

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091235.D
 Acq On : 18 Nov 2015 19:33
 Operator : UM/NP
 Sample : G4309-17RE
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KT0RE

Quant Time: Nov 19 06:05:01 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	2438	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	12115	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6699	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1284610	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	23571	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1550967	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.98	96	16305	9.30	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.07	152	5137	0.31	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	18567	0.01	ng/ul	0.00

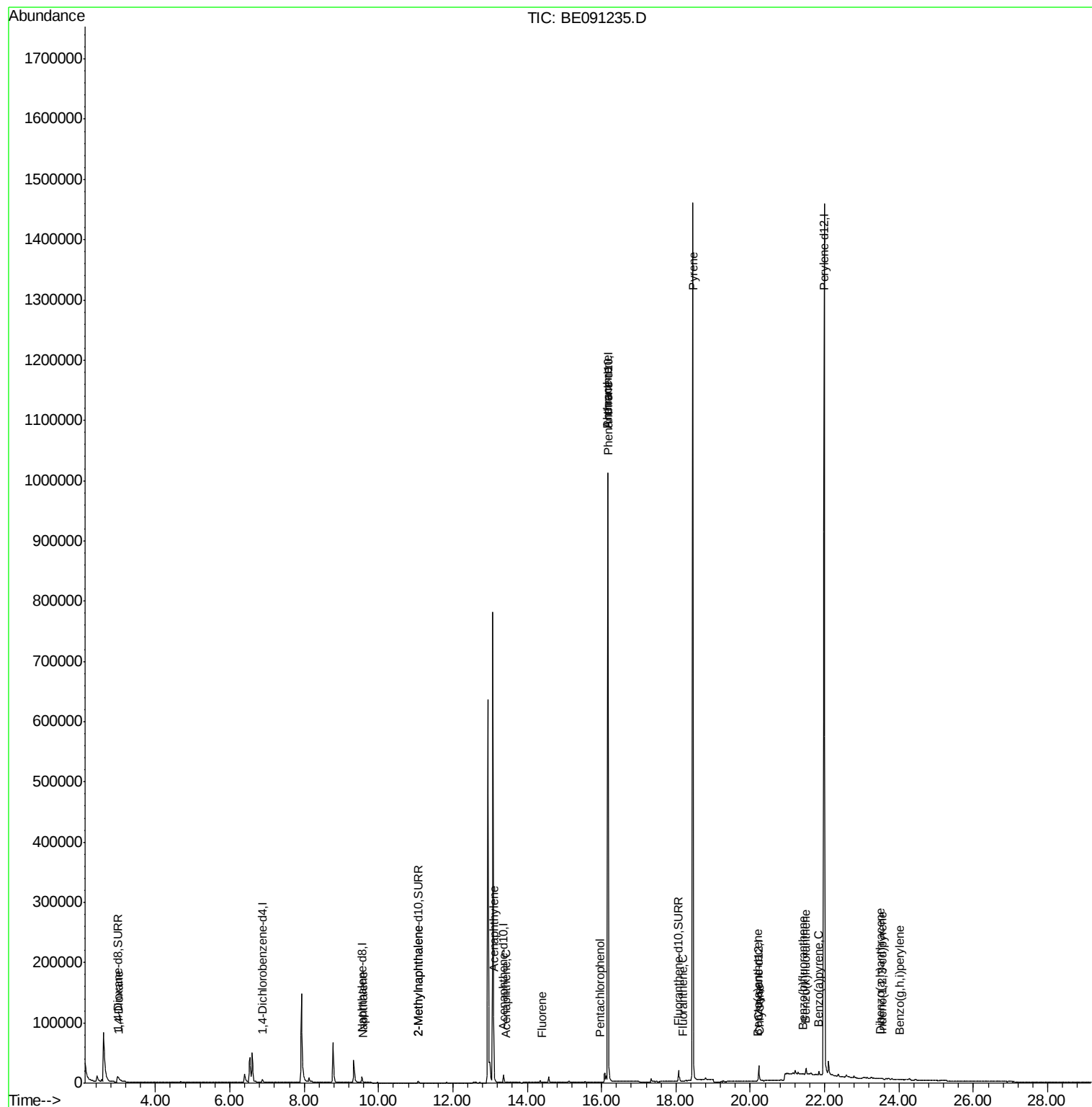
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.02	88	83	0.04	ng/ul#	62
5) Naphthalene	9.60	128	666	0.02	ng/ul#	59
7) 2-Methylnaphthalene	11.07	142	7	0.00	ng/ul	87
9) Acenaphthylene	13.11	152	158	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	97	0.00	ng/ul#	75
11) Fluorene	14.41	166	238	0.01	ng/ul#	89
13) Pentachlorophenol	15.95	266	6	0.00	ng/ul#	1
14) Phenanthrene	16.16	178	4525	0.00	ng/ul#	1
15) Anthracene	16.16	178	4309	0.00	ng/ul#	1
17) Fluoranthene	18.19	202	350	0.00	ng/ul#	1
19) Pyrene	18.45	202	17722	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	559	0.01	ng/ul#	2
21) Chrysene	20.26	228	1182	0.02	ng/ul#	30
23) Benzo(b)fluoranthene	21.42	252	54	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.50	252	116	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.85	252	639	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.55	276	444	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.51	278	32	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.03	276	160	0.00	ng/ul#	1

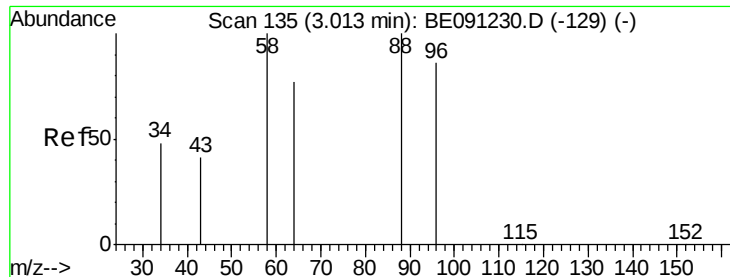
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.02 min Scan# 136

Delta R.T. 0.01 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

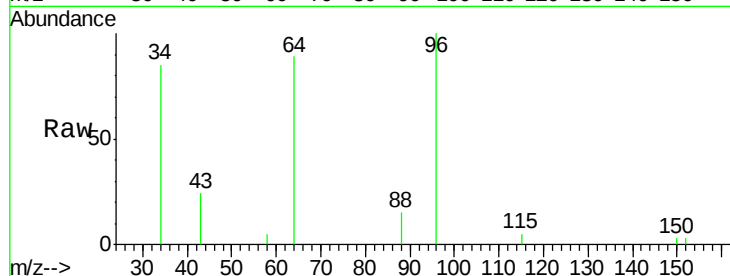
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

