

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091249.D
 Acq On : 20 Nov 2015 17:15
 Operator : UM/NP
 Sample : G4320-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J44

Quant Time: Nov 21 02:53:47 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 02:52:22 2015
 Response via : Initial Calibration

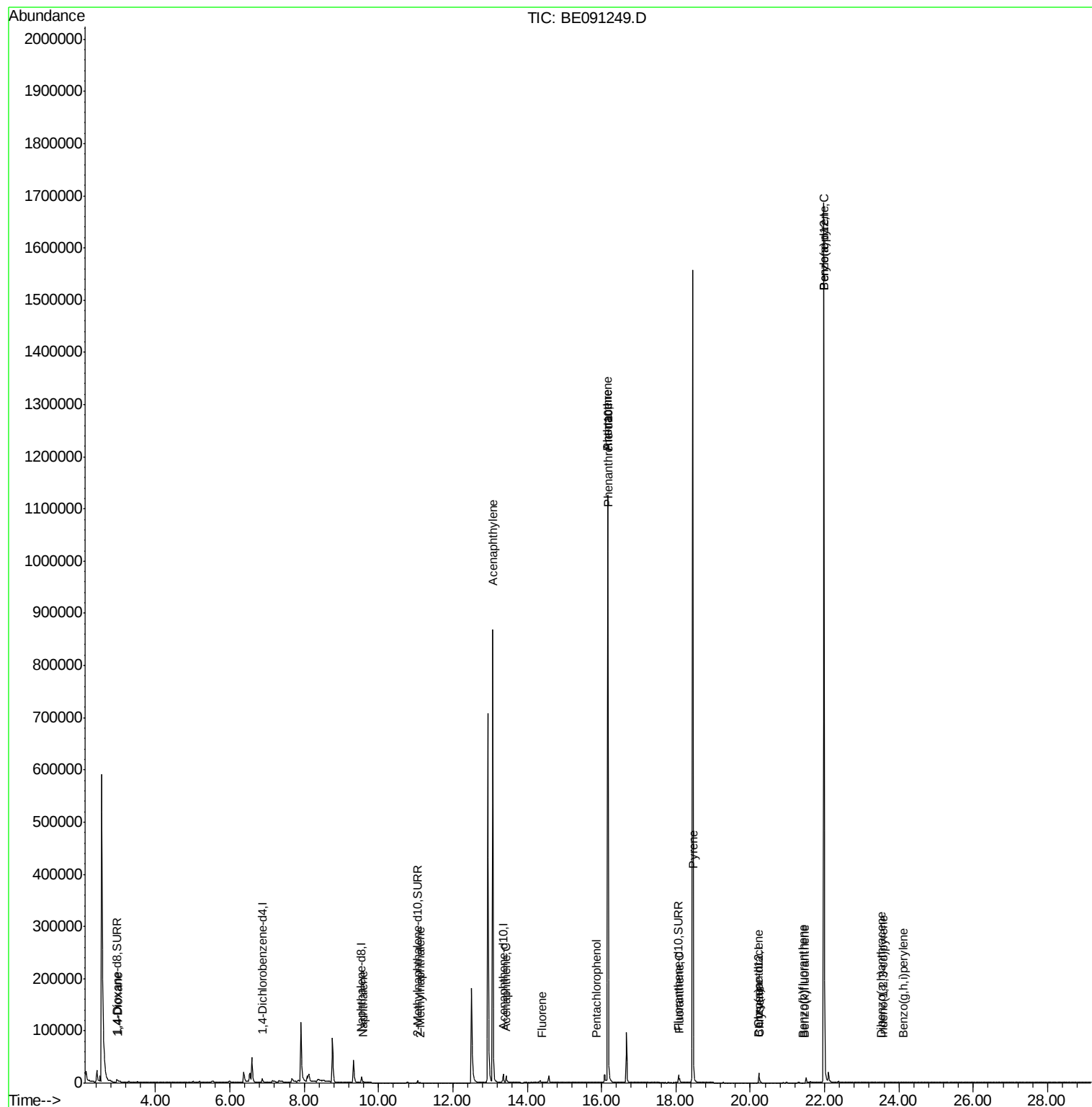
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2985	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	14293	0.40	ng/ul	-0.03
8) Acenaphthene-d10	13.36	164	8021	0.40	ng/ul	-0.02
12) Phenanthrene-d10	16.17	188	1396888	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	19734	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1676648	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	6399	2.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.05	152	6058	0.31	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	15343	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.99	88	19	0.01	ng/ul#	1
5) Naphthalene	9.58	128	1523	0.04	ng/ul#	74
7) 2-Methylnaphthalene	11.12	142	254	0.01	ng/ul	87
9) Acenaphthylene	13.07	152	375	0.01	ng/ul#	1
10) Acenaphthene	13.44	153	3147	0.11	ng/ul#	43
11) Fluorene	14.40	166	208	0.01	ng/ul#	77
13) Pentachlorophenol	15.86	266	299	0.00	ng/ul	90
14) Phenanthrene	16.16	178	4554	0.00	ng/ul#	1
15) Anthracene	16.16	178	4516	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	10357	0.00	ng/ul	87
19) Pyrene	18.47	202	22335	0.10	ng/ul#	63
20) Benzo(a)anthracene	20.21	228	1164	0.02	ng/ul#	92
21) Chrysene	20.26	228	1655	0.03	ng/ul#	90
23) Benzo(b)fluoranthene	21.41	252	16	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.45	252	16	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6498	0.00	ng/ul#	53
26) Indeno(1,2,3-cd)pyrene	23.58	276	21	0.00	ng/ul#	45
27) Dibenzo(a,h)anthracene	23.53	278	10	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	24	0.00	ng/ul#	1

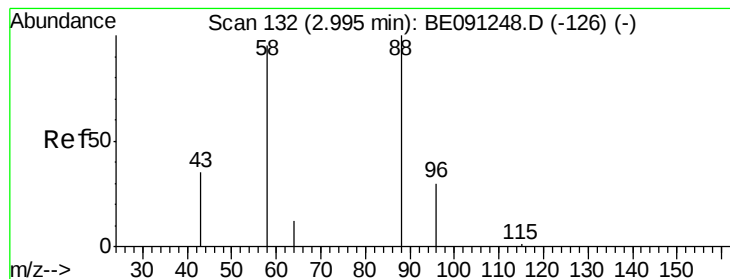
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. -0.00 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

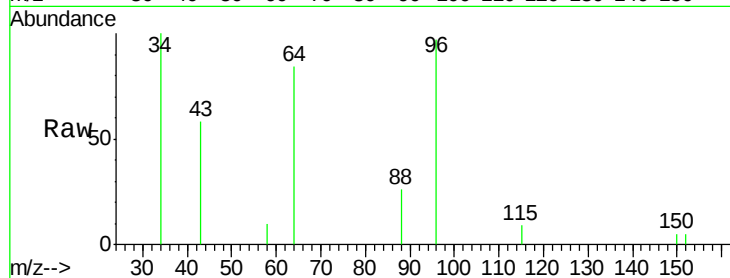
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

