

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091239.D
 Acq On : 18 Nov 2015 21:59
 Operator : UM/NP
 Sample : G4310-03
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL8

Quant Time: Nov 19 06:06:17 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	6.87	152	3978	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	20824	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	15430	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1682442	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	79557	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	86516	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.96	96	21563	7.54	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	6737	0.24	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	23924	0.01	ng/ul	0.00

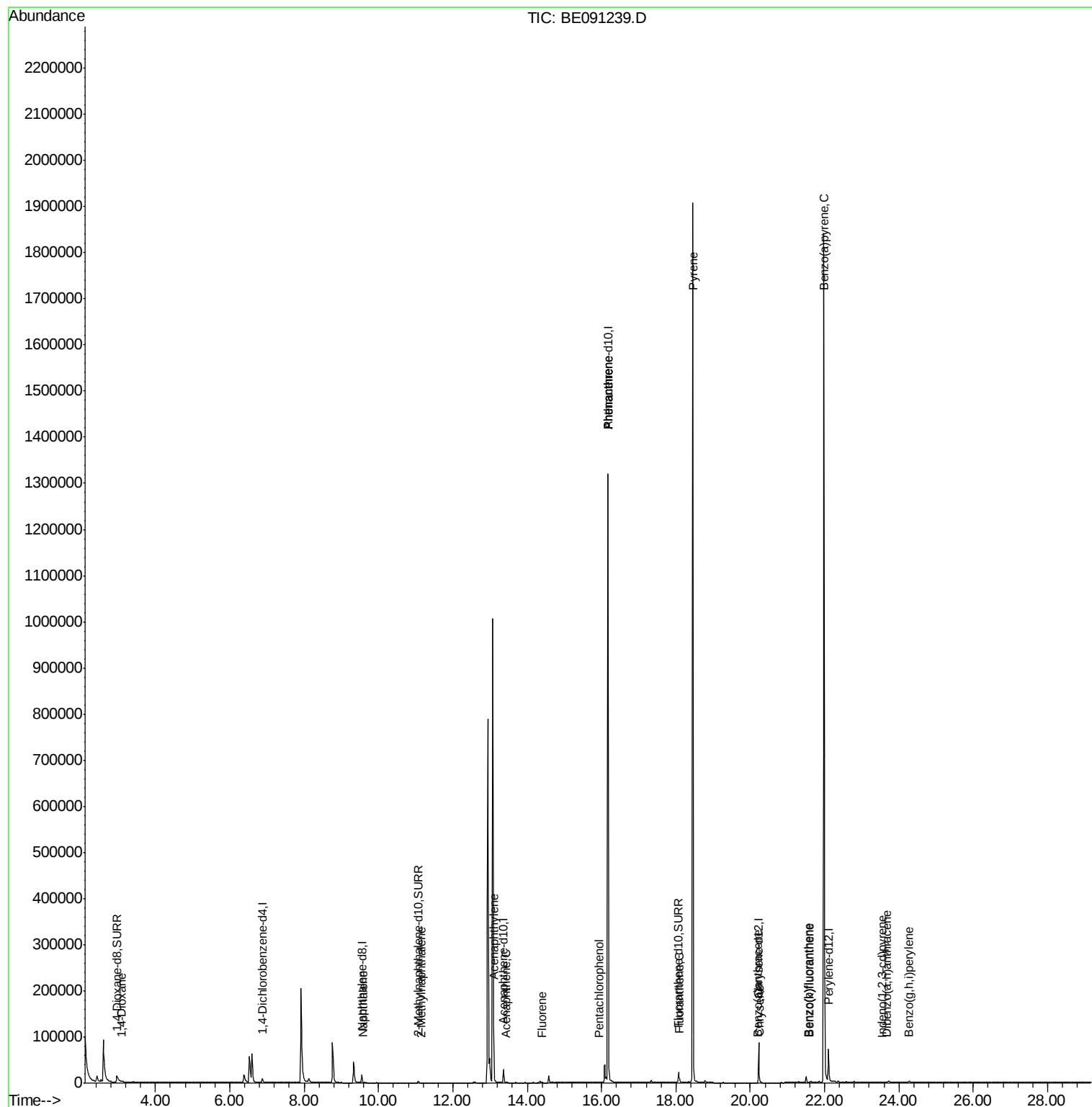
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.09	88	88	0.03	ng/ul#	45
5) Naphthalene	9.59	128	2164	0.04	ng/ul#	82
7) 2-Methylnaphthalene	11.14	142	156	0.00	ng/ul#	69
9) Acenaphthylene	13.11	152	149	0.00	ng/ul#	1
10) Acenaphthene	13.43	153	119	0.00	ng/ul#	77
11) Fluorene	14.41	166	392	0.01	ng/ul#	92
13) Pentachlorophenol	15.93	266	8	0.00	ng/ul#	16
14) Phenanthrene	16.17	178	5927	0.00	ng/ul#	1
15) Anthracene	16.17	178	6120	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	9962	0.00	ng/ul	83
19) Pyrene	18.45	202	21366	0.02	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	789	0.00	ng/ul#	71
21) Chrysene	20.26	228	1006	0.00	ng/ul#	78
23) Benzo(b)fluoranthene	21.56	252	809	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	905	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	8467	0.03	ng/ul#	50
26) Indeno(1,2,3-cd)pyrene	23.55	276	284	0.00	ng/ul	96
27) Dibenzo(a,h)anthracene	23.67	278	368	0.00	ng/ul#	32
28) Benzo(g,h,i)perylene	24.27	276	2720	0.00	ng/ul#	4

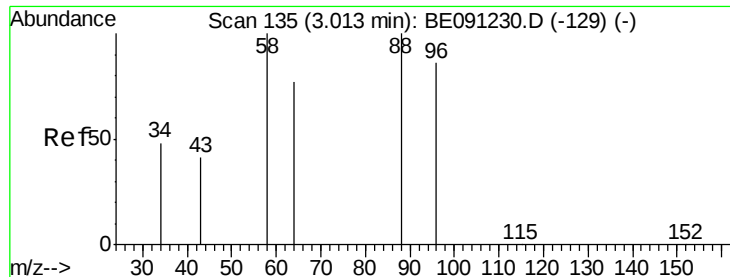
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.09 min Scan# 146

Delta R.T. 0.08 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8

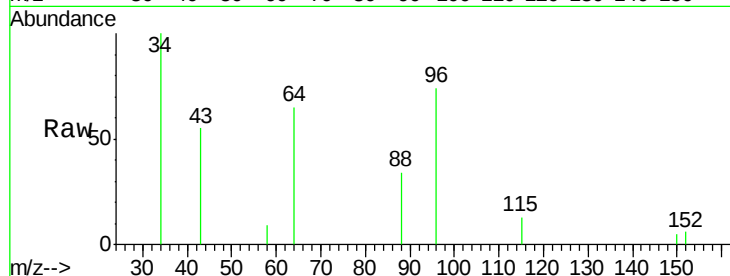
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

