

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
 Data File : BF092594.D
 Acq On : 27 Jan 2017 23:43
 Operator : SJ/MA
 Sample : I1448-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-BL-01-0-2

Quant Time: Jan 28 04:38:33 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	179963	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	695636	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	331415	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	446552	20.00	ng	0.00
75) Chrysene-d12	14.17	240	359775	20.00	ng	0.00
86) Perylene-d12	15.67	264	268785	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1468162	126.93	ng	0.05
7) Phenol-d6	6.62	99	1812475	123.02	ng	0.03
23) Nitrobenzene-d5	7.55	82	1324547	104.01	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	305946	135.47	ng	0.01
44) 2-Fluorobiphenyl	9.36	172	2022664	112.86	ng	0.00
78) Terphenyl-d14	13.12	244	1308674	96.86	ng	0.00

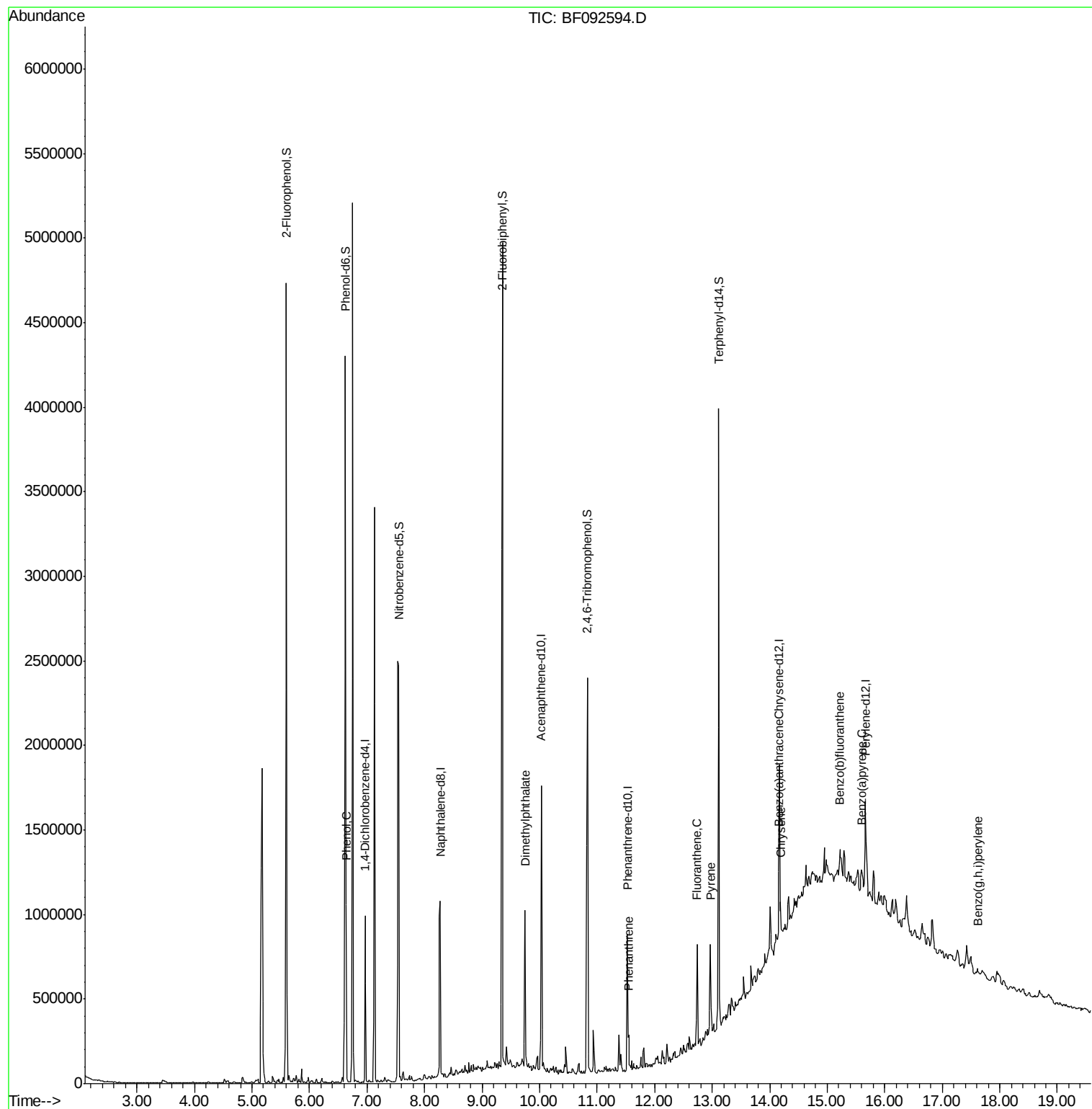
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.64	94	135314	7.61	ng	# 74
49) Dimethylphthalate	9.74	163	351825	16.69	ng	100
70) Phenanthrene	11.55	178	112059	4.56	ng	96
74) Fluoranthene	12.74	202	246143	10.23	ng	95
77) Pyrene	12.97	202	207581	7.96	ng	98
80) Benzo(a)anthracene	14.16	228	71001	3.67	ng	# 93
82) Chrysene	14.19	228	89516	4.34	ng	# 96
87) Benzo(b)fluoranthene	15.22	252	87396m	5.06	ng	
89) Benzo(a)pyrene	15.60	252	45664	3.13	ng	# 67
91) Benzo(g,h,i)perylene	17.62	276	28702	2.40	ng	# 66

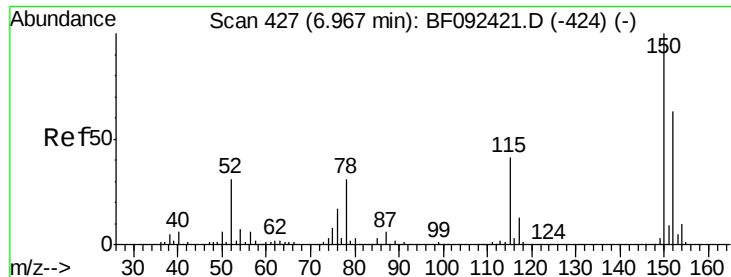
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

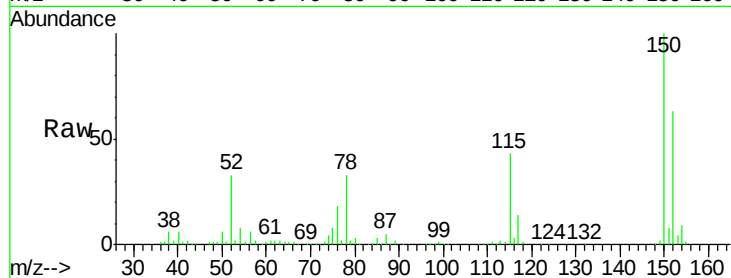
Tgt Ion:152 Resp: 179963

Ion Ratio Lower Upper

152 100

150 159.1 124.9 187.3

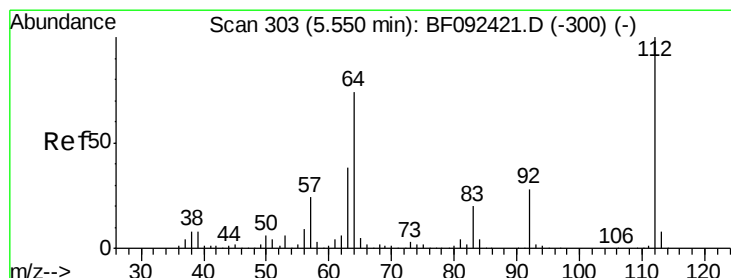
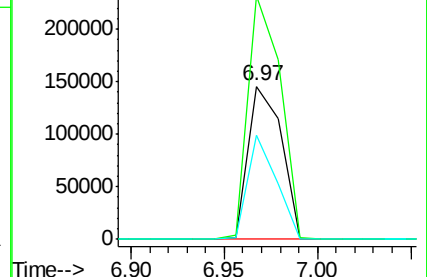
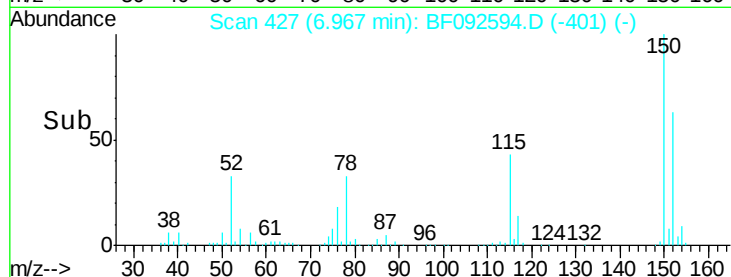
115 68.4 46.0 69.0



