

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110615\
 Data File : BE091086.D
 Acq On : 6 Nov 2015 12:19
 Operator : UM/NP
 Sample : G4273-06DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP1DL

Quant Time: Nov 09 05:53:28 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	3049	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	16706	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	9758	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22628	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	24492	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	25802	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	2402	1.10	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.08	152	946	0.04	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	2460	0.04	ng/ul	0.00

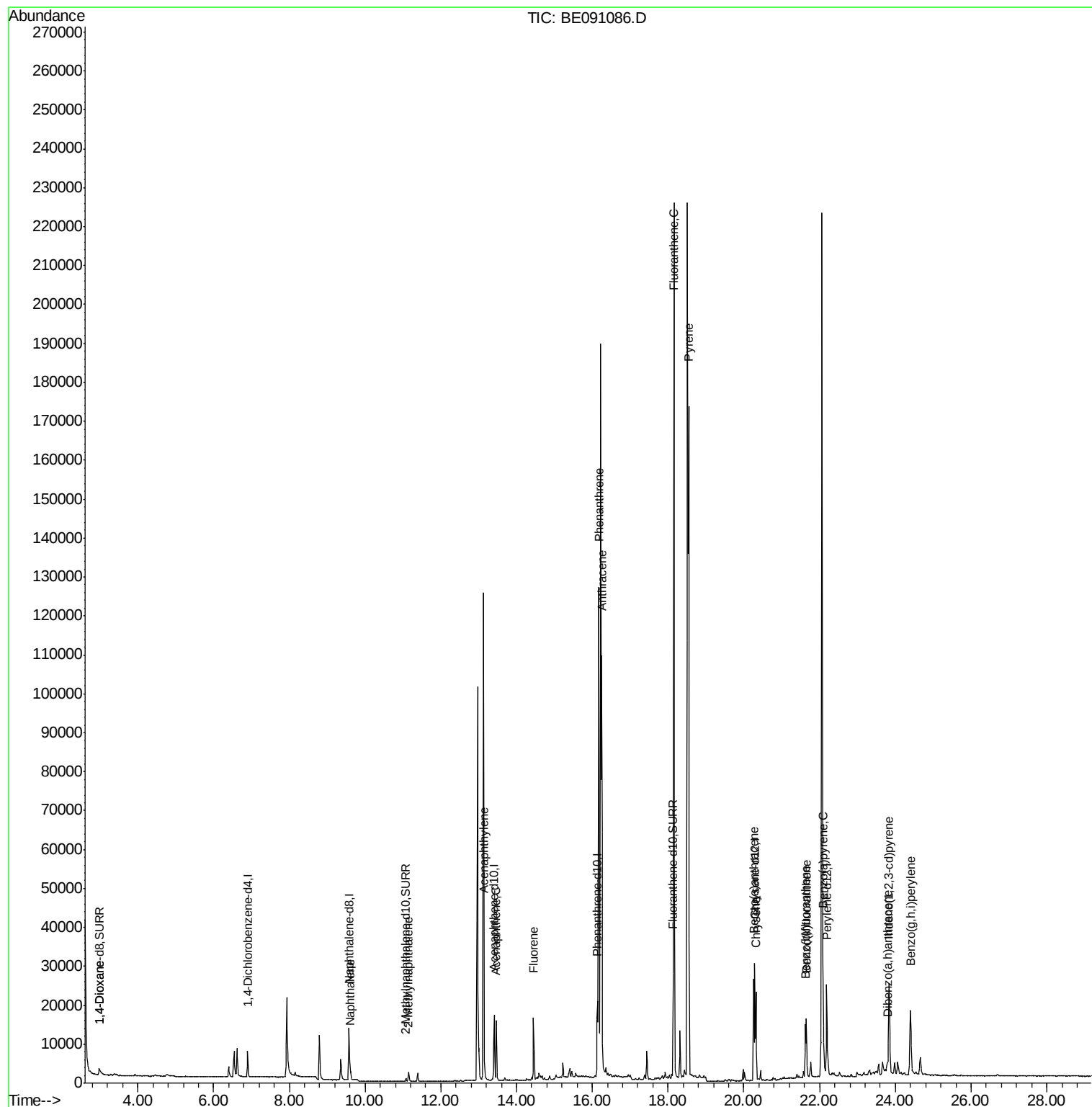
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.99	88	75	0.03	ng/ul#	74
5) Naphthalene	9.61	128	2744	0.07	ng/ul#	92
7) 2-Methylnaphthalene	11.15	142	1927	0.07	ng/ul	100
9) Acenaphthylene	13.15	152	1982	0.04	ng/ul#	92
10) Acenaphthene	13.46	153	8539	0.26	ng/ul	93
11) Fluorene	14.45	166	10431	0.24	ng/ul	90
14) Phenanthrene	16.17	178	138994	0.53	ng/ul	96
15) Anthracene	16.25	178	110388	0.46	ng/ul	99
17) Fluoranthene	18.15	202	239287	0.78	ng/ul	88
19) Pyrene	18.54	202	178781	0.64	ng/ul#	78
20) Benzo(a)anthracene	20.26	228	20788	0.33	ng/ul	96
21) Chrysene	20.32	228	20840	0.29	ng/ul	98
23) Benzo(b)fluoranthene	21.62	252	13957	0.17	ng/ul	96
24) Benzo(k)fluoranthene	21.65	252	15254	0.18	ng/ul	97
25) Benzo(a)pyrene	22.09	252	15759	0.21	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.83	276	35859	0.11	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.79	278	2714	0.04	ng/ul#	67
28) Benzo(g,h,i)perylene	24.40	276	27603	0.08	ng/ul	99

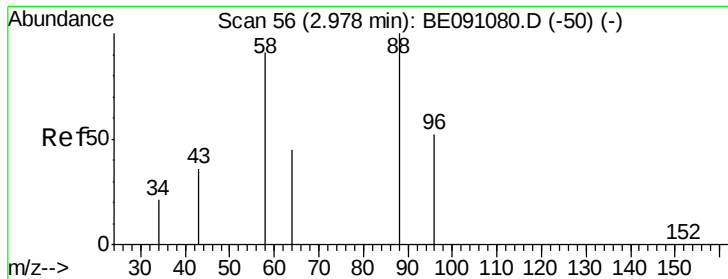
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 2.99 min Scan# 58

Delta R.T. 0.01 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

C0AP1DL

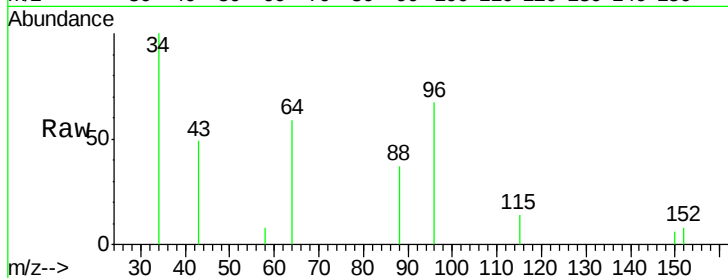
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

