

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091057.D
 Acq On : 27 Oct 2015 20:14
 Operator : UM/NP
 Sample : G4075-06DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9K6DL

Quant Time: Oct 28 04:00:33 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

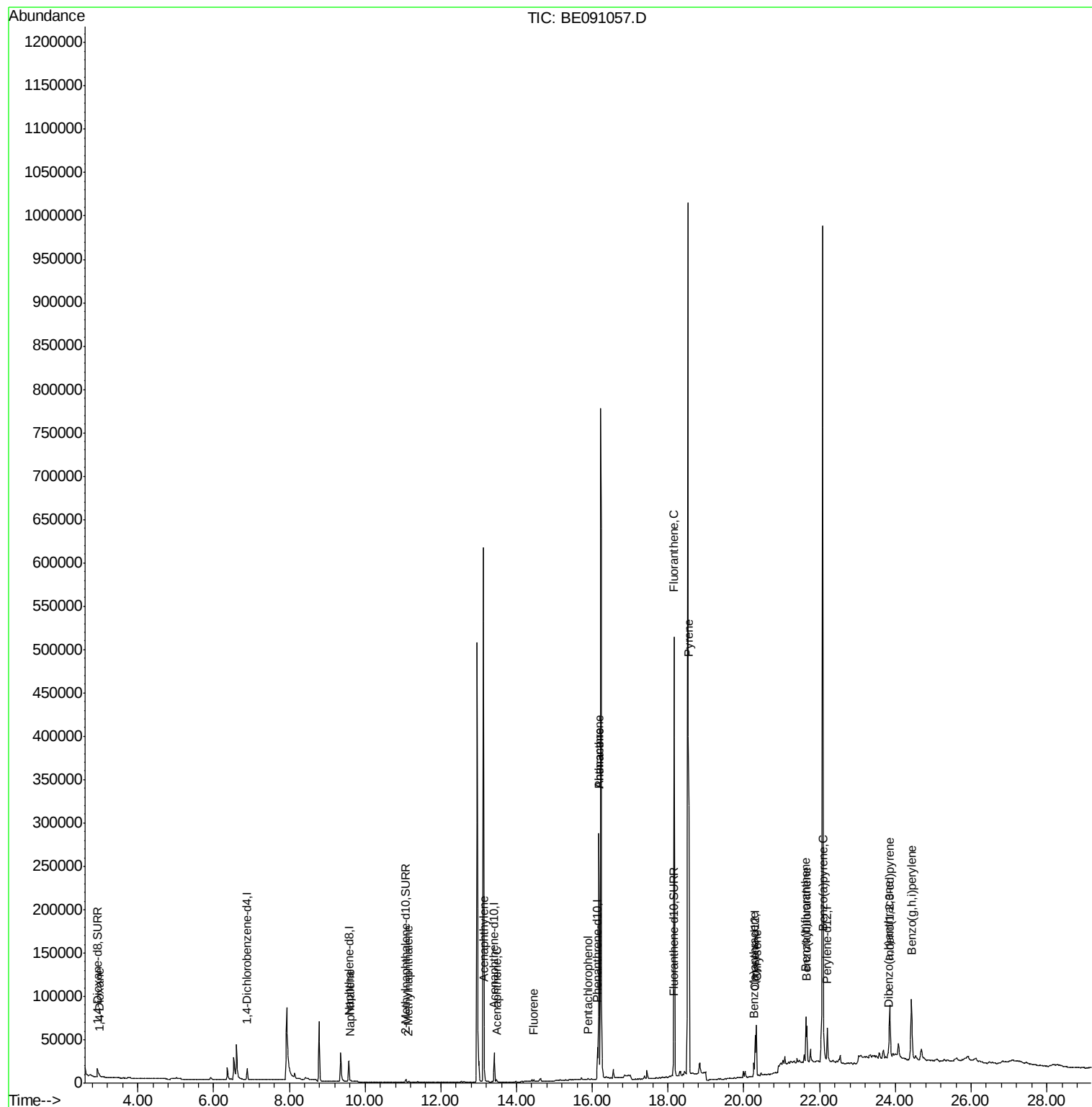
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	5649	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	30384	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.41	164	17947	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	39761	0.40	ng/ul	0.00
18) Chrysene-d12	20.30	240	40552	0.40	ng/ul	0.01
22) Perylene-d12	22.20	264	45471	0.40	ng/ul	0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	11198	2.76	ng/uL	-0.06
6) 2-Methylnaphthalene-d10	11.07	152	4643	0.11	ng/ul	-0.01
16) Fluoranthene-d10	18.13	212	11896	0.11	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.00	88	151	0.03	ng/ul#	67
5) Naphthalene	9.61	128	1690	0.02	ng/ul#	70
7) 2-Methylnaphthalene	11.15	142	1171	0.02	ng/ul	93
9) Acenaphthylene	13.15	152	2667	0.03	ng/ul#	89
10) Acenaphthene	13.47	153	1294	0.02	ng/ul#	90
11) Fluorene	14.45	166	1698	0.02	ng/ul#	94
13) Pentachlorophenol	15.89	266	445	0.12	ng/ul	93
14) Phenanthrene	16.17	178	289234	0.63	ng/ul	99
15) Anthracene	16.17	178	288508	0.69	ng/ul	99
17) Fluoranthene	18.16	202	523915	0.98	ng/ul	88
19) Pyrene	18.54	202	415740	0.90	ng/ul#	78
20) Benzo(a)anthracene	20.27	228	11248	0.11	ng/ul#	69
21) Chrysene	20.33	228	54264	0.45	ng/ul#	95
23) Benzo(b)fluoranthene	21.63	252	55086	0.39	ng/ul#	71
24) Benzo(k)fluoranthene	21.66	252	34523	0.24	ng/ul#	58
25) Benzo(a)pyrene	22.11	252	17583	0.13	ng/ul#	4
26) Indeno(1,2,3-cd)pyrene	23.85	276	89768	0.16	ng/ul	100
27) Dibenzo(a,h)anthracene	23.81	278	4161	0.03	ng/ul#	37
28) Benzo(g,h,i)perylene	24.43	276	99563	0.17	ng/ul#	61

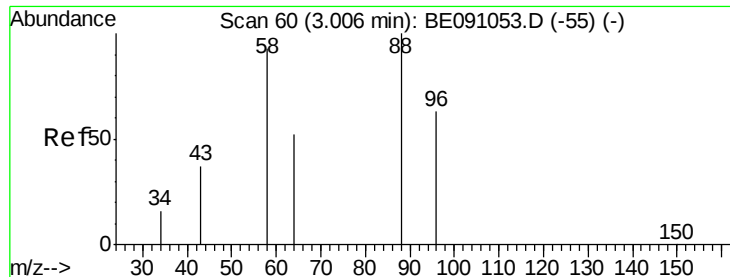
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.00 min Scan# 59

Delta R.T. -0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

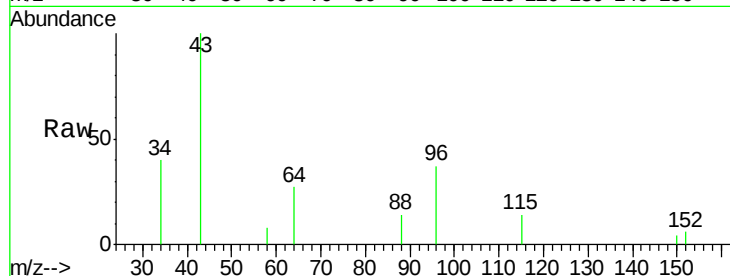
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

