

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092579.D
 Acq On : 27 Jan 2017 16:06
 Operator : SJ/MA
 Sample : I1265-04RE
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 17:14:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	163591	20.00	ng	0.01
21) Naphthalene-d8	8.27	136	586131	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	260408	20.00	ng	0.01
63) Phenanthrene-d10	11.53	188	375721	20.00	ng	0.00
75) Chrysene-d12	14.18	240	287986	20.00	ng	0.01
86) Perylene-d12	15.68	264	194806	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1250113	118.89	ng	0.06
7) Phenol-d6	6.64	99	1460247	109.03	ng	0.05
23) Nitrobenzene-d5	7.55	82	923138	86.03	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	199285	112.30	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	1394064	98.99	ng	0.00
78) Terphenyl-d14	13.12	244	910597	84.20	ng	0.00

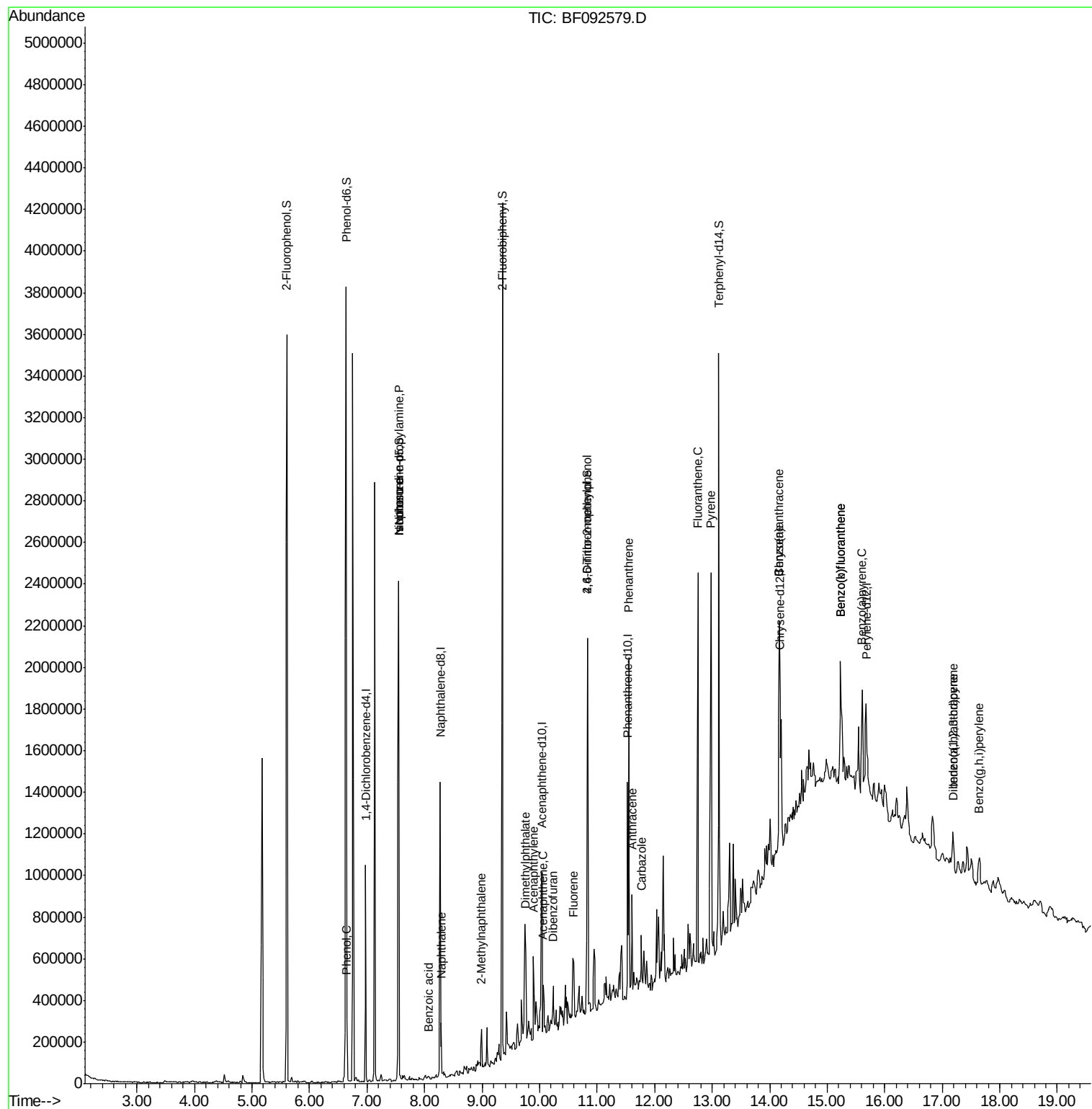
Target Compounds						Qvalue
10) Phenol	6.65	94	70539	4.36	ng	# 64
19) n-Nitroso-di-n-propylamine	7.55	70	124305	13.63	ng	# 79
25) Isophorone	7.55	82	891075	42.14	ng	# 65
31) Naphthalene	8.29	128	111023	3.70	ng	97
32) Benzoic acid	8.06	122	608	4.77	ng	# 32
37) 2-Methylnaphthalene	8.99	142	63925	3.37	ng	97
48) Acenaphthylene	9.89	152	118803	5.27	ng	99
49) Dimethylphthalate	9.76	163	227261	13.72	ng	99
51) Acenaphthene	10.06	154	43610	3.11	ng	87
54) Dibenzofuran	10.24	168	73176	3.85	ng	# 95
57) Fluorene	10.59	166	120432	8.54	ng	94
64) 4,6-Dinitro-2-methylphenol	10.83	198	501	5.17	ng	# 1
70) Phenanthrene	11.55	178	681925	32.96	ng	98
71) Anthracene	11.61	178	260404	12.88	ng	97
72) Carbazole	11.77	167	78946	4.09	ng	99
74) Fluoranthene	12.75	202	924792	45.69	ng	94
77) Pyrene	12.98	202	899775	43.12	ng	99
80) Benzo(a)anthracene	14.17	228	394548	25.49	ng	# 89
82) Chrysene	14.17	228	394548	23.87	ng	93
85) Indeno(1,2,3-cd)pyrene	17.19	276	137140	11.21	ng	98
87) Benzo(b)fluoranthene	15.23	252	437915	35.02	ng	# 94
88) Benzo(k)fluoranthene	15.23	252	437915	42.11	ng	# 94
89) Benzo(a)pyrene	15.61	252	241455	22.82	ng	# 95
90) Dibenzo(a,h)anthracene	17.20	278	34618	4.05	ng	# 63
91) Benzo(g,h,i)perylene	17.64	276	136347	15.76	ng	# 92

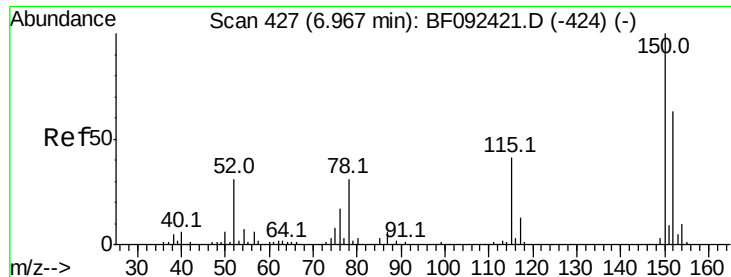
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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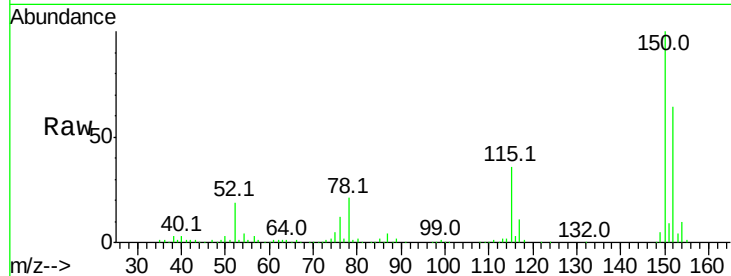


#1

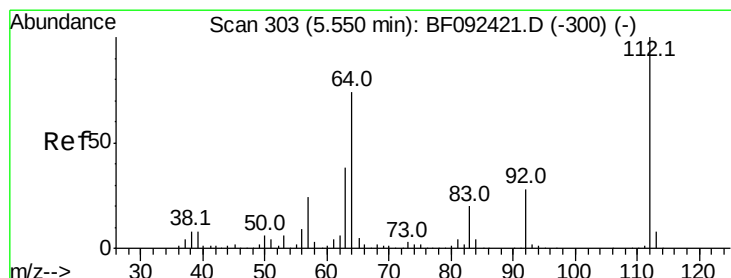
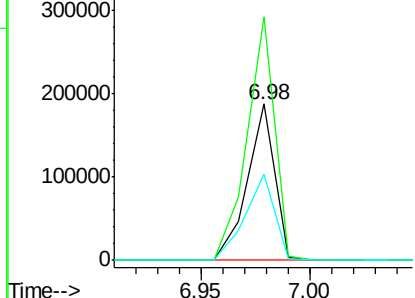
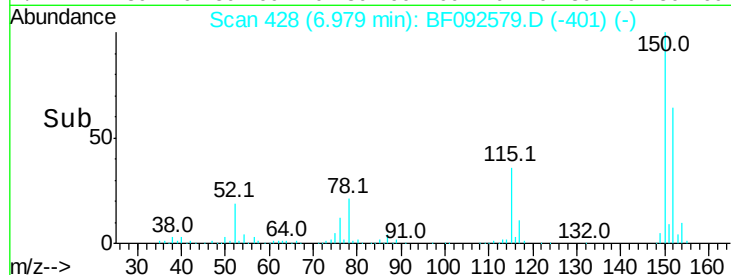
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.01 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 163591
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 55.3 46.0 69.0



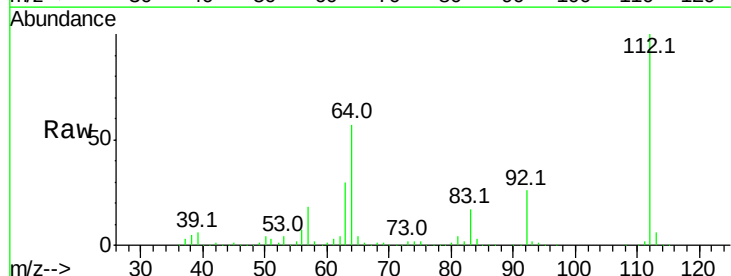
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



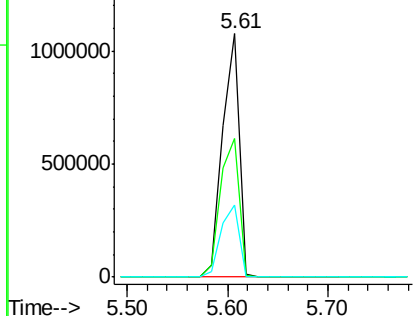
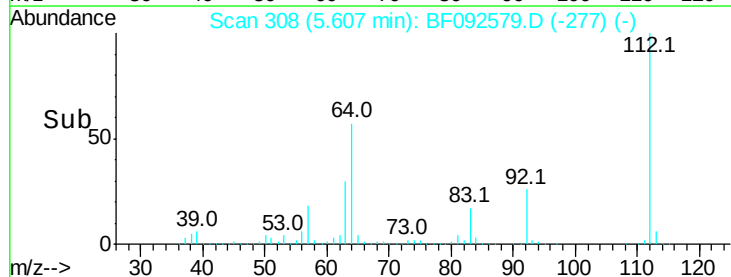
#5

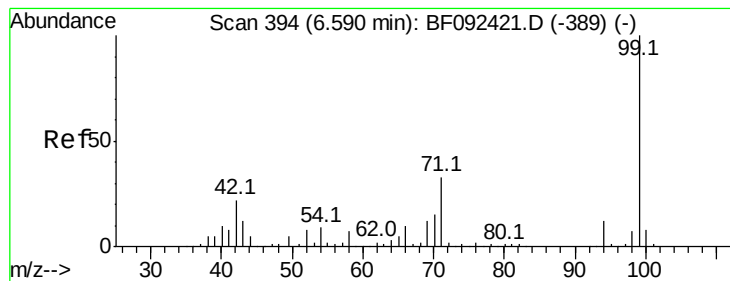
2-Fluorophenol
Concen: 118.89 ng
RT: 5.61 min Scan# 308
Delta R.T. 0.06 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Tgt Ion:112 Resp: 1250113
Ion Ratio Lower Upper
112 100
64 56.9 46.1 69.1
63 29.7 23.8 35.6



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: 109.03 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.05 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

