

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091228.D
 Acq On : 18 Nov 2015 15:17
 Operator : UM/NP
 Sample : G4342-03RE
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KP0

Quant Time: Nov 19 04:29:40 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	6.88	152	3974	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.56	136	20192	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	11914	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.17	188	1279042	0.40	ng/ul	0.08
18) Chrysene-d12	20.23	240	63216	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	69665	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.97	96	17186	6.01	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	4626	0.17	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	15610	0.00	ng/ul	0.00

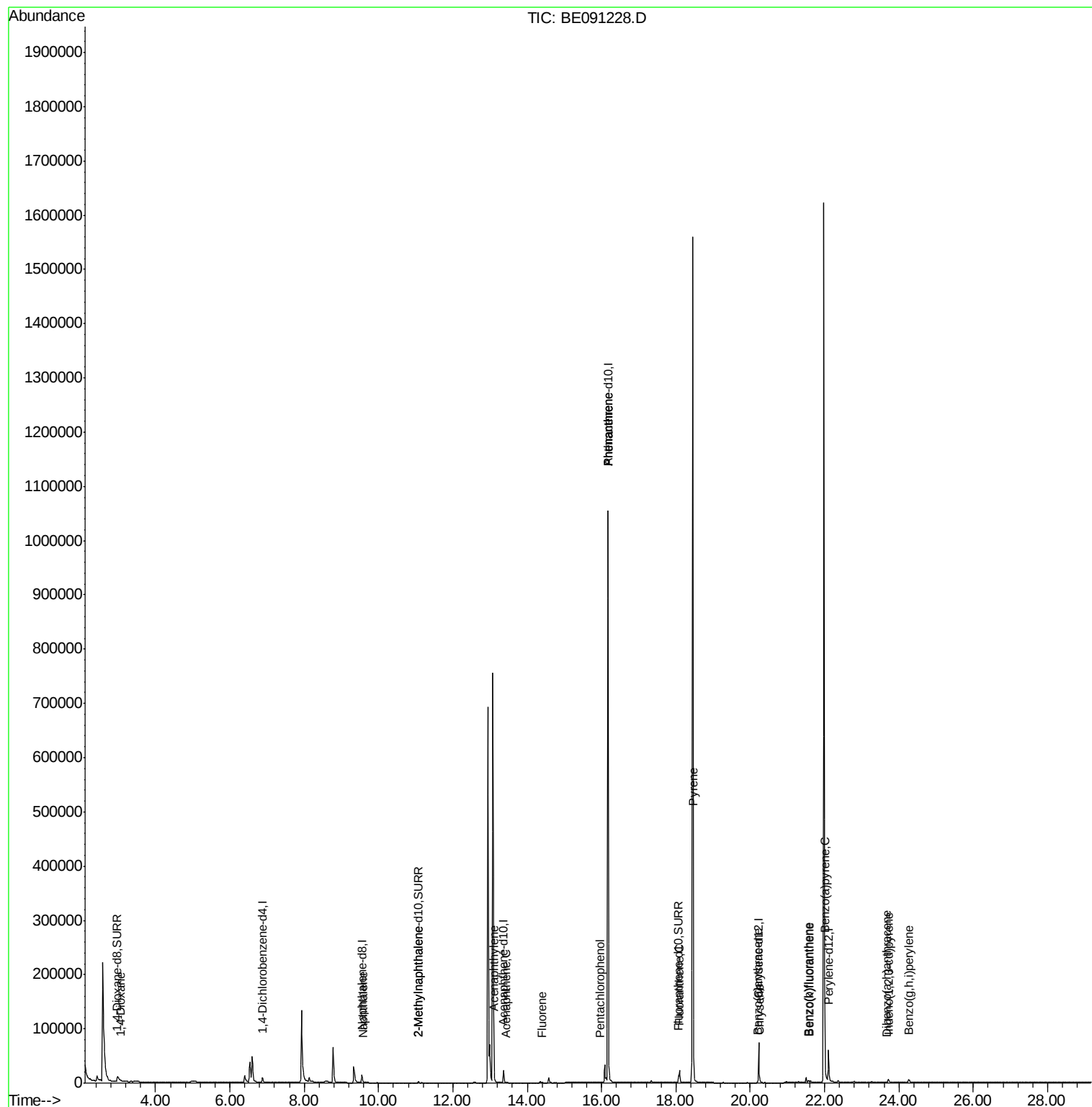
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.08	88	168	0.05	ng/ul#	1
5) Naphthalene	9.60	128	338	0.01	ng/ul#	1
7) 2-Methylnaphthalene	11.07	142	9	0.00	ng/ul	99
9) Acenaphthylene	13.11	152	64	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	86	0.00	ng/ul#	68
11) Fluorene	14.41	166	143	0.00	ng/ul#	82
13) Pentachlorophenol	15.97	266	5	0.00	ng/ul#	1
14) Phenanthrene	16.17	178	3680	0.00	ng/ul#	1
15) Anthracene	16.17	178	3554	0.00	ng/ul#	1
17) Fluoranthene	18.09	202	24697	0.00	ng/ul	88
19) Pyrene	18.47	202	34727	0.05	ng/ul#	70
20) Benzo(a)anthracene	20.20	228	2156	0.01	ng/ul#	89
21) Chrysene	20.26	228	3853	0.02	ng/ul#	93
23) Benzo(b)fluoranthene	21.56	252	3228	0.01	ng/ul	83
24) Benzo(k)fluoranthene	21.58	252	2990	0.01	ng/ul#	74
25) Benzo(a)pyrene	22.01	252	2585	0.01	ng/ul#	77
26) Indeno(1,2,3-cd)pyrene	23.72	276	7836	0.01	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.66	278	584	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	24.26	276	9353	0.01	ng/ul#	85

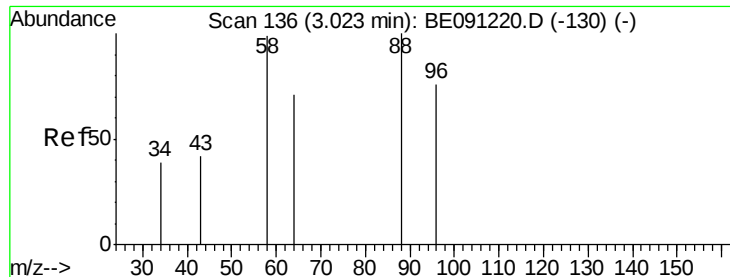
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.05 ng/ul

