

Data File : BF093235.D
Acq On : 28 Feb 2017 5:22
Operator : SJ/MA
Sample : I1972-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Quant Time: Feb 28 05:44:45 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	158773	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	587225	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	252553	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	405151	20.00	ng	0.00
75) Chrysene-d12	13.99	240	309017	20.00	ng	0.00
86) Perylene-d12	15.43	264	225632	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	72595	7.84	ng	0.00
7) Phenol-d6	6.48	99	86799	7.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	50475	4.79	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	11397	6.24	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	92057	6.60	ng	0.00
78) Terphenyl-d14	12.92	244	69668	5.30	ng	-0.01

Target Compounds						Qvalue
25) Isophorone	7.39	82	41913	2.13	ng	# 65
56) 2,4-Dinitrotoluene	9.86	165	32513	6.65	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	272	2.77	ng	# 1
70) Phenanthrene	11.37	178	63079	2.72	ng	96
71) Anthracene	11.37	178	63079	2.71	ng	97
74) Fluoranthene	12.56	202	69833	2.92	ng	99
77) Pyrene	12.79	202	122023	5.28	ng	99
80) Benzo(a)anthracene	13.97	228	51611	2.73	ng	# 81
82) Chrysene	13.97	228	51611	2.92	ng	# 86
87) Benzo(b)fluoranthene	15.01	252	60226	4.06	ng	# 46
88) Benzo(k)fluoranthene	15.01	252	60226	4.70	ng	# 45
89) Benzo(a)pyrene	15.36	252	48342	3.76	ng	# 73
91) Benzo(g,h,i)perylene	17.25	276	42513	4.05	ng	# 87

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

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BNA_F

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E2B21-BASE-2

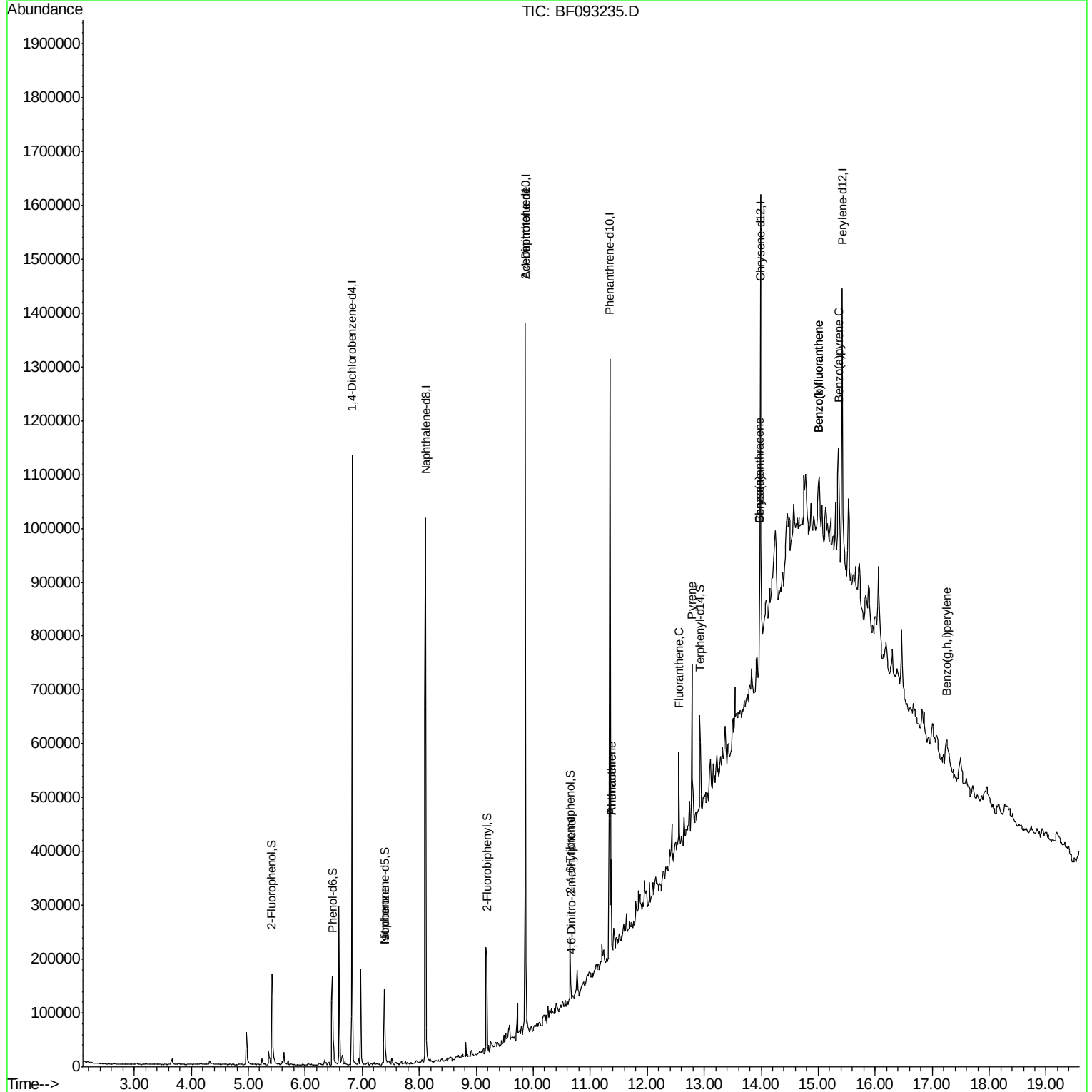
Quant Time: Feb 28 05:44:45 2017

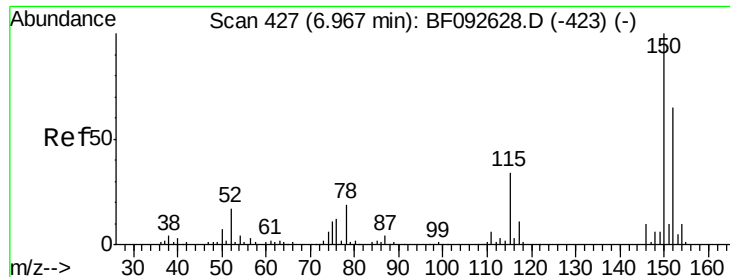
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 28 00:51:02 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-2

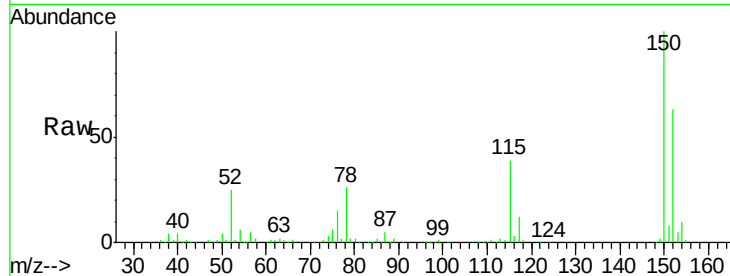
Tgt Ion:152 Resp: 158773

Ion Ratio Lower Upper

152 100

150 158.4 124.9 187.3

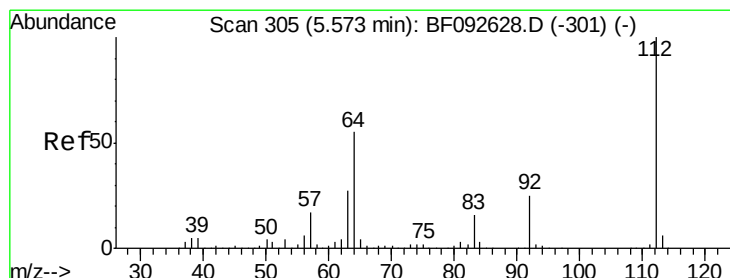
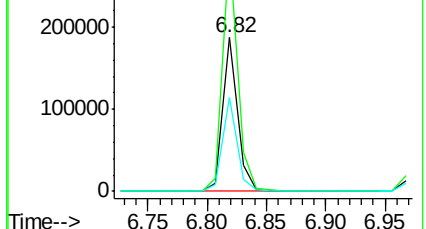
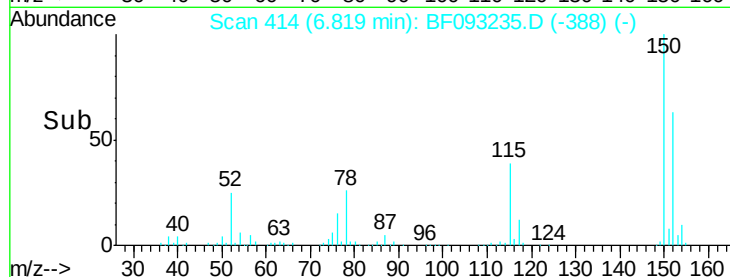
115 61.3 46.0 69.0



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: 7.84 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