58 58.7 55.4 83.2

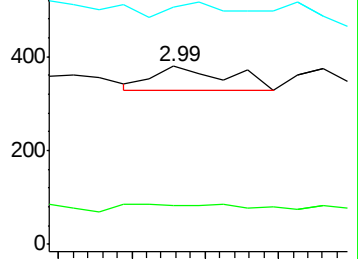
43 0.0 24.2 36.2#



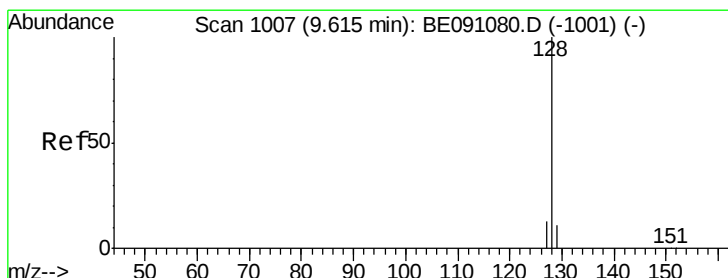
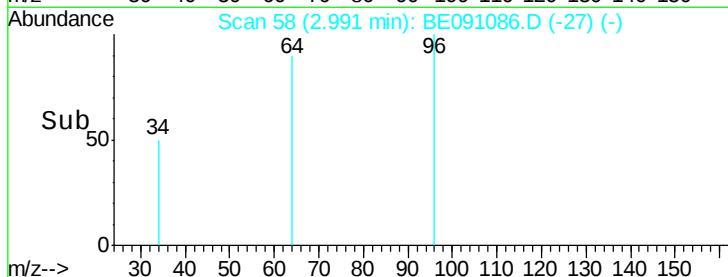
Abundance Ion 88.00 (87.70 to 88.70): BE091086.D (-50) (-)

Ion 58.00 (57.70 to 58.70): BE091086.D (-50) (-)

Ion 43.00 (42.70 to 43.70): BE091086.D (-50) (-)



Time--> 2.96 2.98 3.00 3.02



#5

Naphthalene

Concen: 0.07 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

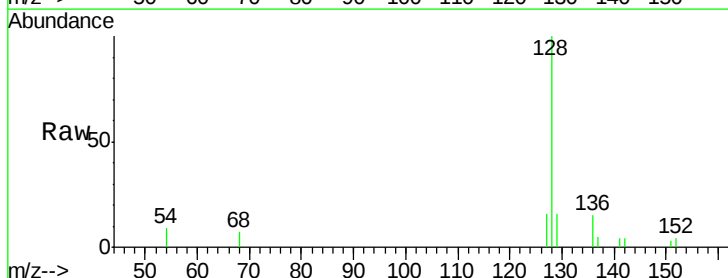
Tgt Ion: 128 Resp: 2744

Ion Ratio Lower Upper

128 100

129 15.6 9.8 14.8#

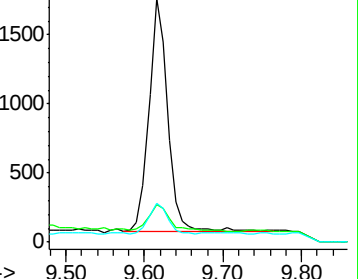
127 16.1 10.7 16.1#



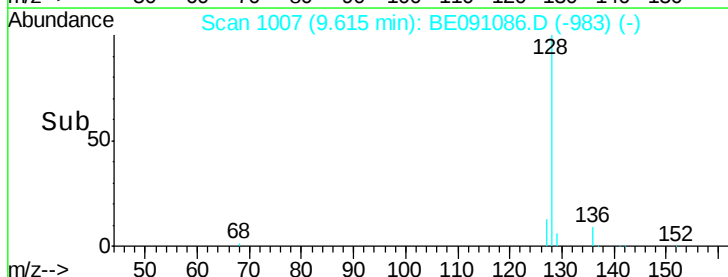
Abundance Ion 128.00 (127.70 to 128.70): BE091086.D (-983) (-)

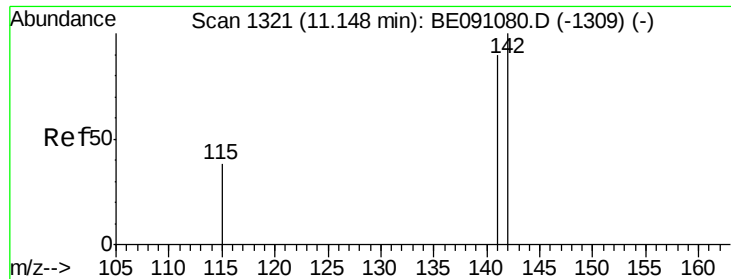
Ion 129.00 (128.70 to 129.70): BE091086.D (-983) (-)

Ion 127.00 (126.70 to 127.70): BE091086.D (-983) (-)