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: 126.93 ng

RT: 5.60 min Scan# 307

Delta R.T. 0.05 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

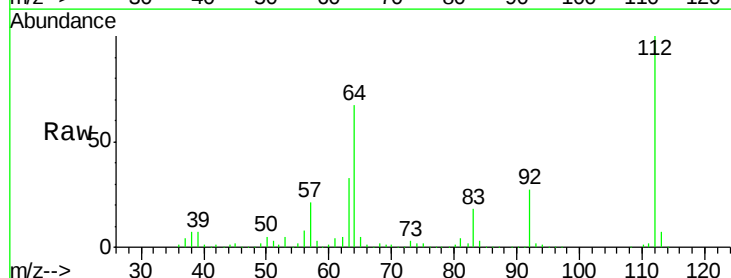
Tgt Ion:112 Resp: 1468162

Ion Ratio Lower Upper

112 100

64 66.7 46.1 69.1

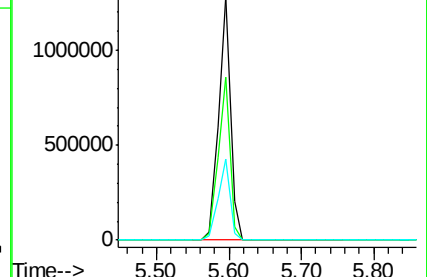
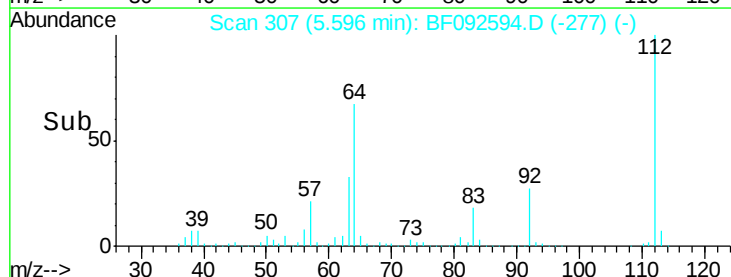
63 33.4 23.8 35.6

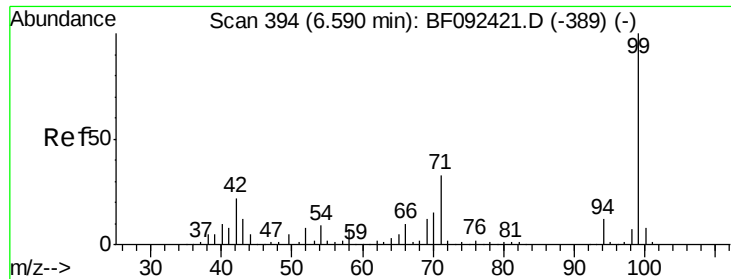


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.02 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.03 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

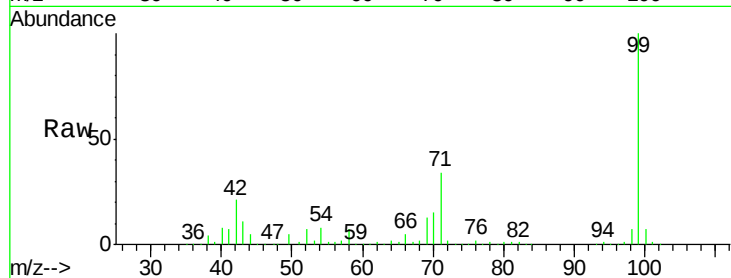
Tgt Ion: 99 Resp: 1812475

Ion Ratio Lower Upper

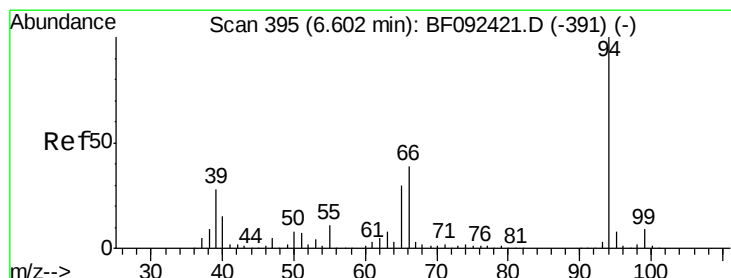
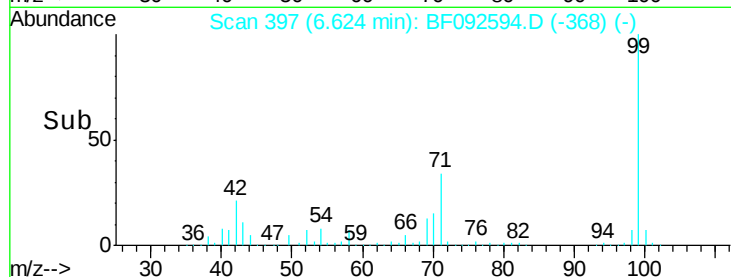
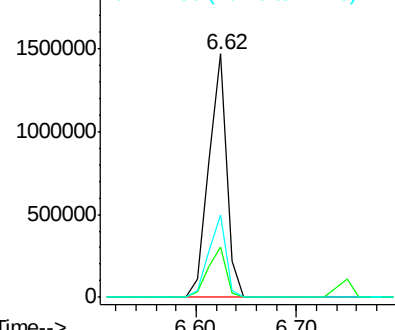
99 100

42 20.9 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: 7.61 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.03 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

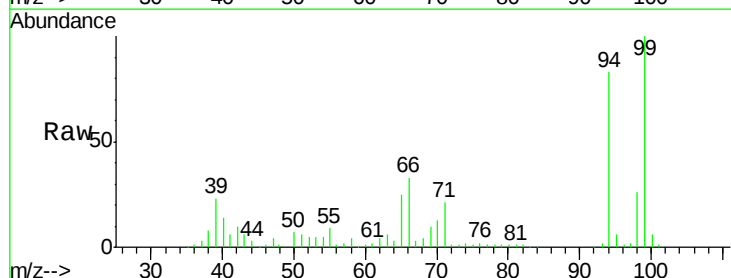
Tgt Ion: 94 Resp: 135314

Ion Ratio Lower Upper

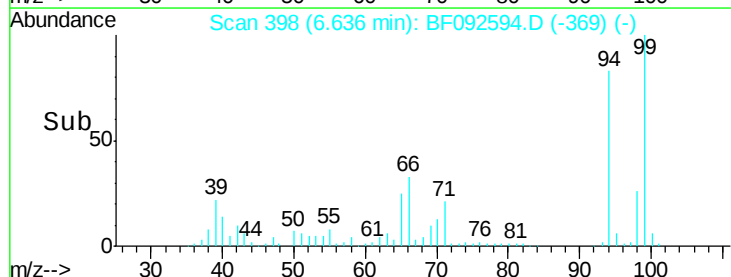
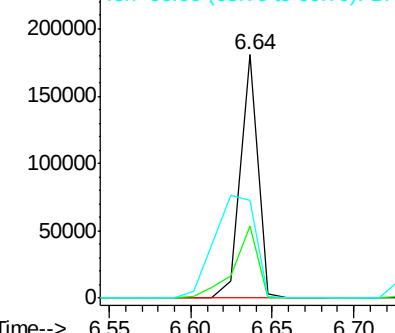
94 100

