

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091065.D
 Acq On : 5 Nov 2015 12:06
 Operator : UM/NP
 Sample : G4273-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN7

Quant Time: Nov 06 05:43:38 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 05:41:57 2015
 Response via : Initial Calibration

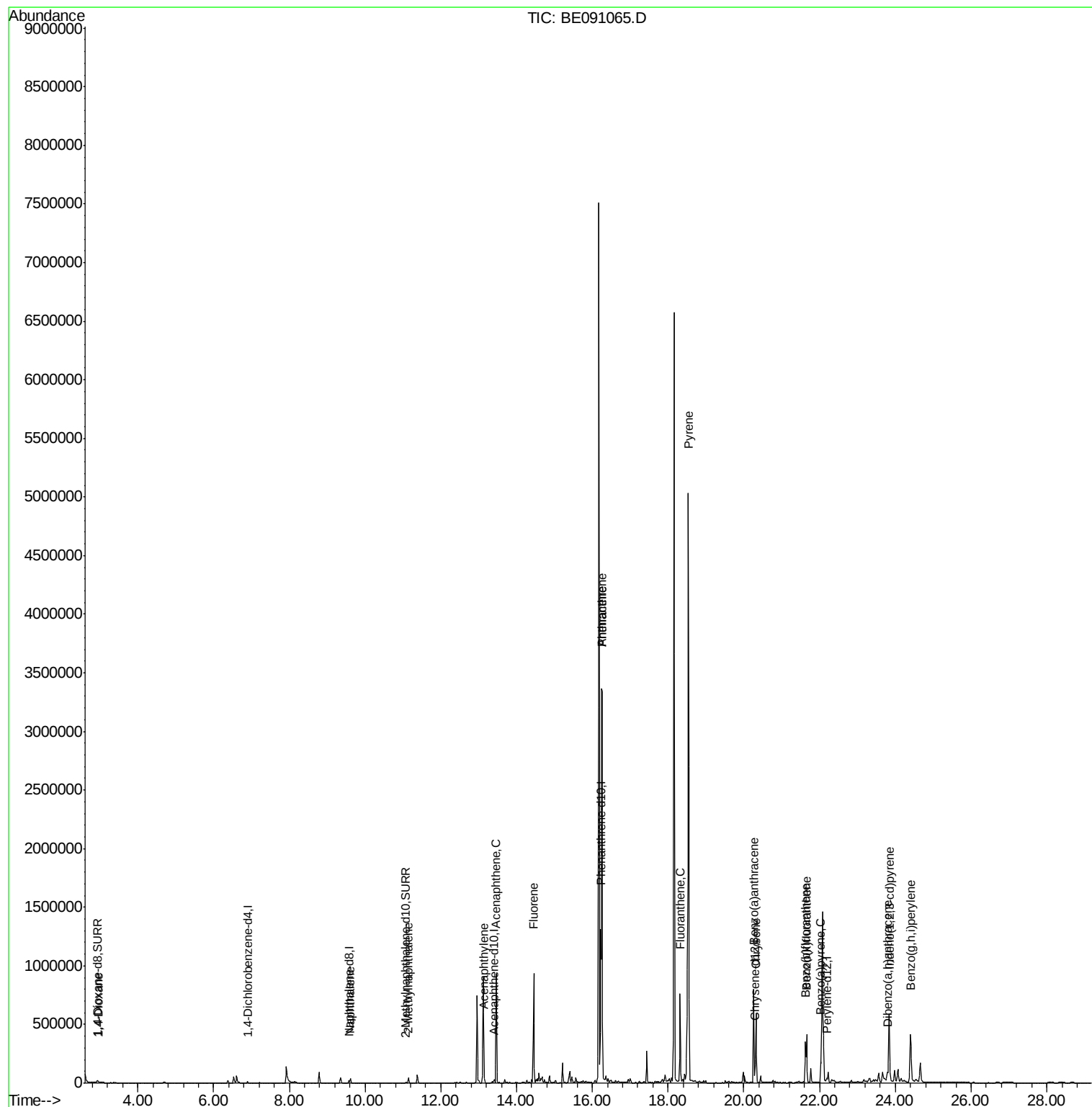
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4749	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	25916	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	15307	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	1319612	0.40	ng/ul	0.09
18) Chrysene-d12	20.29	240	38303	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	45275	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	18796	5.50	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	6388	0.18	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	19258	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.97	88	152	0.04	ng/ul#	72
5) Naphthalene	9.62	128	53180	0.83	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	34134	0.82	ng/ul	99
9) Acenaphthylene	13.14	152	38153	0.50	ng/ul	99
10) Acenaphthene	13.46	153	513192	9.80	ng/ul	93
11) Fluorene	14.45	166	561837	8.36	ng/ul	89
14) Phenanthrene	16.26	178	4066246	0.27	ng/ul	93
15) Anthracene	16.26	178	4052284	0.29	ng/ul	95
17) Fluoranthene	18.32	202	773294	0.04	ng/ul	89
19) Pyrene	18.54	202	5330066	12.25	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	620613	6.31	ng/ul	98
21) Chrysene	20.32	228	529152	4.67	ng/ul	97
23) Benzo(b)fluoranthene	21.63	252	352253	2.49	ng/ul	94
24) Benzo(k)fluoranthene	21.66	252	361942	2.50	ng/ul	95
25) Benzo(a)pyrene	22.03	252	210850	1.62	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.83	276	862904	1.57	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	57687	0.44	ng/ul#	73
28) Benzo(a,h,i)perylene	24.40	276	653004	1.13	ng/ul	93

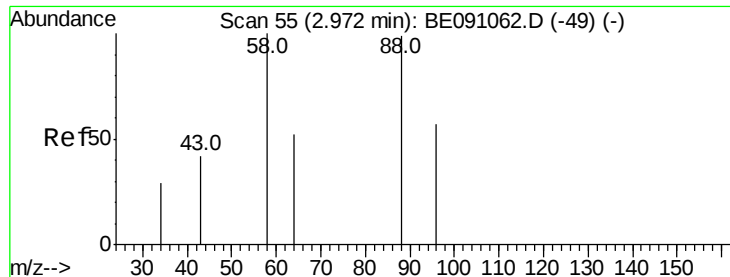
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.97 min Scan# 55