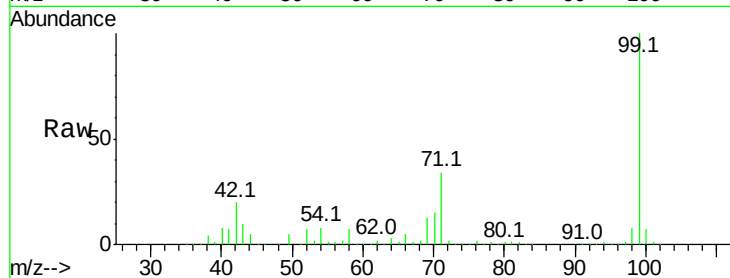
Tot Ion: 99 Resp: 1460247

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

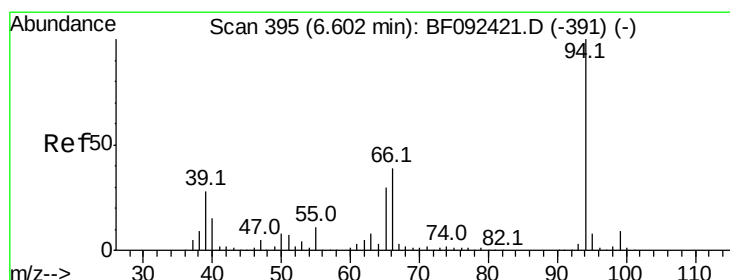
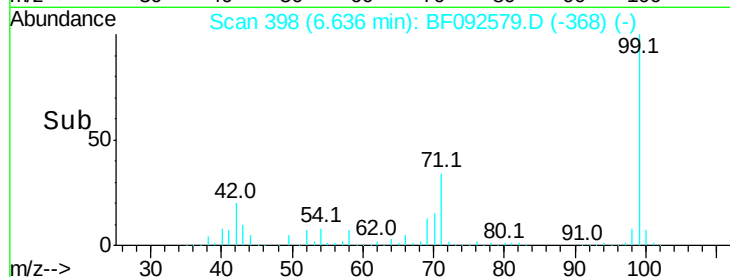
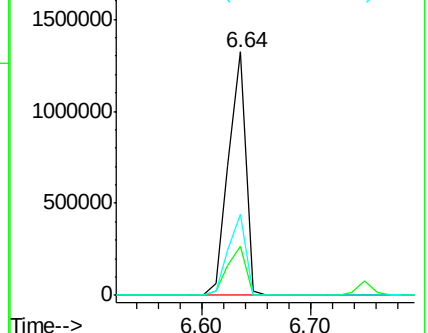
71 33.5 27.5 41.3



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



#10

Phenol

Concen: 4.36 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.05 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

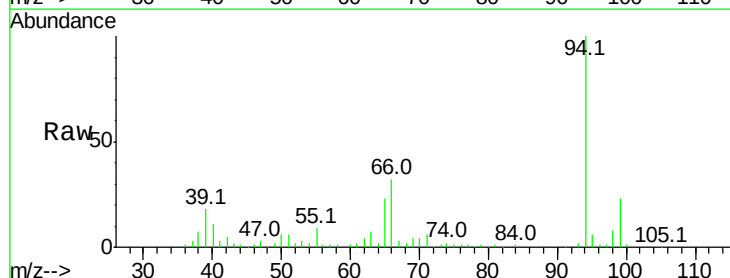
Tgt Ion: 94 Resp: 70539

Ion Ratio Lower Upper

94 100

65 23.4 21.4 61.4

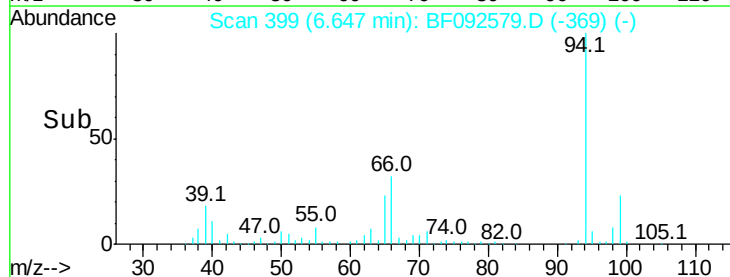
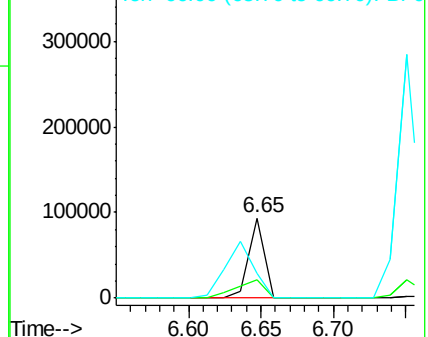
66 31.7 44.0 84.0#

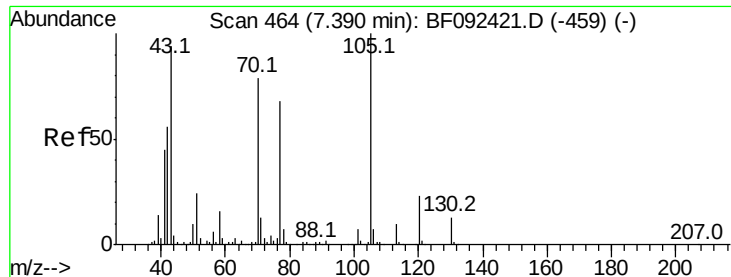


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

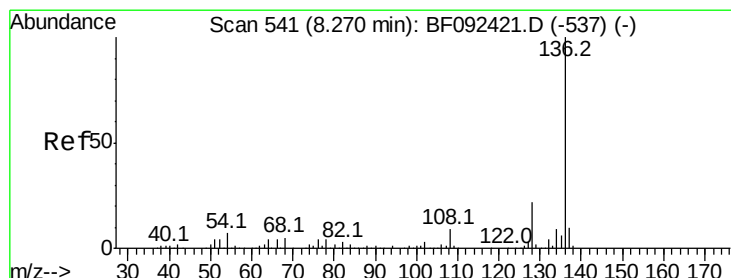
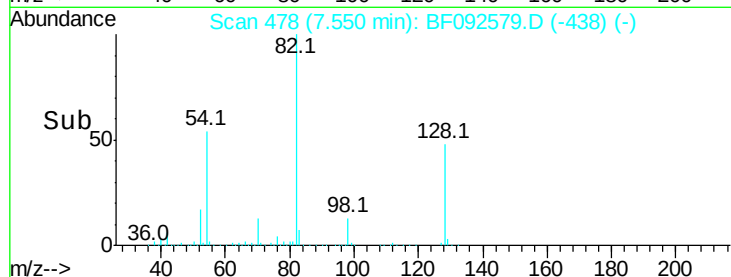
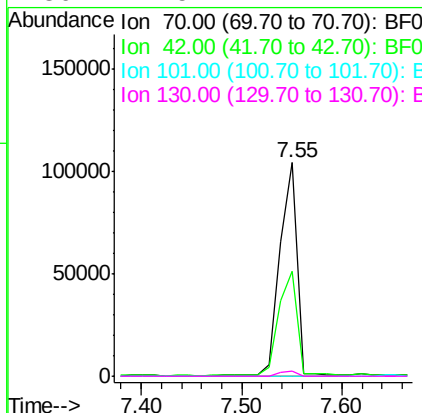
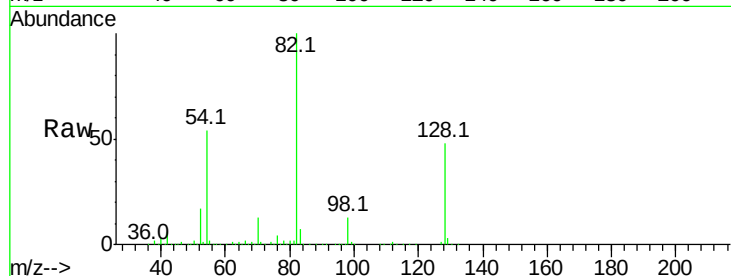




#19
n-Nitroso-di-n-propylamine
Concen: 13.63 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.16 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

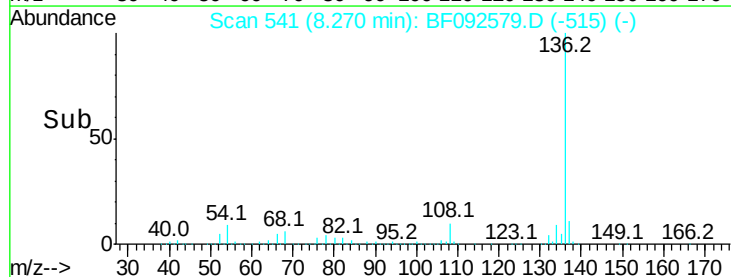
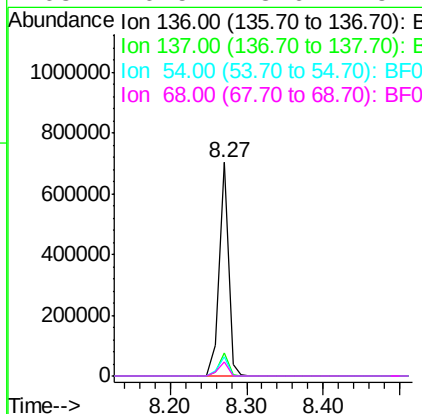
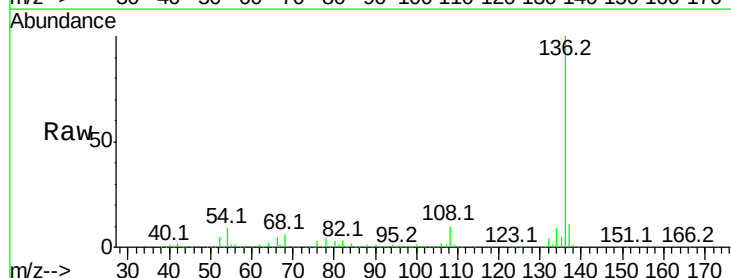
Instrument :
BNA_F
ClientSampleId :

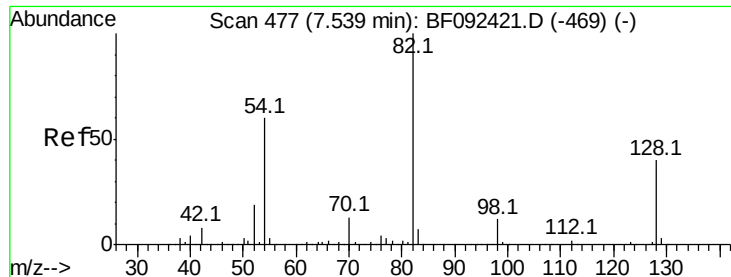
Tot Ion: 70 Resp: 124305
Ion Ratio Lower Upper
70 100
42 49.0 49.4 74.0#
101 0.0 7.4 11.2#
130 2.5 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Tgt Ion: 136 Resp: 586131
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.3 4.5 6.7#
68 6.5 3.6 5.4#

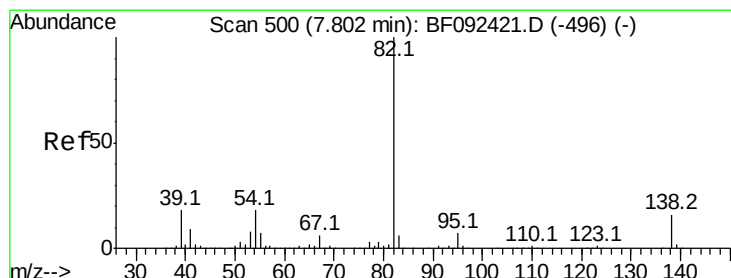
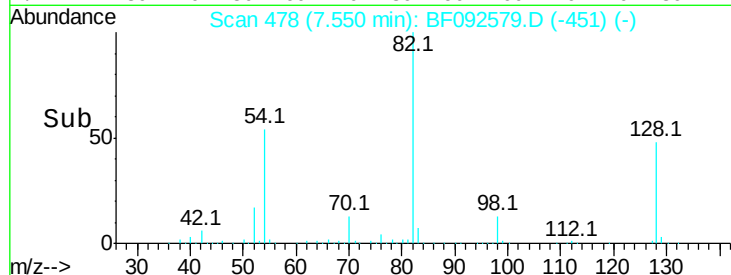
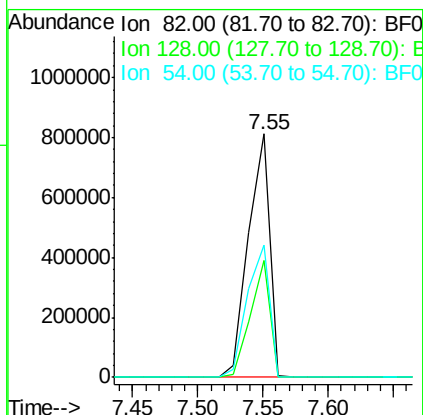
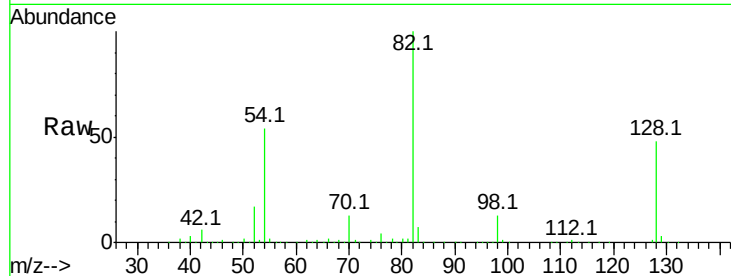




#23
 Nitrobenzene-d5
 Concen: 86.03 ng
 RT: 7.55 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

