

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091276.D
 Acq On : 21 Nov 2015 14:16
 Operator : UM/NP
 Sample : G4346-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J71

Quant Time: Nov 22 01:33:12 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	2763	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	12478	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6702	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	973770	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	17207	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1188633	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	17446	8.78	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.06	152	4038	0.24	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	12117	0.00	ng/ul	0.00

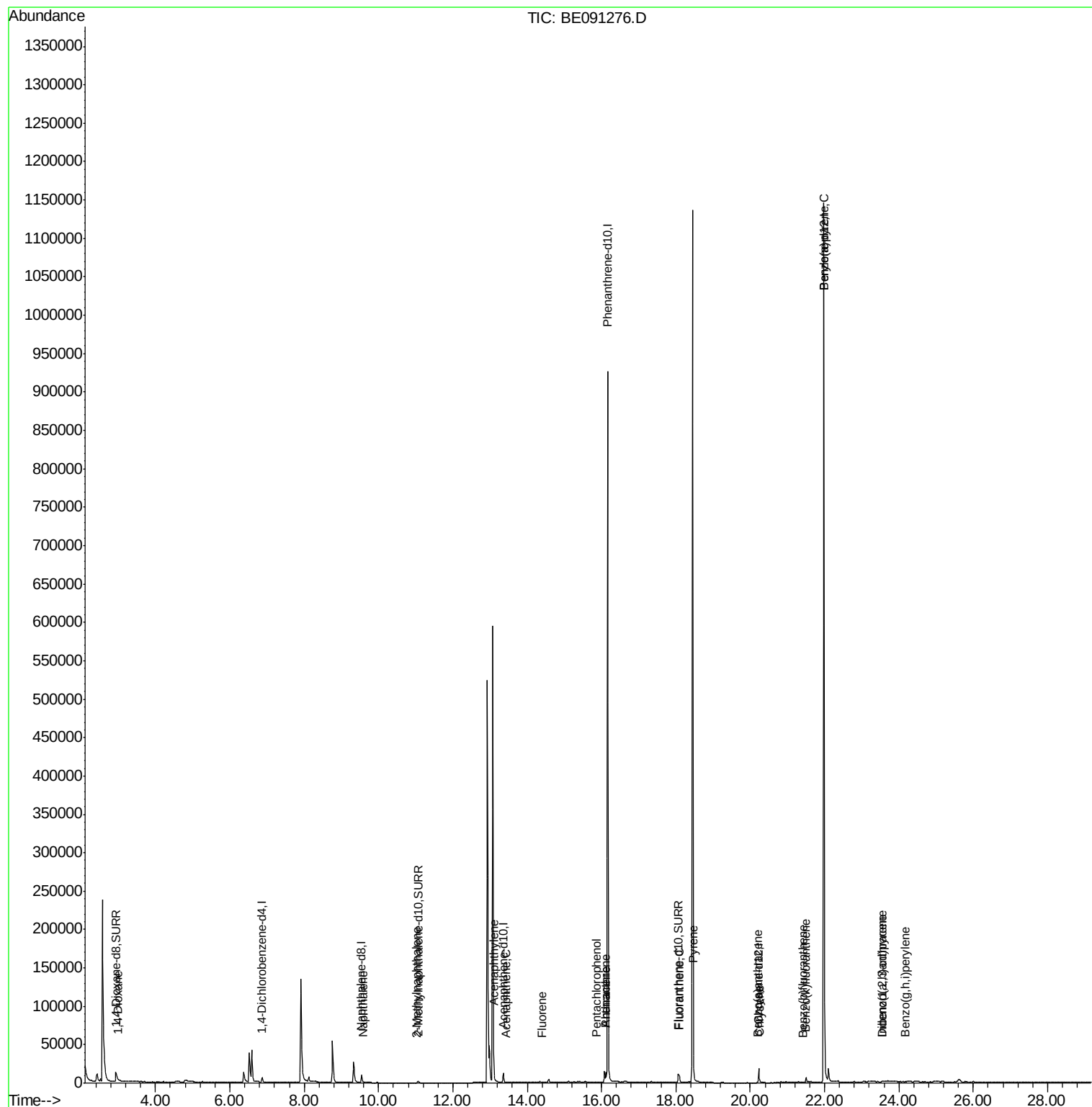
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.00	88	106	0.05	ng/ul#	24
5) Naphthalene	9.58	128	537	0.02	ng/ul#	34
7) 2-Methylnaphthalene	11.02	142	16	0.00	ng/ul	100
9) Acenaphthylene	13.11	152	473	0.01	ng/ul#	46
10) Acenaphthene	13.42	153	135	0.01	ng/ul#	77
11) Fluorene	14.40	166	301	0.01	ng/ul#	86
13) Pentachlorophenol	15.86	266	151	0.00	ng/ul#	88
14) Phenanthrene	16.11	178	12618	0.00	ng/ul	95
15) Anthracene	16.11	178	8640	0.00	ng/ul	95
17) Fluoranthene	18.09	202	11291	0.00	ng/ul	88
19) Pyrene	18.47	202	19701	0.10	ng/ul#	73
20) Benzo(a)anthracene	20.20	228	1424	0.03	ng/ul#	91
21) Chrysene	20.26	228	2073	0.04	ng/ul#	91
23) Benzo(b)fluoranthene	21.41	252	35	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.50	252	55	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	5755	0.00	ng/ul#	33
26) Indeno(1,2,3-cd)pyrene	23.55	276	361	0.00	ng/ul#	60
27) Dibenzo(a,h)anthracene	23.55	278	25	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.18	276	86	0.00	ng/ul#	1

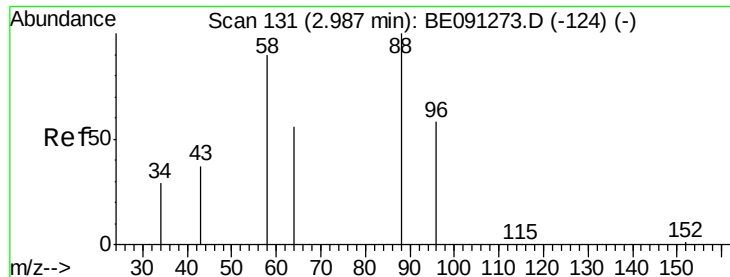
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.00 min Scan# 133

