

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111515\
 Data File : BE091167.D
 Acq On : 15 Nov 2015 11:39
 Operator : UM/NP
 Sample : G4322-06DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR7DL

Quant Time: Nov 16 04:55:30 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

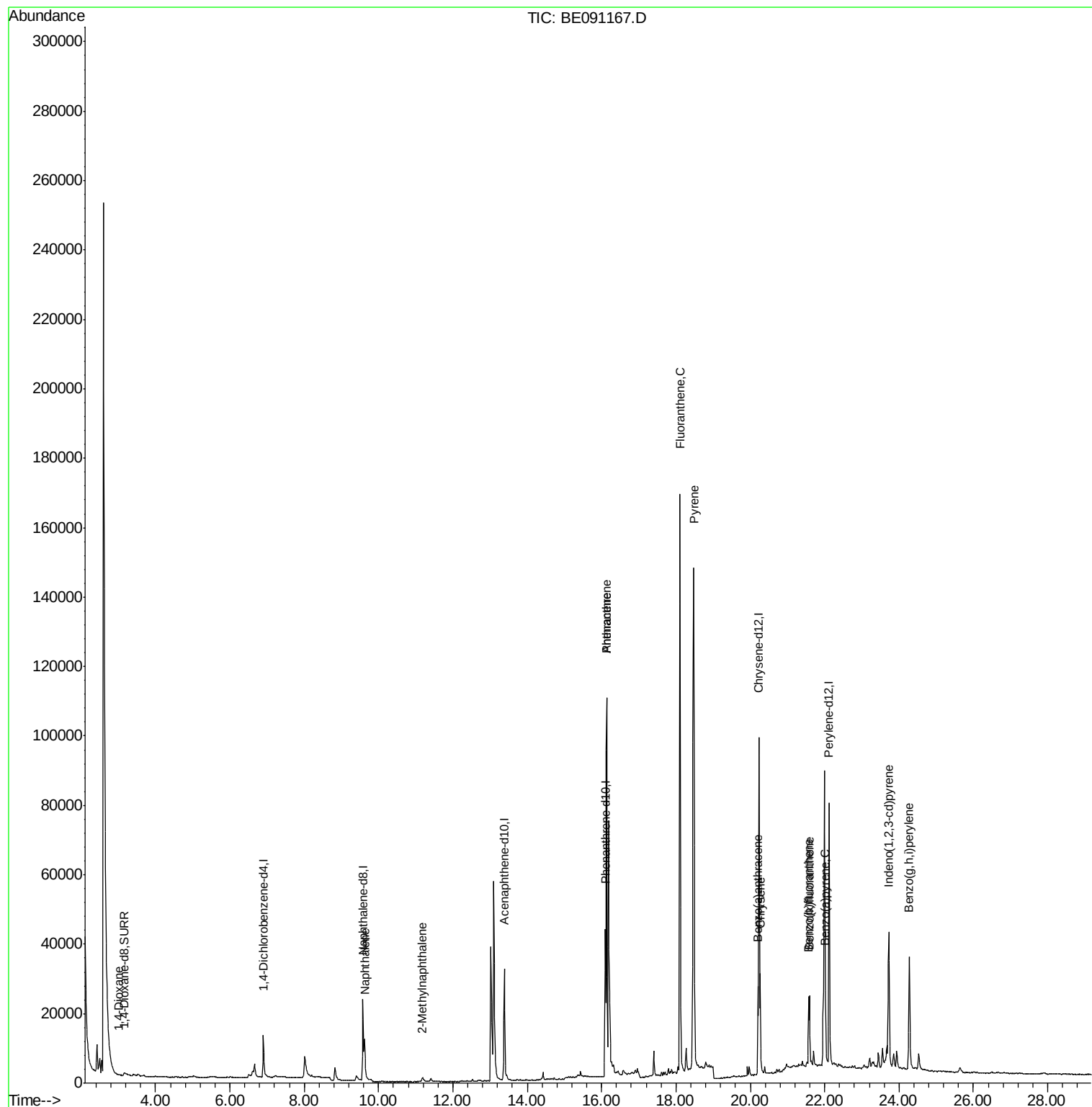
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	7208	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.58	136	35242	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.39	164	20577	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	52022	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	87258	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	83034	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	1711	0.33	ng/uL	0.07
6) 2-Methylnaphthalene-d10	11.11	152	451	0.01	ng/ul	0.02
16) Fluoranthene-d10	18.08	212	1173	0.01	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.02	88	476	0.08	ng/ul#	32
5) Naphthalene	9.62	128	17414	0.20	ng/ul	98
7) 2-Methylnaphthalene	11.18	142	1754	0.03	ng/ul	96
14) Phenanthrene	16.14	178	134980	0.22	ng/ul	96
15) Anthracene	16.14	178	134479	0.25	ng/ul	98
17) Fluoranthene	18.11	202	180148	0.26	ng/ul	87
19) Pyrene	18.49	202	152972	0.15	ng/ul#	78
20) Benzo(a)anthracene	20.21	228	21419	0.10	ng/ul#	94
21) Chrysene	20.27	228	26610	0.10	ng/ul#	96
23) Benzo(b)fluoranthene	21.57	252	18334	0.07	ng/ul	92
24) Benzo(k)fluoranthene	21.59	252	21410	0.08	ng/ul#	88
25) Benzo(a)pyrene	22.02	252	20372	0.09	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	23.73	276	54128	0.05	ng/ul#	91
28) Benzo(g,h,i)perylene	24.28	276	51548	0.05	ng/ul	96

