

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091255.D
 Acq On : 20 Nov 2015 20:56
 Operator : UM/NP
 Sample : G4310-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM7

Quant Time: Nov 21 02:54:41 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

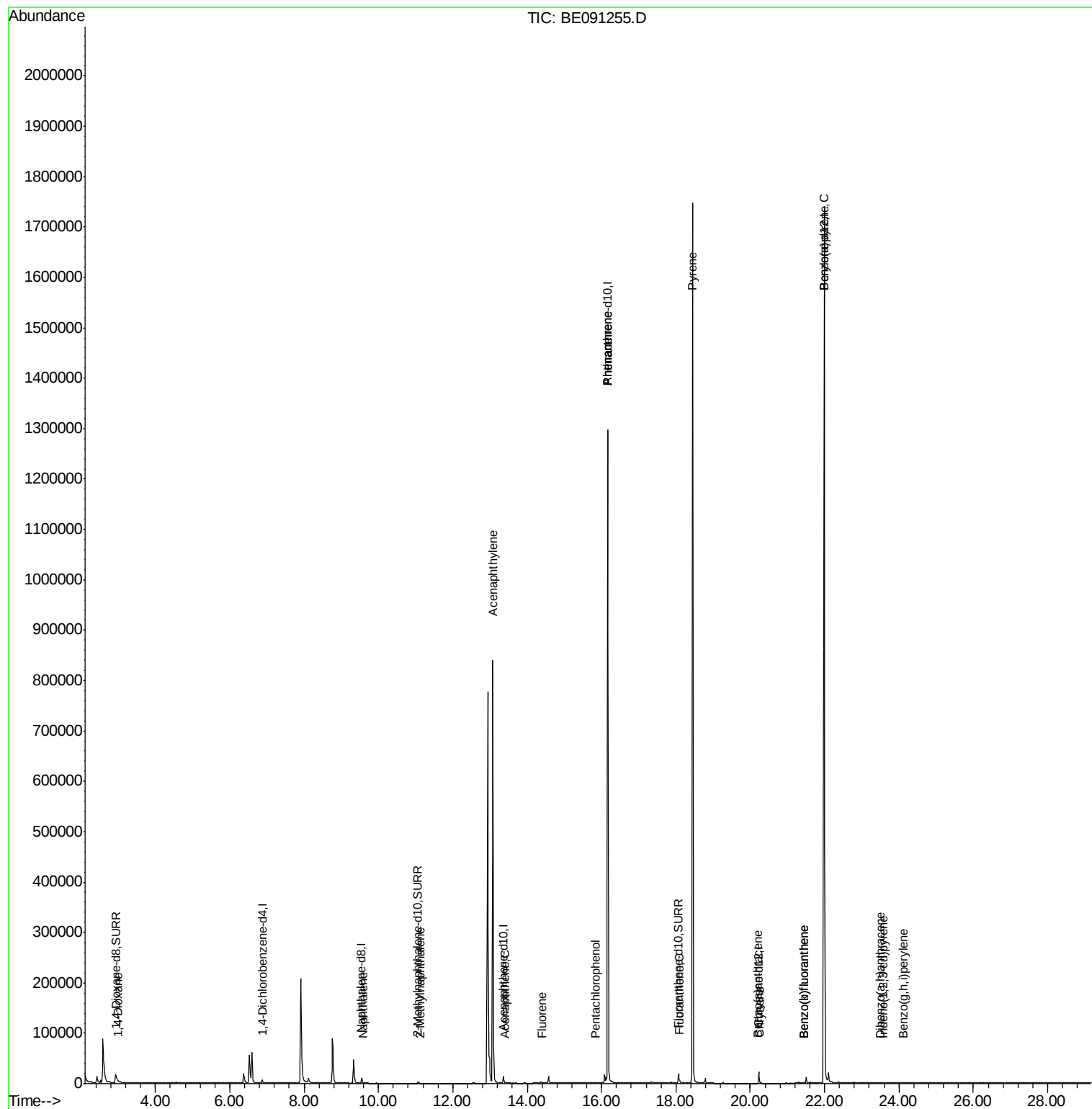
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	2722	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13485	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7549	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1474873	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	21437	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1875752	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	22900	11.70	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	6511	0.35	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	21500	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.00	88	24	0.01	ng/ul#	24
5) Naphthalene	9.59	128	666	0.02	ng/ul#	40
7) 2-Methylnaphthalene	11.13	142	79	0.00	ng/ul	86
9) Acenaphthylene	13.07	152	166	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	105	0.00	ng/ul#	66
11) Fluorene	14.40	166	235	0.01	ng/ul#	83
13) Pentachlorophenol	15.85	266	247	0.00	ng/ul	97
14) Phenanthrene	16.16	178	4617	0.00	ng/ul#	1
15) Anthracene	16.16	178	4616	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	9294	0.00	ng/ul	82
19) Pyrene	18.45	202	19370	0.08	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	837	0.02	ng/ul#	76
21) Chrysene	20.27	228	1151	0.02	ng/ul#	81
23) Benzo(b)fluoranthene	21.43	252	27	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.46	252	18	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.99	252	7197	0.00	ng/ul#	59
26) Indeno(1,2,3-cd)pyrene	23.57	276	139	0.00	ng/ul#	43
27) Dibenzo(a,h)anthracene	23.51	278	13	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	27	0.00	ng/ul#	1

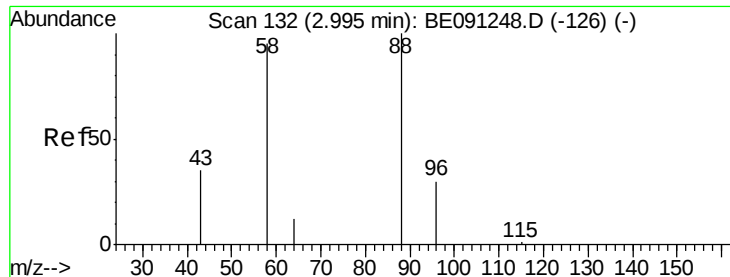
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.01 ng/ul

RT: 3.00 min Scan# 133

Delta R.T. 0.01 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

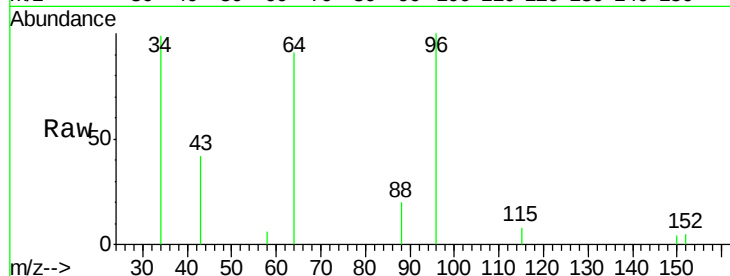
Tot Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

