

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091083.D
 Acq On : 6 Nov 2015 10:29
 Operator : UM/NP
 Sample : G4273-03DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN8DL

Quant Time: Nov 09 05:52:36 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 09 05:49:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3407	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18370	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10620	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	25553	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	28049	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	28670	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	3789	1.55	ng/uL	0.01
6) 2-Methylnaphthalene-d10	11.08	152	1473	0.06	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	4246	0.06	ng/ul	0.00

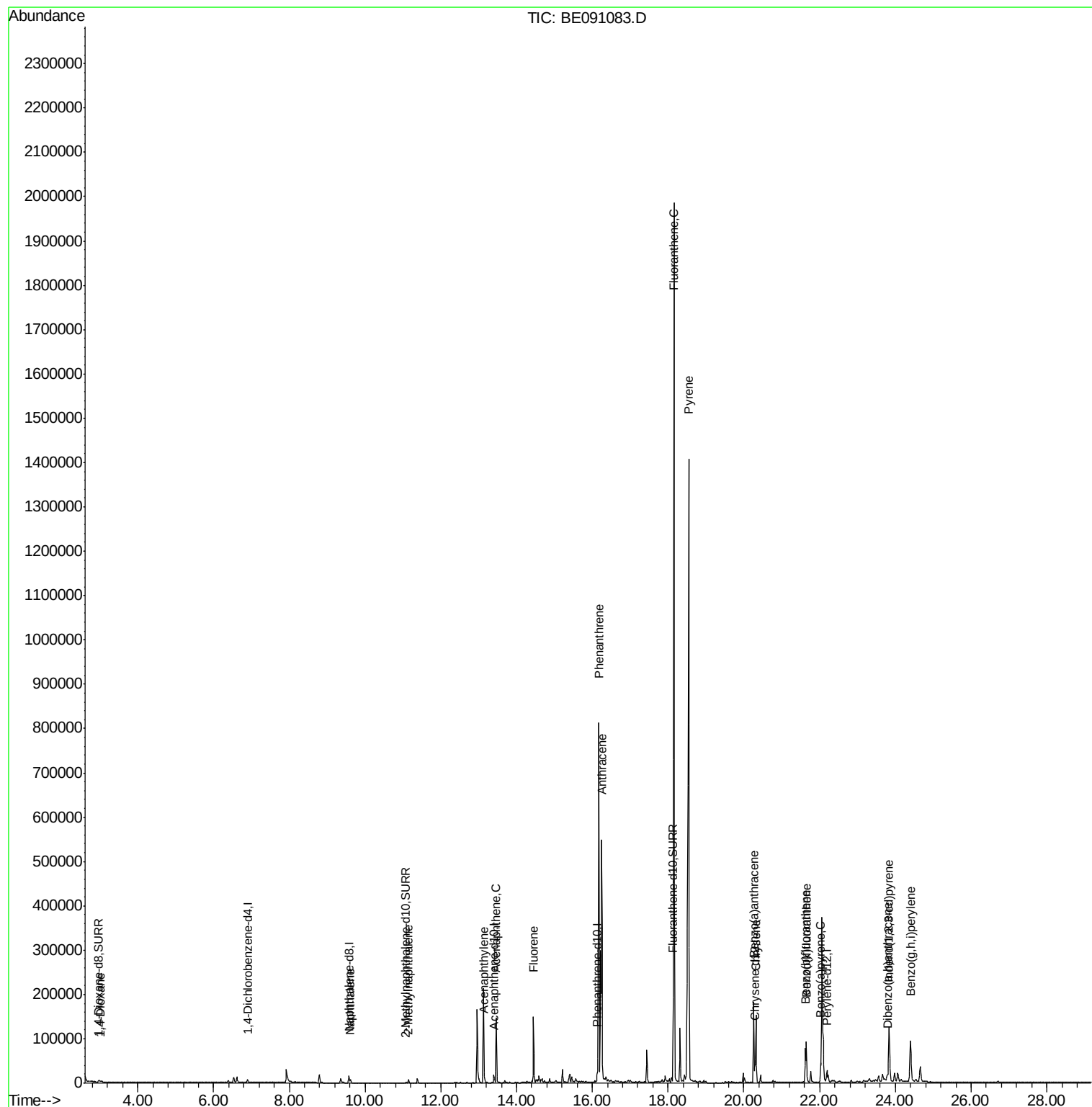
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.00	88	128	0.05	ng/ul#	24
5) Naphthalene	9.61	128	8115	0.18	ng/ul	99
7) 2-Methylnaphthalene	11.15	142	6056	0.21	ng/ul	99
9) Acenaphthylene	13.15	152	13926	0.26	ng/ul	100
10) Acenaphthene	13.46	153	79627	2.19	ng/ul	94
11) Fluorene	14.45	166	92596	1.98	ng/ul	88
14) Phenanthrene	16.17	178	851350	2.89	ng/ul	97
15) Anthracene	16.25	178	555281	2.07	ng/ul	99
17) Fluoranthene	18.15	202	1994597	5.78	ng/ul	89
19) Pyrene	18.54	202	1393494	4.37	ng/ul#	77
20) Benzo(a)anthracene	20.26	228	144420	2.00	ng/ul	97
21) Chrysene	20.32	228	131232	1.58	ng/ul	99
23) Benzo(b)fluoranthene	21.63	252	76220	0.85	ng/ul	93
24) Benzo(k)fluoranthene	21.65	252	82837	0.90	ng/ul	95
25) Benzo(a)pyrene	22.03	252	46390	0.56	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.83	276	180539	0.52	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	13147	0.16	ng/ul#	74
28) Benzo(g,h,i)perylene	24.40	276	151978	0.42	ng/ul	93

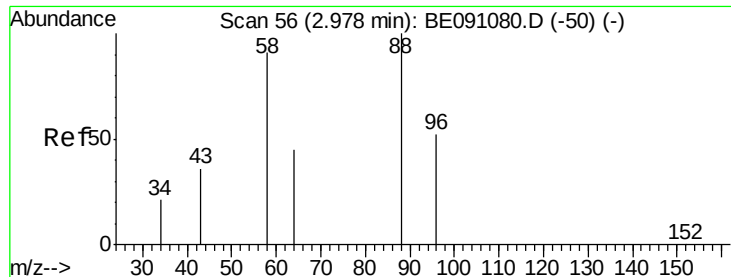
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.00 min Scan# 60

Delta R.T. 0.03 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampled :

COAN8DL

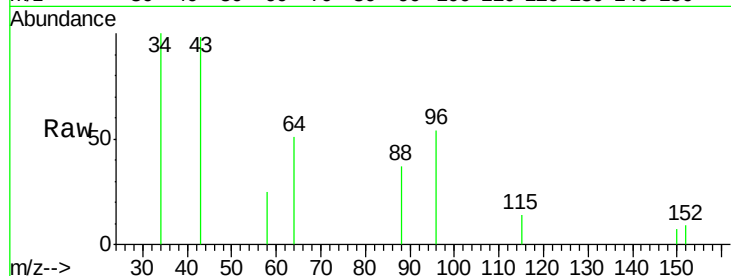
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

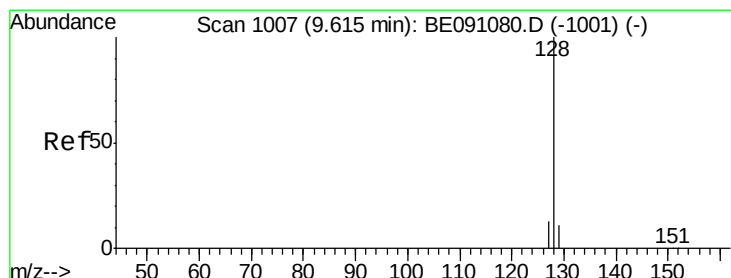
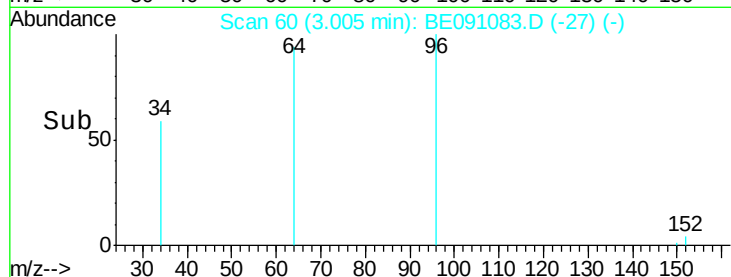
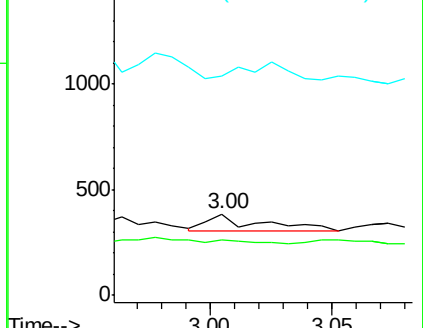
88 100

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: 0.18 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

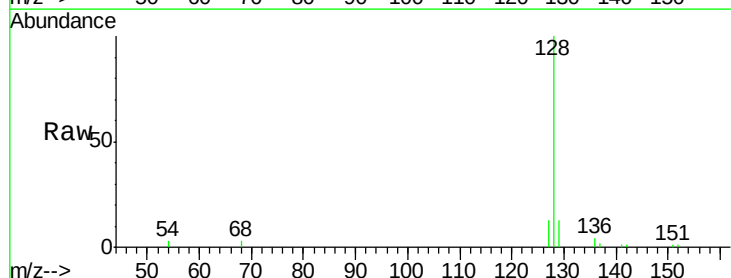
Tgt Ion: 128 Resp: 8115

Ion Ratio Lower Upper

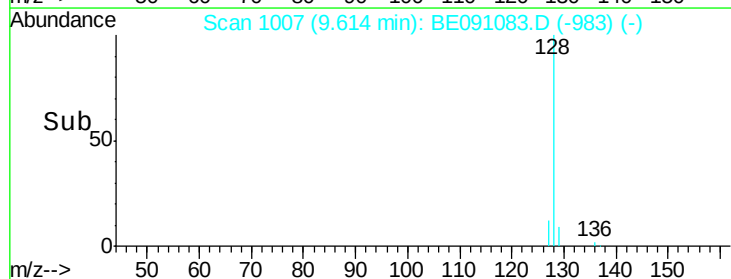
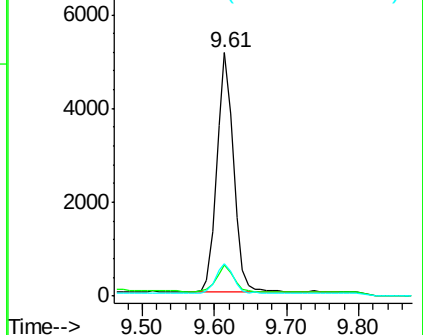
128 100

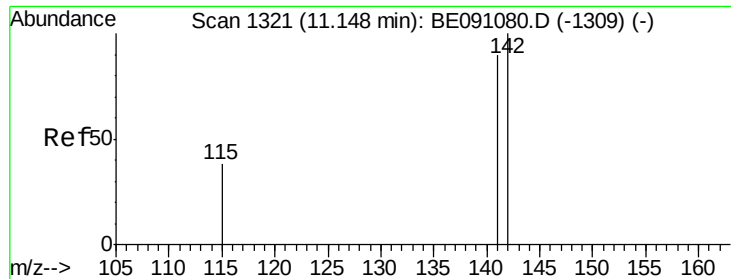
129 12.7 9.8 14.8

127 13.5 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: 0.21 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

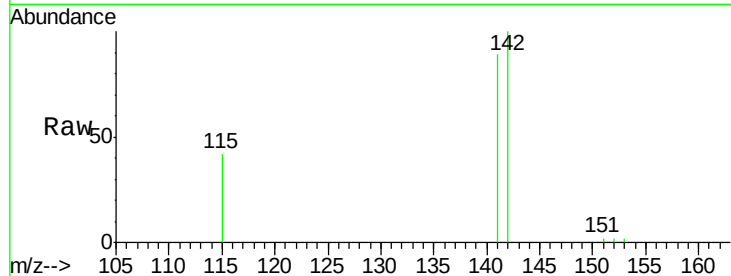
COAN8DL

Tgt Ion:142 Resp: 6056

Ion Ratio Lower Upper

142 100

141 89.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.15

4000

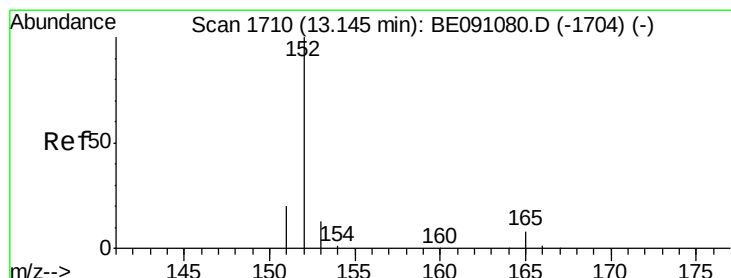
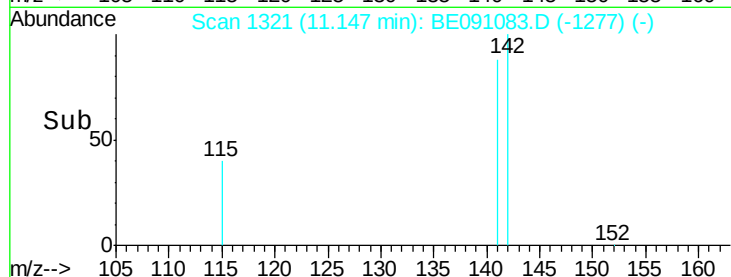
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.26 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

