

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091301.D
 Acq On : 23 Nov 2015 15:56
 Operator : UM/NP
 Sample : G4345-21DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

Quant Time: Nov 24 00:40:13 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	6.89	152	1943	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	8992	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4560	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	12910	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	18059	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	16500	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.00	96	970	0.69	ng/uL	0.05
6) 2-Methylnaphthalene-d10	11.07	152	186	0.02	ng/ul	0.01
16) Fluoranthene-d10	18.06	212	507	0.01	ng/ul	0.00

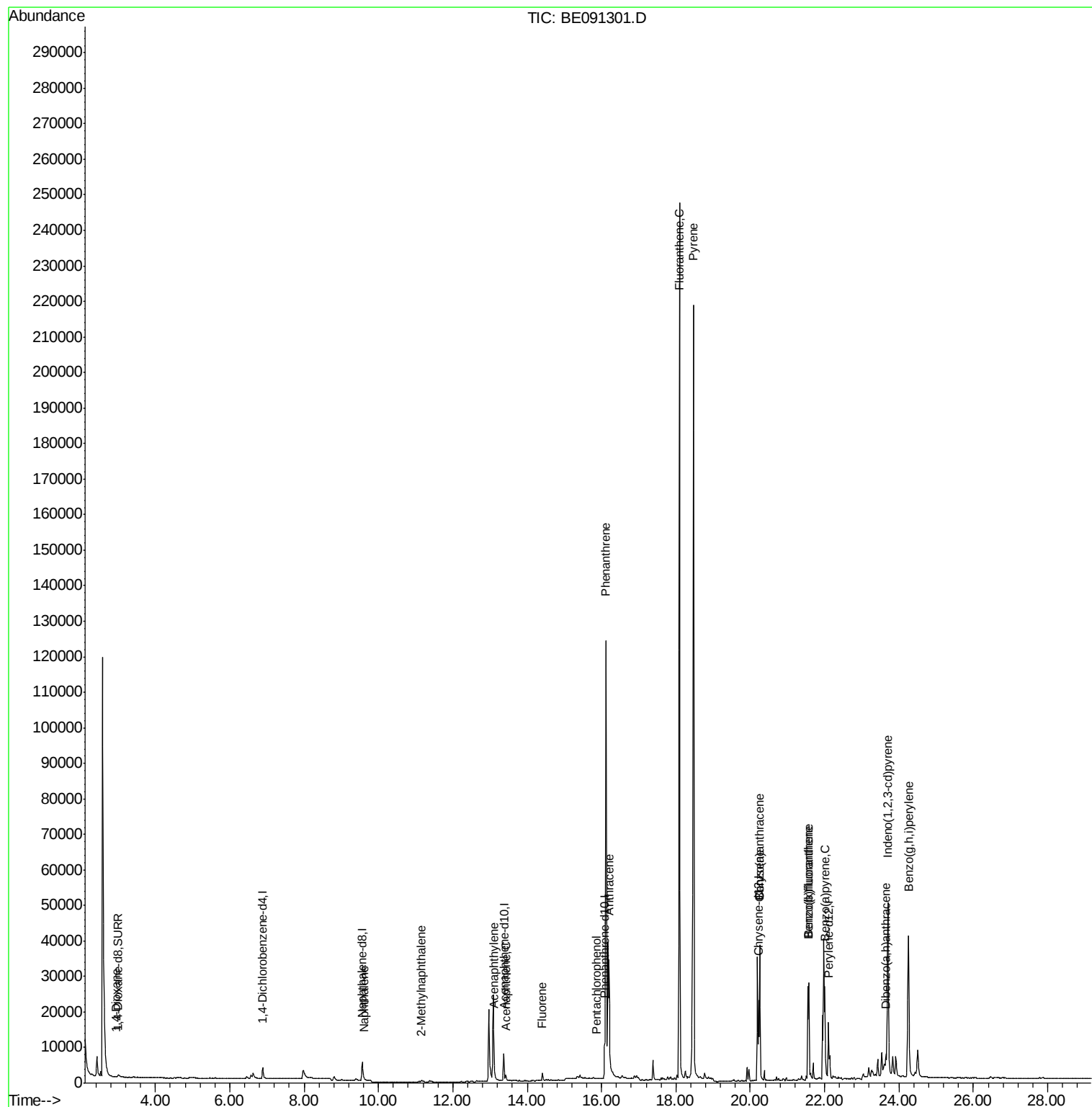
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.93	88	87	0.06	ng/ul#	39
5) Naphthalene	9.61	128	745	0.03	ng/ul#	68
7) 2-Methylnaphthalene	11.15	142	541	0.04	ng/ul	94
9) Acenaphthylene	13.11	152	929	0.04	ng/ul#	73
10) Acenaphthene	13.42	153	920	0.06	ng/ul#	81
11) Fluorene	14.41	166	1582	0.08	ng/ul#	97
13) Pentachlorophenol	15.87	266	41	0.03	ng/ul#	67
14) Phenanthrene	16.11	178	161090	1.08	ng/ul	97
15) Anthracene	16.20	178	38434	0.28	ng/ul	96
17) Fluoranthene	18.10	202	272392	1.56	ng/ul	88
19) Pyrene	18.47	202	231912	1.13	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	34798	0.75	ng/ul	97
21) Chrysene	20.26	228	35337	0.66	ng/ul	97
23) Benzo(b)fluoranthene	21.55	252	28461	0.55	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	24506	0.46	ng/ul	95
25) Benzo(a)pyrene	22.01	252	27897	0.59	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.70	276	65677	0.33	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	5416	0.11	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	65035	0.31	ng/ul	95

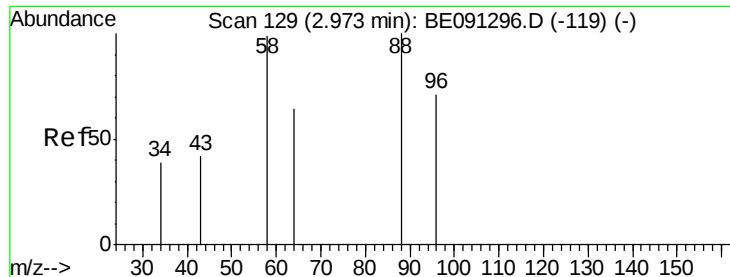
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.06 ng/ul

RT: 2.93 min Scan# 122

Delta R.T. -0.04 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

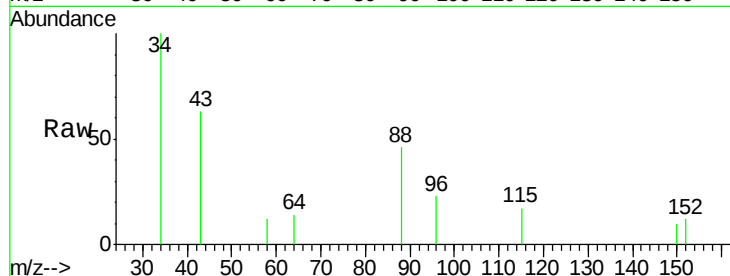
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