Delta R.T. 0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

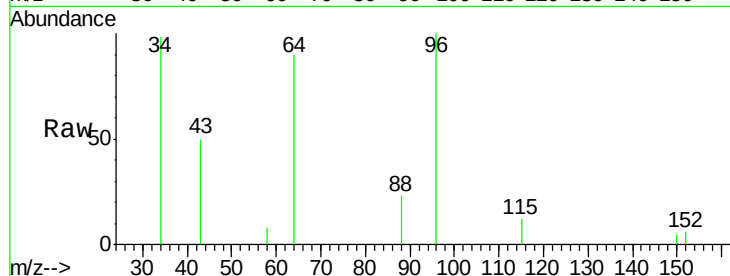
Tgt Ion: 88 Resp: 106

Ion Ratio Lower Upper

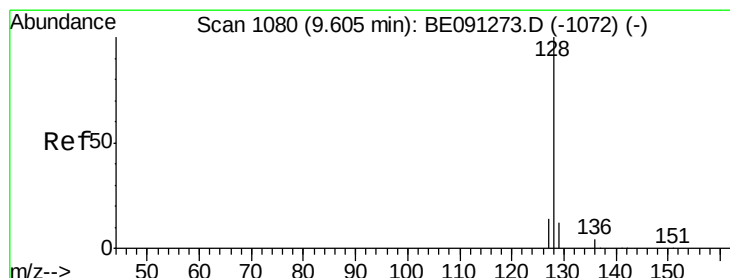
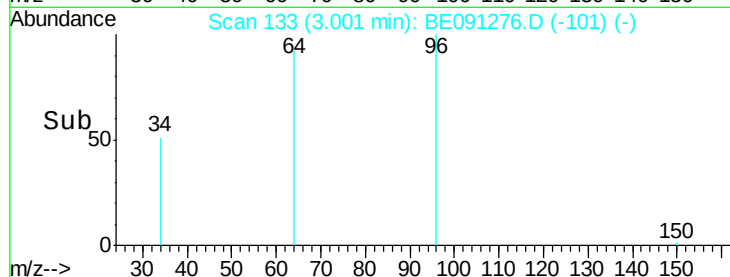
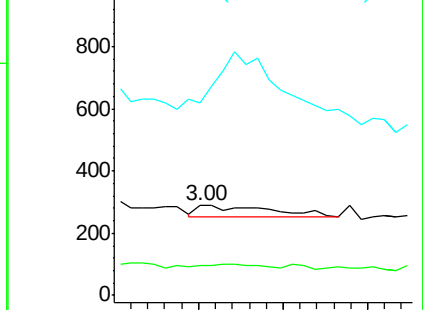
88 100

58 0.0 55.4 83.2#

43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.02 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

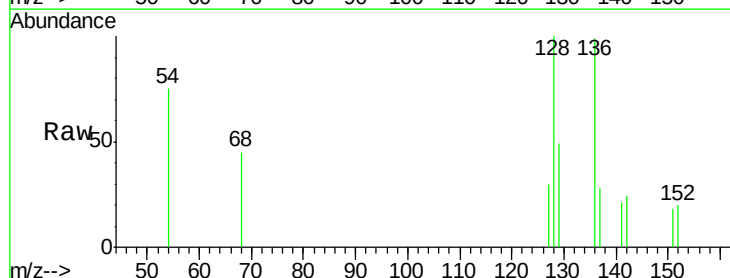
Tgt Ion: 128 Resp: 537

Ion Ratio Lower Upper

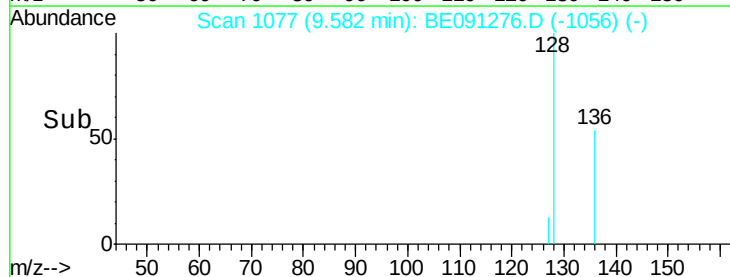
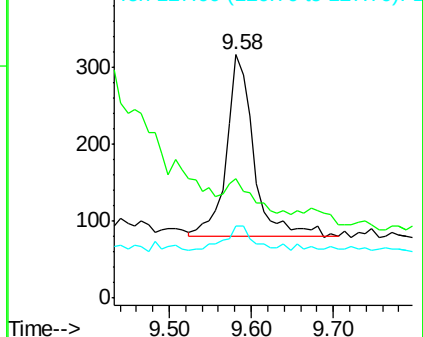
128 100

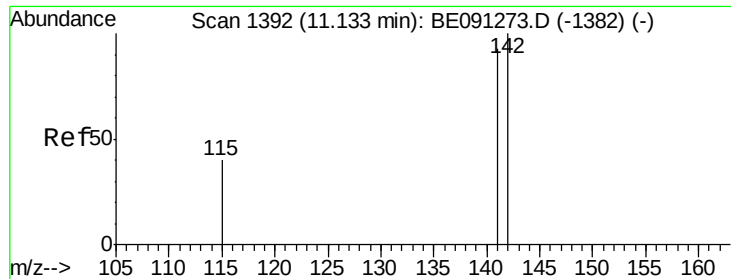
129 49.2 9.8 14.8#

127 29.7 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: 0.00 ng/ul

RT: 11.02 min Scan# 1367

Delta R.T. -0.11 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

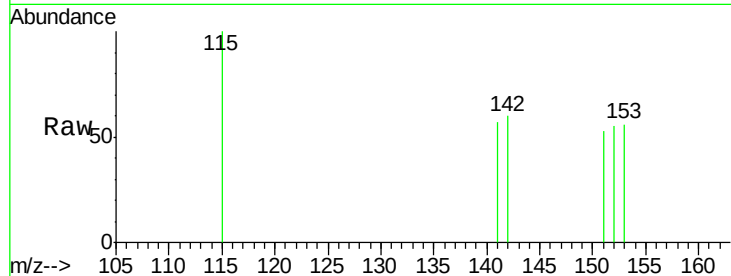
A4J71

Tgt Ion:142 Resp: 16

Ion Ratio Lower Upper

142 100

141 87.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.02

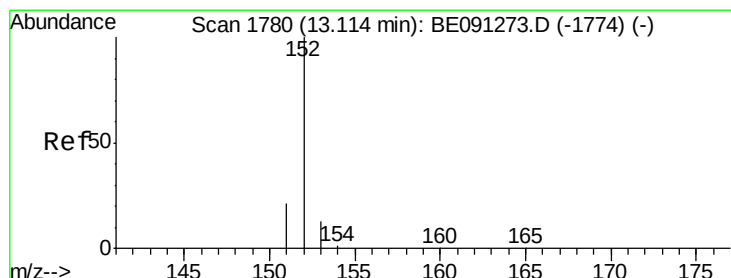
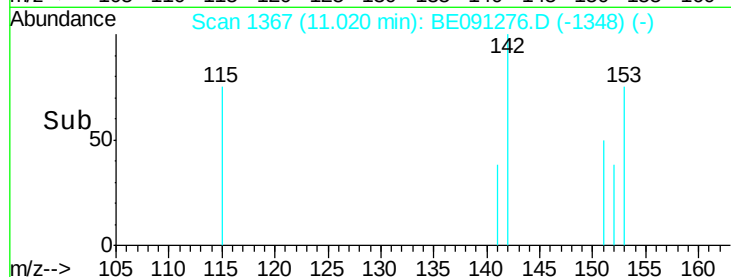
60

