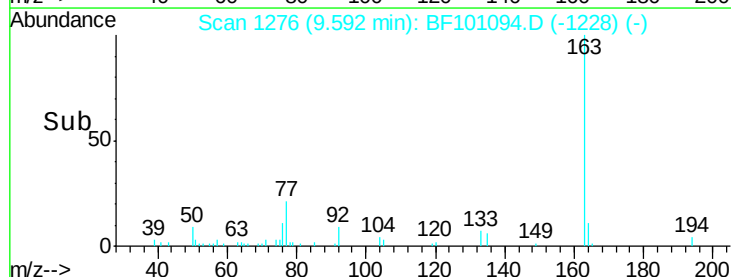
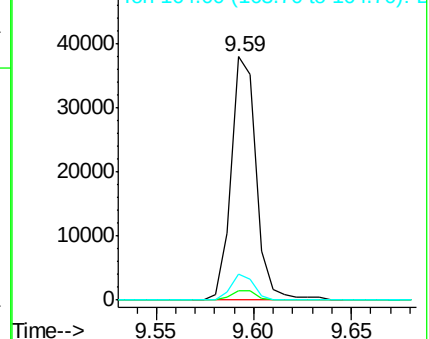
163 100

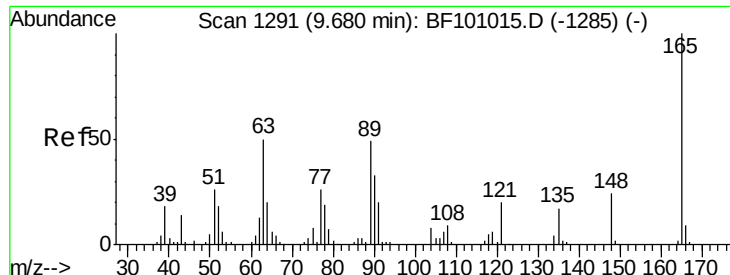
194 3.9 2.7 4.1

164 10.9 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

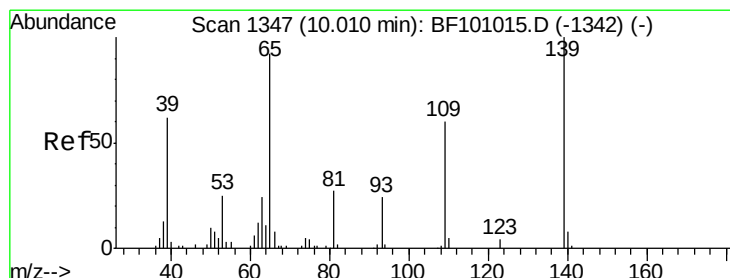
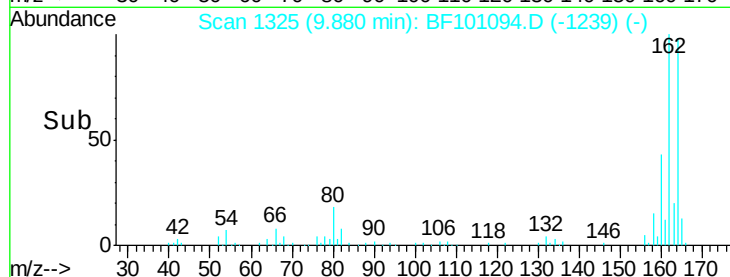
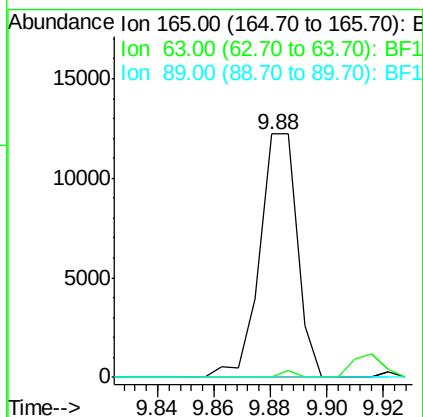
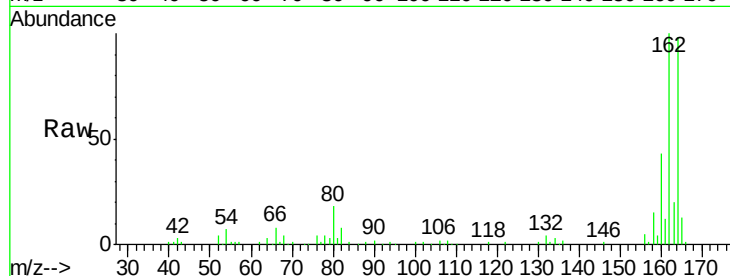




#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

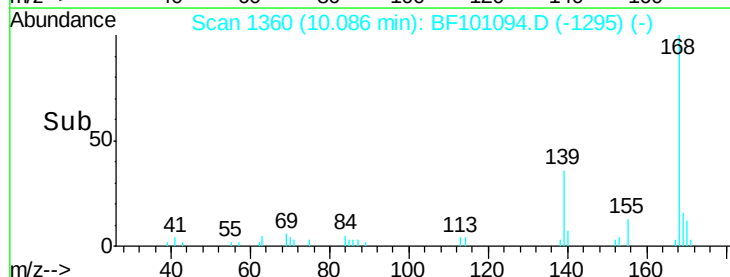
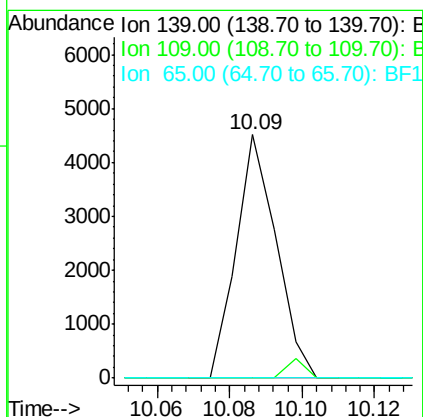
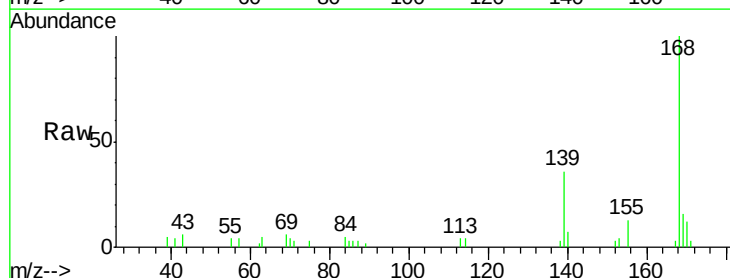
Instrument :
 BNA_F
 ClientSampleId :

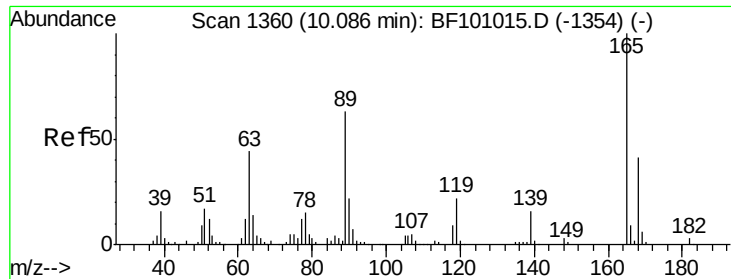
Tot Ion:165 Resp: 11280
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 3.16 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.08 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

Tgt Ion:139 Resp: 3474
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 0.0 72.6 112.6#