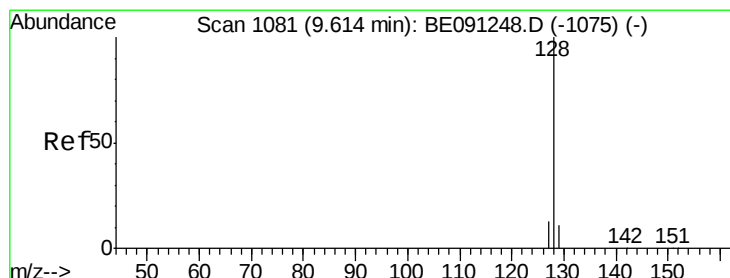
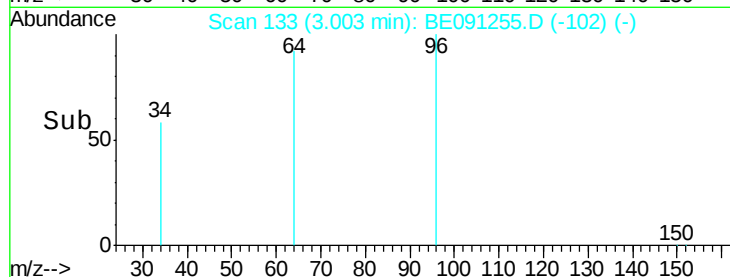
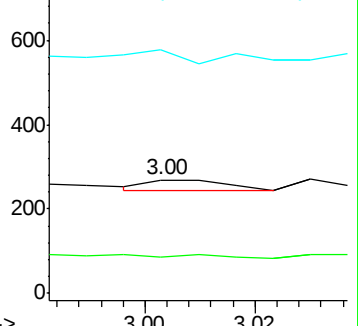
43 0.0 24.2 36.2#



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. -0.02 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

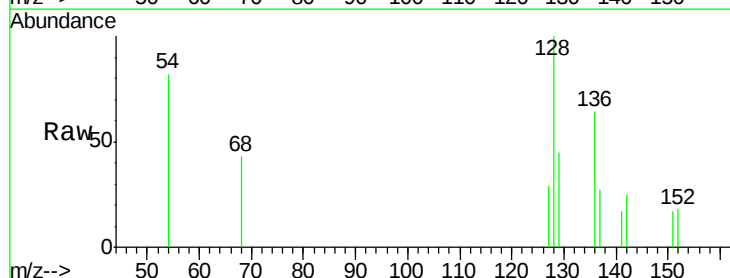
Tgt Ion: 128 Resp: 666

Ion Ratio Lower Upper

128 100

129 44.8 9.8 14.8#

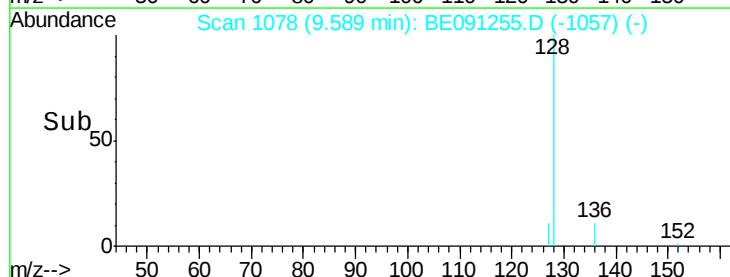
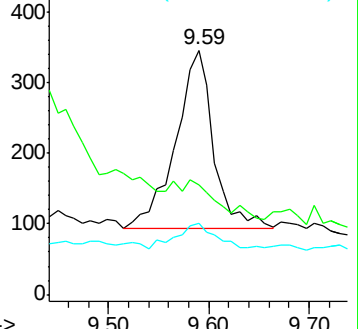
127 28.9 10.7 16.1#

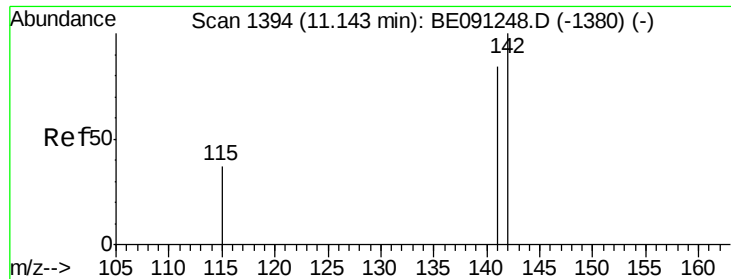


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

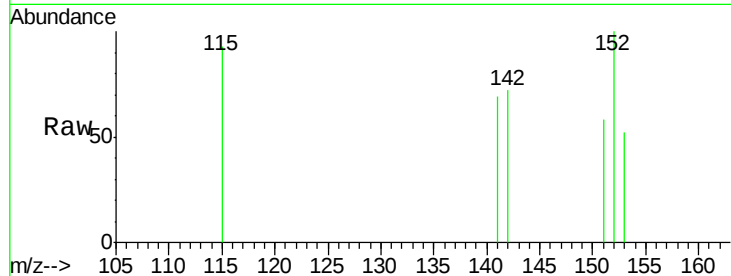
D9KM7

Tot Ion:142 Resp: 79

Ion Ratio Lower Upper

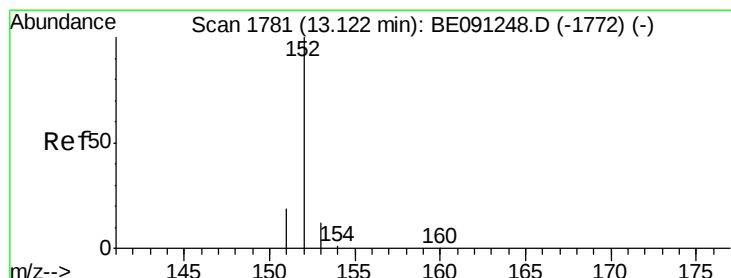
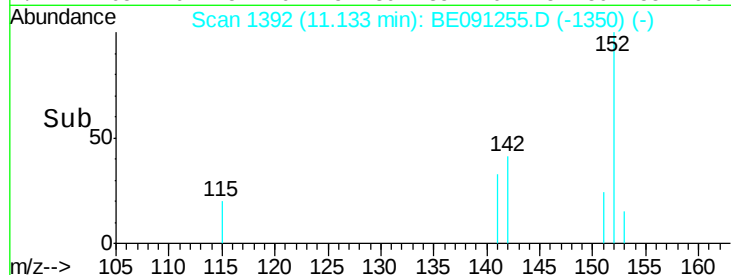
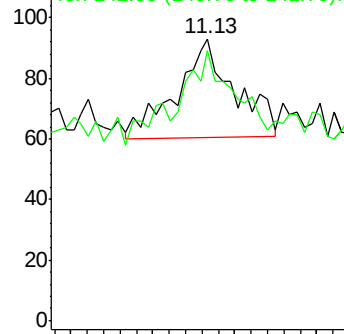
142 100