40

20

0

Time--> 11.00 11.02 11.04



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

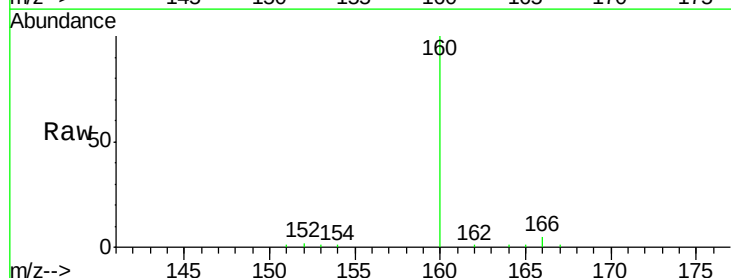
Tgt Ion:152 Resp: 473

Ion Ratio Lower Upper

152 100

151 41.9 16.8 25.2#

153 41.9 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

13.11

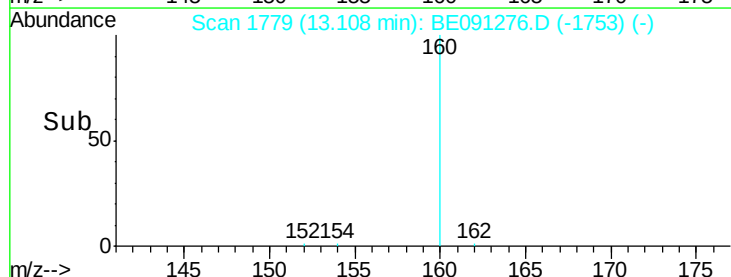
300

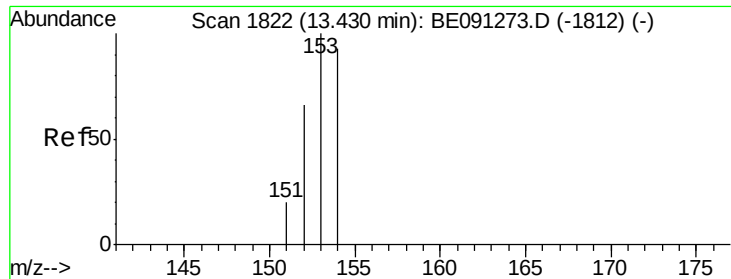
200

100

0

Time--> 13.00 13.10 13.20





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

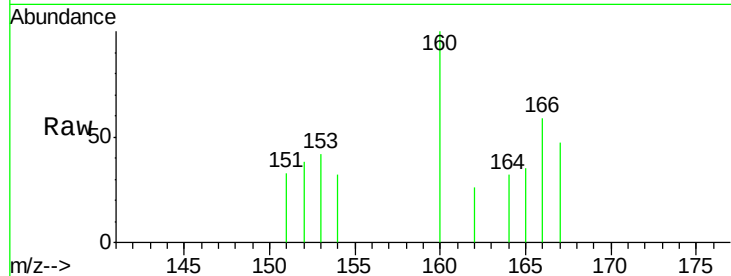
Tgt Ion:153 Resp: 135

Ion Ratio Lower Upper

153 100

152 89.9 42.3 63.5#

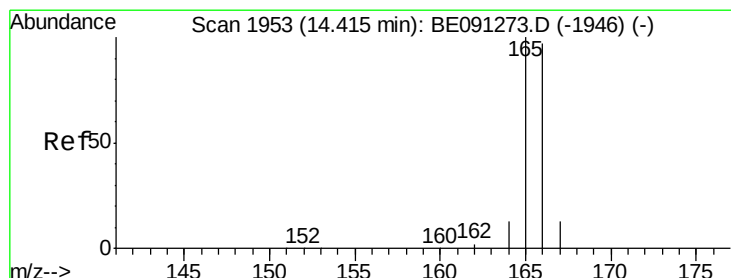
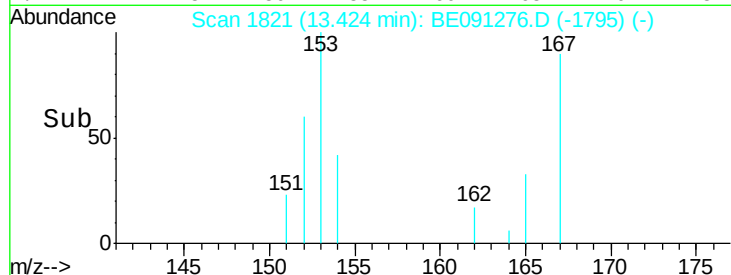
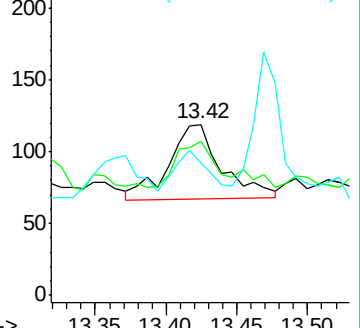
154 77.3 64.7 97.1



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: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

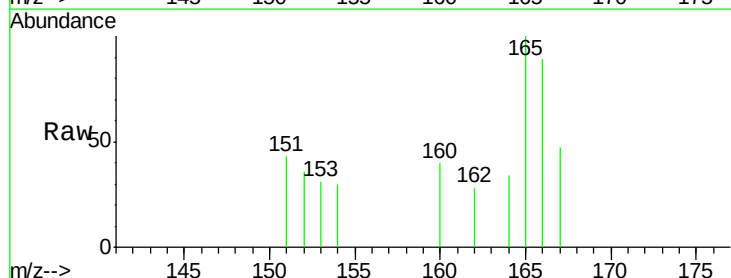
Tgt Ion:166 Resp: 301

Ion Ratio Lower Upper

166 100

165 112.9 87.6 131.4

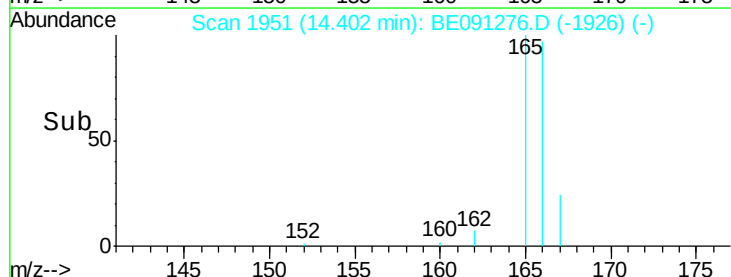
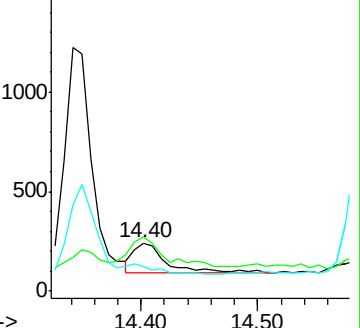
167 52.7 11.1 16.7#

