

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101915\
 Data File : BE091023.D
 Acq On : 19 Oct 2015 16:41
 Operator : UM/NP
 Sample : PB86176BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 20 01:01:39 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE101415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 01:00:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	9162	0.40	ng/ul	0.00
2) Naphthalene-d8	9.61	136	45044	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.43	164	25939	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.25	188	2670045	0.40	ng/ul	0.09
16) Chrysene-d12	20.31	240	73794	0.40	ng/ul	0.00
20) Perylene-d12	22.09	264	3689302	0.40	ng/ul	-0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.12	152	12174	0.24	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	36867	0.01	ng/ul	0.00

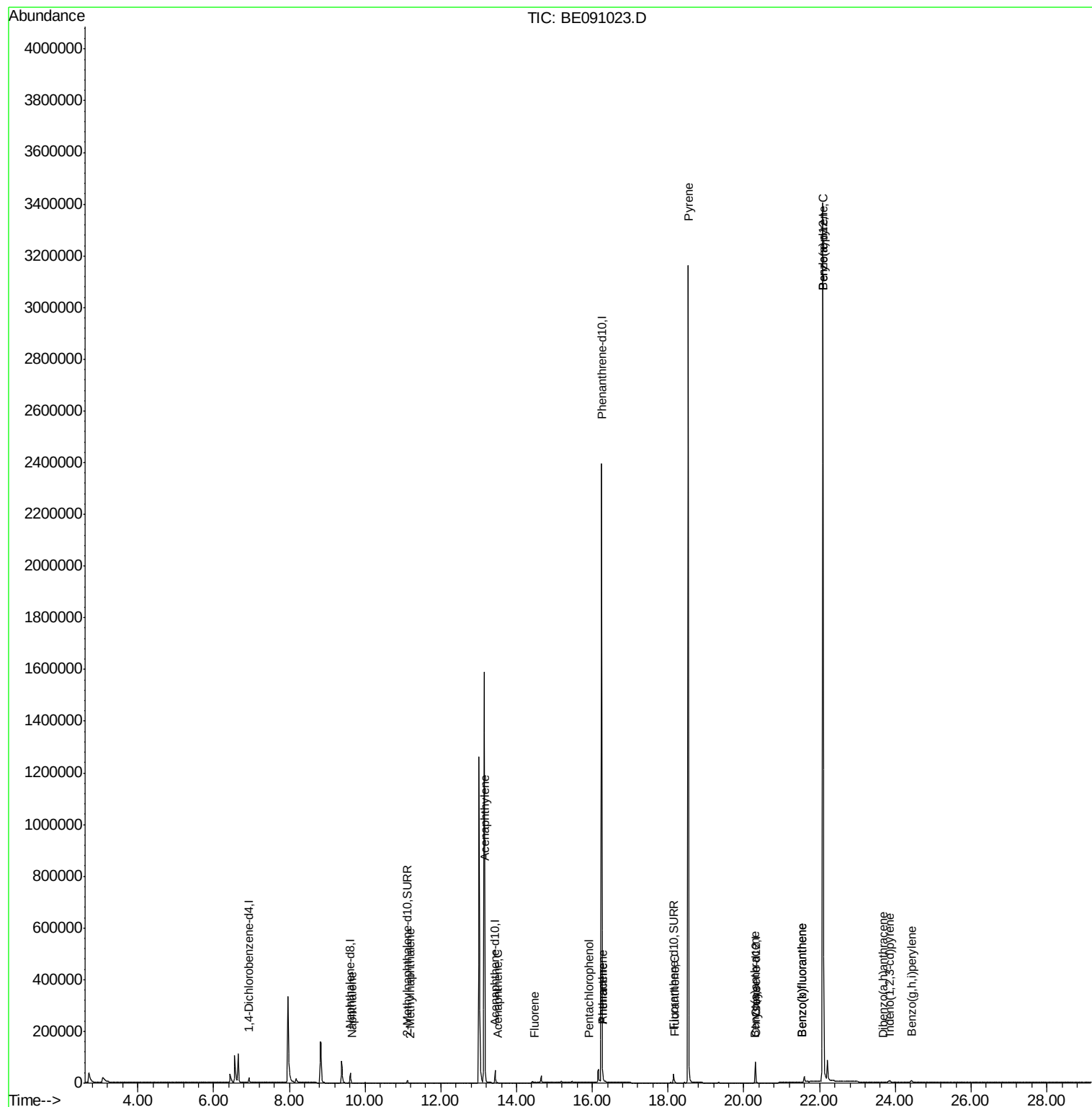
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.66	128	1324	0.01	ng/ul#	1
5) 2-Methylnaphthalene	11.19	142	146	0.00	ng/ul	92
7) Acenaphthylene	13.17	152	680	0.01	ng/ul#	27
8) Acenaphthene	13.49	153	383	0.01	ng/ul#	86
9) Fluorene	14.48	166	876	0.01	ng/ul#	83
11) Pentachlorophenol	15.91	266	396	0.00	ng/ul	96
12) Phenanthrene	16.27	178	15644	0.00	ng/ul#	79
13) Anthracene	16.27	178	15644	0.00	ng/ul#	75
15) Fluoranthene	18.17	202	8703	0.00	ng/ul	92
17) Pyrene	18.53	202	29817	0.05	ng/ul#	1
18) Benzo(a)anthracene	20.27	228	1969	0.01	ng/ul#	91
19) Chrysene	20.34	228	1823	0.01	ng/ul	91
21) Benzo(b)fluoranthene	21.53	252	158	0.00	ng/ul#	1
22) Benzo(k)fluoranthene	21.53	252	158	0.00	ng/ul#	1
23) Benzo(a)pyrene	22.09	252	15778	0.00	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	23.86	276	7355	0.00	ng/ul	97
25) Dibenzo(a,h)anthracene	23.68	278	69	0.00	ng/ul#	1
26) Benzo(g,h,i)perylene	24.43	276	9306	0.00	ng/ul#	41

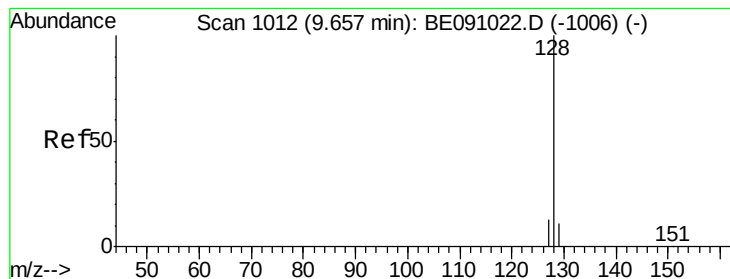
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.01 ng/ul