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

C0AN7

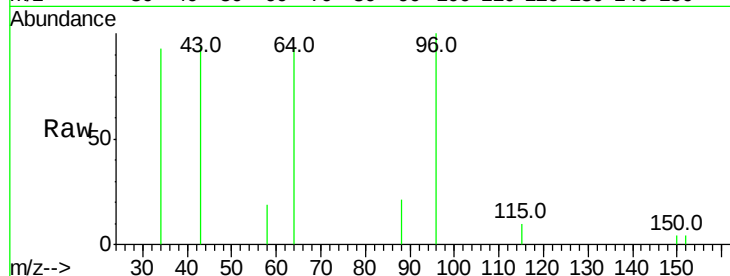
Tot Ion: 88 Resp: 152

Ion Ratio Lower Upper

88 100

58 56.6 55.4 83.2

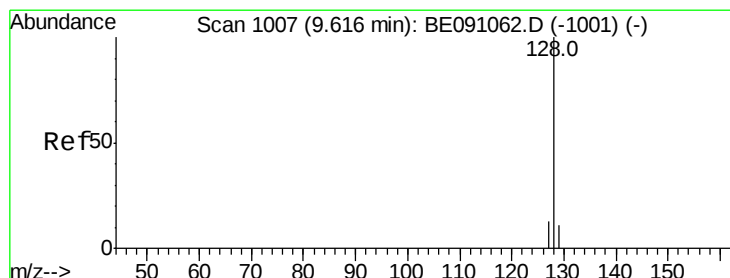
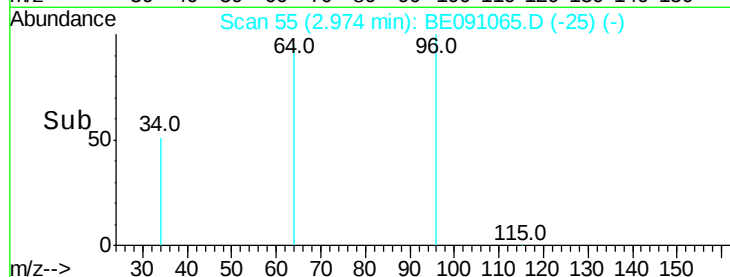
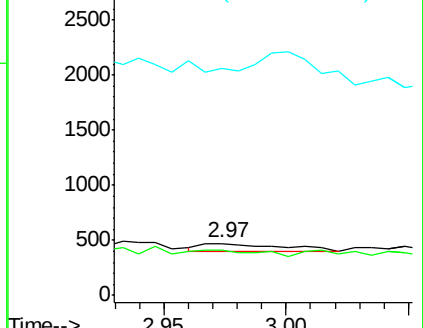
43 0.0 24.2 36.2#



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: 0.83 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

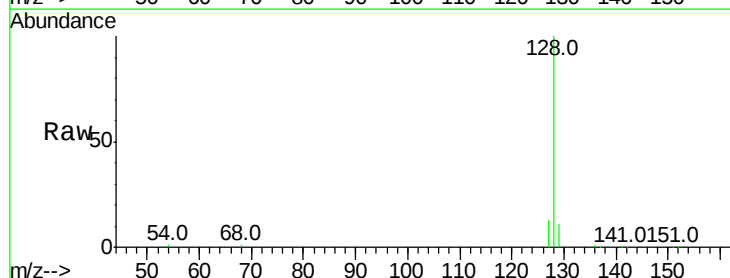
Tgt Ion:128 Resp: 53180

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.8

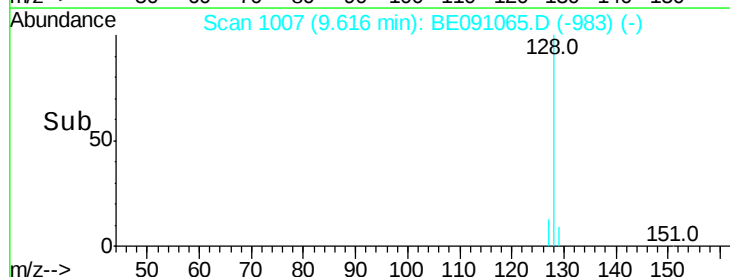
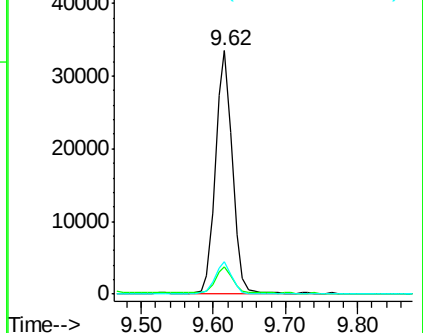
127 13.2 10.7 16.1

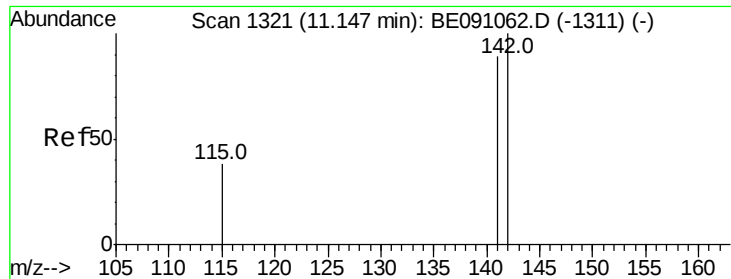


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.82 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

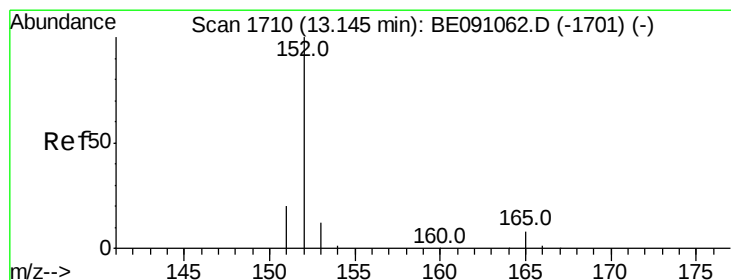
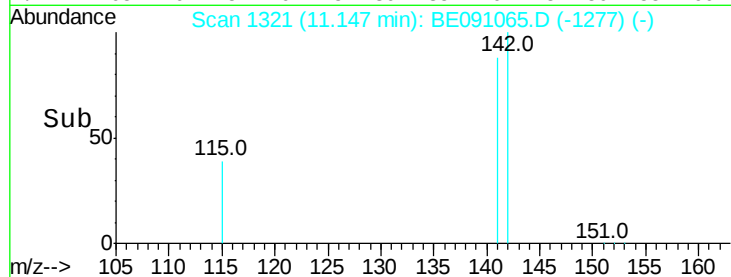
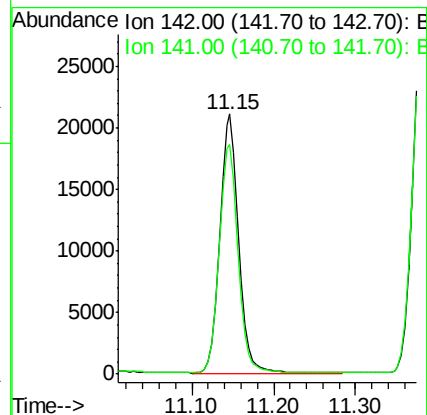
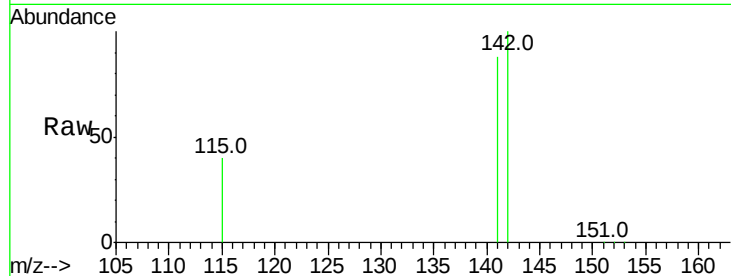
C0AN7

