

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112115\
 Data File : BE091265.D
 Acq On : 21 Nov 2015 4:28
 Operator : UM/NP
 Sample : G4310-21MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KL3MS

Quant Time: Nov 21 06:15:42 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 : Sat Nov 21 04:53:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3155	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	14728	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	7717	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1346956	0.40	ng/ul	0.06
18) Chrysene-d12	20.23	240	20334	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1620982	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	24524	10.81	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	6204	0.31	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	17751	0.00	ng/ul	0.00

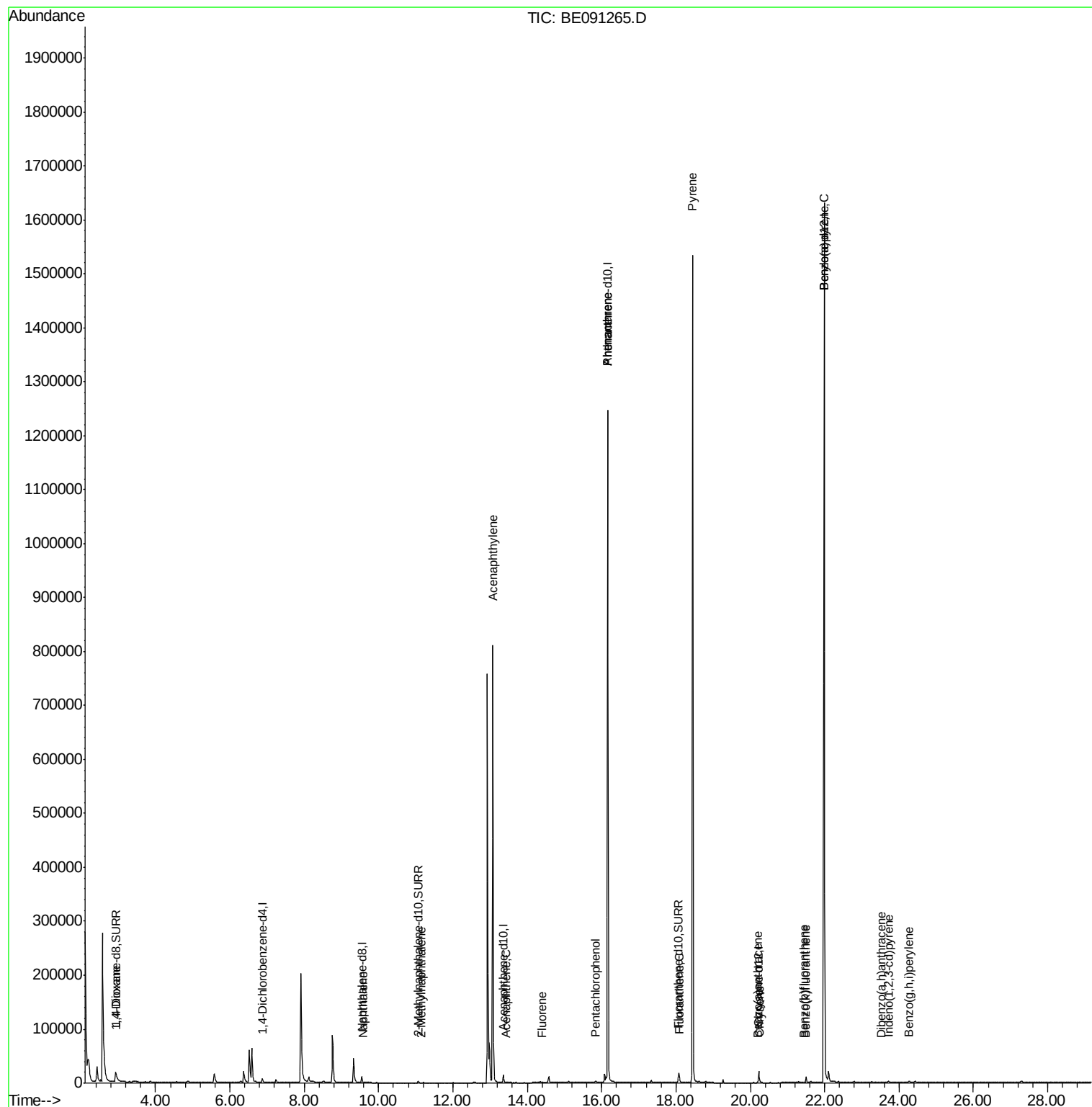
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.95	88	105	0.04	ng/ul#	24
5) Naphthalene	9.59	128	718	0.02	ng/ul#	45
7) 2-Methylnaphthalene	11.14	142	82	0.00	ng/ul	84
9) Acenaphthylene	13.08	152	188	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	113	0.00	ng/ul#	74
11) Fluorene	14.40	166	287	0.01	ng/ul#	83
13) Pentachlorophenol	15.85	266	1457	0.01	ng/ul	94
14) Phenanthrene	16.16	178	4312	0.00	ng/ul#	1
15) Anthracene	16.16	178	4230	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	7648	0.00	ng/ul	78
19) Pyrene	18.45	202	17959	0.08	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	1048	0.02	ng/ul#	72
21) Chrysene	20.27	228	1319	0.02	ng/ul#	85
23) Benzo(b)fluoranthene	21.43	252	33	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.48	252	27	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6691	0.00	ng/ul#	43
26) Indeno(1,2,3-cd)pyrene	23.71	276	1380	0.00	ng/ul	94
27) Dibenzo(a,h)anthracene	23.53	278	19	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.27	276	1846	0.00	ng/ul#	1

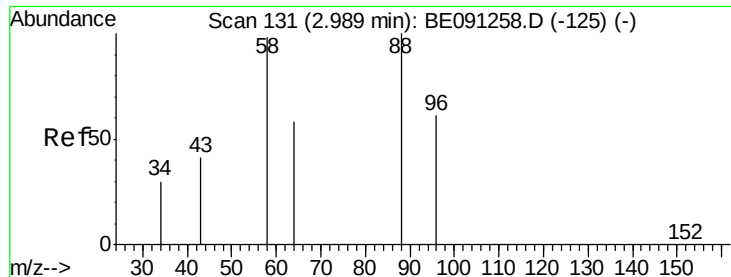
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.95 min Scan# 125

Delta R.T. -0.04 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

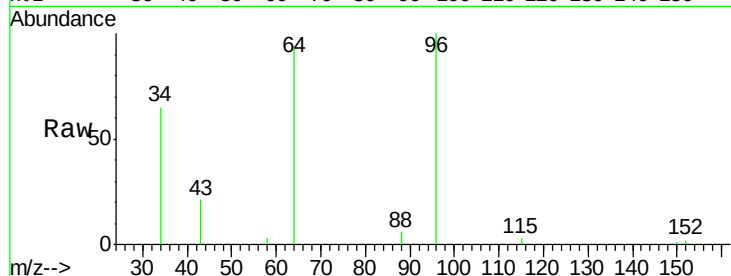
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