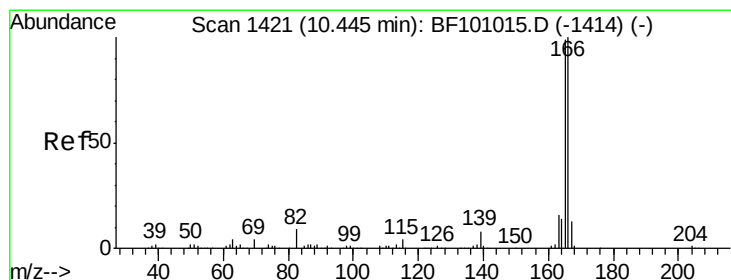
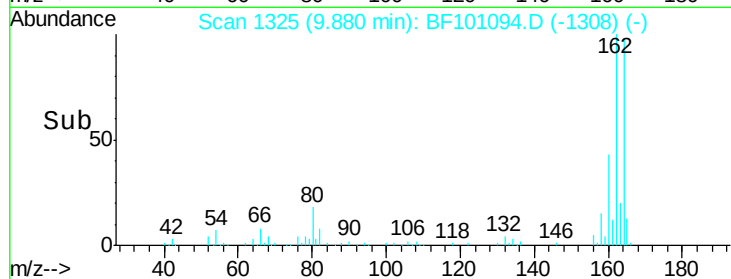
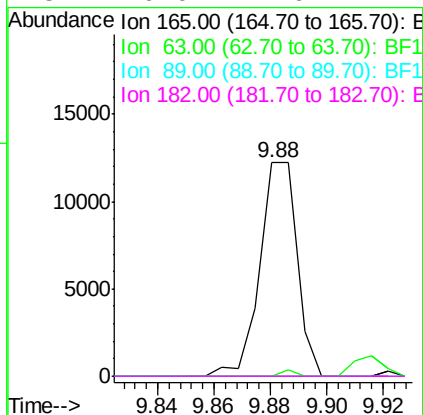
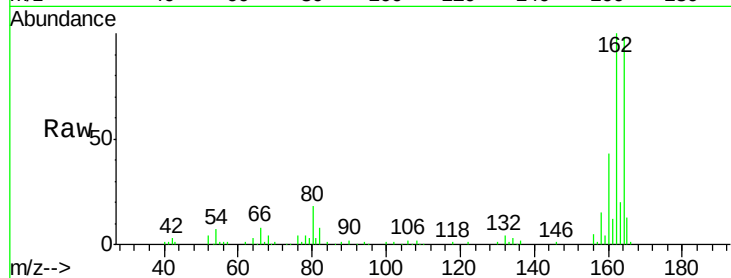




#56
2,4-Dinitrotoluene
Concen: 5.81 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.20 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

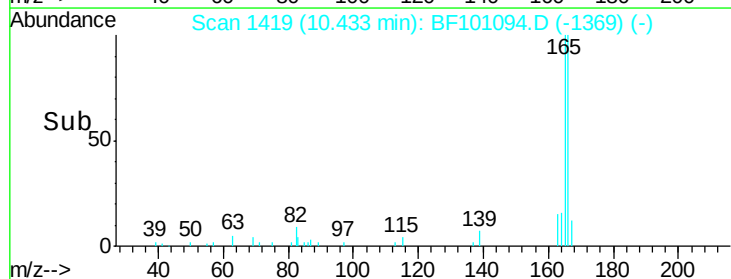
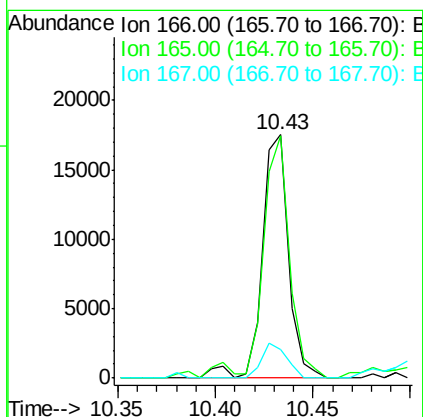
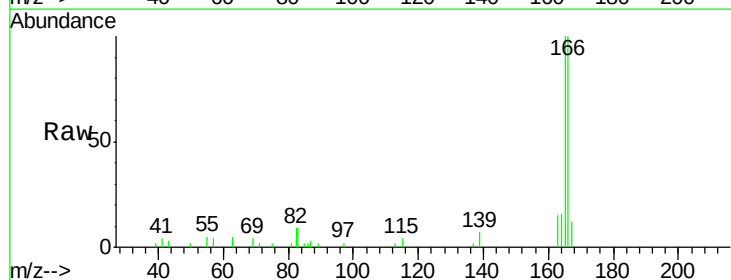
Instrument :
BNA_F
ClientSampleId :

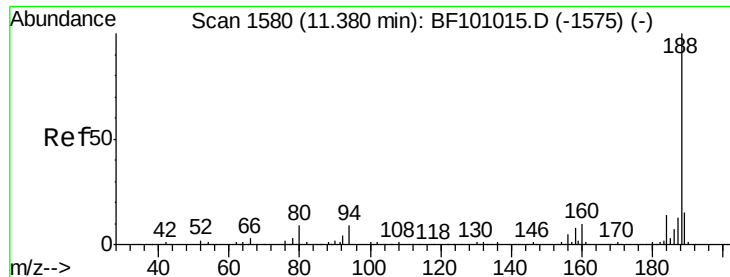
Tot Ion:165	Resp:	11280
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 2.56 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:166	Resp:	16382
Ion Ratio	Lower	Upper
166	100	
165	99.8	79.8 119.8
167	11.6	10.6 16.0

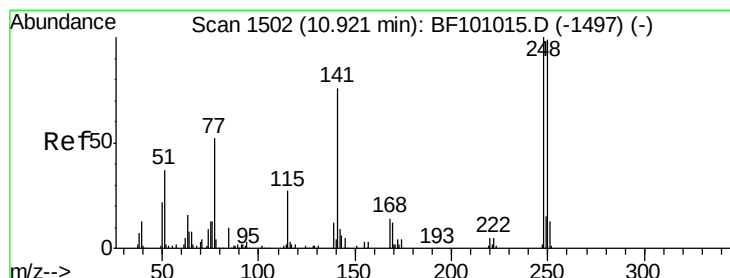
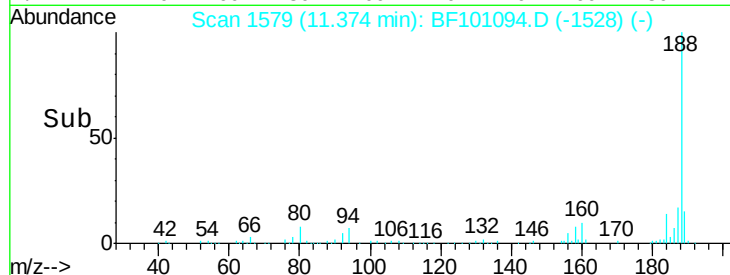
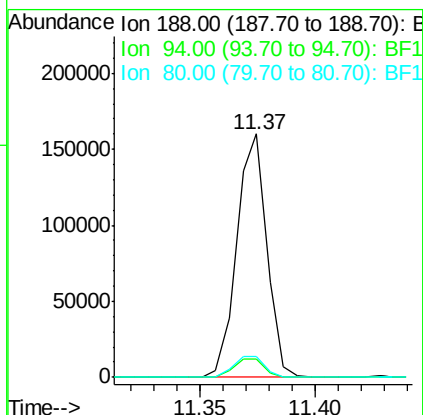
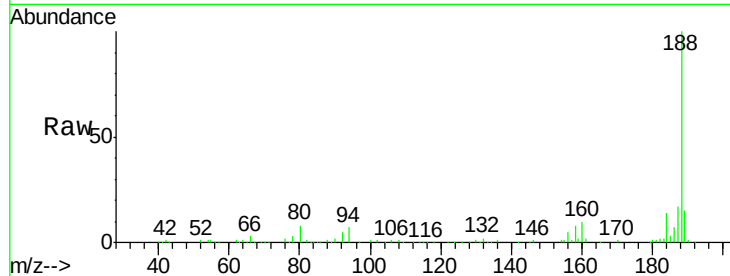




