

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091234.D
 Acq On : 18 Nov 2015 18:57
 Operator : UM/NP
 Sample : G4309-12RE
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KQ3RE

Quant Time: Nov 19 06:04:37 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	2341	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.56	136	11601	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	5445	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1166913	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	17226	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1677272	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.99	96	14381	8.54	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	3978	0.25	ng/ul	0.01
16) Fluoranthene-d10	18.07	212	14687	0.00	ng/ul	0.00

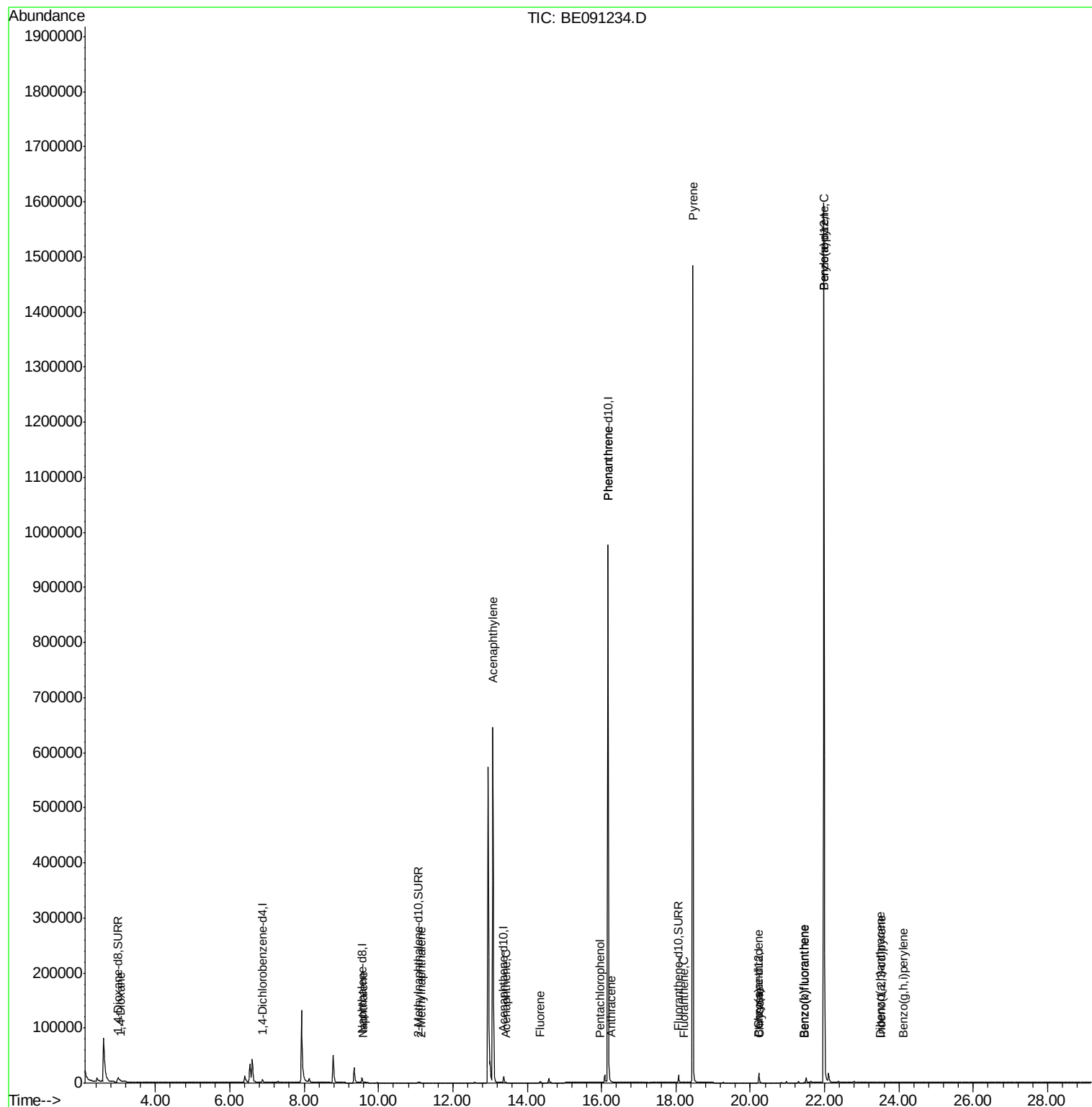
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.06	88	222	0.12	ng/ul#	24
5) Naphthalene	9.60	128	303	0.01	ng/ul#	24
7) 2-Methylnaphthalene	11.15	142	43	0.00	ng/ul#	79
9) Acenaphthylene	13.08	152	124	0.00	ng/ul#	1
10) Acenaphthene	13.43	153	24	0.00	ng/ul#	67
11) Fluorene	14.35	166	2040	0.09	ng/ul#	11
13) Pentachlorophenol	15.97	266	6	0.00	ng/ul#	27
14) Phenanthrene	16.17	178	2720	0.00	ng/ul#	1
15) Anthracene	16.26	178	116	0.00	ng/ul#	1
17) Fluoranthene	18.21	202	36	0.00	ng/ul#	1
19) Pyrene	18.45	202	10650	0.05	ng/ul#	1
20) Benzo(a)anthracene	20.21	228	54	0.00	ng/ul#	1
21) Chrysene	20.27	228	119	0.00	ng/ul#	17
23) Benzo(b)fluoranthene	21.45	252	21	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.47	252	10	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6383	0.00	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	23.53	276	51	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.50	278	33	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.12	276	23	0.00	ng/ul#	1

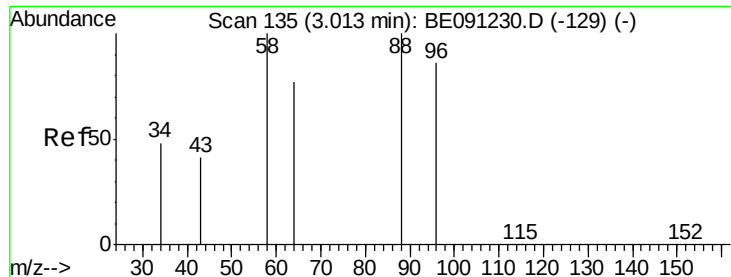
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.12 ng/ul