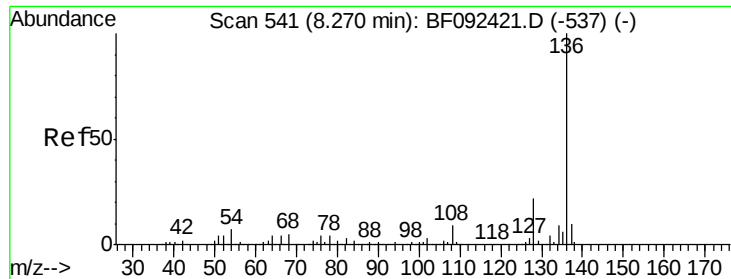
65 29.6 21.4 61.4

66 40.2 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

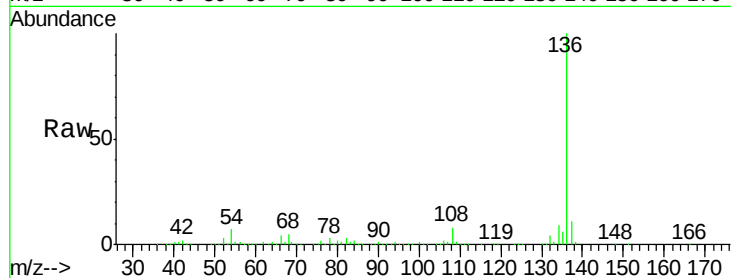




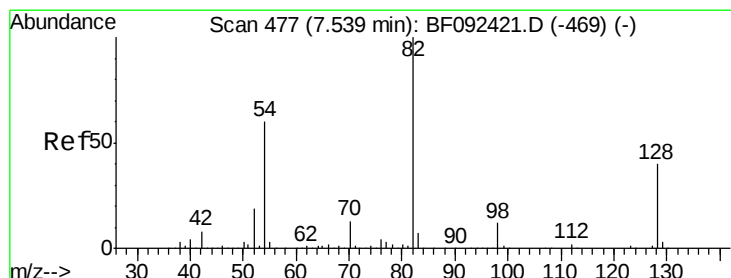
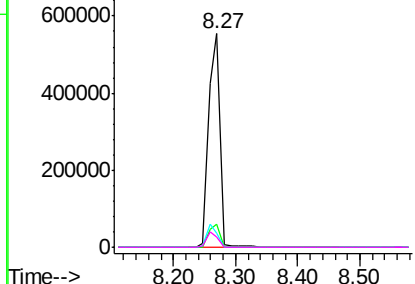
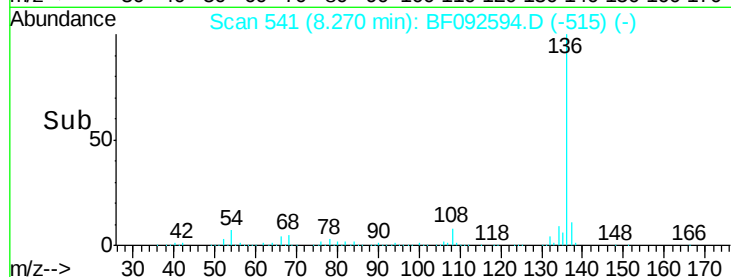
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

Tgt Ion:	136	Resp:	695636
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.7	4.5	6.7
68	5.1	3.6	5.4

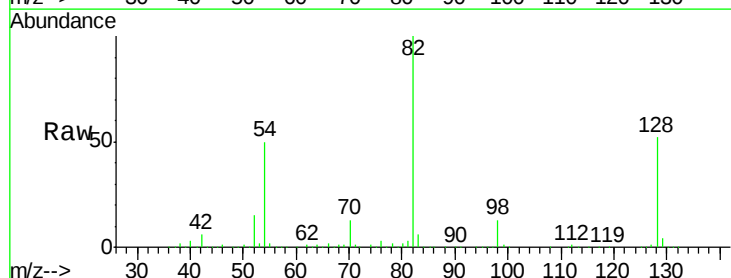


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

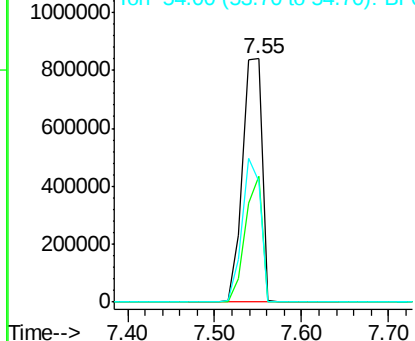
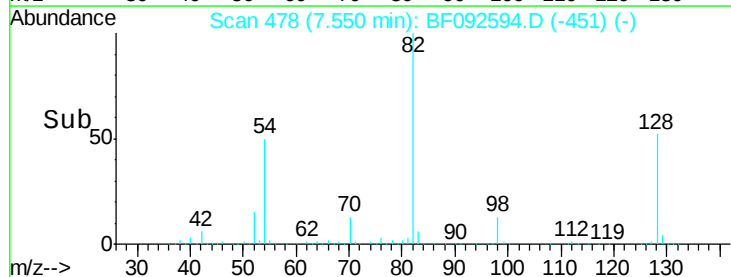


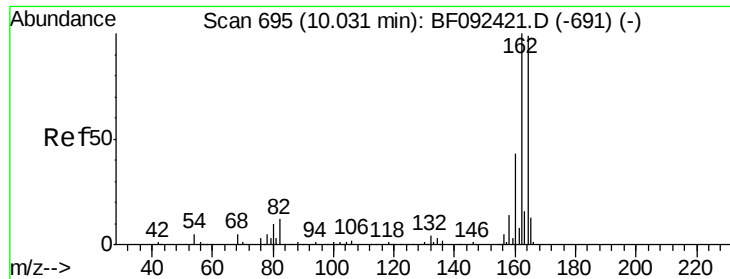
#23
Nitrobenzene-d5
Concen: 104.01 ng
RT: 7.55 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:	82	Resp:	1324547
Ion	Ratio	Lower	Upper
82	100		
128	51.6	34.6	52.0
54	49.8	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

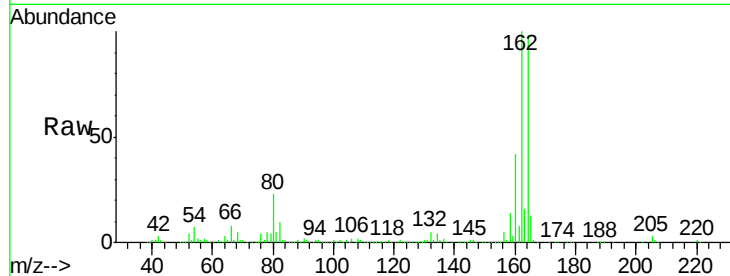




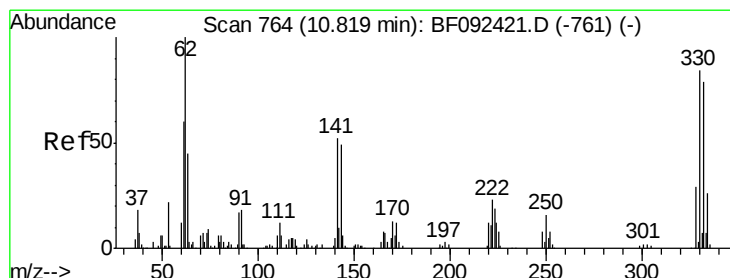
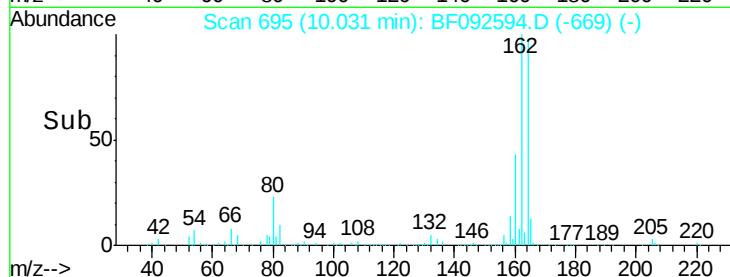
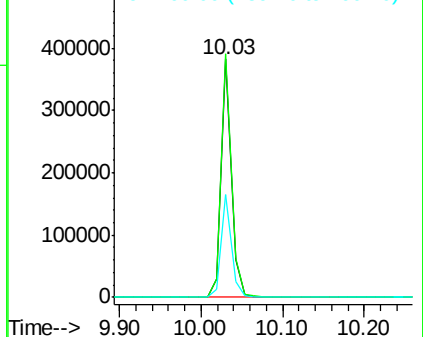
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

