

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112115\
 Data File : BE091261.D
 Acq On : 21 Nov 2015 2:02
 Operator : UM/NP
 Sample : G4310-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KN2

Quant Time: Nov 21 04:55:37 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 : Sat Nov 21 04:53:50 2015
 Response via : Initial Calibration

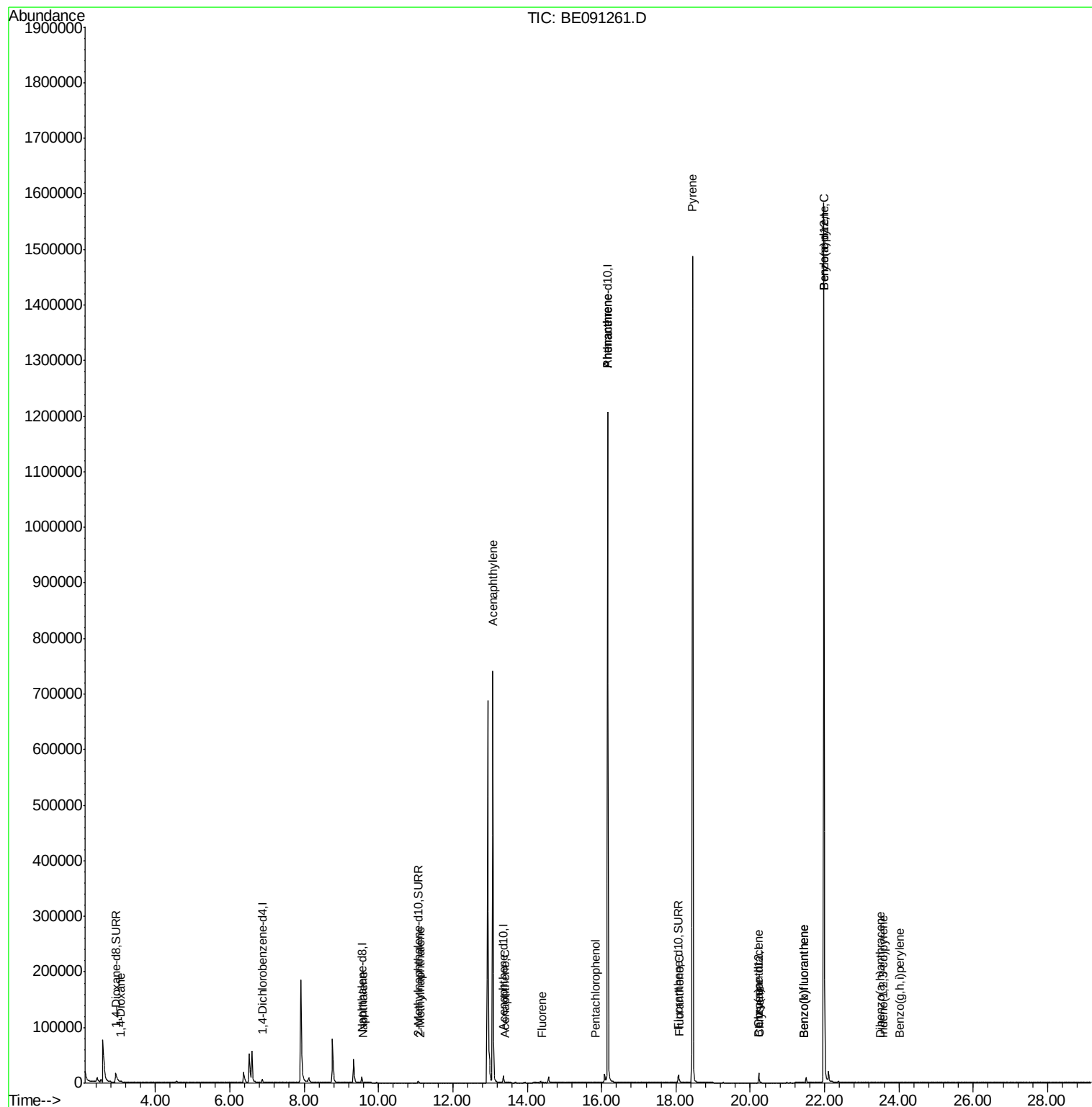
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2827	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13093	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6838	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1316728	0.40	ng/ul	0.06
18) Chrysene-d12	20.23	240	18185	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1651523	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	22343	10.99	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.07	152	5637	0.32	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	15933	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.07	88	82	0.04	ng/ul#	40
5) Naphthalene	9.59	128	854	0.03	ng/ul#	57
7) 2-Methylnaphthalene	11.14	142	51	0.00	ng/ul	83
9) Acenaphthylene	13.07	152	229	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	59	0.00	ng/ul#	77
11) Fluorene	14.40	166	210	0.01	ng/ul#	86
13) Pentachlorophenol	15.85	266	213	0.00	ng/ul	91
14) Phenanthrene	16.16	178	5213	0.00	ng/ul#	1
15) Anthracene	16.16	178	5300	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	4680	0.00	ng/ul	80
19) Pyrene	18.45	202	14880	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.21	228	942	0.02	ng/ul#	86
21) Chrysene	20.26	228	992	0.02	ng/ul#	82
23) Benzo(b)fluoranthene	21.45	252	32	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.45	252	32	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	6580	0.00	ng/ul#	55
26) Indeno(1,2,3-cd)pyrene	23.57	276	73	0.00	ng/ul#	49
27) Dibenzo(a,h)anthracene	23.51	278	16	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.01	276	61	0.00	ng/ul#	1

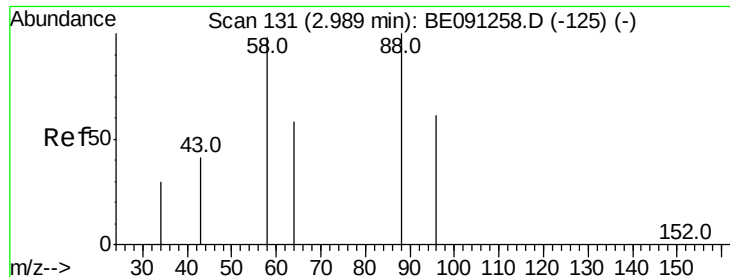
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112115\
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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 3.07 min Scan# 143

Delta R.T. 0.08 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampled :