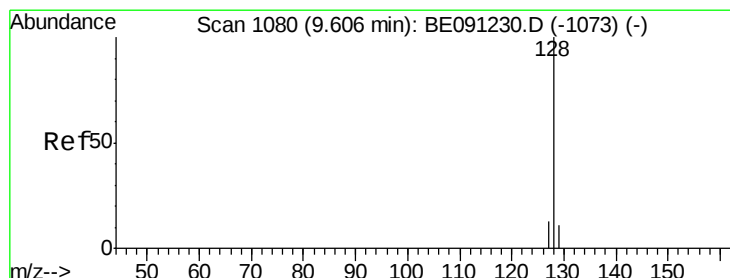
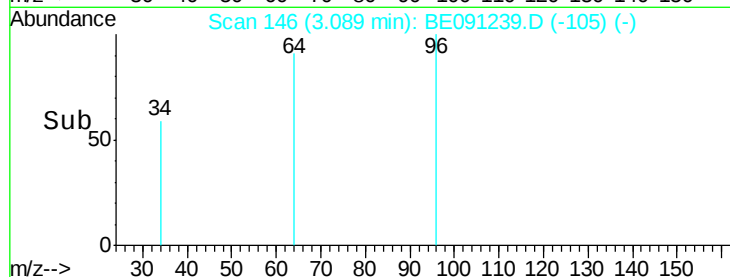
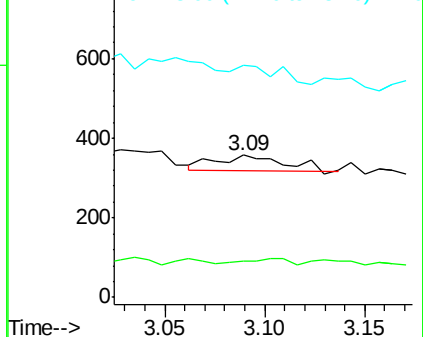
88 100

58 25.0 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: 0.04 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

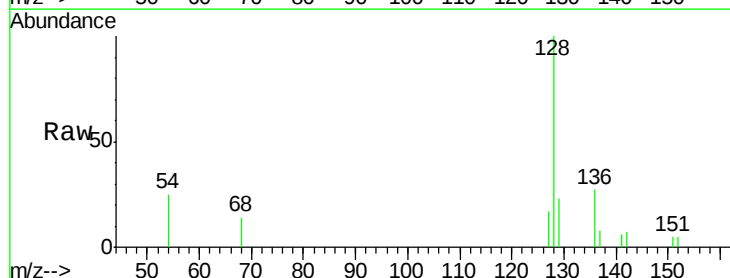
Tgt Ion: 128 Resp: 2164

Ion Ratio Lower Upper

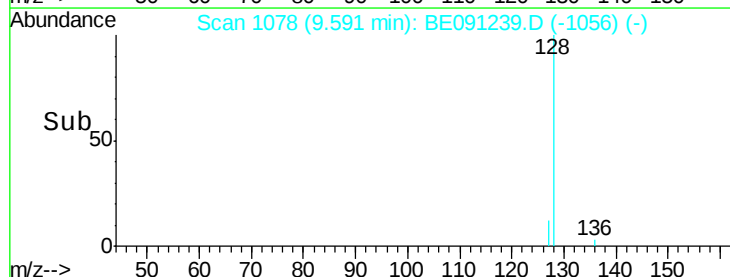
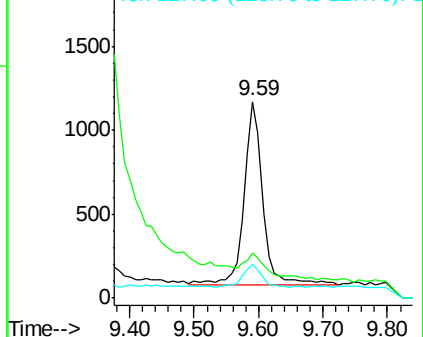
128 100

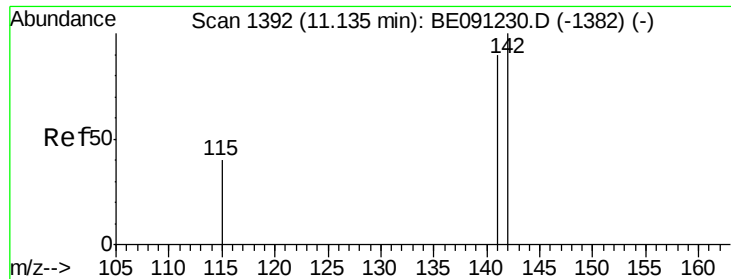
129 23.0 9.8 14.8#

127 17.2 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: 11.14 min Scan# 1394

Delta R.T. 0.01 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

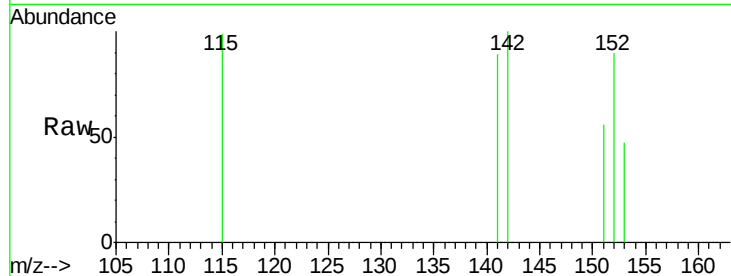
D9KL8

Tgt Ion:142 Resp: 156

Ion Ratio Lower Upper

142 100

141 116.7 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

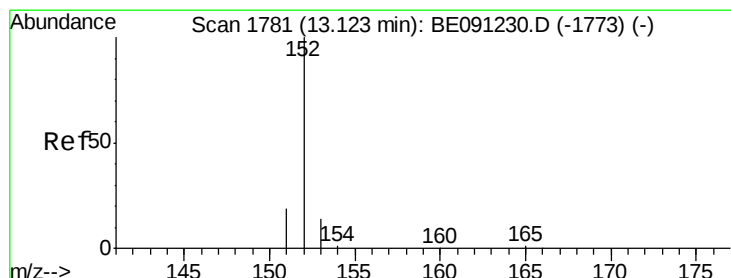
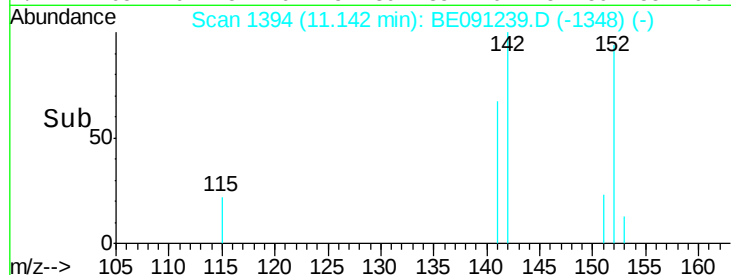
150