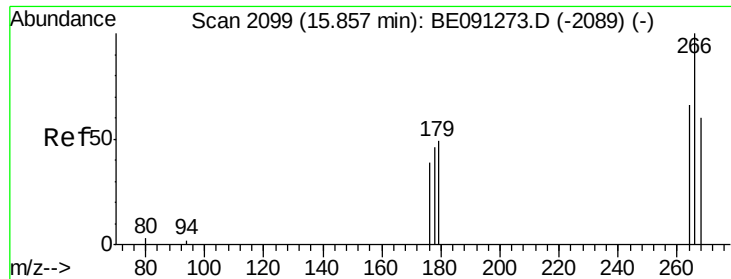


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

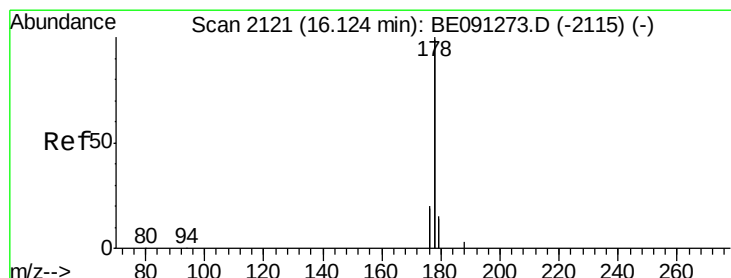
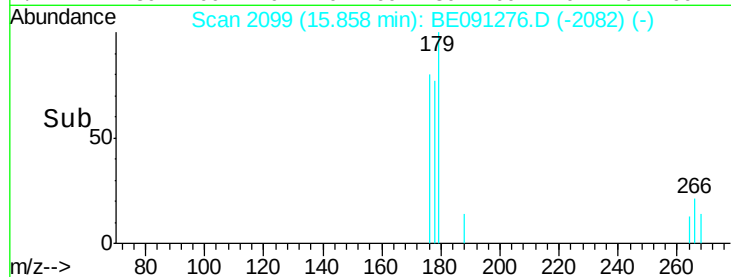
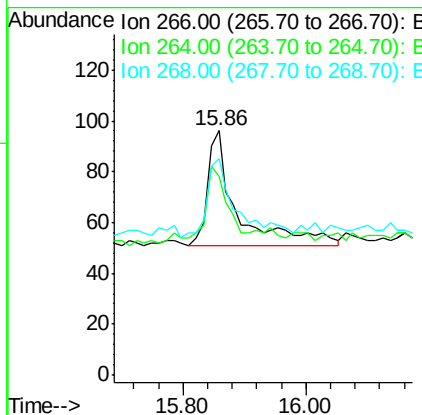
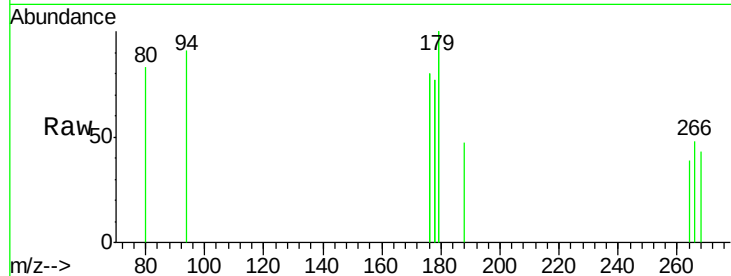




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091276.D
 Acq: 21 Nov 2015 14:16

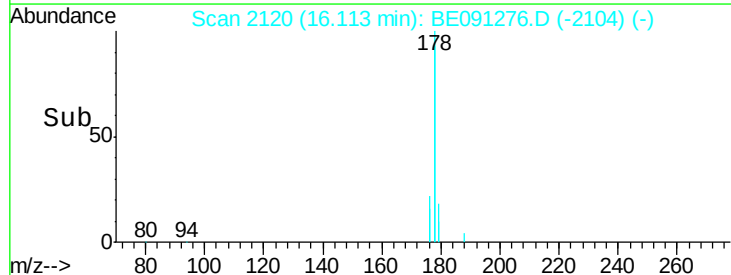
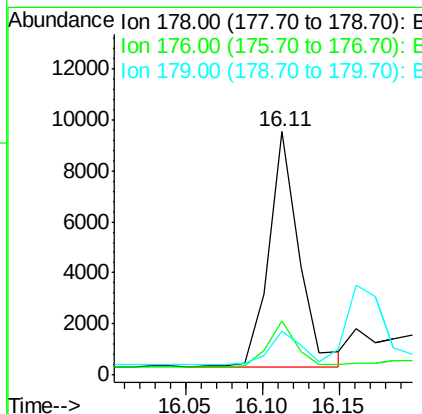
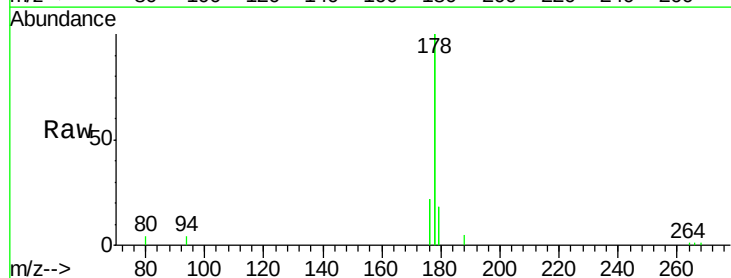
Instrument :
 BNA_E
 ClientSampleId :
 A4J71

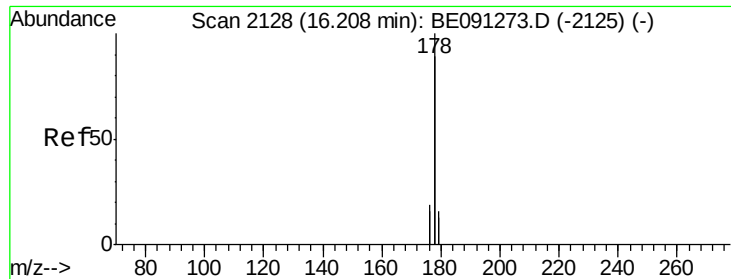
Tgt Ion: 266 Resp: 151
 Ion Ratio Lower Upper
 266 100
 264 49.0 53.5 80.3#
 268 69.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091276.D
 Acq: 21 Nov 2015 14:16

Tgt Ion: 178 Resp: 12618
 Ion Ratio Lower Upper
 178 100
 176 22.1 16.2 24.4
 179 18.3 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: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