58 17.2 55.4 83.2#

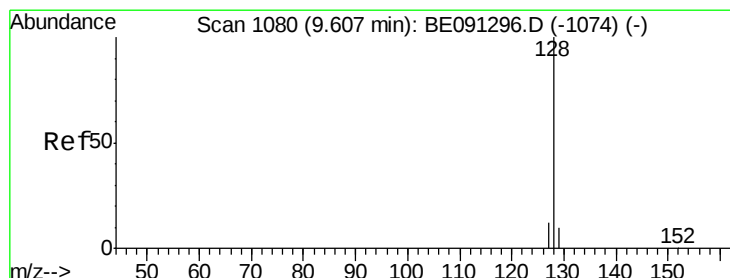
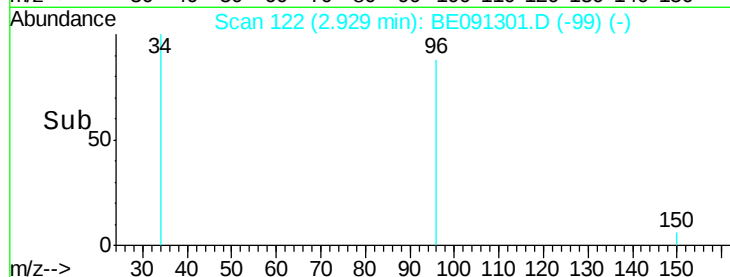
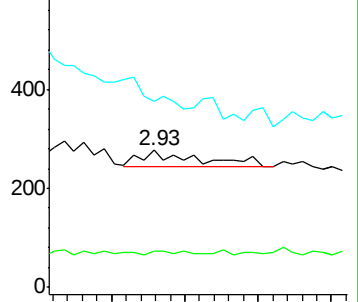
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

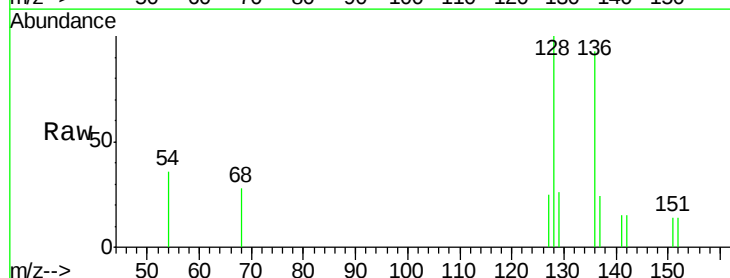
Tgt Ion: 128 Resp: 745

Ion Ratio Lower Upper

128 100

129 26.5 9.8 14.8#

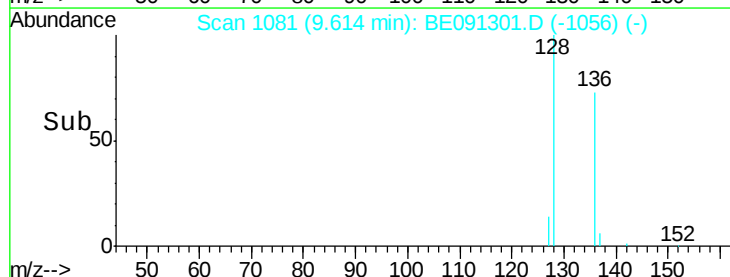
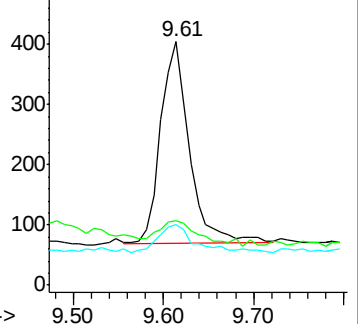
127 25.0 10.7 16.1#

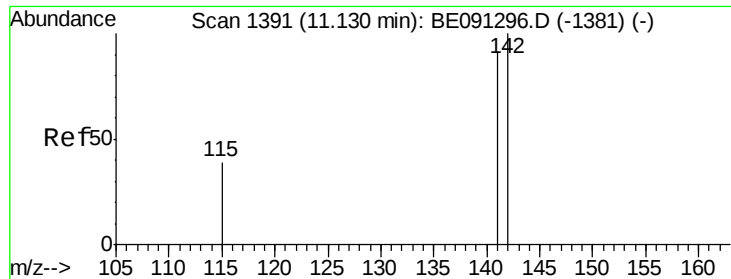


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.04 ng/ul

RT: 11.15 min Scan# 1396

Delta R.T. 0.02 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

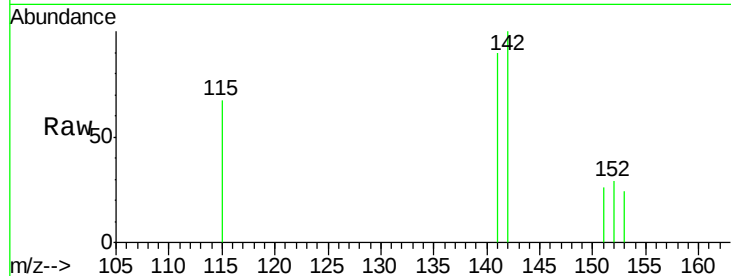
A4J66DL

Tgt Ion:142 Resp: 541

Ion Ratio Lower Upper

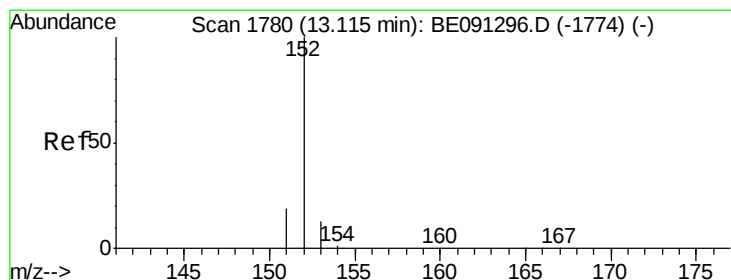
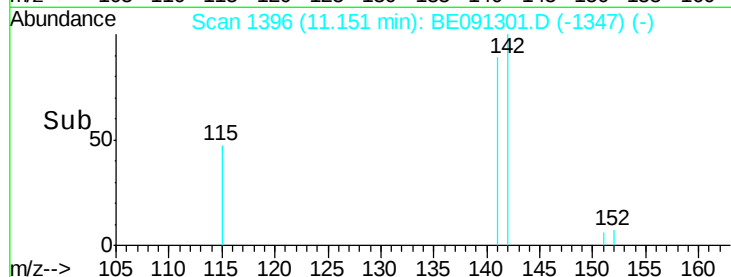
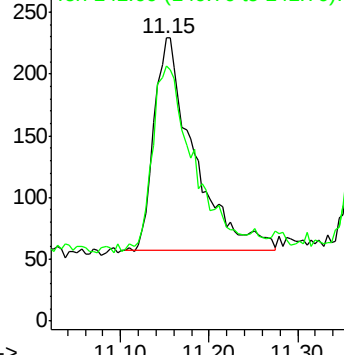
142 100