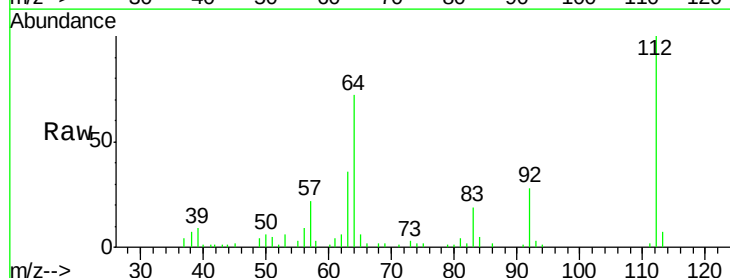
Tgt Ion:112 Resp: 72595

Ion Ratio Lower Upper

112 100

64 72.2 46.1 69.1#

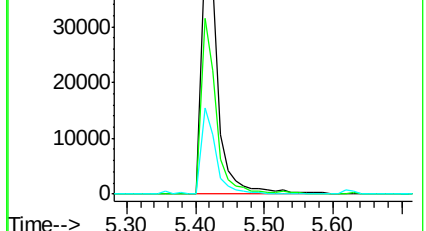
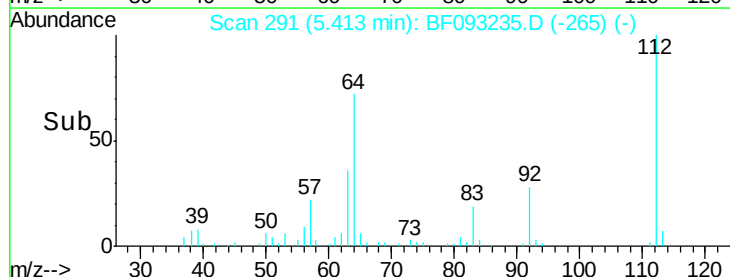
63 35.6 23.8 35.6

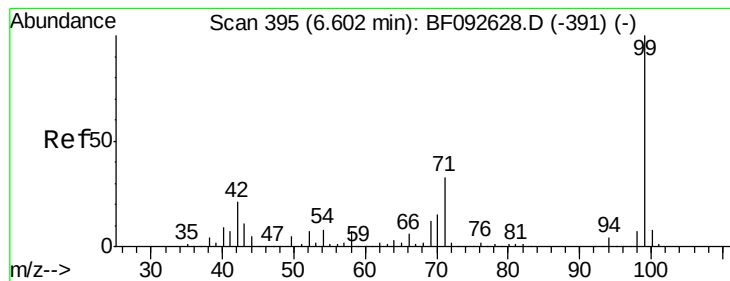


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.29 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-2

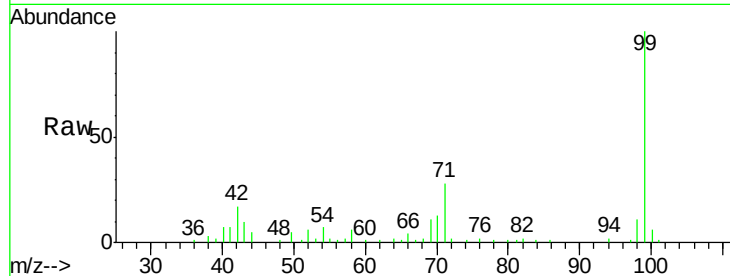
Tgt Ion: 99 Resp: 86799

Ion Ratio Lower Upper

99 100

42 16.7 15.6 23.4

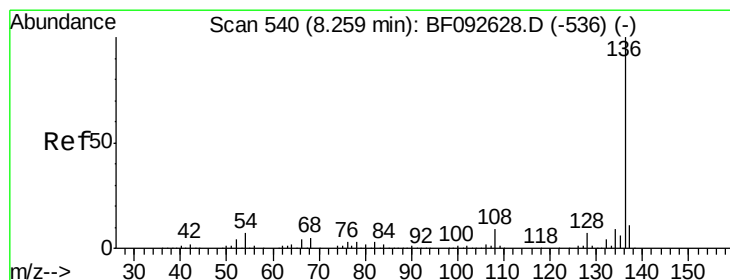
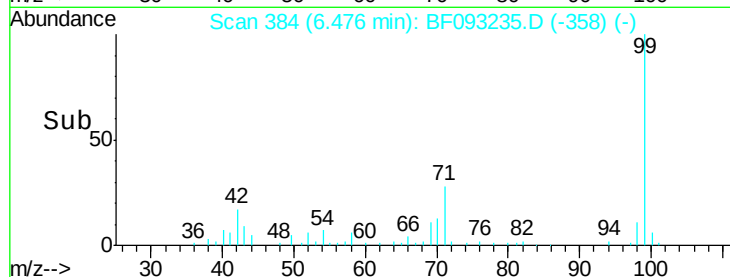
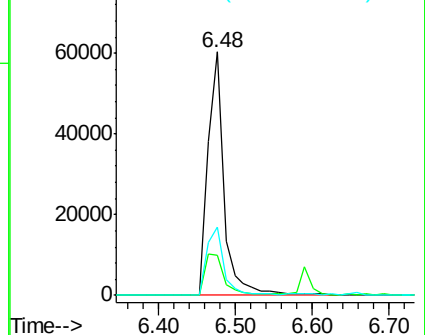
71 28.3 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Tgt Ion: 136 Resp: 587225

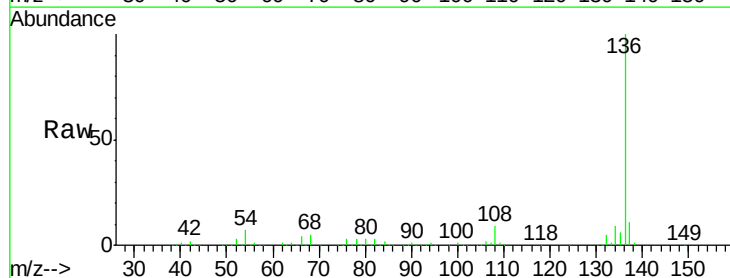
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.3 4.5 6.7#

68 5.3 3.6 5.4

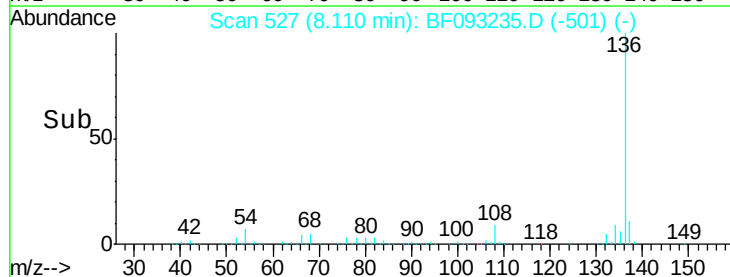
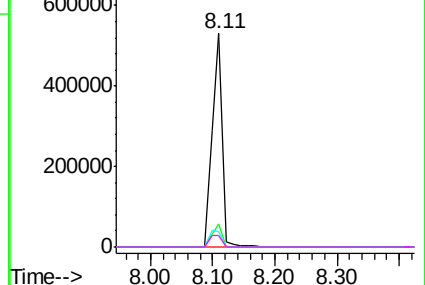


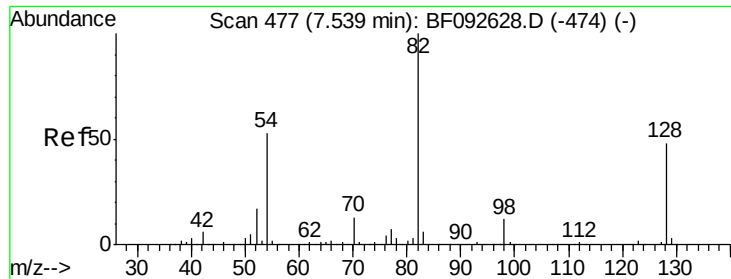
Abundance Ion 136.00 (135.70 to 136.70): E

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

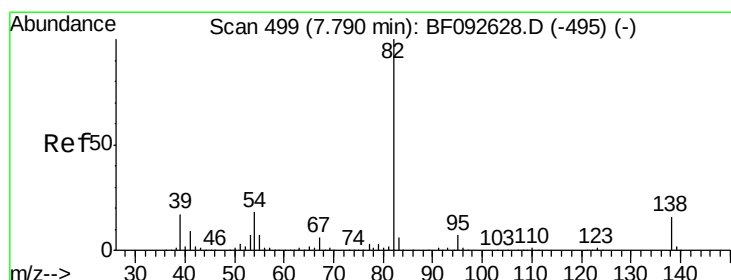
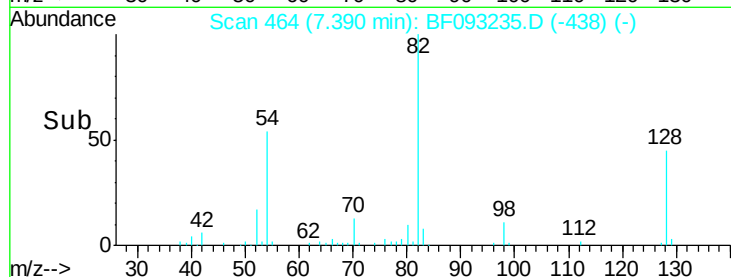
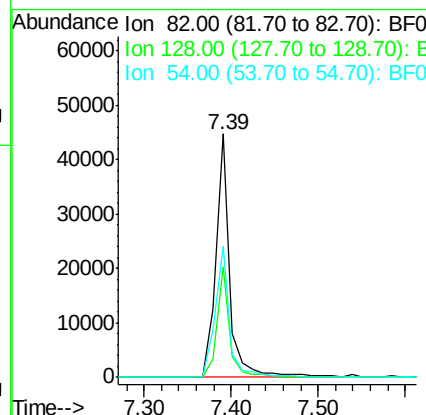
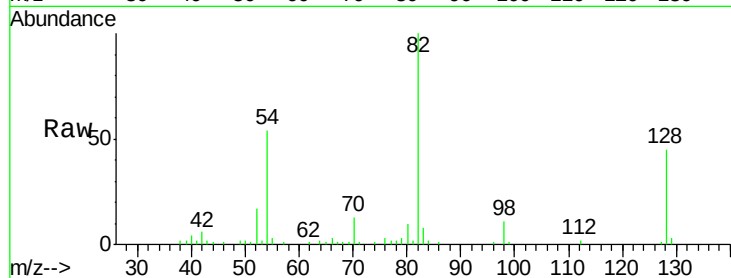




