

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
 Data File : BE091169.D
 Acq On : 15 Nov 2015 12:50
 Operator : UM/NP
 Sample : G4322-09DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS0DL

Quant Time: Nov 16 04:56:00 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 : Mon Nov 16 04:54:02 2015
 Response via : Initial Calibration

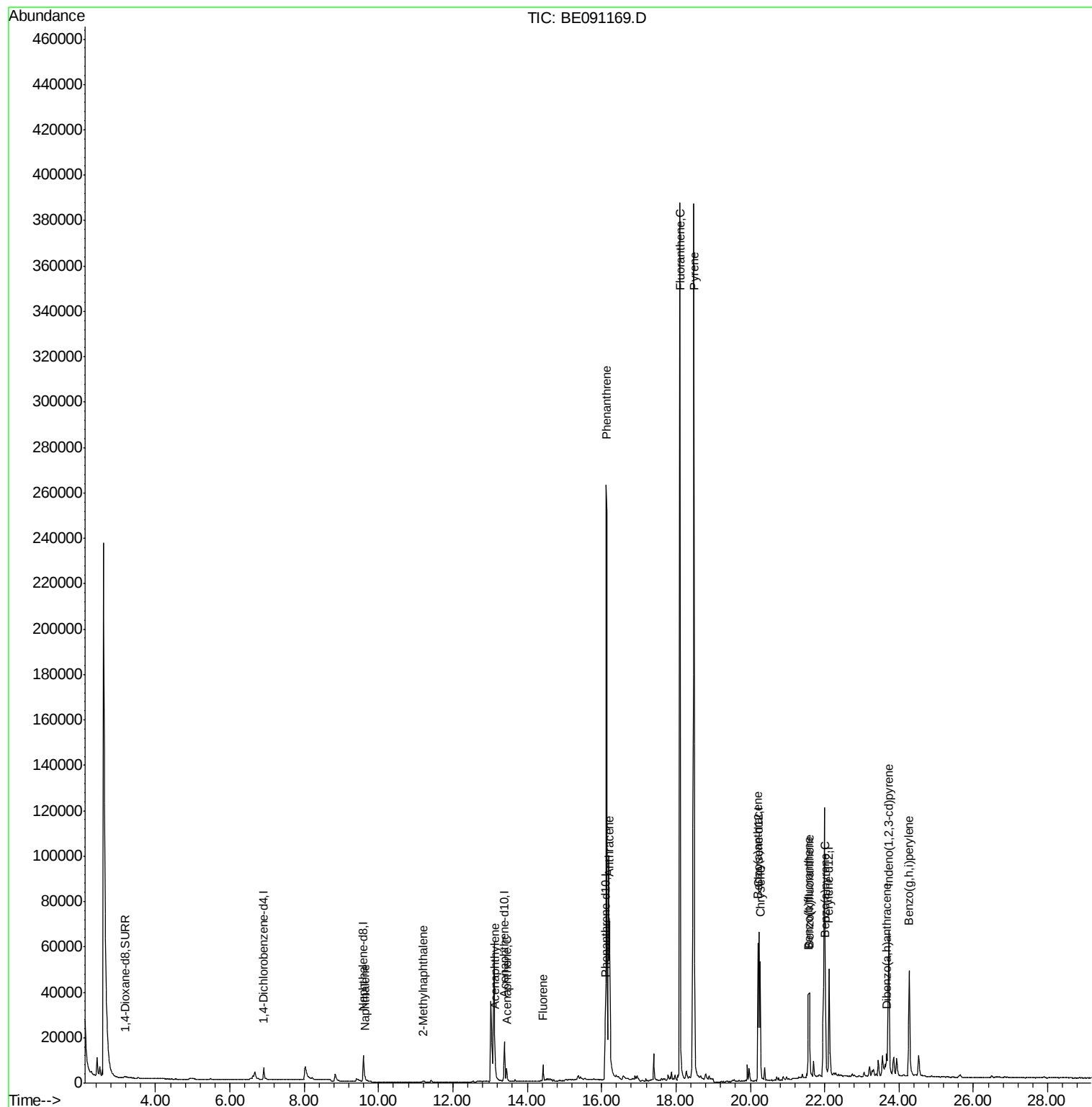
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	3537	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.59	136	17687	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.39	164	11050	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	30902	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	56355	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	50596	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	1461	0.57	ng/uL	0.11
6) 2-Methylnaphthalene-d10	11.13	152	490	0.02	ng/ul	0.04
16) Fluoranthene-d10	18.08	212	1552	0.02	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.63	128	2548	0.06	ng/ul#	88
7) 2-Methylnaphthalene	11.19	142	1004	0.04	ng/ul	98
9) Acenaphthylene	13.14	152	1817	0.03	ng/ul#	84
10) Acenaphthene	13.45	153	3492	0.09	ng/ul	90
11) Fluorene	14.42	166	5186	0.11	ng/ul#	92
14) Phenanthrene	16.12	178	338435	0.95	ng/ul	97
15) Anthracene	16.21	178	88382	0.27	ng/ul	99
17) Fluoranthene	18.11	202	452377	1.08	ng/ul	87
19) Pyrene	18.49	202	418805	0.65	ng/ul#	79
20) Benzo(a)anthracene	20.21	228	51866	0.36	ng/ul	96
21) Chrysene	20.27	228	51156	0.31	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	34971	0.22	ng/ul	95
24) Benzo(k)fluoranthene	21.59	252	37686	0.23	ng/ul	98
25) Benzo(a)pyrene	22.02	252	41694	0.29	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.72	276	87877	0.14	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.67	278	7913	0.05	ng/ul#	70
28) Benzo(g,h,i)perylene	24.28	276	76994	0.12	ng/ul	98

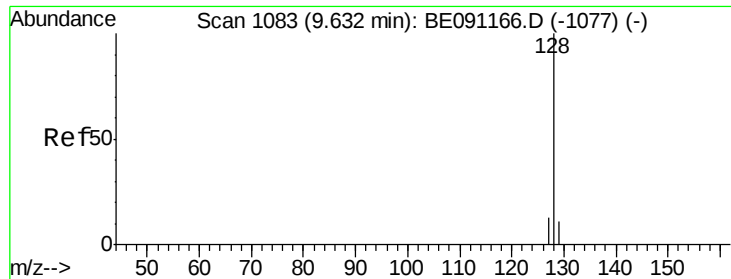
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
Data File : BE091169.D
Acq On : 15 Nov 2015 12:50
Operator : UM/NP
Sample : G4322-09DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A4HS0DL