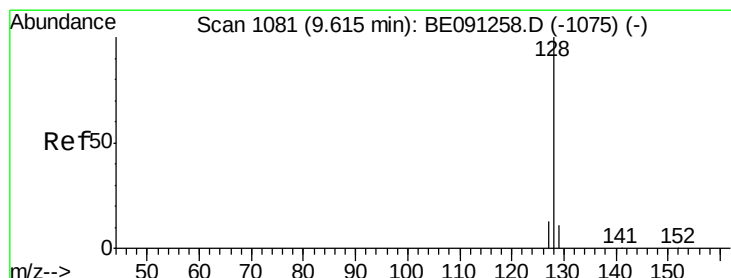
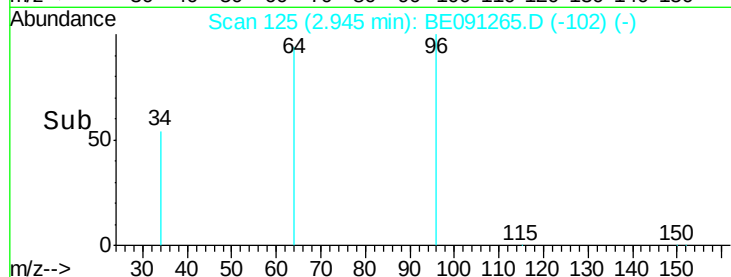
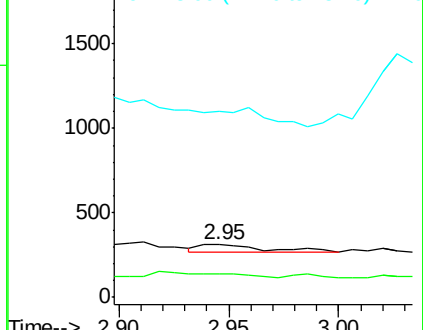
88 100

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: 0.02 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.03 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

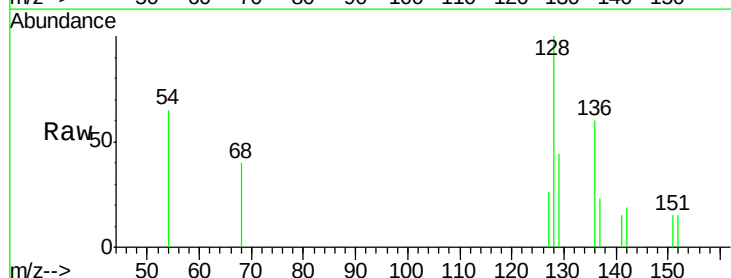
Tgt Ion: 128 Resp: 718

Ion Ratio Lower Upper

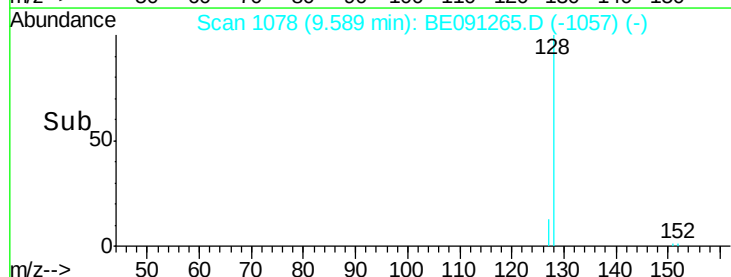
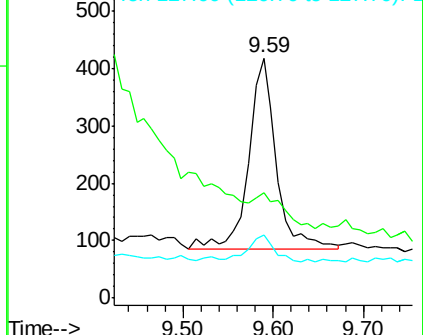
128 100

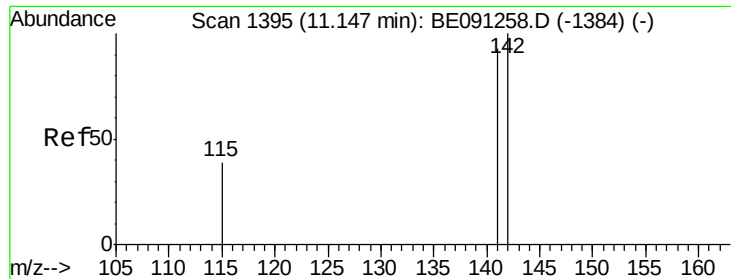
129 43.8 9.8 14.8#

127 26.3 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. -0.00 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

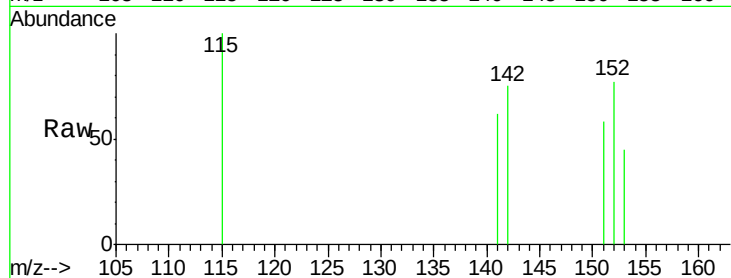
D9KL3MS

Tgt Ion:142 Resp: 82

Ion Ratio Lower Upper

142 100

141 102.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

400

300

200

100

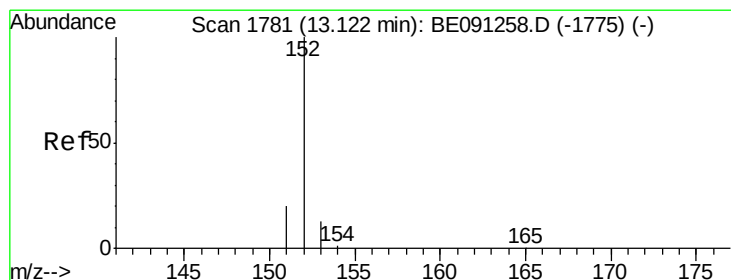
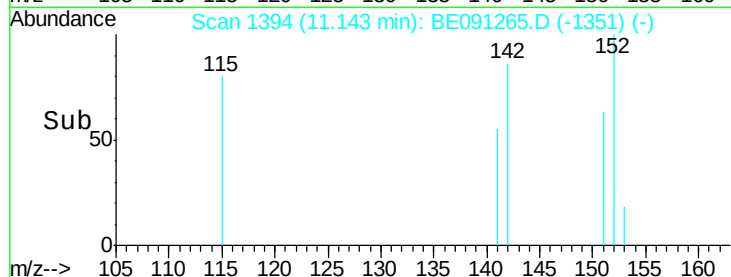
0