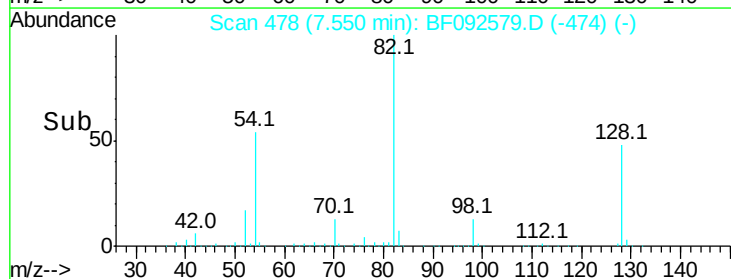
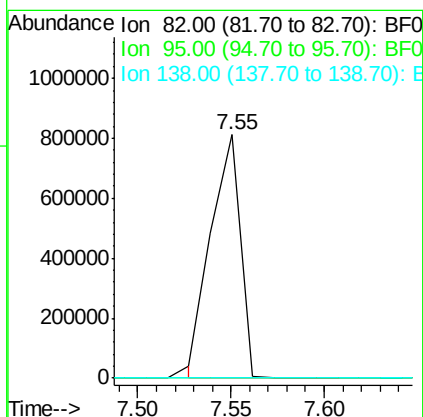
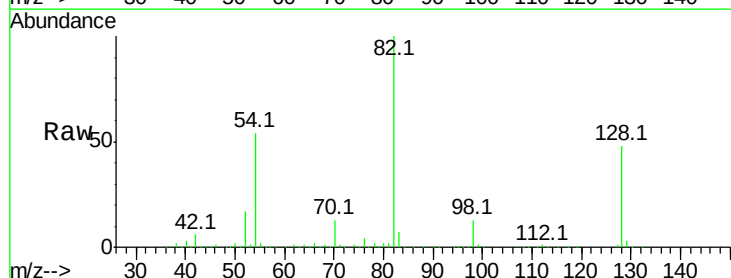
Instrument :
 BNA_F
 ClientSampleId :

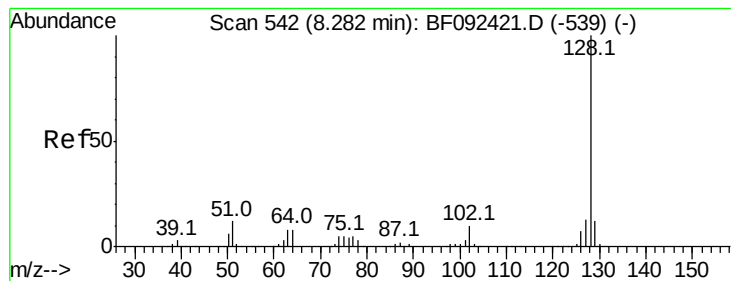
Tot Ion: 82 Resp: 923138
 Ion Ratio Lower Upper
 82 100
 128 48.3 34.6 52.0
 54 54.1 39.5 59.3



#25
 Isophorone
 Concen: 42.14 ng
 RT: 7.55 min Scan# 478
 Delta R.T. -0.25 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

Tgt Ion: 82 Resp: 891075
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.6 8.4#
 138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 3.70 ng

RT: 8.29 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

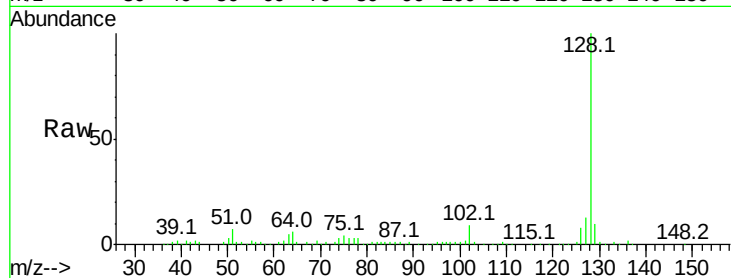
Tot Ion:128 Resp: 111023

Ion Ratio Lower Upper

128 100

129 10.1 9.5 14.3

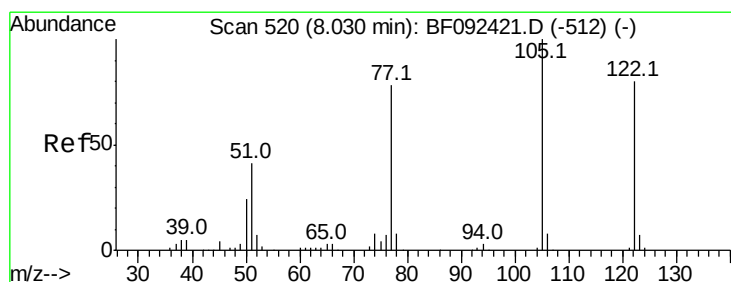
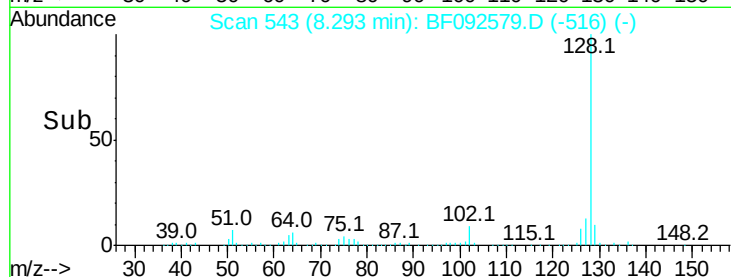
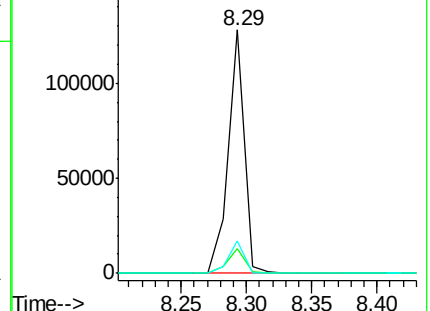
127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.77 ng

RT: 8.06 min Scan# 523

Delta R.T. 0.03 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

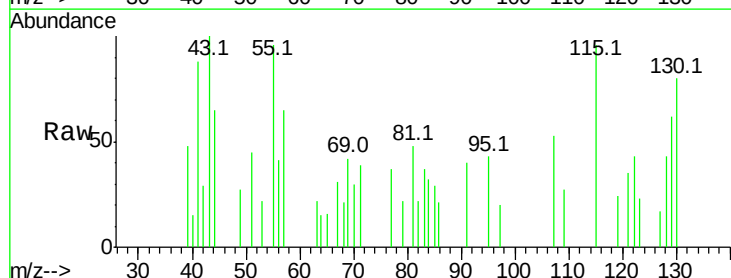
Tgt Ion:122 Resp: 608

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

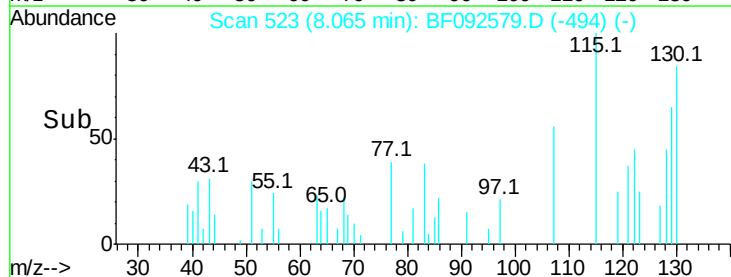
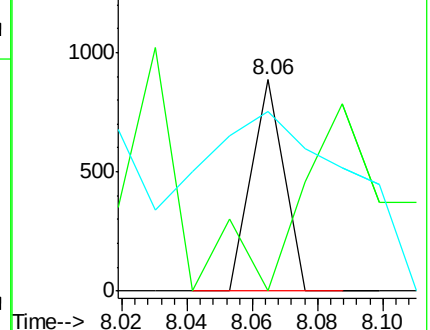
77 84.9 74.5 114.5

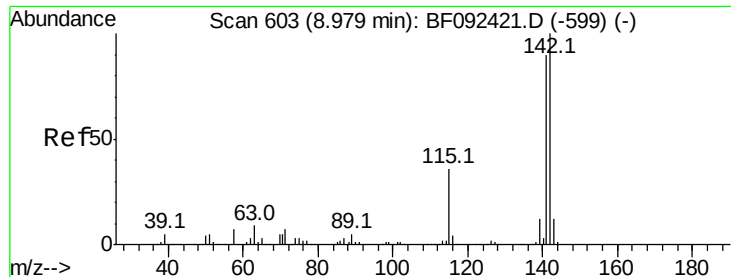


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#37

2-Methylnaphthalene

Concen: 3.37 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

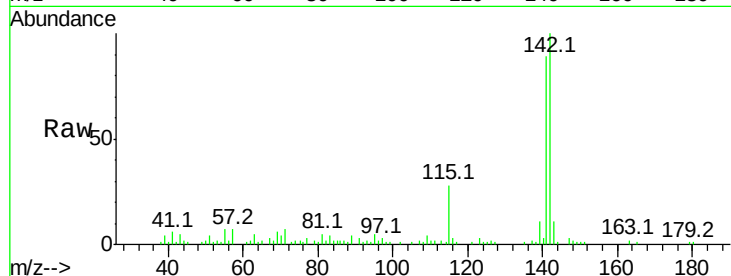
Tot Ion:142 Resp: 63925

Ion Ratio Lower Upper

142 100

141 88.8 71.0 106.6

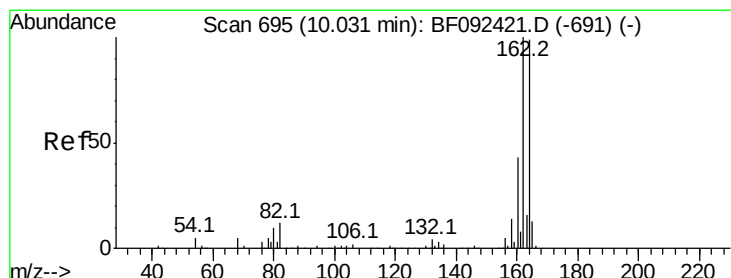
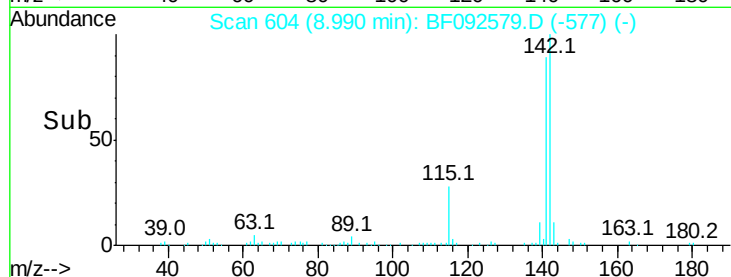
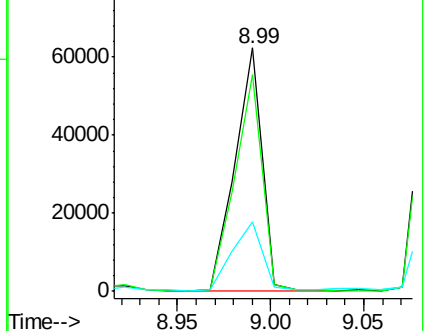
115 28.3 28.3 42.5



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: 10.04 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

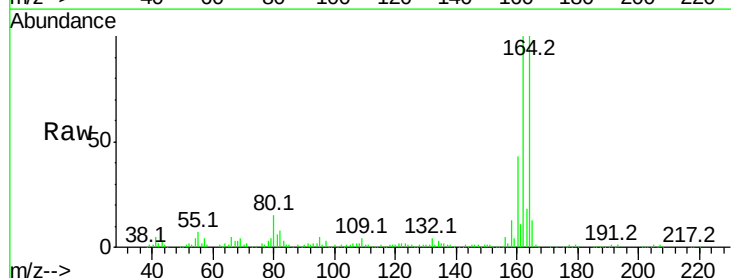
Tgt Ion:164 Resp: 260408

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.2

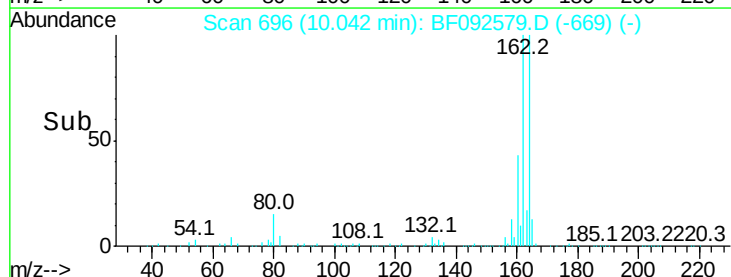
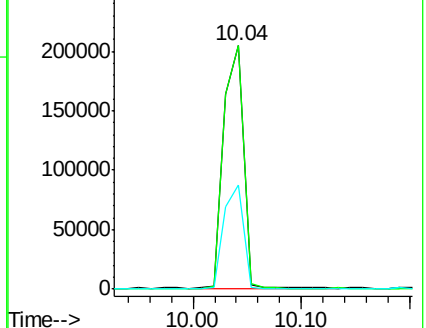
160 42.8 36.9 55.3