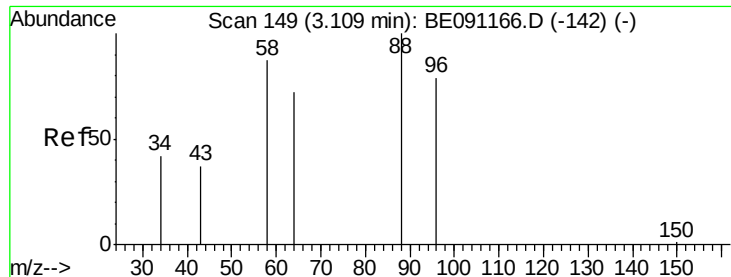
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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QLast Update : Mon Nov 16 04:54:02 2015
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#3

1,4-Dioxane

Concen: 0.08 ng/ul

RT: 3.02 min Scan# 136

Delta R.T. -0.09 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

A4HR7DL

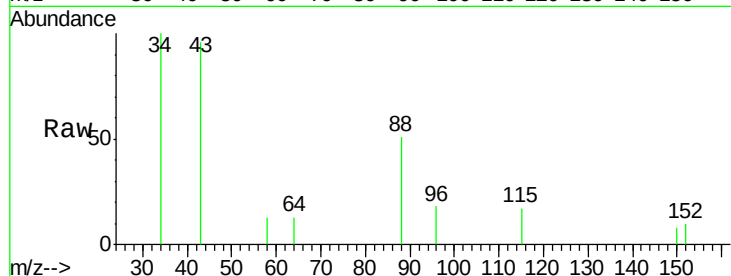
Tgt Ion: 88 Resp: 476

Ion Ratio Lower Upper

88 100

58 9.5 55.4 83.2#

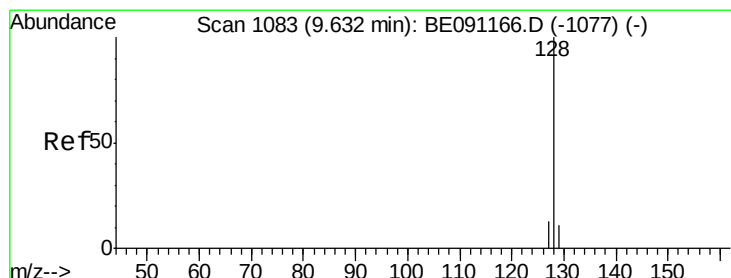
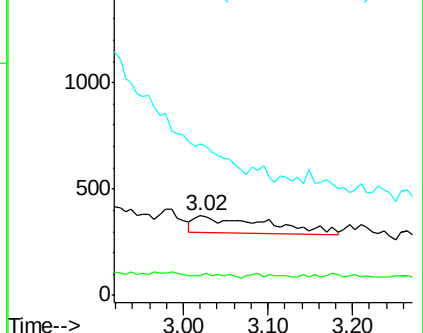
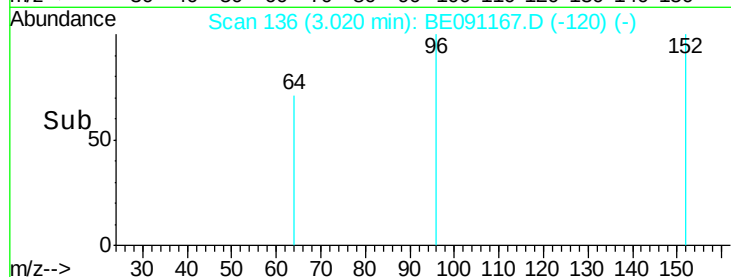
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091167.D (-120) (-)

Ion 58.00 (57.70 to 58.70): BE091167.D (-120) (-)

Ion 43.00 (42.70 to 43.70): BE091167.D (-120) (-)



#5

Naphthalene

Concen: 0.20 ng/ul

RT: 9.62 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

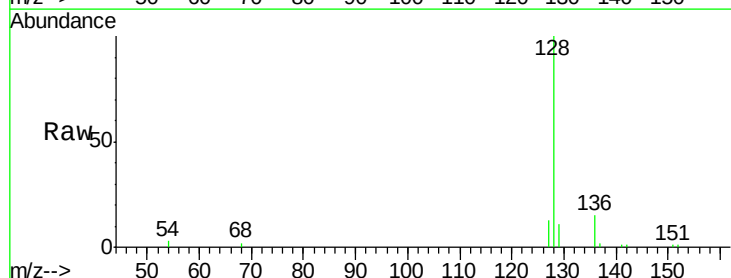
Tgt Ion: 128 Resp: 17414

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.8

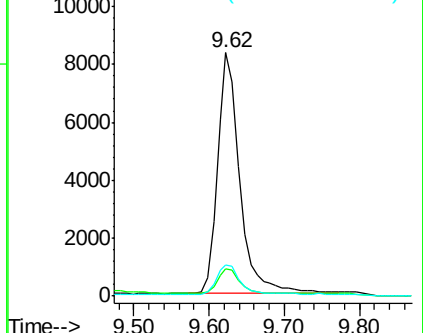
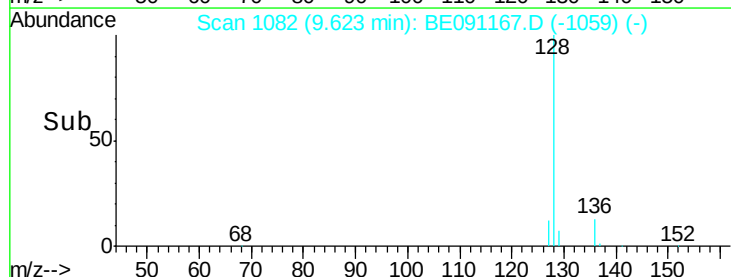
127 13.0 10.7 16.1

