

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101294.D
 Acq On : 11 Dec 2017 17:22
 Operator : SJ/JU
 Sample : I6746-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 23:42:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

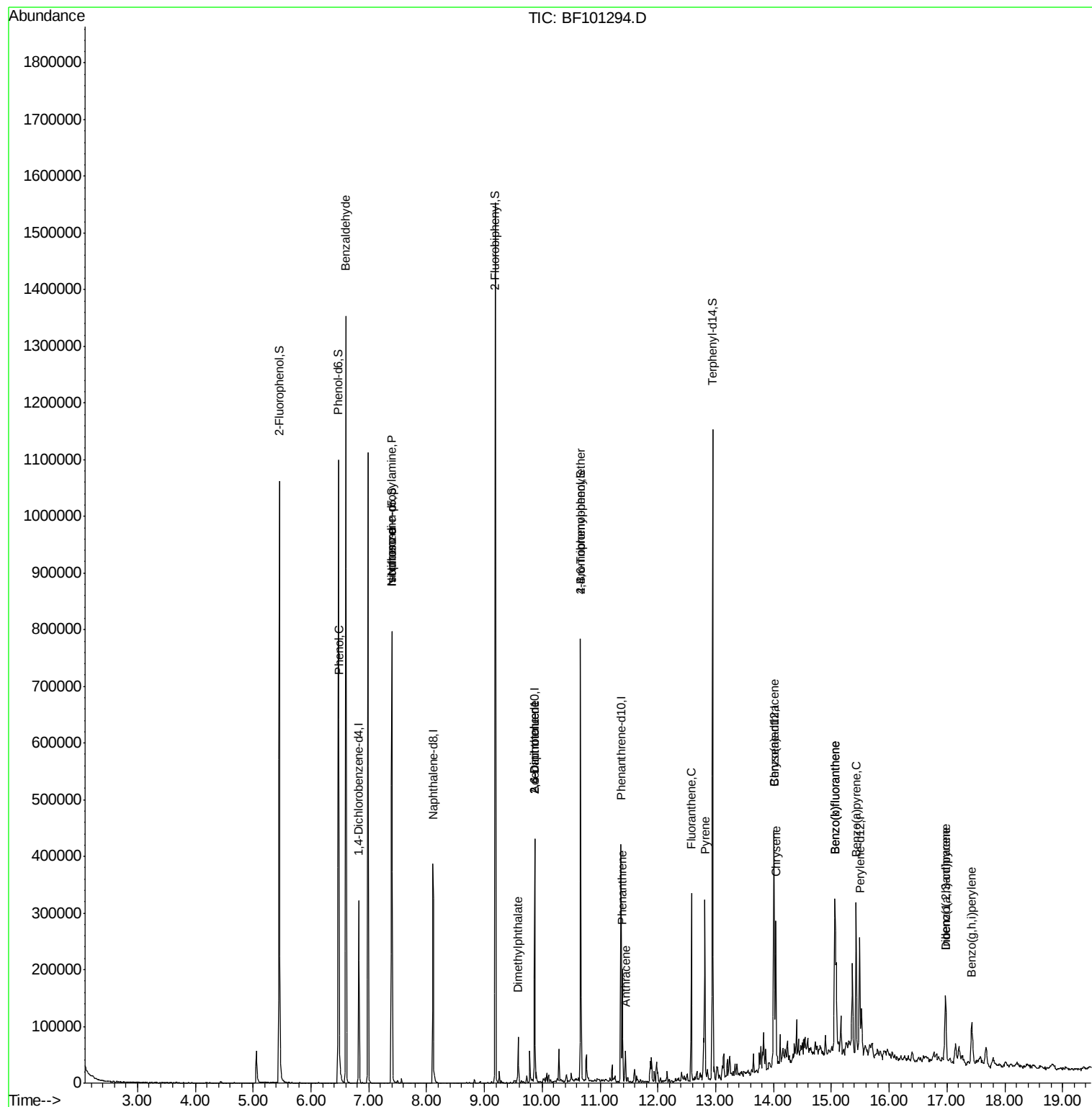
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	45214	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	178445	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	81398	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	143824	20.00	ng	0.00
75) Chrysene-d12	14.02	240	90197	20.00	ng	0.01
86) Perylene-d12	15.49	264	96640	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	326187	119.21	ng	0.02
7) Phenol-d6	6.47	99	404211	121.68	ng	0.01
23) Nitrobenzene-d5	7.40	82	246016	82.24	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	100189	102.46	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	529356	88.98	ng	0.00
78) Terphenyl-d14	12.95	244	416607	101.03	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	7751	3.812	ng	85
10) Phenol	6.49	94	16576	4.487	ng	80
19) n-Nitroso-di-n-propylamine	7.40	70	32300	14.437	ng	# 80
25) Isophorone	7.40	82	246012	48.147	ng	# 64
49) Dimethylphthalate	9.58	163	28147	4.288	ng	# 99
50) 2,6-Dinitrotoluene	9.87	165	10046	7.266	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	10046	5.422	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	6374	3.959	ng	# 1
70) Phenanthrene	11.39	178	70701	8.927	ng	97
71) Anthracene	11.44	178	23734	2.961	ng	98
74) Fluoranthene	12.58	202	129873	14.793	ng	94
77) Pyrene	12.81	202	126666	20.352	ng	99
80) Benzo(a)anthracene	14.00	228	110198	19.350	ng	99
82) Chrysene	14.04	228	93437	17.666	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	70901	15.079	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	197500	34.120	ng	98
88) Benzo(k)fluoranthene	15.06	252	197500	34.631	ng	98
89) Benzo(a)pyrene	15.43	252	128030	24.329	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	21680	4.673	ng	97
91) Benzo(a,h,i)perylene	17.43	276	62113	14.206	ng	# 92

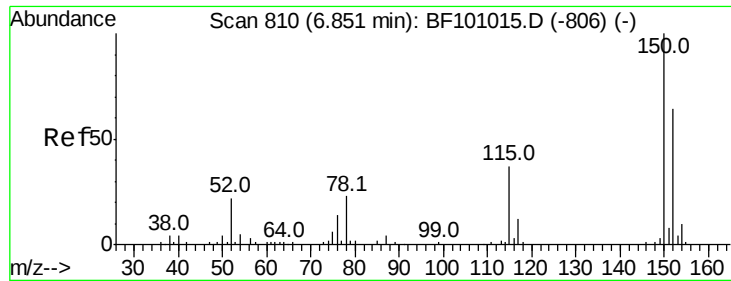
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101294.D
Acq On : 11 Dec 2017 17:22
Operator : SJ/JU
Sample : I6746-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 11 23:42:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration



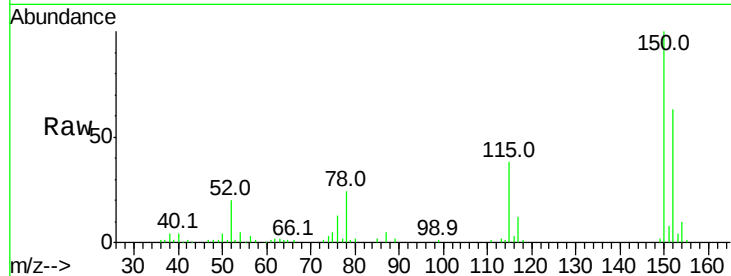


#1

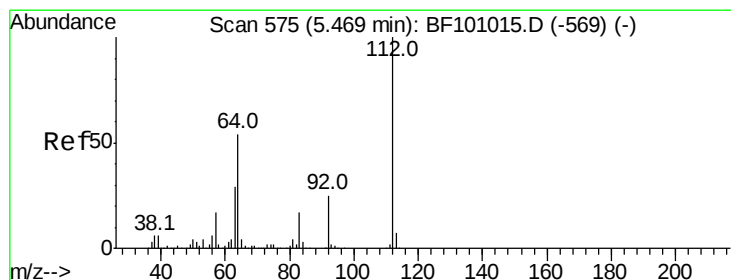
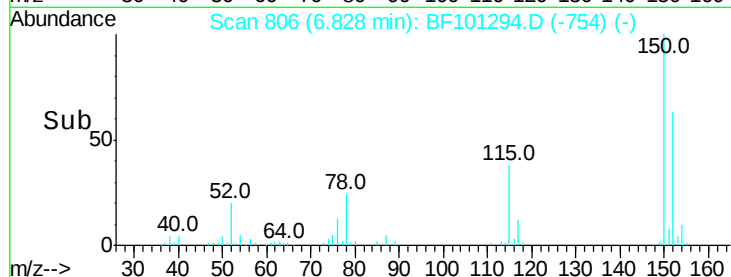
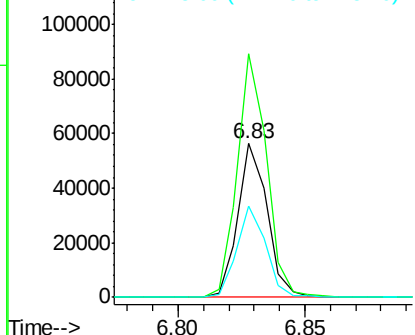
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45214
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 59.7 50.1 75.1



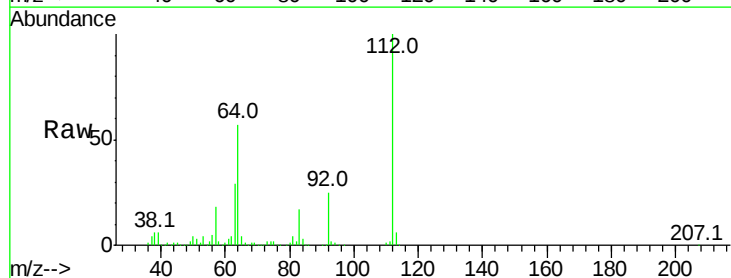
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



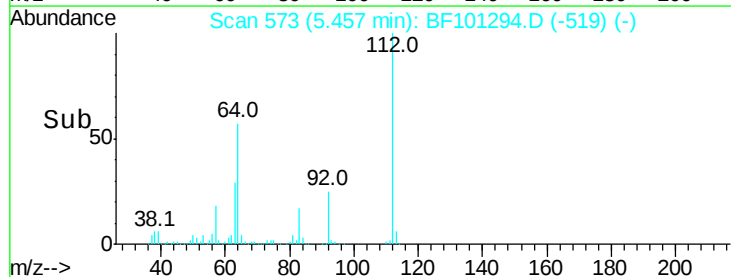
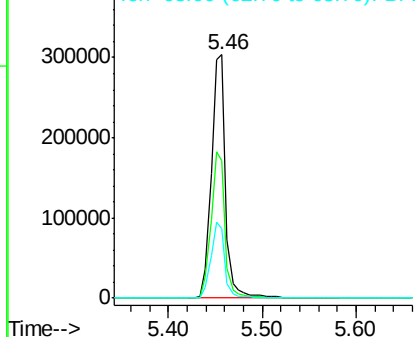
#5

2-Fluorophenol
Concen: 119.212 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion:112 Resp: 326187
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 28.8 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: 121.677 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampled :

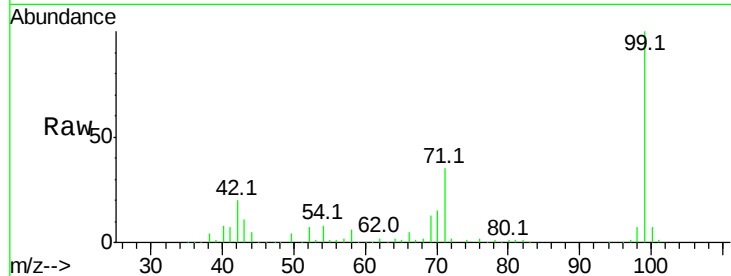
Tot Ion: 99 Resp: 404211

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

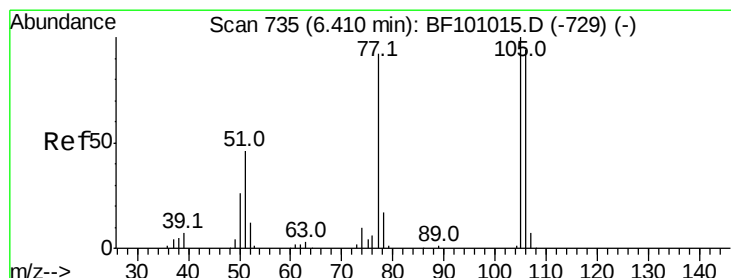
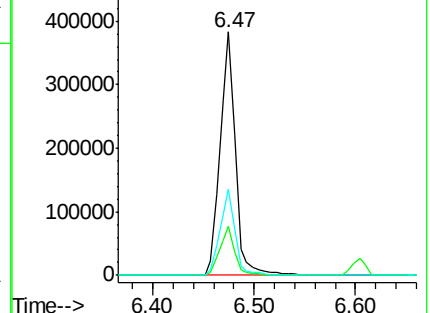
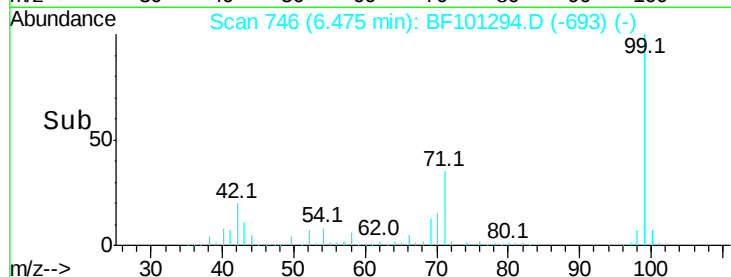
71 35.2 25.4 38.0



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: 3.812 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

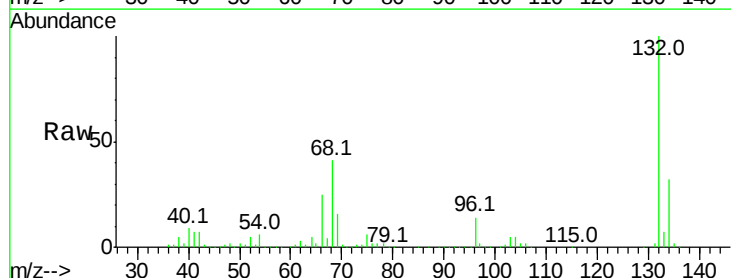
Tgt Ion: 77 Resp: 7751

Ion Ratio Lower Upper

77 100

105 90.0 81.1 121.1

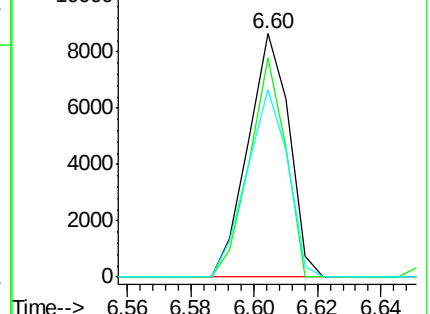
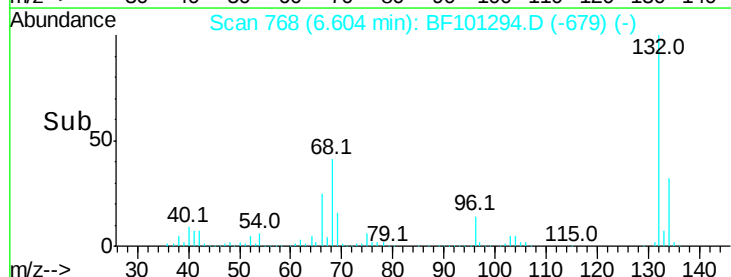
106 76.8 74.5 114.5

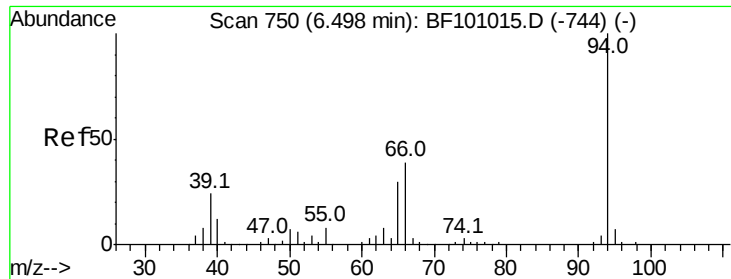


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.487 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampleId :

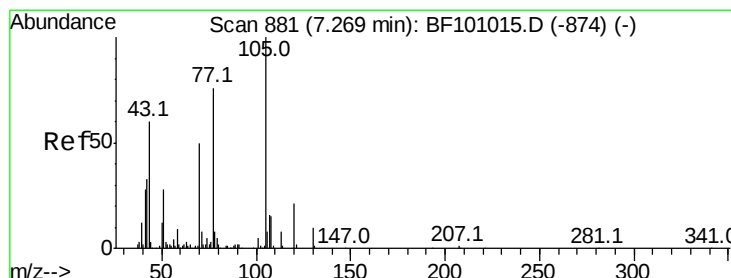
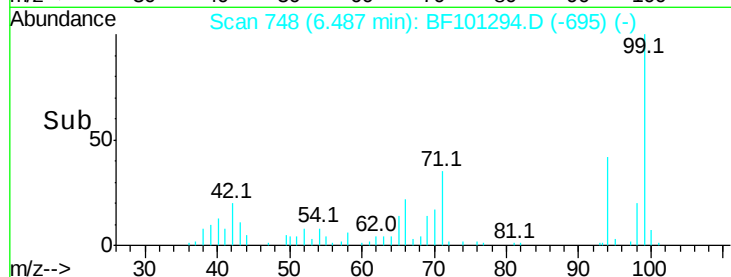
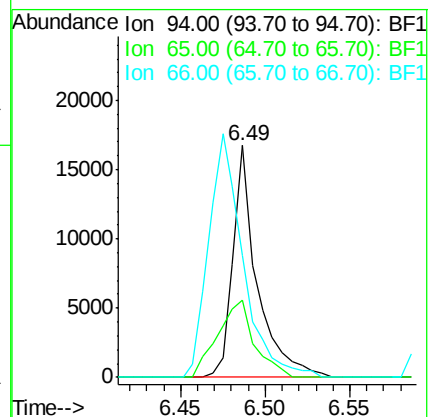
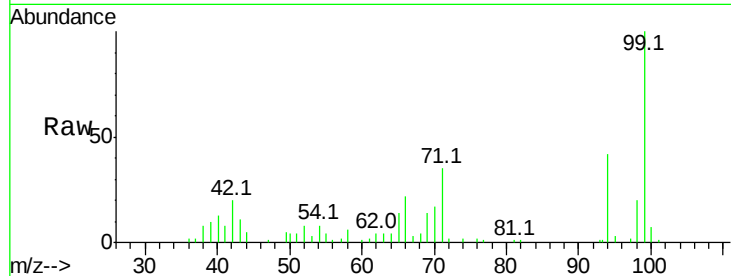
Tot Ion: 94 Resp: 16576

Ion Ratio Lower Upper

94 100

65 33.1 7.9 47.9

66 52.6 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.437 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Tgt Ion: 70 Resp: 32300

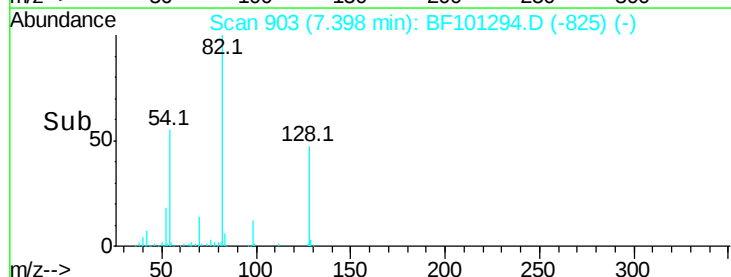
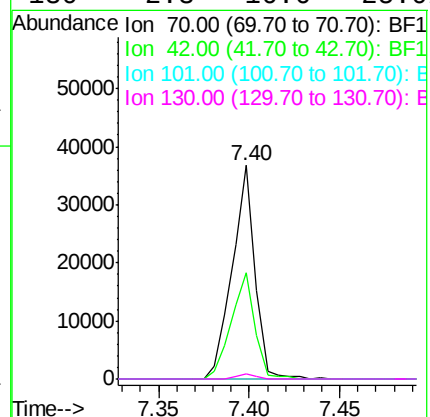
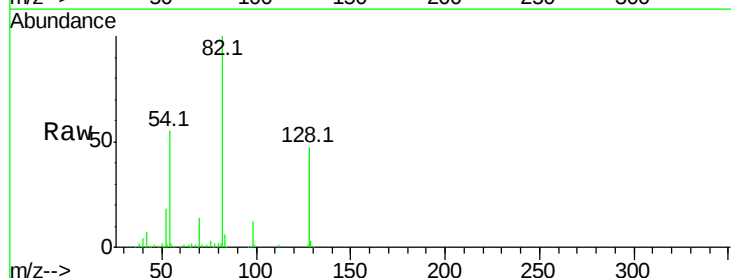
Ion Ratio Lower Upper