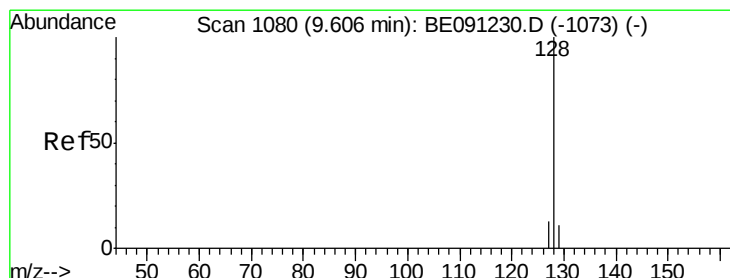
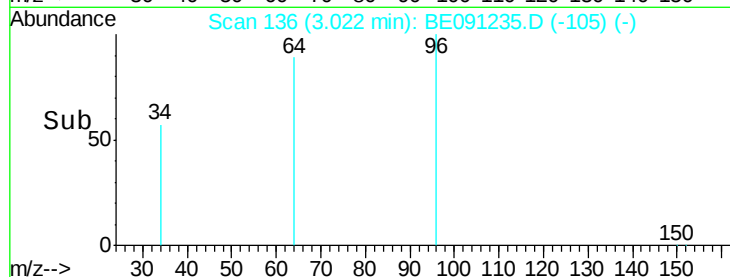
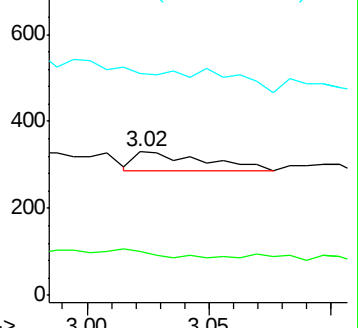
88 100

58 94.0 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: 0.02 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

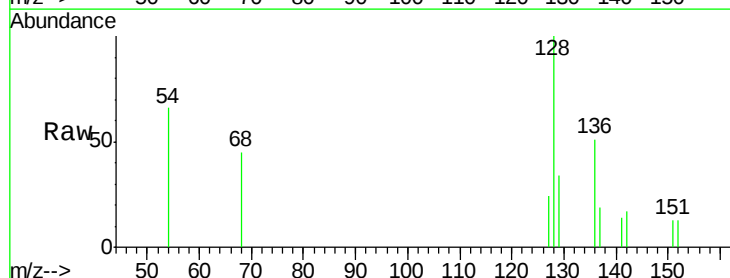
Tgt Ion: 128 Resp: 666

Ion Ratio Lower Upper

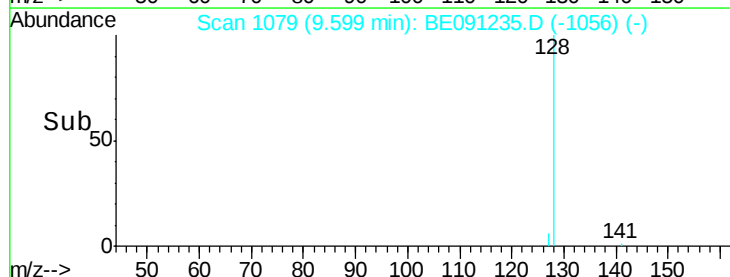
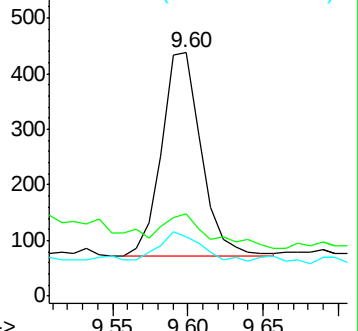
128 100

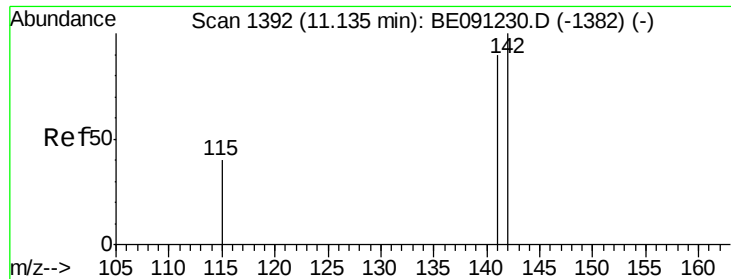
129 33.8 9.8 14.8#

127 24.4 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: 11.07 min Scan# 1378

Delta R.T. -0.06 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

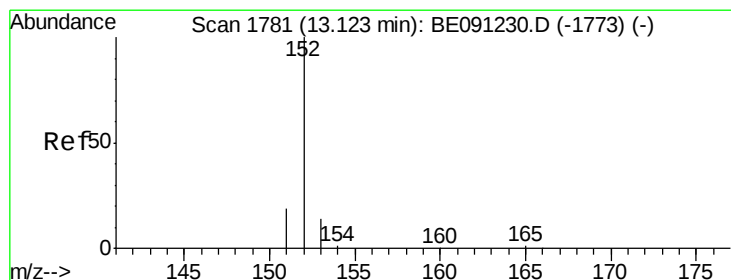
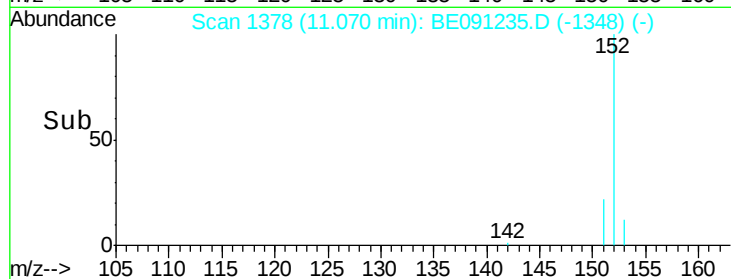
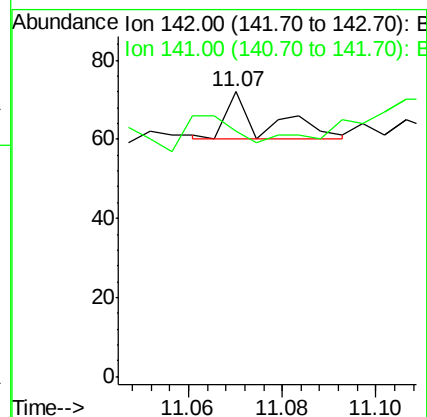
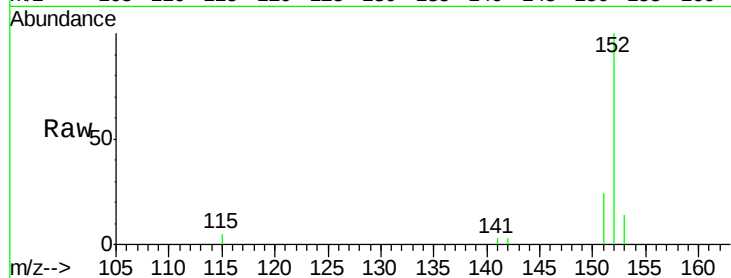
D9KT0RE

