

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091277.D
 Acq On : 21 Nov 2015 14:51
 Operator : UM/NP
 Sample : G4346-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J72

Quant Time: Nov 22 01:33:32 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 : Sun Nov 22 01:30:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3150	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	15143	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8161	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	888605	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	22040	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1057880	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	16172	7.14	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.05	152	4160	0.20	ng/ul	-0.01
16) Fluoranthene-d10	18.06	212	12108	0.00	ng/ul	0.00

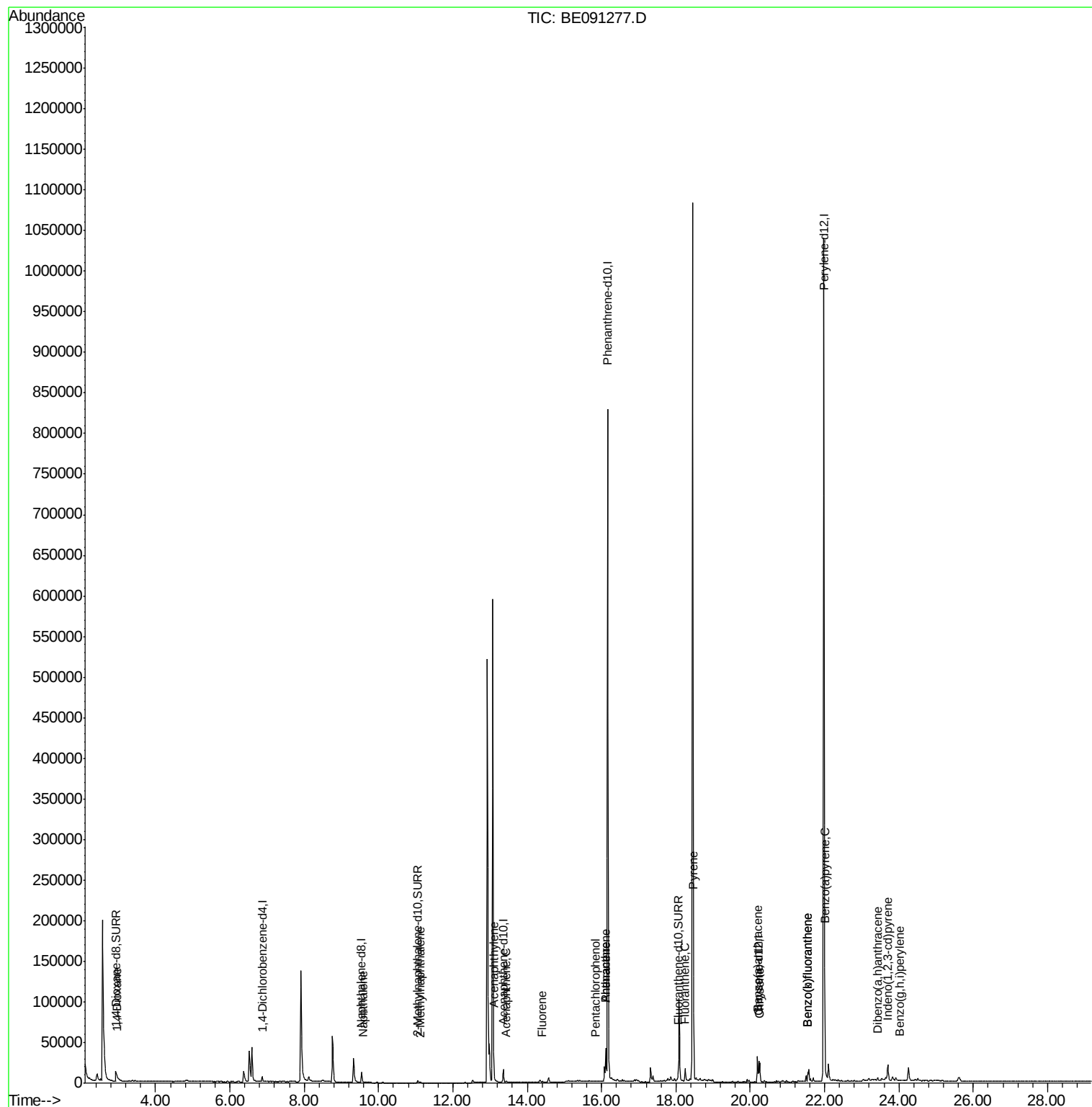
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.97	88	56	0.02	ng/ul#	24
5) Naphthalene	9.59	128	834	0.02	ng/ul#	58
7) 2-Methylnaphthalene	11.13	142	262	0.01	ng/ul	92
9) Acenaphthylene	13.11	152	1203	0.03	ng/ul#	81
10) Acenaphthene	13.42	153	204	0.01	ng/ul#	78
11) Fluorene	14.40	166	570	0.02	ng/ul#	87
13) Pentachlorophenol	15.85	266	318	0.00	ng/ul	98
14) Phenanthrene	16.11	178	39623	0.00	ng/ul	99
15) Anthracene	16.11	178	30811	0.00	ng/ul	100
17) Fluoranthene	18.25	202	16938	0.00	ng/ul	80
19) Pyrene	18.47	202	125000	0.50	ng/ul#	76
20) Benzo(a)anthracene	20.19	228	23946	0.42	ng/ul#	94
21) Chrysene	20.26	228	22083	0.34	ng/ul#	95
23) Benzo(b)fluoranthene	21.55	252	11639	0.00	ng/ul	97
24) Benzo(k)fluoranthene	21.55	252	11639	0.00	ng/ul#	94
25) Benzo(a)pyrene	22.01	252	15225	0.01	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	23.70	276	22668	0.00	ng/ul	98
27) Dibenzo(a,h)anthracene	23.43	278	1622	0.00	ng/ul#	57
28) Benzo(g,h,i)perylene	24.01	276	754	0.00	ng/ul#	1

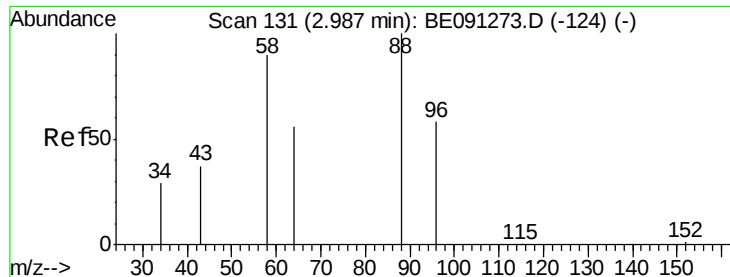
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 2.97 min Scan# 129

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

A4J72

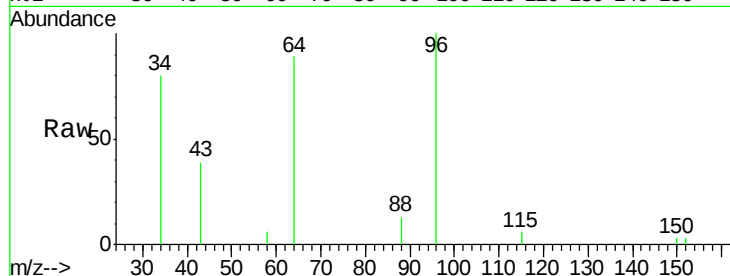
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