RT: 3.08 min Scan# 144

Delta R.T. 0.05 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

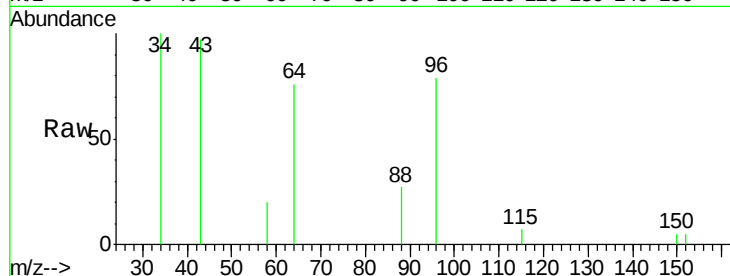
Tgt Ion: 88 Resp: 168

Ion Ratio Lower Upper

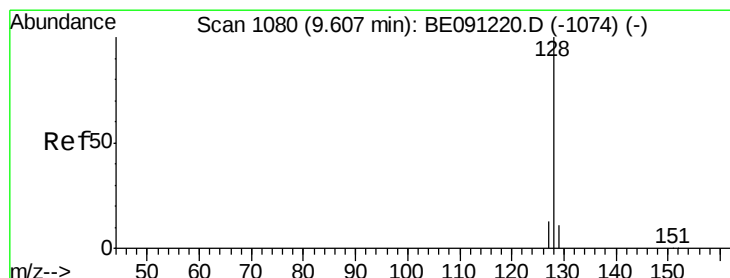
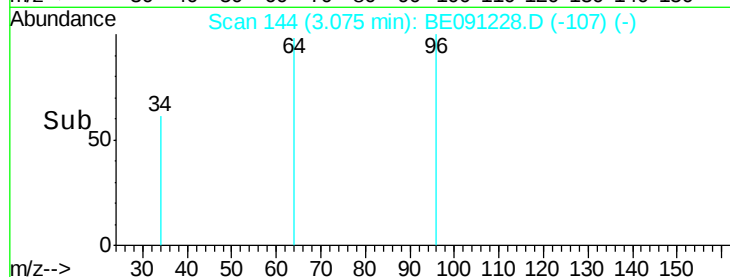
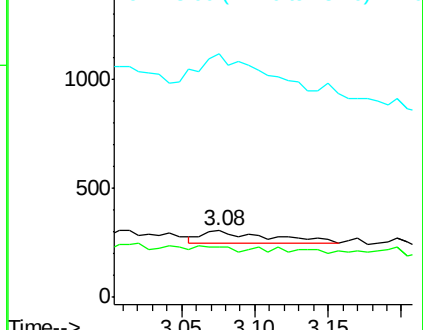
88 100

58 0.0 55.4 83.2#

43 473.8 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: 0.01 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

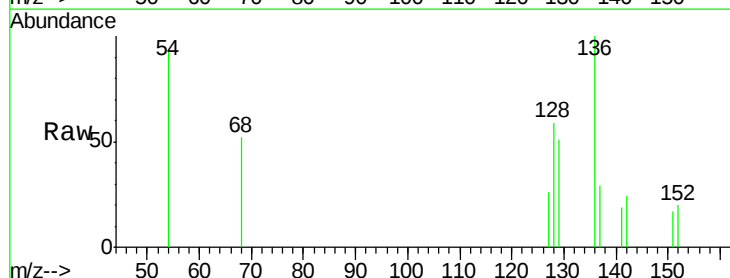
Tgt Ion: 128 Resp: 338

Ion Ratio Lower Upper

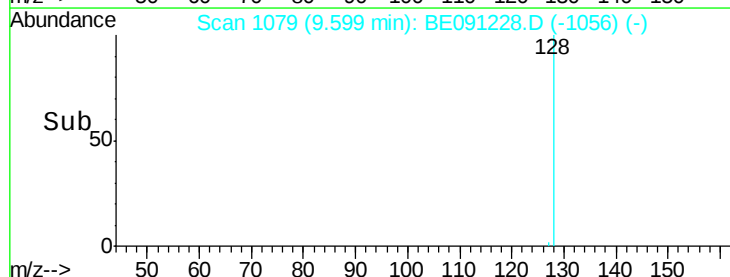
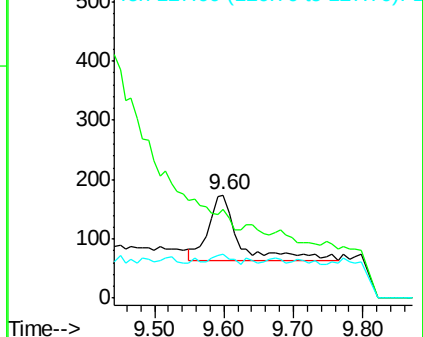
128 100

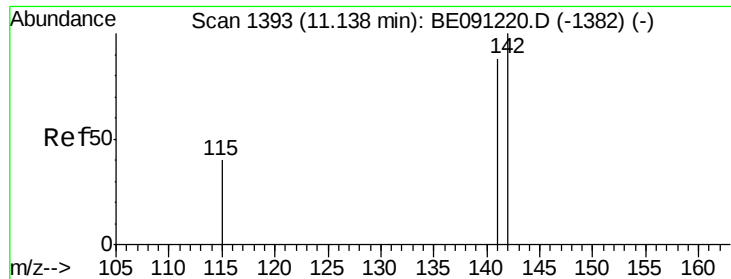
129 85.6 9.8 14.8#

127 43.1 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: 11.07 min Scan# 1379

Delta R.T. -0.06 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

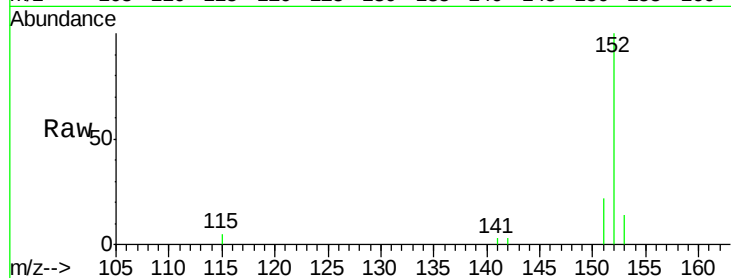
D9KP0

Tgt Ion:142 Resp: 9

Ion Ratio Lower Upper

142 100

141 88.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.07

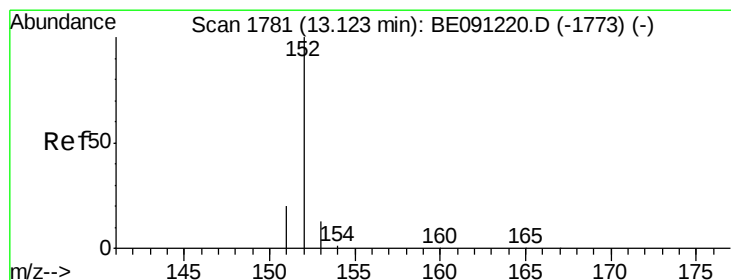
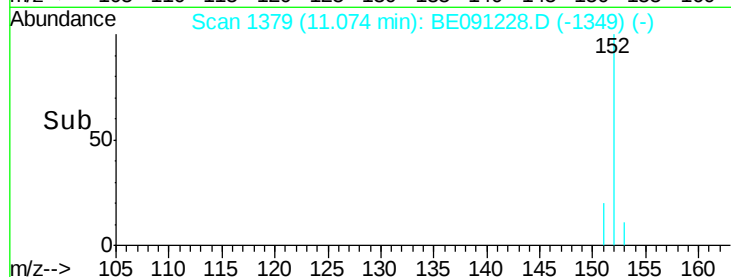
60

