

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091298.D
 Acq On : 23 Nov 2015 13:30
 Operator : UM/NP
 Sample : G4322-08RX
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR9RX

Quant Time: Nov 24 00:39:14 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 : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2959	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	14142	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6737	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	16962	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	21242	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	21156	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.94	96	9054	4.25	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.06	152	1356	0.07	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	2886	0.06	ng/ul	0.00

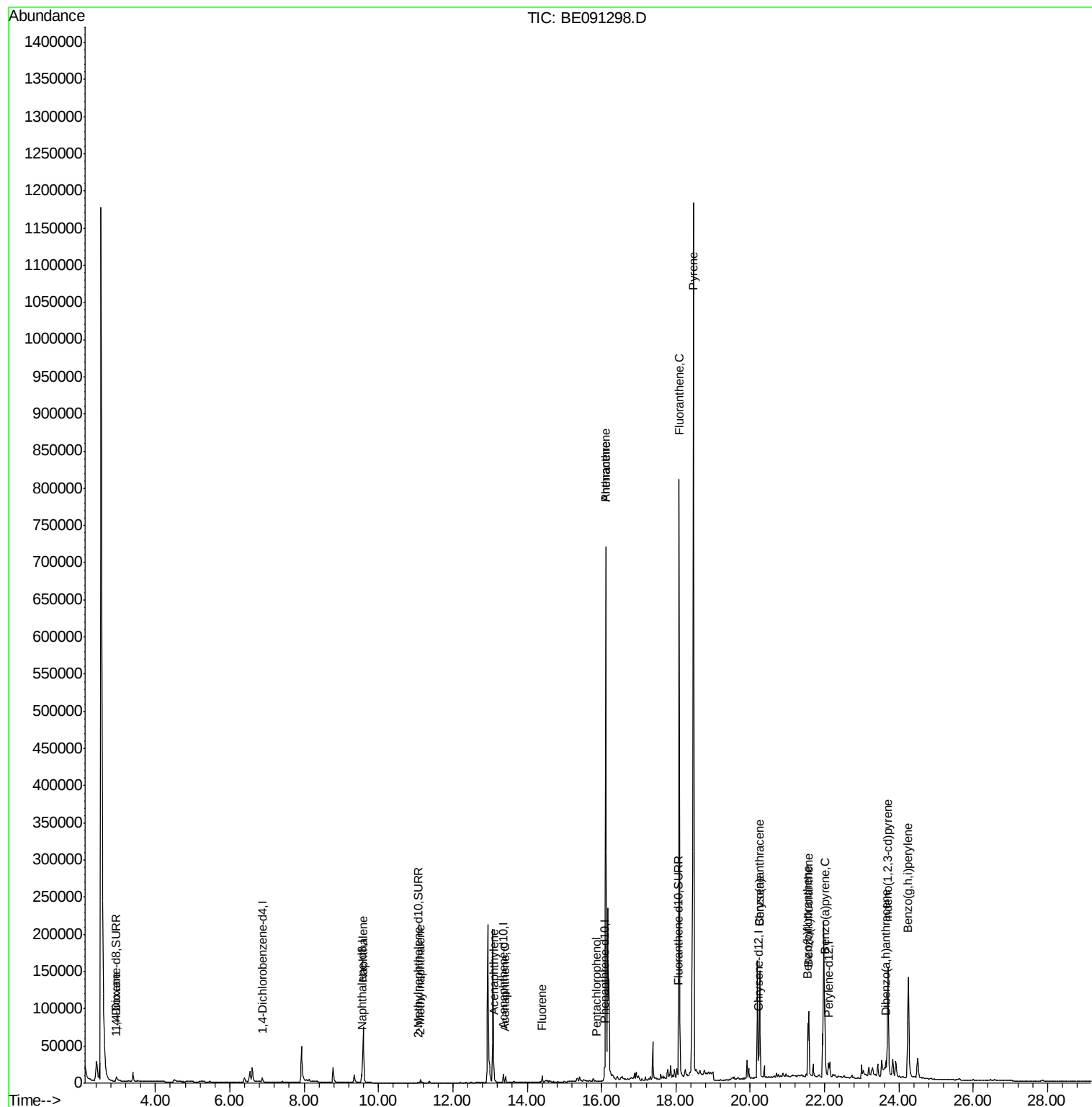
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.92	88	310	0.13	ng/ul#	24
5) Naphthalene	9.59	128	106575	3.06	ng/ul	98
7) 2-Methylnaphthalene	11.13	142	4555	0.20	ng/ul	96
9) Acenaphthylene	13.11	152	3297	0.10	ng/ul	97
10) Acenaphthene	13.42	153	4789	0.21	ng/ul	90
11) Fluorene	14.41	166	6394	0.22	ng/ul#	90
13) Pentachlorophenol	15.86	266	159	0.10	ng/ul#	81
14) Phenanthrene	16.11	178	714625	3.65	ng/ul	98
15) Anthracene	16.11	178	713292	4.00	ng/ul	98
17) Fluoranthene	18.09	202	852234	3.72	ng/ul	89
19) Pyrene	18.47	202	1224149	5.07	ng/ul#	78
20) Benzo(a)anthracene	20.25	228	134405	2.46	ng/ul	93
21) Chrysene	20.25	228	136253	2.17	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	68056	1.03	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	82798	1.22	ng/ul#	91
25) Benzo(a)pyrene	22.01	252	104794	1.72	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	23.70	276	197960	0.77	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.65	278	19090	0.31	ng/ul#	69
28) Benzo(g,h,i)perylene	24.25	276	213256	0.79	ng/ul	97

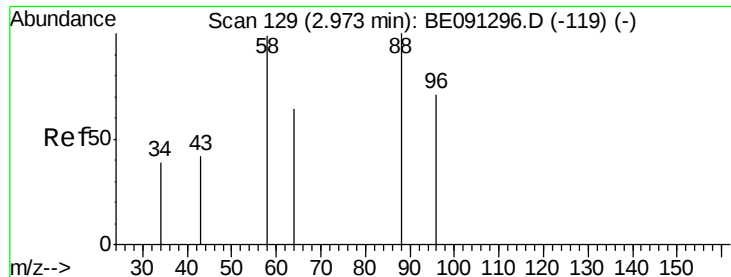
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 00:31:29 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.13 ng/ul

RT: 2.92 min Scan# 121

Delta R.T. -0.05 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

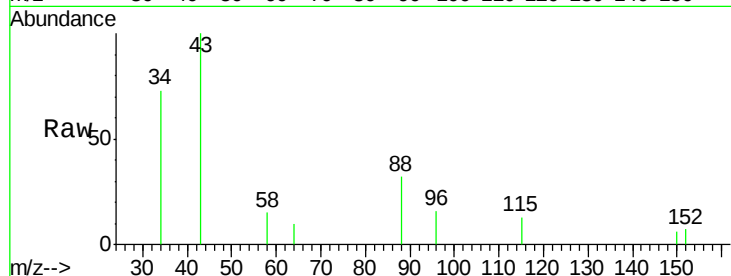
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