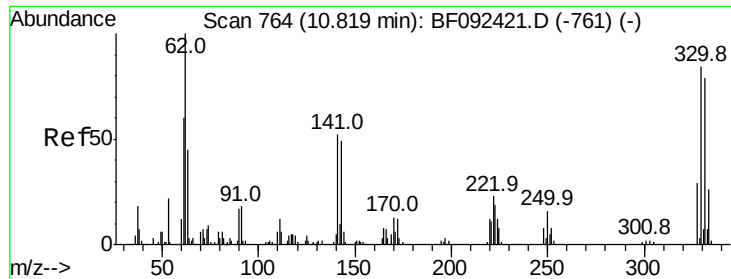


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 112.30 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampled :

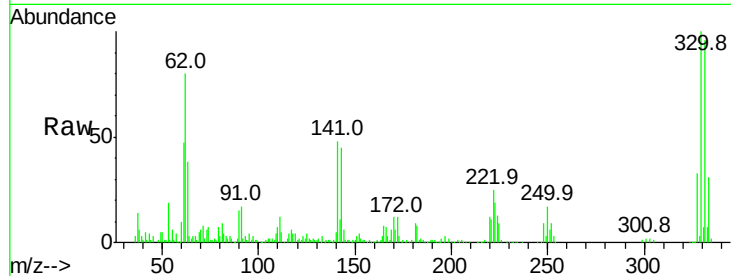
Tot Ion:330 Resp: 199285

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

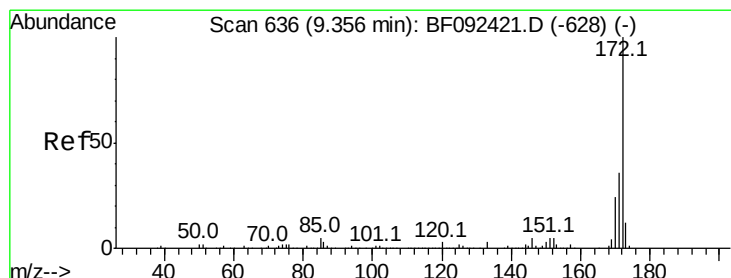
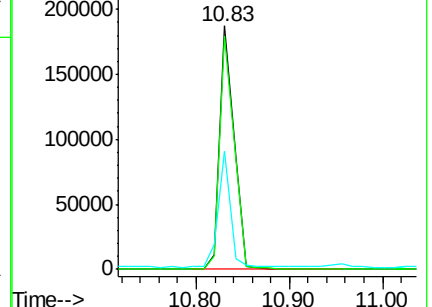
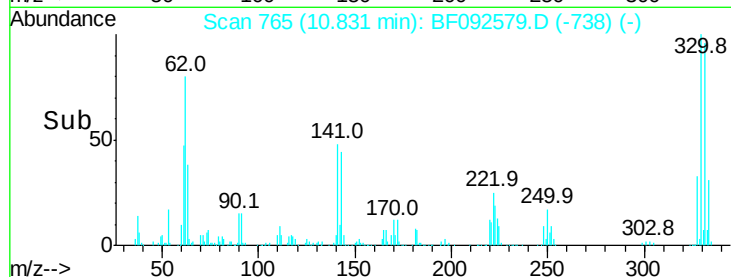
141 42.0 34.1 51.1



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: 98.99 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

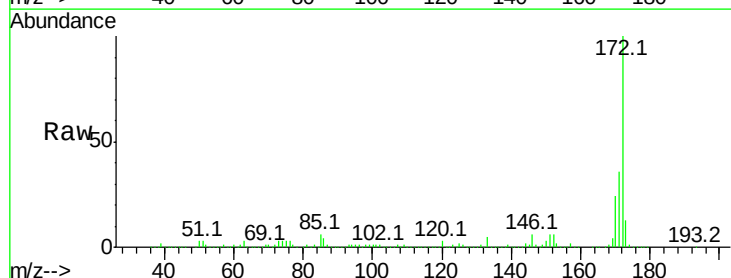
Tgt Ion:172 Resp: 1394064

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.0

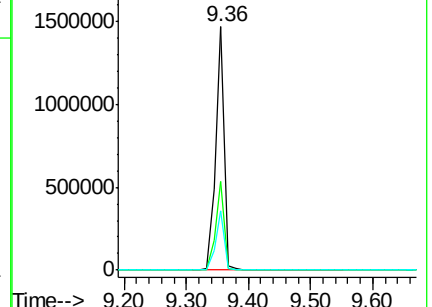
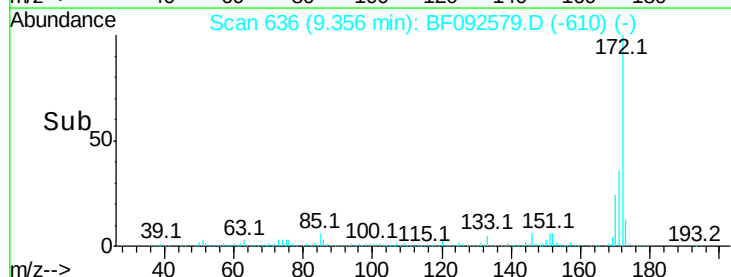
170 24.3 20.2 30.4

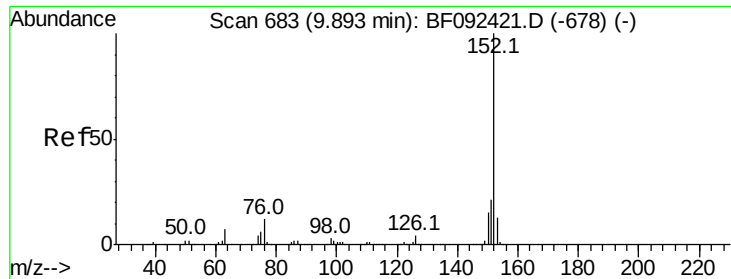


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

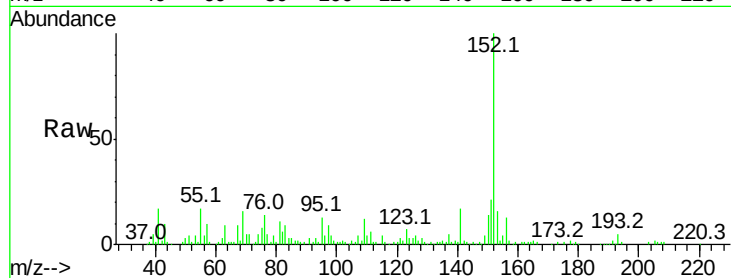




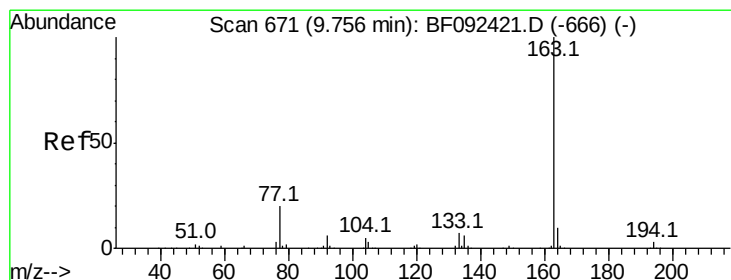
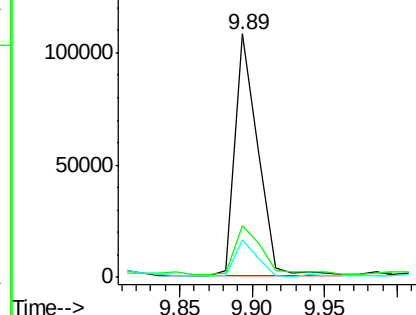
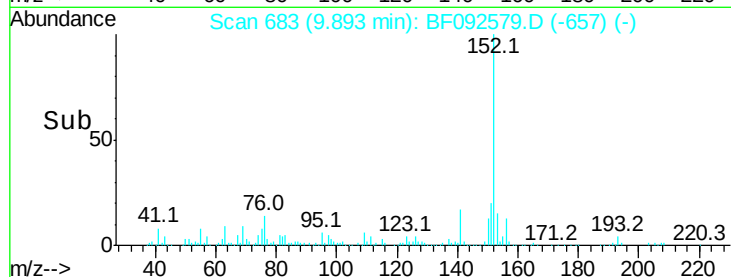
#48
Acenaphthylene
Concen: 5.27 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.9	25.3
153	15.6	11.4	17.2

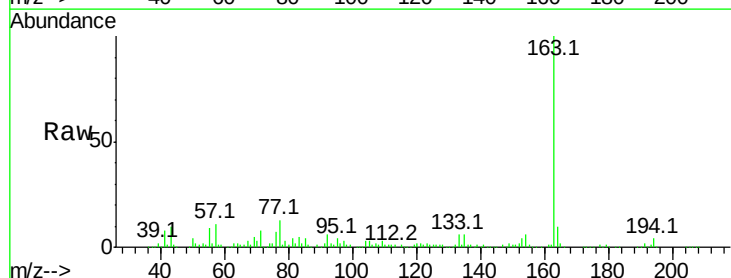


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

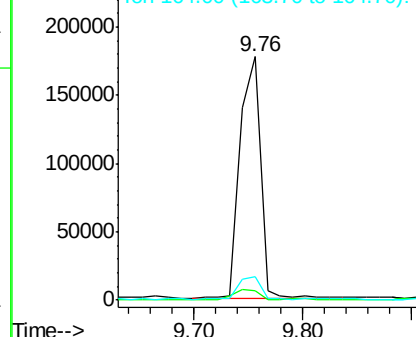
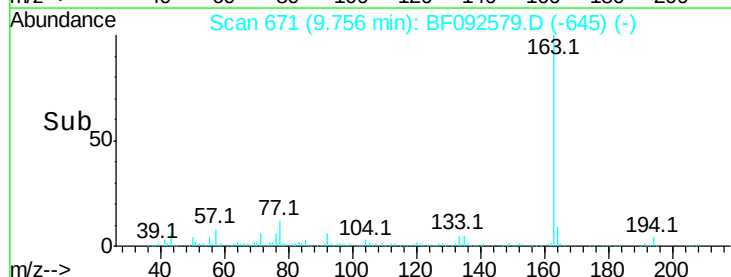


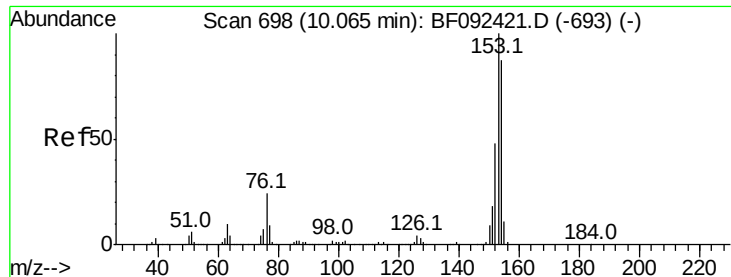
#49
Dimethylphthalate
Concen: 13.72 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.7	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.11 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

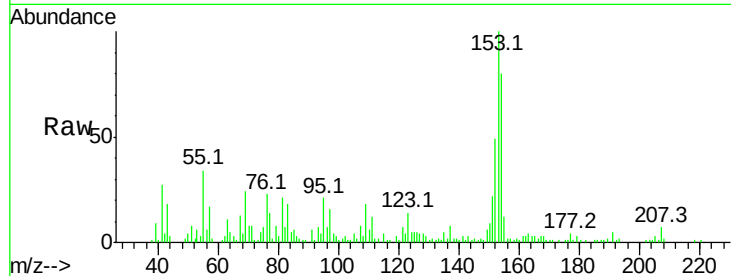
Tot Ion:154 Resp: 43610

Ion Ratio Lower Upper

154 100

153 124.5 88.6 133.0

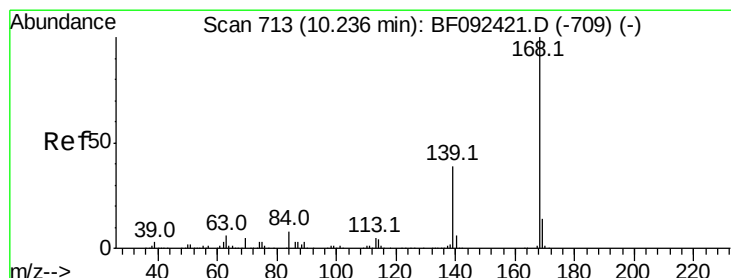
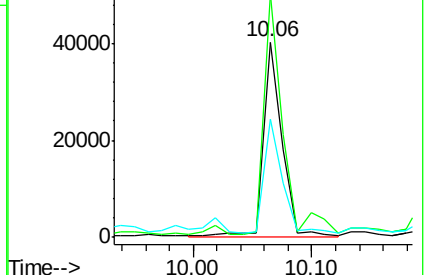
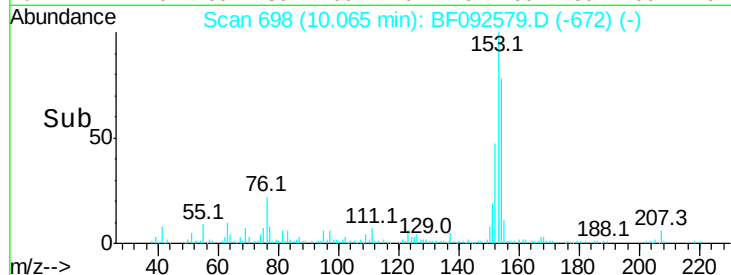
152 60.5 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.85 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