RT: 3.06 min Scan# 142

Delta R.T. 0.05 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

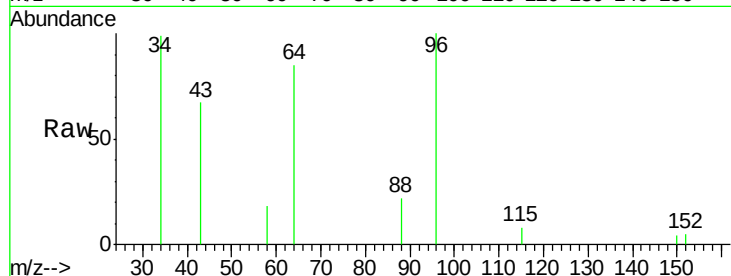
Tgt Ion: 88 Resp: 222

Ion Ratio Lower Upper

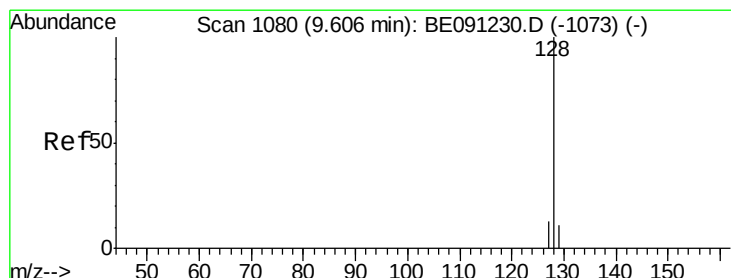
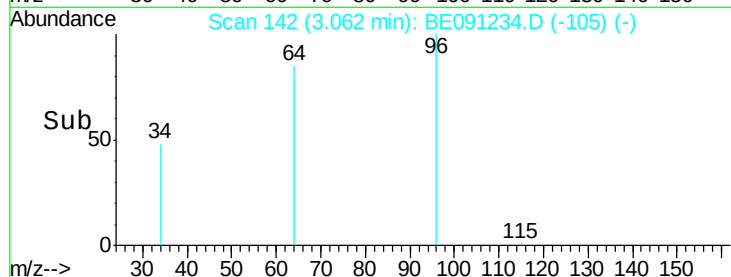
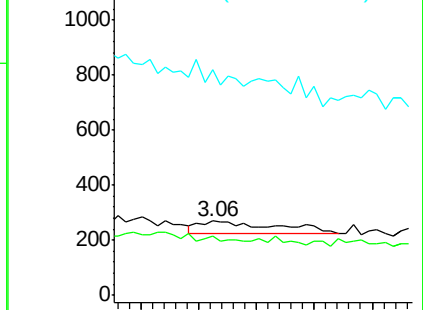
88 100

58 0.0 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: 0.01 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

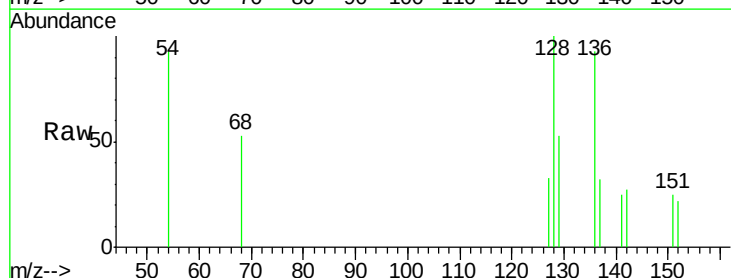
Tgt Ion: 128 Resp: 303

Ion Ratio Lower Upper

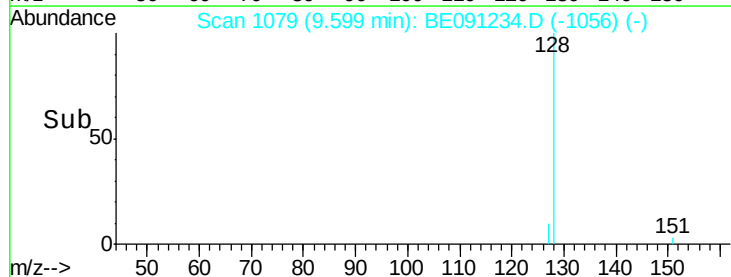
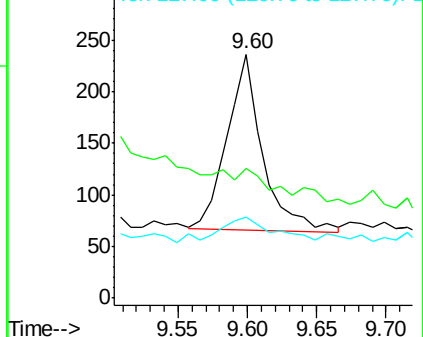
128 100

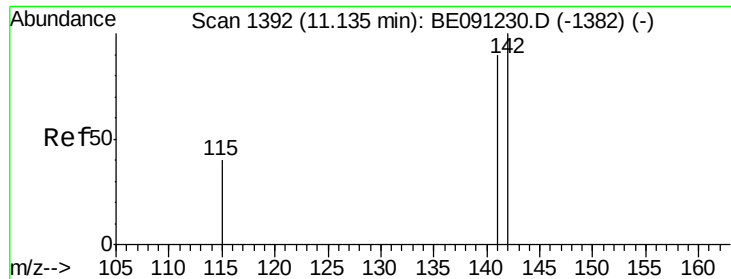
129 53.0 9.8 14.8#

127 33.5 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: 11.15 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

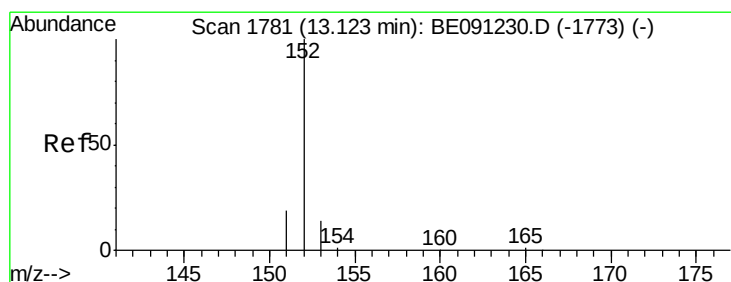
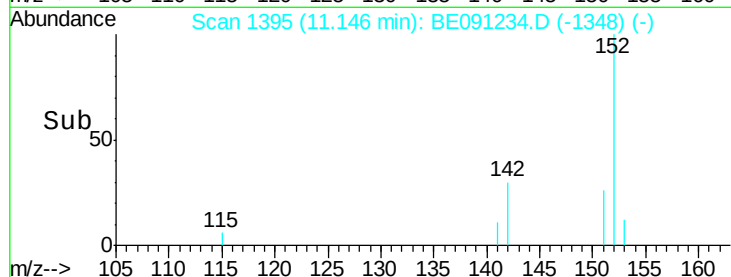
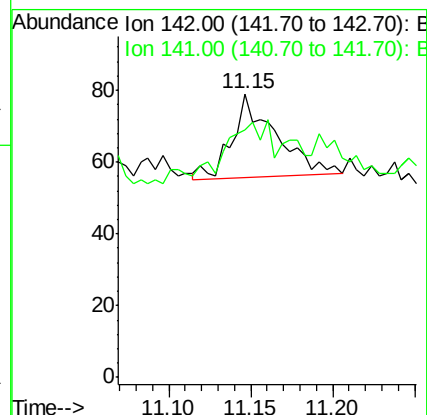
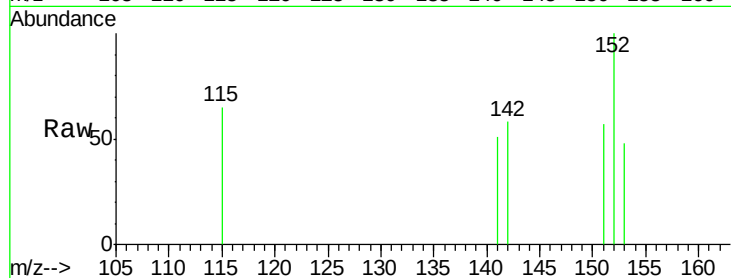
D9KQ3RE