11.10

11.15

11.14

Time-->



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.08 min Scan# 1775

Delta R.T. -0.04 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

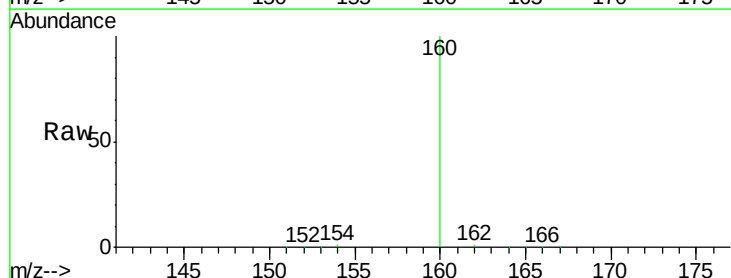
Tgt Ion:152 Resp: 188

Ion Ratio Lower Upper

152 100

151 70.9 16.8 25.2#

153 171.6 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

250

200

150

100

50

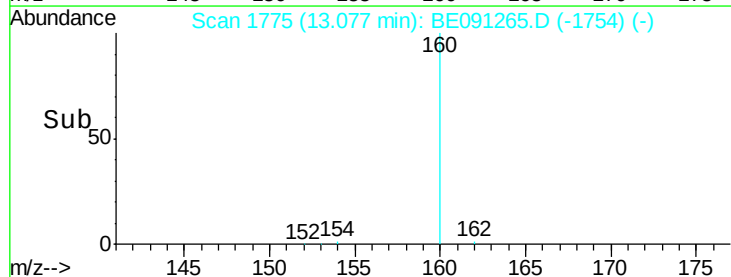
0

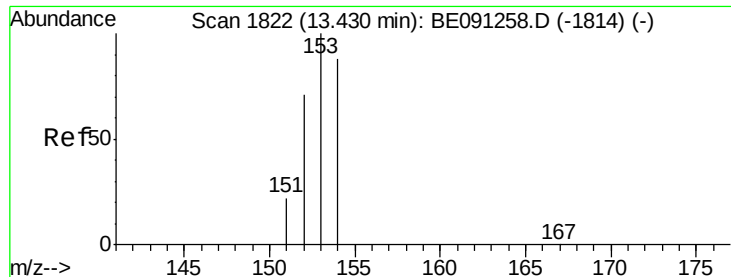
13.00

13.10

13.08

Time-->





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

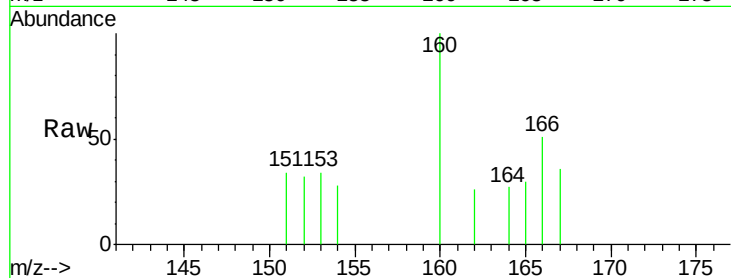
Tgt Ion:153 Resp: 113

Ion Ratio Lower Upper

153 100

152 95.7 42.3 63.5#

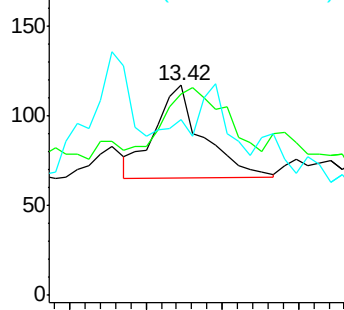
154 83.8 64.7 97.1



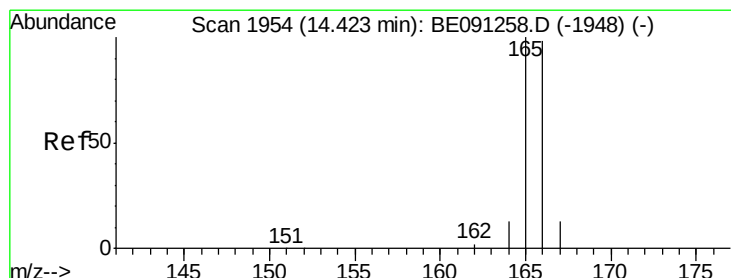
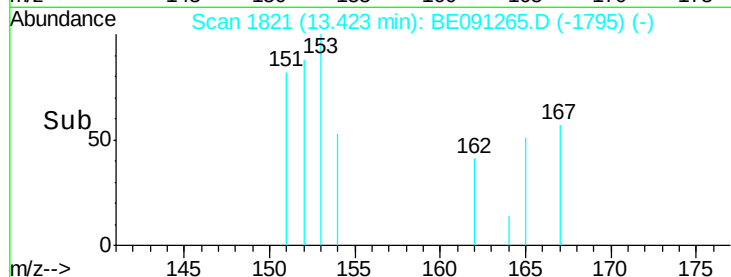
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 13.35 13.40 13.45 13.50



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

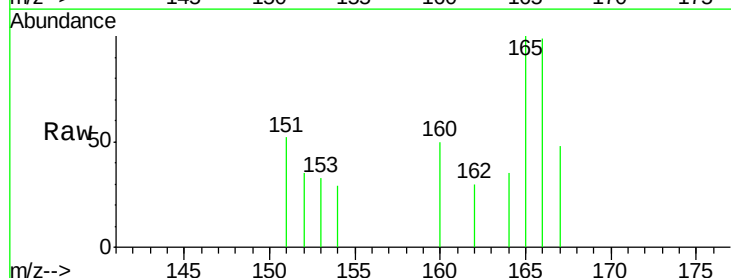
Tgt Ion:166 Resp: 287

Ion Ratio Lower Upper

166 100

165 101.4 87.6 131.4

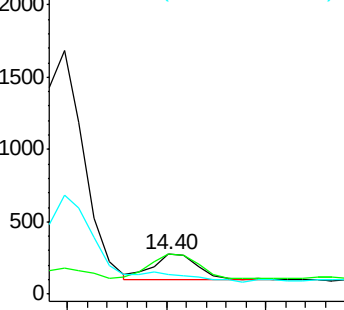
167 48.9 11.1 16.7#



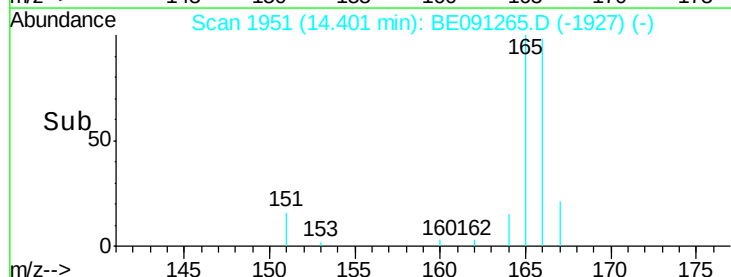
Abundance Ion 166.00 (165.70 to 166.70): E

