

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091090.D
 Acq On : 6 Nov 2015 14:46
 Operator : UM/NP
 Sample : G4273-10DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP6DL

Quant Time: Nov 09 05:54:36 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	3006	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16867	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	9679	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	23096	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	25406	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25318	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.98	96	2297	1.06	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	875	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2592	0.04	ng/ul	0.00

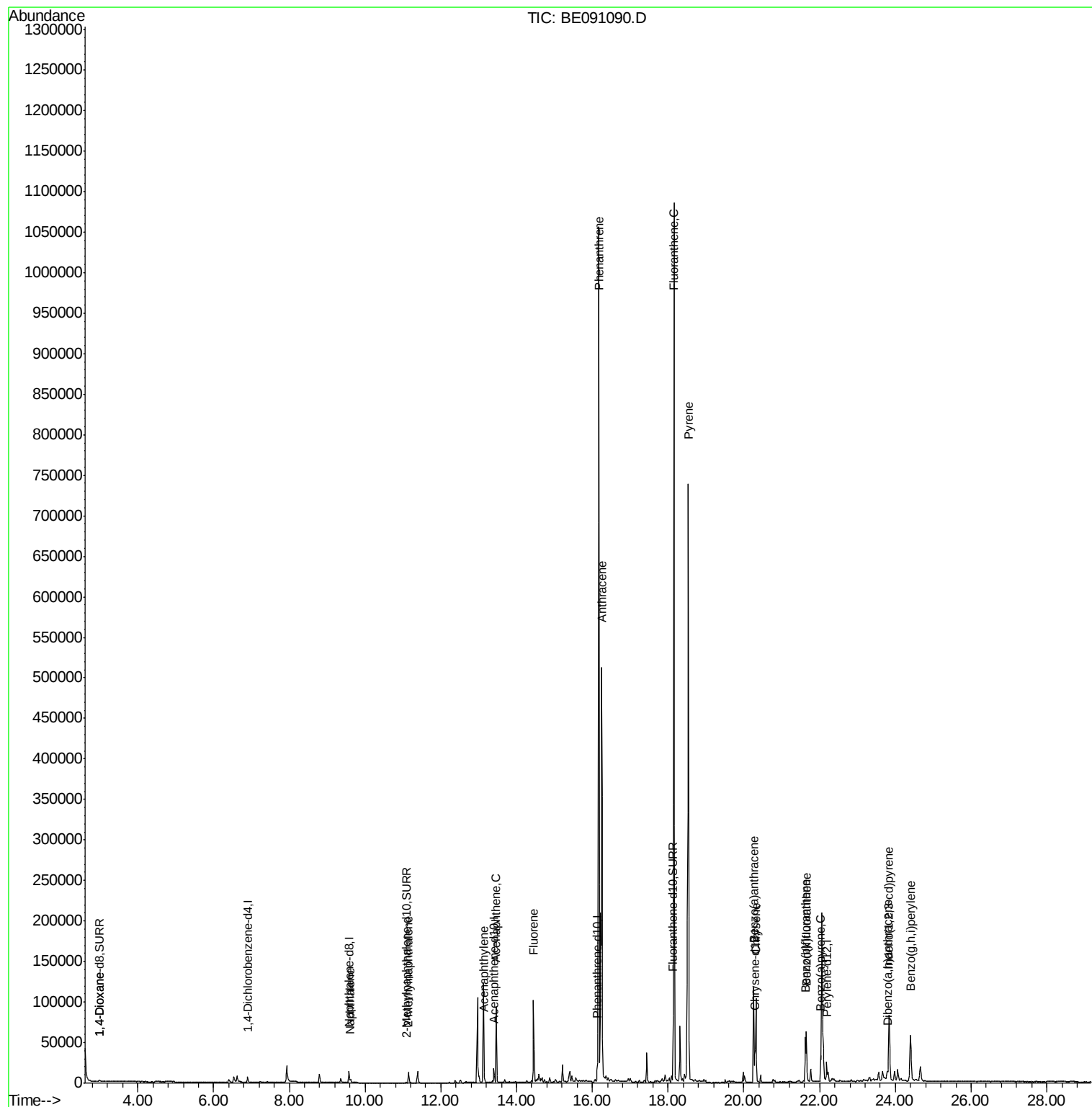
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.99	88	210	0.09	ng/ul#	34
5) Naphthalene	9.62	128	5389	0.13	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	10706	0.40	ng/ul	99
9) Acenaphthylene	13.15	152	5844	0.12	ng/ul	98
10) Acenaphthene	13.46	153	50346	1.52	ng/ul	94
11) Fluorene	14.45	166	62335	1.47	ng/ul	92
14) Phenanthrene	16.17	178	1112195	4.17	ng/ul	97
15) Anthracene	16.25	178	560393	2.31	ng/ul	98
17) Fluoranthene	18.15	202	1105764	3.54	ng/ul	89
19) Pyrene	18.54	202	759228	2.63	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	91767	1.41	ng/ul	97
21) Chrysene	20.32	228	91660	1.22	ng/ul	99
23) Benzo(b)fluoranthene	21.62	252	54012	0.68	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	60576	0.75	ng/ul	95
25) Benzo(a)pyrene	22.03	252	32371	0.44	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.83	276	122336	0.40	ng/ul#	88
27) Dibenzo(a,h)anthracene	23.79	278	9478	0.13	ng/ul#	73
28) Benzo(g,h,i)perylene	24.40	276	91944	0.29	ng/ul	95

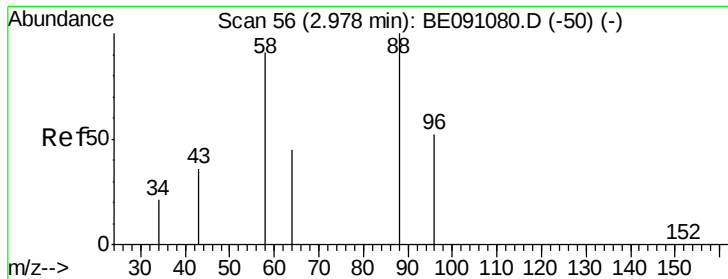
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.09 ng/ul

RT: 2.99 min Scan# 58

Delta R.T. 0.01 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

C0AP6DL

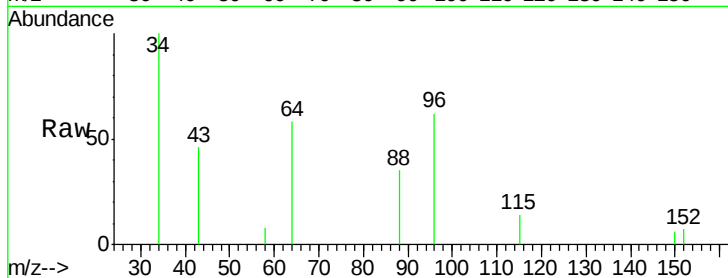
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

