

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091240.D
 Acq On : 18 Nov 2015 22:35
 Operator : UM/NP
 Sample : G4310-04
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL9

Quant Time: Nov 19 06:06:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 19 06:02:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	4923	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	29263	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	21312	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	2030604	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	74968	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	80188	0.40	ng/ul	0.00

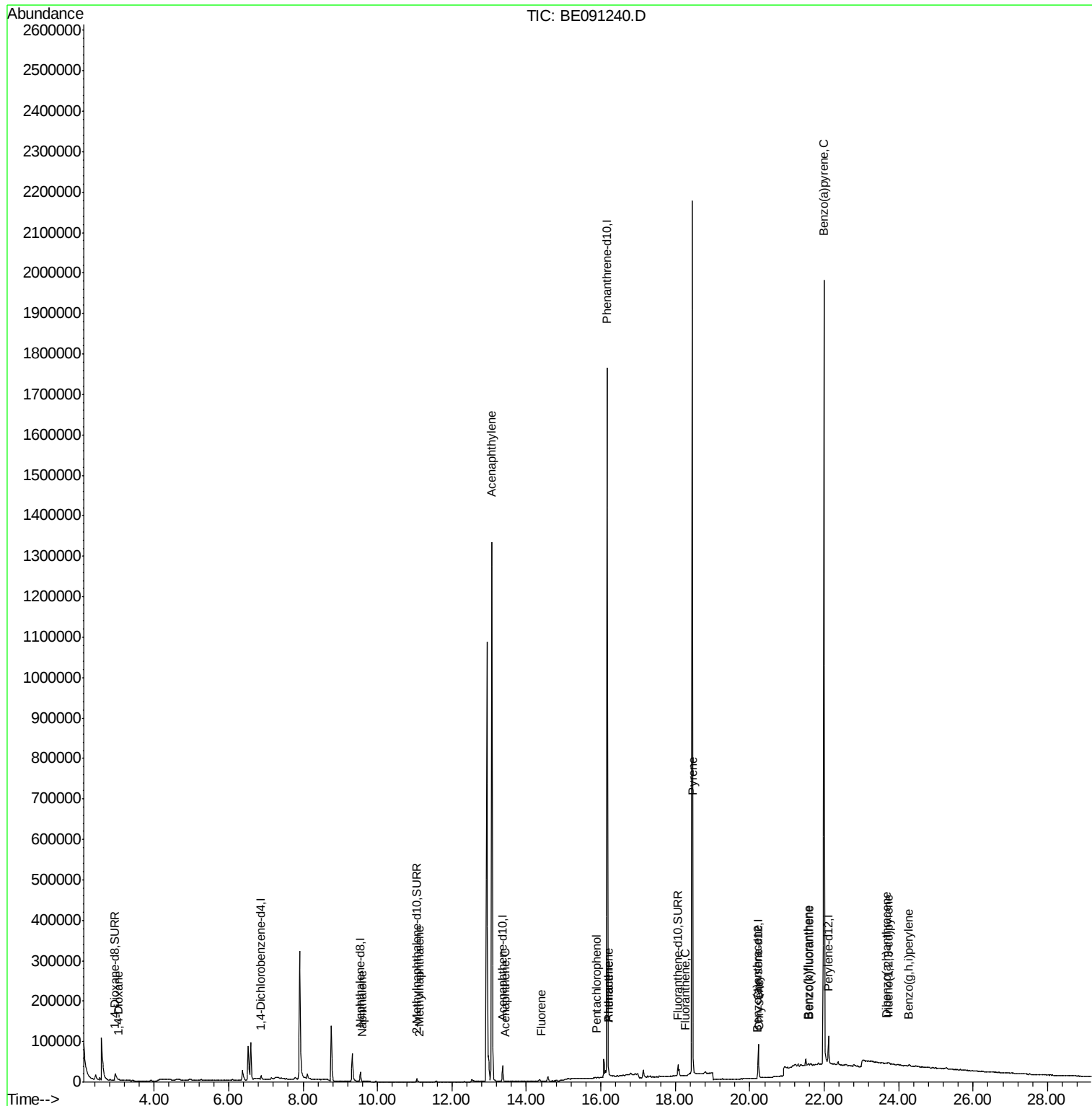
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	27632	7.80	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	10962	0.27	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	29597	0.01	ng/ul	0.00

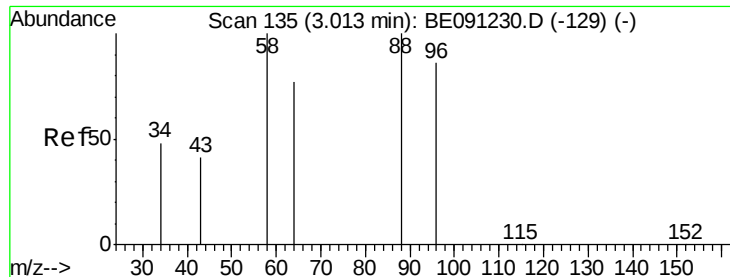
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.06	88	157	0.04	ng/ul#	39
5) Naphthalene	9.59	128	1180	0.02	ng/ul#	42
7) 2-Methylnaphthalene	11.13	142	232	0.00	ng/ul	89
9) Acenaphthylene	13.07	152	359	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	146	0.00	ng/ul#	67
11) Fluorene	14.40	166	475	0.01	ng/ul#	50
13) Pentachlorophenol	15.89	266	15	0.00	ng/ul#	16
14) Phenanthrene	16.20	178	7744	0.00	ng/ul#	1
15) Anthracene	16.20	178	6213	0.00	ng/ul#	1
17) Fluoranthene	18.26	202	1202	0.00	ng/ul#	1
19) Pyrene	18.47	202	33540	0.04	ng/ul#	16
20) Benzo(a)anthracene	20.20	228	1198	0.01	ng/ul#	1
21) Chrysene	20.26	228	2798	0.01	ng/ul#	3
23) Benzo(b)fluoranthene	21.56	252	1852	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	1387	0.01	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	8981	0.04	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.73	276	5325	0.01	ng/ul#	52
27) Dibenzo(a,h)anthracene	23.68	278	543	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.27	276	6743	0.01	ng/ul#	1

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

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Operator  : UM/NP  
Sample    : G4310-04  
Misc      :  
ALS Vial  : 46      Sample Multiplier: 1
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Quant Time: Nov 19 06:06:38 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 19 06:02:12 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.06 min Scan# 141