100

50

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.02 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

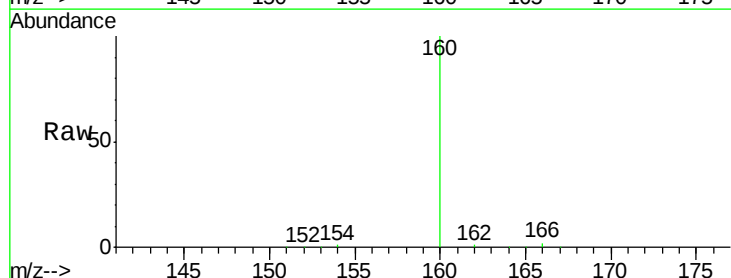
Tgt Ion:152 Resp: 149

Ion Ratio Lower Upper

152 100

151 67.7 16.8 25.2#

153 63.9 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

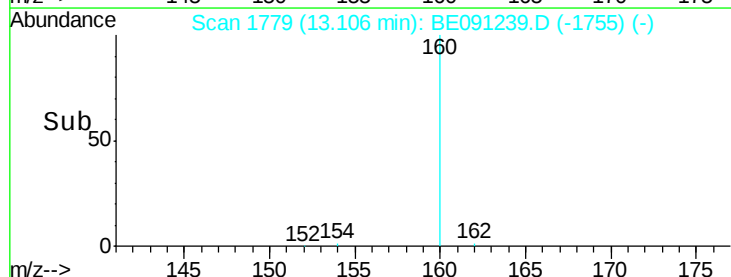
300

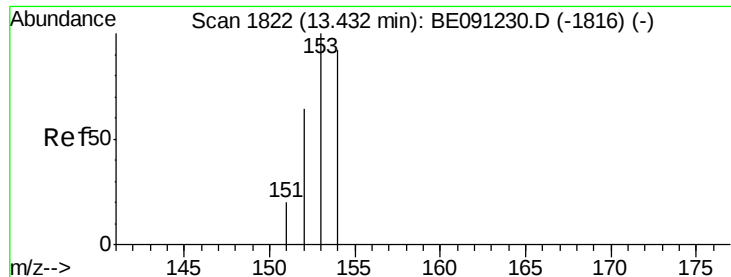
200

100

0

Time--> 13.10 13.15





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8

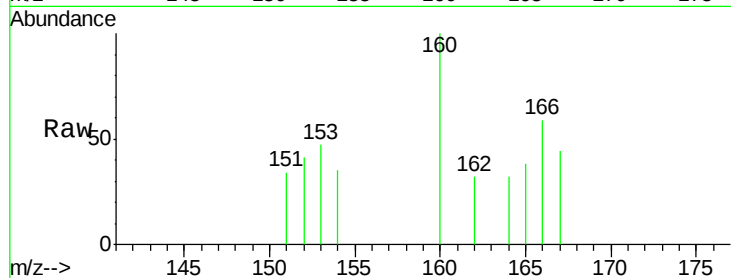
Tgt Ion:153 Resp: 119

Ion Ratio Lower Upper

153 100

152 87.2 42.3 63.5#

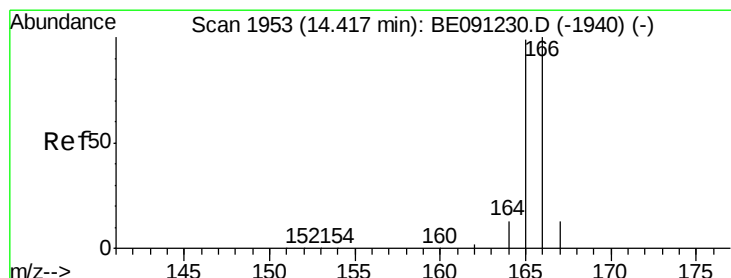
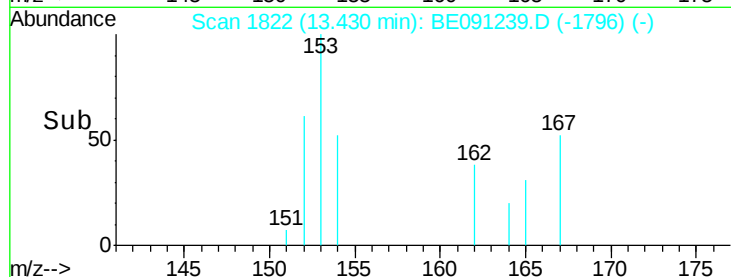
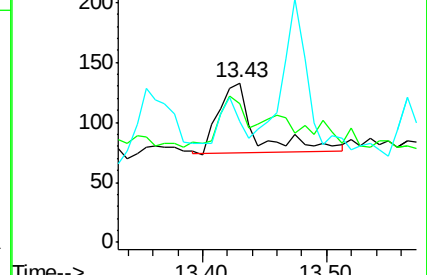
154 75.9 64.7 97.1



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: BE091239.D

Acq: 18 Nov 2015 21:59

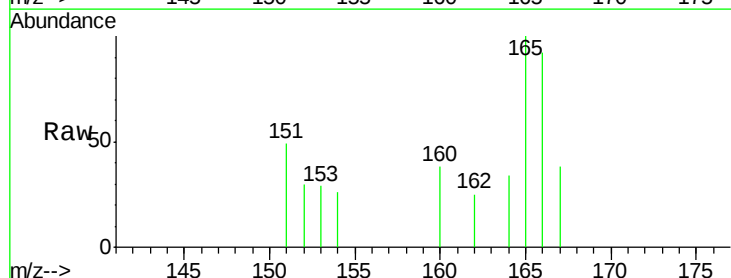
Tgt Ion:166 Resp: 392

Ion Ratio Lower Upper

166 100

165 108.4 87.6 131.4

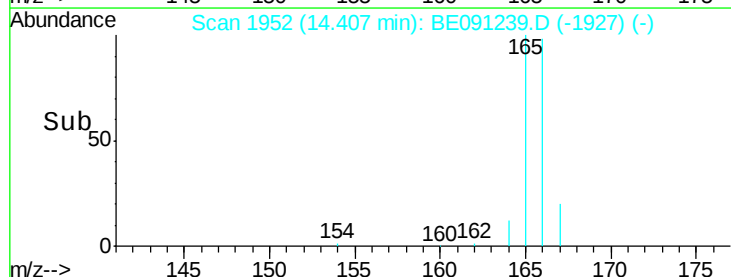
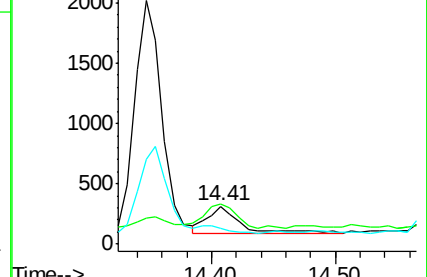
167 40.8 11.1 16.7#