D9KN2

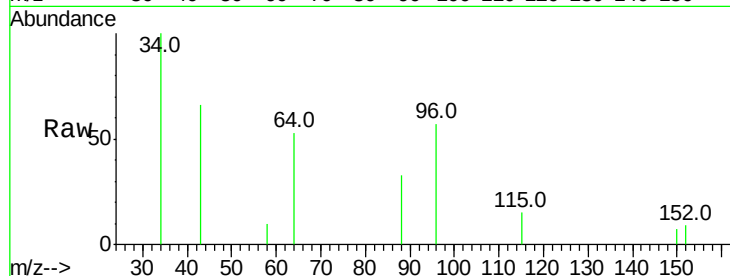
Tot Ion: 88 Resp: 82

Ion Ratio Lower Upper

88 100

58 18.3 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

800

600

400

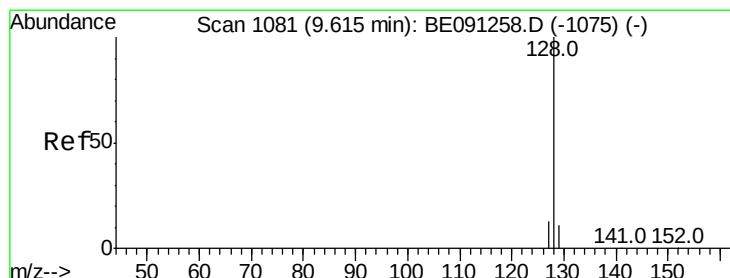
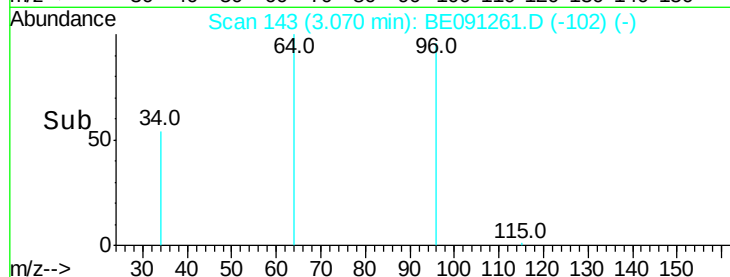
200

0

3.05

3.10

Time-->



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

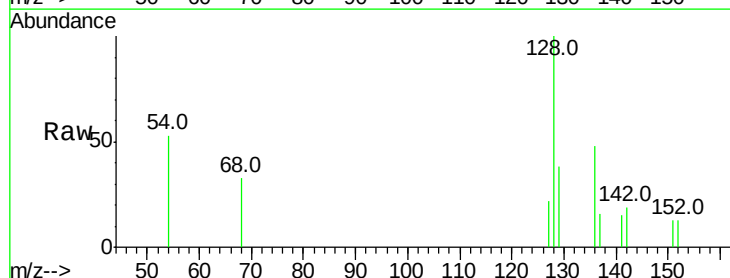
Tgt Ion: 128 Resp: 854

Ion Ratio Lower Upper

128 100

129 38.1 9.8 14.8#

127 21.9 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

600

500

400

300

200

100

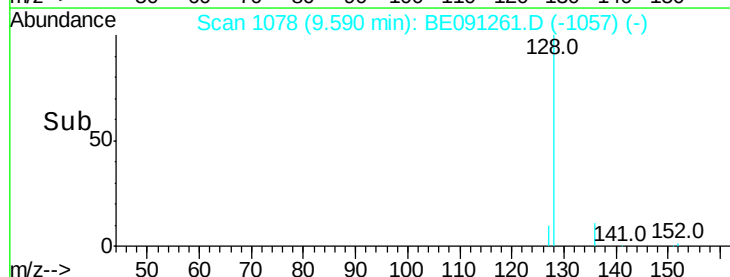
0

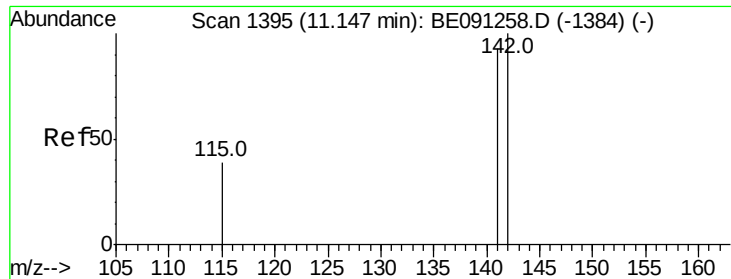
9.50

9.60

9.70

Time-->





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.14 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

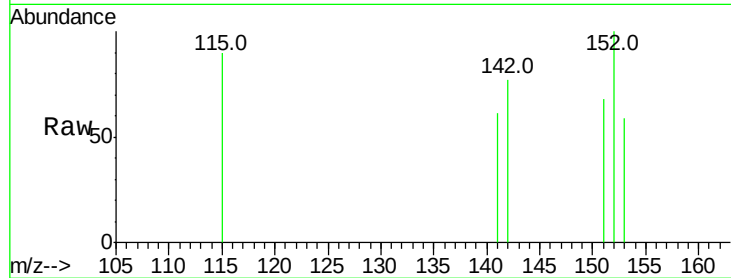
D9KN2

Tot Ion:142 Resp: 51

Ion Ratio Lower Upper

142 100

141 72.5 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

100

80

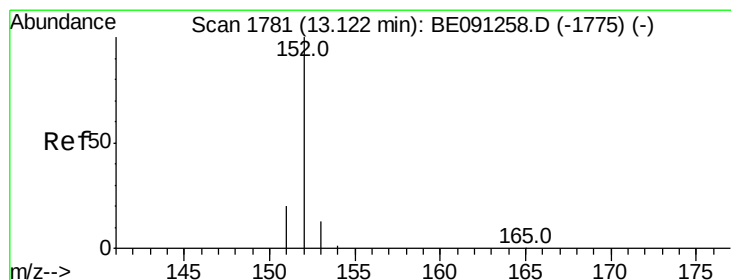
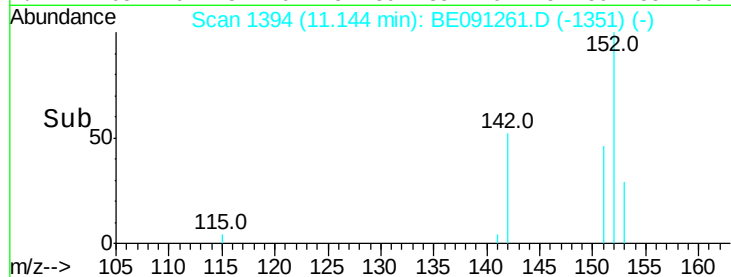
60

