

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092503.D
 Acq On : 26 Jan 2017 3:27
 Operator : SJ/MA
 Sample : I1346-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P15-11817

Quant Time: Jan 26 12:19:58 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

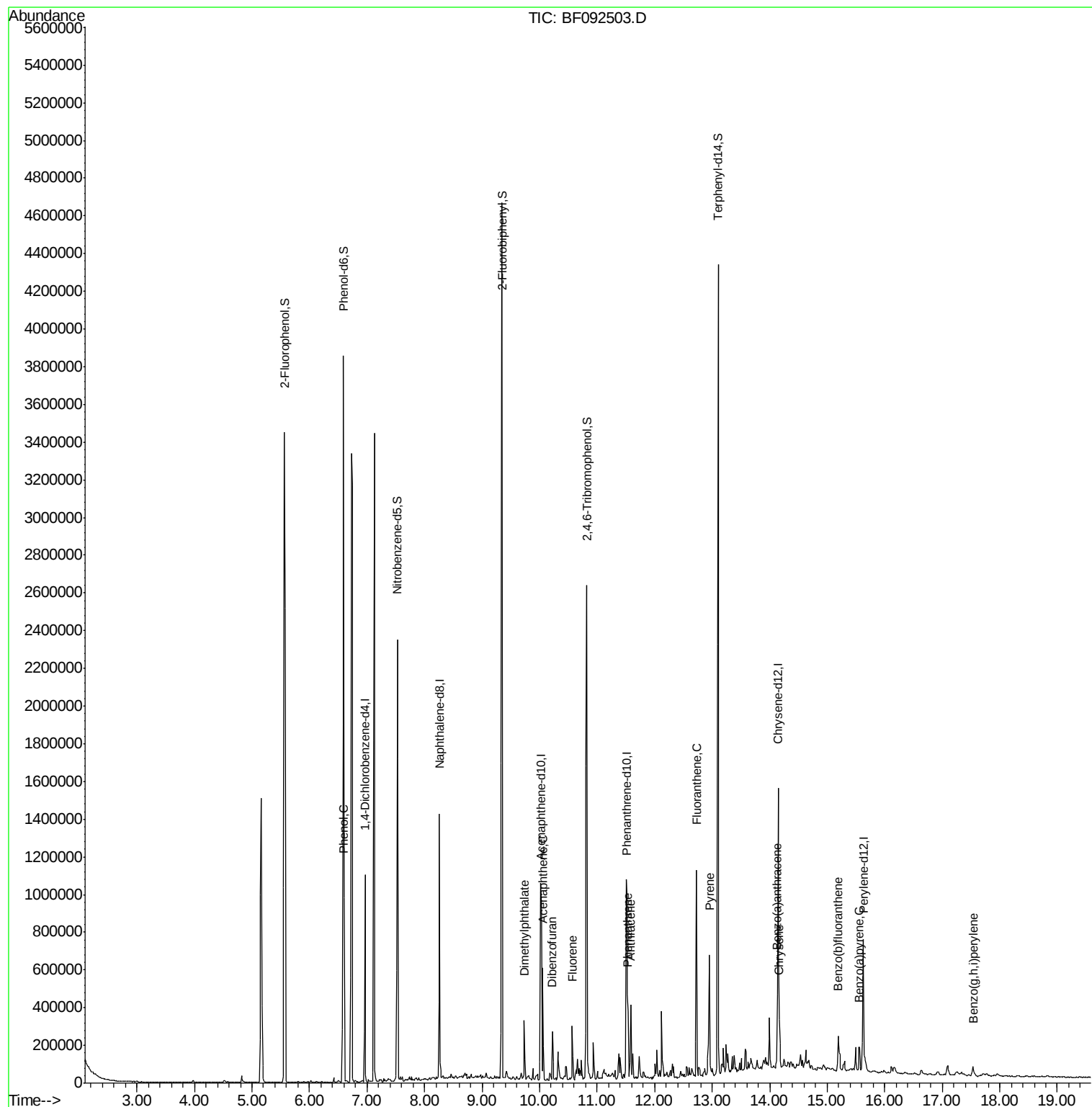
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158381	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	623068	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	335932	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	560075	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	486830	20.00	ng	-0.02
86) Perylene-d12	15.63	264	378853	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1371683	134.75	ng	0.01
7) Phenol-d6	6.59	99	1539072	118.69	ng	0.00
23) Nitrobenzene-d5	7.53	82	1078217	94.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	355081	155.11	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1561975	85.98	ng	-0.01
78) Terphenyl-d14	13.11	244	1518724	83.07	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.60	94	131034	8.37	ng	# 73
49) Dimethylphthalate	9.73	163	126881	5.94	ng	99
51) Acenaphthene	10.05	154	131299	7.26	ng	95
54) Dibenzofuran	10.22	168	105106	4.28	ng	99
57) Fluorene	10.57	166	85975	4.72	ng	96
70) Phenanthrene	11.54	178	221936	7.20	ng	96
71) Anthracene	11.58	178	158205	5.25	ng	97
74) Fluoranthene	12.73	202	394884	13.09	ng	95
77) Pyrene	12.96	202	372769	10.57	ng	97
80) Benzo(a)anthracene	14.13	228	128205	4.90	ng	99
82) Chrysene	14.17	228	96826m	3.47	ng	
87) Benzo(b)fluoranthene	15.19	252	118918m	4.89	ng	
89) Benzo(a)pyrene	15.56	252	81832	3.98	ng	98
91) Benzo(a,h,i)perylene	17.54	276	43200	2.57	ng	# 94

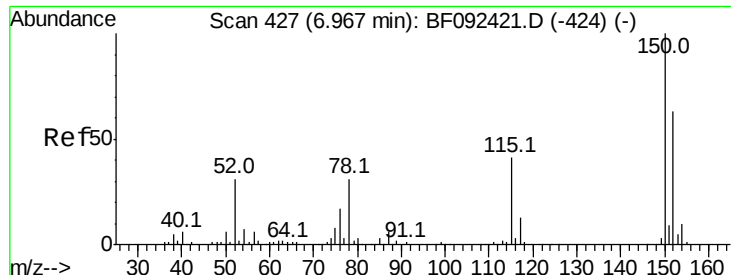
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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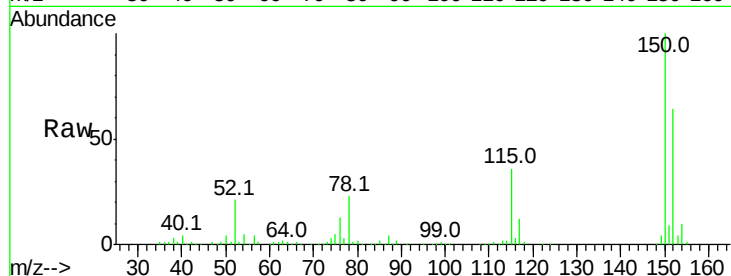


#1

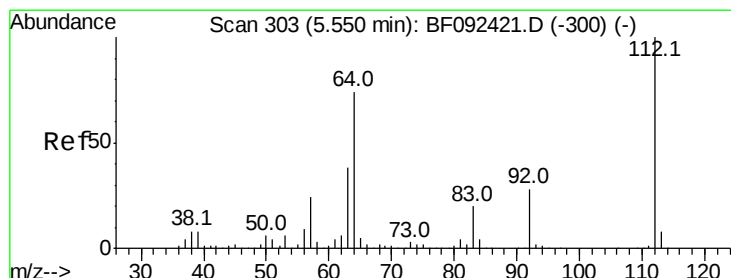
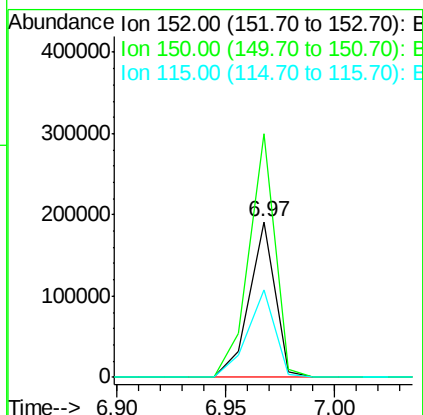
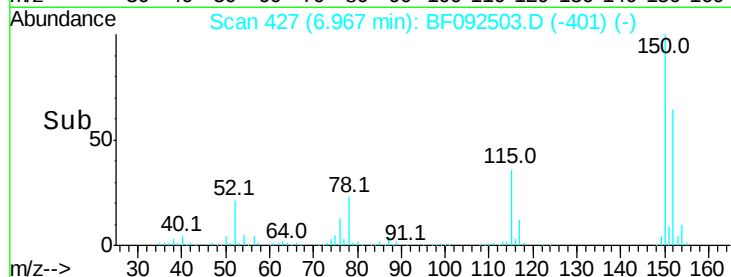
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

Instrument :
BNA_F
ClientSampleId :
P15-11817

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.9	187.3
115	56.4	46.0	69.0



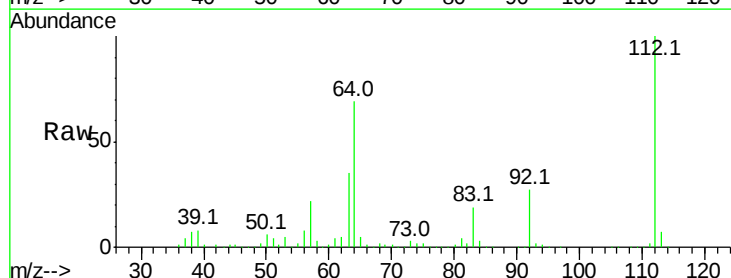
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