43 17.6 24.2 36.2#

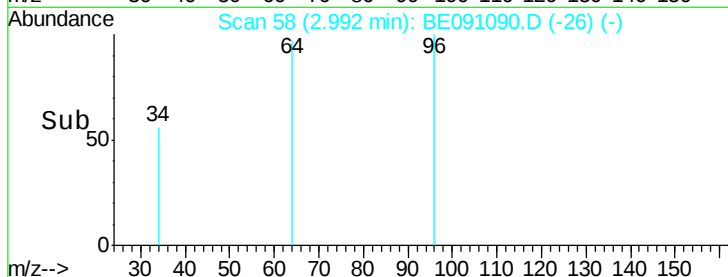


Abundance Ion 88.00 (87.70 to 88.70): BE091080.D (-50) (-)

Ion 58.00 (57.70 to 58.70): BE091080.D (-50) (-)

Ion 43.00 (42.70 to 43.70): BE091080.D (-50) (-)

Time-->

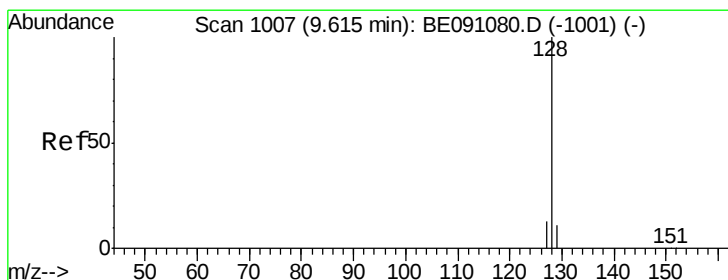


Abundance Ion 88.00 (87.70 to 88.70): BE091090.D (-26) (-)

Ion 58.00 (57.70 to 58.70): BE091090.D (-26) (-)

Ion 43.00 (42.70 to 43.70): BE091090.D (-26) (-)

Time-->



#5

Naphthalene

Concen: 0.13 ng/ul

RT: 9.62 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

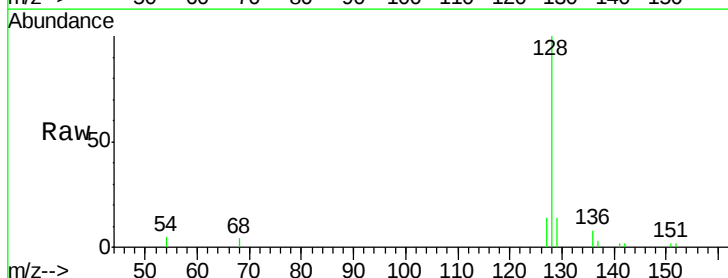
Tgt Ion: 128 Resp: 5389

Ion Ratio Lower Upper

128 100

129 13.6 9.8 14.8

127 14.0 10.7 16.1

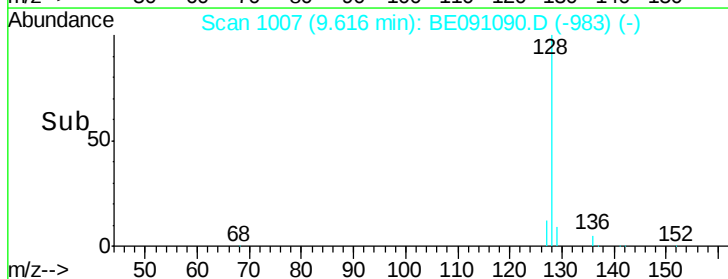


Abundance Ion 128.00 (127.70 to 128.70): BE091080.D (-1001) (-)

Ion 129.00 (128.70 to 129.70): BE091080.D (-1001) (-)

Ion 127.00 (126.70 to 127.70): BE091080.D (-1001) (-)

Time-->

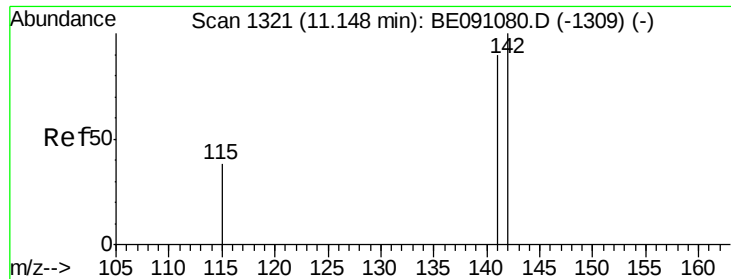


Abundance Ion 128.00 (127.70 to 128.70): BE091090.D (-983) (-)

Ion 129.00 (128.70 to 129.70): BE091090.D (-983) (-)

Ion 127.00 (126.70 to 127.70): BE091090.D (-983) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

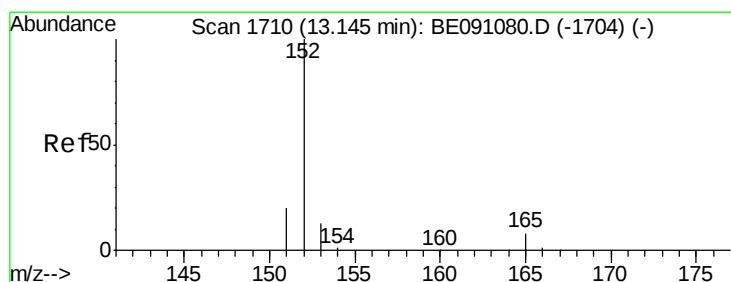
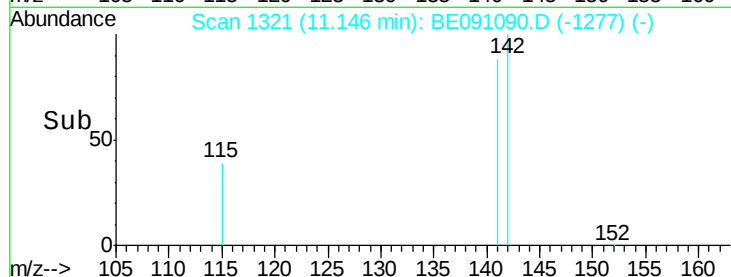
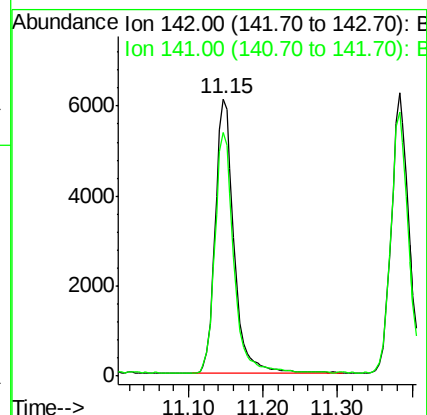
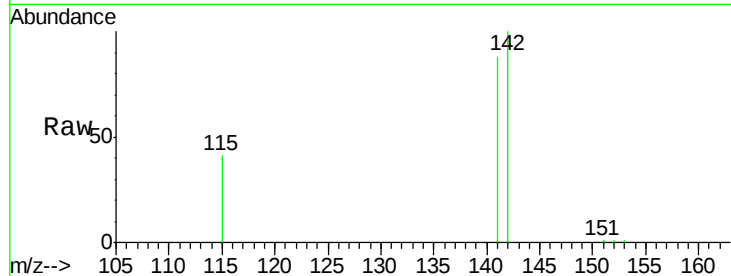
C0AP6DL