141 93.9 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: 0.04 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

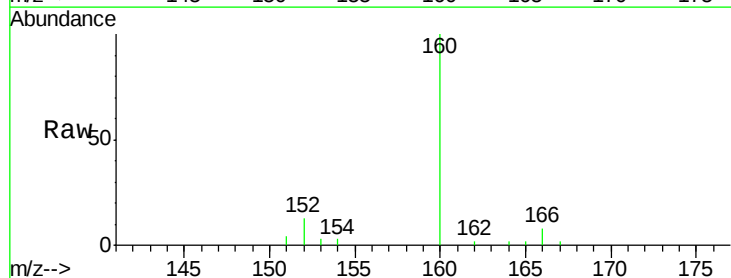
Tgt Ion:152 Resp: 929

Ion Ratio Lower Upper

152 100

151 33.4 16.8 25.2#

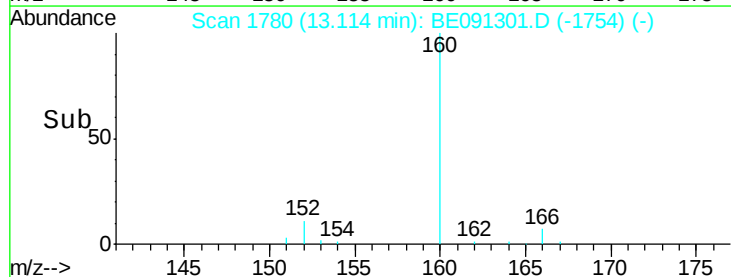
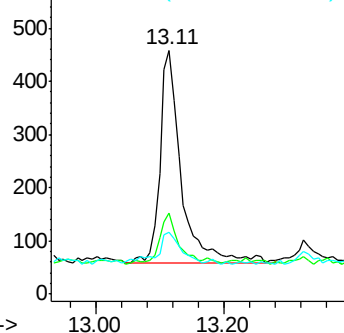
153 25.1 11.3 16.9#

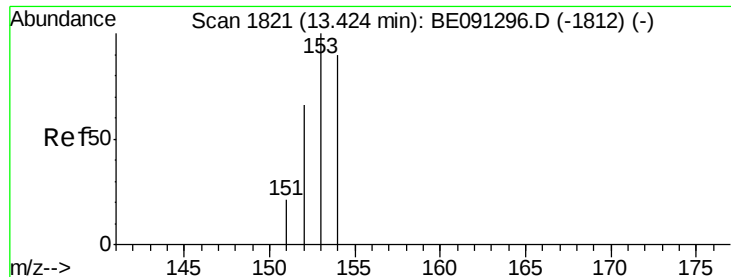


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

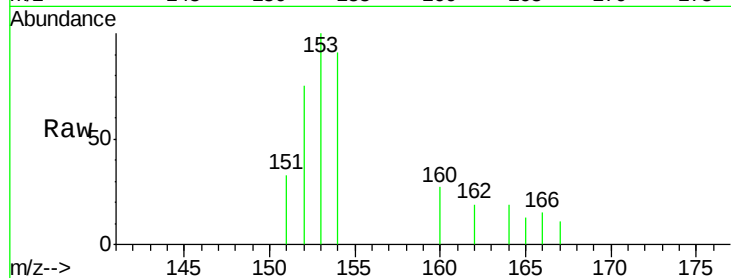
Tgt Ion:153 Resp: 920

Ion Ratio Lower Upper

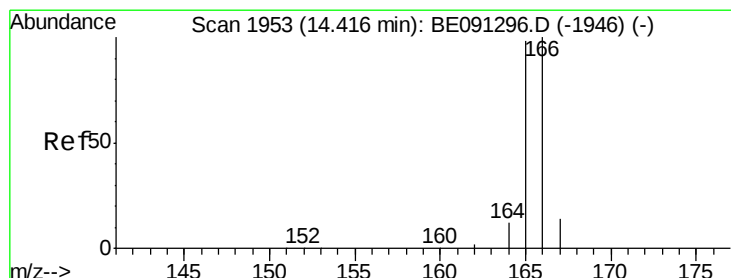
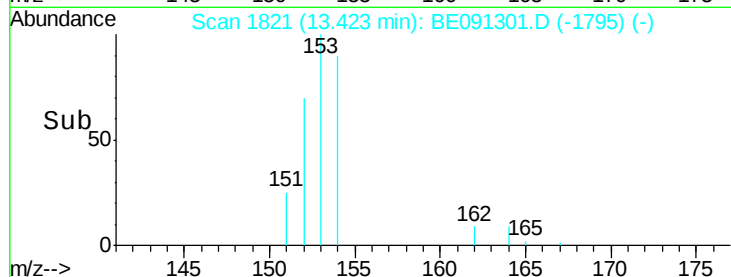
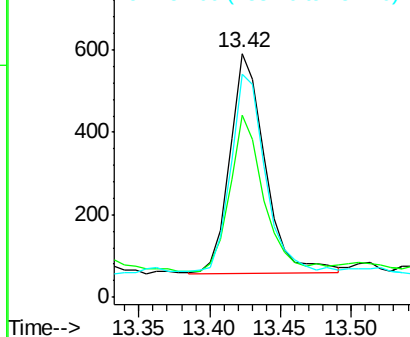
153 100

152 74.8 42.3 63.5#

154 91.4 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: 0.08 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

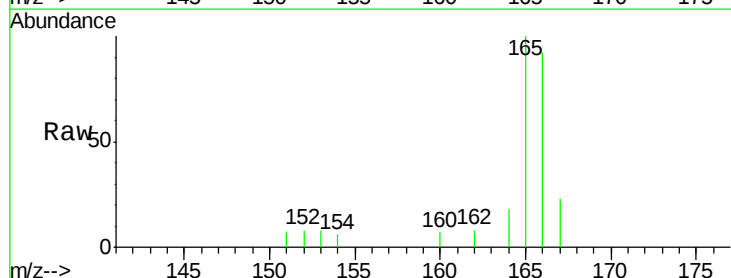
Tgt Ion:166 Resp: 1582

Ion Ratio Lower Upper

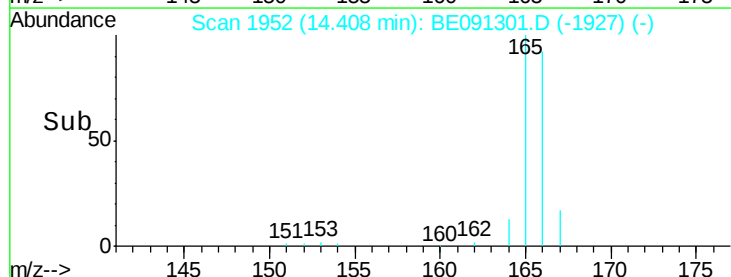
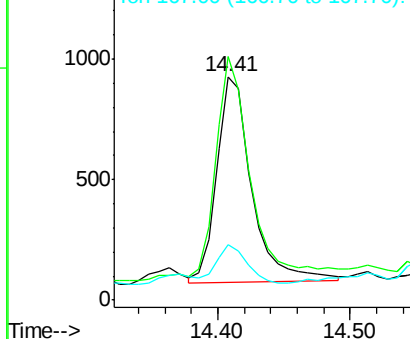
166 100