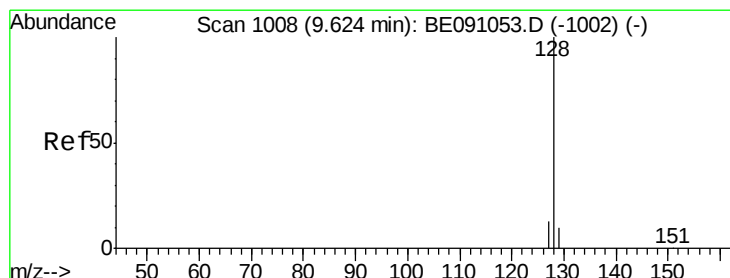
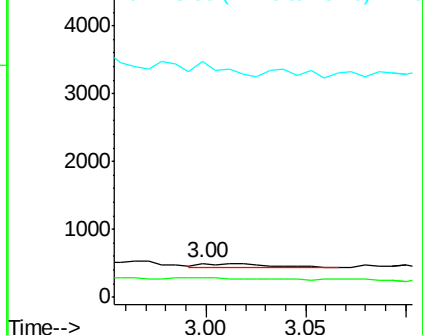
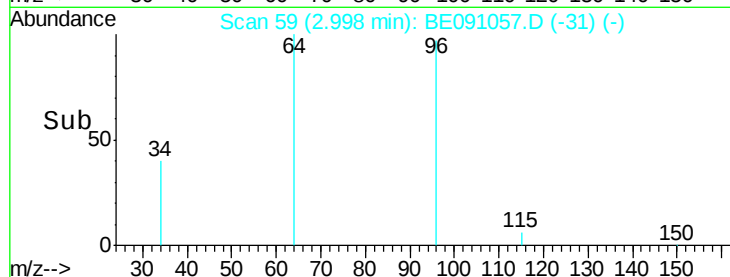
88 100

58 50.3 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: 9.61 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

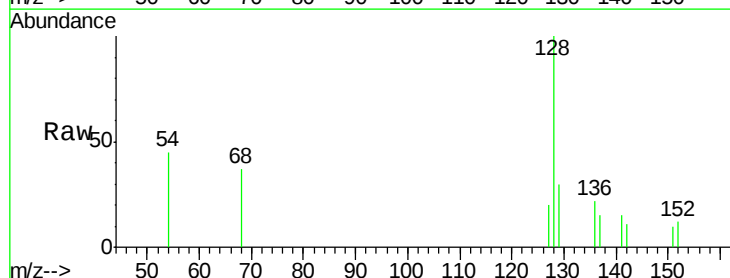
Tgt Ion: 128 Resp: 1690

Ion Ratio Lower Upper

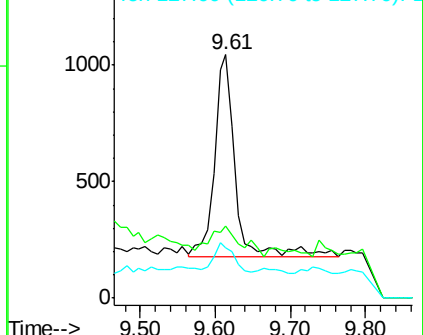
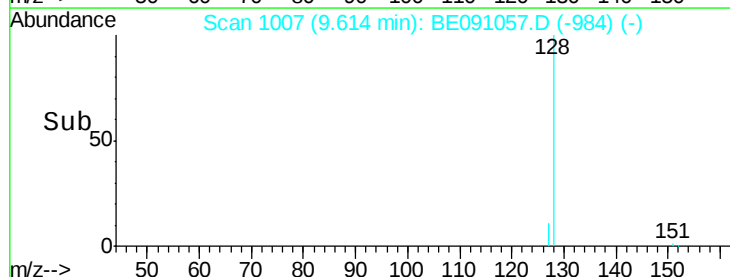
128 100

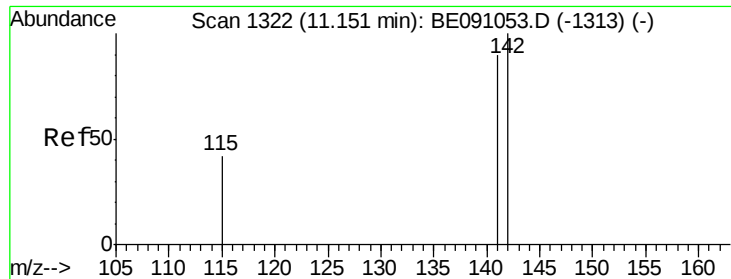
129 29.7 9.8 14.8#

127 20.5 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: 0.02 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

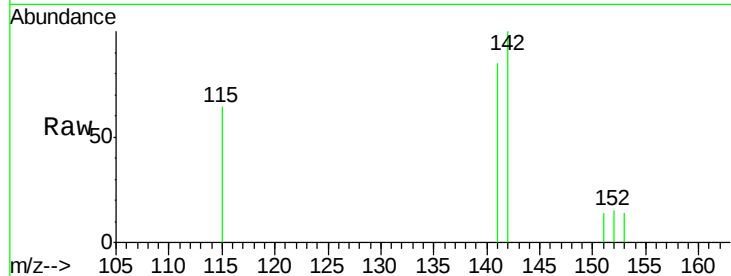
JG9K6DL

Tot Ion:142 Resp: 1171

Ion Ratio Lower Upper

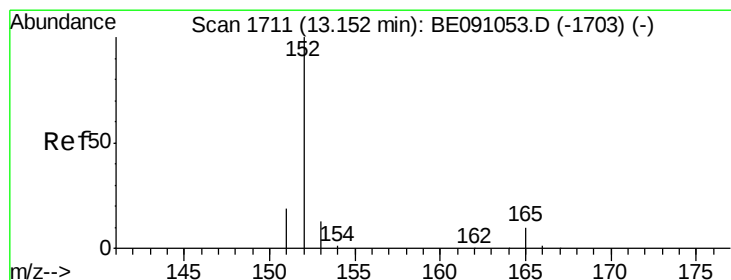
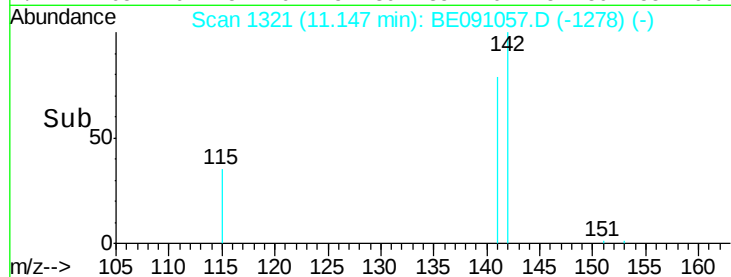
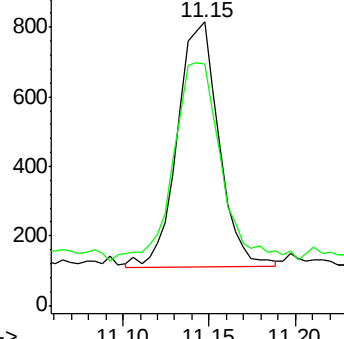
142 100