Tgt Ion:164 Resp: 331415
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 43.4 36.9 55.3

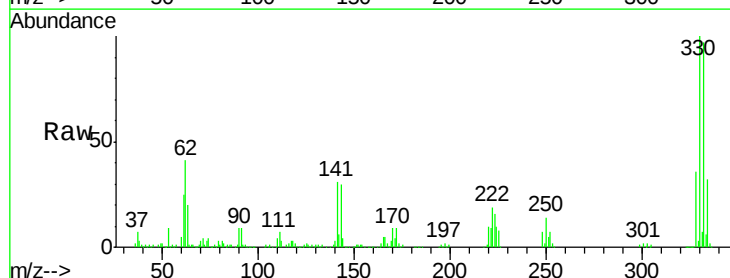


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

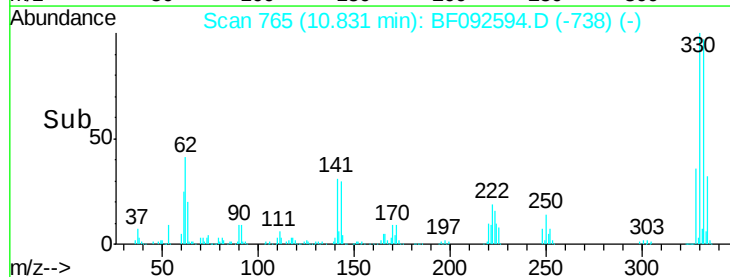
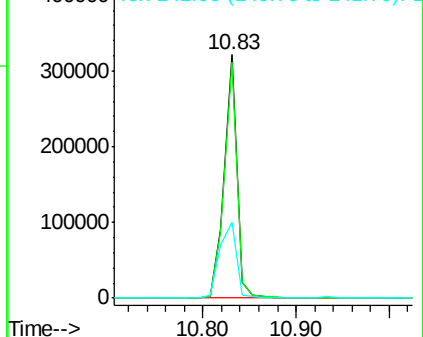


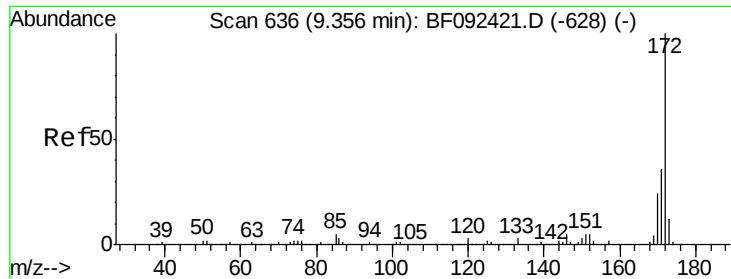
#41
2,4,6-Tribromophenol
Concen: 135.47 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:330 Resp: 305946
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.2
141 40.6 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

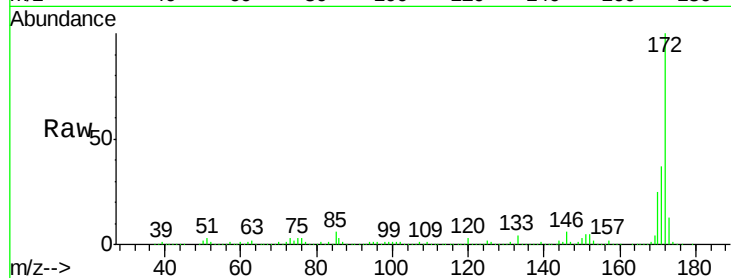




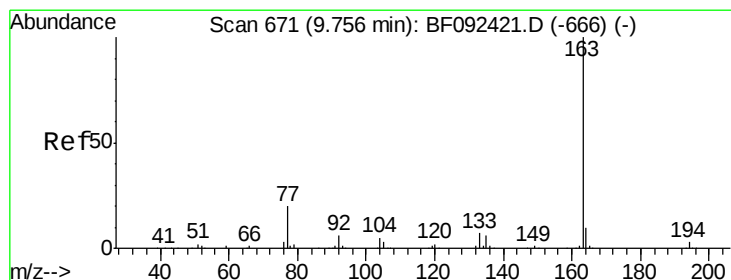
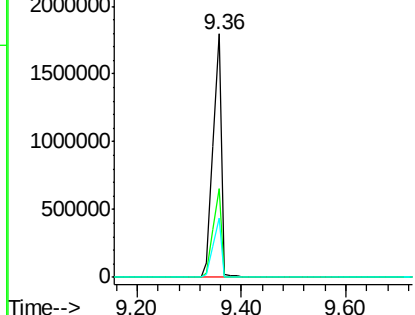
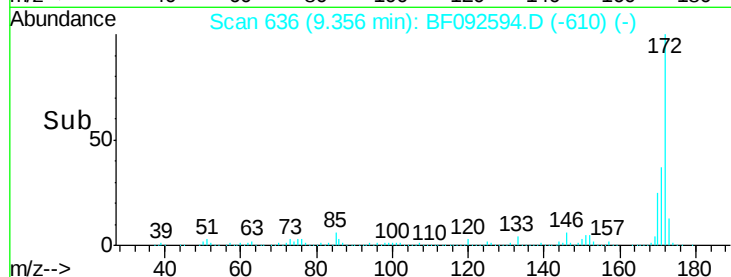
#44
 2-Fluorobiphenyl
 Concen: 112.86 ng
 RT: 9.36 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

Instrument :
 BNA_F
 ClientSampleId :
 CHA-BL-01-0-2

Tgt Ion:172 Resp: 2022664
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.6 20.2 30.4

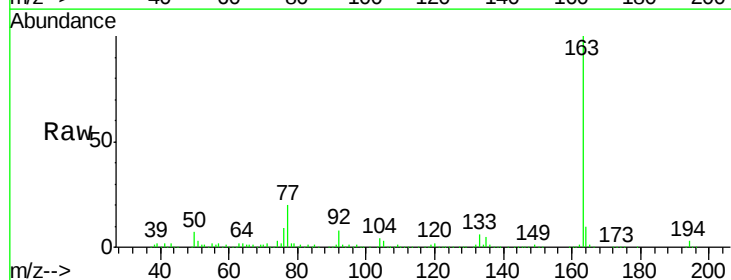


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

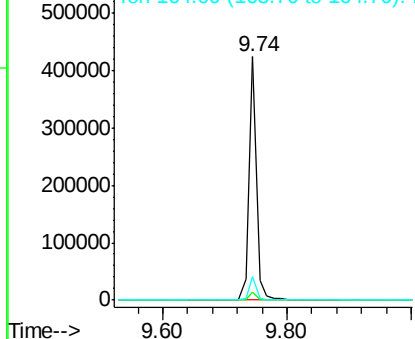
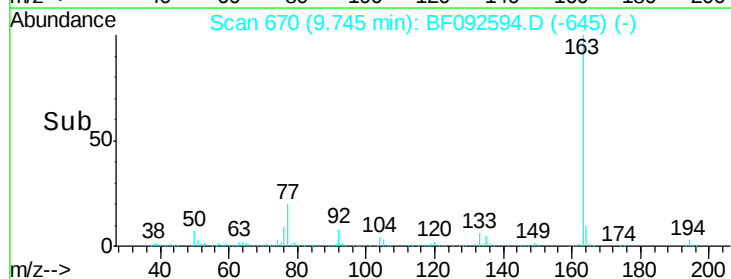