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

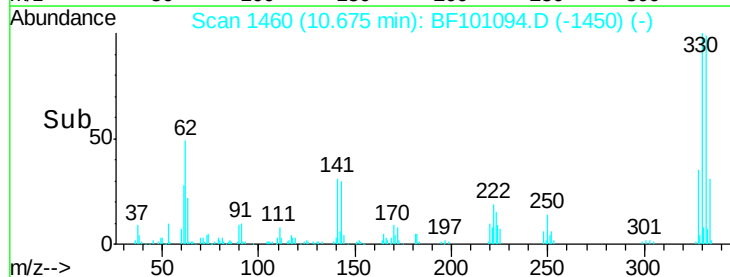
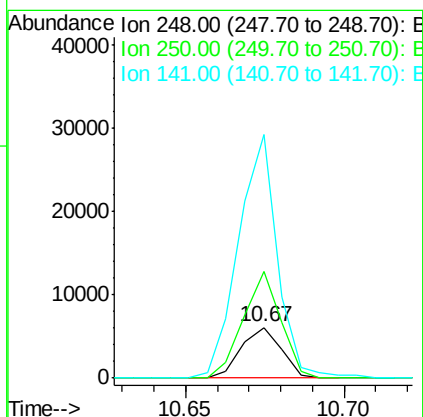
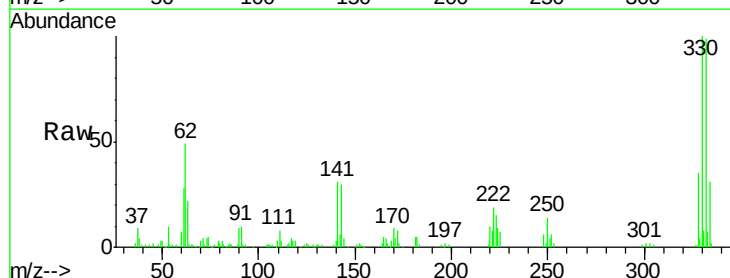
Instrument :
 BNA_F
 ClientSampleId :

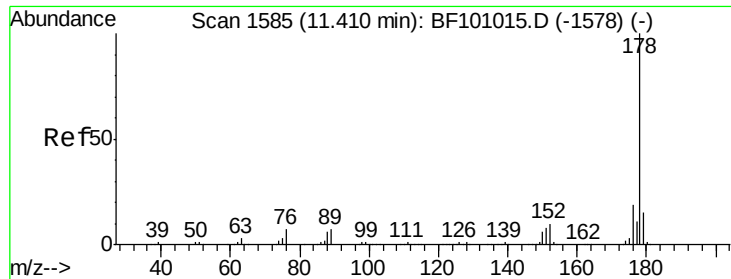
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	8.4	9.2	13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.28 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101094.D
 Acq: 4 Dec 2017 13:35

Tgt Ion	Ratio	Lower	Upper
248	100		
250	209.9	76.9	115.3#
141	479.8	74.4	111.6#

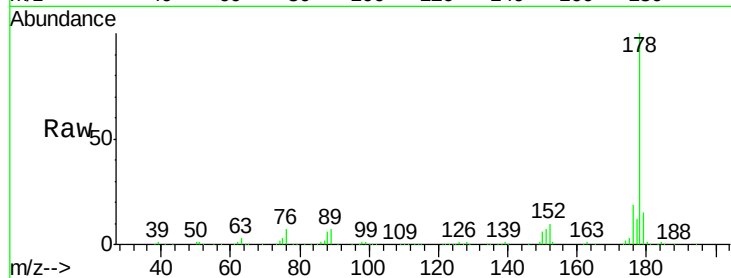




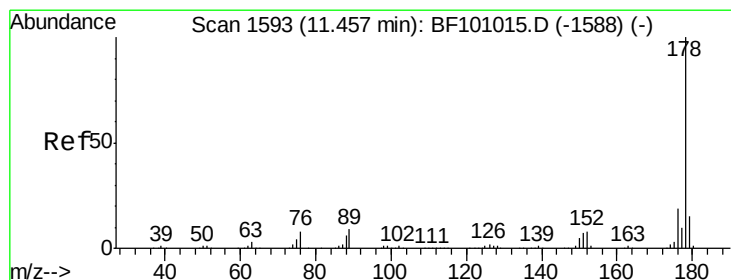
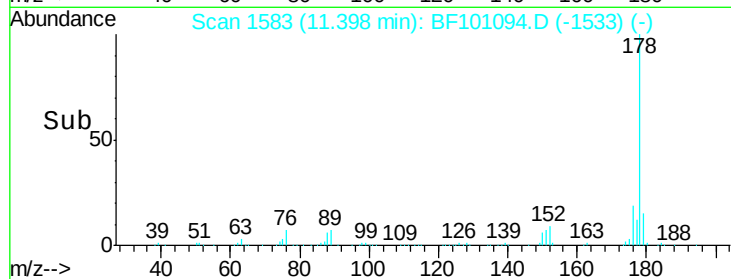
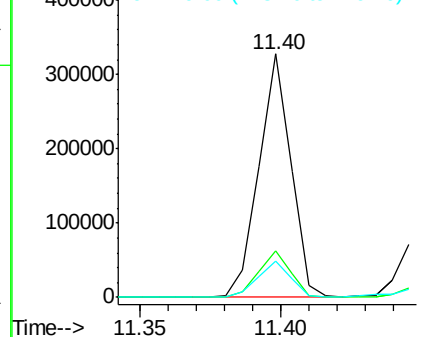
#70
Phenanthrene
Concen: 32.29 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 257801
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 14.8 13.0 19.6

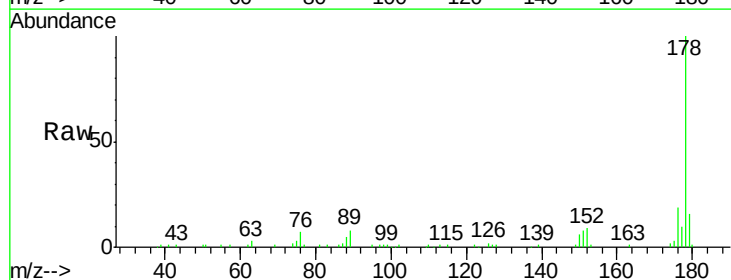


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

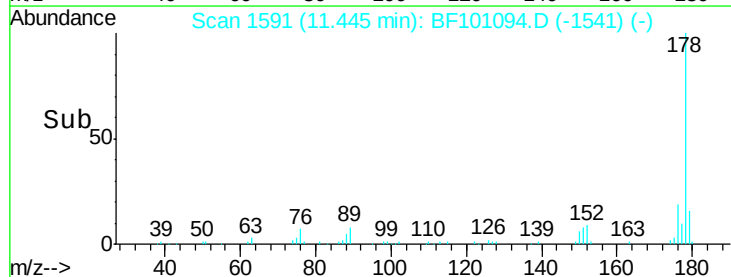
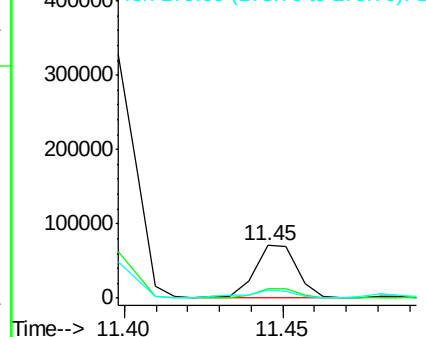


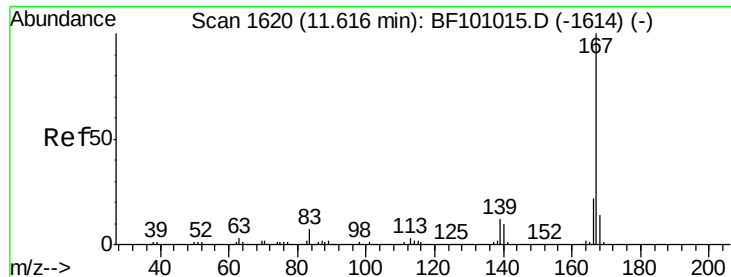
#71
Anthracene
Concen: 8.00 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:178 Resp: 64662
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.2 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: 3.27 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