141 94.2 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: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

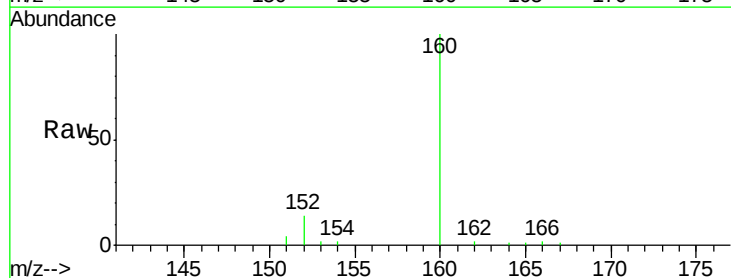
Tgt Ion:152 Resp: 2667

Ion Ratio Lower Upper

152 100

151 26.0 16.8 25.2#

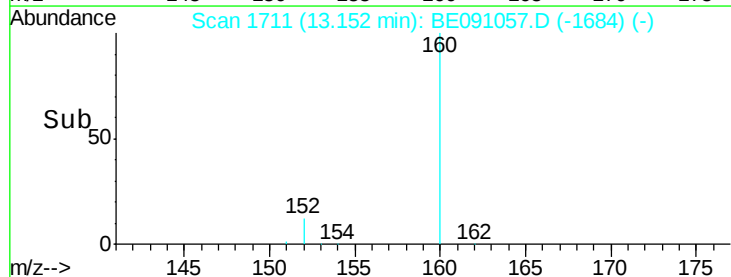
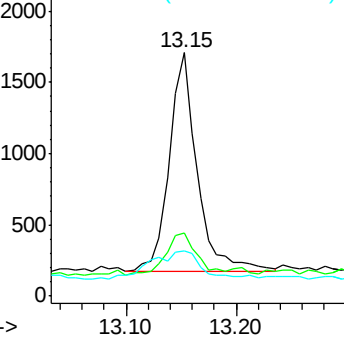
153 18.4 11.3 16.9#

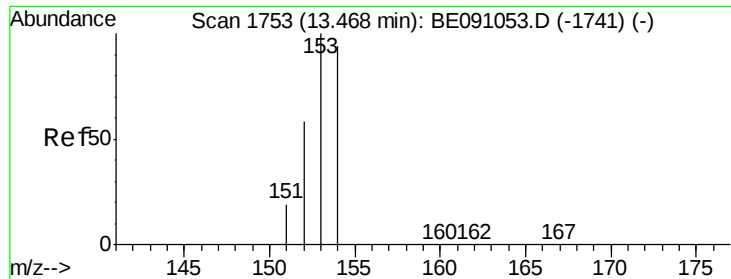


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 13.47 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

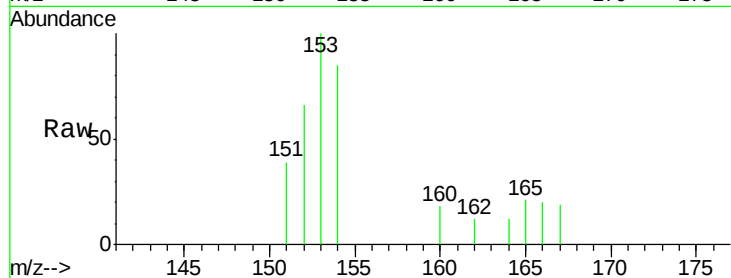
Tot Ion:153 Resp: 1294

Ion Ratio Lower Upper

153 100

152 65.9 42.3 63.5#

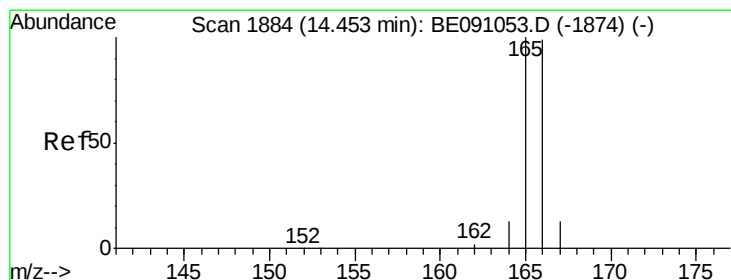
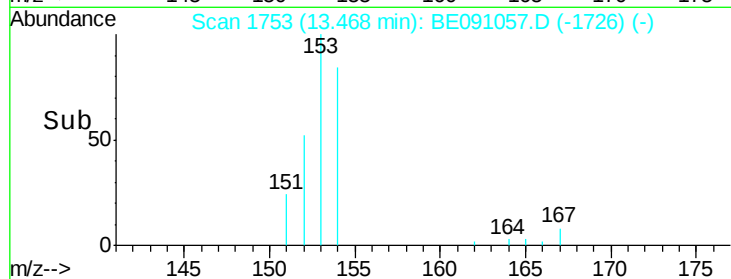
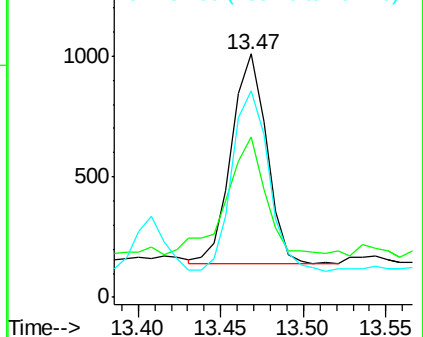
154 84.6 64.7 97.1



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: 14.45 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

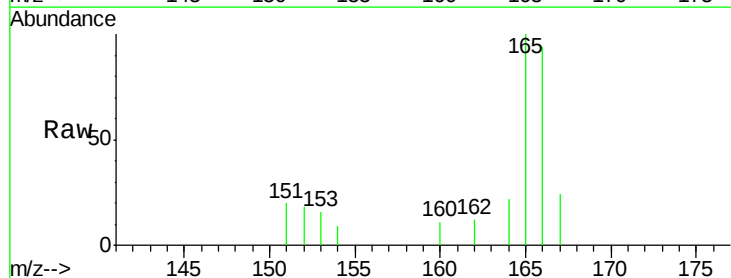
Tgt Ion:166 Resp: 1698

Ion Ratio Lower Upper

166 100

165 106.3 87.6 131.4

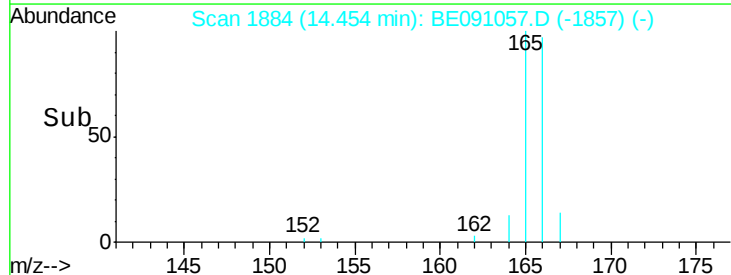
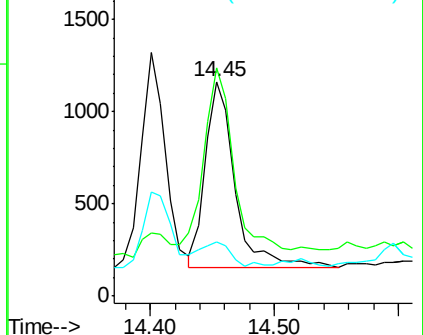
167 25.0 11.1 16.7#