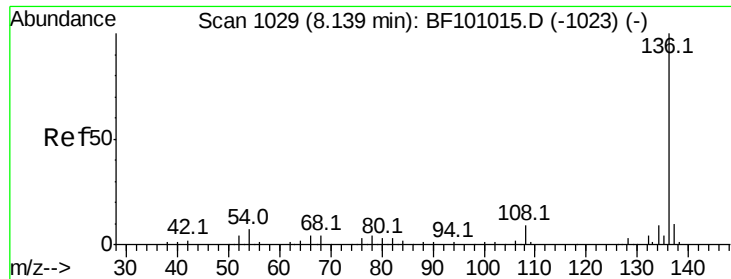
70 100

42 49.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

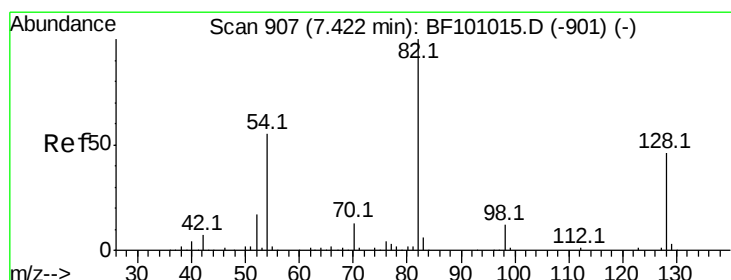
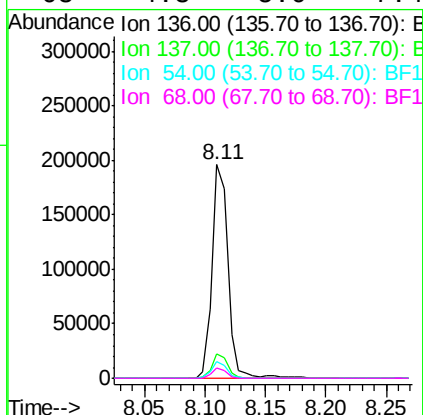
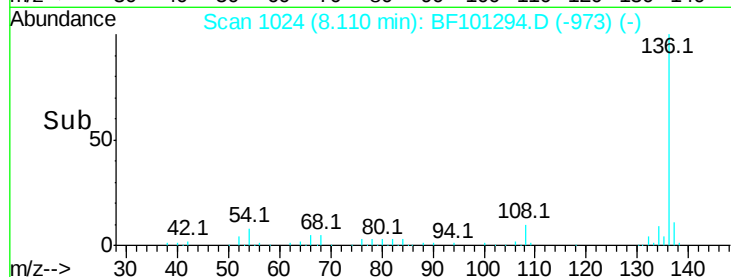
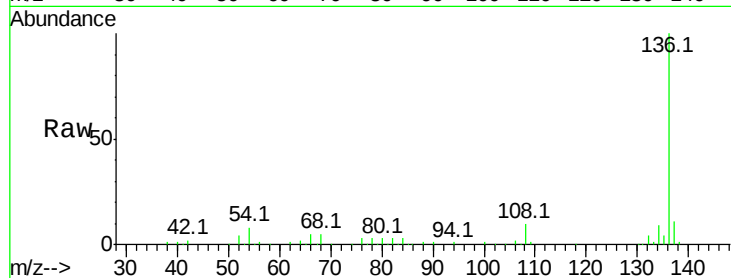




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

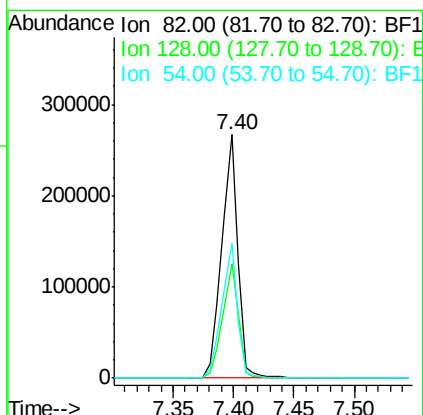
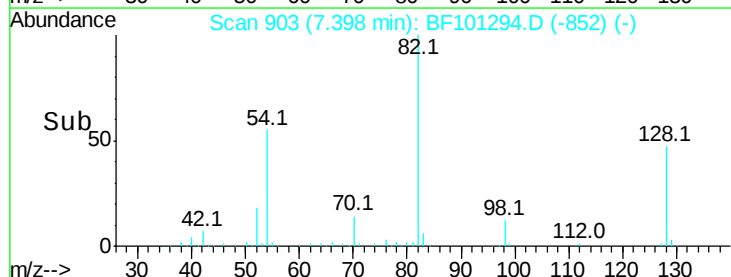
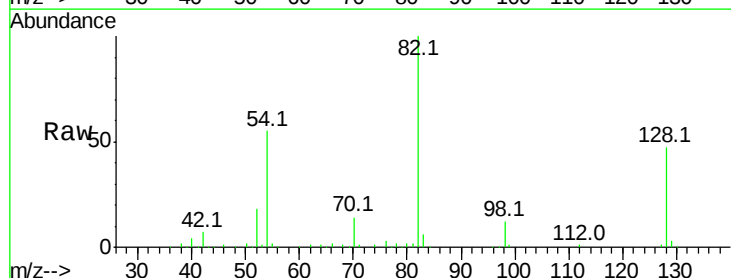
Instrument :
BNA_F
ClientSampleId :

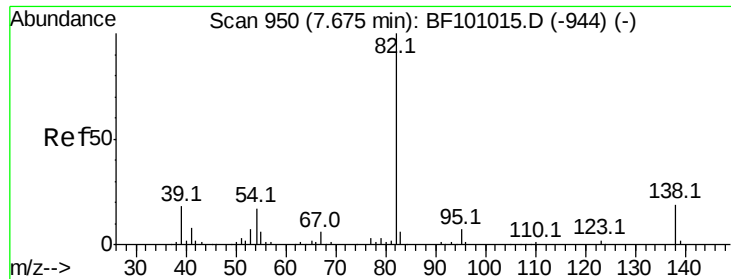
Tot Ion:	136	Resp:	178445
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.8	6.6	9.8
68	4.8	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 82.242 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion:	82	Resp:	246016
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	55.2	41.4	62.2





#25

Isophorone

Concen: 48.147 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampleId :

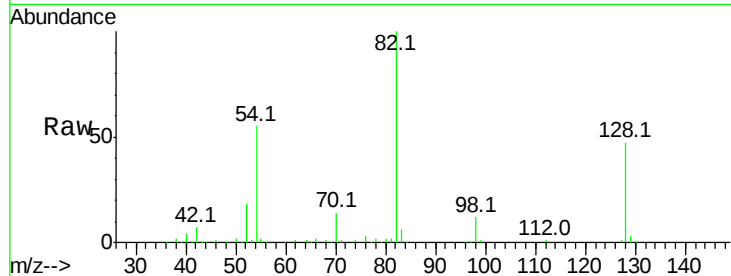
Tot Ion: 82 Resp: 246012

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

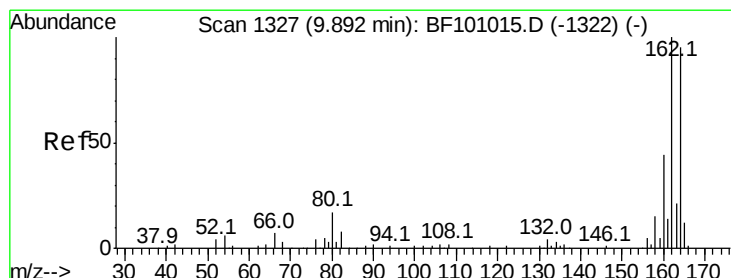
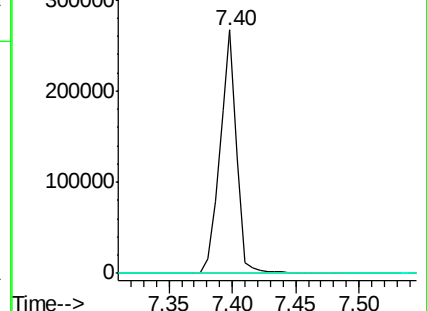
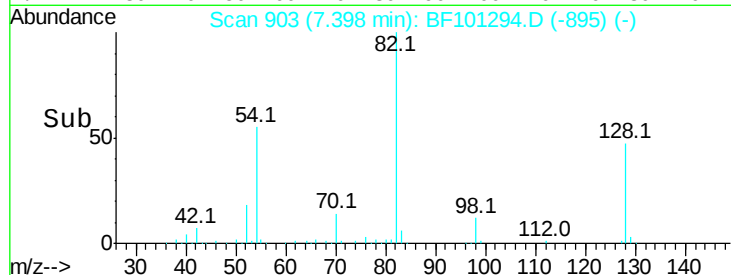
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

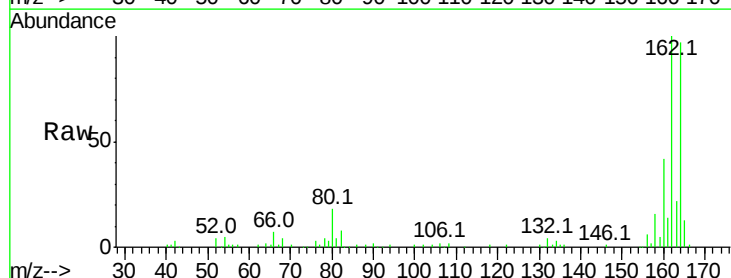
Tgt Ion:164 Resp: 81398

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

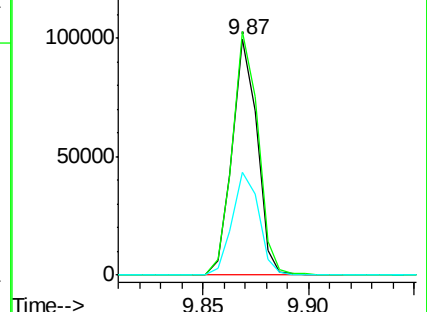
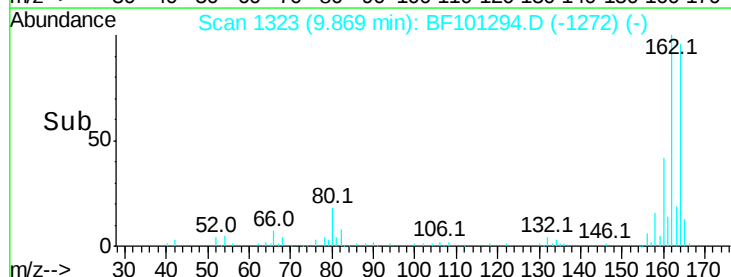
160 43.4 38.3 57.5