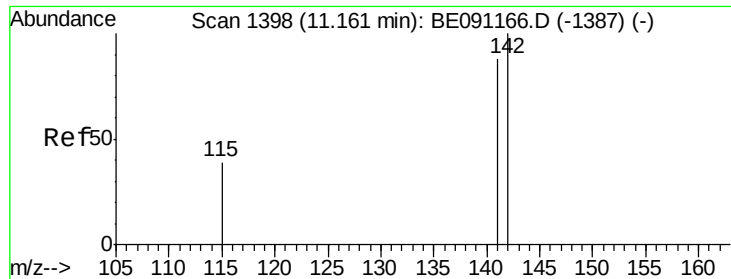


Abundance Ion 128.00 (127.70 to 128.70): BE091167.D (-1059) (-)

Ion 129.00 (128.70 to 129.70): BE091167.D (-1059) (-)

Ion 127.00 (126.70 to 127.70): BE091167.D (-1059) (-)





#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 11.18 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

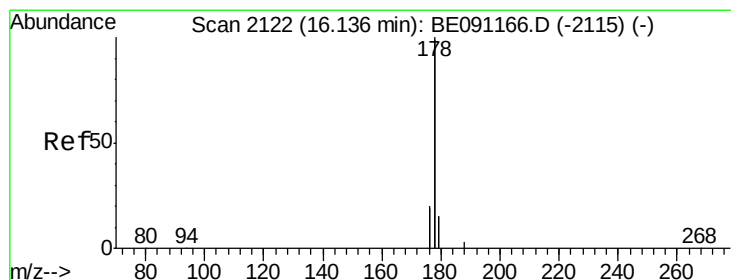
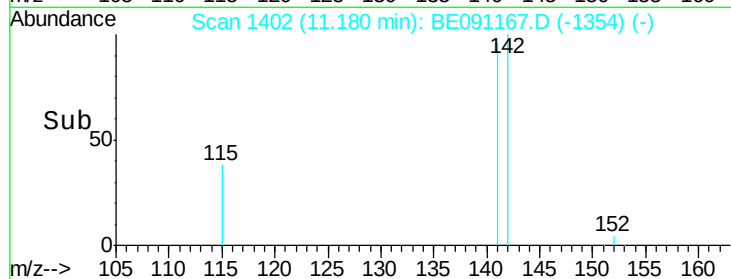
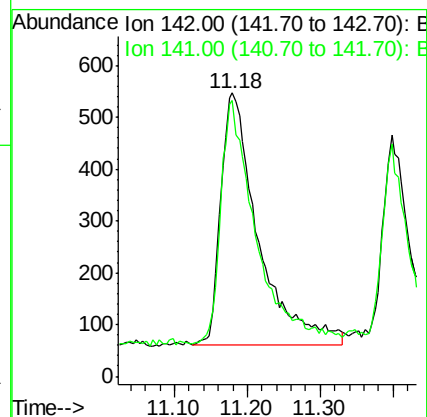
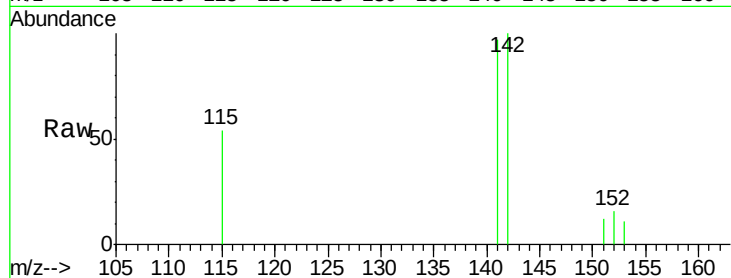
A4HR7DL

Tgt Ion:142 Resp: 1754

Ion Ratio Lower Upper

142 100

141 91.4 70.3 105.5



#14

Phenanthrene

Concen: 0.22 ng/ul

RT: 16.14 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

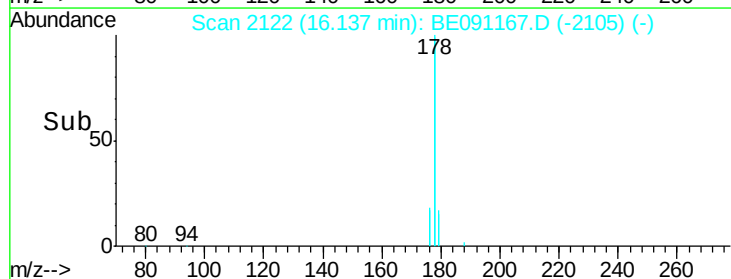
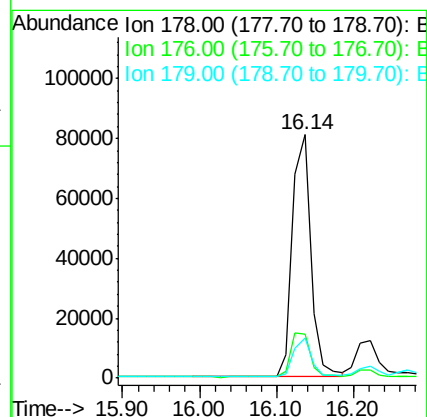
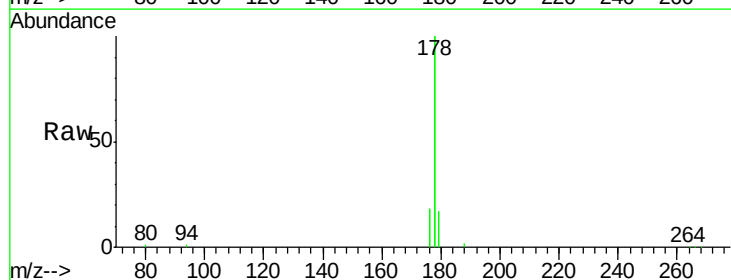
Tgt Ion:178 Resp: 134980