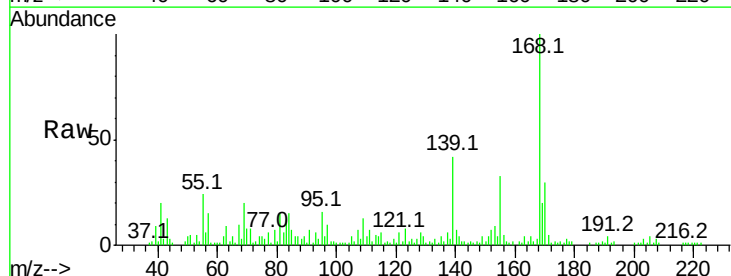
Tgt Ion:168 Resp: 73176

Ion Ratio Lower Upper

168 100

139 42.3 32.6 49.0

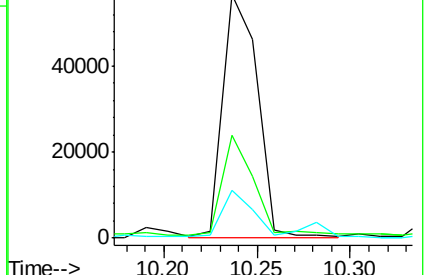
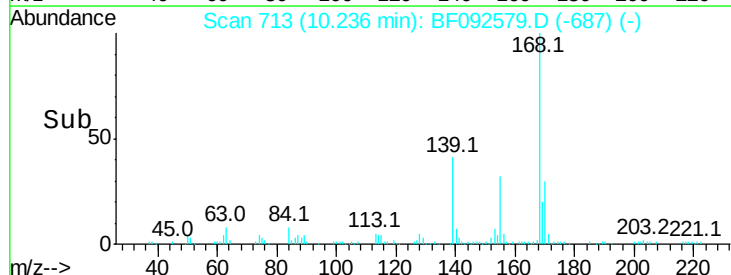
169 19.7 11.3 16.9#

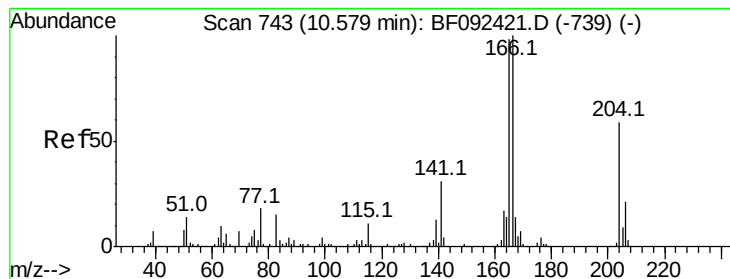


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.54 ng

RT: 10.59 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

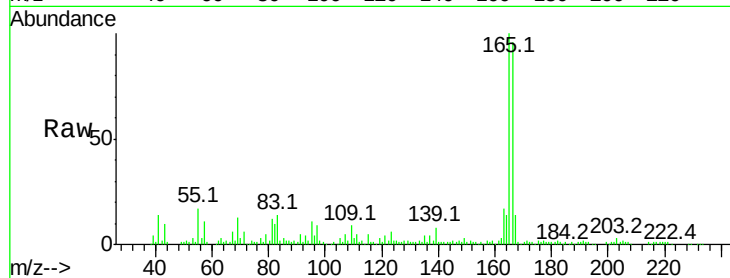
Tot Ion:166 Resp: 120432

Ion Ratio Lower Upper

166 100

165 104.0 77.8 116.8

167 14.5 10.8 16.2



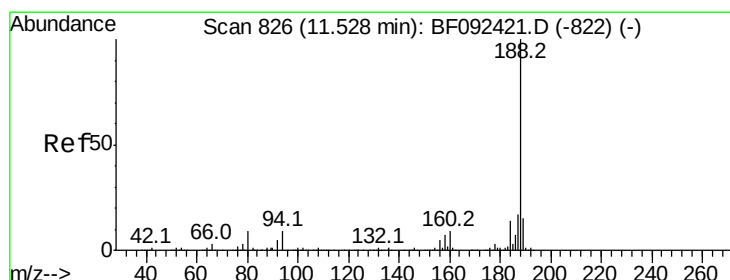
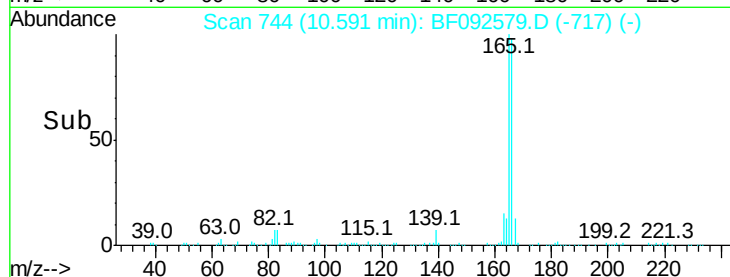
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.59

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

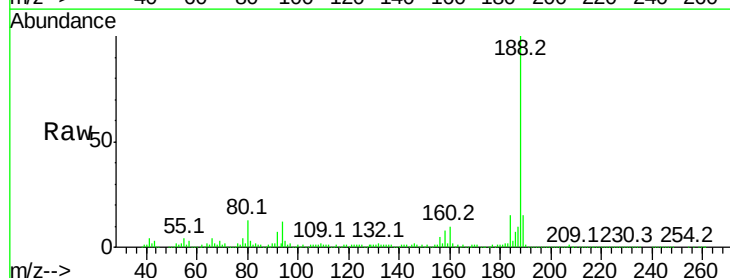
Tgt Ion:188 Resp: 375721

Ion Ratio Lower Upper

188 100

94 11.5 10.0 15.0

80 13.0 11.2 16.8



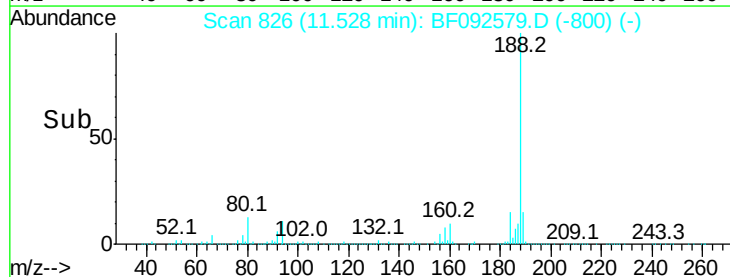
Abundance Ion 188.00 (187.70 to 188.70): E

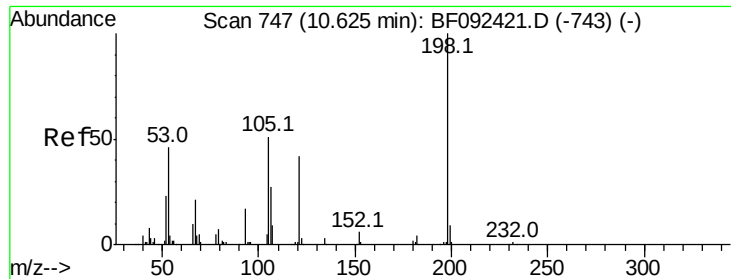
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.53

Time-->





#64

4,6-Dinitro-2-methylphenol

Concen: 5.17 ng

RT: 10.83 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

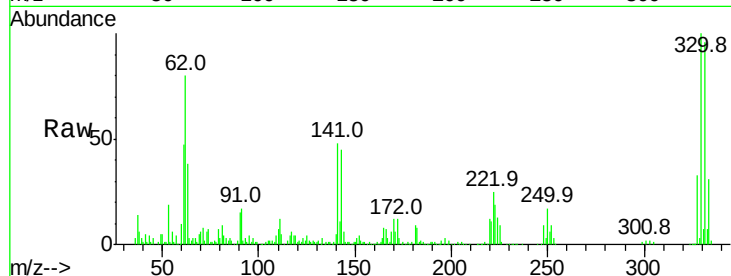
Tot Ion:198 Resp: 501

Ion Ratio Lower Upper

198 100

51 331.6 6.7 46.7#

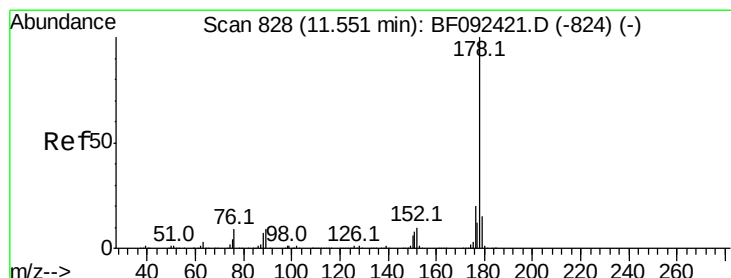
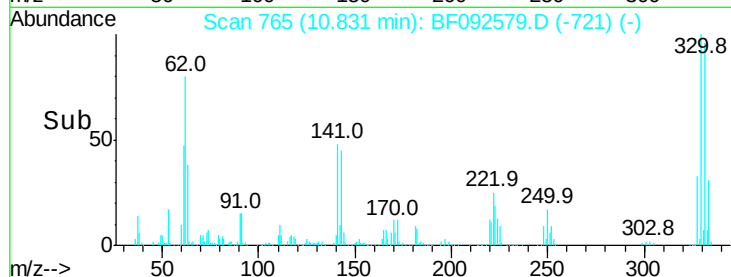
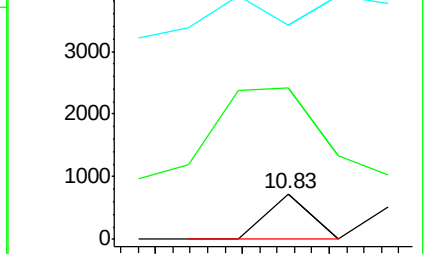
105 468.6 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 32.96 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

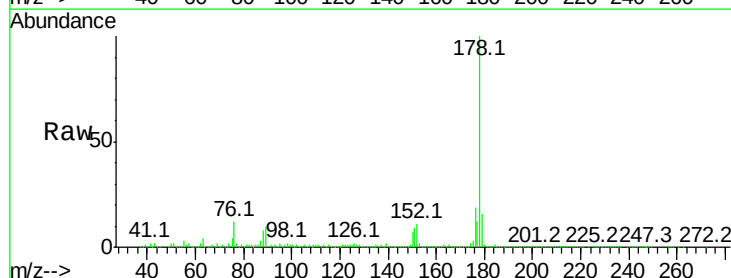
Tgt Ion:178 Resp: 681925

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

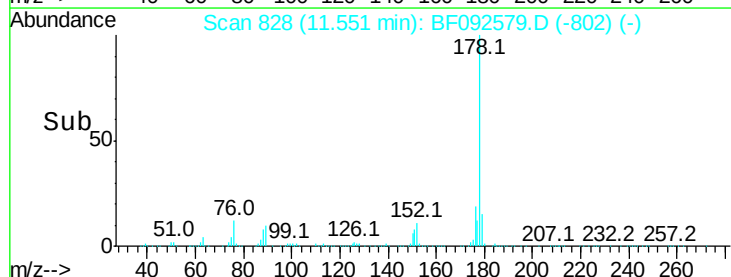
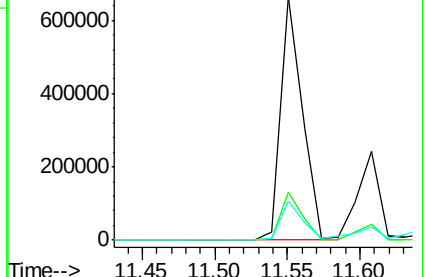
179 15.9 12.8 19.2

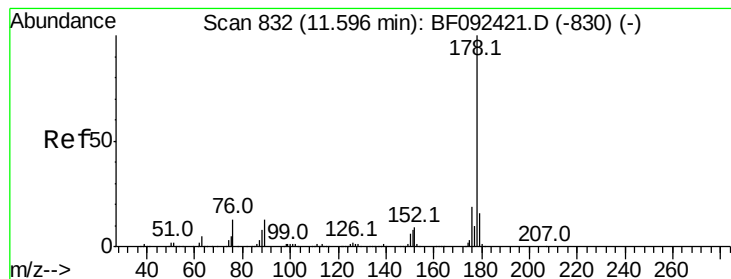


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 12.88 ng

RT: 11.61 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampled :

