

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091082.D
 Acq On : 6 Nov 2015 9:47
 Operator : UM/NP
 Sample : G4273-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN7DL

Quant Time: Nov 09 05:52:19 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	6.89	152	3192	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17304	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	10238	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	24175	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	26996	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	27689	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.97	96	2497	1.09	ng/uL	0.02
6) 2-Methylnaphthalene-d10	11.08	152	936	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2830	0.04	ng/ul	0.00

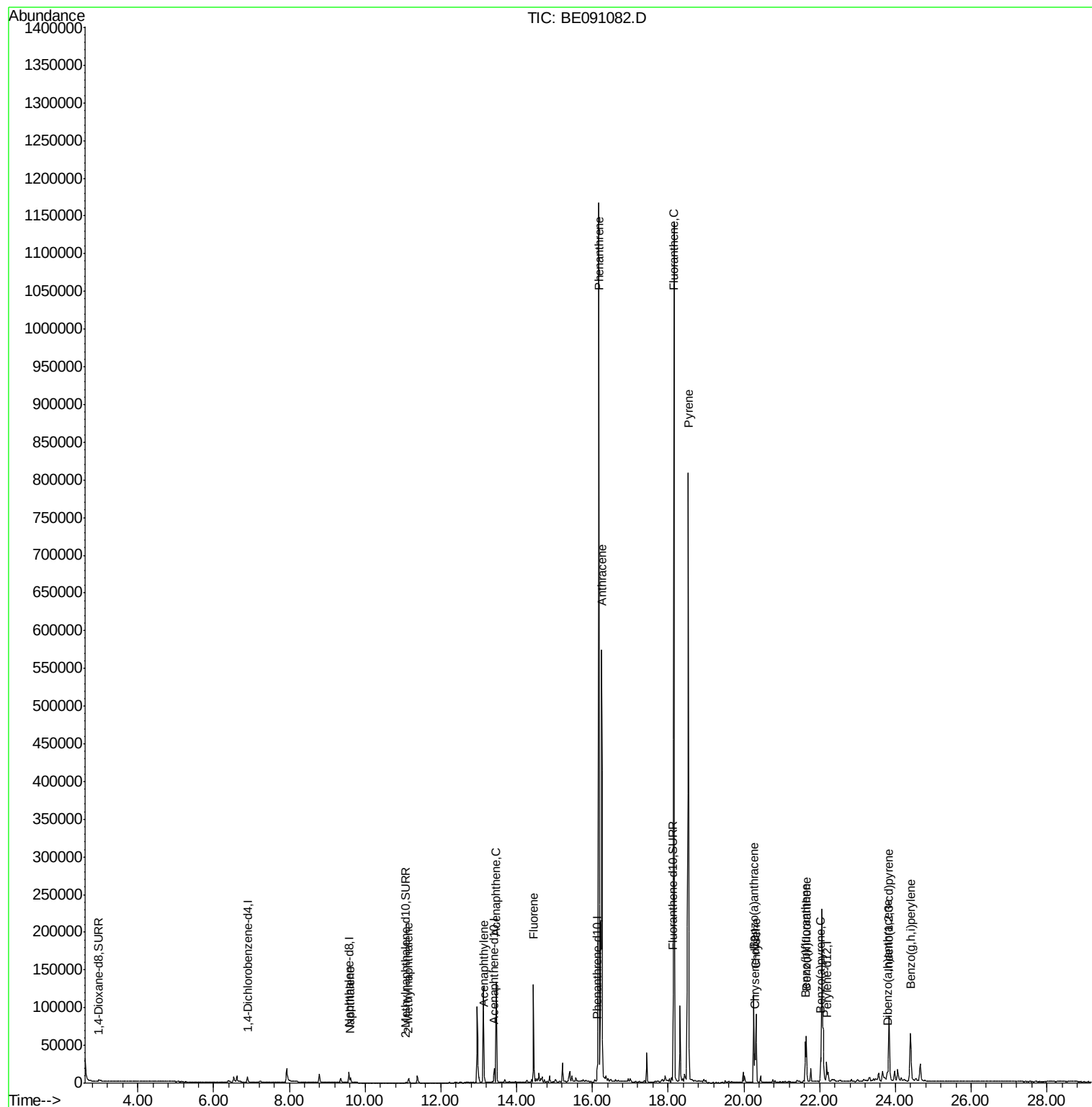
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	9.61	128	7773	0.18	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	5074	0.18	ng/ul	99
9) Acenaphthylene	13.14	152	6088	0.12	ng/ul	98
10) Acenaphthene	13.46	153	76061	2.17	ng/ul	94
11) Fluorene	14.45	166	83484	1.86	ng/ul	90
14) Phenanthrene	16.17	178	1170635	4.19	ng/ul	97
15) Anthracene	16.25	178	633293	2.49	ng/ul	99
17) Fluoranthene	18.15	202	1183143	3.62	ng/ul	88
19) Pyrene	18.54	202	828784	2.70	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	94018	1.36	ng/ul	97
21) Chrysene	20.32	228	80864	1.01	ng/ul	98
23) Benzo(b)fluoranthene	21.63	252	51810	0.60	ng/ul	93
24) Benzo(k)fluoranthene	21.65	252	57758	0.65	ng/ul	96
25) Benzo(a)pyrene	22.03	252	32388	0.41	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.83	276	130100	0.39	ng/ul#	87
27) Dibenzo(a,h)anthracene	23.79	278	9344	0.12	ng/ul#	74
28) Benzo(g,h,i)perylene	24.40	276	100333	0.29	ng/ul	95

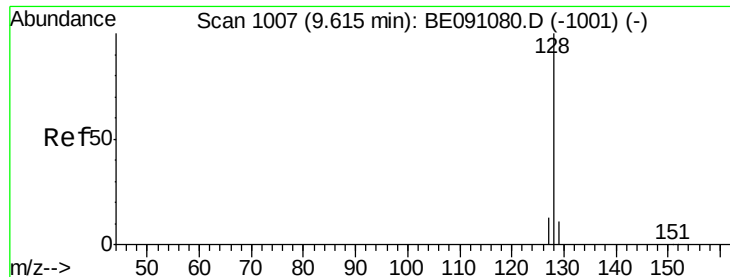
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.18 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