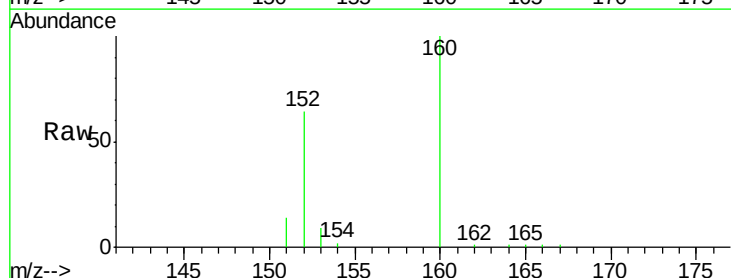
Tgt Ion:152 Resp: 13926

Ion Ratio Lower Upper

152 100

151 21.1 16.8 25.2

153 13.8 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

13.15

10000

8000

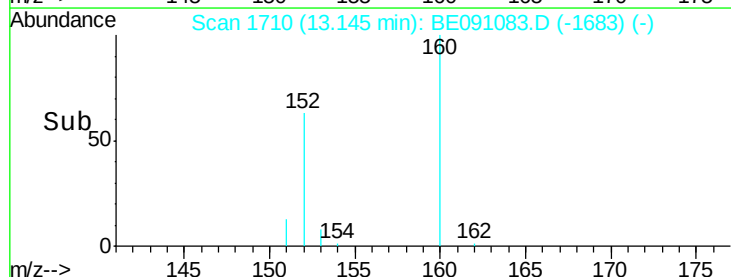
6000

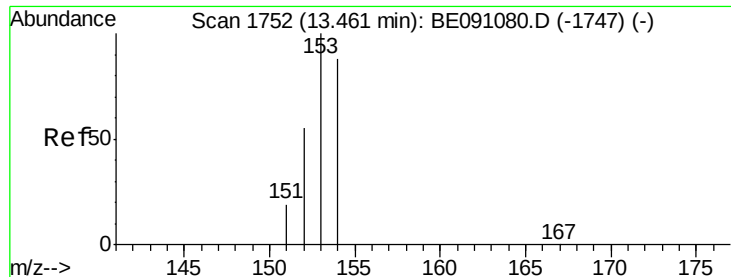
4000

2000

0

Time--> 13.10 13.20 13.30





#10

Acenaphthene

Concen: 2.19 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

C0AN8DL

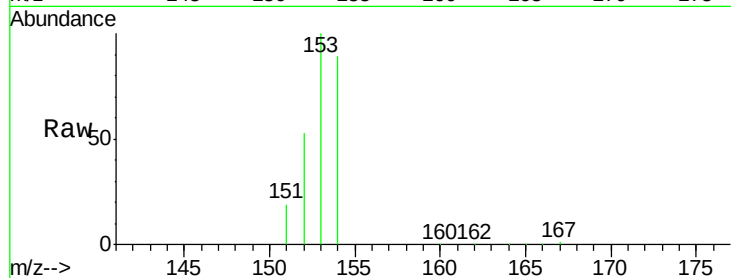
Tgt Ion:153 Resp: 79627

Ion Ratio Lower Upper

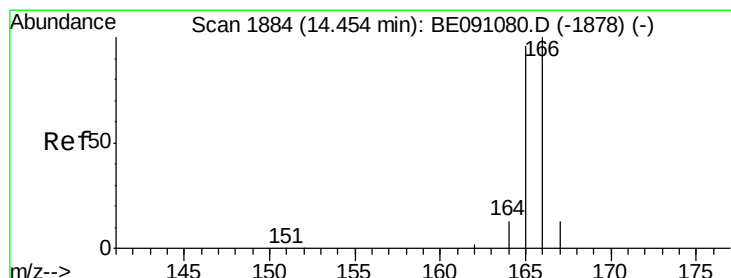
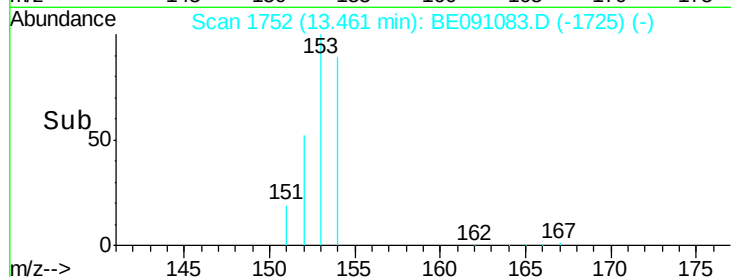
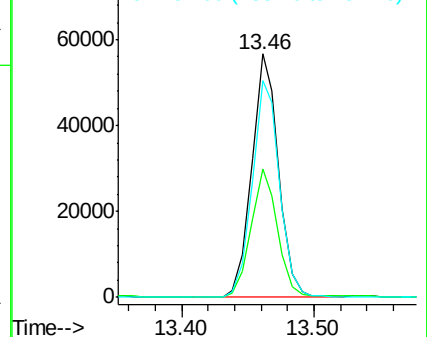
153 100

152 52.5 42.3 63.5

154 89.1 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: 1.98 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