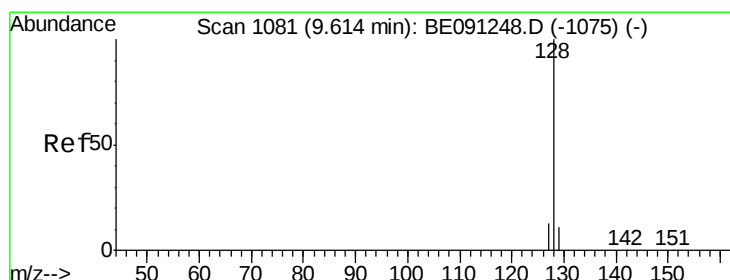
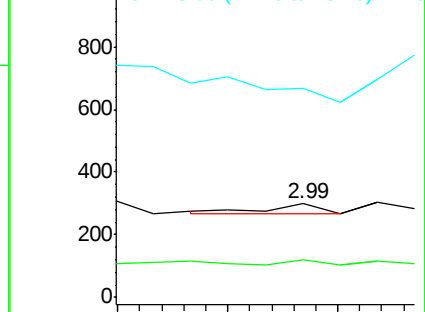
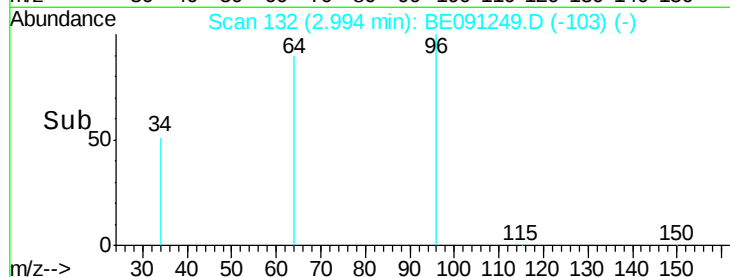
88 100

58 436.8 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: 0.04 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.03 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

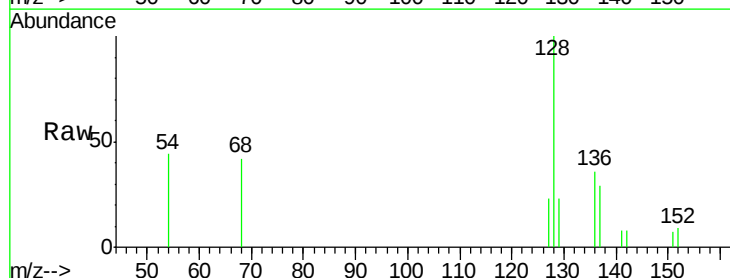
Tgt Ion: 128 Resp: 1523

Ion Ratio Lower Upper

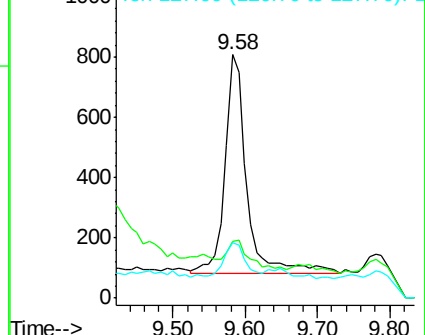
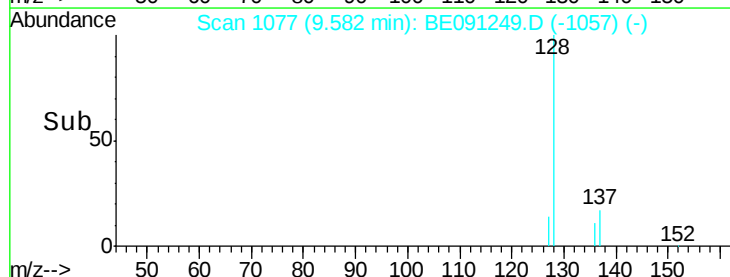
128 100

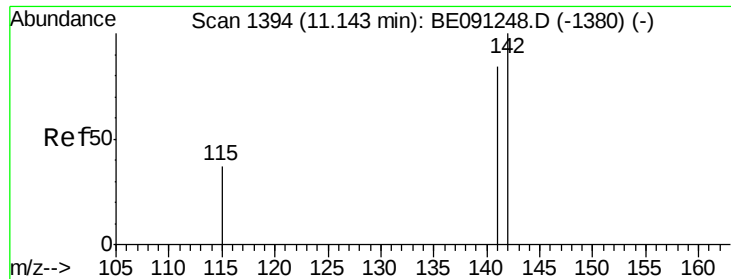
129 23.4 9.8 14.8#

127 22.9 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: 0.01 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

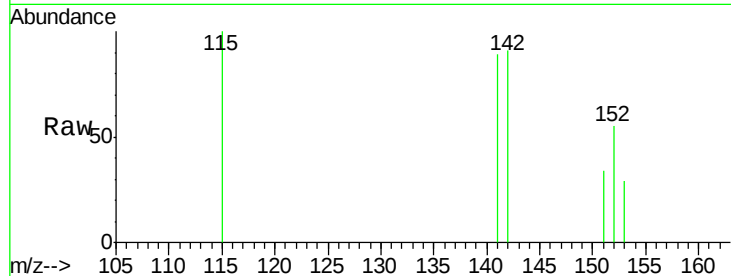
A4J44

Tot Ion:142 Resp: 254

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.12

250

200

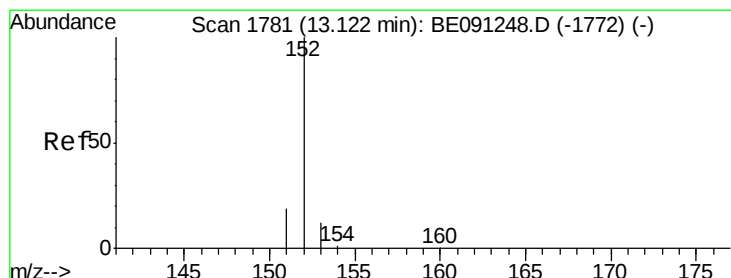
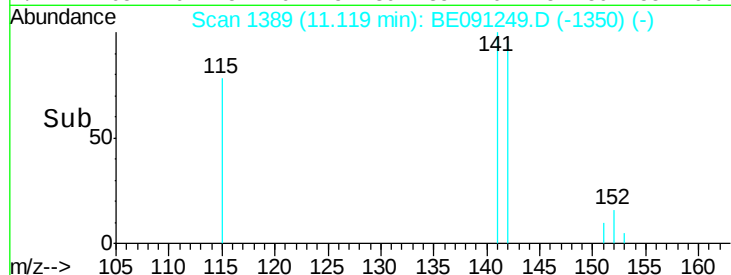
150