141 74.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

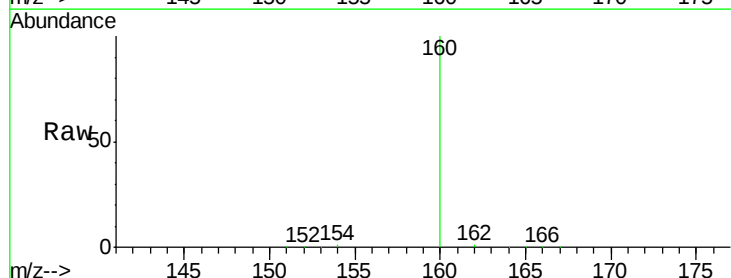
Tgt Ion:152 Resp: 166

Ion Ratio Lower Upper

152 100

151 68.9 16.8 25.2#

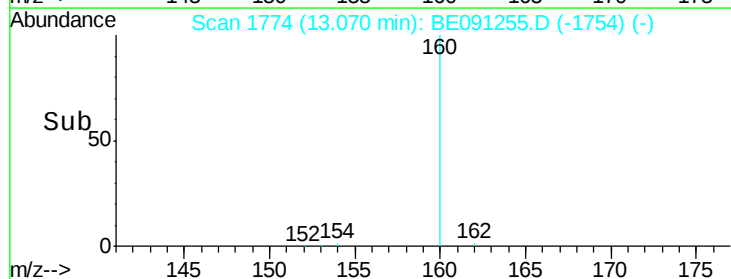
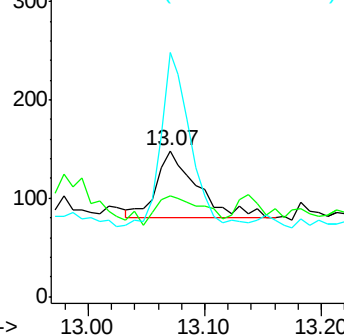
153 167.6 11.3 16.9#

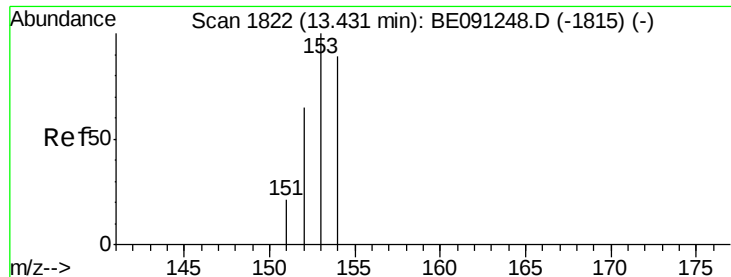


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

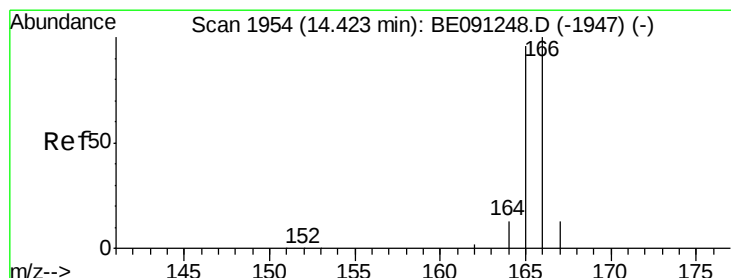
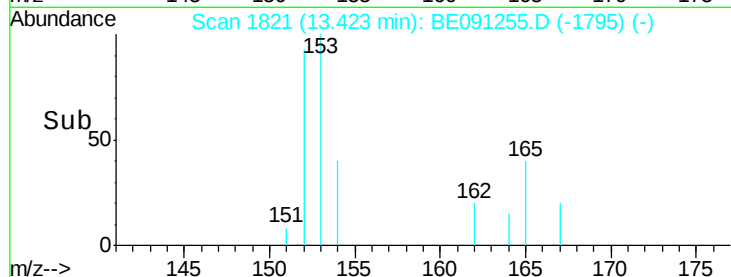
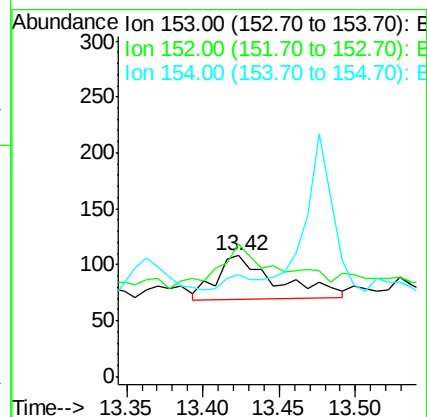
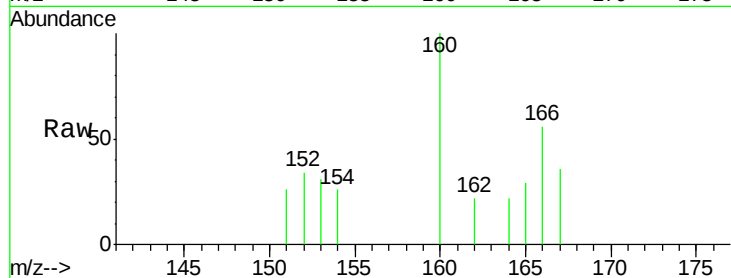
Tot Ion:153 Resp: 105

Ion Ratio Lower Upper

153 100

152 110.2 42.3 63.5#

154 84.3 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: BE091255.D

Acq: 20 Nov 2015 20:56

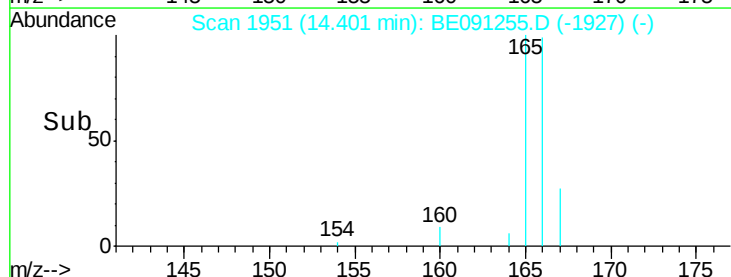
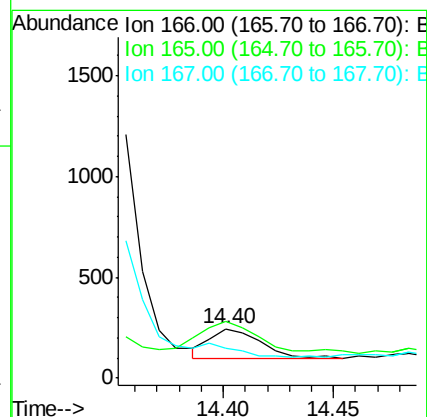
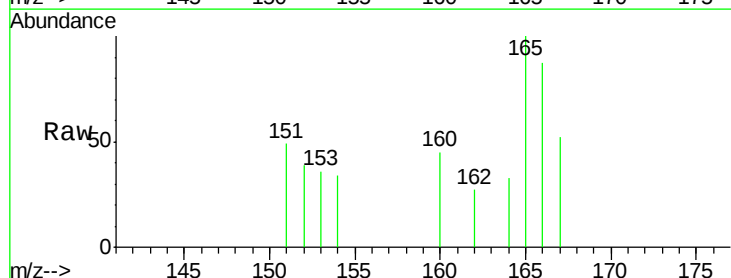
Tgt Ion:166 Resp: 235