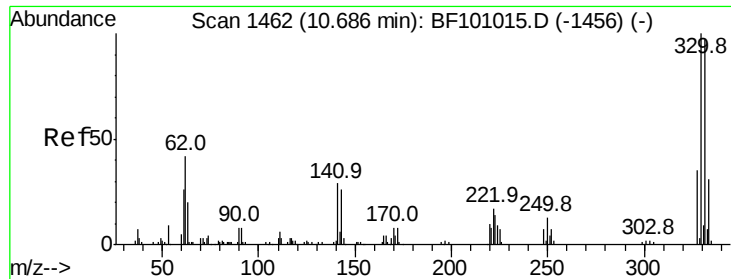


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

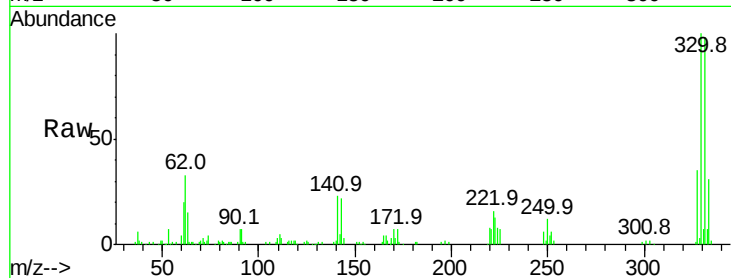




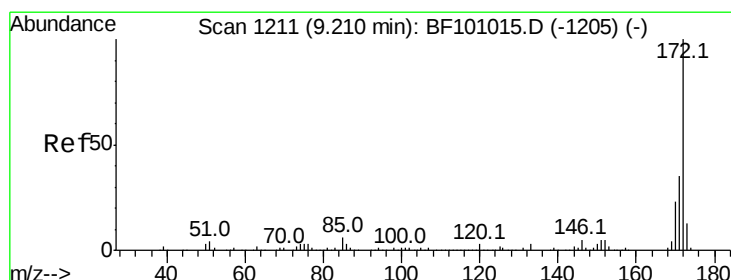
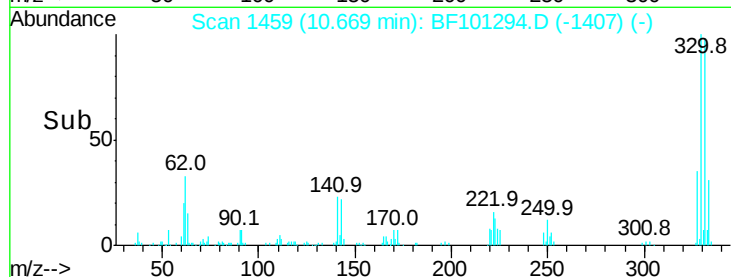
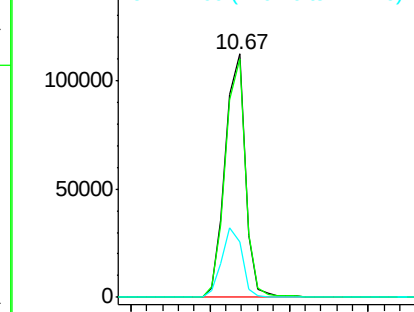
#41
 2,4,6-Tribromophenol
 Concen: 102.461 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	29.4	29.9	44.9#

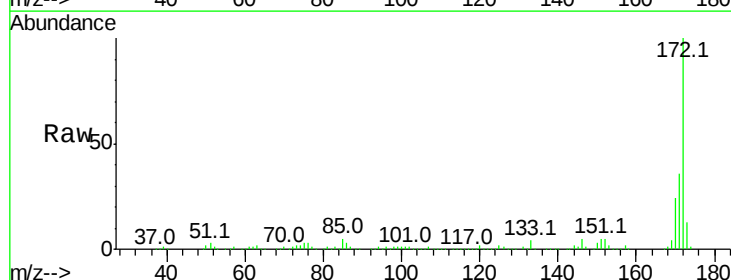


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

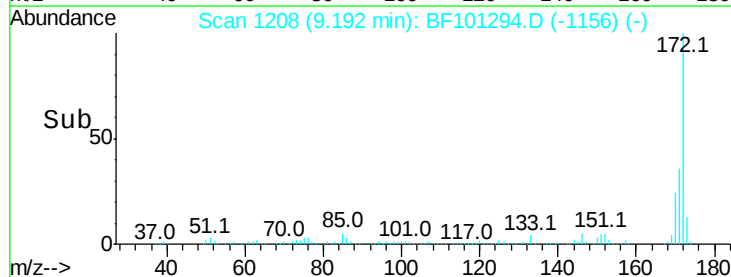
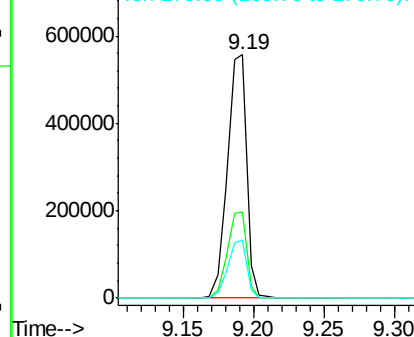


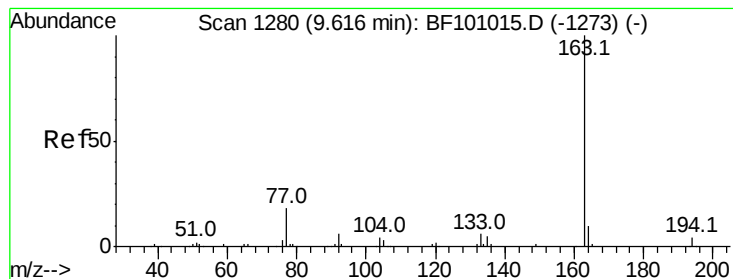
#44
 2-Fluorobiphenyl
 Concen: 88.978 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	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





#49

Dimethylphthalate

Concen: 4.288 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampled :

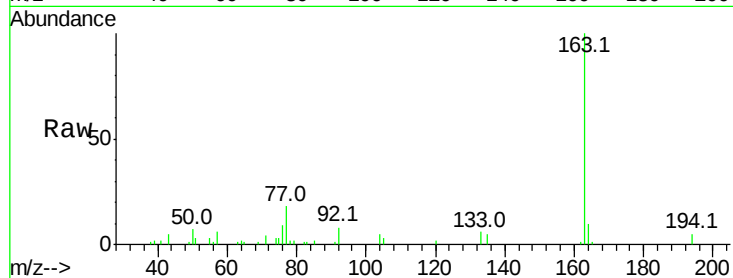
Tot Ion:163 Resp: 28147

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

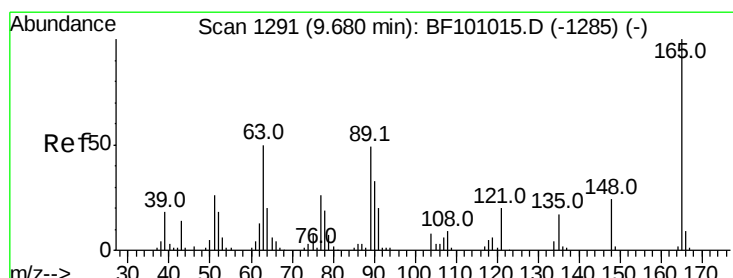
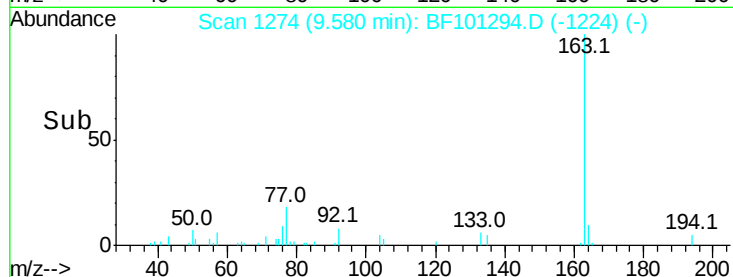
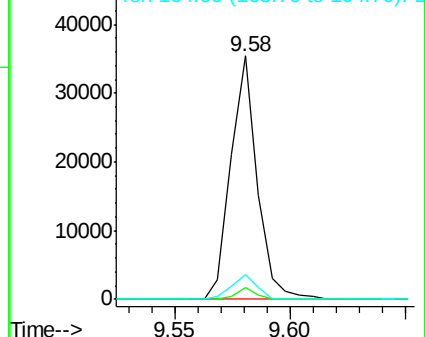
164 10.1 8.2 12.2



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: 7.266 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

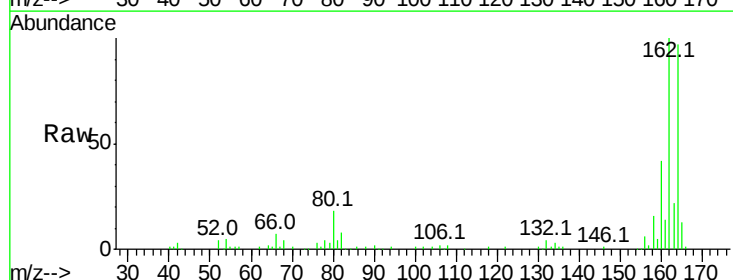
Tgt Ion:165 Resp: 10046

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

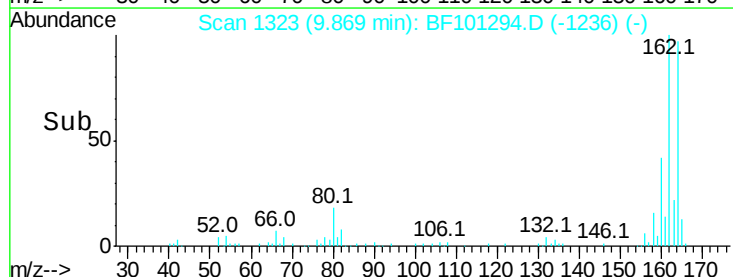
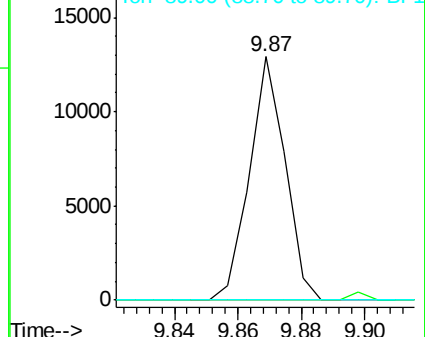
89 0.0 44.0 66.0#

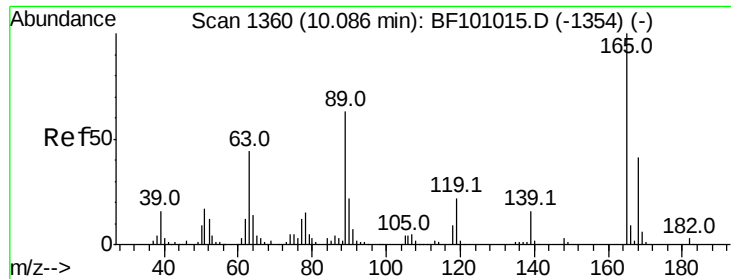


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

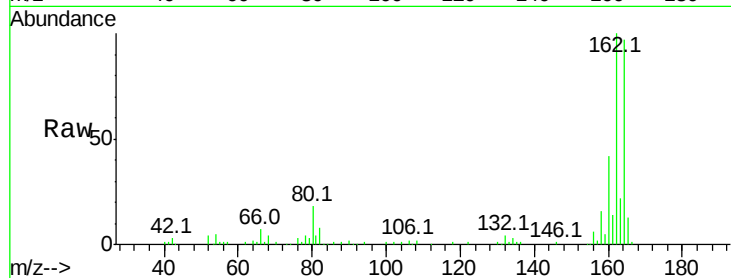




#56
 2,4-Dinitrotoluene
 Concen: 5.422 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	10046
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#