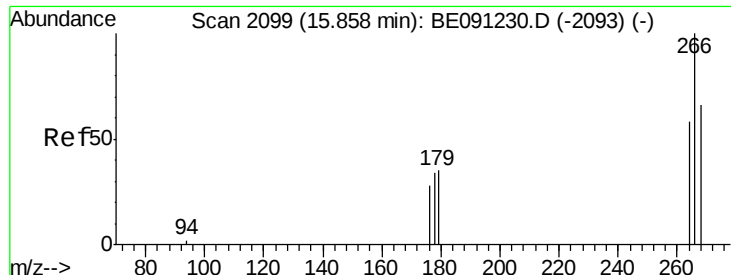


Abundance Ion 166.00 (165.70 to 166.70): E

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: 15.93 min Scan# 2105

Delta R.T. 0.07 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8

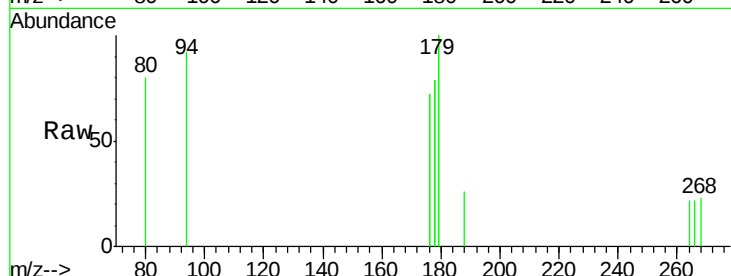
Tgt Ion: 266 Resp: 8

Ion Ratio Lower Upper

266 100

264 0.0 53.5 80.3#

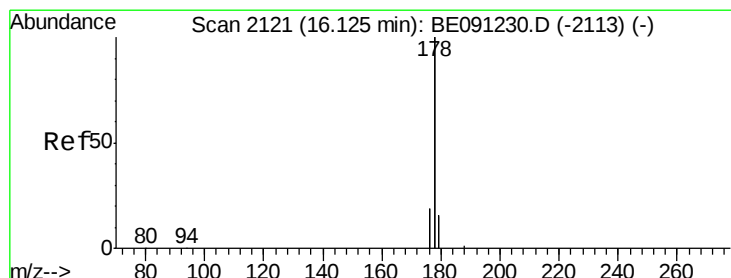
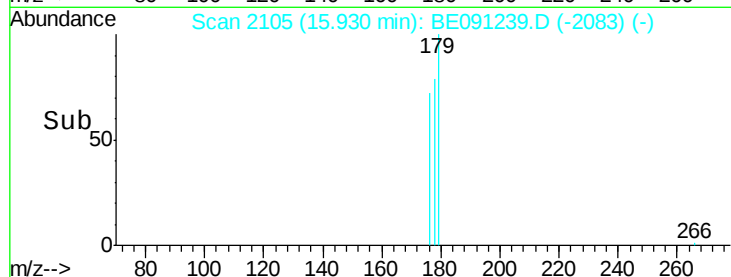
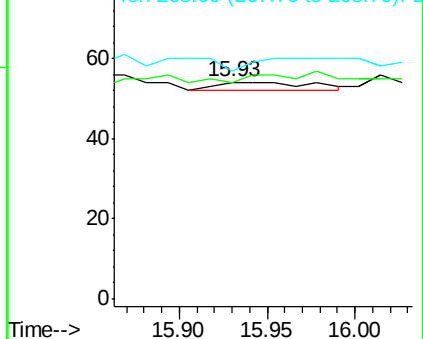
268 0.0 54.2 81.2#



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: 16.17 min Scan# 2125

Delta R.T. 0.05 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

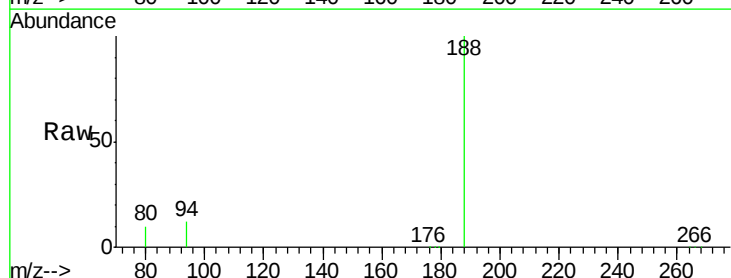
Tgt Ion: 178 Resp: 5927

Ion Ratio Lower Upper

178 100

176 21.8 16.2 24.4

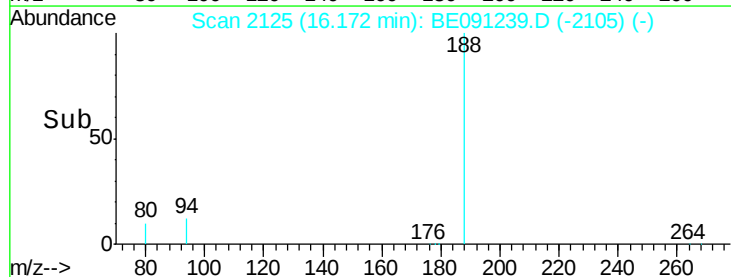
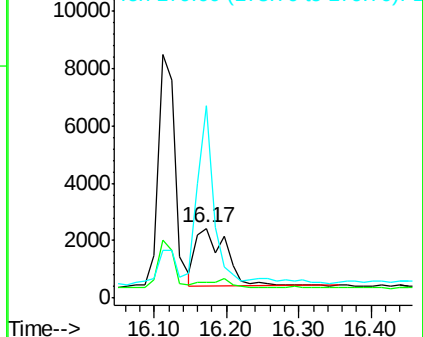
179 276.1 12.8 19.2#

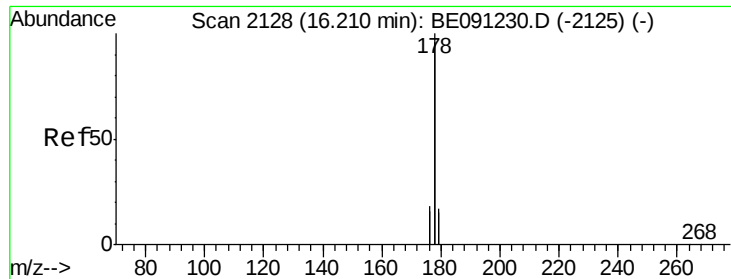


Abundance Ion 178.00 (177.70 to 178.70): E

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: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampled :

D9KL8

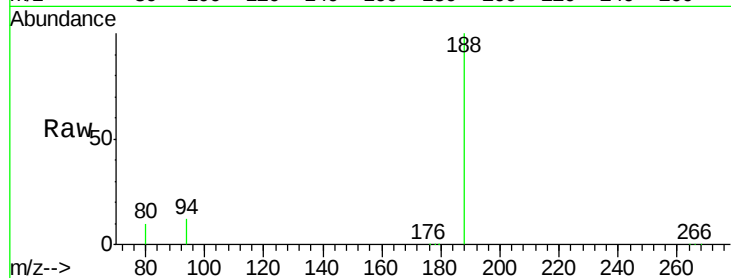
Tgt Ion:178 Resp: 6120

Ion Ratio Lower Upper

178 100

176 21.8 15.8 23.8

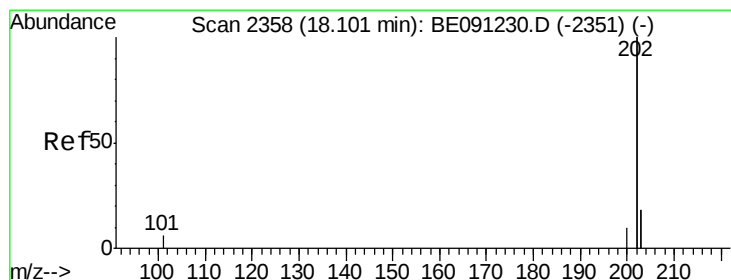
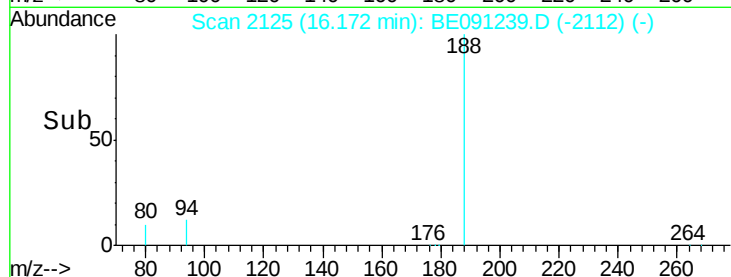
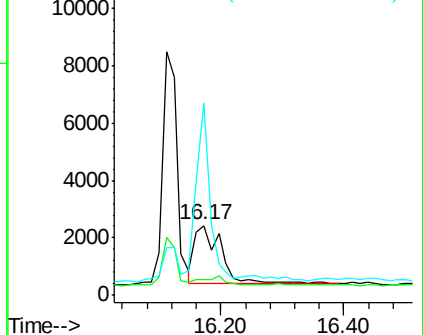
179 276.1 13.3 19.9#



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: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

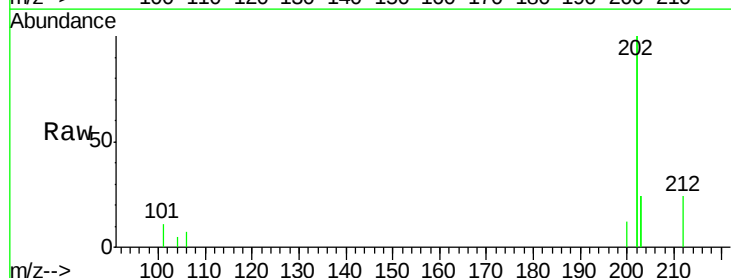
Tgt Ion:202 Resp: 9962

Ion Ratio Lower Upper

202 100

101 5.4 0.0 33.1

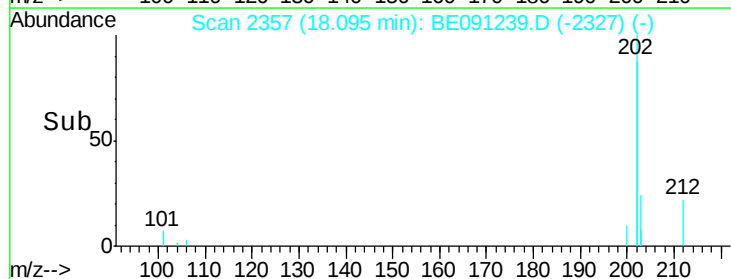
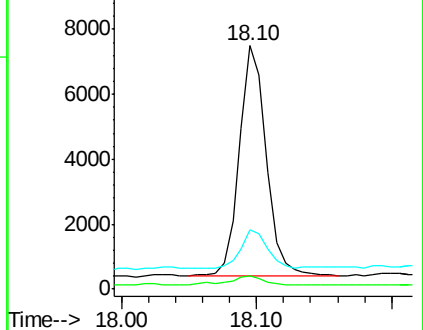
203 24.2 0.0 37.2

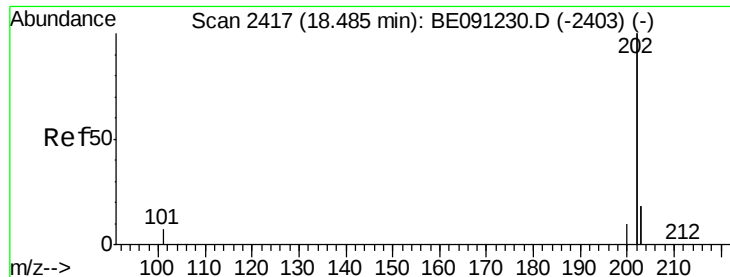


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.02 ng/ul

RT: 18.45 min Scan# 2412

Delta R.T. -0.03 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

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D9KL8

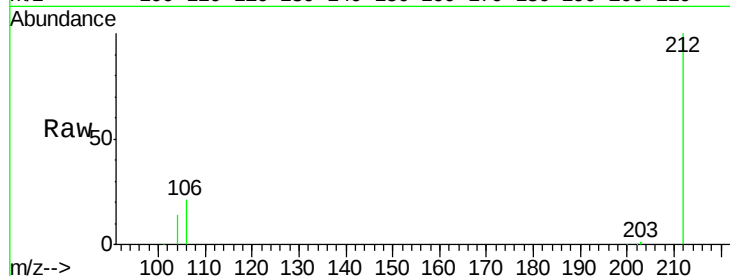
Tgt Ion:202 Resp: 21366

Ion Ratio Lower Upper

202 100

200 1.8 18.0 27.0#

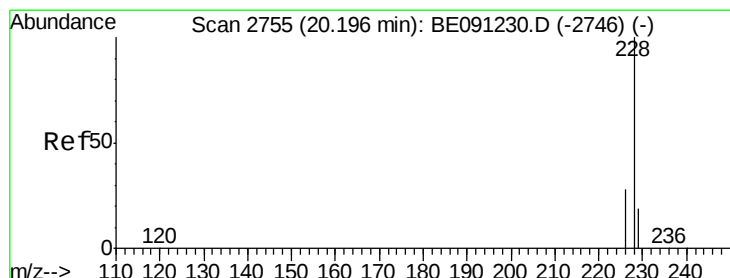
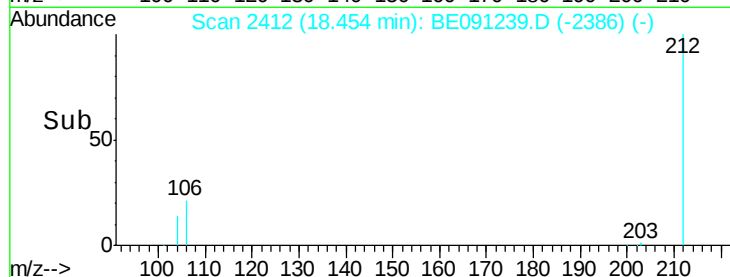
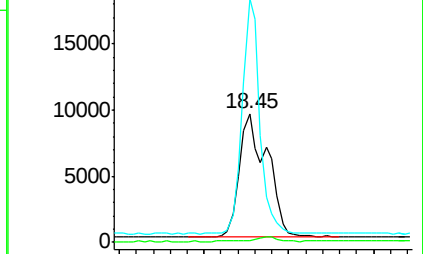
203 189.6 13.8 20.6#