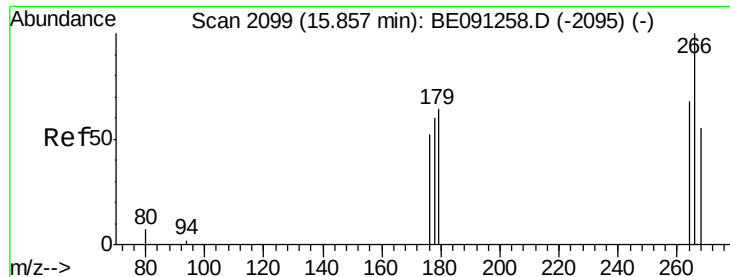
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 14.35 14.40 14.45

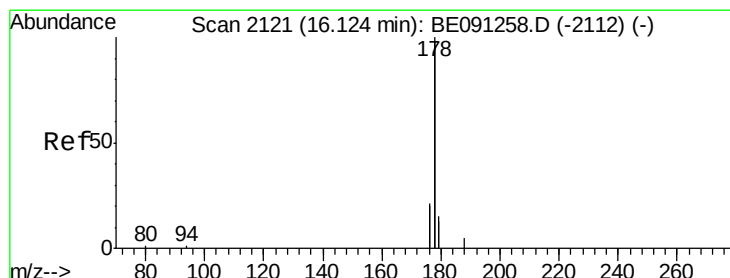
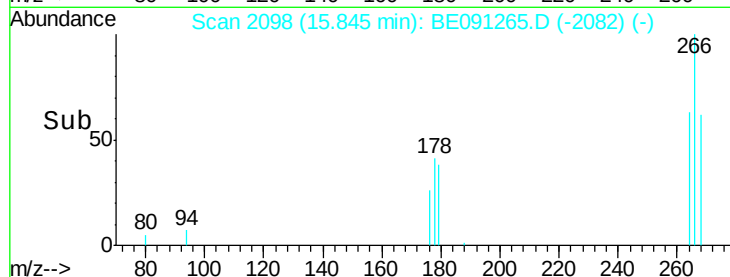
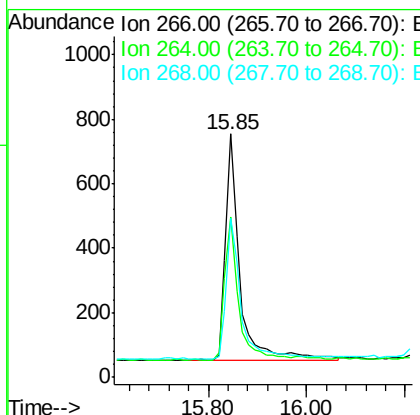
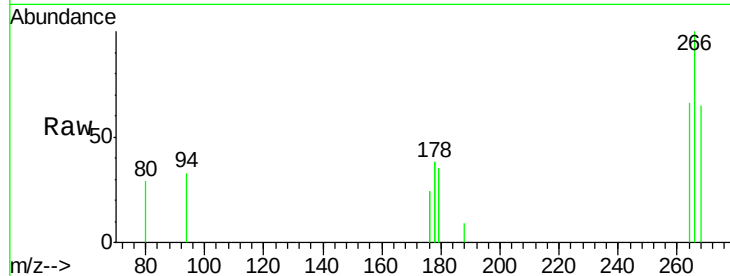




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091265.D
 Acq: 21 Nov 2015 4:28

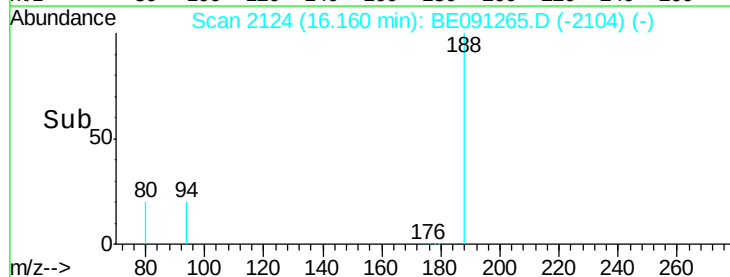
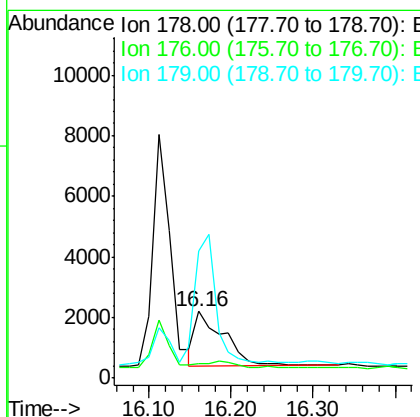
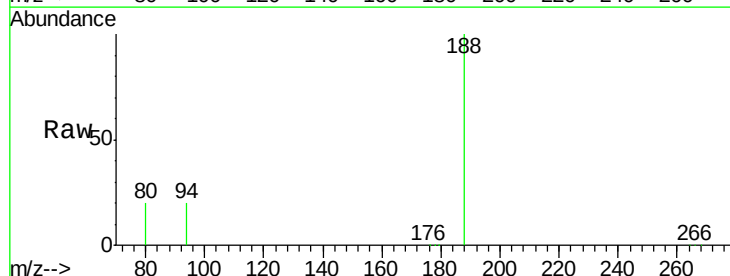
Instrument :
 BNA_E
 ClientSampleId :
 D9KL3MS

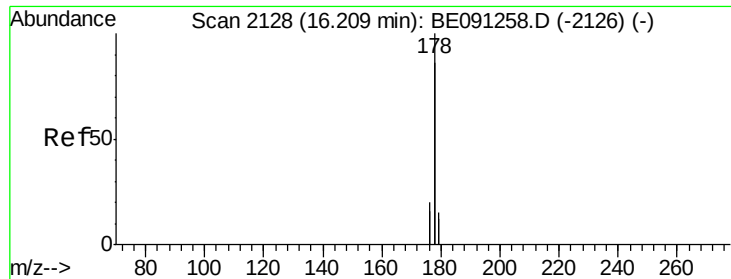
Tgt Ion: 266 Resp: 1457
 Ion Ratio Lower Upper
 266 100
 264 60.1 53.5 80.3
 268 64.6 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091265.D
 Acq: 21 Nov 2015 4:28

Tgt Ion: 178 Resp: 4312
 Ion Ratio Lower Upper
 178 100
 176 22.1 16.2 24.4
 179 190.9 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: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