Tgt Ion:142 Resp: 7

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

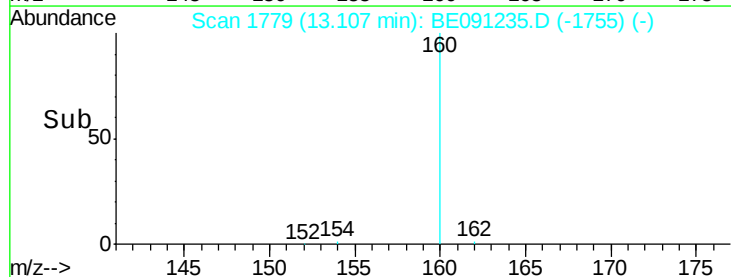
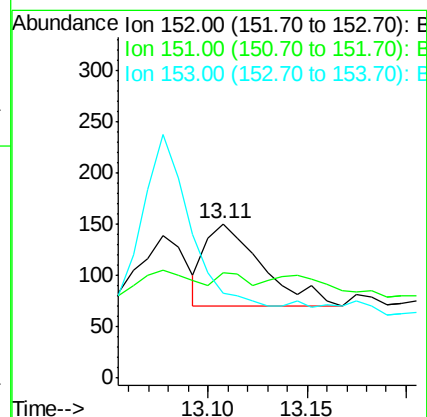
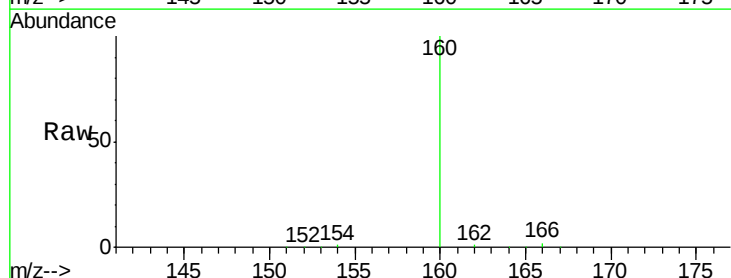
Tgt Ion:152 Resp: 158

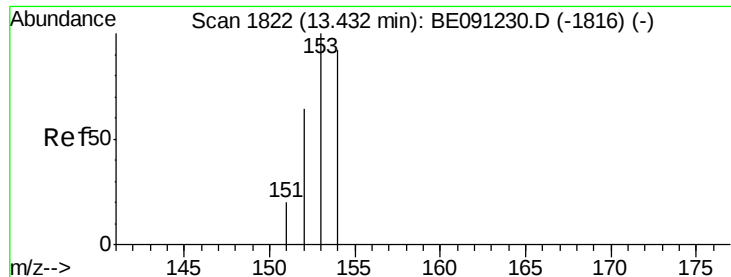
Ion Ratio Lower Upper

152 100

151 68.2 16.8 25.2#

153 55.0 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: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

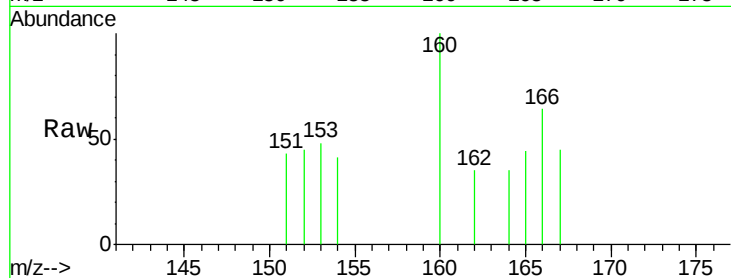
Tgt Ion:153 Resp: 97

Ion Ratio Lower Upper

153 100

152 92.6 42.3 63.5#

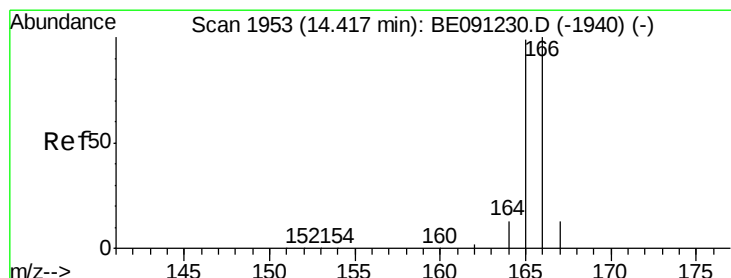
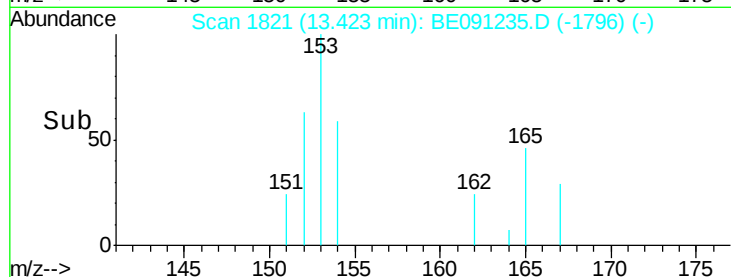
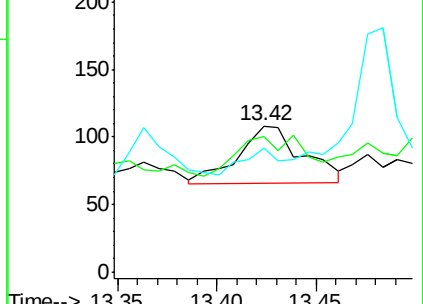
154 85.2 64.7 97.1



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: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

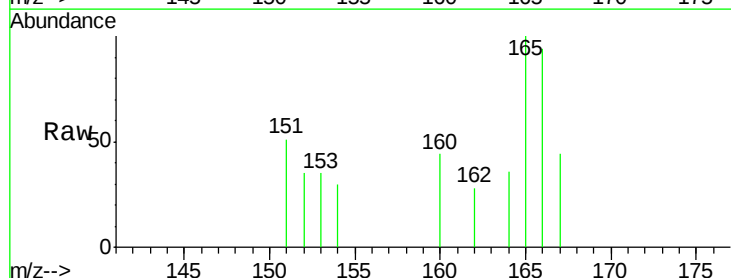
Tgt Ion:166 Resp: 238

Ion Ratio Lower Upper

166 100

165 106.8 87.6 131.4

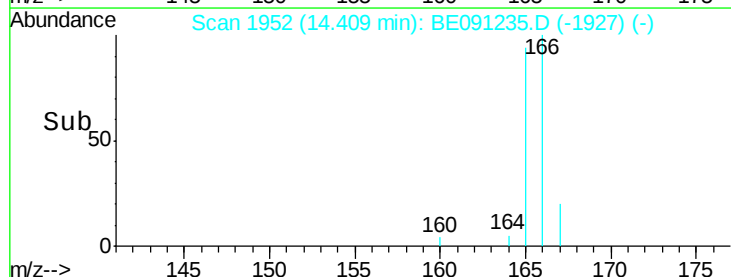
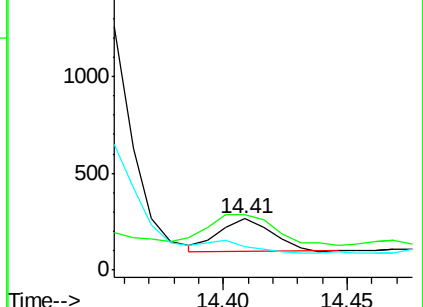
167 46.6 11.1 16.7#