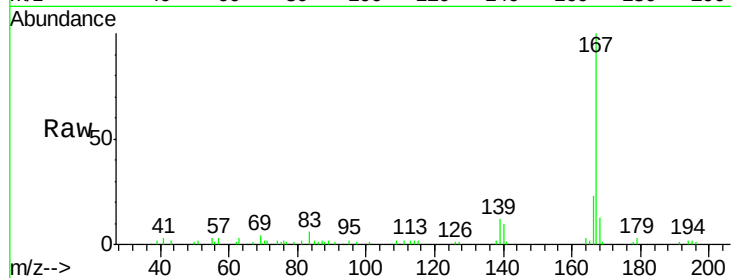
Tot Ion:167 Resp: 24159

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

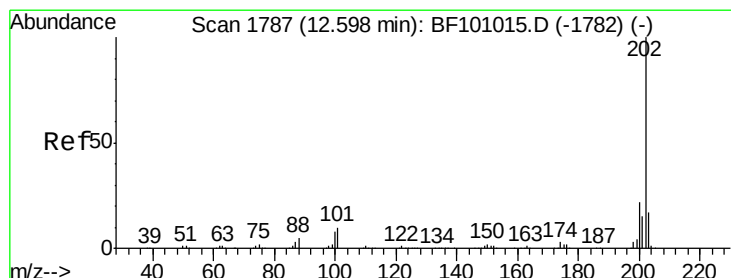
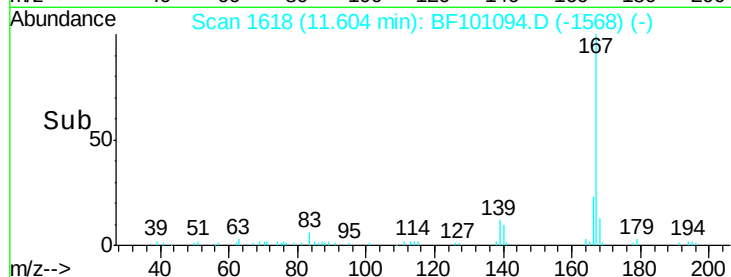
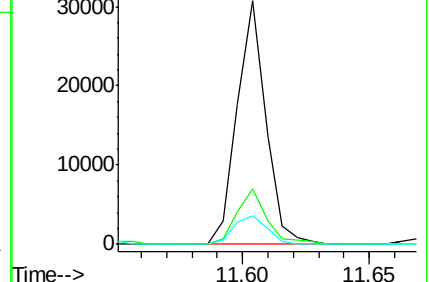
139 11.7 10.9 16.3



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: 43.45 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

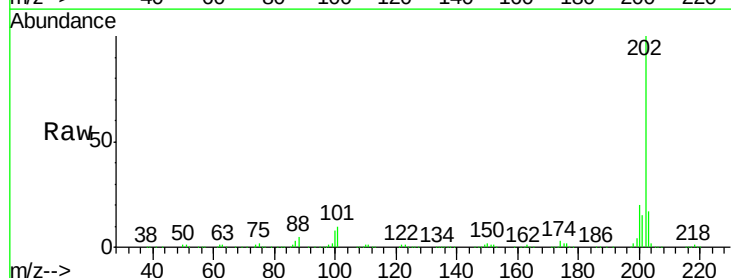
Tgt Ion:202 Resp: 384474

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.1

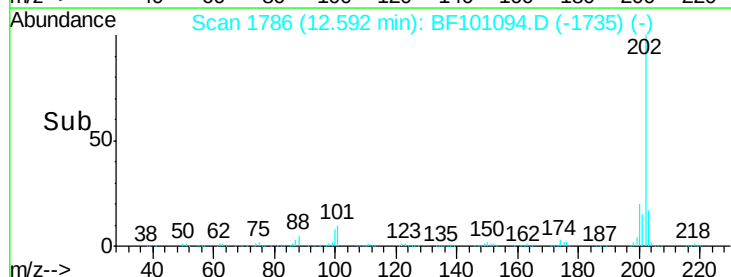
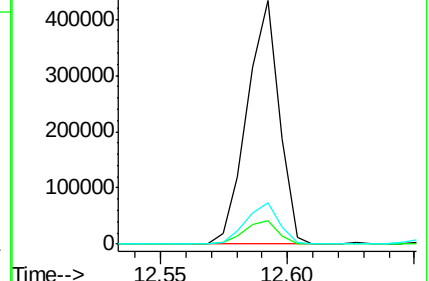
203 17.0 0.0 38.1

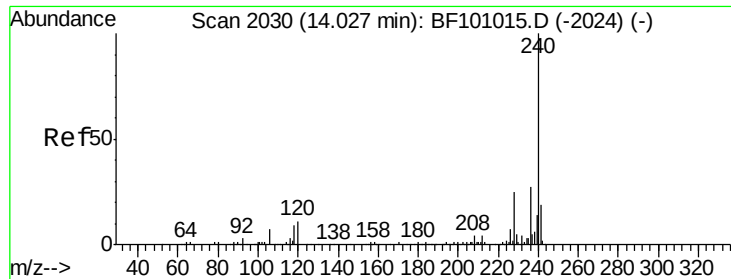


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101094.D

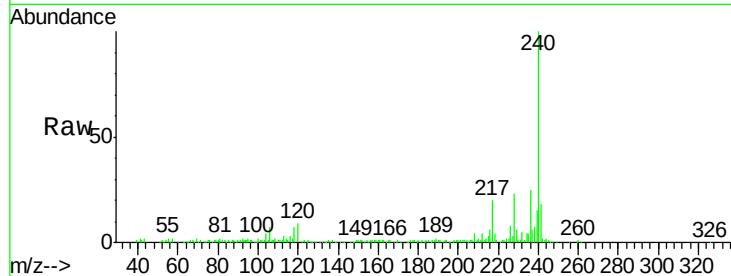
Acq: 4 Dec 2017 13:35

Instrument :

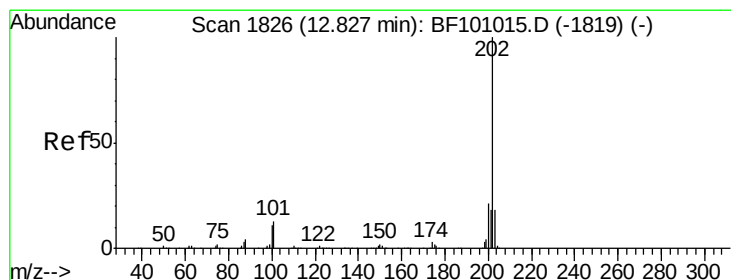
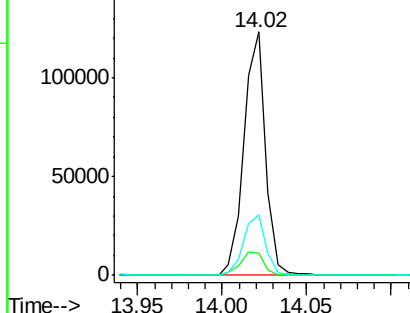
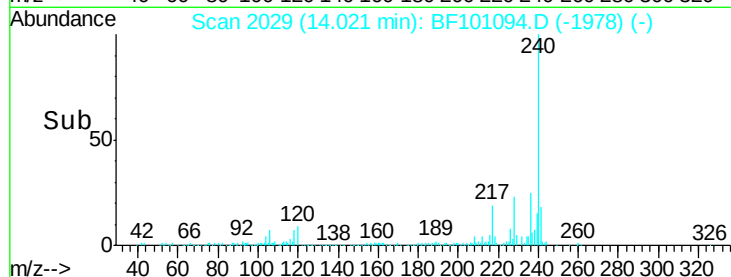
BNA_F