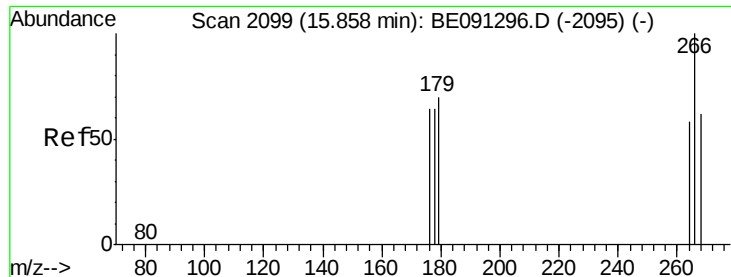
165 109.1 87.6 131.4

167 24.7 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

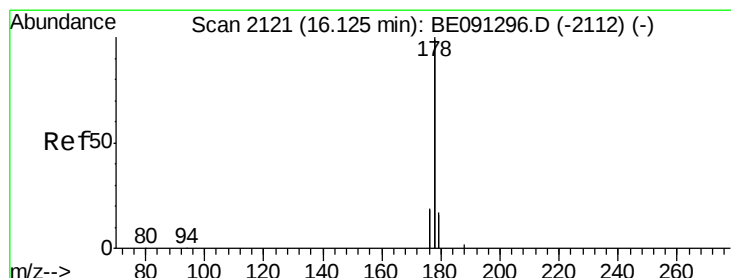
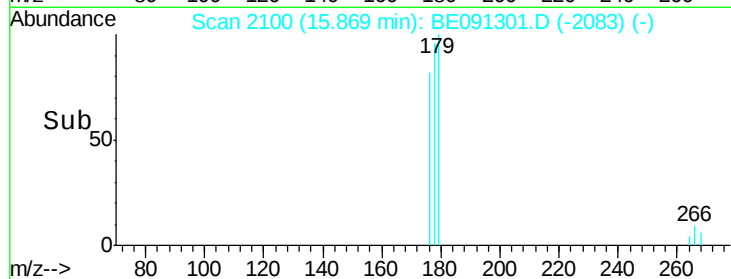
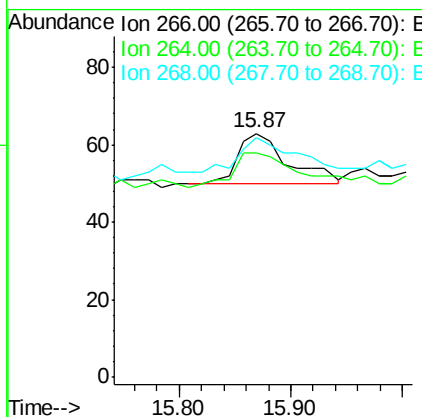
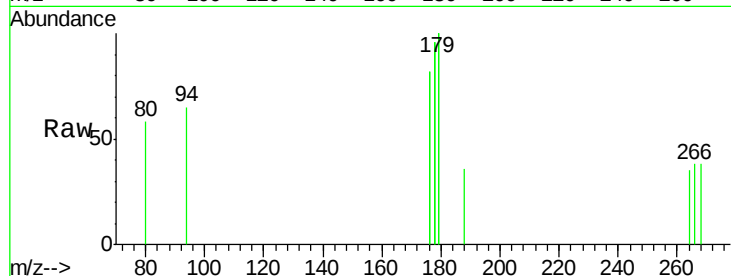




#13
 Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. 0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

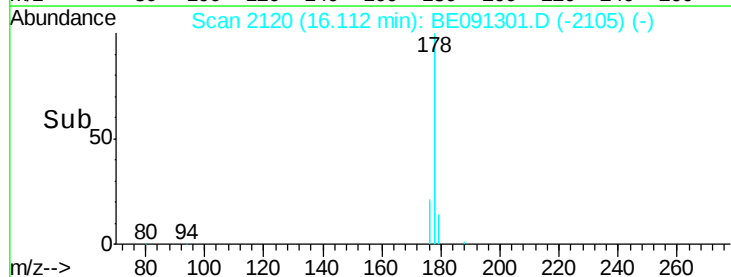
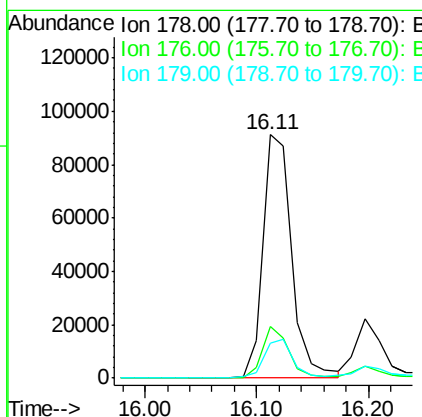
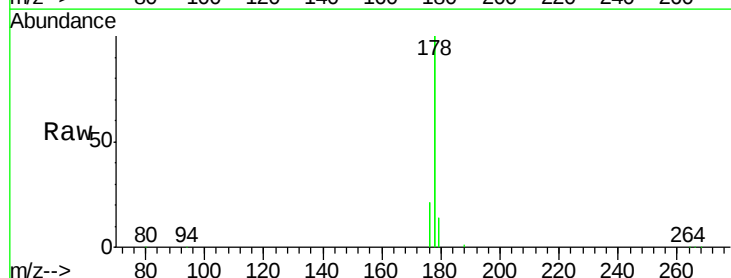
Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

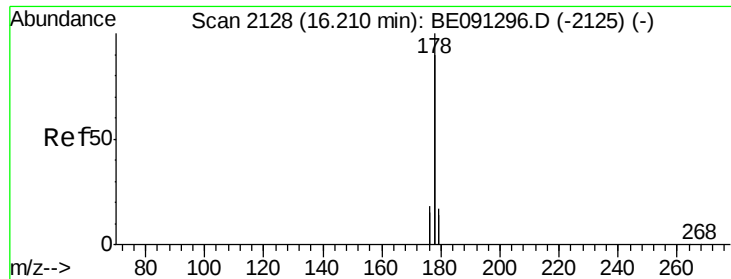
Tgt Ion: 266 Resp: 41
 Ion Ratio Lower Upper
 266 100
 264 100.0 53.5 80.3#
 268 87.8 54.2 81.2#



#14
 Phenanthrene
 Concen: 1.08 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Tgt Ion: 178 Resp: 161090
 Ion Ratio Lower Upper
 178 100
 176 21.1 16.2 24.4
 179 14.3 12.8 19.2