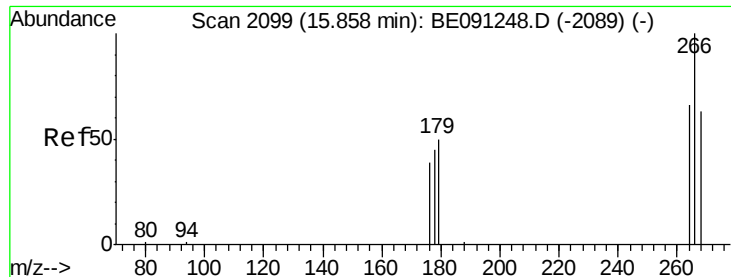
Ion Ratio Lower Upper

166 100

165 114.7 87.6 131.4

167 59.6 11.1 16.7#

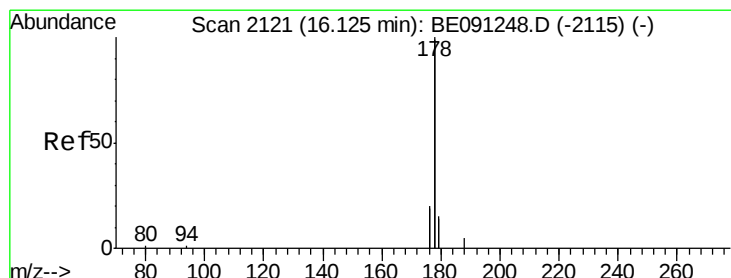
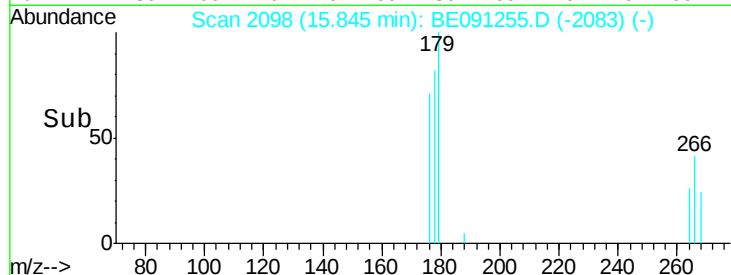
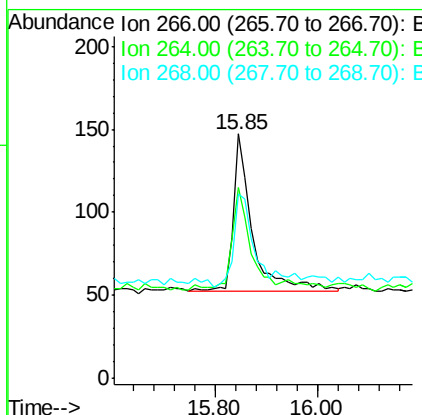
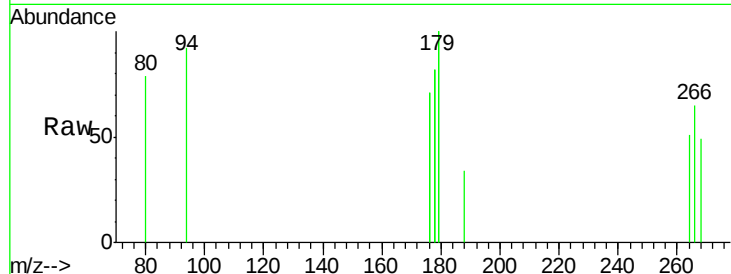




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091255.D
 Acq: 20 Nov 2015 20:56

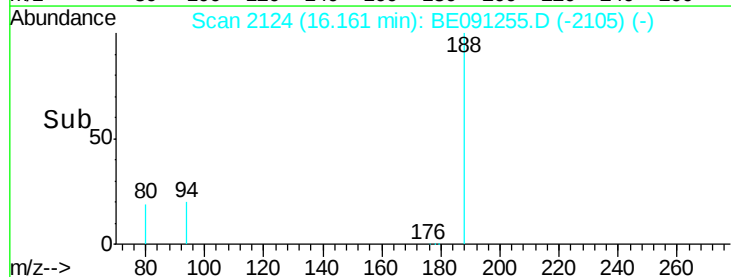
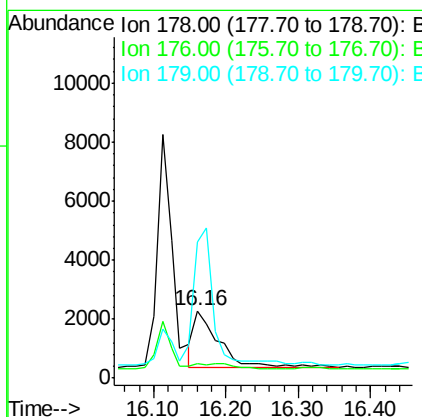
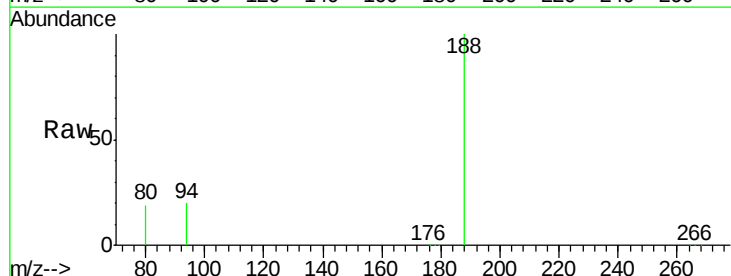
Instrument :
 BNA_E
 ClientSampleId :
 D9KM7

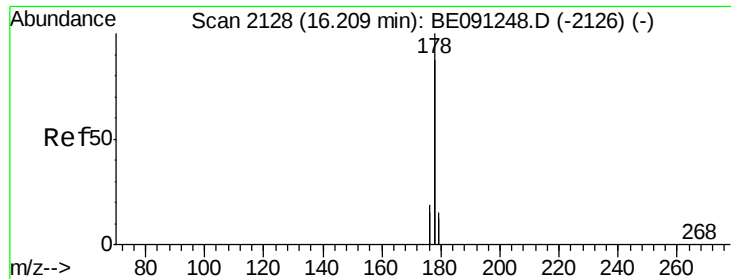
Tot Ion:266 Resp: 247
 Ion Ratio Lower Upper
 266 100
 264 70.9 53.5 80.3
 268 68.8 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091255.D
 Acq: 20 Nov 2015 20:56

Tgt Ion:178 Resp: 4617
 Ion Ratio Lower Upper
 178 100
 176 20.9 16.2 24.4
 179 202.2 12.8 19.2#