Tgt Ion:142 Resp: 43

Ion Ratio Lower Upper

142 100

141 107.0 70.3 105.5#



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.05 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

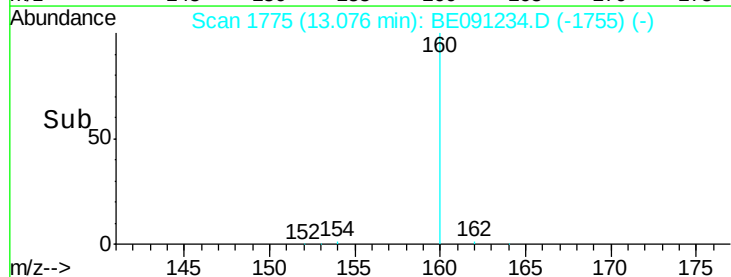
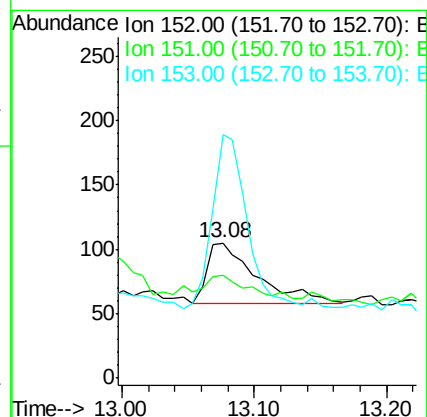
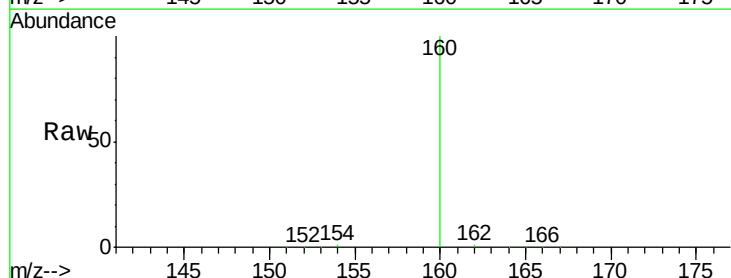
Tgt Ion:152 Resp: 124

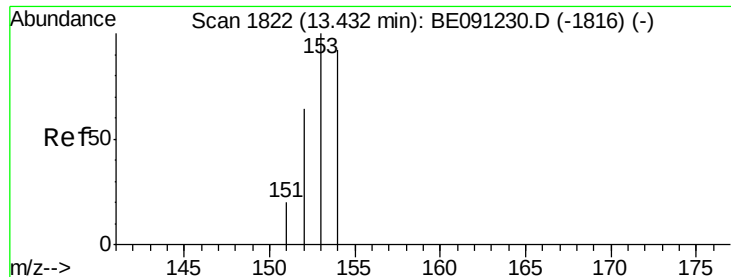
Ion Ratio Lower Upper

152 100

151 76.2 16.8 25.2#

153 180.0 11.3 16.9#





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

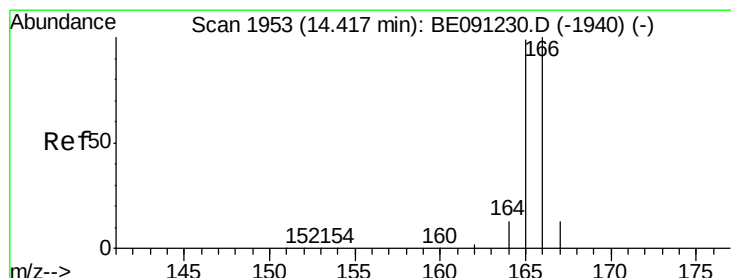
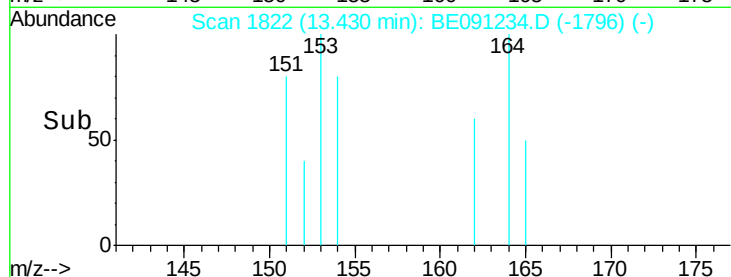
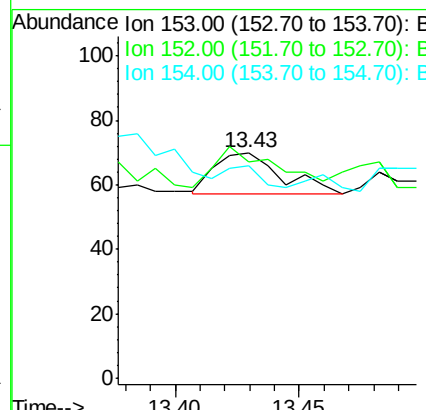
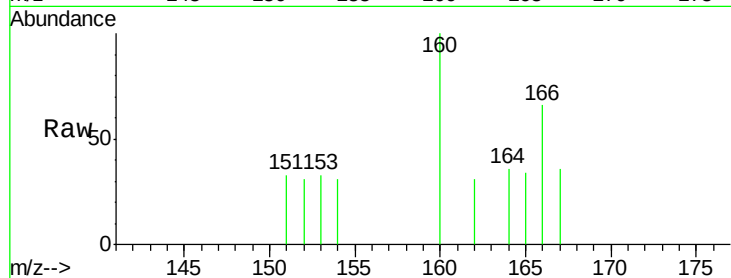
Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

Tgt Ion:	153	Resp:	24
Ion	Ratio	Lower	Upper
153	100		
152	95.7	42.3	63.5#
154	94.3	64.7	97.1



#11

Fluorene

Concen: 0.09 ng/ul

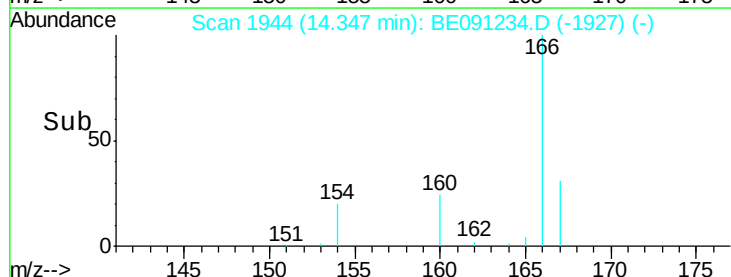
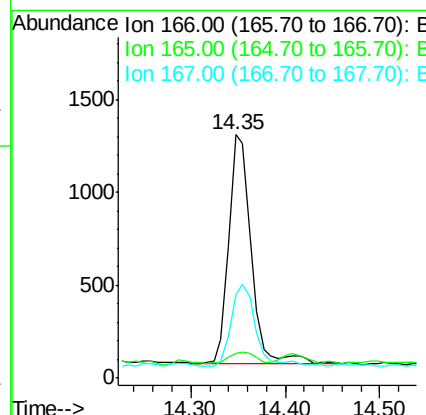
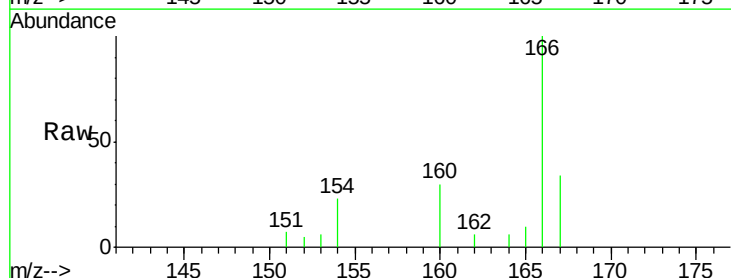
RT: 14.35 min Scan# 1944