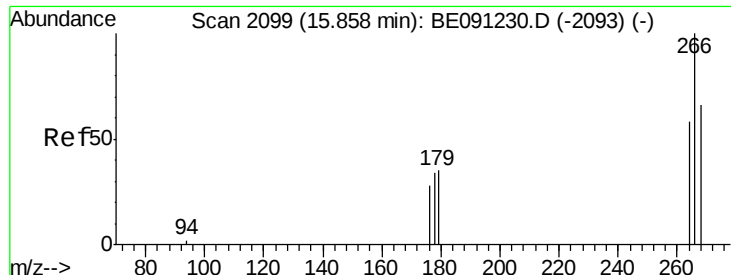


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

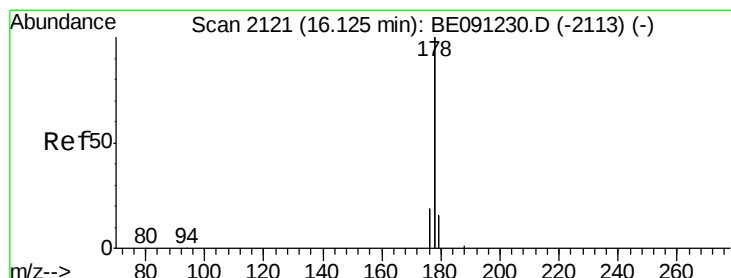
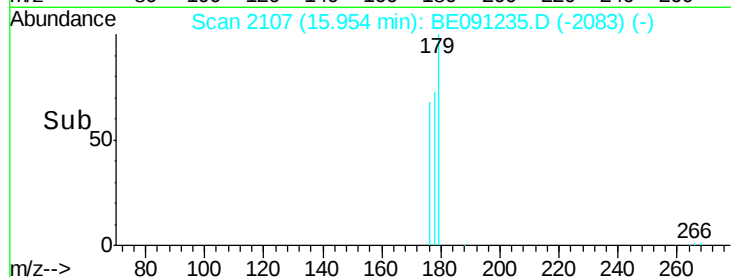
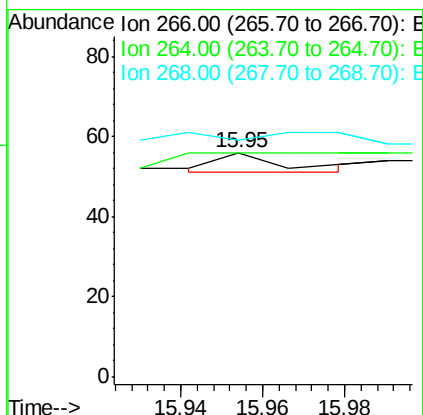
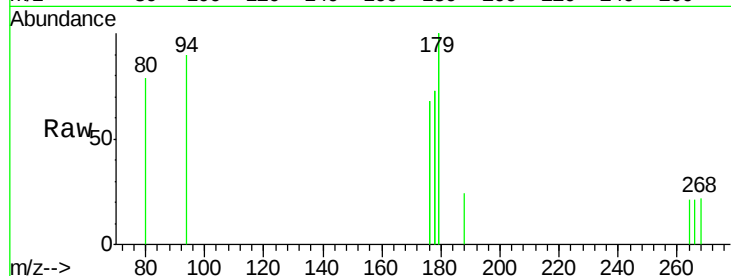




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.95 min Scan# 2107
 Delta R.T. 0.10 min
 Lab File: BE091235.D
 Acq: 18 Nov 2015 19:33

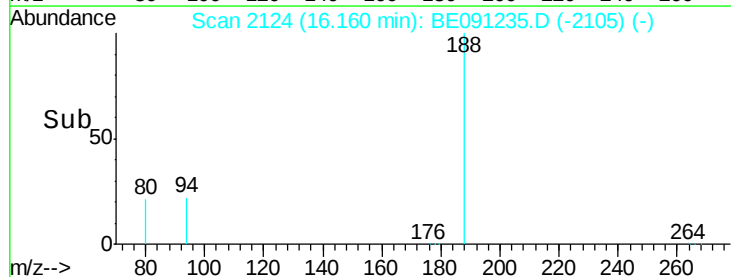
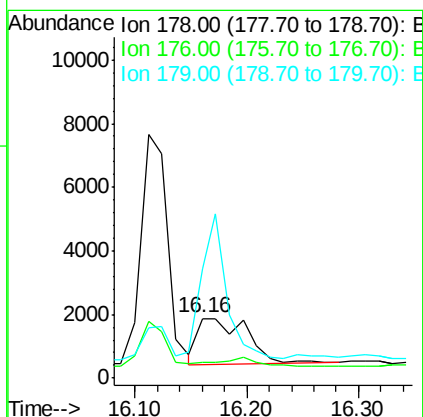
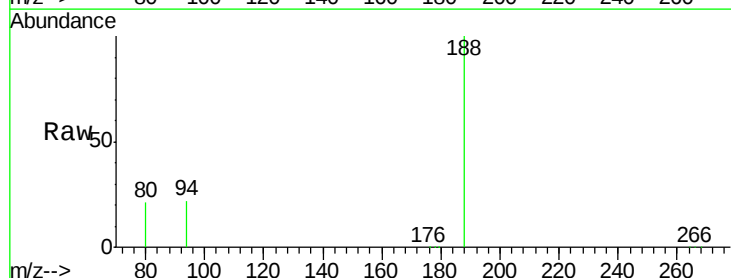
Instrument :
 BNA_E
 ClientSampleId :
 D9KT0RE

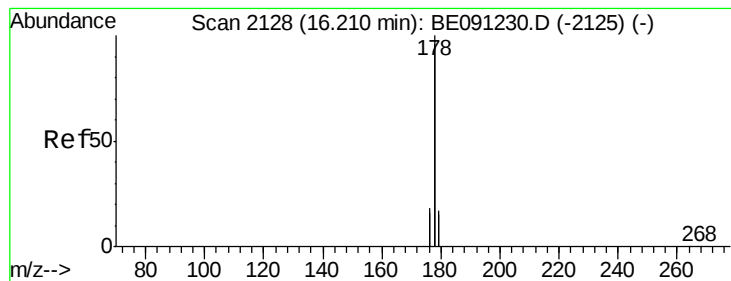
Tgt Ion: 266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 483.3 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.03 min
 Lab File: BE091235.D
 Acq: 18 Nov 2015 19:33

Tgt Ion: 178 Resp: 4525
 Ion Ratio Lower Upper
 178 100
 176 25.9 16.2 24.4#
 179 183.3 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.16 min Scan# 2124