Tot Ion:142 Resp: 34134

Ion Ratio Lower Upper

142 100

141 89.3 70.3 105.5



#9

Acenaphthylene

Concen: 0.50 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

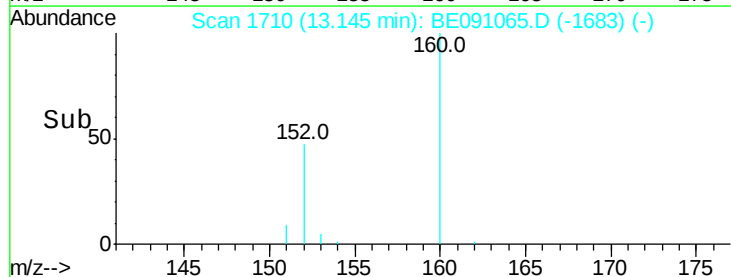
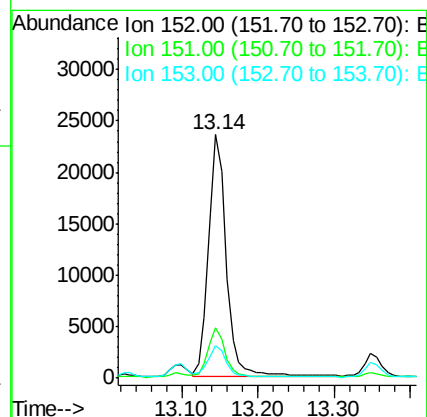
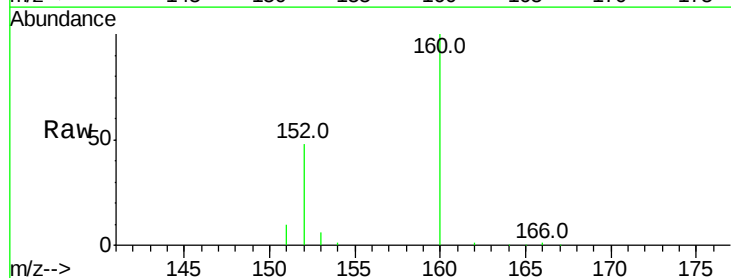
Tgt Ion:152 Resp: 38153

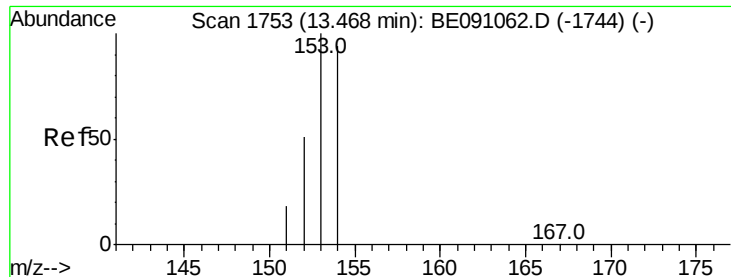
Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

153 13.2 11.3 16.9





#10

Acenaphthene

Concen: 9.80 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

C0AN7

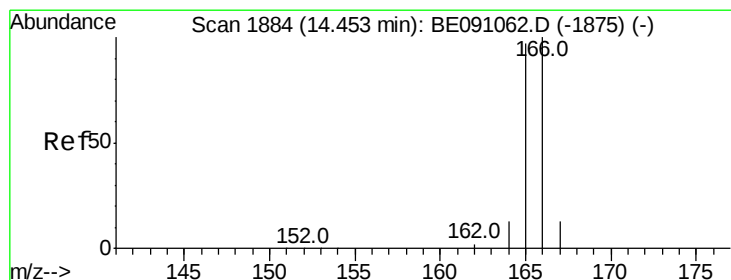
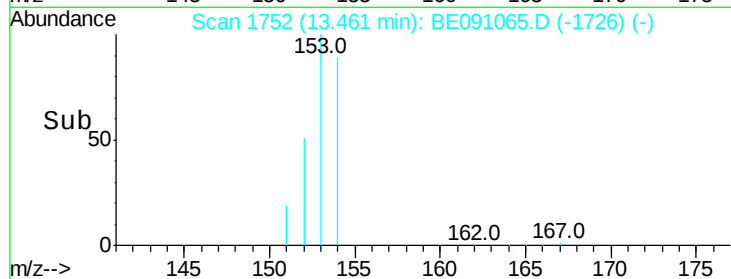
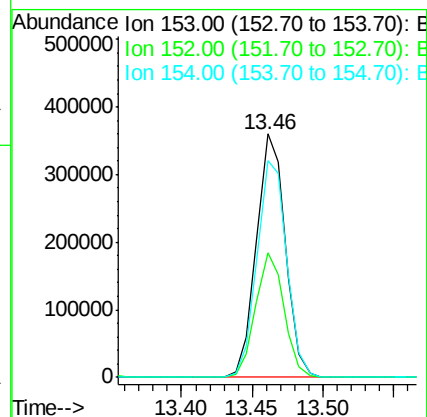
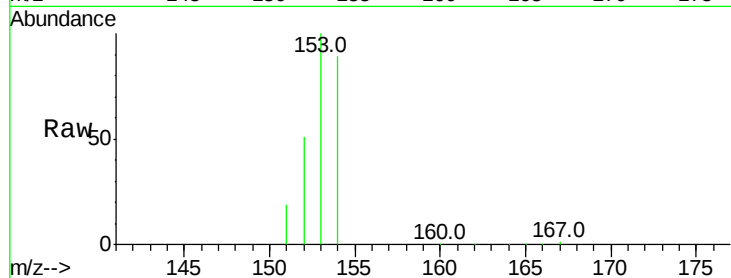
Tot Ion:153 Resp: 513192

