

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091229.D
 Acq On : 18 Nov 2015 15:55
 Operator : UM/NP
 Sample : G4273-04DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AN9DL

Quant Time: Nov 19 04:30:00 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 : Thu Nov 19 04:25:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3117	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	15139	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	8238	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	26248	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	46797	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	41535	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.99	96	37	0.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.11	152	417	0.02	ng/ul	0.04
16) Fluoranthene-d10	18.07	212	1453	0.02	ng/ul	0.00

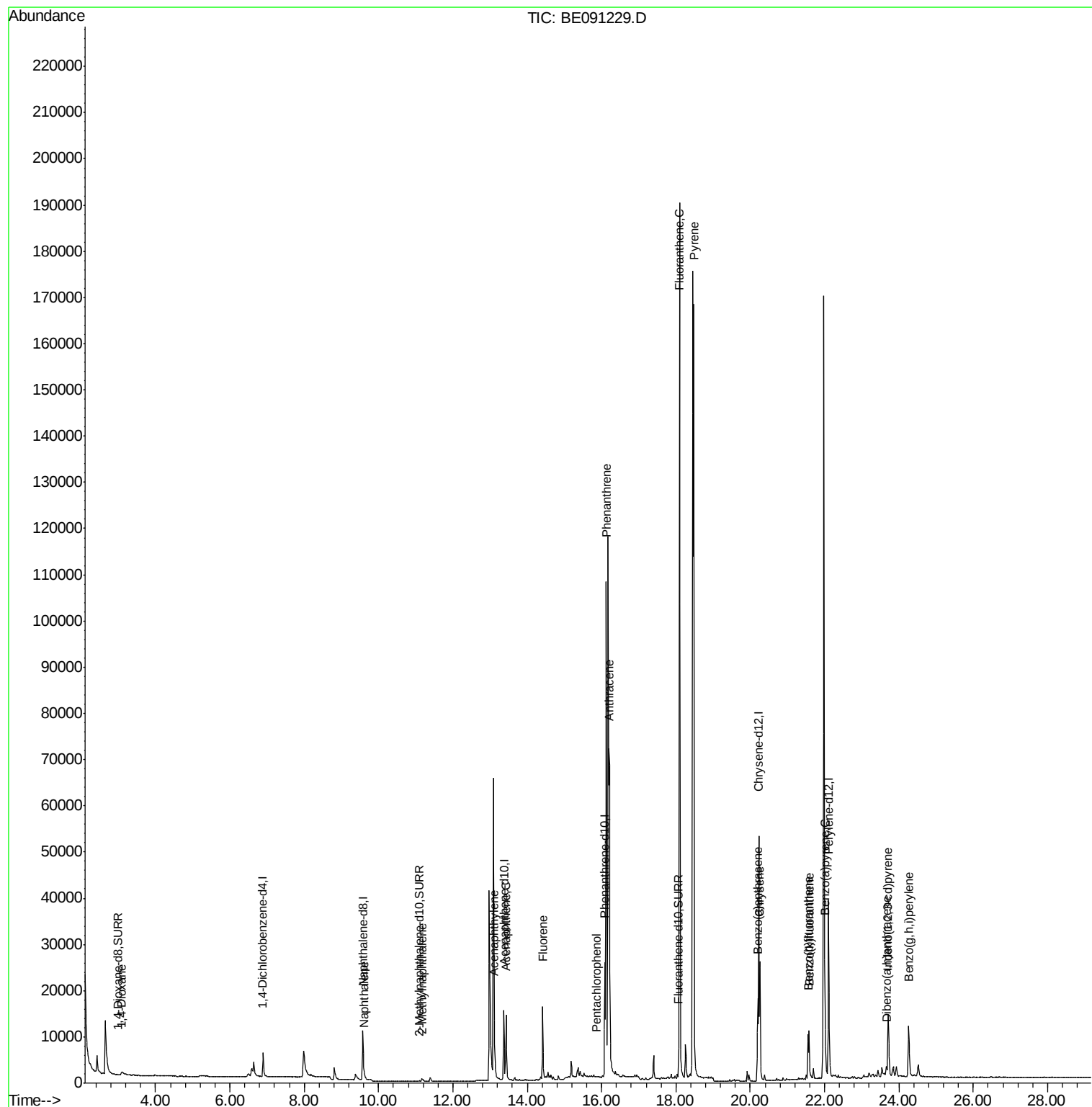
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.10	88	116	0.05	ng/ul#	51
5) Naphthalene	9.61	128	1153	0.03	ng/ul#	78
7) 2-Methylnaphthalene	11.17	142	833	0.03	ng/ul	93
9) Acenaphthylene	13.12	152	2119	0.05	ng/ul#	93
10) Acenaphthene	13.43	153	8464	0.30	ng/ul#	88
11) Fluorene	14.42	166	11075	0.31	ng/ul	93
13) Pentachlorophenol	15.87	266	27	0.01	ng/ul#	25
14) Phenanthrene	16.12	178	108226	0.36	ng/ul	98
15) Anthracene	16.21	178	89410	0.32	ng/ul	96
17) Fluoranthene	18.10	202	217338	0.61	ng/ul	88
19) Pyrene	18.48	202	177875	0.33	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	15625	0.13	ng/ul	97
21) Chrysene	20.26	228	23347	0.17	ng/ul	99
23) Benzo(b)fluoranthene	21.56	252	9419	0.07	ng/ul	96
24) Benzo(k)fluoranthene	21.58	252	10161	0.08	ng/ul	97
25) Benzo(a)pyrene	22.01	252	12180	0.10	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.71	276	18677	0.04	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	1577	0.01	ng/ul#	69
28) Benzo(g,h,i)perylene	24.26	276	18365	0.03	ng/ul	98

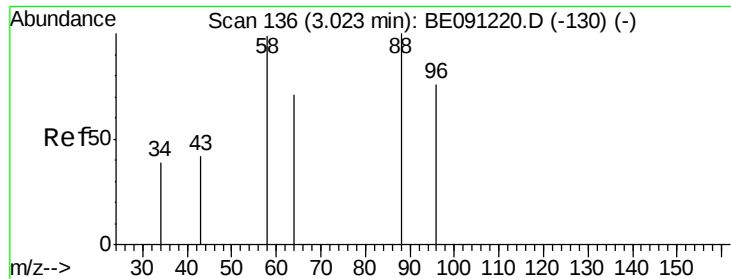
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.10 min Scan# 148