RT: 9.66 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

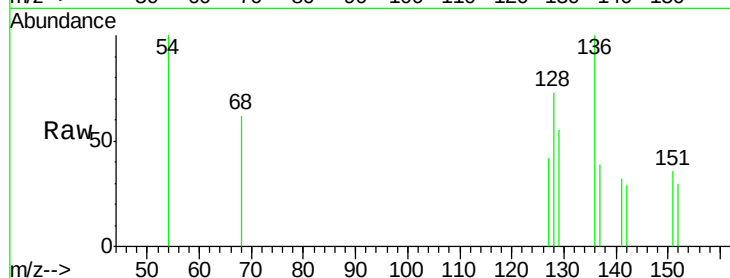
Tot Ion:128 Resp: 1324

Ion Ratio Lower Upper

128 100

129 74.3 9.0 13.4#

127 57.0 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

9.66

250

200

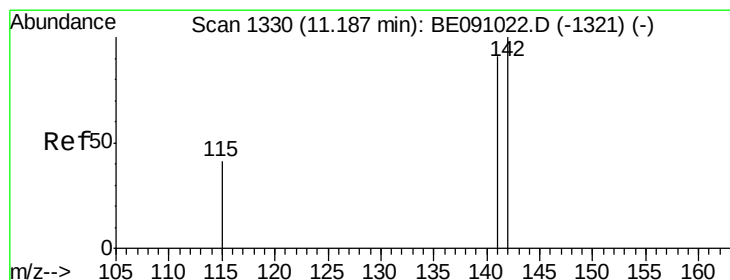
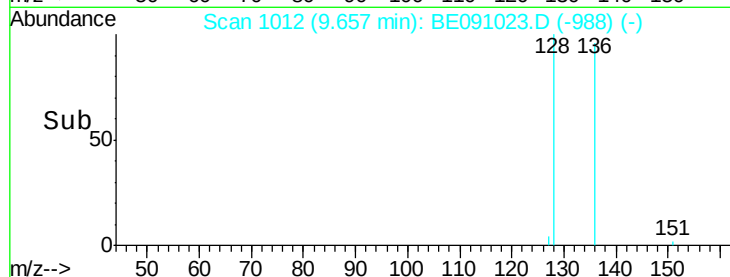
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.19 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BE091023.D

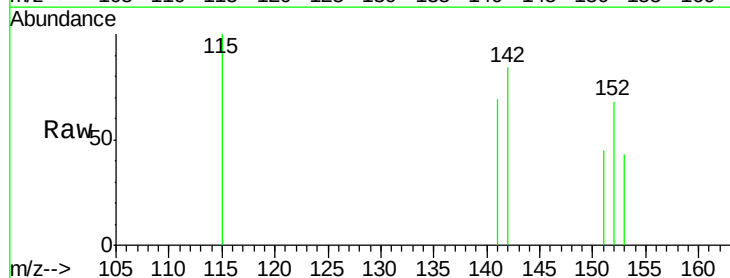
Acq: 19 Oct 2015 16:41

Tgt Ion:142 Resp: 146

Ion Ratio Lower Upper

142 100

141 106.8 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.19

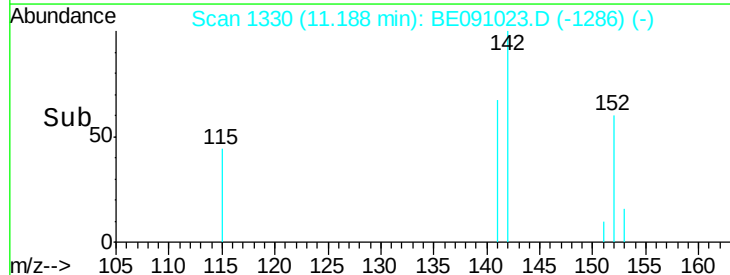
150

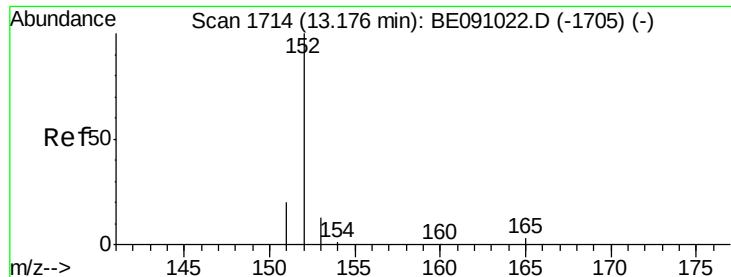
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.17 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

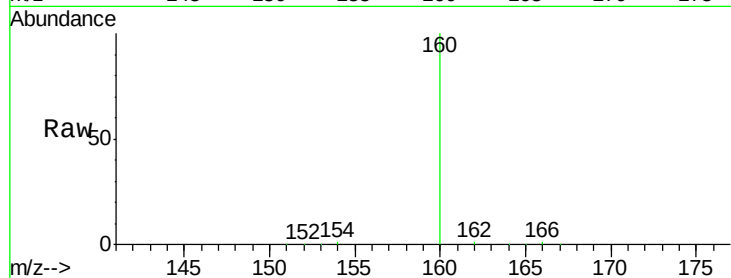
Tot Ion:152 Resp: 680

Ion Ratio Lower Upper

152 100

151 48.5 16.6 24.8#

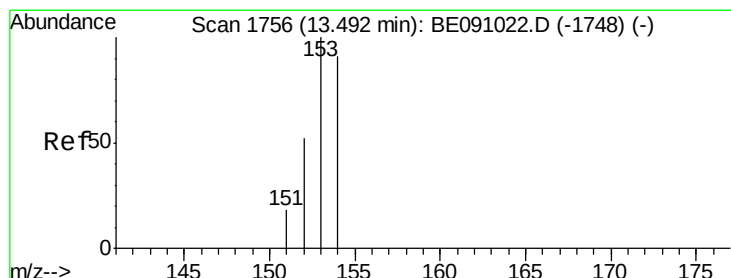
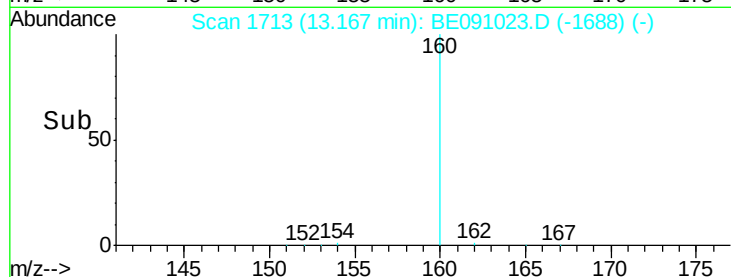
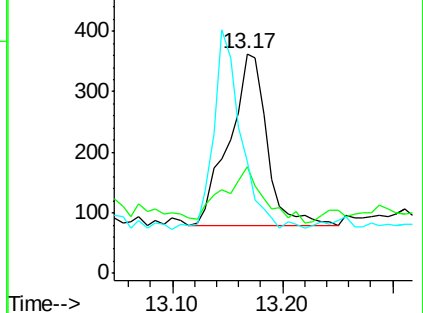
153 51.0 10.7 16.1#