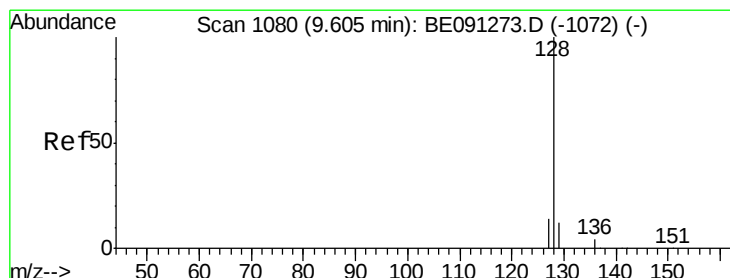
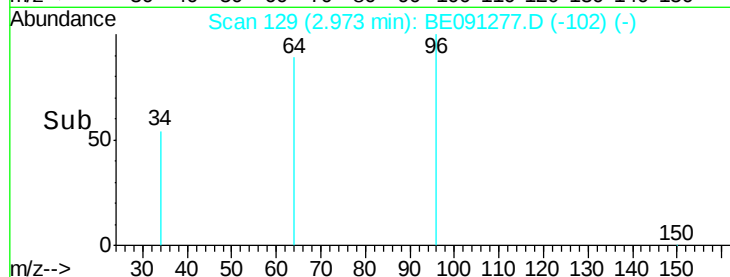
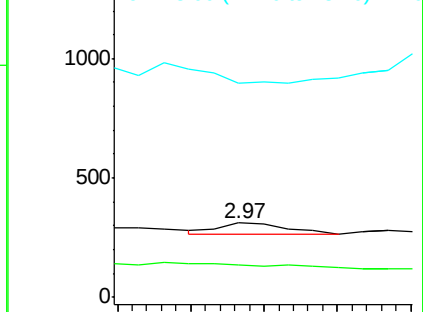
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091277.D (-102) (-)

Ion 58.00 (57.70 to 58.70): BE091277.D (-102) (-)

Ion 43.00 (42.70 to 43.70): BE091277.D (-102) (-)



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

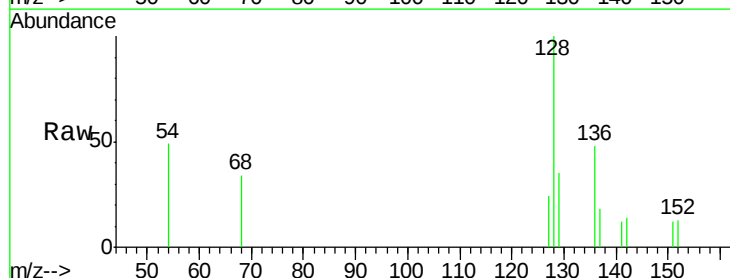
Tgt Ion: 128 Resp: 834

Ion Ratio Lower Upper

128 100

129 35.2 9.8 14.8#

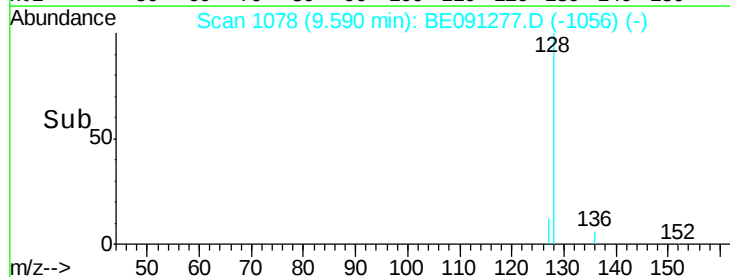
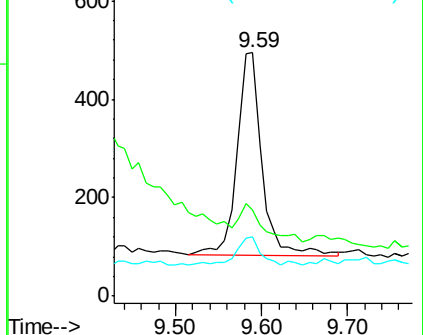
127 24.4 10.7 16.1#

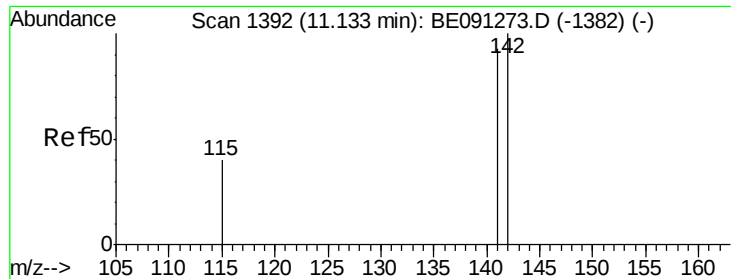


Abundance Ion 128.00 (127.70 to 128.70): BE091277.D (-1056) (-)

Ion 129.00 (128.70 to 129.70): BE091277.D (-1056) (-)

Ion 127.00 (126.70 to 127.70): BE091277.D (-1056) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 11.13 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

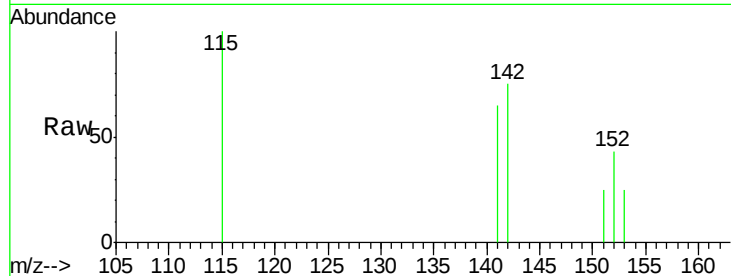
A4J72

Tgt Ion:142 Resp: 262

Ion Ratio Lower Upper

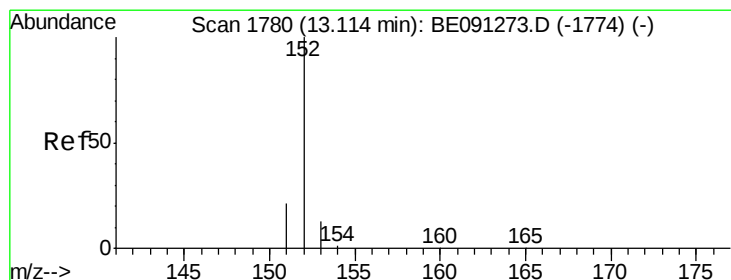
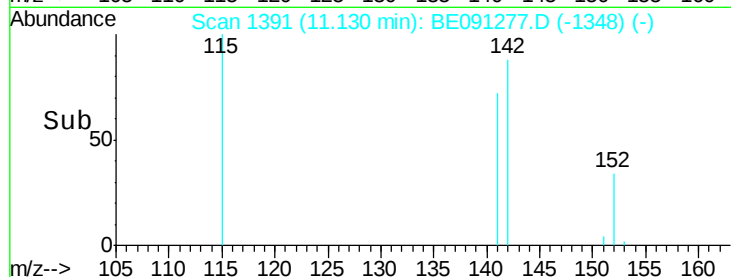
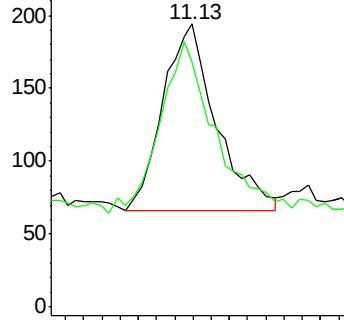
142 100