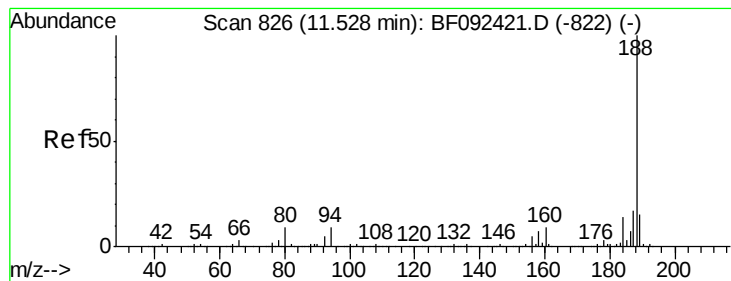
#49
 Dimethylphthalate
 Concen: 16.69 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF092594.D
 Acq: 27 Jan 2017 23:43

Tgt Ion:163 Resp: 351825
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 9.9 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

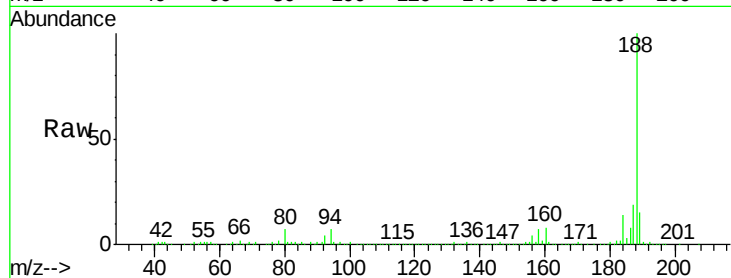
Tgt Ion:188 Resp: 446552

Ion Ratio Lower Upper

188 100

94 6.8 10.0 15.0#

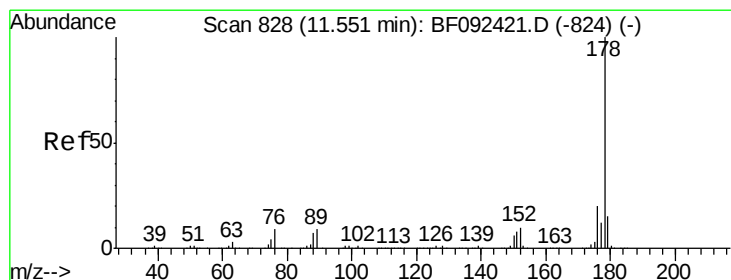
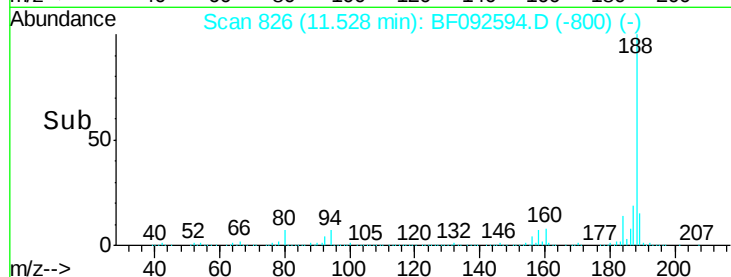
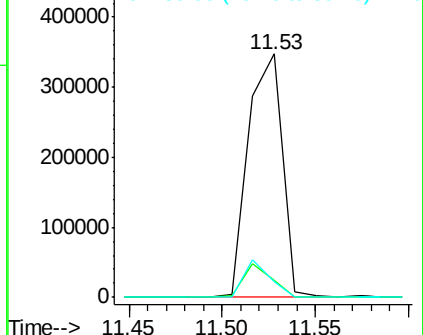
80 6.7 11.2 16.8#



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: 4.56 ng

RT: 11.55 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

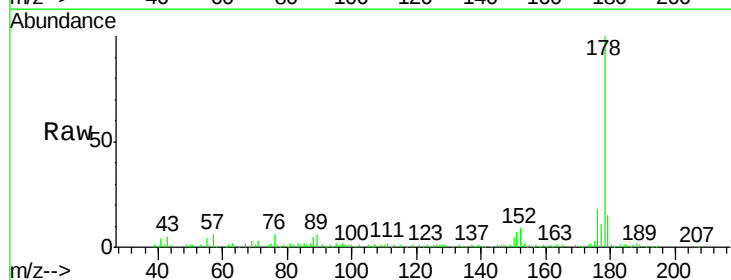
Tgt Ion:178 Resp: 112059

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

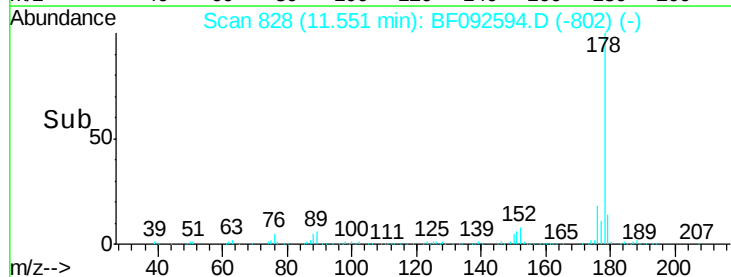
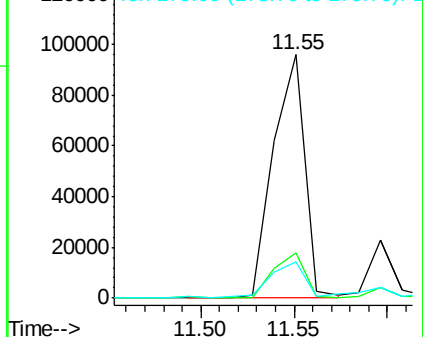
179 14.7 12.8 19.2

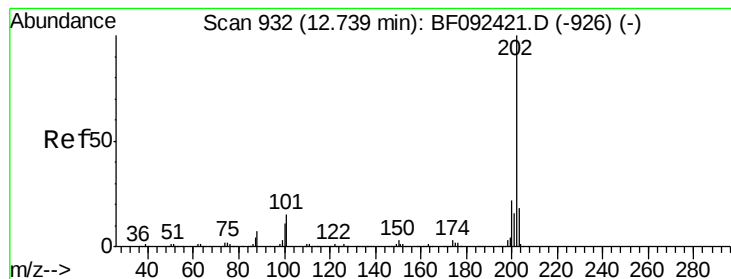


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.23 ng

RT: 12.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

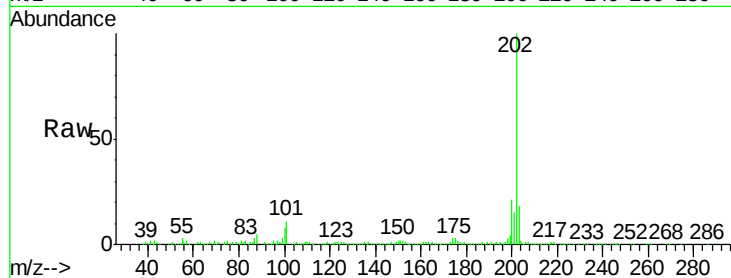
Tgt Ion:202 Resp: 246143

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.6

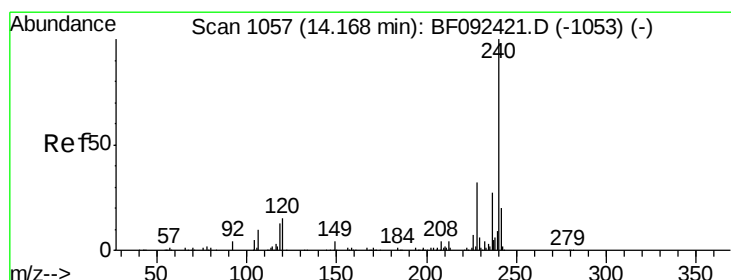
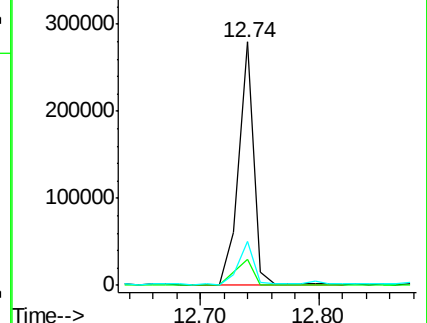
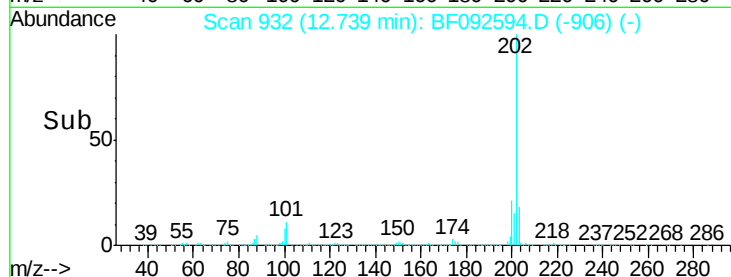
203 17.9 0.0 38.7