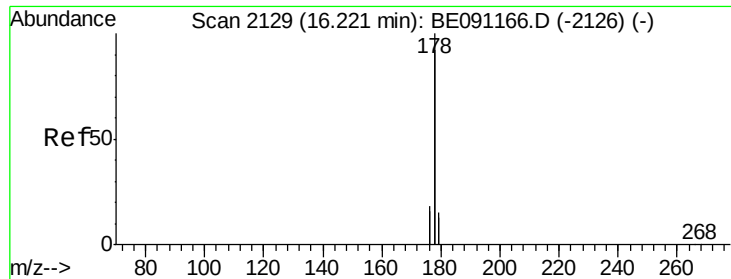
Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

179 16.5 12.8 19.2

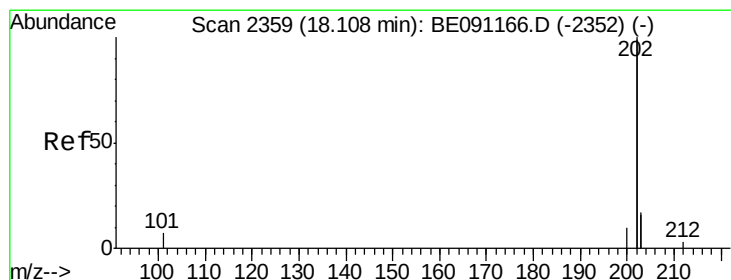
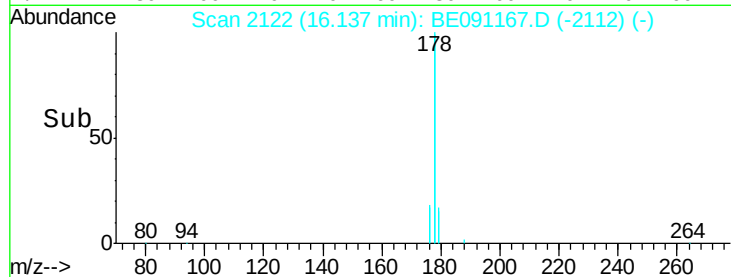
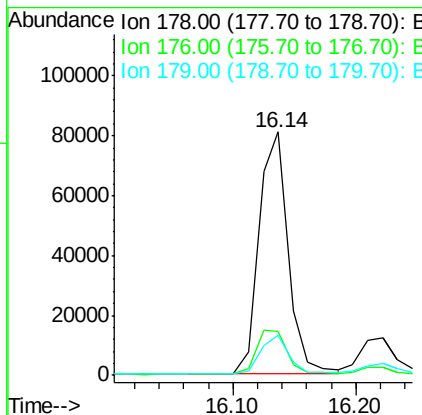
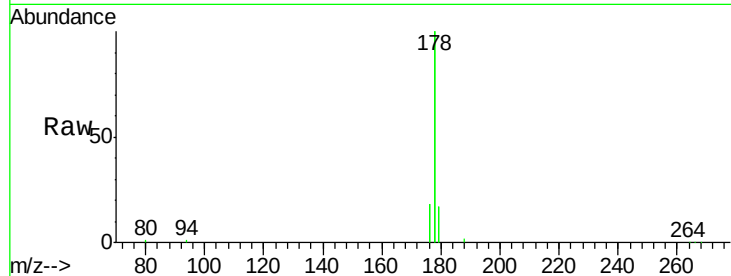




#15
 Anthracene
 Concen: 0.25 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. -0.08 min
 Lab File: BE091167.D
 Acq: 15 Nov 2015 11:39

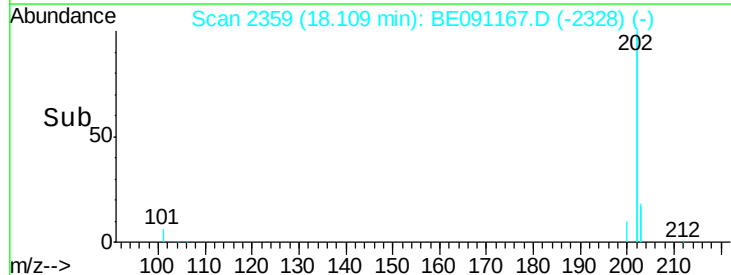
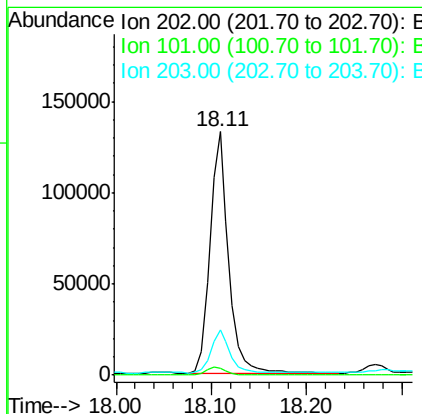
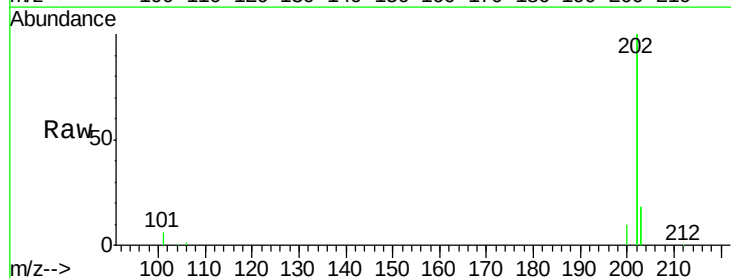
Instrument :
 BNA_E
 ClientSampleId :
 A4HR7DL