141 95.4 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: 0.03 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

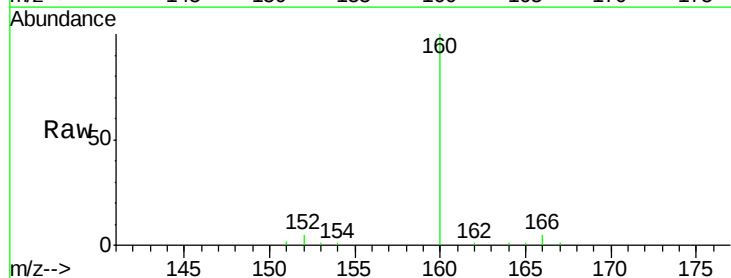
Tgt Ion:152 Resp: 1203

Ion Ratio Lower Upper

152 100

151 30.0 16.8 25.2#

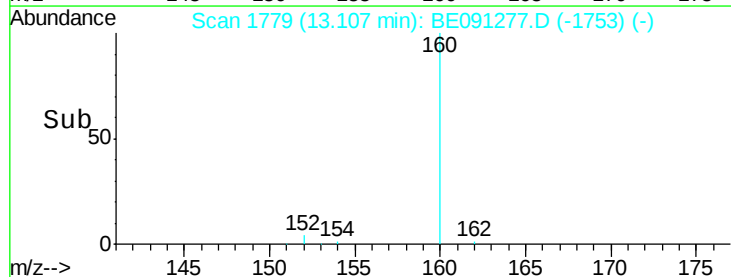
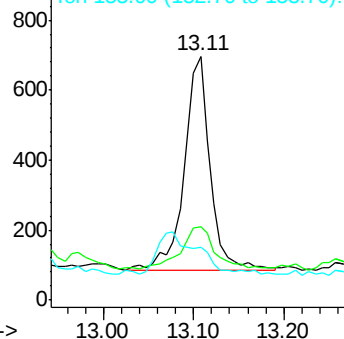
153 21.8 11.3 16.9#

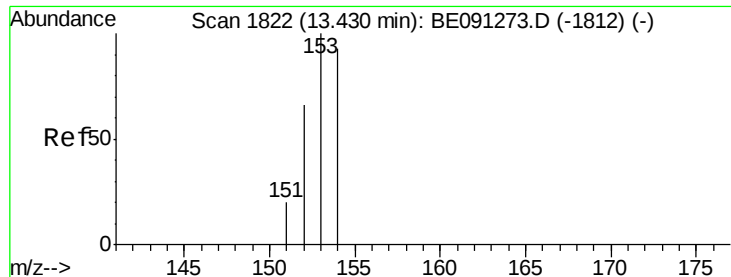


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

A4J72

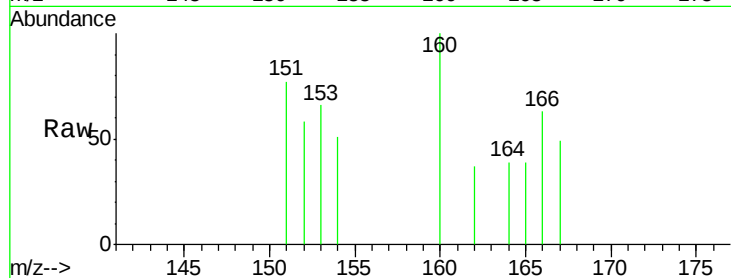
Tgt Ion:153 Resp: 204

Ion Ratio Lower Upper

153 100

152 87.6 42.3 63.5#

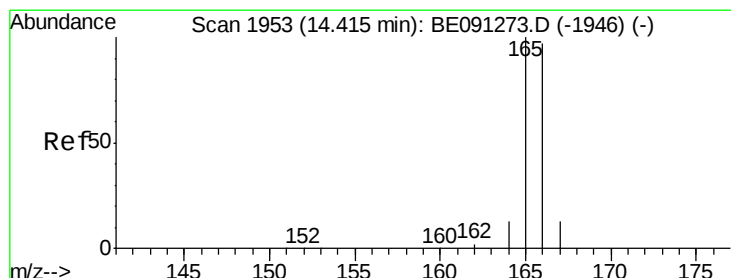
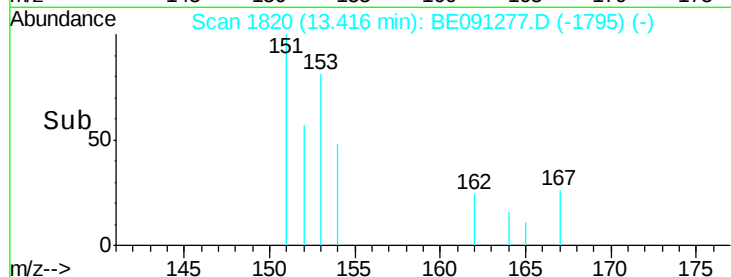
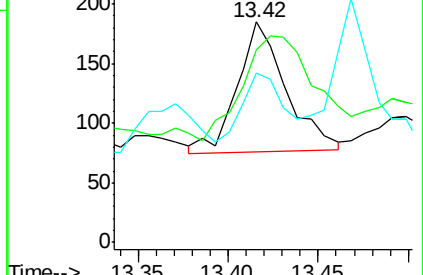
154 76.8 64.7 97.1



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: 0.02 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

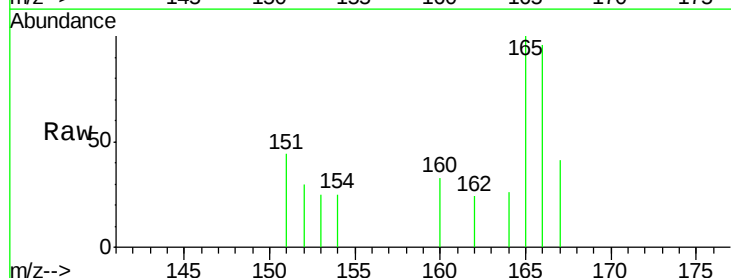
Tgt Ion:166 Resp: 570

Ion Ratio Lower Upper

166 100

165 103.9 87.6 131.4

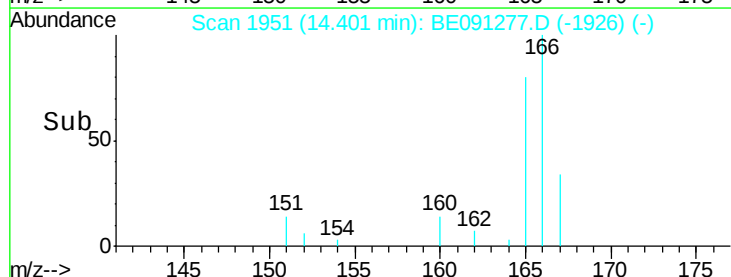
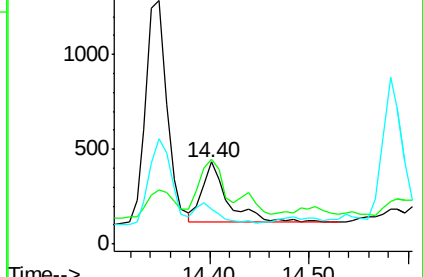
167 42.5 11.1 16.7#