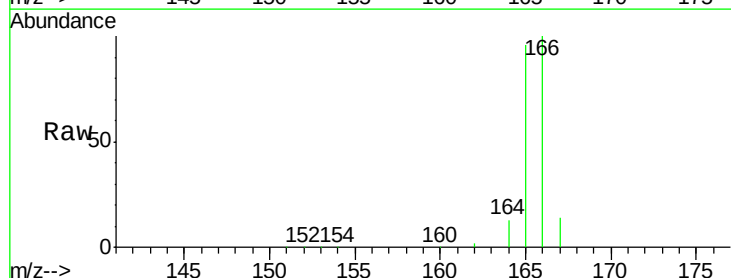
Tgt Ion:166 Resp: 92596

Ion Ratio Lower Upper

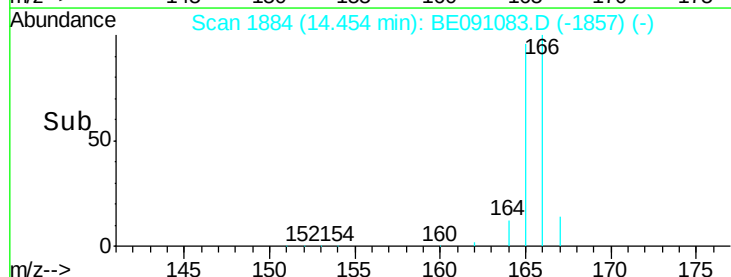
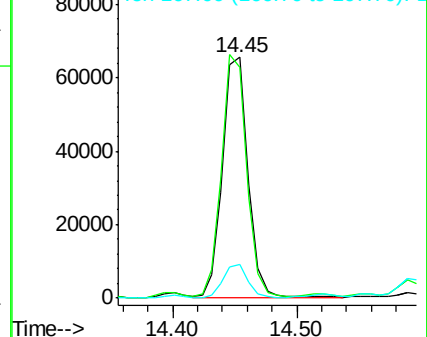
166 100

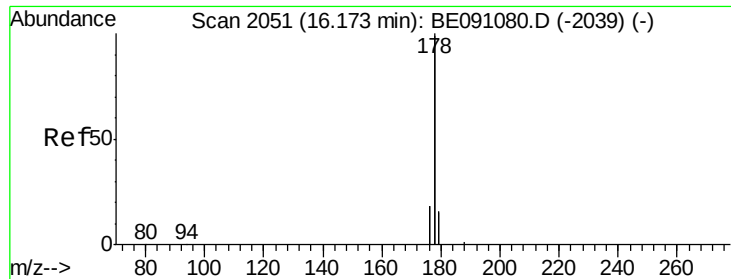
165 95.7 87.6 131.4

167 13.8 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





#14

Phenanthrene

Concen: 2.89 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

C0AN8DL

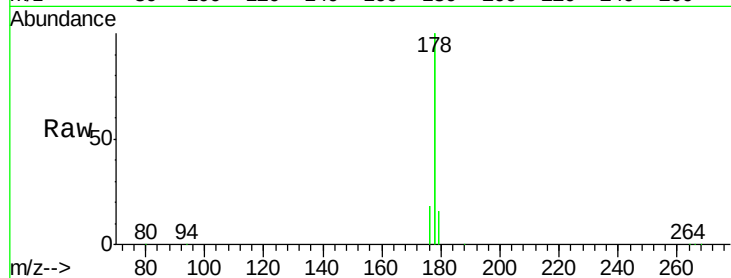
Tgt Ion:178 Resp: 851350

Ion Ratio Lower Upper

178 100

176 17.7 16.2 24.4

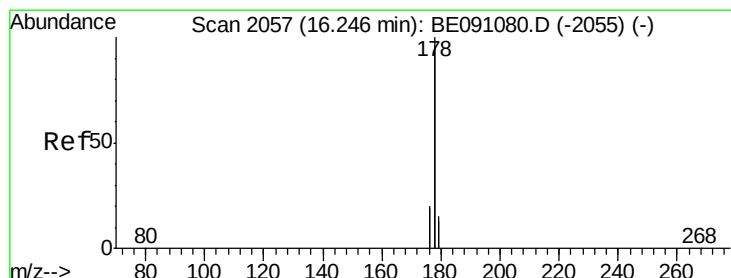
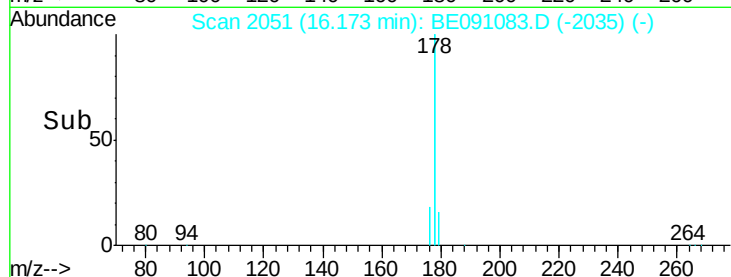
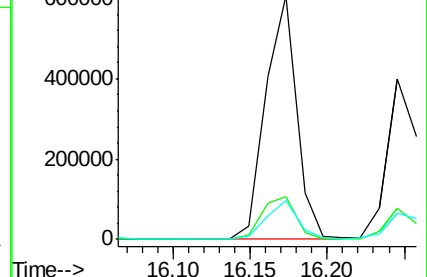
179 16.2 12.8 19.2



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



#15

Anthracene

Concen: 2.07 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

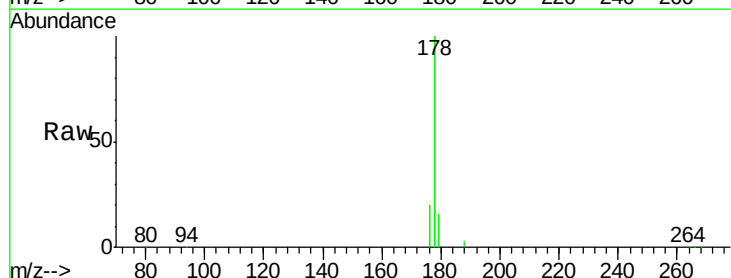
Tgt Ion:178 Resp: 555281

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

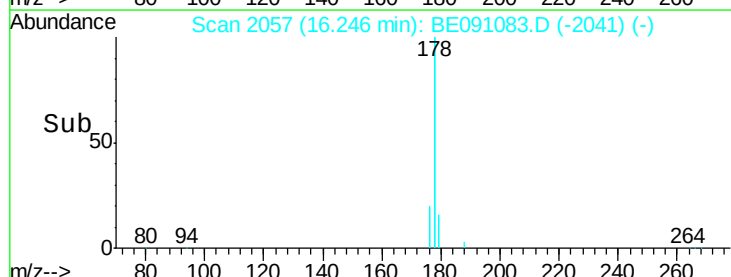
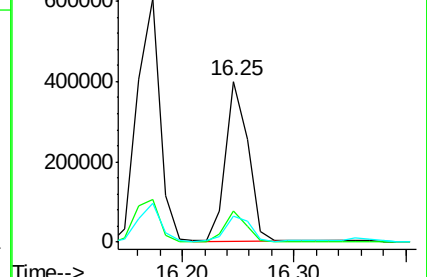
179 15.9 13.3 19.9