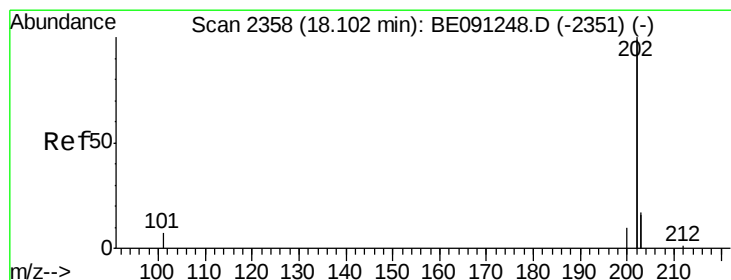
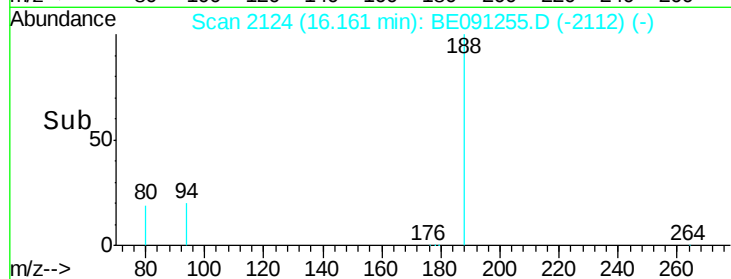
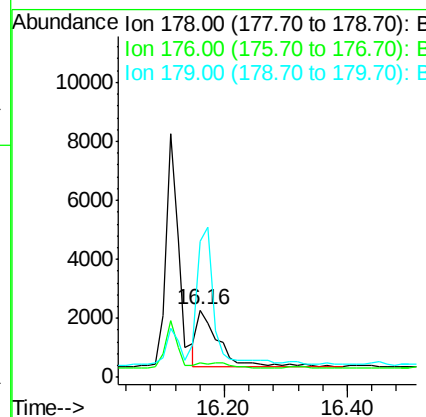
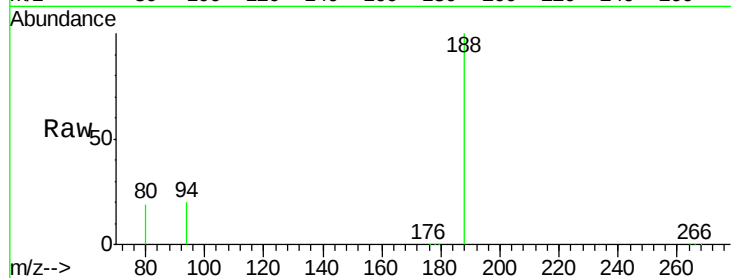




#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. -0.05 min
 Lab File: BE091255.D
 Acq: 20 Nov 2015 20:56

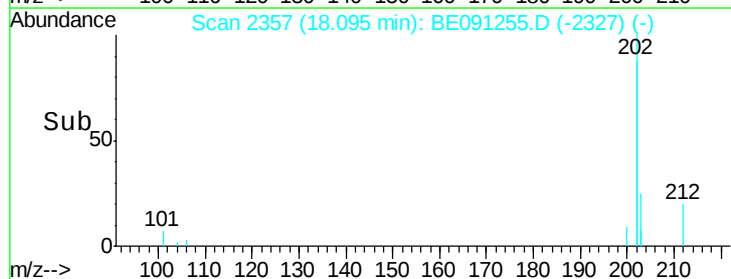
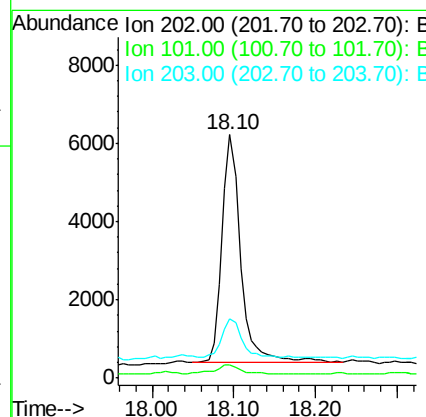
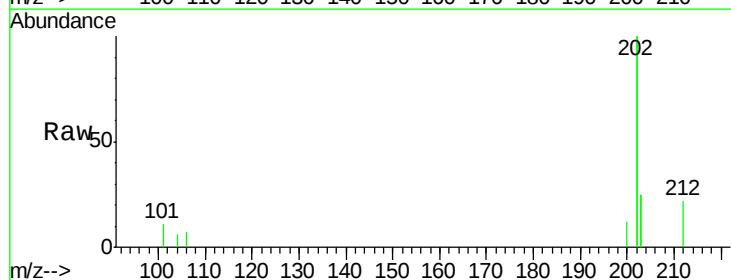
Instrument :
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 ClientSampleId :
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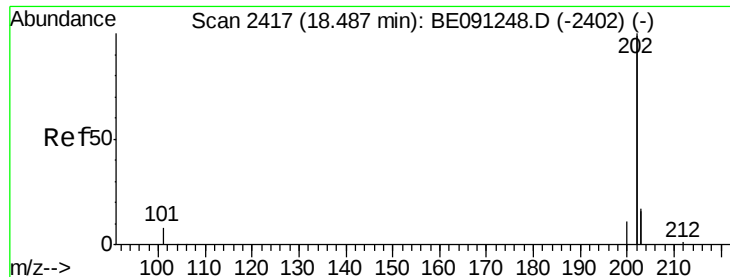
Tot Ion:178 Resp: 4616
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.8 23.8
 179 202.2 13.3 19.9#



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091255.D
 Acq: 20 Nov 2015 20:56

Tgt Ion:202 Resp: 9294
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 33.1
 203 24.5 0.0 37.2

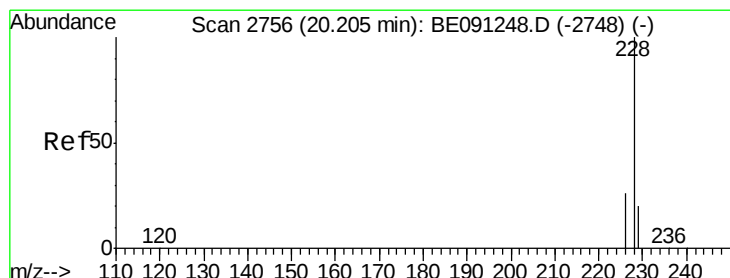
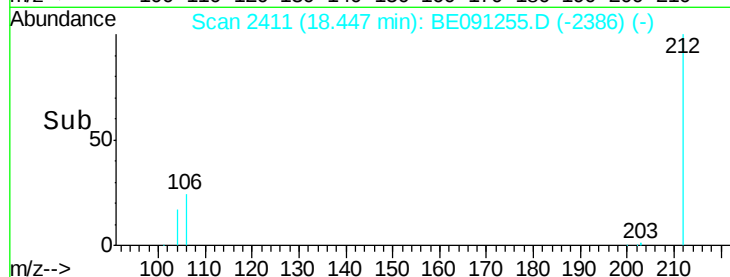
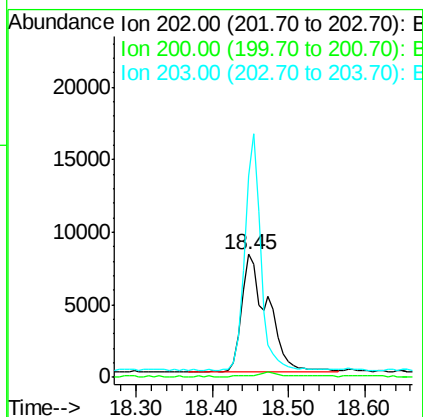
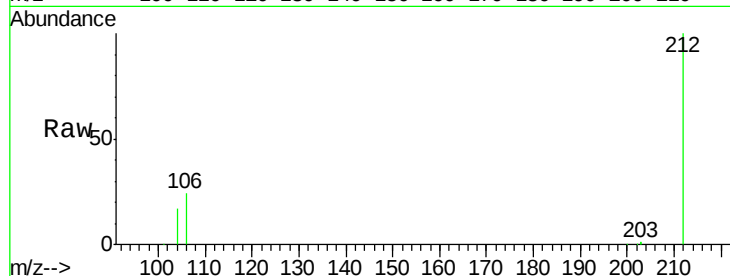