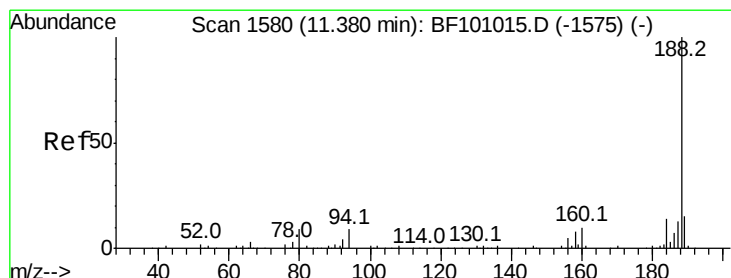
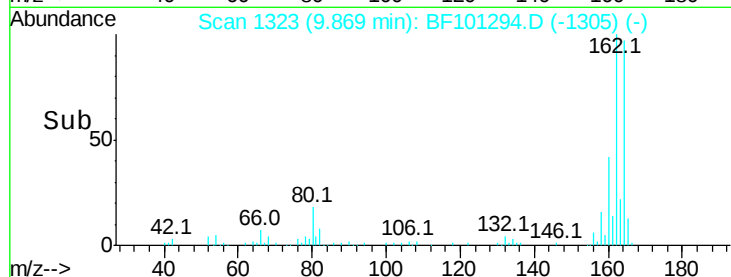
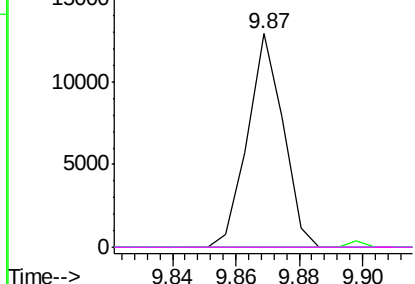


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

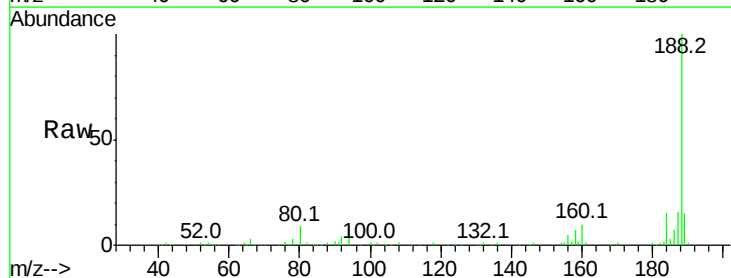
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

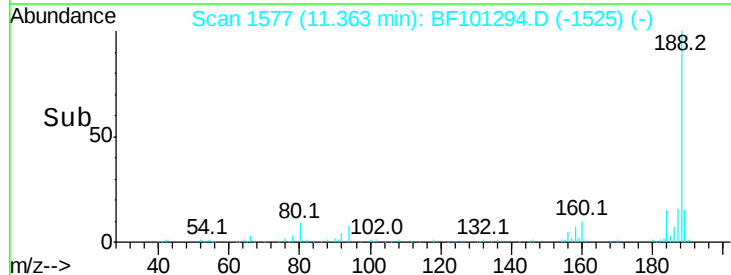
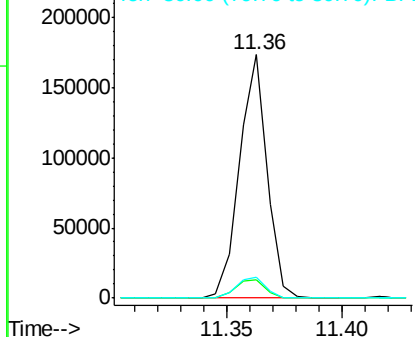
Tgt Ion:188	Resp:	143824
Ion Ratio	Lower	Upper
188	100	
94	7.6	8.5 12.7#
80	8.7	9.2 13.8#

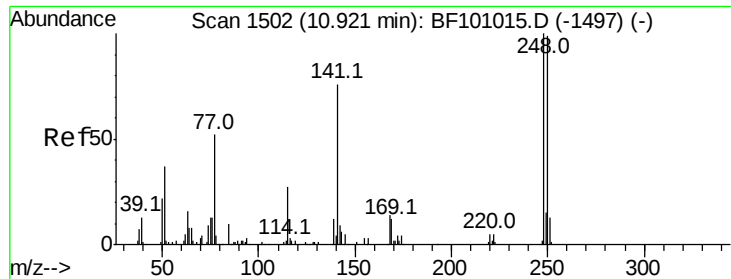


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

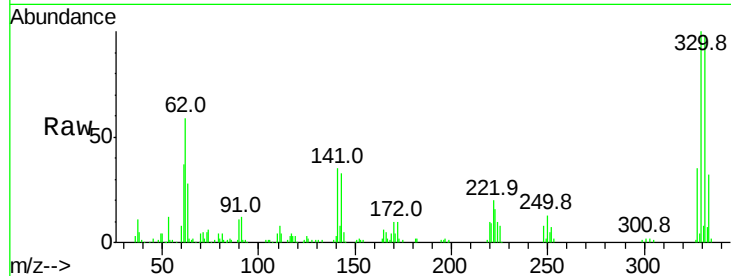




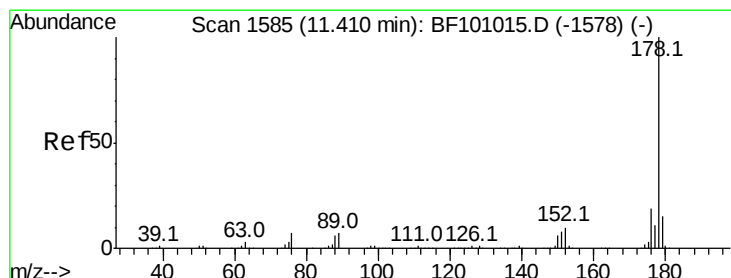
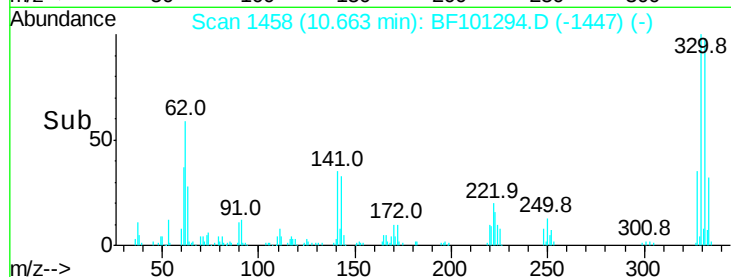
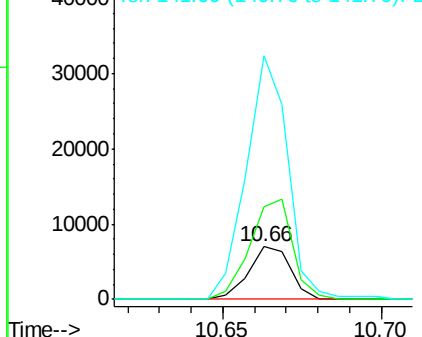
#66
4-Bromophenyl-phenylether
Concen: 3.959 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.24 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6374
Ion Ratio Lower Upper
248 100
250 175.4 76.9 115.3#
141 460.7 74.4 111.6#

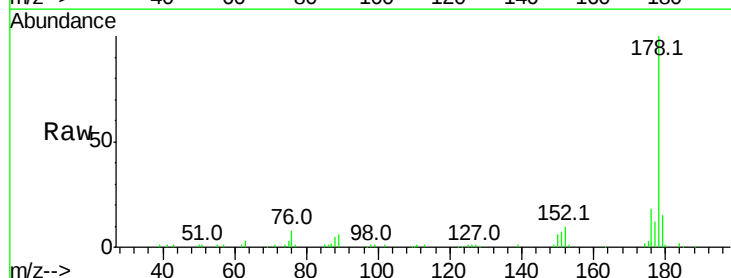


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

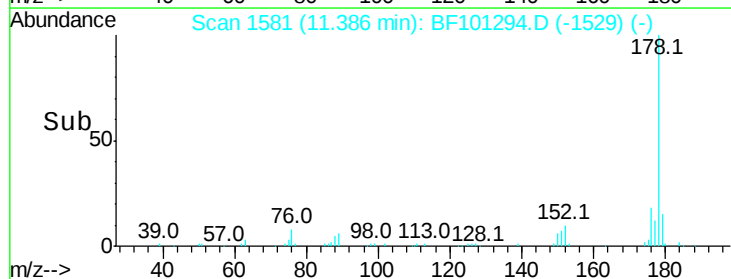
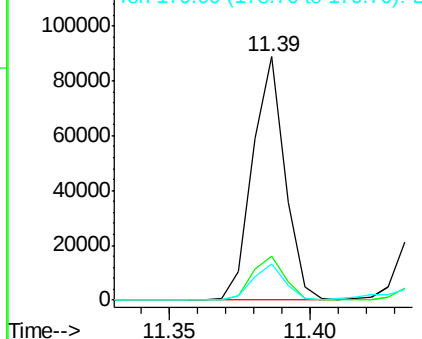


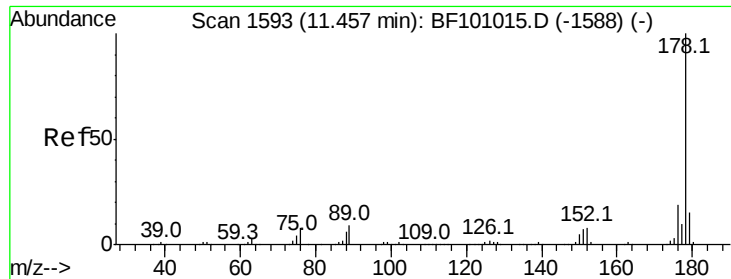
#70
Phenanthrene
Concen: 8.927 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion:178 Resp: 70701
Ion Ratio Lower Upper
178 100
176 18.3 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: 2.961 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampled :

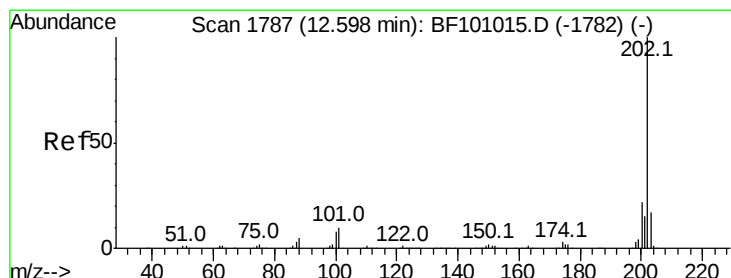
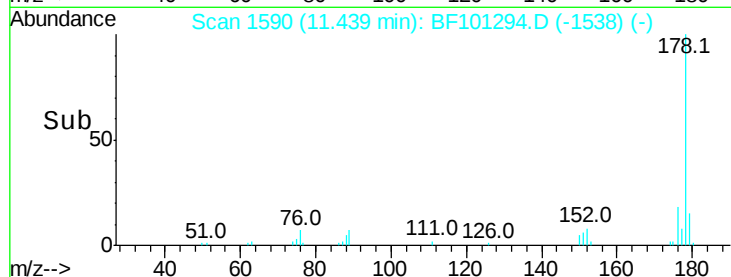
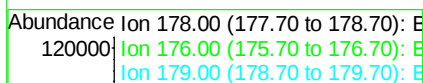
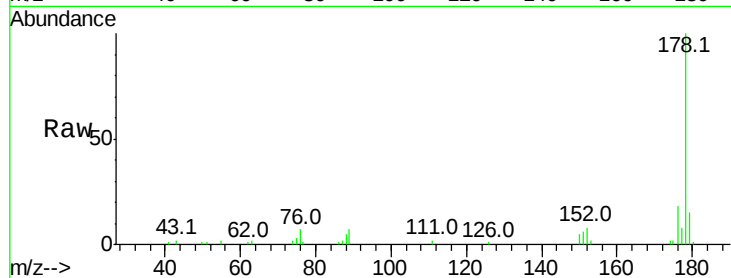
Tot Ion:178 Resp: 23734