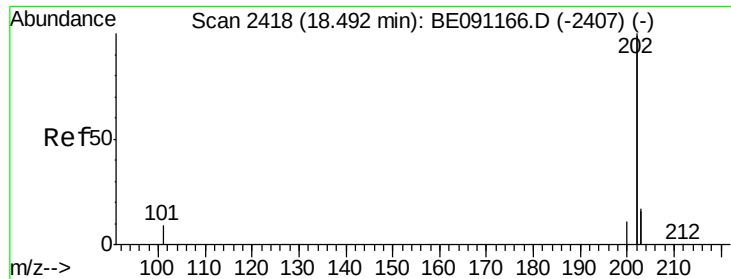
Tgt Ion:178 Resp: 134479
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.8 23.8
 179 16.5 13.3 19.9



#17
 Fluoranthene
 Concen: 0.26 ng/ul
 RT: 18.11 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: BE091167.D
 Acq: 15 Nov 2015 11:39

Tgt Ion:202 Resp: 180148
 Ion Ratio Lower Upper
 202 100
 101 3.0 0.0 33.1
 203 18.4 0.0 37.2





#19

Pyrene

Concen: 0.15 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

A4HR7DL

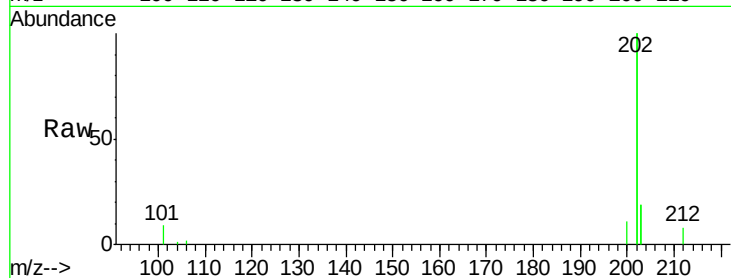
Tgt Ion:202 Resp: 152972

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

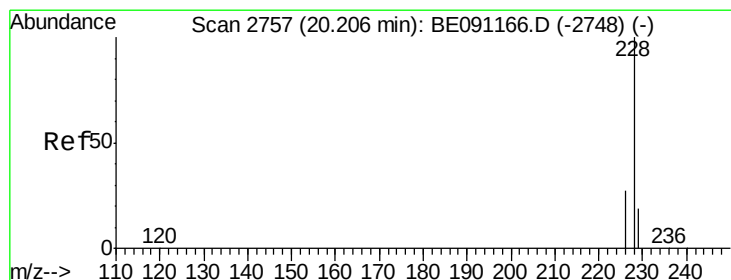
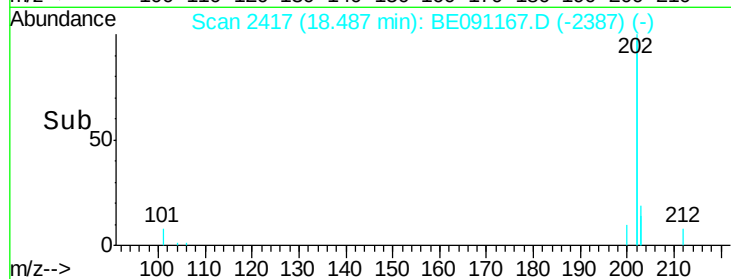
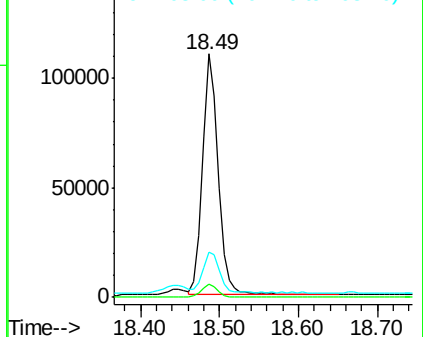
203 18.6 13.8 20.6