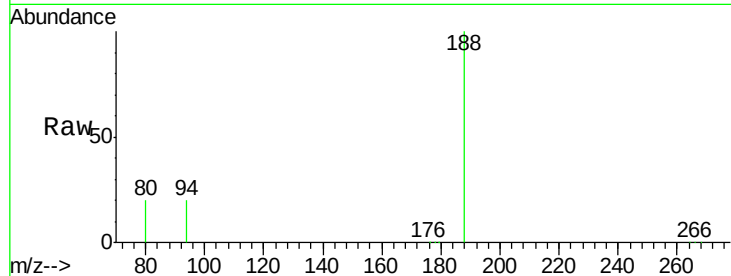
Tgt Ion:178 Resp: 4230

Ion Ratio Lower Upper

178 100

176 22.1 15.8 23.8

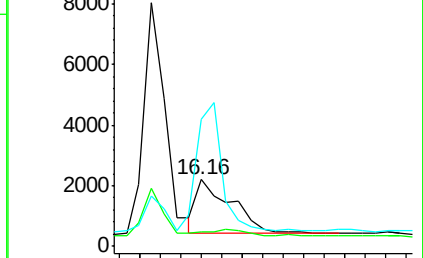
179 190.9 13.3 19.9#



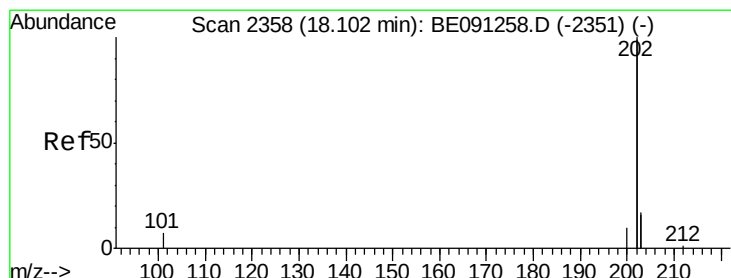
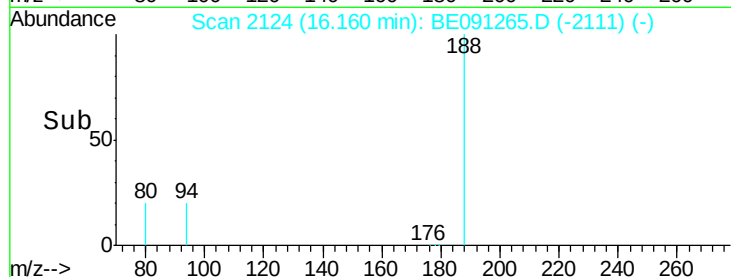
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

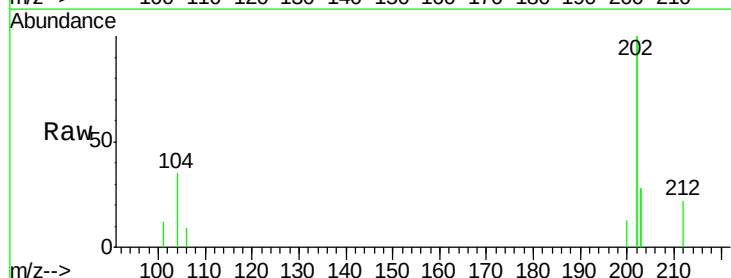
Tgt Ion:202 Resp: 7648

Ion Ratio Lower Upper

202 100

101 6.0 0.0 33.1

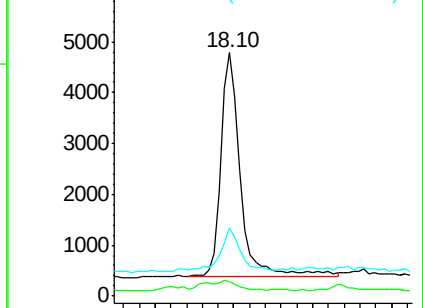
203 28.1 0.0 37.2



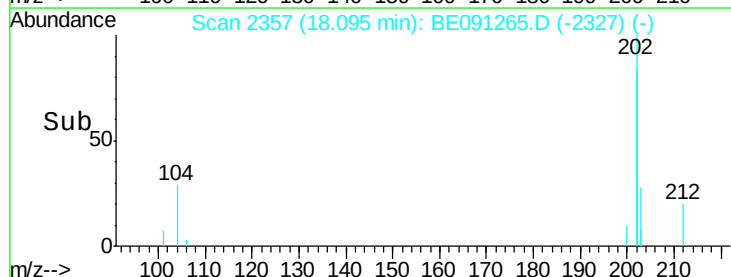
Abundance Ion 202.00 (201.70 to 202.70): E

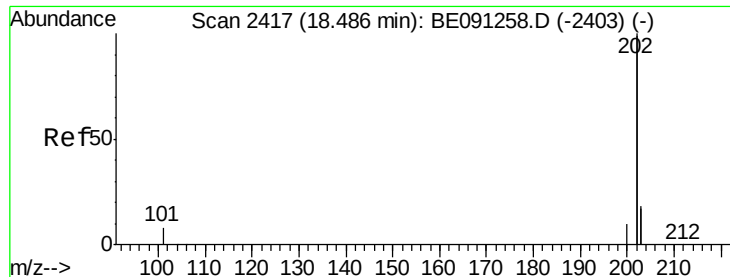
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#19

Pyrene

Concen: 0.08 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

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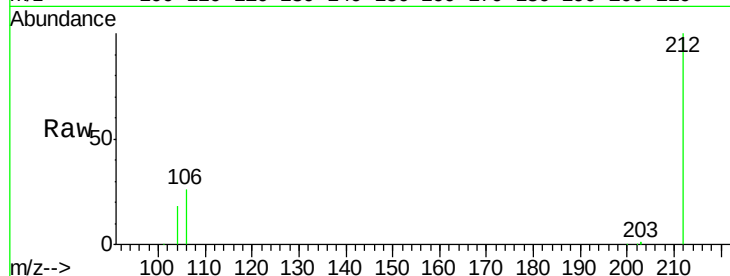
Tgt Ion:202 Resp: 17959

Ion Ratio Lower Upper

202 100

200 2.1 18.0 27.0#

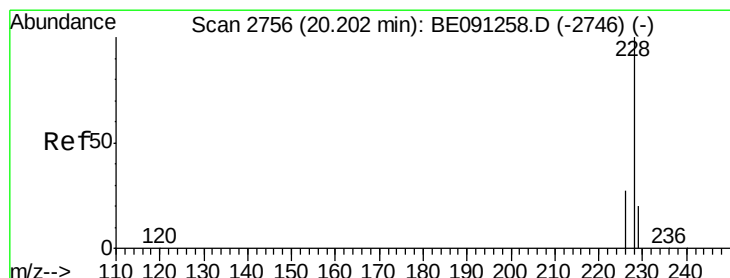
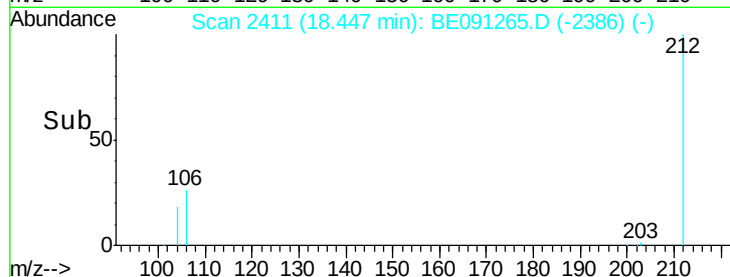
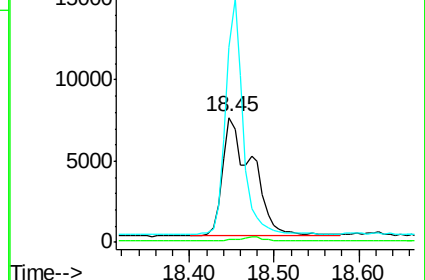
203 155.8 13.8 20.6#