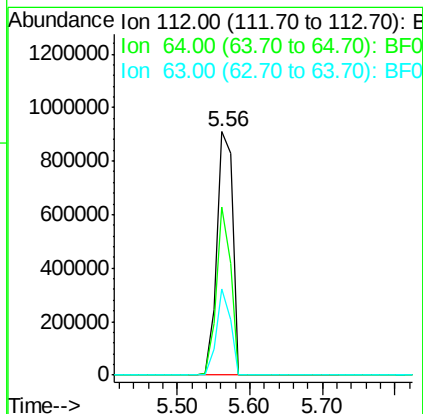
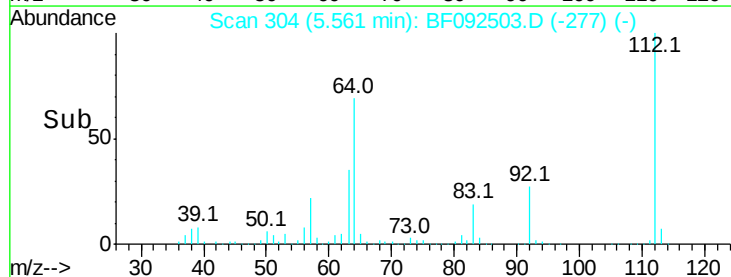
#5

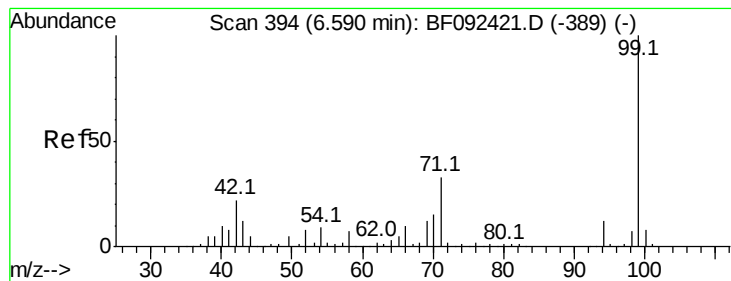
2-Fluorophenol
Concen: 134.75 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	46.1	69.1
63	35.3	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: 118.69 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

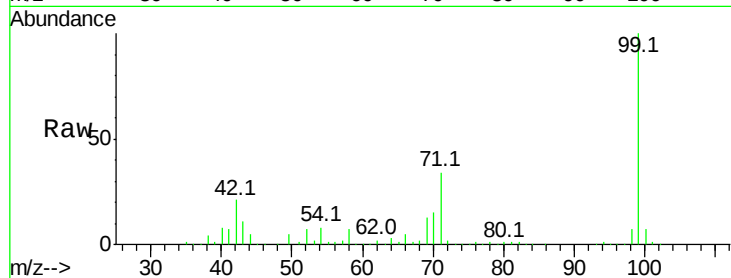
Tot Ion: 99 Resp: 1539072

Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.6	23.4
71	33.7	27.5	41.3

99 100

42 20.8 15.6 23.4

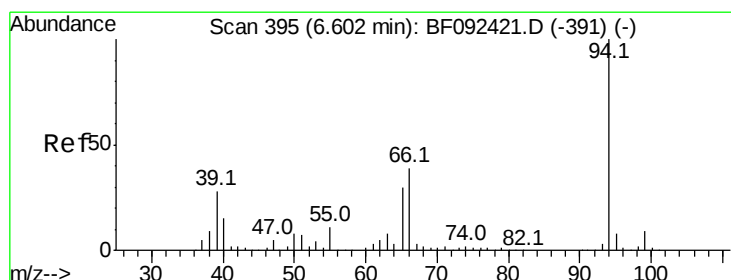
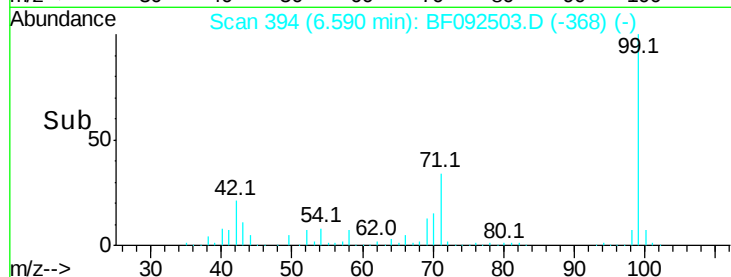
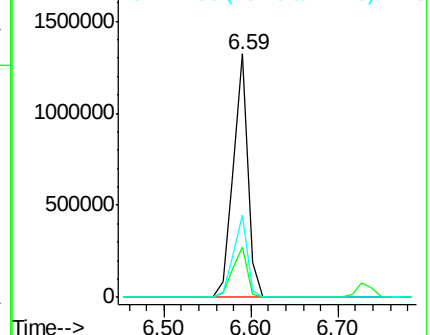
71 33.7 27.5 41.3



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: 8.37 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

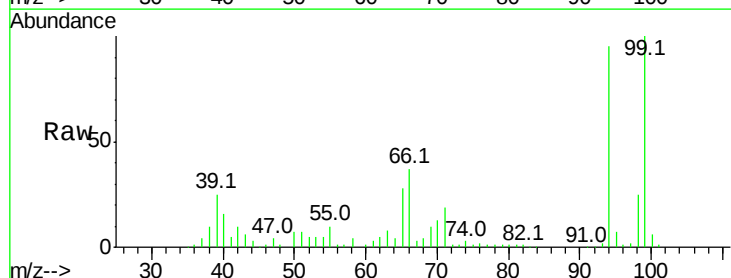
Tgt Ion: 94 Resp: 131034

Ion	Ratio	Lower	Upper
94	100		
65	29.1	21.4	61.4
66	39.3	44.0	84.0#

94 100

65 29.1 21.4 61.4

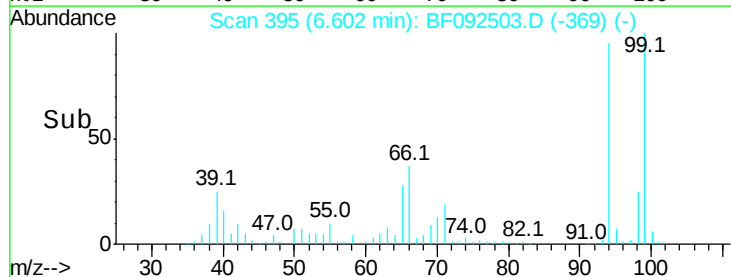
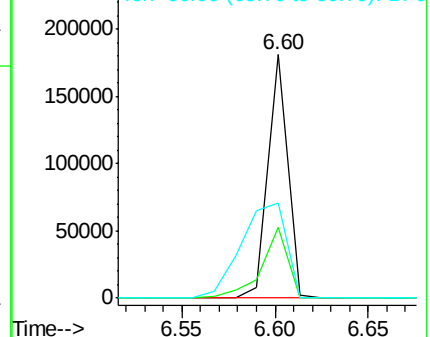
66 39.3 44.0 84.0#

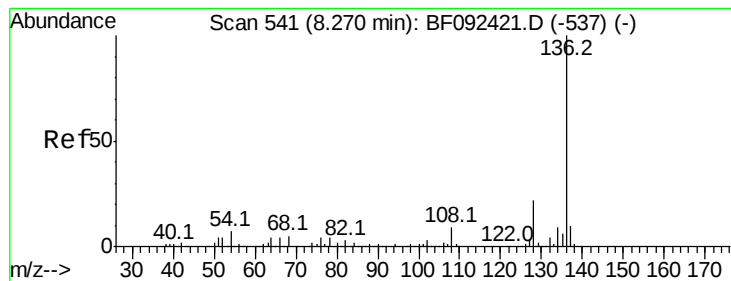


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

Tot Ion:136 Resp: 623068

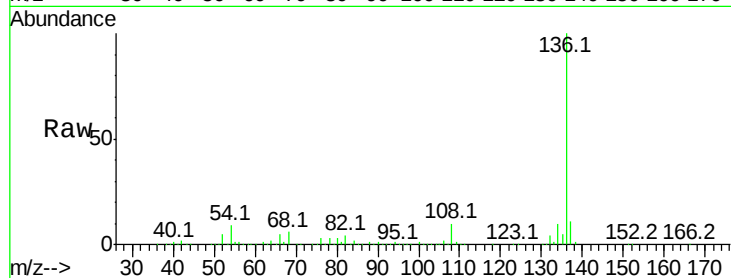
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 9.2 4.5 6.7#