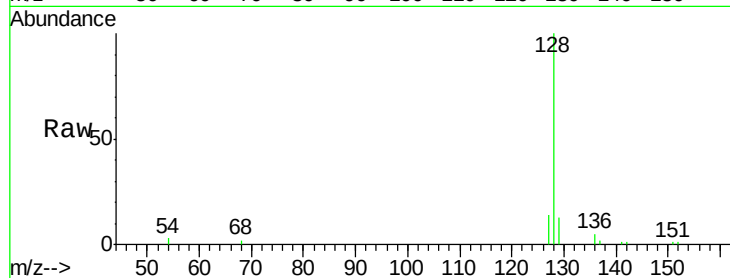
Tgt Ion:128 Resp: 7773

Ion Ratio Lower Upper

128 100

129 12.7 9.8 14.8

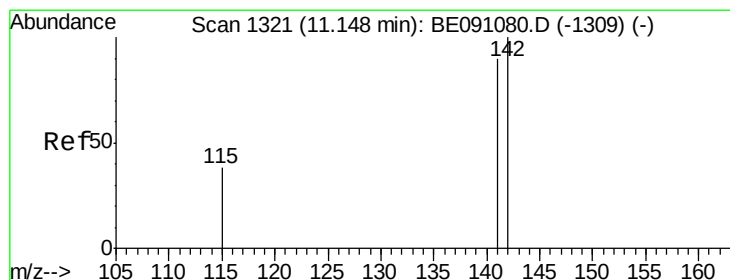
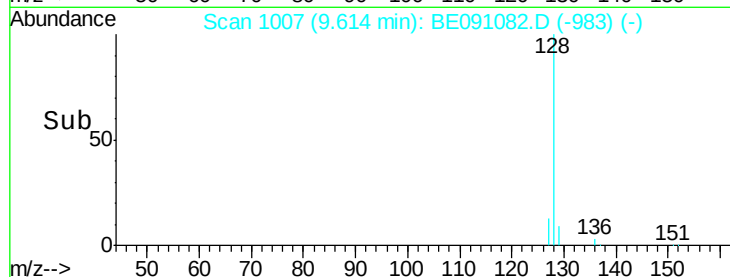
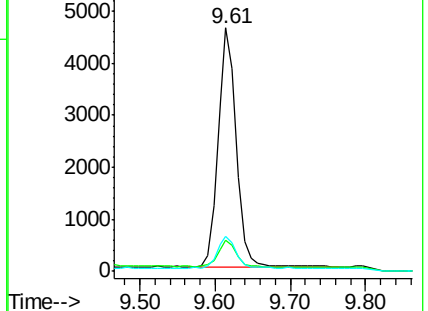
127 14.2 10.7 16.1



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: 0.18 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091082.D

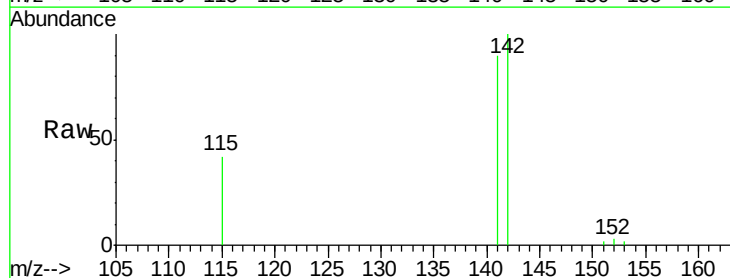
Acq: 6 Nov 2015 9:47

Tgt Ion:142 Resp: 5074

Ion Ratio Lower Upper

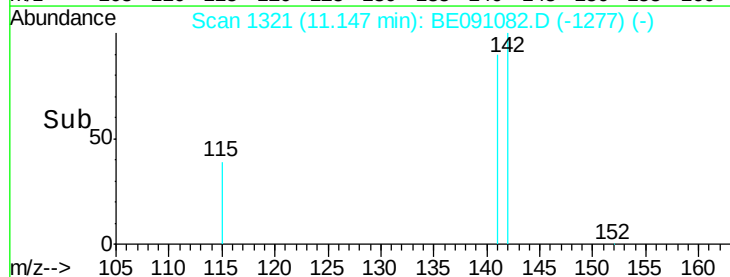
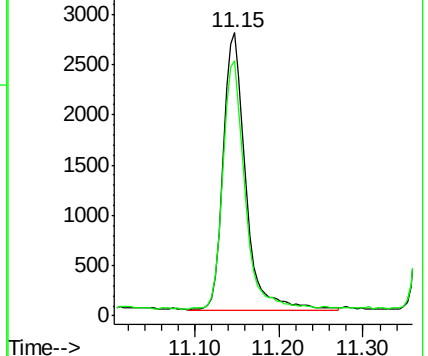
142 100

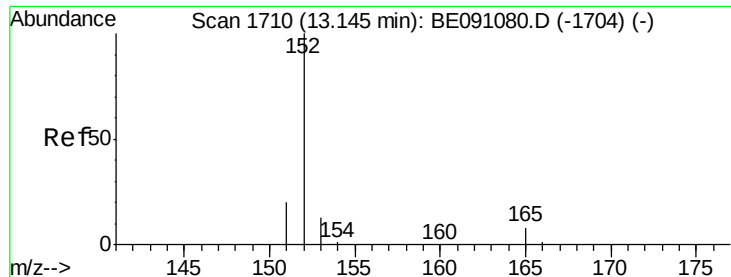
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