Tgt Ion:142 Resp: 10706

Ion Ratio Lower Upper

142 100

141 88.7 70.3 105.5



#9

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

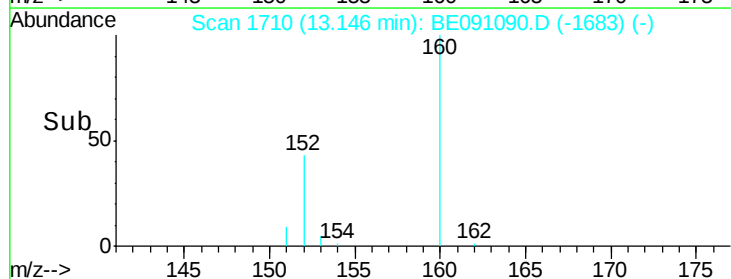
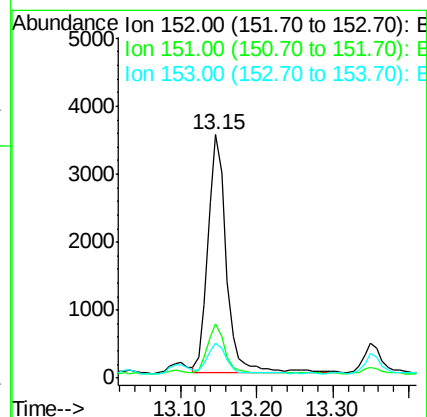
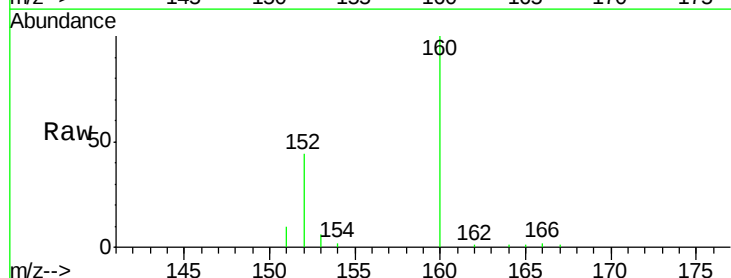
Tgt Ion:152 Resp: 5844

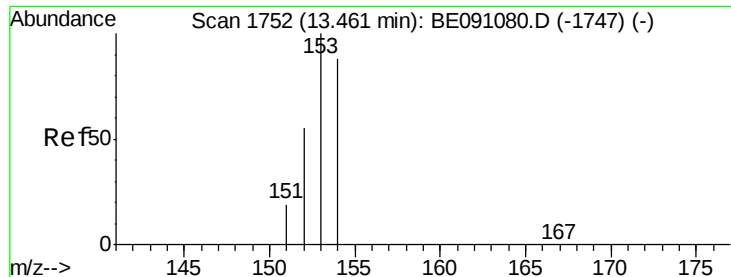
Ion Ratio Lower Upper

152 100

151 22.2 16.8 25.2

153 14.2 11.3 16.9





#10

Acenaphthene

Concen: 1.52 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

C0AP6DL

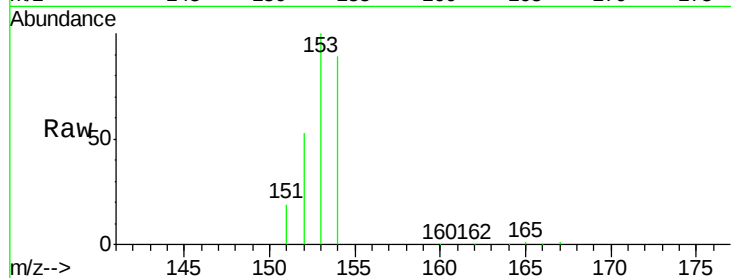
Tgt Ion:153 Resp: 50346

Ion Ratio Lower Upper

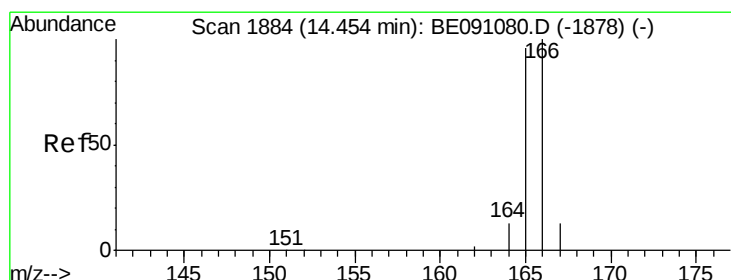
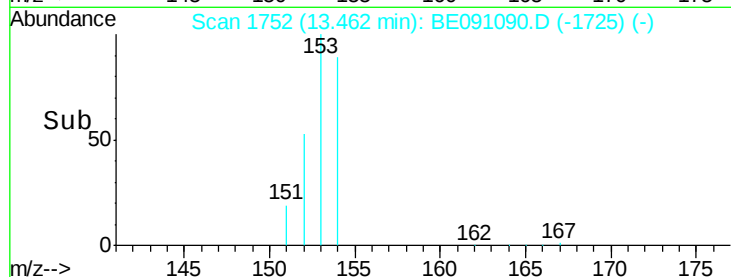
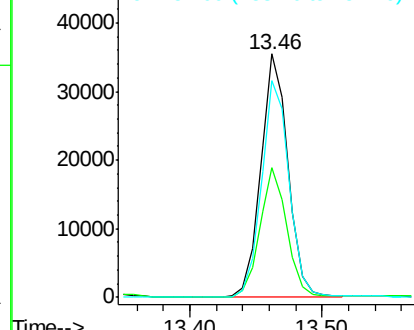
153 100

152 53.3 42.3 63.5

154 88.9 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: 1.47 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