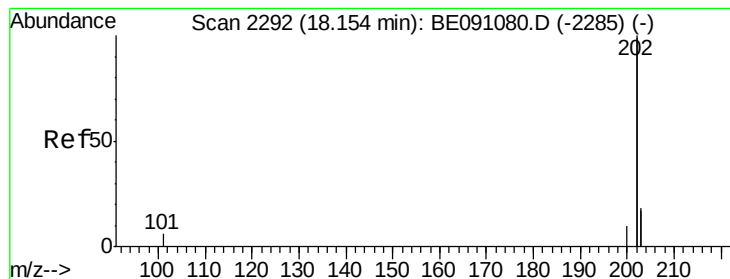


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 5.78 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

C0AN8DL

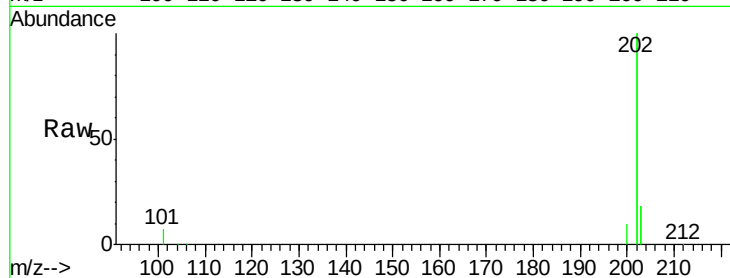
Tgt Ion:202 Resp: 1994597

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

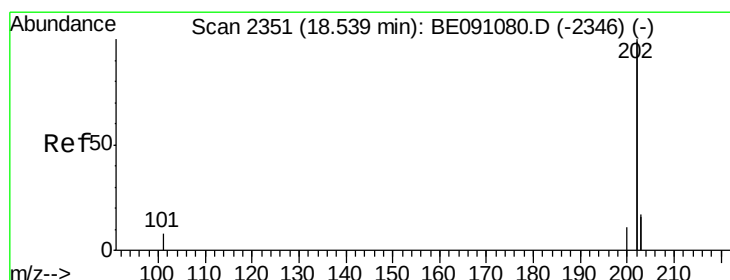
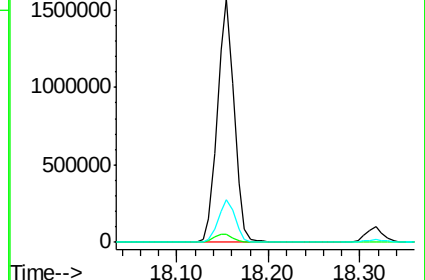
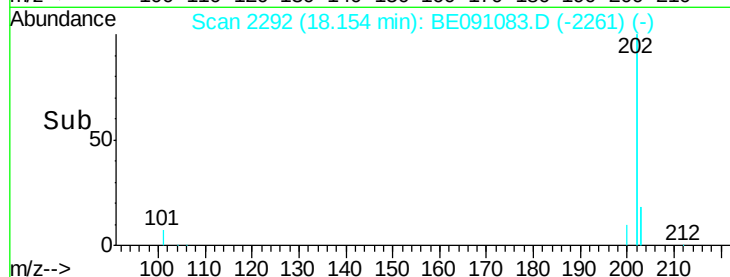
203 17.7 0.0 37.2



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: 4.37 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

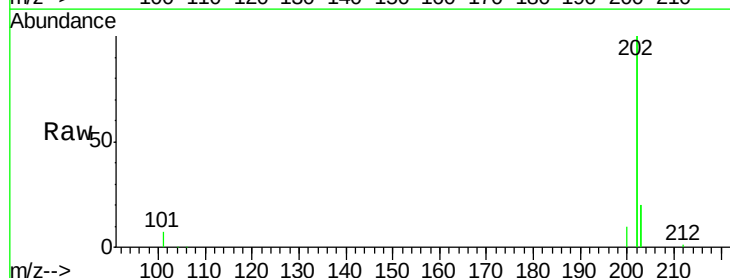
Tgt Ion:202 Resp: 1393494

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

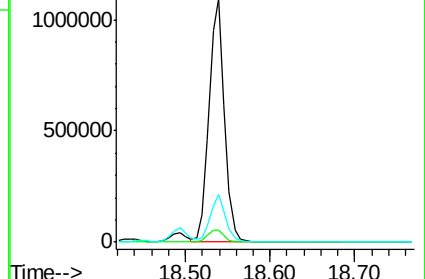
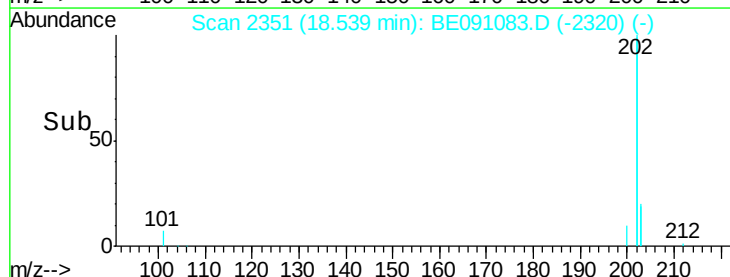
203 19.7 13.8 20.6

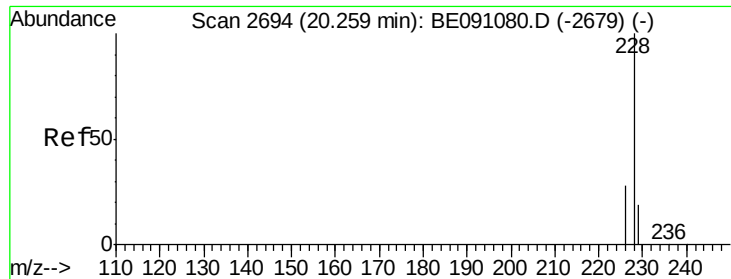


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 2.00 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