Delta R.T. 0.04 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

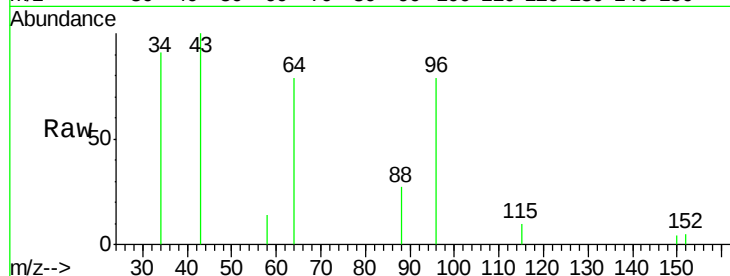
Tgt Ion: 88 Resp: 157

Ion Ratio Lower Upper

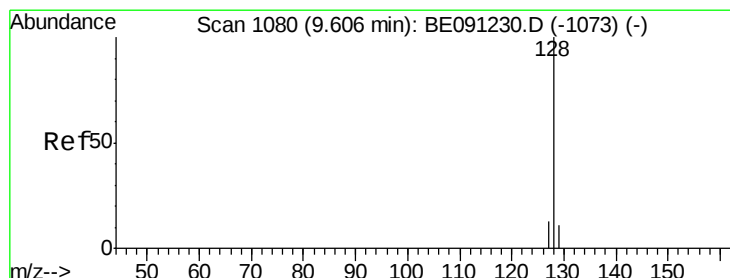
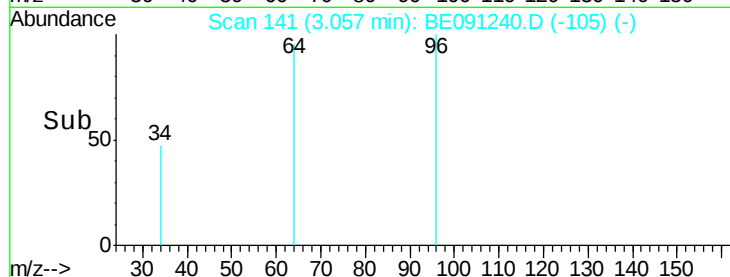
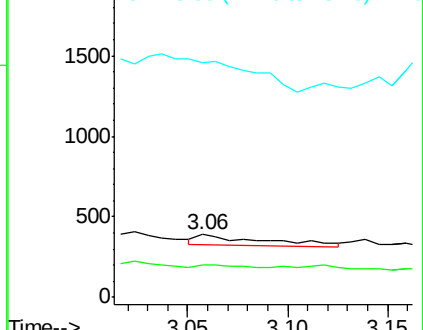
88 100

58 17.8 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

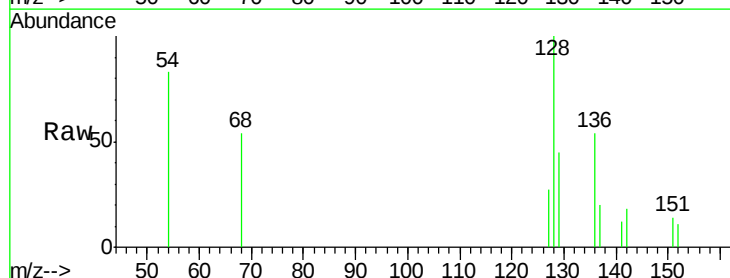
Tgt Ion: 128 Resp: 1180

Ion Ratio Lower Upper

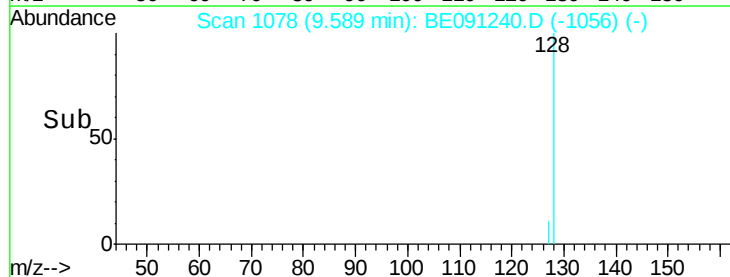
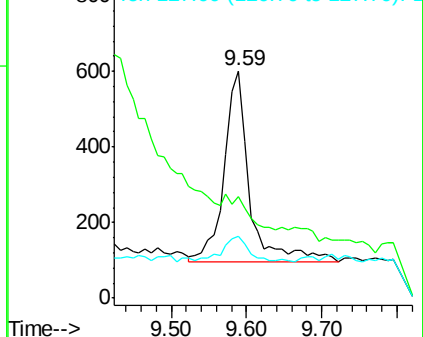
128 100

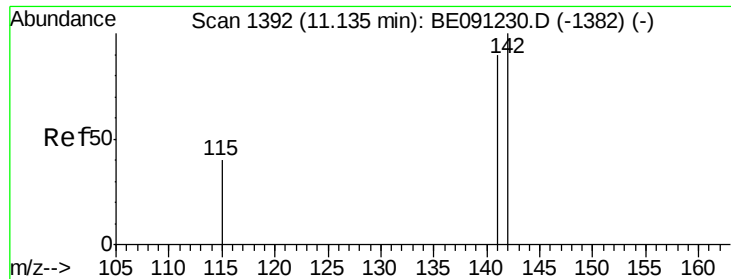
129 44.8 9.8 14.8#

127 27.1 10.7 16.1#



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





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

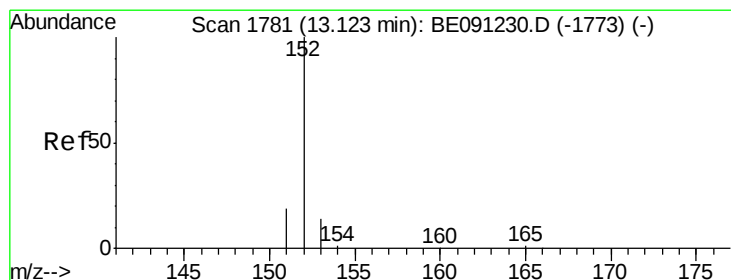
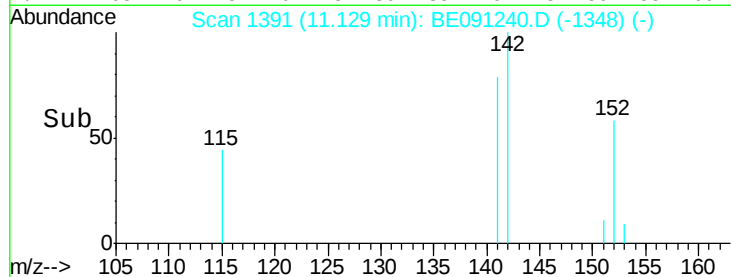
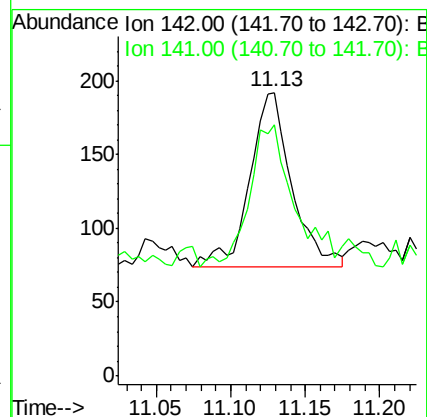
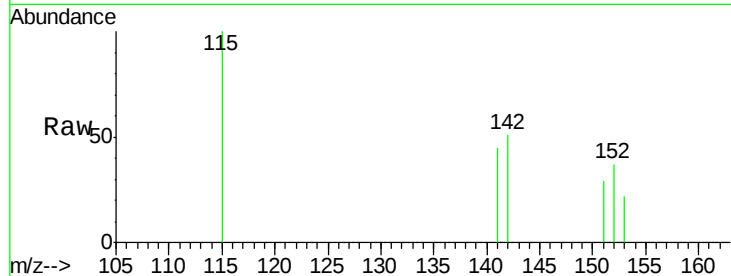
D9KL9