#23
 Nitrobenzene-d5
 Concen: 4.79 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

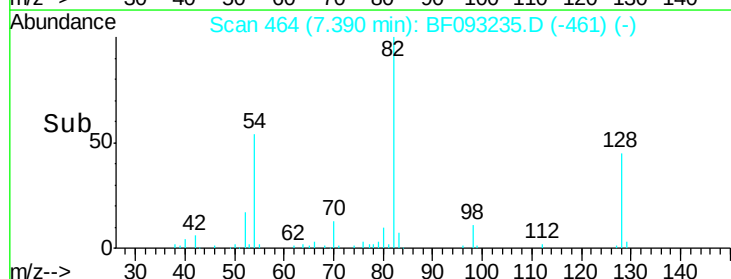
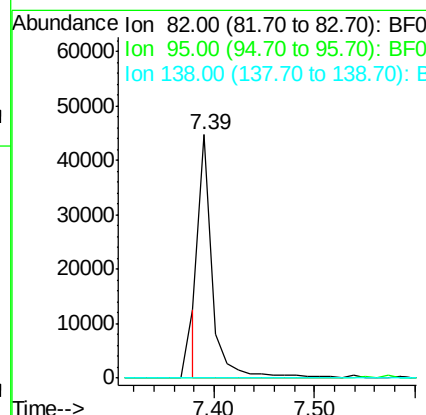
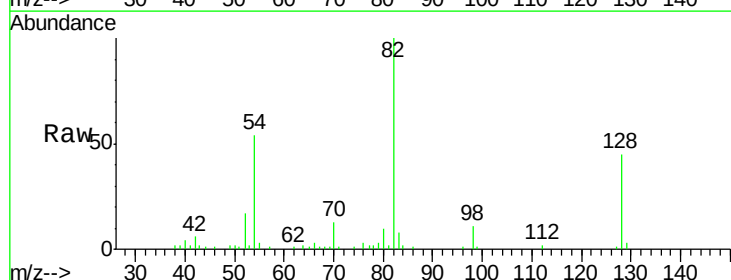
Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

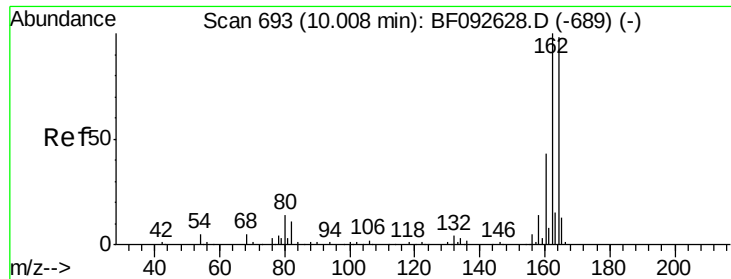
Tgt Ion: 82 Resp: 50475
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.6 52.0
 54 54.0 39.5 59.3



#25
 Isophorone
 Concen: 2.13 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.26 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

Tgt Ion: 82 Resp: 41913
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

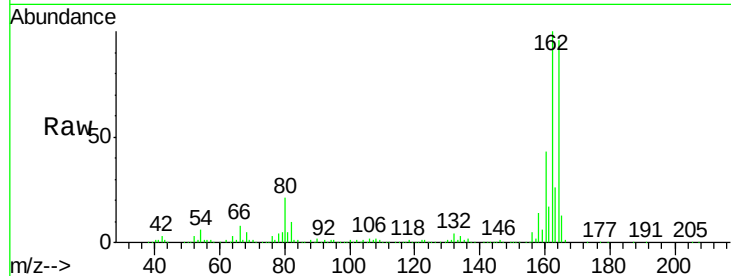




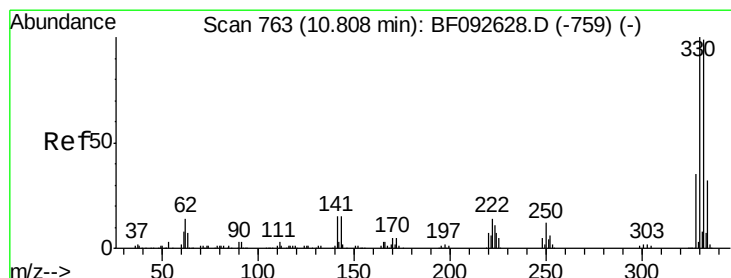
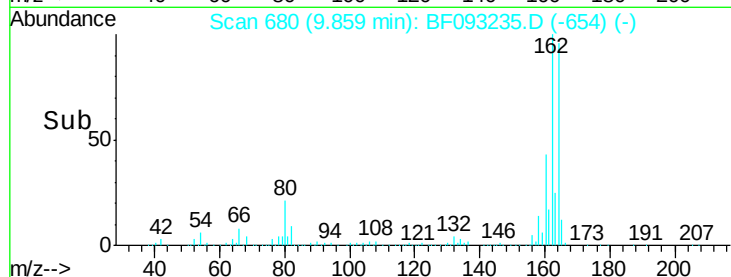
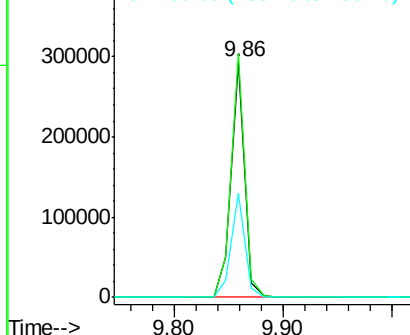
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion:164 Resp: 252553
Ion Ratio Lower Upper
164 100
162 103.7 80.2 120.2
160 44.5 36.9 55.3

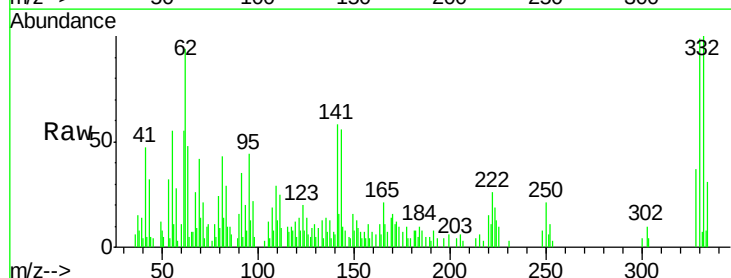


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

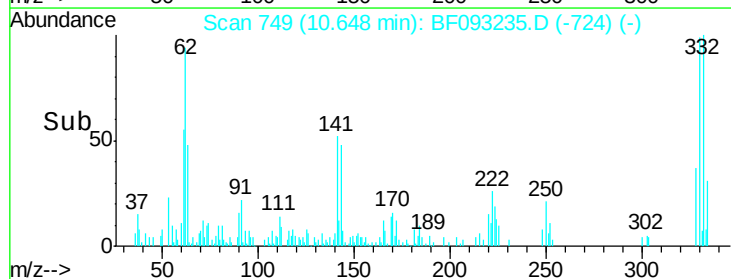
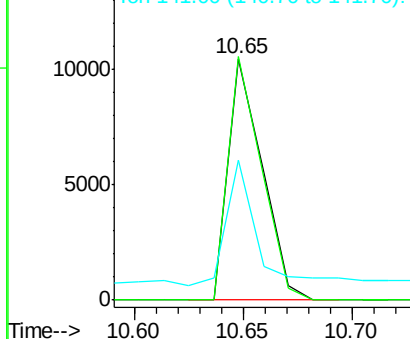


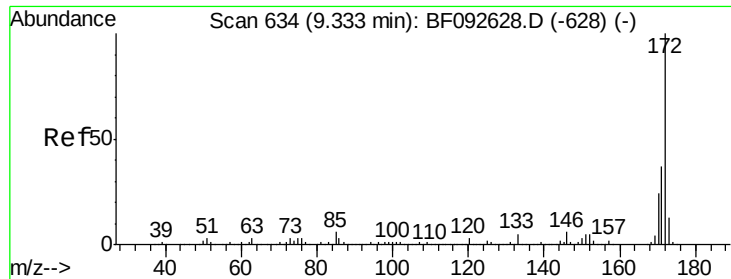
#41
2,4,6-Tribromophenol
Concen: 6.24 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:330 Resp: 11397
Ion Ratio Lower Upper
330 100
332 98.4 77.4 116.2
141 57.8 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