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C0AN8DL

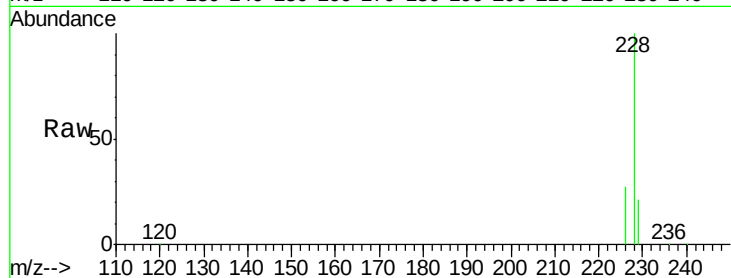
Tgt Ion:228 Resp: 144420

Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

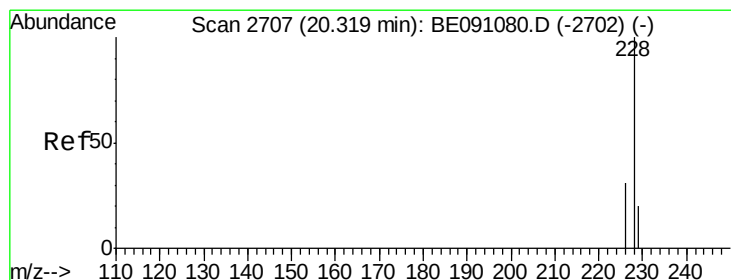
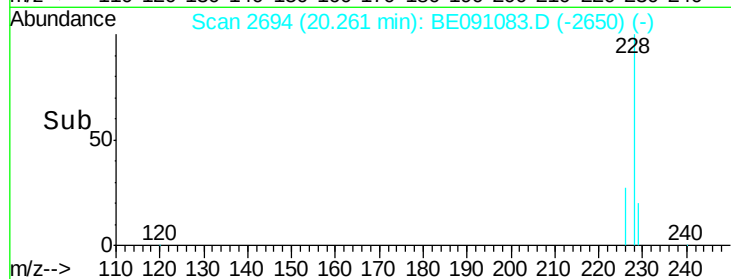
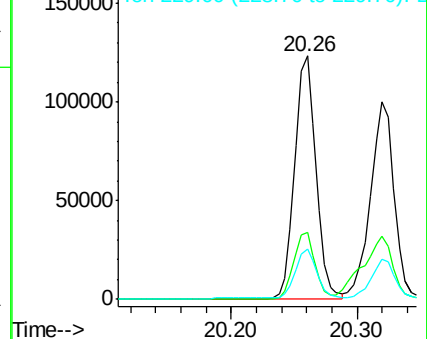
229 20.6 15.2 22.8



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: 1.58 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

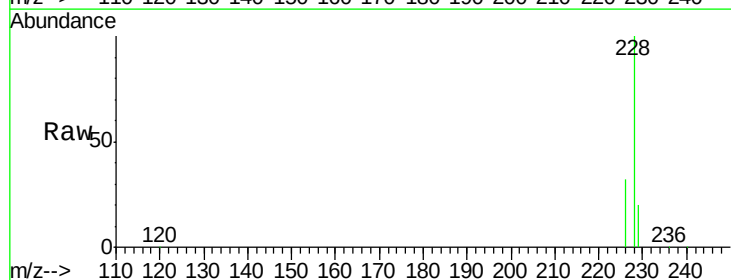
Tgt Ion:228 Resp: 131232

Ion Ratio Lower Upper

228 100

226 32.0 25.7 38.5

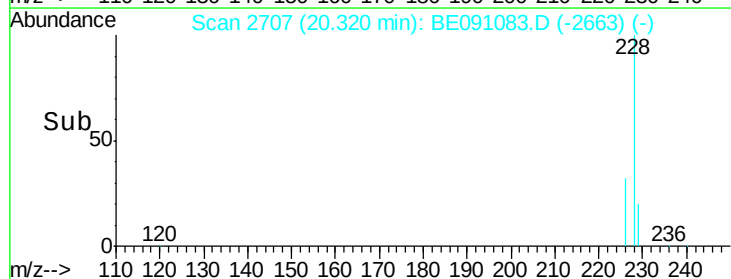
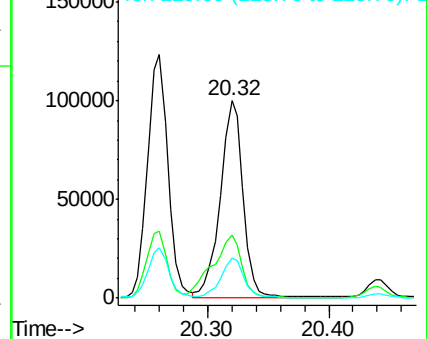
229 20.3 15.2 22.8