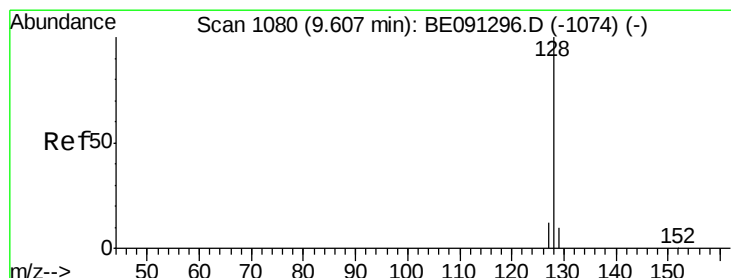
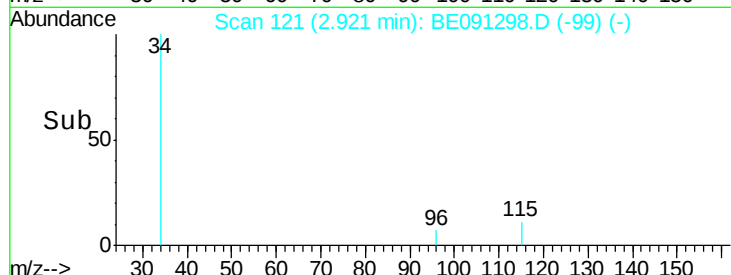
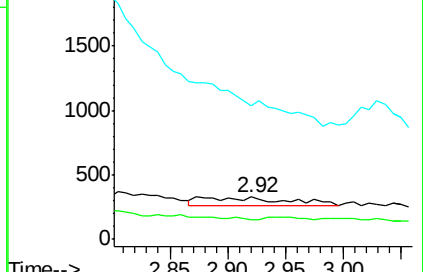
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091298.D (-119) (-)

Ion 58.00 (57.70 to 58.70): BE091298.D (-119) (-)

Ion 43.00 (42.70 to 43.70): BE091298.D (-119) (-)



#5

Naphthalene

Concen: 3.06 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

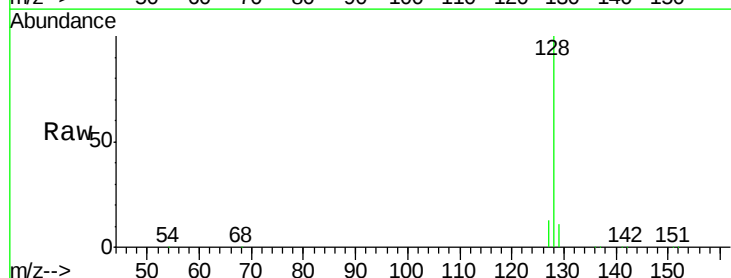
Tgt Ion: 128 Resp: 106575

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

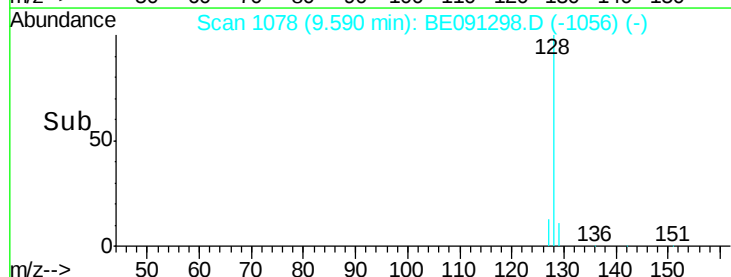
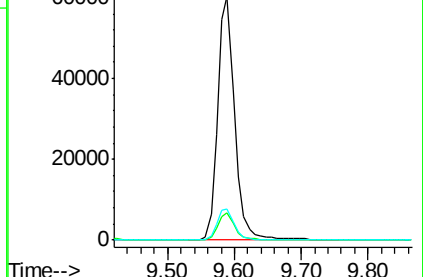
127 12.8 10.7 16.1

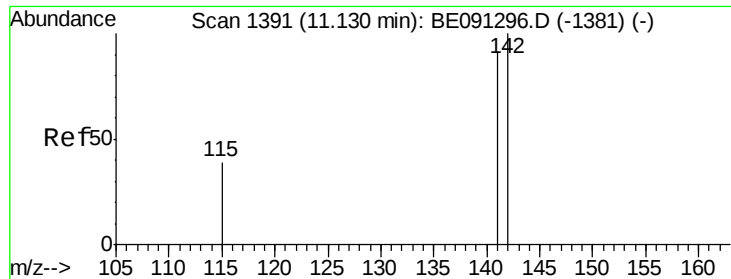


Abundance Ion 128.00 (127.70 to 128.70): BE091298.D (-1074) (-)

Ion 129.00 (128.70 to 129.70): BE091298.D (-1074) (-)

Ion 127.00 (126.70 to 127.70): BE091298.D (-1074) (-)





#7

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

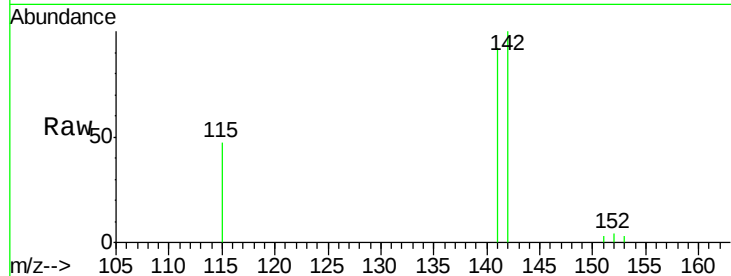
A4HR9RX

Tgt Ion:142 Resp: 4555

Ion Ratio Lower Upper

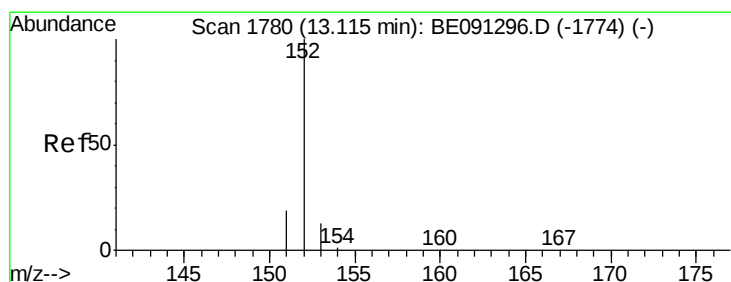
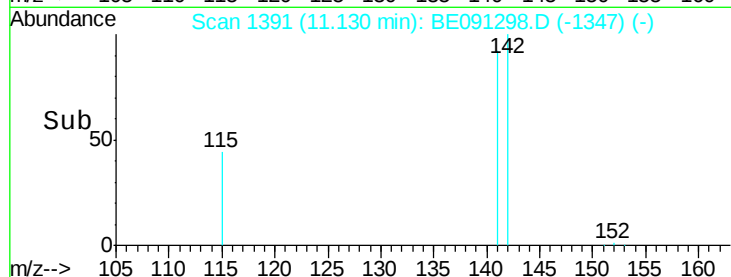
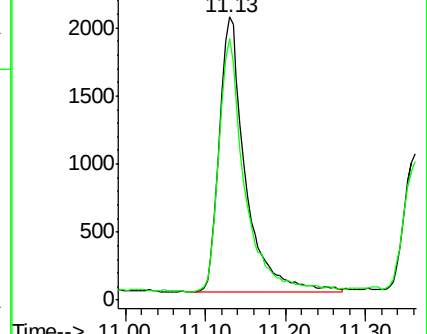
142 100