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: 20.20 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

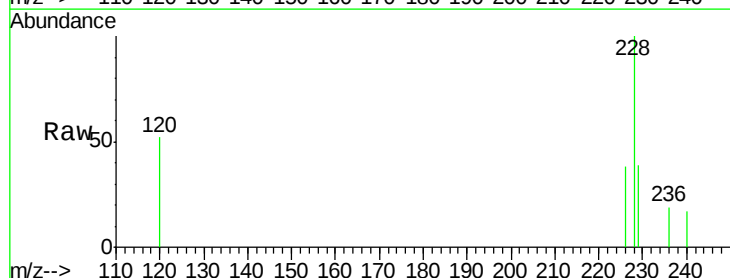
Tgt Ion:228 Resp: 789

Ion Ratio Lower Upper

228 100

226 38.0 23.0 34.4#

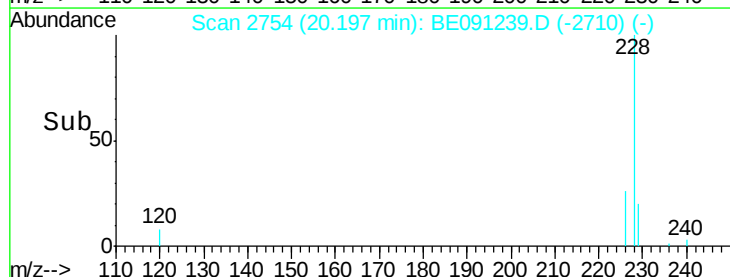
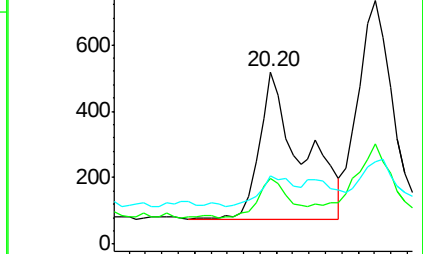
229 39.5 15.2 22.8#

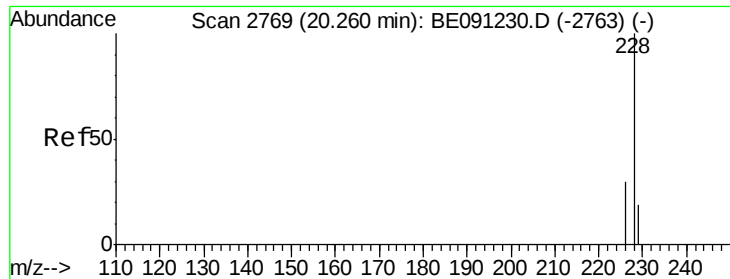


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

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D9KL8

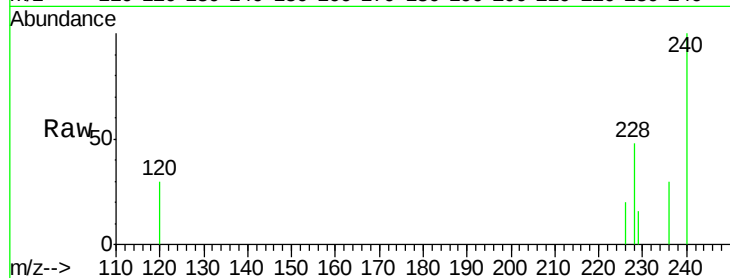
Tgt Ion:228 Resp: 1006

Ion Ratio Lower Upper

228 100

226 41.3 25.7 38.5#

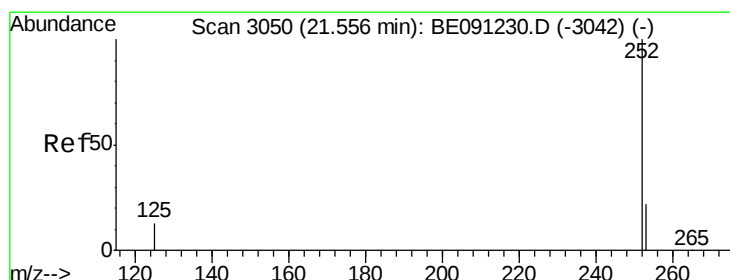
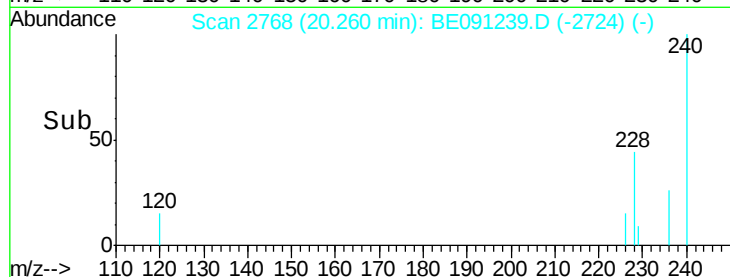
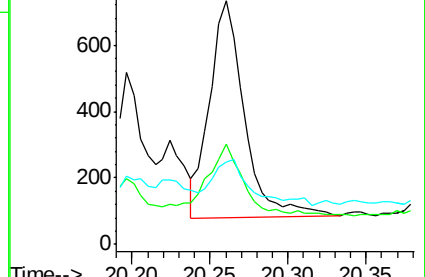
229 33.6 15.2 22.8#



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: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