40

20

0

Time-->



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

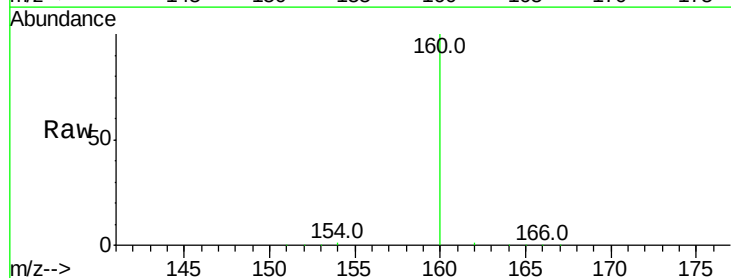
Tgt Ion:152 Resp: 229

Ion Ratio Lower Upper

152 100

151 62.3 16.8 25.2#

153 158.0 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

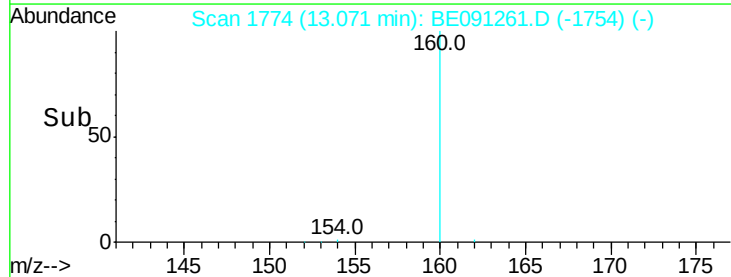
150

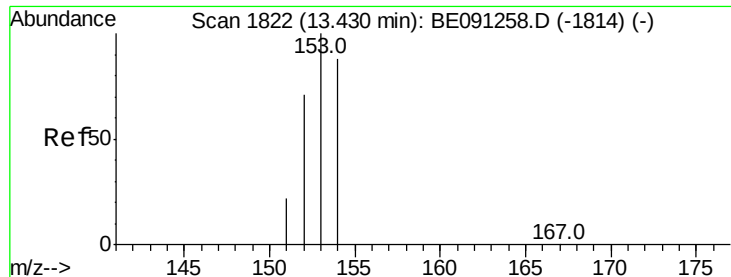
100

50

0

Time-->





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

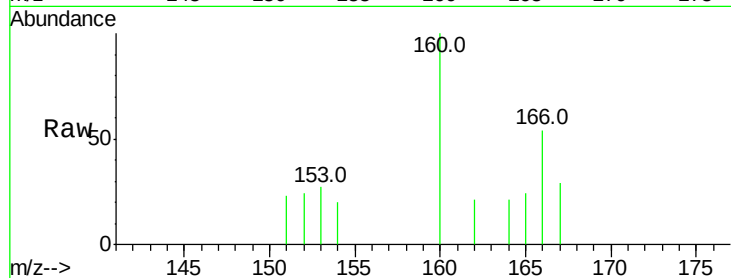
Tot Ion:153 Resp: 59

Ion Ratio Lower Upper

153 100

152 89.1 42.3 63.5#

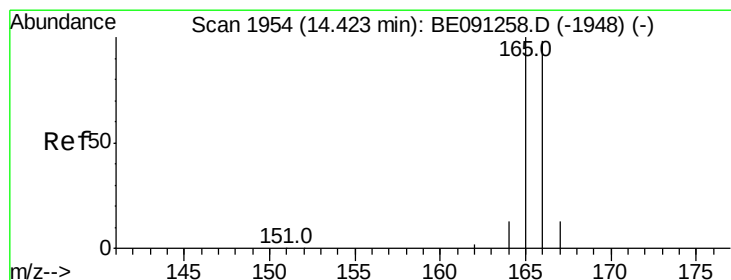
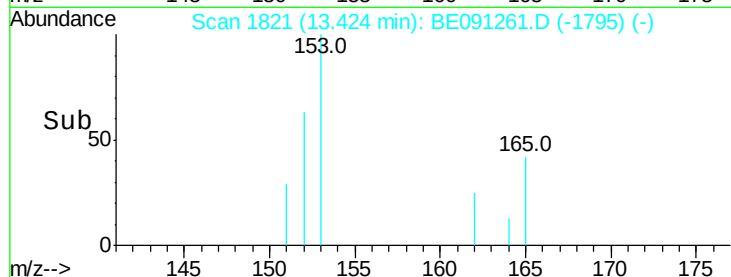
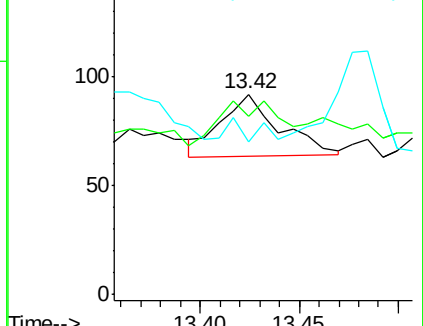
154 76.1 64.7 97.1



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: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

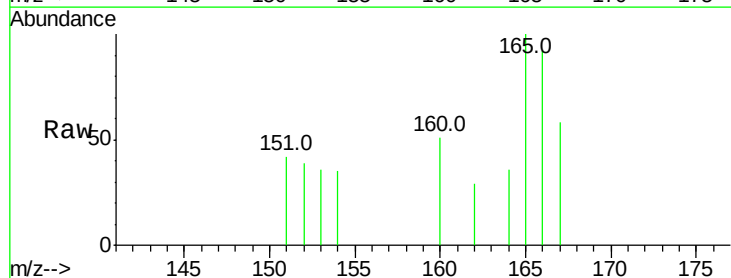
Tgt Ion:166 Resp: 210

Ion Ratio Lower Upper

166 100

165 109.0 87.6 131.4

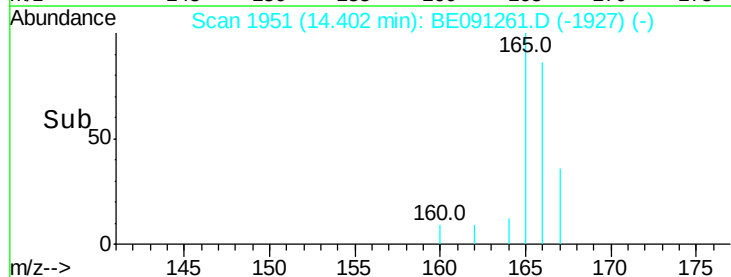
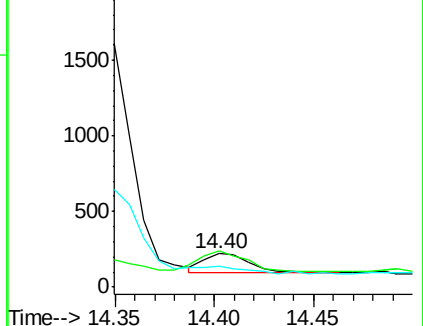
167 63.3 11.1 16.7#