Time--> 9.50 9.60 9.70 9.80





#7

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

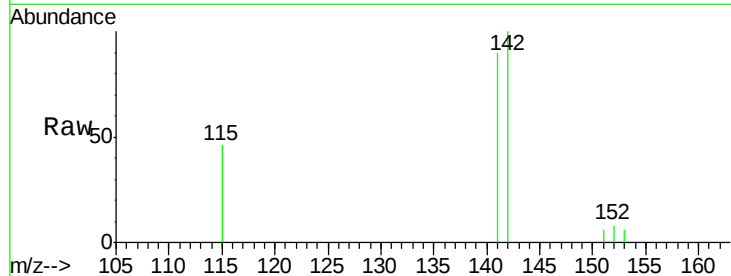
C0AP1DL

Tgt Ion:142 Resp: 1927

Ion Ratio Lower Upper

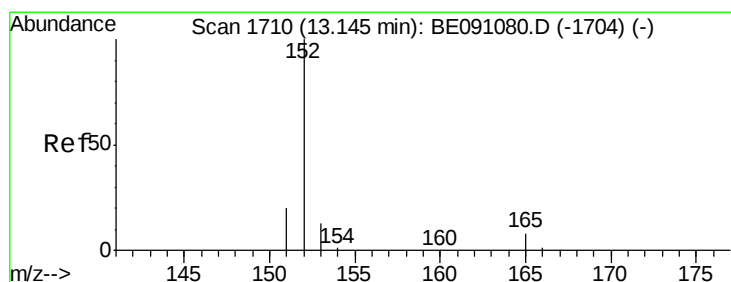
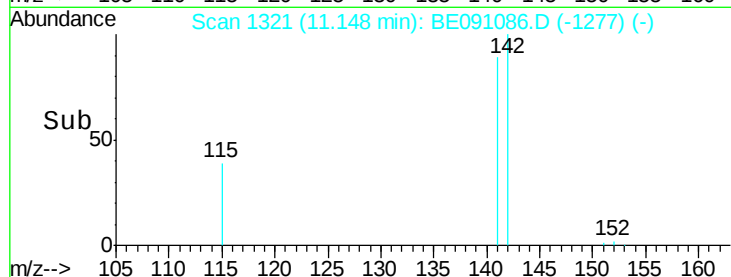
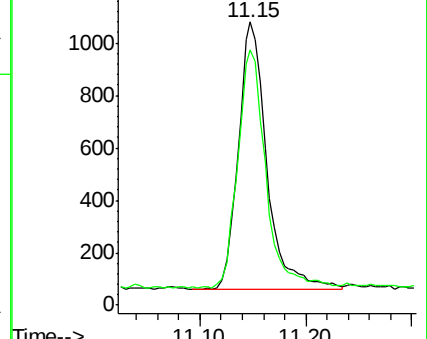
142 100

141 88.3 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: 0.04 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

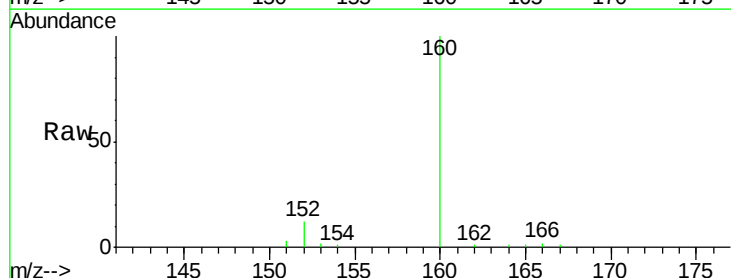
Tgt Ion:152 Resp: 1982

Ion Ratio Lower Upper

152 100

151 24.3 16.8 25.2

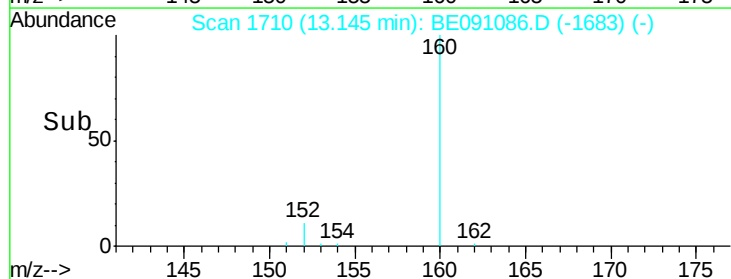
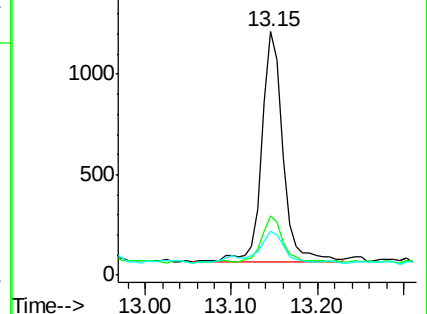
153 18.1 11.3 16.9#

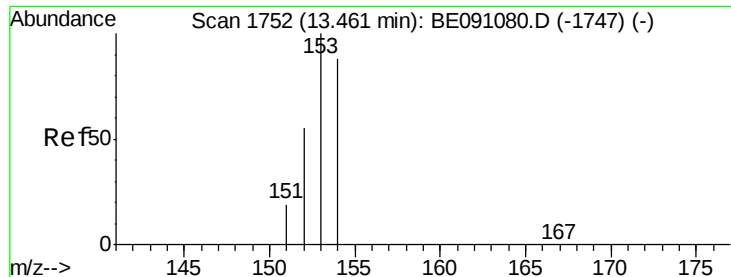


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.26 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

C0AP1DL

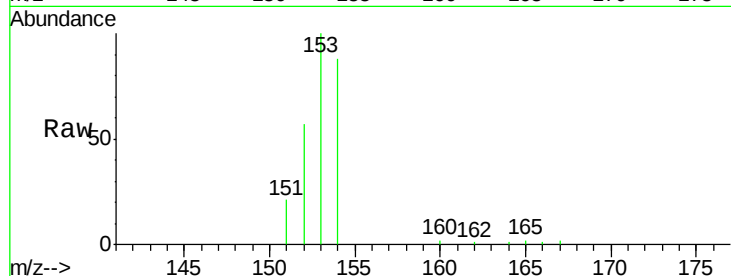
Tgt Ion:153 Resp: 8539

Ion Ratio Lower Upper

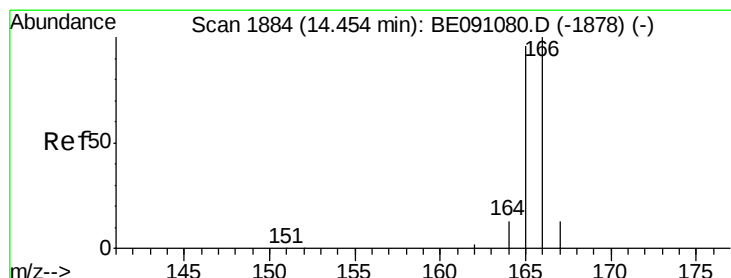
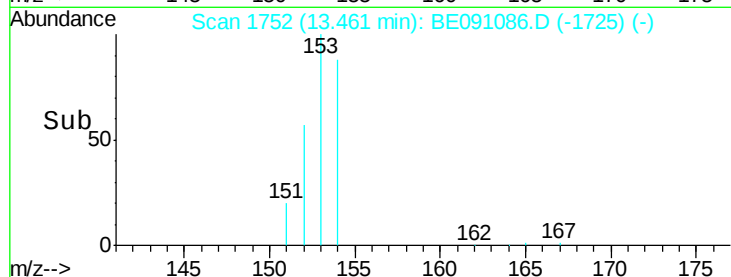
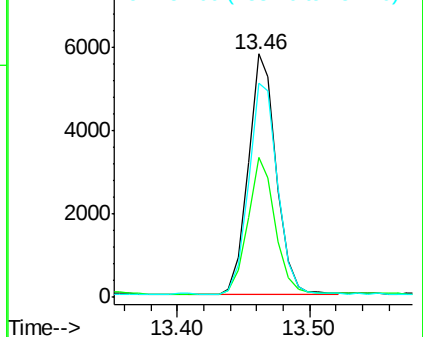
153 100