ClientSampleId :

Tot Ion:240 Resp: 109807
 Ion Ratio Lower Upper
 240 100
 120 9.3 9.5 14.3#
 236 24.9 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

Pyrene

Concen: 45.62 ng

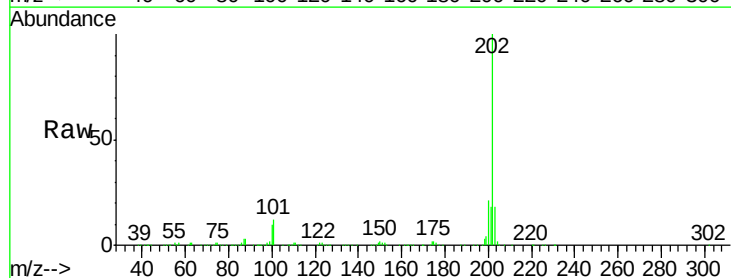
RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

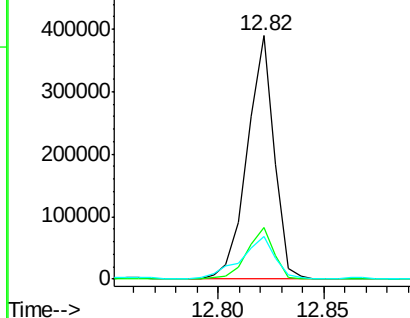
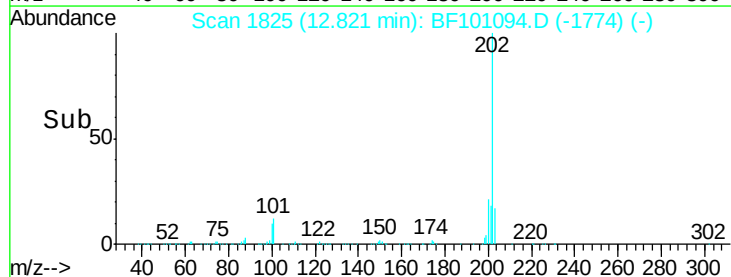
Lab File: BF101094.D

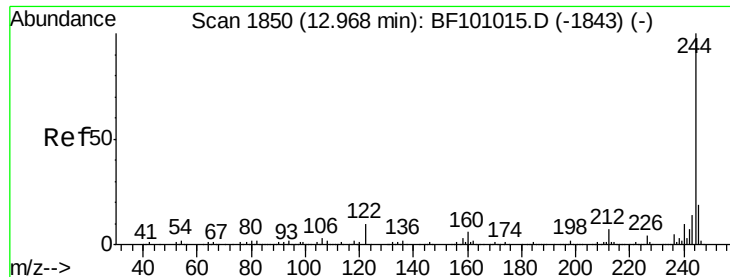
Acq: 4 Dec 2017 13:35

Tgt Ion:202 Resp: 345677
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 17.5 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: 66.66 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

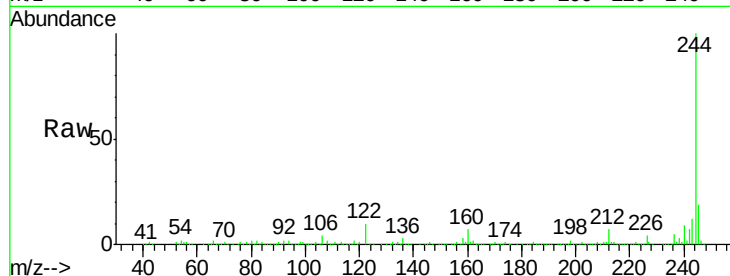
Tot Ion:244 Resp: 334633

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

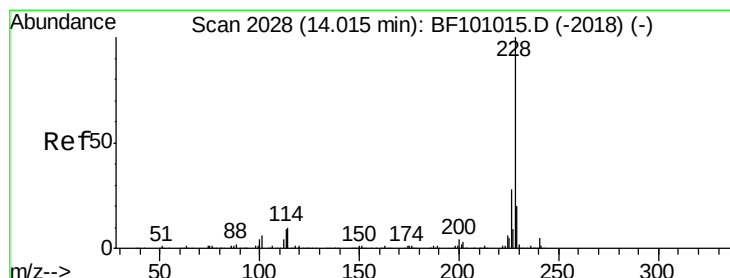
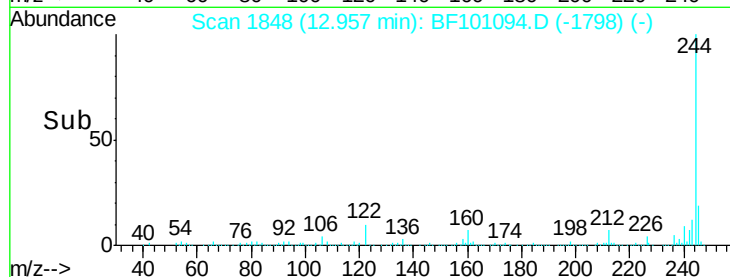
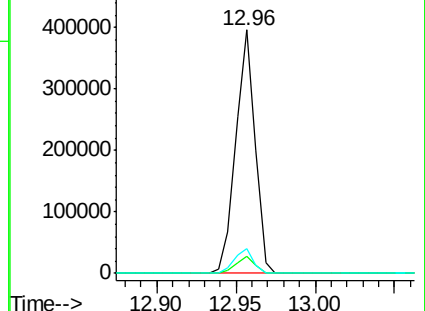
122 10.2 11.0 16.4#



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: 26.65 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

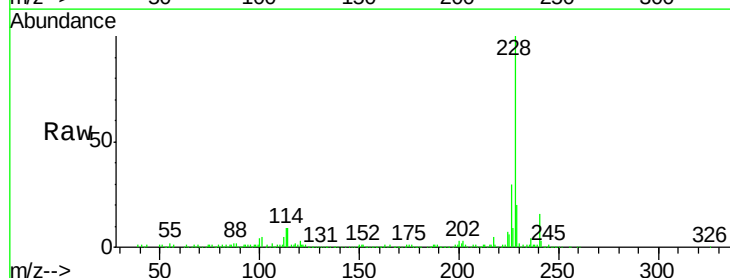
Tgt Ion:228 Resp: 184741

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

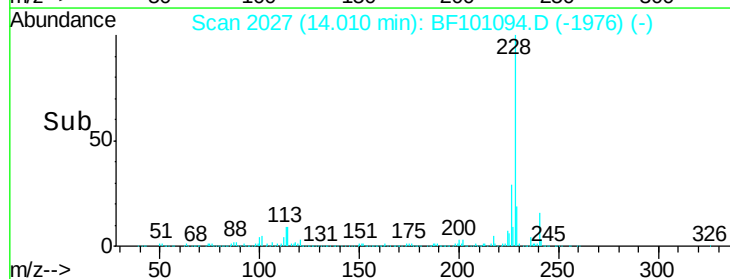
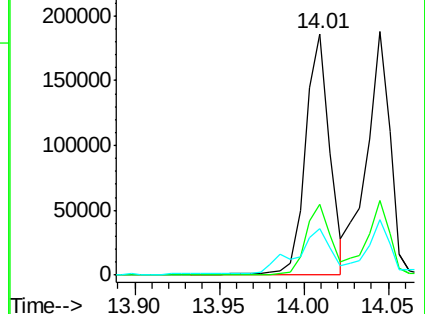
229 19.5 15.8 23.6

