

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091254.D
 Acq On : 20 Nov 2015 20:20
 Operator : UM/NP
 Sample : G4310-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM6

Quant Time: Nov 21 02:54:32 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 : Sat Nov 21 02:52:22 2015
 Response via : Initial Calibration

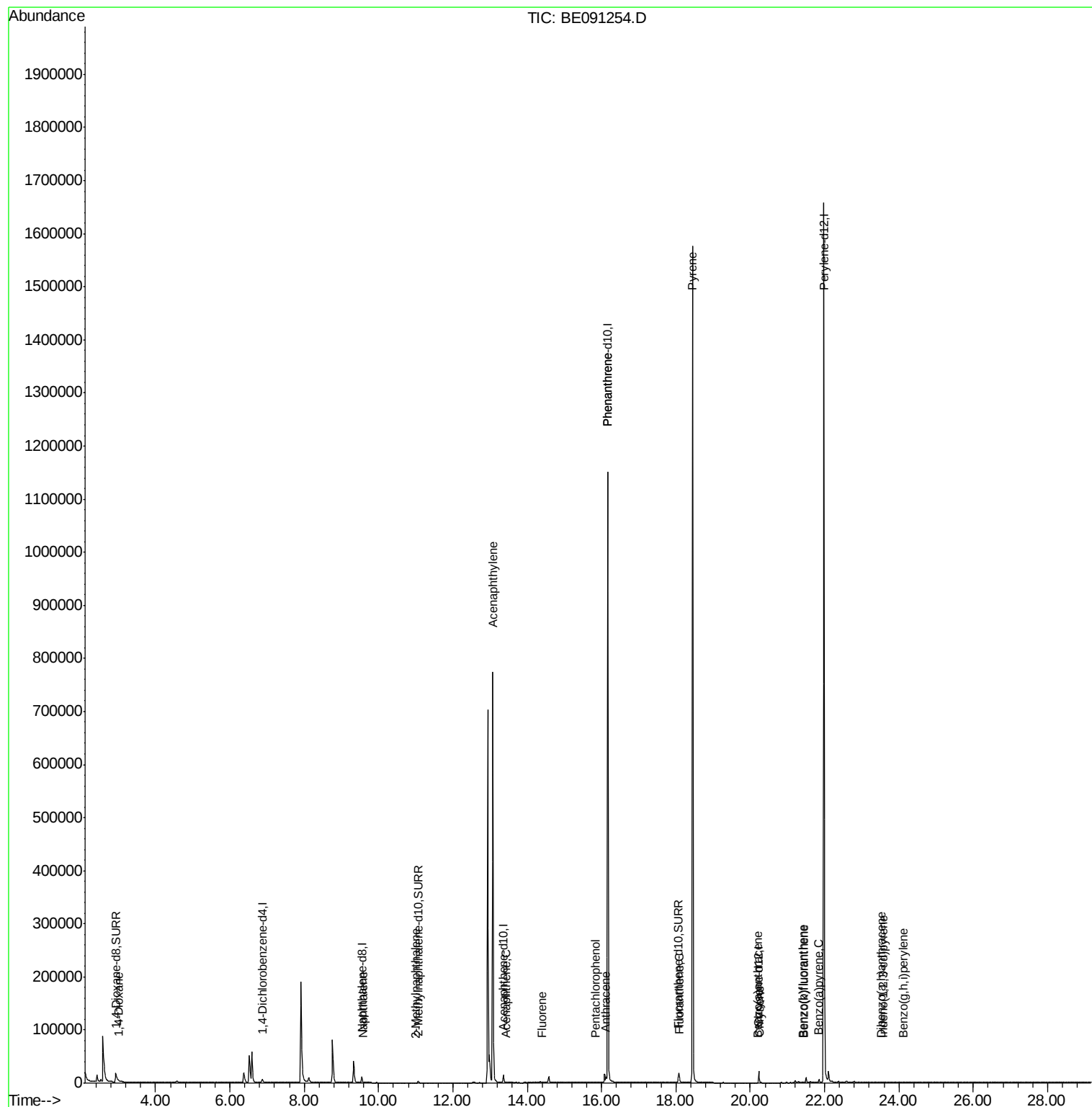
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2858	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13825	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	7709	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1351029	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	21762	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1721133	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	21522	10.47	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.07	152	6021	0.32	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	18809	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.01	88	70	0.03	ng/ul#	68
5) Naphthalene	9.59	128	1228	0.04	ng/ul#	64
7) 2-Methylnaphthalene	11.01	142	6	0.00	ng/ul	87
9) Acenaphthylene	13.07	152	216	0.01	ng/ul#	1
10) Acenaphthene	13.42	153	93	0.00	ng/ul#	74
11) Fluorene	14.40	166	263	0.01	ng/ul#	83
13) Pentachlorophenol	15.85	266	258	0.00	ng/ul	89
14) Phenanthrene	16.16	178	4053	0.00	ng/ul#	1
15) Anthracene	16.11	178	8256	0.00	ng/ul	93
17) Fluoranthene	18.10	202	9041	0.00	ng/ul	82
19) Pyrene	18.45	202	17681	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	788	0.01	ng/ul#	77
21) Chrysene	20.26	228	1065	0.02	ng/ul#	83
23) Benzo(b)fluoranthene	21.42	252	12	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.44	252	36	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.85	252	599	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.59	276	15	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	23.53	278	14	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.11	276	50	0.00	ng/ul#	1