100

50

0

Time-->



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

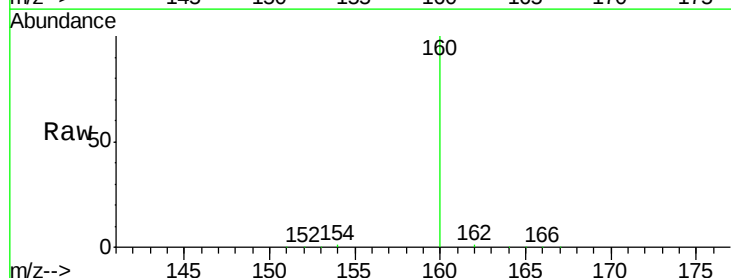
Tgt Ion:152 Resp: 375

Ion Ratio Lower Upper

152 100

151 71.0 16.8 25.2#

153 100.4 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

13.07

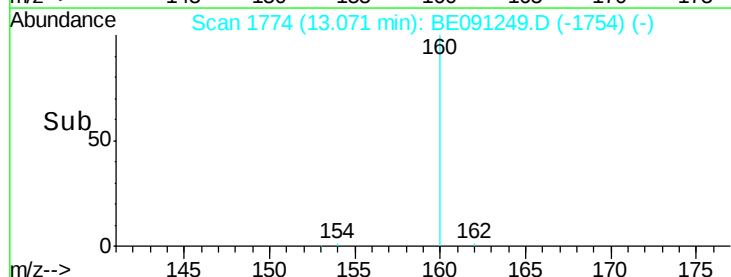
300

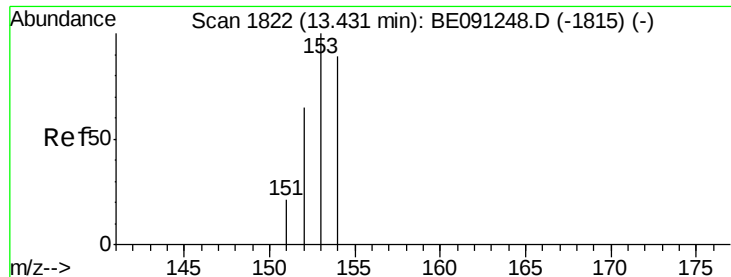
200

100

0

Time-->





#10

Acenaphthene

Concen: 0.11 ng/ul

RT: 13.44 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampled :

A4J44

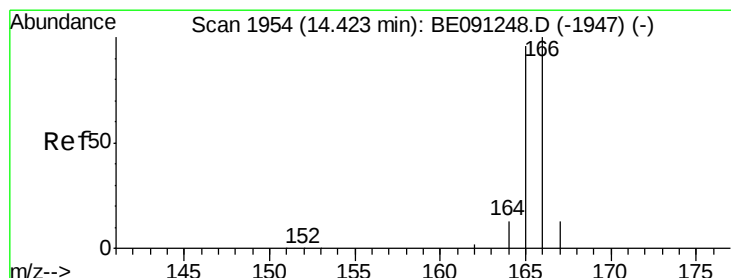
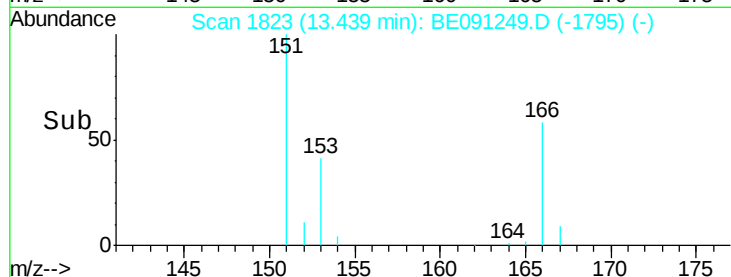
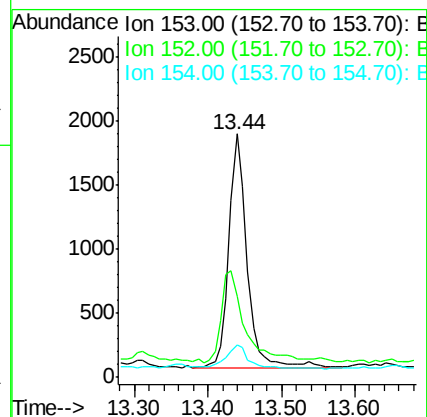
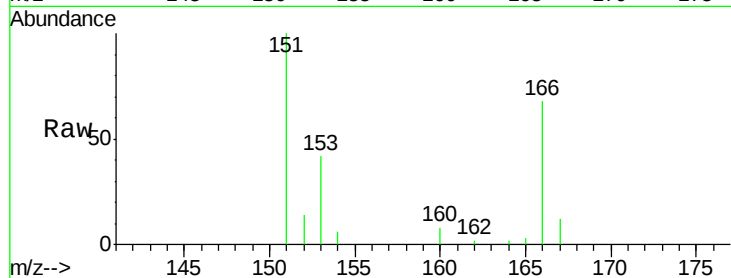
Tot Ion:153 Resp: 3147

Ion Ratio Lower Upper

153 100

152 33.2 42.3 63.5#

154 13.3 64.7 97.1#



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

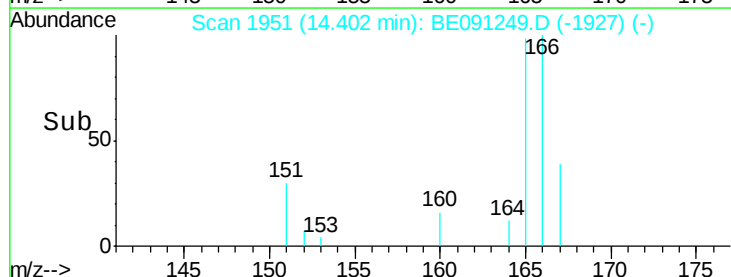
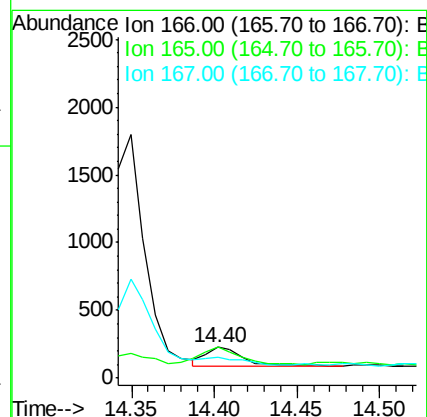
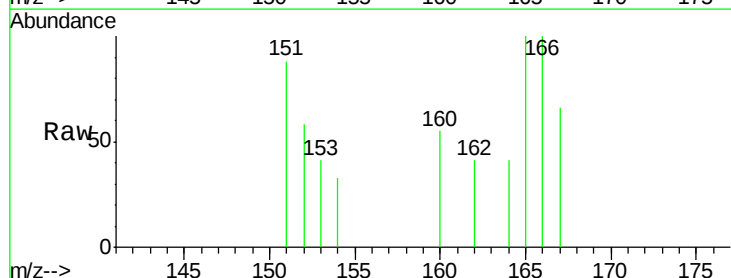
Tgt Ion:166 Resp: 208