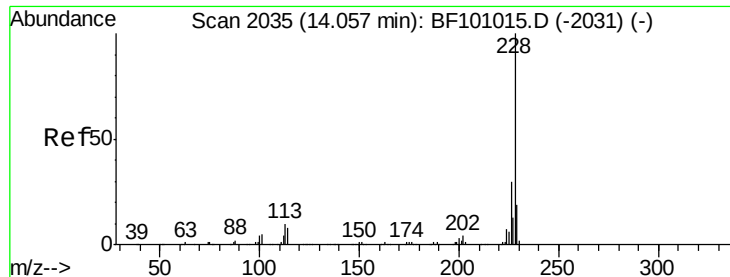


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

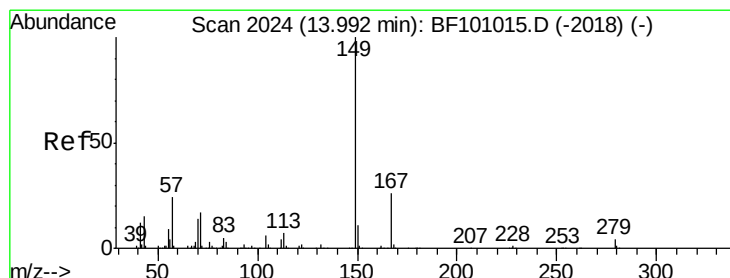
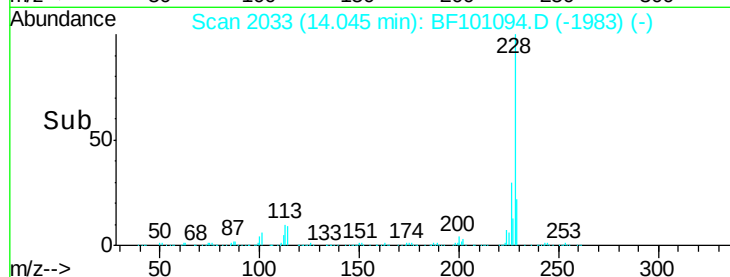
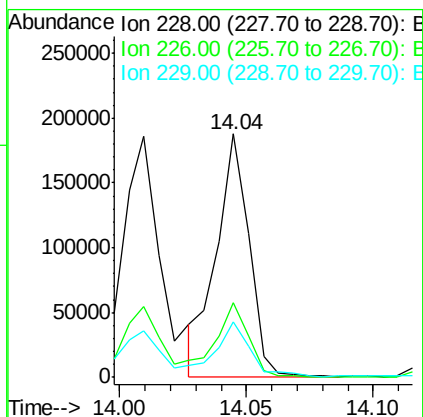
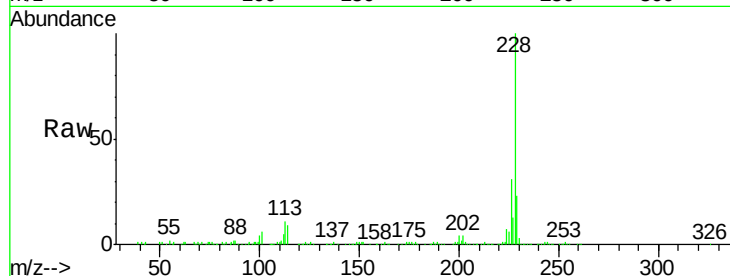




#82
Chrysene
Concen: 26.05 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

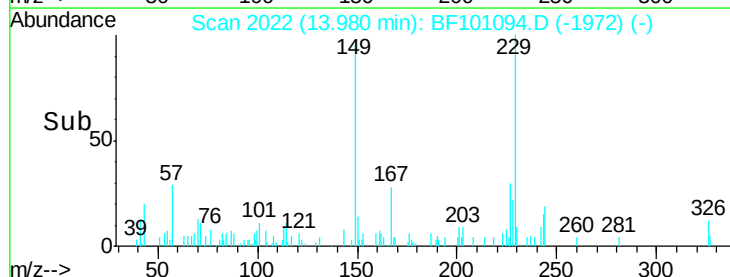
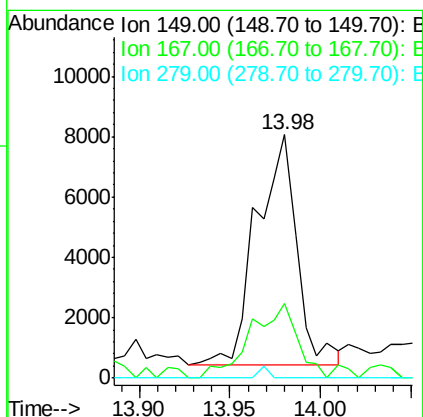
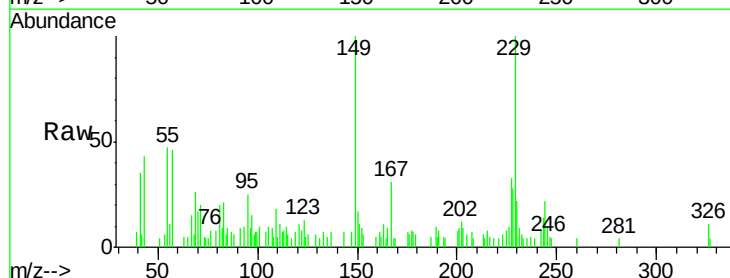
Instrument :
BNA_F
ClientSampleId :

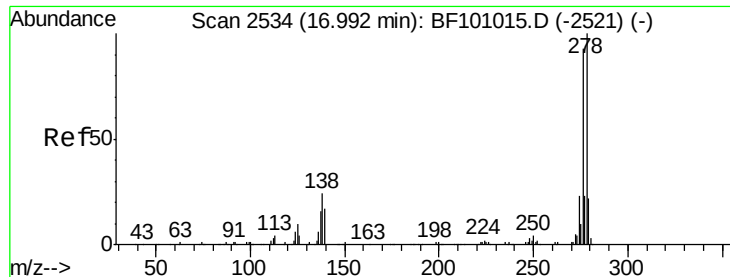
Tot Ion:228 Resp: 167730
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.7 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.46 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:149 Resp: 11701
Ion Ratio Lower Upper
149 100
167 30.7 21.3 31.9
279 0.0 3.0 4.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.32 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

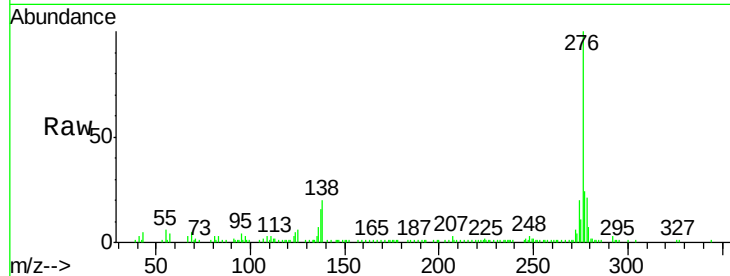
Tot Ion:276 Resp: 93402

Ion Ratio Lower Upper

276 100

138 20.3 25.0 37.6#

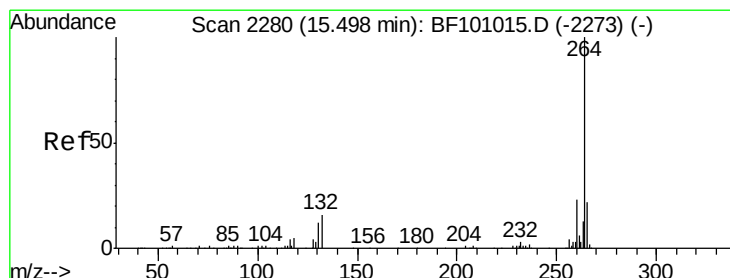
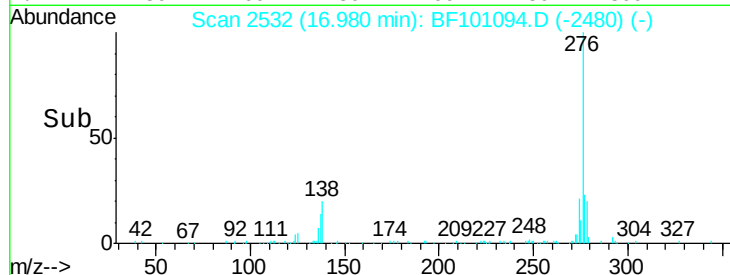
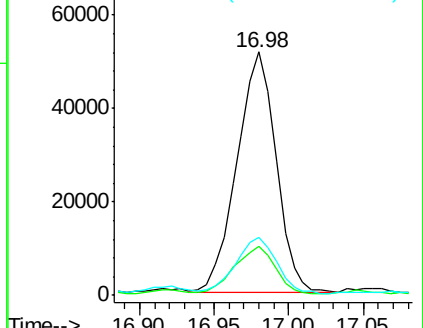
277 24.2 20.1 30.1