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



#8

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.49 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

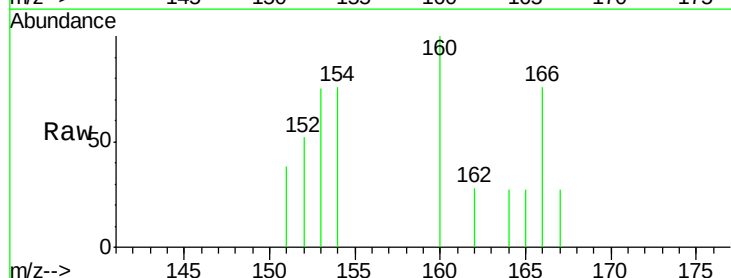
Tgt Ion:153 Resp: 383

Ion Ratio Lower Upper

153 100

152 68.7 39.8 59.8#

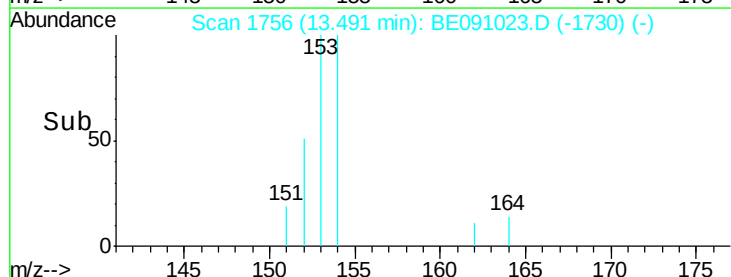
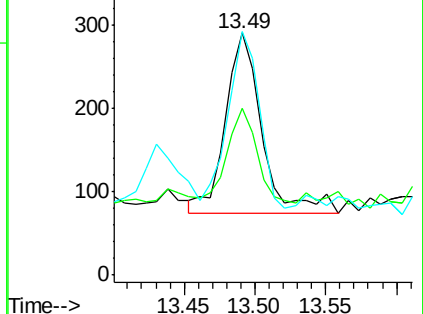
154 100.7 75.4 113.2

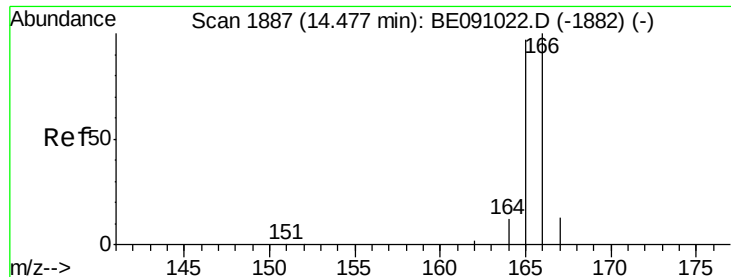


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.01 ng/ul

RT: 14.48 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

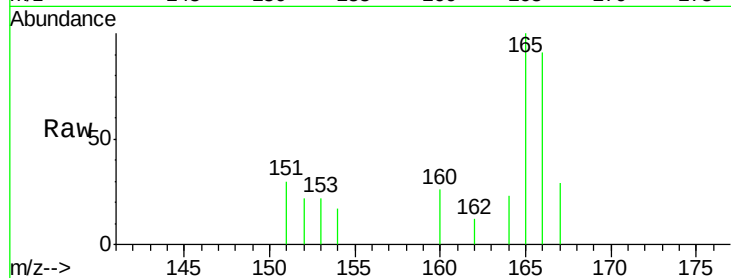
Tot Ion:166 Resp: 876

Ion Ratio Lower Upper

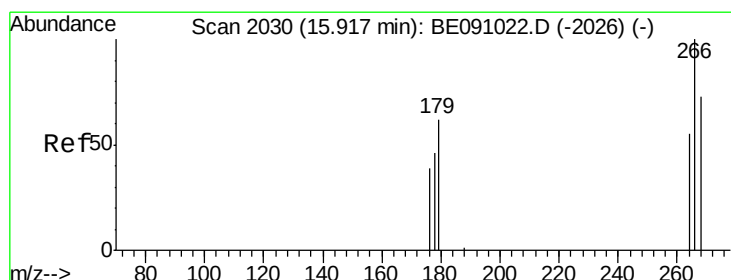
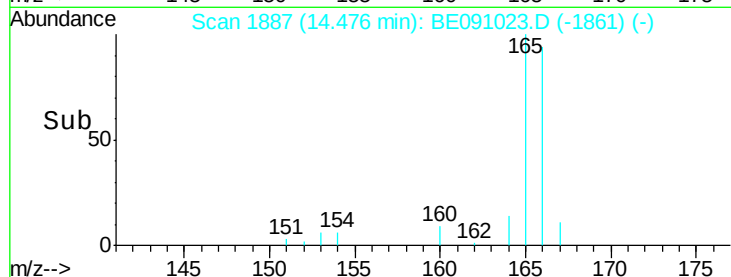
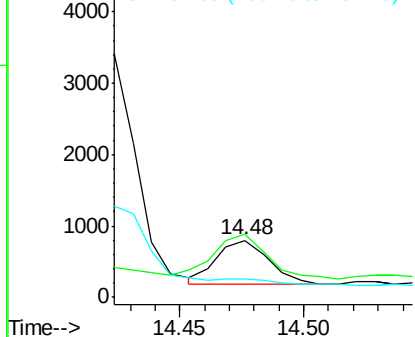
166 100

165 110.0 77.7 116.5

167 32.3 10.9 16.3#



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



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 15.91 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

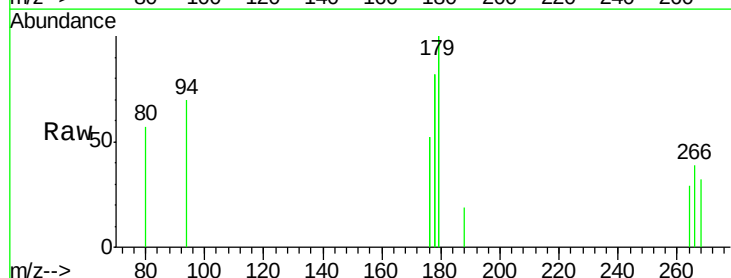
Tgt Ion:266 Resp: 396

Ion Ratio Lower Upper

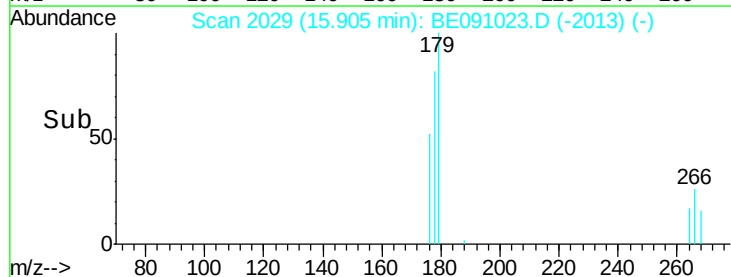
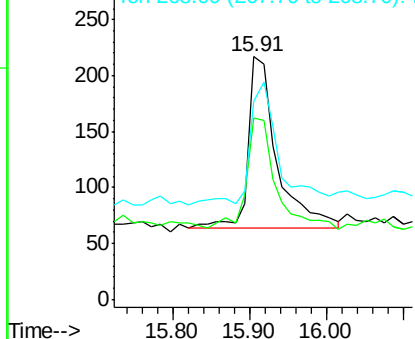
266 100