Quant Time: Nov 16 04:56:00 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 : Mon Nov 16 04:54:02 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.06 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

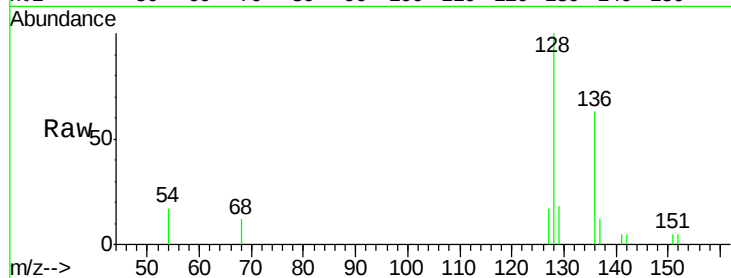
Tgt Ion:128 Resp: 2548

Ion Ratio Lower Upper

128 100

129 18.1 9.8 14.8#

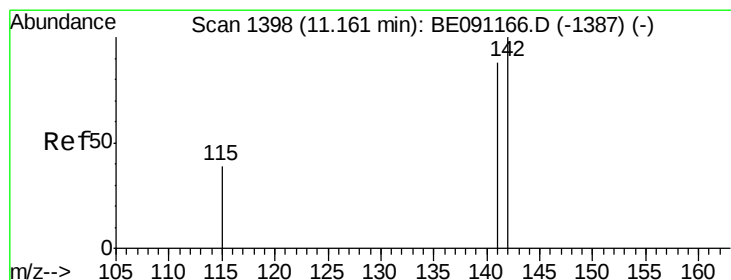
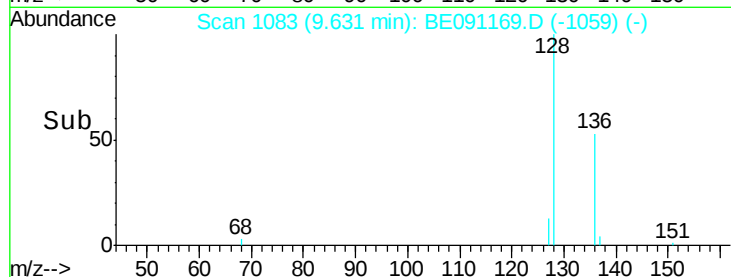
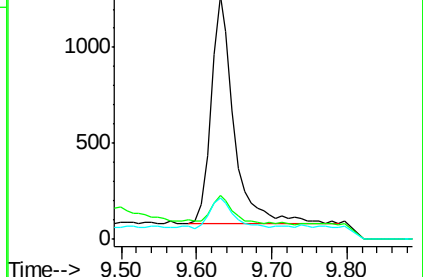
127 17.1 10.7 16.1#



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: 0.04 ng/ul

RT: 11.19 min Scan# 1404

Delta R.T. 0.03 min

Lab File: BE091169.D

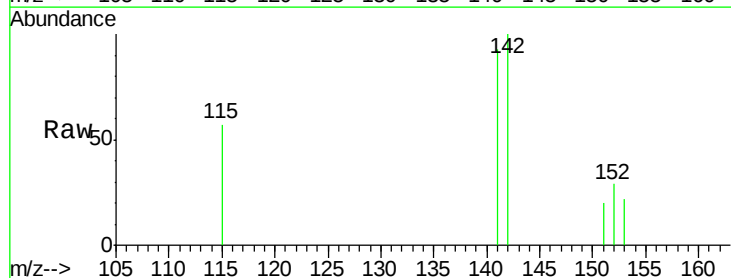
Acq: 15 Nov 2015 12:50

Tgt Ion:142 Resp: 1004

Ion Ratio Lower Upper

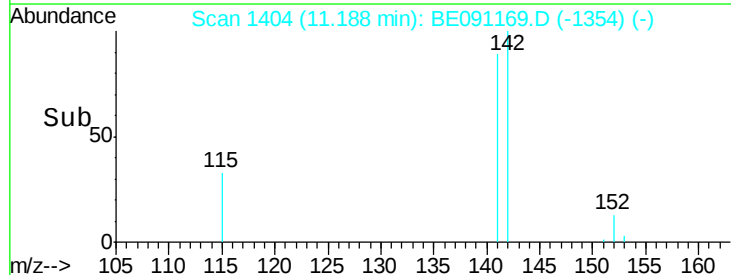
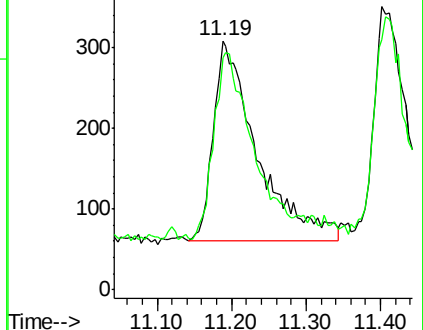
142 100

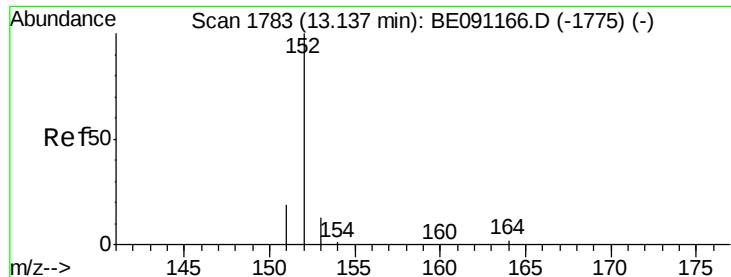
141 90.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 13.14 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