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: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

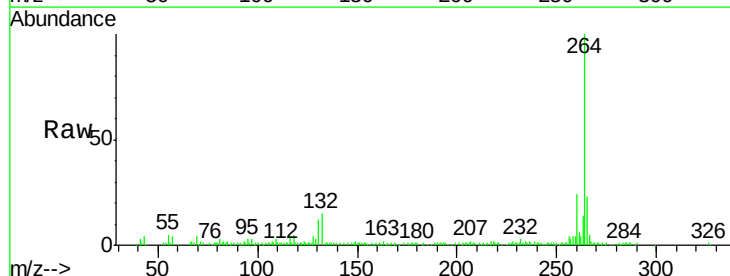
Tgt Ion:264 Resp: 108172

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

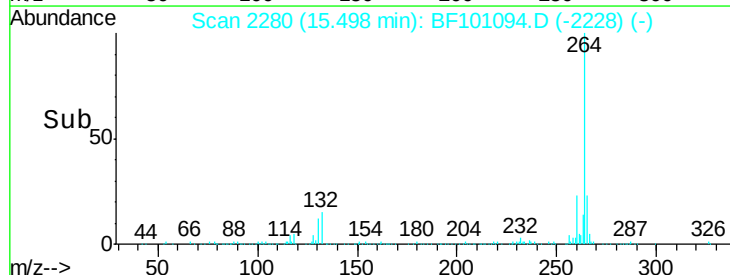
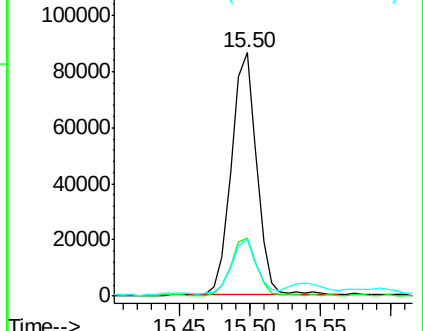
265 23.3 17.5 26.3

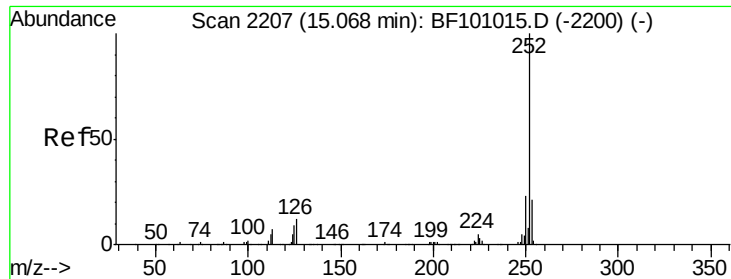


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

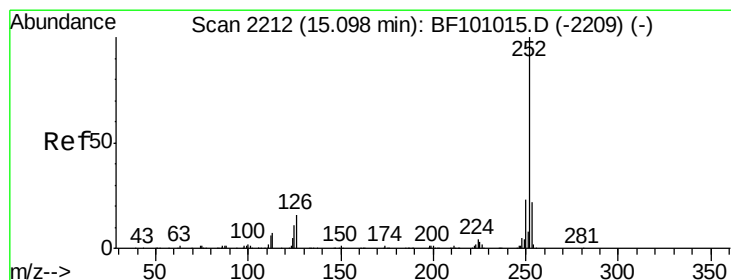
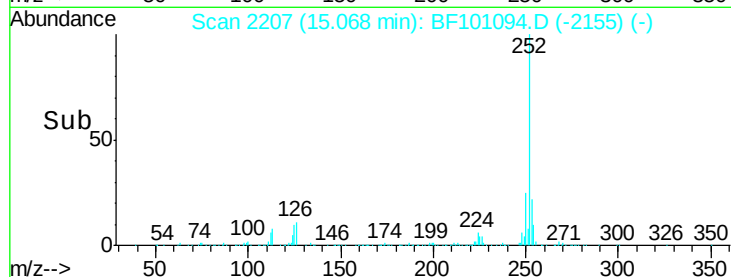
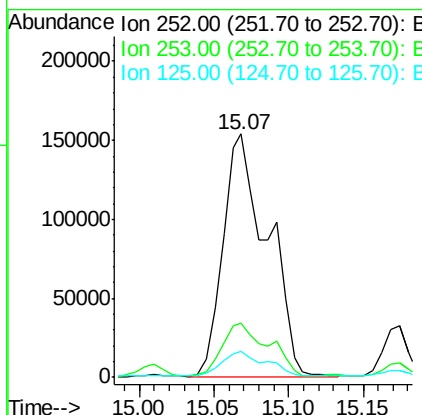
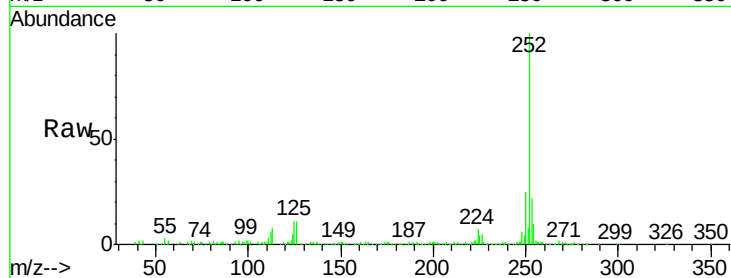




#87
Benzo(b)fluoranthene
Concen: 49.15 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

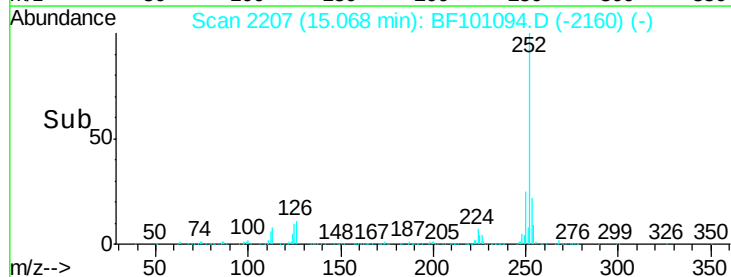
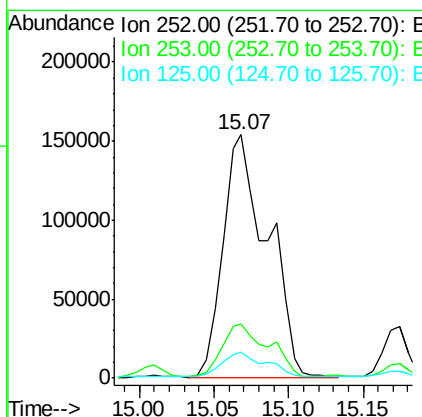
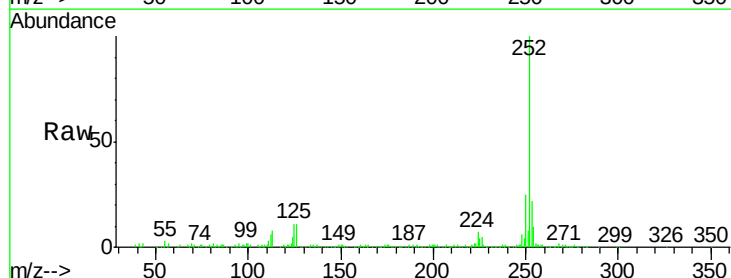
Instrument :
BNA_F
ClientSampleId :