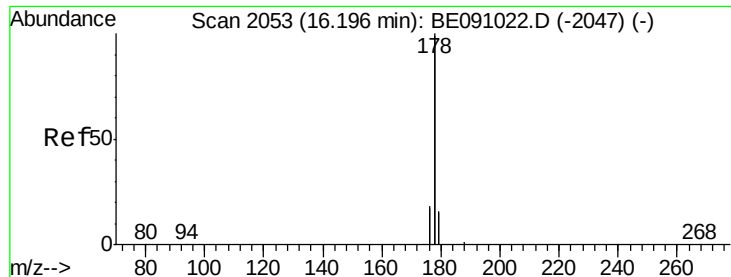
264 67.9 50.7 76.1

268 74.5 57.6 86.4



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





#12

Phenanthrene

Concen: 0.00 ng/ul

RT: 16.27 min Scan# 2059

Delta R.T. 0.07 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

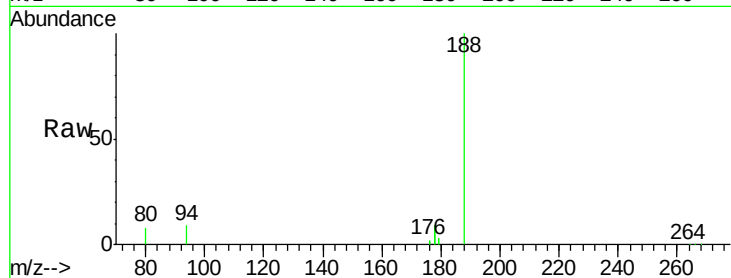
Tot Ion:178 Resp: 15644

Ion Ratio Lower Upper

178 100

176 24.1 16.9 25.3

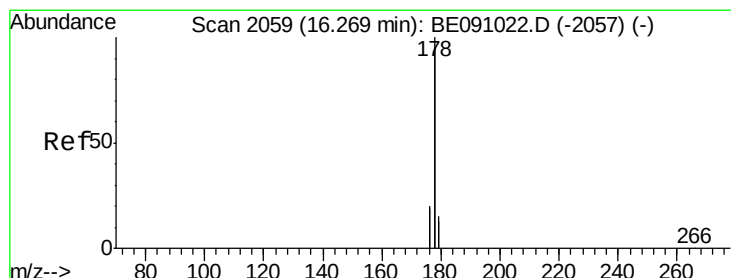
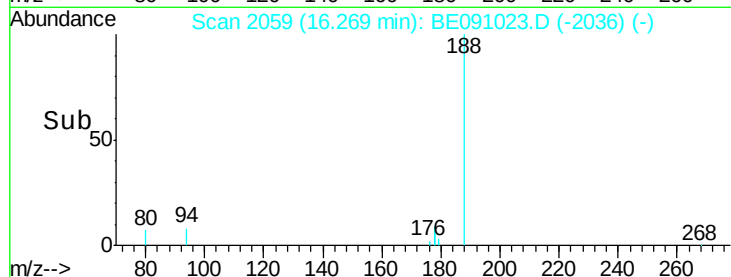
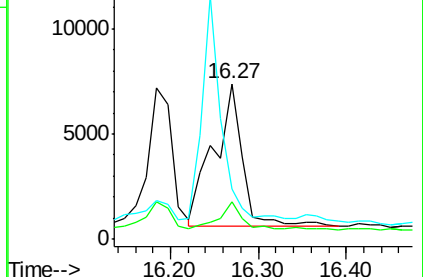
179 32.4 12.0 18.0#



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



#13

Anthracene

Concen: 0.00 ng/ul

RT: 16.27 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

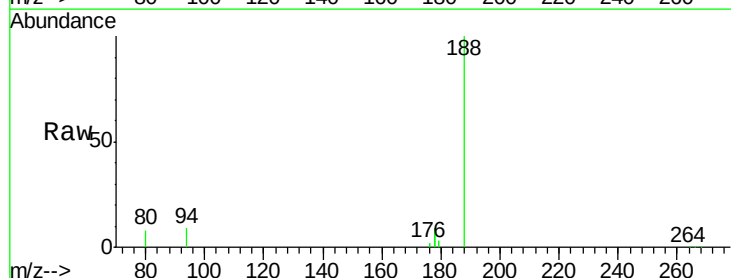
Tgt Ion:178 Resp: 15644

Ion Ratio Lower Upper

178 100

176 24.1 14.9 22.3#

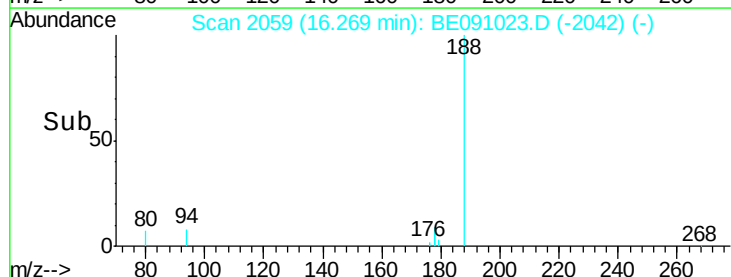
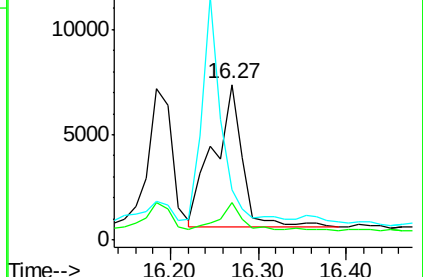
179 32.4 12.3 18.5#