#15

Anthracene

Concen: 0.28 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

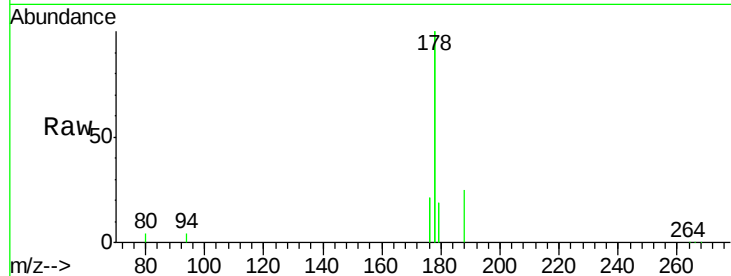
Tgt Ion:178 Resp: 38434

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

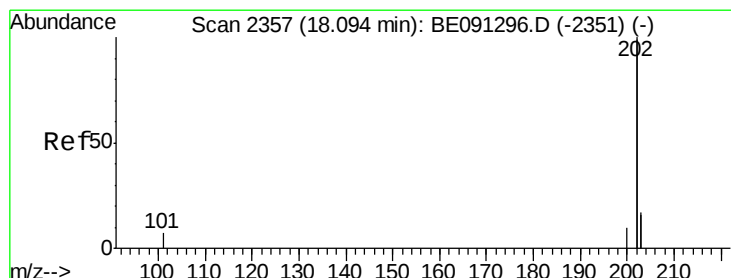
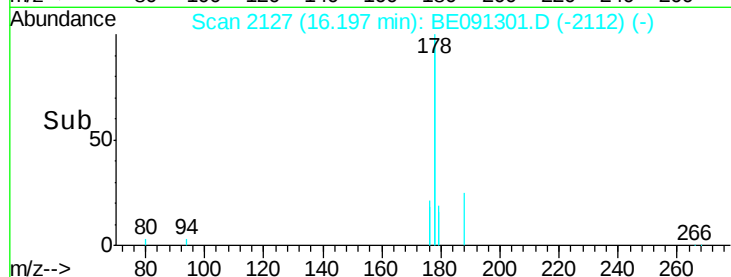
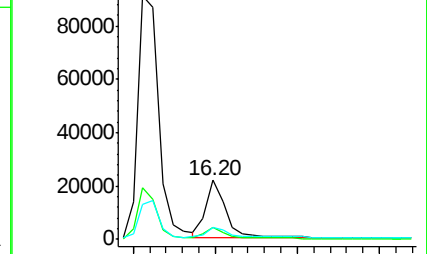
179 19.3 13.3 19.9



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: 1.56 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. 0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

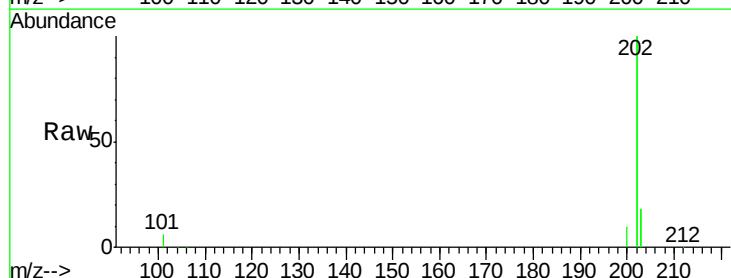
Tgt Ion:202 Resp: 272392

Ion Ratio Lower Upper

202 100

101 3.1 0.0 33.1

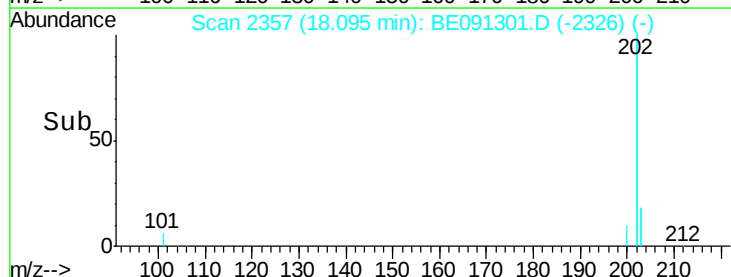
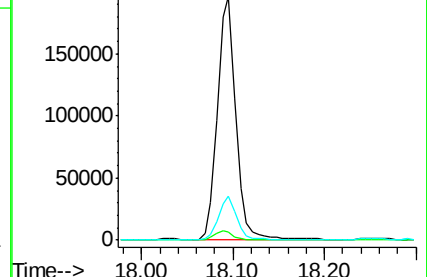
203 18.2 0.0 37.2

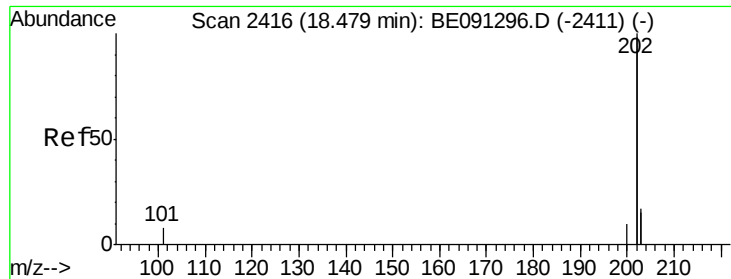


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 1.13 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

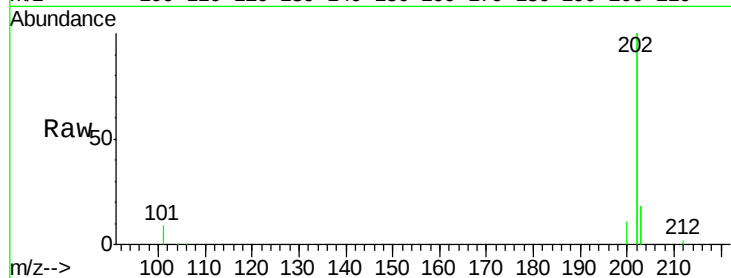
Tgt Ion:202 Resp: 231912

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

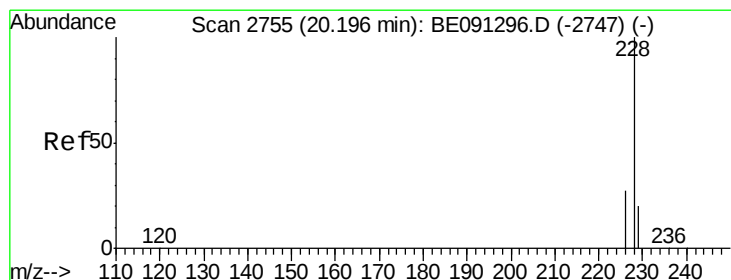
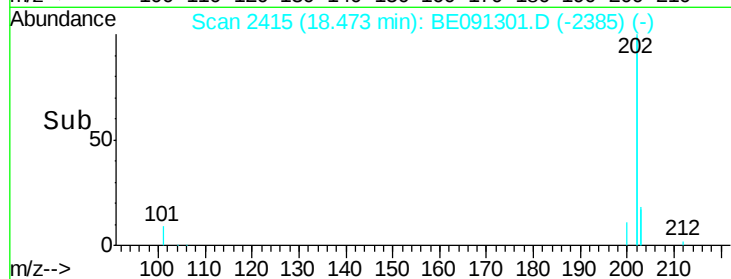
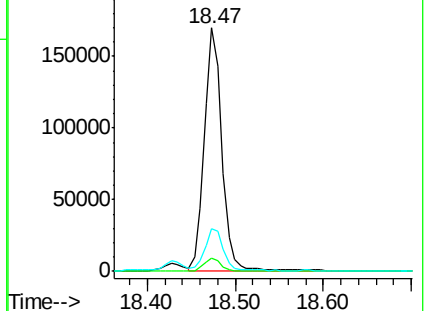
203 17.7 13.8 20.6