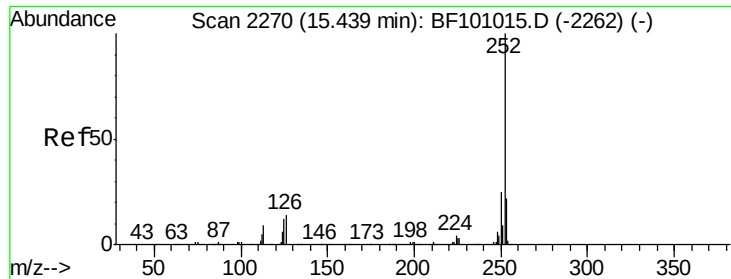
Tot Ion:252 Resp: 318423
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 10.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 49.88 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF101094.D
Acq: 4 Dec 2017 13:35

Tgt Ion:252 Resp: 318423
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 10.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 27.69 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

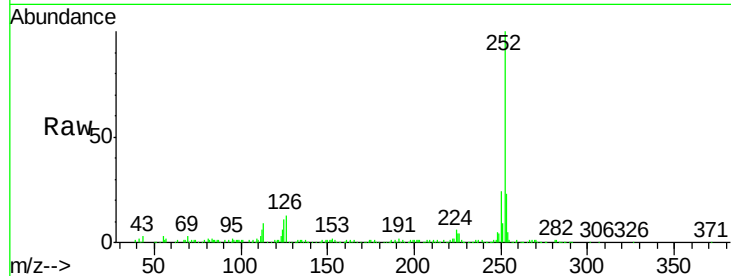
Tot Ion:252 Resp: 163087

Ion Ratio Lower Upper

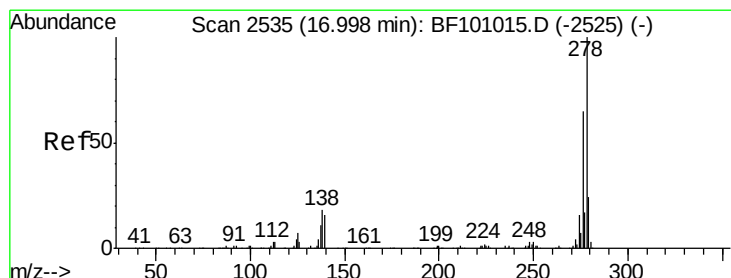
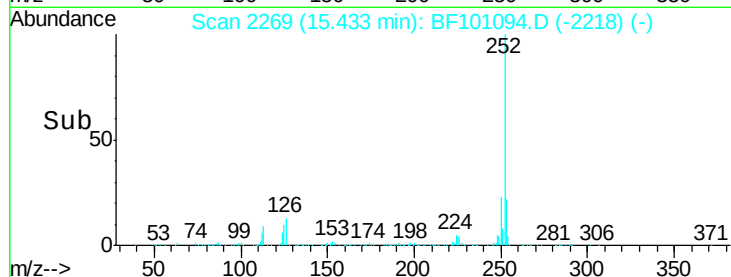
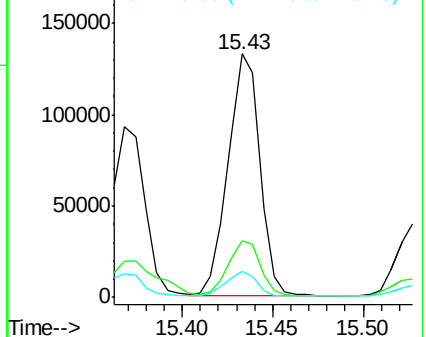
252 100

253 23.3 17.1 25.7

125 10.6 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



#90

Dibenzo(a,h)anthracene

Concen: 4.49 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

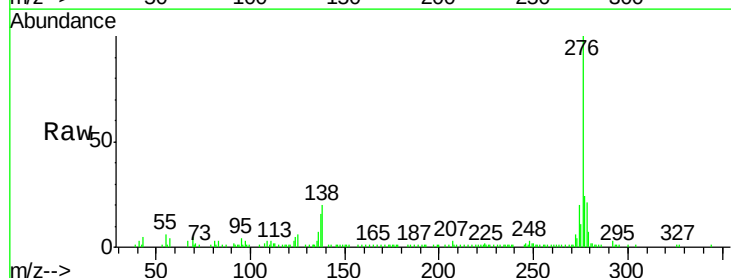
Tgt Ion:278 Resp: 23342

Ion Ratio Lower Upper

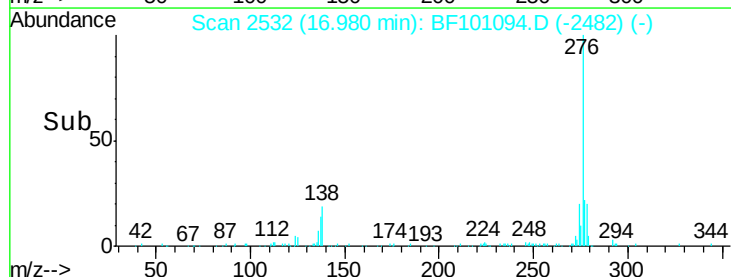
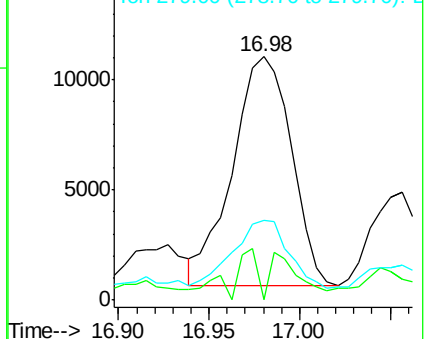
278 100

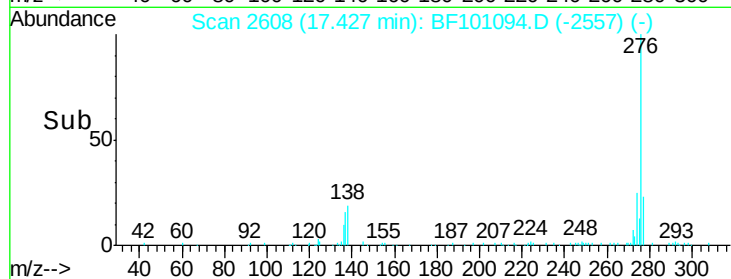
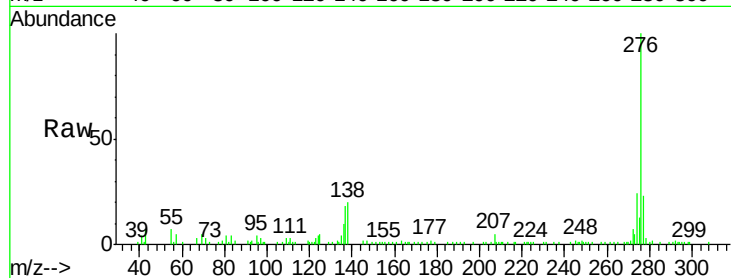
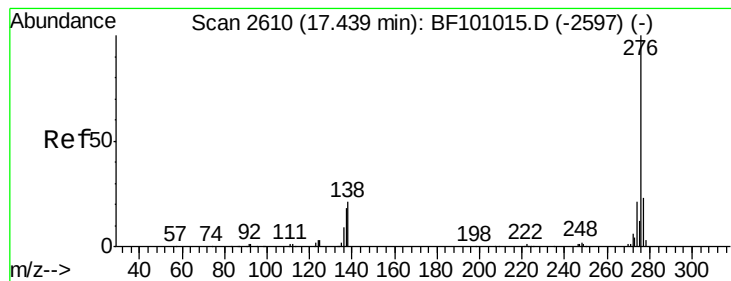
139 0.0 15.9 23.9#

279 32.5 19.0 28.4#



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: 17.54 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101094.D

Acq: 4 Dec 2017 13:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 85825

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 20.5 21.8 32.8#