152 57.5 42.3 63.5

154 88.0 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: 0.24 ng/ul

RT: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

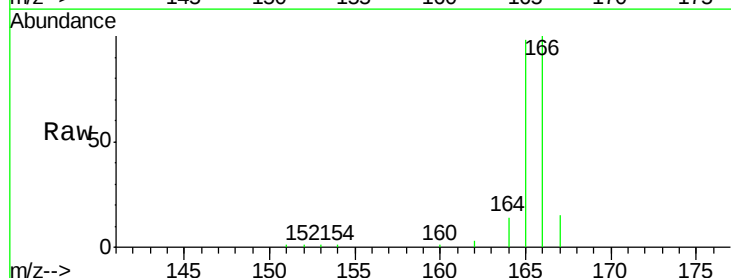
Tgt Ion:166 Resp: 10431

Ion Ratio Lower Upper

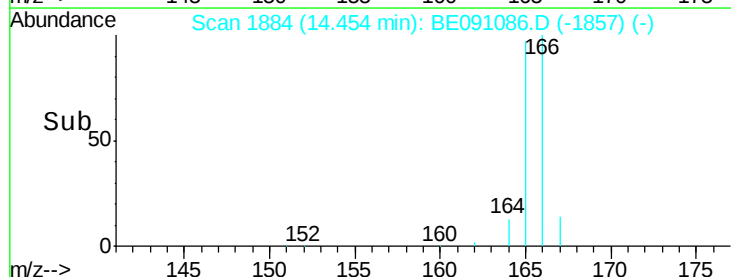
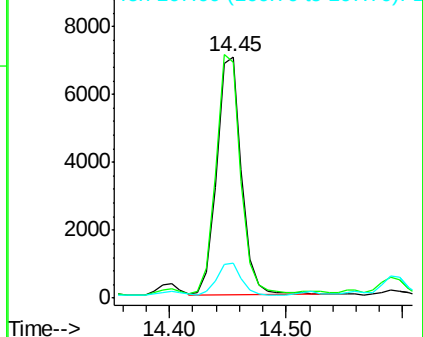
166 100

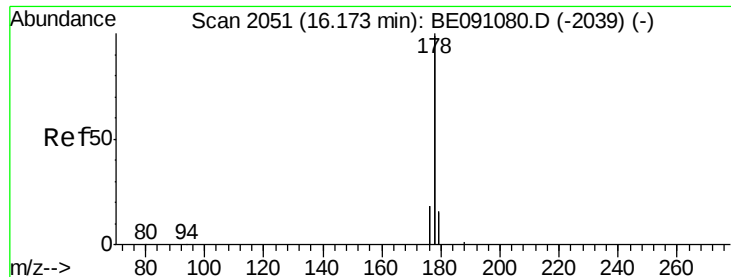
165 97.8 87.6 131.4

167 14.6 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

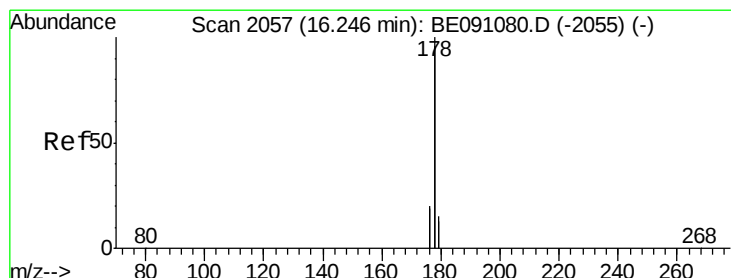
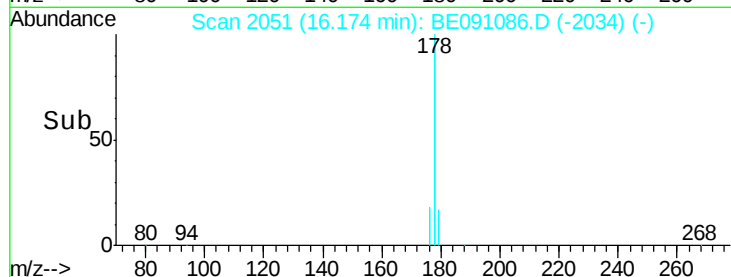
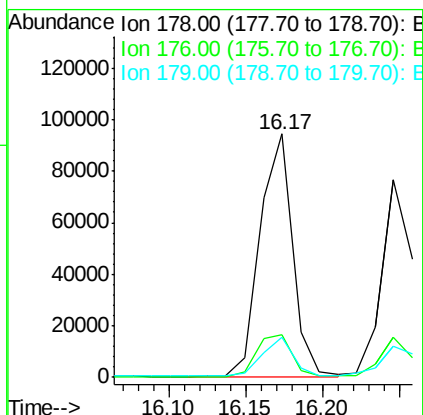
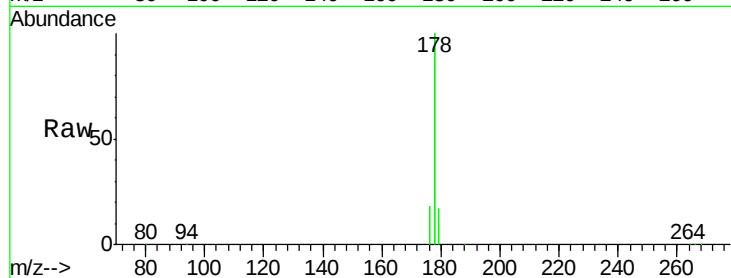




#14
Phenanthrene
Concen: 0.53 ng/ul
RT: 16.17 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BE091086.D
Acq: 6 Nov 2015 12:19

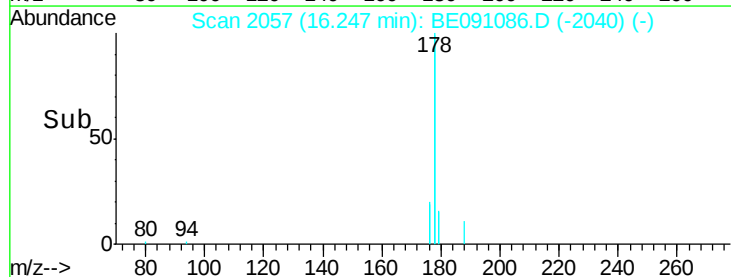
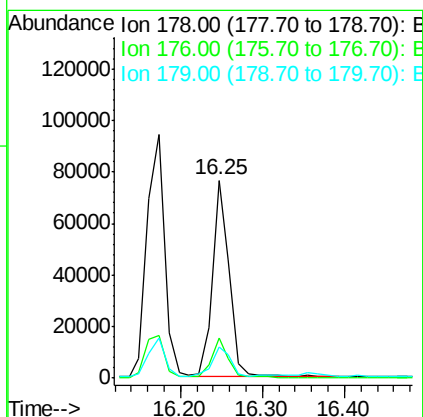
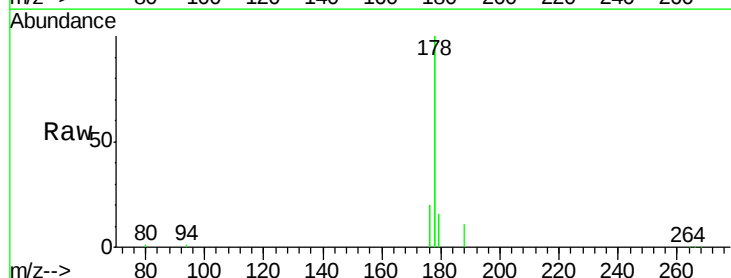
Instrument :
BNA_E
ClientSampleId :
C0AP1DL