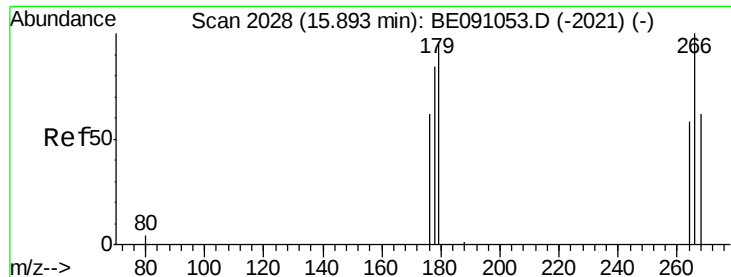


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

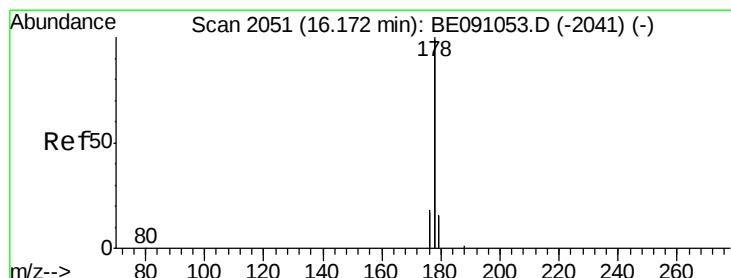
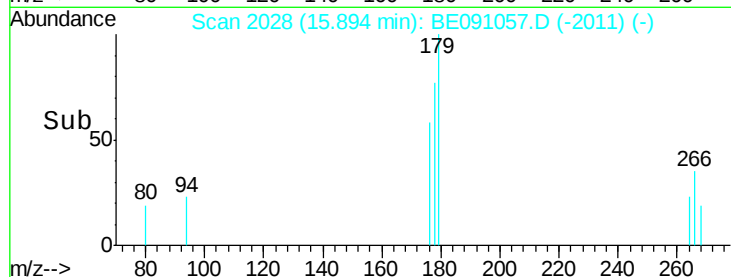
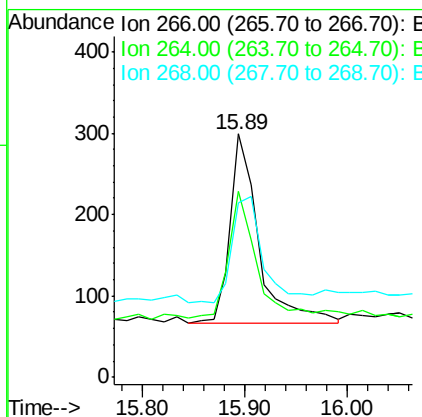
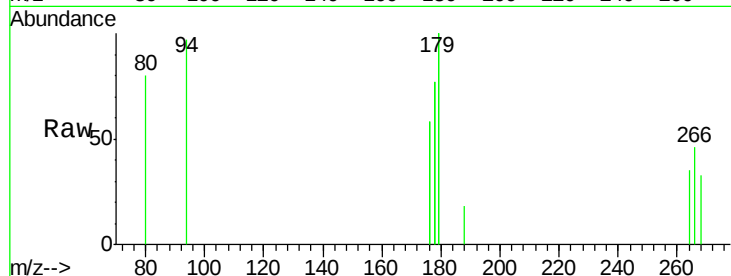




#13
 Pentachlorophenol
 Concen: 0.12 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BE091057.D
 Acq: 27 Oct 2015 20:14

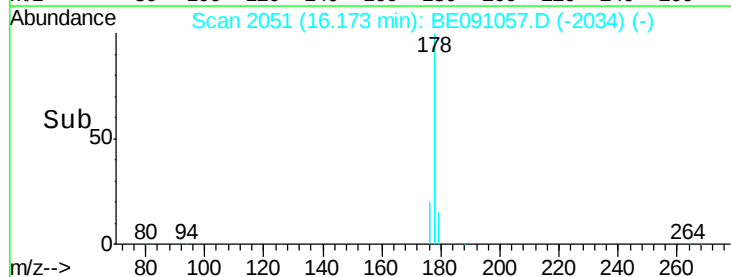
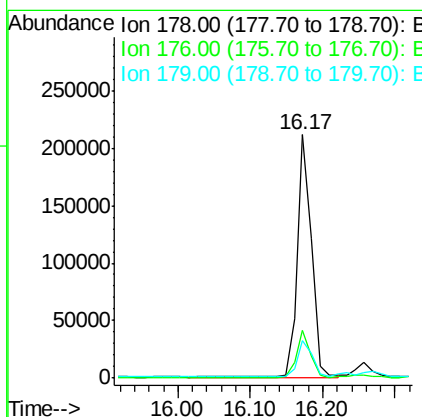
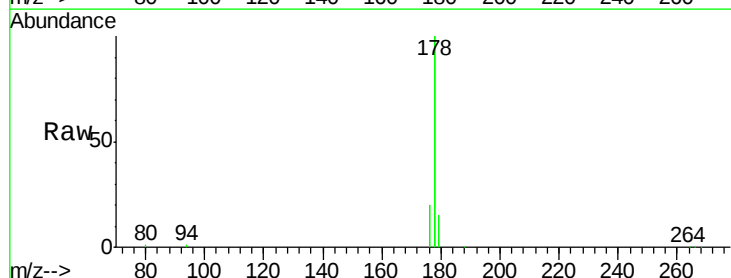
Instrument :
 BNA_E
 ClientSampleId :
 JG9K6DL

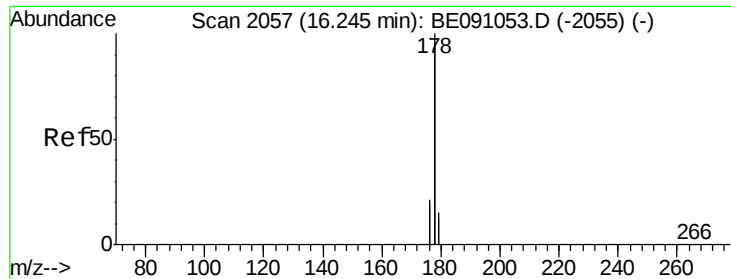
Tot Ion:266 Resp: 445
 Ion Ratio Lower Upper
 266 100
 264 70.6 53.5 80.3
 268 60.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.63 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. 0.00 min
 Lab File: BE091057.D
 Acq: 27 Oct 2015 20:14

Tgt Ion:178 Resp: 289234
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.4 12.8 19.2