Ion Ratio Lower Upper

153 100

152 51.0 42.3 63.5

154 89.0 64.7 97.1



#11

Fluorene

Concen: 8.36 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

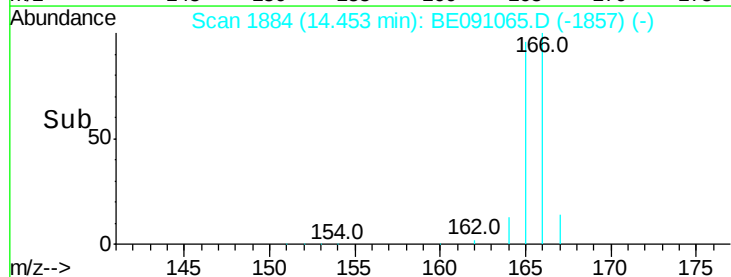
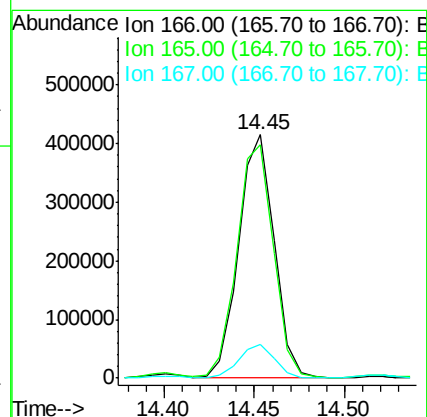
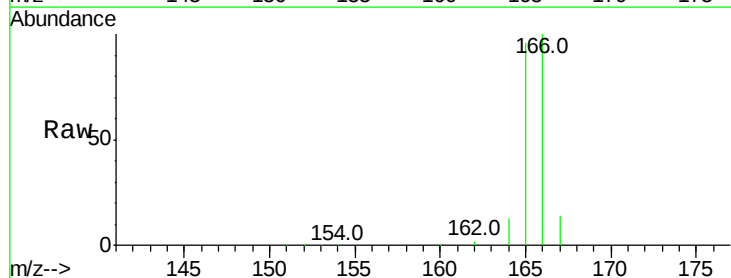
Tgt Ion:166 Resp: 561837

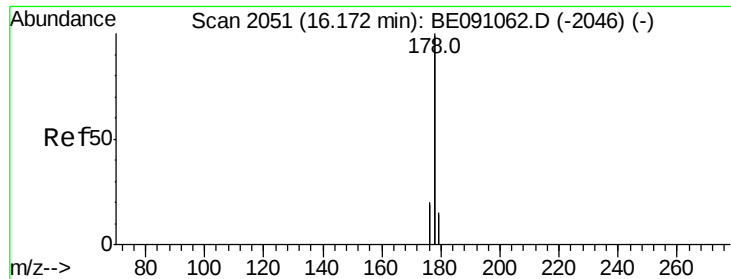
Ion Ratio Lower Upper

166 100

165 96.0 87.6 131.4

167 13.8 11.1 16.7





#14

Phenanthrene

Concen: 0.27 ng/ul

RT: 16.26 min Scan# 2058

Delta R.T. 0.09 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampled :

C0AN7

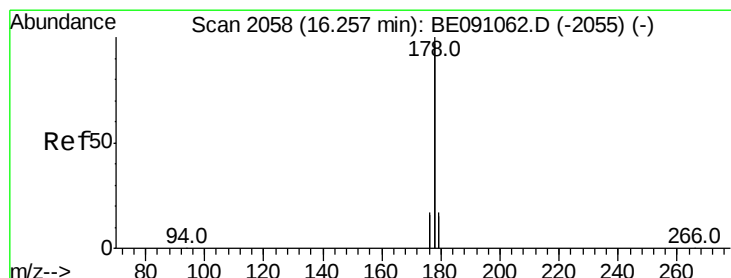
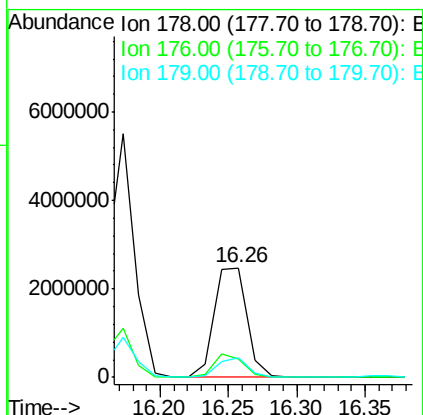
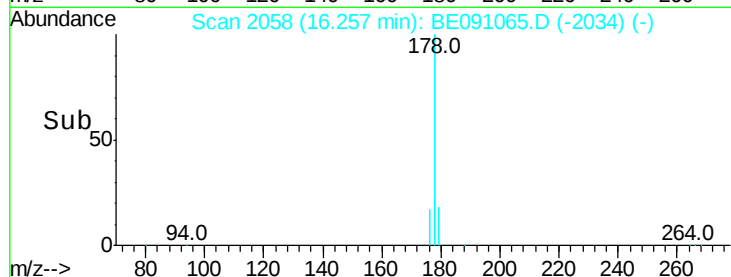
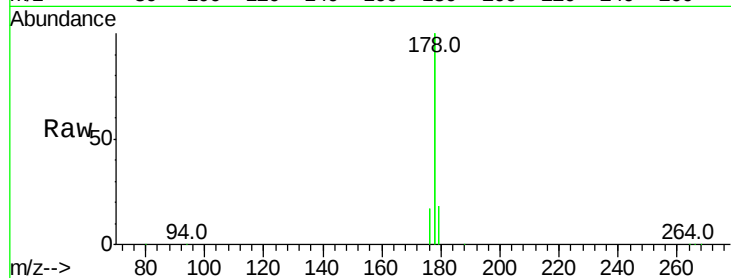
Tot Ion:178 Resp: 4066246