Delta R.T. 0.08 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

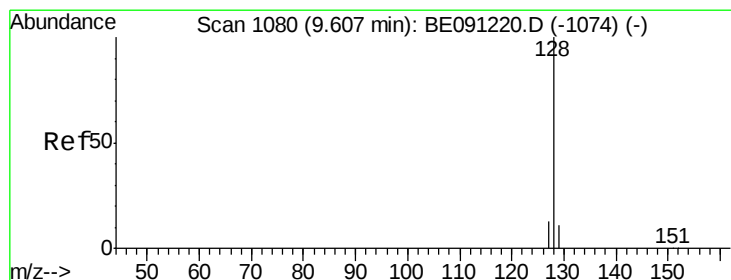
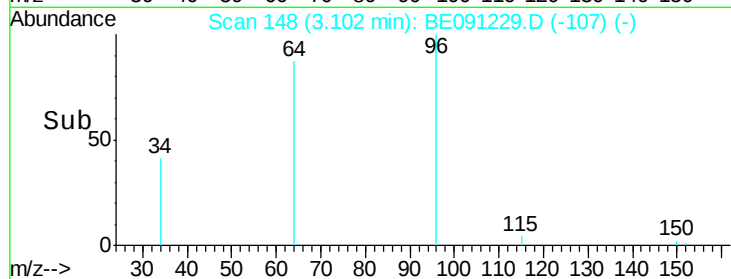
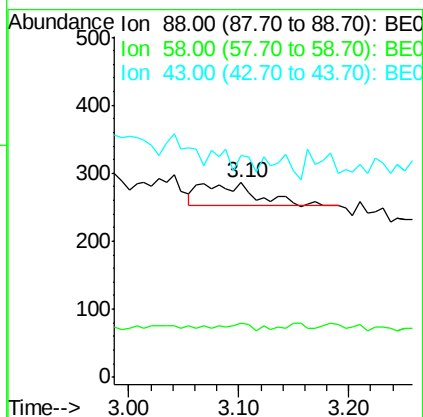
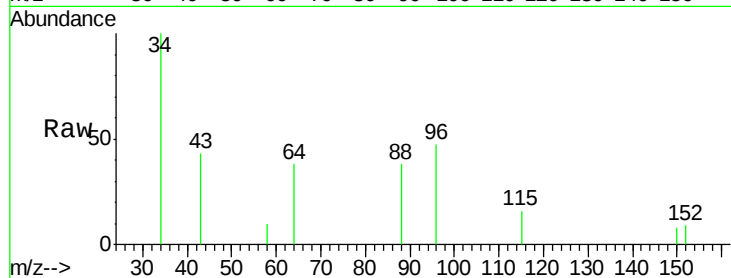
Tgt Ion: 88 Resp: 116

Ion Ratio Lower Upper

88 100

58 12.1 55.4 83.2#

43 30.2 24.2 36.2



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

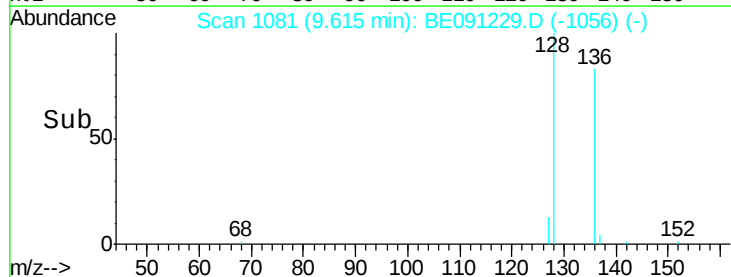
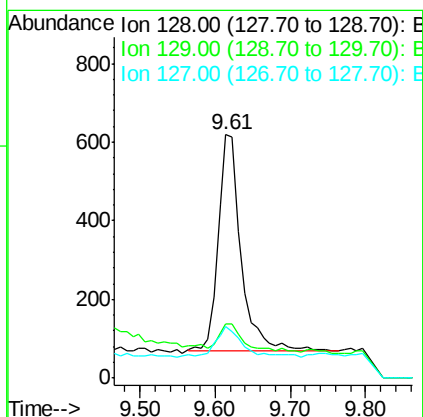
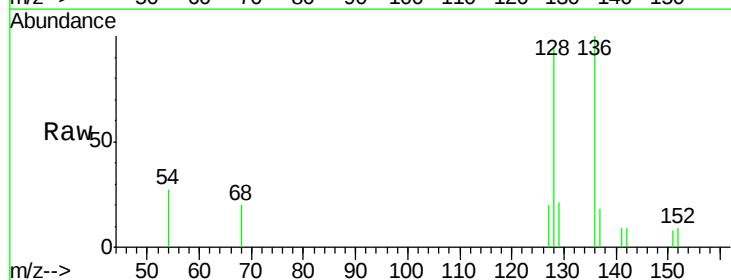
Tgt Ion: 128 Resp: 1153

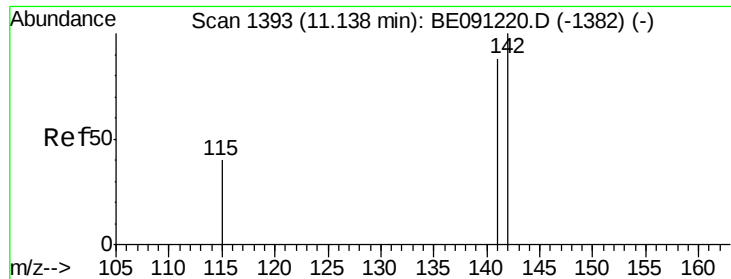
Ion Ratio Lower Upper

128 100

129 22.0 9.8 14.8#

127 21.0 10.7 16.1#





#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 11.17 min Scan# 1400

Delta R.T. 0.03 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

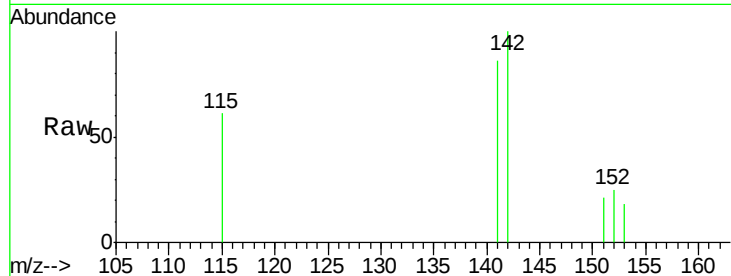
C0AN9DL

Tgt Ion:142 Resp: 833

Ion Ratio Lower Upper

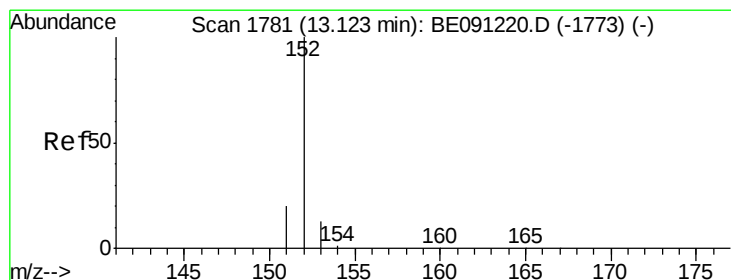
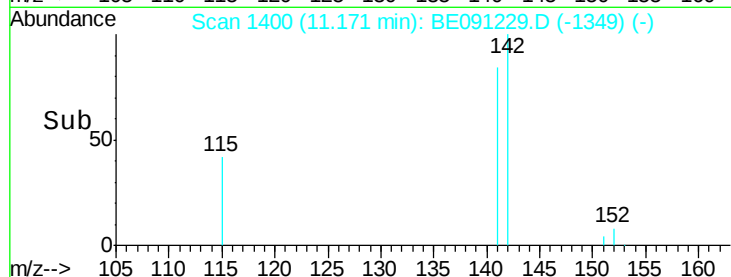
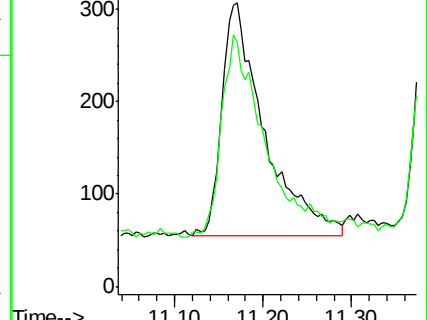
142 100