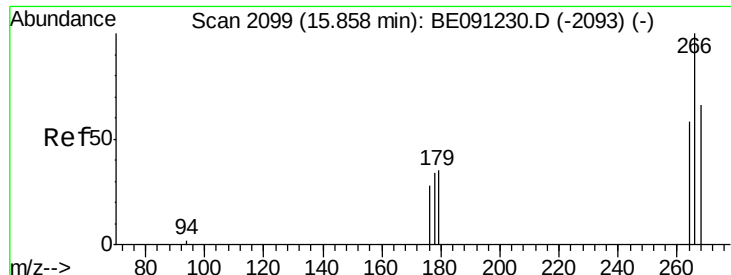
Delta R.T. -0.07 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Tgt Ion:	166	Resp:	2040
Ion	Ratio	Lower	Upper
166	100		
165	10.2	87.6	131.4#
167	34.2	11.1	16.7#

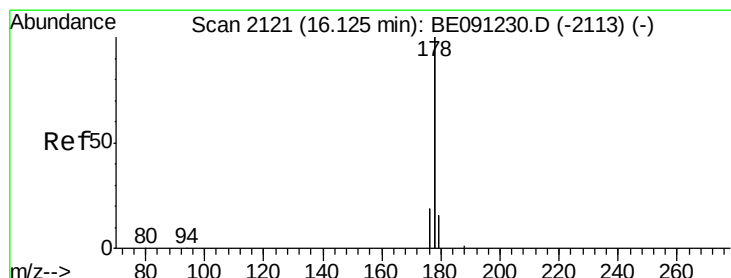
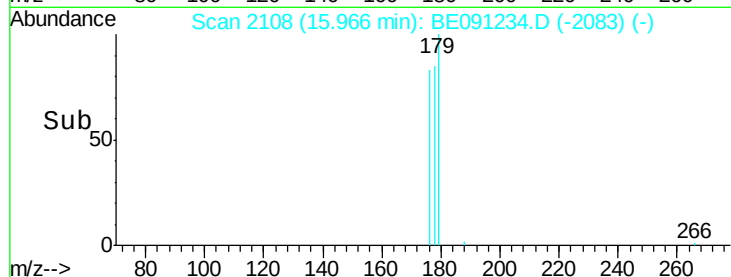
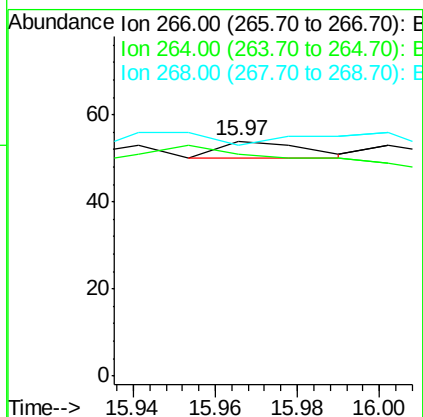
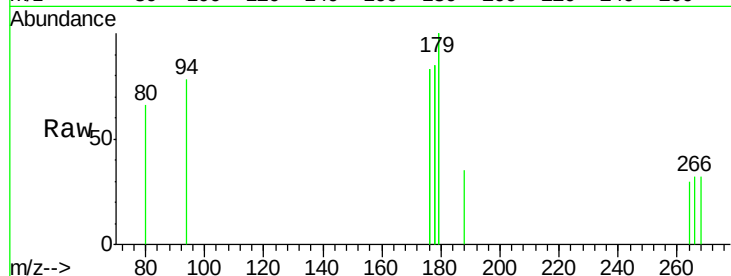




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.97 min Scan# 2108
 Delta R.T. 0.11 min
 Lab File: BE091234.D
 Acq: 18 Nov 2015 18:57

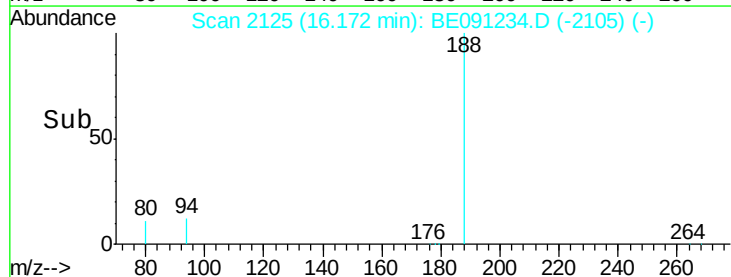
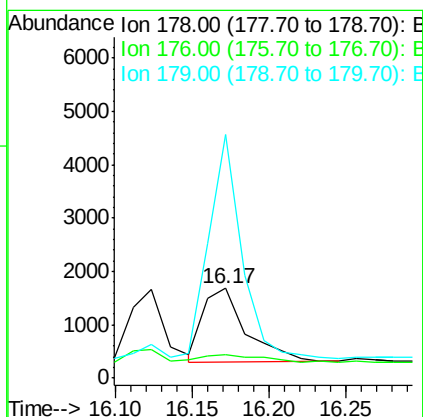
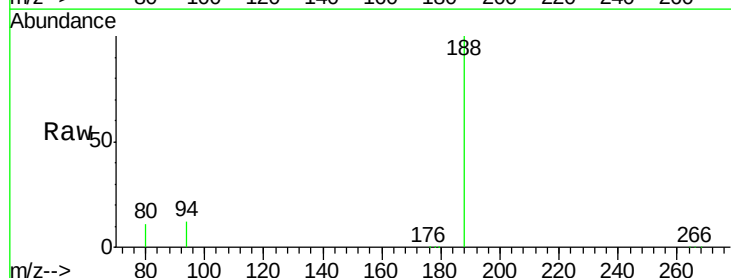
Instrument :
 BNA_E
 ClientSampleId :
 D9KQ3RE

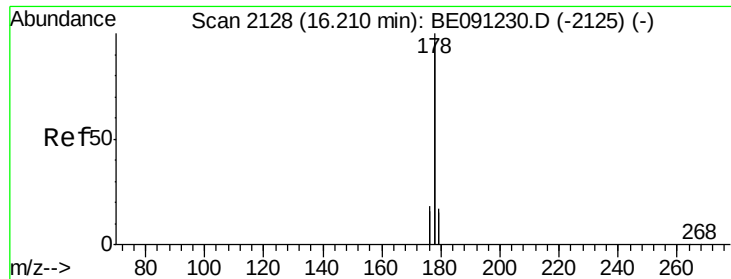
Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 116.7 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091234.D
 Acq: 18 Nov 2015 18:57