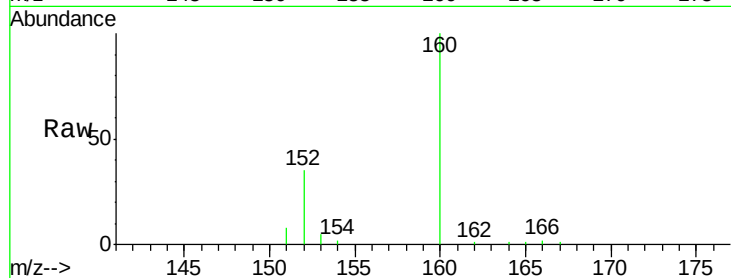
Tgt Ion:152 Resp: 6088

Ion Ratio Lower Upper

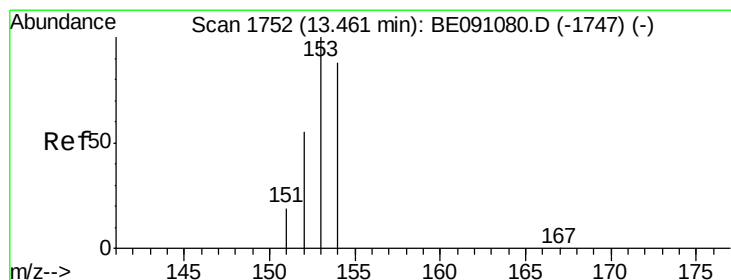
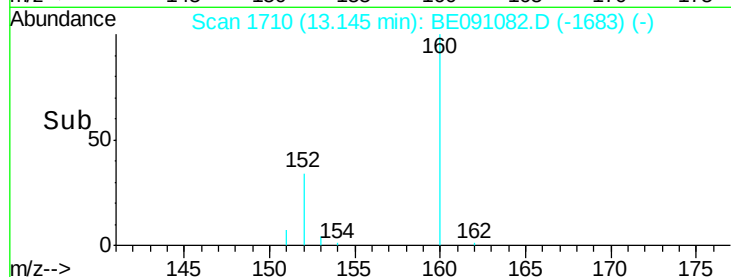
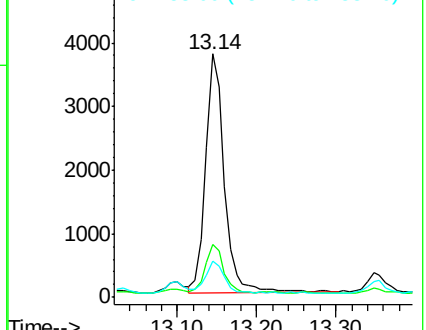
152 100

151 21.8 16.8 25.2

153 14.9 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: 2.17 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

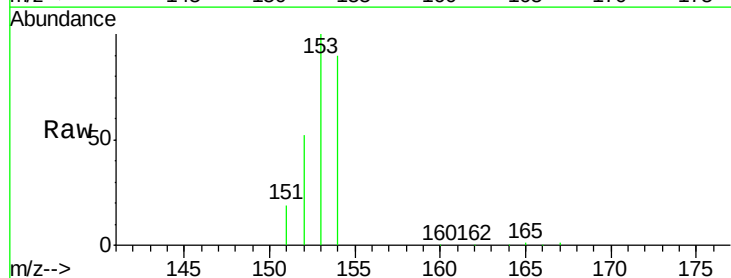
Tgt Ion:153 Resp: 76061

Ion Ratio Lower Upper

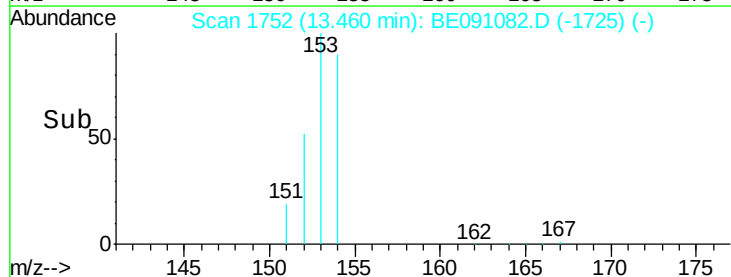
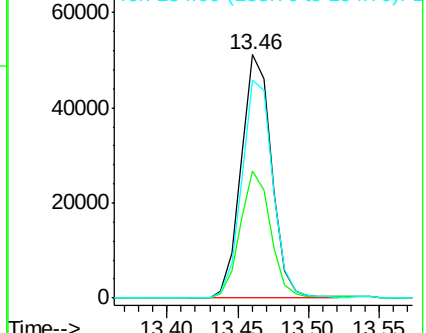
153 100

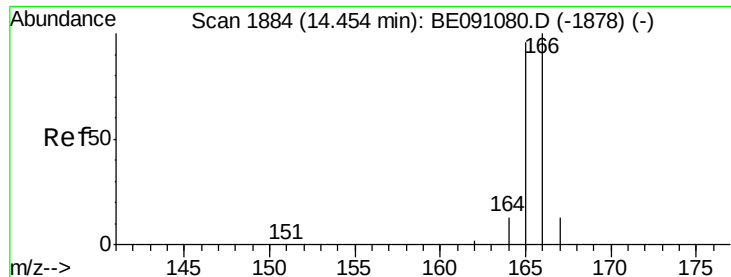
152 52.4 42.3 63.5

154 89.7 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: 1.86 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

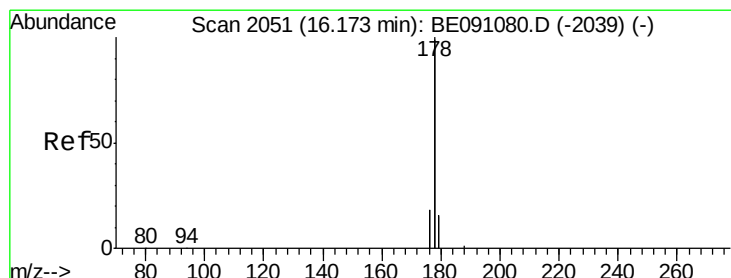
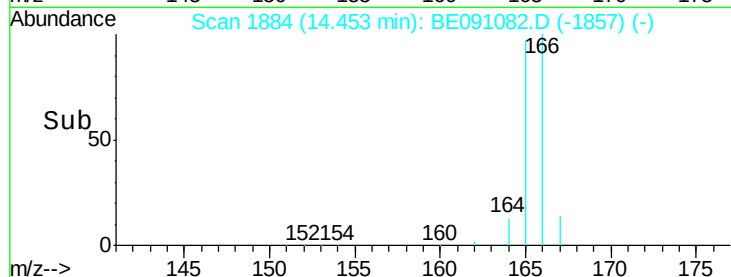
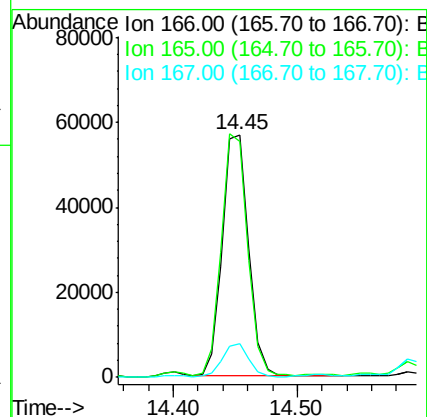
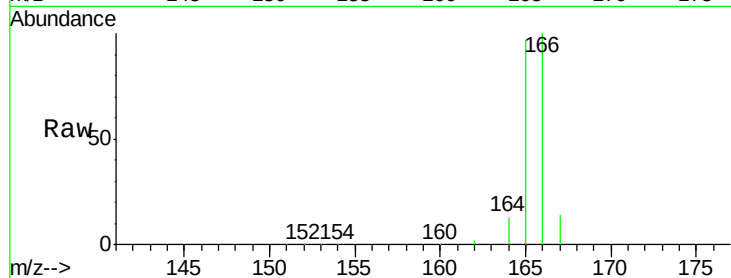
Tgt Ion:166 Resp: 83484