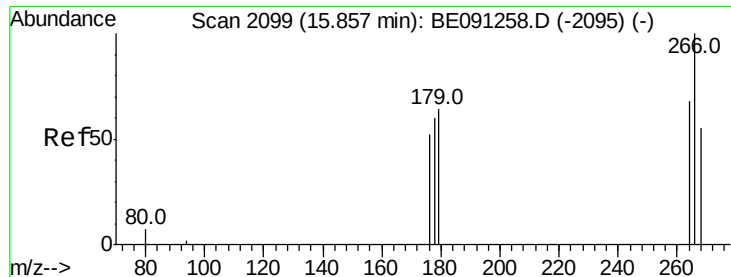


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

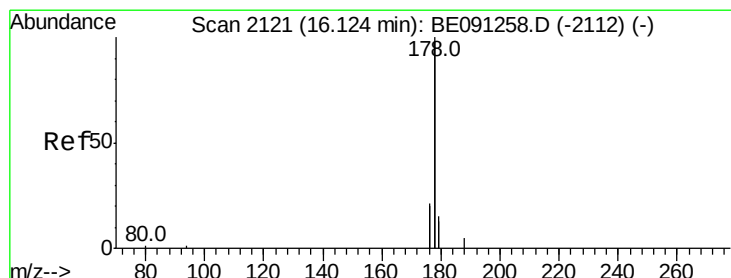
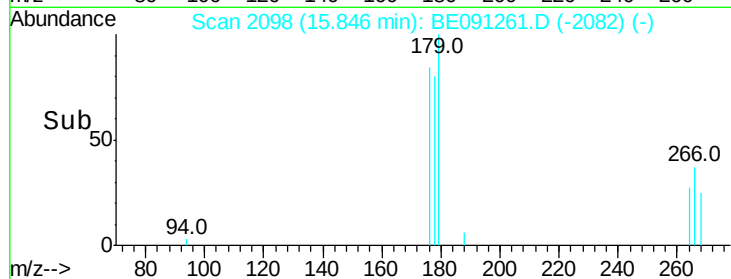
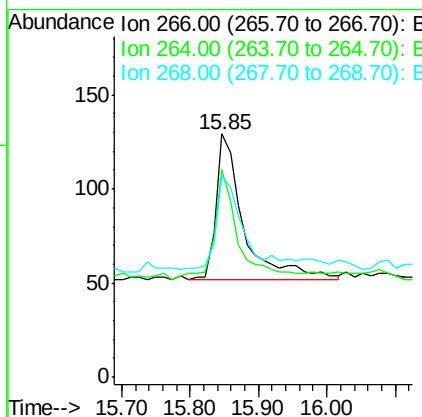
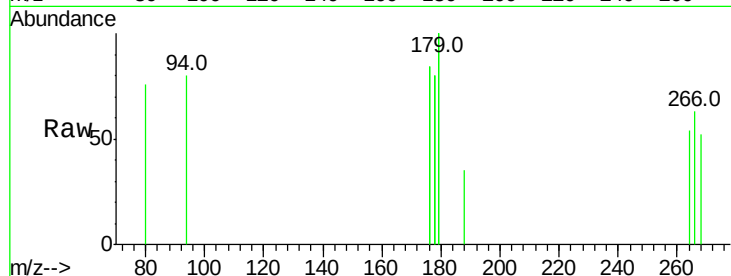




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091261.D
 Acq: 21 Nov 2015 2:02

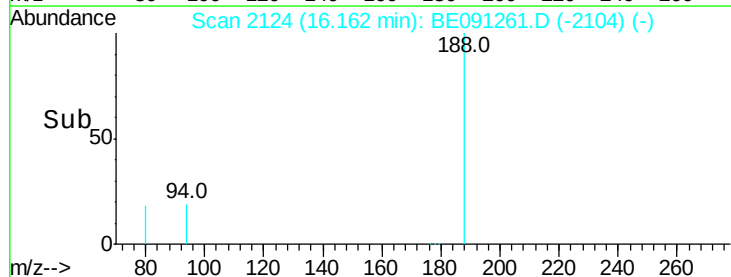
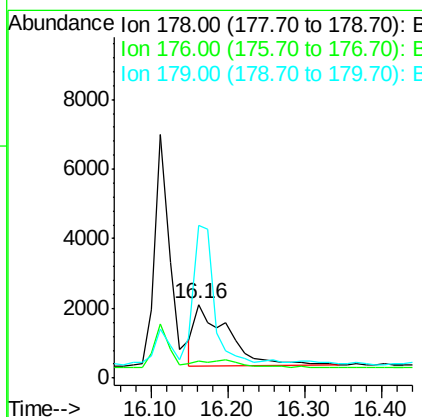
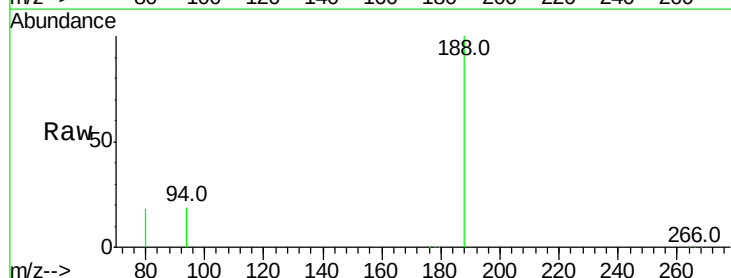
Instrument :
 BNA_E
 ClientSampleId :
 D9KN2

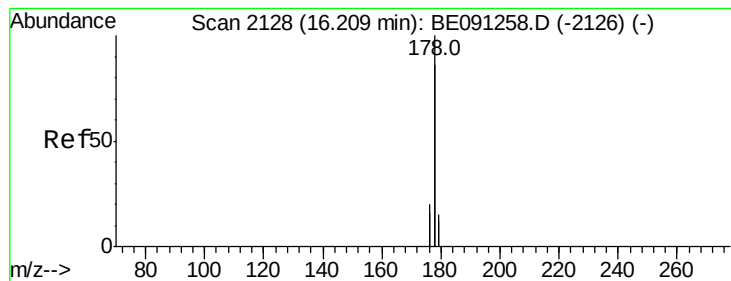
Tot Ion:266 Resp: 213
 Ion Ratio Lower Upper
 266 100
 264 73.2 53.5 80.3
 268 76.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091261.D
 Acq: 21 Nov 2015 2:02

Tgt Ion:178 Resp: 5213
 Ion Ratio Lower Upper
 178 100
 176 22.5 16.2 24.4
 179 207.8 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: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