141 94.4 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: 0.05 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

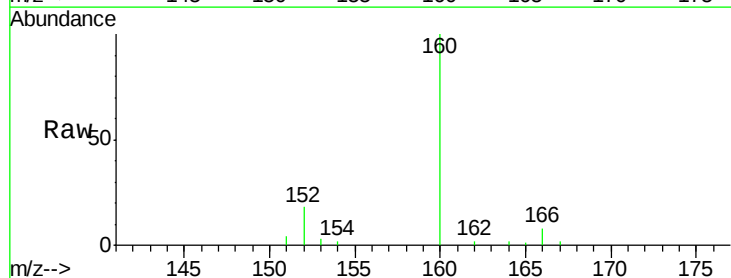
Tgt Ion:152 Resp: 2119

Ion Ratio Lower Upper

152 100

151 24.1 16.8 25.2

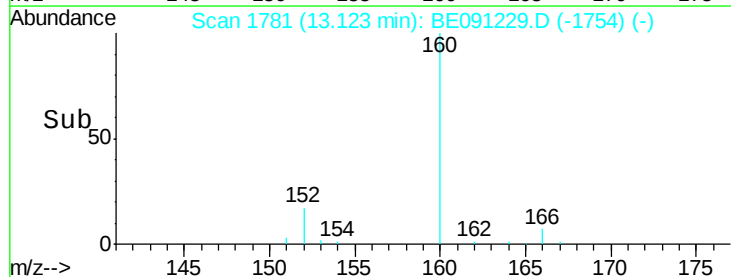
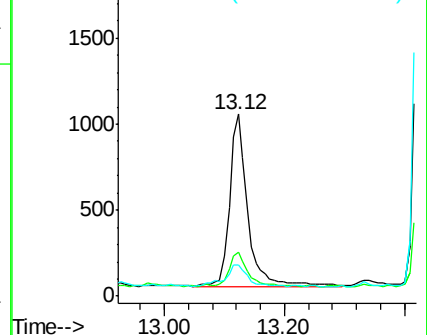
153 17.3 11.3 16.9#

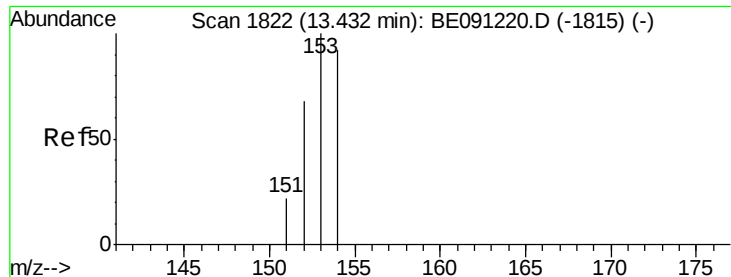


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.30 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

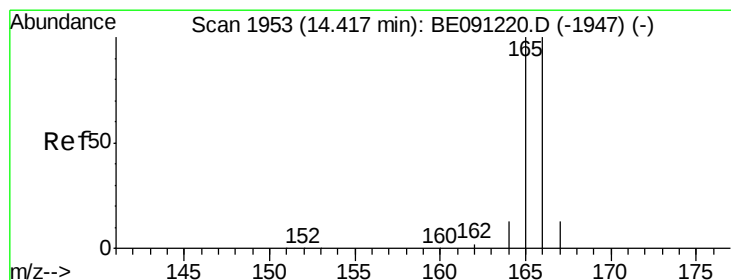
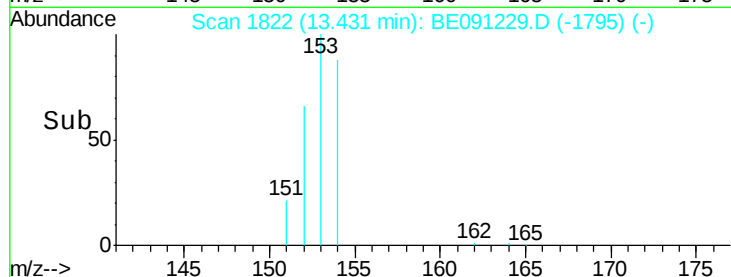
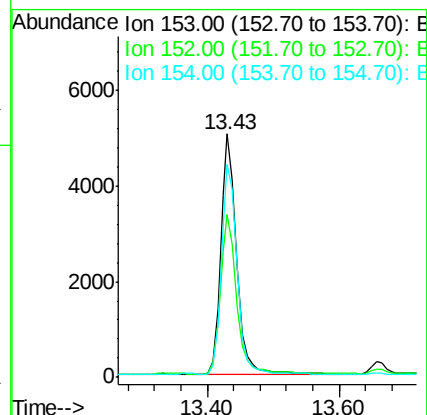
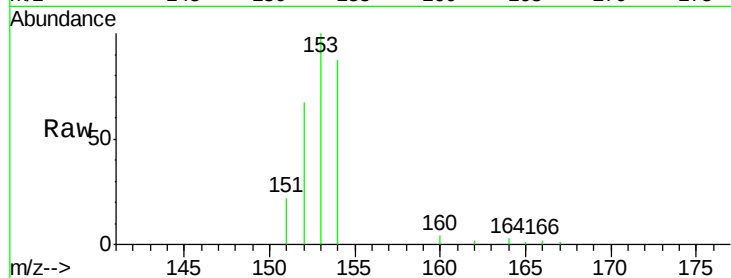
Tgt Ion:153 Resp: 8464

Ion Ratio Lower Upper

153 100

152 66.9 42.3 63.5#

154 87.5 64.7 97.1



#11

Fluorene

Concen: 0.31 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

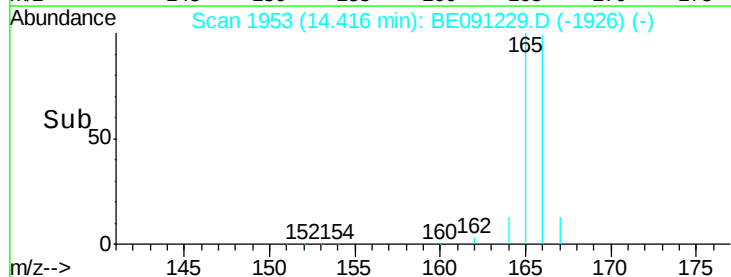
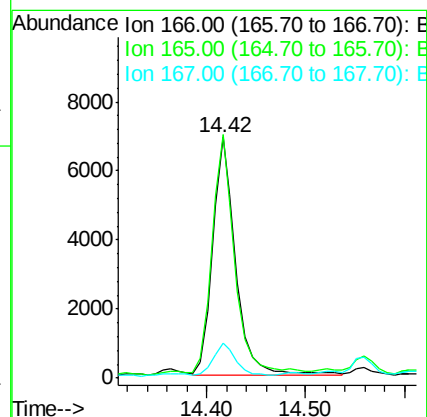
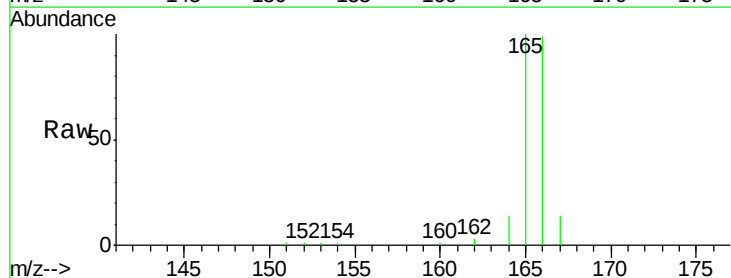
Tgt Ion:166 Resp: 11075