Tgt Ion:142 Resp: 232

Ion Ratio Lower Upper

142 100

141 78.0 70.3 105.5



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

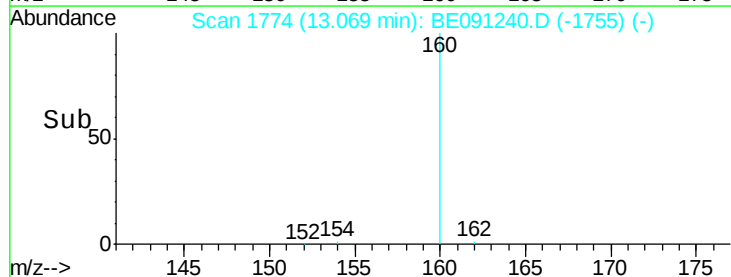
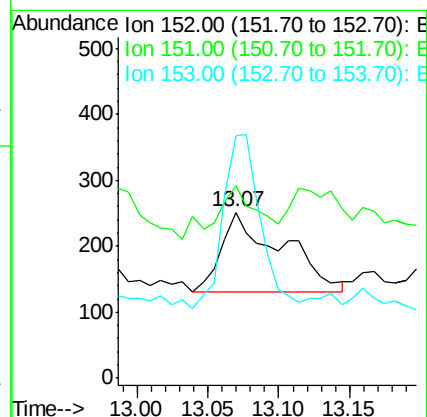
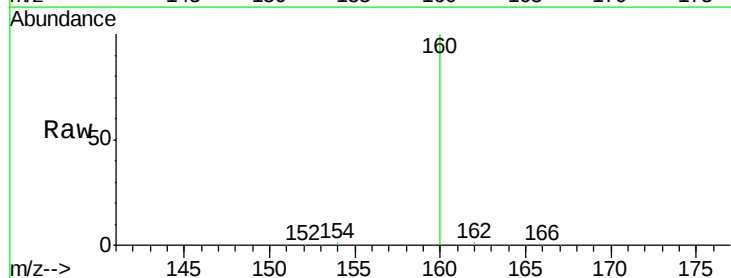
Tgt Ion:152 Resp: 359

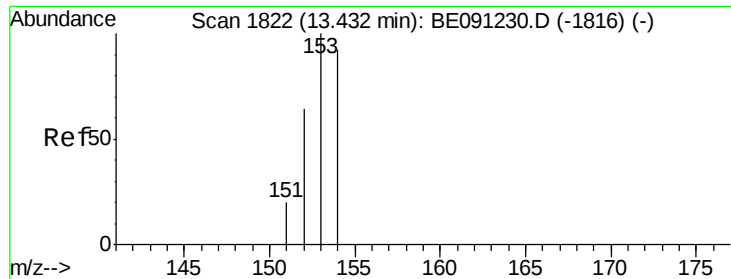
Ion Ratio Lower Upper

152 100

151 115.9 16.8 25.2#

153 145.6 11.3 16.9#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

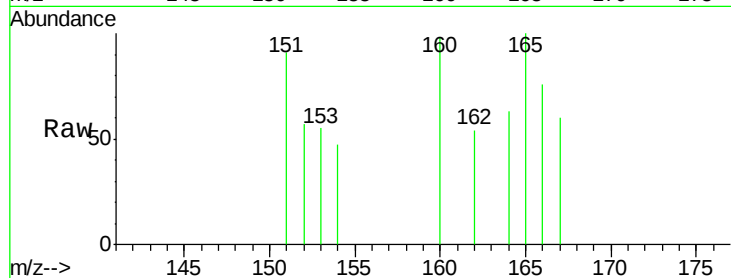
Tgt Ion:153 Resp: 146

Ion Ratio Lower Upper

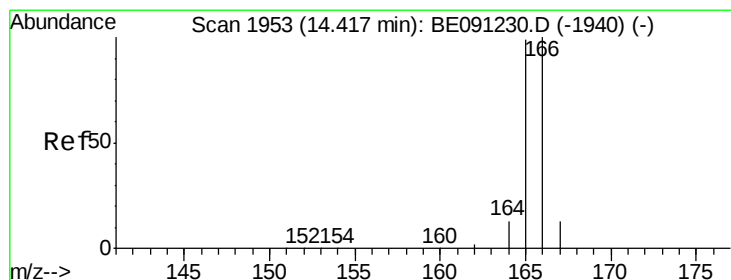
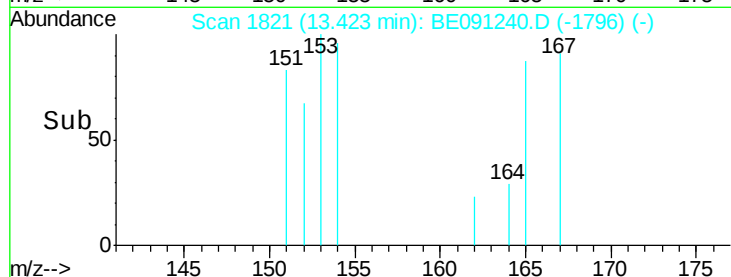
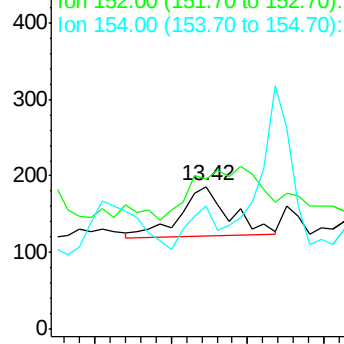
153 100

152 105.4 42.3 63.5#

154 86.6 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

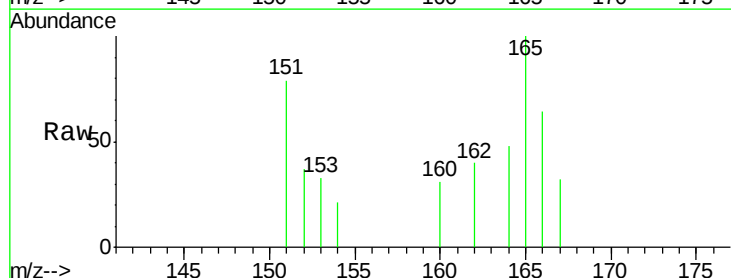
Tgt Ion:166 Resp: 475

Ion Ratio Lower Upper

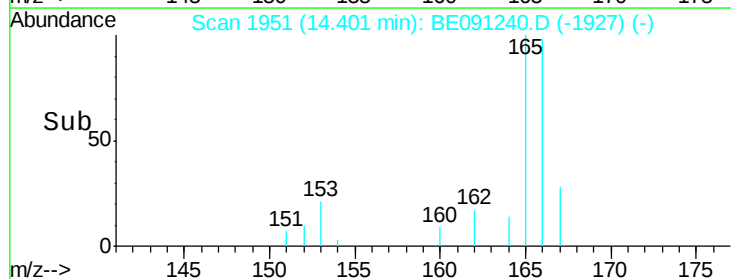
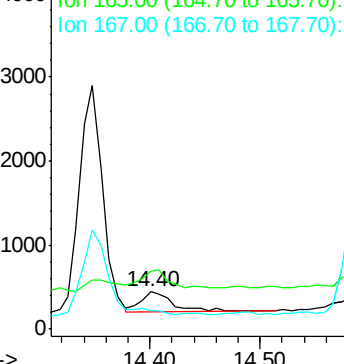
166 100