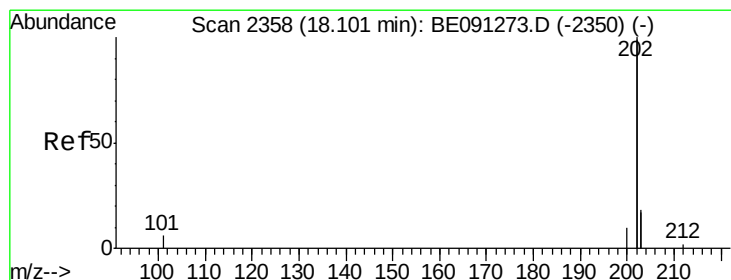
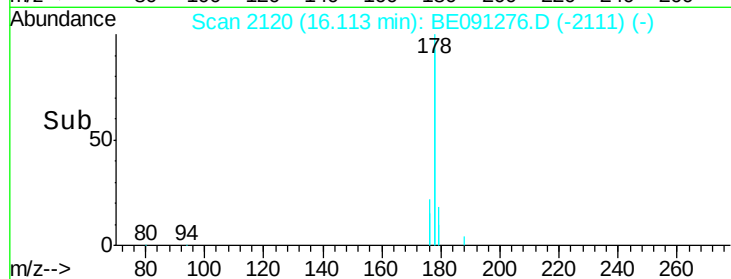
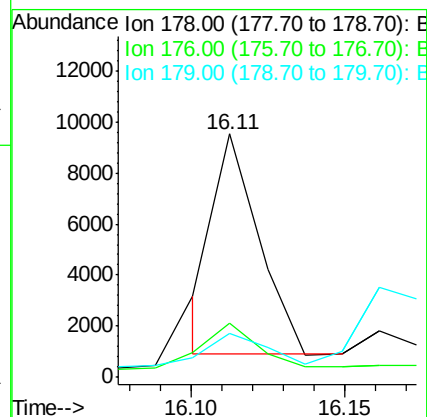
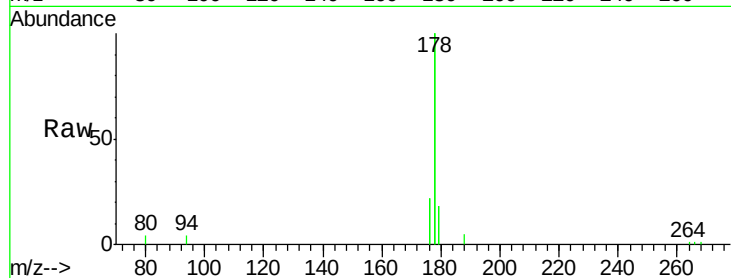
Tgt Ion:178 Resp: 8640

Ion Ratio Lower Upper

178 100

176 22.1 15.8 23.8

179 18.3 13.3 19.9



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

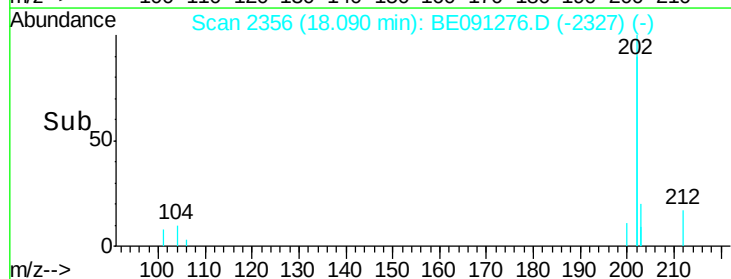
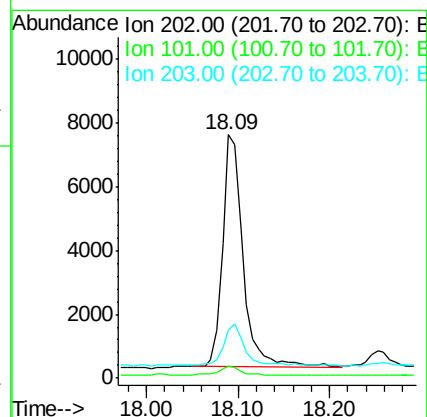
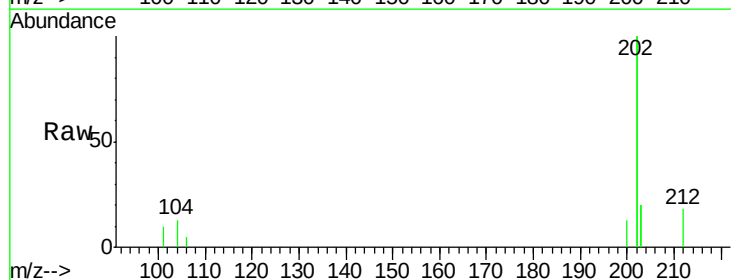
Tgt Ion:202 Resp: 11291

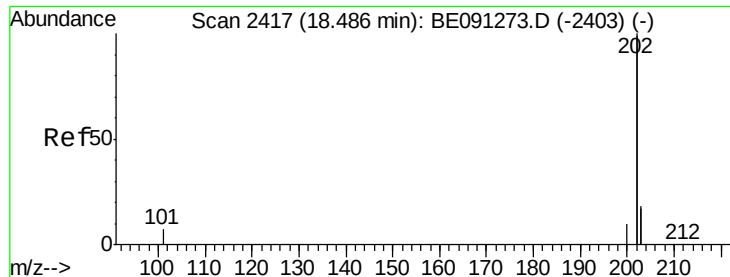
Ion Ratio Lower Upper

202 100

101 5.1 0.0 33.1

203 19.8 0.0 37.2





#19

Pyrene

Concen: 0.10 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

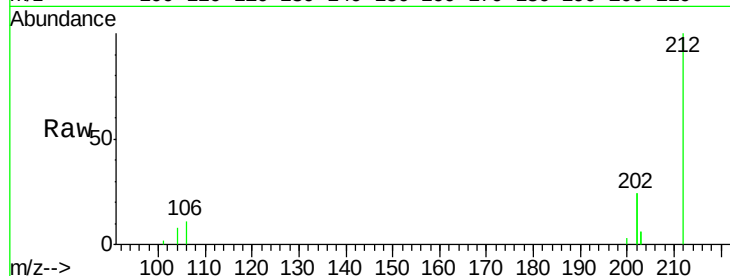
Tgt Ion:202 Resp: 19701

Ion Ratio Lower Upper

202 100

200 5.8 18.0 27.0#

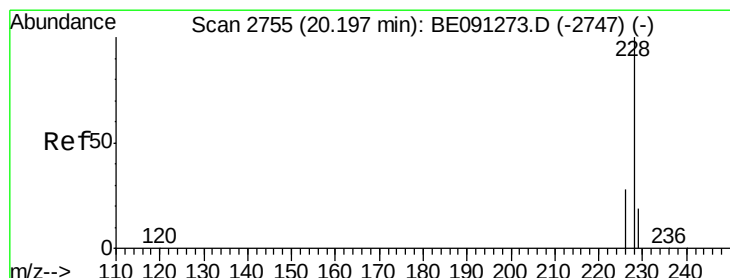
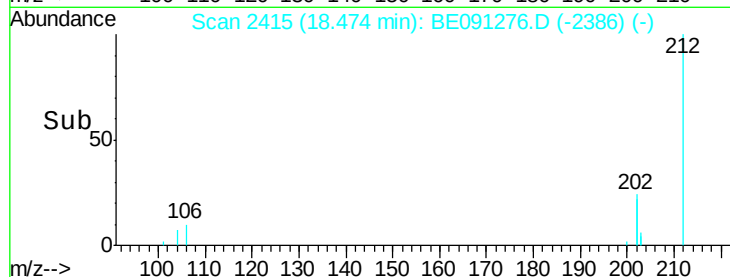
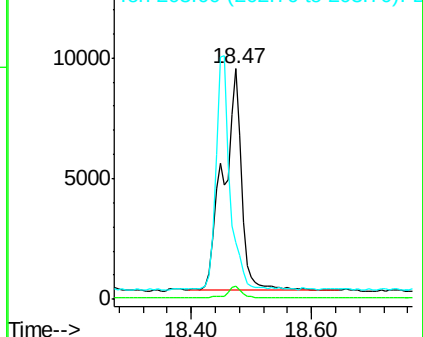
203 24.5 13.8 20.6#