#19
Pvrene
Concen: 0.08 ng/u1
RT: 18.45 min Scan# 2411
Delta R.T. -0.04 min
Lab File: BE091255.D
Acq: 20 Nov 2015 20:56

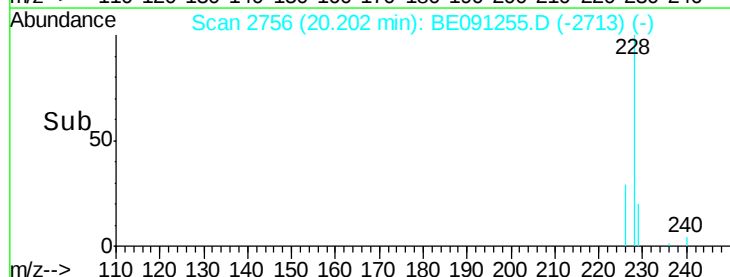
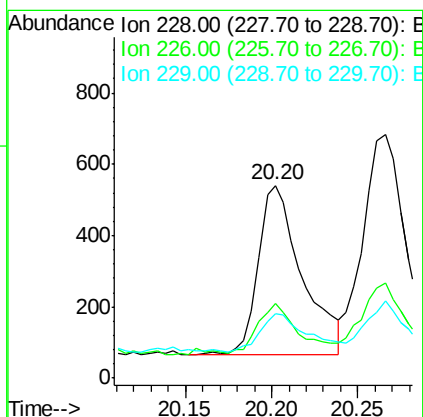
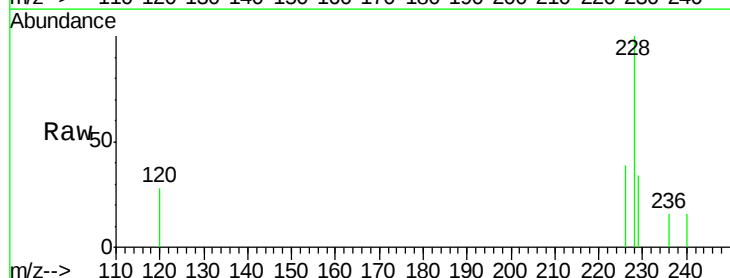
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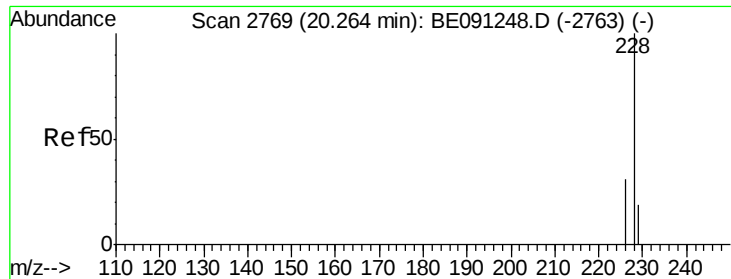
Tot Ion:202 Resp: 19370
Ion Ratio Lower Upper
202 100
200 1.8 18.0 27.0#
203 164.3 13.8 20.6#



#20
Benzo(a)anthracene
Concen: 0.02 ng/u1
RT: 20.20 min Scan# 2756
Delta R.T. -0.00 min
Lab File: BE091255.D
Acq: 20 Nov 2015 20:56

Tgt Ion:228 Resp: 837
Ion Ratio Lower Upper
228 100
226 38.7 23.0 34.4#
229 33.5 15.2 22.8#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

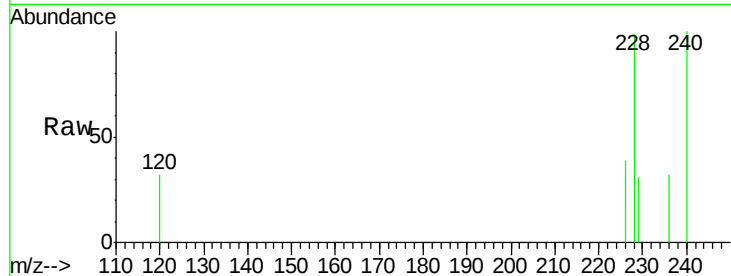
Tot Ion:228 Resp: 1151

Ion Ratio Lower Upper

228 100

226 39.2 25.7 38.5#

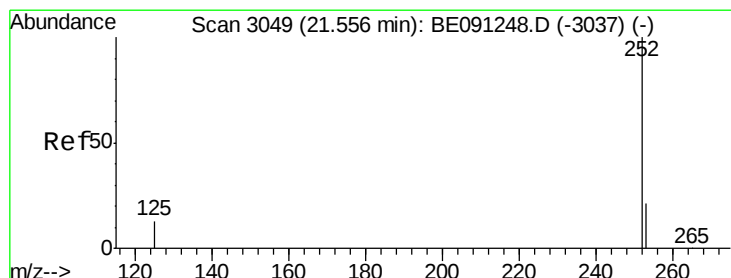
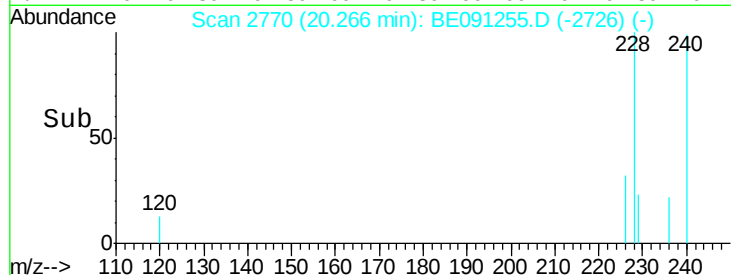
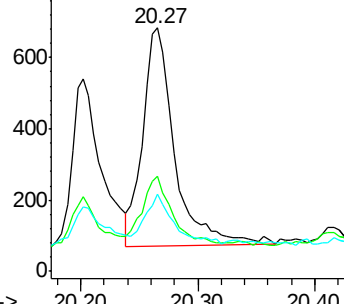
229 31.8 15.2 22.8#