141 91.9 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: 0.10 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

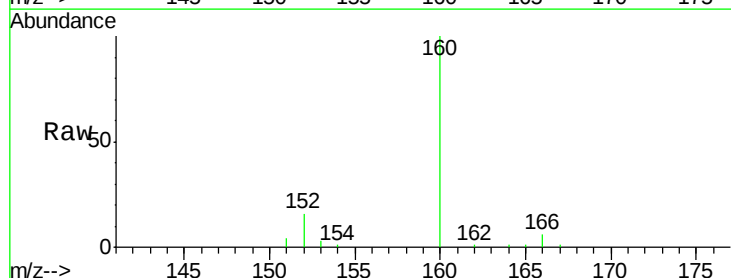
Tgt Ion:152 Resp: 3297

Ion Ratio Lower Upper

152 100

151 21.9 16.8 25.2

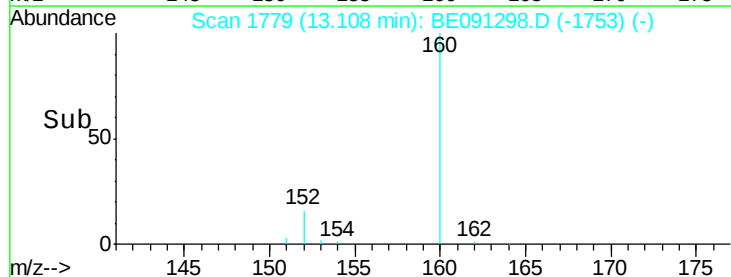
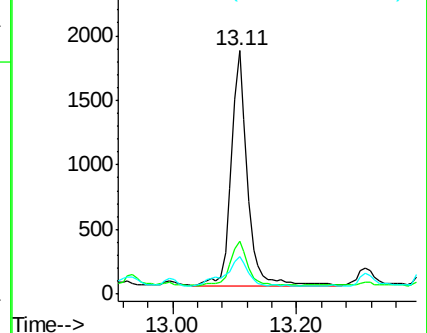
153 15.6 11.3 16.9

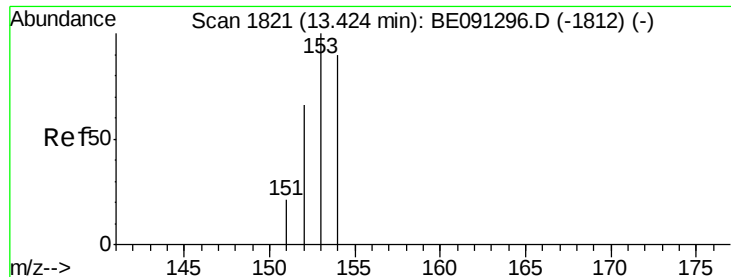


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.21 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

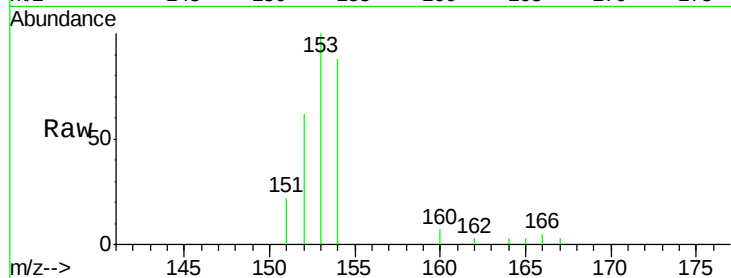
Tgt Ion:153 Resp: 4789

Ion Ratio Lower Upper

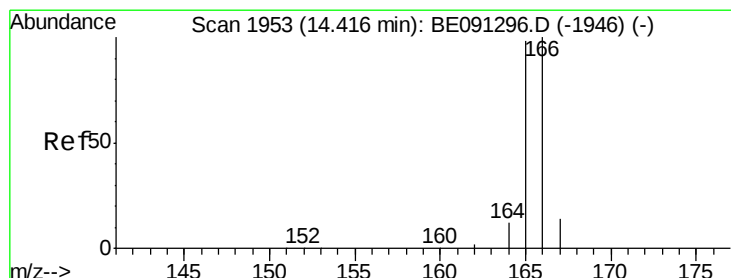
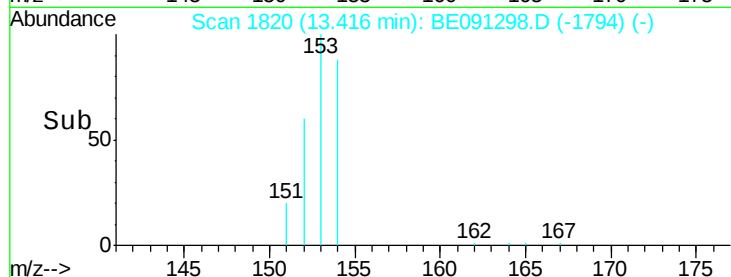
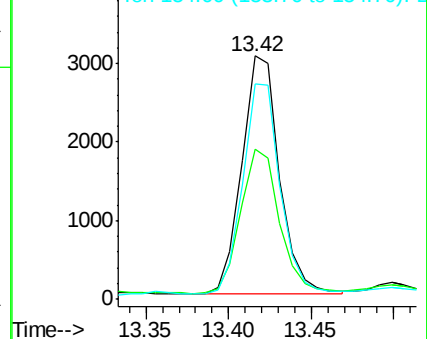
153 100

152 61.9 42.3 63.5

154 88.2 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: 0.22 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

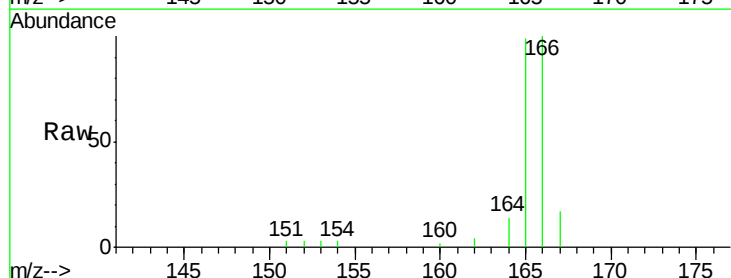
Tgt Ion:166 Resp: 6394

Ion Ratio Lower Upper

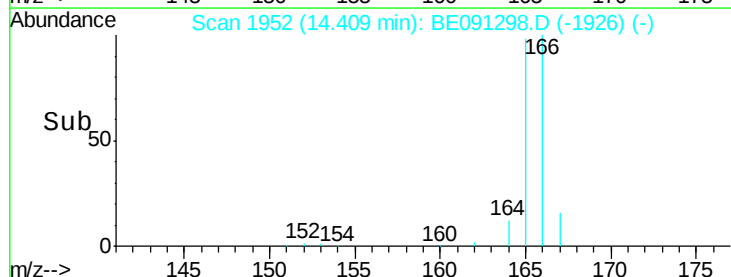
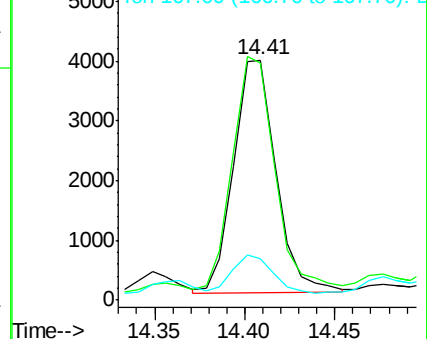
166 100