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: 0.10 ng/ul

RT: 20.21 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

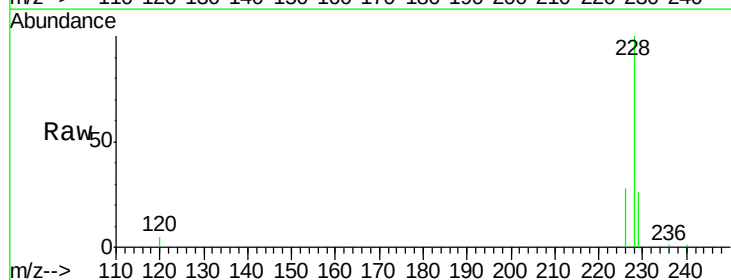
Tgt Ion:228 Resp: 21419

Ion Ratio Lower Upper

228 100

226 28.5 23.0 34.4

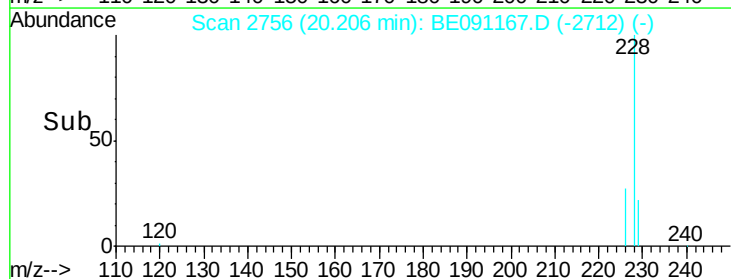
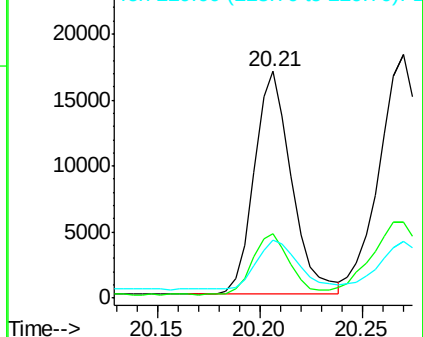
229 25.8 15.2 22.8#

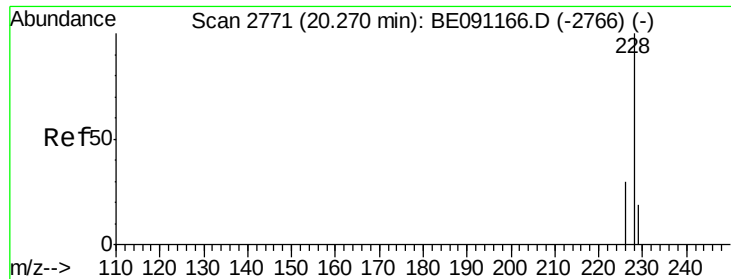


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.10 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

Instrument :

BNA_E

ClientSampleId :

A4HR7DL

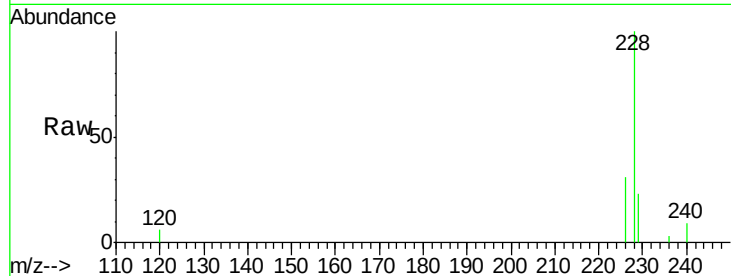
Tgt Ion:228 Resp: 26610

Ion Ratio Lower Upper

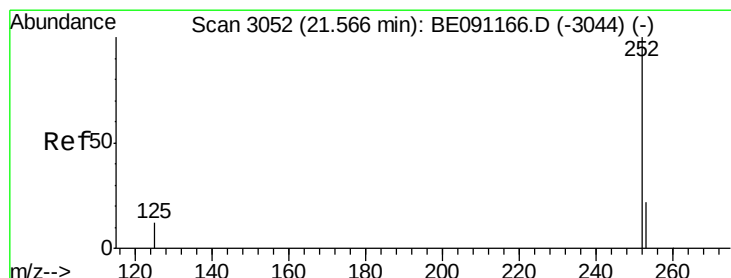
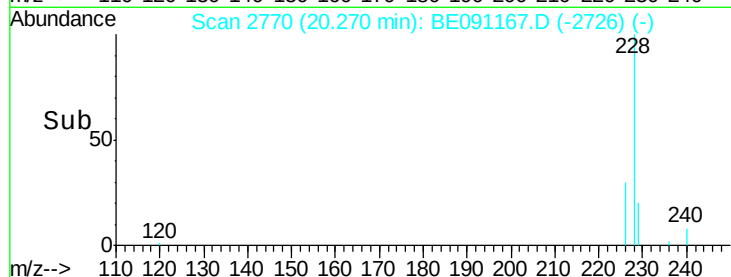
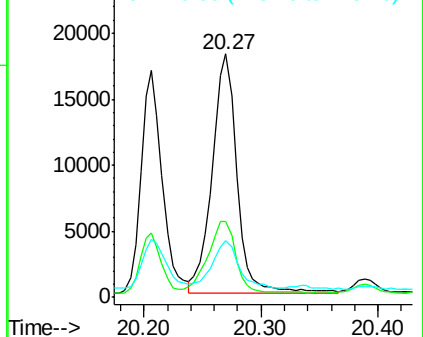
228 100