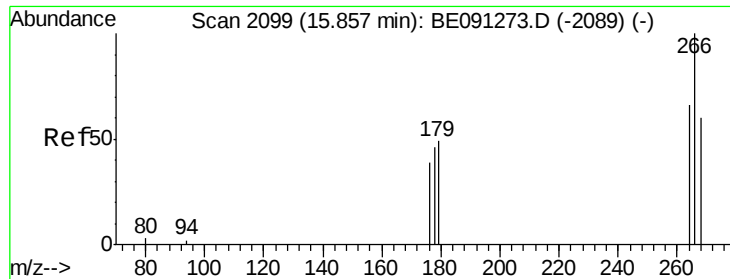


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

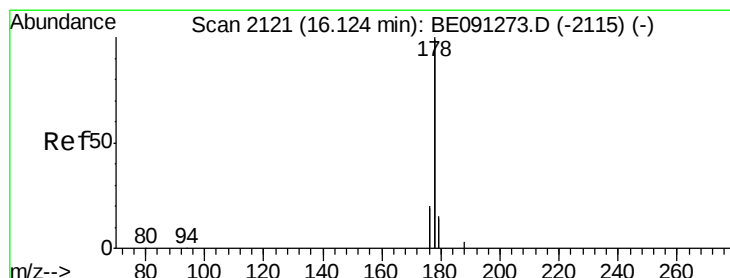
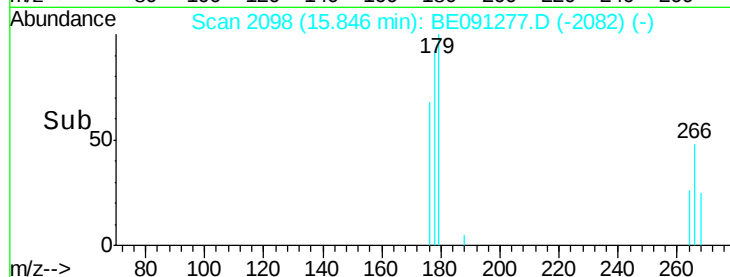
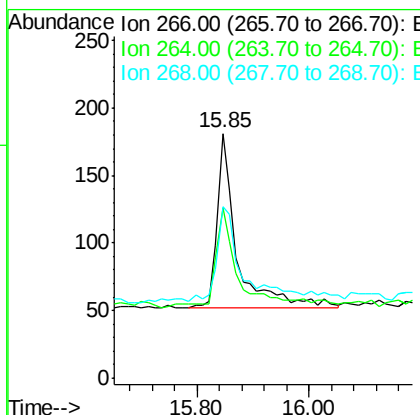
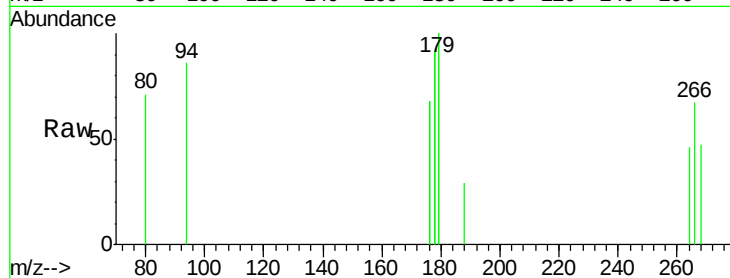




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091277.D
 Acq: 21 Nov 2015 14:51

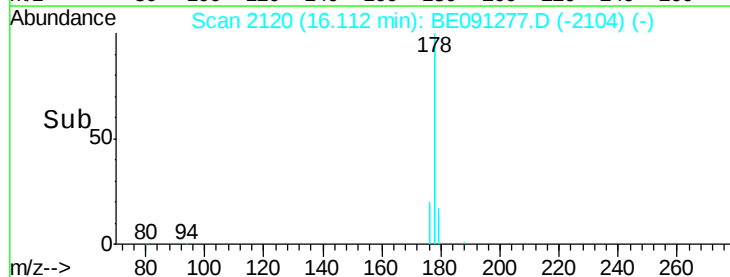
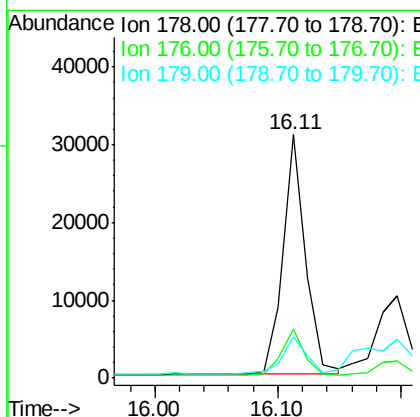
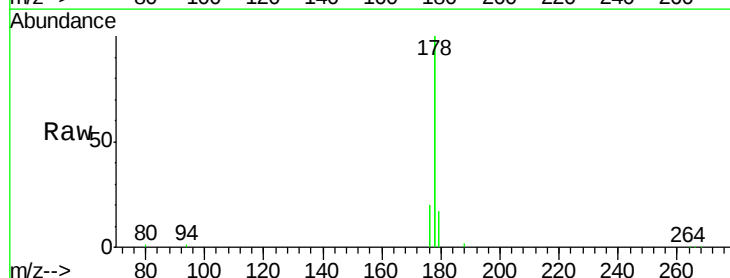
Instrument :
 BNA_E
 ClientSampleId :
 A4J72

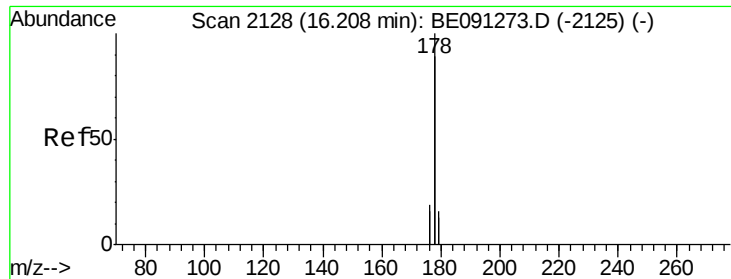
Tgt Ion: 266 Resp: 318
 Ion Ratio Lower Upper
 266 100
 264 65.4 53.5 80.3
 268 66.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091277.D
 Acq: 21 Nov 2015 14:51

Tgt Ion: 178 Resp: 39623
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 16.8 12.8 19.2