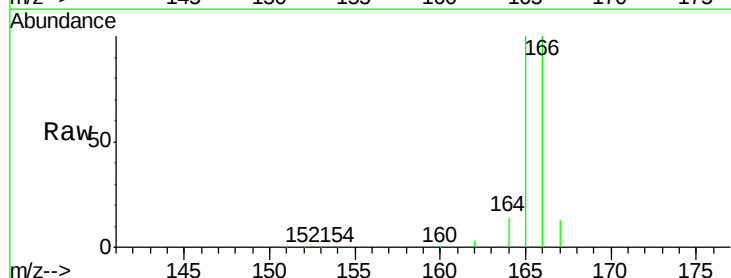
Tgt Ion:166 Resp: 62335

Ion Ratio Lower Upper

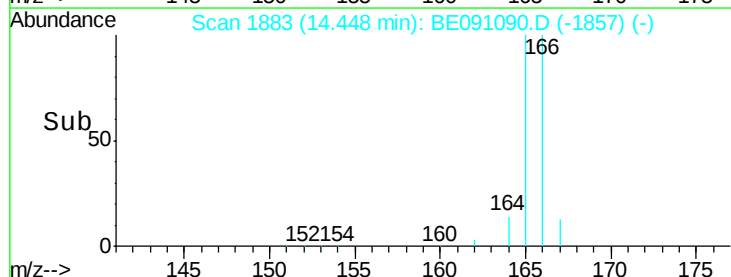
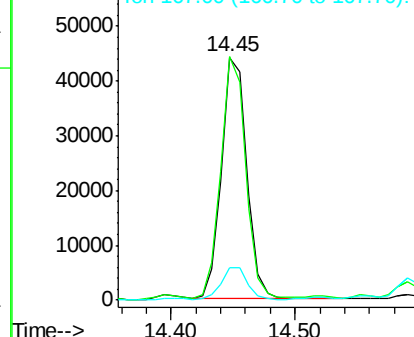
166 100

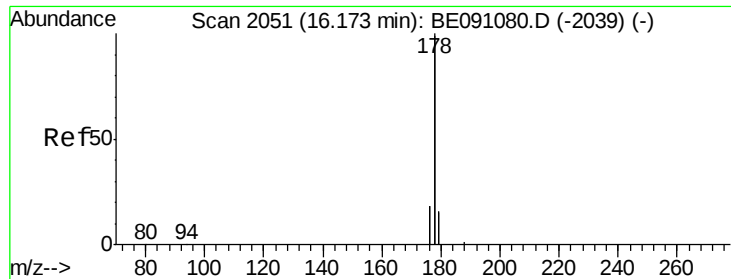
165 100.3 87.6 131.4

167 13.3 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: 4.17 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

C0AP6DL

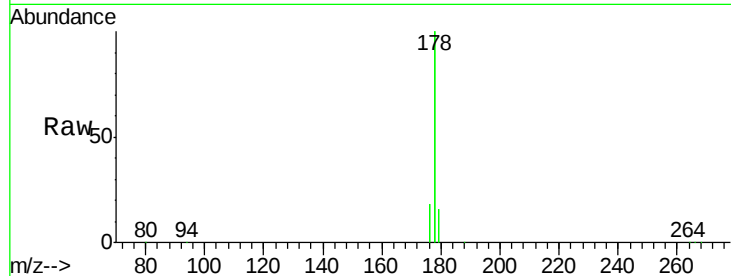
Tgt Ion:178 Resp: 1112195

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.4

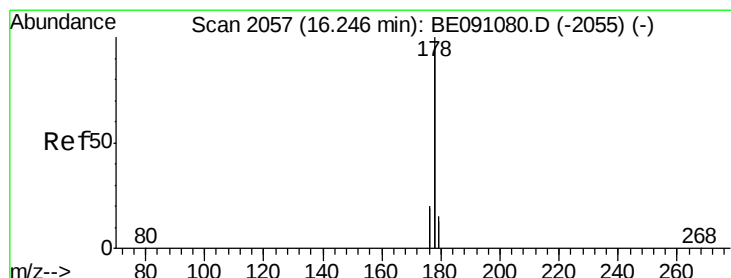
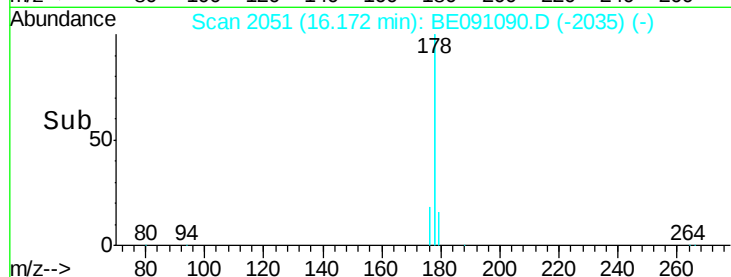
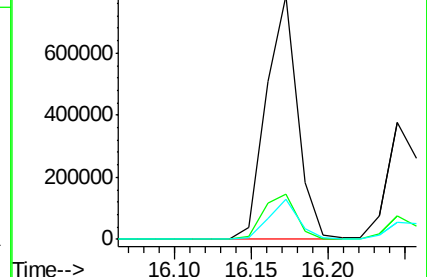
179 16.2 12.8 19.2



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: 2.31 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

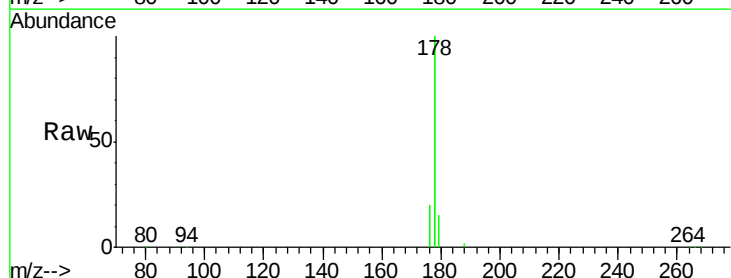
Tgt Ion:178 Resp: 560393

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

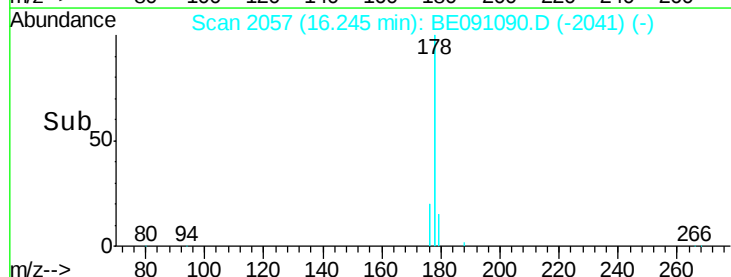
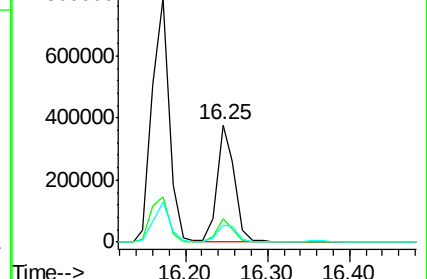
179 15.1 13.3 19.9