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: 14.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

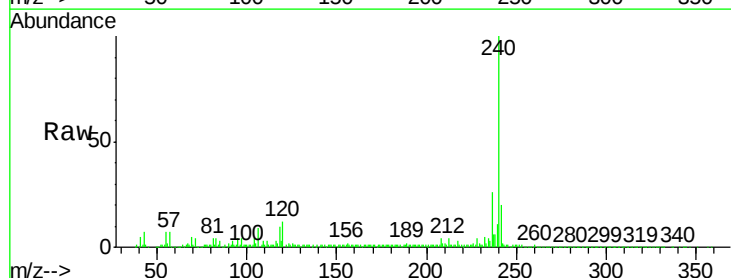
Tgt Ion:240 Resp: 359775

Ion Ratio Lower Upper

240 100

120 12.4 12.9 19.3#

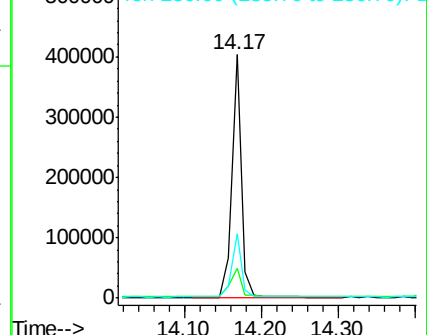
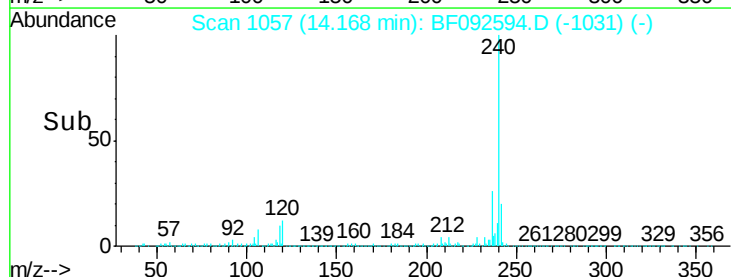
236 26.2 20.9 31.3

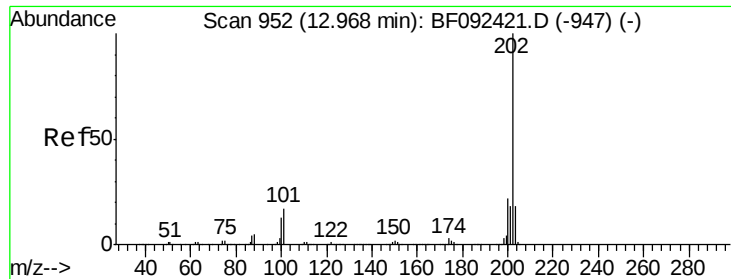


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.96 ng

RT: 12.97 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

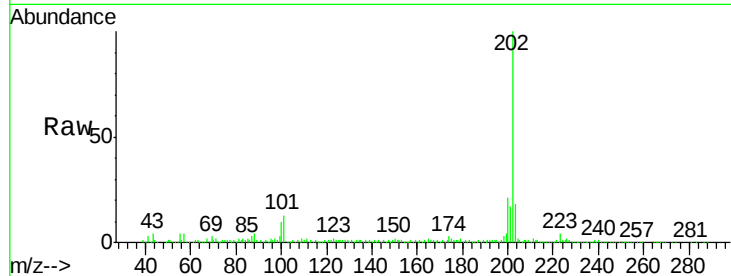
Tgt Ion:202 Resp: 207581

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

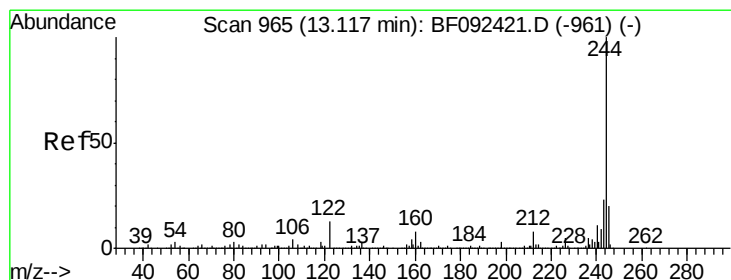
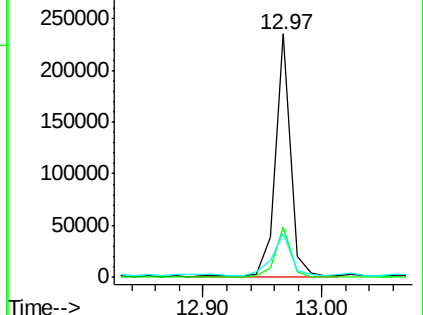
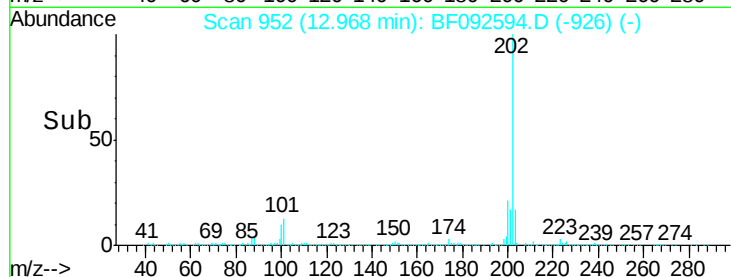
203 18.0 14.7 22.1



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: 96.86 ng

RT: 13.12 min Scan# 965

Delta R.T. 0.00 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

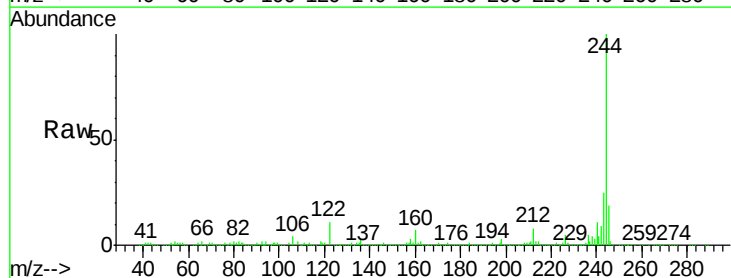
Tgt Ion:244 Resp: 1308674

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

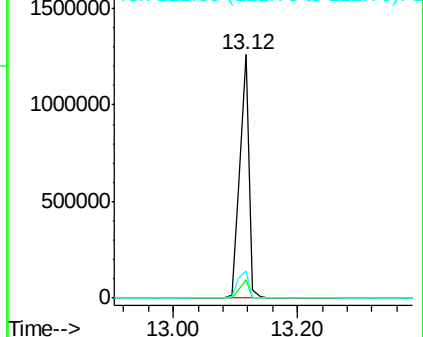
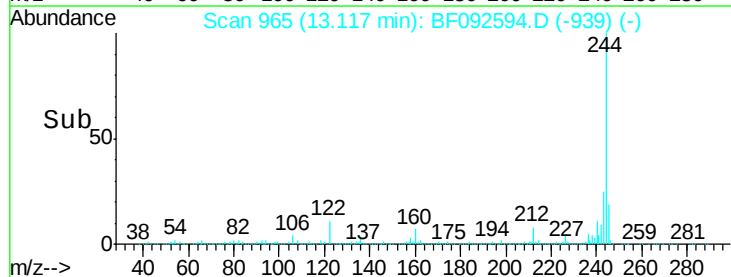
122 11.2 11.4 17.2#