68 6.3 3.6 5.4#

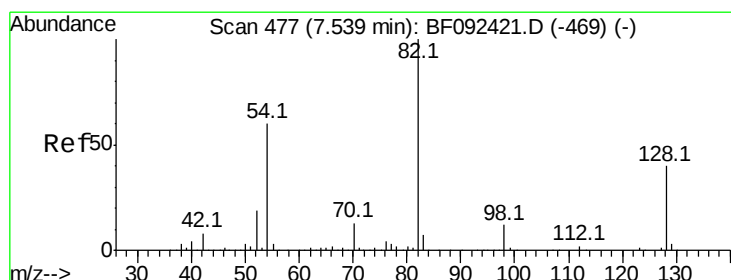
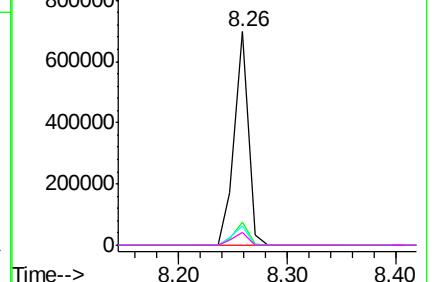
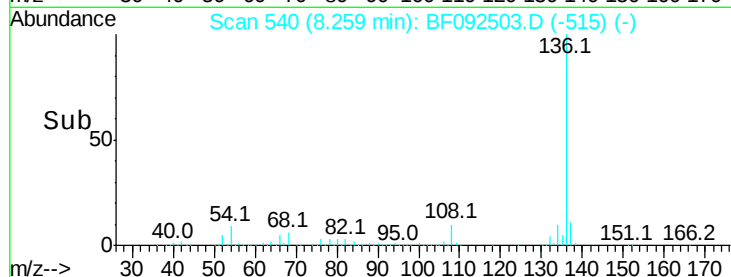


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 94.53 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

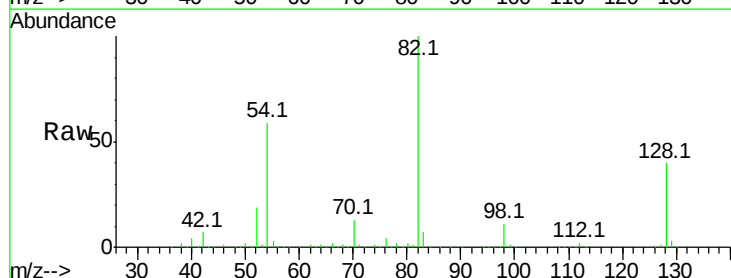
Tgt Ion: 82 Resp: 1078217

Ion Ratio Lower Upper

82 100

128 39.9 34.6 52.0

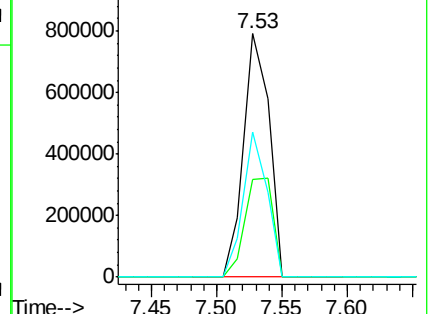
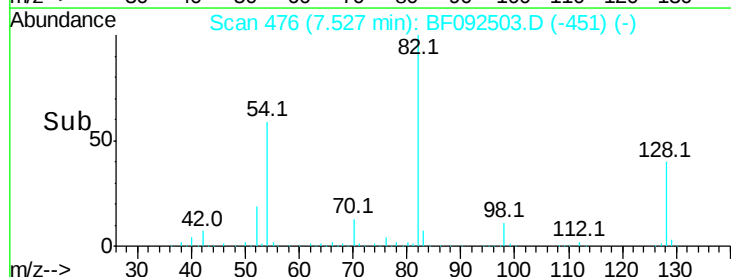
54 59.5 39.5 59.3#

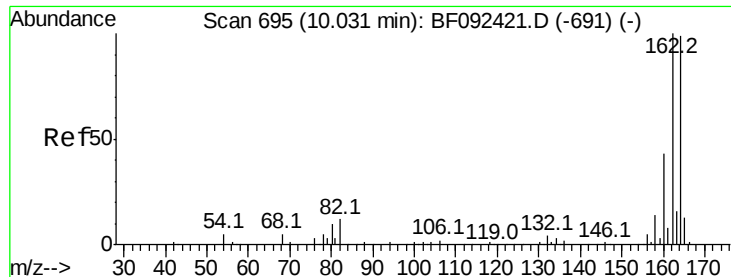


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

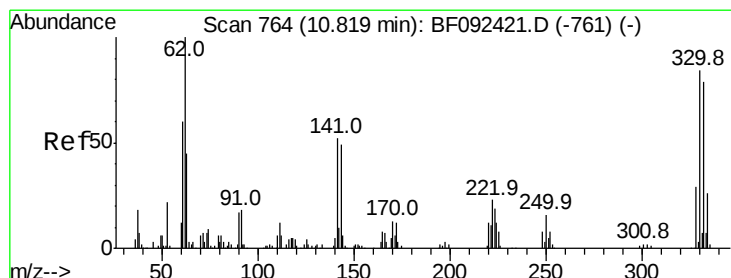
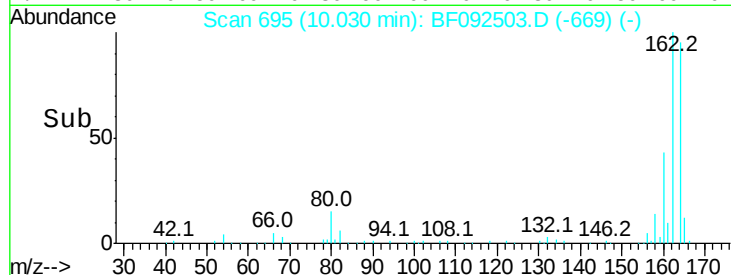
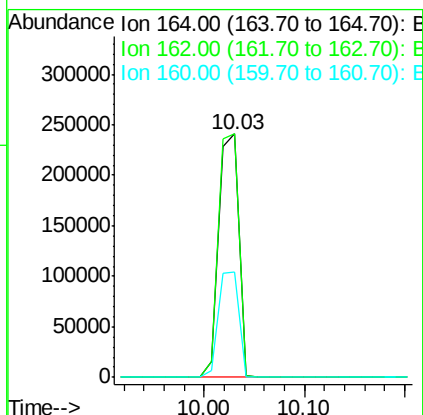
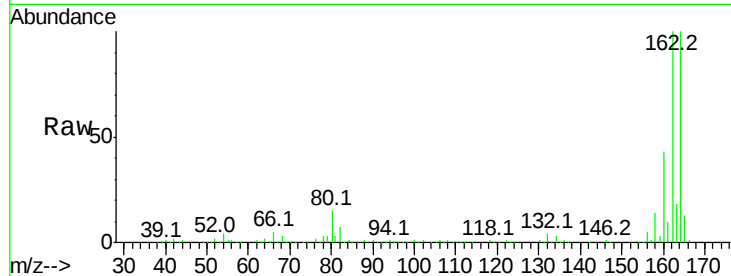




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

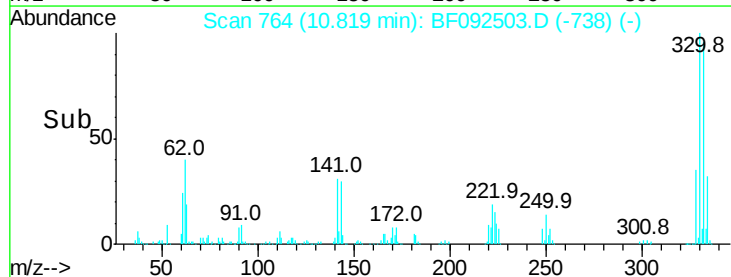
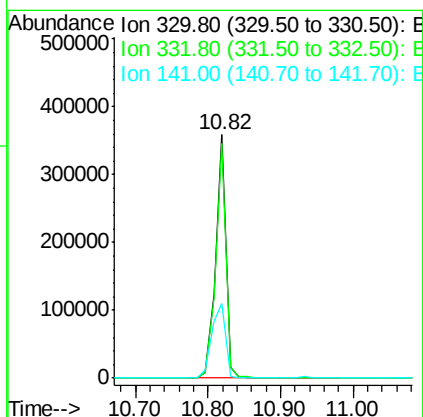
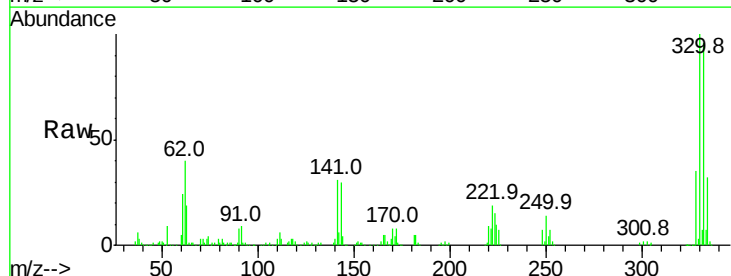
Instrument :
BNA_F
ClientSampleId :
P15-11817

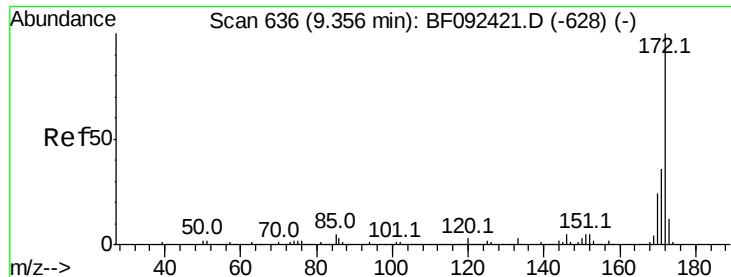
Tot Ion:164 Resp: 335932
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 43.1 36.9 55.3



#41
2,4,6-Tribromophenol
Concen: 155.11 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

Tgt Ion:330 Resp: 355081
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.2
141 40.7 34.1 51.1