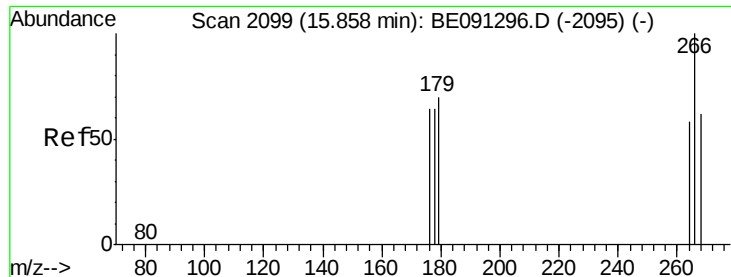
165 98.7 87.6 131.4

167 17.1 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

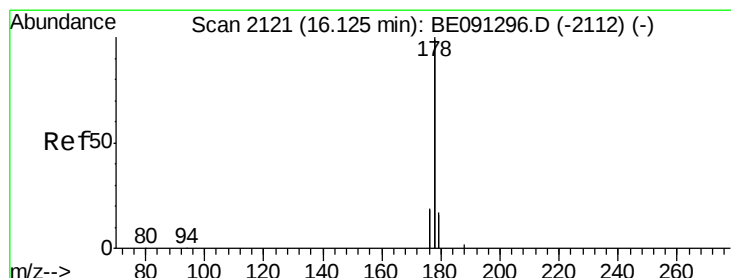
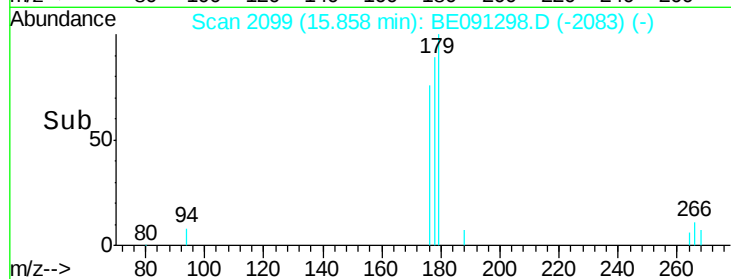
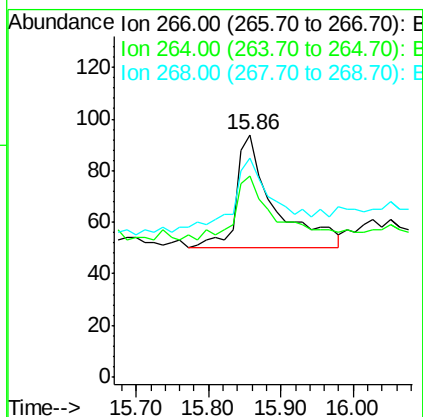
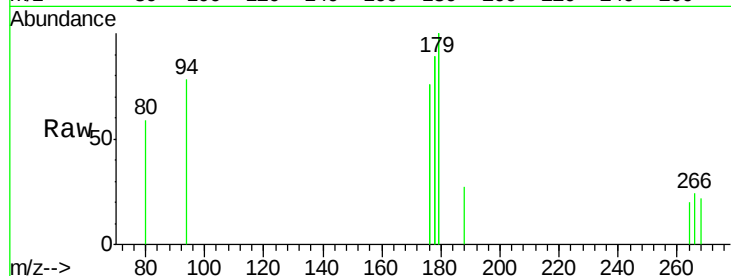




#13
 Pentachlorophenol
 Concen: 0.10 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.00 min
 Lab File: BE091298.D
 Acq: 23 Nov 2015 13:30

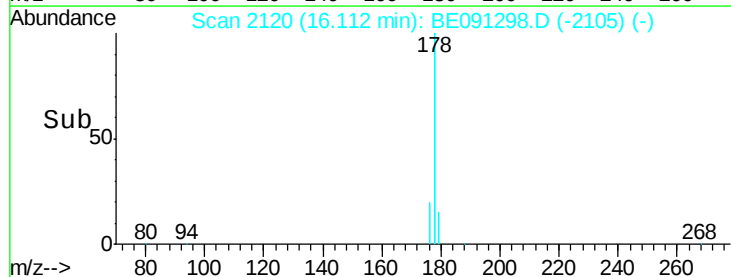
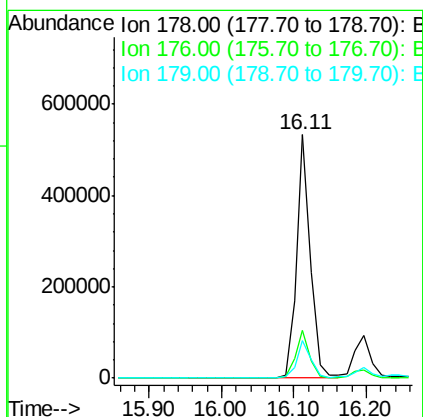
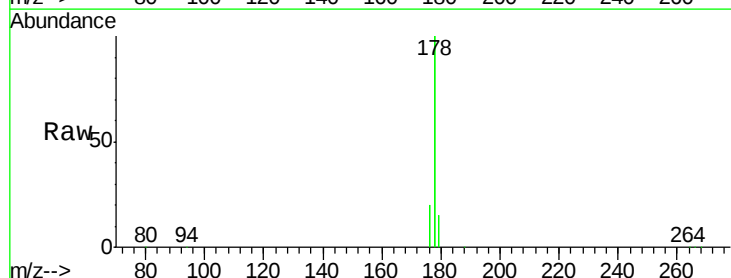
Instrument :
 BNA_E
 ClientSampleId :
 A4HR9RX

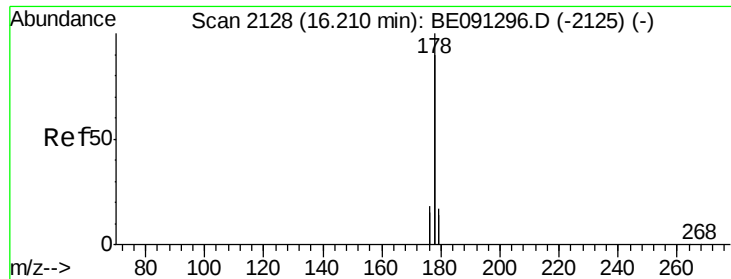
Tgt Ion: 266 Resp: 159
 Ion Ratio Lower Upper
 266 100
 264 61.6 53.5 80.3
 268 92.5 54.2 81.2#