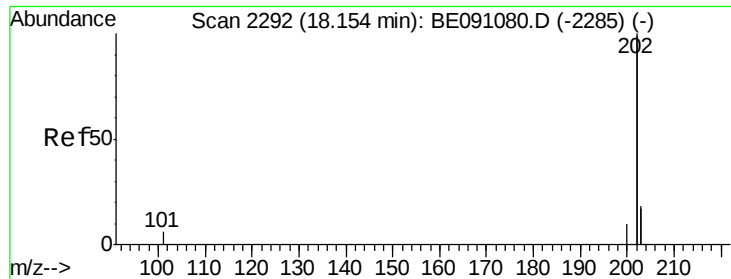
Tgt Ion:178 Resp: 138994
Ion Ratio Lower Upper
178 100
176 17.8 16.2 24.4
179 16.6 12.8 19.2



#15
Anthracene
Concen: 0.46 ng/ul
RT: 16.25 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BE091086.D
Acq: 6 Nov 2015 12:19

Tgt Ion:178 Resp: 110388
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.9 13.3 19.9

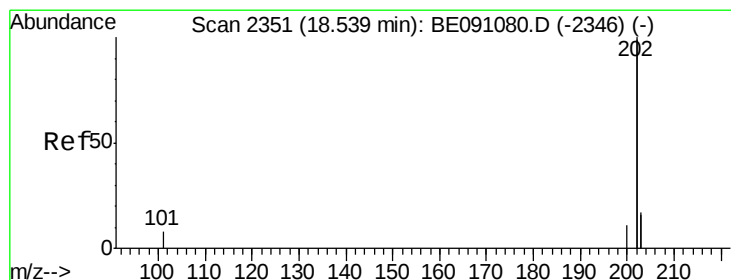
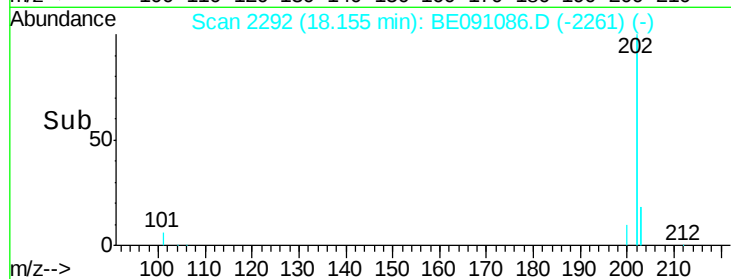
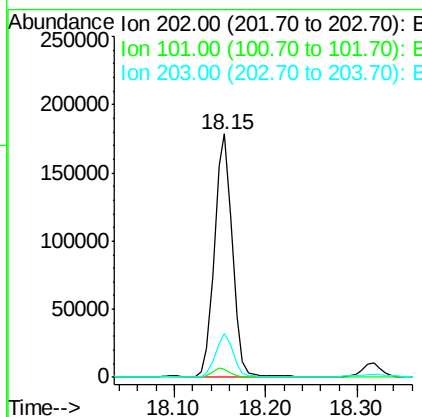
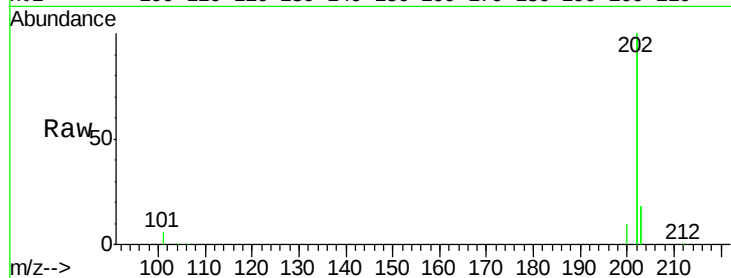




#17
Fluoranthene
 Concen: 0.78 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: BE091086.D
 Acq: 6 Nov 2015 12:19

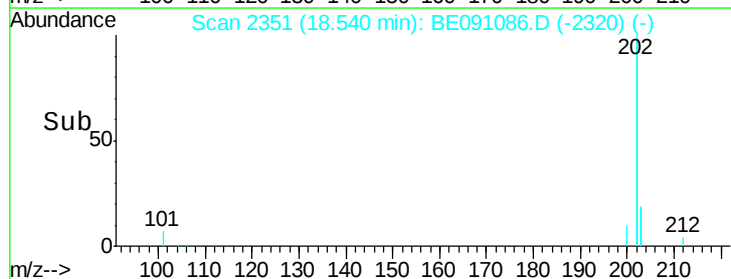
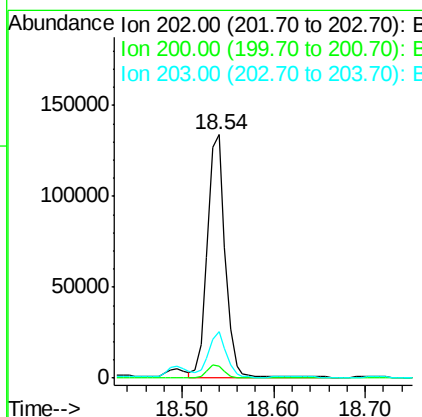
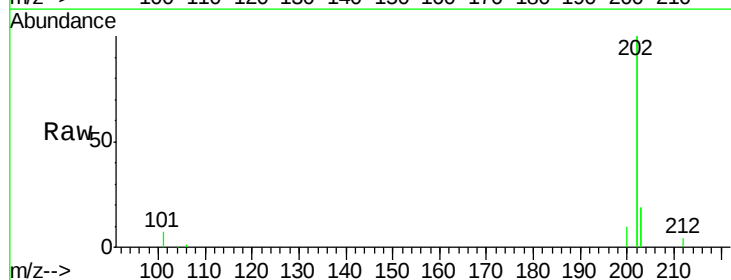
Instrument :
 BNA_E
 ClientSampleId :
 C0AP1DL

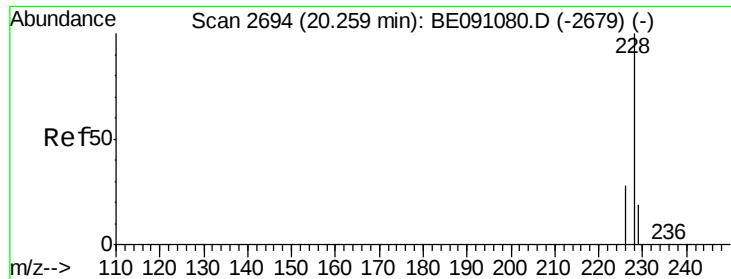
Tgt Ion: 202 Resp: 239287
 Ion Ratio Lower Upper
 202 100
 101 3.2 0.0 33.1
 203 18.2 0.0 37.2