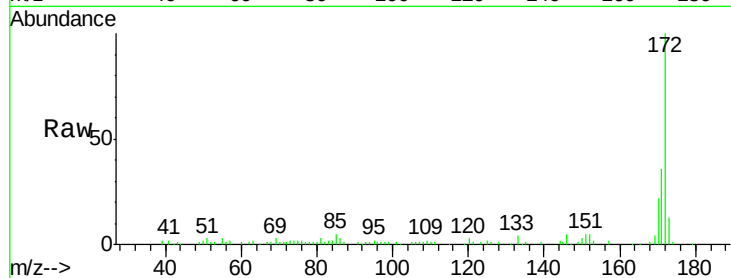




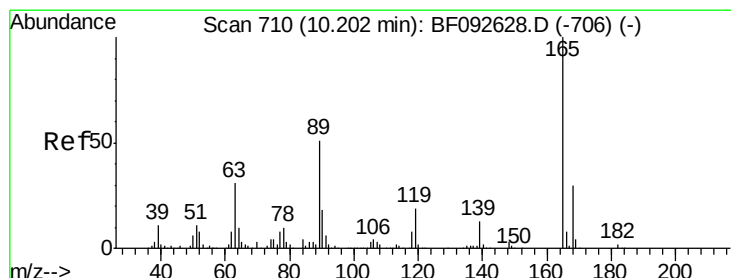
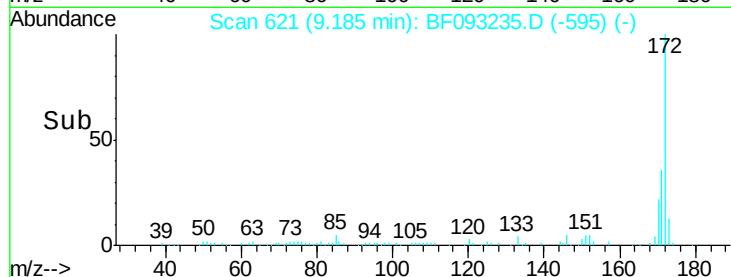
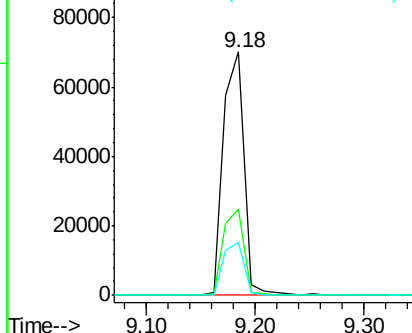
#44
 2-Fluorobiphenyl
 Concen: 6.60 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

Tgt Ion:172 Resp: 92057
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 22.0 20.2 30.4

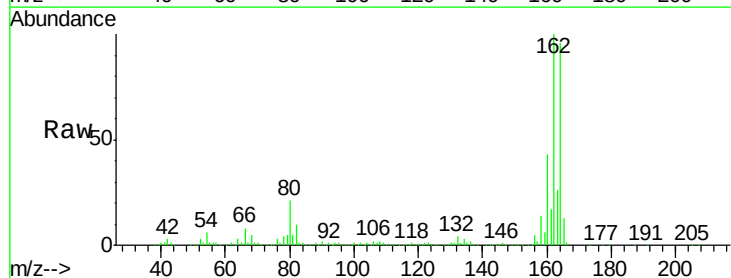


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

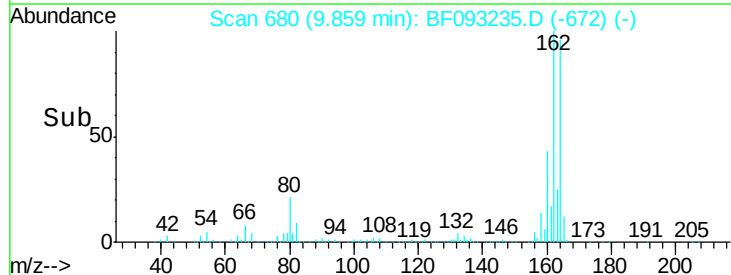
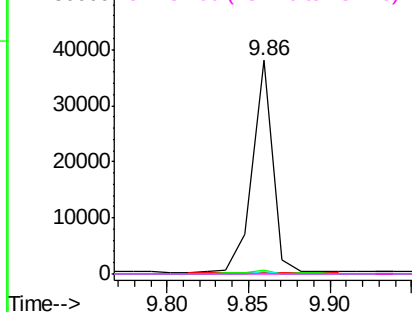


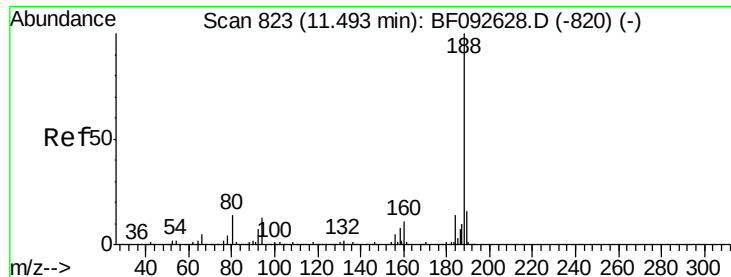
#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

Tgt Ion:165 Resp: 32513
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 1.1 62.5 93.7#
 182 0.0 1.8 2.8#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

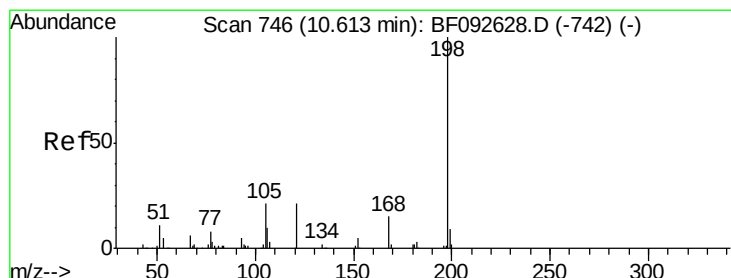
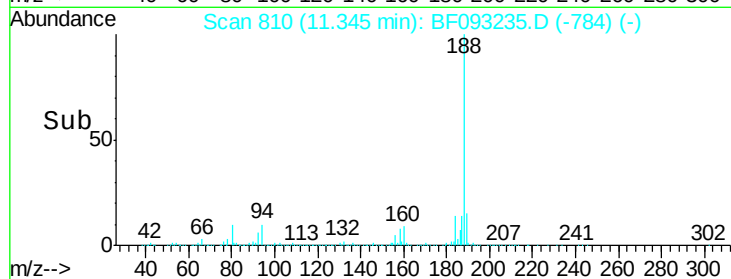
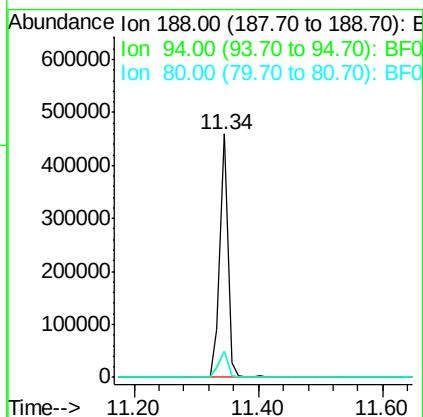
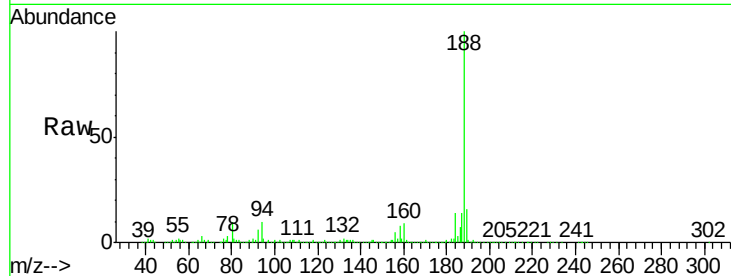