Ion Ratio Lower Upper

178 100

176 16.7 16.2 24.4

179 18.1 12.8 19.2



#15

Anthracene

Concen: 0.29 ng/ul

RT: 16.26 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

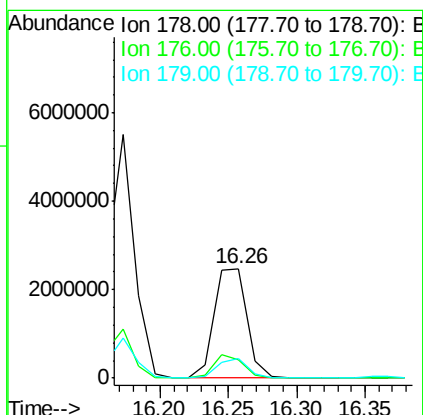
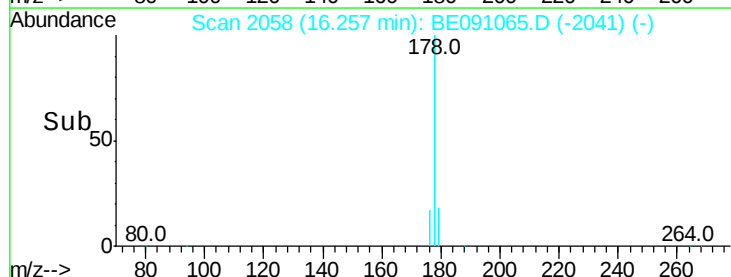
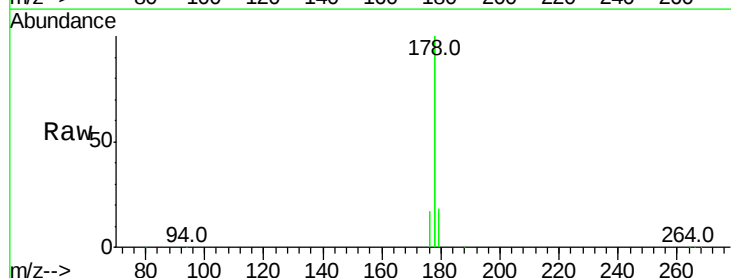
Tgt Ion:178 Resp: 4052284

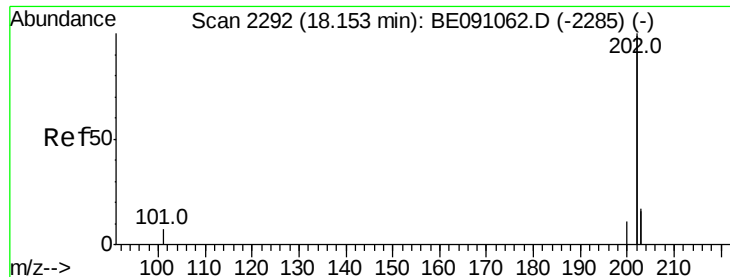
Ion Ratio Lower Upper

178 100

176 16.7 15.8 23.8

179 18.1 13.3 19.9





#17

Fluoranthene

Concen: 0.04 ng/ul

RT: 18.32 min Scan# 2317

Delta R.T. 0.16 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

C0AN7

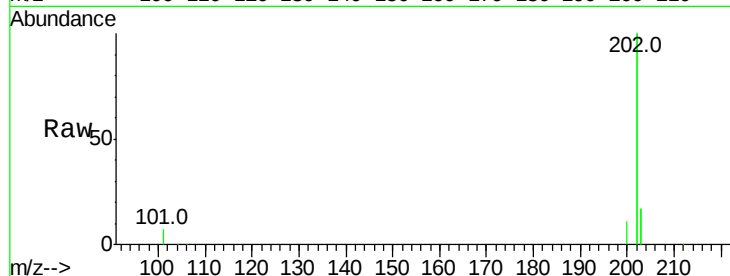
Tot Ion:202 Resp: 773294

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

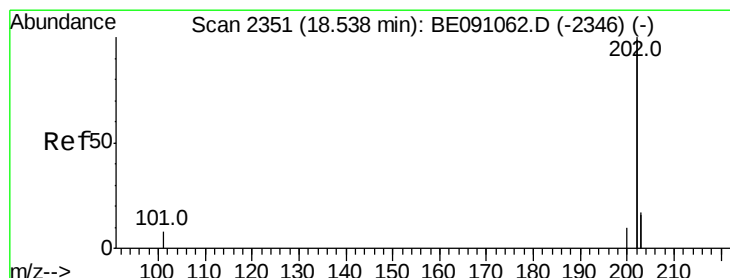
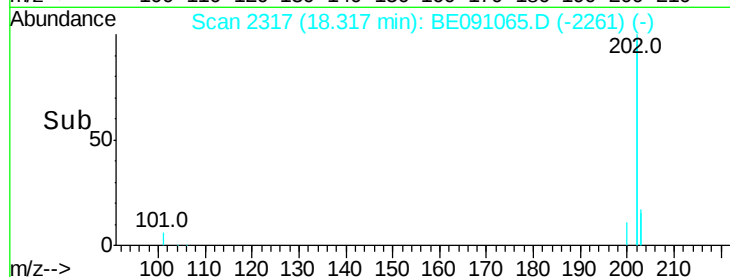
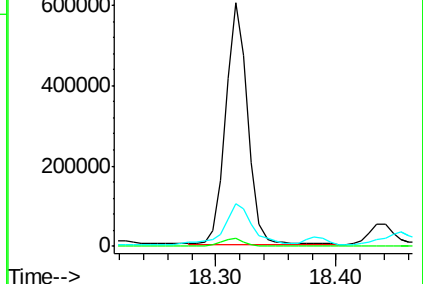
203 17.4 0.0 37.2



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: 12.25 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

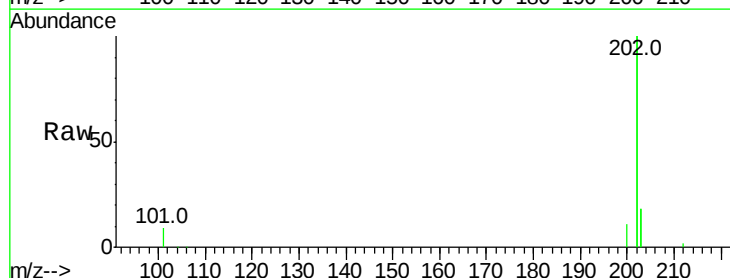
Tgt Ion:202 Resp: 5330066

Ion Ratio Lower Upper

202 100

200 5.7 18.0 27.0#

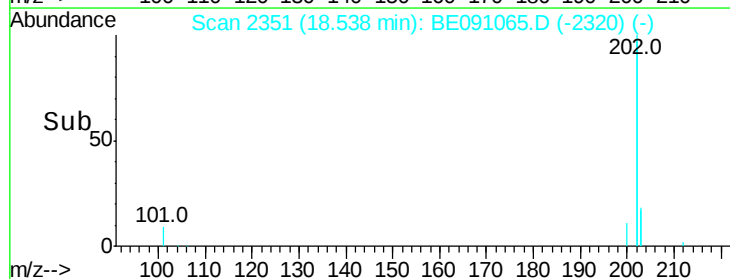
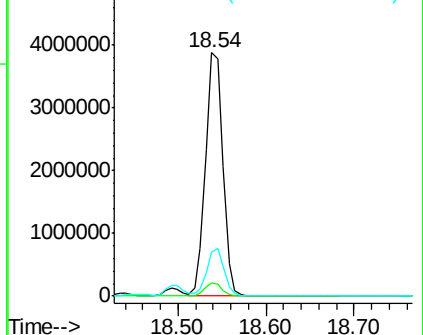
203 18.0 13.8 20.6