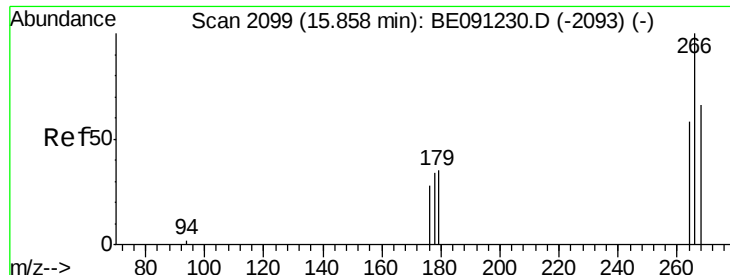
165 157.0 87.6 131.4#

167 50.2 11.1 16.7#



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

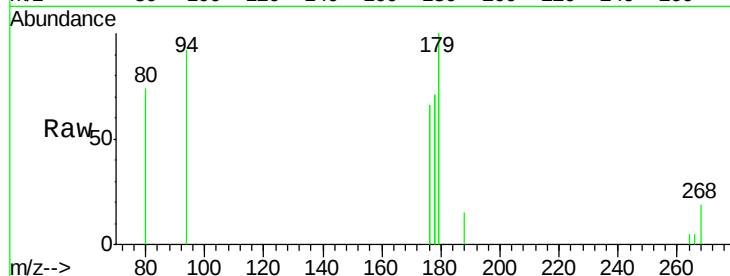




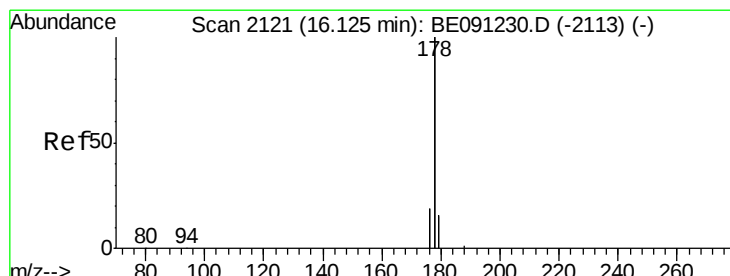
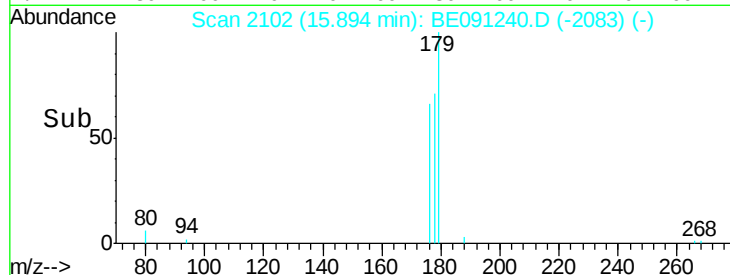
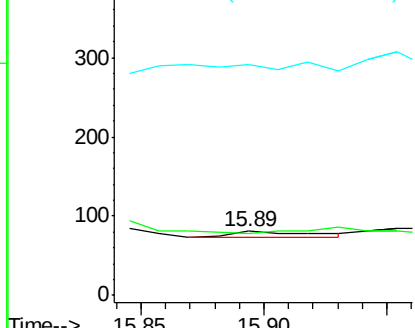
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.89 min Scan# 2102
 Delta R.T. 0.04 min
 Lab File: BE091240.D
 Acq: 18 Nov 2015 22:35

Instrument :
 BNA_E
 ClientSampleId :
 D9KL9

Tgt Ion: 266 Resp: 15
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#

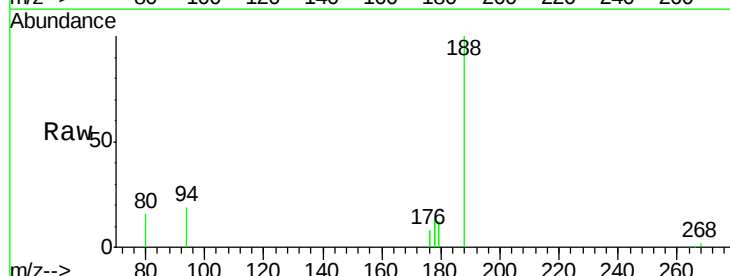


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

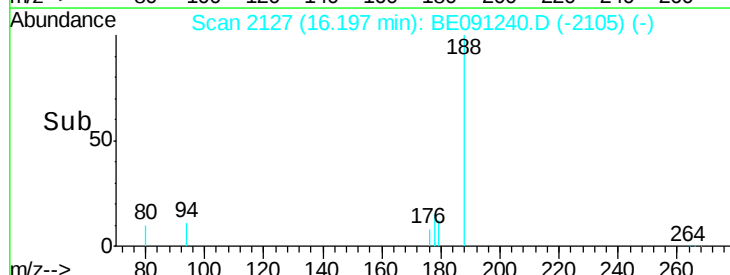
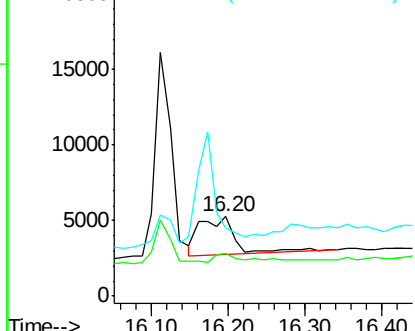


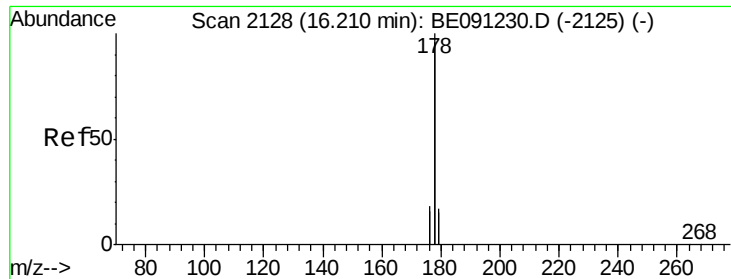
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.20 min Scan# 2127
 Delta R.T. 0.07 min
 Lab File: BE091240.D
 Acq: 18 Nov 2015 22:35

Tgt Ion: 178 Resp: 7744
 Ion Ratio Lower Upper
 178 100
 176 53.1 16.2 24.4#
 179 84.9 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