#15

Anthracene

Concen: 0.69 ng/ul

RT: 16.17 min Scan# 2051

Delta R.T. -0.07 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

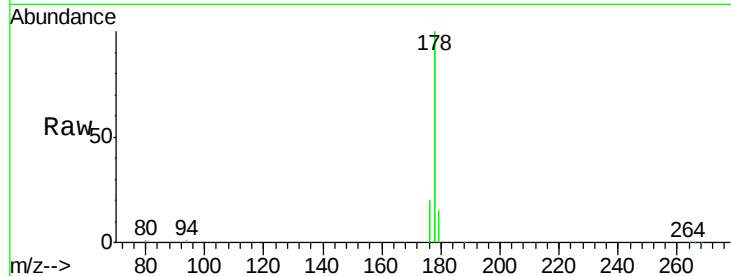
Tot Ion:178 Resp: 288508

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

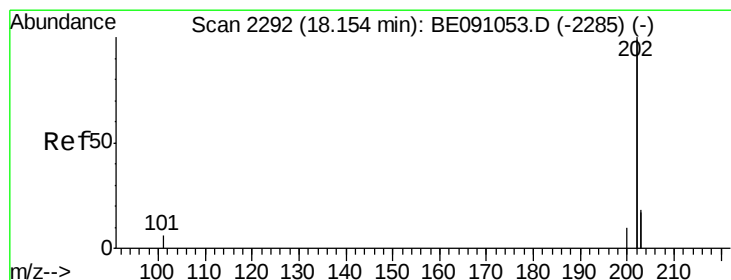
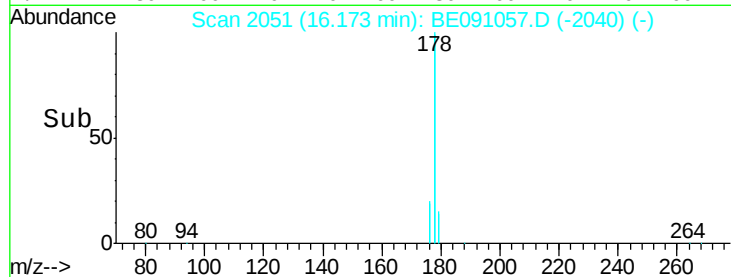
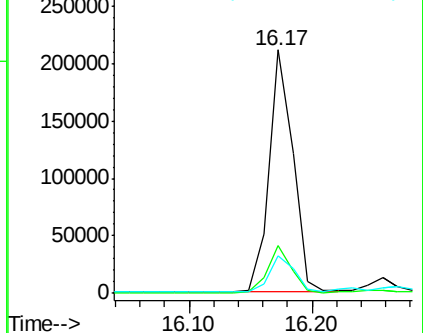
179 15.4 13.3 19.9



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: 0.98 ng/ul

RT: 18.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

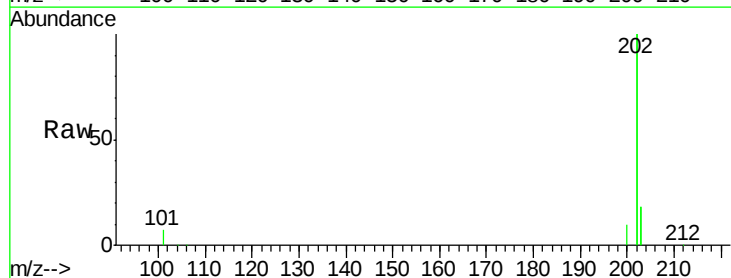
Tgt Ion:202 Resp: 523915

Ion Ratio Lower Upper

202 100

101 3.5 0.0 33.1

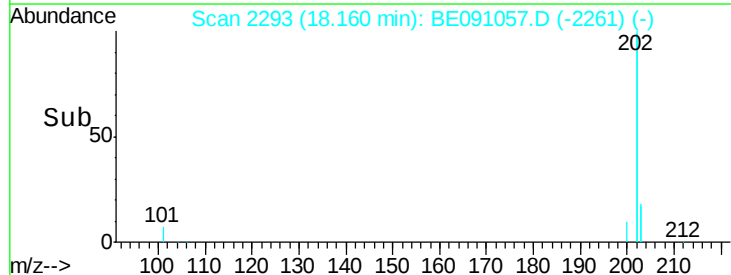
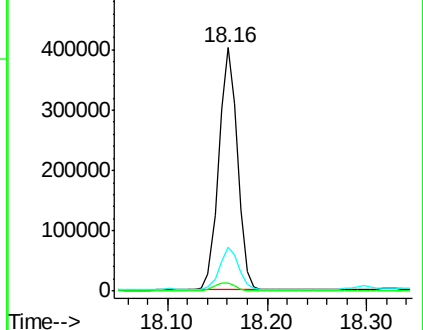
203 18.3 0.0 37.2

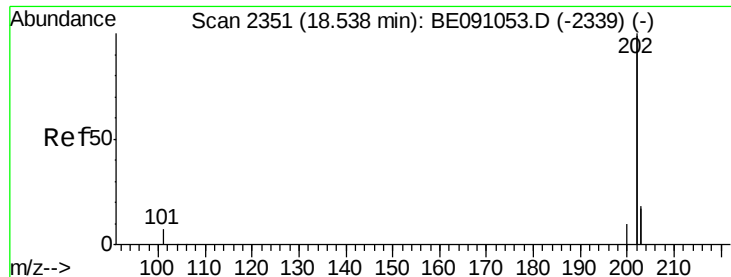


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.90 ng/ul

RT: 18.54 min Scan# 2352

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

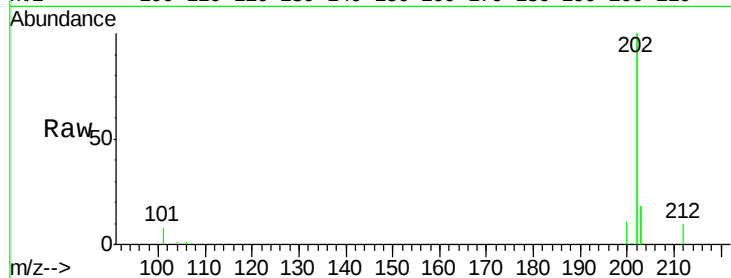
Tot Ion:202 Resp: 415740

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

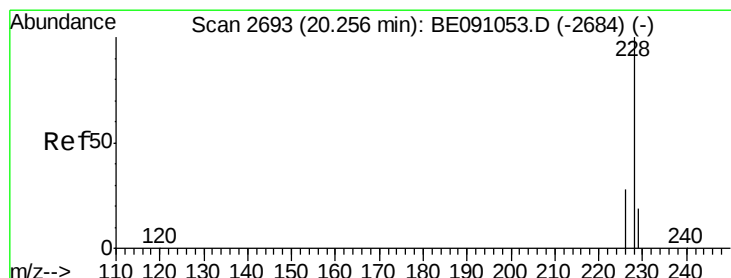
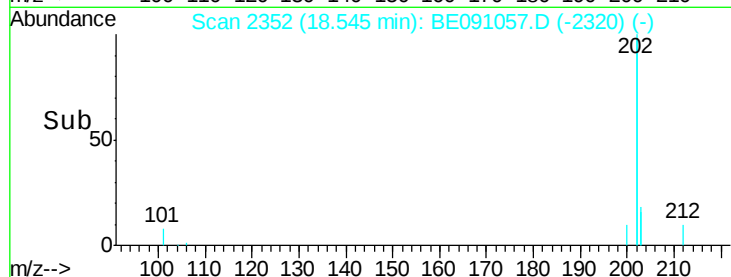
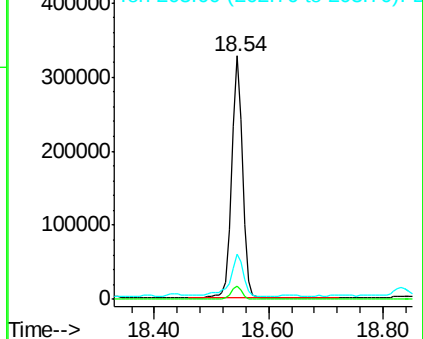
203 18.5 13.8 20.6