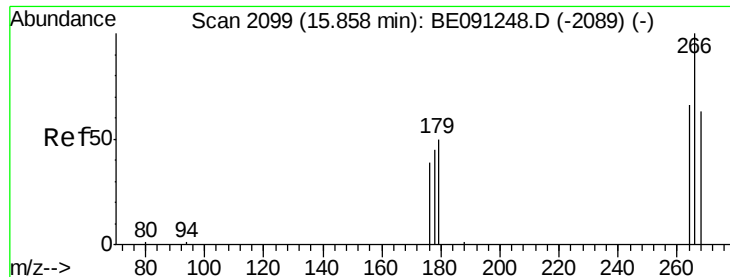
Ion Ratio Lower Upper

166 100

165 100.0 87.6 131.4

167 66.4 11.1 16.7#

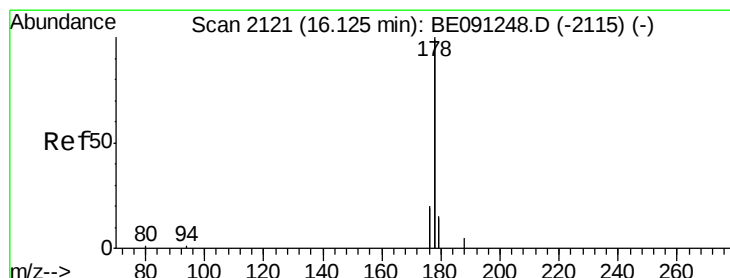
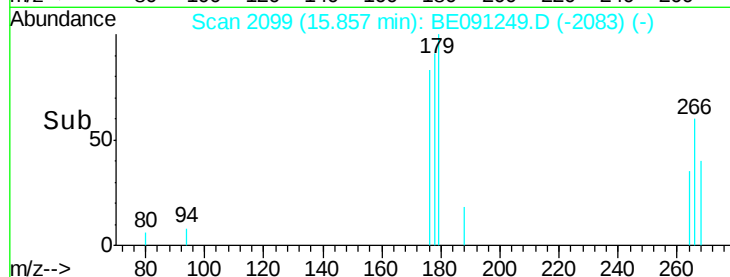
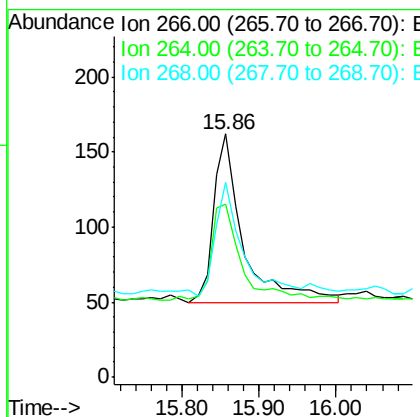
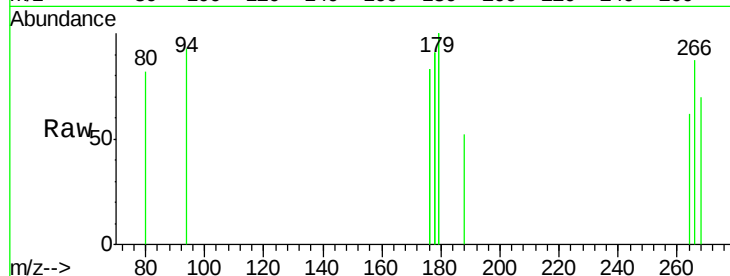




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091249.D
 Acq: 20 Nov 2015 17:15

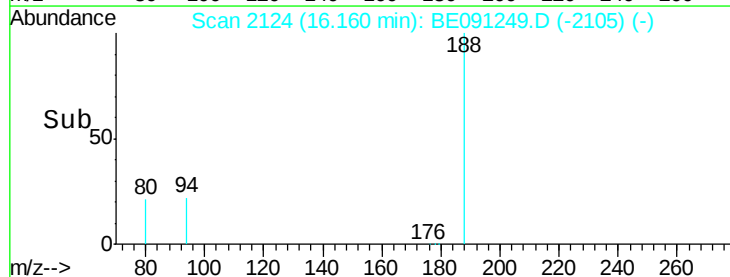
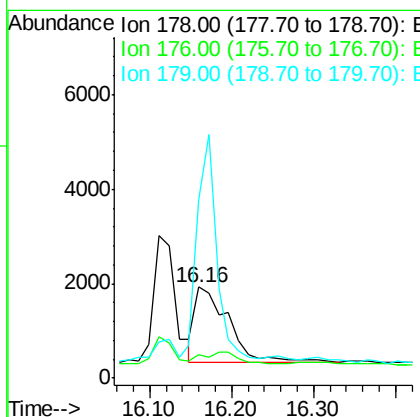
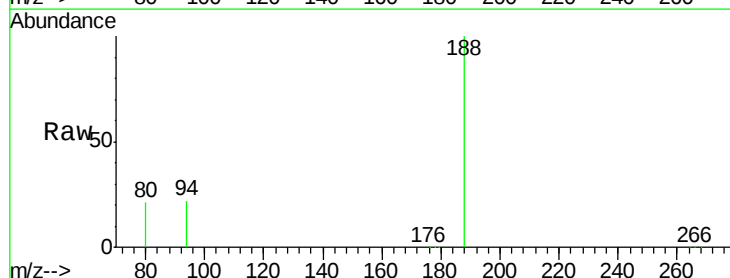
Instrument :
 BNA_E
 ClientSampleId :
 A4J44

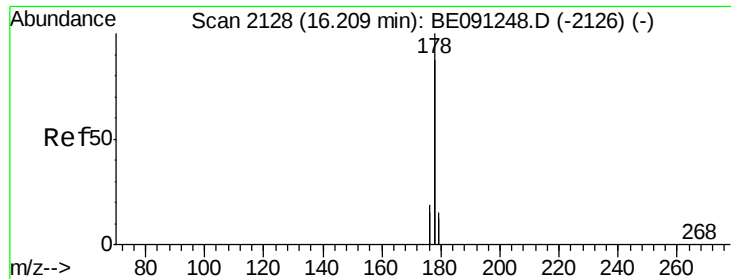
Tot Ion:266 Resp: 299
 Ion Ratio Lower Upper
 266 100
 264 60.5 53.5 80.3
 268 58.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091249.D
 Acq: 20 Nov 2015 17:15

Tgt Ion:178 Resp: 4554
 Ion Ratio Lower Upper
 178 100
 176 25.1 16.2 24.4#
 179 195.2 12.8 19.2#