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

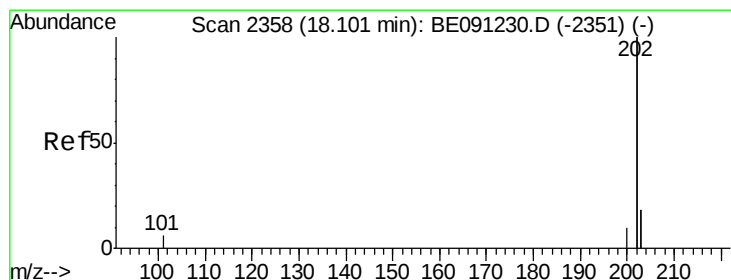
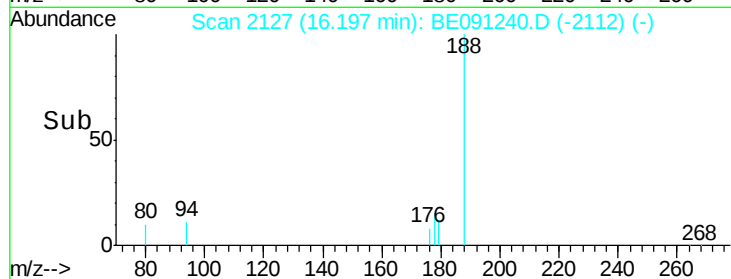
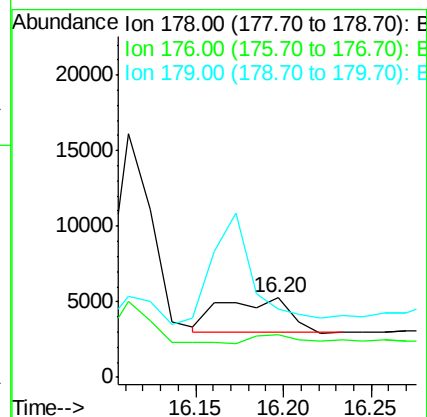
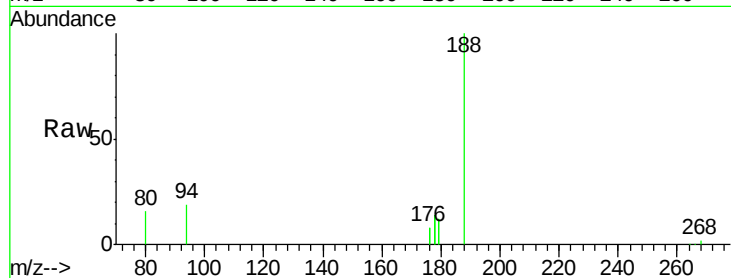
Tgt Ion:178 Resp: 6213

Ion Ratio Lower Upper

178 100

176 53.1 15.8 23.8#

179 84.9 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.26 min Scan# 2382

Delta R.T. 0.16 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

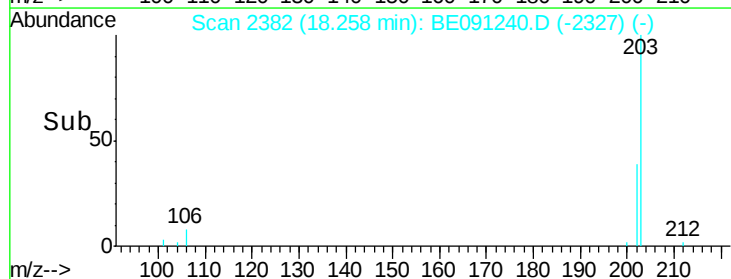
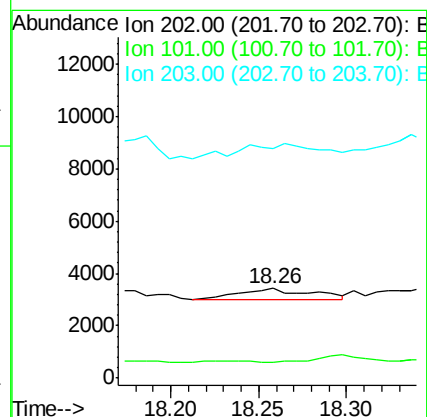
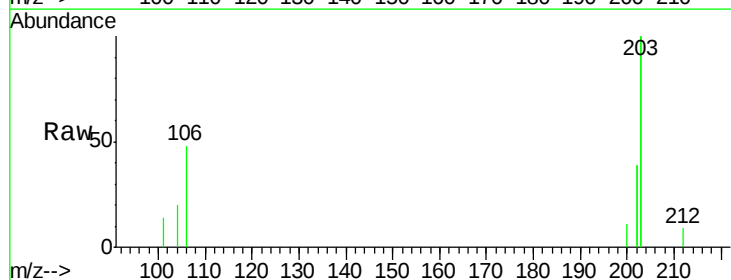
Tgt Ion:202 Resp: 1202