40

20

0

Time--> 11.04 11.06 11.08



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

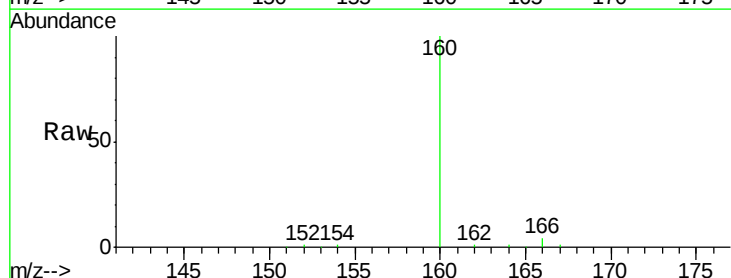
Tgt Ion:152 Resp: 64

Ion Ratio Lower Upper

152 100

151 76.5 16.8 25.2#

153 71.4 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

300

250

200

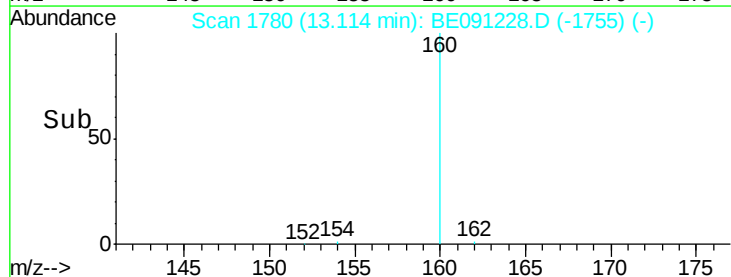
150

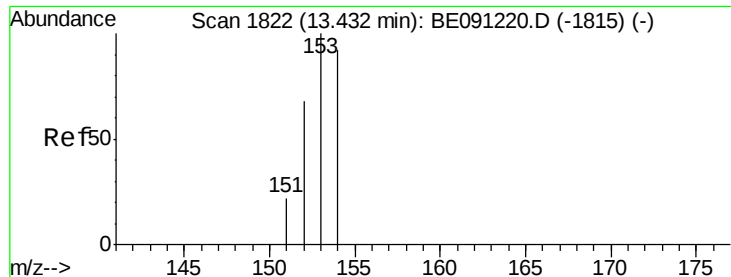
100

50

0

Time--> 13.10 13.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

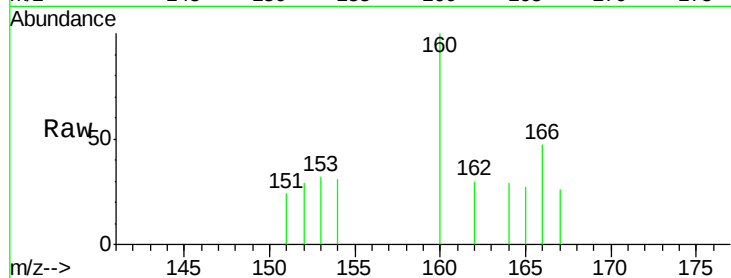
Tgt Ion:153 Resp: 86

Ion Ratio Lower Upper

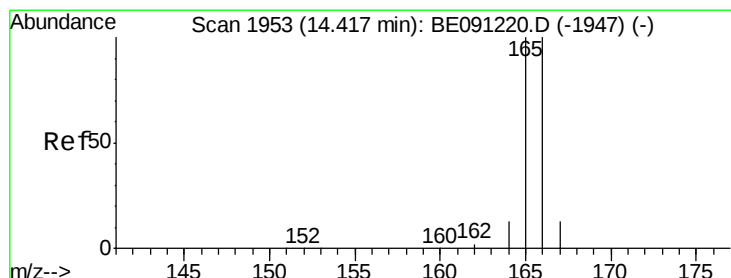
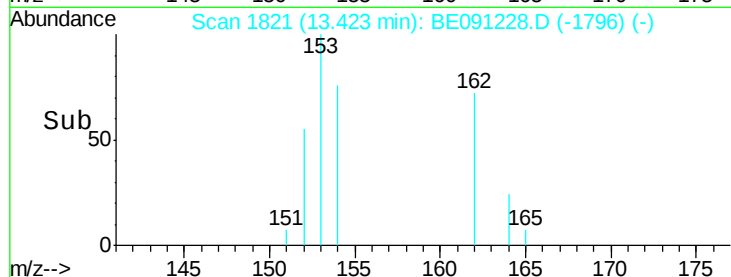
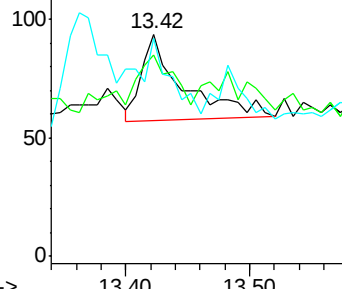
153 100

152 90.4 42.3 63.5#

154 97.9 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: 0.00 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

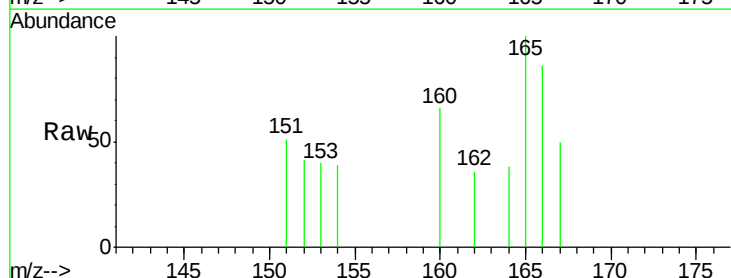
Tgt Ion:166 Resp: 143

Ion Ratio Lower Upper

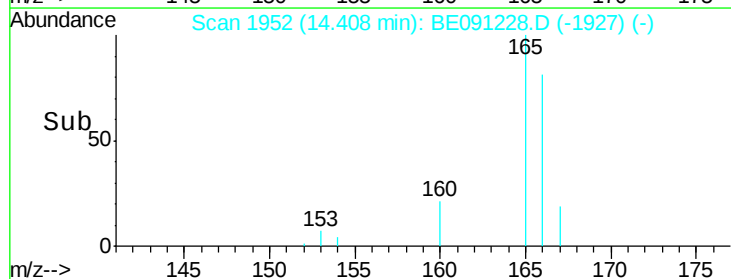
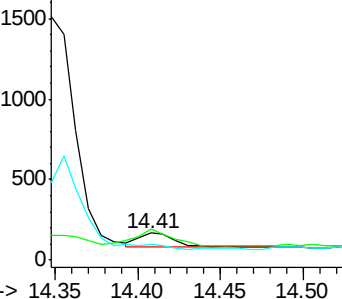
166 100