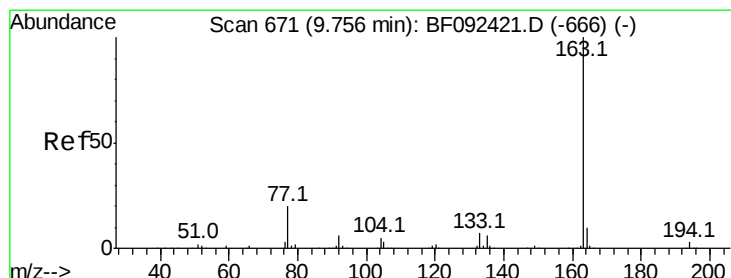
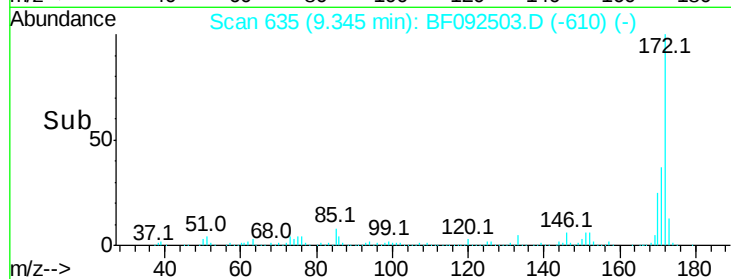
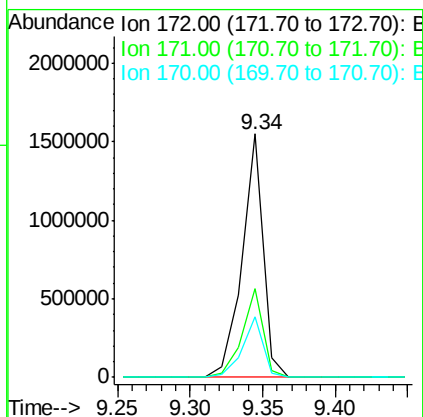
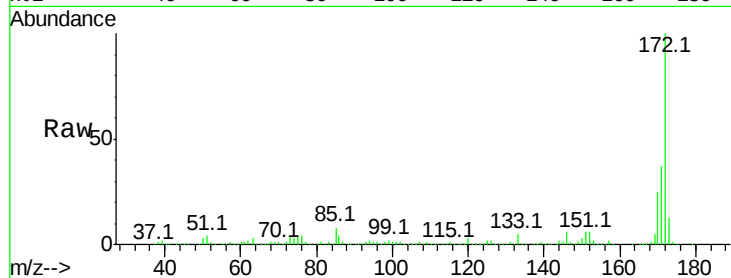




#44
2-Fluorobiphenyl
Concen: 85.98 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

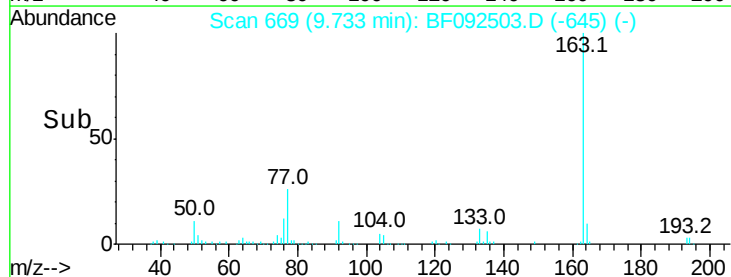
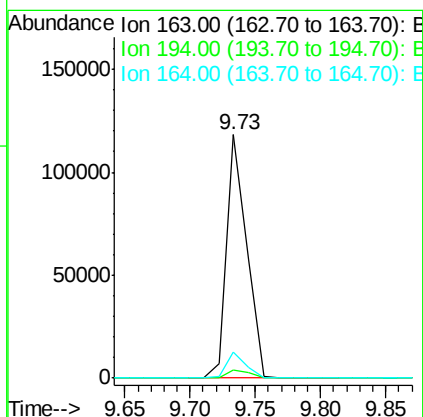
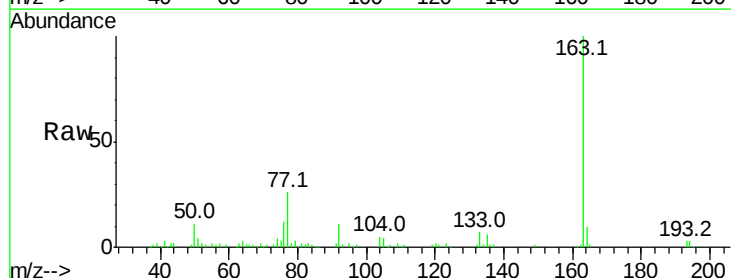
Instrument :
BNA_F
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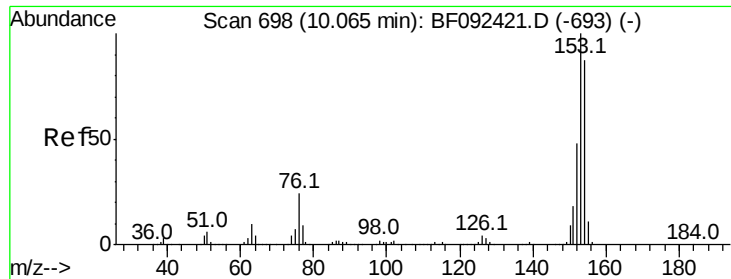
Tot Ion:172 Resp: 1561975
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.8 20.2 30.4



#49
Dimethylphthalate
Concen: 5.94 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

Tgt Ion:163 Resp: 126881
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 10.5 8.0 12.0





#51

Acenaphthene

Concen: 7.26 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

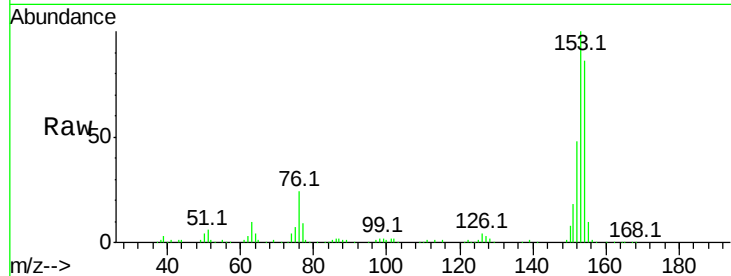
Tot Ion:154 Resp: 131299

Ion Ratio Lower Upper

154 100

153 115.9 88.6 133.0

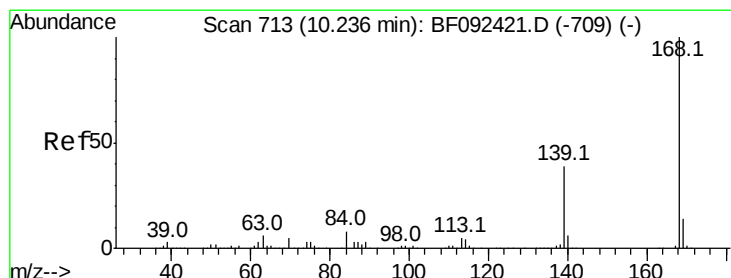
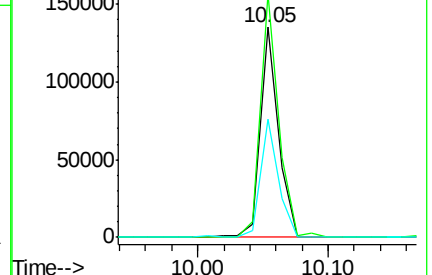
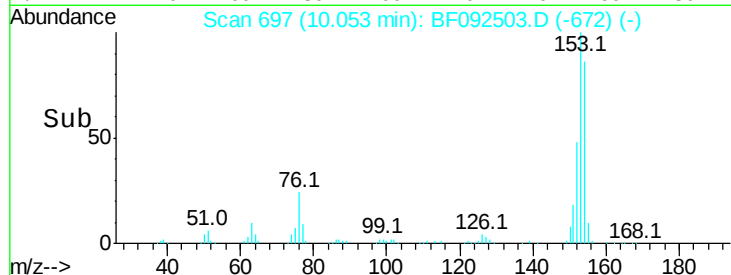
152 56.0 41.6 62.4



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: 4.28 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

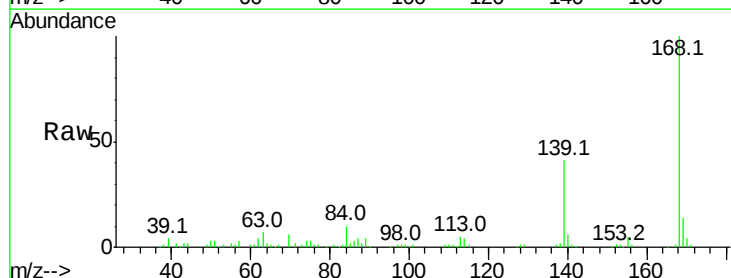
Tgt Ion:168 Resp: 105106

Ion Ratio Lower Upper

168 100

139 41.1 32.6 49.0

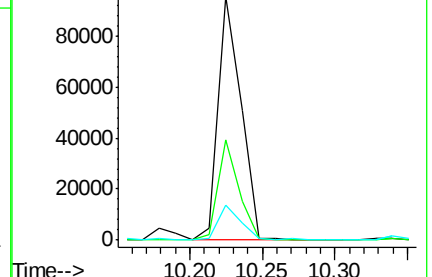
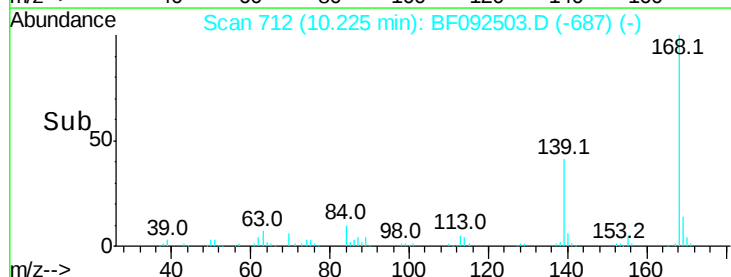
169 14.5 11.3 16.9