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: 0.75 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.06 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

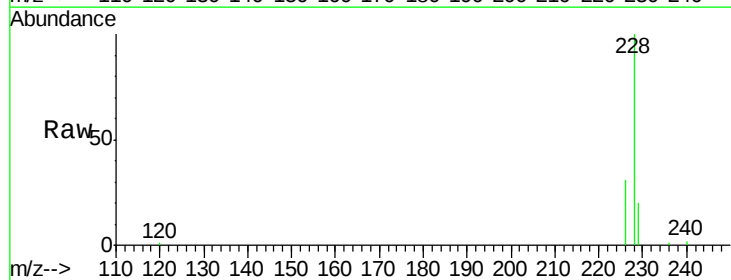
Tgt Ion:228 Resp: 34798

Ion Ratio Lower Upper

228 100

226 30.6 23.0 34.4

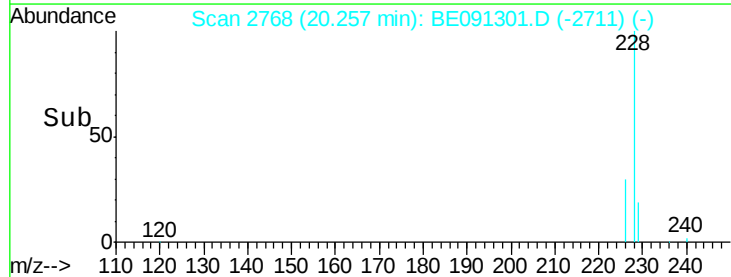
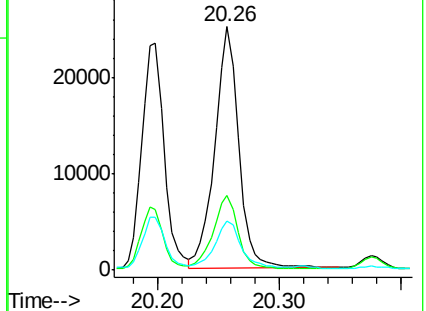
229 20.3 15.2 22.8

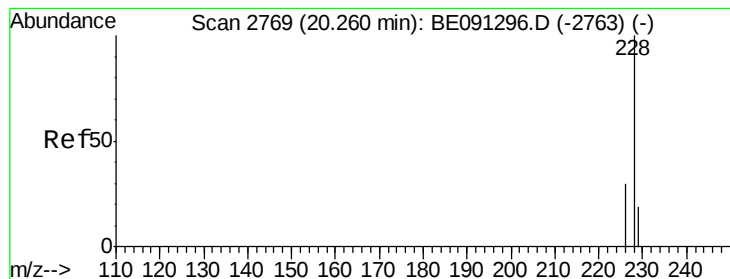


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.66 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

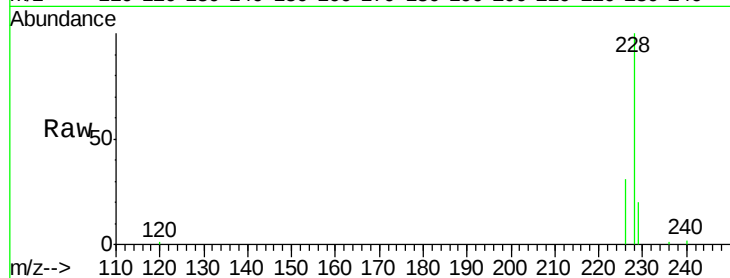
Tgt Ion:228 Resp: 35337

Ion Ratio Lower Upper

228 100

226 30.6 25.7 38.5

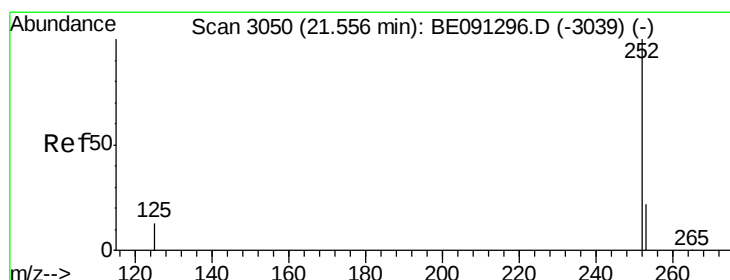
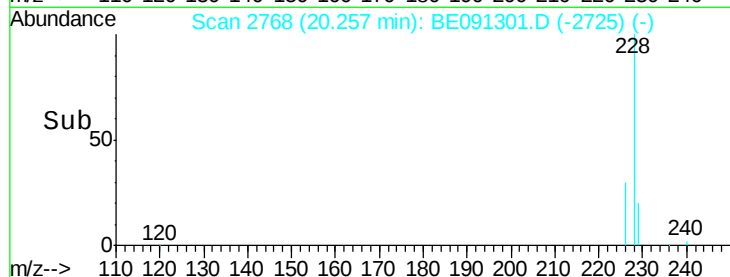
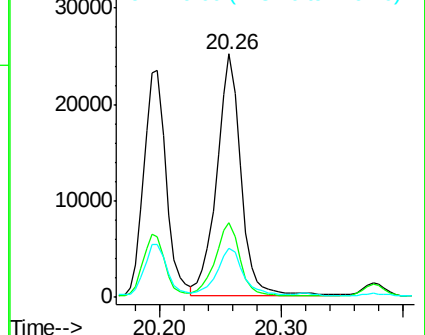
229 20.3 15.2 22.8



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: 0.55 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