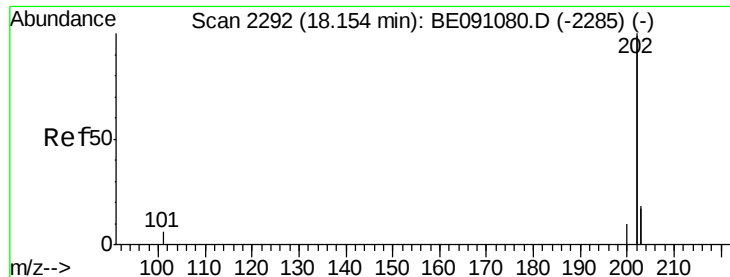


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

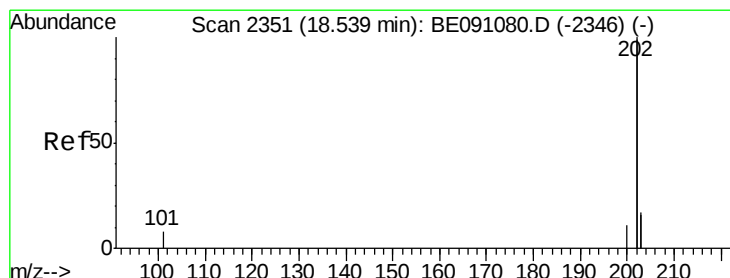
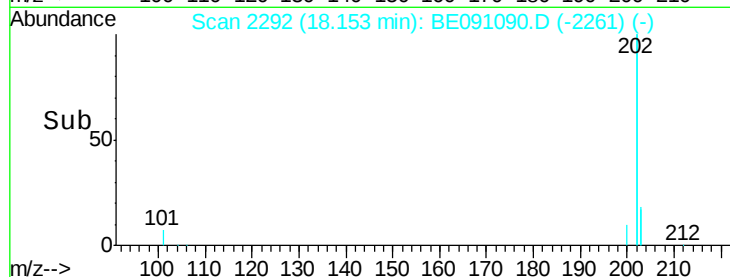
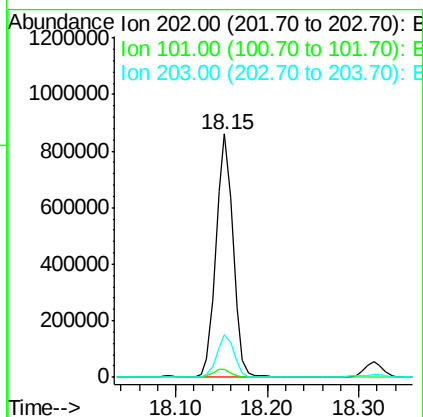
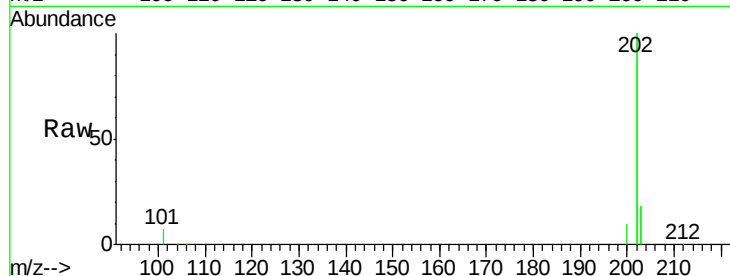




#17
Fluoranthene
 Concen: 3.54 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BE091090.D
 Acq: 6 Nov 2015 14:46

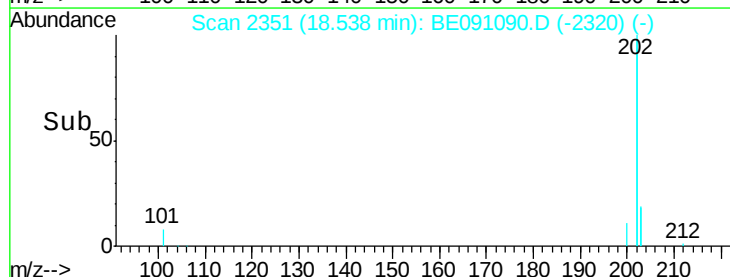
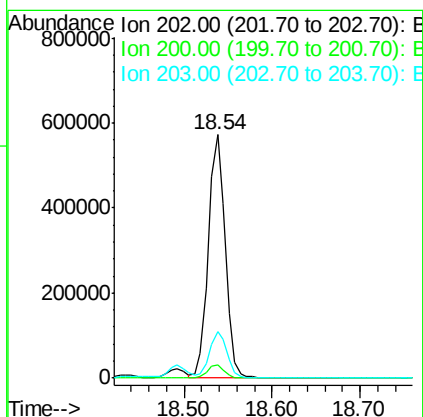
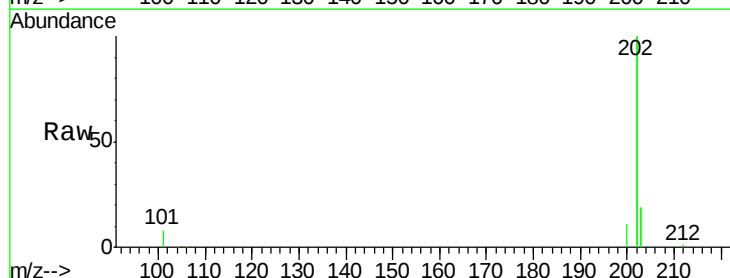
Instrument :
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 C0AP6DL

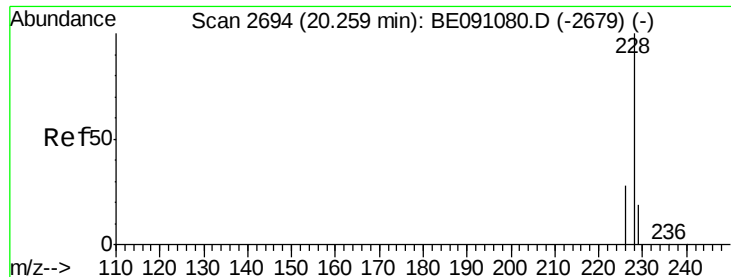
Tgt Ion:202 Resp: 1105764
 Ion Ratio Lower Upper
 202 100
 101 3.4 0.0 33.1
 203 17.5 0.0 37.2



#19
Pyrene
 Concen: 2.63 ng/ul
 RT: 18.54 min Scan# 2351
 Delta R.T. -0.00 min
 Lab File: BE091090.D
 Acq: 6 Nov 2015 14:46

Tgt Ion:202 Resp: 759228
 Ion Ratio Lower Upper
 202 100
 200 5.4 18.0 27.0#
 203 19.0 13.8 20.6