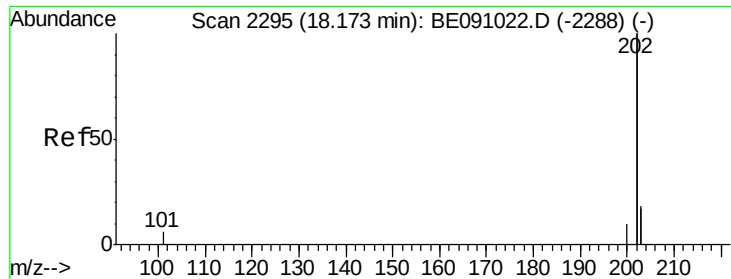


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

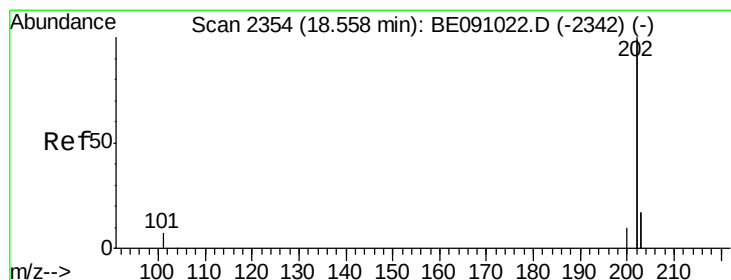
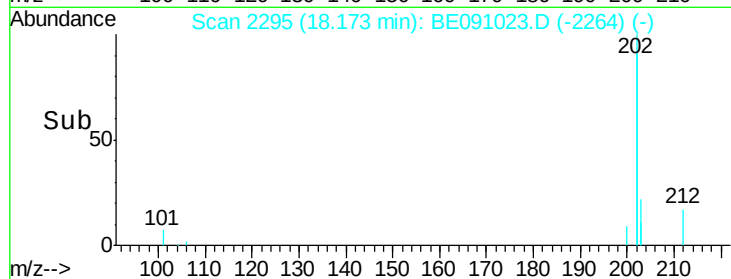
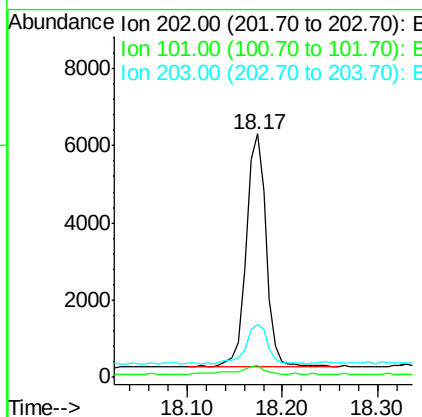
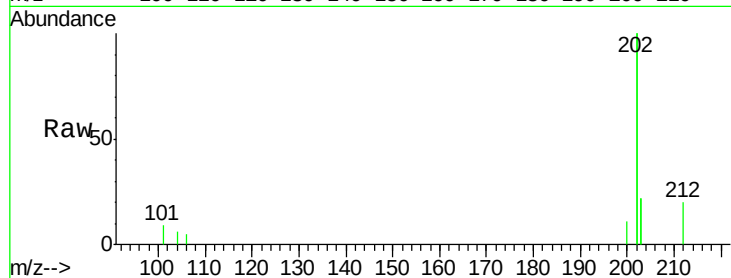




#15
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.17 min Scan# 2295
 Delta R.T. 0.00 min
 Lab File: BE091023.D
 Acq: 19 Oct 2015 16:41

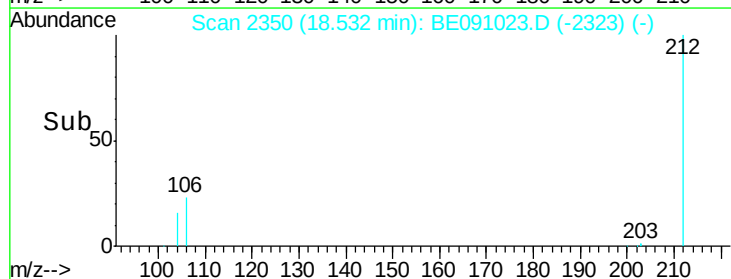
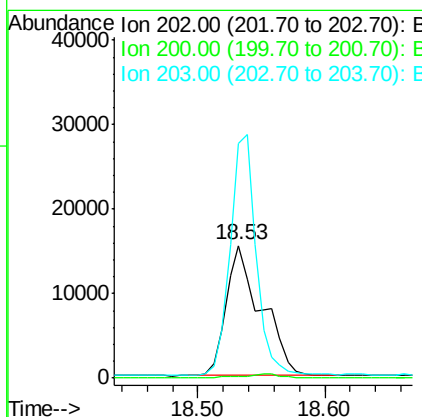
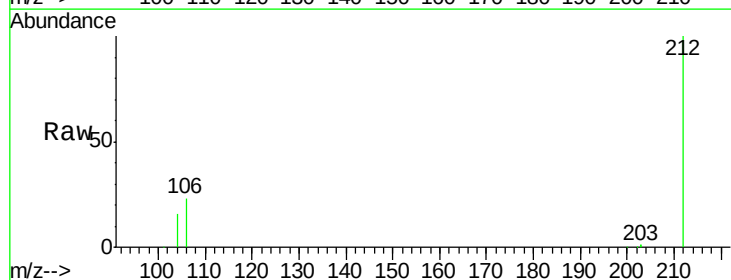
Instrument :
 BNA_E
 ClientSampleId :

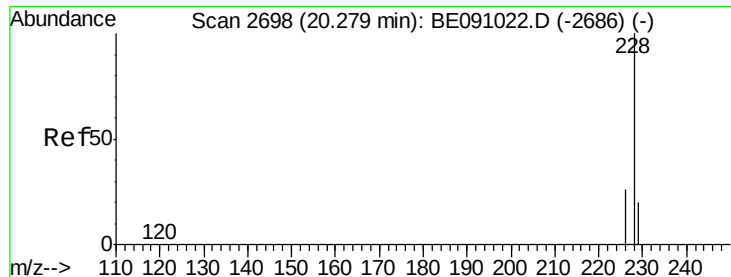
Tot Ion	Ratio	Lower	Upper
202	100		
101	4.7	0.0	23.7
203	21.6	0.0	37.5



#17
Pyrene
 Concen: 0.05 ng/ul
 RT: 18.53 min Scan# 2350
 Delta R.T. -0.03 min
 Lab File: BE091023.D
 Acq: 19 Oct 2015 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	1.5	4.3	6.5#
203	177.8	13.9	20.9#





#18

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 20.27 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