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

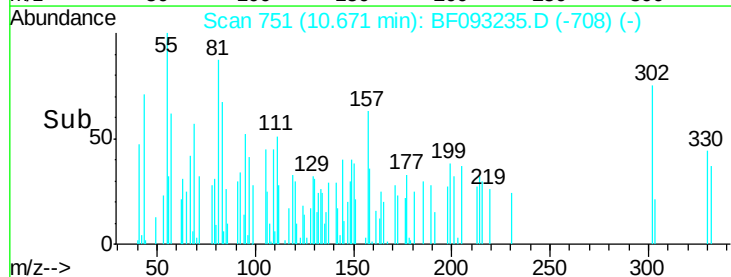
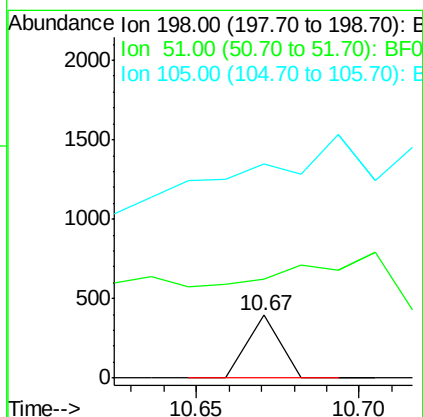
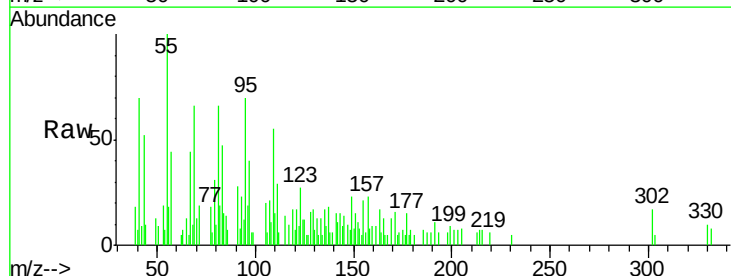
Instrument :
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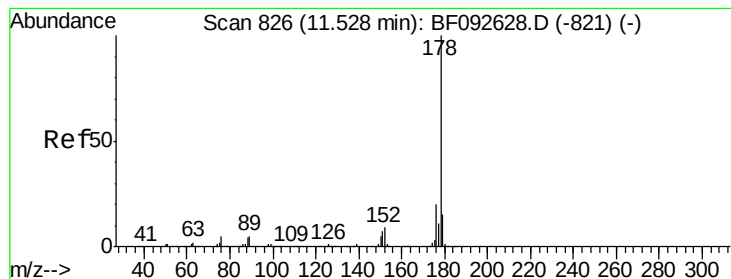
Tgt Ion:188 Resp: 405151
 Ion Ratio Lower Upper
 188 100
 94 10.5 10.0 15.0
 80 10.5 11.2 16.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.77 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.19 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

Tgt Ion:198 Resp: 272
 Ion Ratio Lower Upper
 198 100
 51 157.3 6.7 46.7#
 105 339.4 16.6 56.6#





#70

Phenanthrene

Concen: 2.72 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-2

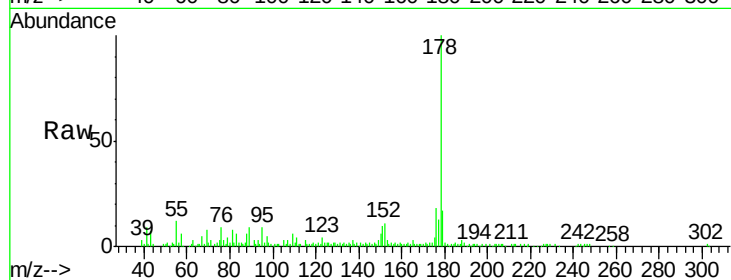
Tgt Ion:178 Resp: 63079

Ion Ratio Lower Upper

178 100

176 18.4 16.6 25.0

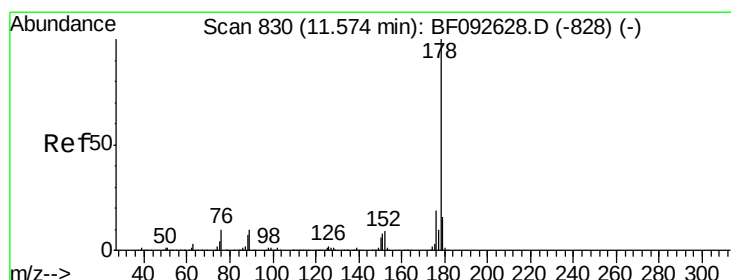
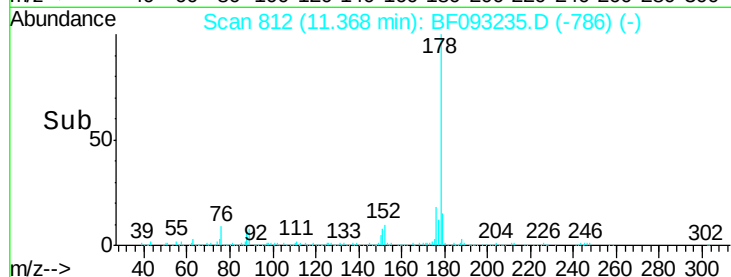
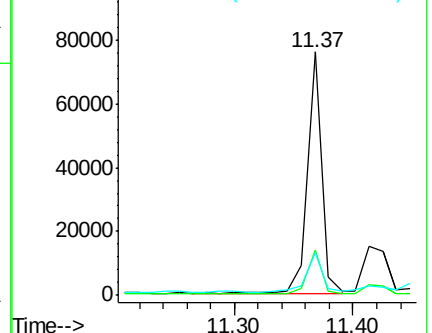
179 17.3 12.8 19.2



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: 2.71 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.06 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

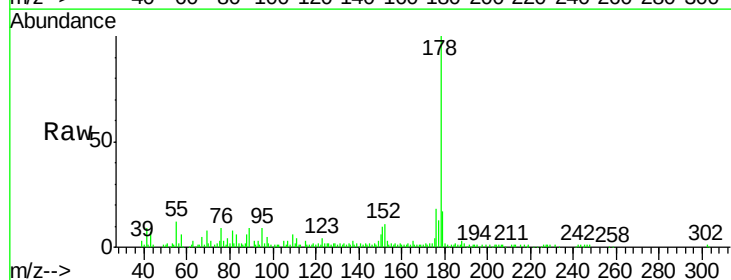
Tgt Ion:178 Resp: 63079

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

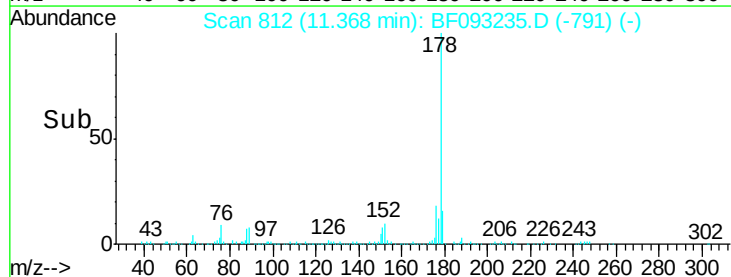
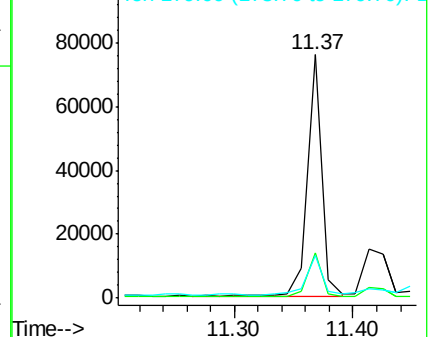
179 17.3 13.2 19.8

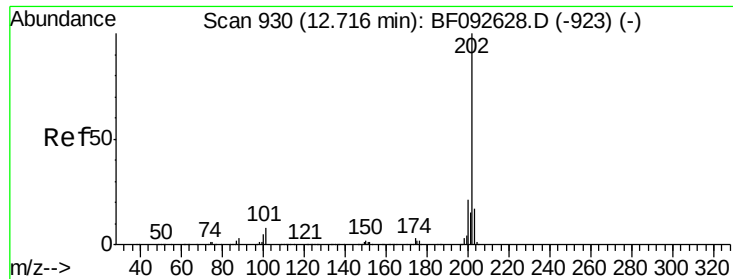


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.92 ng

RT: 12.56 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-2

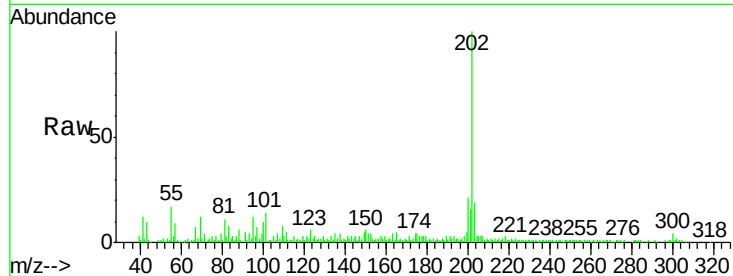
Tgt Ion:202 Resp: 69833

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.6

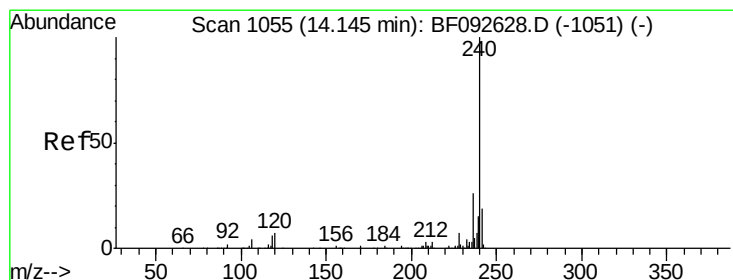
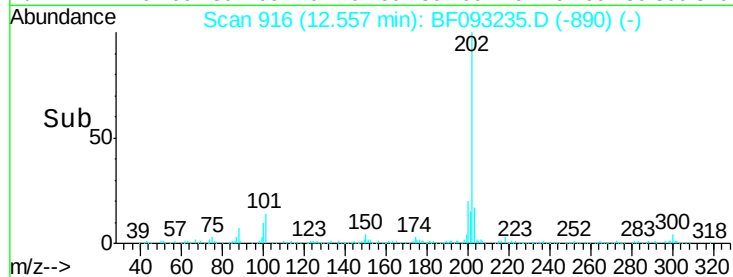
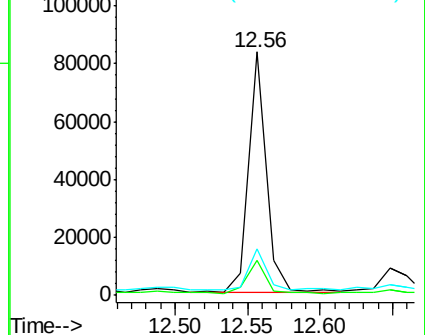
203 19.3 0.0 38.7