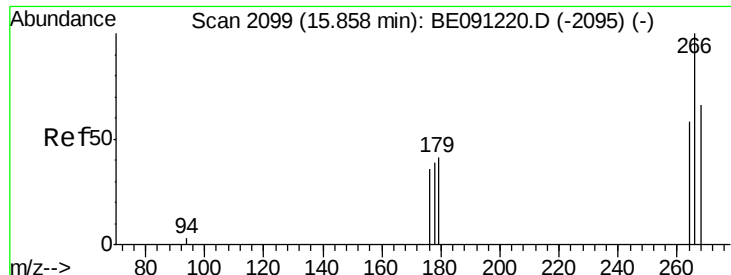
165 116.3 87.6 131.4

167 57.8 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

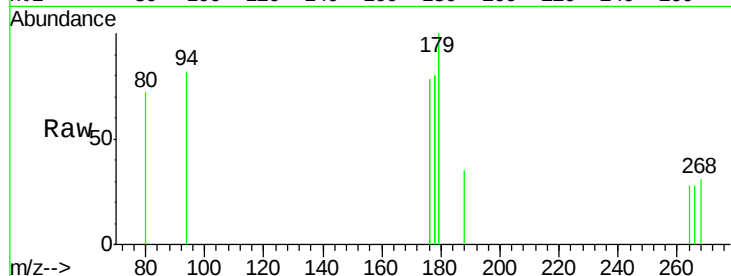




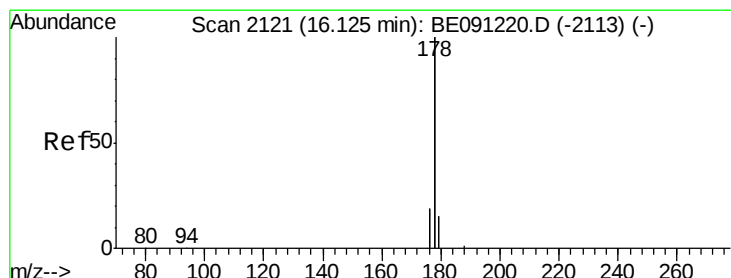
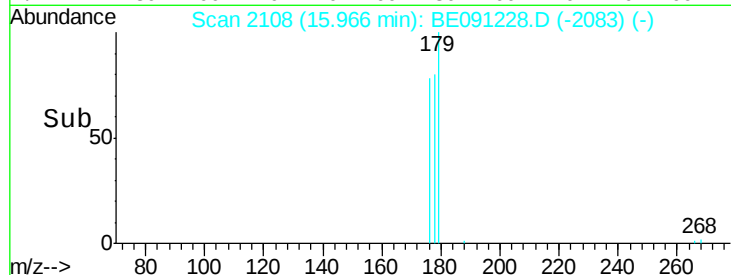
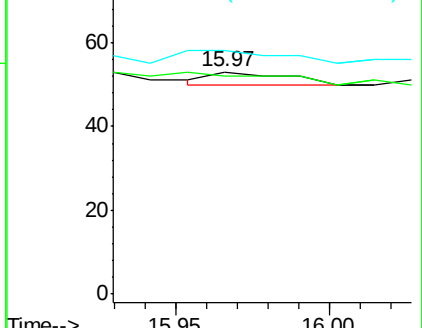
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.97 min Scan# 2108
 Delta R.T. 0.11 min
 Lab File: BE091228.D
 Acq: 18 Nov 2015 15:17

Instrument :
 BNA_E
 ClientSampleId :
 D9KP0

Tgt Ion: 266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 240.0 54.2 81.2#

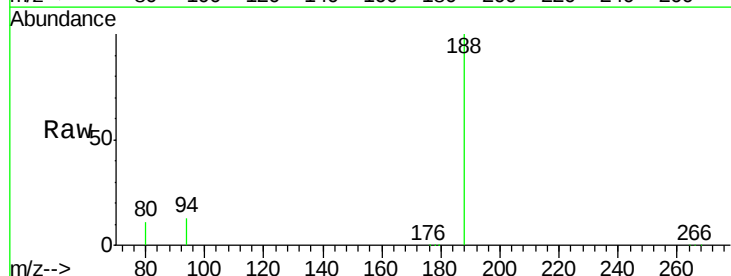


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

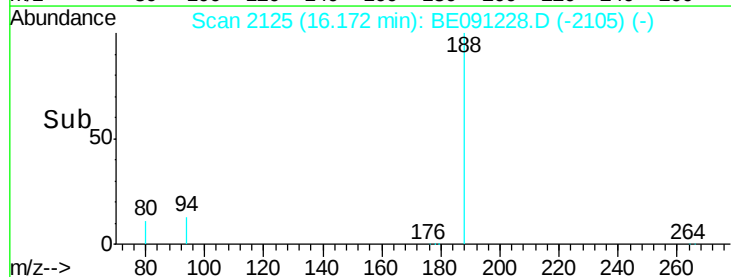
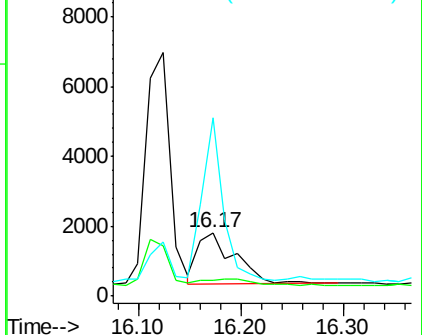


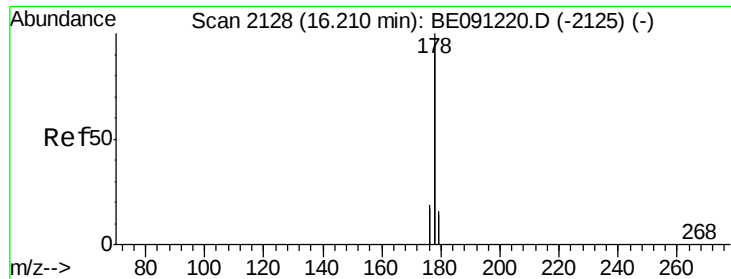
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.17 min Scan# 2125
 Delta R.T. 0.05 min
 Lab File: BE091228.D
 Acq: 18 Nov 2015 15:17

Tgt Ion: 178 Resp: 3680
 Ion Ratio Lower Upper
 178 100
 176 24.5 16.2 24.4#
 179 279.9 12.8 19.2#