226 31.3 25.7 38.5

229 23.2 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: 0.07 ng/ul

RT: 21.57 min Scan# 3051

Delta R.T. 0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

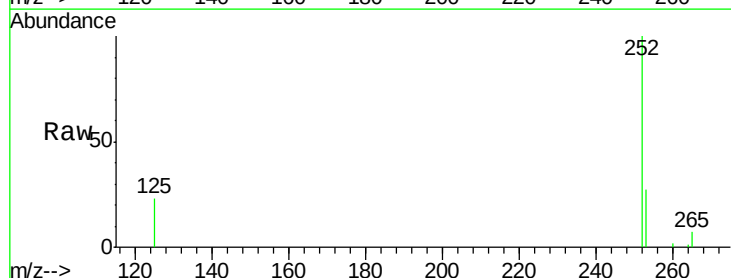
Tgt Ion:252 Resp: 18334

Ion Ratio Lower Upper

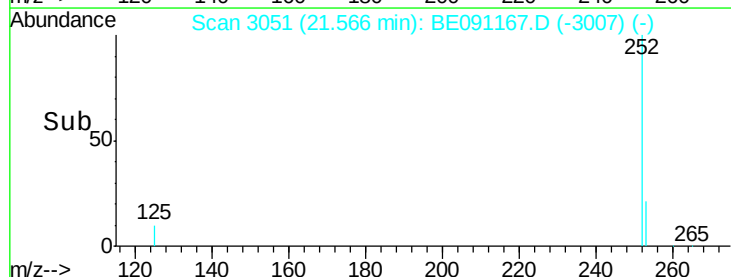
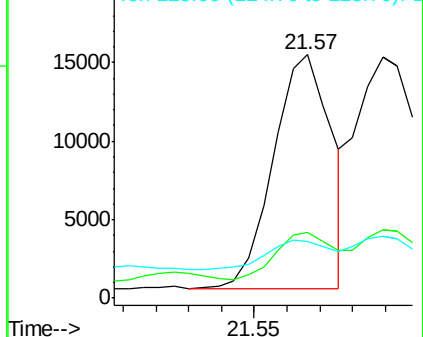
252 100

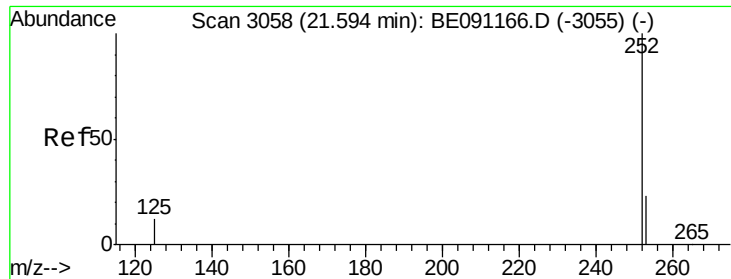
253 26.9 0.0 48.0

125 23.2 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: 0.08 ng/ul

RT: 21.59 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

Instrument :

BNA_E

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A4HR7DL

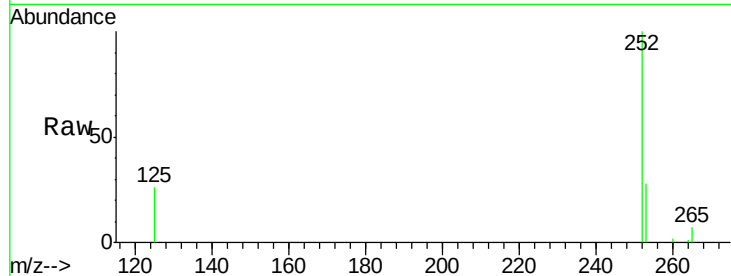
Tgt Ion:252 Resp: 21410

Ion Ratio Lower Upper

252 100

253 28.2 20.8 31.2

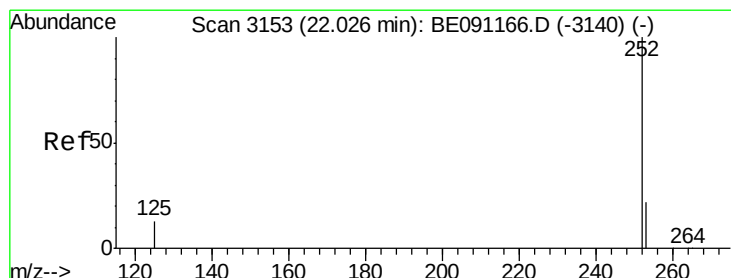
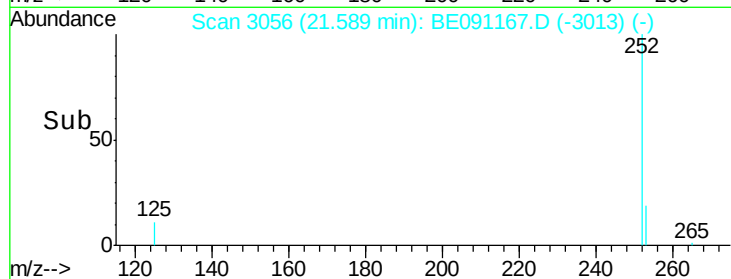
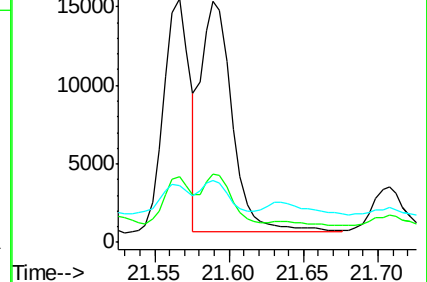
125 25.8 12.2 18.4#