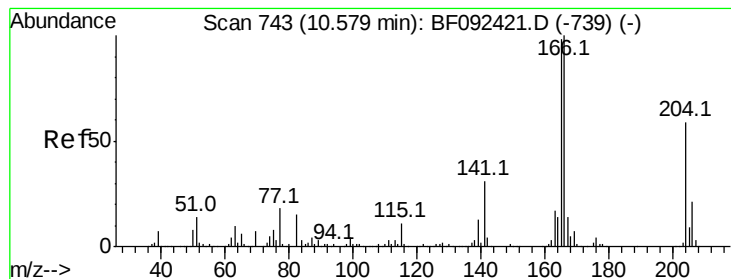


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.72 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

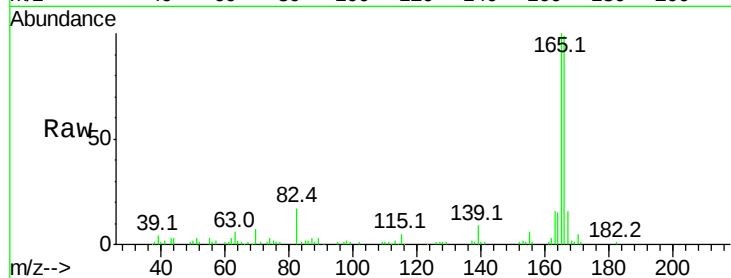
Tot Ion:166 Resp: 85975

Ion Ratio Lower Upper

166 100

165 100.6 77.8 116.8

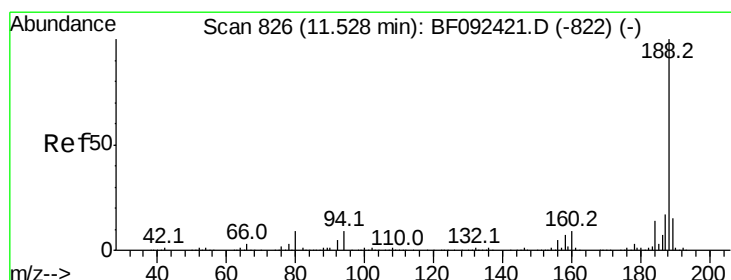
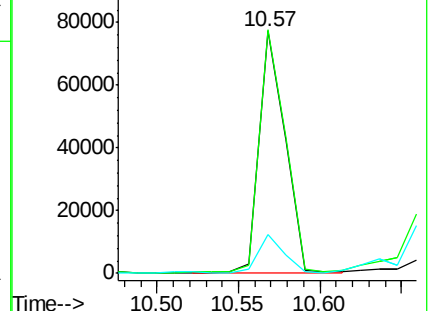
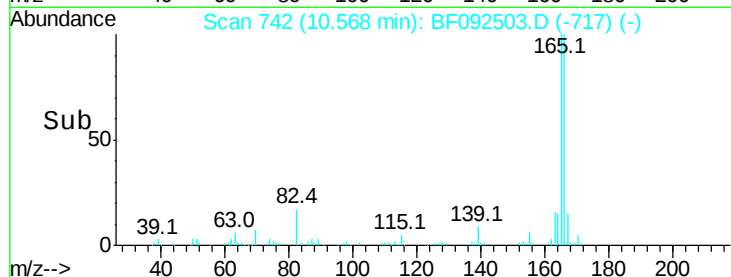
167 16.0 10.8 16.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

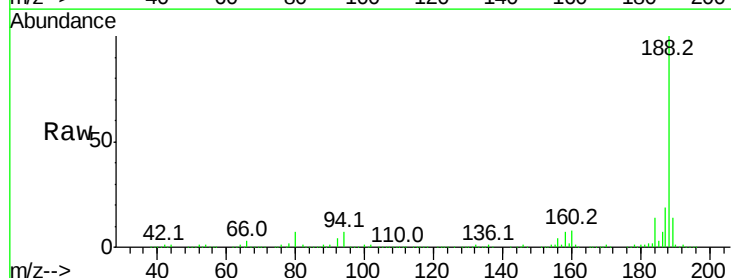
Tgt Ion:188 Resp: 560075

Ion Ratio Lower Upper

188 100

94 6.9 10.0 15.0#

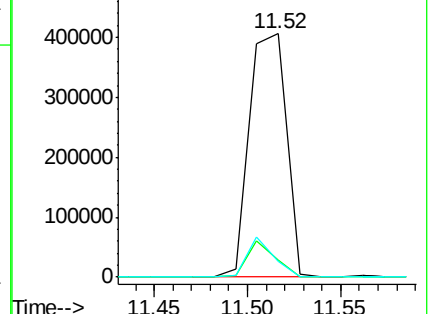
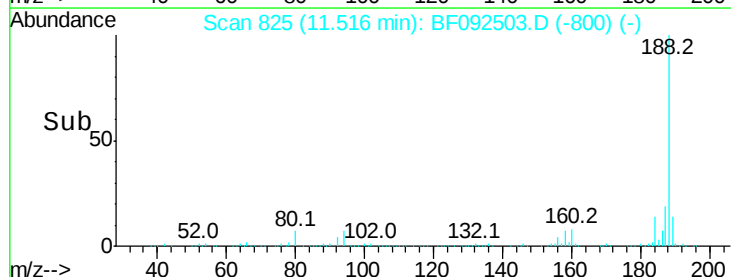
80 6.6 11.2 16.8#

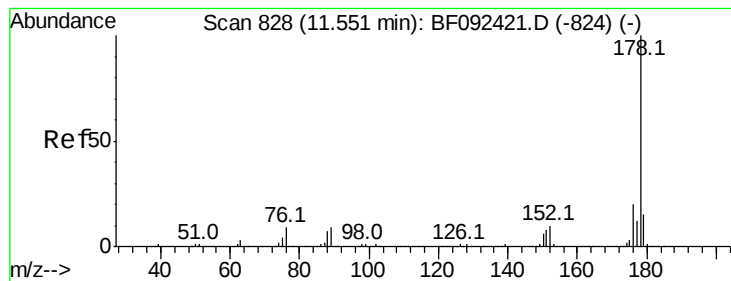


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.20 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

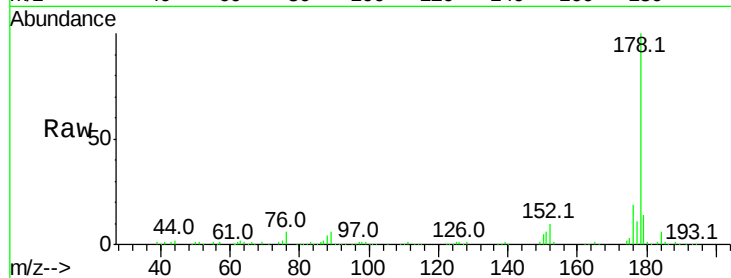
Tot Ion:178 Resp: 221936

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

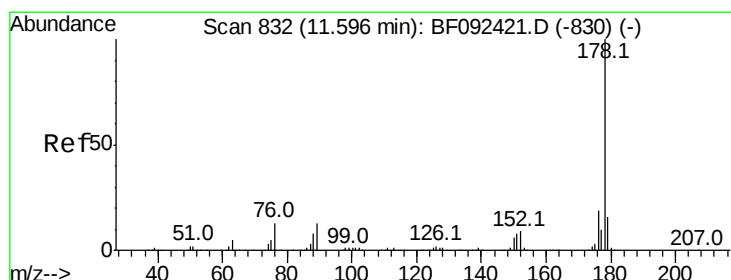
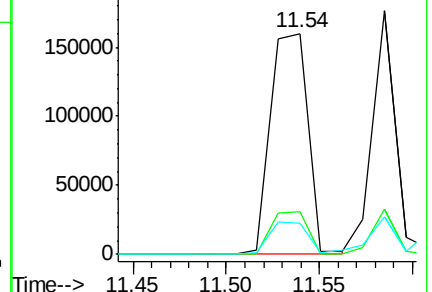
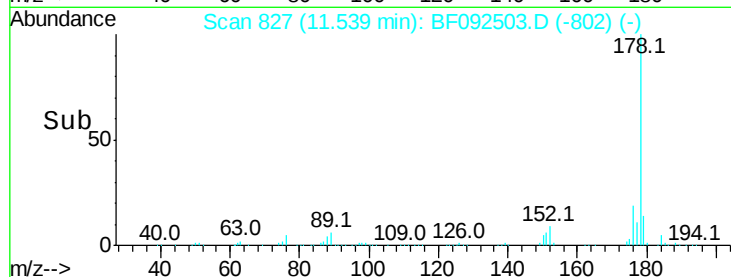
179 14.4 12.8 19.2



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: 5.25 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