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





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.17 min Scan# 2125

Delta R.T. -0.04 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

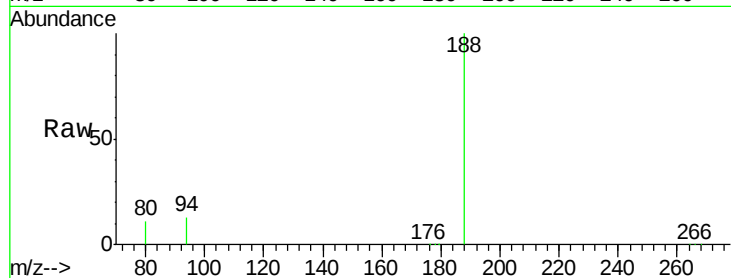
Tgt Ion:178 Resp: 3554

Ion Ratio Lower Upper

178 100

176 24.5 15.8 23.8#

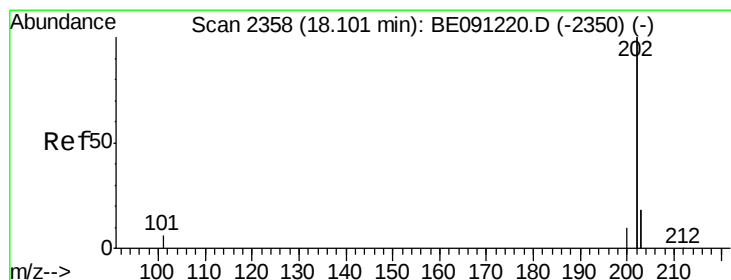
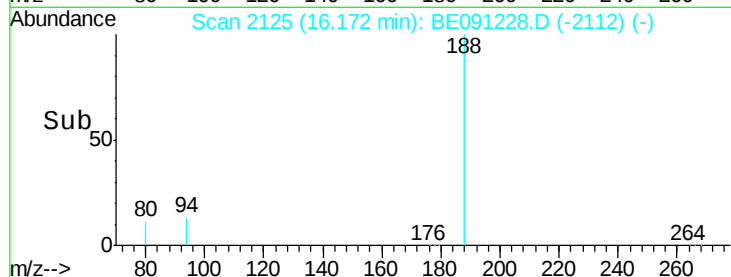
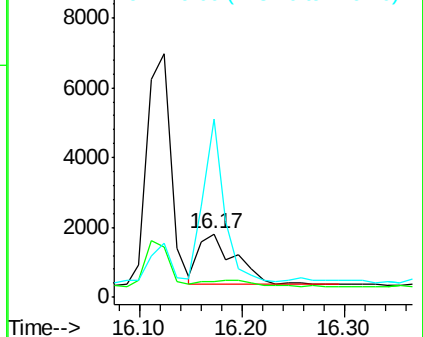
179 279.9 13.3 19.9#



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: 18.09 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

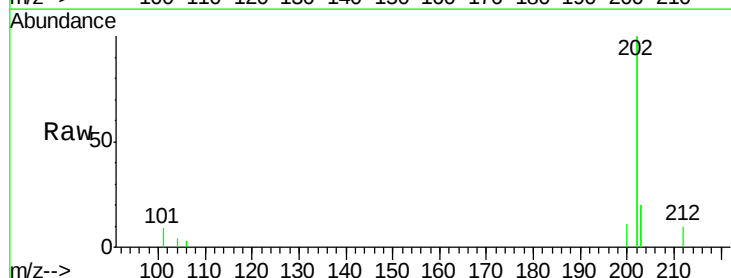
Tgt Ion:202 Resp: 24697

Ion Ratio Lower Upper

202 100

101 4.5 0.0 33.1

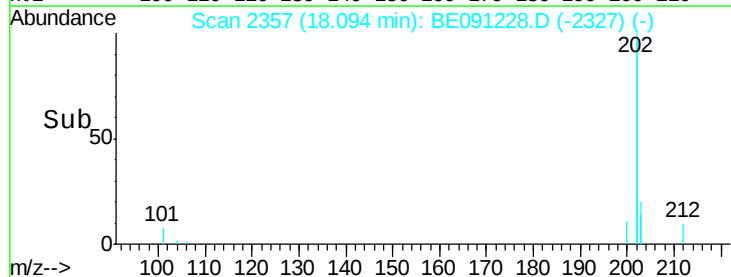
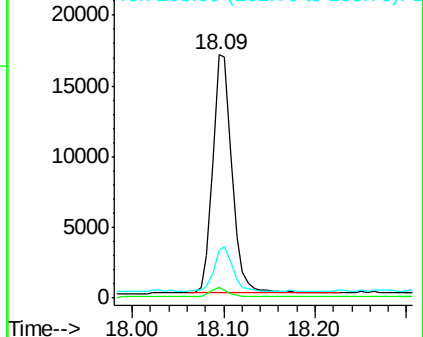
203 19.6 0.0 37.2

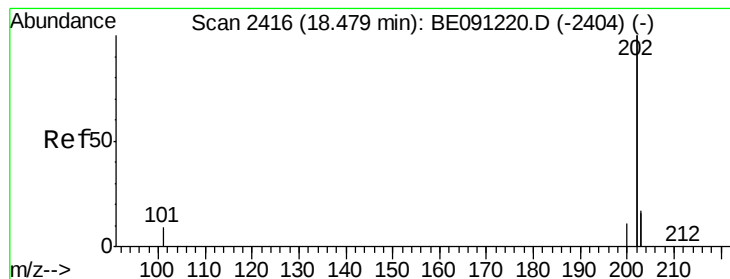


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.05 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

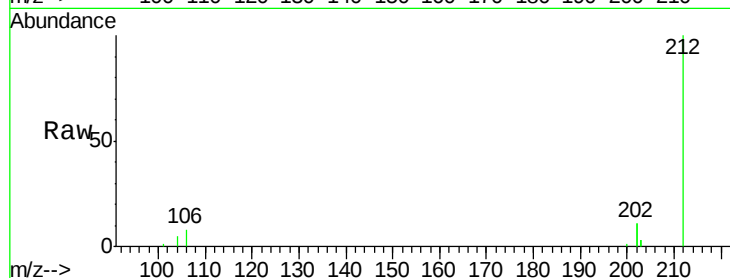
Tgt Ion:202 Resp: 34727

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

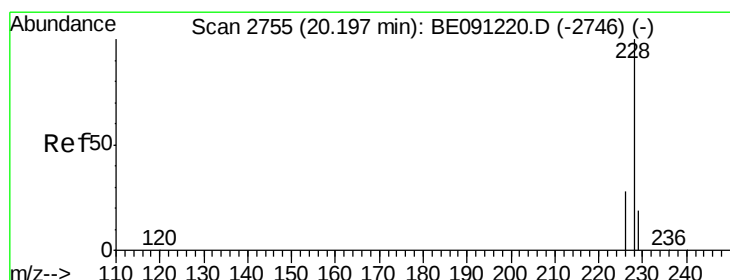
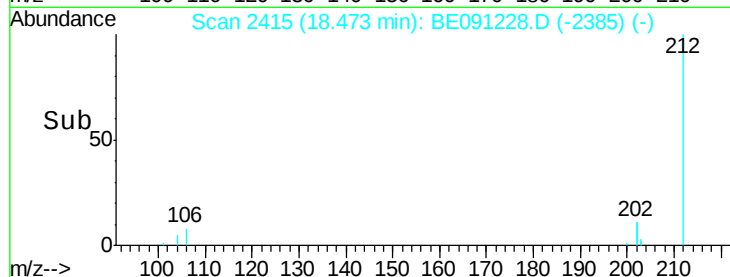
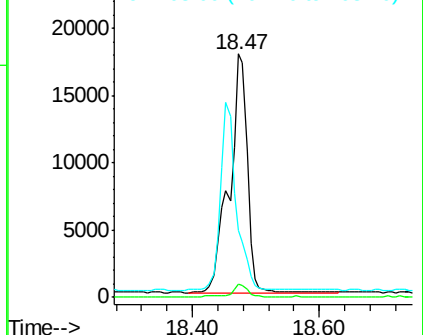
203 27.4 13.8 20.6#