Tgt Ion: 178 Resp: 2720
 Ion Ratio Lower Upper
 178 100
 176 25.4 16.2 24.4#
 179 271.3 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.26 min Scan# 2132

Delta R.T. 0.05 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

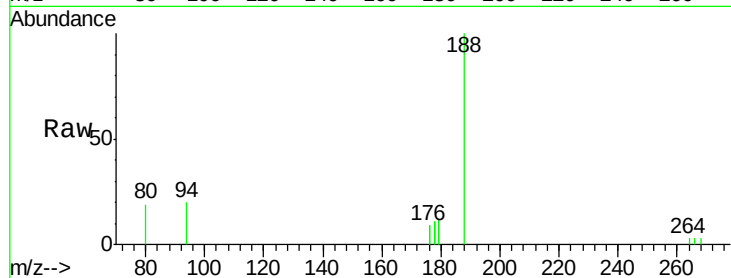
Tgt Ion:178 Resp: 116

Ion Ratio Lower Upper

178 100

176 85.6 15.8 23.8#

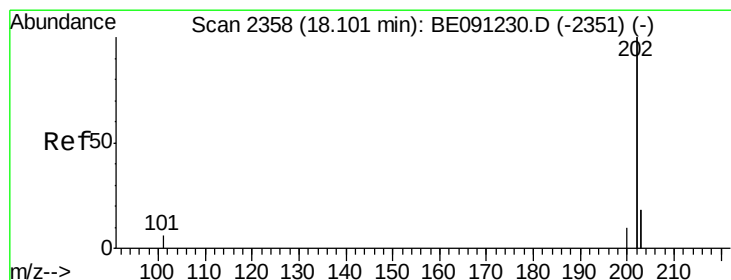
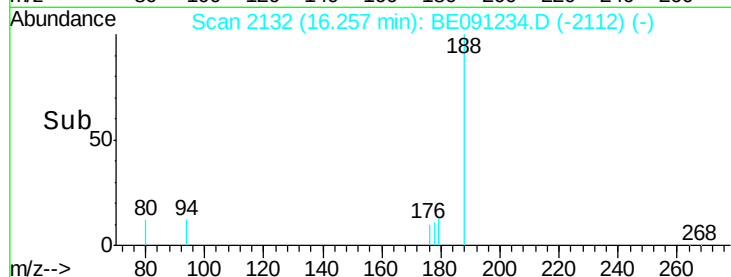
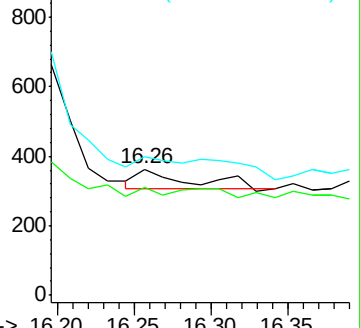
179 109.9 13.3 19.9#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.21 min Scan# 2375

Delta R.T. 0.11 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

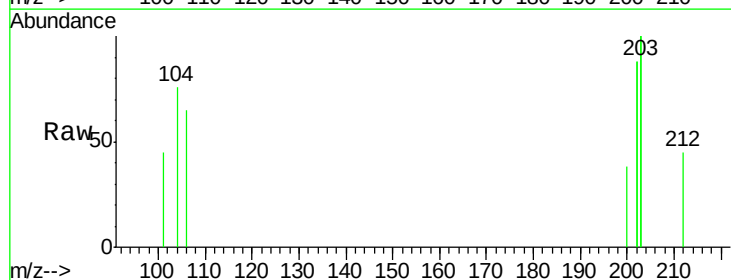
Tgt Ion:202 Resp: 36

Ion Ratio Lower Upper

202 100

101 25.4 0.0 33.1

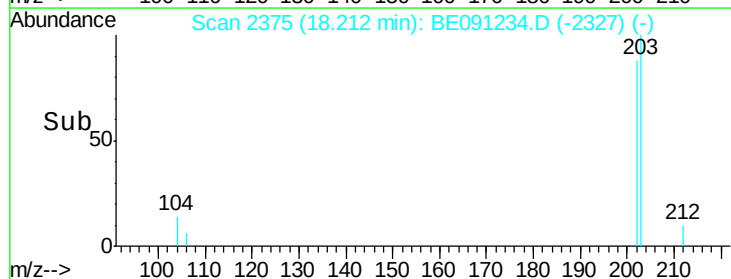
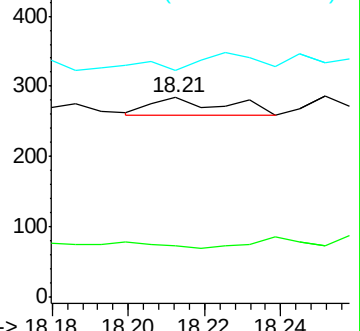
203 113.4 0.0 37.2#

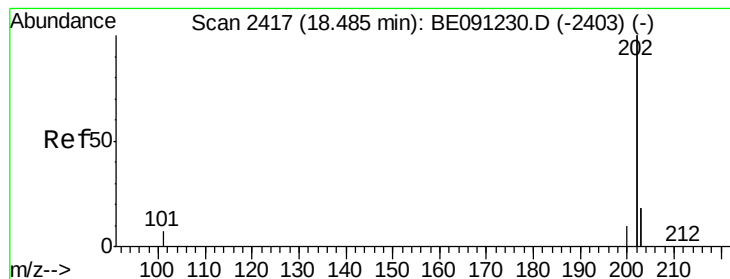


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.05 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

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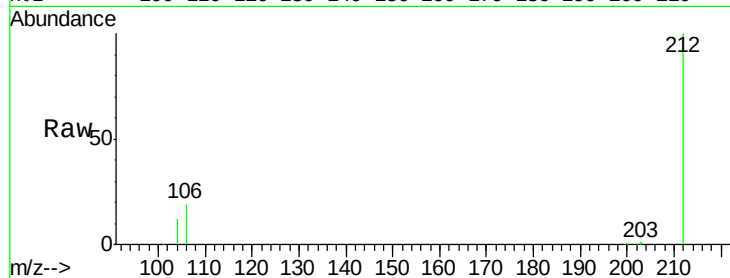
Tgt Ion:202 Resp: 10650

Ion Ratio Lower Upper

202 100

200 2.0 18.0 27.0#

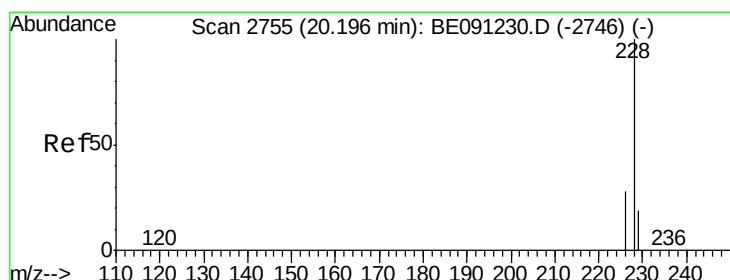
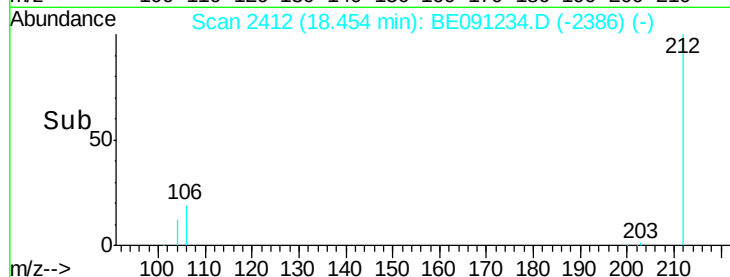
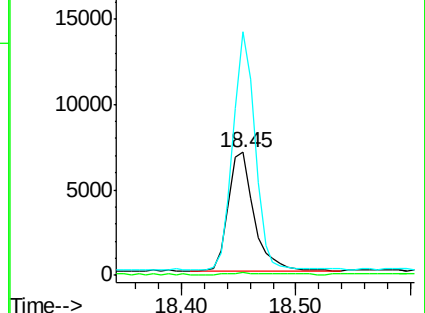
203 198.4 13.8 20.6#