#19
Pyrene
 Concen: 0.64 ng/ul
 RT: 18.54 min Scan# 2351
 Delta R.T. 0.00 min
 Lab File: BE091086.D
 Acq: 6 Nov 2015 12:19

Tgt Ion: 202 Resp: 178781
 Ion Ratio Lower Upper
 202 100
 200 5.1 18.0 27.0#
 203 19.0 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.33 ng/ul

RT: 20.26 min Scan# 2694

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

C0AP1DL

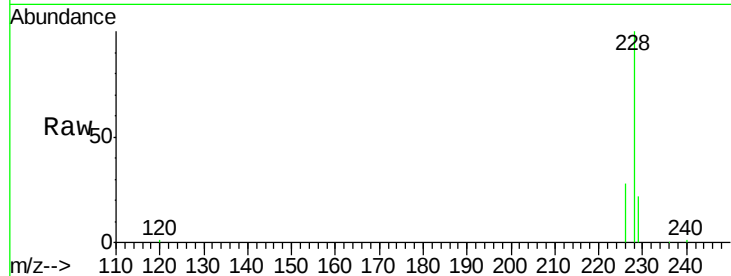
Tgt Ion:228 Resp: 20788

Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

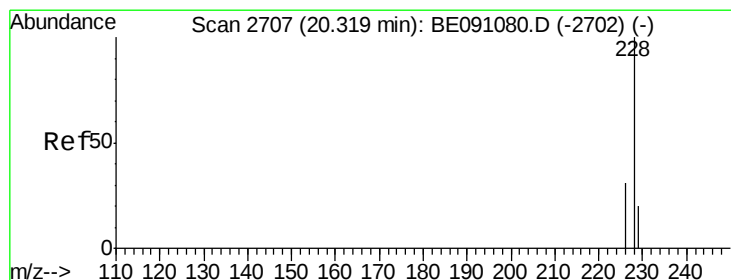
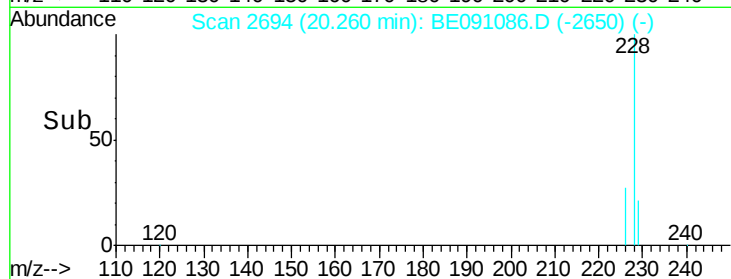
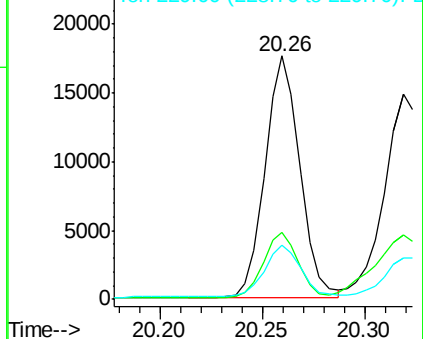
229 22.1 15.2 22.8



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: 0.29 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. 0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

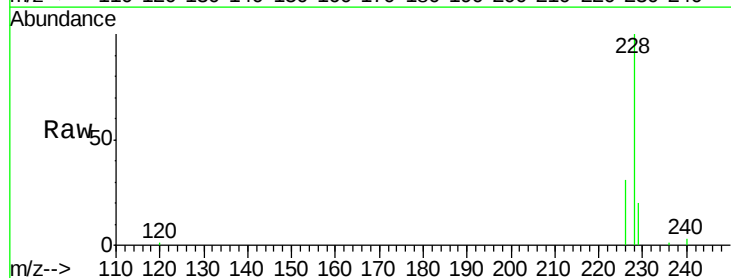
Tgt Ion:228 Resp: 20840

Ion Ratio Lower Upper

228 100

226 31.2 25.7 38.5

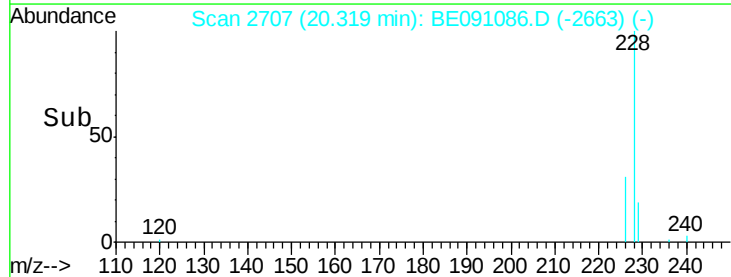
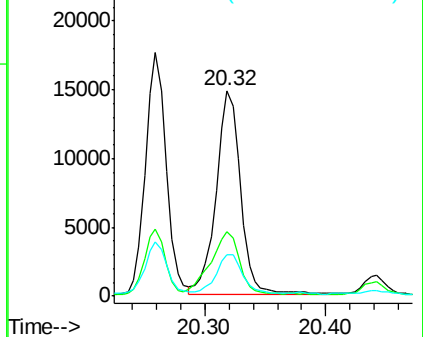
229 20.4 15.2 22.8

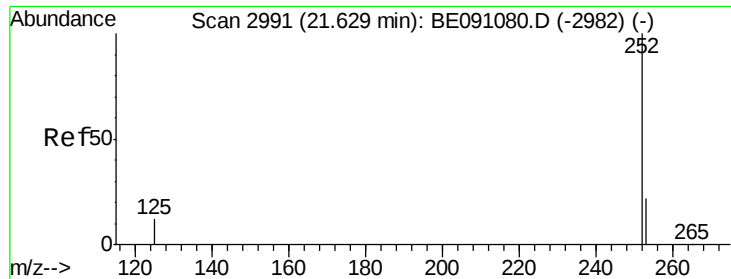


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.17 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