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: 0.01 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

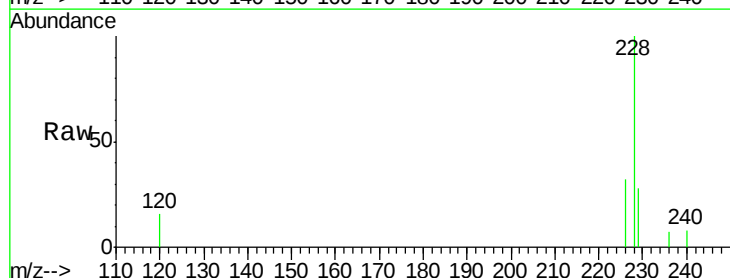
Tgt Ion:228 Resp: 2156

Ion Ratio Lower Upper

228 100

226 31.8 23.0 34.4

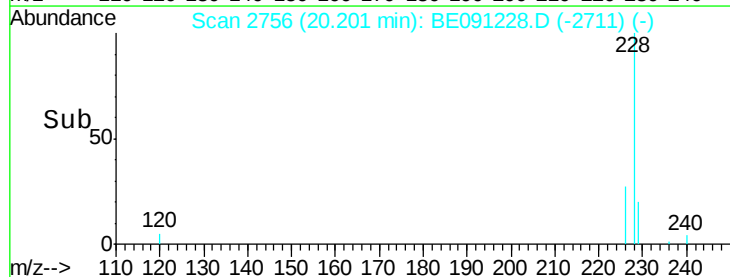
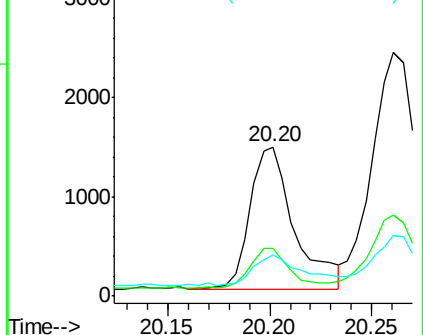
229 27.9 15.2 22.8#

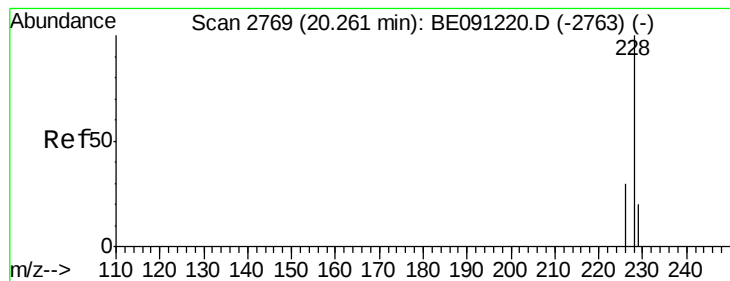


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

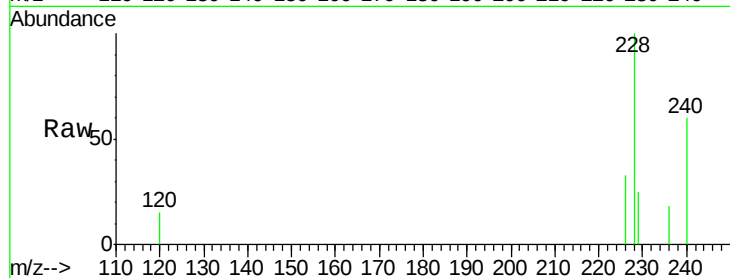
Tgt Ion:228 Resp: 3853

Ion Ratio Lower Upper

228 100

226 33.5 25.7 38.5

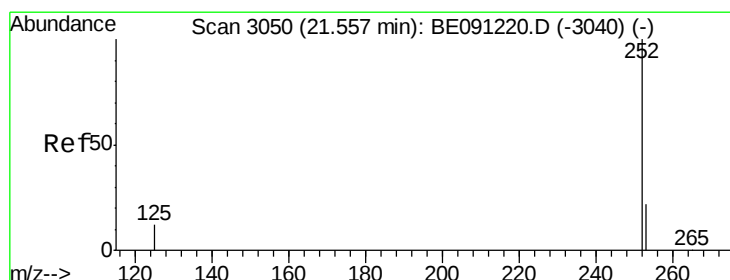
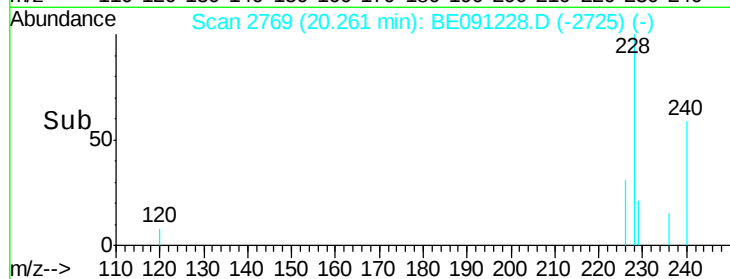
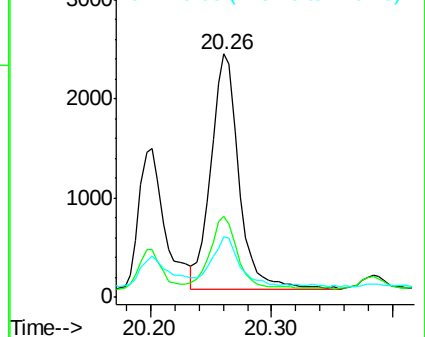
229 25.0 15.2 22.8#



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: 0.01 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