Delta R.T. -0.05 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

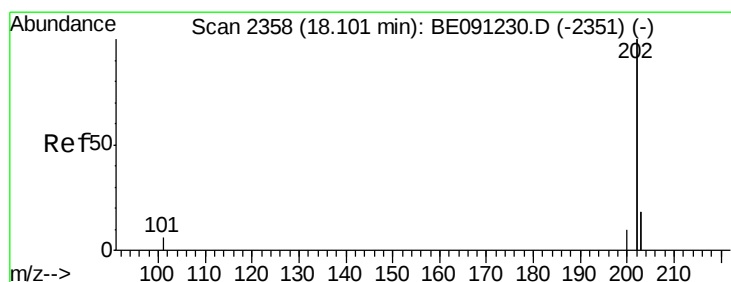
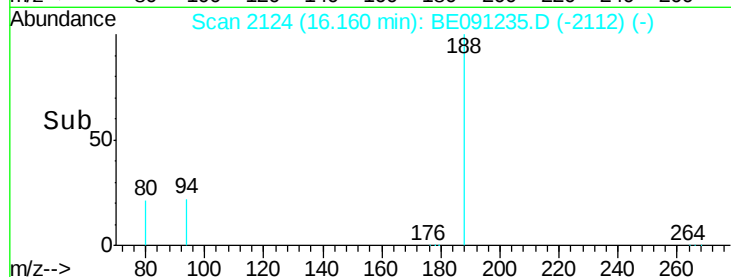
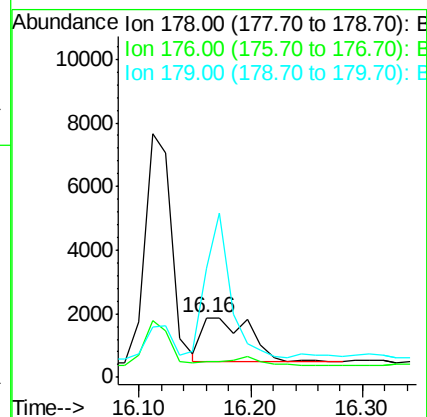
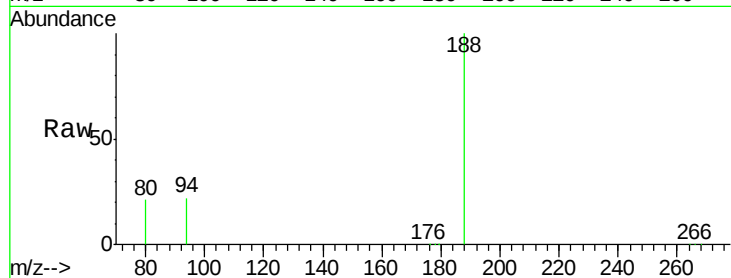
Tgt Ion:178 Resp: 4309

Ion Ratio Lower Upper

178 100

176 25.9 15.8 23.8#

179 183.3 13.3 19.9#



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.19 min Scan# 2371

Delta R.T. 0.09 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

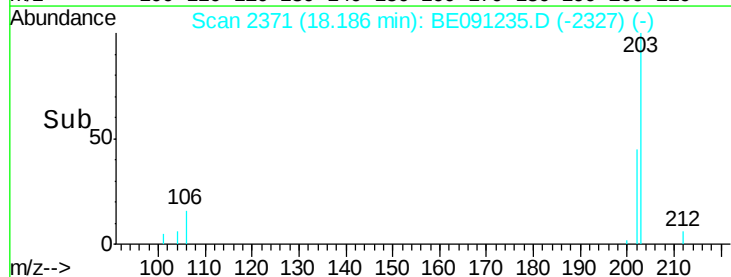
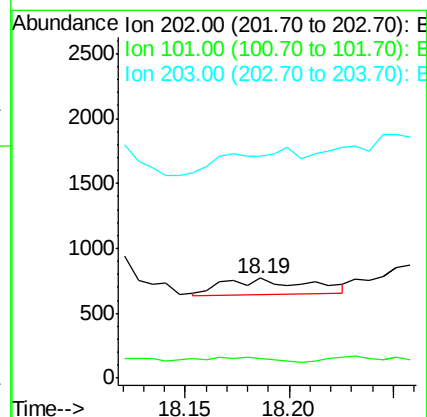
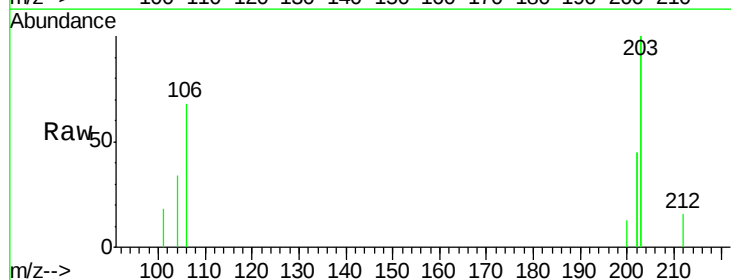
Tgt Ion:202 Resp: 350

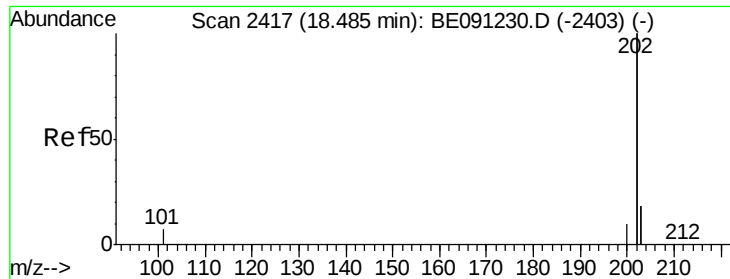
Ion Ratio Lower Upper

202 100

101 20.1 0.0 33.1

203 222.0 0.0 37.2#





#19

Pyrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

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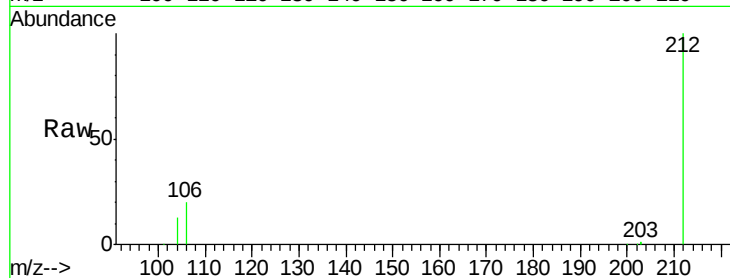
Tgt Ion:202 Resp: 17722