Ion Ratio Lower Upper

166 100

165 97.3 87.6 131.4

167 13.8 11.1 16.7



#14

Phenanthrene

Concen: 4.19 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

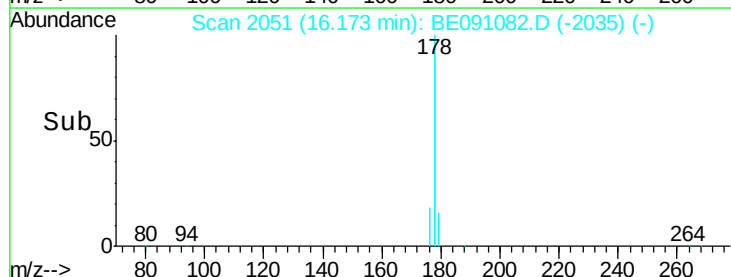
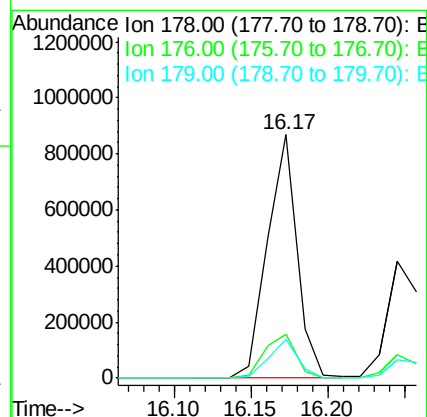
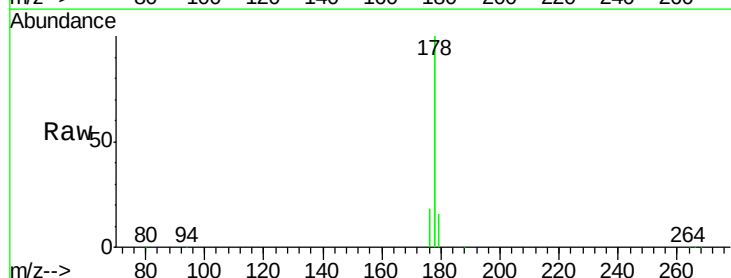
Tgt Ion:178 Resp: 1170635

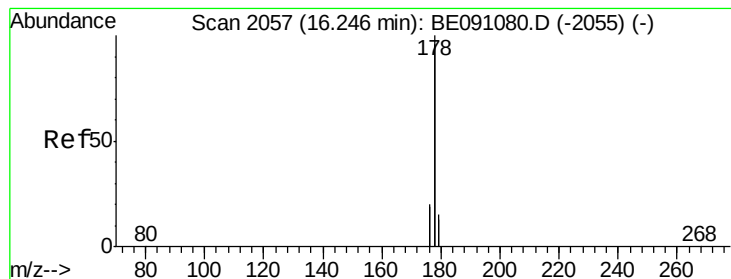
Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

179 16.1 12.8 19.2





#15

Anthracene

Concen: 2.49 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

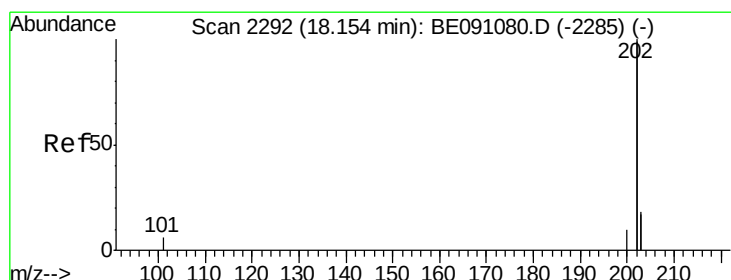
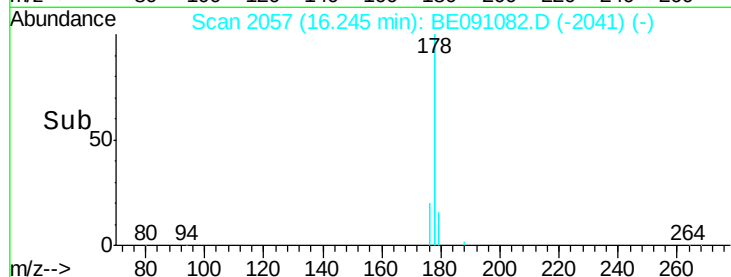
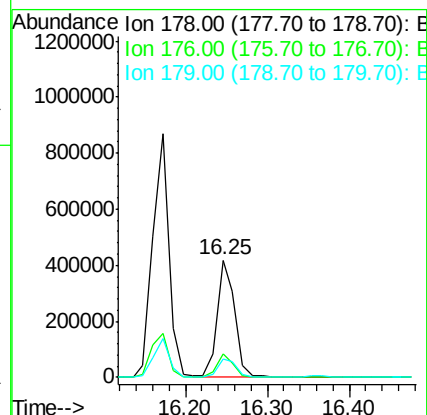
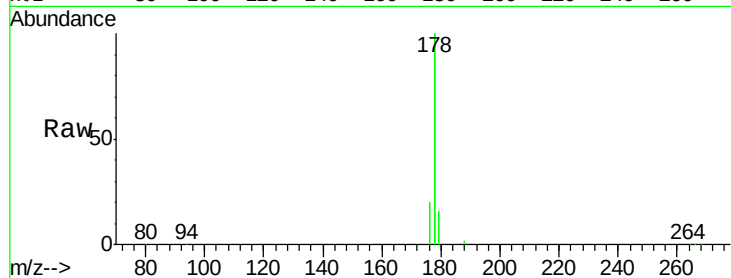
Tgt Ion:178 Resp: 633293