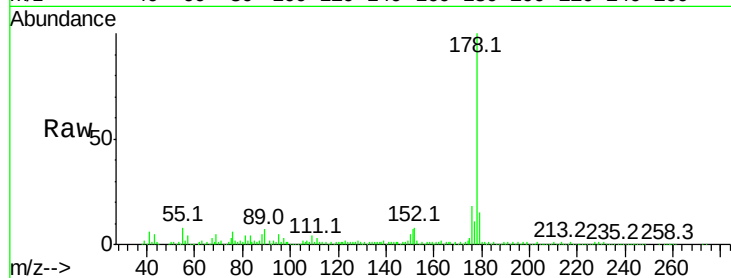
Tot Ion:178 Resp: 260404

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

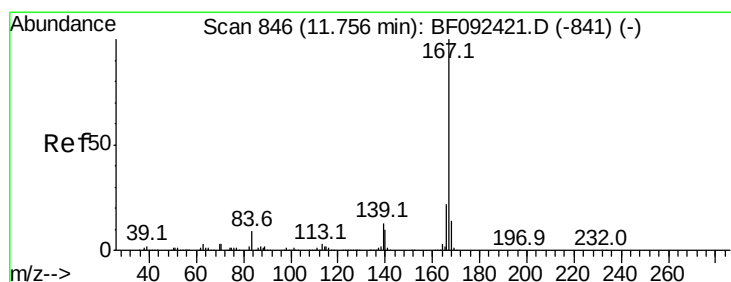
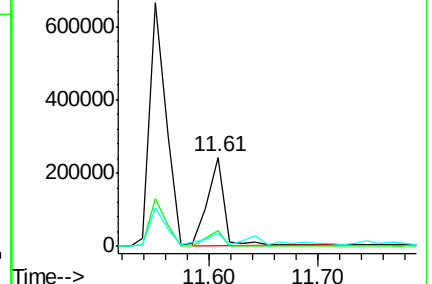
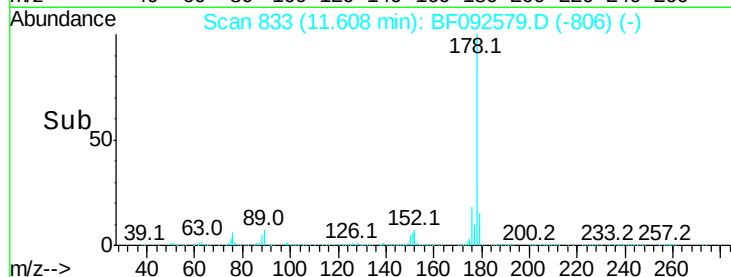
179 15.4 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 4.09 ng

RT: 11.77 min Scan# 847

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

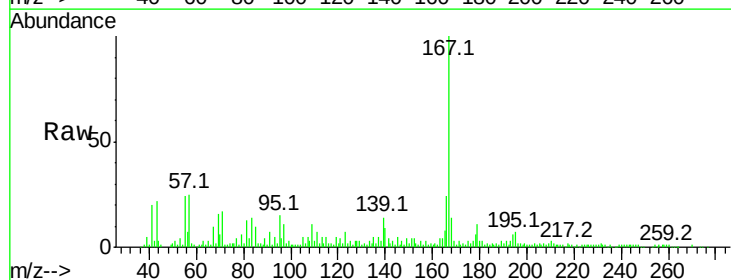
Tgt Ion:167 Resp: 78946

Ion Ratio Lower Upper

167 100

166 23.5 18.2 27.2

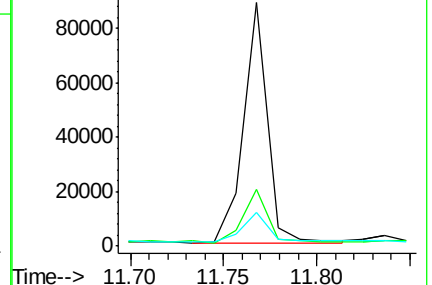
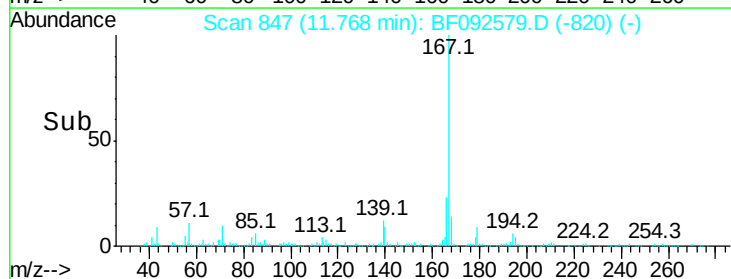
139 13.9 11.4 17.2

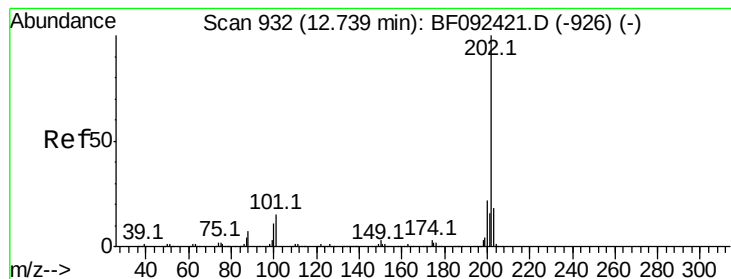


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

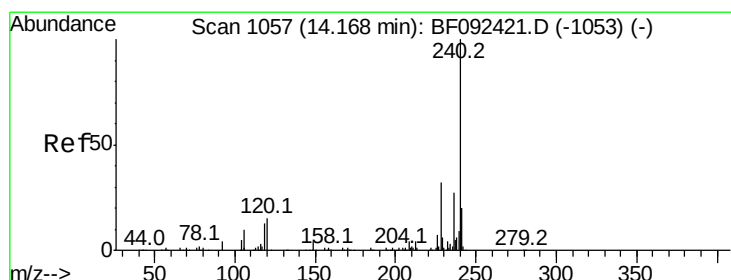
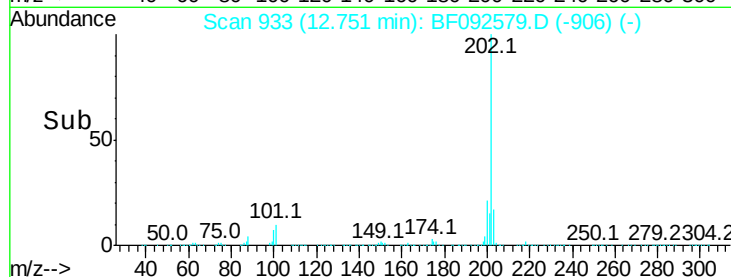
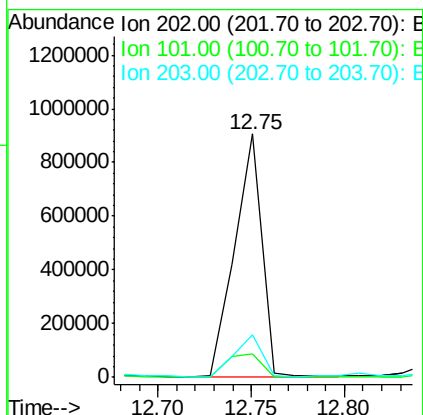
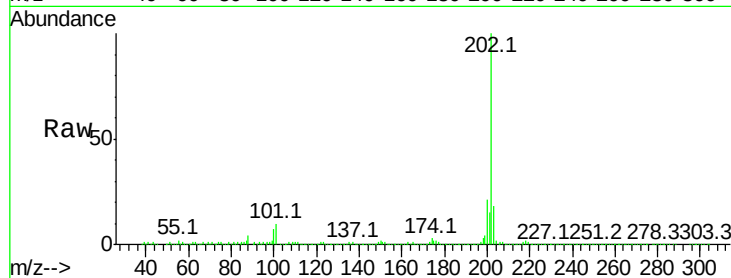




#74
 Fluoranthene
 Concen: 45.69 ng
 RT: 12.75 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

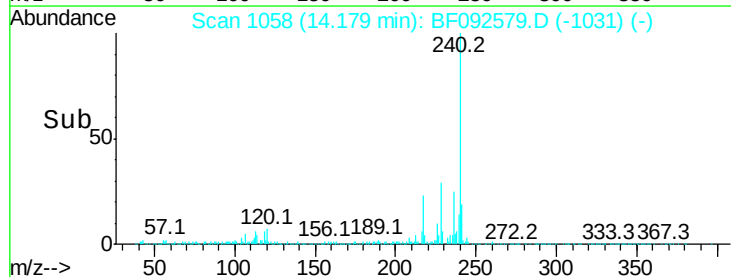
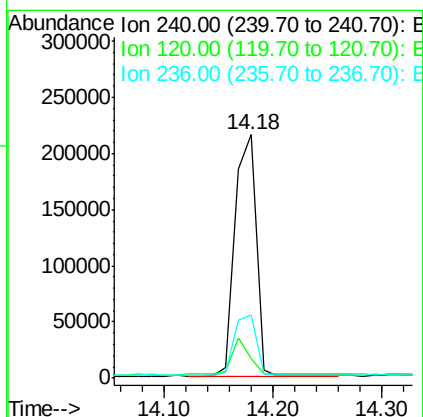
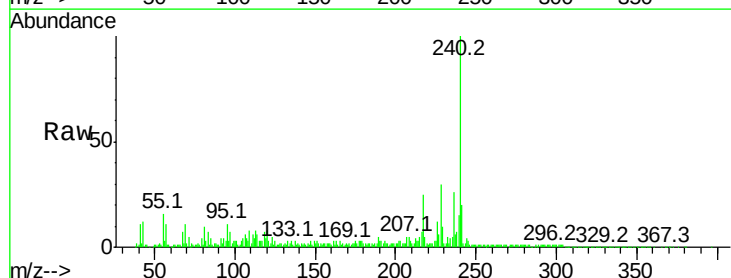
Instrument :
 BNA_F
 ClientSampleId :

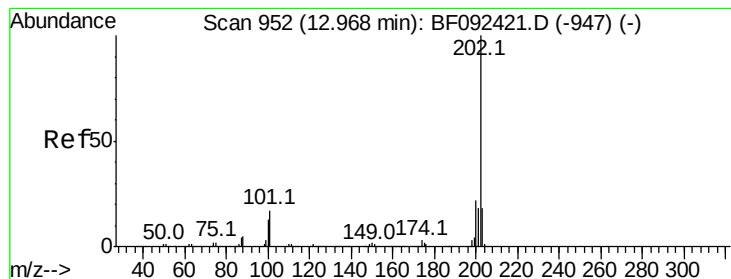
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.6
203	17.7	0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.18 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	12.9	19.3#
236	25.9	20.9	31.3





#77

Pvrene

Concen: 43.12 ng

RT: 12.98 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :
BNA_F
ClientSampleId :

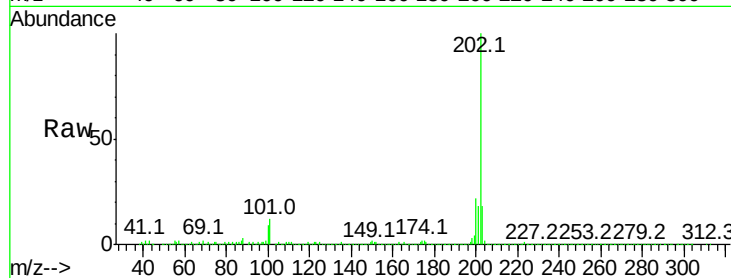
Tot Ion:202 Resp: 899775

Ion Ratio Lower Upper

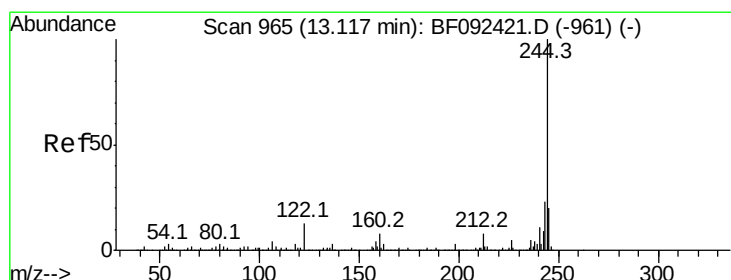
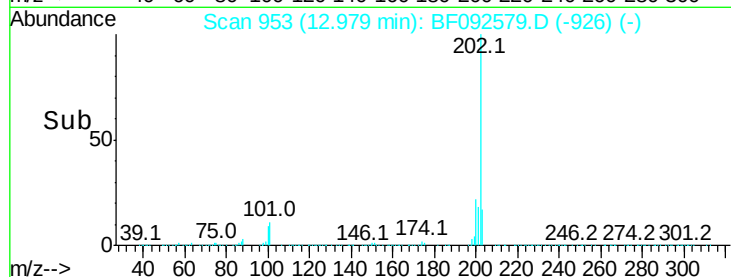
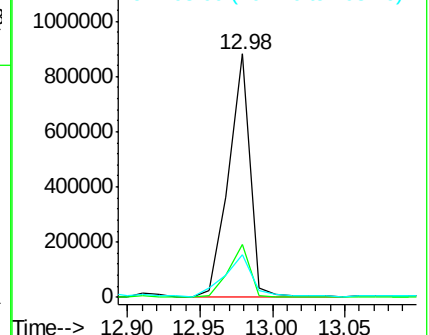
202 100