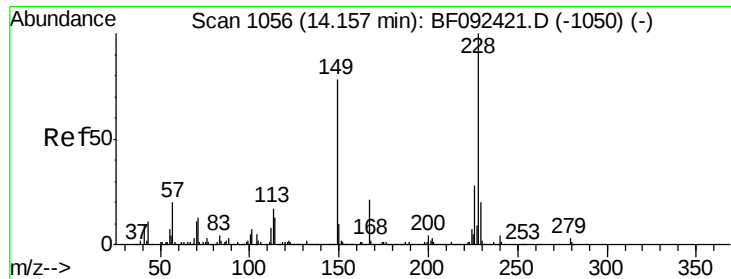


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

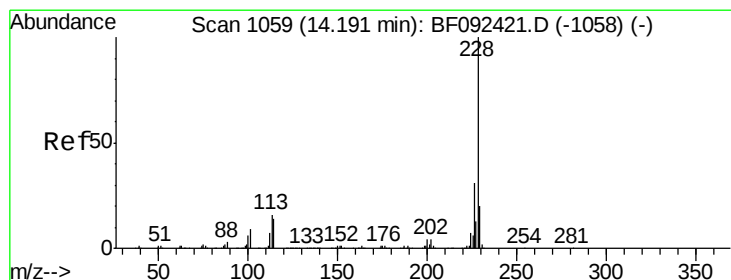
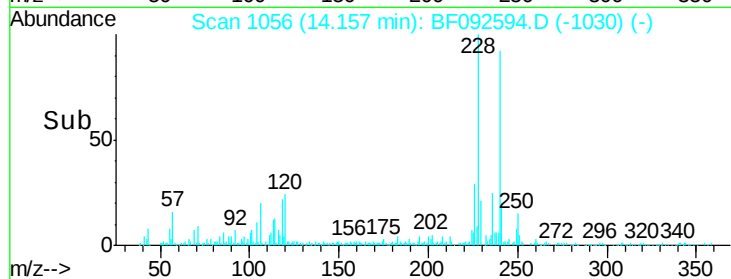
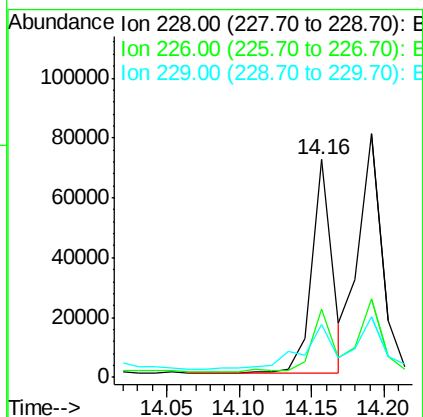
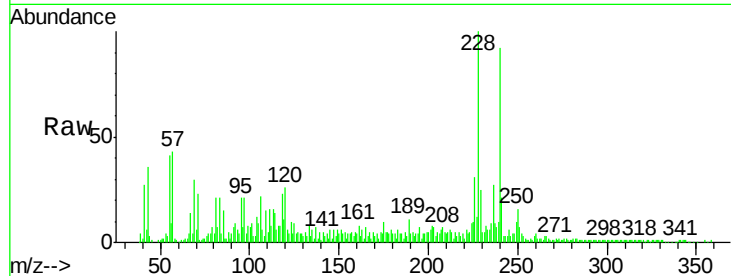




#80
Benzo(a)anthracene
Concen: 3.67 ng
RT: 14.16 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

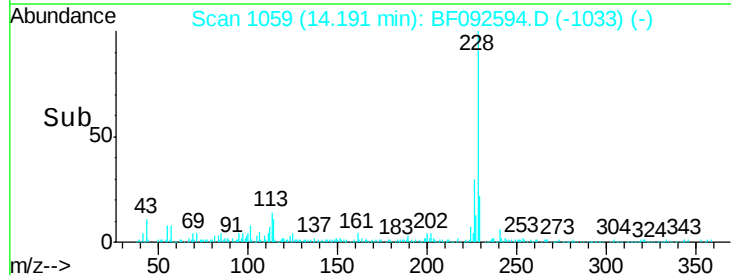
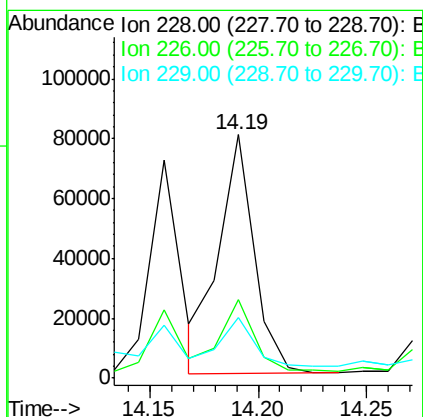
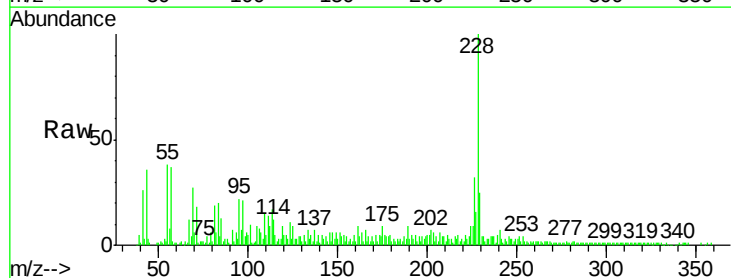
Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

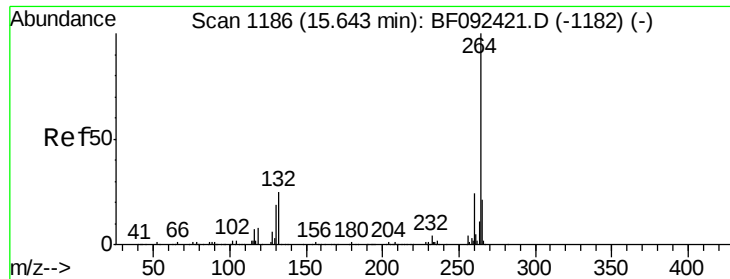
Tgt Ion:228 Resp: 71001
Ion Ratio Lower Upper
228 100
226 31.2 22.4 33.6
229 24.5 16.2 24.4#



#82
Chrysene
Concen: 4.34 ng
RT: 14.19 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:228 Resp: 89516
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.0
229 24.7 16.2 24.2#

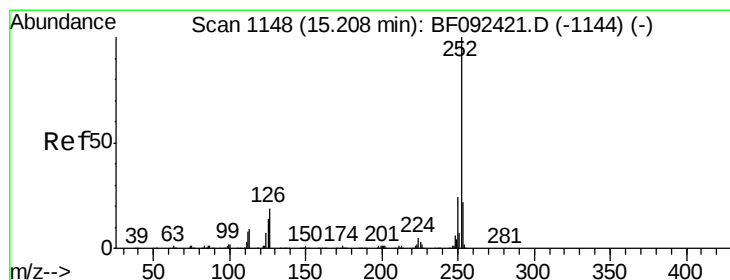
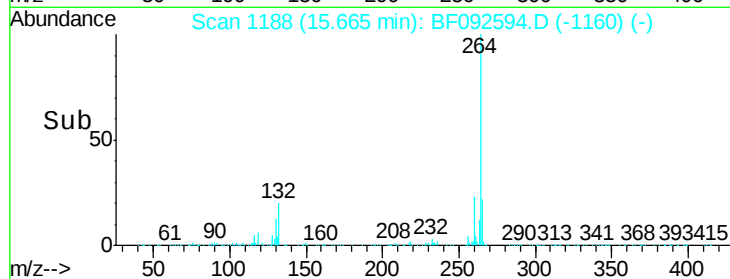
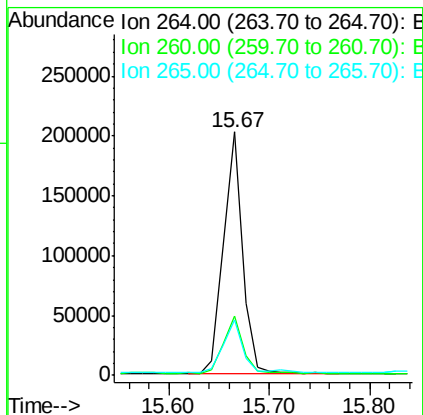
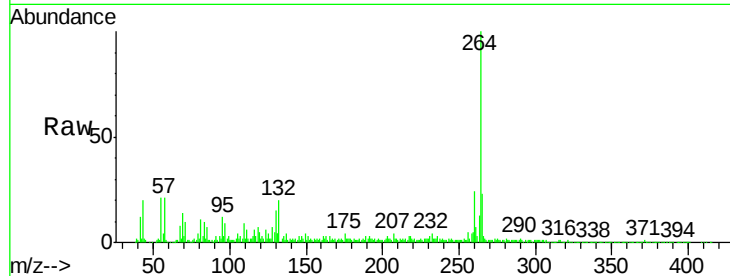