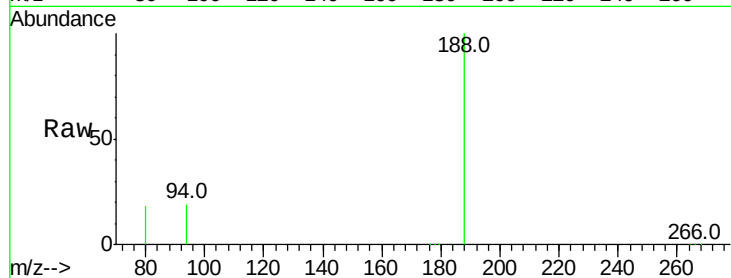
Tot Ion:178 Resp: 5300

Ion Ratio Lower Upper

178 100

176 22.5 15.8 23.8

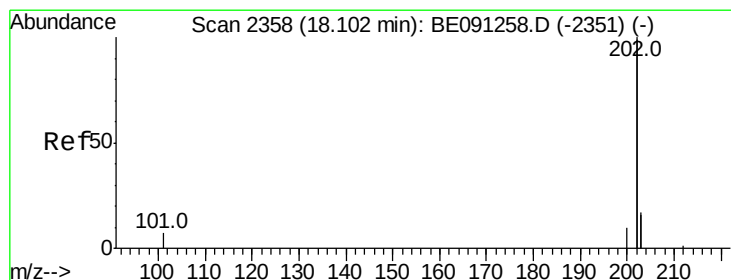
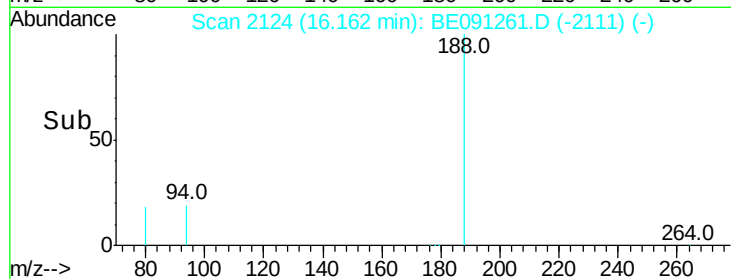
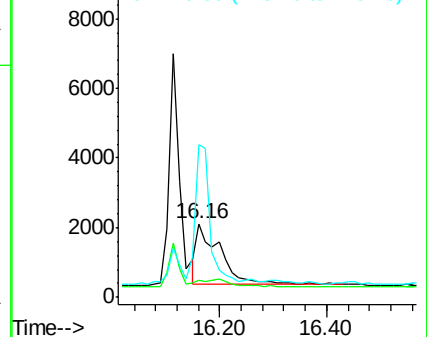
179 207.8 13.3 19.9#



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: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

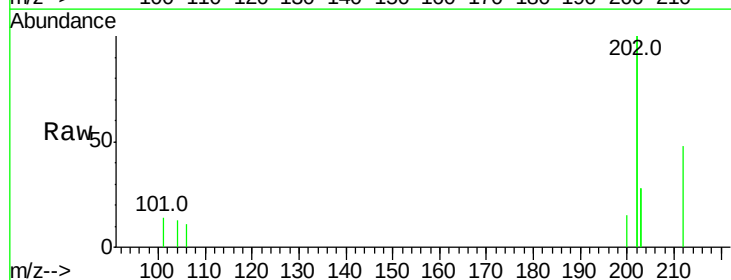
Tgt Ion:202 Resp: 4680

Ion Ratio Lower Upper

202 100

101 6.9 0.0 33.1

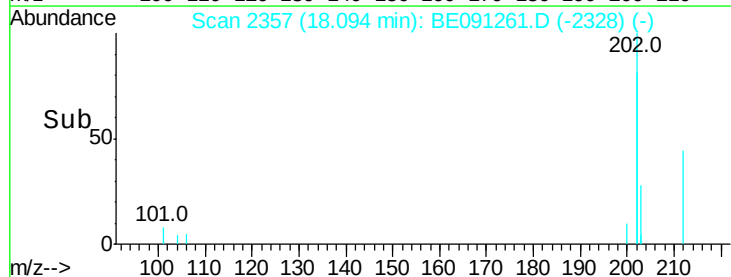
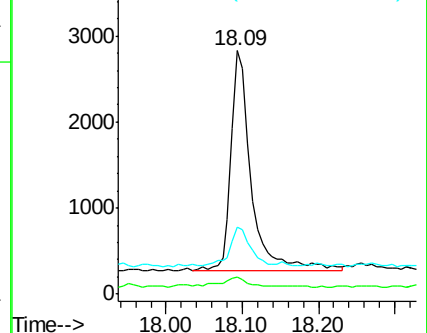
203 27.6 0.0 37.2

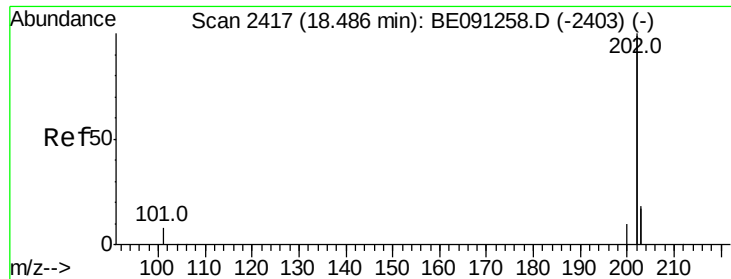


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

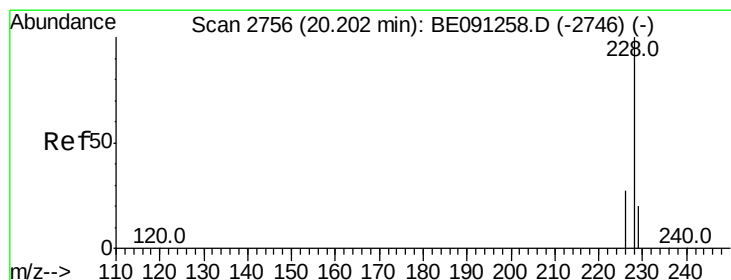
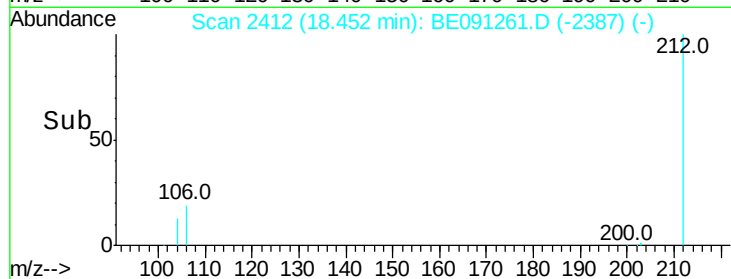
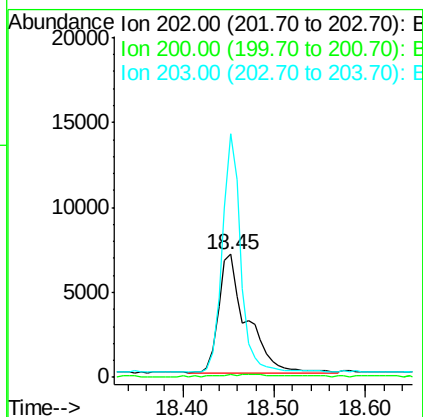
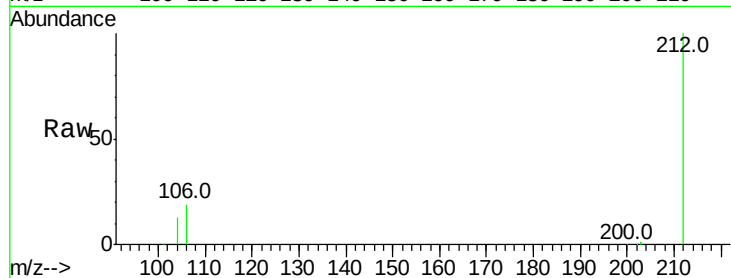