200 21.7 17.7 26.5

203 17.7 14.7 22.1



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: 84.20 ng

RT: 13.12 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

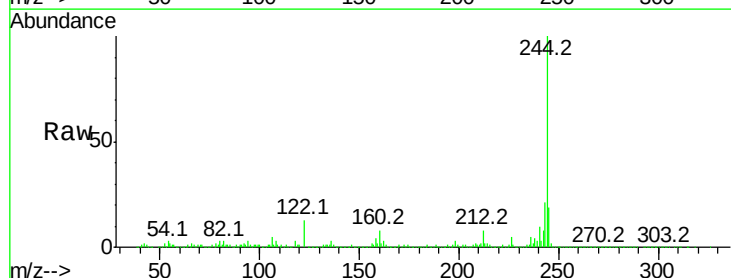
Tgt Ion:244 Resp: 910597

Ion Ratio Lower Upper

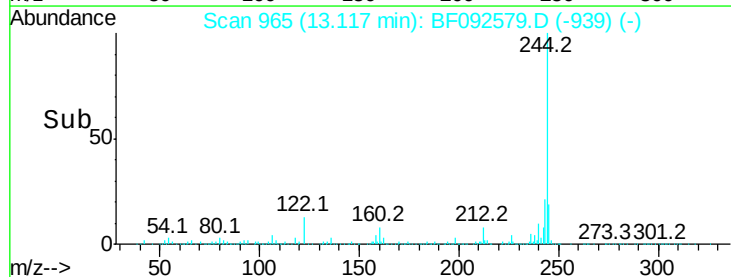
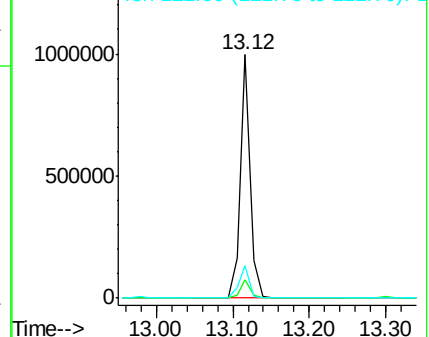
244 100

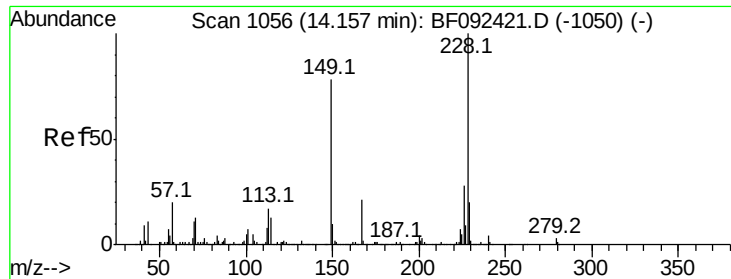
212 7.7 6.2 9.2

122 13.1 11.4 17.2



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

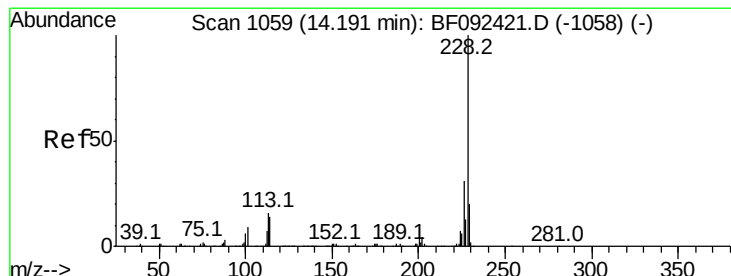
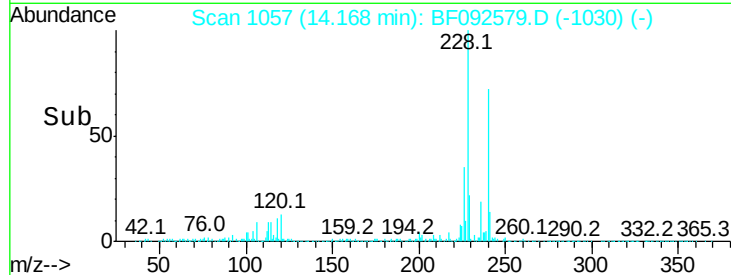
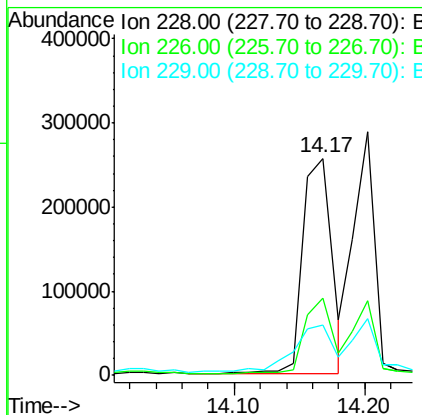
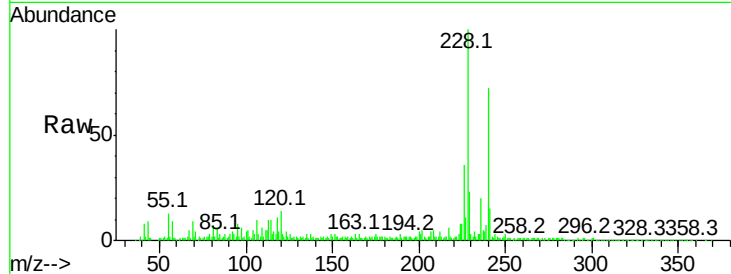




#80
 Benzo(a)anthracene
 Concen: 25.49 ng
 RT: 14.17 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

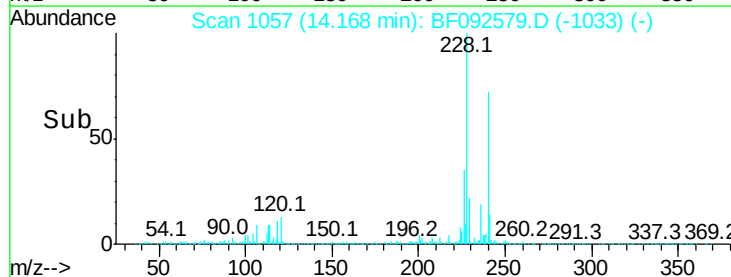
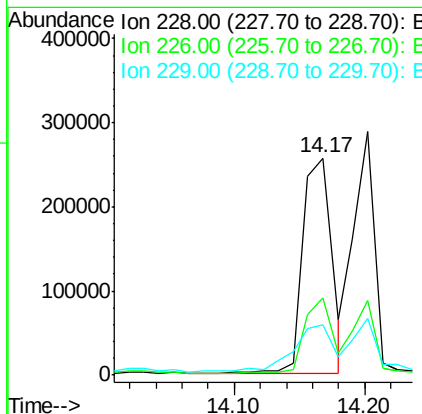
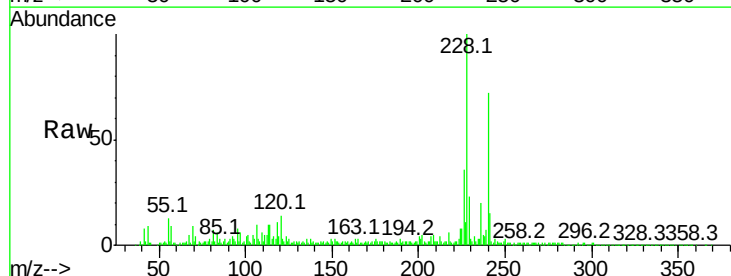
Instrument :
 BNA_F
 ClientSampleId :

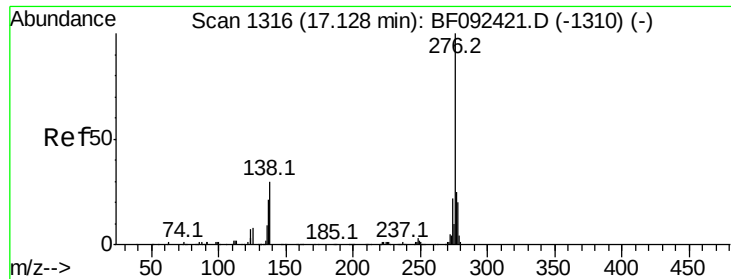
Tot Ion:228	Resp:	394548
Ion Ratio	Lower	Upper
228	100	
226	35.8	22.4 33.6#
229	23.2	16.2 24.4



#82
 Chrysene
 Concen: 23.87 ng
 RT: 14.17 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF092579.D
 Acq: 27 Jan 2017 16:06

Tgt Ion:228	Resp:	394548
Ion Ratio	Lower	Upper
228	100	
226	35.8	25.4 38.0
229	23.2	16.2 24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.21 ng

RT: 17.19 min Scan# 1321

Delta R.T. 0.06 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

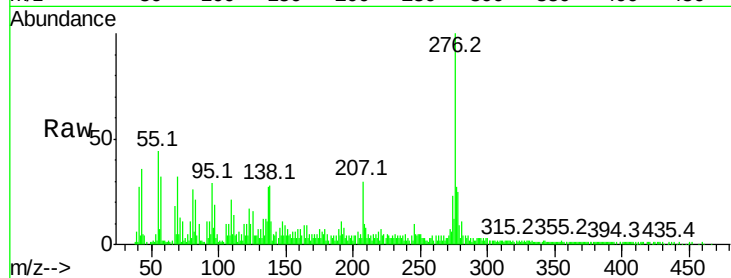
Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 137140

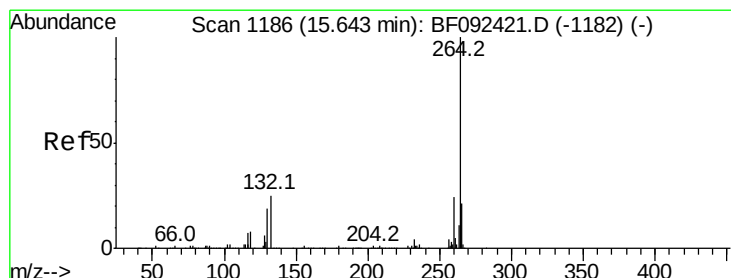
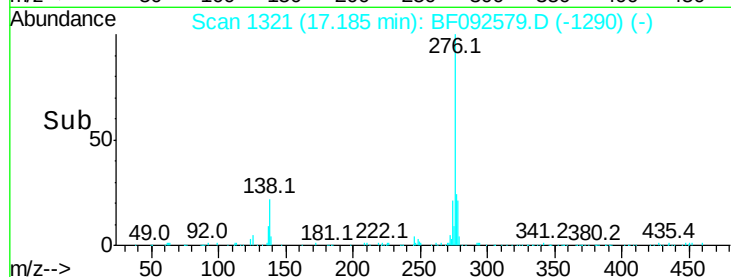
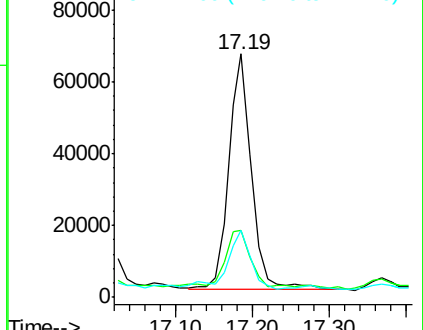
Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.8	32.6
277	24.6	20.2	30.4



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: 15.68 min Scan# 1189

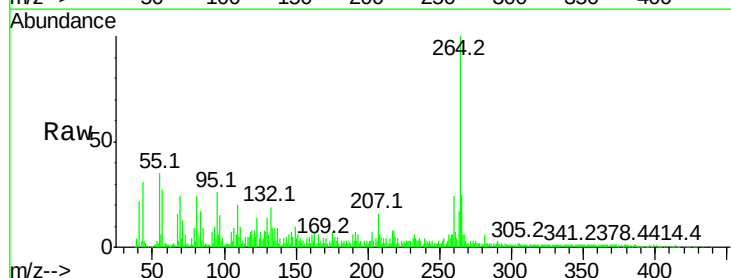
Delta R.T. 0.03 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Tgt Ion:264 Resp: 194806

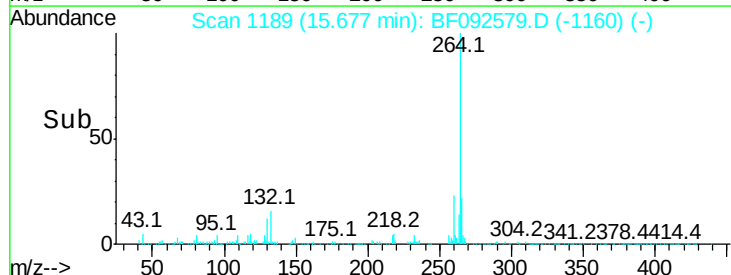
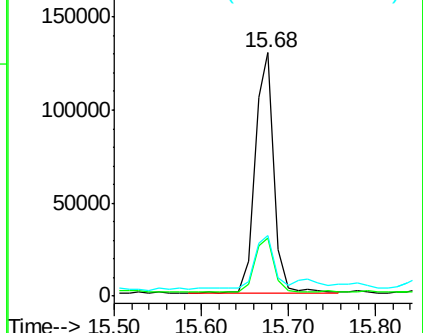
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	24.8	17.4	26.0