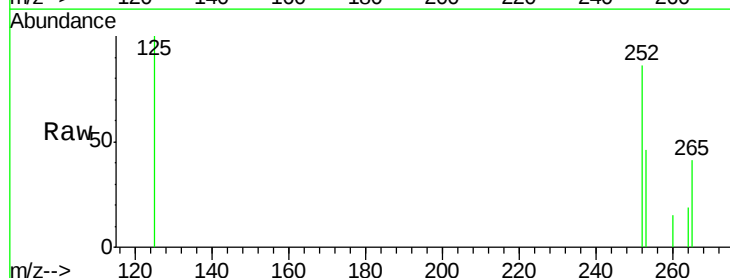
Tgt Ion:252 Resp: 809

Ion Ratio Lower Upper

252 100

253 53.4 0.0 48.0#

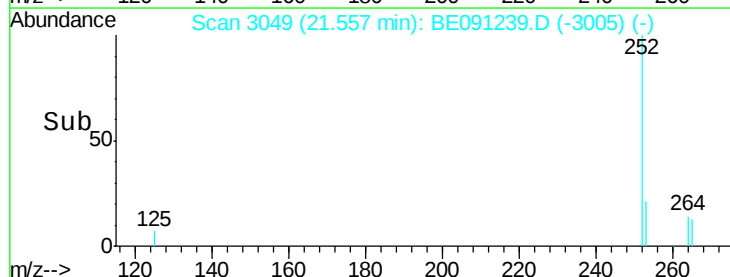
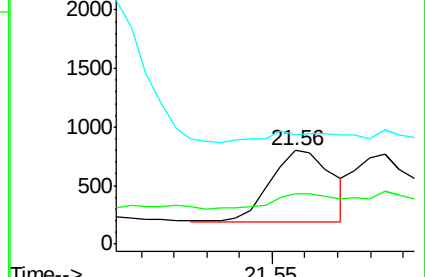
125 116.0 0.0 36.6#

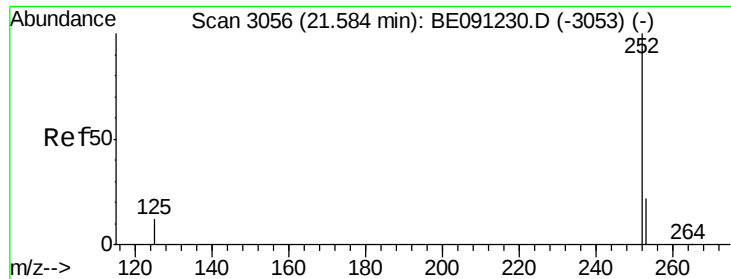


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 21.58 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8

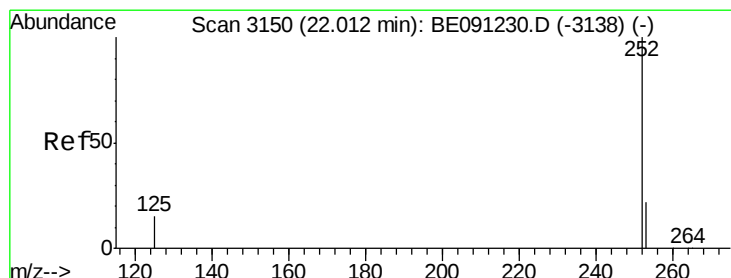
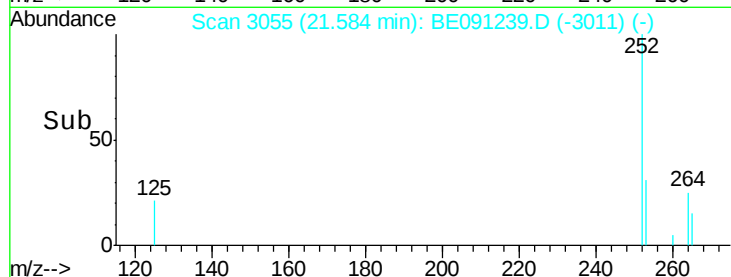
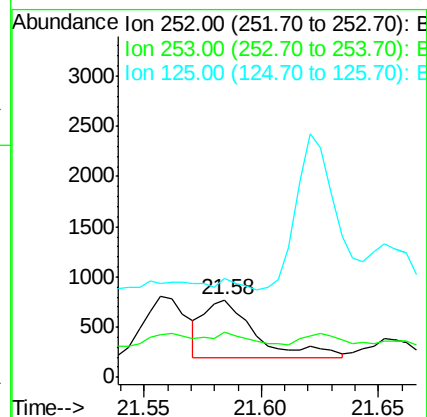
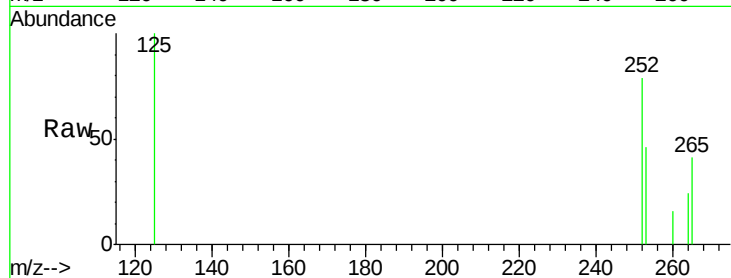
Tgt Ion:252 Resp: 905

Ion Ratio Lower Upper

252 100

253 58.9 20.8 31.2#

125 126.9 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.03 ng/u1

RT: 21.99 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

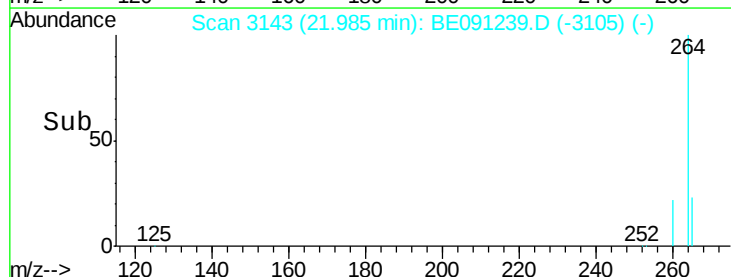
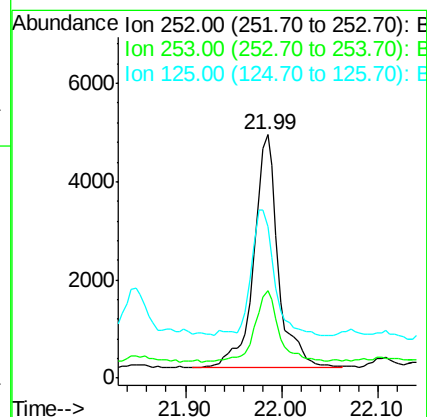
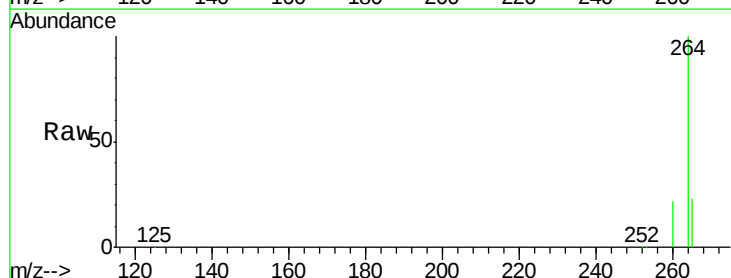
Tgt Ion:252 Resp: 8467