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

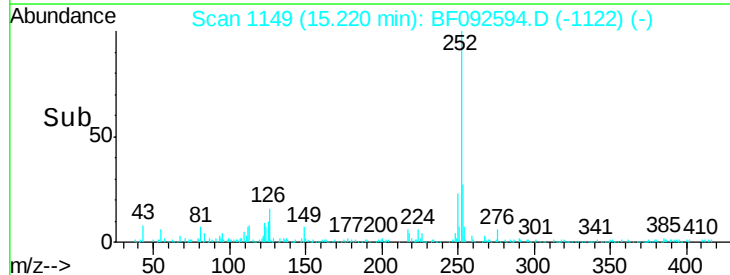
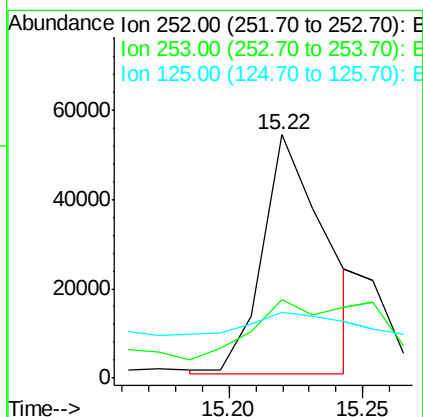
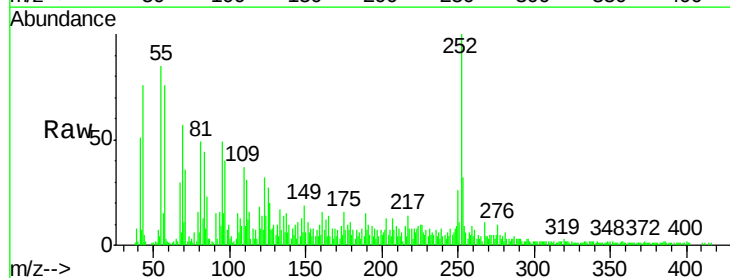
Instrument :
BNA_F
ClientSampleId :
CHA-BL-01-0-2

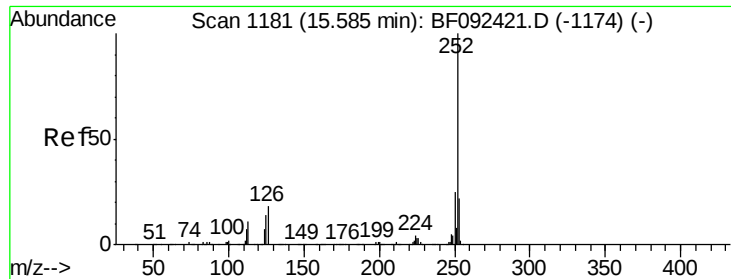
Tgt Ion:264 Resp: 268785
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 23.0 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 5.06 ng m
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF092594.D
Acq: 27 Jan 2017 23:43

Tgt Ion:252 Resp: 87396
Ion Ratio Lower Upper
252 100
253 32.4 18.2 27.4#
125 27.2 9.8 14.6#





#89

Benzo(a)pyrene

Concen: 3.13 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

Instrument :

BNA_F

ClientSampleId :

CHA-BL-01-0-2

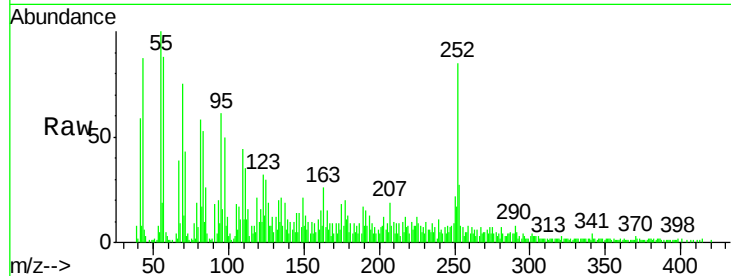
Tgt Ion:252 Resp: 45664

Ion Ratio Lower Upper

252 100

253 31.5 18.2 27.2#

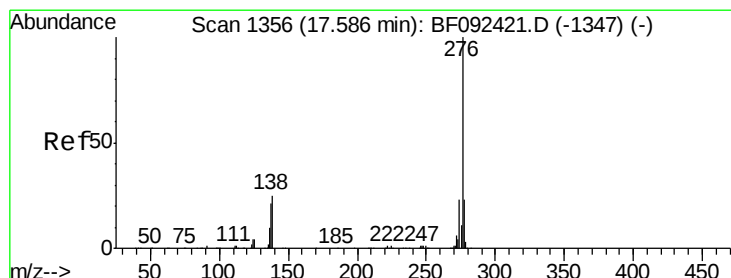
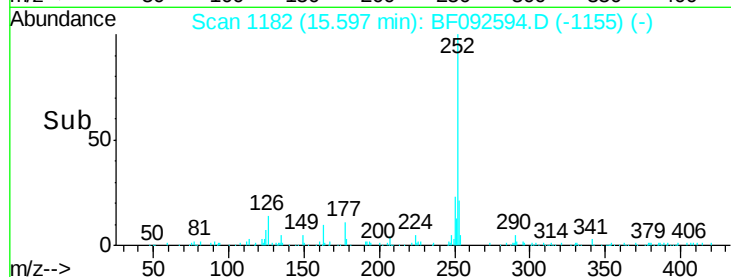
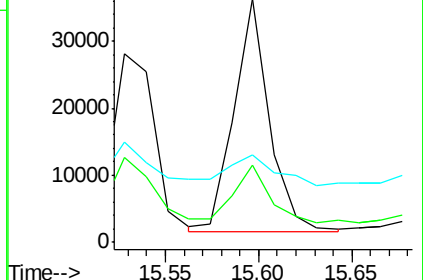
125 35.7 10.0 15.0#



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: 2.40 ng

RT: 17.62 min Scan# 1359

Delta R.T. 0.03 min

Lab File: BF092594.D

Acq: 27 Jan 2017 23:43

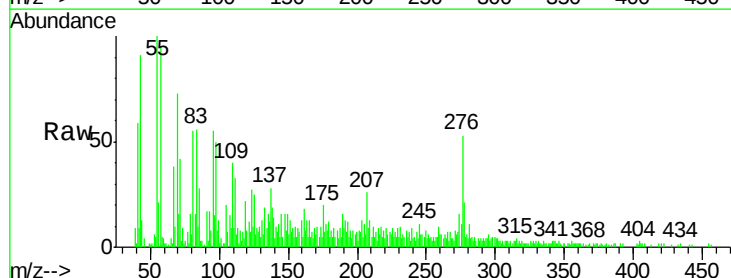
Tgt Ion:276 Resp: 28702

Ion Ratio Lower Upper

276 100

277 39.7 19.2 28.8#

138 36.8 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