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

179 15.3 12.6 19.0



#74

Fluoranthene

Concen: 14.793 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

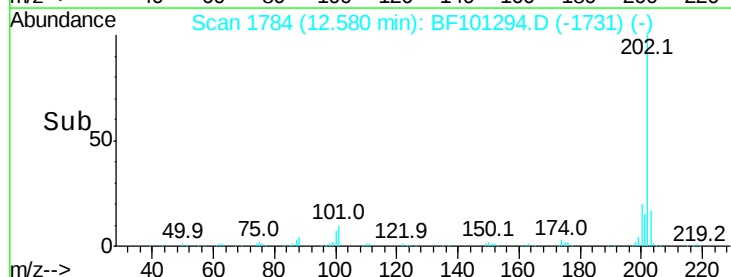
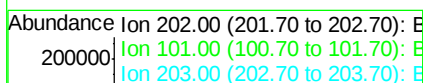
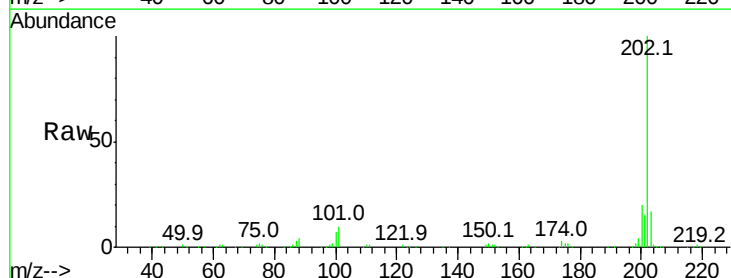
Tgt Ion:202 Resp: 129873

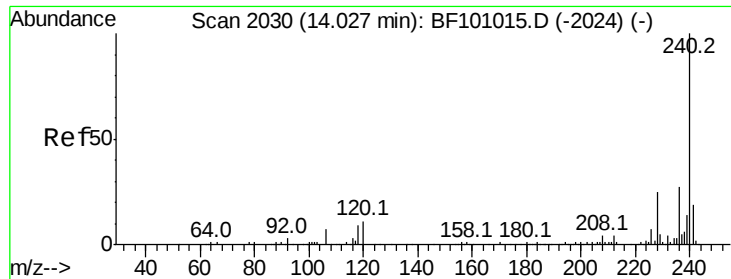
Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampleId :

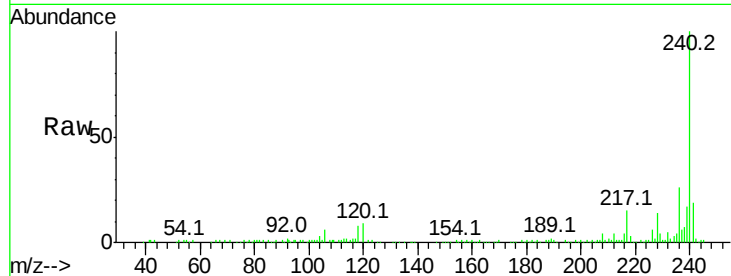
Tot Ion:240 Resp: 90197

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

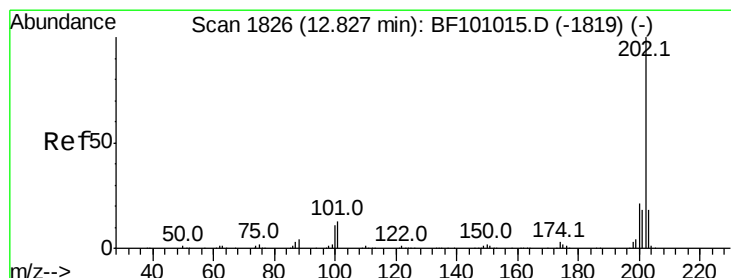
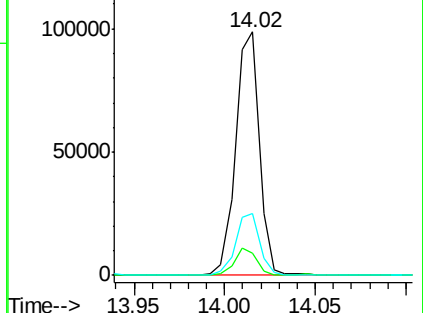
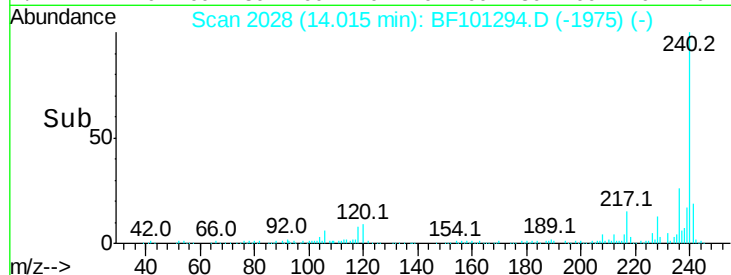
236 25.6 20.7 31.1



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: 20.352 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

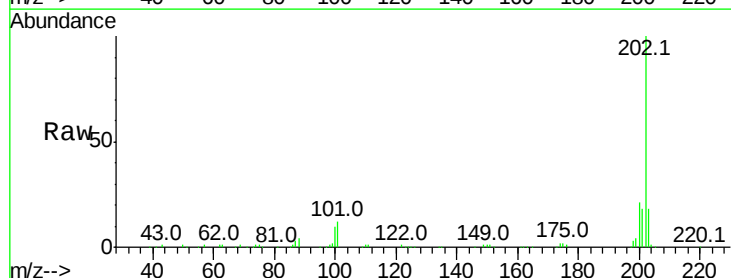
Tgt Ion:202 Resp: 126666

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

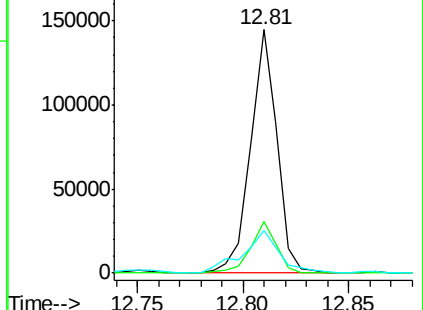
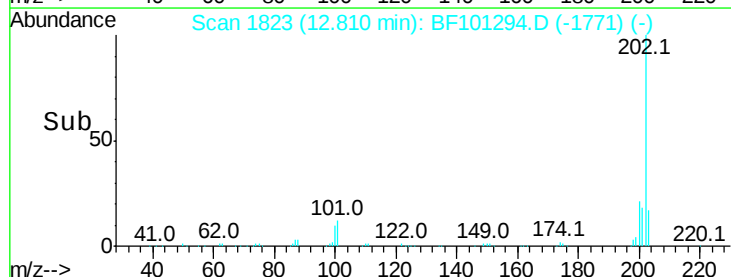
203 17.5 14.3 21.5

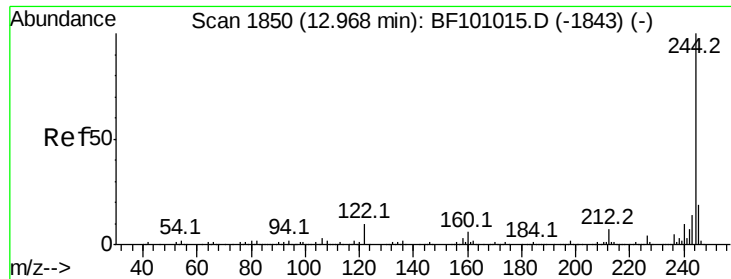


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

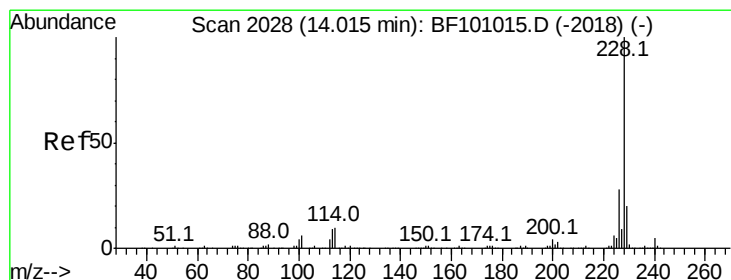
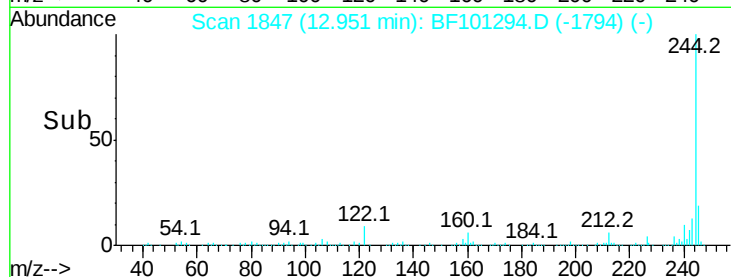
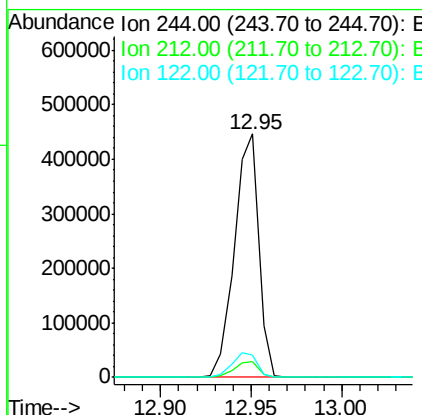
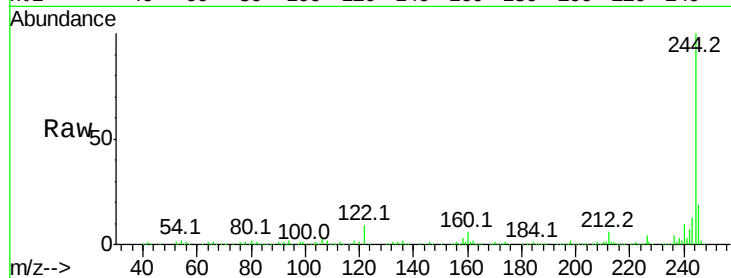




#78
 Terphenyl-d14
 Concen: 101.027 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