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: 0.11 ng/ul

RT: 20.27 min Scan# 2696

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

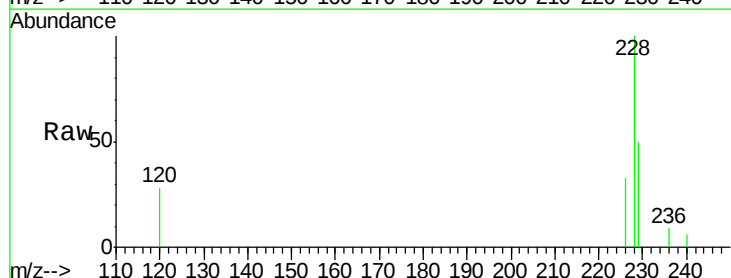
Tgt Ion:228 Resp: 11248

Ion Ratio Lower Upper

228 100

226 32.5 23.0 34.4

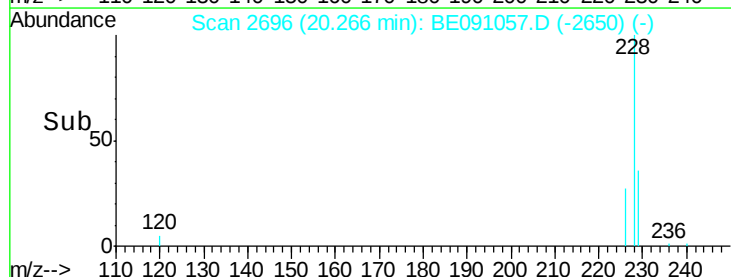
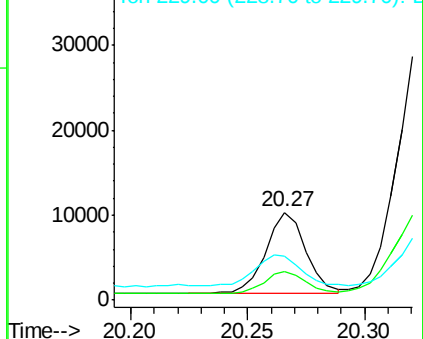
229 49.6 15.2 22.8#

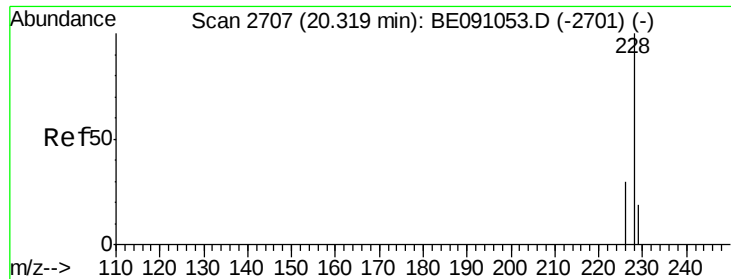


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.45 ng/ul

RT: 20.33 min Scan# 2710

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

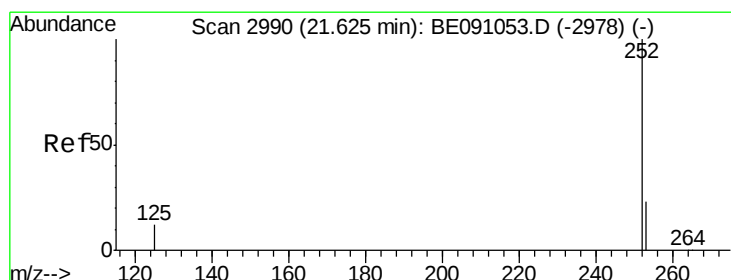
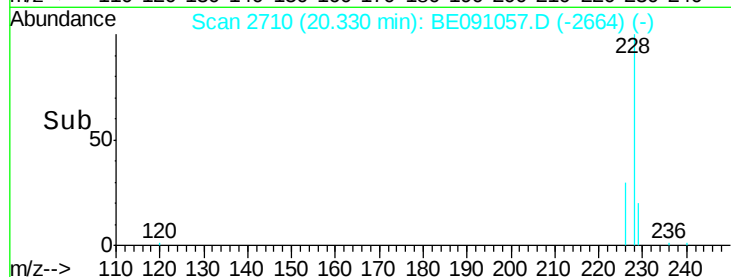
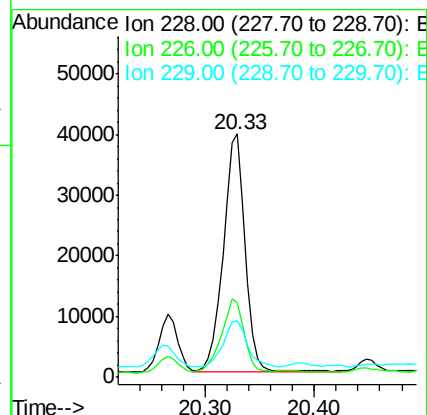
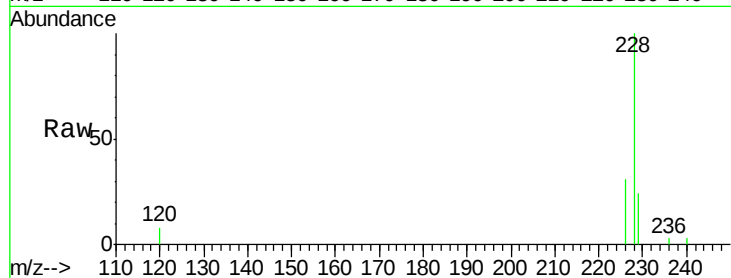
Tot Ion:228 Resp: 54264

Ion Ratio Lower Upper

228 100

226 30.8 25.7 38.5

229 23.6 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 21.63 min Scan# 2993

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

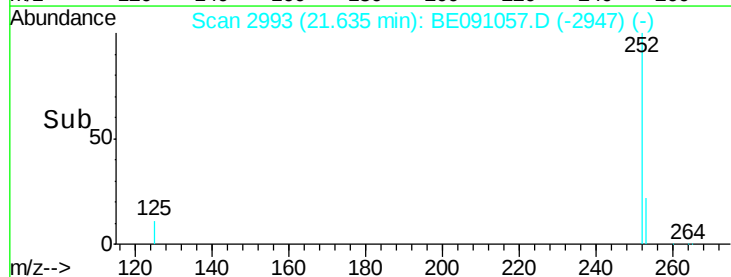
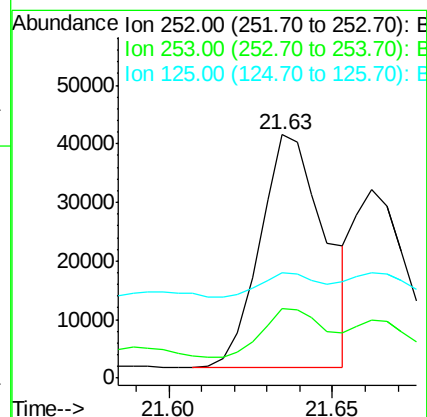
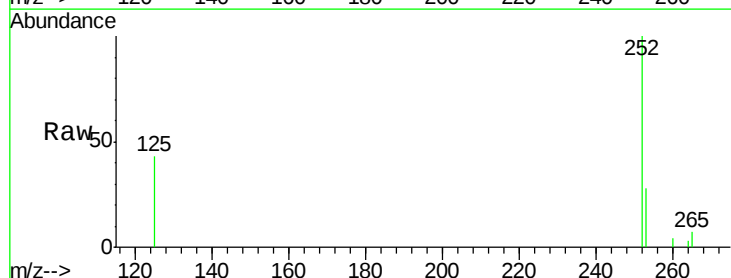
Tgt Ion:252 Resp: 55086