#20

Benzo(a)anthracene

Concen: 1.41 ng/ul

RT: 20.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

C0AP6DL

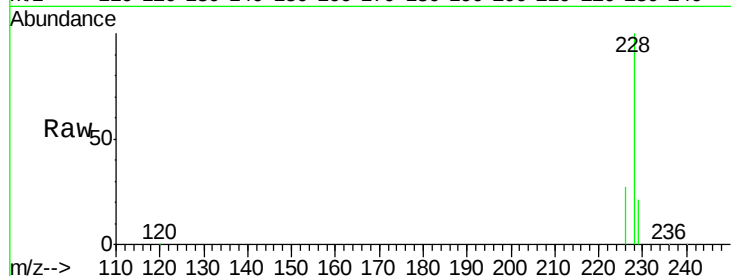
Tgt Ion:228 Resp: 91767

Ion Ratio Lower Upper

228 100

226 27.1 23.0 34.4

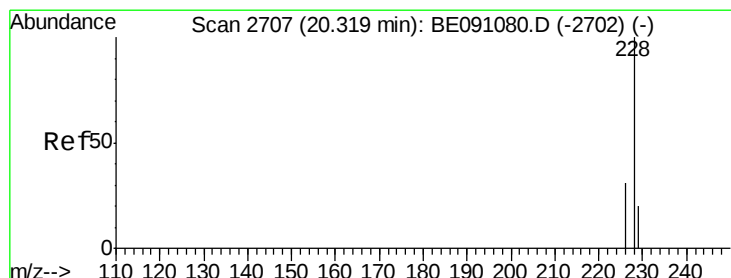
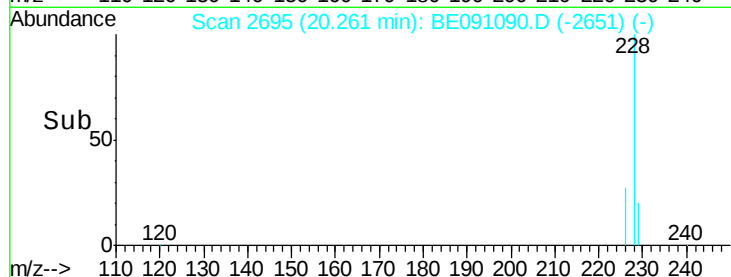
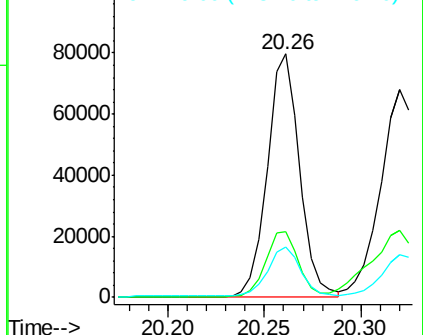
229 20.9 15.2 22.8



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: 1.22 ng/ul

RT: 20.32 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

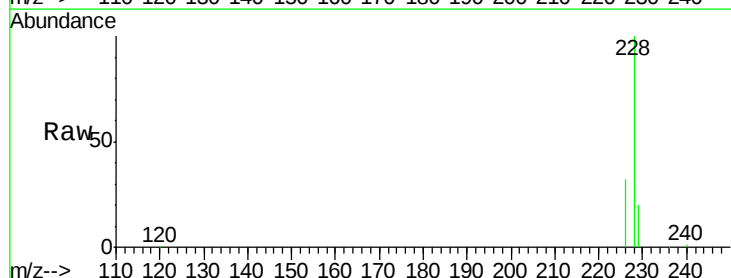
Tgt Ion:228 Resp: 91660

Ion Ratio Lower Upper

228 100

226 32.0 25.7 38.5

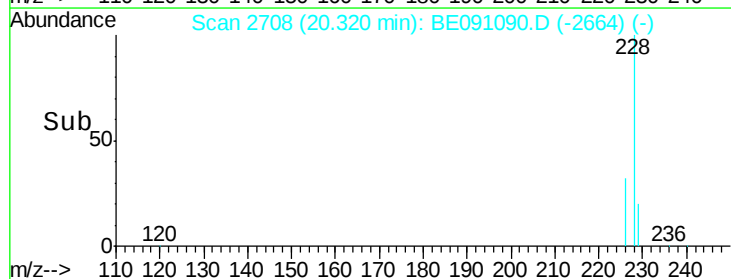
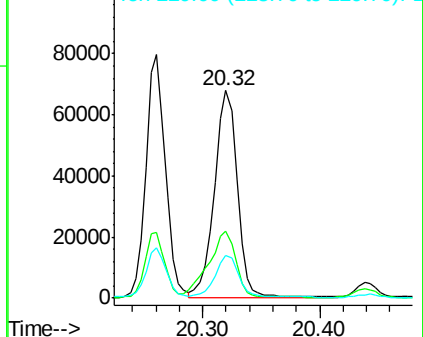
229 20.4 15.2 22.8