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: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

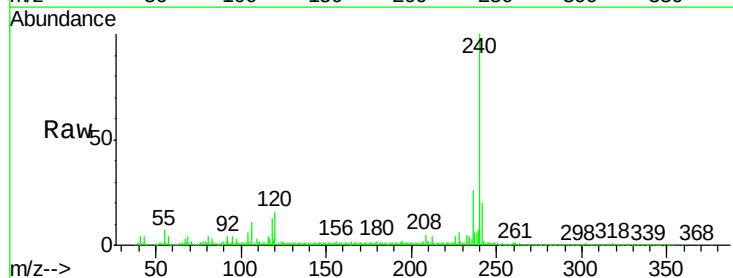
Tgt Ion:240 Resp: 309017

Ion Ratio Lower Upper

240 100

120 15.7 12.9 19.3

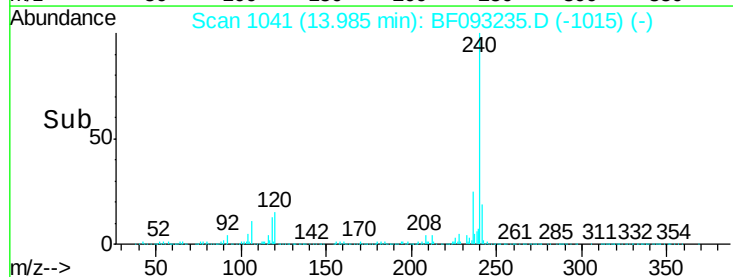
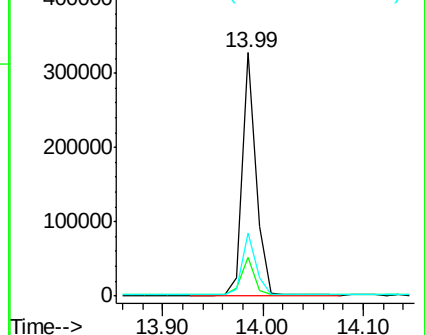
236 25.9 20.9 31.3

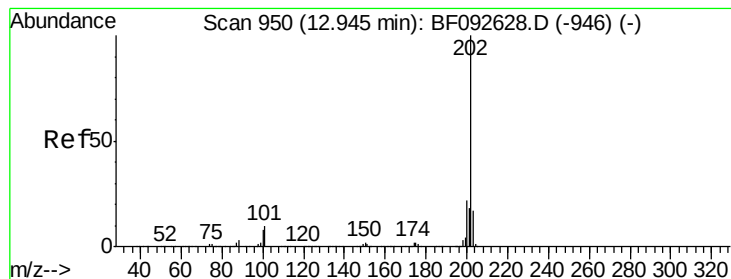


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.28 ng

RT: 12.79 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

Instrument :

BNA_F

ClientSampleId :

E2B21-BASE-2

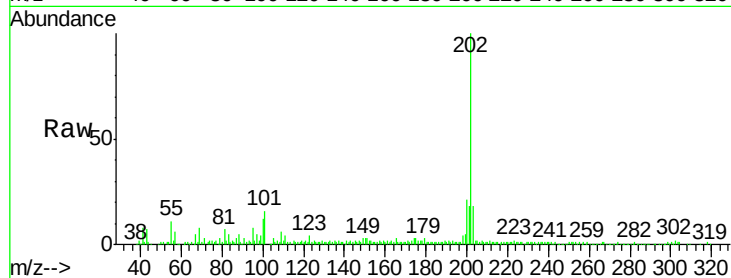
Tgt Ion:202 Resp: 122023

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

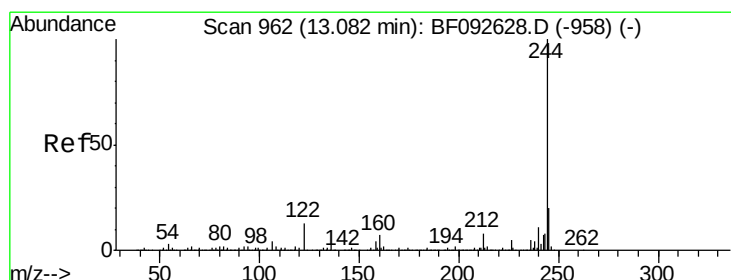
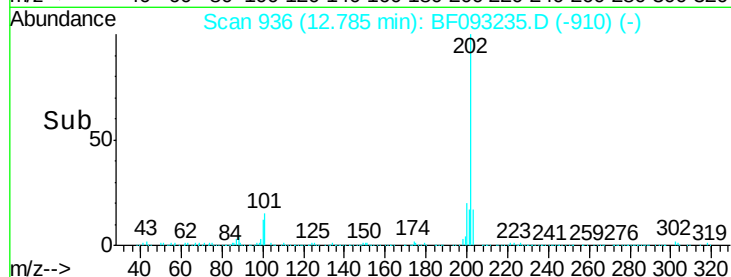
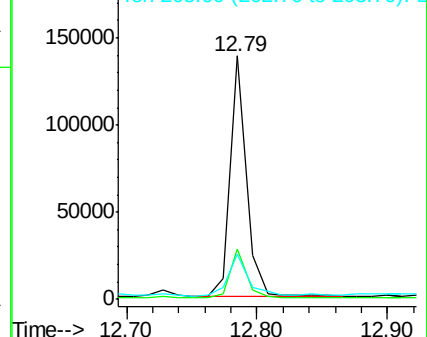
203 18.5 14.7 22.1



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: 5.30 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF093235.D

Acq: 28 Feb 2017 5:22

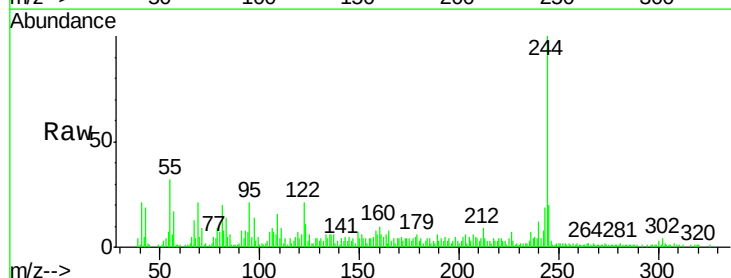
Tgt Ion:244 Resp: 69668

Ion Ratio Lower Upper

244 100

212 9.4 6.2 9.2#

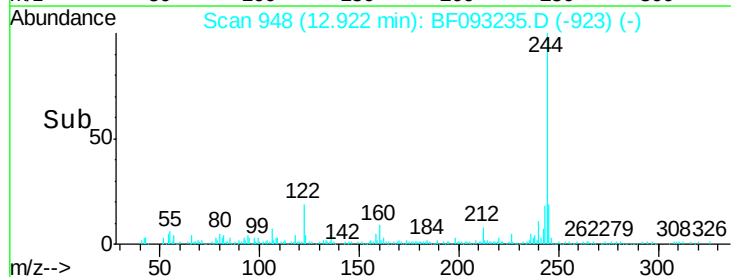
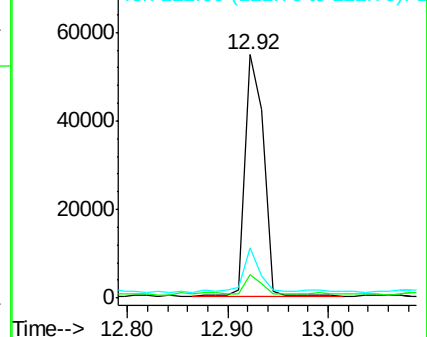
122 20.8 11.4 17.2#