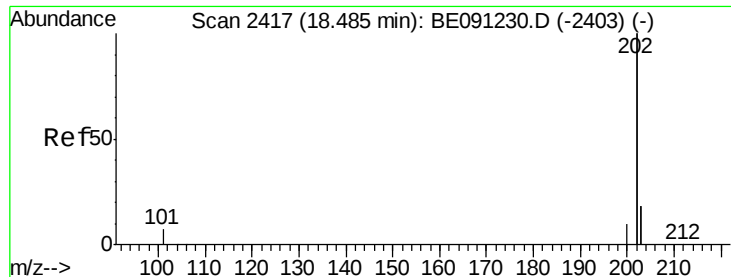
Ion Ratio Lower Upper

202 100

101 18.2 0.0 33.1

203 255.8 0.0 37.2#





#19

Pyrene

Concen: 0.04 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

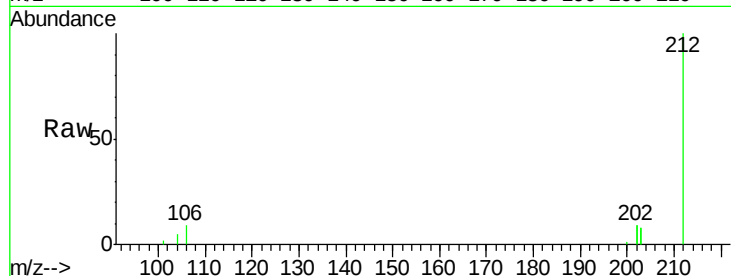
Tgt Ion:202 Resp: 33540

Ion Ratio Lower Upper

202 100

200 7.2 18.0 27.0#

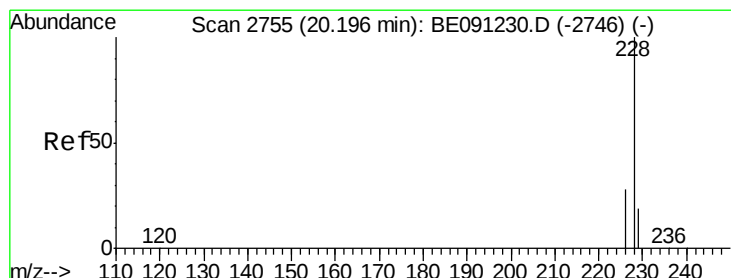
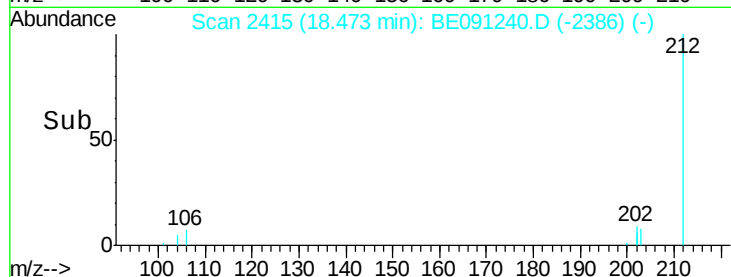
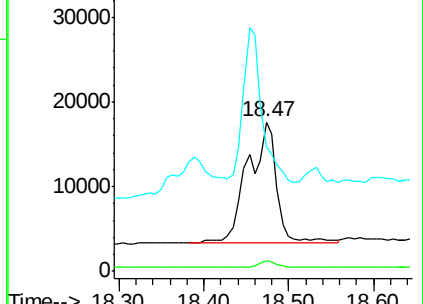
203 83.3 13.8 20.6#



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



#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

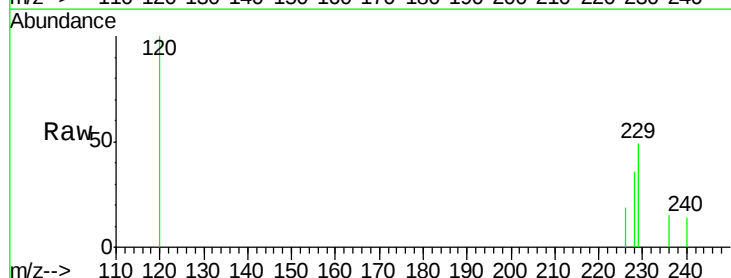
Tgt Ion:228 Resp: 1198

Ion Ratio Lower Upper

228 100

226 54.2 23.0 34.4#

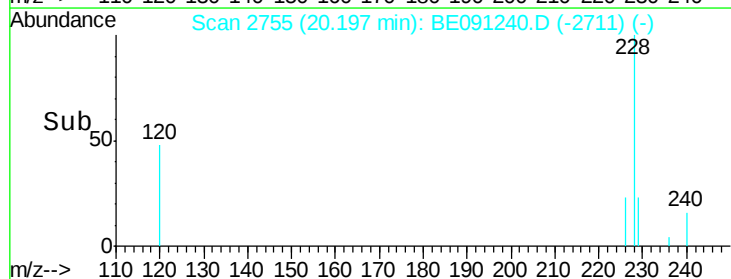
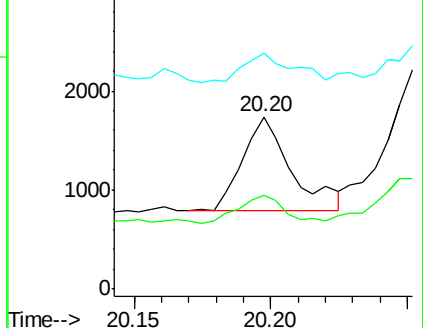
229 136.9 15.2 22.8#

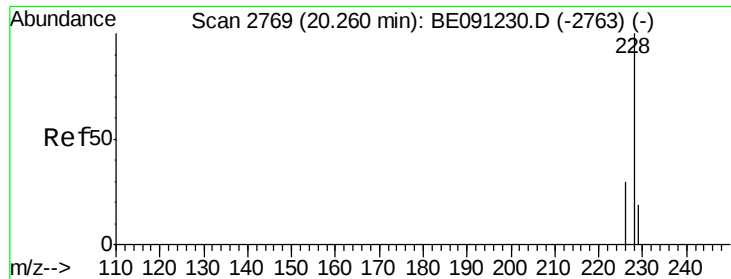


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.01 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

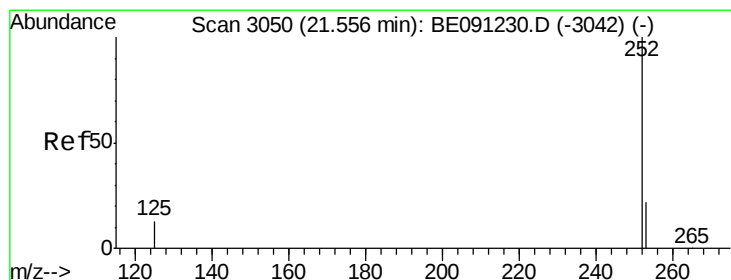
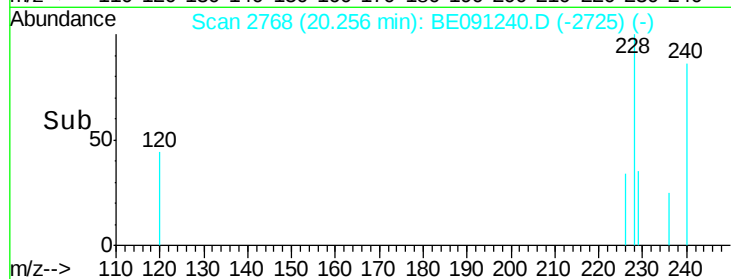
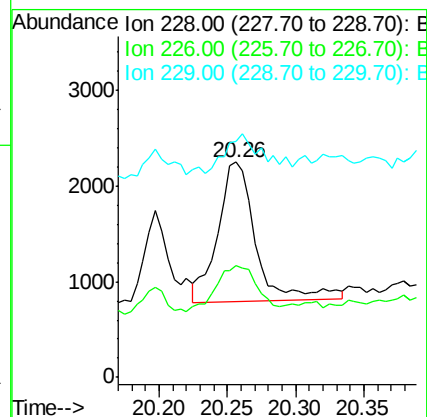
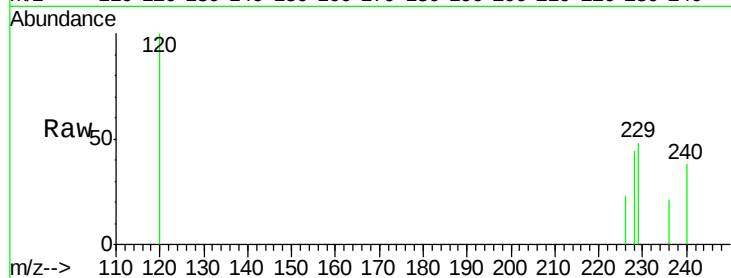
Tgt Ion:228 Resp: 2798