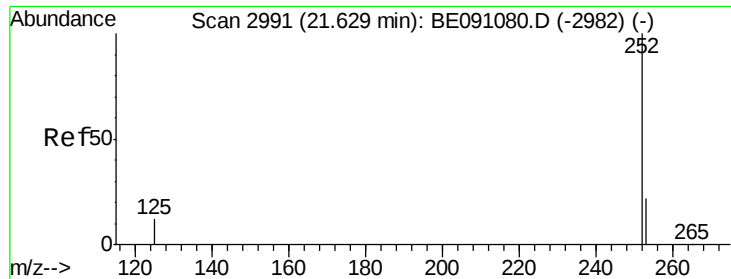


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.68 ng/u1

RT: 21.62 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

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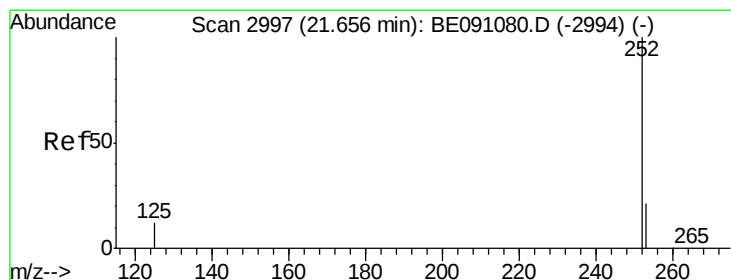
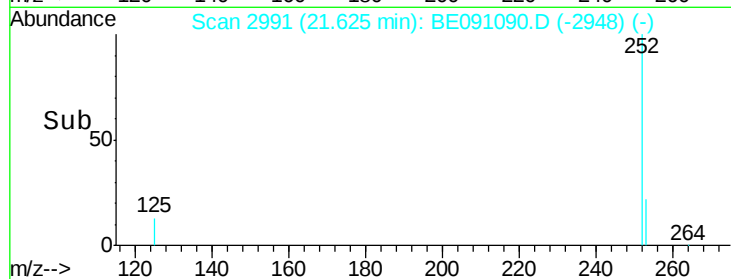
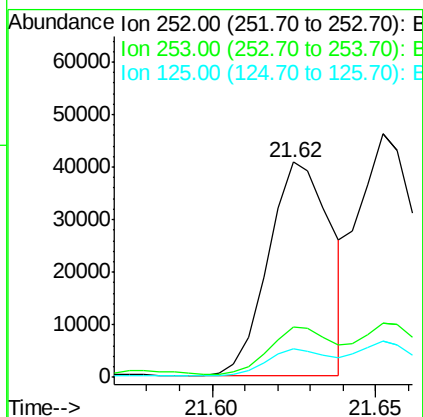
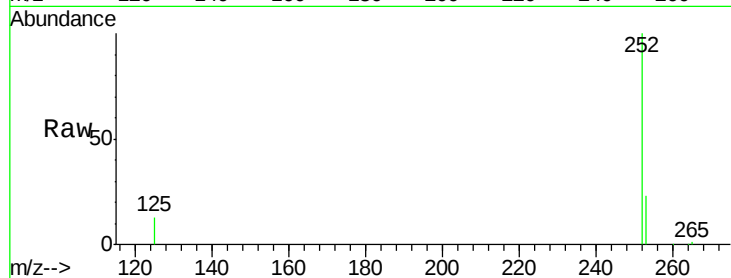
Tgt Ion:252 Resp: 54012

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

125 13.5 0.0 36.6



#24

Benzo(k)fluoranthene

Concen: 0.75 ng/u1

RT: 21.65 min Scan# 2997

Delta R.T. -0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

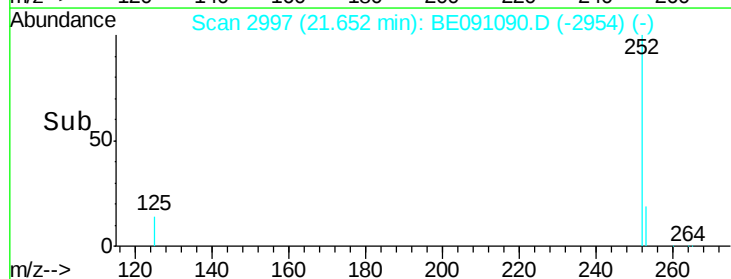
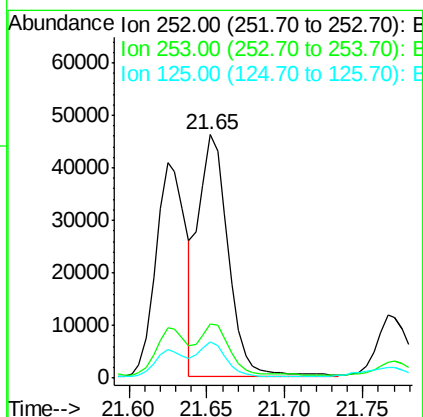
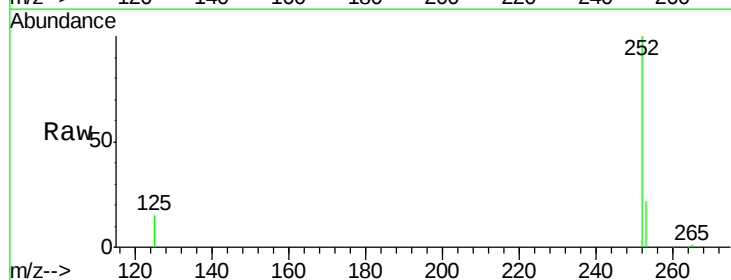
Tgt Ion:252 Resp: 60576

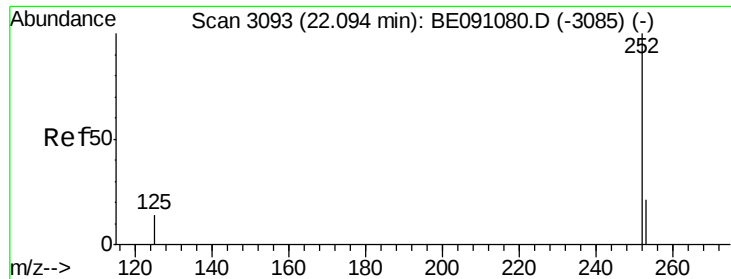
Ion Ratio Lower Upper

252 100

253 22.2 20.8 31.2

125 15.0 12.2 18.4





#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 22.03 min Scan# 3080

Delta R.T. -0.06 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

Instrument :

BNA_E

ClientSampleId :

C0AP6DL

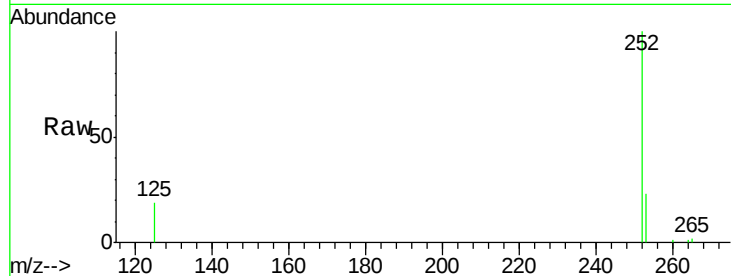
Tgt Ion:252 Resp: 32371

Ion Ratio Lower Upper

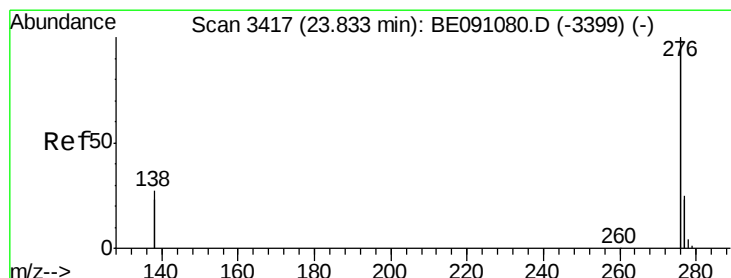
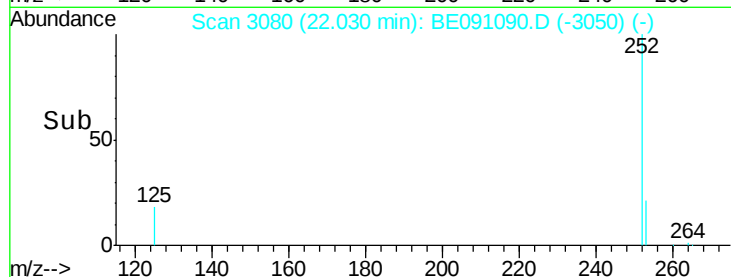
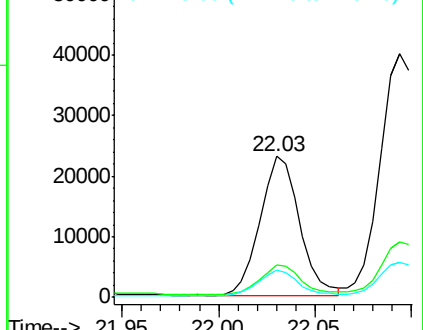
252 100