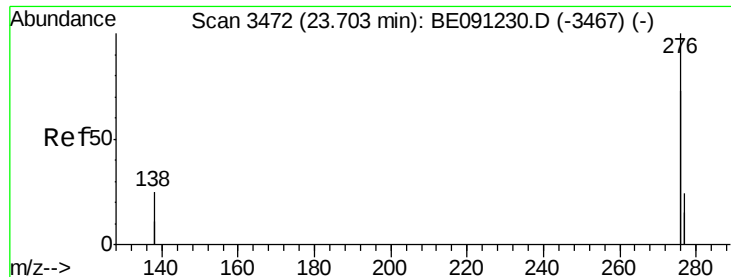
Ion Ratio Lower Upper

252 100

253 36.1 21.8 32.8#

125 62.3 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.55 min Scan# 3448

Delta R.T. -0.15 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8

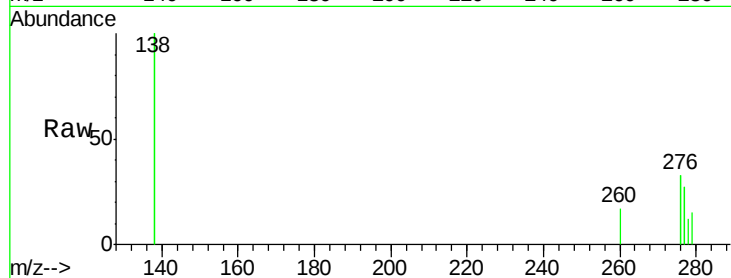
Tgt Ion:276 Resp: 284

Ion Ratio Lower Upper

276 100

138 32.4 27.5 41.3

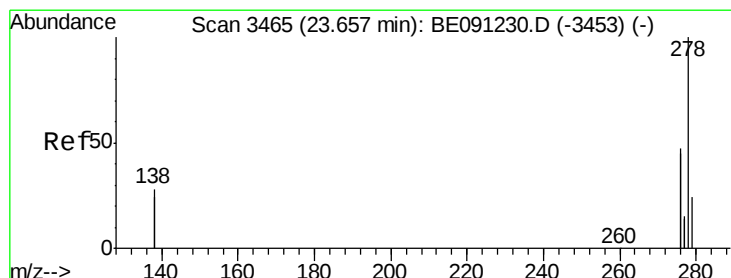
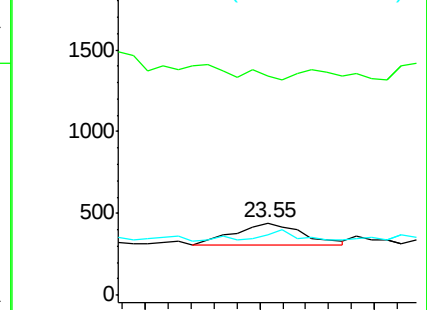
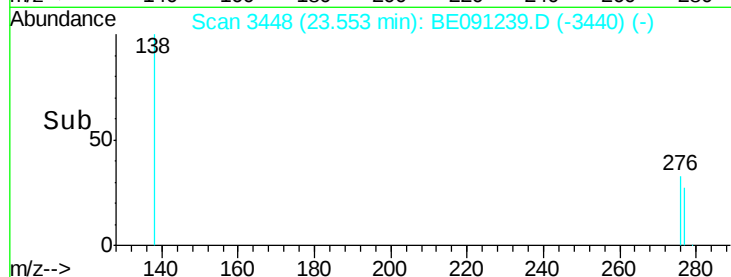
277 22.2 19.3 28.9



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: 23.67 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BE091239.D

Acq: 18 Nov 2015 21:59

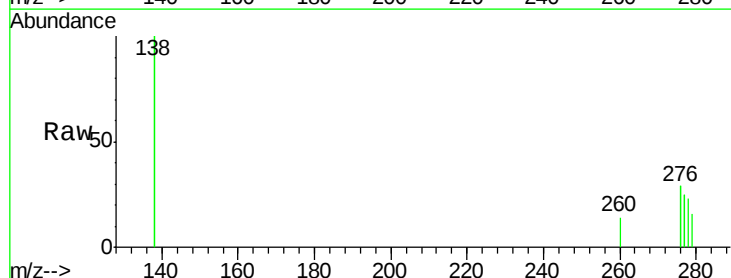
Tgt Ion:278 Resp: 368

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

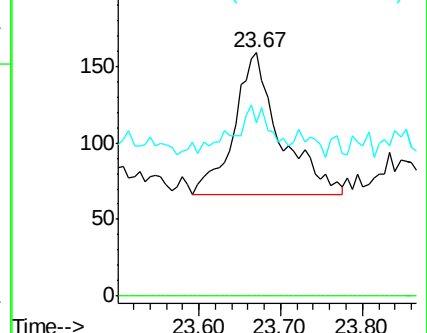
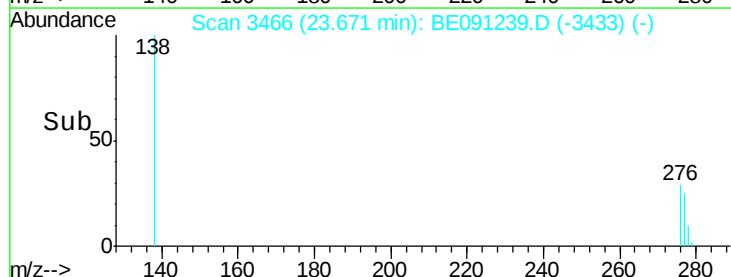
279 71.1 21.9 32.9#

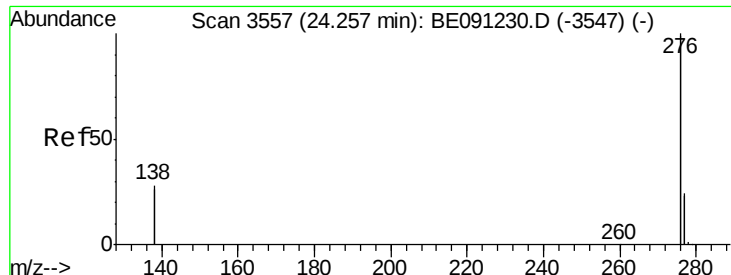


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.27 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091239.D

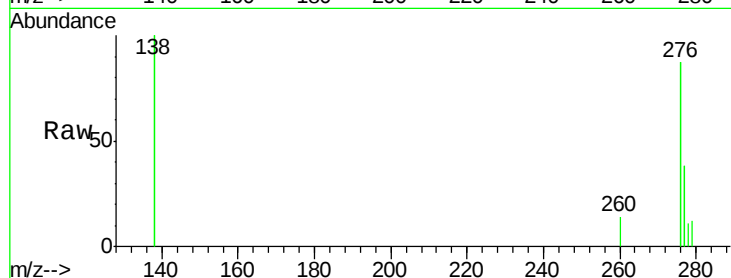
Acq: 18 Nov 2015 21:59

Instrument :

BNA_E

ClientSampleId :

D9KL8



Tgt Ion: 276 Resp: 2720

Ion Ratio Lower Upper

276 100

277 43.5 21.3 31.9#

138 114.6 25.5 38.3#