Ion Ratio Lower Upper

202 100

200 2.3 18.0 27.0#

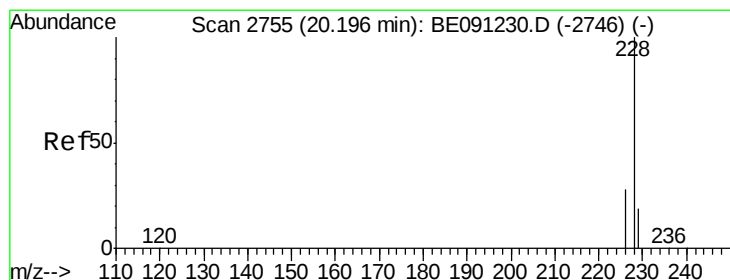
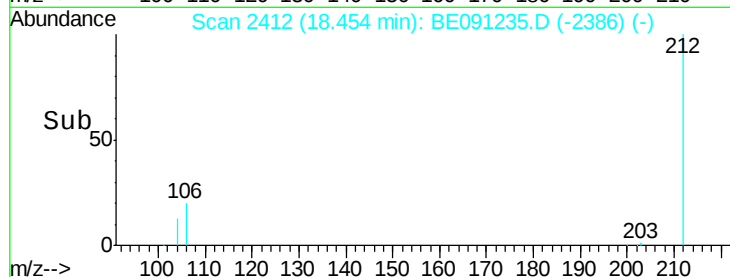
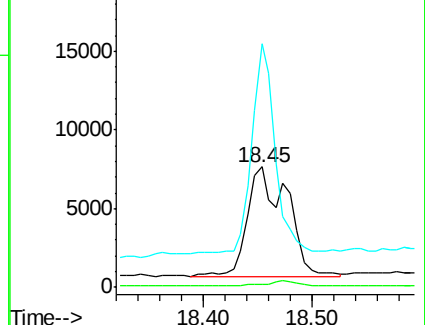
203 202.3 13.8 20.6#



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: BE091235.D

Acq: 18 Nov 2015 19:33

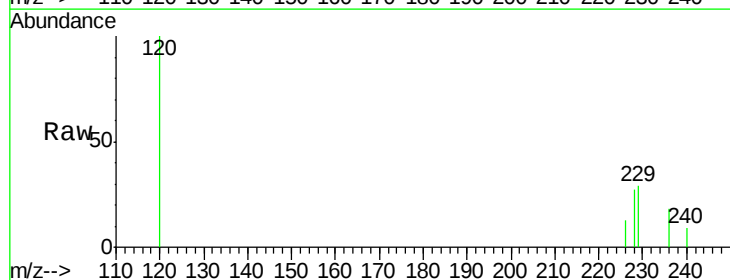
Tgt Ion:228 Resp: 559

Ion Ratio Lower Upper

228 100

226 46.5 23.0 34.4#

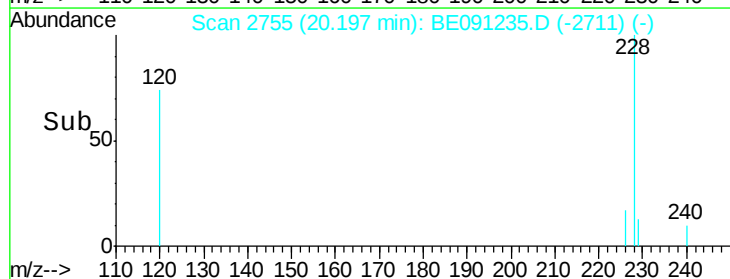
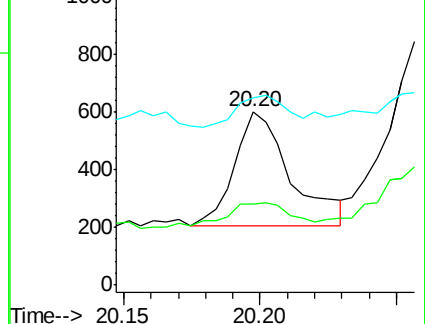
229 107.5 15.2 22.8#

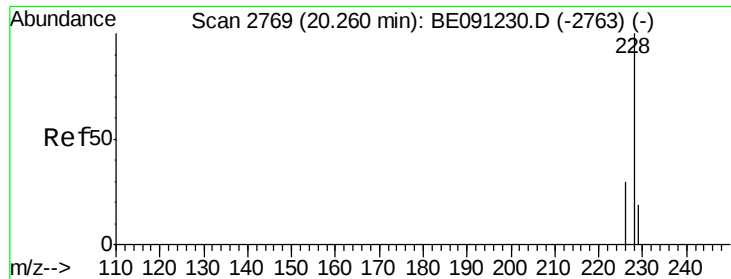


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

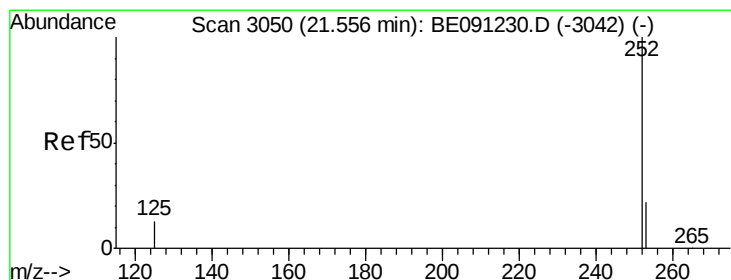
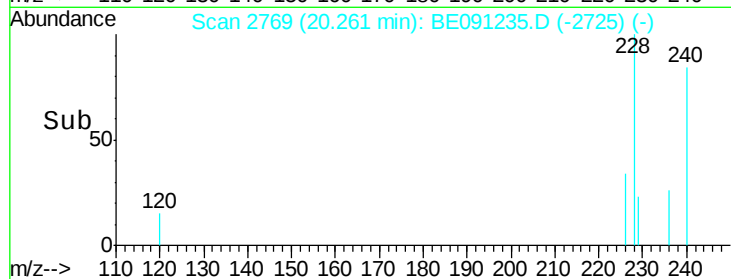
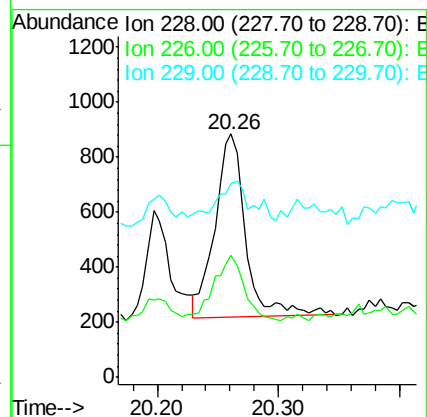
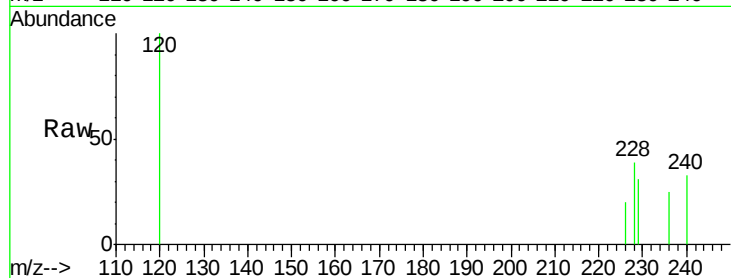
Tgt Ion:228 Resp: 1182