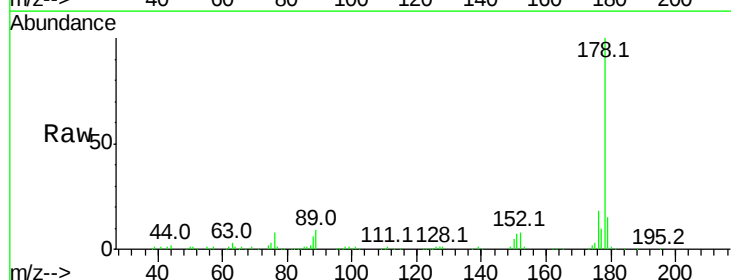
Tgt Ion:178 Resp: 158205

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

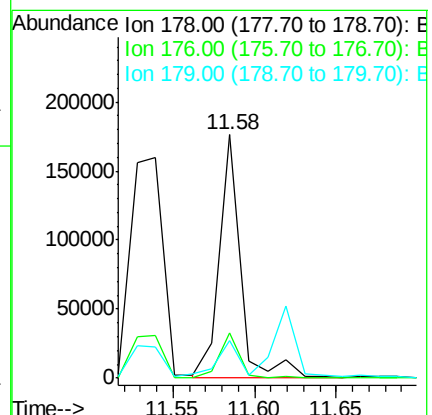
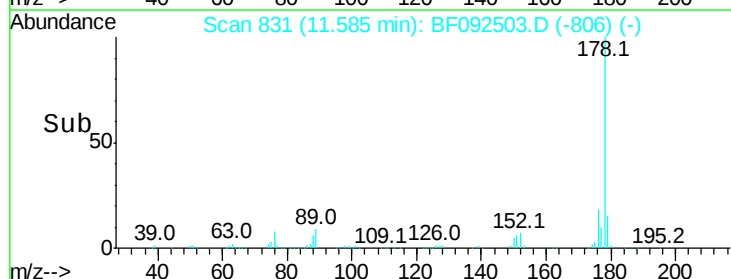
179 15.2 13.2 19.8

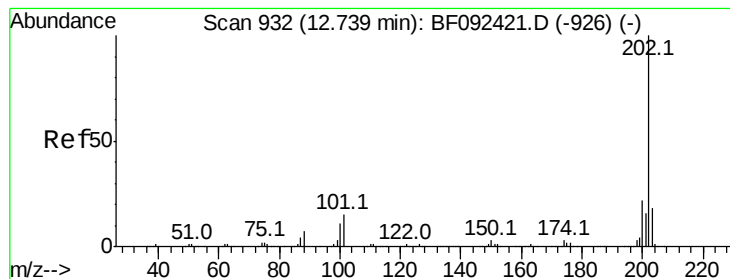


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.09 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

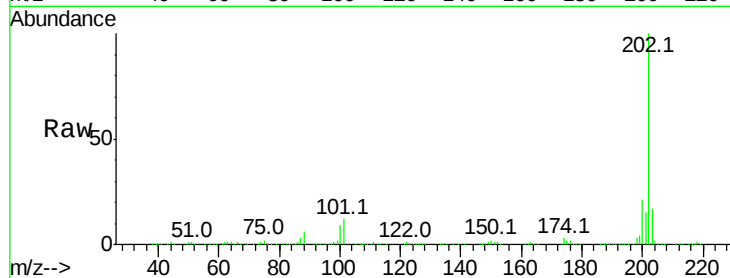
Tot Ion:202 Resp: 394884

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.6

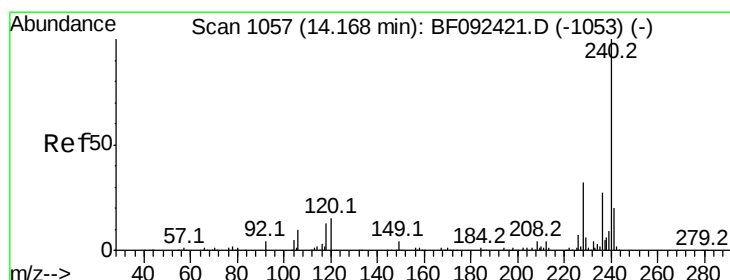
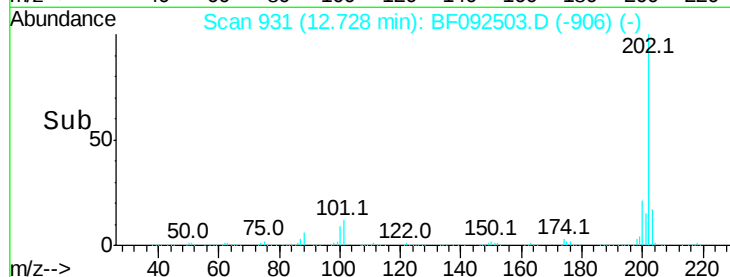
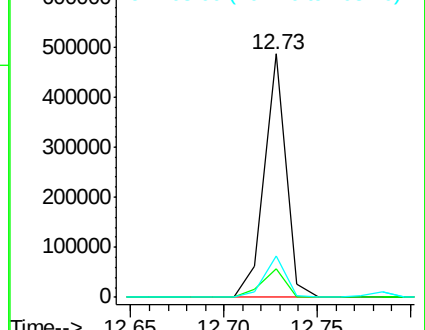
203 17.0 0.0 38.7



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

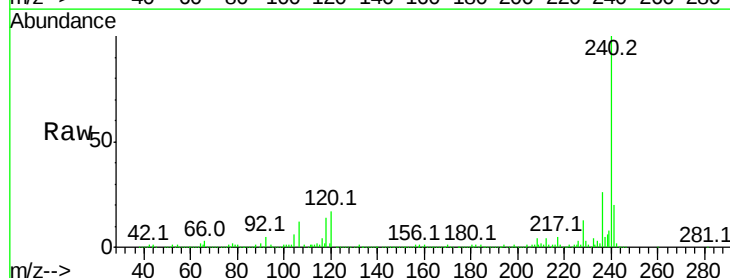
Tgt Ion:240 Resp: 486830

Ion Ratio Lower Upper

240 100

120 17.0 12.9 19.3

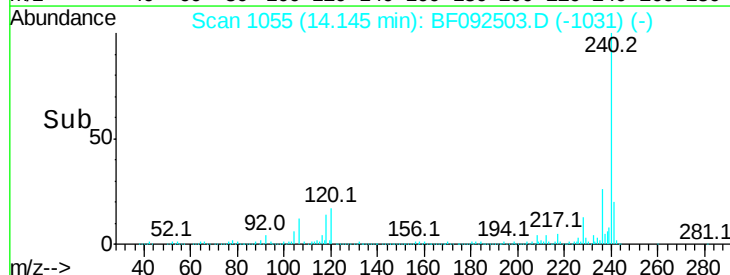
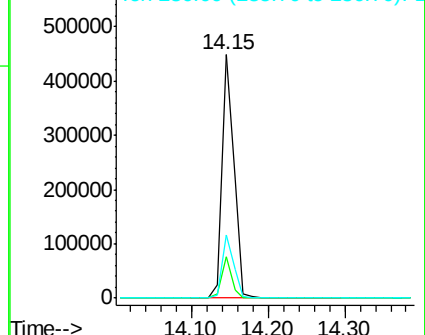
236 26.0 20.9 31.3

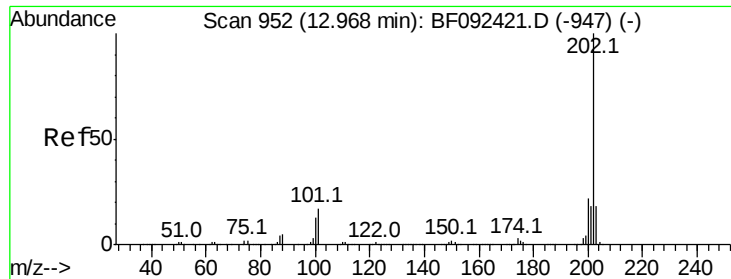


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

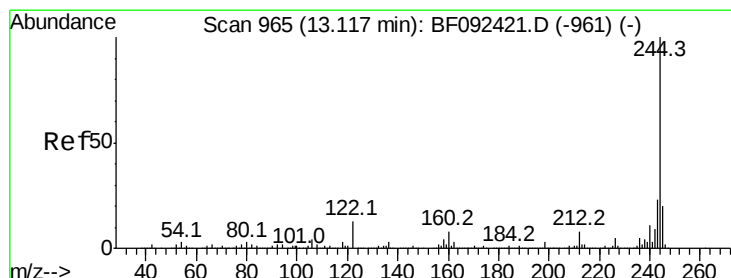
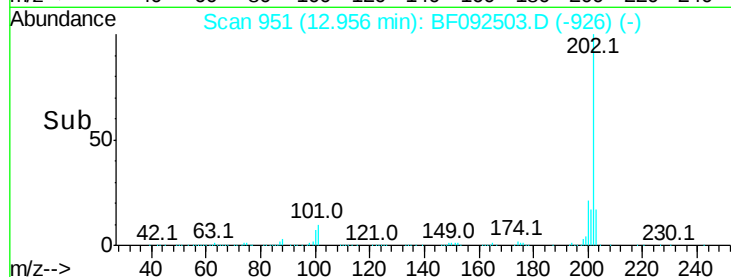
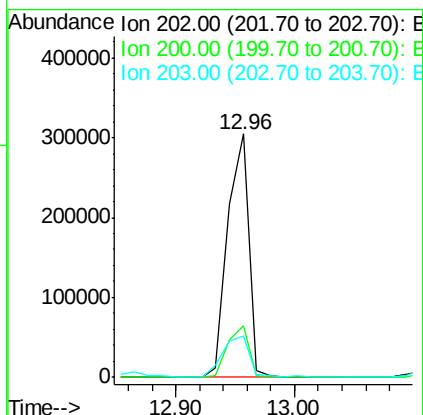
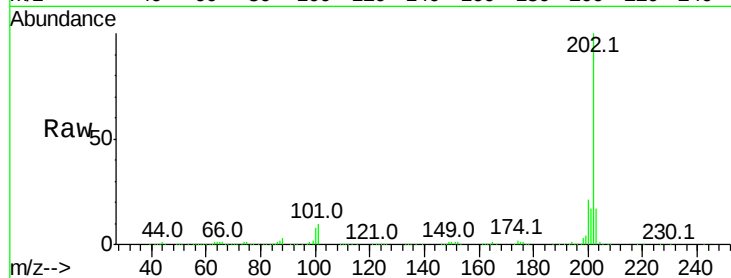