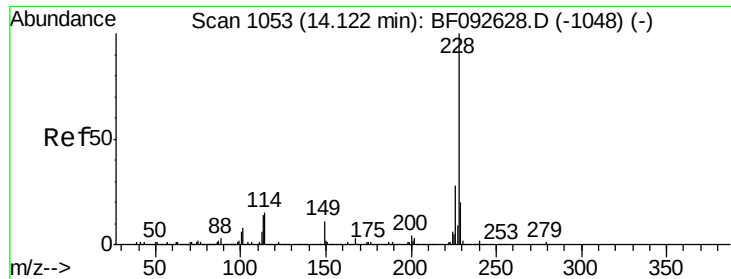


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

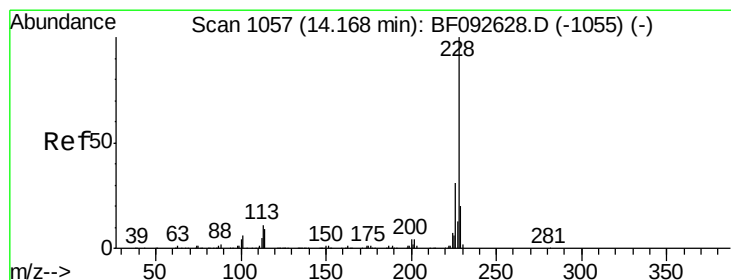
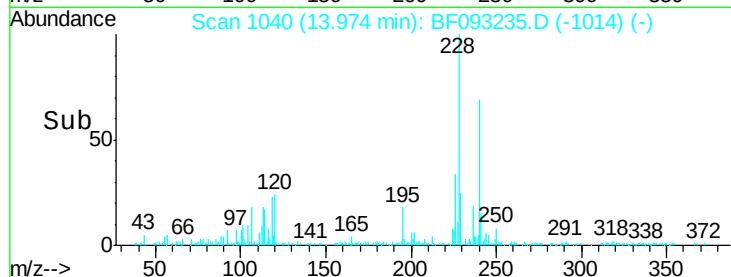
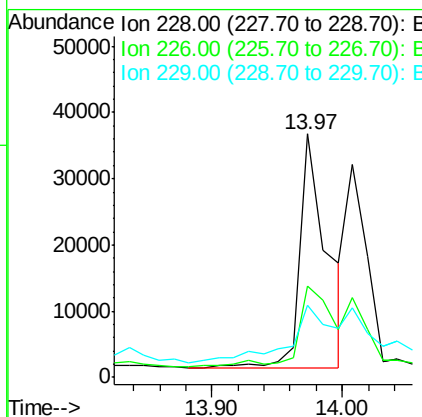
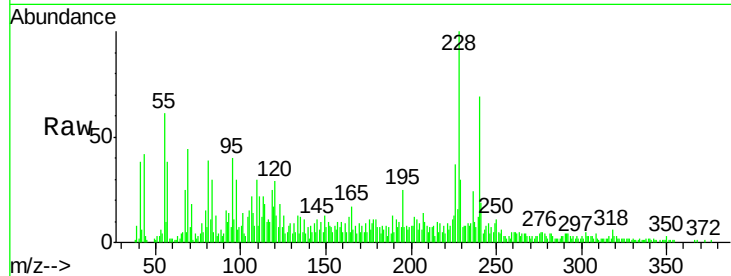




#80
Benzo(a)anthracene
Concen: 2.73 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

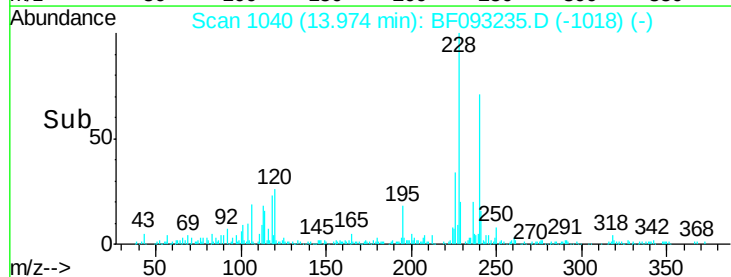
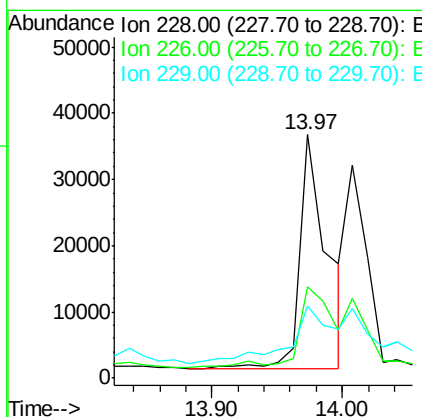
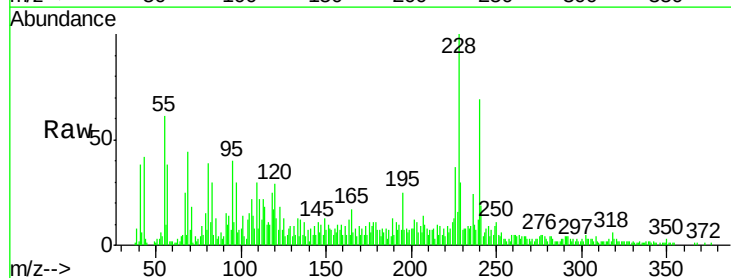
Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

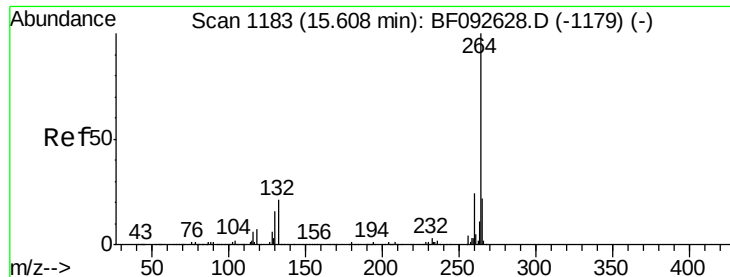
Tgt Ion:228 Resp: 51611
Ion Ratio Lower Upper
228 100
226 37.3 22.4 33.6#
229 29.7 16.2 24.4#



#82
Chrysene
Concen: 2.92 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:228 Resp: 51611
Ion Ratio Lower Upper
228 100
226 37.3 25.4 38.0
229 29.7 16.2 24.2#



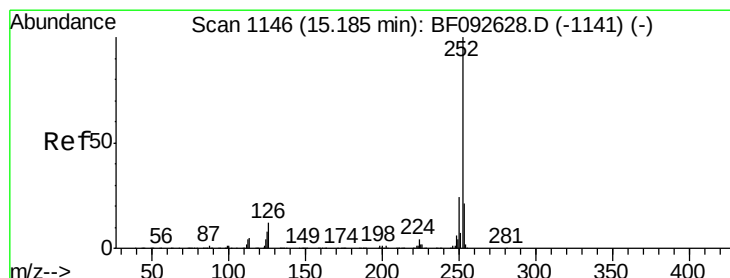
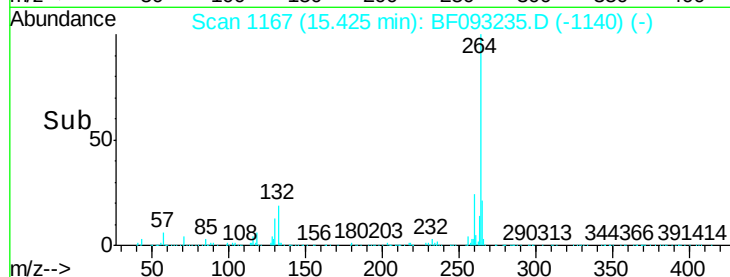
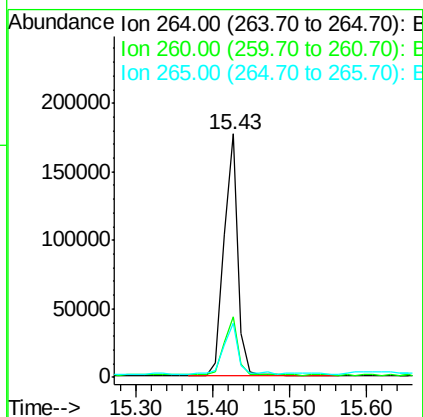
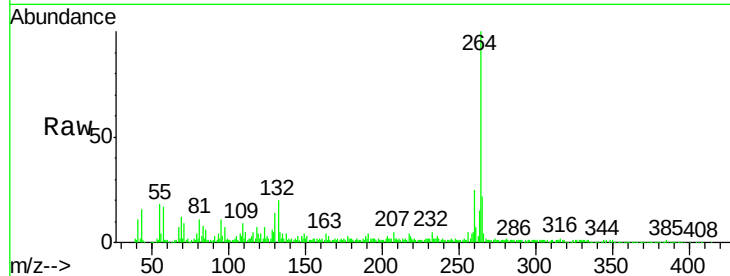