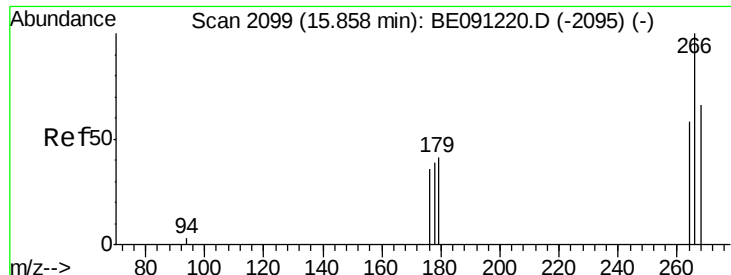
Ion Ratio Lower Upper

166 100

165 101.1 87.6 131.4

167 14.4 11.1 16.7

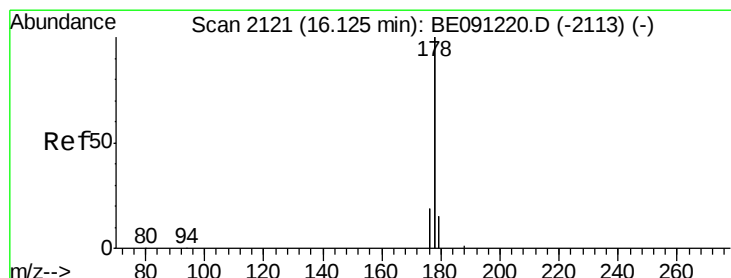
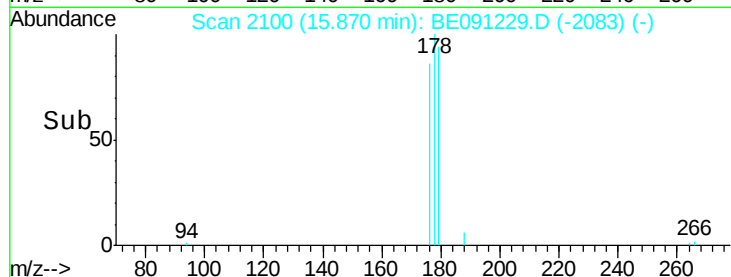
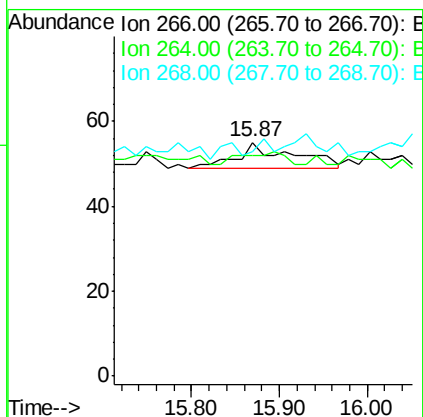
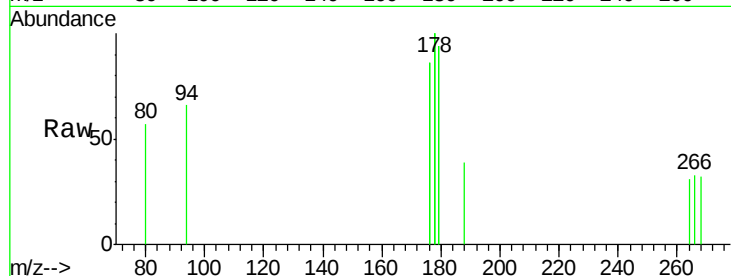




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. 0.01 min
 Lab File: BE091229.D
 Acq: 18 Nov 2015 15:55

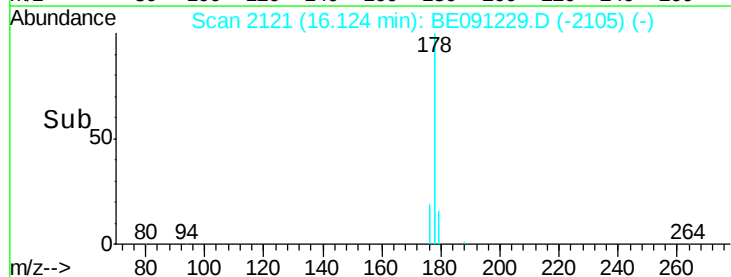
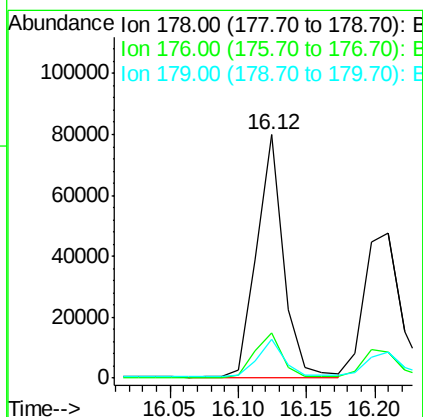
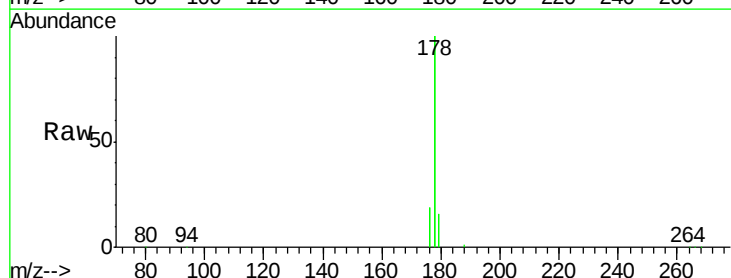
Instrument :
 BNA_E
 ClientSampleId :
 C0AN9DL

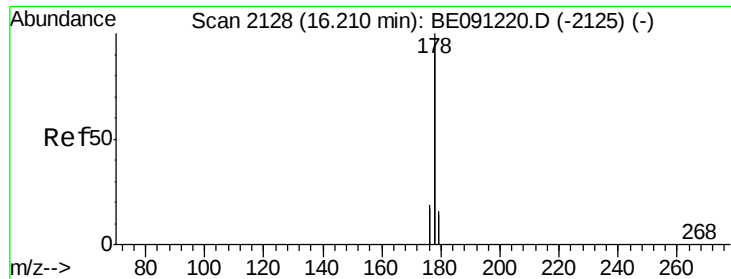
Tgt Ion: 266 Resp: 27
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 14.8 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.36 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091229.D
 Acq: 18 Nov 2015 15:55