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 15.7 13.3 19.9



#17

Fluoranthene

Concen: 3.62 ng/ul

RT: 18.15 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

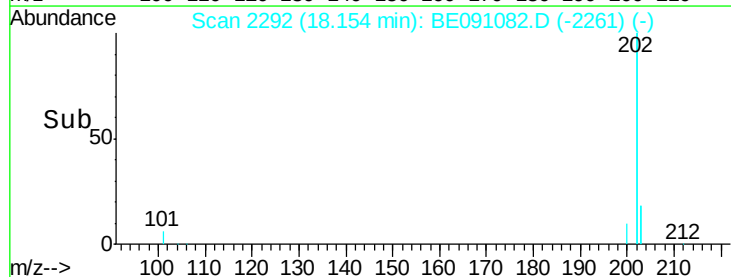
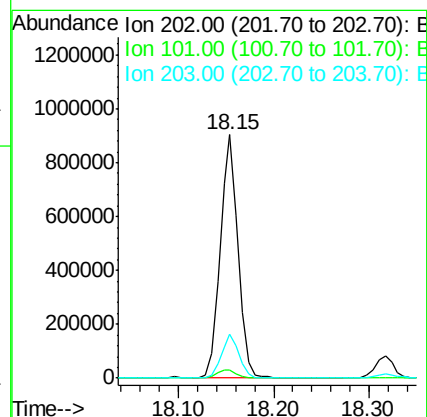
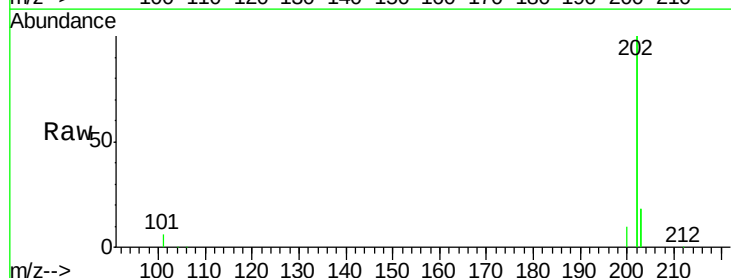
Tgt Ion:202 Resp: 1183143

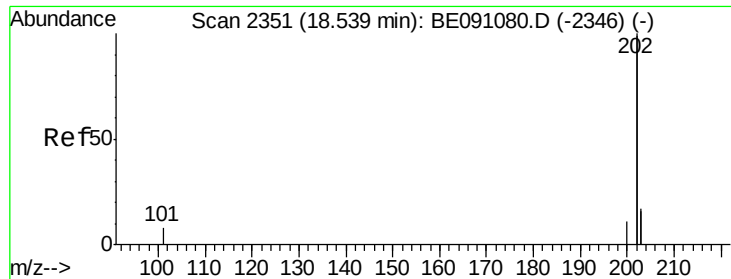
Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

203 17.8 0.0 37.2





#19

Pyrene

Concen: 2.70 ng/ul

RT: 18.54 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

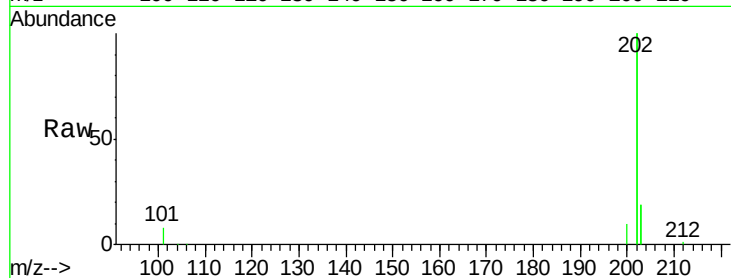
Tgt Ion:202 Resp: 828784

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 19.1 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

800000

600000

400000

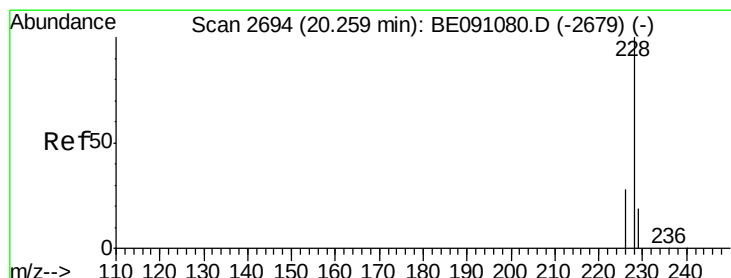
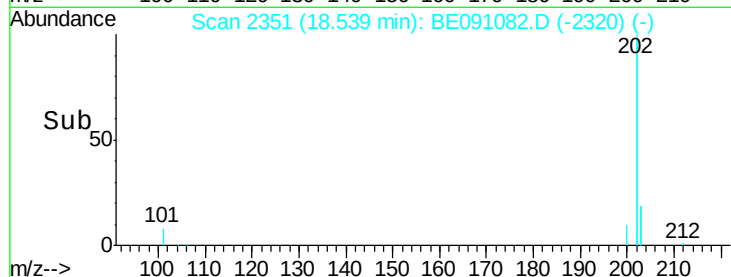
200000