#77
Pvrene
Concen: 10.57 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

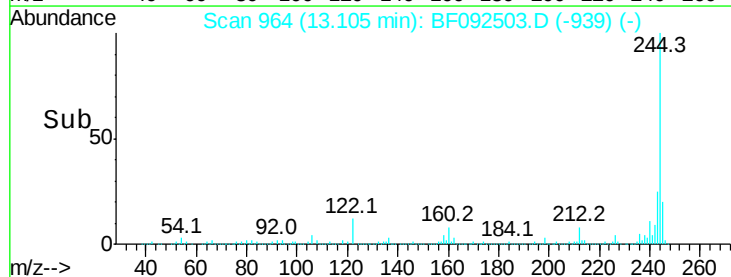
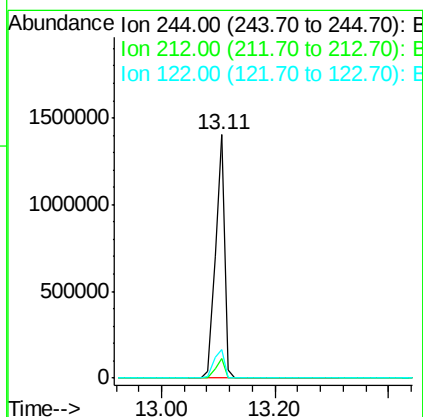
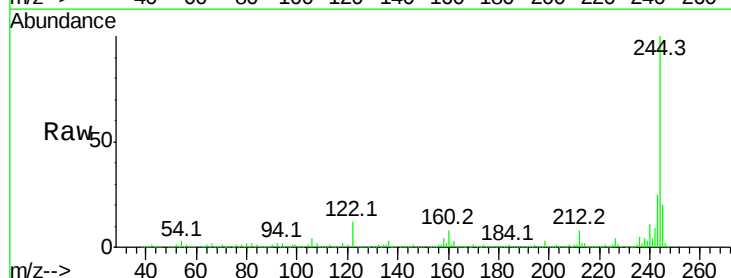
Instrument :
BNA_F
ClientSampleId :
P15-11817

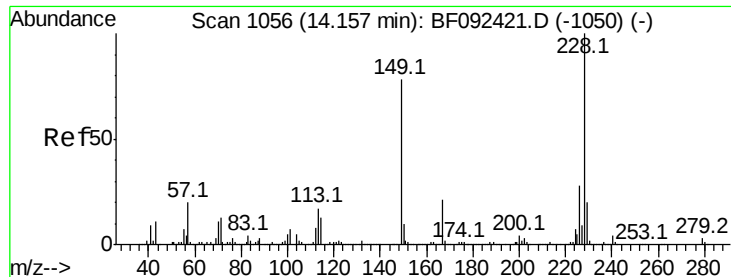
Tot Ion:202 Resp: 372769
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.0 14.7 22.1



#78
Terphenyl-d14
Concen: 83.07 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092503.D
Acq: 26 Jan 2017 3:27

Tgt Ion:244 Resp: 1518724
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 11.7 11.4 17.2

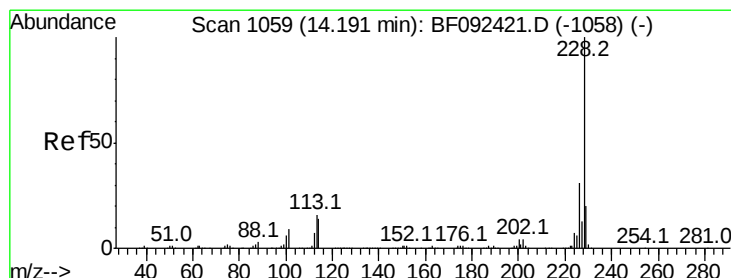
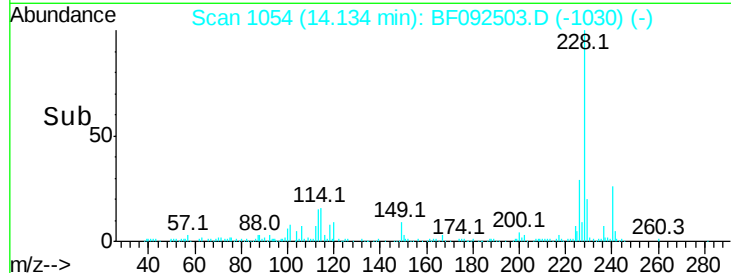
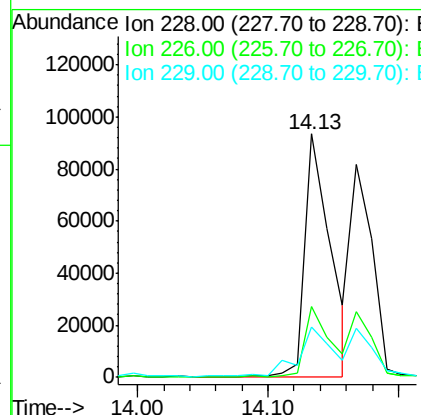
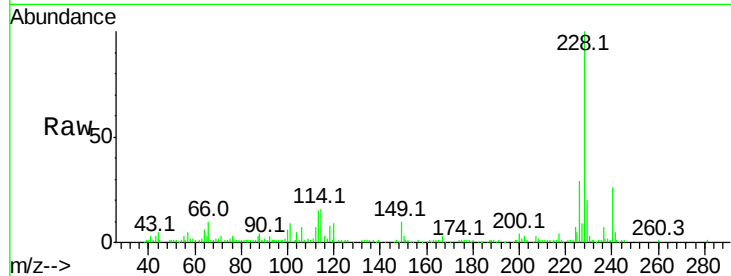




#80
 Benzo(a)anthracene
 Concen: 4.90 ng
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF092503.D
 Acq: 26 Jan 2017 3:27

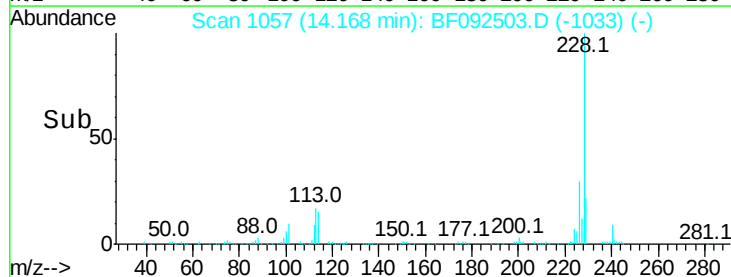
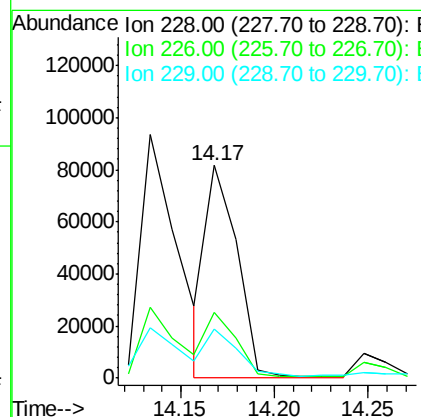
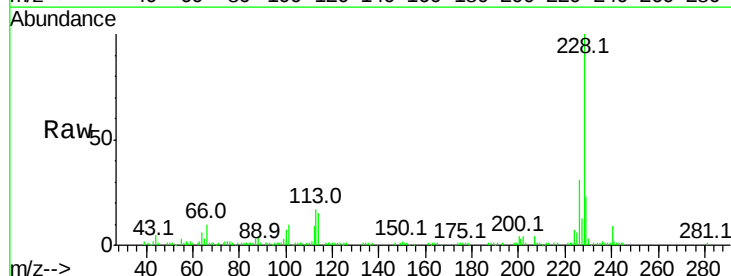
Instrument :
 BNA_F
 ClientSampleId :
 P15-11817

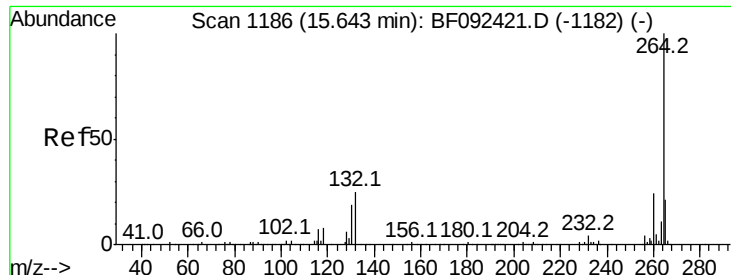
Tot Ion:228	Resp:	128205
Ion	Ratio	Lower Upper
228	100	
226	29.0	22.4 33.6
229	20.5	16.2 24.4