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

A4J72

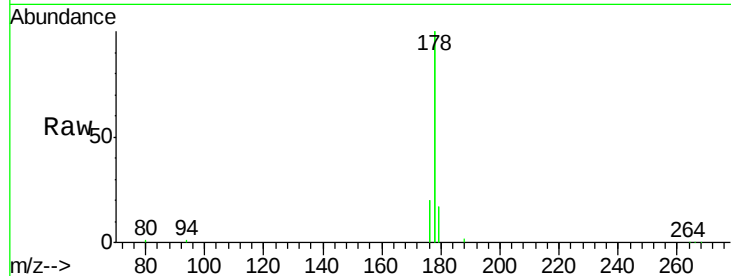
Tgt Ion:178 Resp: 30811

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

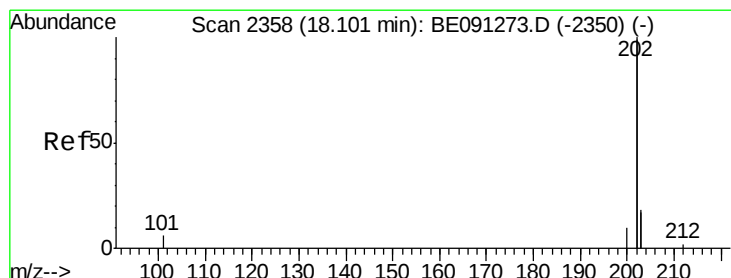
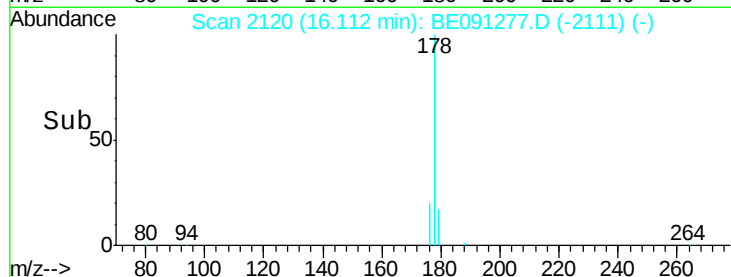
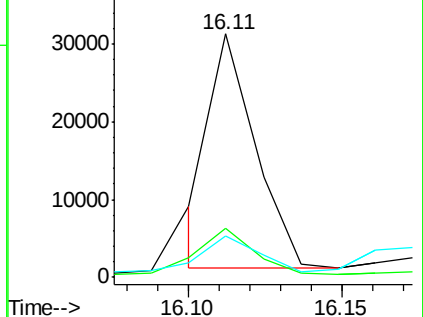
179 16.8 13.3 19.9



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: 0.00 ng/ul

RT: 18.25 min Scan# 2381

Delta R.T. 0.15 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

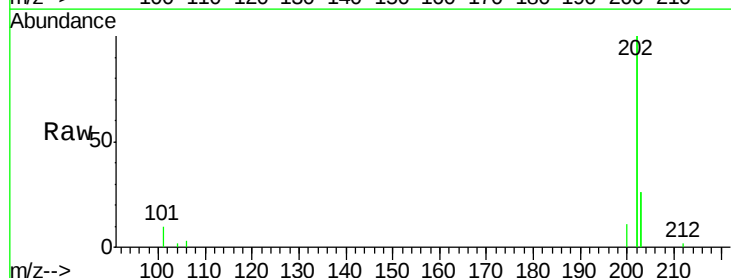
Tgt Ion:202 Resp: 16938

Ion Ratio Lower Upper

202 100

101 4.8 0.0 33.1

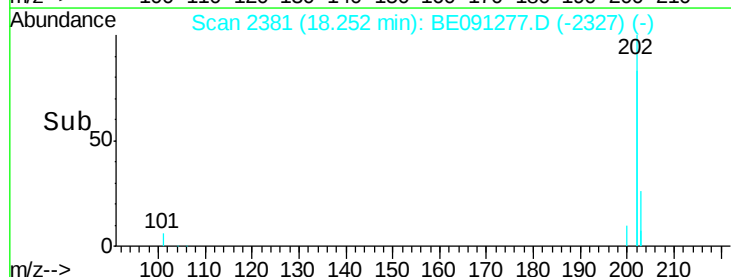
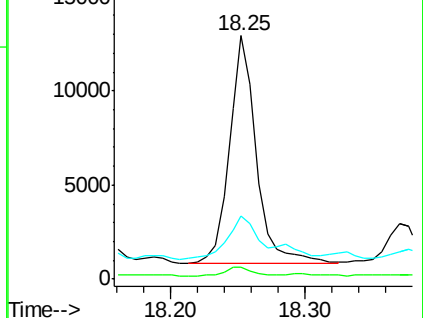
203 25.7 0.0 37.2

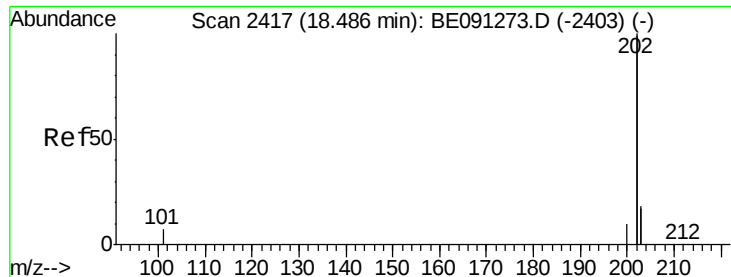


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.50 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

A4J72

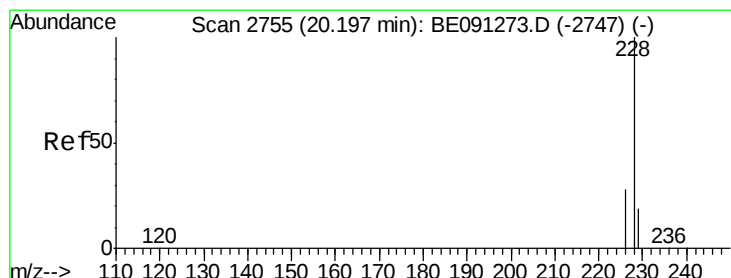
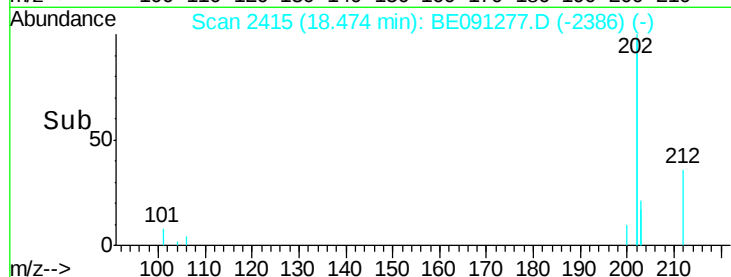
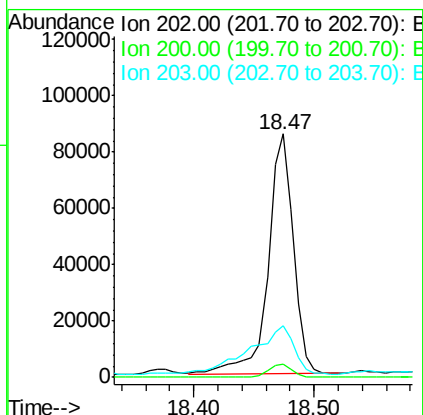
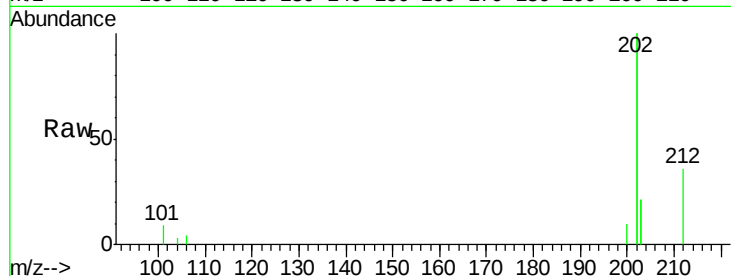
Tgt Ion:202 Resp: 125000

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 21.0 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 20.19 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