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

Tgt Ion: 264 Resp: 225632

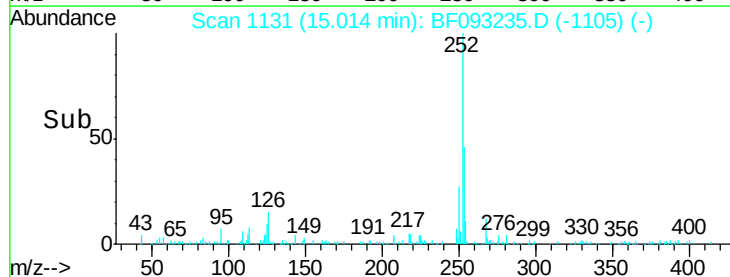
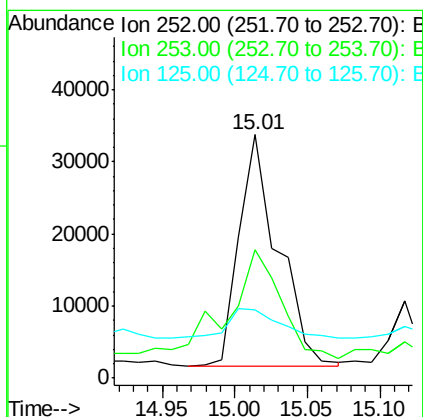
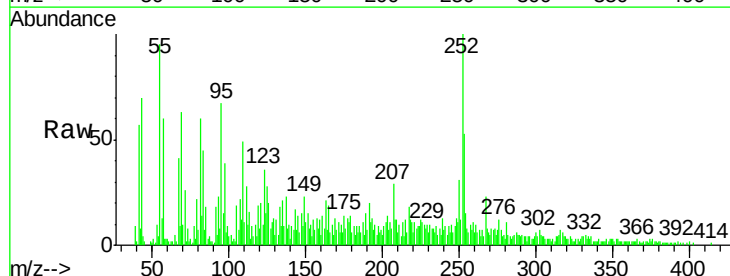
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.4	17.4	26.0

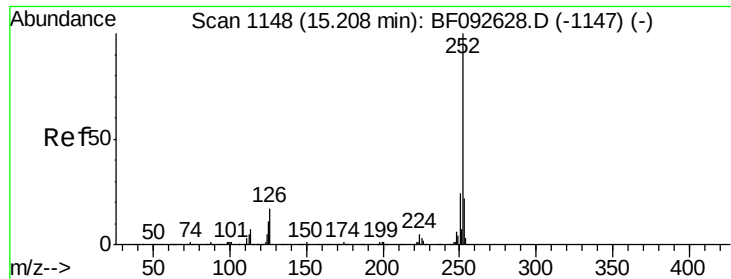


#87
Benzo(b)fluoranthene
Concen: 4.06 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion: 252 Resp: 60226

Ion	Ratio	Lower	Upper
252	100		
253	52.5	18.2	27.4#
125	27.9	9.8	14.6#

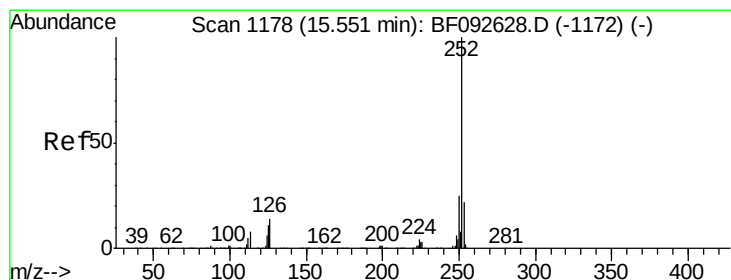
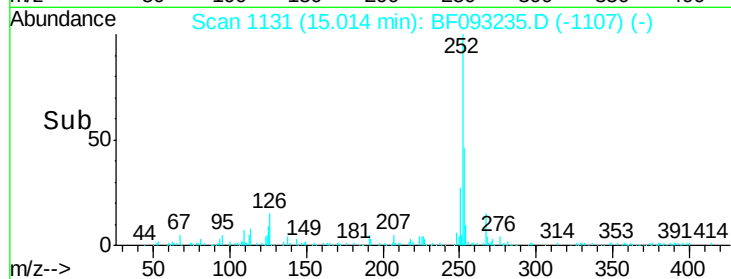
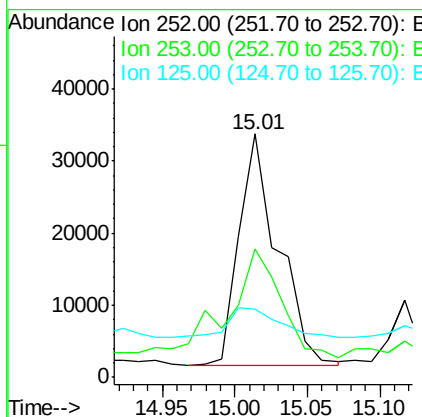
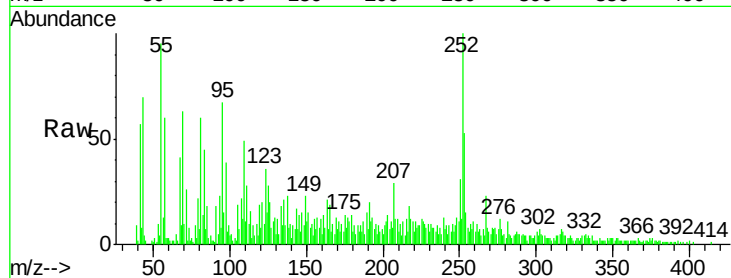




#88
Benzo(k)fluoranthene
Concen: 4.70 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

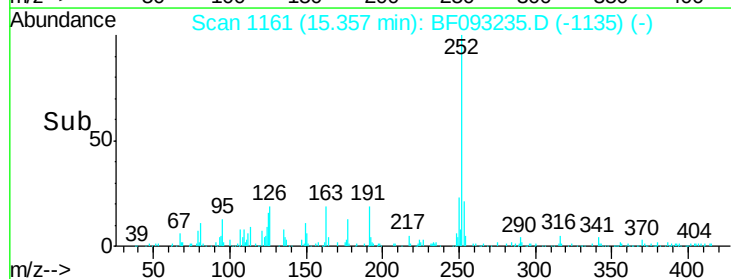
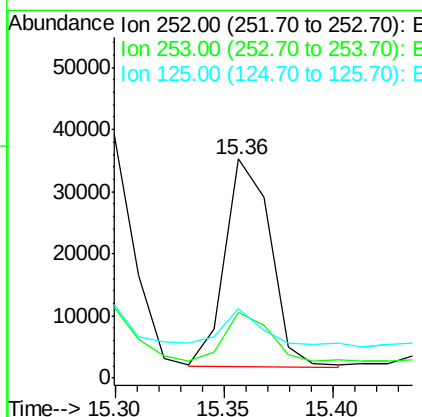
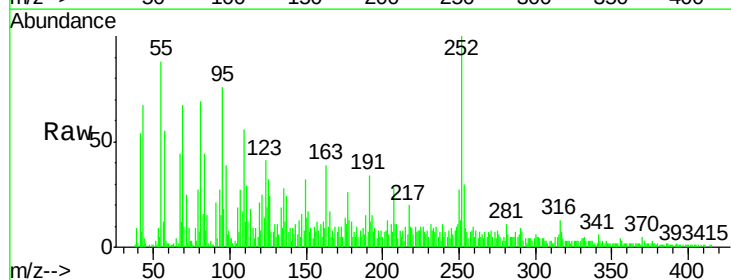
Instrument :
BNA_F
ClientSampleId :
E2B21-BASE-2

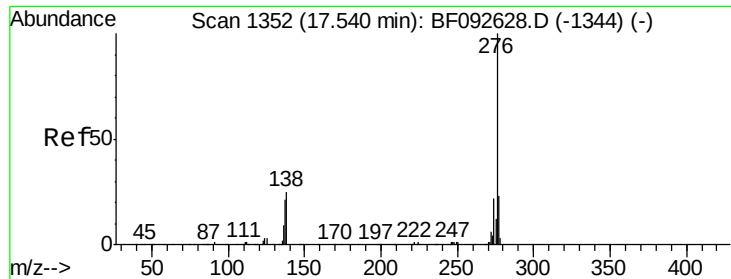
Tgt Ion:252 Resp: 60226
Ion Ratio Lower Upper
252 100
253 52.5 18.5 27.7#
125 27.9 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.76 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF093235.D
Acq: 28 Feb 2017 5:22

Tgt Ion:252 Resp: 48342
Ion Ratio Lower Upper
252 100
253 30.2 18.2 27.2#
125 31.6 10.0 15.0#

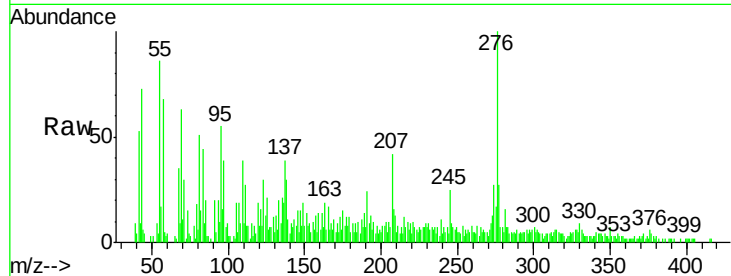




#91
 Benzo(g,h,i)perylene
 Concen: 4.05 ng
 RT: 17.25 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF093235.D
 Acq: 28 Feb 2017 5:22

Instrument :
 BNA_F
 ClientSampleId :
 E2B21-BASE-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.2	28.8
138	29.6	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