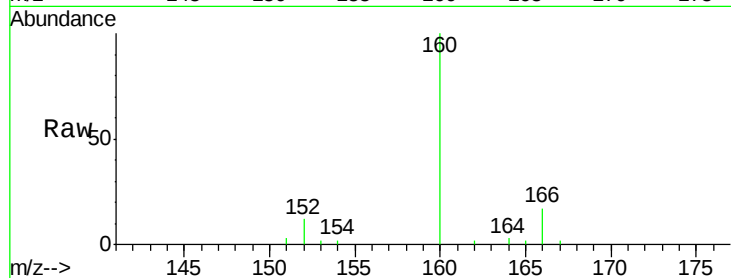
Tgt Ion:152 Resp: 1817

Ion Ratio Lower Upper

152 100

151 28.9 16.8 25.2#

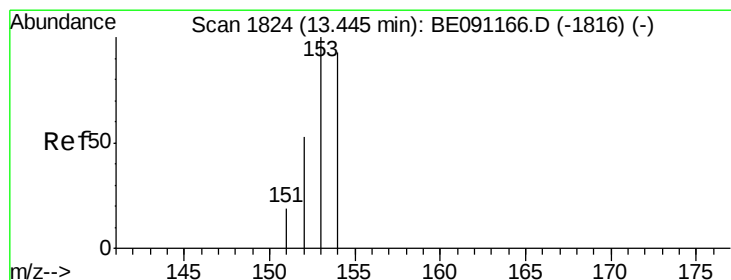
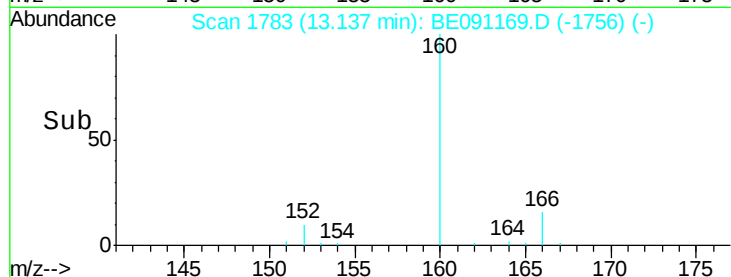
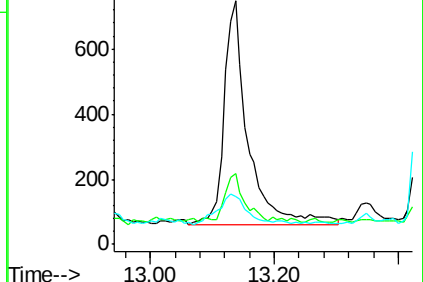
153 19.7 11.3 16.9#



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: 0.09 ng/ul

RT: 13.45 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

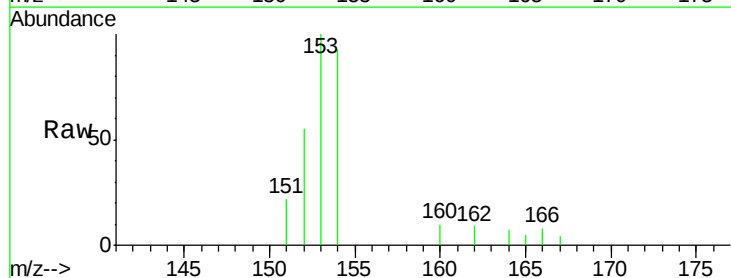
Tgt Ion:153 Resp: 3492

Ion Ratio Lower Upper

153 100

152 54.9 42.3 63.5

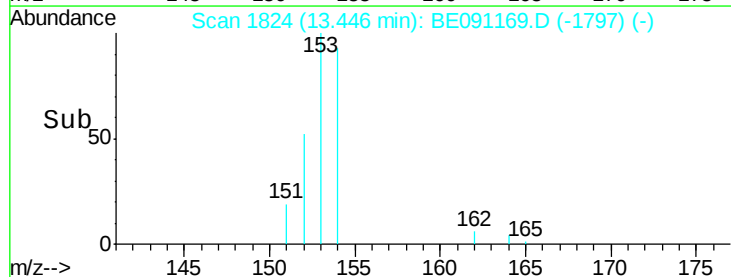
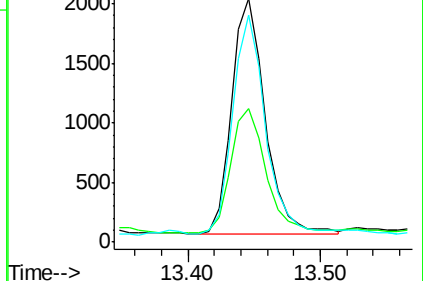
154 93.4 64.7 97.1

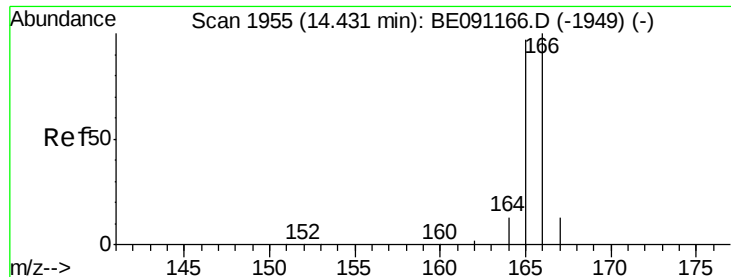


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.11 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

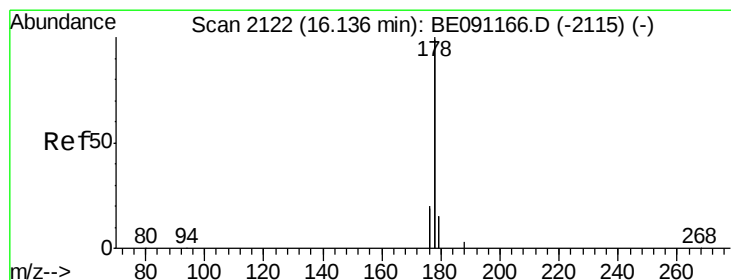
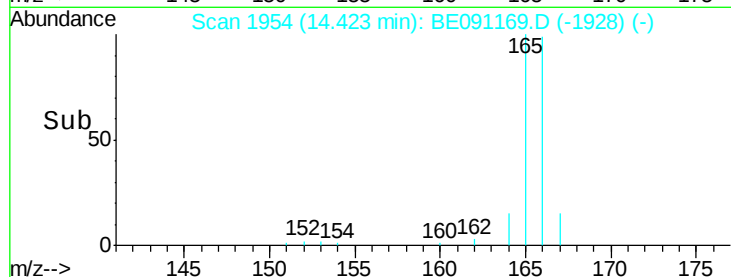
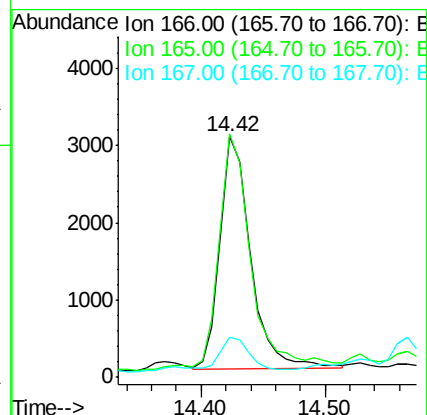
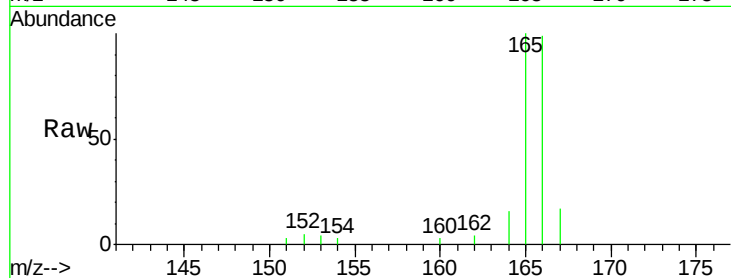
Tgt Ion:166 Resp: 5186