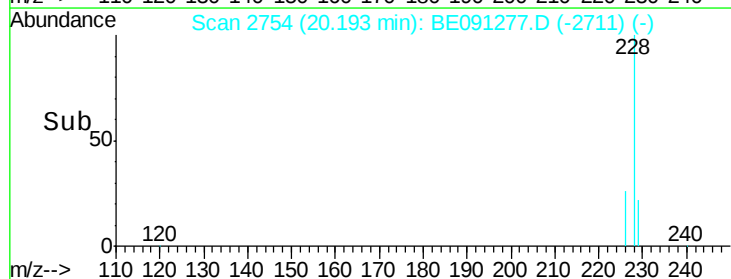
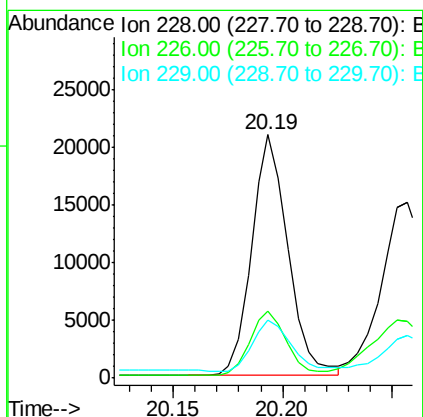
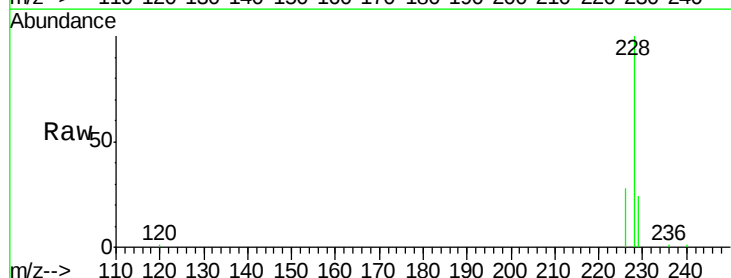
Tgt Ion:228 Resp: 23946

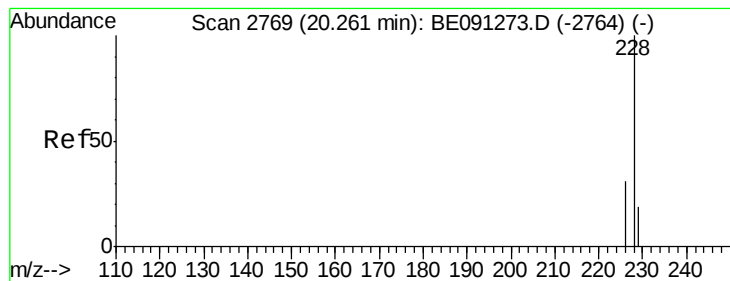
Ion Ratio Lower Upper

228 100

226 27.6 23.0 34.4

229 24.0 15.2 22.8#





#21

Chrysene

Concen: 0.34 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

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A4J72

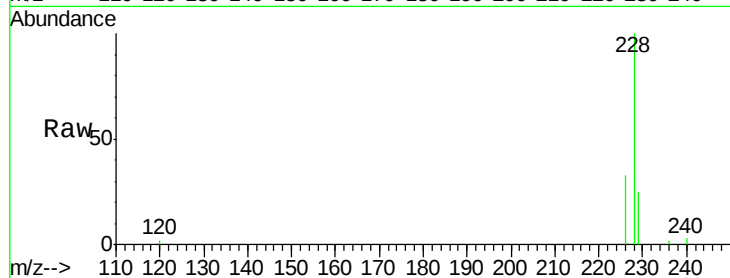
Tgt Ion:228 Resp: 22083

Ion Ratio Lower Upper

228 100

226 32.6 25.7 38.5

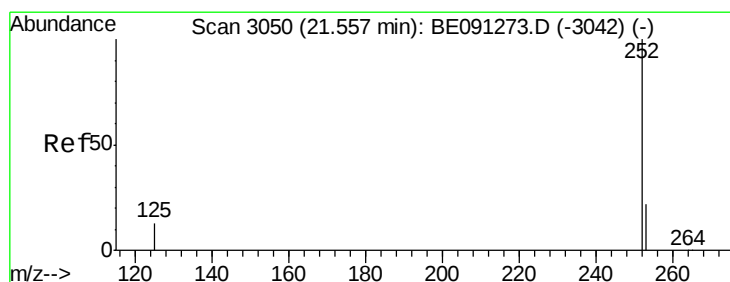
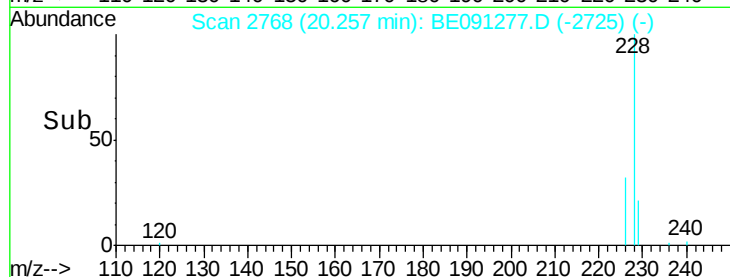
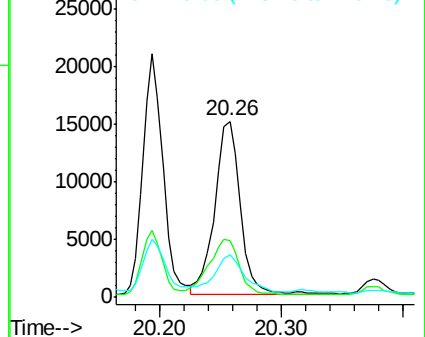
229 24.5 15.2 22.8#



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: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

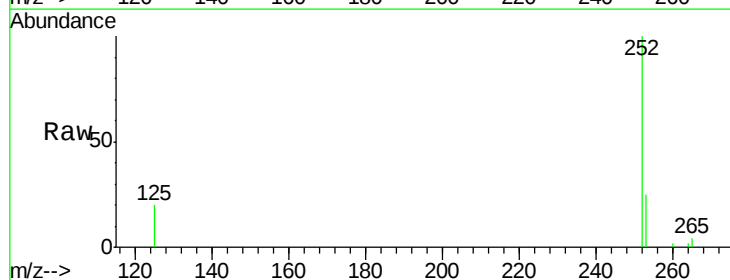
Tgt Ion:252 Resp: 11639

Ion Ratio Lower Upper

252 100

253 25.0 0.0 48.0

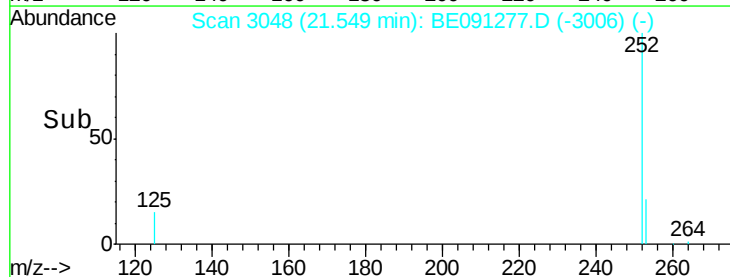
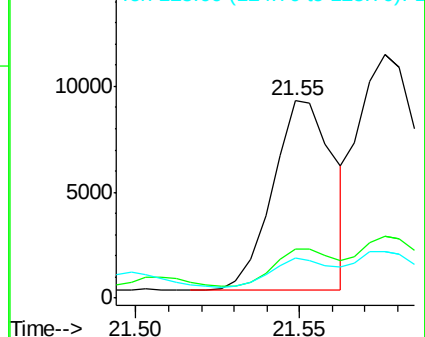
125 20.4 0.0 36.6