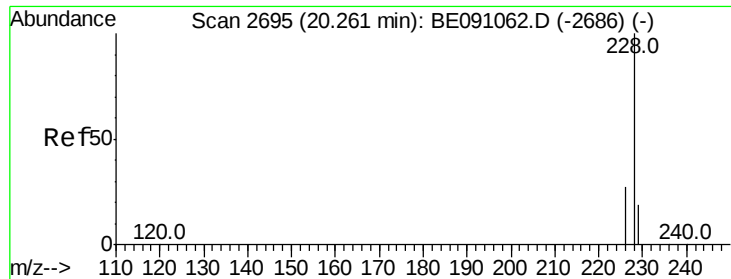


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 6.31 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

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C0AN7

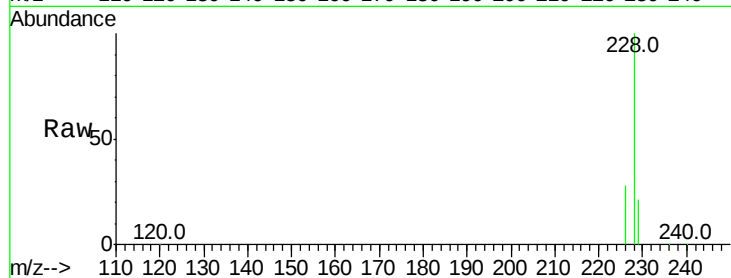
Tot Ion:228 Resp: 620613

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

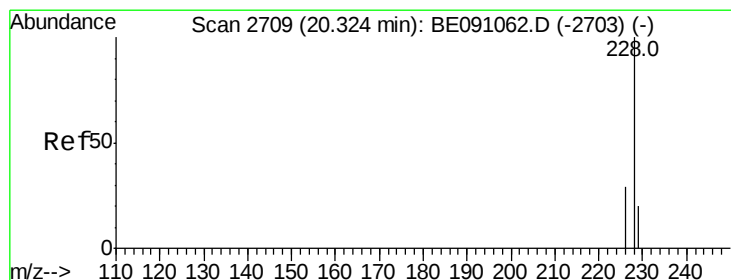
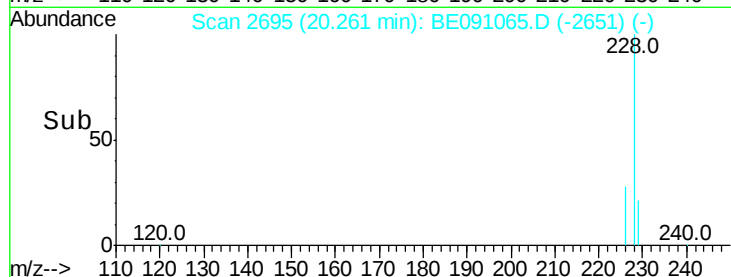
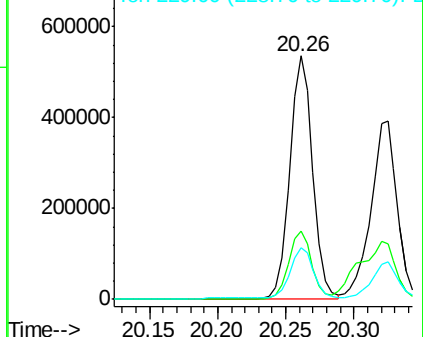
229 21.0 15.2 22.8



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: 4.67 ng/ul

RT: 20.32 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

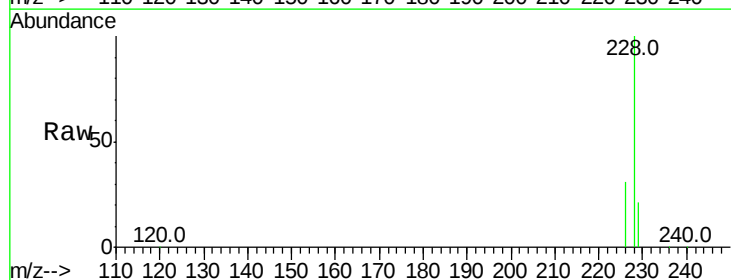
Tgt Ion:228 Resp: 529152

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

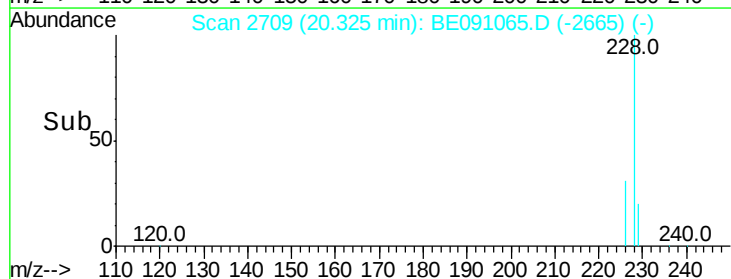
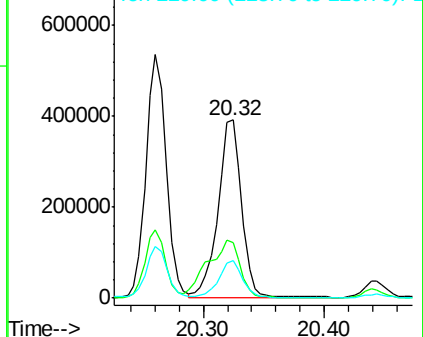
229 21.0 15.2 22.8