Ion Ratio Lower Upper

166 100

165 101.1 87.6 131.4

167 16.8 11.1 16.7#



#14

Phenanthrene

Concen: 0.95 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

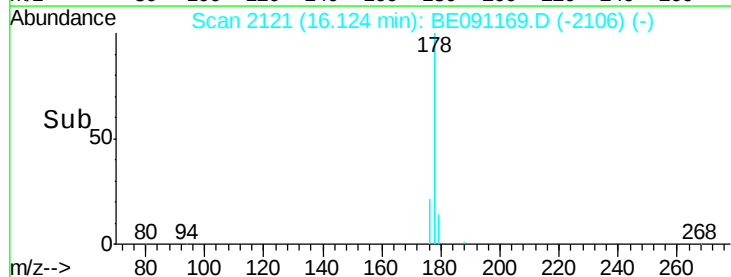
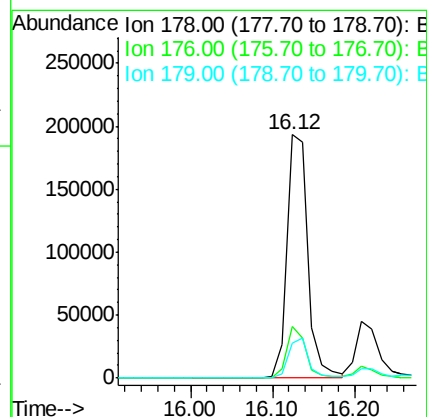
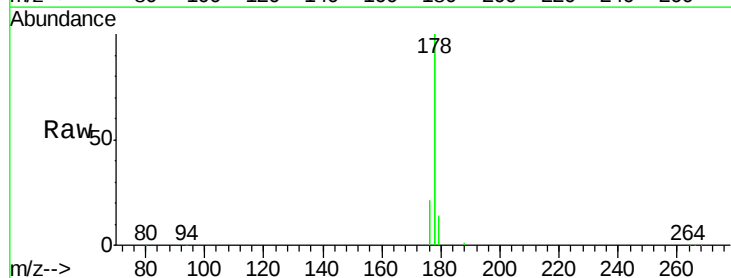
Tgt Ion:178 Resp: 338435

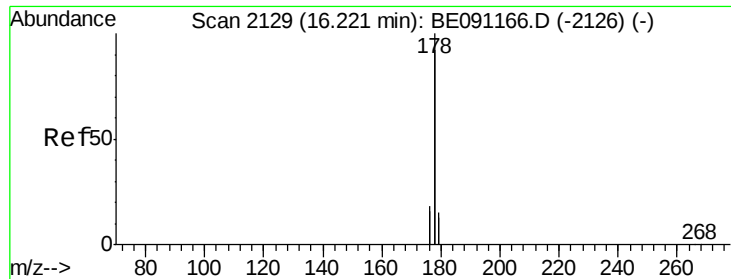
Ion Ratio Lower Upper

178 100

176 21.4 16.2 24.4

179 14.2 12.8 19.2





#15

Anthracene

Concen: 0.27 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

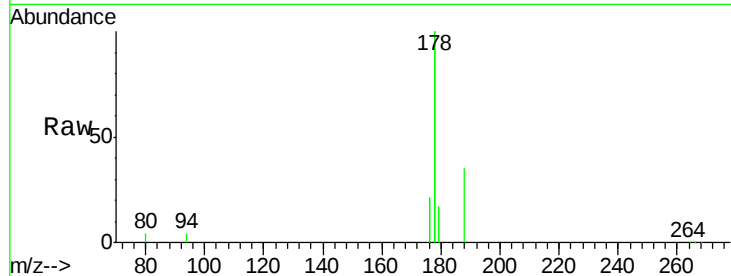
Tgt Ion:178 Resp: 88382

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

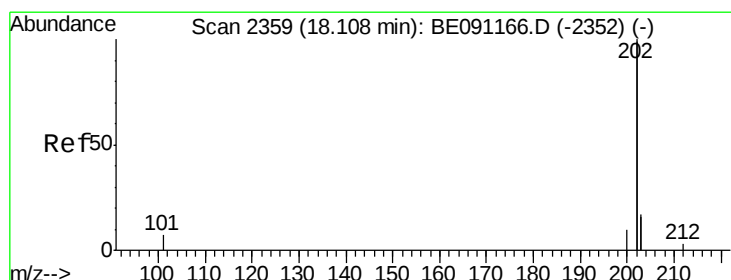
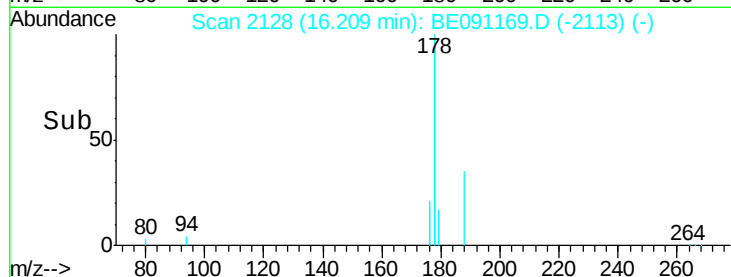
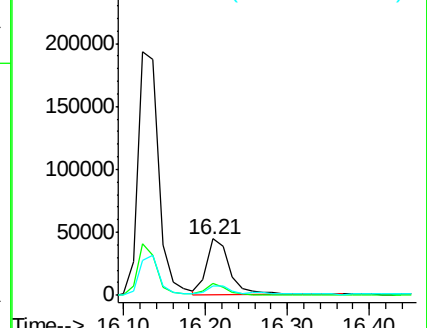
179 16.6 13.3 19.9