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: 0.02 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

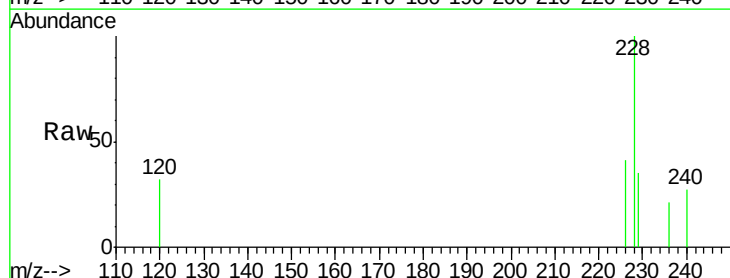
Tgt Ion:228 Resp: 1048

Ion Ratio Lower Upper

228 100

226 41.3 23.0 34.4#

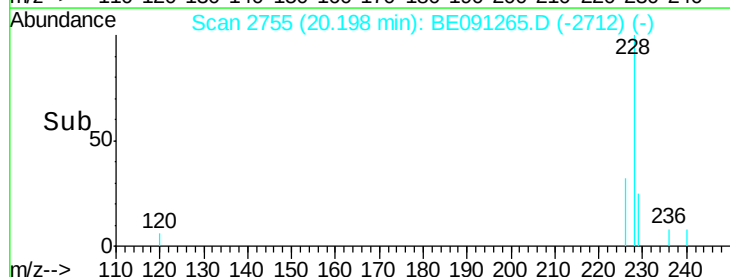
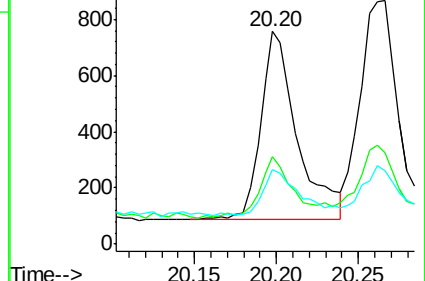
229 34.9 15.2 22.8#

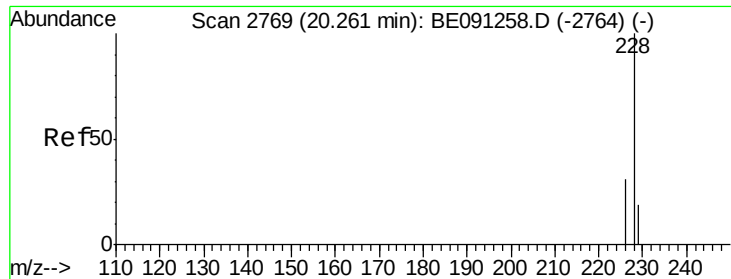


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

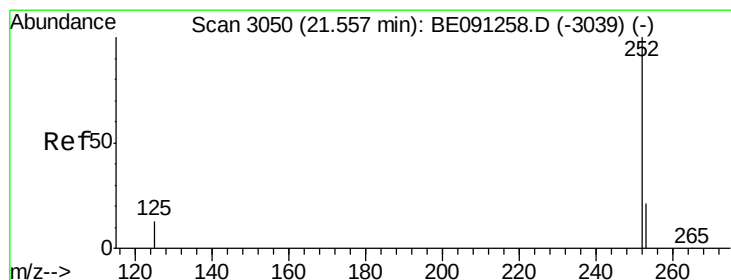
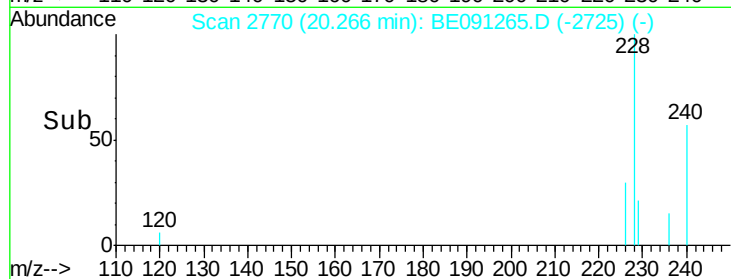
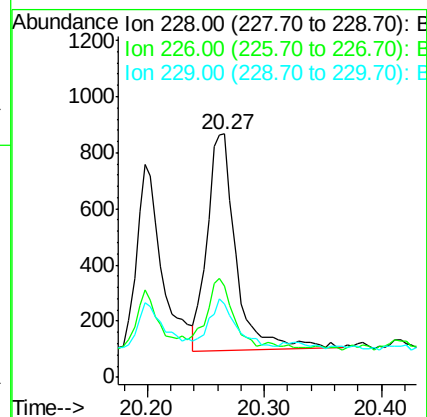
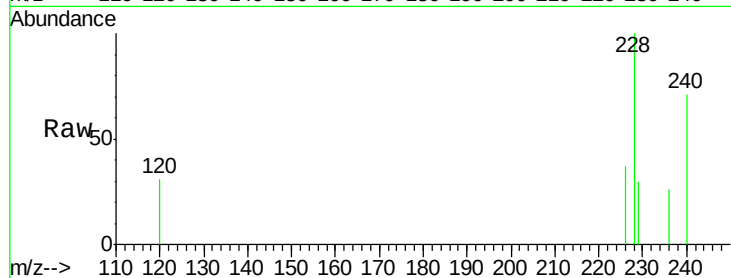
Tgt Ion:228 Resp: 1319

Ion Ratio Lower Upper

228 100

226 37.4 25.7 38.5

229 30.2 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.43 min Scan# 3022

Delta R.T. -0.13 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

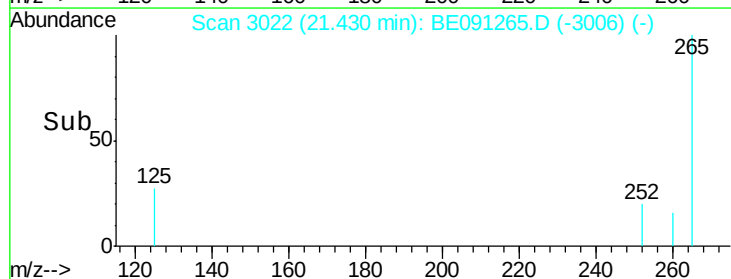
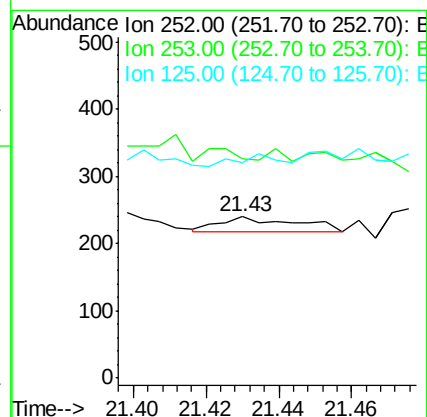
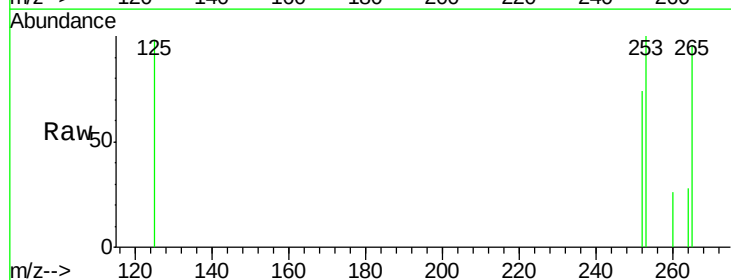
Tgt Ion:252 Resp: 33