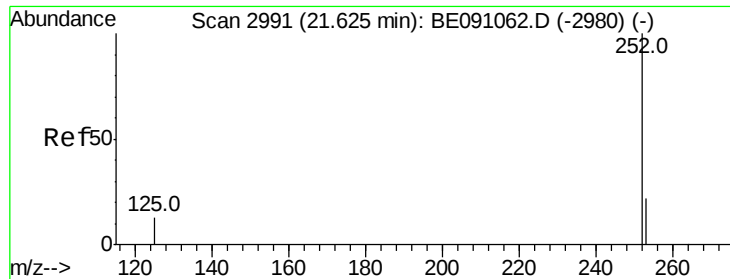


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 2.49 ng/ul

RT: 21.63 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

C0AN7

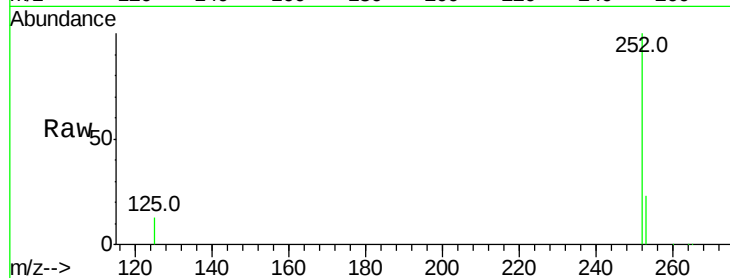
Tot Ion:252 Resp: 352253

Ion Ratio Lower Upper

252 100

253 22.9 0.0 48.0

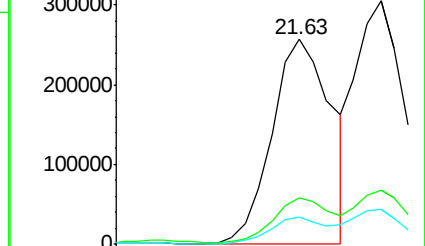
125 13.1 0.0 36.6



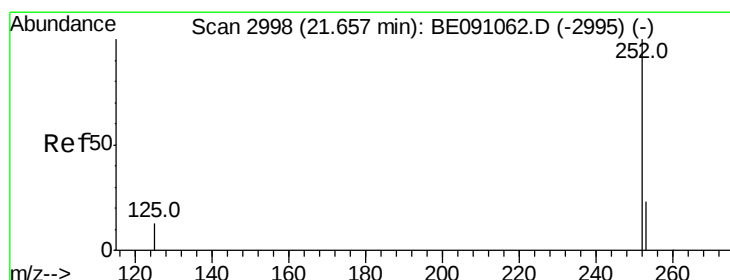
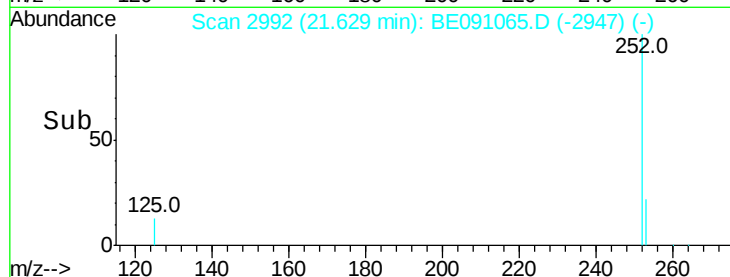
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 2.50 ng/ul

RT: 21.66 min Scan# 2998

Delta R.T. -0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

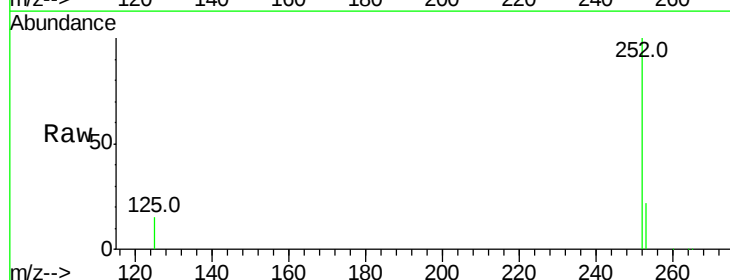
Tgt Ion:252 Resp: 361942

Ion Ratio Lower Upper

252 100

253 22.4 20.8 31.2

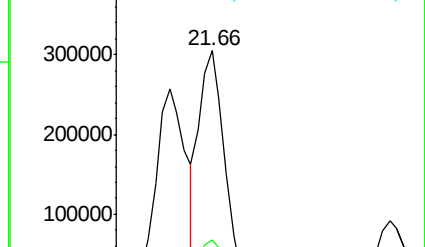
125 14.6 12.2 18.4



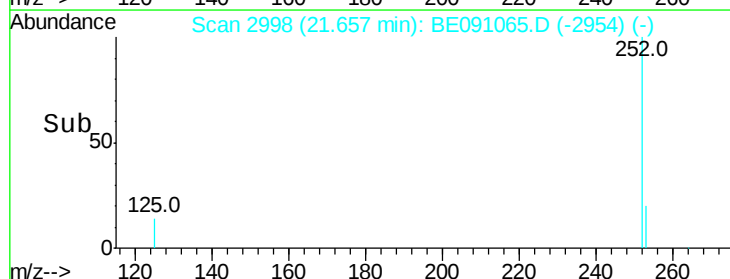
Abundance Ion 252.00 (251.70 to 252.70): E

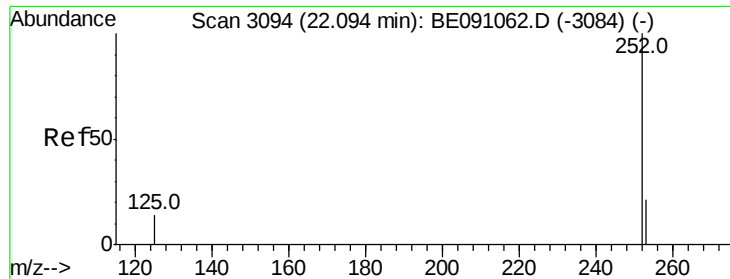
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 1.62 ng/ul

RT: 22.03 min Scan# 3081

Delta R.T. -0.06 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

Instrument :

BNA_E

ClientSampleId :

C0AN7

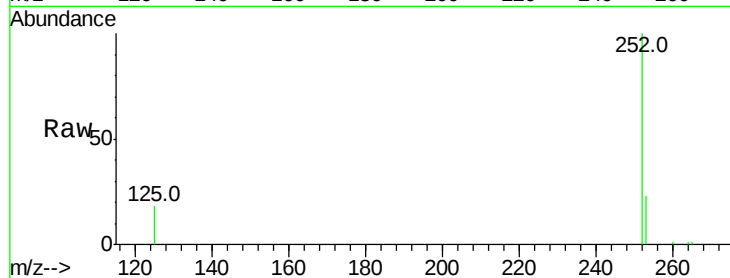
Tot Ion:252 Resp: 210850

Ion Ratio Lower Upper

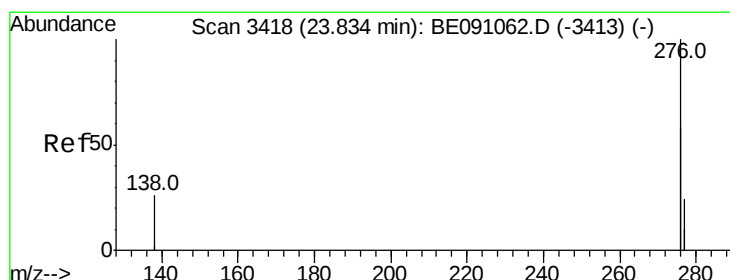
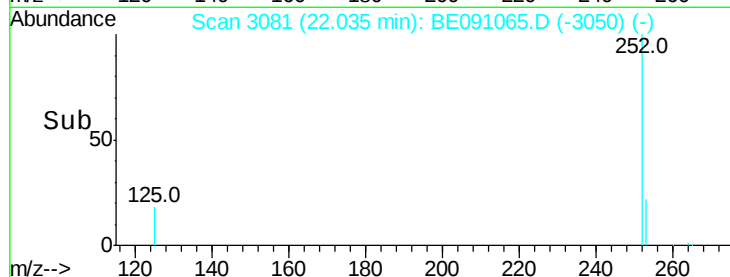
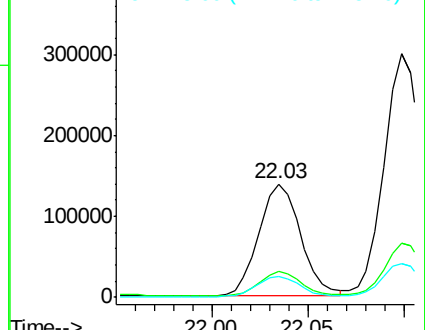
252 100