#19
Pvrene
Concen: 0.07 ng/ul
RT: 18.45 min Scan# 2412
Delta R.T. -0.03 min
Lab File: BE091261.D
Acq: 21 Nov 2015 2:02

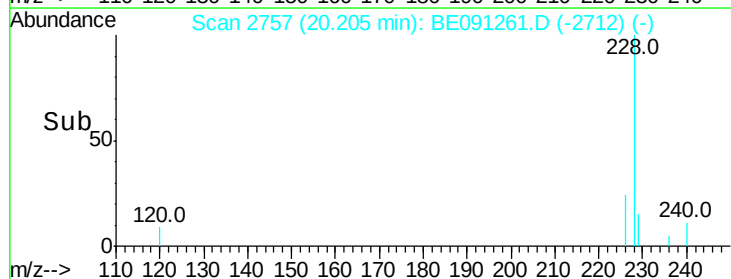
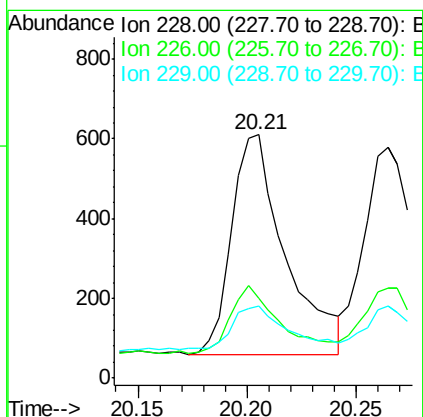
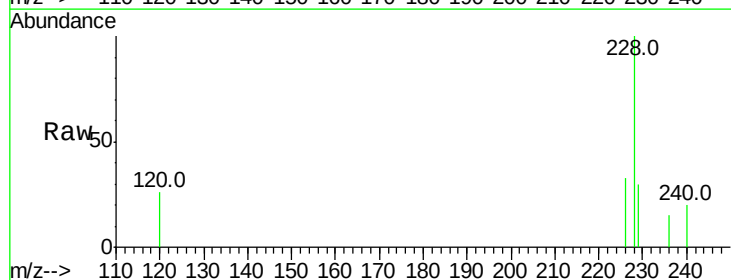
Instrument :
BNA_E
ClientSampleId :
D9KN2

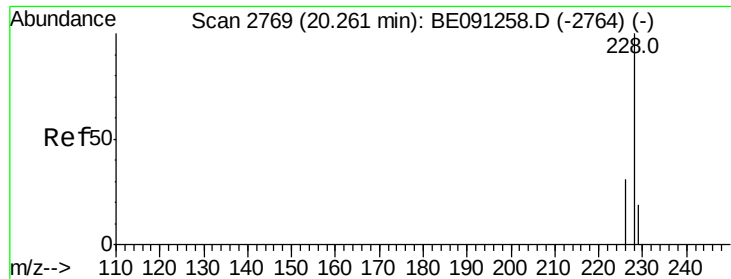
Tot Ion:202 Resp: 14880
Ion Ratio Lower Upper
202 100
200 2.0 18.0 27.0#
203 198.1 13.8 20.6#



#20
Benzo(a)anthracene
Concen: 0.02 ng/ul
RT: 20.21 min Scan# 2757
Delta R.T. 0.00 min
Lab File: BE091261.D
Acq: 21 Nov 2015 2:02

Tgt Ion:228 Resp: 942
Ion Ratio Lower Upper
228 100
226 32.7 23.0 34.4
229 29.8 15.2 22.8#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

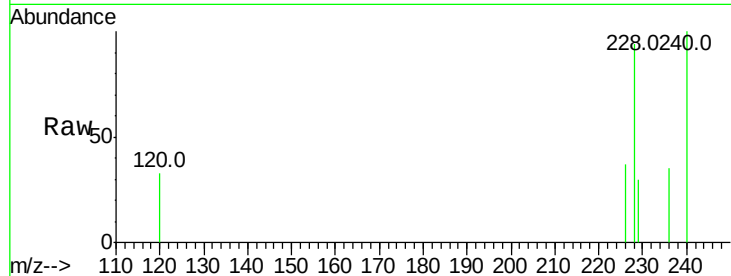
Tot Ion:228 Resp: 992

Ion Ratio Lower Upper

228 100

226 38.9 25.7 38.5#

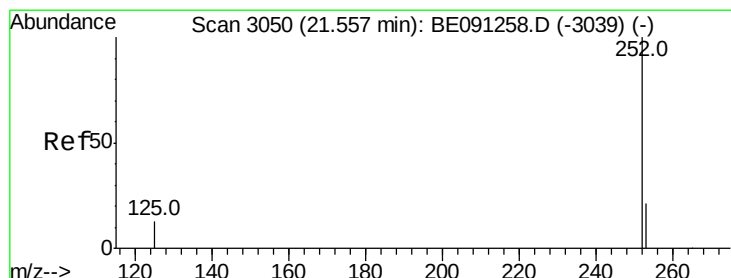
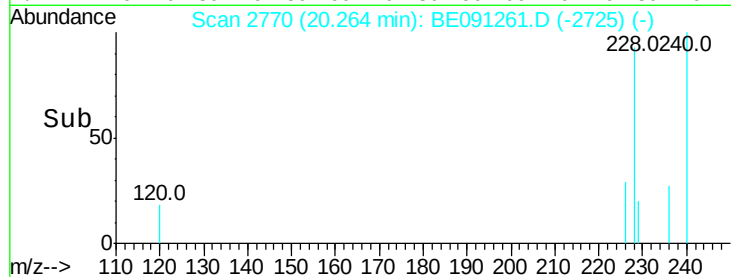
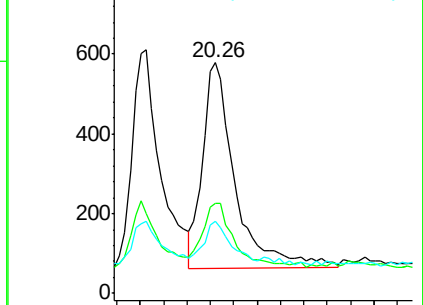
229 31.5 15.2 22.8#