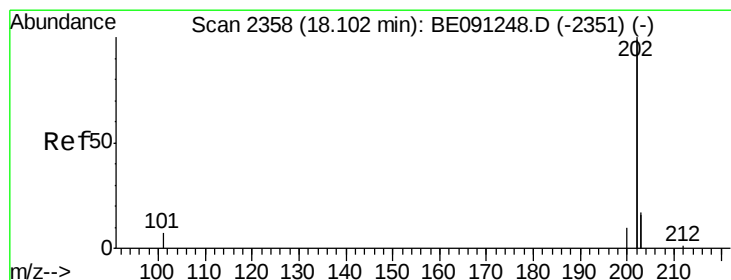
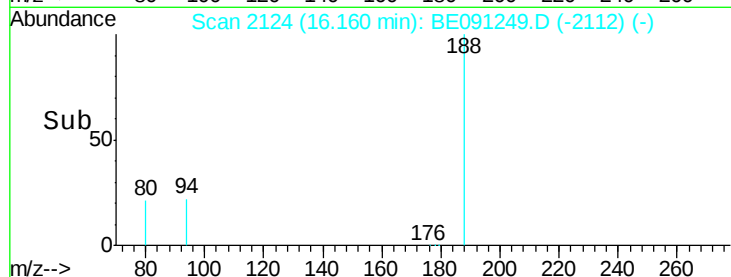
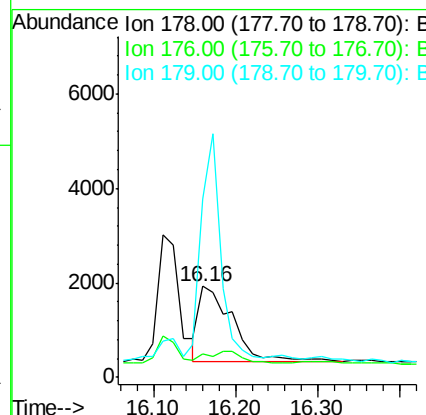
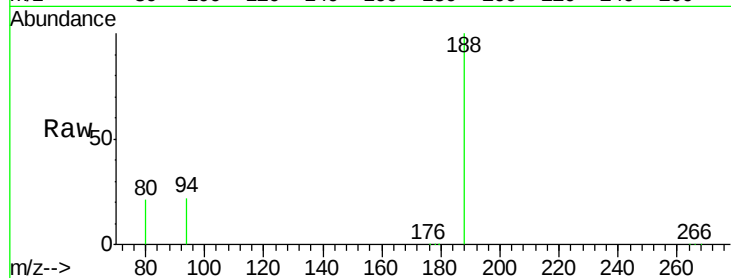




#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. -0.05 min
 Lab File: BE091249.D
 Acq: 20 Nov 2015 17:15

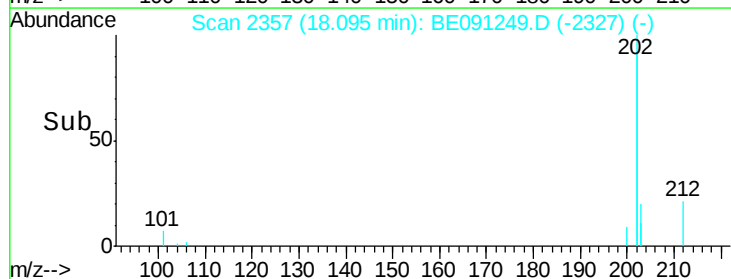
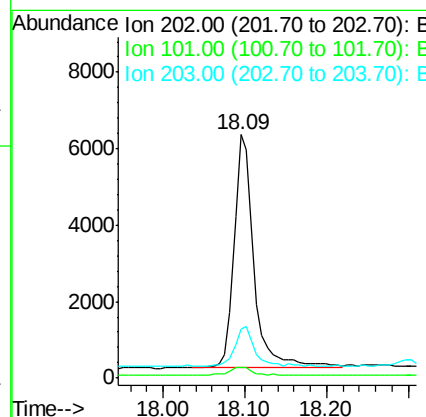
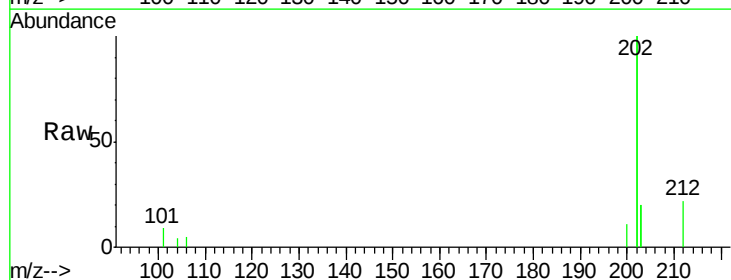
Instrument :
 BNA_E
 ClientSampleId :
 A4J44

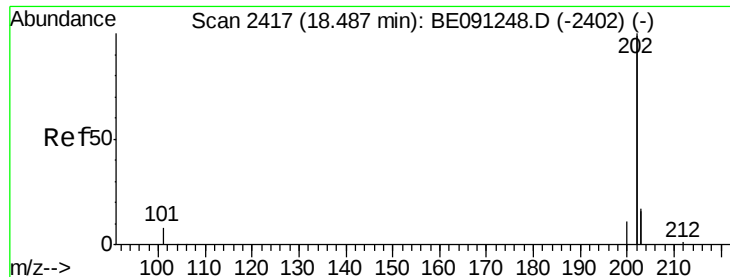
Tot Ion:178 Resp: 4516
 Ion Ratio Lower Upper
 178 100
 176 25.1 15.8 23.8#
 179 195.2 13.3 19.9#



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.09 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091249.D
 Acq: 20 Nov 2015 17:15

Tgt Ion:202 Resp: 10357
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 33.1
 203 20.4 0.0 37.2