Ion Ratio Lower Upper

228 100

226 49.8 25.7 38.5#

229 79.7 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.42 min Scan# 3019

Delta R.T. -0.14 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

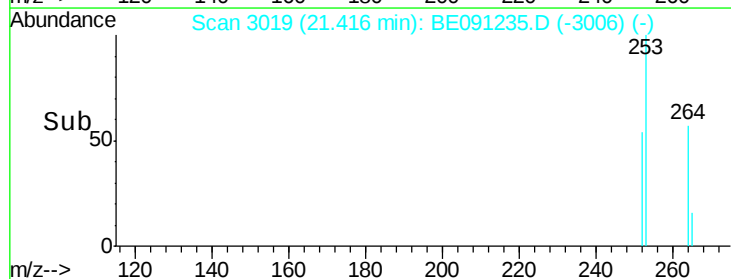
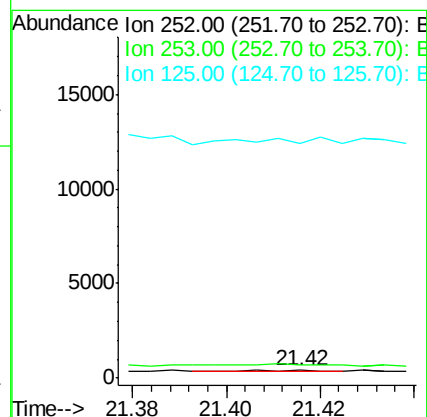
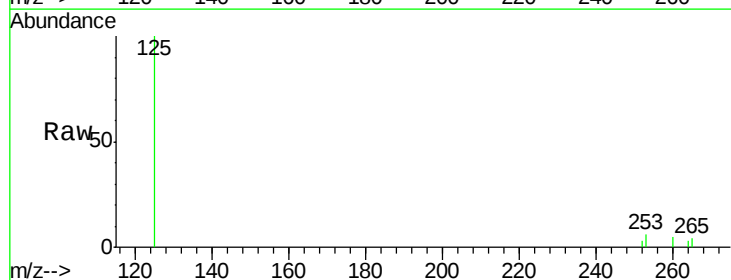
Tgt Ion:252 Resp: 54

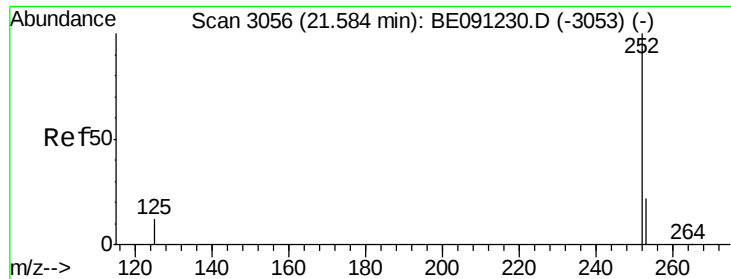
Ion Ratio Lower Upper

252 100

253 178.3 0.0 48.0#

125 3108.8 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.50 min Scan# 3038

Delta R.T. -0.08 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

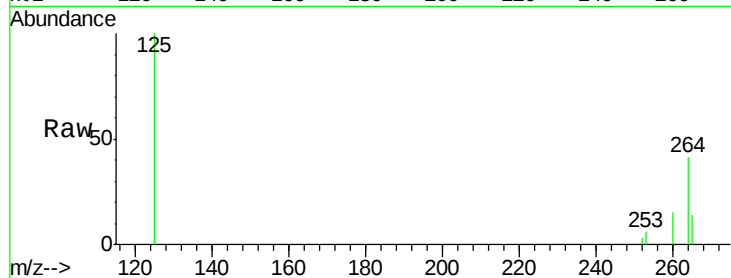
Tgt Ion:252 Resp: 116

Ion Ratio Lower Upper

252 100

253 182.7 20.8 31.2#

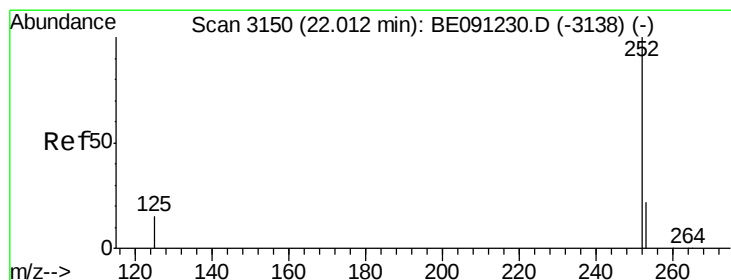
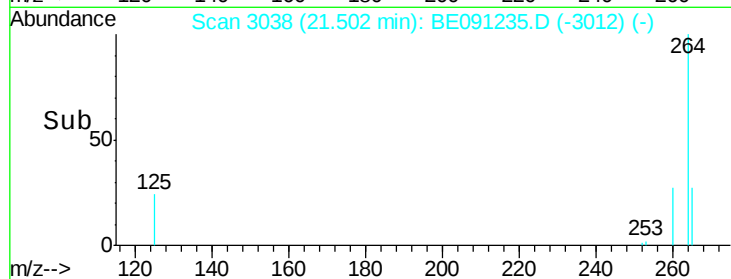
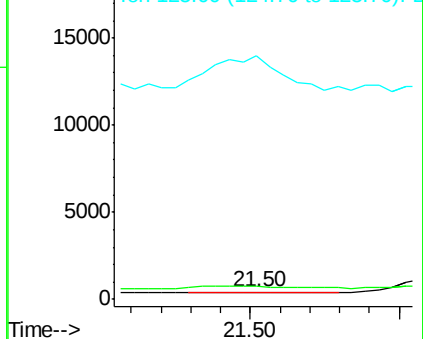
125 3305.0 12.2 18.4#



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: 0.00 ng/ul

RT: 21.85 min Scan# 3114

Delta R.T. -0.16 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

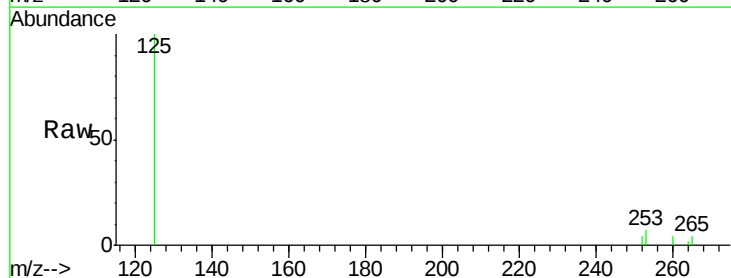
Tgt Ion:252 Resp: 639

Ion Ratio Lower Upper

252 100

253 163.6 21.8 32.8#

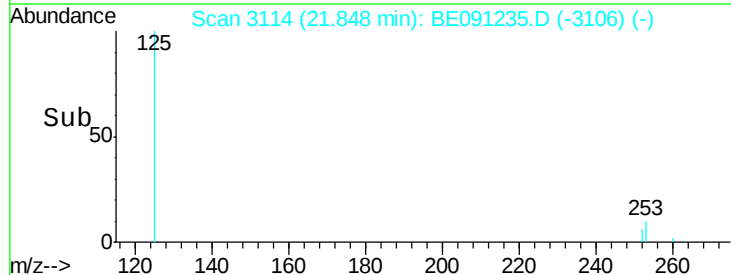
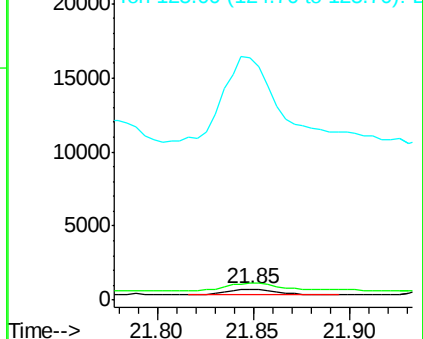
125 2277.1 14.5 21.7#