#82
 Chrysene
 Concen: 3.47 ng m
 RT: 14.17 min Scan# 1057
 Delta R.T. -0.02 min
 Lab File: BF092503.D
 Acq: 26 Jan 2017 3:27

Tgt Ion:228	Resp:	96826
Ion	Ratio	Lower Upper
228	100	
226	30.9	25.4 38.0
229	22.9	16.2 24.2





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

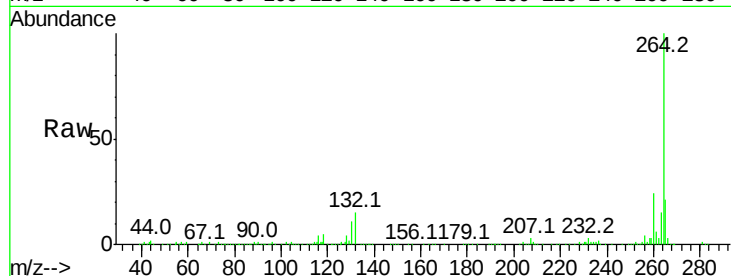
Tot Ion:264 Resp: 378853

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

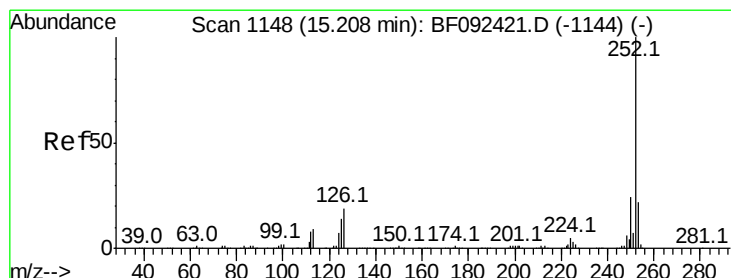
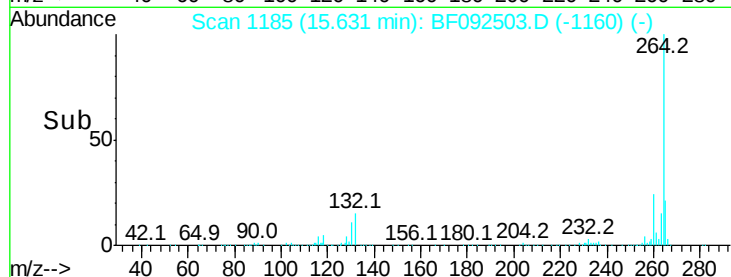
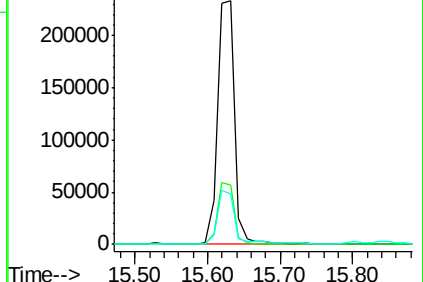
265 20.9 17.4 26.0



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: 4.89 ng m

RT: 15.19 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

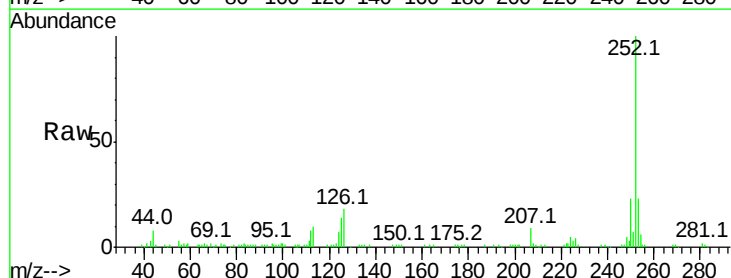
Tgt Ion:252 Resp: 118918

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.4

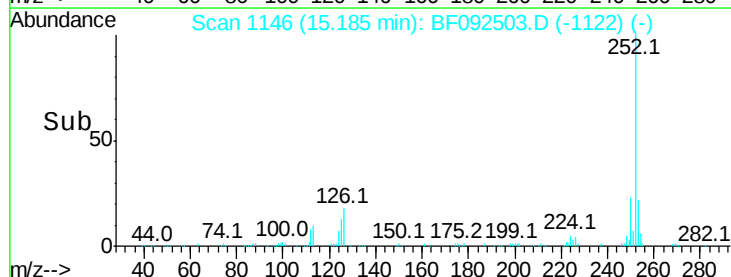
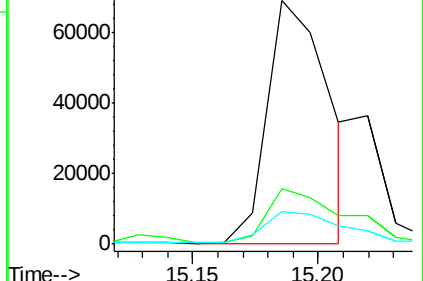
125 13.5 9.8 14.6

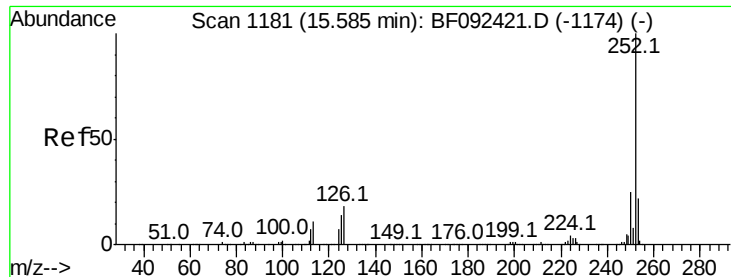


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.98 ng

RT: 15.56 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

Instrument :

BNA_F

ClientSampleId :

P15-11817

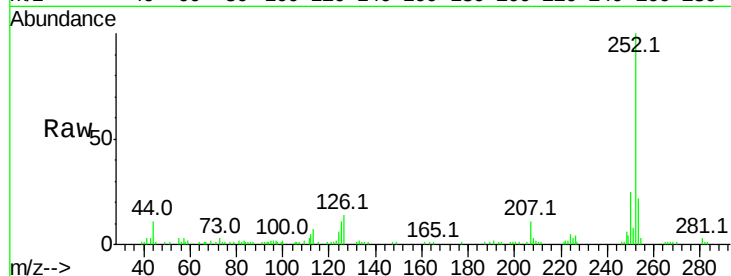
Tot Ion:252 Resp: 81832

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

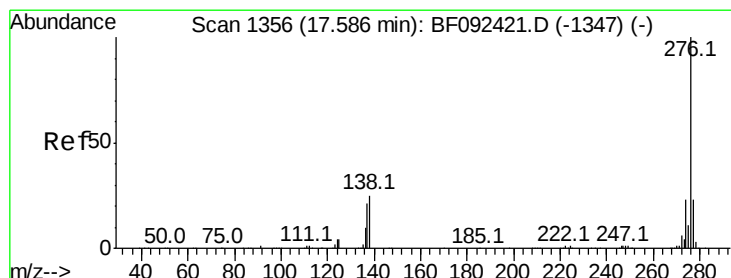
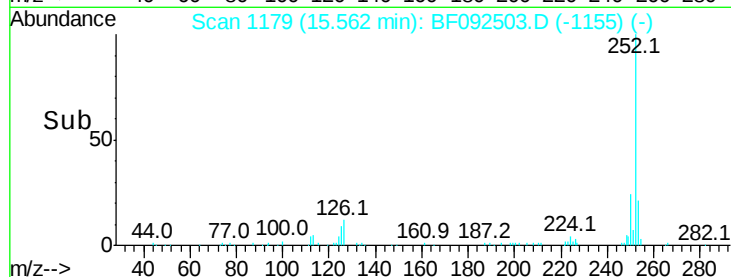
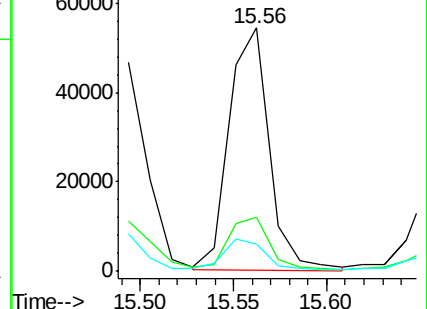
125 11.0 10.0 15.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.57 ng

RT: 17.54 min Scan# 1352

Delta R.T. -0.05 min

Lab File: BF092503.D

Acq: 26 Jan 2017 3:27

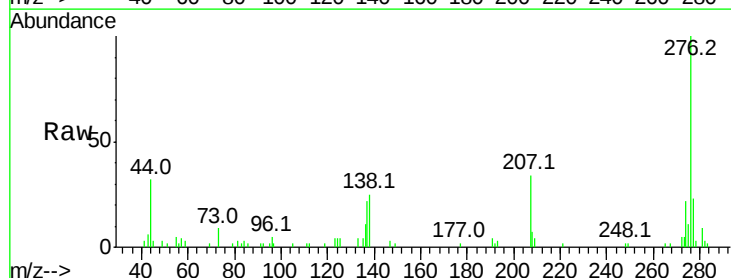
Tgt Ion:276 Resp: 43200

Ion Ratio Lower Upper

276 100

277 23.1 19.2 28.8

138 25.2 16.0 24.0#



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