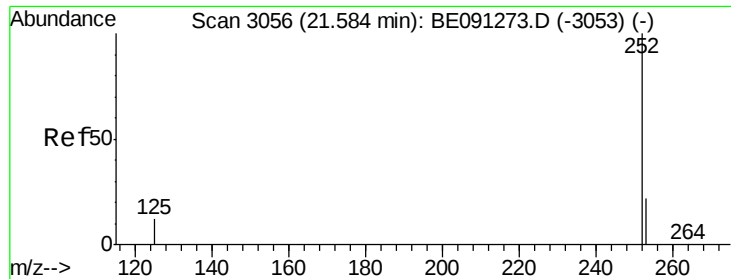


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.04 min

Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Instrument :

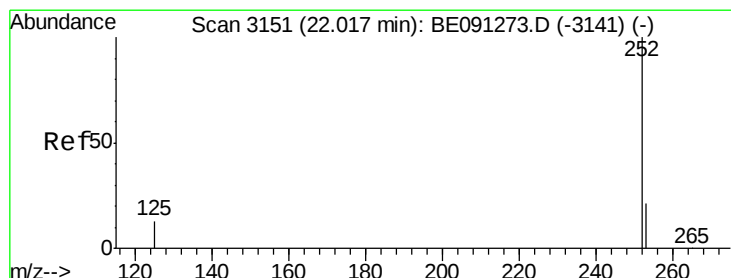
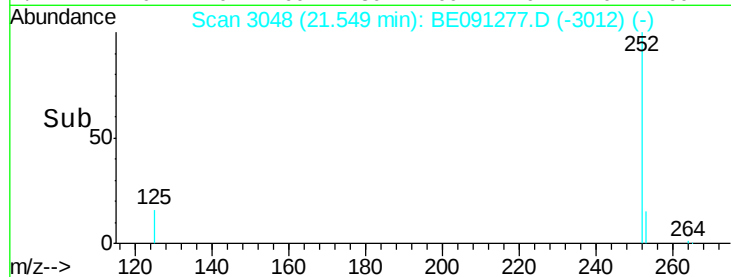
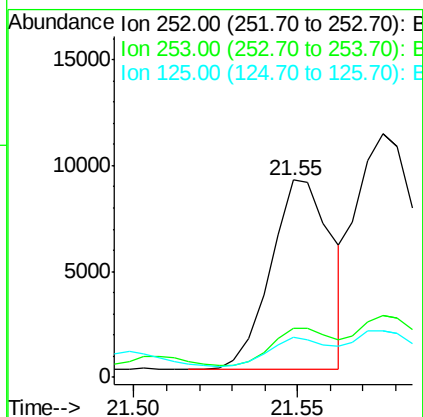
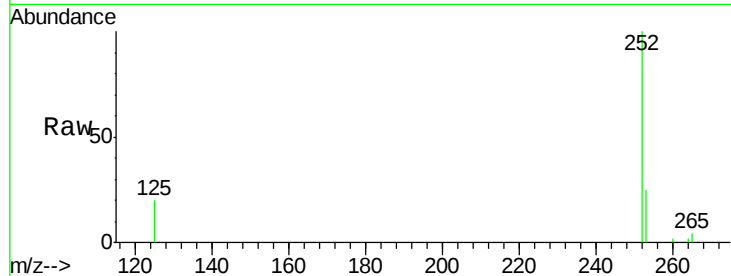
BNA_E

ClientSampleId :

A4J72

Tgt Ion:252 Resp: 11639

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.8	31.2
125	20.4	12.2	18.4#



#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 22.01 min Scan# 3149

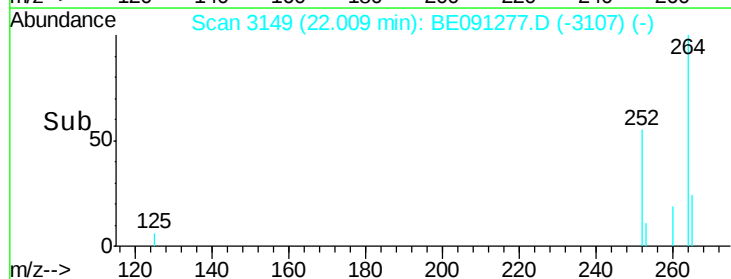
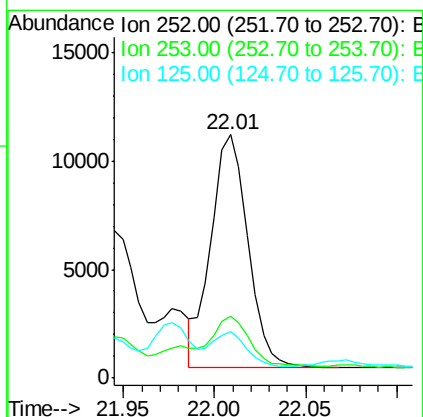
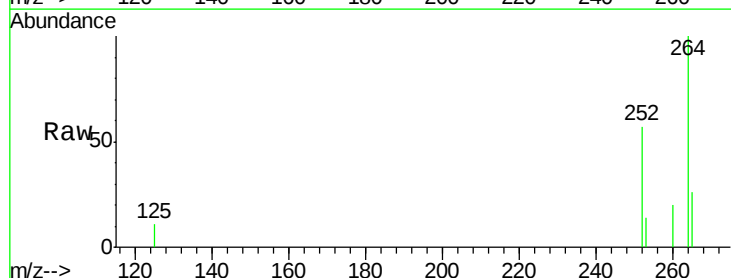
Delta R.T. -0.01 min