Tgt Ion: 178 Resp: 108226
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 16.0 12.8 19.2





#15

Anthracene

Concen: 0.32 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

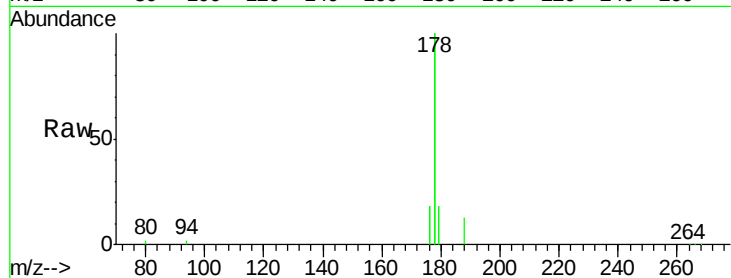
Tgt Ion:178 Resp: 89410

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

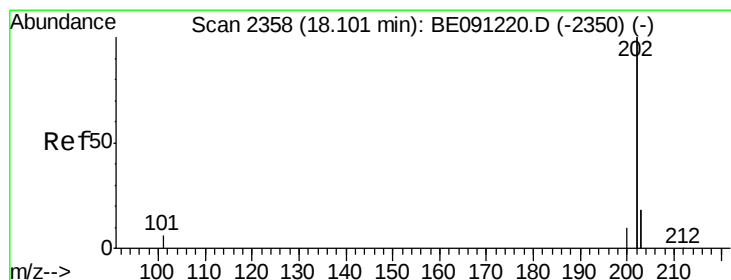
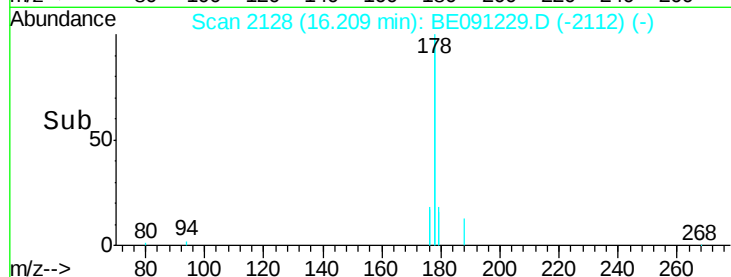
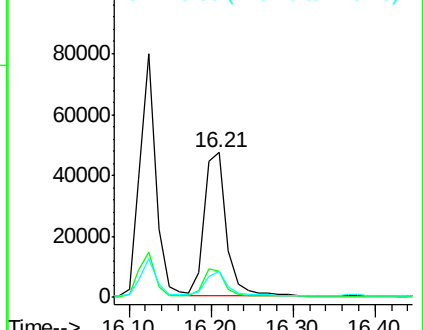
179 18.0 13.3 19.9



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: 0.61 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

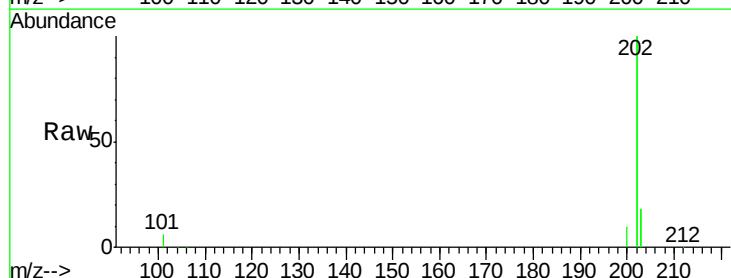
Tgt Ion:202 Resp: 217338

Ion Ratio Lower Upper

202 100

101 2.9 0.0 33.1

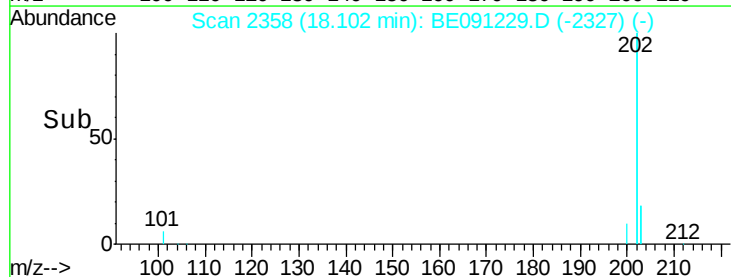
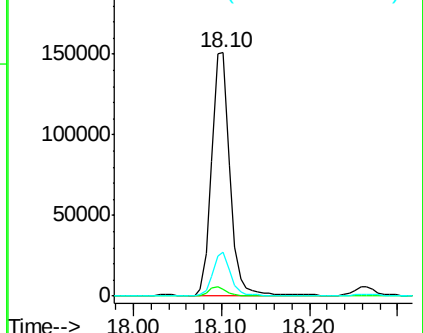
203 18.2 0.0 37.2

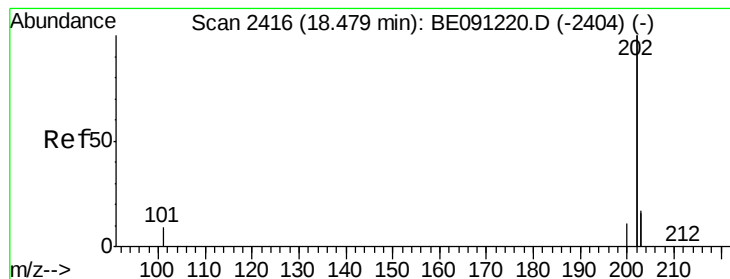


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.33 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

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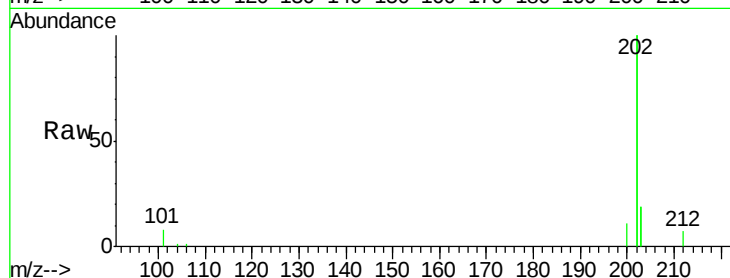
Tgt Ion:202 Resp: 177875

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

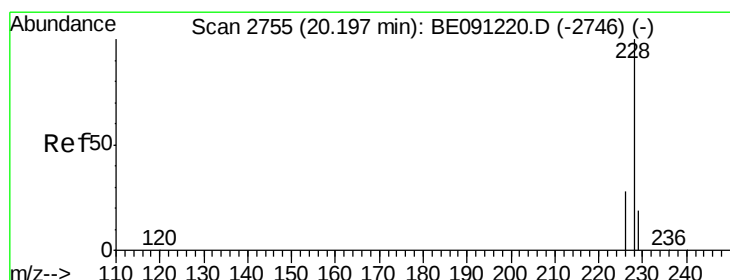
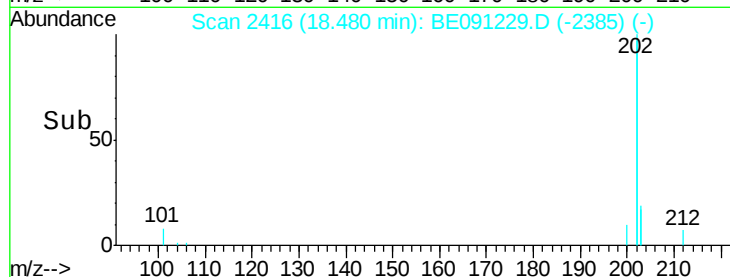
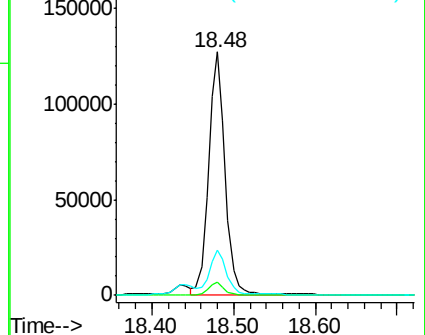
203 18.5 13.8 20.6