0

18.54

18.50 18.60 18.70

Time-->



#20

Benzo(a)anthracene

Concen: 1.36 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

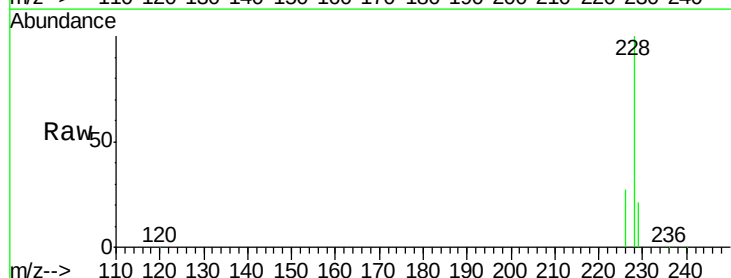
Tgt Ion:228 Resp: 94018

Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

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

100000

80000

60000

40000

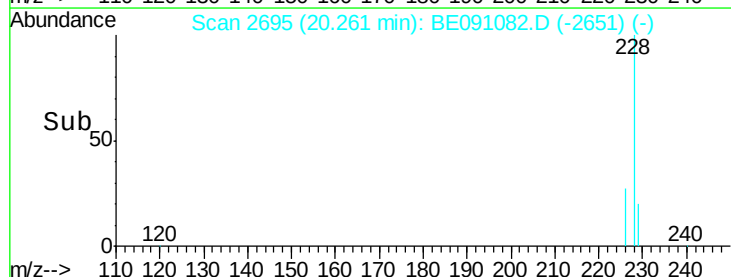
20000

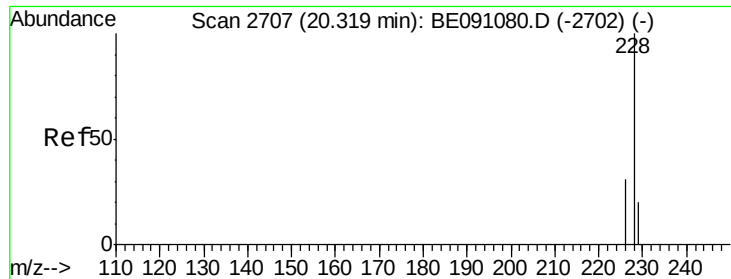
0

20.26

20.15 20.20 20.25 20.30

Time-->





#21

Chrysene

Concen: 1.01 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

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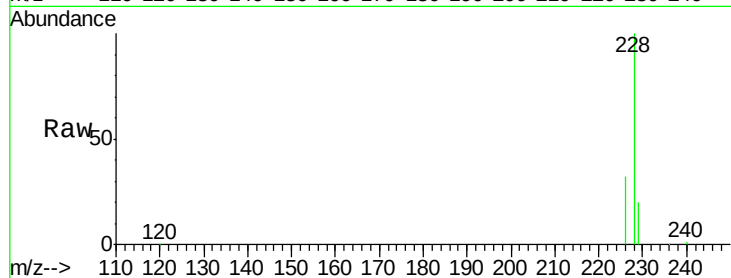
Tgt Ion:228 Resp: 80864

Ion Ratio Lower Upper

228 100

226 31.6 25.7 38.5

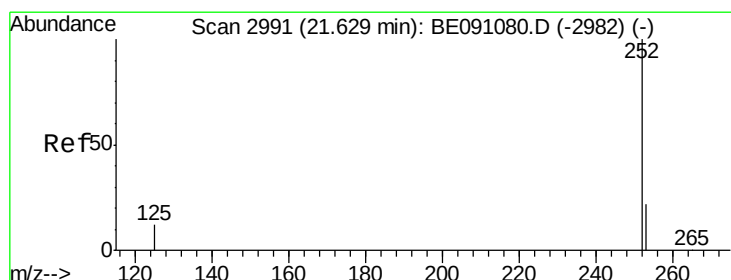
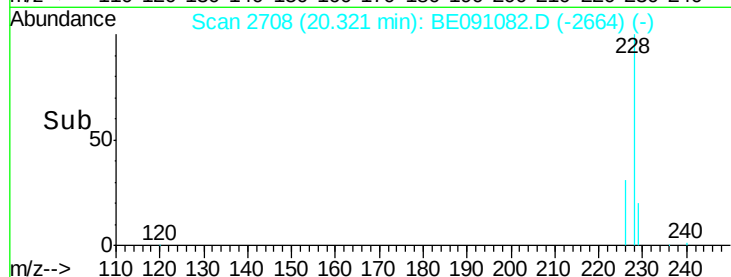
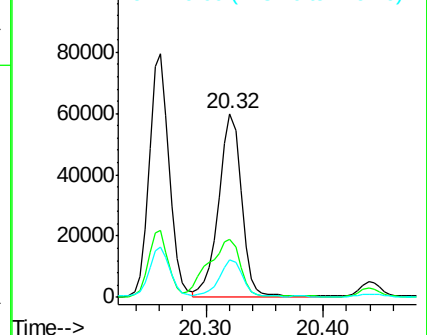
229 20.4 15.2 22.8



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: 0.60 ng/ul

RT: 21.63 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

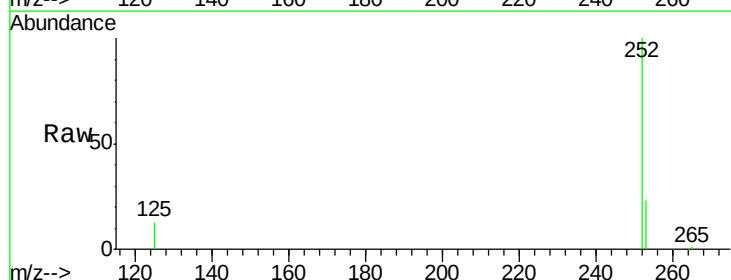
Tgt Ion:252 Resp: 51810

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

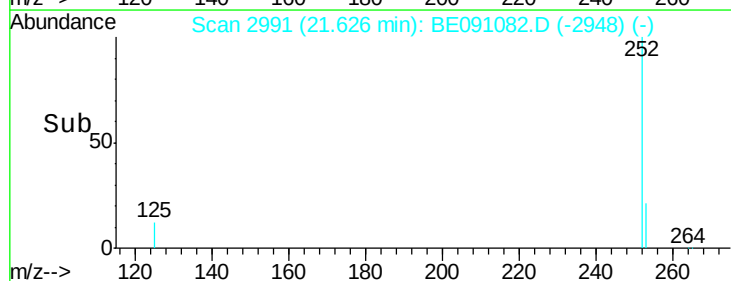
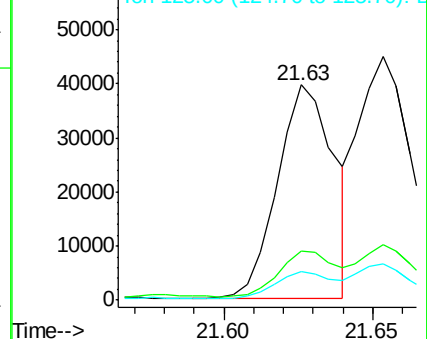
125 13.0 0.0 36.6

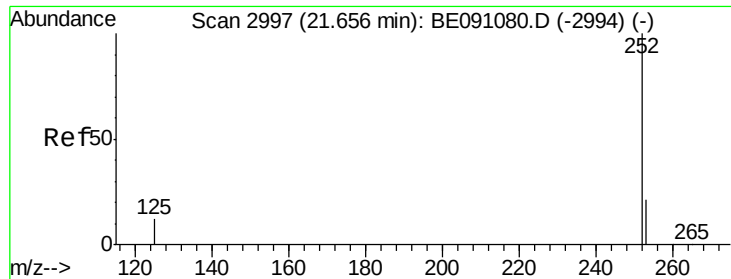


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.65 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