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: 0.03 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

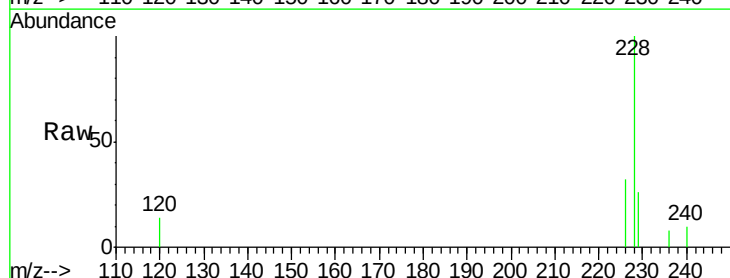
Tgt Ion:228 Resp: 1424

Ion Ratio Lower Upper

228 100

226 31.5 23.0 34.4

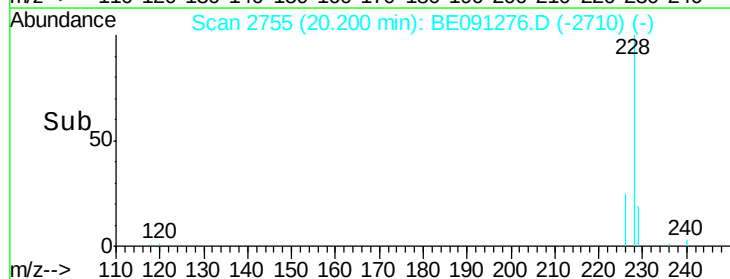
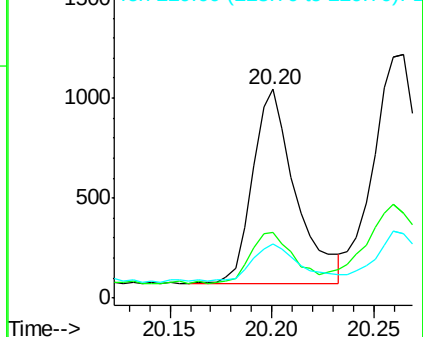
229 25.8 15.2 22.8#

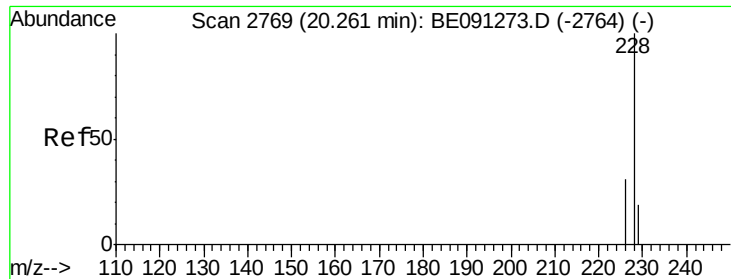


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.04 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

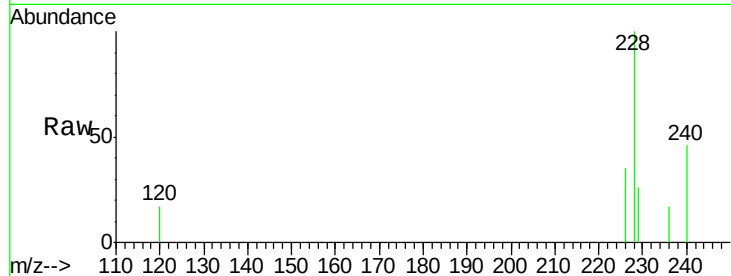
Tgt Ion:228 Resp: 2073

Ion Ratio Lower Upper

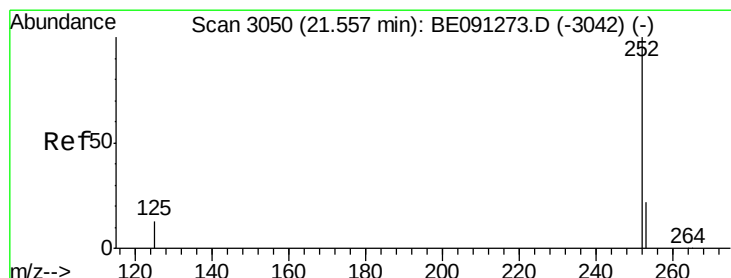
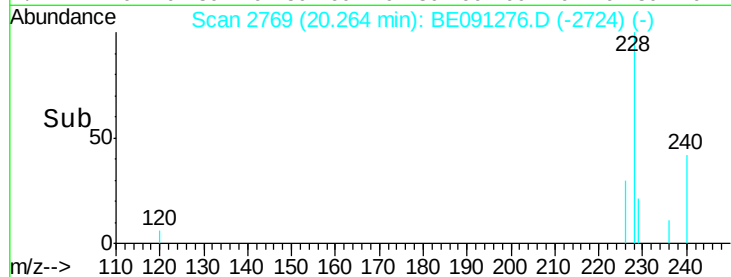
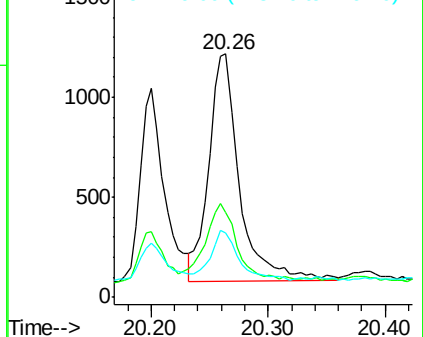
228 100

226 34.7 25.7 38.5

229 26.3 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: 0.00 ng/ul

RT: 21.41 min Scan# 3018

Delta R.T. -0.14 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

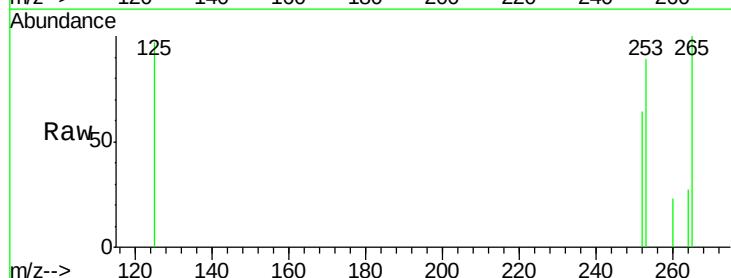
Tgt Ion:252 Resp: 35

Ion Ratio Lower Upper

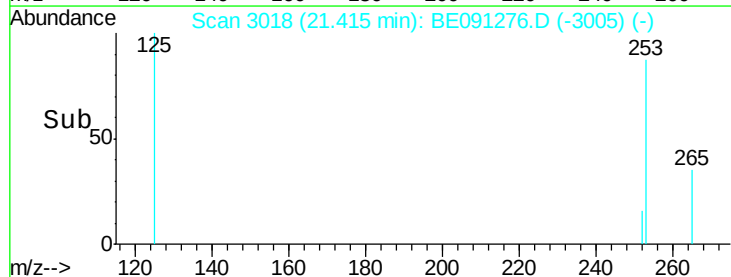
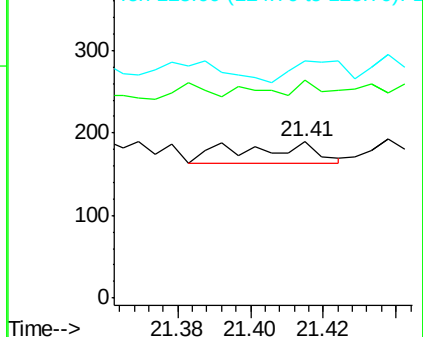
252 100