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: 21.43 min Scan# 3021

Delta R.T. -0.13 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

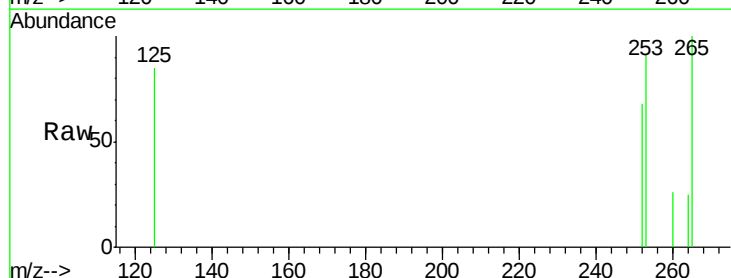
Tgt Ion:252 Resp: 27

Ion Ratio Lower Upper

252 100

253 134.1 0.0 48.0#

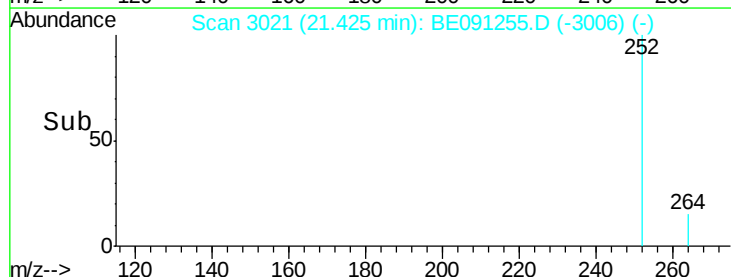
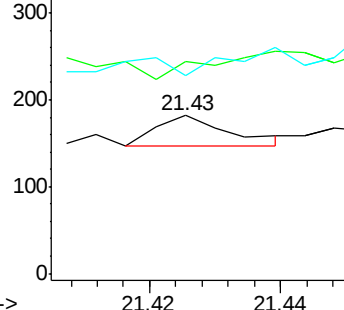
125 125.3 0.0 36.6#

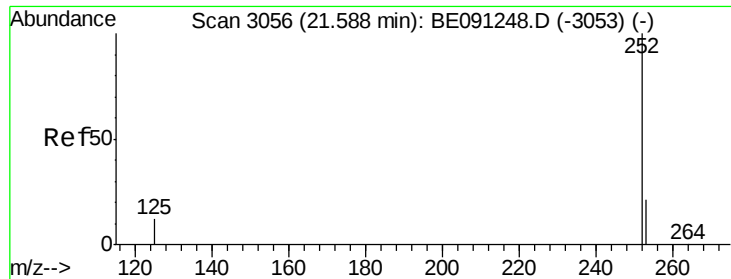


Abundance Ion 252.00 (251.70 to 252.70): E

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: 21.46 min Scan# 3028

Delta R.T. -0.13 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

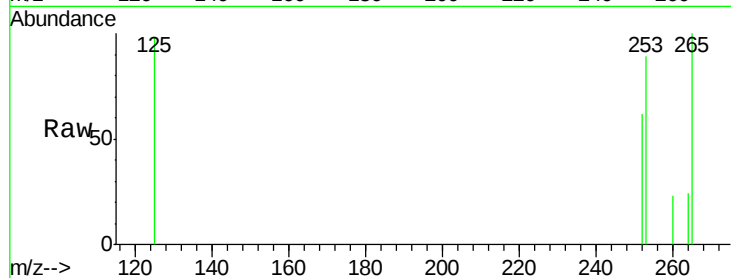
Tot Ion:252 Resp: 18

Ion Ratio Lower Upper

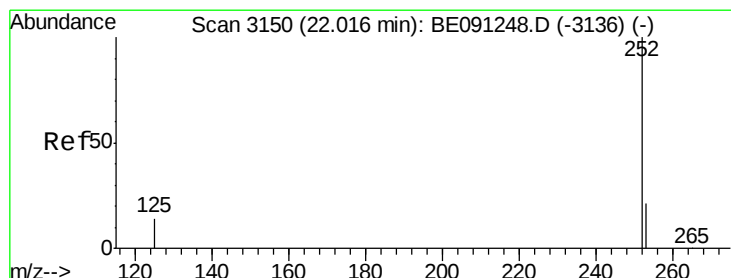
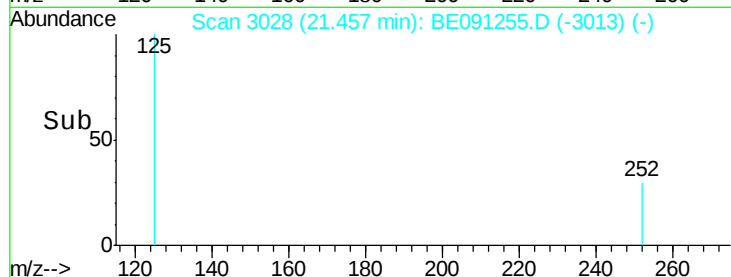
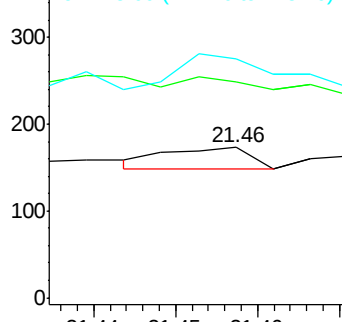
252 100

253 143.9 20.8 31.2#

125 159.0 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: 21.99 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

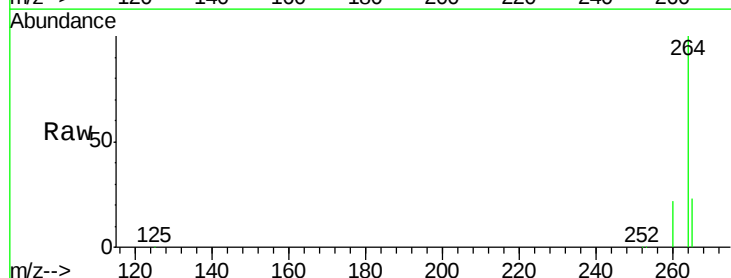
Tgt Ion:252 Resp: 7197

Ion Ratio Lower Upper

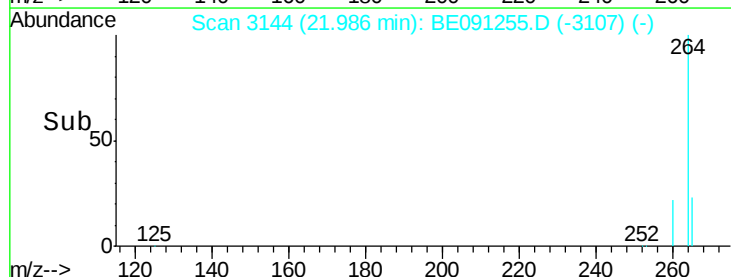
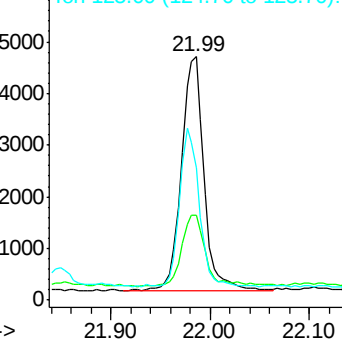
252 100