#19

Pvrene

Concen: 0.10 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

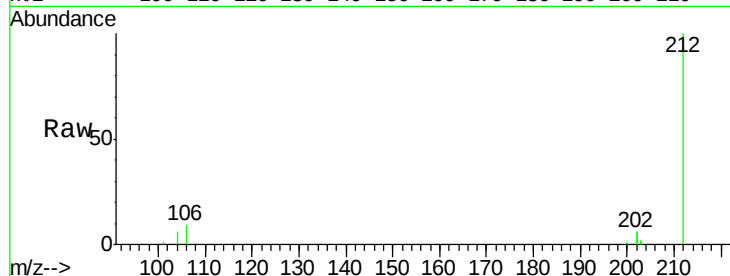
Tot Ion:202 Resp: 22335

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

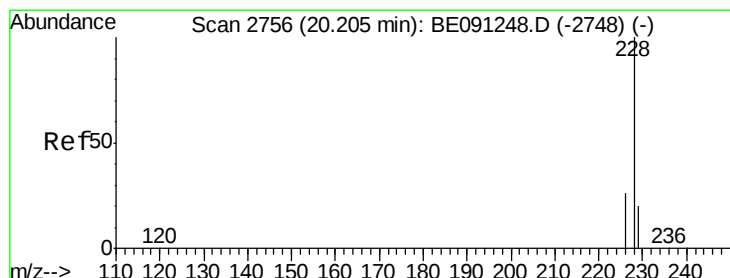
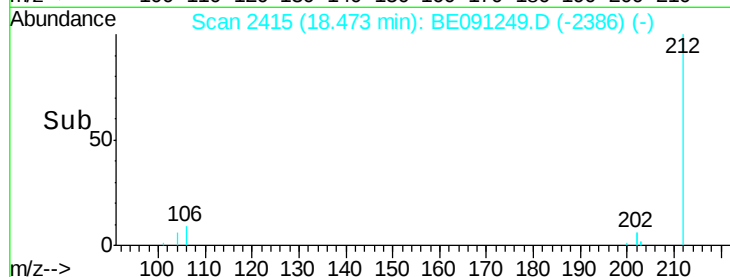
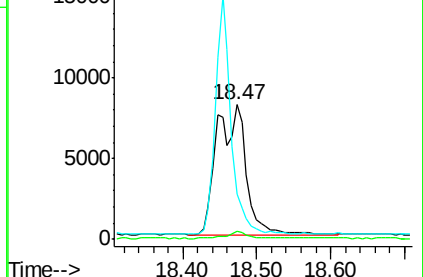
203 34.0 13.8 20.6#



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: 20.21 min Scan# 2757

Delta R.T. 0.00 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

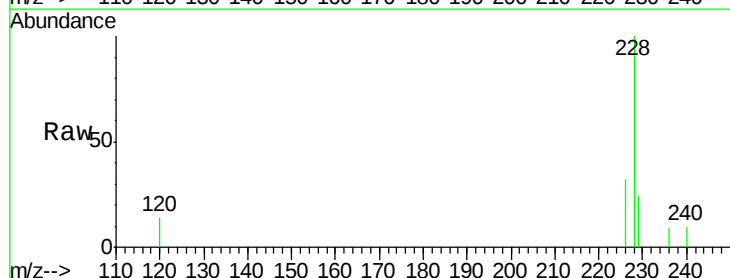
Tgt Ion:228 Resp: 1164

Ion Ratio Lower Upper

228 100

226 31.6 23.0 34.4

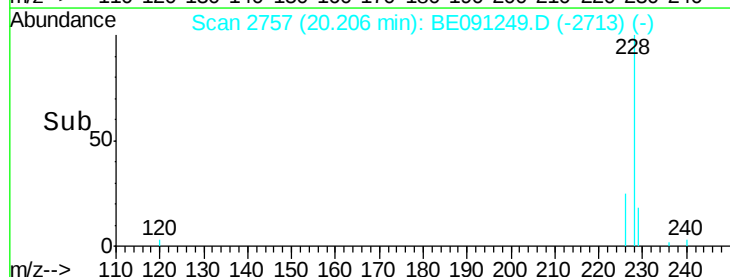
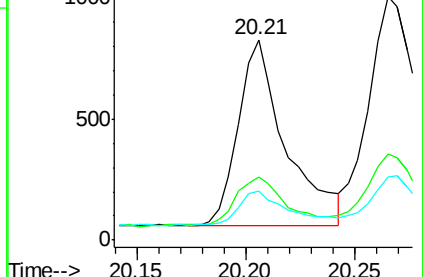
229 24.4 15.2 22.8#

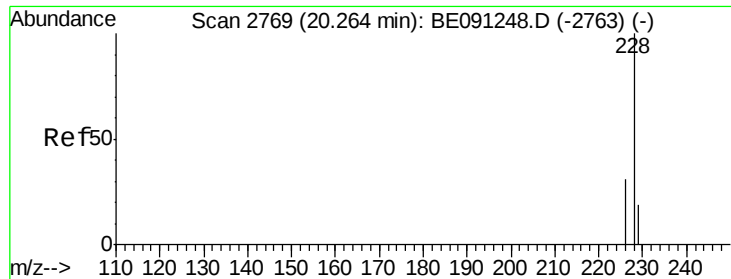


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.03 ng/ul

RT: 20.26 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

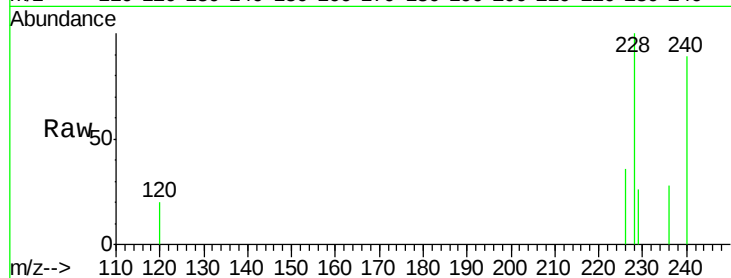
Tot Ion:228 Resp: 1655

Ion Ratio Lower Upper

228 100

226 35.7 25.7 38.5

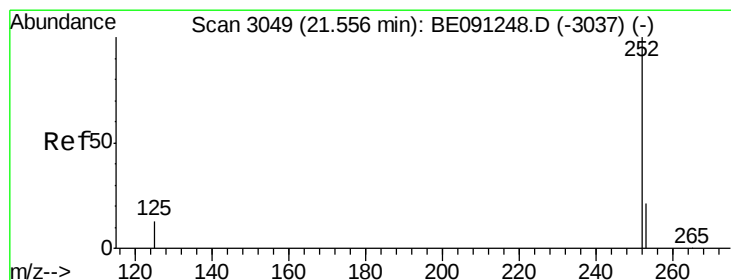
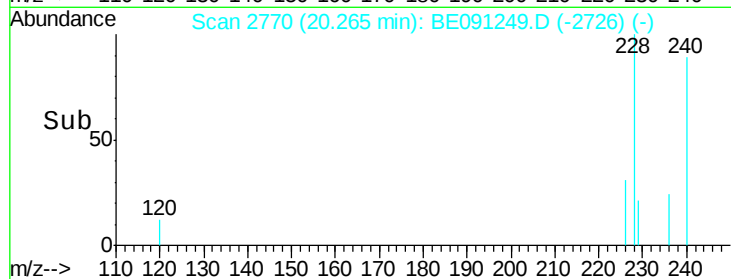
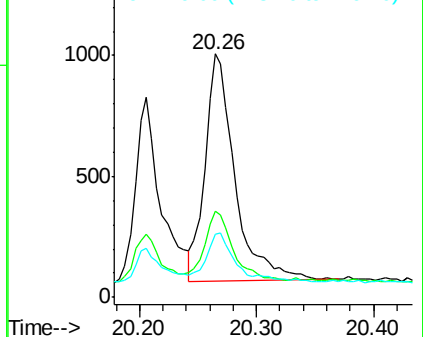
229 26.1 15.2 22.8#



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: 21.41 min Scan# 3018

Delta R.T. -0.14 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

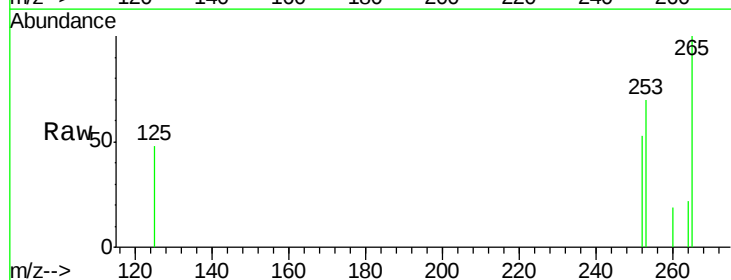
Tgt Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 132.1 0.0 48.0#

