

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091077.D
 Acq On : 5 Nov 2015 22:06
 Operator : UM/NP
 Sample : G4273-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP9

Quant Time: Nov 06 06:43:13 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 : Fri Nov 06 06:42:14 2015
 Response via : Initial Calibration

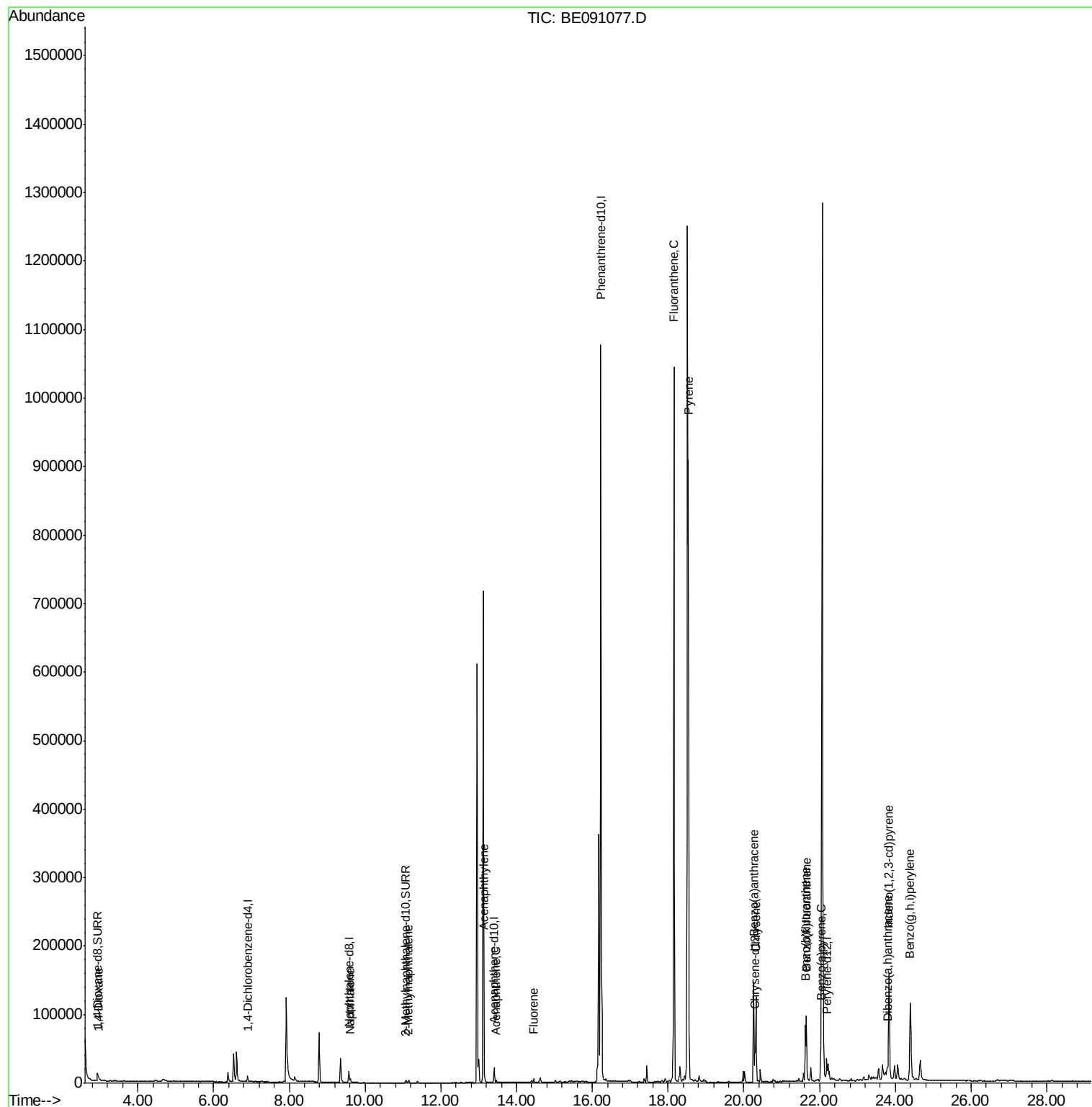
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3671	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	20248	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	12082	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	1094225	0.40	ng/ul	0.09
18) Chrysene-d12	20.29	240	31919	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	39302	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	12975	4.91	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.08	152	4948	0.18	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	14486	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.96	88	125	0.04	ng/ul#	24
5) Naphthalene	9.62	128	6392	0.13	ng/ul	98
7) 2-Methylnaphthalene	11.14	142	2939	0.09	ng/ul	97
9) Acenaphthylene	13.15	152	5147	0.09	ng/ul	97
10) Acenaphthene	13.46	153	1948	0.05	ng/ul	92
11) Fluorene	14.45	166	3598	0.07	ng/ul#	90
17) Fluoranthene	18.15	202	1050931	0.07	ng/ul	89
19) Pyrene	18.54	202	869023	2.40	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	117659	1.44	ng/ul	95
21) Chrysene	20.32	228	112755	1.19	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	80027	0.65	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	90643	0.72	ng/ul	96
25) Benzo(a)pyrene	22.03	252	54613	0.48	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	220110	0.46	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	13790	0.12	ng/ul#	71
28) Benzo(a,h,i)perylene	24.40	276	179245	0.36	ng/ul	94

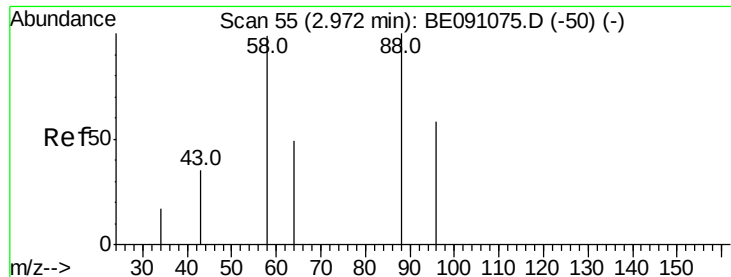
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampleId :

C0AP9

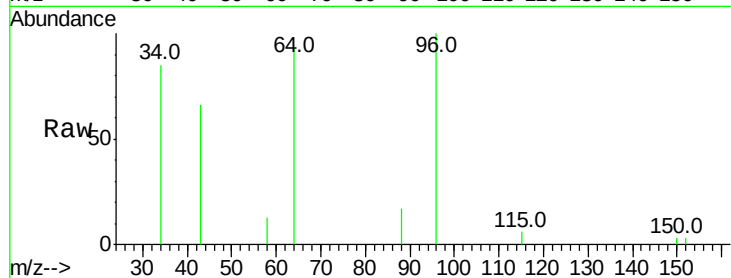
Tot Ion: 88 Resp: 125

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

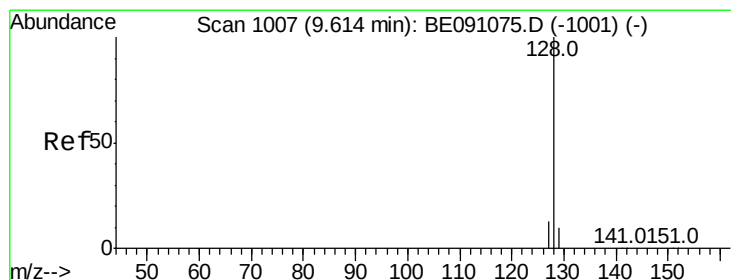
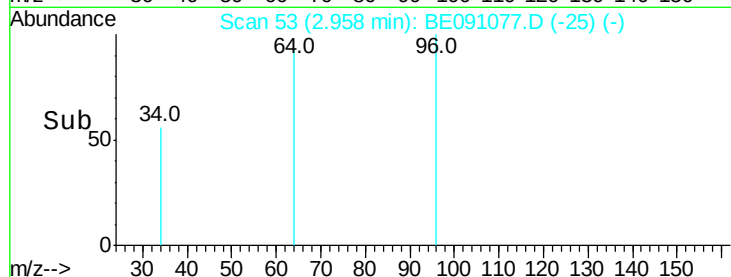
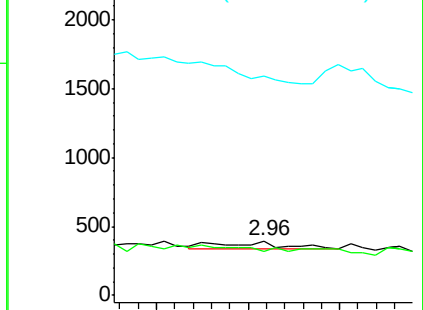
43 0.0 24.2 36.2#



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: 0.13 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

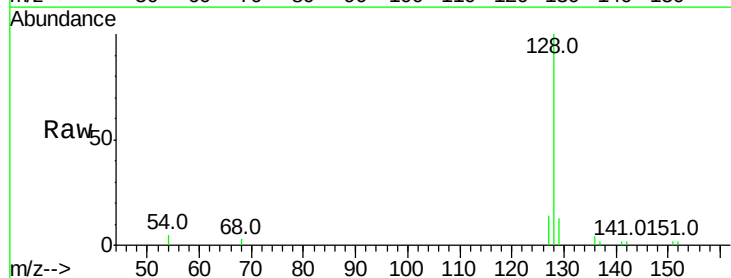
Tgt Ion: 128 Resp: 6392

Ion Ratio Lower Upper

128 100

129 13.0 9.8 14.8

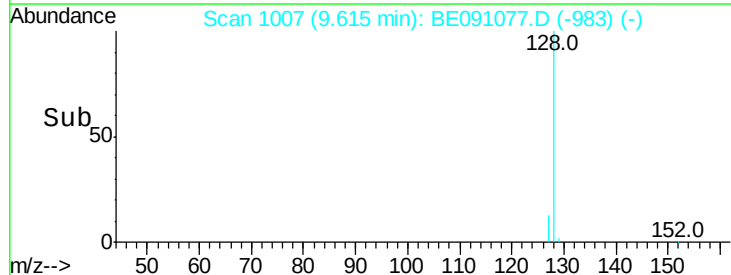
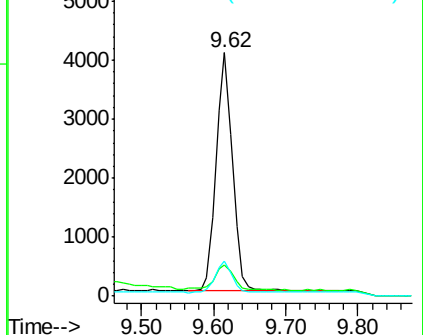
127 14.1 10.7 16.1

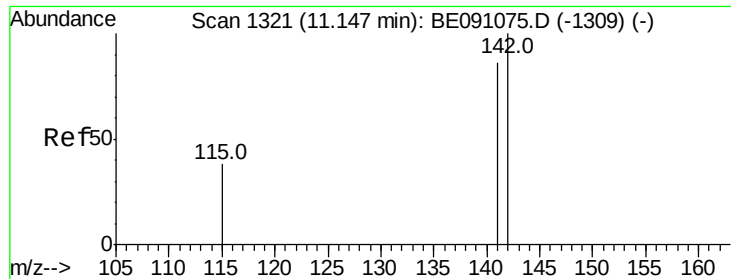


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampleId :

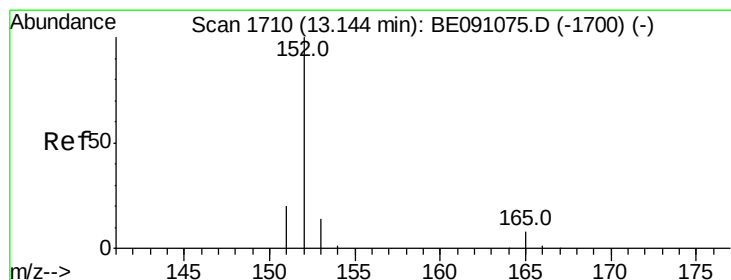
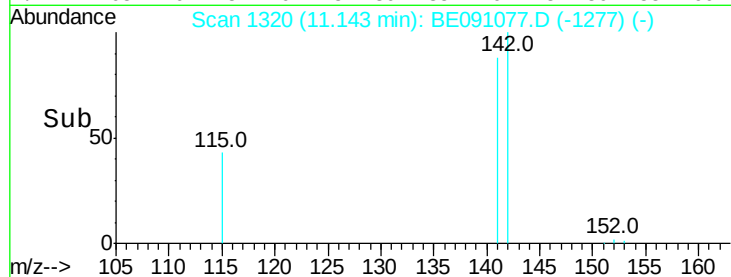
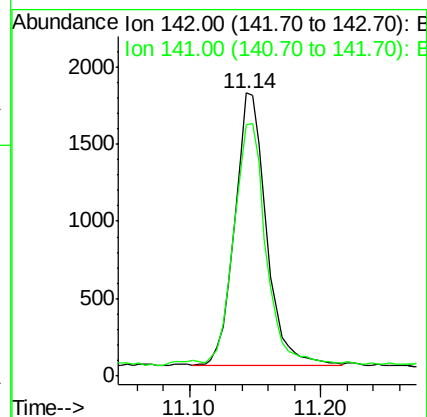
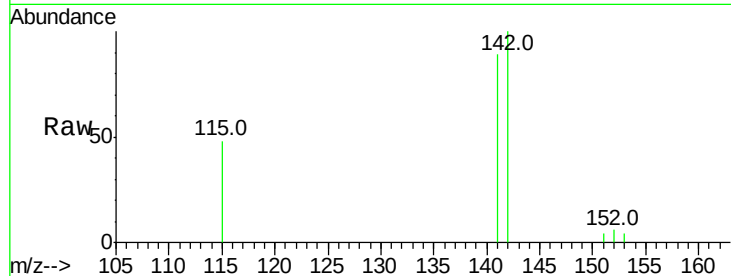
C0AP9

Tot Ion:142 Resp: 2939

Ion Ratio Lower Upper

142 100

141 90.9 70.3 105.5



#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

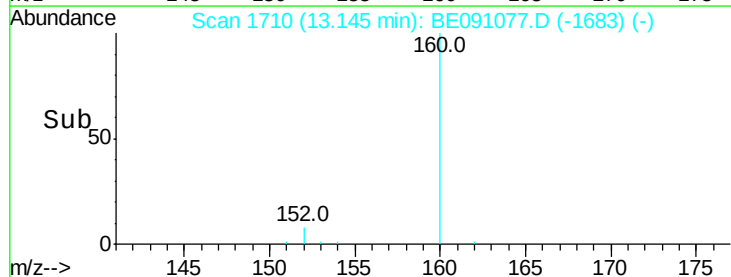
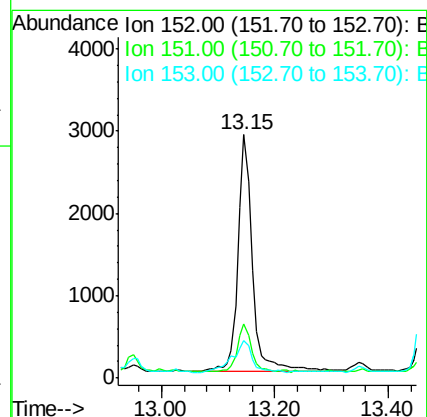
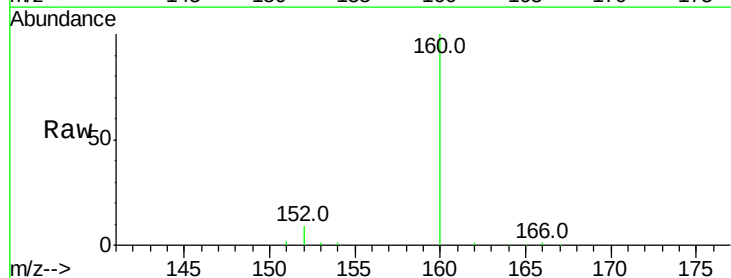
Tgt Ion:152 Resp: 5147

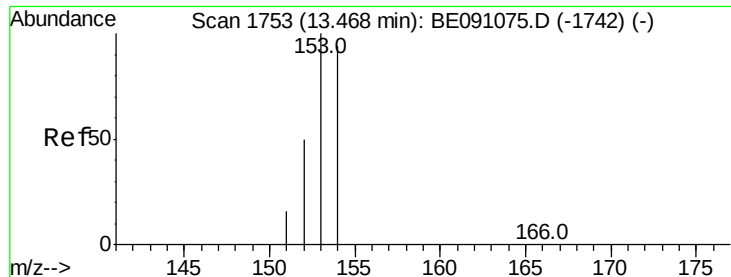
Ion Ratio Lower Upper

152 100

151 22.5 16.8 25.2

153 15.4 11.3 16.9





#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampleId :

C0AP9

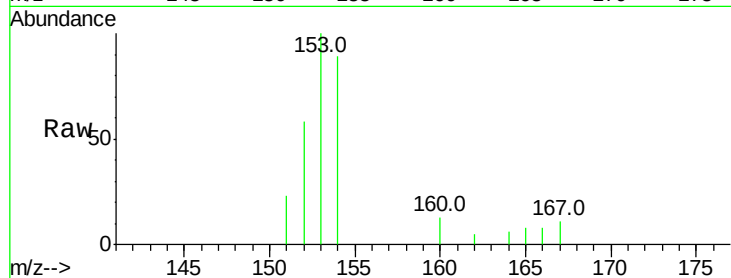
Tot Ion:153 Resp: 1948

Ion Ratio Lower Upper

153 100

152 58.1 42.3 63.5

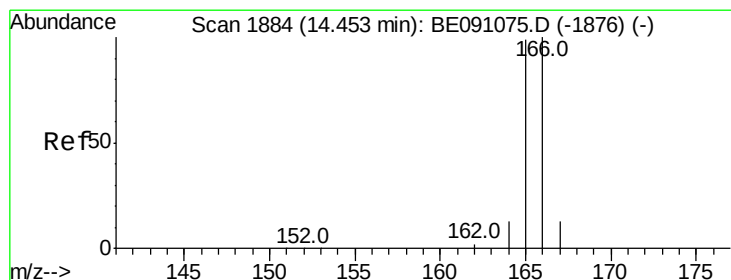
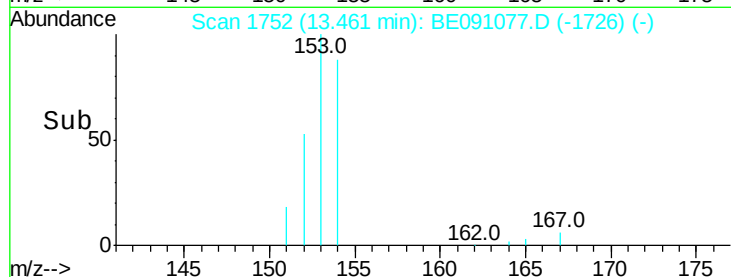
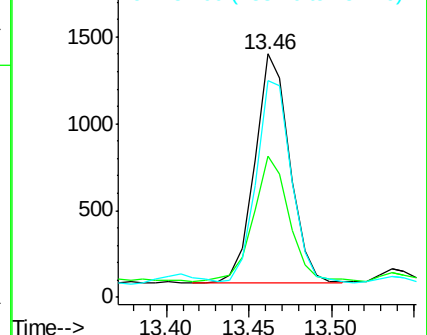
154 89.0 64.7 97.1



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: 0.07 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

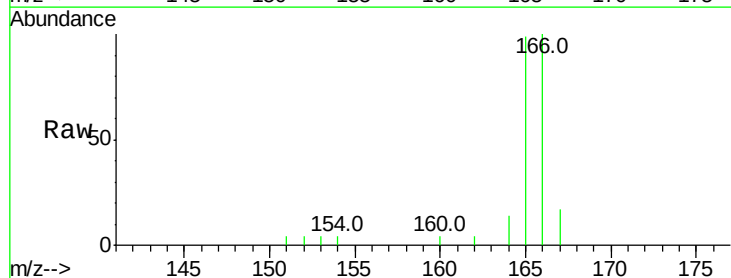
Tgt Ion:166 Resp: 3598

Ion Ratio Lower Upper

166 100

165 98.6 87.6 131.4

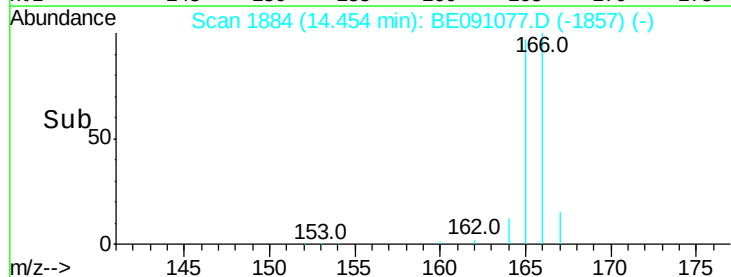
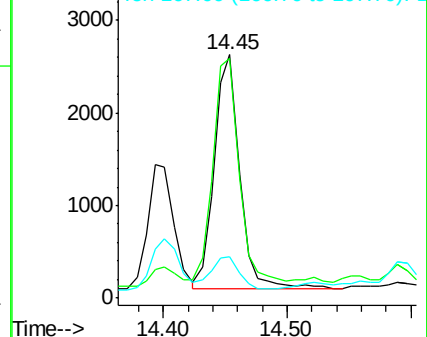
167 17.1 11.1 16.7#

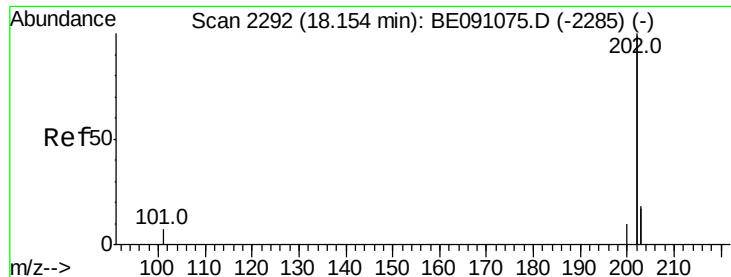


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

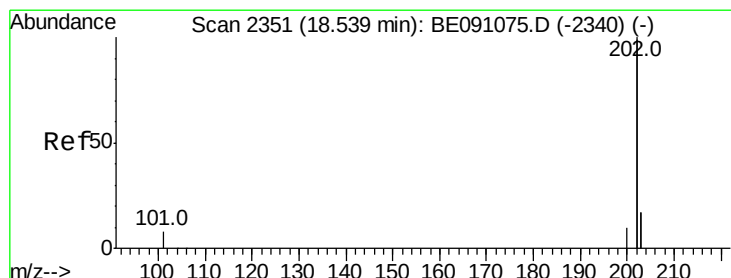
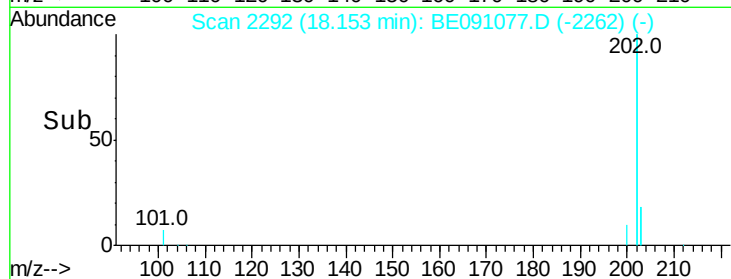
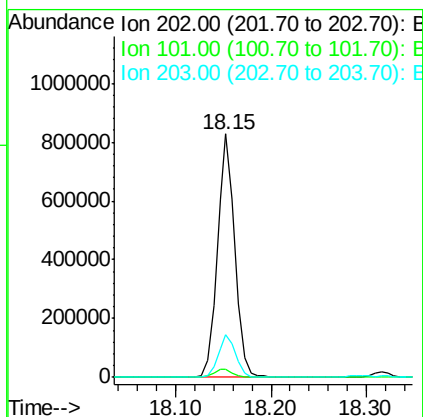
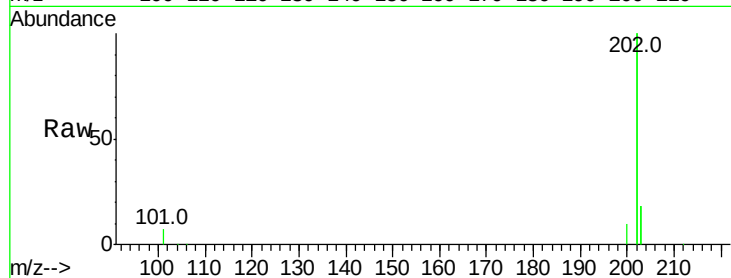