Ion Ratio Lower Upper

228 100

226 51.9 25.7 38.5#

229 109.8 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

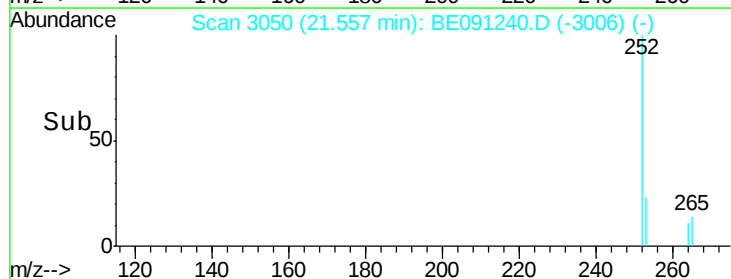
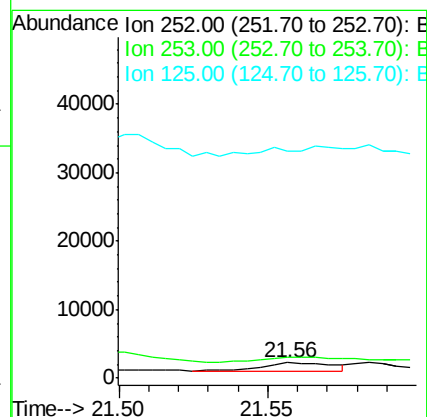
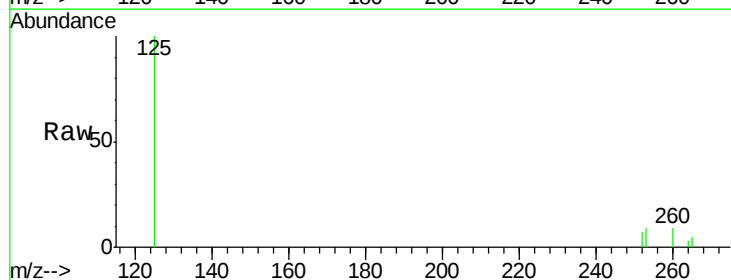
Tgt Ion:252 Resp: 1852

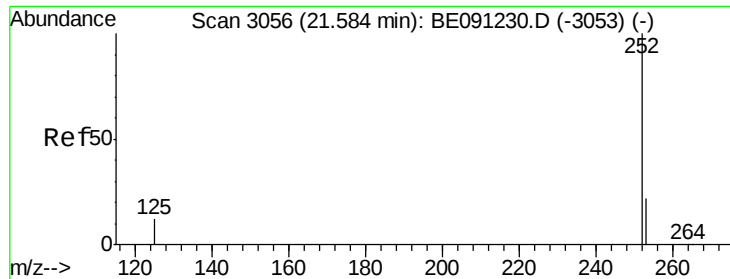
Ion Ratio Lower Upper

252 100

253 134.0 0.0 48.0#

125 1478.8 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

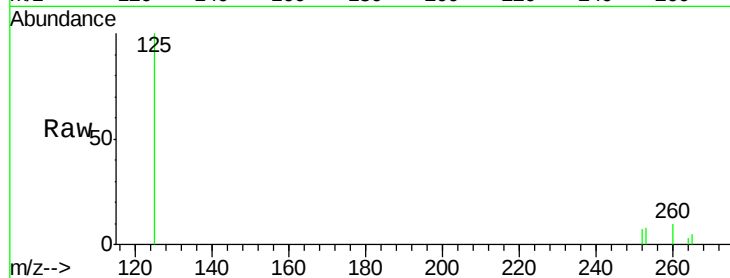
Tgt Ion:252 Resp: 1387

Ion Ratio Lower Upper

252 100

253 121.9 20.8 31.2#

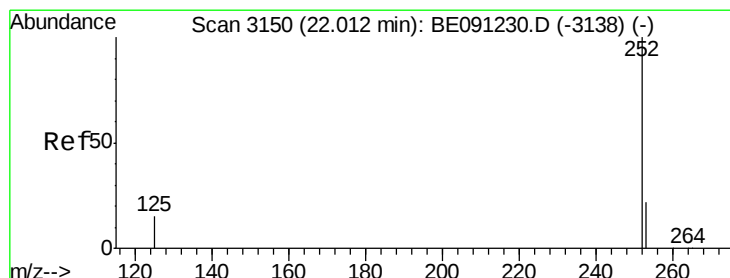
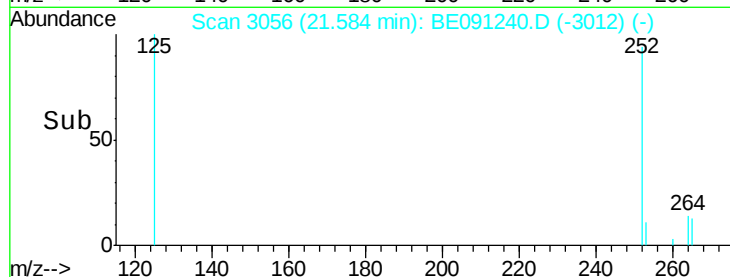
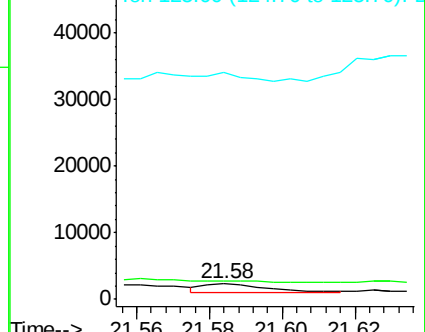
125 1498.3 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 21.99 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

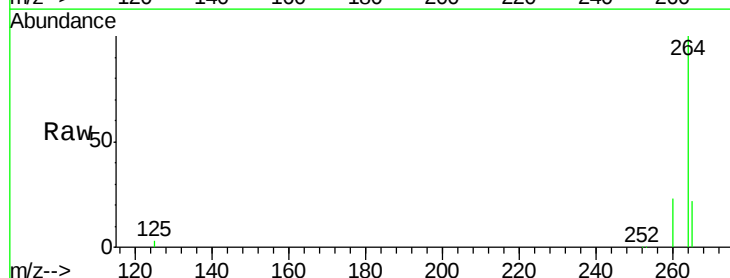
Tgt Ion:252 Resp: 8981

Ion Ratio Lower Upper

252 100

253 61.6 21.8 32.8#

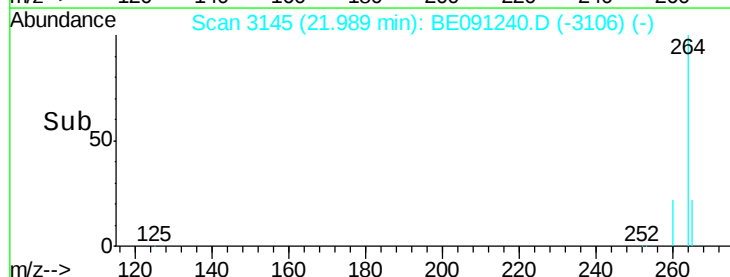
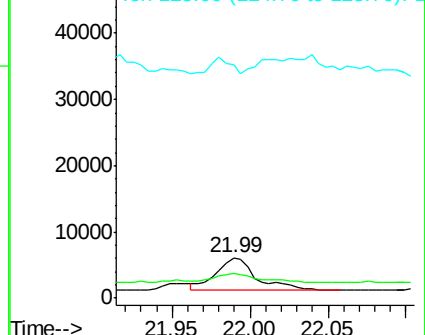
125 581.7 14.5 21.7#