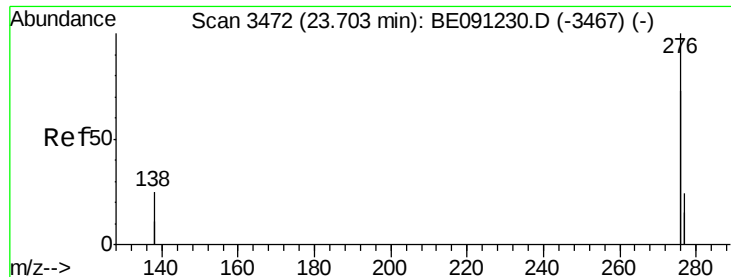


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.55 min Scan# 3448

Delta R.T. -0.16 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

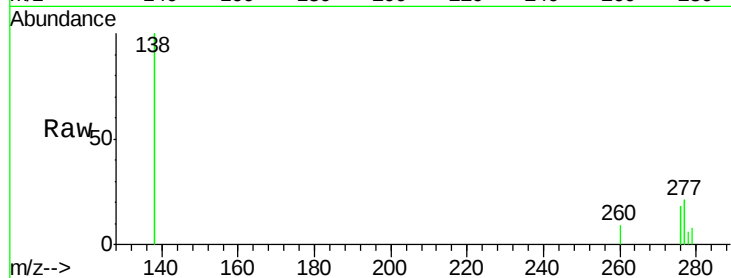
Tgt Ion:276 Resp: 444

Ion Ratio Lower Upper

276 100

138 247.7 27.5 41.3#

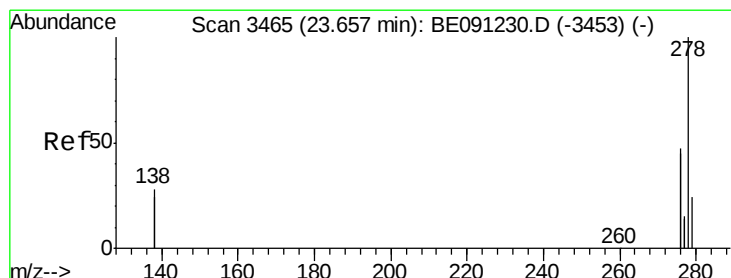
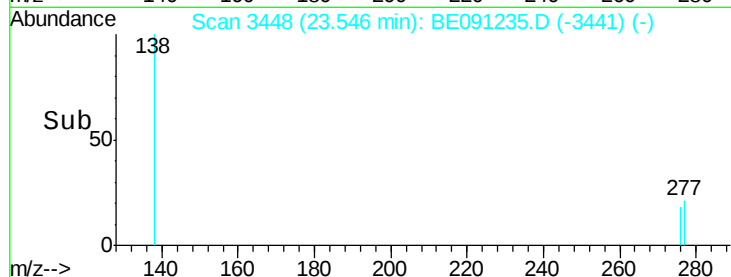
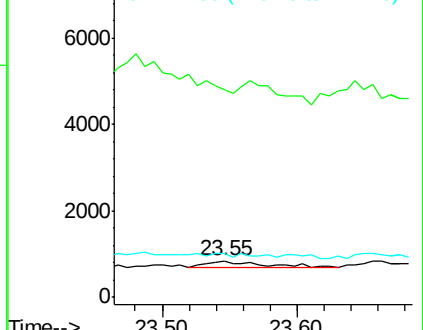
277 0.0 19.3 28.9#



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: 23.51 min Scan# 3442

Delta R.T. -0.15 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

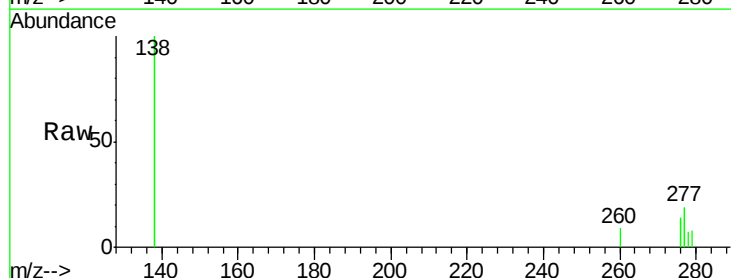
Tgt Ion:278 Resp: 32

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

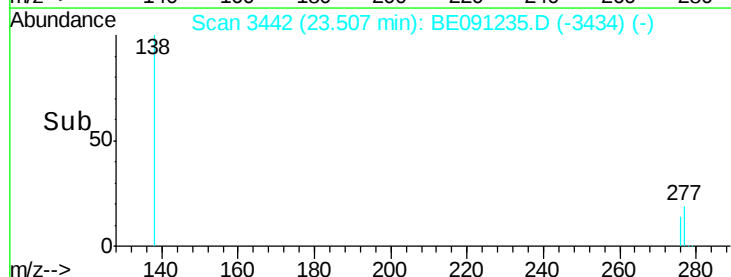
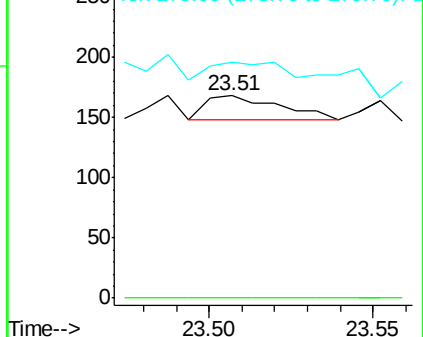
279 116.7 21.9 32.9#

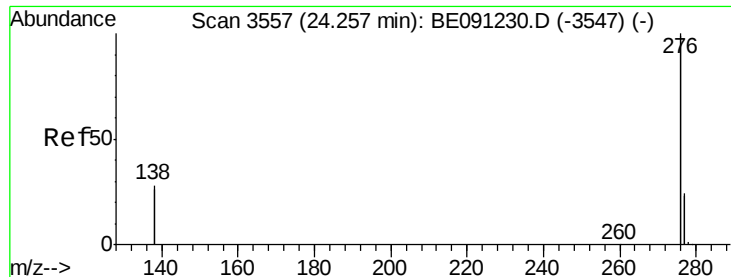


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.03 min Scan# 3522

Delta R.T. -0.23 min

Lab File: BE091235.D

Acq: 18 Nov 2015 19:33

Instrument :

BNA_E

ClientSampleId :

D9KT0RE

Tgt Ion: 276 Resp: 160

Ion Ratio Lower Upper

276 100

277 130.7 21.3 31.9#

138 604.0 25.5 38.3#