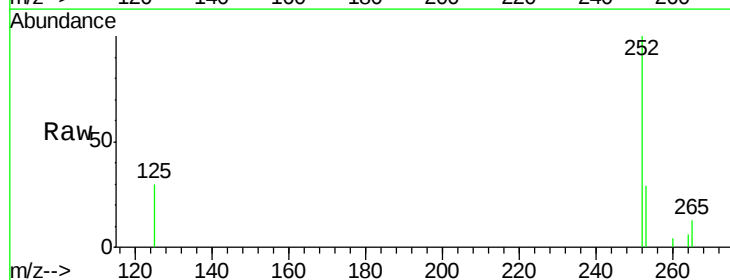
Tgt Ion:252 Resp: 3228

Ion Ratio Lower Upper

252 100

253 29.2 0.0 48.0

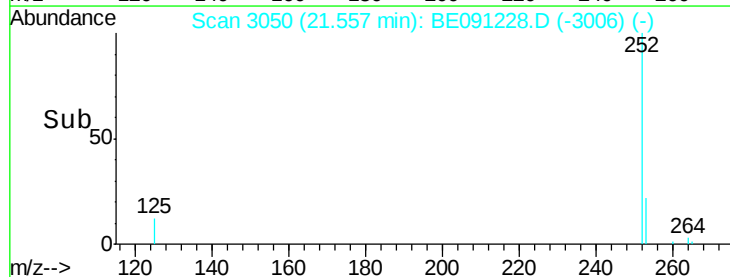
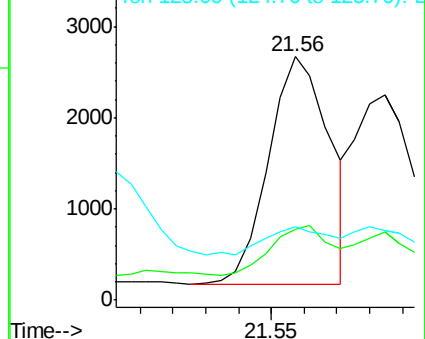
125 30.1 0.0 36.6

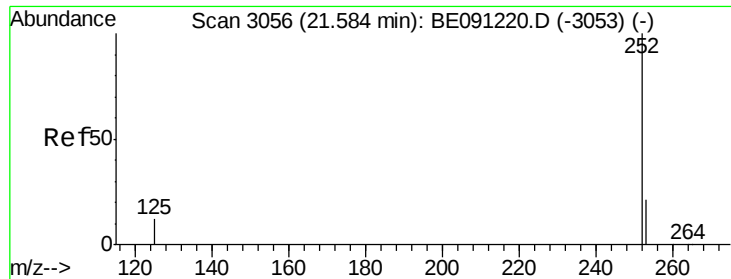


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

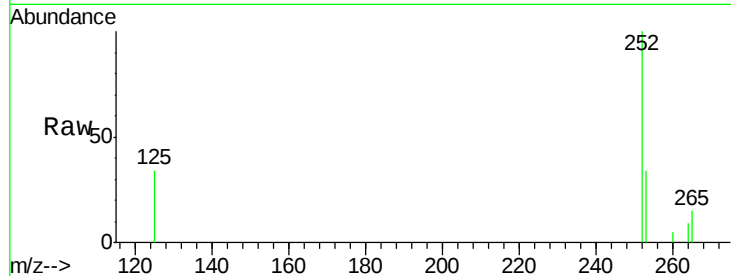
Tgt Ion:252 Resp: 2990

Ion Ratio Lower Upper

252 100

253 33.5 20.8 31.2#

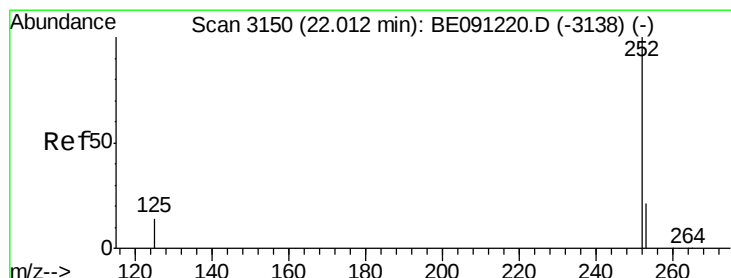
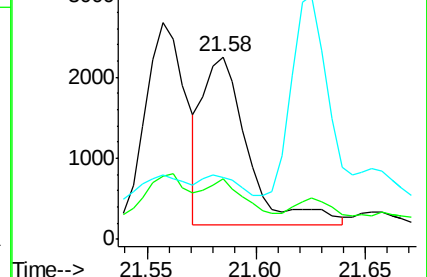
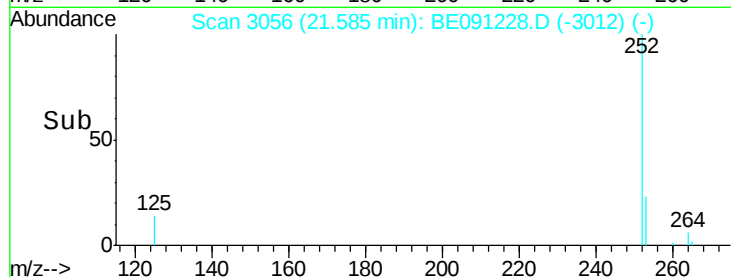
125 34.1 12.2 18.4#



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: 0.01 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

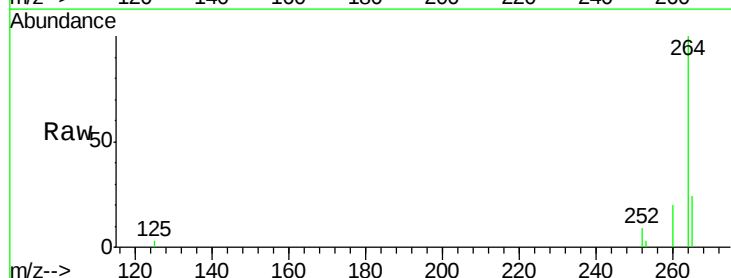
Tgt Ion:252 Resp: 2585

Ion Ratio Lower Upper

252 100

253 33.6 21.8 32.8#

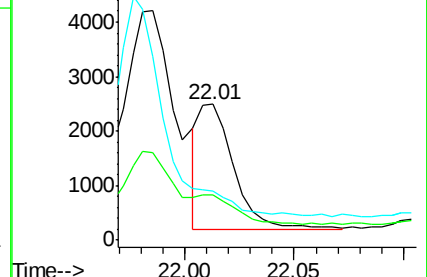
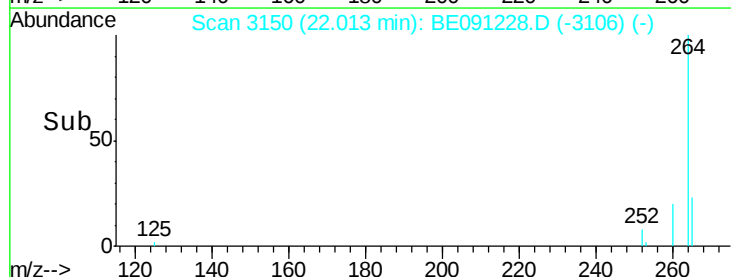
125 35.8 14.5 21.7#