#17
Fluoranthene
Concen: 0.07 ng/ul
RT: 18.15 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BE091077.D
Acq: 5 Nov 2015 22:06

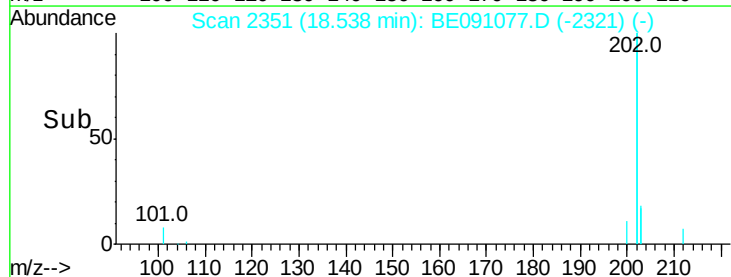
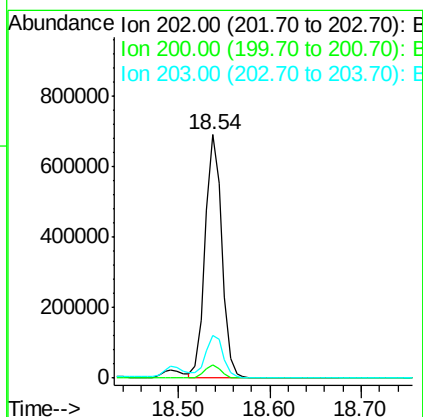
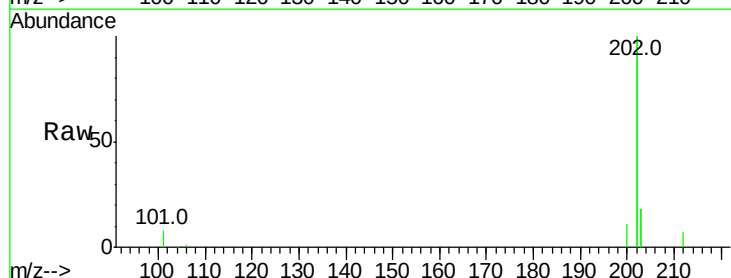
Instrument :
BNA_E
ClientSampleId :
C0AP9

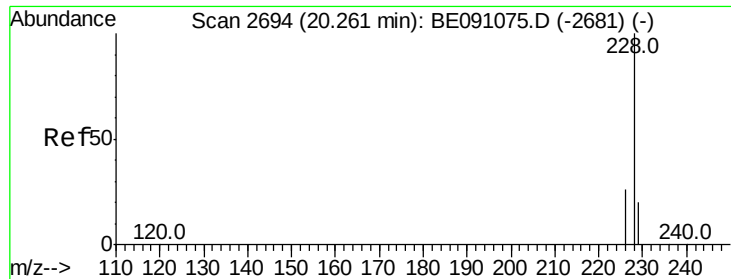
Tot Ion:202 Resp: 1050931
Ion Ratio Lower Upper
202 100
101 3.3 0.0 33.1
203 17.8 0.0 37.2



#19
Pyrene
Concen: 2.40 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BE091077.D
Acq: 5 Nov 2015 22:06

Tgt Ion:202 Resp: 869023
Ion Ratio Lower Upper
202 100
200 5.5 18.0 27.0#
203 17.7 13.8 20.6





#20

Benzo(a)anthracene

Concen: 1.44 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampled :

C0AP9

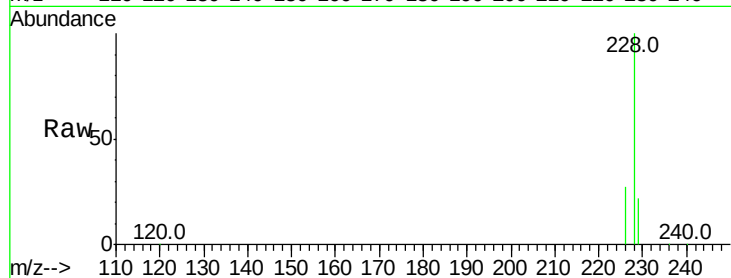
Tot Ion:228 Resp: 117659

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

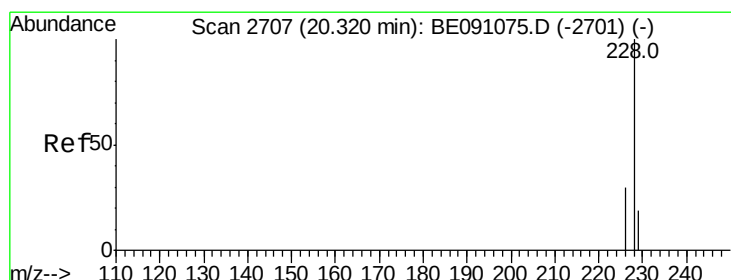
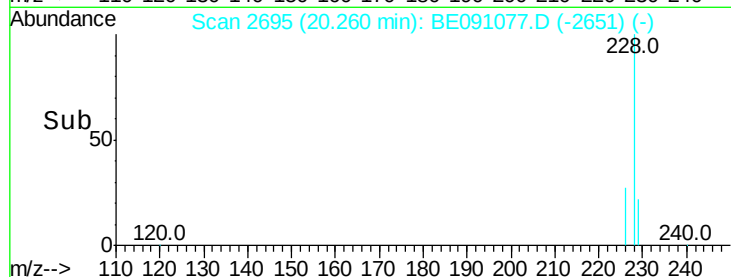
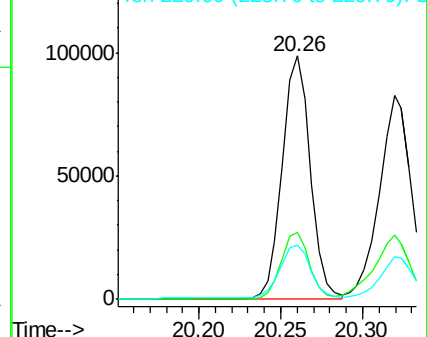
229 22.5 15.2 22.8



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



#21

Chrysene

Concen: 1.19 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. -0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

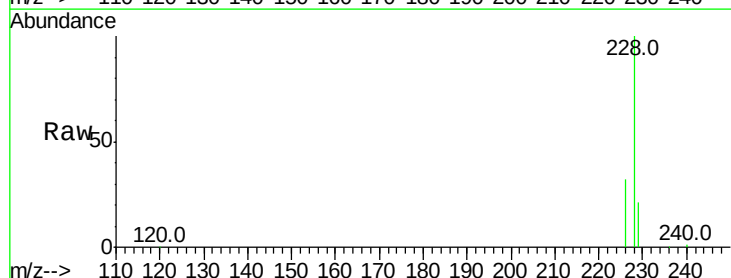
Tgt Ion:228 Resp: 112755

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

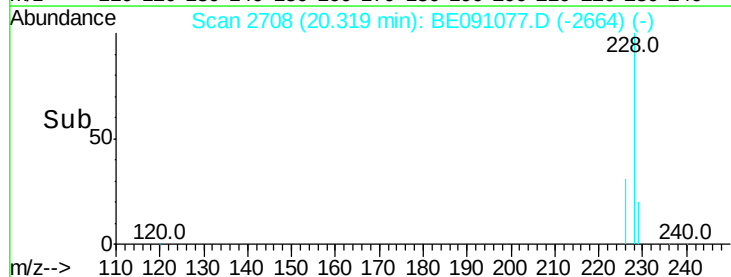
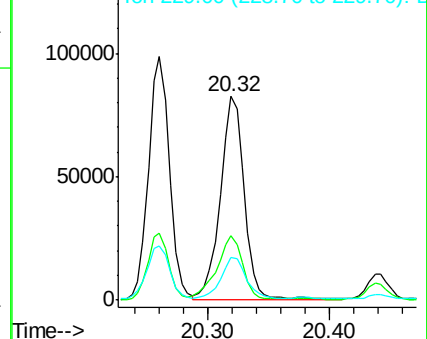
229 20.7 15.2 22.8

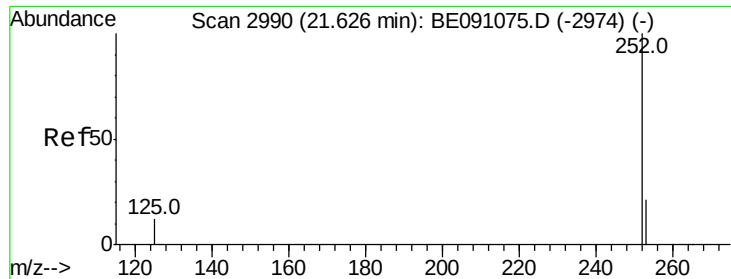


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.65 ng/ul

RT: 21.62 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampleId :

C0AP9

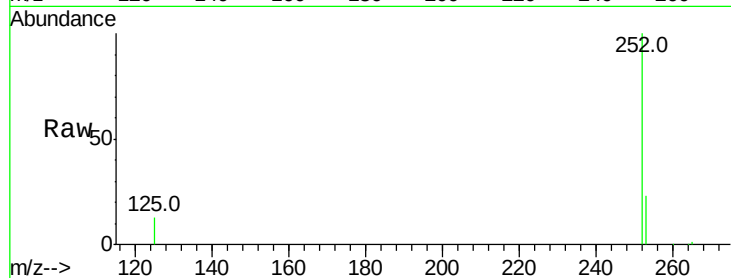
Tot Ion:252 Resp: 80027

Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.0

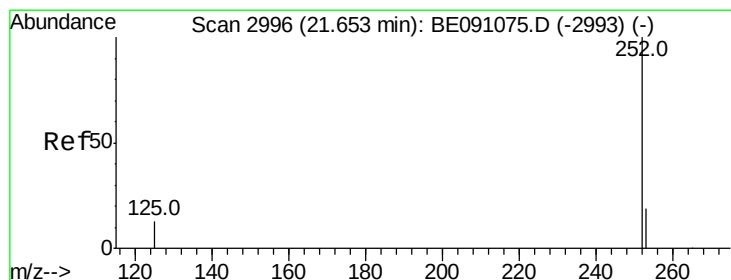
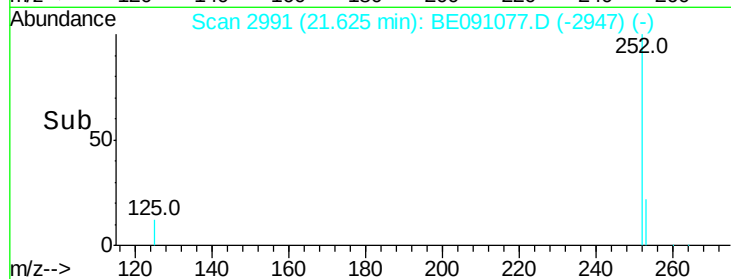
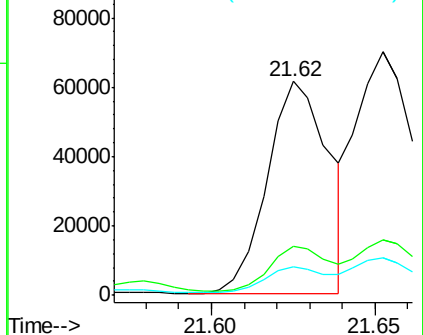
125 13.2 0.0 36.6