C0AP1DL

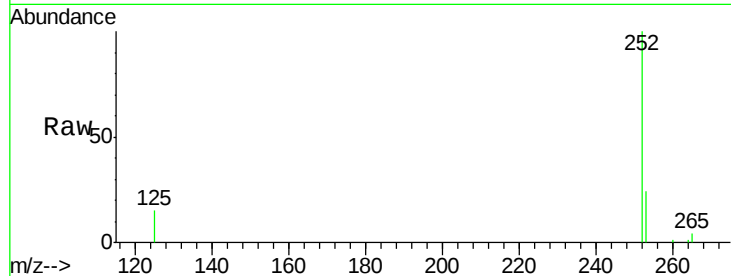
Tgt Ion:252 Resp: 13957

Ion Ratio Lower Upper

252 100

253 23.9 0.0 48.0

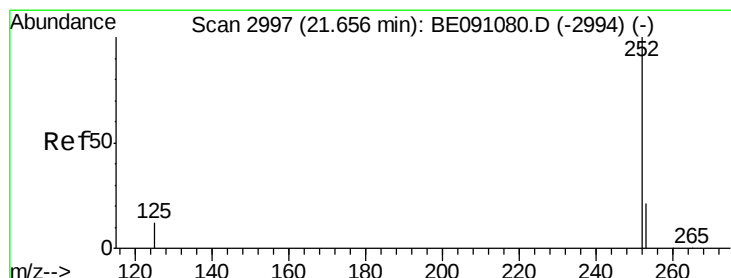
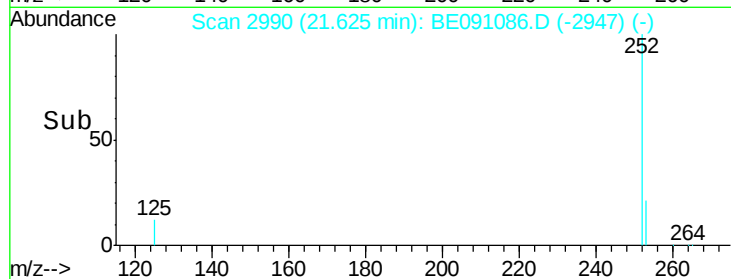
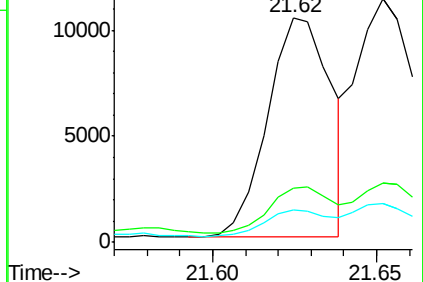
125 14.6 0.0 36.6



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: 0.18 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

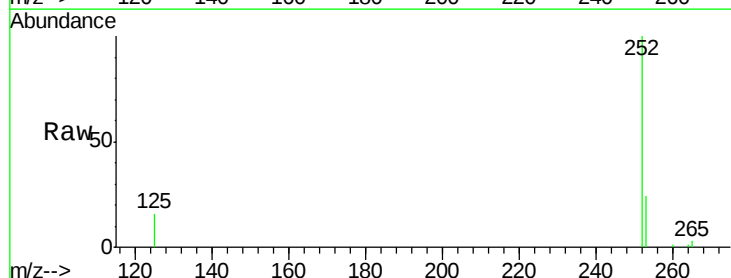
Tgt Ion:252 Resp: 15254

Ion Ratio Lower Upper

252 100

253 24.3 20.8 31.2

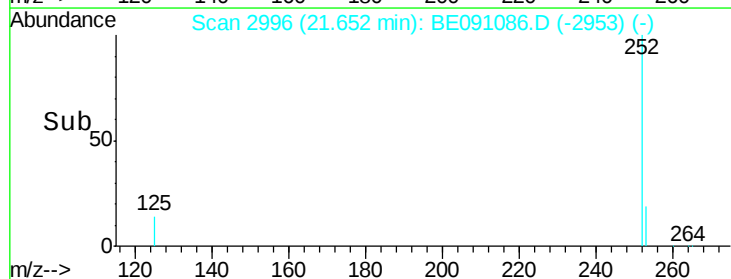
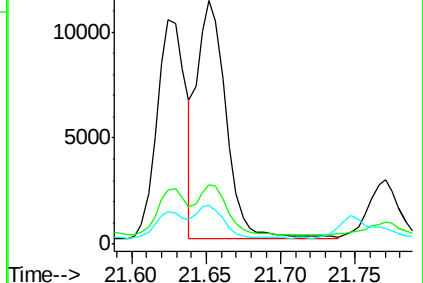
125 15.9 12.2 18.4

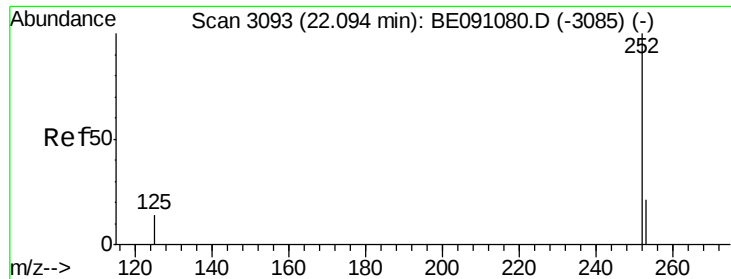


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.21 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

Instrument :

BNA_E

ClientSampleId :

C0AP1DL

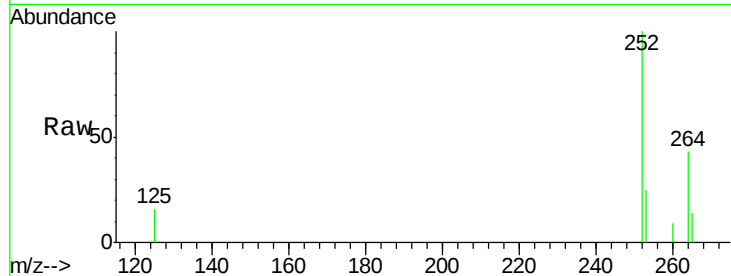
Tgt Ion:252 Resp: 15759

Ion Ratio Lower Upper

252 100

253 25.1 21.8 32.8

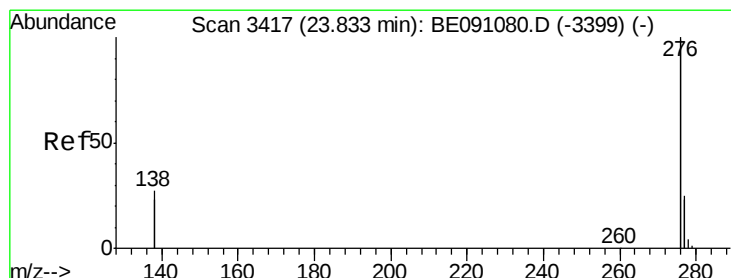
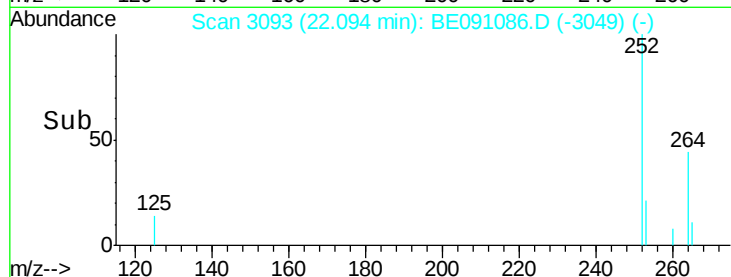
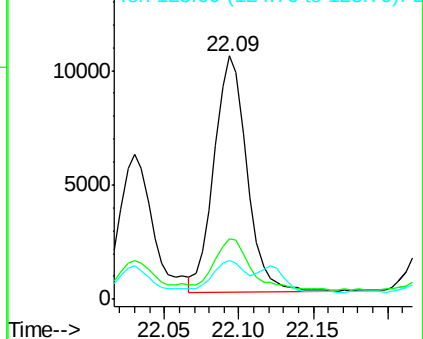
125 16.0 14.5 21.7