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



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.45 min Scan# 3027

Delta R.T. -0.11 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

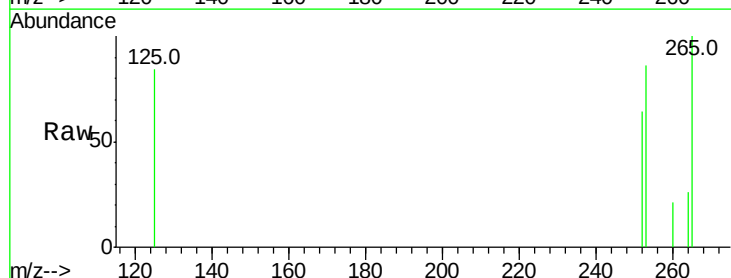
Tgt Ion:252 Resp: 32

Ion Ratio Lower Upper

252 100

253 133.5 0.0 48.0#

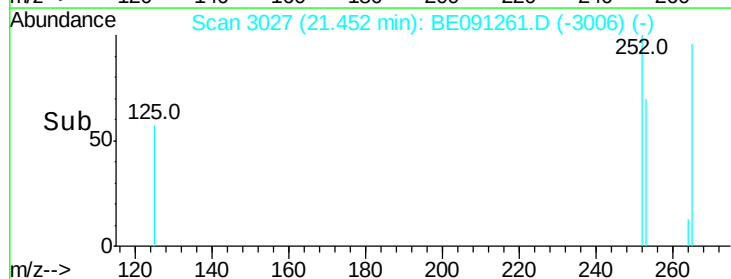
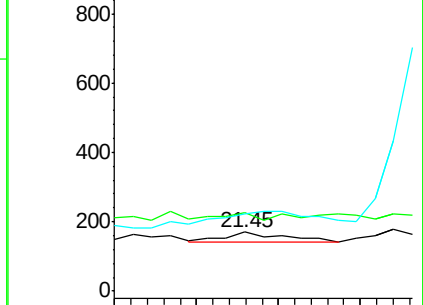
125 130.6 0.0 36.6#

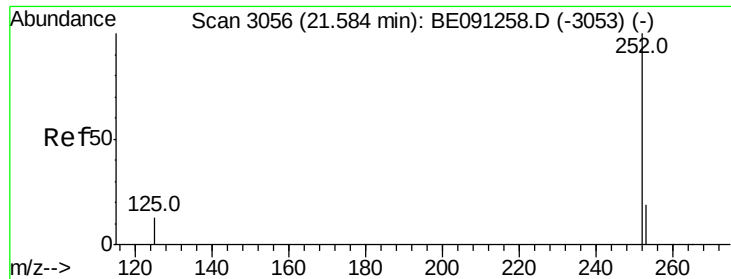


Abundance Ion 252.00 (251.70 to 252.70): E

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: 21.45 min Scan# 3027

Delta R.T. -0.13 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

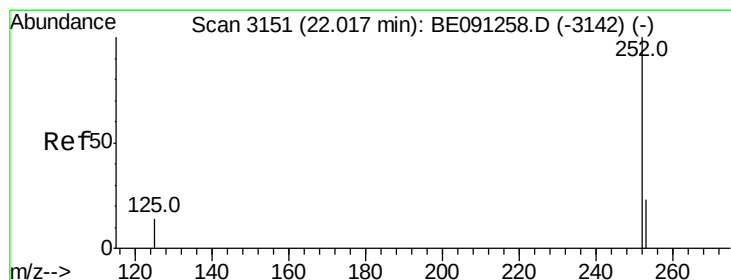
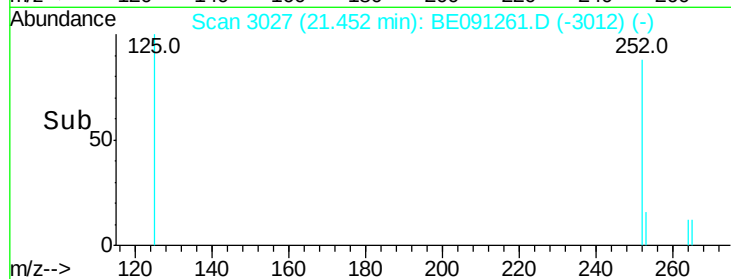
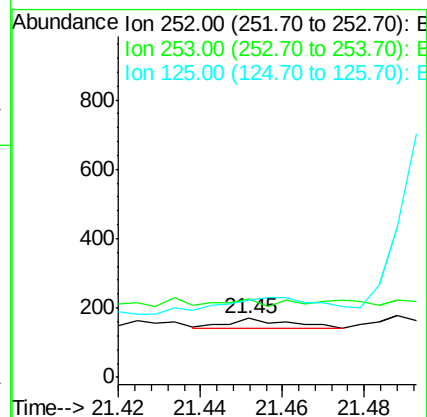
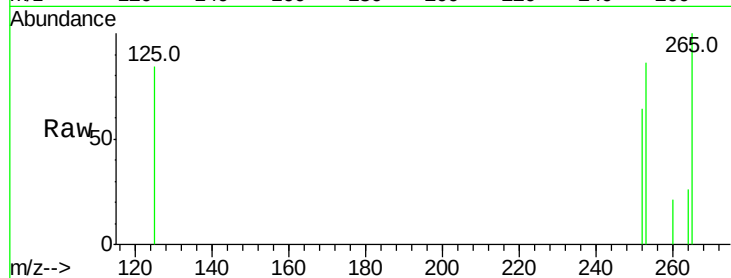
Tot Ion:252 Resp: 32

Ion Ratio Lower Upper

252 100

253 133.5 20.8 31.2#

125 130.6 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.98 min Scan# 3143

Delta R.T. -0.04 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

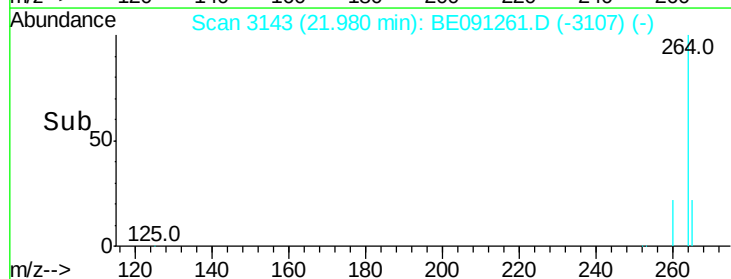
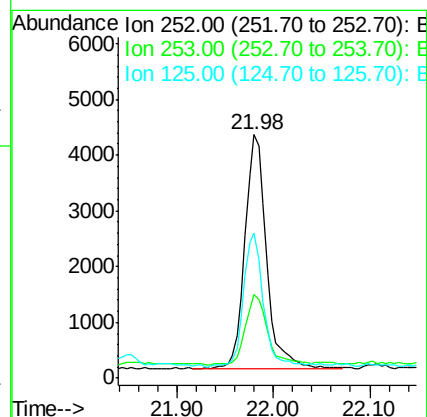
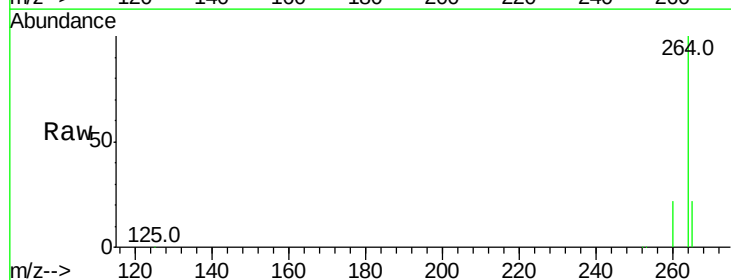
Tgt Ion:252 Resp: 6580