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: 0.13 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

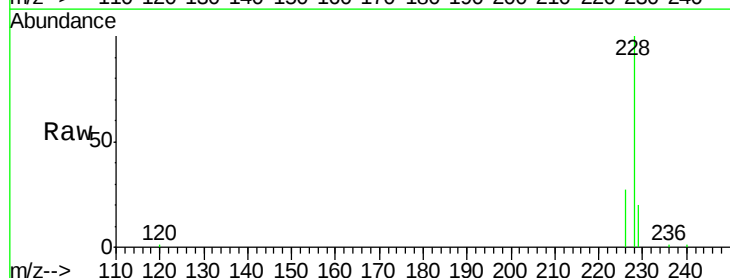
Tgt Ion:228 Resp: 15625

Ion Ratio Lower Upper

228 100

226 26.7 23.0 34.4

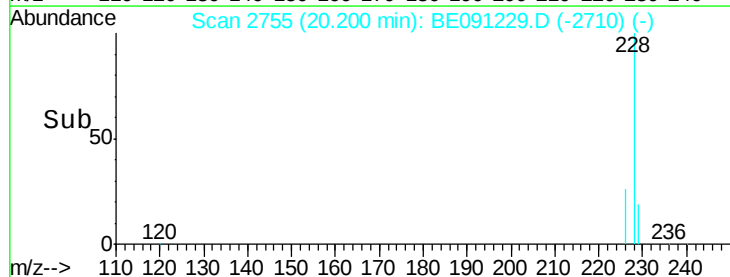
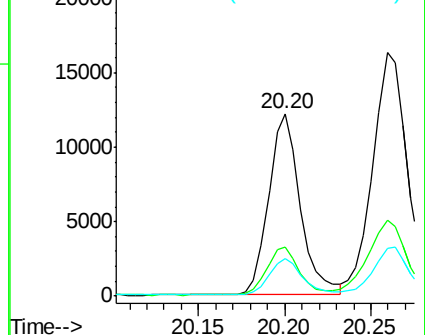
229 20.2 15.2 22.8

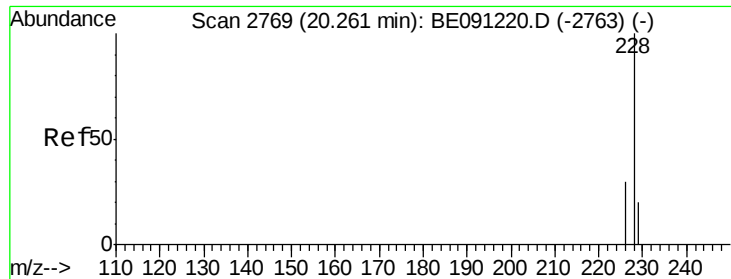


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.17 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

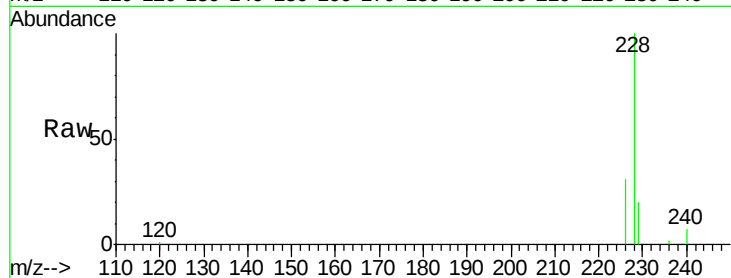
Tgt Ion:228 Resp: 23347

Ion Ratio Lower Upper

228 100

226 31.4 25.7 38.5

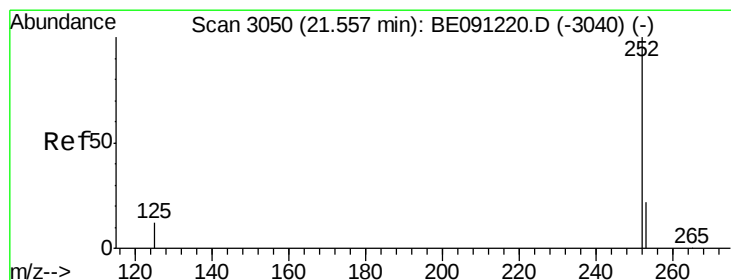
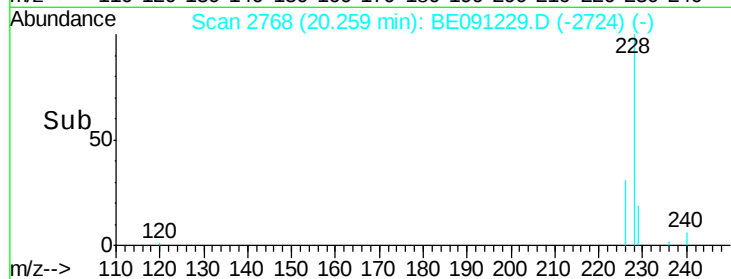
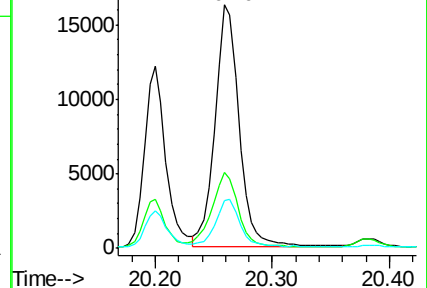
229 19.9 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