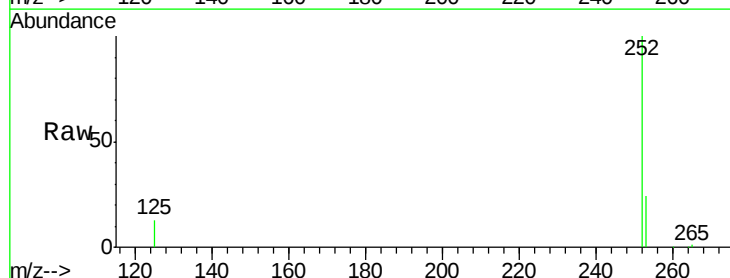
Tgt Ion:252 Resp: 28461

Ion Ratio Lower Upper

252 100

253 23.7 0.0 48.0

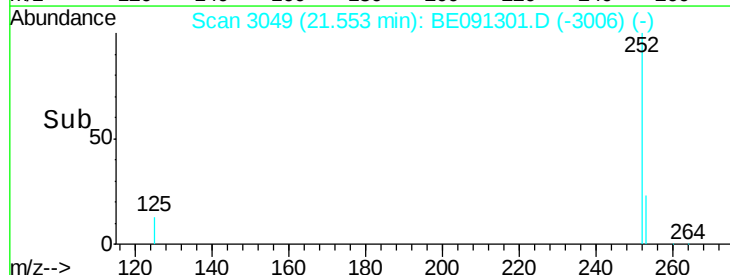
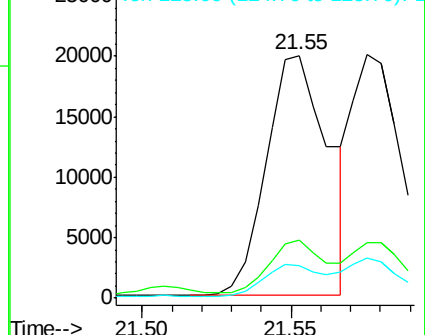
125 13.3 0.0 36.6

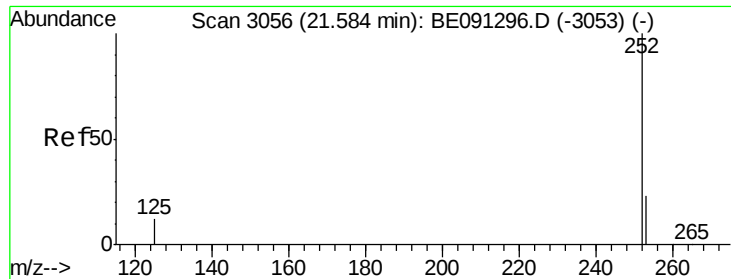


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.46 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

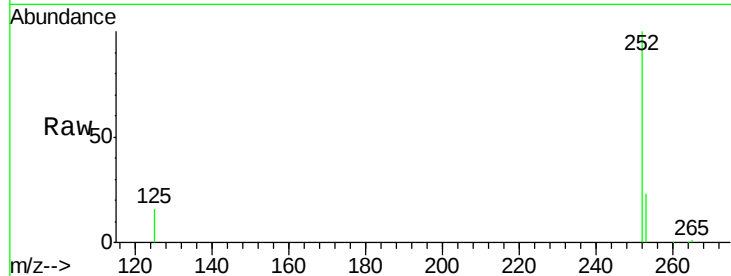
Tgt Ion:252 Resp: 24506

Ion Ratio Lower Upper

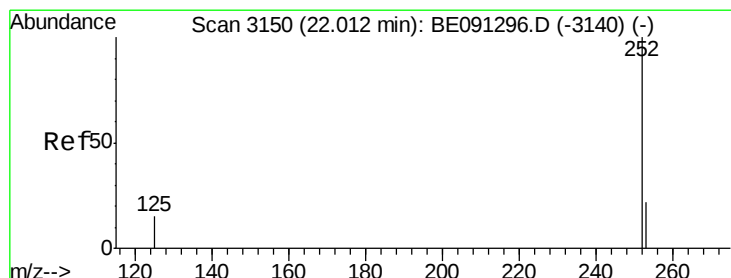
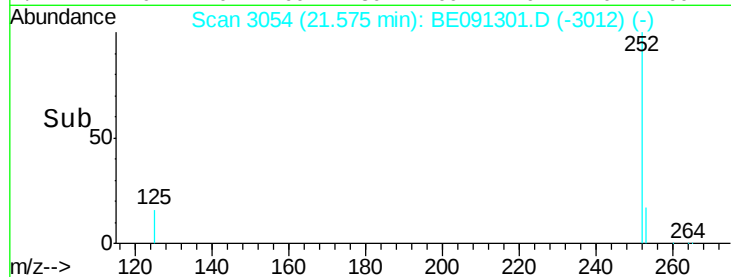
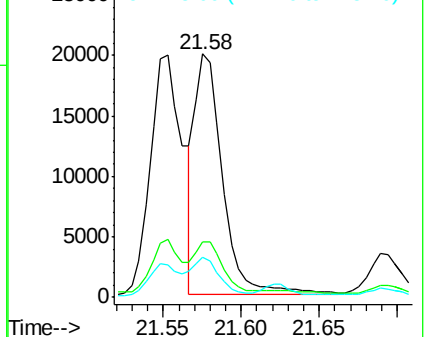
252 100

253 22.8 20.8 31.2

125 16.3 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: 0.59 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

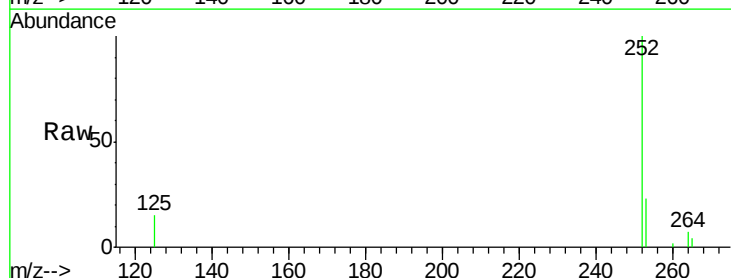
Tgt Ion:252 Resp: 27897

Ion Ratio Lower Upper

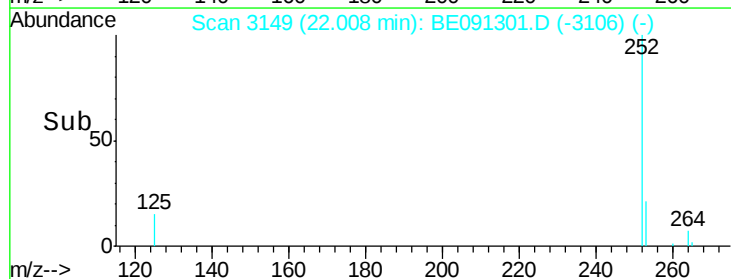
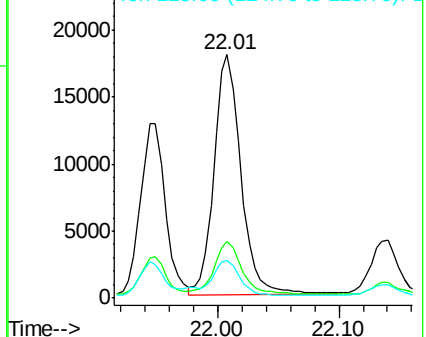
252 100