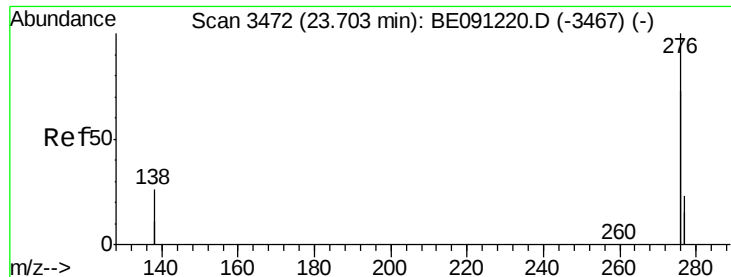


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.01 ng/ul

RT: 23.72 min Scan# 3474

Delta R.T. 0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

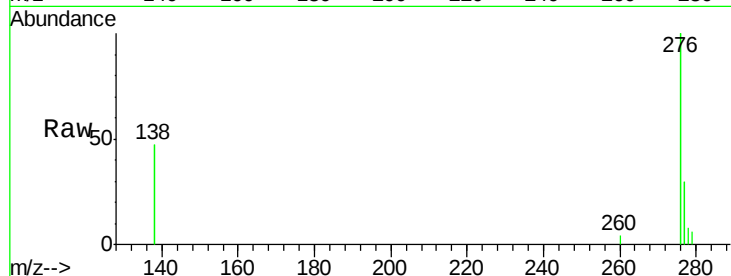
Tgt Ion:276 Resp: 7836

Ion Ratio Lower Upper

276 100

138 25.7 27.5 41.3#

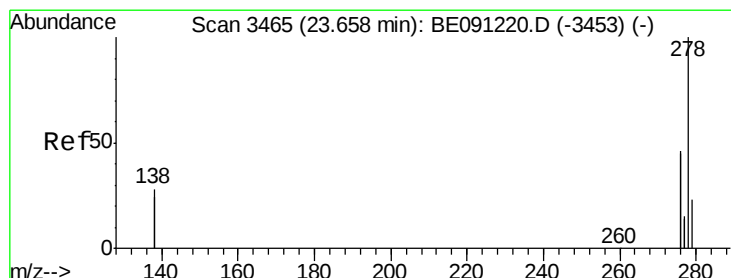
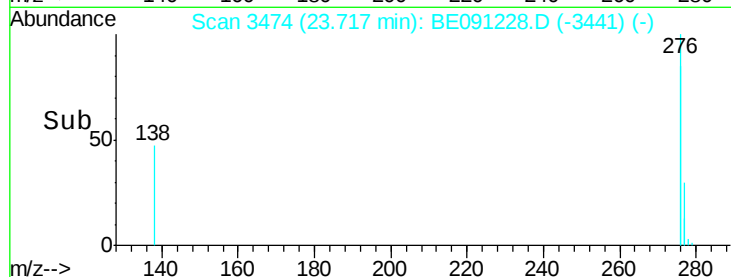
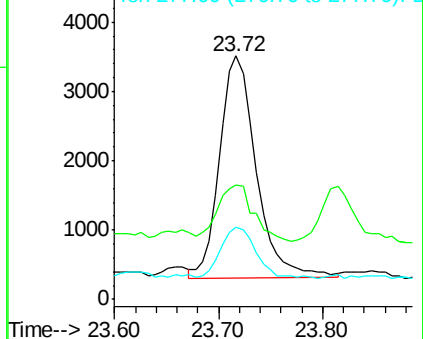
277 22.8 19.3 28.9



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: 23.66 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

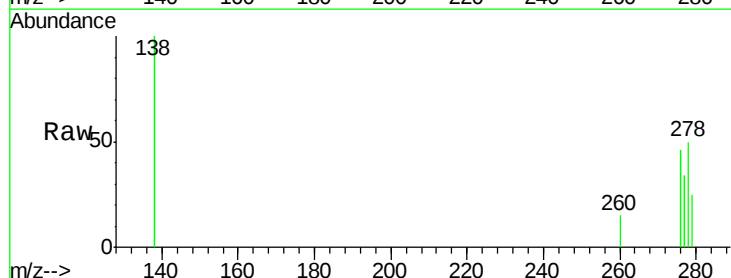
Tgt Ion:278 Resp: 584

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

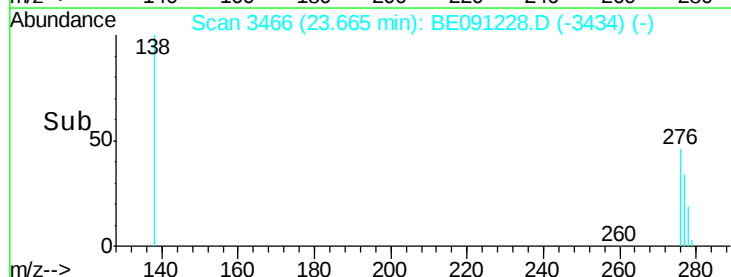
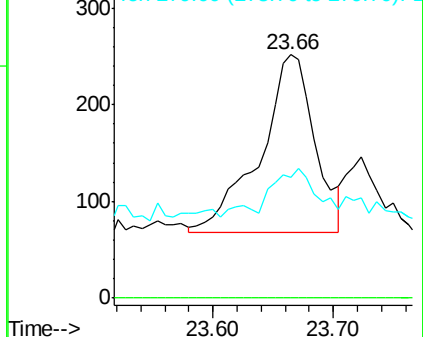
279 49.6 21.9 32.9#

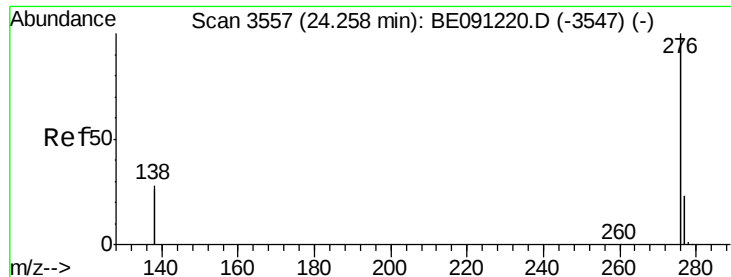


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.01 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091228.D

Acq: 18 Nov 2015 15:17

Instrument :

BNA_E

ClientSampleId :

D9KP0

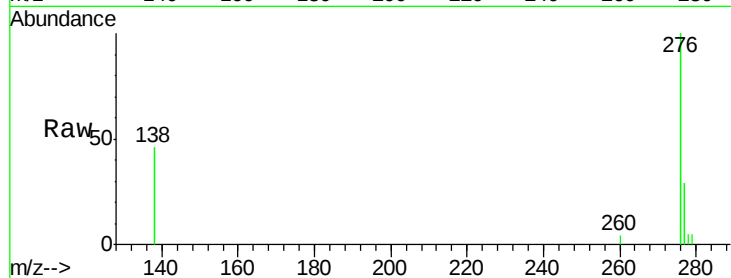
Tgt Ion: 276 Resp: 9353

Ion Ratio Lower Upper

276 100

277 28.6 21.3 31.9

138 45.7 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