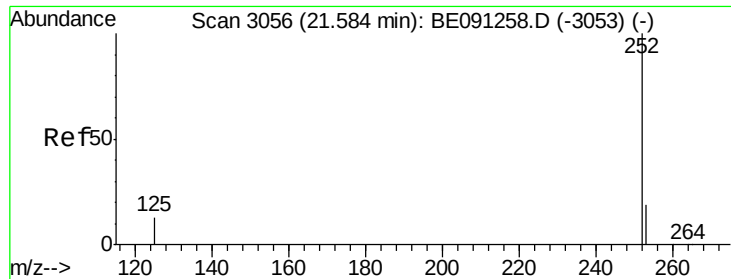
Ion Ratio Lower Upper

252 100

253 135.8 0.0 48.0#

125 133.3 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.48 min Scan# 3032

Delta R.T. -0.11 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

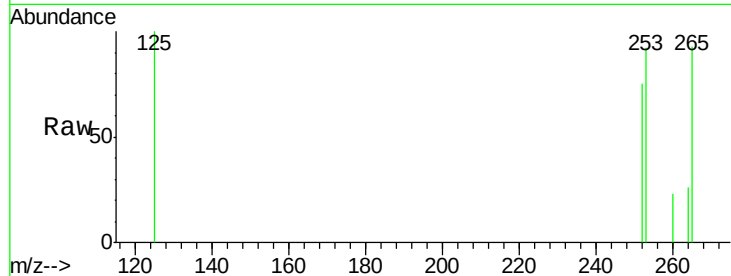
Tgt Ion:252 Resp: 27

Ion Ratio Lower Upper

252 100

253 122.3 20.8 31.2#

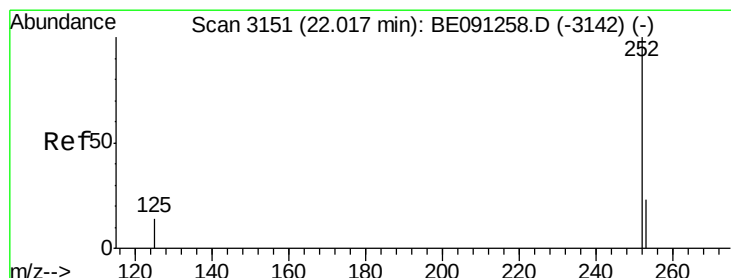
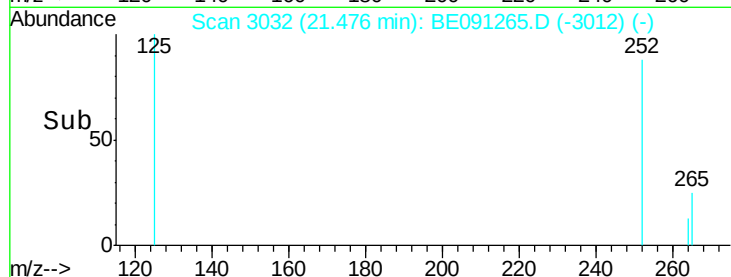
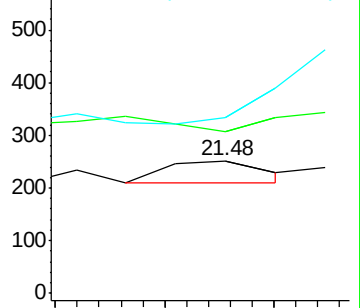
125 132.7 12.2 18.4#



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: 21.98 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

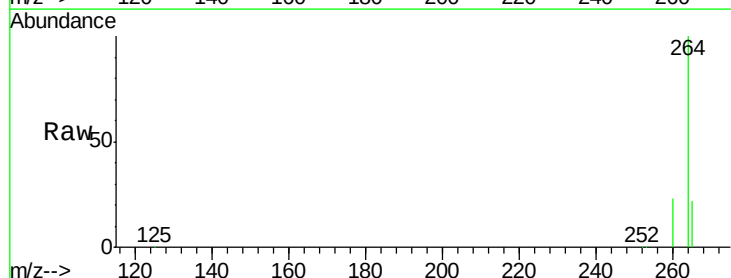
Tgt Ion:252 Resp: 6691

Ion Ratio Lower Upper

252 100

253 36.9 21.8 32.8#

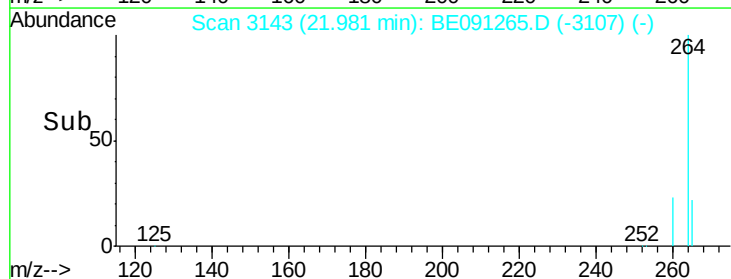
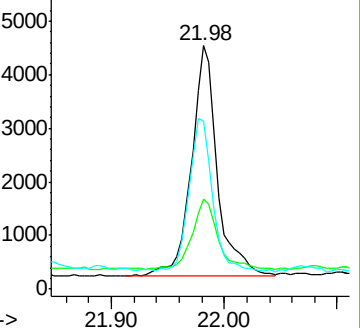
125 69.2 14.5 21.7#

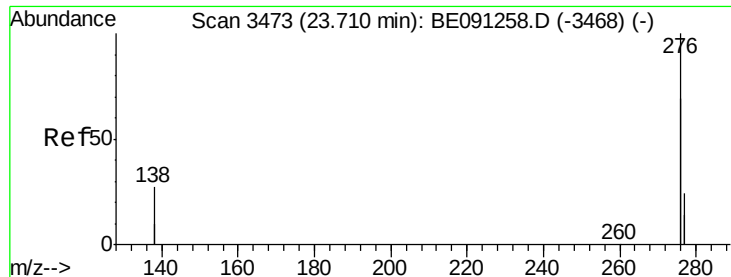


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.71 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS

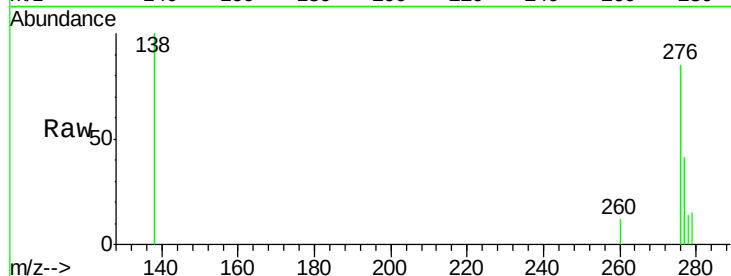
Tgt Ion:276 Resp: 1380

Ion Ratio Lower Upper

276 100

138 38.6 27.5 41.3

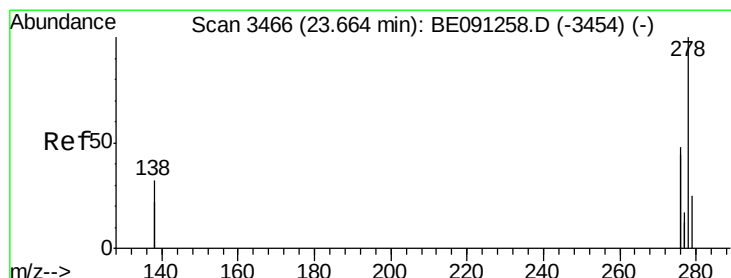
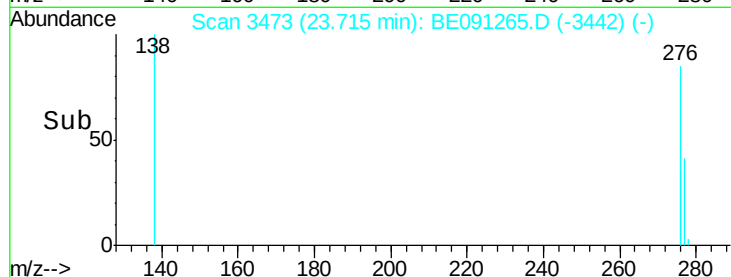
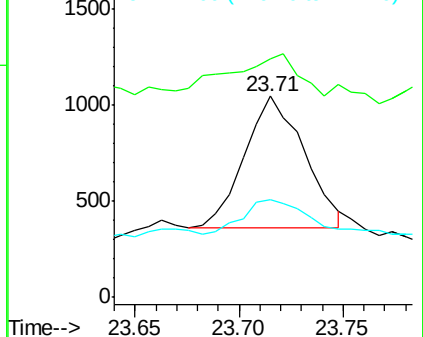
277 26.6 19.3 28.9



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: 23.53 min Scan# 3445

Delta R.T. -0.13 min

Lab File: BE091265.D

Acq: 21 Nov 2015 4:28

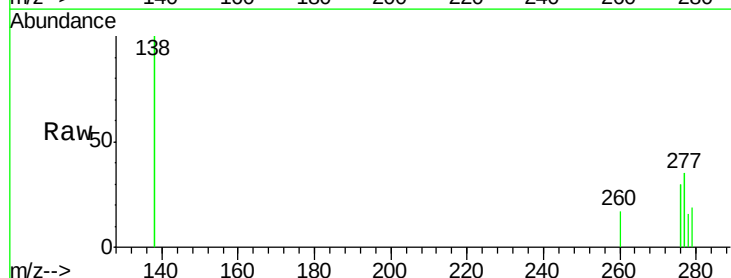
Tgt Ion:278 Resp: 19

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

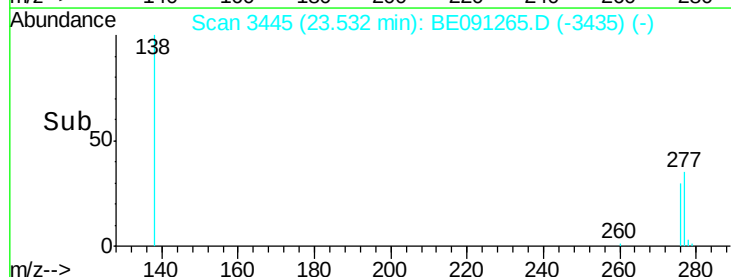
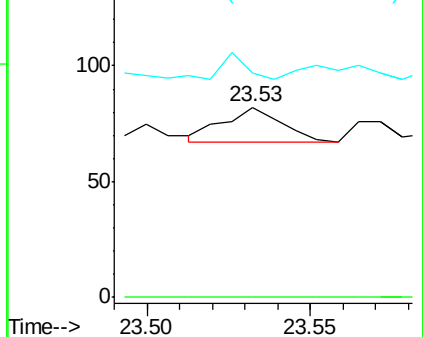
279 118.3 21.9 32.9#

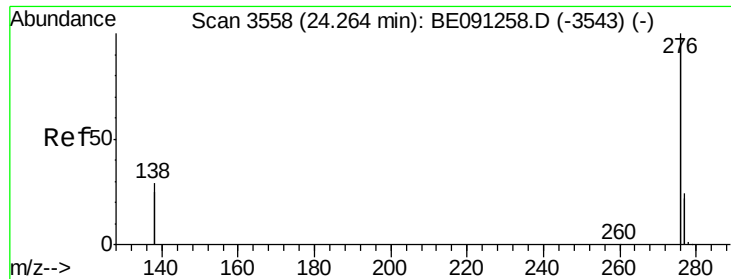


Abundance Ion 278.00 (277.70 to 278.70): E

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. 0.00 min

Lab File: BE091265.D

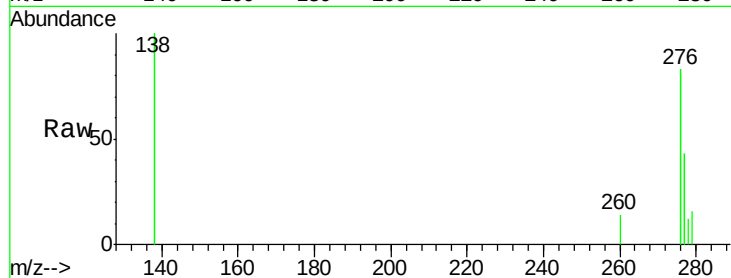
Acq: 21 Nov 2015 4:28

Instrument :

BNA_E

ClientSampleId :

D9KL3MS



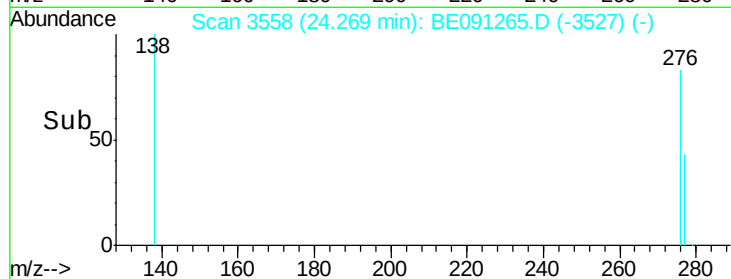
Tgt Ion: 276 Resp: 1846

Ion Ratio Lower Upper

276 100

277 51.3 21.3 31.9#

138 119.8 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