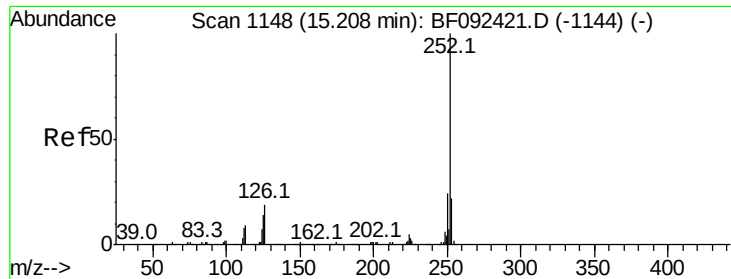


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

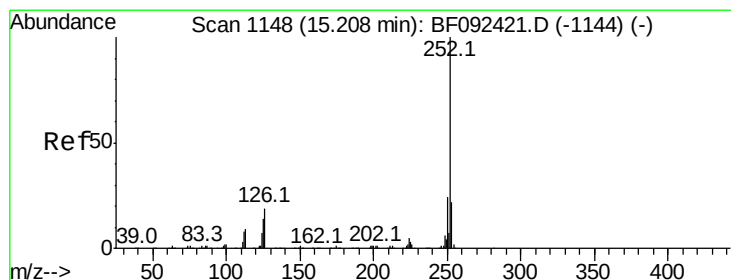
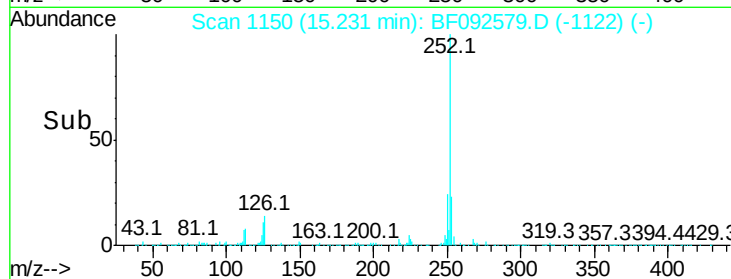
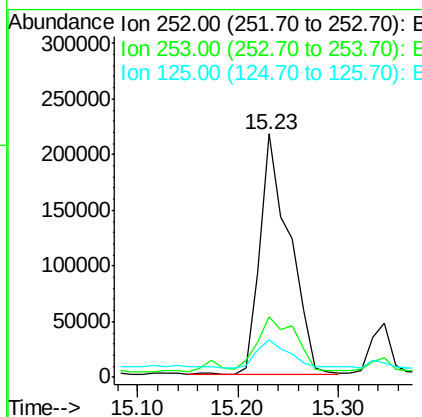
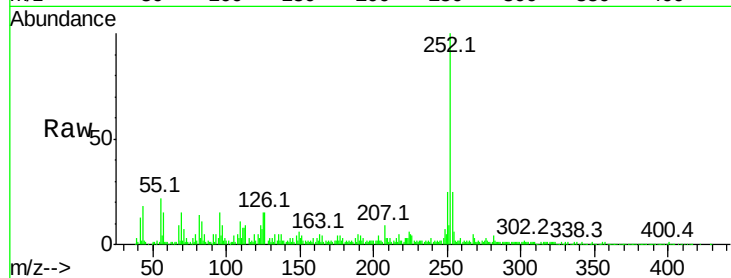




#87
Benzo(b)fluoranthene
Concen: 35.02 ng
RT: 15.23 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

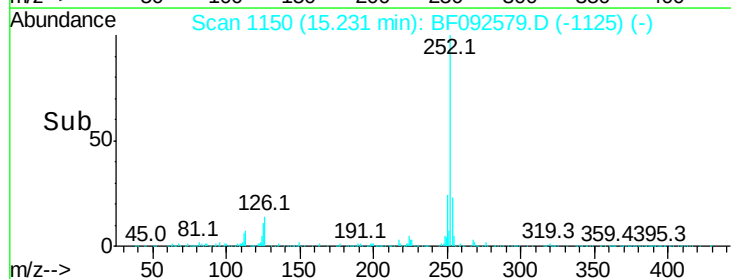
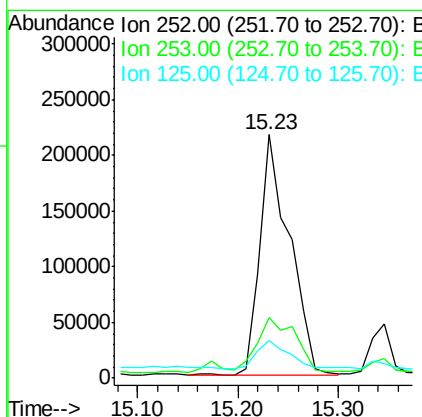
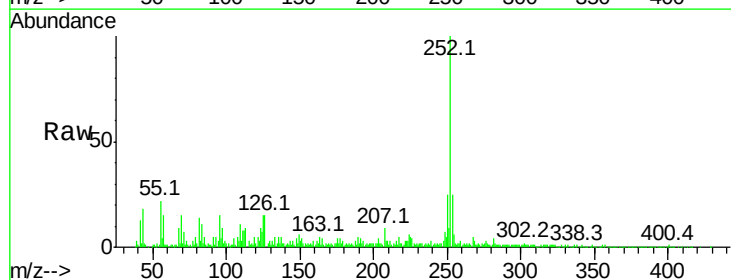
Instrument :
BNA_F
ClientSampleId :

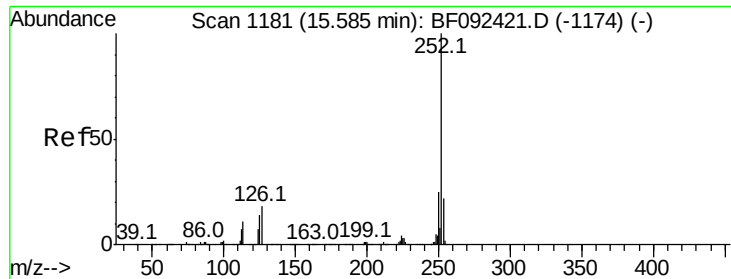
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.4
125	15.4	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 42.11 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF092579.D
Acq: 27 Jan 2017 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	15.4	8.9	13.3





#89

Benzo(a)pyrene

Concen: 22.82 ng

RT: 15.61 min Scan# 1183

Delta R.T. 0.02 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

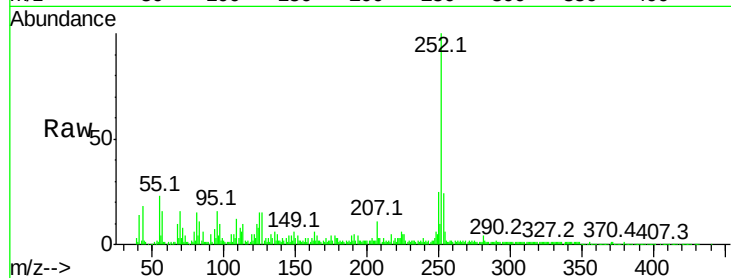
Tot Ion:252 Resp: 241455

Ion Ratio Lower Upper

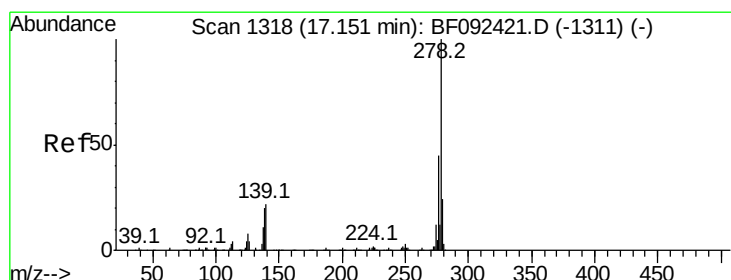
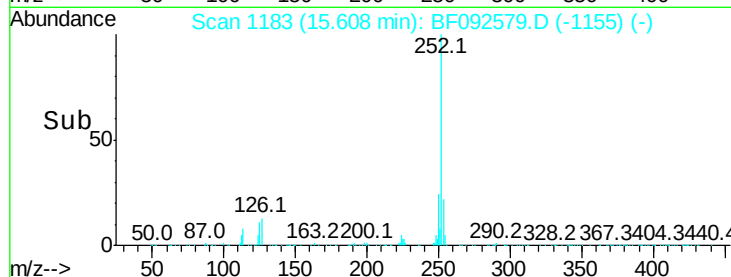
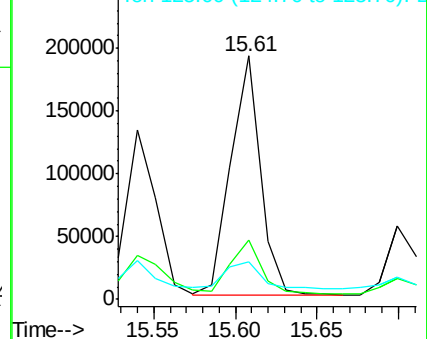
252 100

253 24.5 18.2 27.2

125 15.5 10.0 15.0#



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: 4.05 ng

RT: 17.20 min Scan# 1322

Delta R.T. 0.05 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

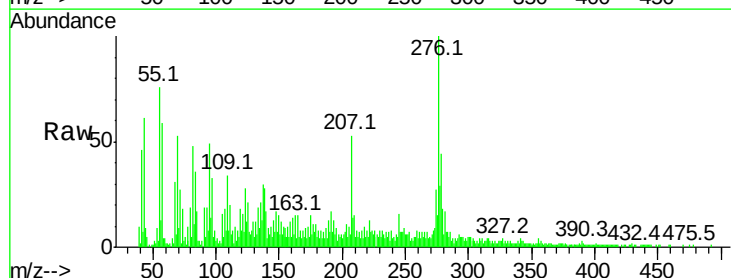
Tgt Ion:278 Resp: 34618

Ion Ratio Lower Upper

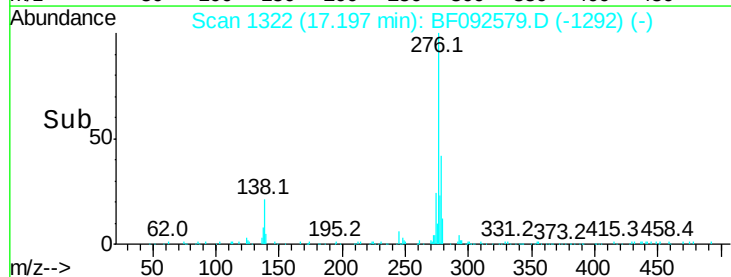
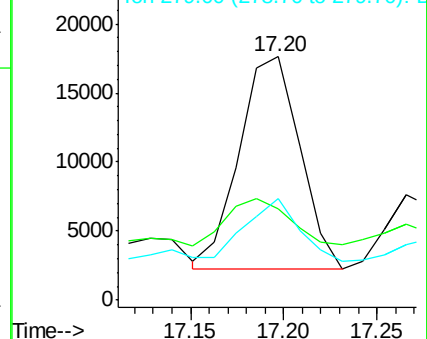
278 100

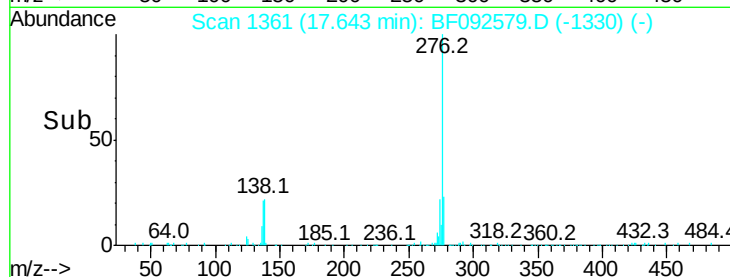
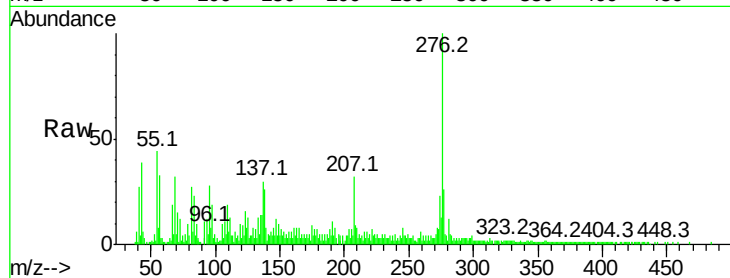
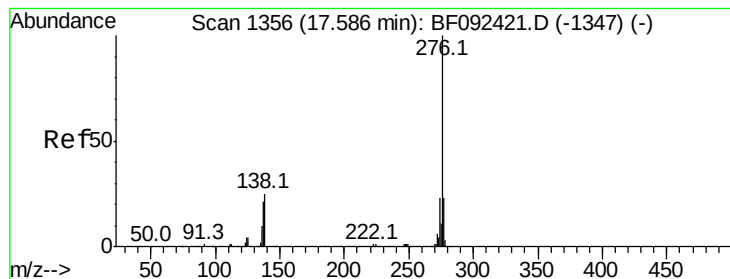
139 37.3 14.8 22.2#

279 41.7 19.8 29.6#



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: 15.76 ng

RT: 17.64 min Scan# 1361

Delta R.T. 0.06 min

Lab File: BF092579.D

Acq: 27 Jan 2017 16:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 136347

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 26.3 16.0 24.0#