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: 1.08 ng/ul

RT: 18.11 min Scan# 2359

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

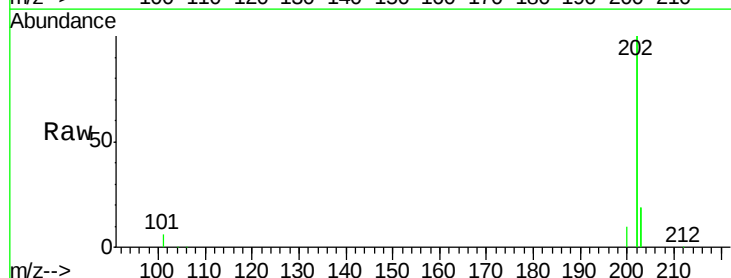
Tgt Ion:202 Resp: 452377

Ion Ratio Lower Upper

202 100

101 2.9 0.0 33.1

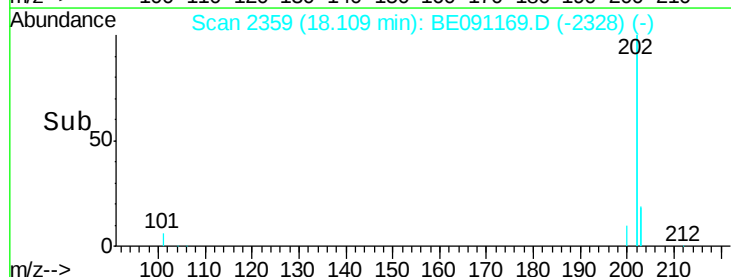
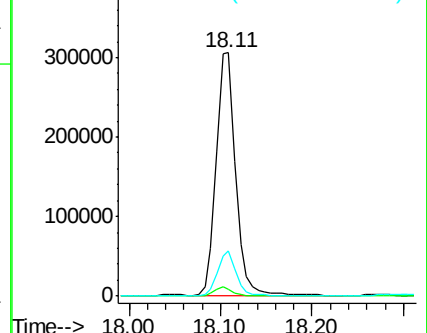
203 18.8 0.0 37.2

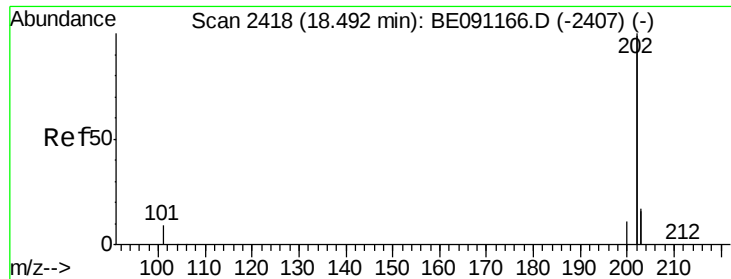


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.65 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

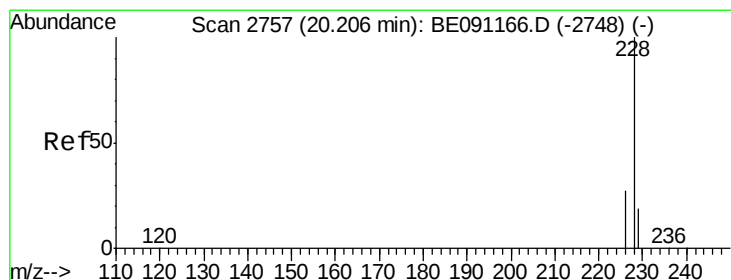
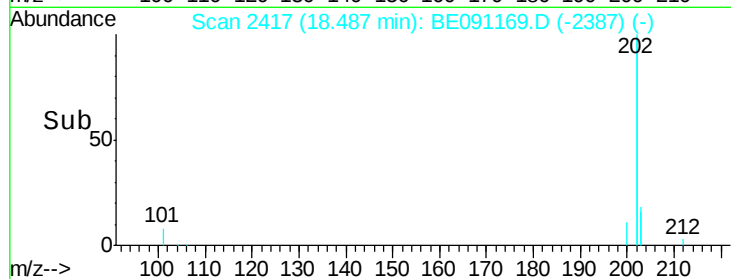
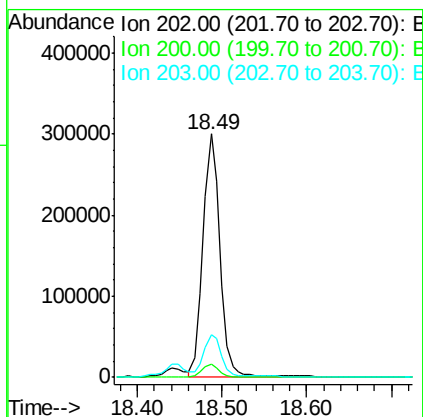
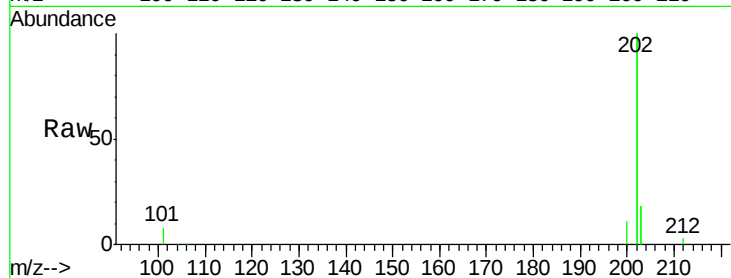
Tgt Ion:202 Resp: 418805

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 17.7 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 20.21 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