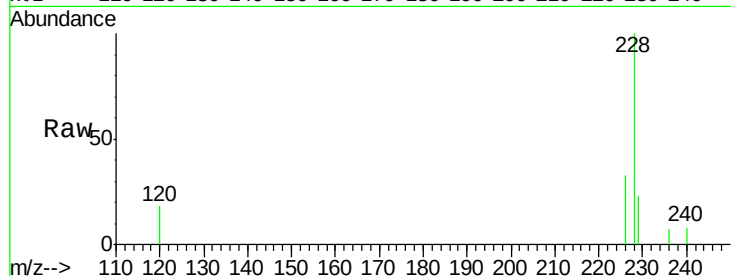
Tot Ion:228 Resp: 1969

Ion Ratio Lower Upper

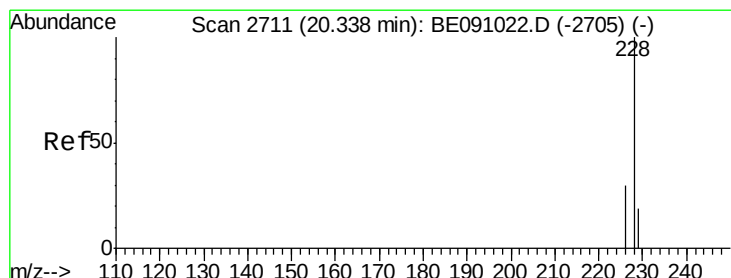
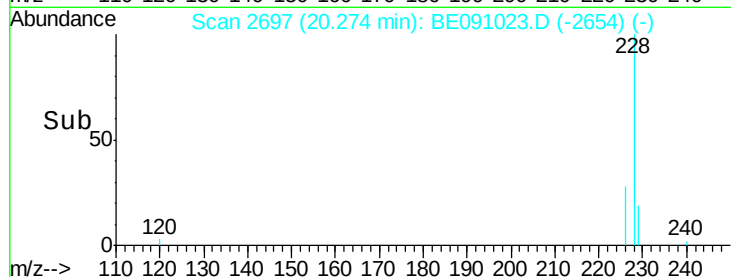
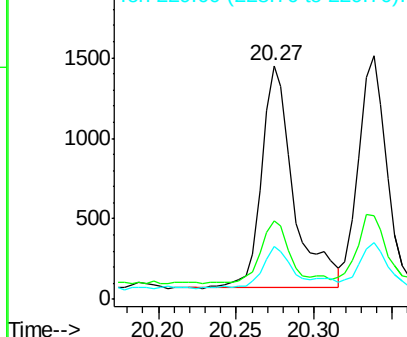
228 100

226 33.4 22.1 33.1#

229 22.7 15.8 23.6



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



#19

Chrysene

Concen: 0.01 ng/ul

RT: 20.34 min Scan# 2711

Delta R.T. 0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

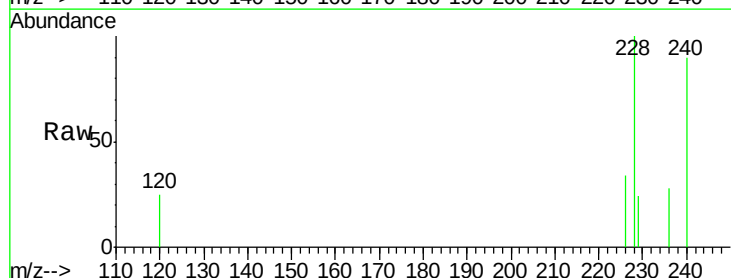
Tgt Ion:228 Resp: 1823

Ion Ratio Lower Upper

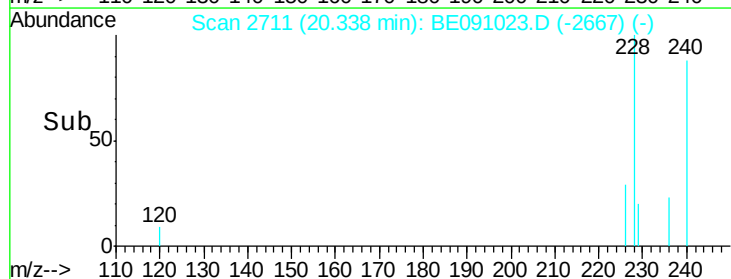
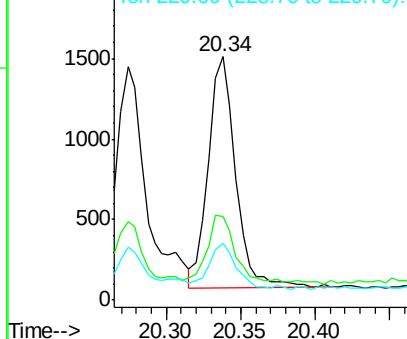
228 100

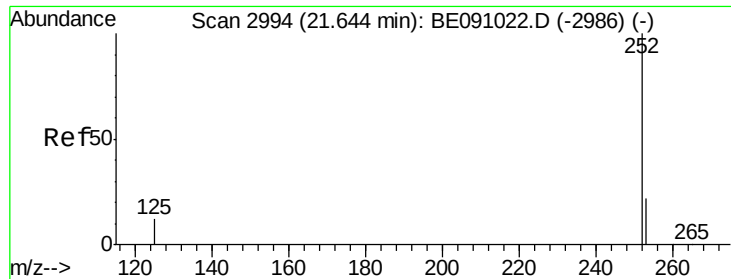
226 34.3 23.6 35.4

229 23.5 15.8 23.8



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

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.53 min Scan# 2969

Delta R.T. -0.11 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

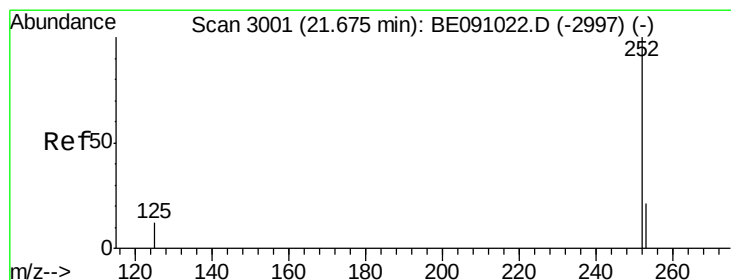
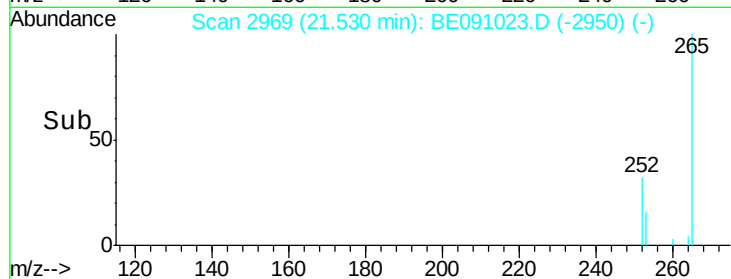
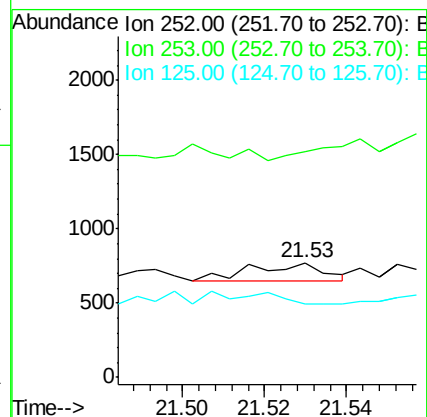
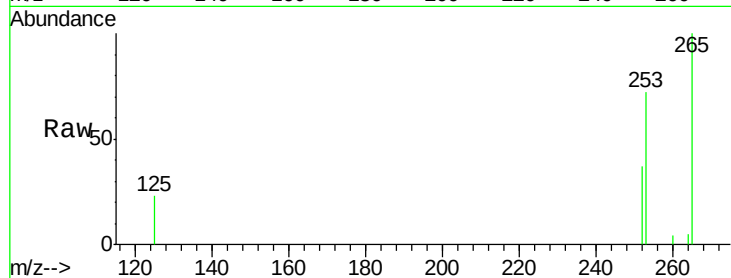
Tot Ion:252 Resp: 158