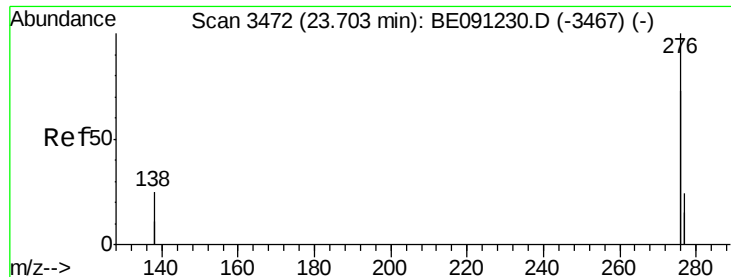


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 23.73 min Scan# 3476

Delta R.T. 0.03 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

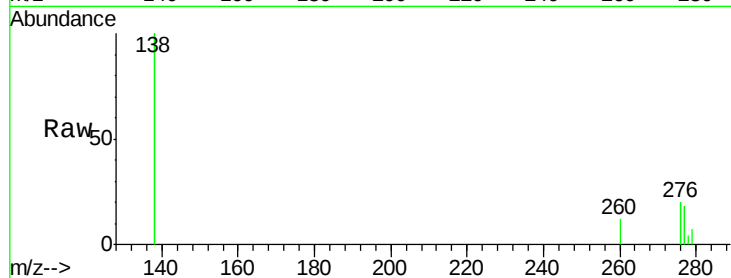
Tgt Ion:276 Resp: 5325

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

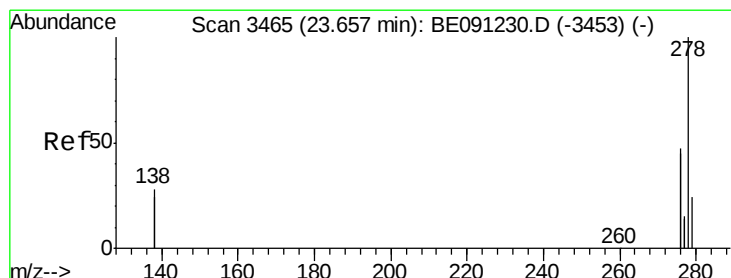
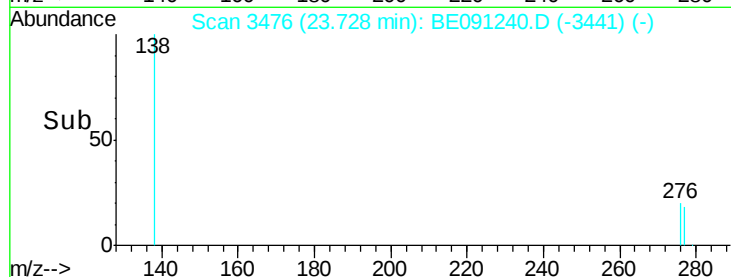
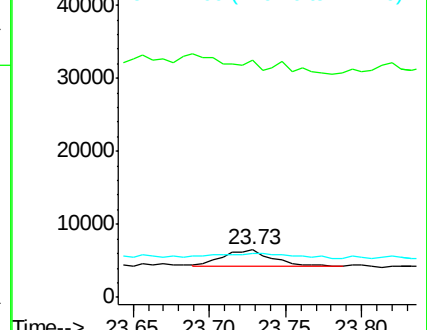
277 39.7 19.3 28.9#



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



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 23.68 min Scan# 3468

Delta R.T. 0.02 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

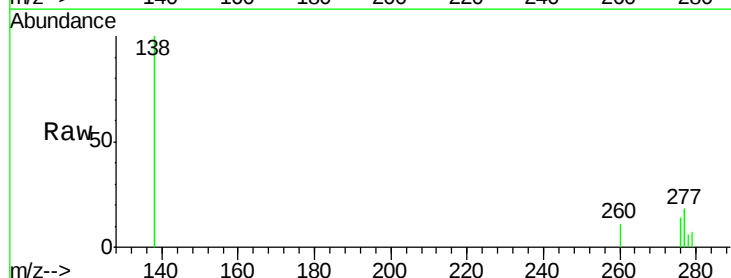
Tgt Ion:278 Resp: 543

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

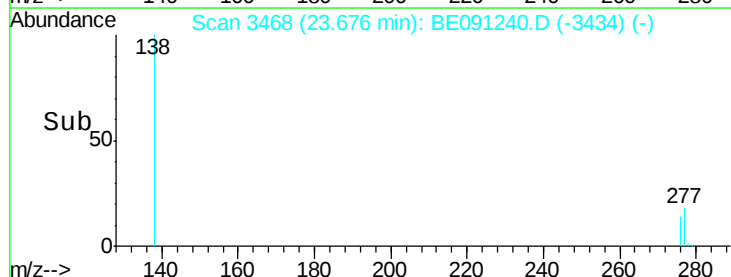
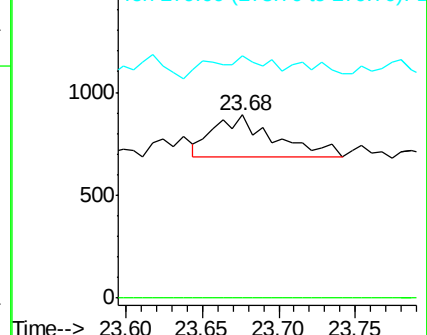
279 132.5 21.9 32.9#

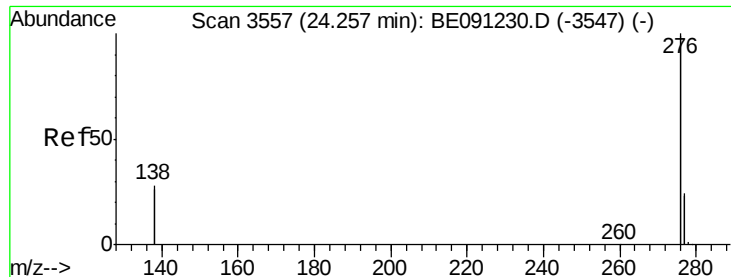


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 24.27 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BE091240.D

Acq: 18 Nov 2015 22:35

Instrument :

BNA_E

ClientSampleId :

D9KL9

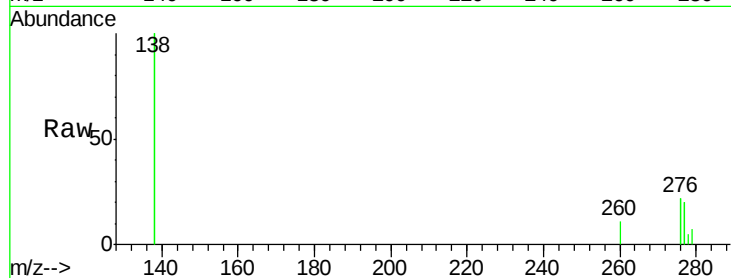
Tgt Ion: 276 Resp: 6743

Ion Ratio Lower Upper

276 100

277 91.0 21.3 31.9#

138 455.6 25.5 38.3#



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