#14
 Phenanthrene
 Concen: 3.65 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091298.D
 Acq: 23 Nov 2015 13:30

Tgt Ion: 178 Resp: 714625
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.2 12.8 19.2





#15

Anthracene

Concen: 4.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

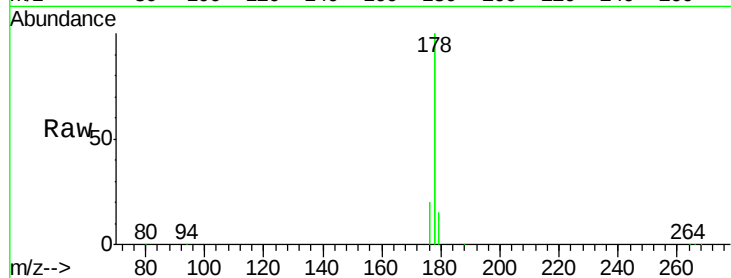
Tgt Ion:178 Resp: 713292

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

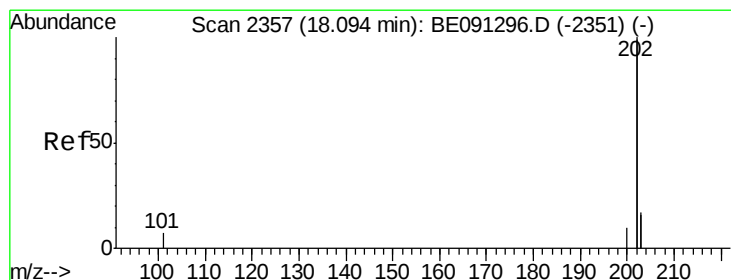
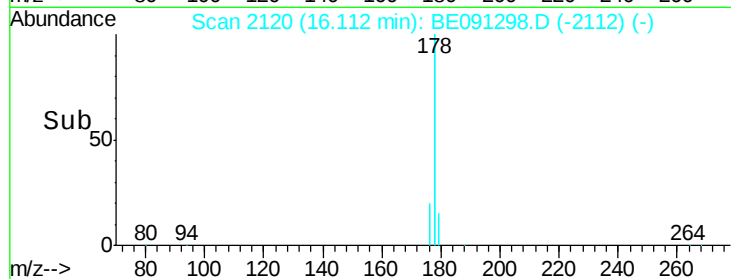
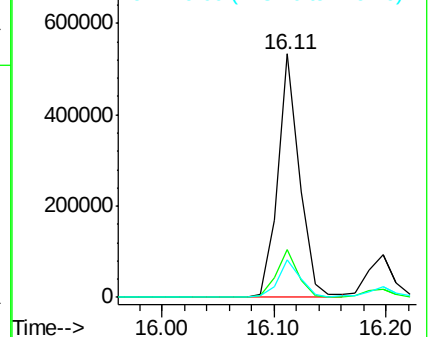
179 15.2 13.3 19.9



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: 3.72 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

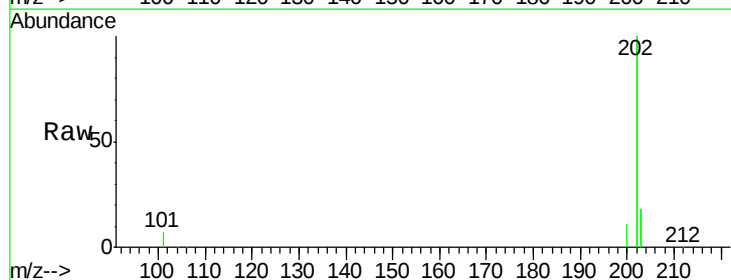
Tgt Ion:202 Resp: 852234

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

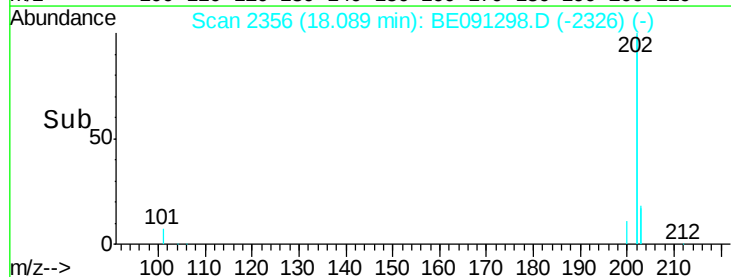
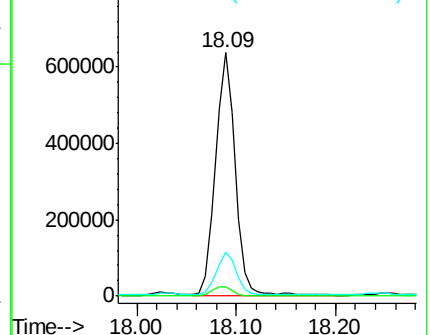
203 18.0 0.0 37.2

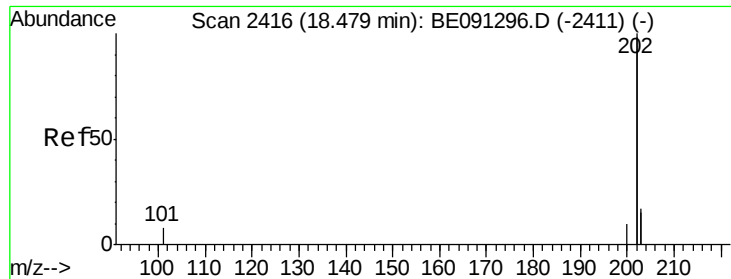


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 5.07 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

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ClientSampleId :

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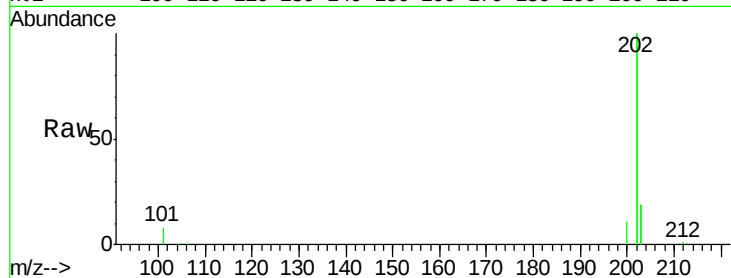
Tgt Ion:202 Resp: 1224149