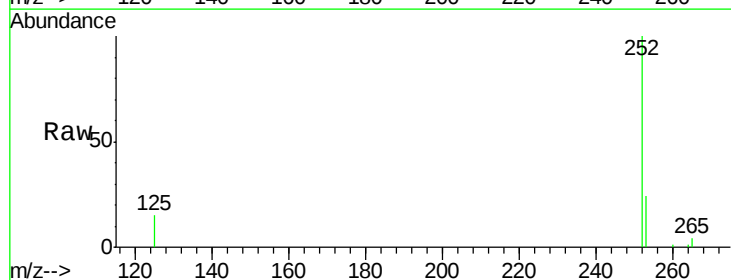
Tgt Ion:252 Resp: 9419

Ion Ratio Lower Upper

252 100

253 24.3 0.0 48.0

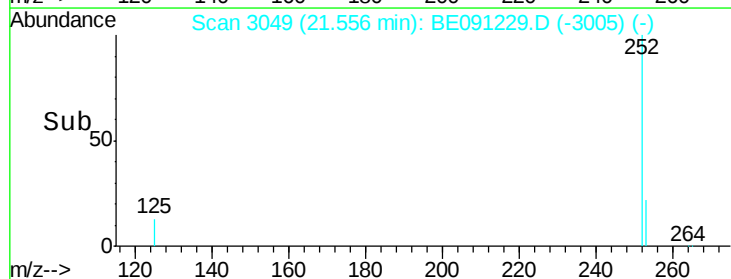
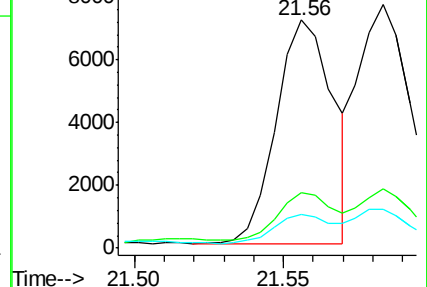
125 14.6 0.0 36.6

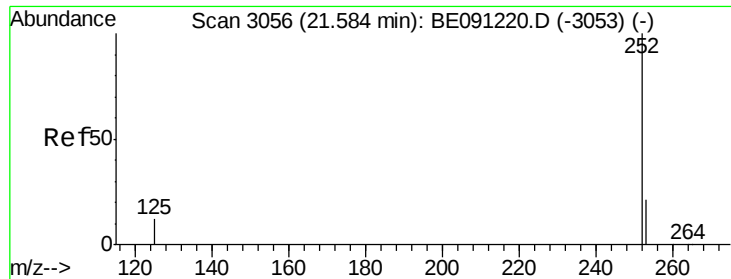


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.08 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

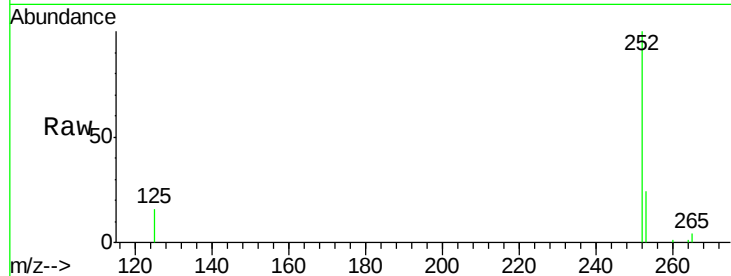
Tgt Ion:252 Resp: 10161

Ion Ratio Lower Upper

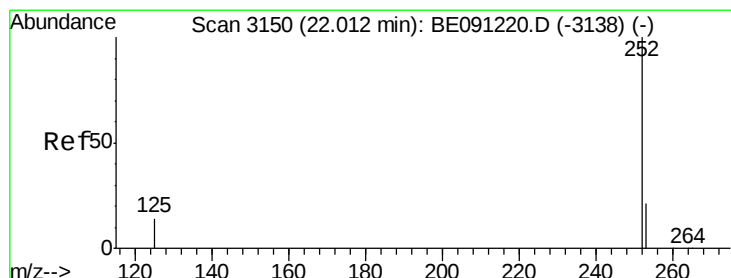
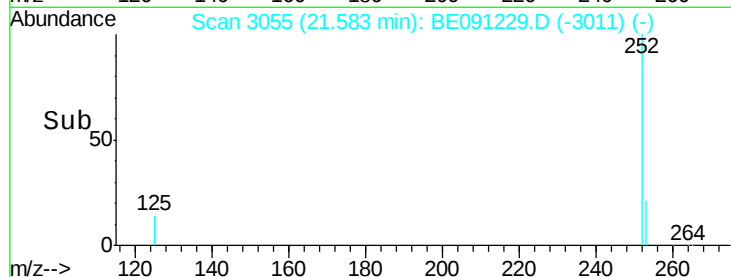
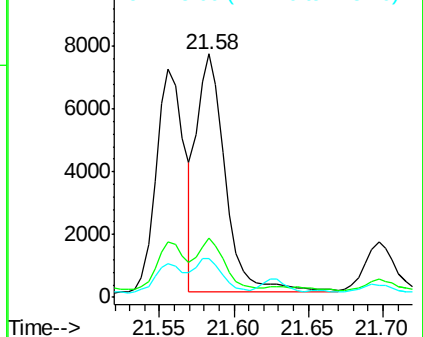
252 100

253 24.2 20.8 31.2

125 16.0 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: 0.10 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

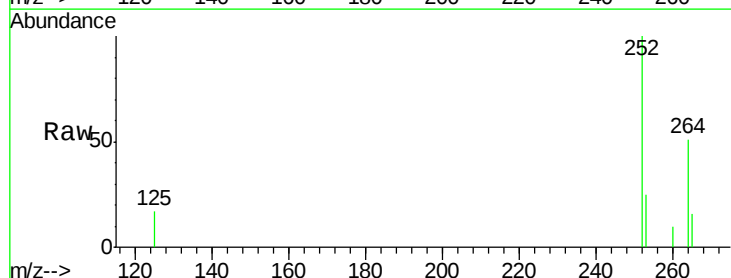
Tgt Ion:252 Resp: 12180

Ion Ratio Lower Upper

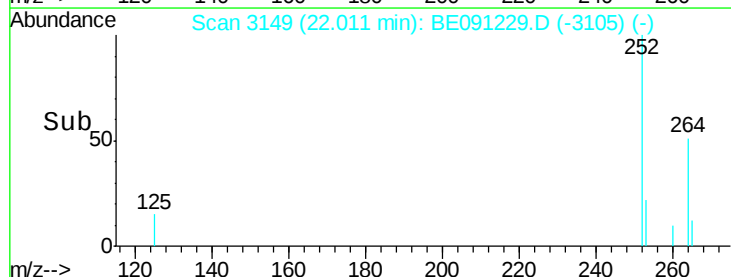
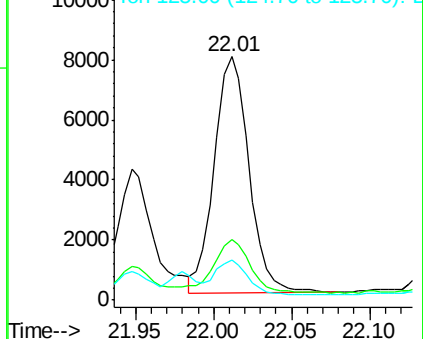
252 100