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: 0.72 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

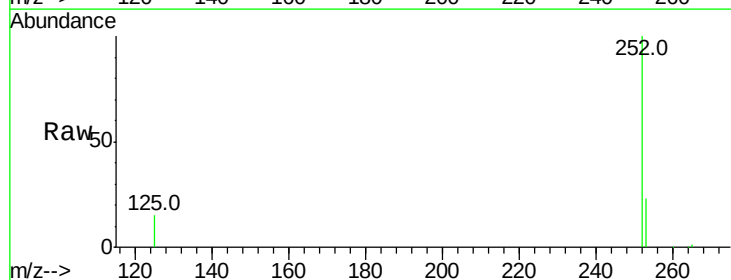
Tgt Ion:252 Resp: 90643

Ion Ratio Lower Upper

252 100

253 22.7 20.8 31.2

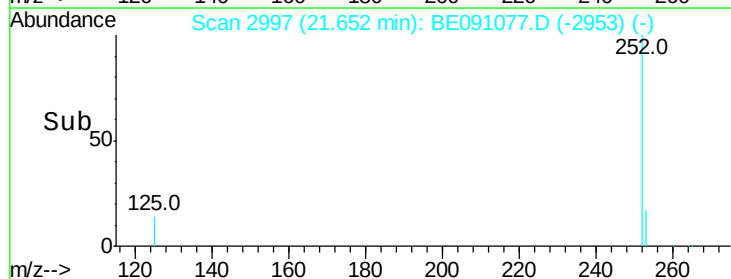
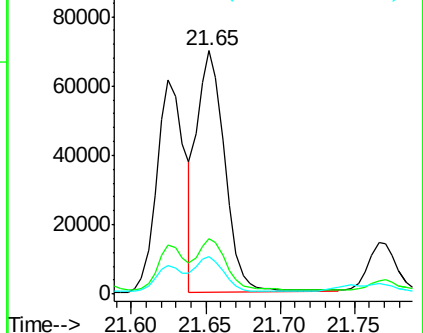
125 15.2 12.2 18.4

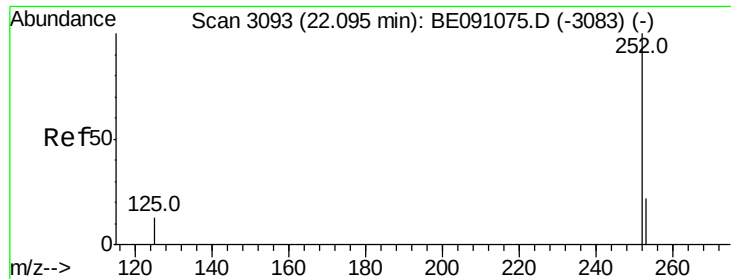


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.48 ng/ul

RT: 22.03 min Scan# 3080

Delta R.T. -0.06 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

Instrument :

BNA_E

ClientSampleId :

C0AP9

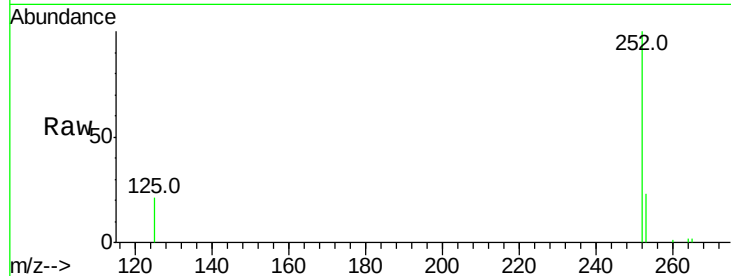
Tot Ion:252 Resp: 54613

Ion Ratio Lower Upper

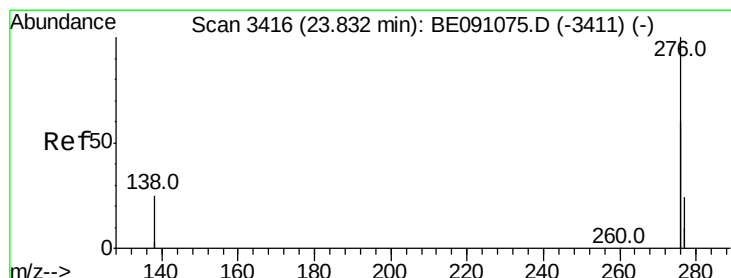
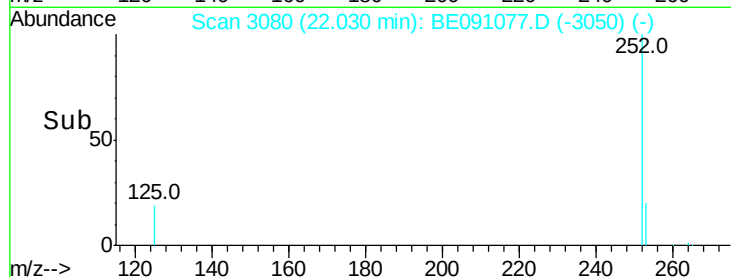
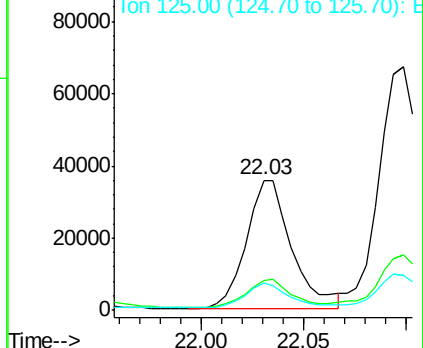
252 100