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

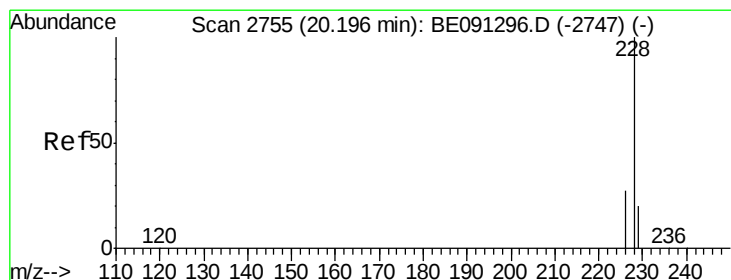
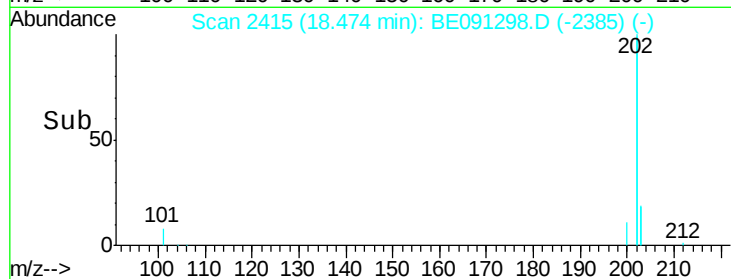
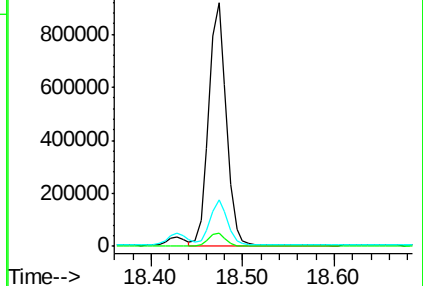
203 18.9 13.8 20.6



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: 2.46 ng/ul

RT: 20.25 min Scan# 2767

Delta R.T. 0.06 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

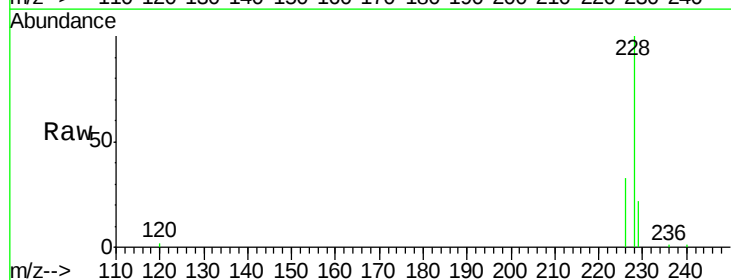
Tgt Ion:228 Resp: 134405

Ion Ratio Lower Upper

228 100

226 32.9 23.0 34.4

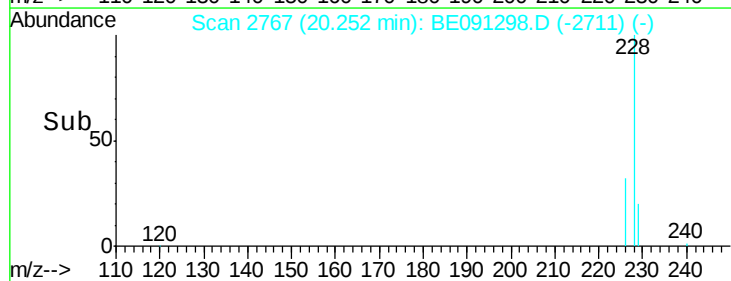
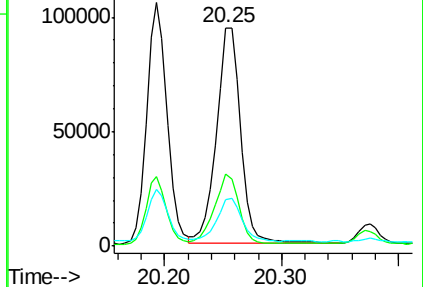
229 21.5 15.2 22.8

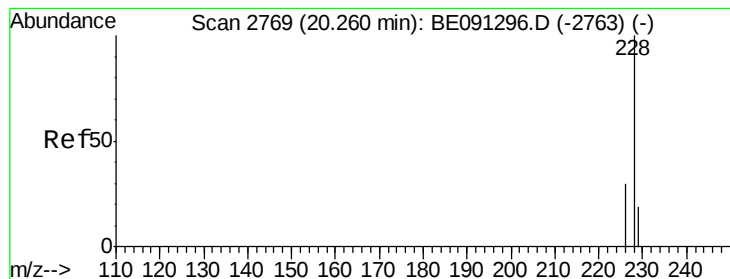


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 2.17 ng/ul

RT: 20.25 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

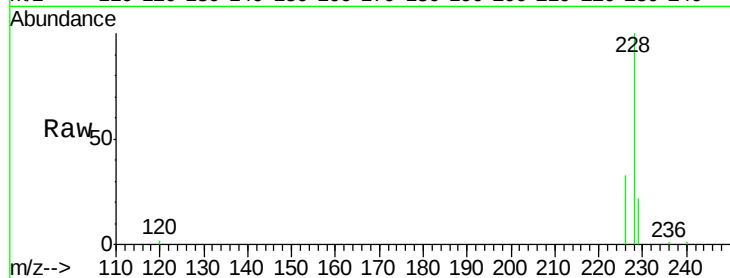
Tgt Ion:228 Resp: 136253

Ion Ratio Lower Upper

228 100

226 32.9 25.7 38.5

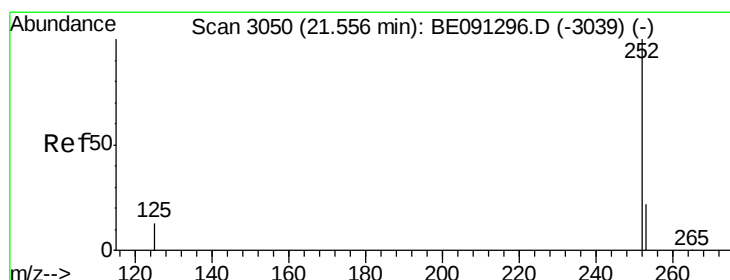
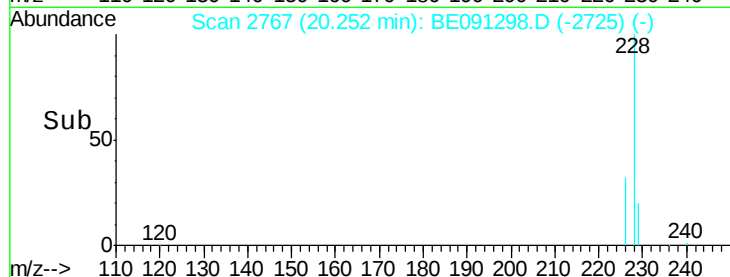
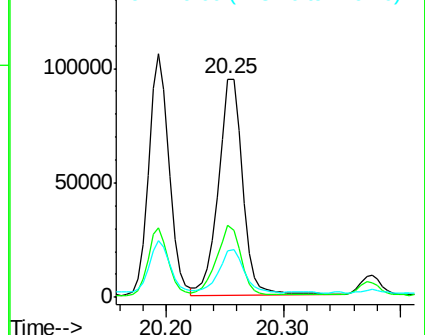
229 21.5 15.2 22.8



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: 1.03 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