253 22.6 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: 0.40 ng/ul

RT: 23.83 min Scan# 3418

Delta R.T. 0.00 min

Lab File: BE091090.D

Acq: 6 Nov 2015 14:46

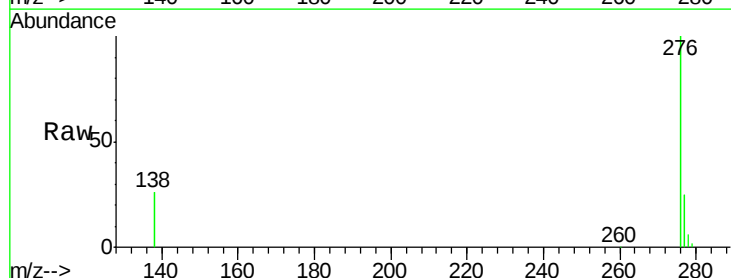
Tgt Ion:276 Resp: 122336

Ion Ratio Lower Upper

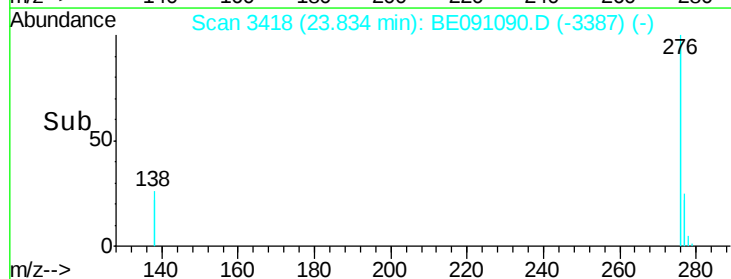
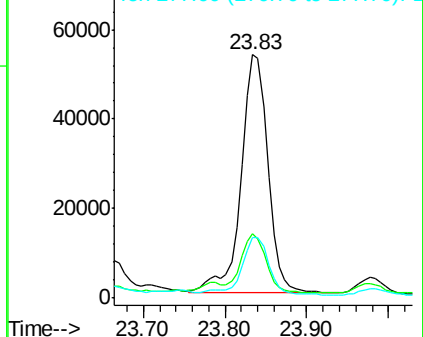
276 100

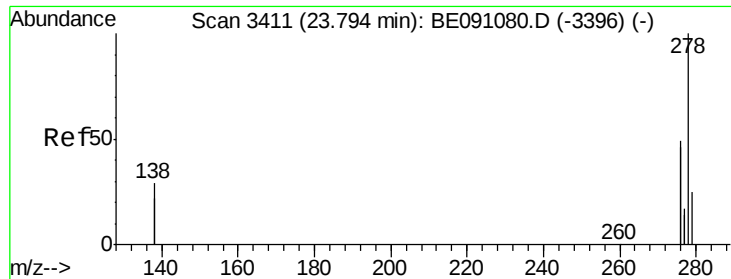
138 23.0 27.5 41.3#

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

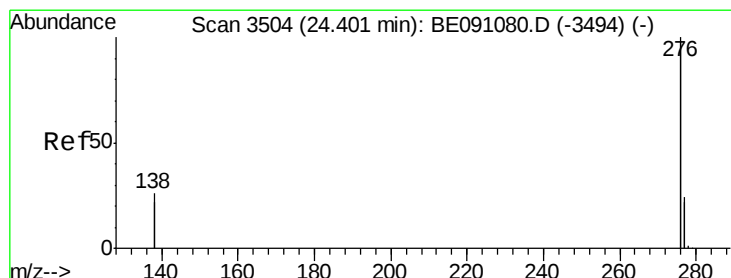
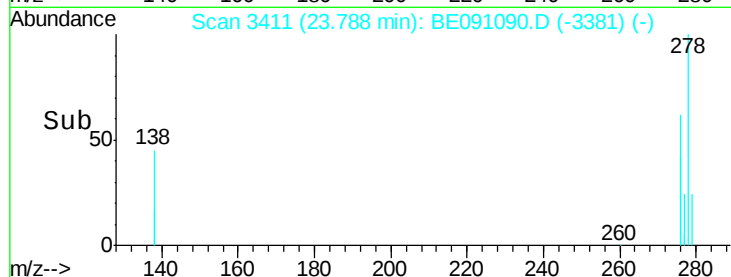
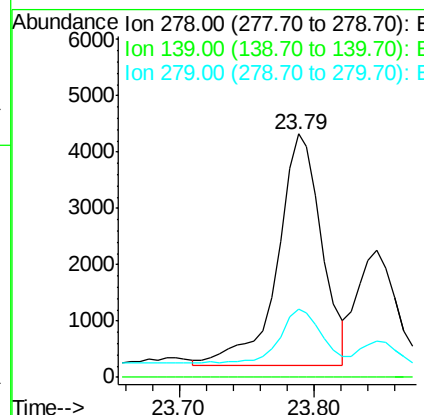
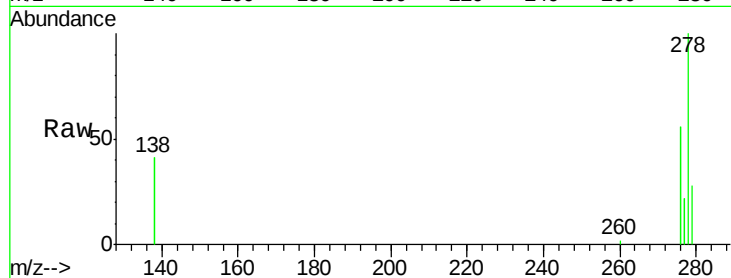




#27
Dibenzo(a,h)anthracene
Concen: 0.13 ng/ul
RT: 23.79 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BE091090.D
Acq: 6 Nov 2015 14:46

Instrument :
BNA_E
ClientSampleId :
C0AP6DL

Tgt Ion: 278 Resp: 9478
Ion Ratio Lower Upper
278 100
139 0.0 21.7 32.5#
279 28.0 21.9 32.9



#28
Benzo(g,h,i)perylene
Concen: 0.29 ng/ul
RT: 24.40 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BE091090.D
Acq: 6 Nov 2015 14:46

Tgt Ion: 276 Resp: 91944
Ion Ratio Lower Upper
276 100
277 25.5 21.3 31.9
138 27.7 25.5 38.3