Ion Ratio Lower Upper

252 100

253 196.3 0.0 76.2#

125 63.8 0.0 31.2#



#22

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.53 min Scan# 2969

Delta R.T. -0.15 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

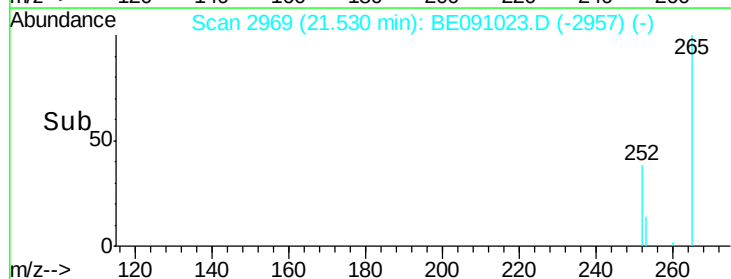
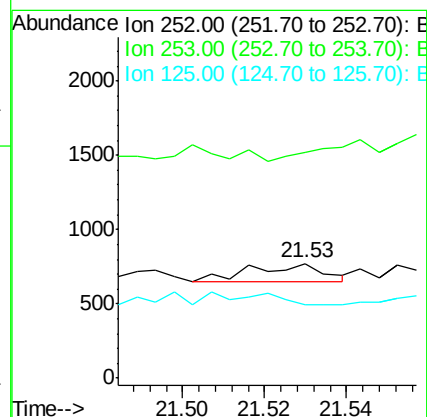
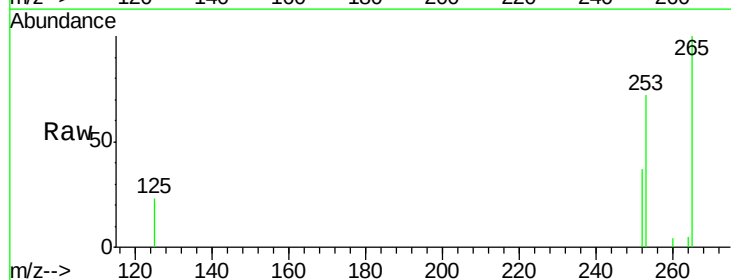
Tgt Ion:252 Resp: 158

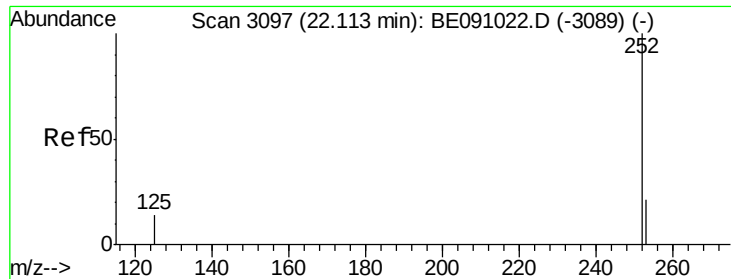
Ion Ratio Lower Upper

252 100

253 196.3 29.8 44.6#

125 63.8 12.2 18.4#





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 22.09 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

Instrument :

BNA_E

ClientSampleId :

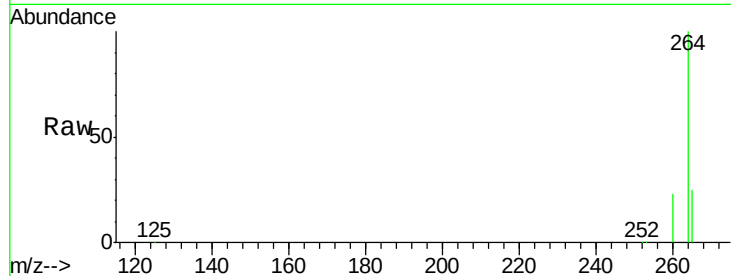
Tot Ion:252 Resp: 15778

Ion Ratio Lower Upper

252 100

253 43.1 34.0 51.0

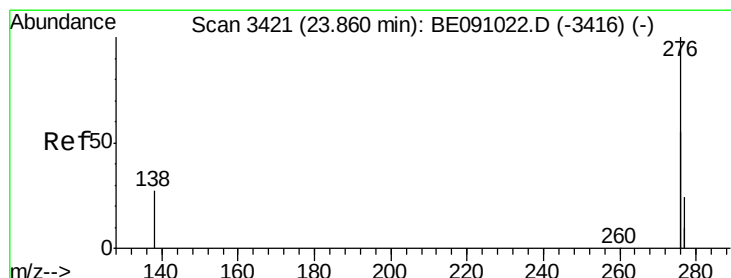
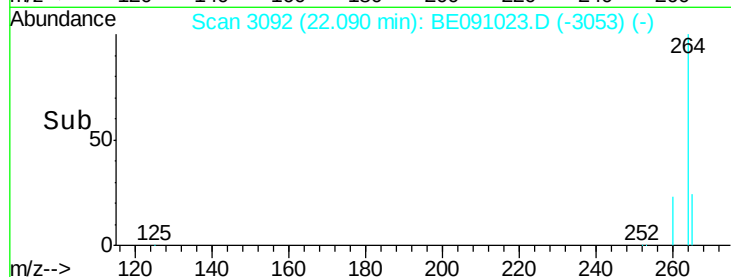
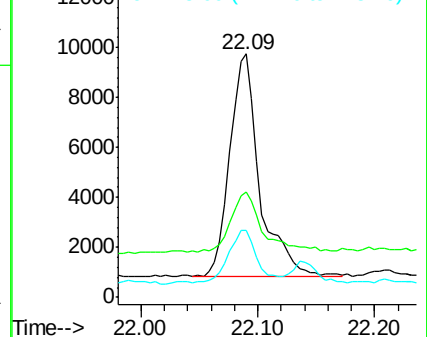
125 27.7 13.6 20.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.86 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BE091023.D