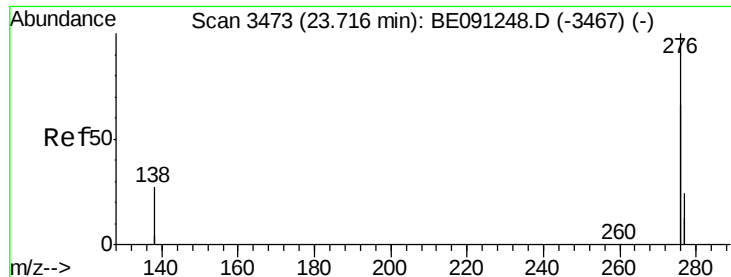
253 34.8 21.8 32.8#

125 54.4 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: 23.57 min Scan# 3451

Delta R.T. -0.14 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

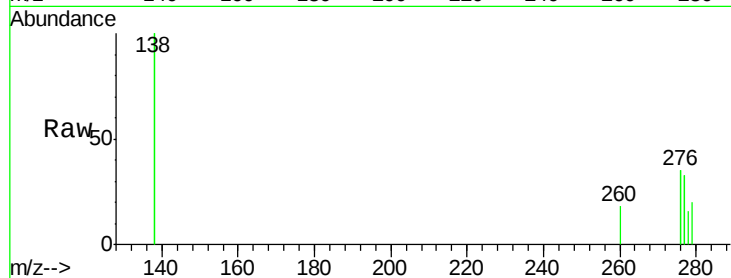
Tot Ion:276 Resp: 139

Ion Ratio Lower Upper

276 100

138 74.1 27.5 41.3#

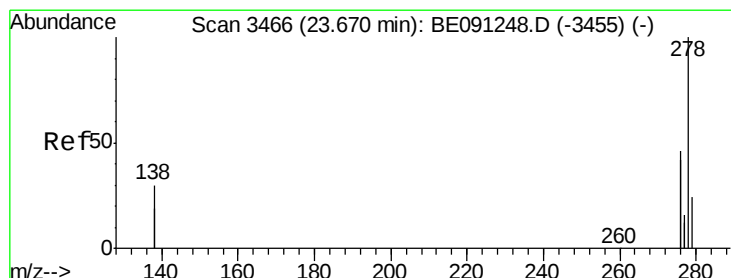
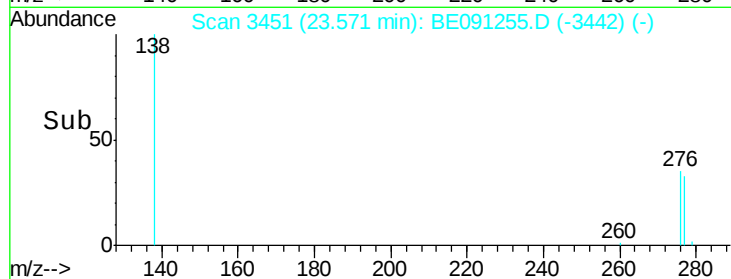
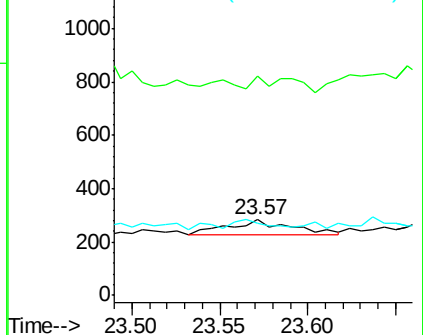
277 43.9 19.3 28.9#



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: BE091255.D

Acq: 20 Nov 2015 20:56

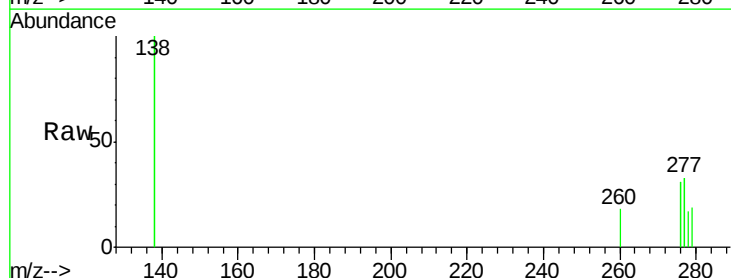
Tgt Ion:278 Resp: 13

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

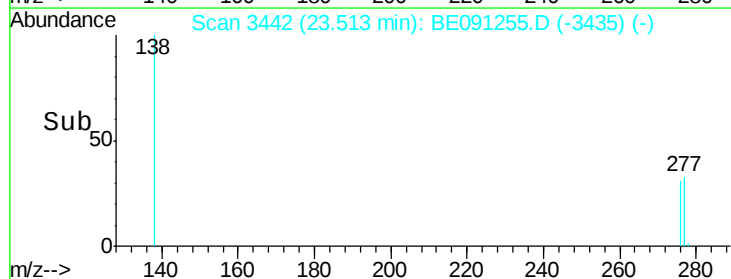
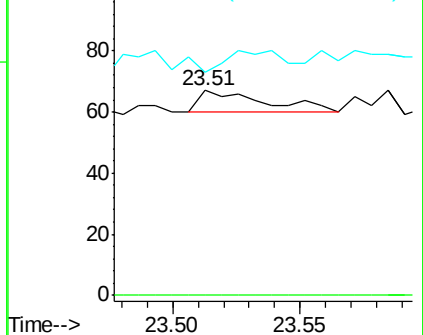
279 109.0 21.9 32.9#

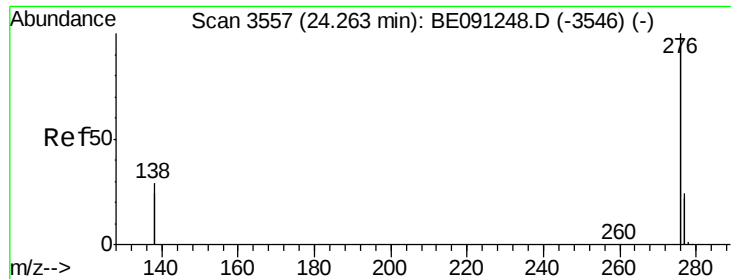


Abundance Ion 278.00 (277.70 to 278.70): E

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. -0.15 min

Lab File: BE091255.D

Acq: 20 Nov 2015 20:56

Instrument :

BNA_E

ClientSampleId :

D9KM7

Tot Ion: 276 Resp: 27

Ion Ratio Lower Upper

276 100

277 102.4 21.3 31.9#

138 320.8 25.5 38.3#