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: 0.00 ng/ul

RT: 20.21 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

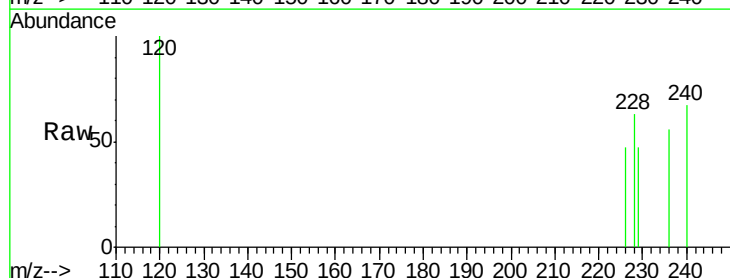
Tgt Ion:228 Resp: 54

Ion Ratio Lower Upper

228 100

226 75.0 23.0 34.4#

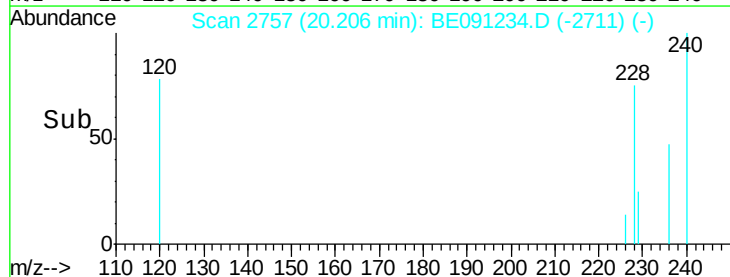
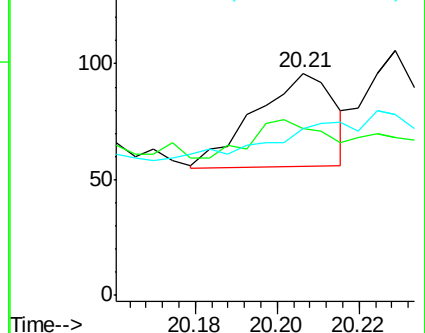
229 75.0 15.2 22.8#

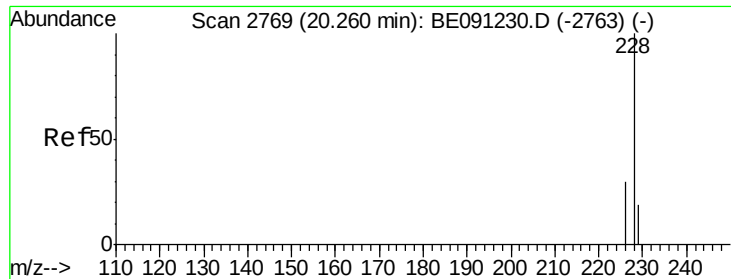


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

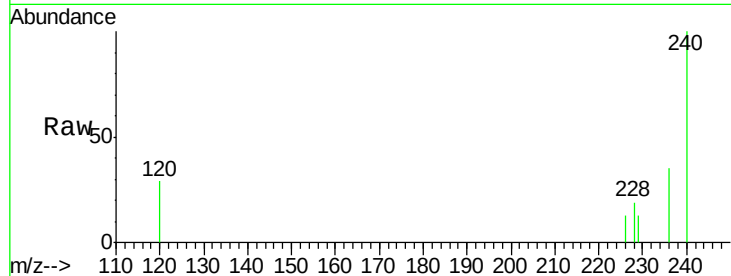
Tgt Ion:228 Resp: 119

Ion Ratio Lower Upper

228 100

226 69.7 25.7 38.5#

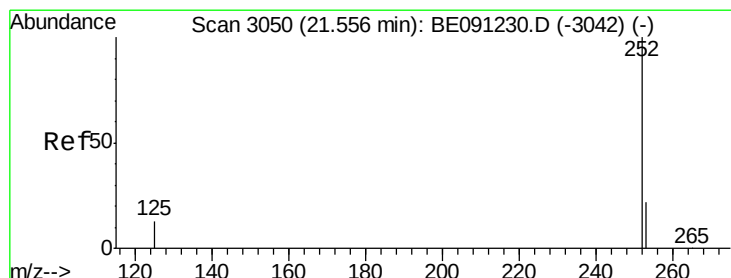
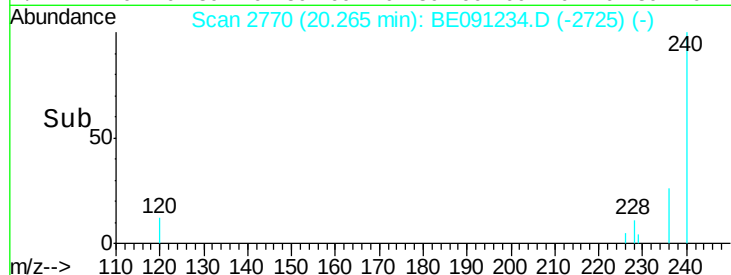
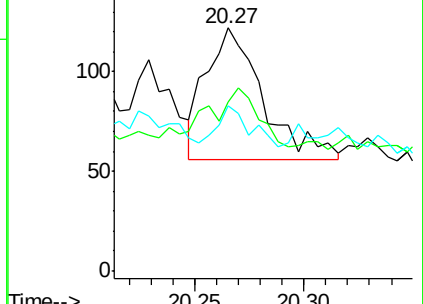
229 68.0 15.2 22.8#



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.45 min Scan# 3026

Delta R.T. -0.11 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

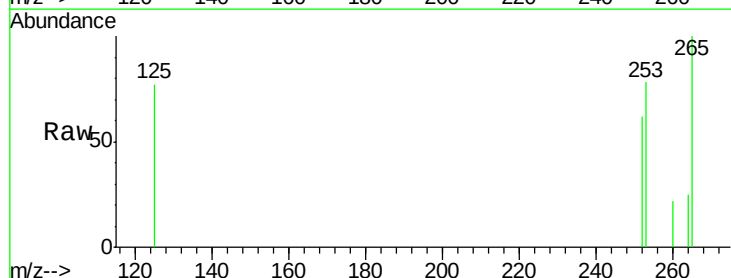
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 126.3 0.0 48.0#