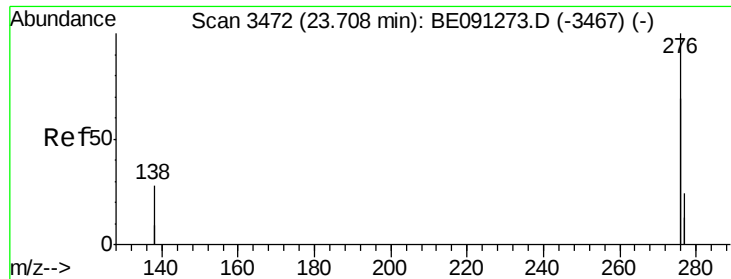
Lab File: BE091277.D

Acq: 21 Nov 2015 14:51

Tgt Ion:252 Resp: 15225

Ion	Ratio	Lower	Upper
252	100		
253	25.4	21.8	32.8
125	19.1	14.5	21.7

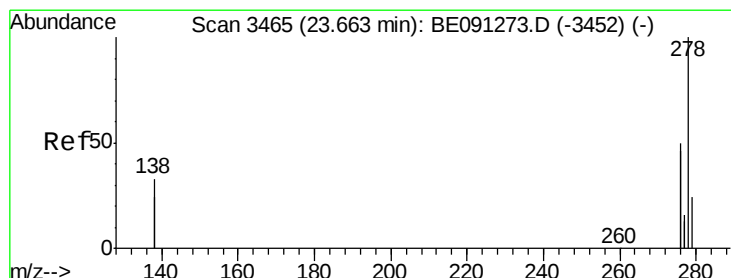
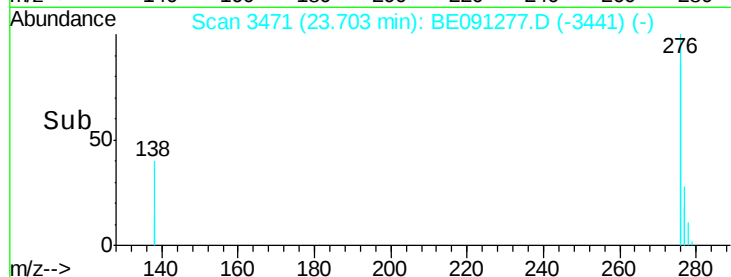
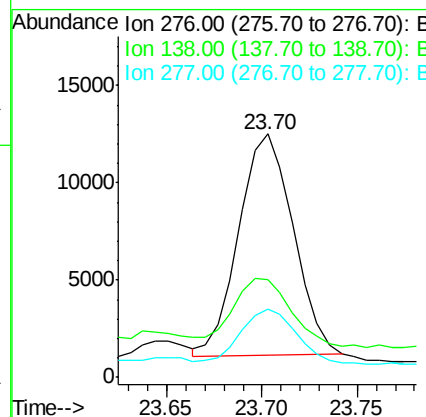
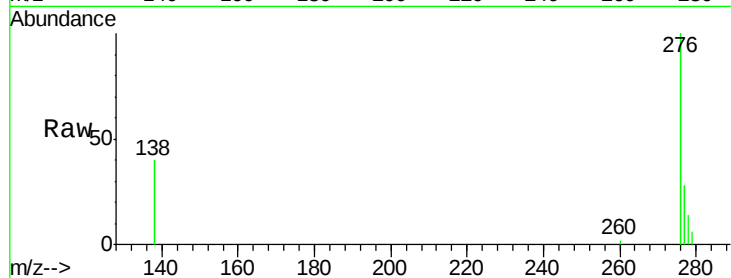




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.00 ng/ul
 RT: 23.70 min Scan# 3471
 Delta R.T. -0.01 min
 Lab File: BE091277.D
 Acq: 21 Nov 2015 14:51

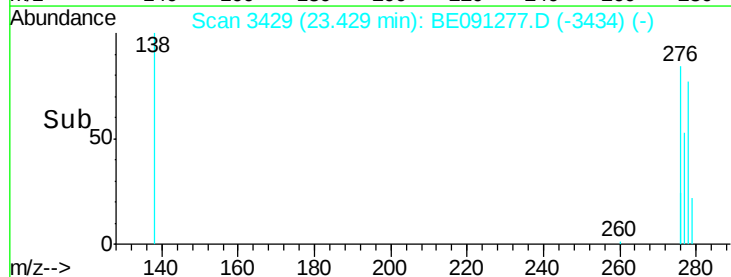
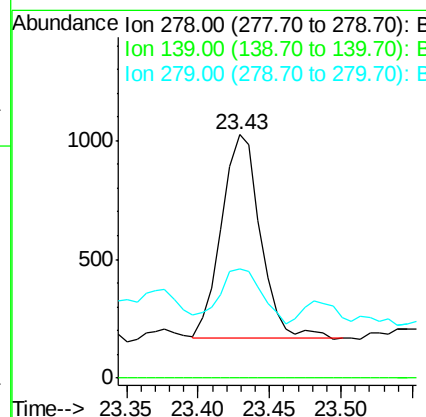
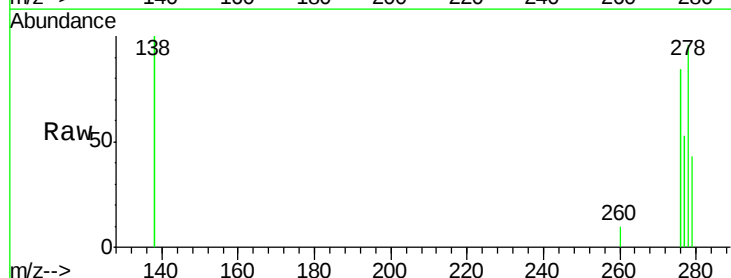
Instrument :
 BNA_E
 ClientSampleId :
 A4J72

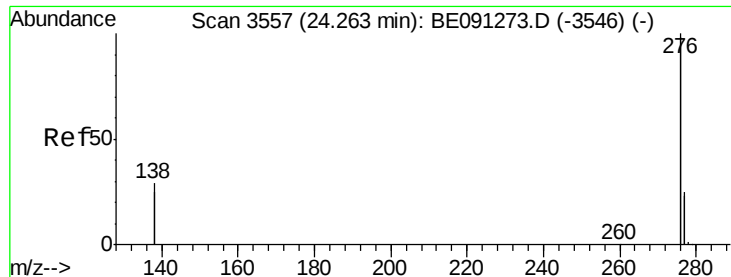
Tgt Ion: 276 Resp: 22668
 Ion Ratio Lower Upper
 276 100
 138 32.5 27.5 41.3
 277 24.4 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 23.43 min Scan# 3429
 Delta R.T. -0.23 min
 Lab File: BE091277.D
 Acq: 21 Nov 2015 14:51

Tgt Ion: 278 Resp: 1622
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 44.8 21.9 32.9#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.01 min Scan# 3518

Delta R.T. -0.25 min

Lab File: BE091277.D

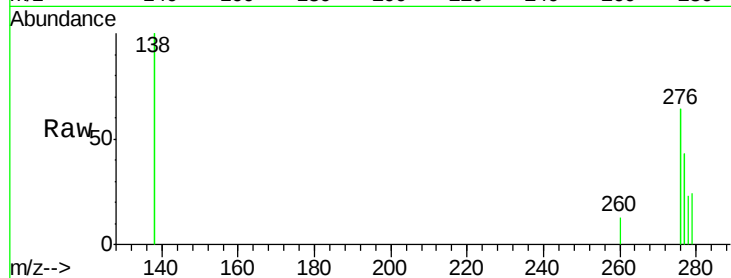
Acq: 21 Nov 2015 14:51

Instrument :

BNA_E

ClientSampleId :

A4J72



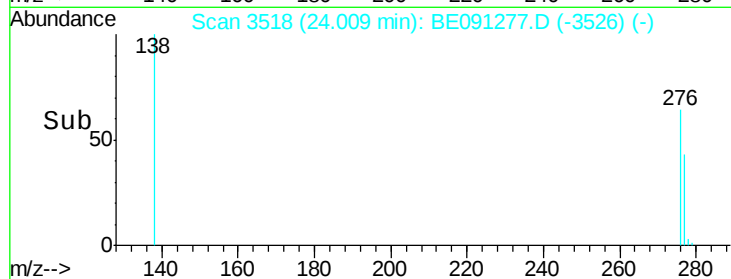
Tgt Ion: 276 Resp: 754

Ion Ratio Lower Upper

276 100

277 67.0 21.3 31.9#

138 155.1 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