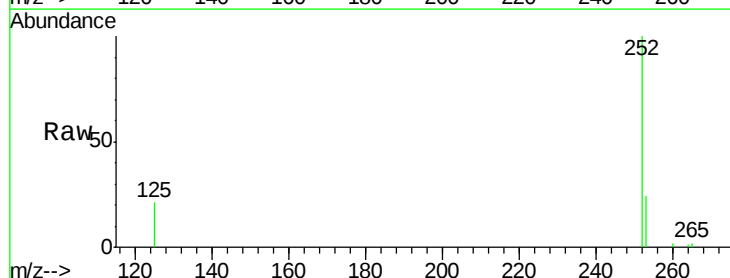
Tgt Ion:252 Resp: 68056

Ion Ratio Lower Upper

252 100

253 24.1 0.0 48.0

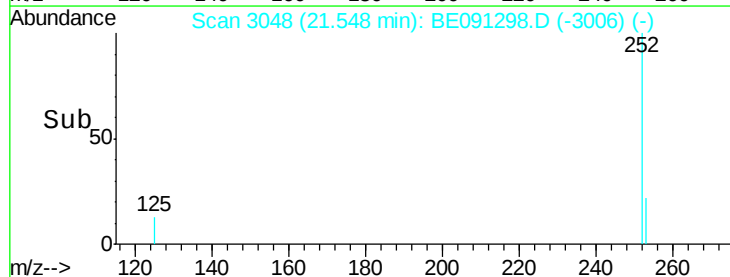
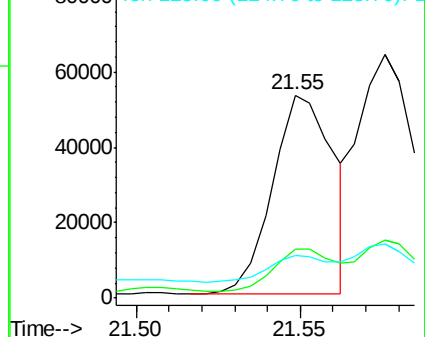
125 21.3 0.0 36.6

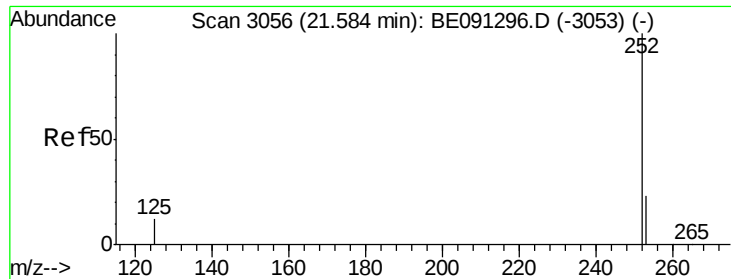


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.22 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

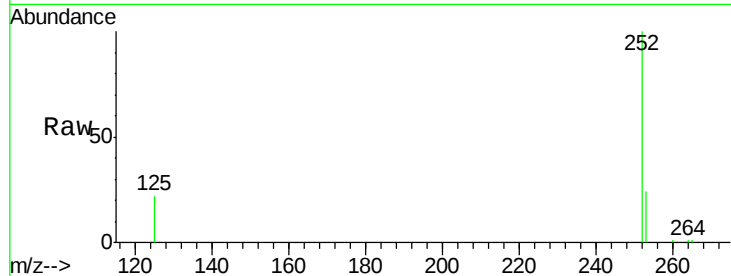
Tgt Ion:252 Resp: 82798

Ion Ratio Lower Upper

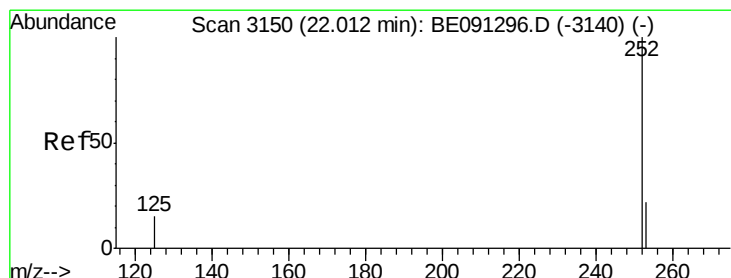
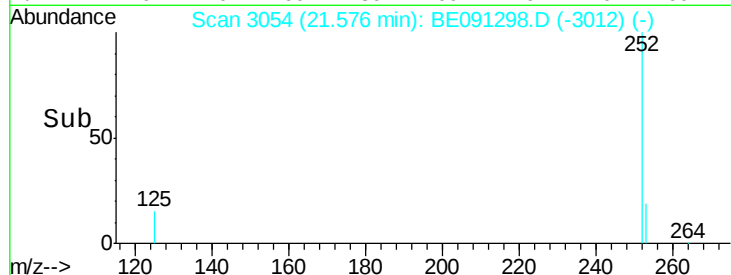
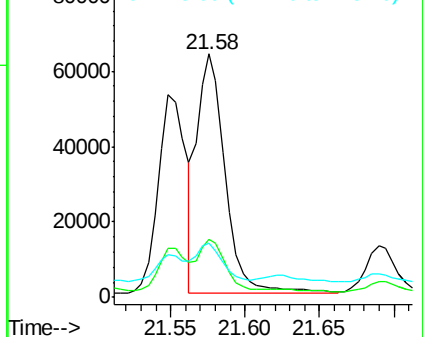
252 100

253 23.7 20.8 31.2

125 22.1 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: 1.72 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

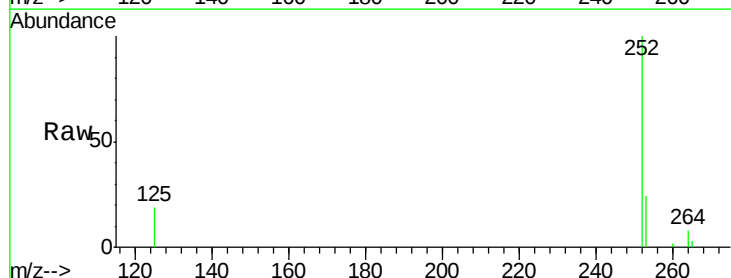
Tgt Ion:252 Resp: 104794

Ion Ratio Lower Upper

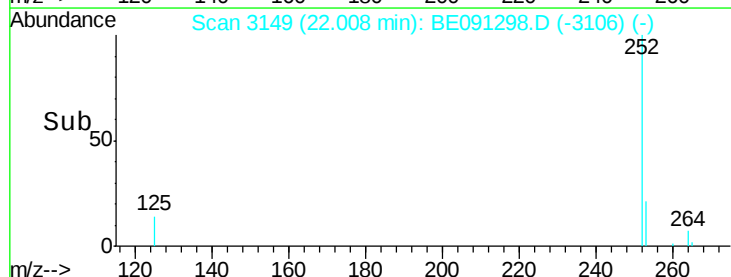
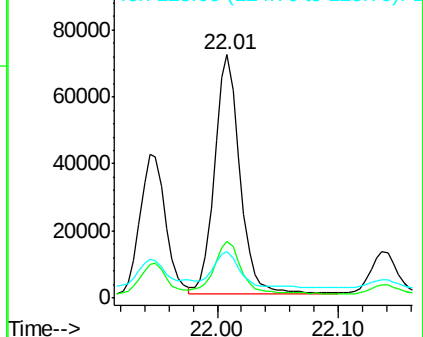
252 100