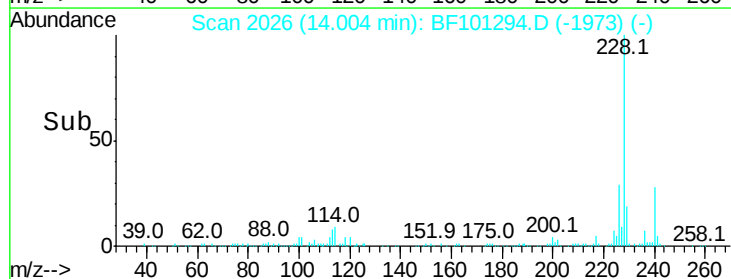
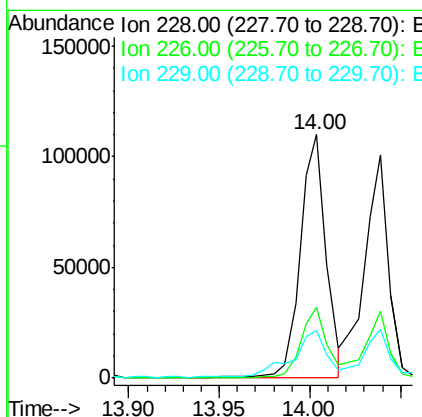
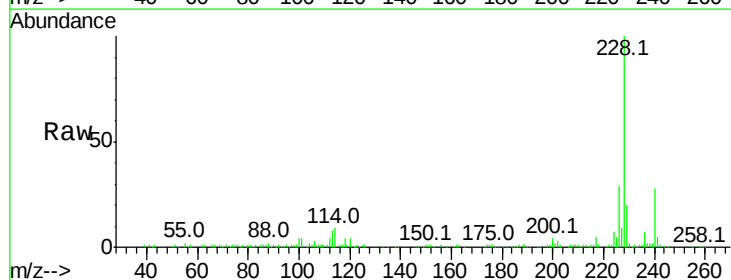
Instrument :
 BNA_F
 ClientSampleId :

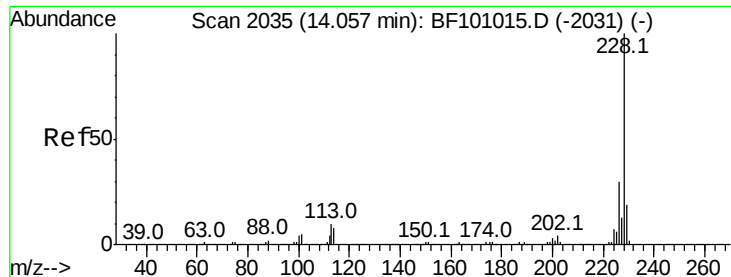
Tot Ion:244 Resp: 416607
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 19.350 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF101294.D
 Acq: 11 Dec 2017 17:22

Tgt Ion:228 Resp: 110198
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 19.6 15.8 23.6

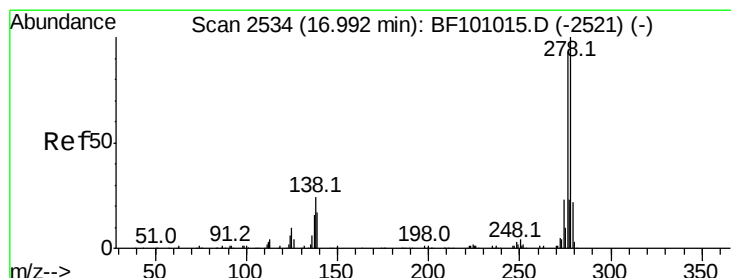
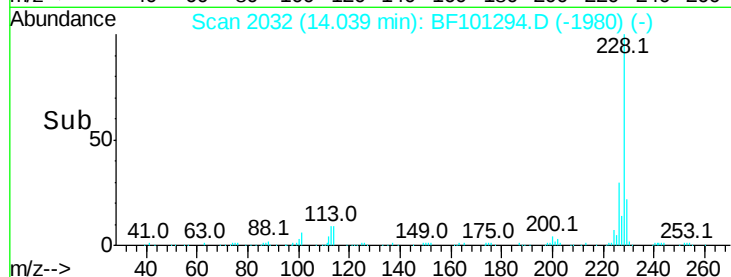
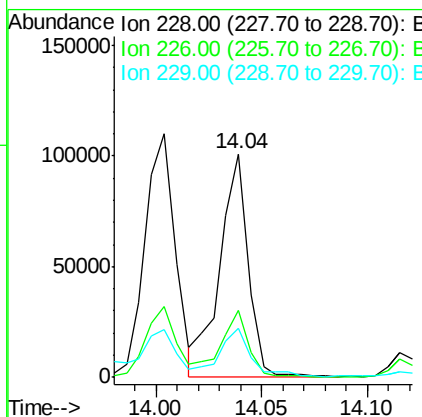
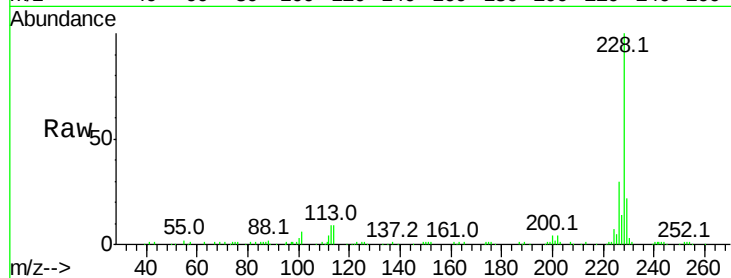




#82
Chrysene
Concen: 17.666 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

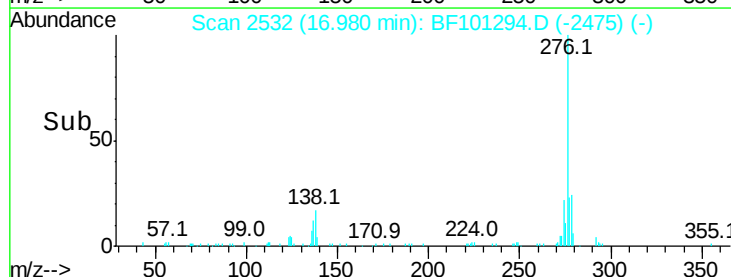
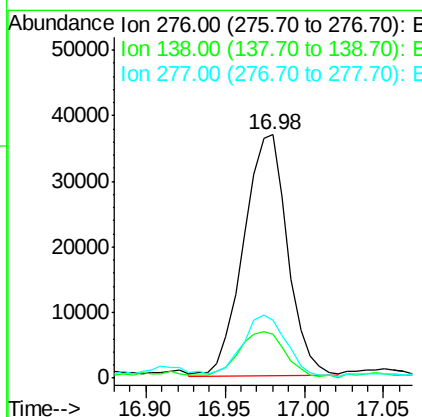
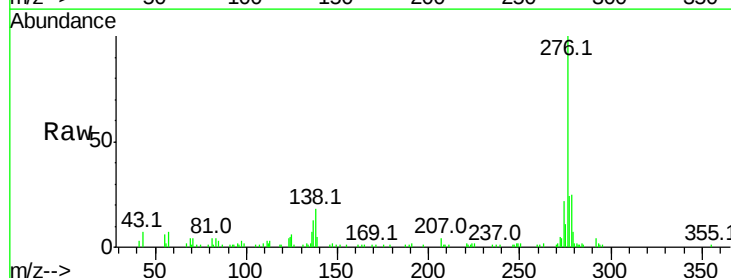
Instrument :
BNA_F
ClientSampled :

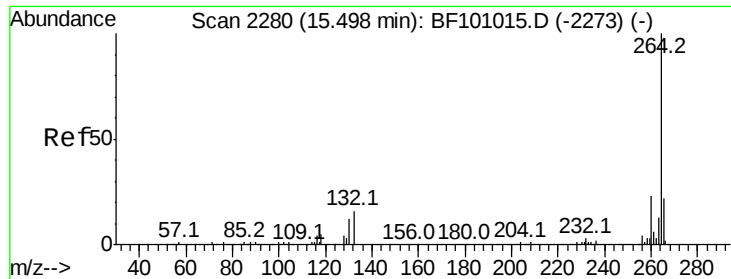
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.1	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 15.079 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.04 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6#
277	24.9	20.1	30.1

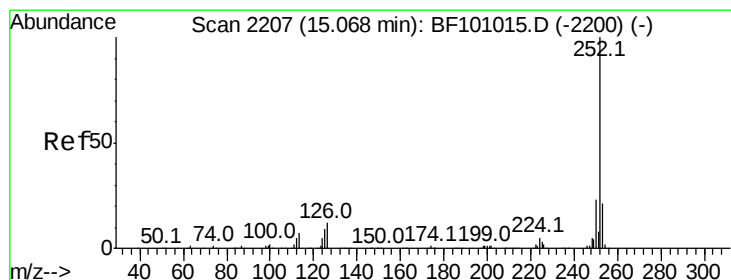
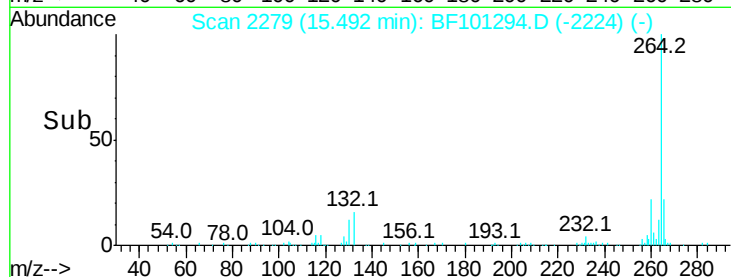
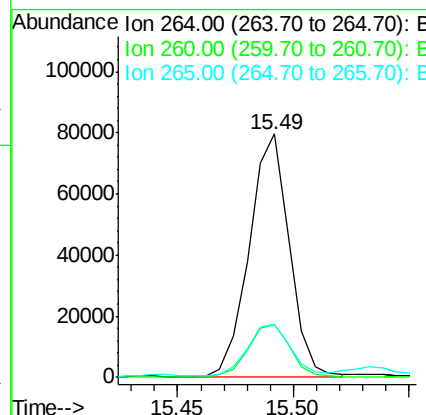
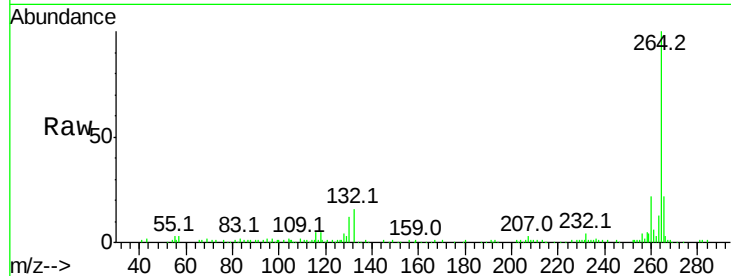