Acq: 19 Oct 2015 16:41

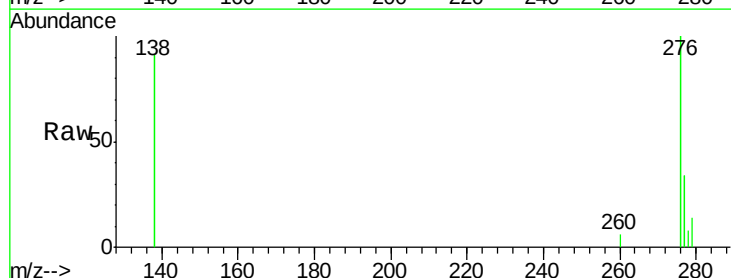
Tgt Ion:276 Resp: 7355

Ion Ratio Lower Upper

276 100

138 25.0 19.5 29.3

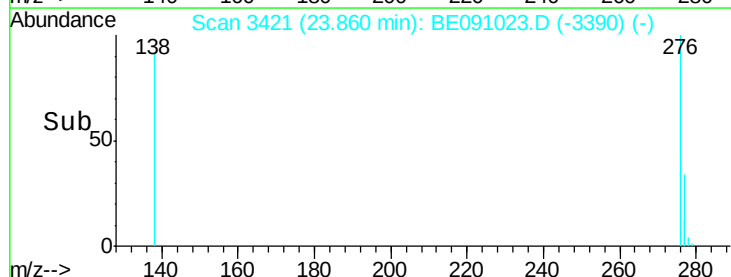
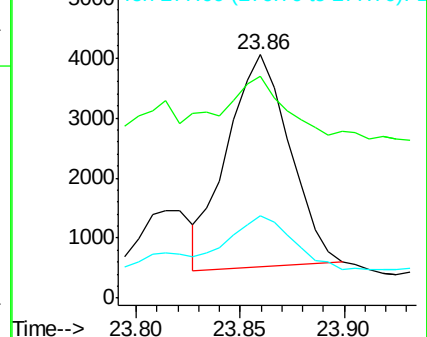
277 26.2 19.4 29.0

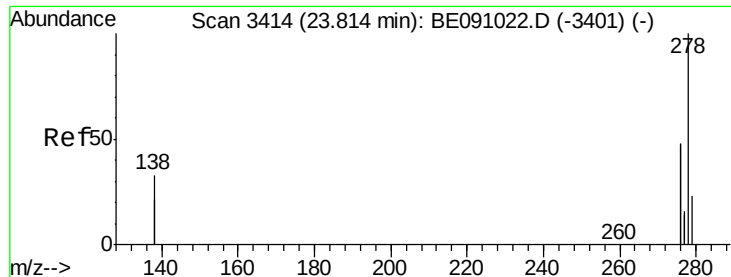


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

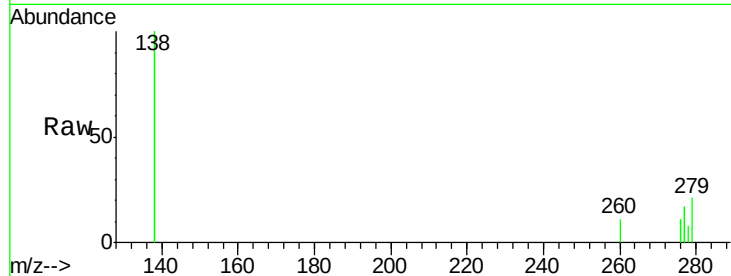




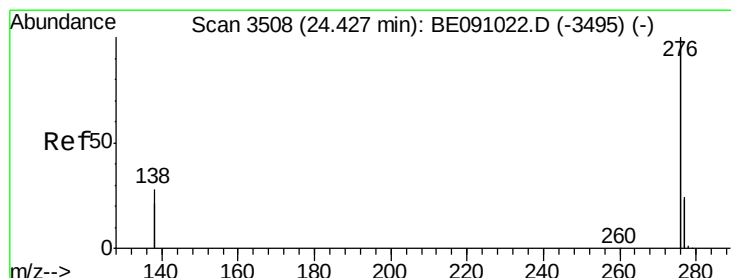
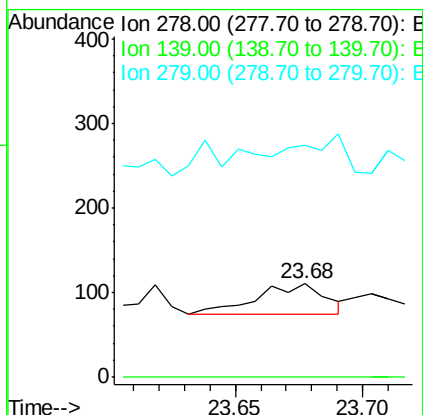
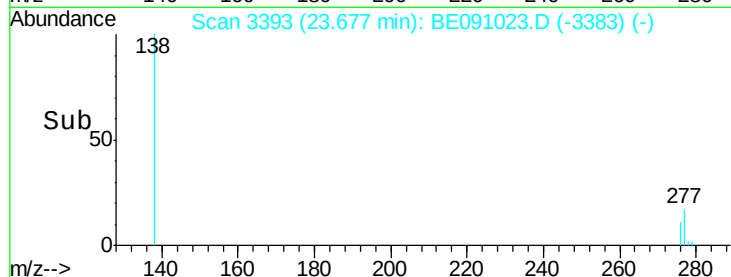
#25
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 23.68 min Scan# 3393
Delta R.T. -0.14 min
Lab File: BE091023.D
Acq: 19 Oct 2015 16:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 69
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 250.0 22.1 33.1#

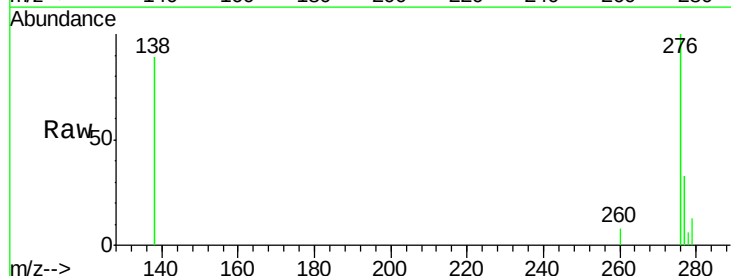


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 24.43 min Scan# 3508
Delta R.T. 0.00 min
Lab File: BE091023.D
Acq: 19 Oct 2015 16:41

Tgt Ion:276 Resp: 9306
Ion Ratio Lower Upper
276 100
277 32.7 19.8 29.8#
138 89.4 29.4 44.2#



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