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: 0.11 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091086.D

Acq: 6 Nov 2015 12:19

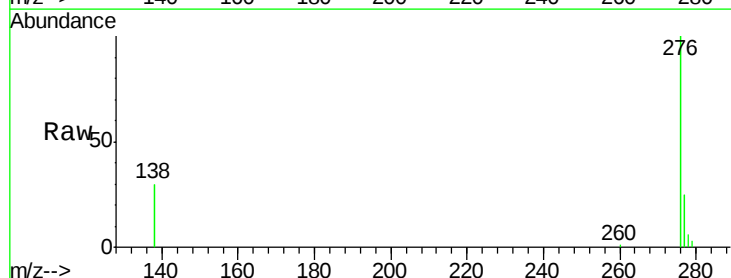
Tgt Ion:276 Resp: 35859

Ion Ratio Lower Upper

276 100

138 25.5 27.5 41.3#

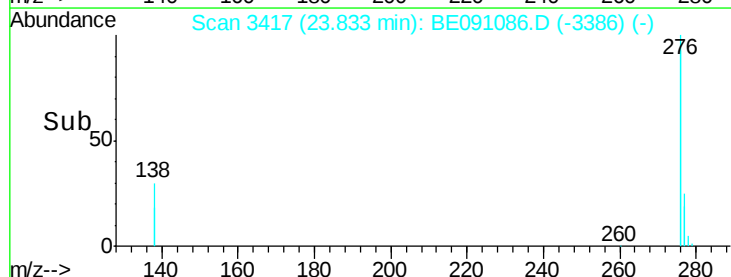
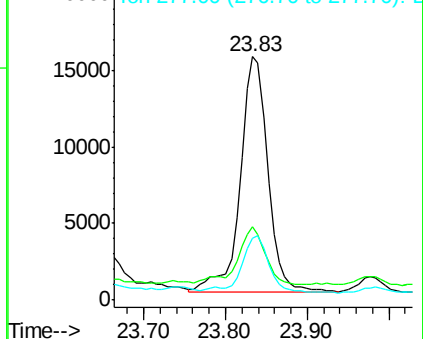
277 24.6 19.3 28.9

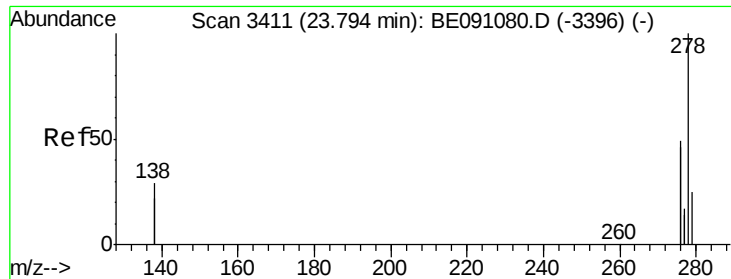


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



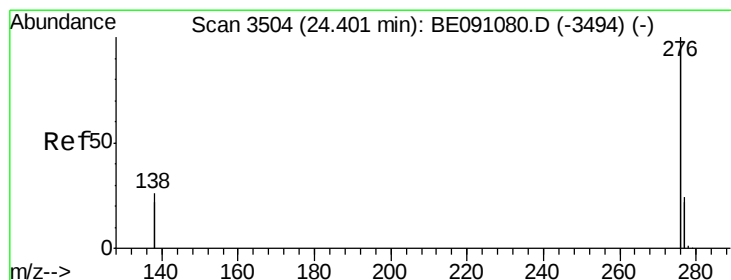
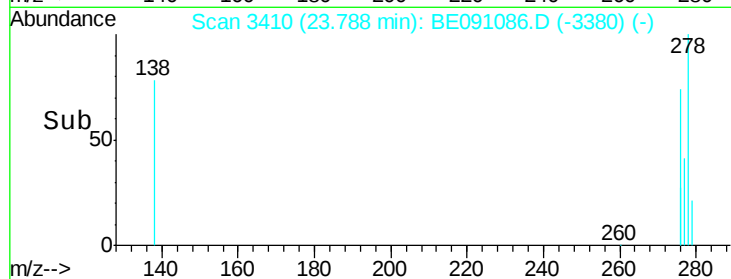
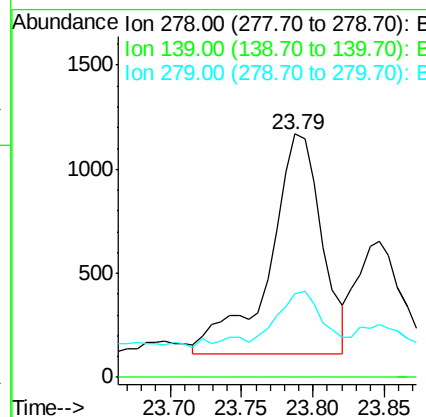
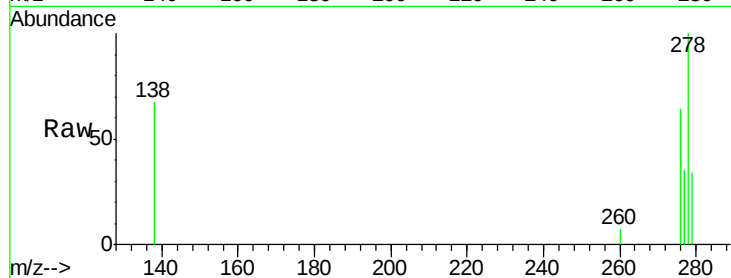


#27
Dibenzo(a,h)anthracene
Concen: 0.04 ng/ul
RT: 23.79 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091086.D
Acq: 6 Nov 2015 12:19

Instrument :
BNA_E
ClientSampleId :
C0AP1DL

Tgt Ion: 278 Resp: 2714

Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	34.4	21.9	32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 24.40 min Scan# 3504
Delta R.T. -0.00 min
Lab File: BE091086.D
Acq: 6 Nov 2015 12:19

Tgt Ion: 276 Resp: 27603

Ion	Ratio	Lower	Upper
276	100		
277	26.2	21.3	31.9
138	31.0	25.5	38.3