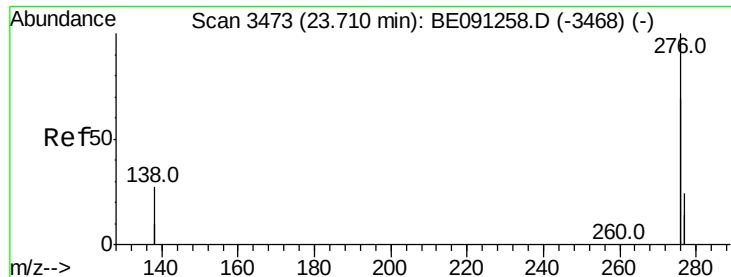
Ion Ratio Lower Upper

252 100

253 34.3 21.8 32.8#

125 59.7 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.57 min Scan# 3451

Delta R.T. -0.14 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

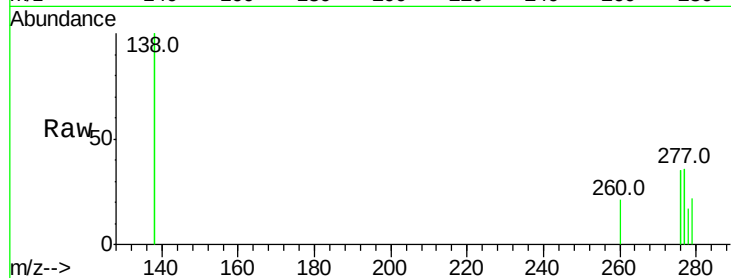
Tot Ion:276 Resp: 73

Ion Ratio Lower Upper

276 100

138 31.5 27.5 41.3

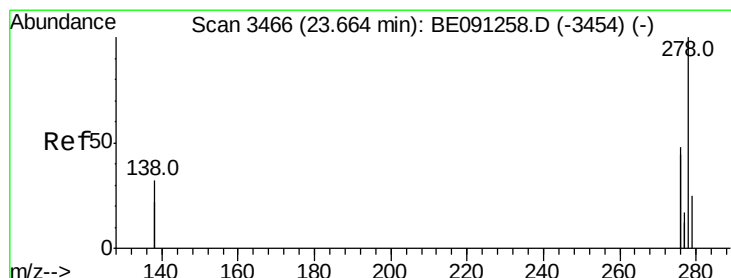
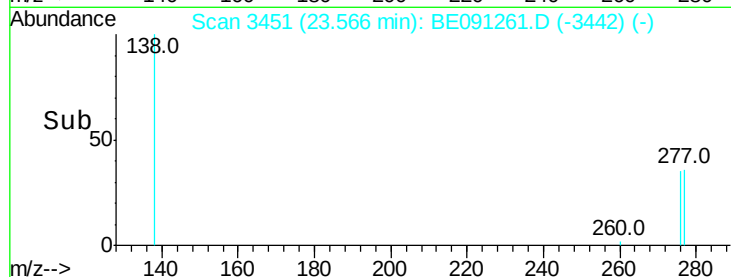
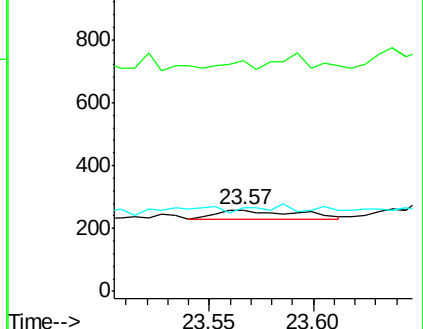
277 82.2 19.3 28.9#



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: 23.51 min Scan# 3442

Delta R.T. -0.16 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

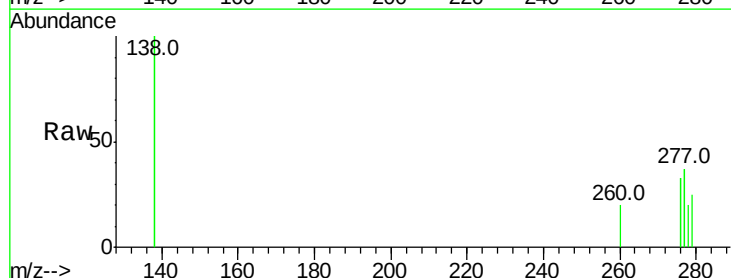
Tgt Ion:278 Resp: 16

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

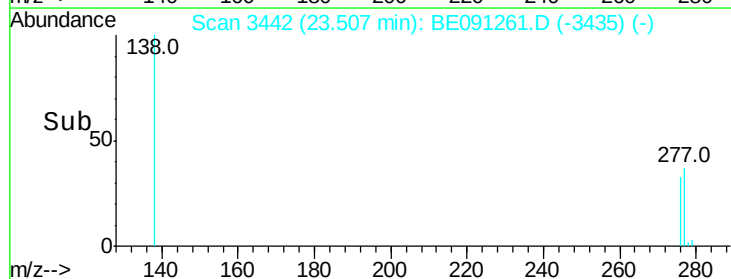
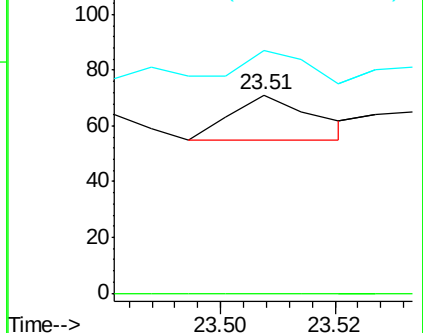
279 122.5 21.9 32.9#

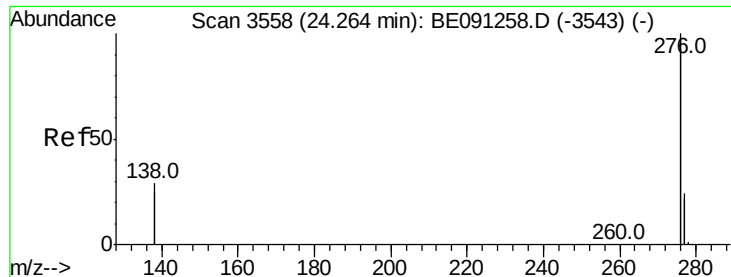


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.01 min Scan# 3519

Delta R.T. -0.25 min

Lab File: BE091261.D

Acq: 21 Nov 2015 2:02

Instrument :

BNA_E

ClientSampleId :

D9KN2

Tot Ion: 276 Resp: 61

Ion Ratio Lower Upper

276 100

277 103.9 21.3 31.9#

138 277.5 25.5 38.3#