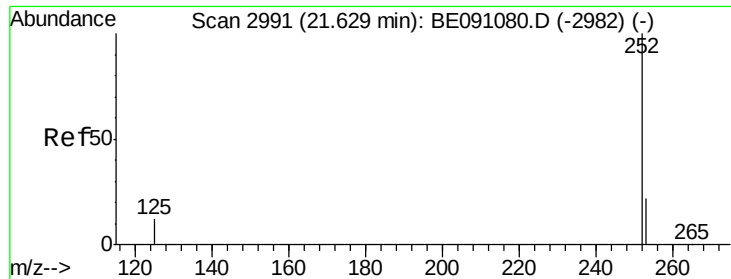


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.85 ng/ul

RT: 21.63 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

C0AN8DL

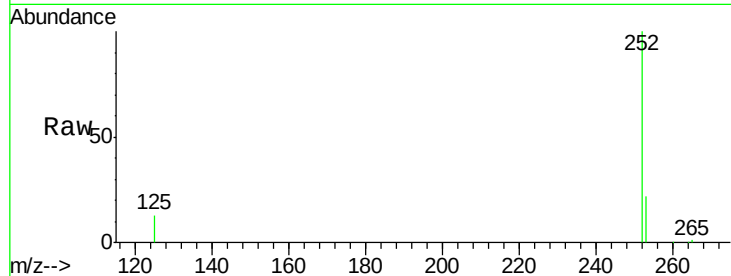
Tgt Ion:252 Resp: 76220

Ion Ratio Lower Upper

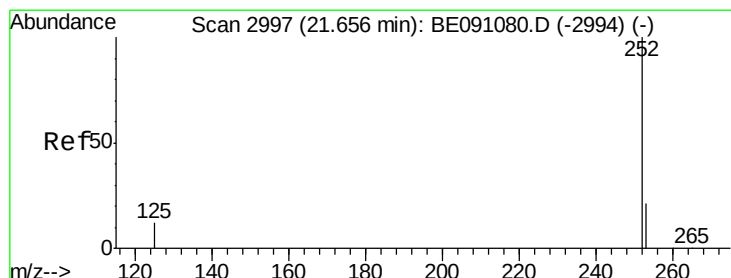
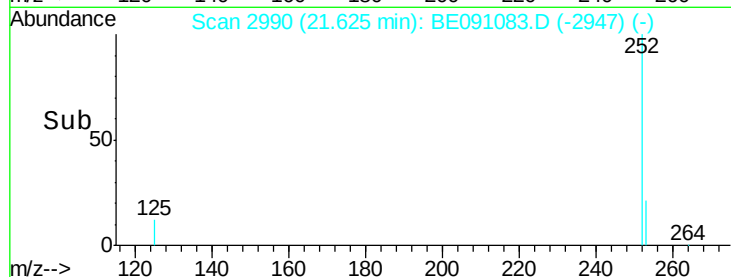
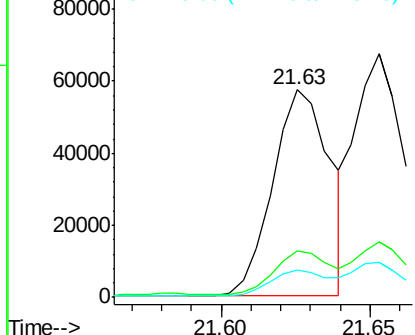
252 100

253 22.4 0.0 48.0

125 12.9 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: 0.90 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

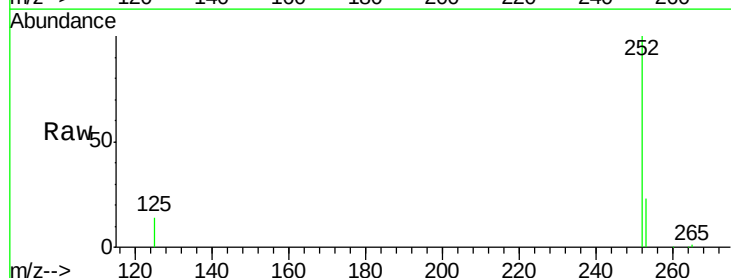
Tgt Ion:252 Resp: 82837

Ion Ratio Lower Upper

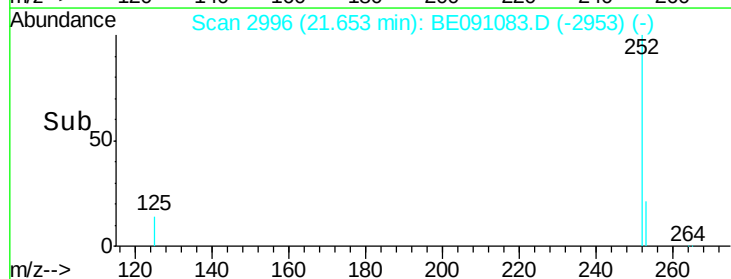
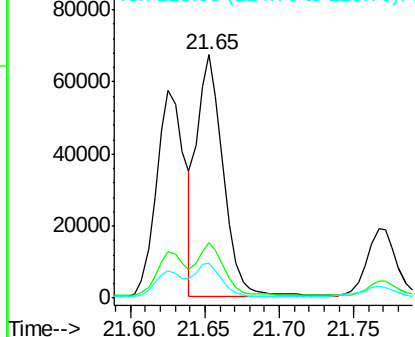
252 100

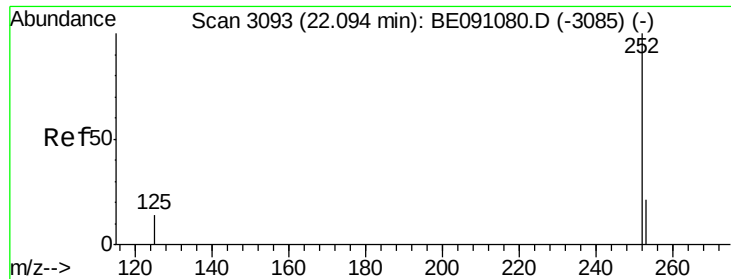
253 22.7 20.8 31.2

125 14.5 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: 0.56 ng/ul

RT: 22.03 min Scan# 3079

Delta R.T. -0.06 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

Instrument :

BNA_E

ClientSampleId :

C0AN8DL

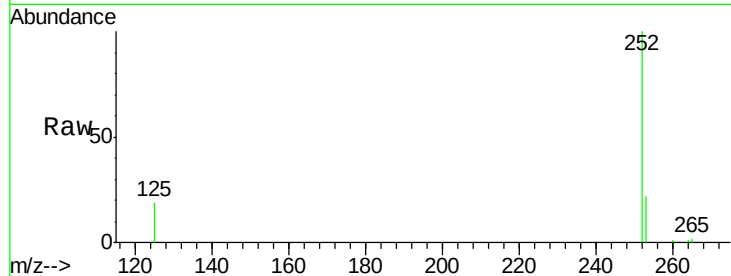
Tgt Ion:252 Resp: 46390

Ion Ratio Lower Upper

252 100

253 22.4 21.8 32.8

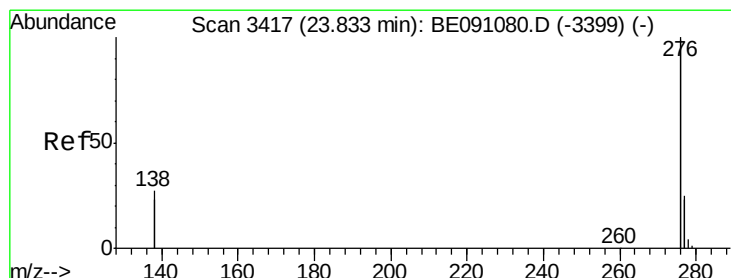
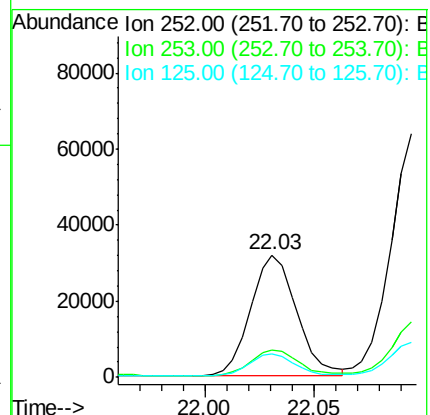
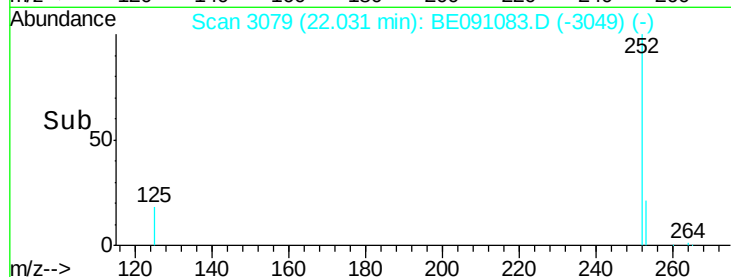
125 18.9 14.5 21.7