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: 0.09 ng/ul

RT: 22.02 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE091167.D

Acq: 15 Nov 2015 11:39

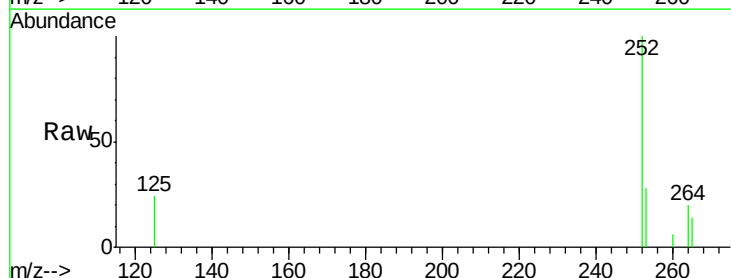
Tgt Ion:252 Resp: 20372

Ion Ratio Lower Upper

252 100

253 28.5 21.8 32.8

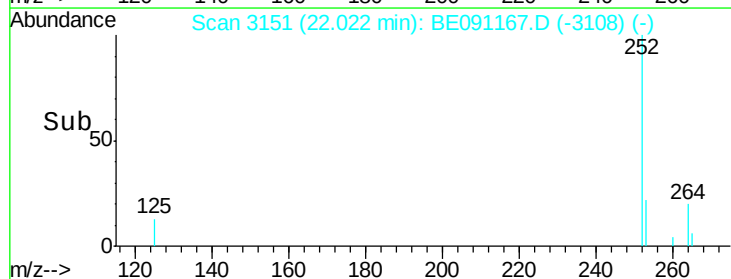
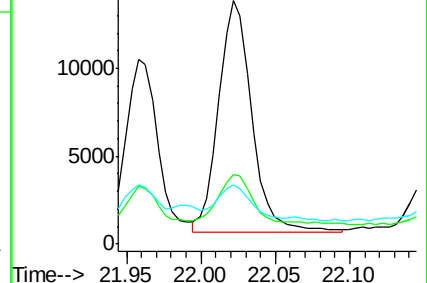
125 24.2 14.5 21.7#

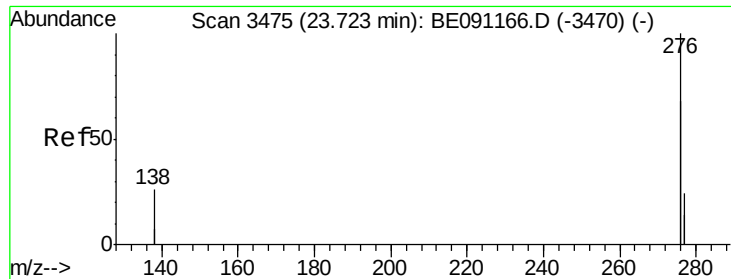


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

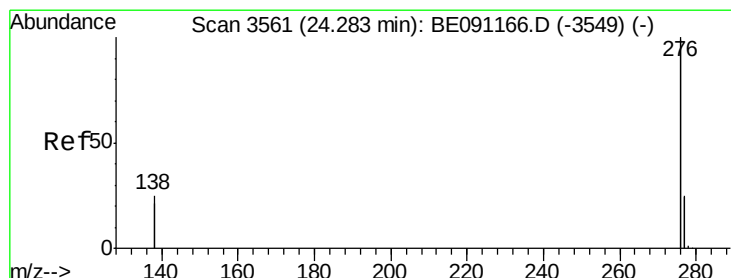
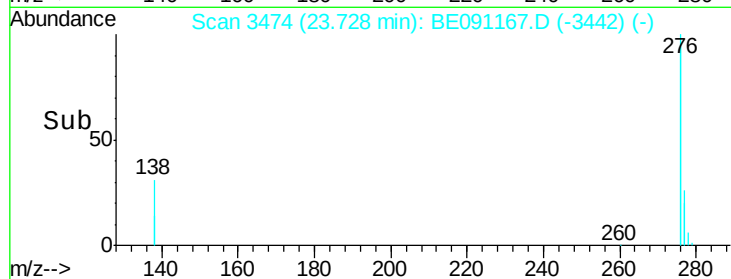
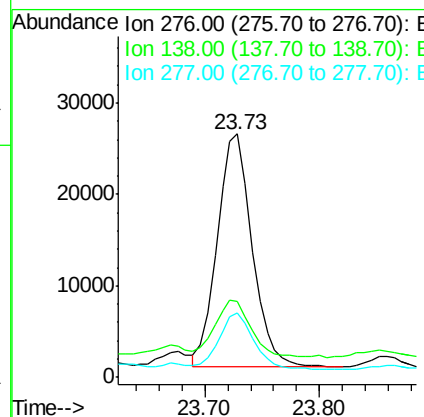
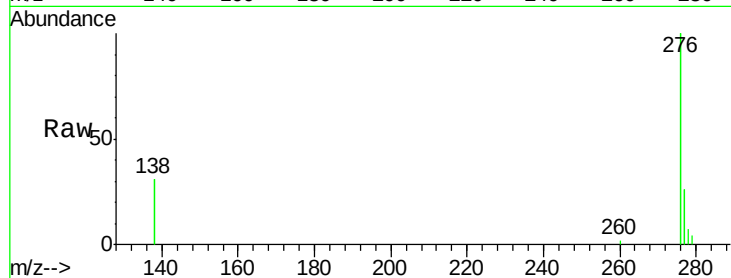




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng/ul
 RT: 23.73 min Scan# 3474
 Delta R.T. 0.01 min
 Lab File: BE091167.D
 Acq: 15 Nov 2015 11:39

Instrument :
 BNA_E
 ClientSampleId :
 A4HR7DL

Tgt Ion:276 Resp: 54128
 Ion Ratio Lower Upper
 276 100
 138 25.5 27.5 41.3#
 277 23.8 19.3 28.9



#28
 Benzo(g,h,i)perylene
 Concen: 0.05 ng/ul
 RT: 24.28 min Scan# 3558
 Delta R.T. -0.01 min
 Lab File: BE091167.D
 Acq: 15 Nov 2015 11:39

Tgt Ion:276 Resp: 51548
 Ion Ratio Lower Upper
 276 100
 277 26.0 21.3 31.9
 138 35.3 25.5 38.3