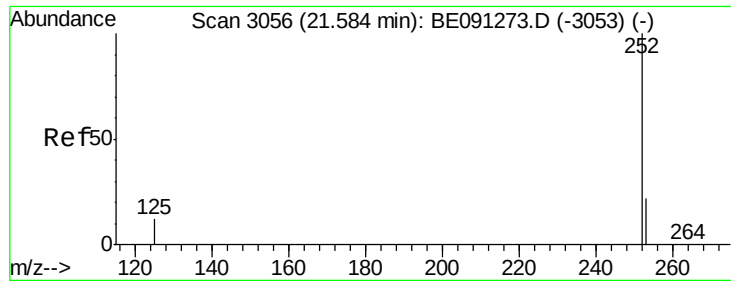
253 139.7 0.0 48.0#

125 152.4 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: 21.50 min Scan# 3037

Delta R.T. -0.08 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

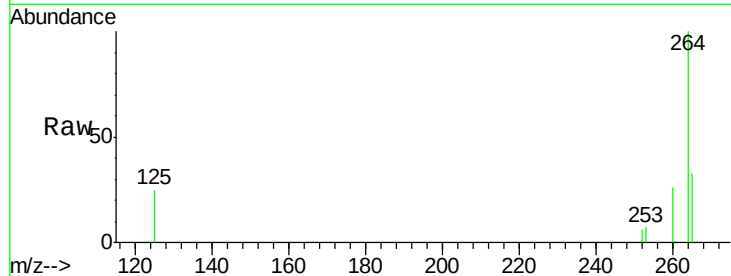
Tgt Ion:252 Resp: 55

Ion Ratio Lower Upper

252 100

253 121.8 20.8 31.2#

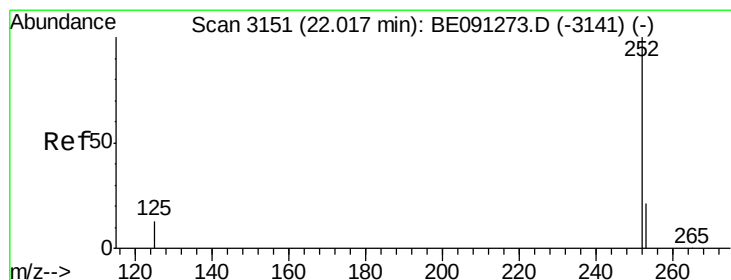
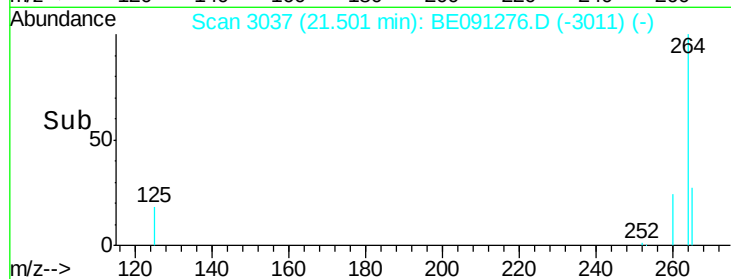
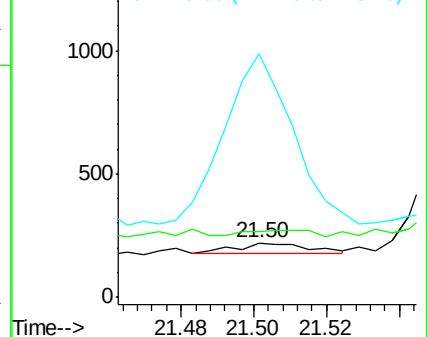
125 448.6 12.2 18.4#



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: 0.00 ng/ul

RT: 21.98 min Scan# 3142

Delta R.T. -0.04 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

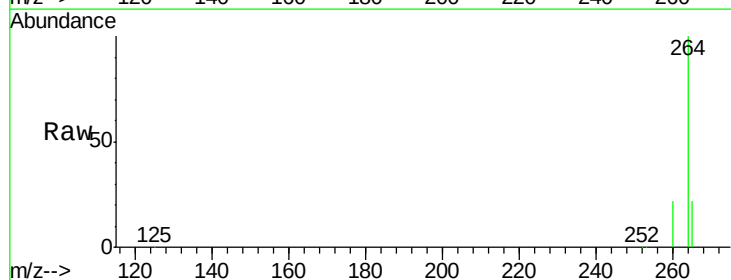
Tgt Ion:252 Resp: 5755

Ion Ratio Lower Upper

252 100

253 38.8 21.8 32.8#

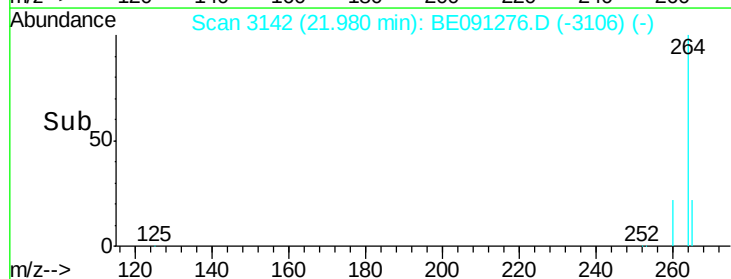
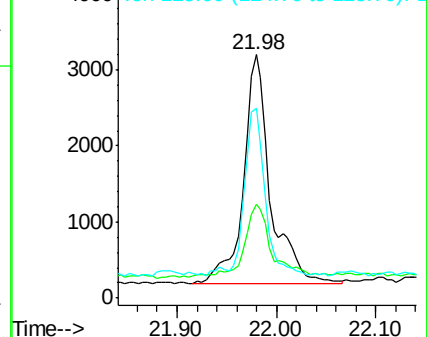
125 77.9 14.5 21.7#