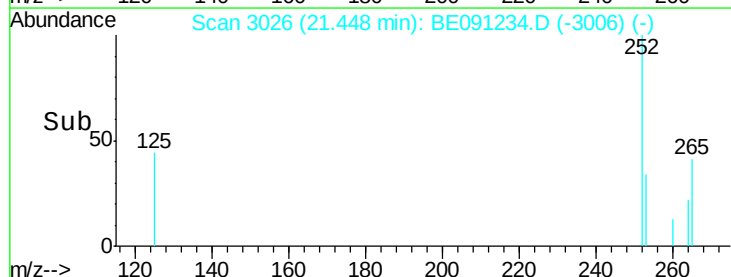
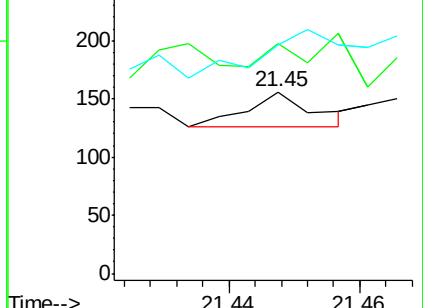
125 125.6 0.0 36.6#

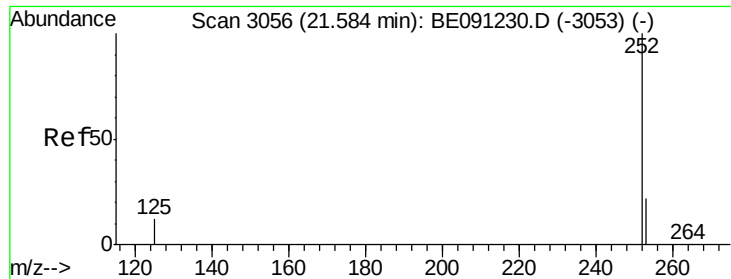


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.47 min Scan# 3030

Delta R.T. -0.12 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

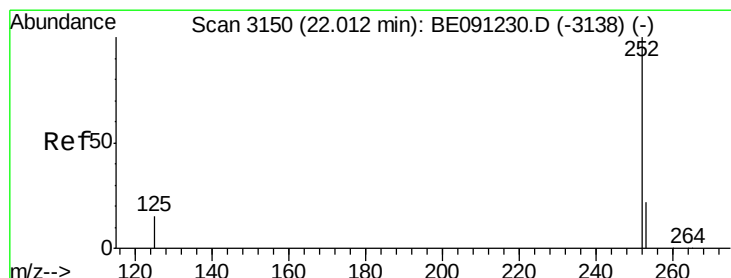
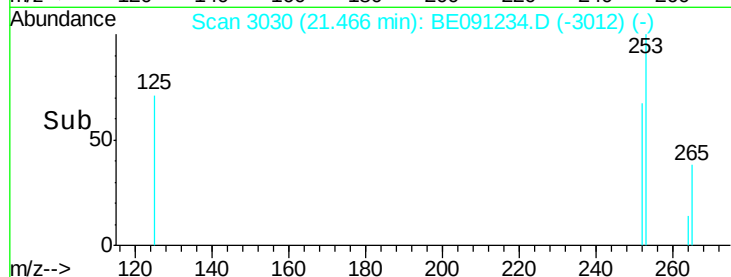
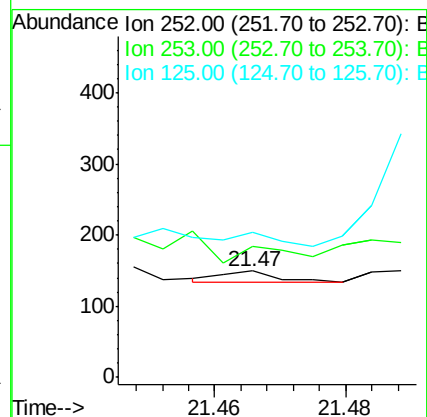
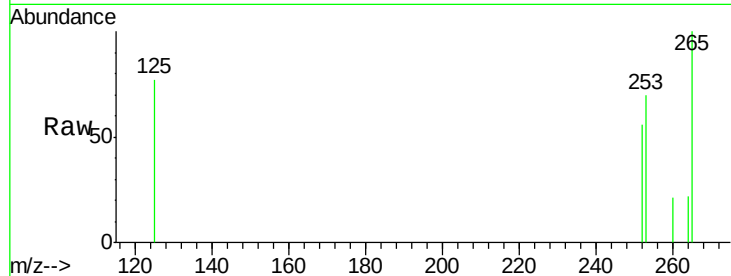
Tgt Ion:252 Resp: 10

Ion Ratio Lower Upper

252 100

253 123.3 20.8 31.2#

125 136.0 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

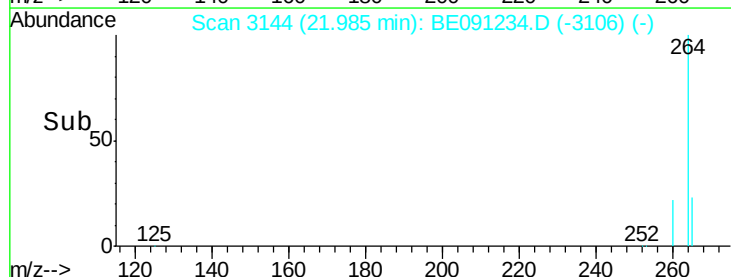
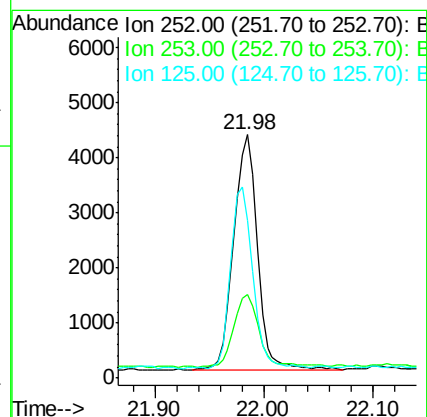
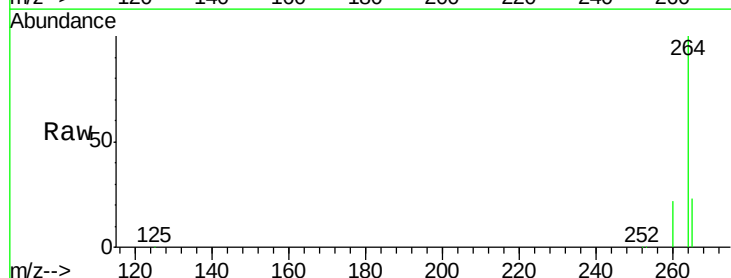
Tgt Ion:252 Resp: 6383