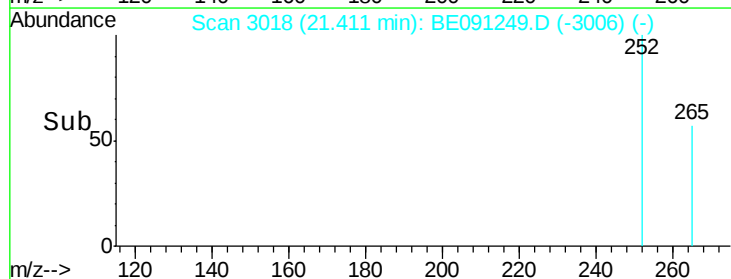
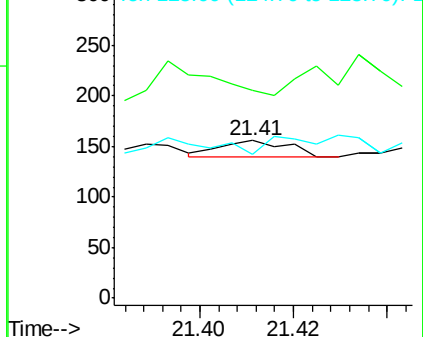
125 91.0 0.0 36.6#

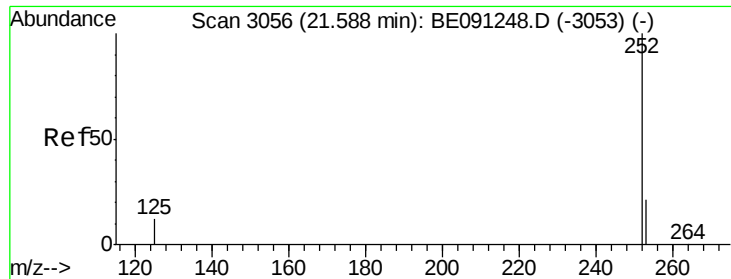


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 21.45 min Scan# 3027

Delta R.T. -0.14 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

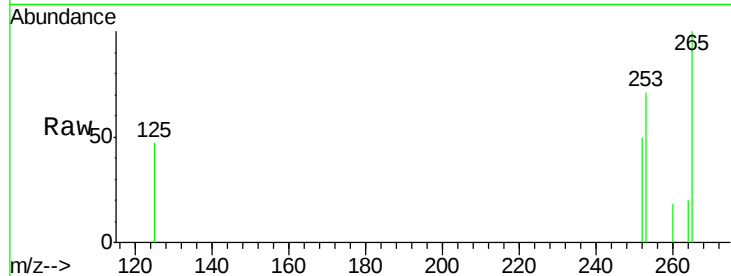
Tot Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 141.2 20.8 31.2#

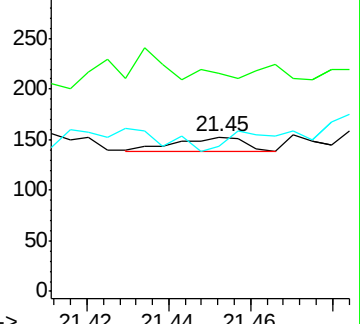
125 93.5 12.2 18.4#



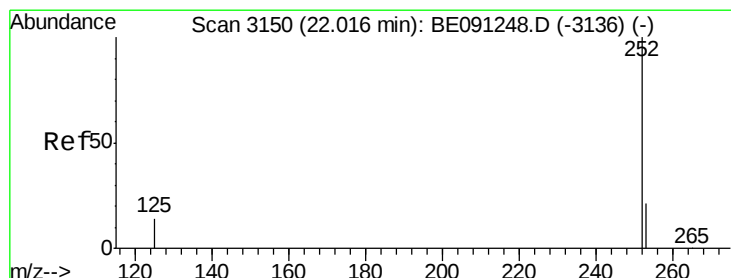
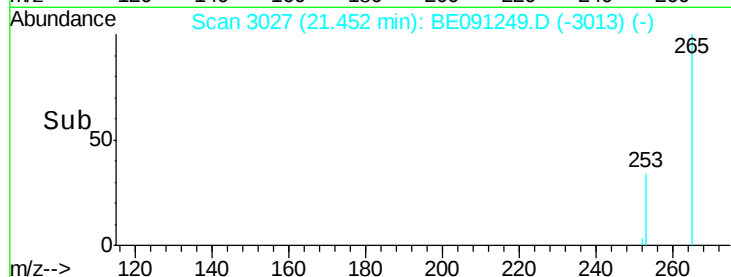
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

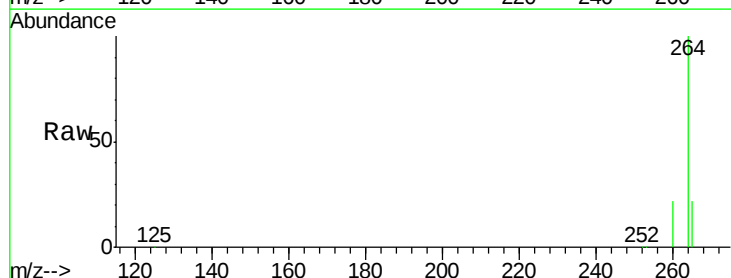
Tgt Ion:252 Resp: 6498

Ion Ratio Lower Upper

252 100

253 33.6 21.8 32.8#

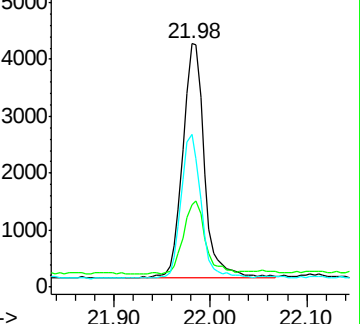
125 62.5 14.5 21.7#



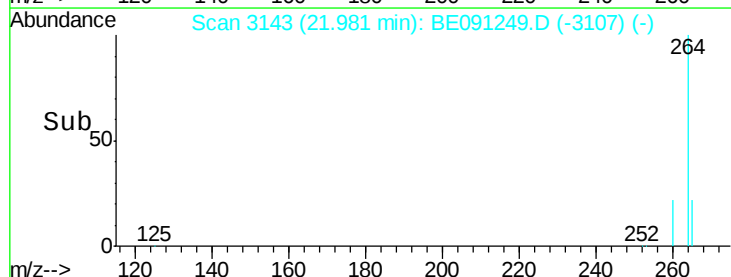
Abundance Ion 252.00 (251.70 to 252.70): E