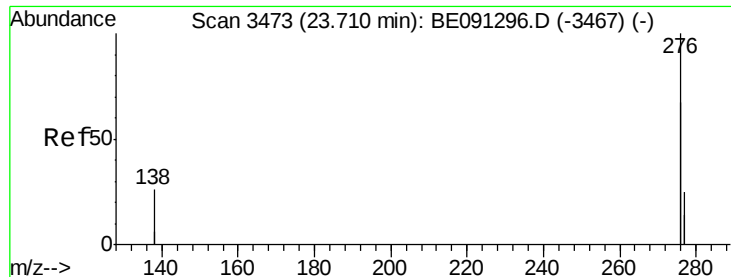
253 23.5 21.8 32.8

125 19.1 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: 0.77 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX

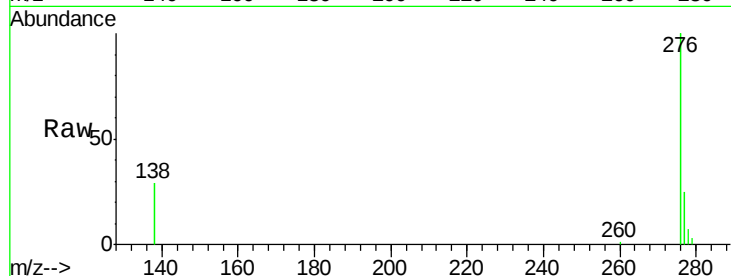
Tgt Ion:276 Resp: 197960

Ion Ratio Lower Upper

276 100

138 25.6 27.5 41.3#

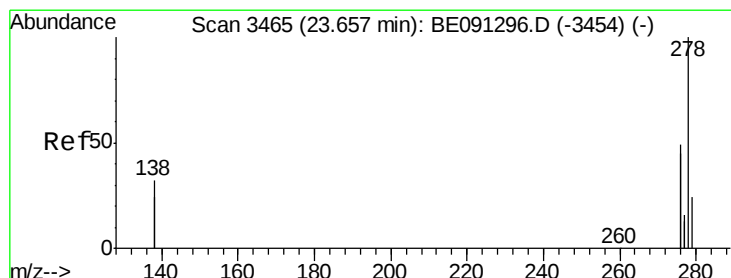
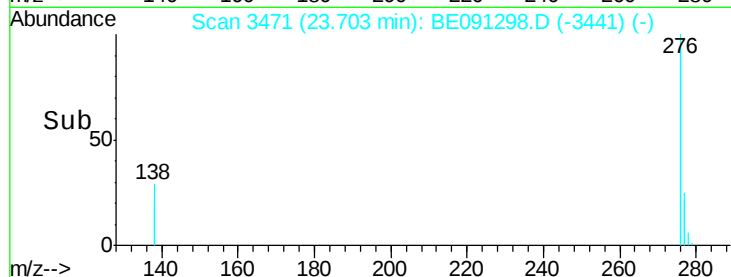
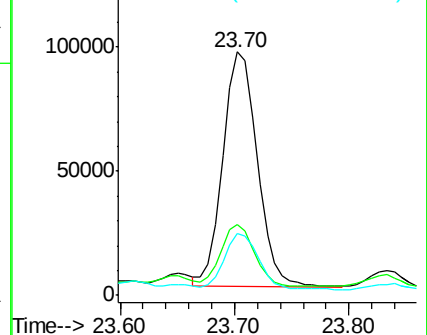
277 23.4 19.3 28.9



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: 0.31 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091298.D

Acq: 23 Nov 2015 13:30

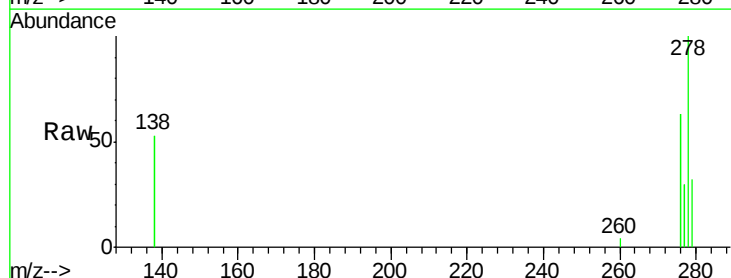
Tgt Ion:278 Resp: 19090

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

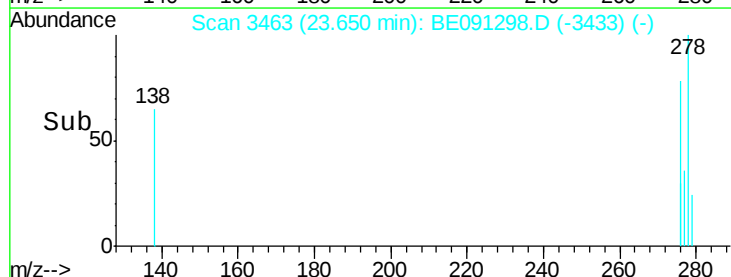
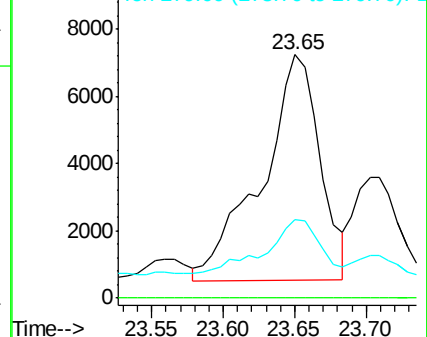
279 32.2 21.9 32.9

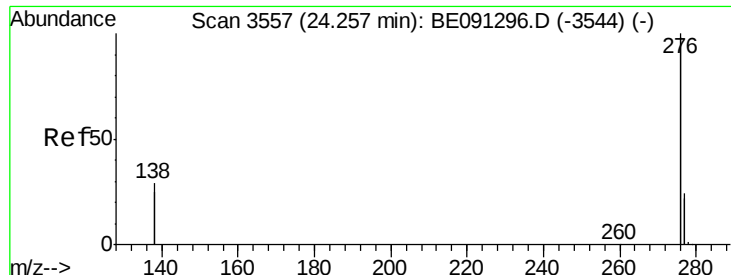


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.79 ng/ul

RT: 24.25 min Scan# 3555

Delta R.T. -0.01 min

Lab File: BE091298.D

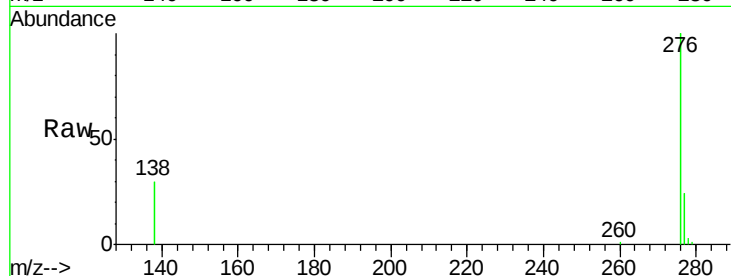
Acq: 23 Nov 2015 13:30

Instrument :

BNA_E

ClientSampleId :

A4HR9RX



Tgt Ion: 276 Resp: 213256

Ion Ratio Lower Upper

276 100

277 24.4 21.3 31.9

138 30.3 25.5 38.3