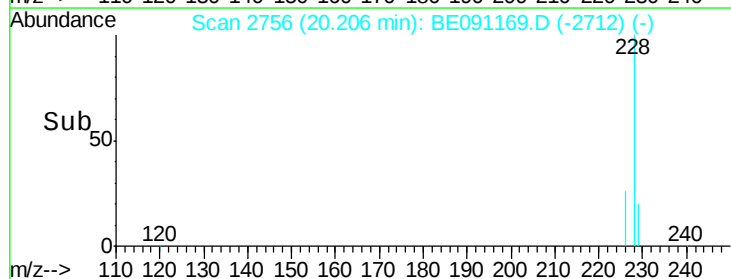
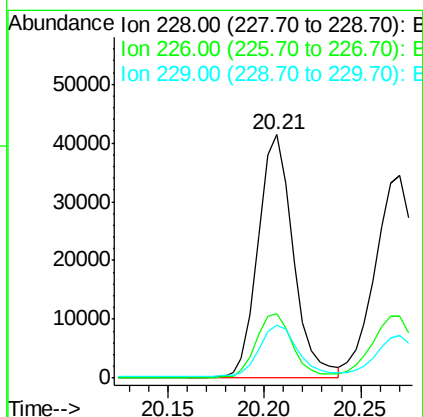
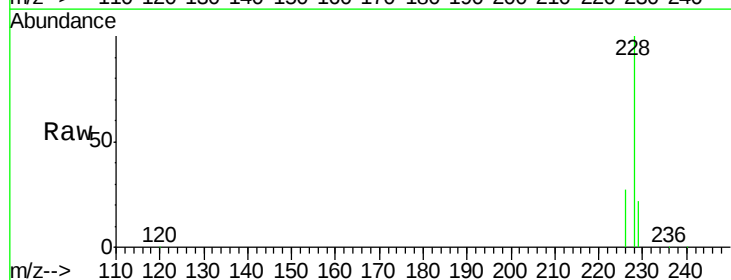
Tgt Ion:228 Resp: 51866

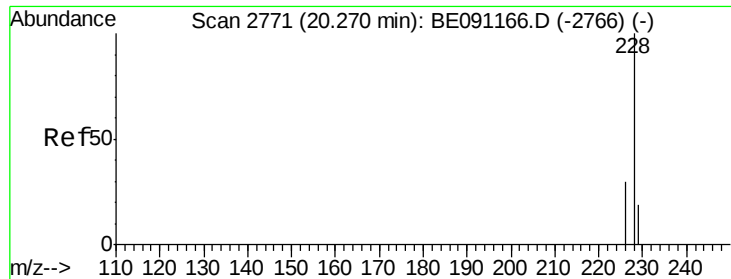
Ion Ratio Lower Upper

228 100

226 26.7 23.0 34.4

229 21.5 15.2 22.8





#21

Chrysene

Concen: 0.31 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

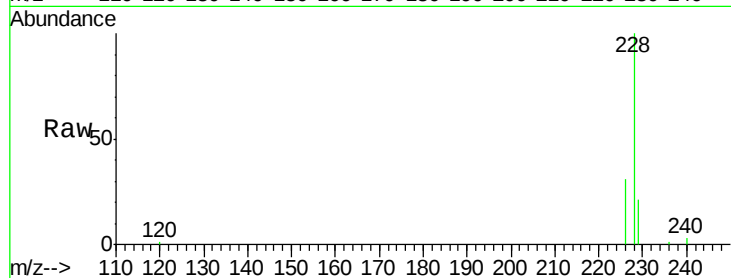
Tgt Ion:228 Resp: 51156

Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

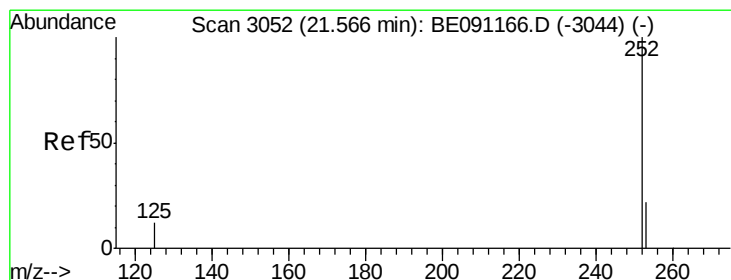
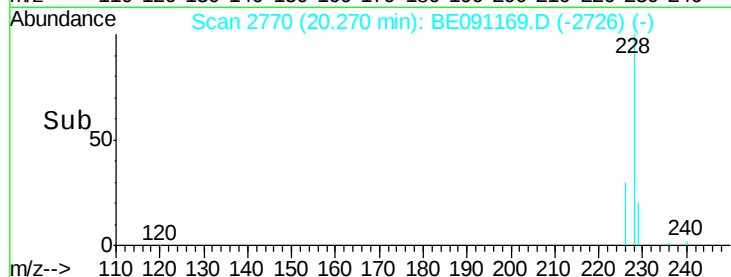
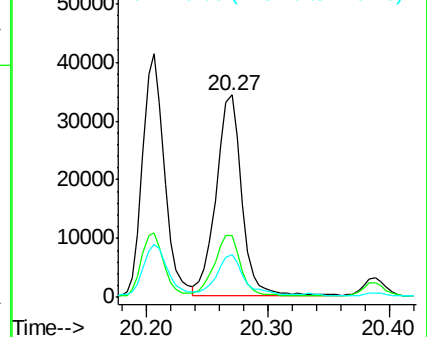
229 20.9 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.22 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

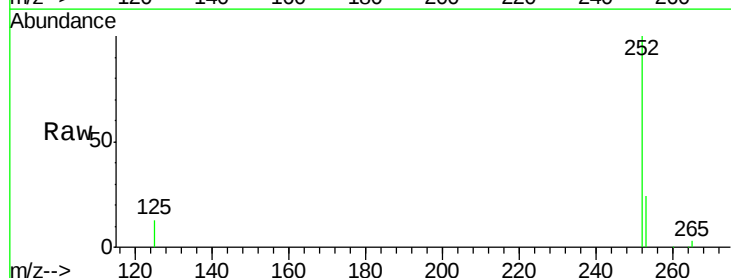
Tgt Ion:252 Resp: 34971

Ion Ratio Lower Upper

252 100

253 23.9 0.0 48.0

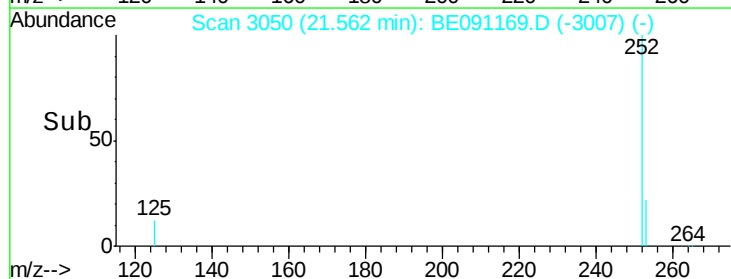
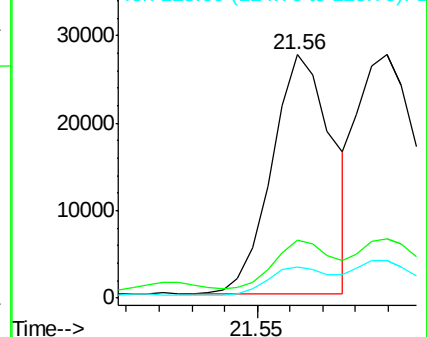
125 12.8 0.0 36.6