253 22.9 21.8 32.8

125 20.7 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: 0.46 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. 0.00 min

Lab File: BE091077.D

Acq: 5 Nov 2015 22:06

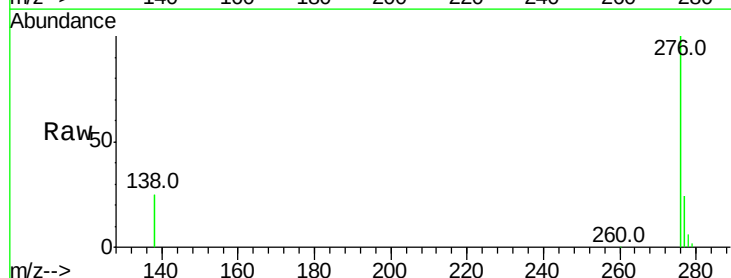
Tgt Ion:276 Resp: 220110

Ion Ratio Lower Upper

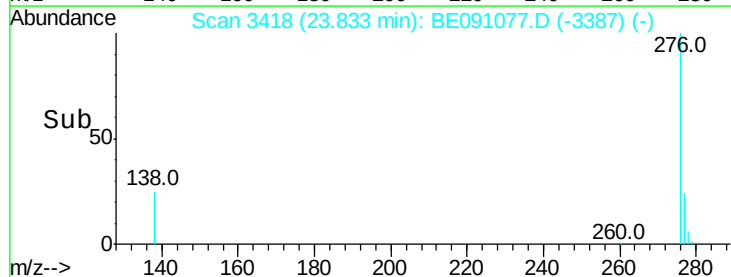
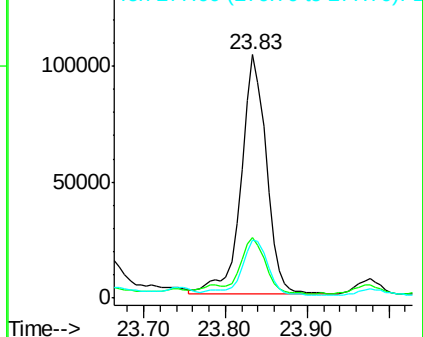
276 100

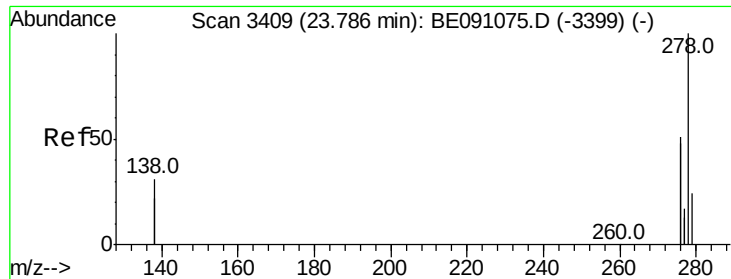
138 22.8 27.5 41.3#

277 24.3 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

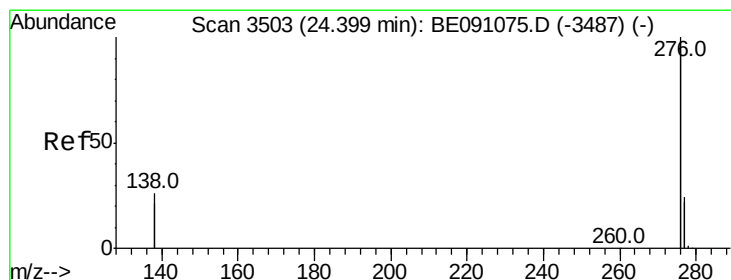
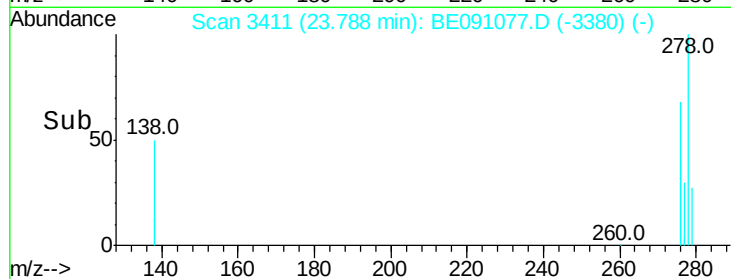
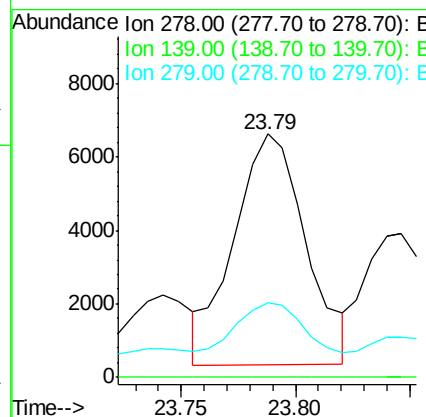
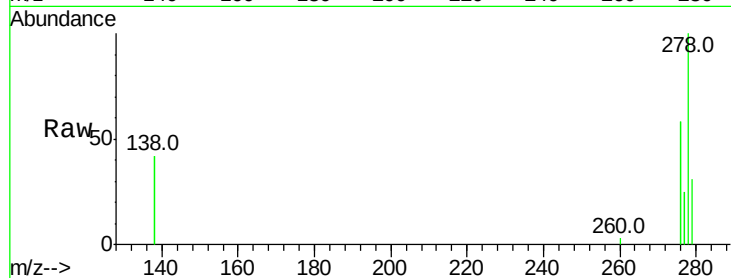




#27
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. 0.00 min
Lab File: BE091077.D
Acq: 5 Nov 2015 22:06

Instrument :
BNA_E
ClientSampleId :
C0AP9

Tot Ion:278 Resp: 13790
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 30.8 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 0.36 ng/ul
RT: 24.40 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BE091077.D
Acq: 5 Nov 2015 22:06

Tgt Ion:276 Resp: 179245
Ion Ratio Lower Upper
276 100
277 25.8 21.3 31.9
138 26.9 25.5 38.3