253 22.9 21.8 32.8

125 18.2 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: 1.57 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. -0.00 min

Lab File: BE091065.D

Acq: 5 Nov 2015 12:06

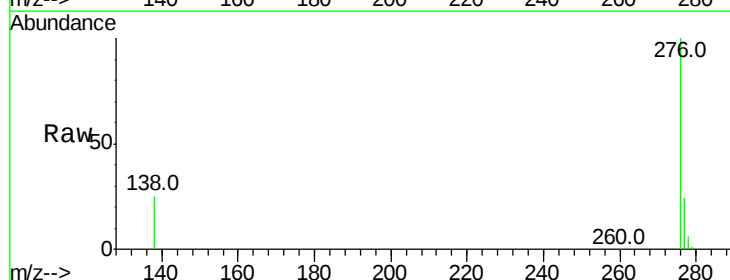
Tgt Ion:276 Resp: 862904

Ion Ratio Lower Upper

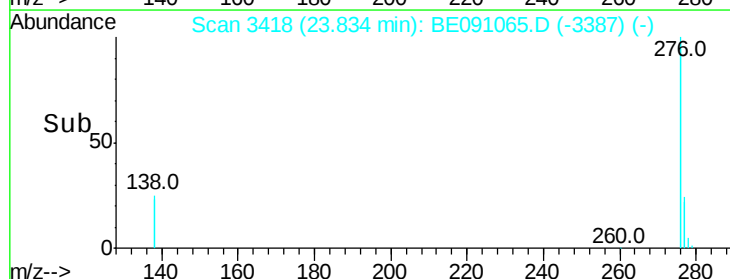
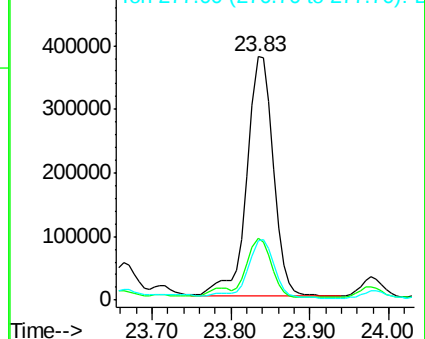
276 100

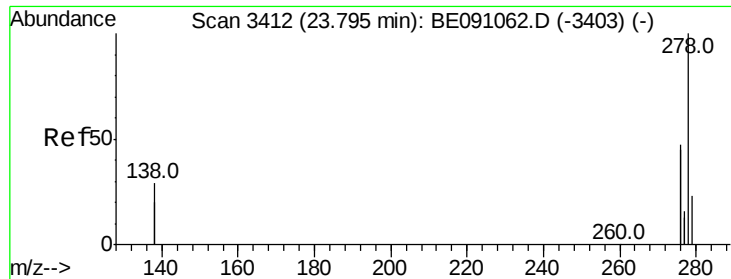
138 22.9 27.5 41.3#

277 24.9 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

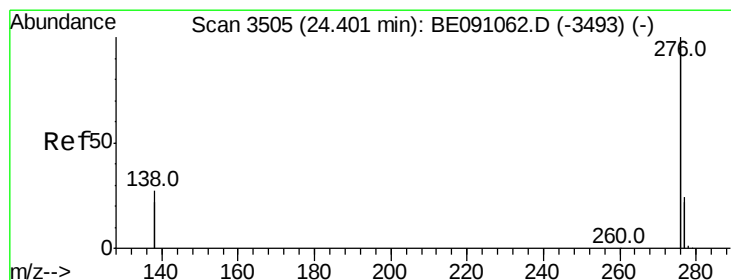
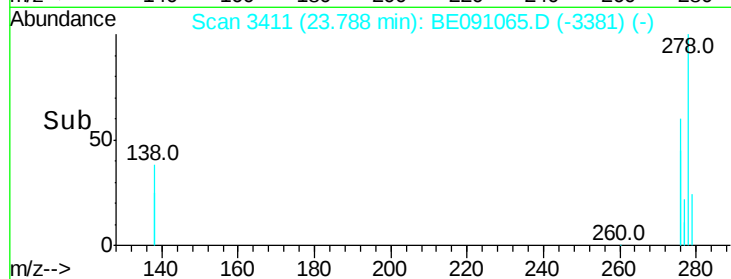
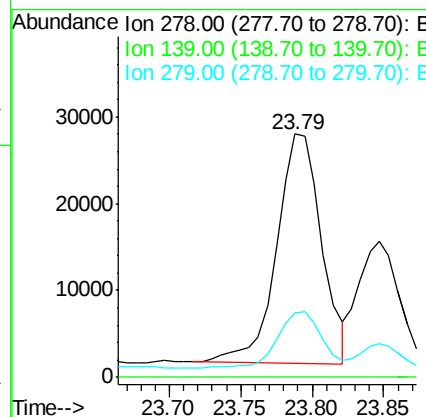
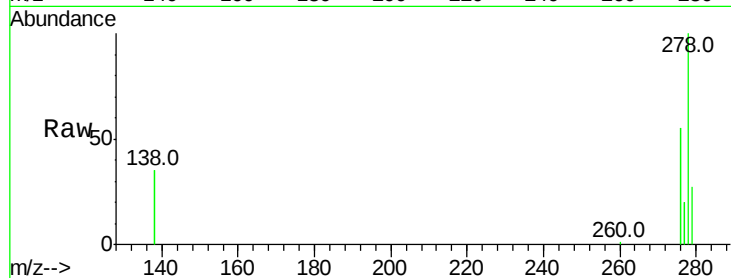




#27
Dibenzo(a,h)anthracene
Concen: 0.44 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Instrument :
BNA_E
ClientSampleId :
C0AN7

Tot Ion:278 Resp: 57687
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 26.6 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 1.13 ng/ul
RT: 24.40 min Scan# 3505
Delta R.T. -0.00 min
Lab File: BE091065.D
Acq: 5 Nov 2015 12:06

Tgt Ion:276 Resp: 653004
Ion Ratio Lower Upper
276 100
277 24.4 21.3 31.9
138 27.0 25.5 38.3