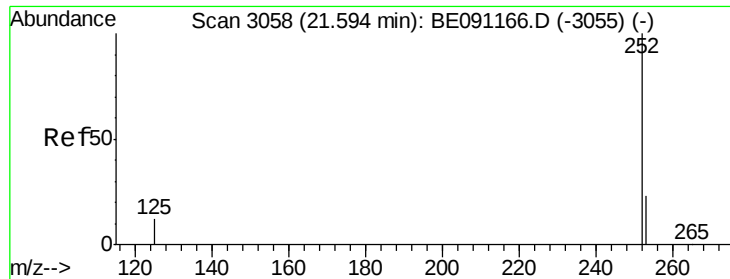


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.23 ng/ul

RT: 21.59 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

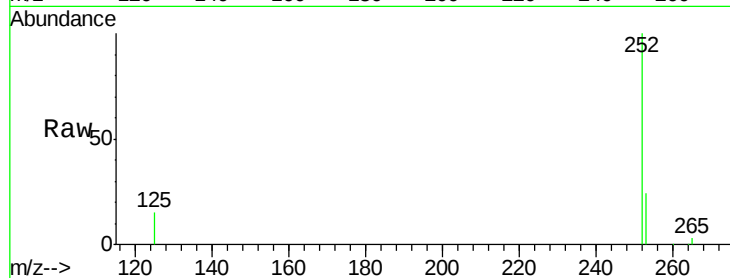
Tgt Ion:252 Resp: 37686

Ion Ratio Lower Upper

252 100

253 24.4 20.8 31.2

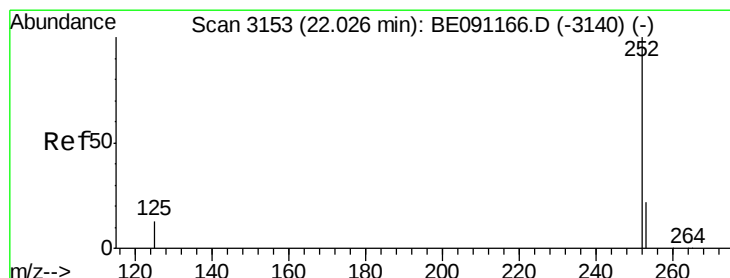
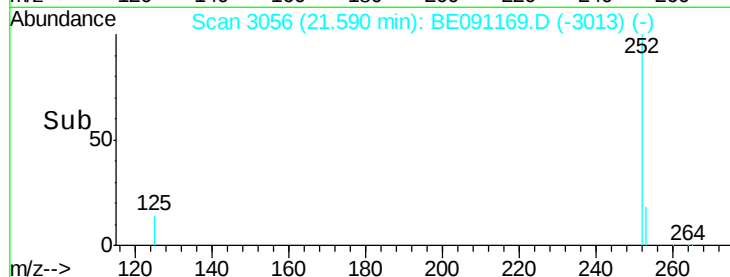
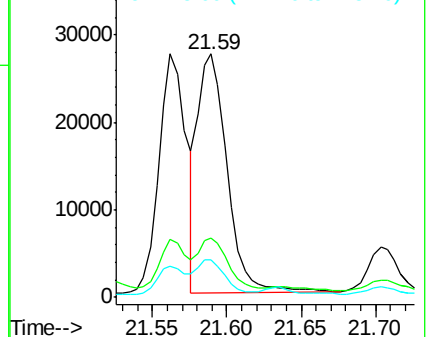
125 15.2 12.2 18.4



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: 0.29 ng/ul

RT: 22.02 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

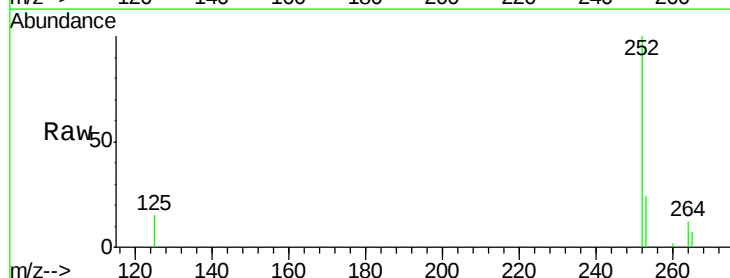
Tgt Ion:252 Resp: 41694

Ion Ratio Lower Upper

252 100

253 24.4 21.8 32.8

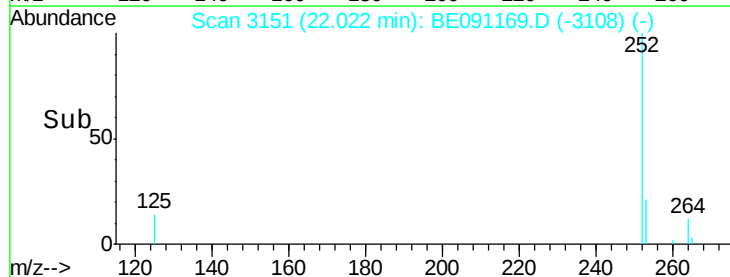
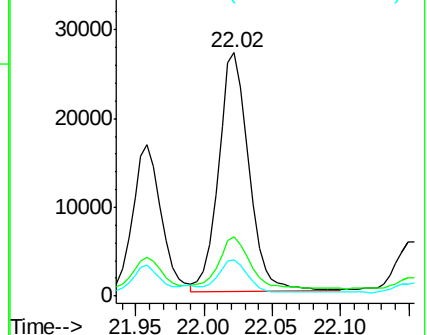
125 14.7 14.5 21.7

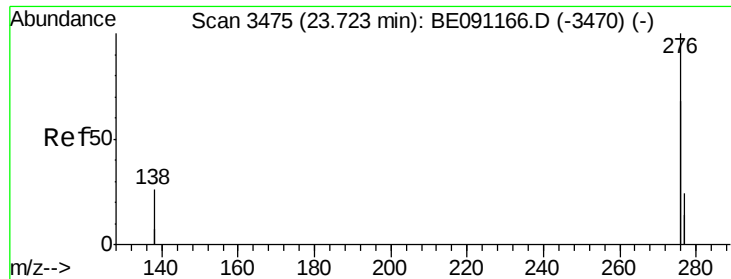


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.14 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