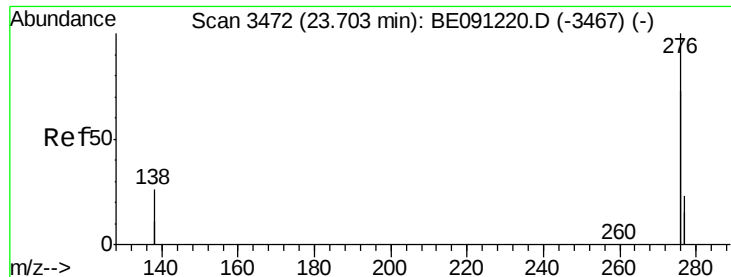
253 24.8 21.8 32.8

125 16.6 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: 0.04 ng/ul

RT: 23.71 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL

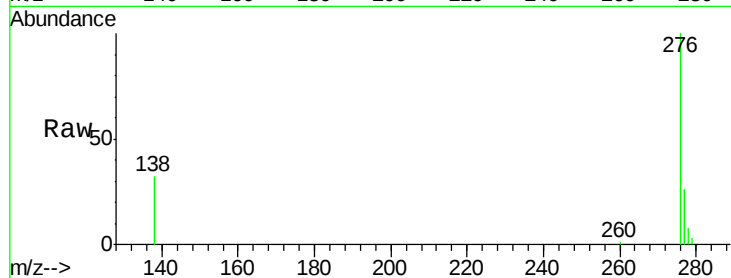
Tgt Ion:276 Resp: 18677

Ion Ratio Lower Upper

276 100

138 26.8 27.5 41.3#

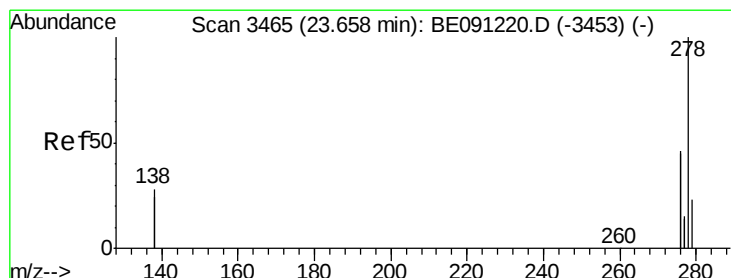
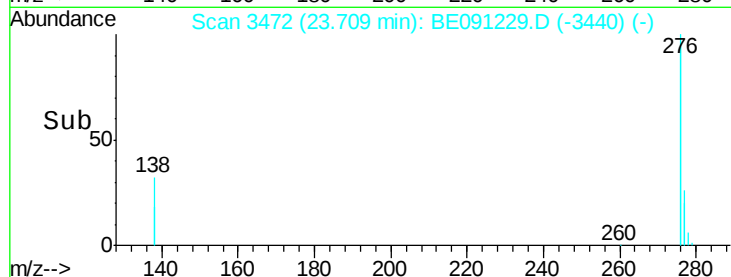
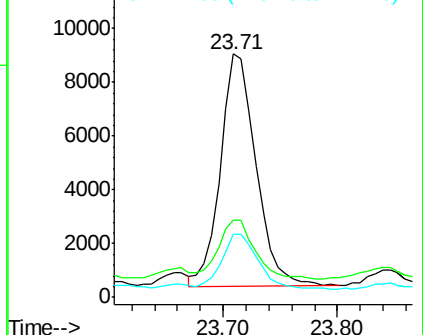
277 23.9 19.3 28.9



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: 0.01 ng/ul

RT: 23.66 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BE091229.D

Acq: 18 Nov 2015 15:55

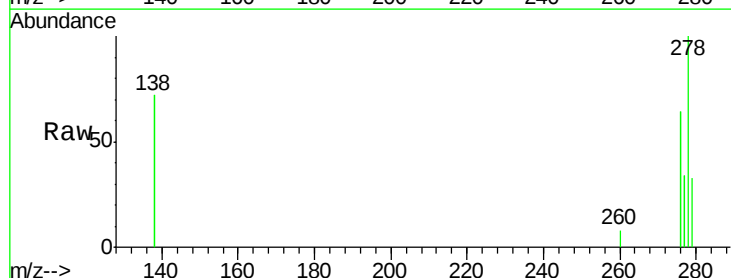
Tgt Ion:278 Resp: 1577

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

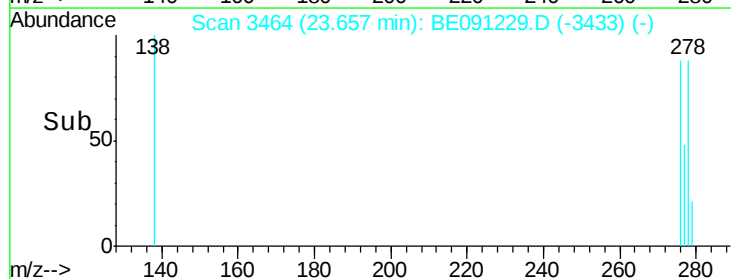
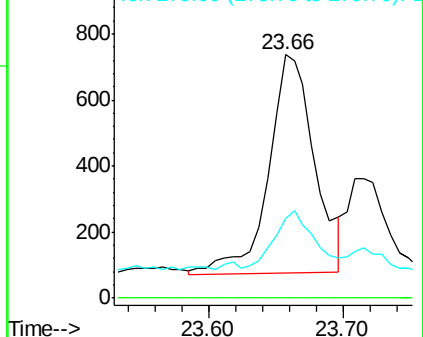
279 32.7 21.9 32.9

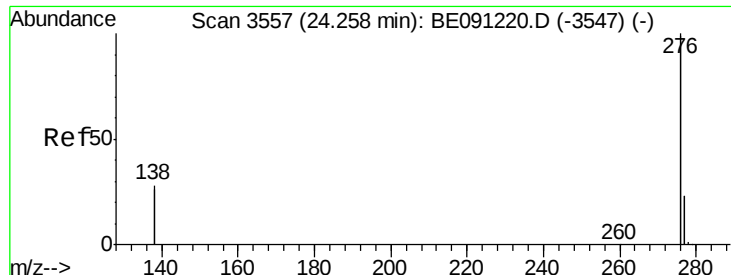


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.03 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BE091229.D

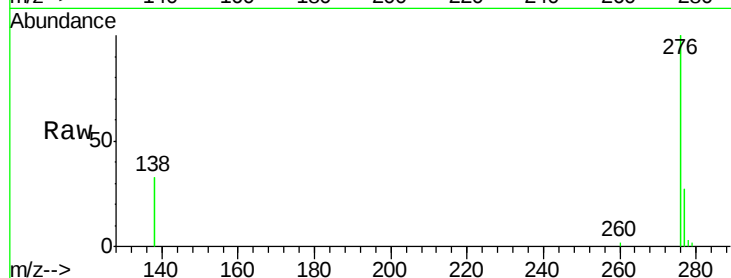
Acq: 18 Nov 2015 15:55

Instrument :

BNA_E

ClientSampleId :

C0AN9DL



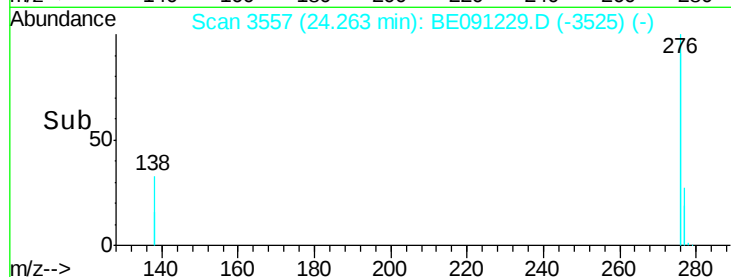
Tgt Ion: 276 Resp: 18365

Ion Ratio Lower Upper

276 100

277 27.0 21.3 31.9

138 33.2 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