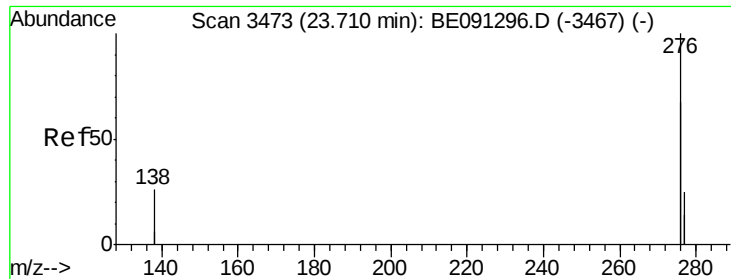
253 23.1 21.8 32.8

125 15.4 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

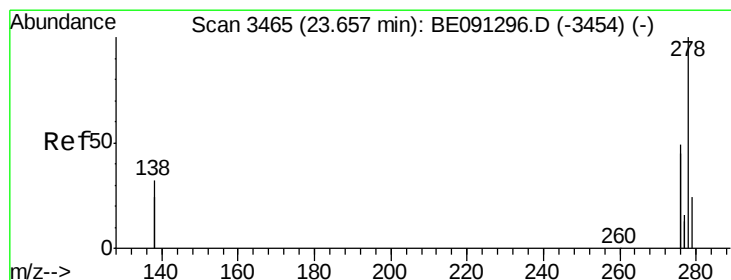
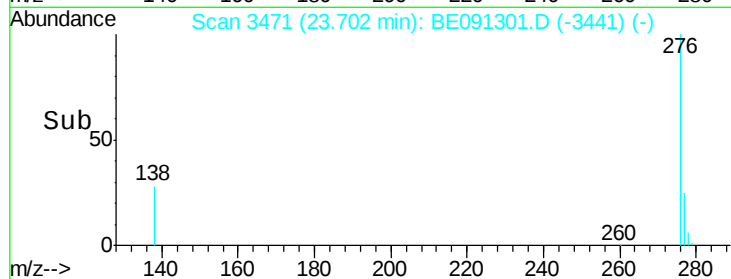
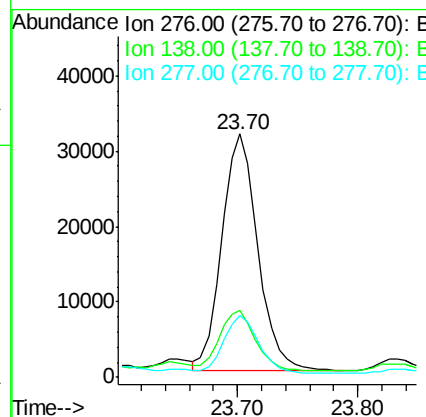
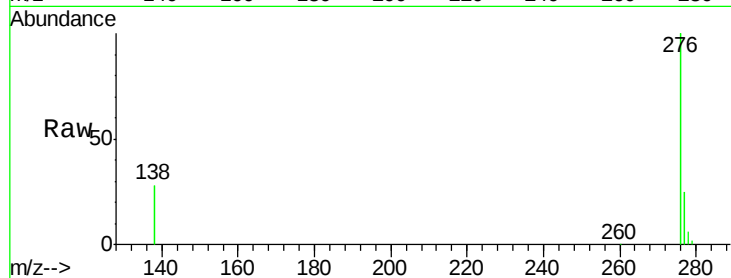




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.33 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

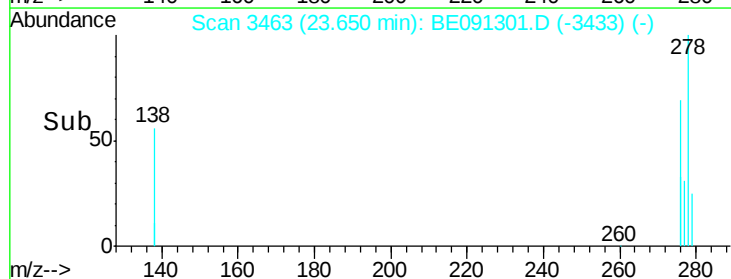
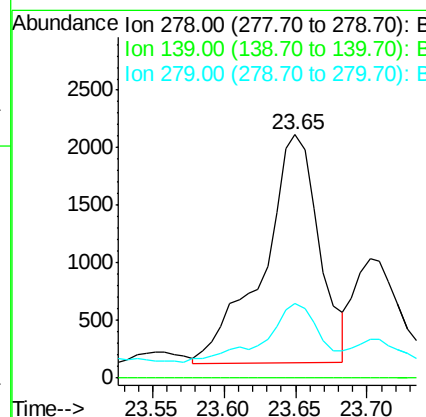
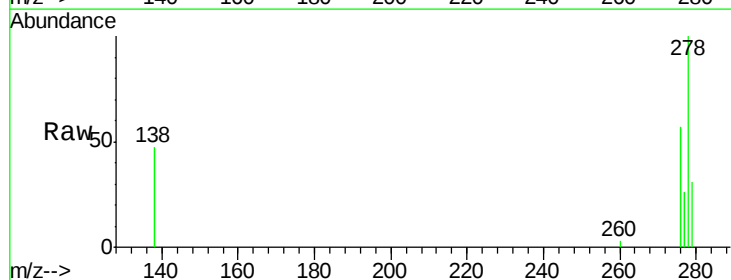
Instrument :
 BNA_E
 ClientSampleId :
 A4J66DL

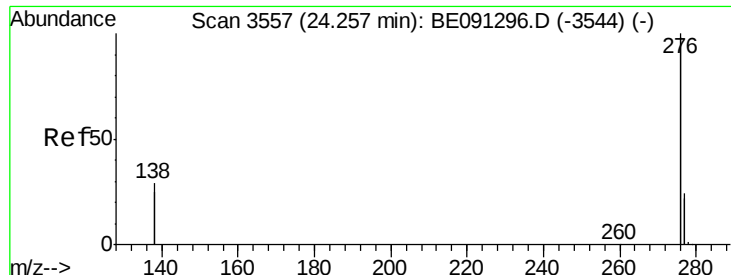
Tgt Ion: 276 Resp: 65677
 Ion Ratio Lower Upper
 276 100
 138 25.8 27.5 41.3#
 277 24.0 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.11 ng/ul
 RT: 23.65 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091301.D
 Acq: 23 Nov 2015 15:56

Tgt Ion: 278 Resp: 5416
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 30.8 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.31 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.00 min

Lab File: BE091301.D

Acq: 23 Nov 2015 15:56

Instrument :

BNA_E

ClientSampleId :

A4J66DL

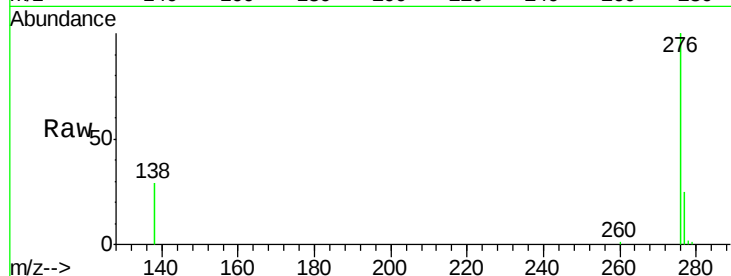
Tgt Ion: 276 Resp: 65035

Ion Ratio Lower Upper

276 100

277 24.7 21.3 31.9

138 28.6 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