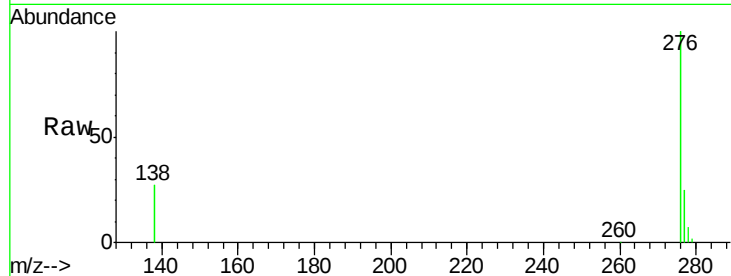
Tgt Ion:276 Resp: 87877

Ion Ratio Lower Upper

276 100

138 24.6 27.5 41.3#

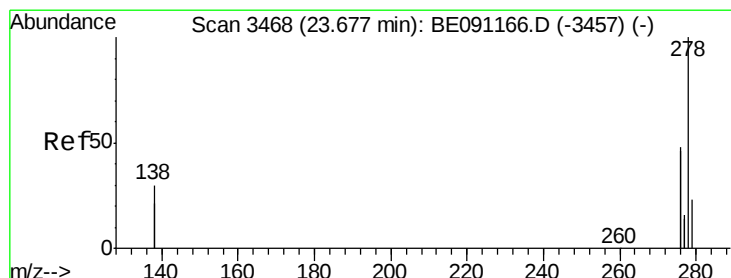
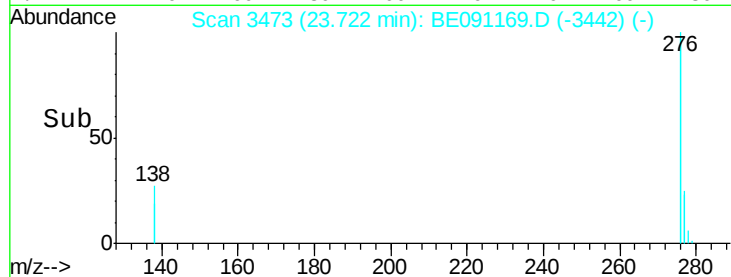
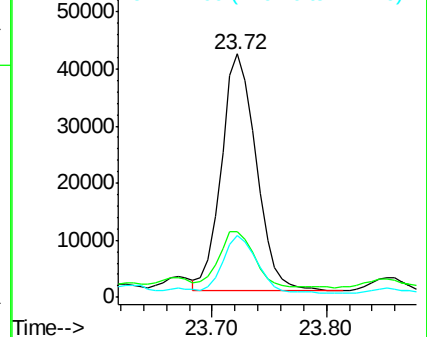
277 24.2 19.3 28.9



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: 0.05 ng/ul

RT: 23.67 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

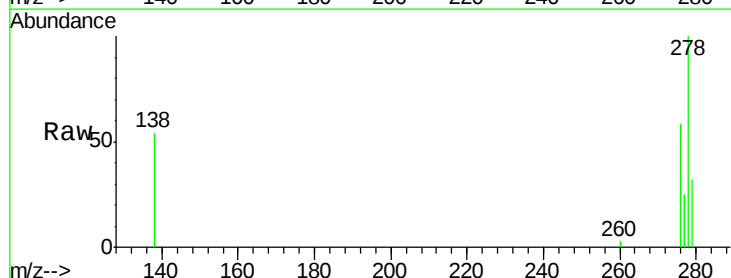
Tgt Ion:278 Resp: 7913

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

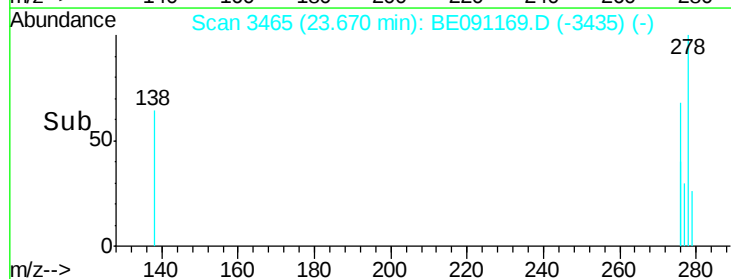
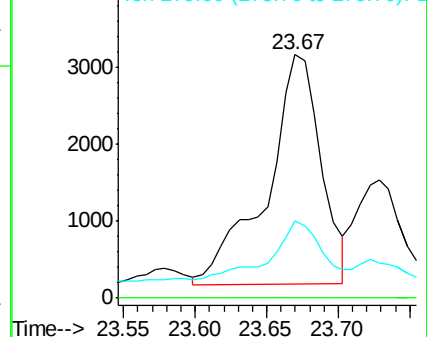
279 31.6 21.9 32.9

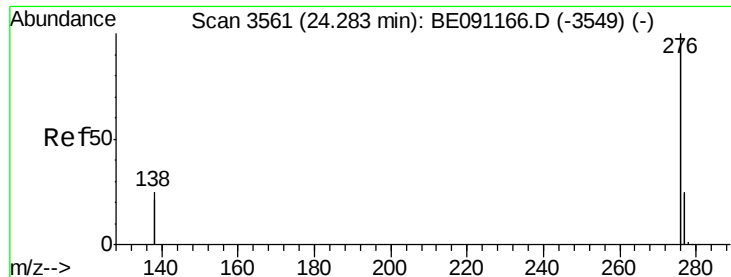


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.12 ng/ul

RT: 24.28 min Scan# 3558

Delta R.T. -0.01 min

Lab File: BE091169.D

Acq: 15 Nov 2015 12:50

Instrument :

BNA_E

ClientSampleId :

A4HS0DL

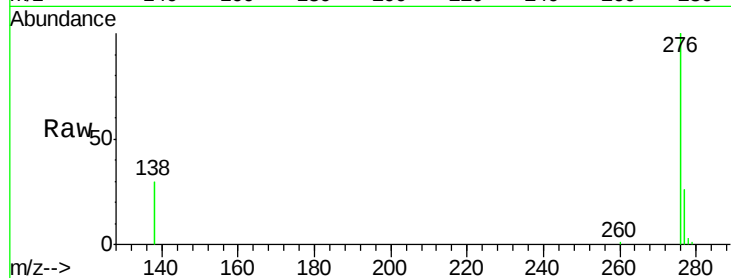
Tgt Ion: 276 Resp: 76994

Ion Ratio Lower Upper

276 100

277 25.7 21.3 31.9

138 30.3 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