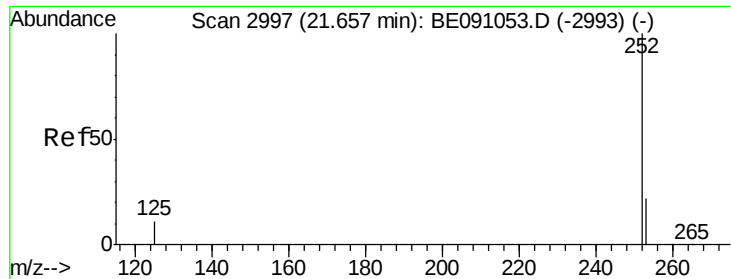
Ion Ratio Lower Upper

252 100

253 28.5 0.0 48.0

125 43.3 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.24 ng/ul

RT: 21.66 min Scan# 2999

Delta R.T. 0.01 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

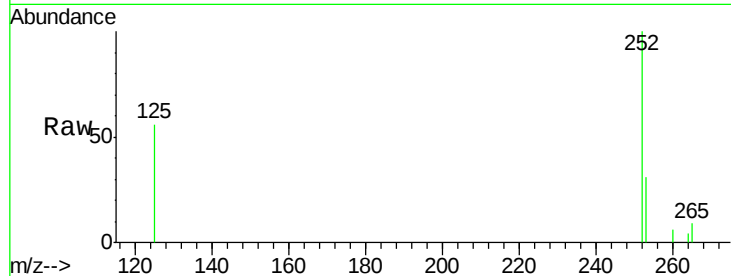
Tot Ion:252 Resp: 34523

Ion Ratio Lower Upper

252 100

253 31.0 20.8 31.2

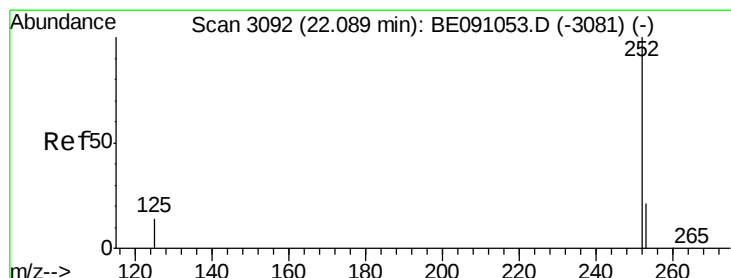
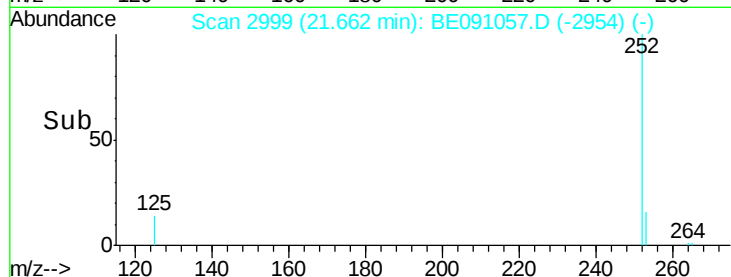
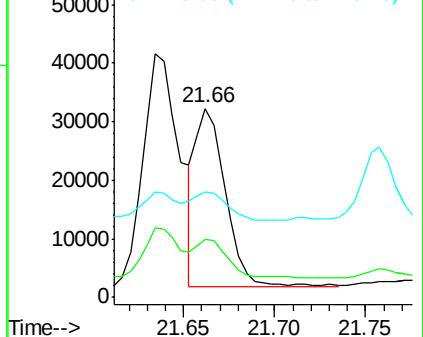
125 56.1 12.2 18.4#



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: 0.13 ng/ul

RT: 22.11 min Scan# 3097

Delta R.T. 0.02 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

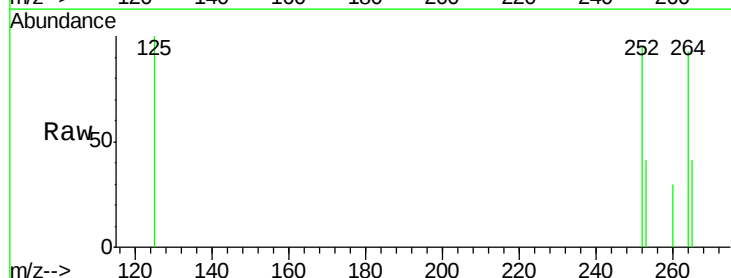
Tgt Ion:252 Resp: 17583

Ion Ratio Lower Upper

252 100

253 42.6 21.8 32.8#

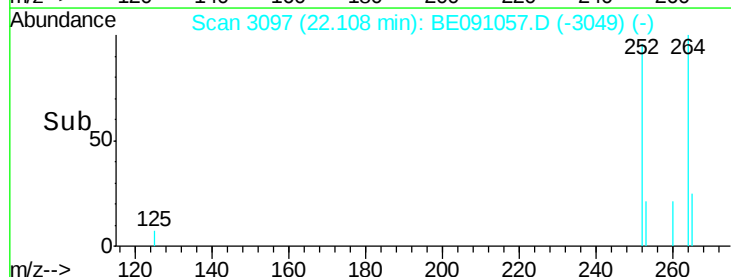
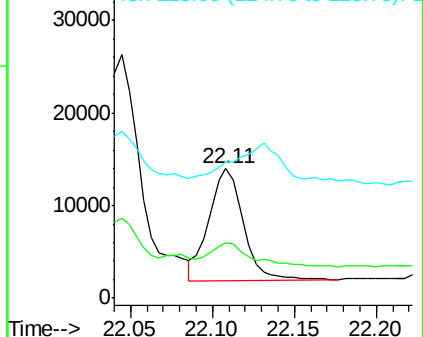
125 104.9 14.5 21.7#