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: 0.52 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091083.D

Acq: 6 Nov 2015 10:29

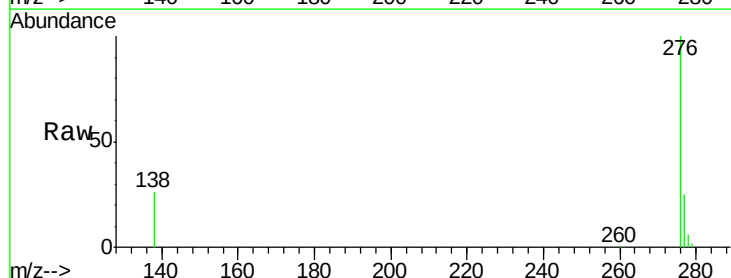
Tgt Ion:276 Resp: 180539

Ion Ratio Lower Upper

276 100

138 23.1 27.5 41.3#

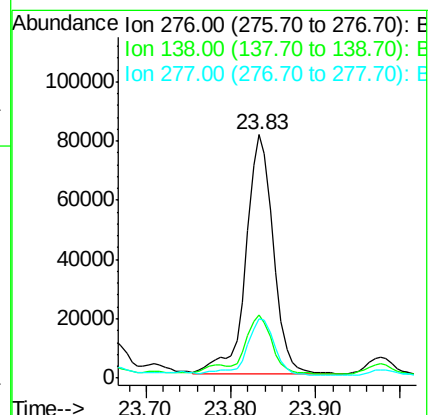
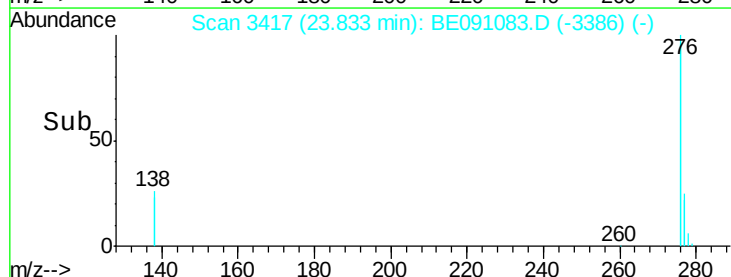
277 25.0 19.3 28.9

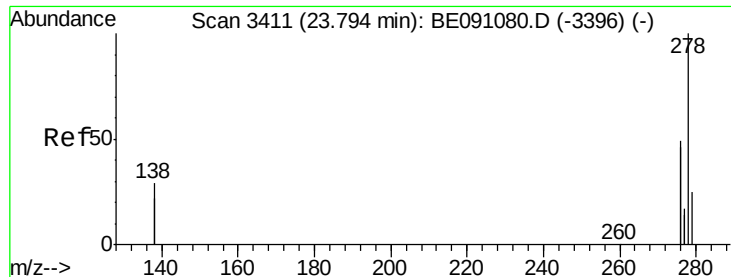


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

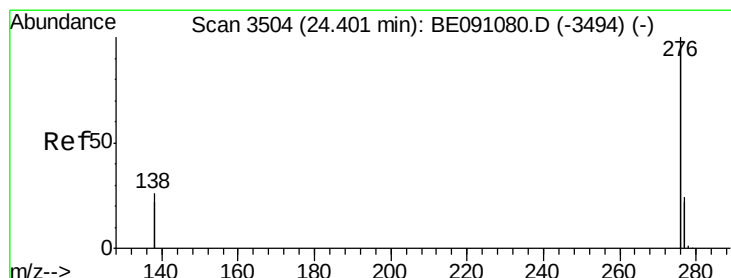
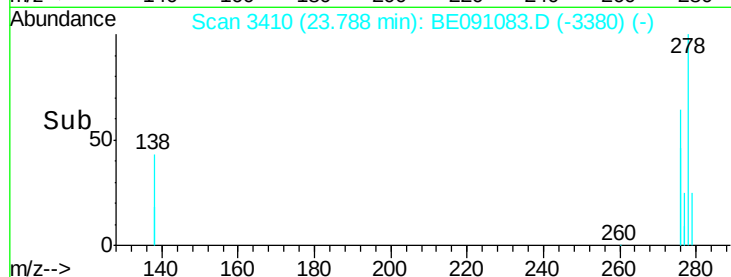
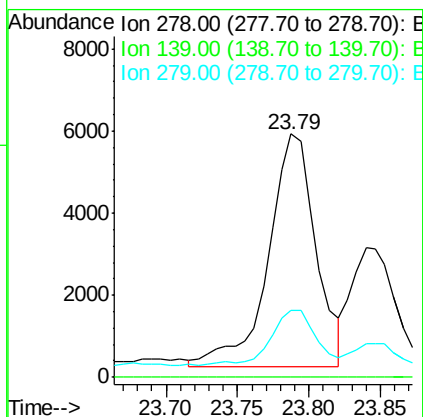
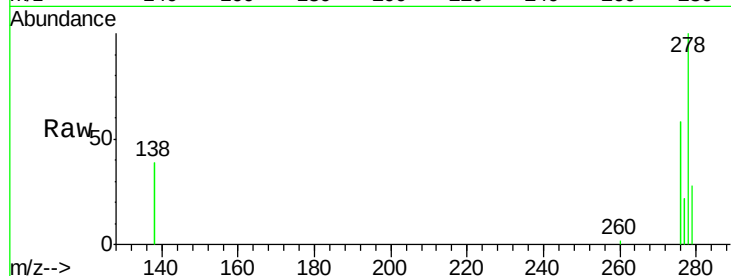




#27
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091083.D
Acq: 6 Nov 2015 10:29

Instrument :
BNA_E
ClientSampleId :
C0AN8DL

Tgt Ion: 278 Resp: 13147
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 27.6 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 0.42 ng/ul
RT: 24.40 min Scan# 3504
Delta R.T. -0.00 min
Lab File: BE091083.D
Acq: 6 Nov 2015 10:29

Tgt Ion: 276 Resp: 151978
Ion Ratio Lower Upper
276 100
277 24.4 21.3 31.9
138 26.7 25.5 38.3