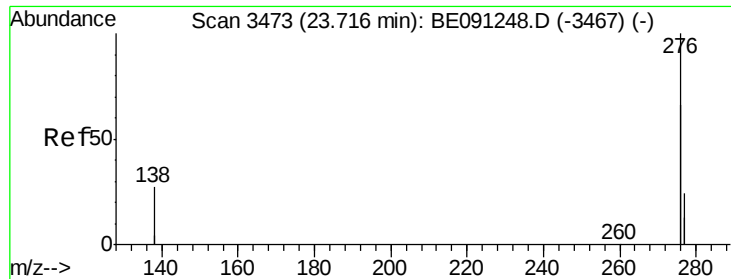
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.58 min Scan# 3453

Delta R.T. -0.14 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

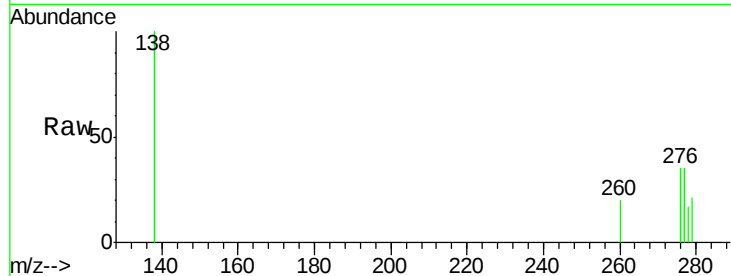
Tot Ion:276 Resp: 21

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

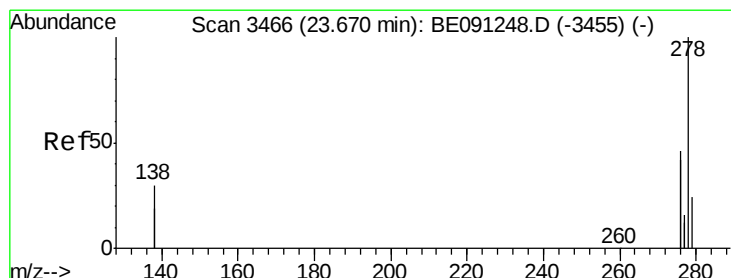
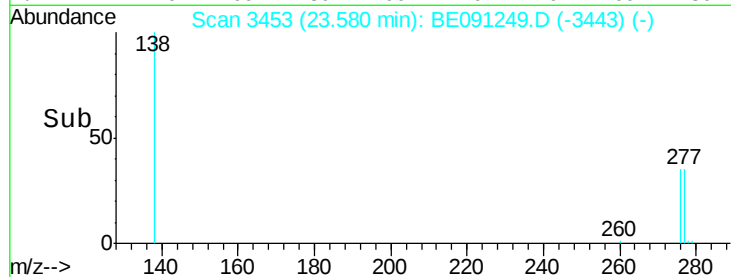
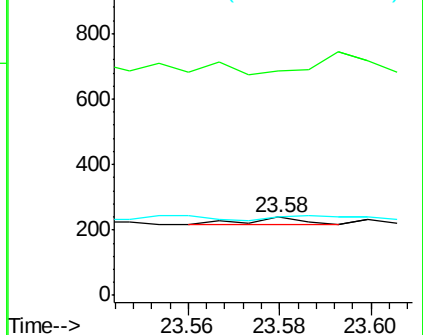
277 0.0 19.3 28.9#



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: 23.53 min Scan# 3446

Delta R.T. -0.14 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

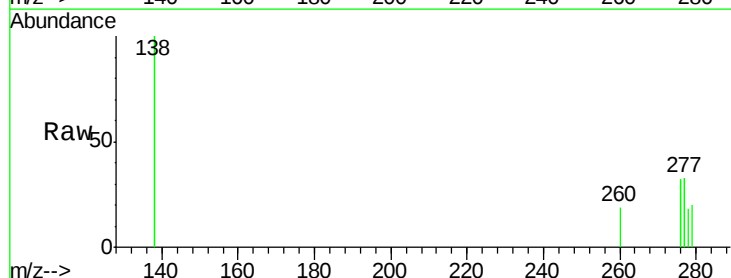
Tgt Ion:278 Resp: 10

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

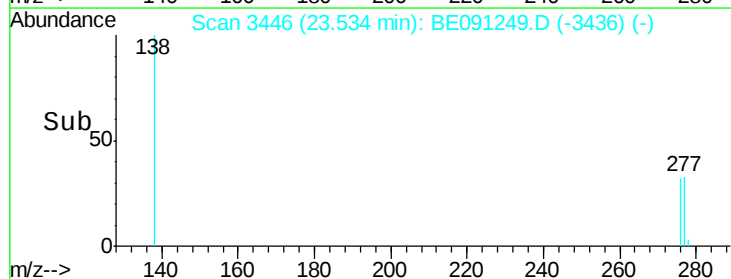
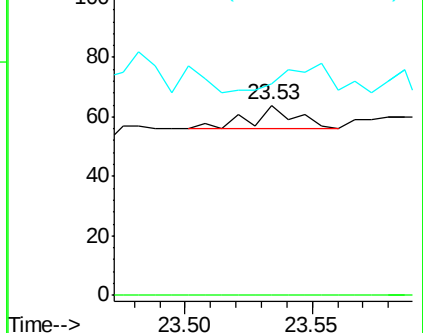
279 110.9 21.9 32.9#

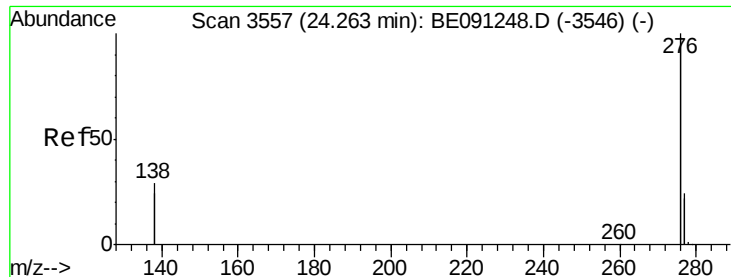


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.11 min Scan# 3534

Delta R.T. -0.16 min

Lab File: BE091249.D

Acq: 20 Nov 2015 17:15

Instrument :

BNA_E

ClientSampleId :

A4J44

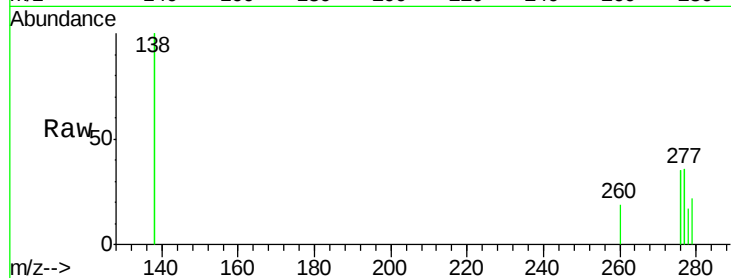
Tot Ion: 276 Resp: 24

Ion Ratio Lower Upper

276 100

277 103.4 21.3 31.9#

138 284.6 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