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

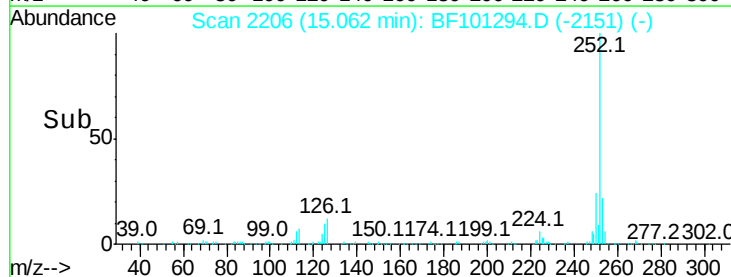
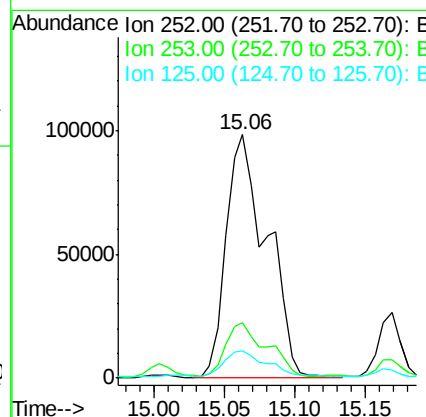
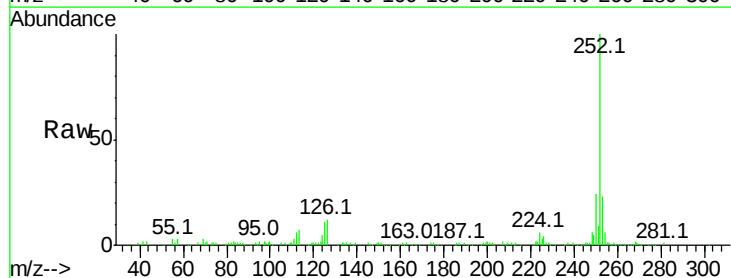
Instrument :
BNA_F
ClientSampleId :

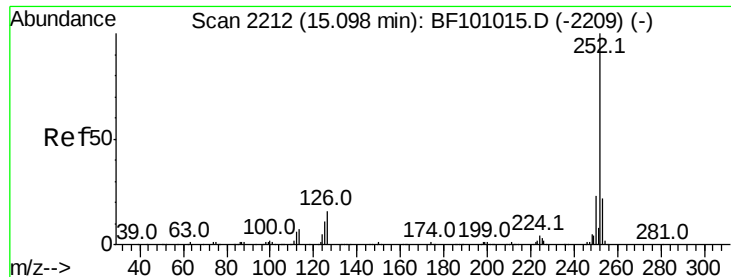
Tot Ion:264 Resp: 96640
Ion Ratio Lower Upper
264 100
260 21.7 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 34.120 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101294.D
Acq: 11 Dec 2017 17:22

Tgt Ion:252 Resp: 197500
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.0 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 34.631 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampleId :

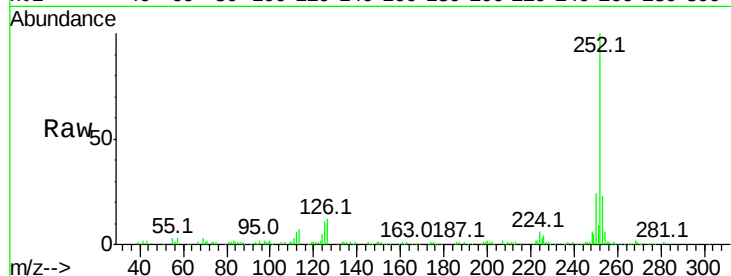
Tot Ion:252 Resp: 197500

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

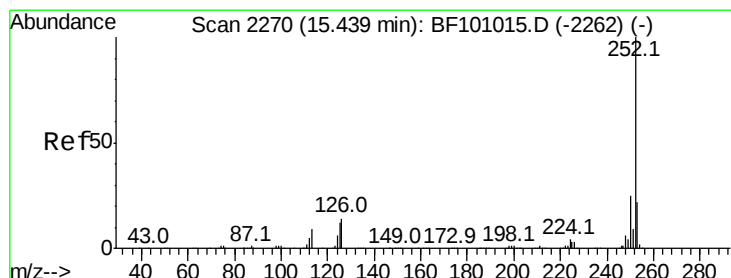
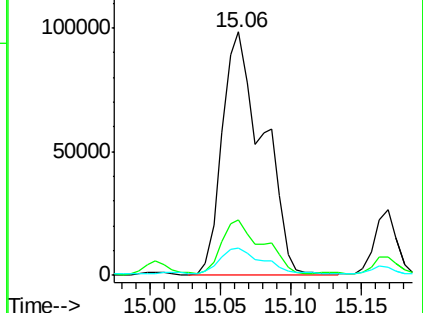
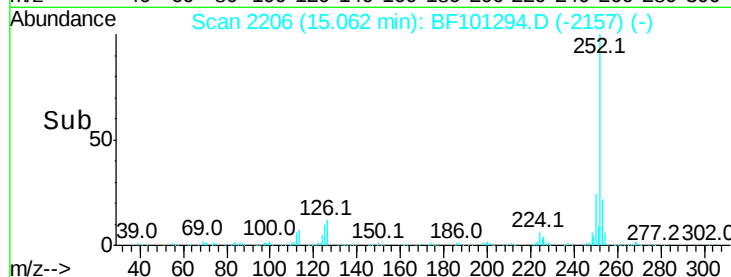
125 11.0 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 24.329 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.02 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

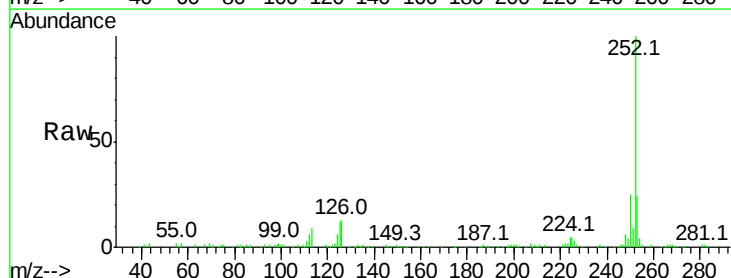
Tgt Ion:252 Resp: 128030

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

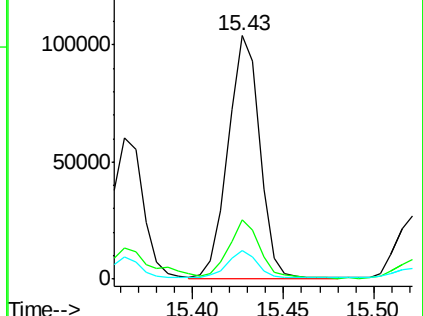
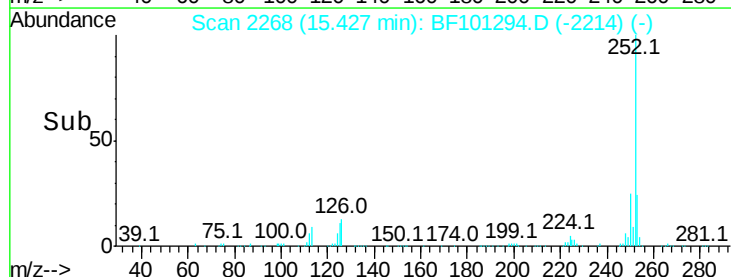
125 11.9 9.8 14.6

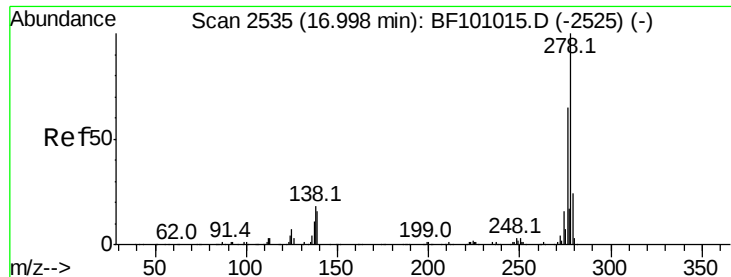


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.673 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.02 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

Instrument :

BNA_F

ClientSampleId :

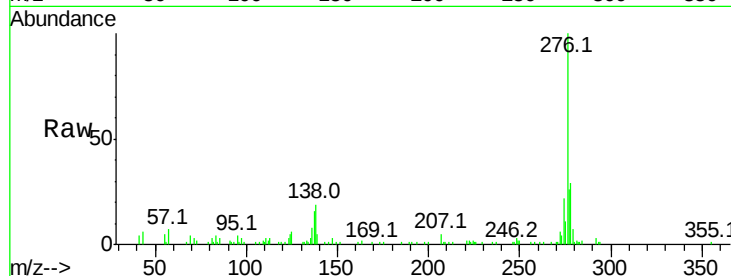
Tot Ion:278 Resp: 21680

Ion Ratio Lower Upper

278 100

139 17.1 15.9 23.9

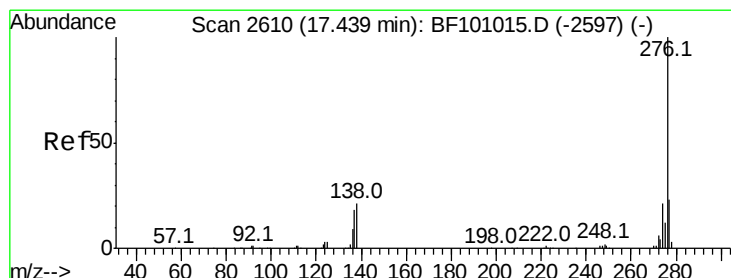
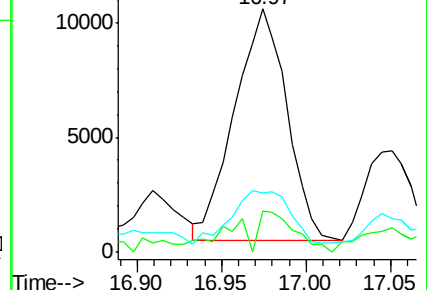
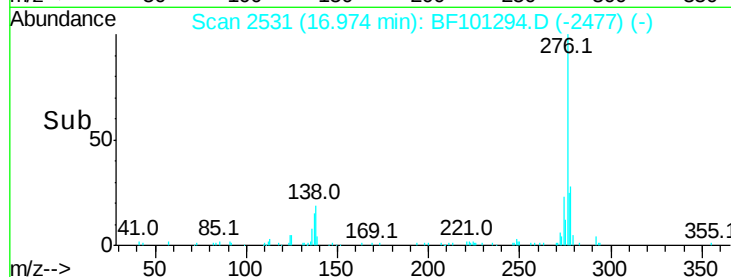
279 24.2 19.0 28.4



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(g,h,i)perylene

Concen: 14.206 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101294.D

Acq: 11 Dec 2017 17:22

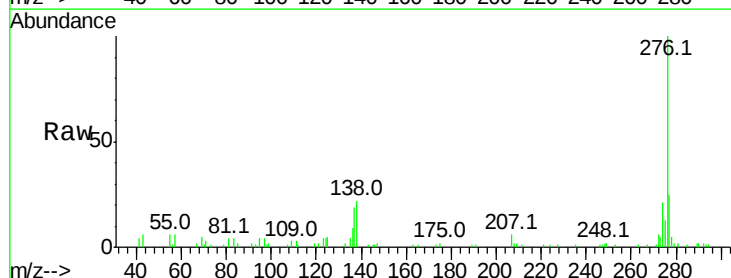
Tgt Ion:276 Resp: 62113

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 21.8 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