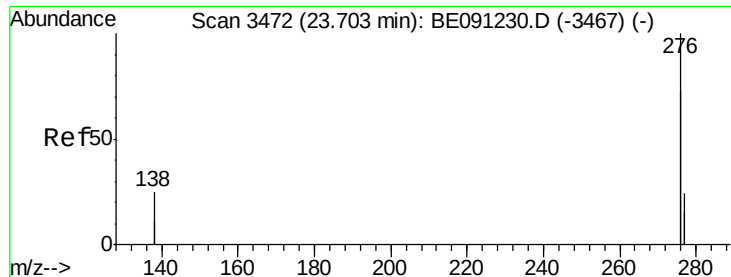
Ion Ratio Lower Upper

252 100

253 34.5 21.8 32.8#

125 64.8 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.53 min Scan# 3445

Delta R.T. -0.18 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE

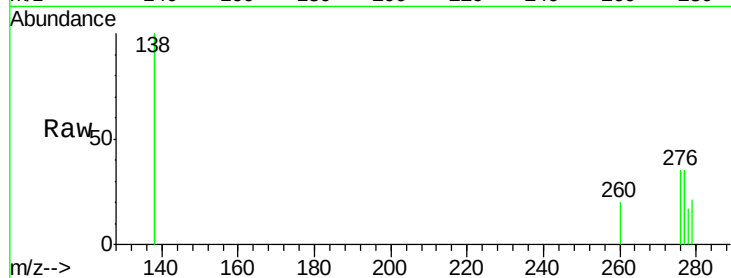
Tgt Ion:276 Resp: 51

Ion Ratio Lower Upper

276 100

138 158.8 27.5 41.3#

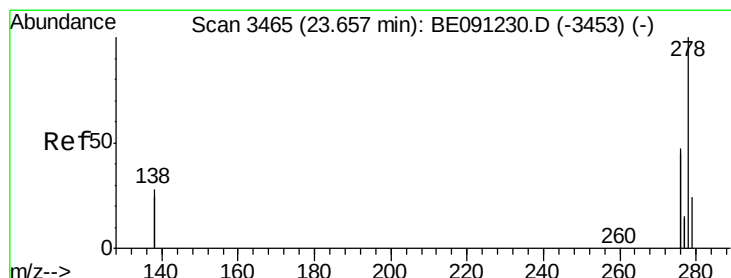
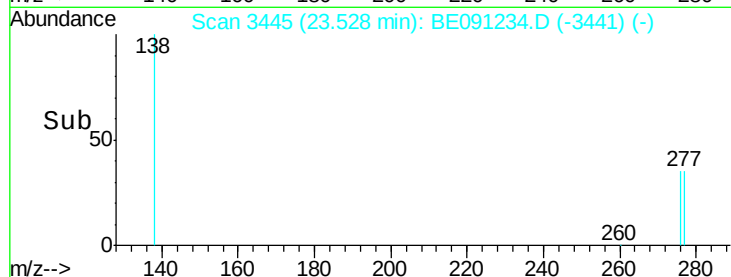
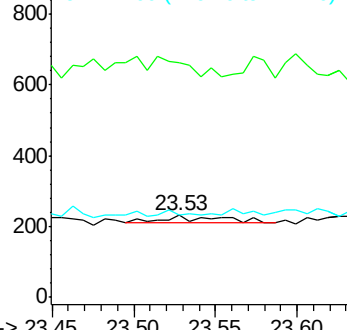
277 27.5 19.3 28.9



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: 23.50 min Scan# 3441

Delta R.T. -0.16 min

Lab File: BE091234.D

Acq: 18 Nov 2015 18:57

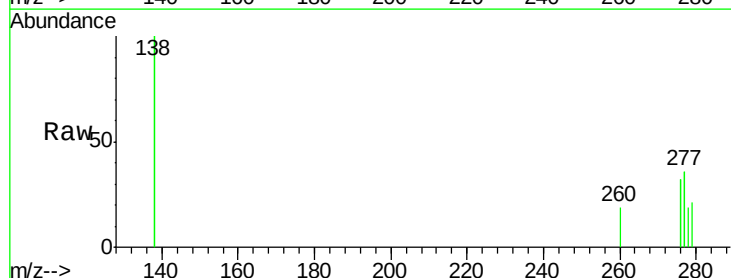
Tgt Ion:278 Resp: 33

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

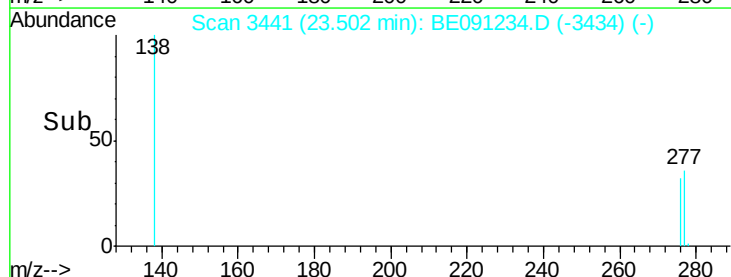
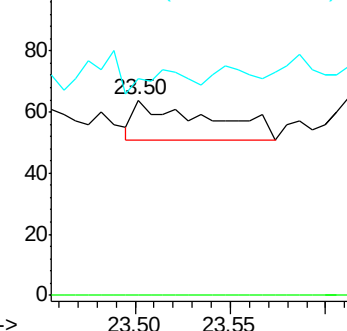
279 110.9 21.9 32.9#

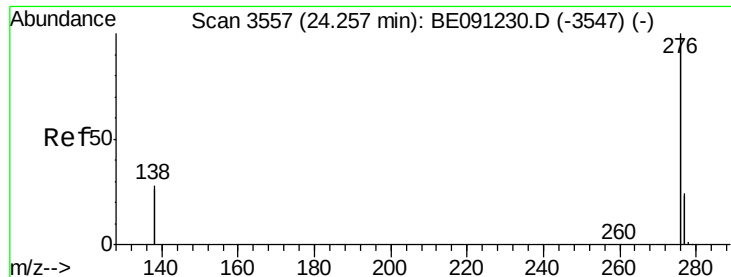


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.12 min Scan# 3536

Delta R.T. -0.14 min

Lab File: BE091234.D

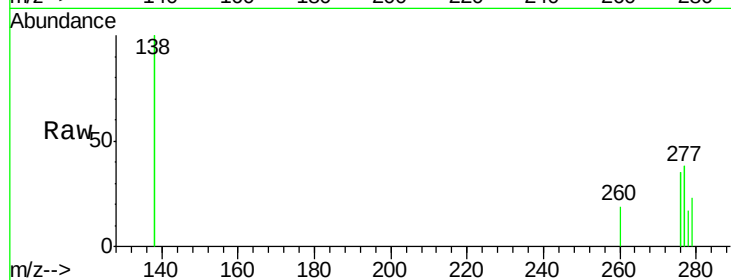
Acq: 18 Nov 2015 18:57

Instrument :

BNA_E

ClientSampleId :

D9KQ3RE



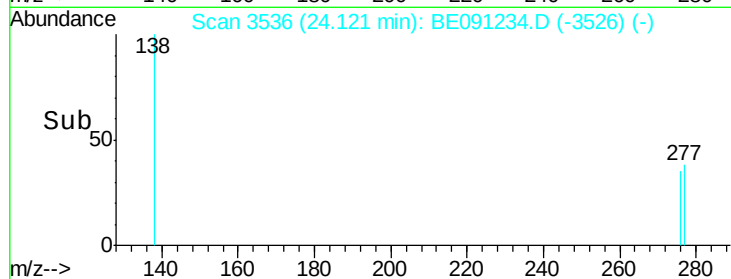
Tgt Ion: 276 Resp: 23

Ion Ratio Lower Upper

276 100

277 108.0 21.3 31.9#

138 284.1 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