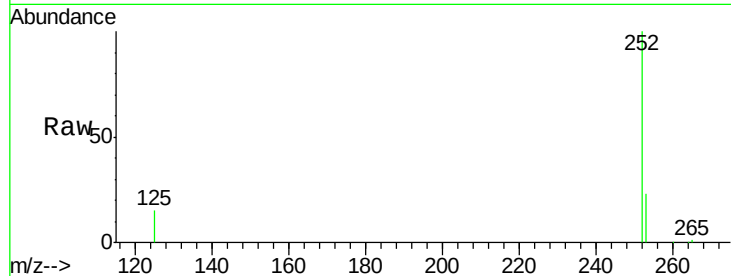
Tgt Ion:252 Resp: 57758

Ion Ratio Lower Upper

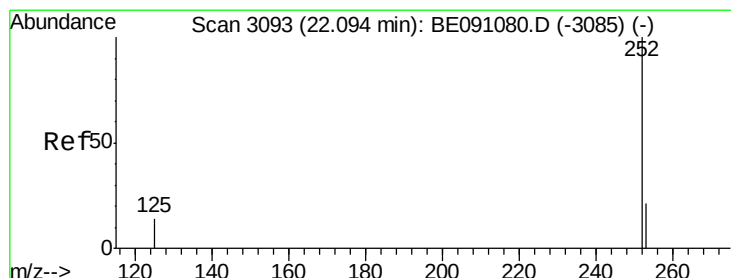
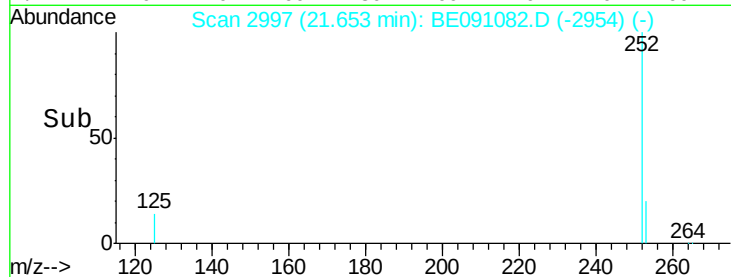
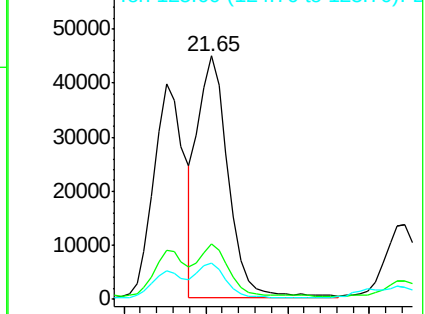
252 100

253 22.9 20.8 31.2

125 14.9 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: 0.41 ng/ul

RT: 22.03 min Scan# 3080

Delta R.T. -0.06 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

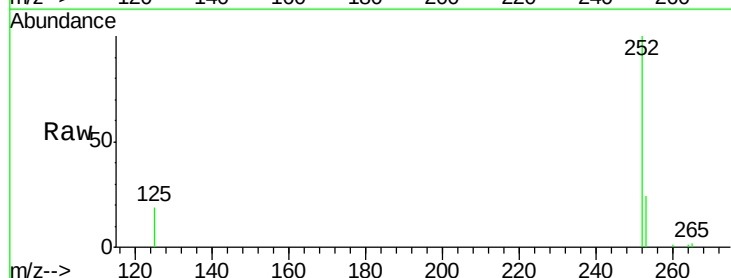
Tgt Ion:252 Resp: 32388

Ion Ratio Lower Upper

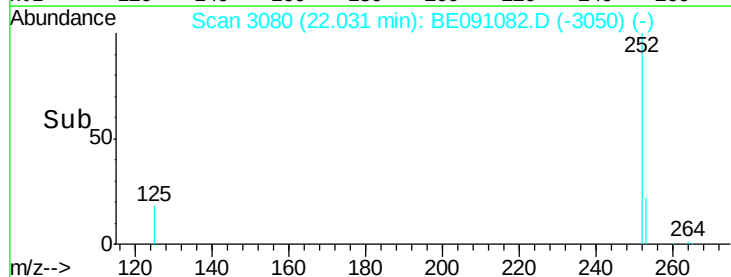
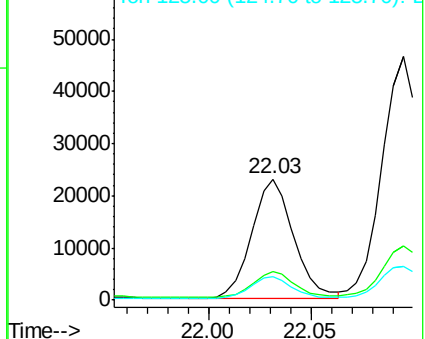
252 100

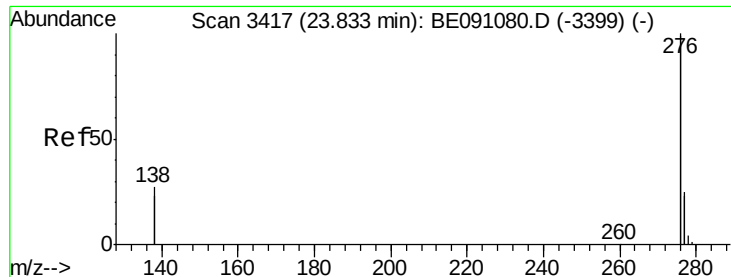
253 23.9 21.8 32.8

125 19.2 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: 0.39 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL

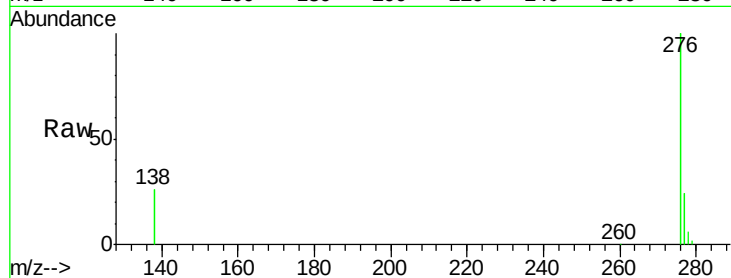
Tgt Ion:276 Resp: 130100

Ion Ratio Lower Upper

276 100

138 22.5 27.5 41.3#

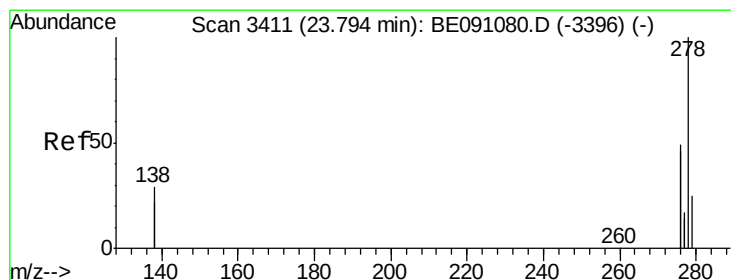
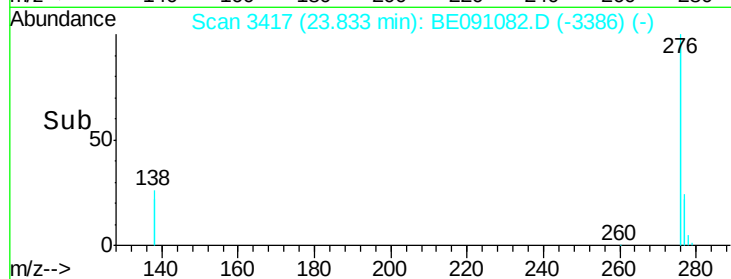
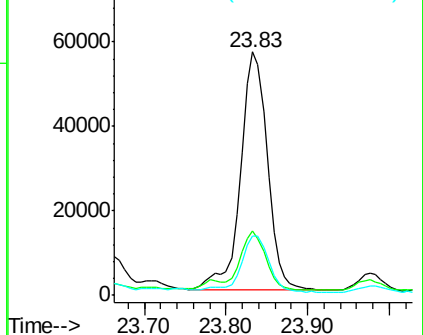
277 24.8 19.3 28.9



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# 3410

Delta R.T. -0.01 min

Lab File: BE091082.D

Acq: 6 Nov 2015 9:47

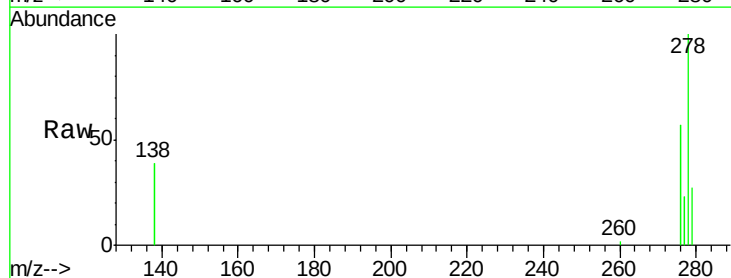
Tgt Ion:278 Resp: 9344

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

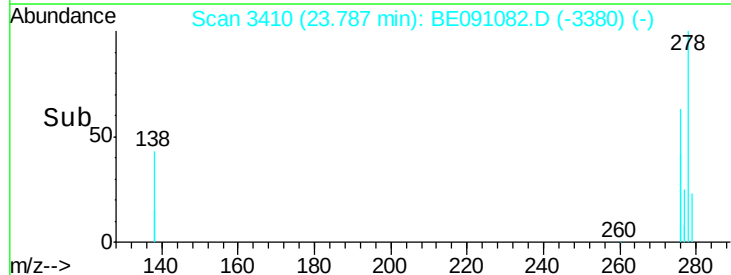
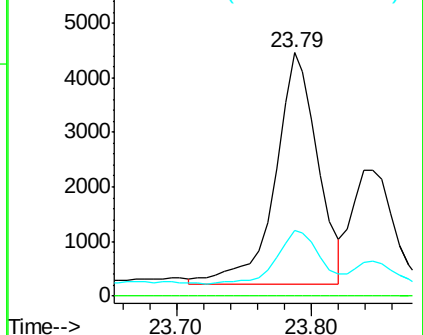
279 27.0 21.9 32.9

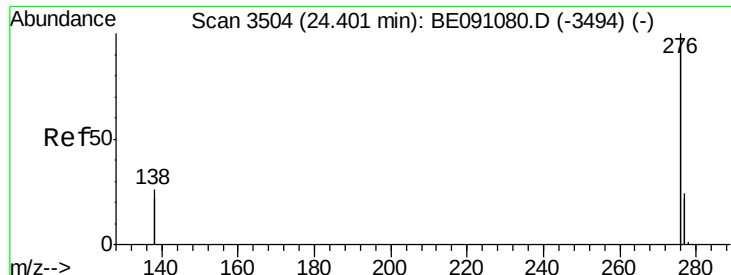


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.29 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BE091082.D

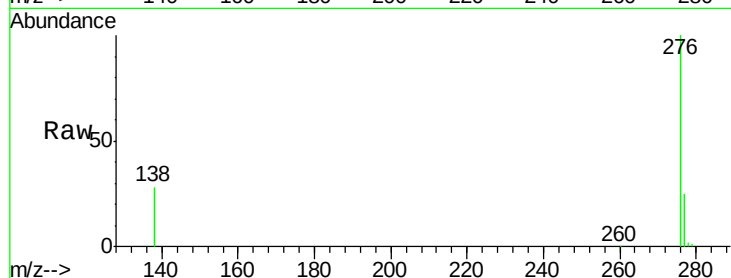
Acq: 6 Nov 2015 9:47

Instrument :

BNA_E

ClientSampleId :

C0AN7DL



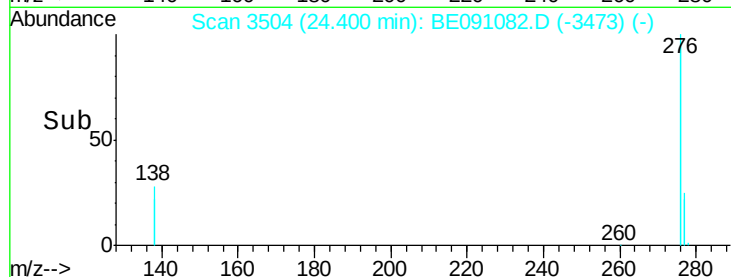
Tgt Ion: 276 Resp: 100333

Ion Ratio Lower Upper

276 100

277 25.4 21.3 31.9

138 27.6 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