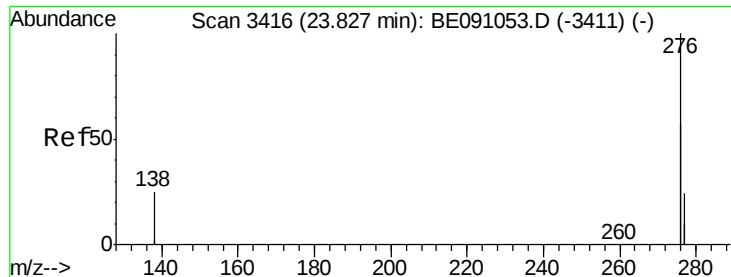


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

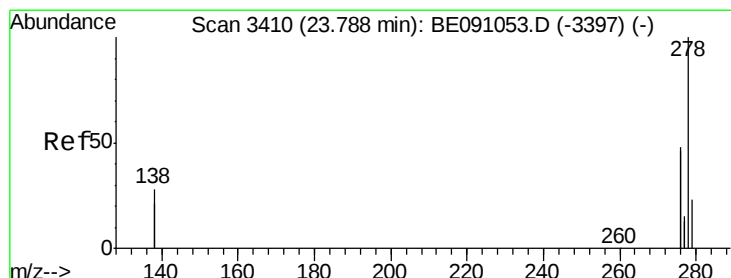
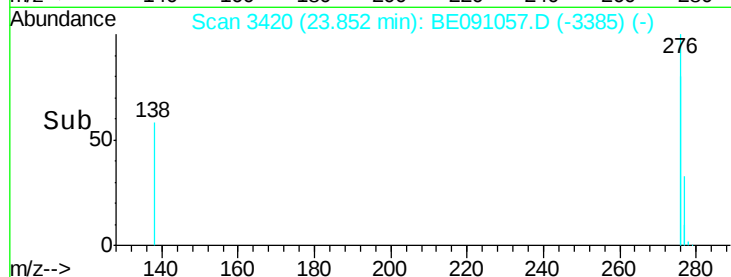
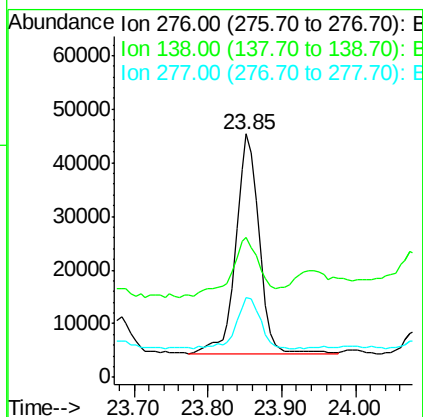
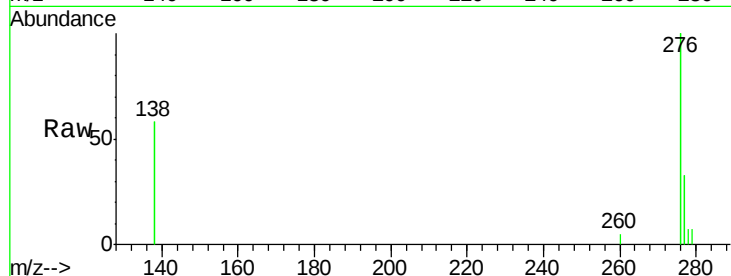




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.16 ng/ul
 RT: 23.85 min Scan# 3420
 Delta R.T. 0.03 min
 Lab File: BE091057.D
 Acq: 27 Oct 2015 20:14

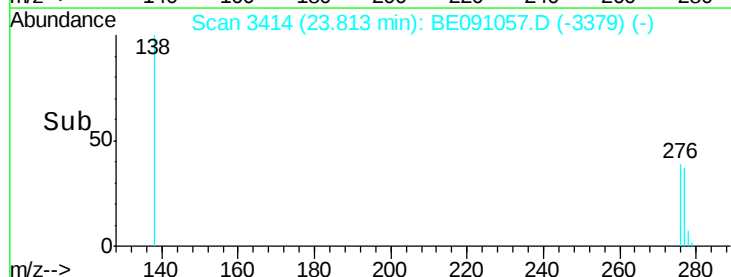
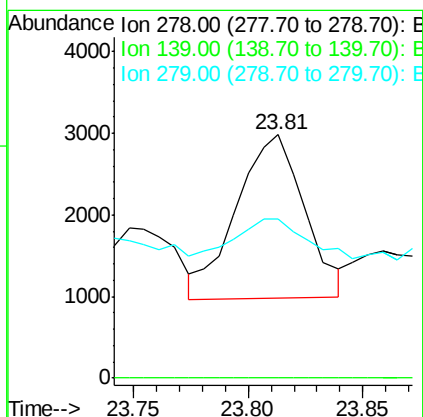
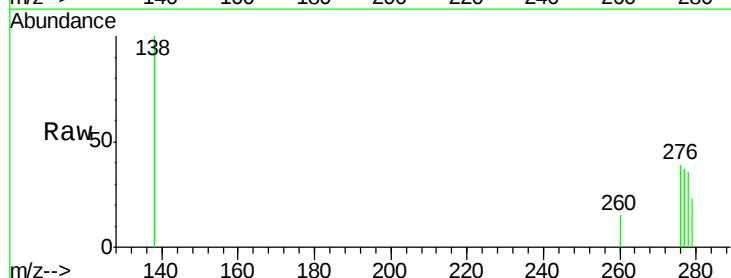
Instrument :
 BNA_E
 ClientSampleId :
 JG9K6DL

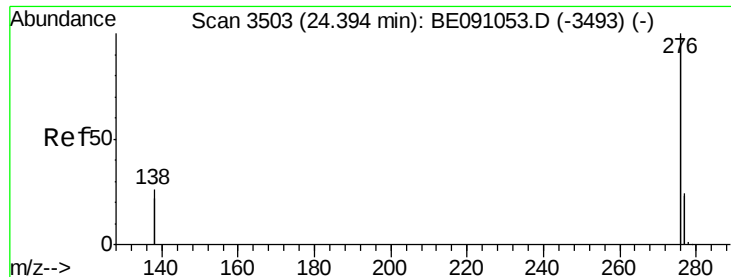
Tot Ion:276 Resp: 89768
 Ion Ratio Lower Upper
 276 100
 138 34.8 27.5 41.3
 277 24.2 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.03 ng/ul
 RT: 23.81 min Scan# 3414
 Delta R.T. 0.03 min
 Lab File: BE091057.D
 Acq: 27 Oct 2015 20:14

Tgt Ion:278 Resp: 4161
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 65.4 21.9 32.9#





#28

Benzo(a,h,i)perylene

Concen: 0.17 ng/ul

RT: 24.43 min Scan# 3508

Delta R.T. 0.03 min

Lab File: BE091057.D

Acq: 27 Oct 2015 20:14

Instrument :

BNA_E

ClientSampleId :

JG9K6DL

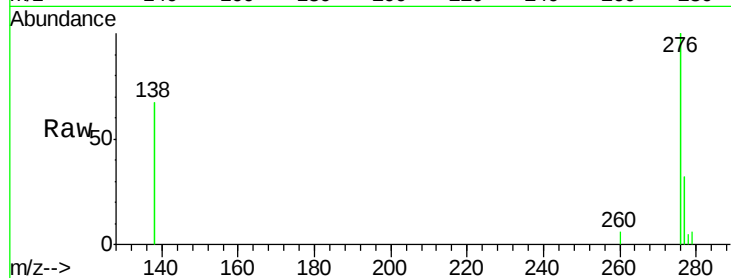
Tot Ion: 276 Resp: 99563

Ion Ratio Lower Upper

276 100

277 32.1 21.3 31.9#

138 66.8 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