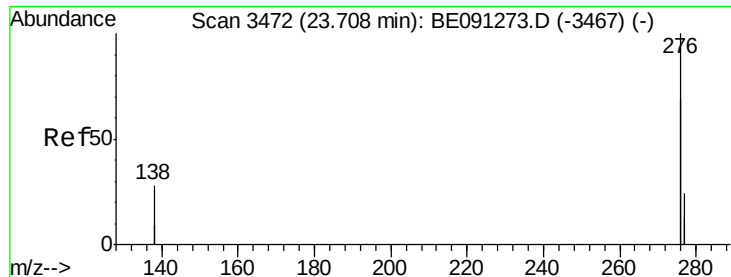


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.00 ng/ul

RT: 23.55 min Scan# 3448

Delta R.T. -0.16 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71

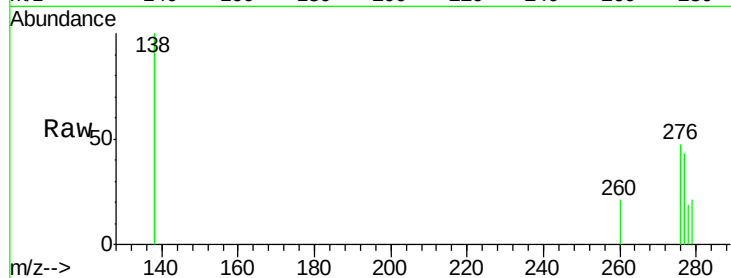
Tgt Ion:276 Resp: 361

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

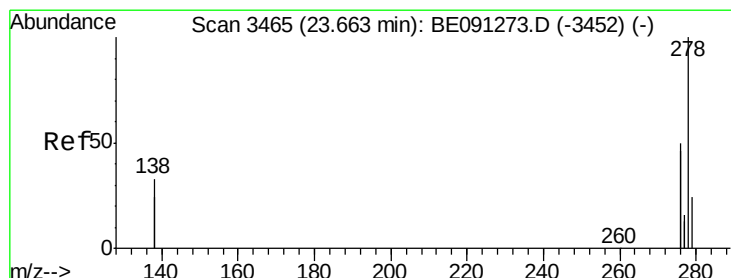
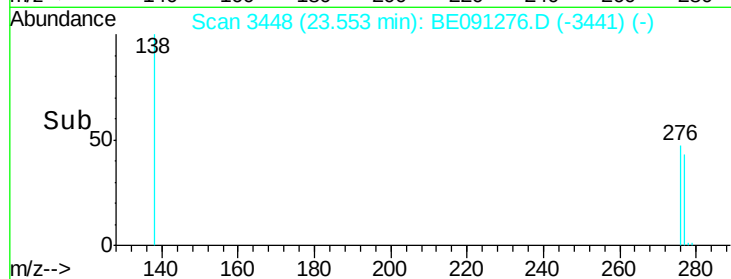
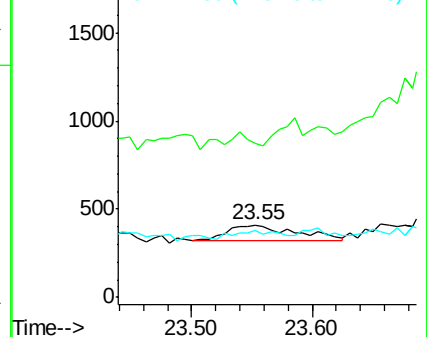
277 29.4 19.3 28.9#



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: 0.00 ng/ul

RT: 23.55 min Scan# 3448

Delta R.T. -0.11 min

Lab File: BE091276.D

Acq: 21 Nov 2015 14:16

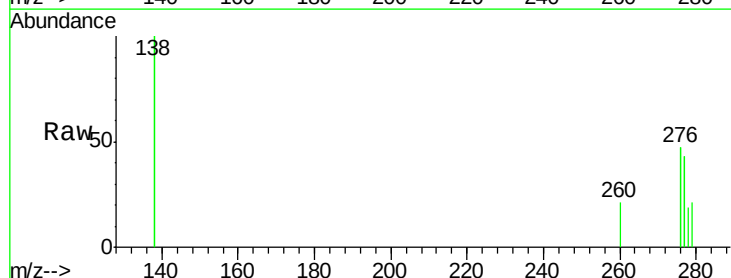
Tgt Ion:278 Resp: 25

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

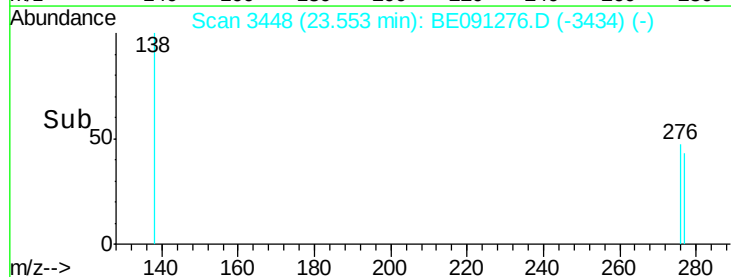
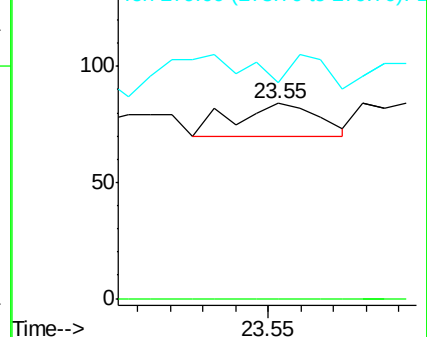
279 110.7 21.9 32.9#

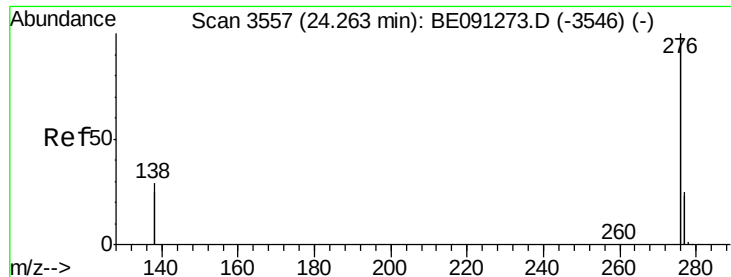


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.18 min Scan# 3544

Delta R.T. -0.08 min

Lab File: BE091276.D

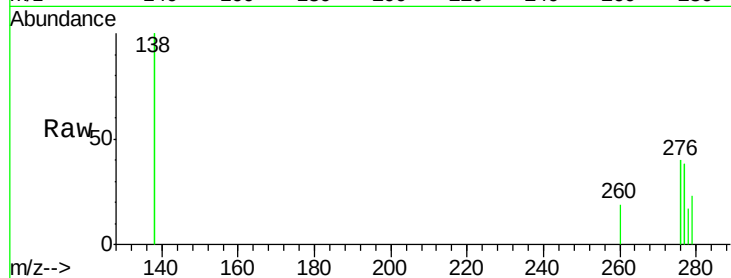
Acq: 21 Nov 2015 14:16

Instrument :

BNA_E

ClientSampleId :

A4J71



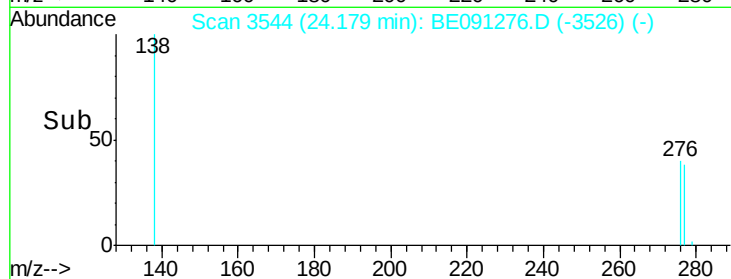
Tgt Ion: 276 Resp: 86

Ion Ratio Lower Upper

276 100

277 95.1 21.3 31.9#

138 247.5 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