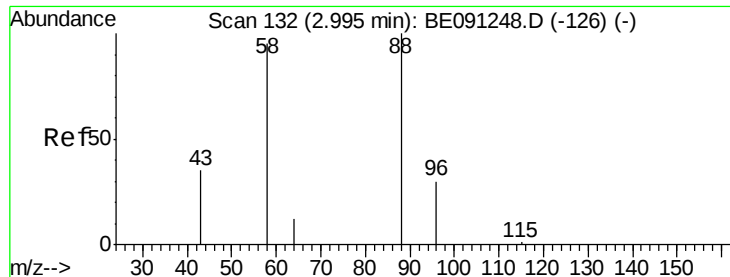
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.01 min Scan# 135

Delta R.T. 0.02 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

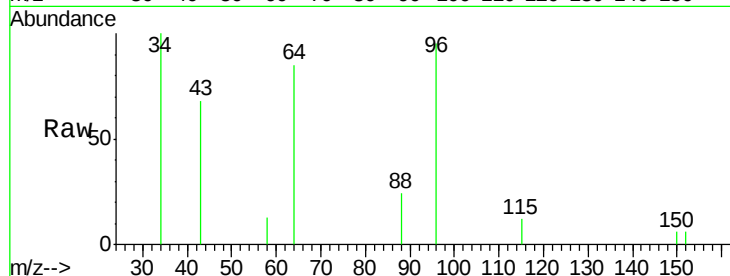
Tot Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

58 51.4 55.4 83.2#

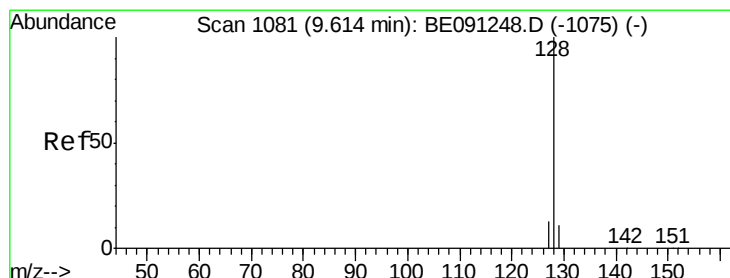
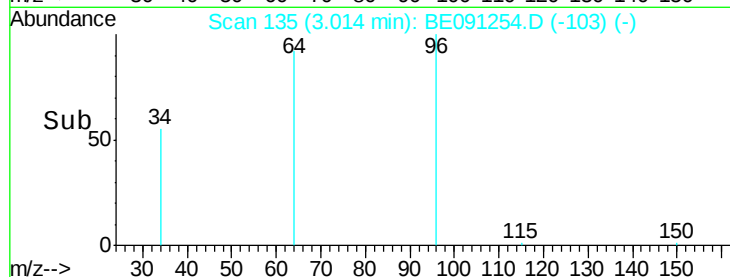
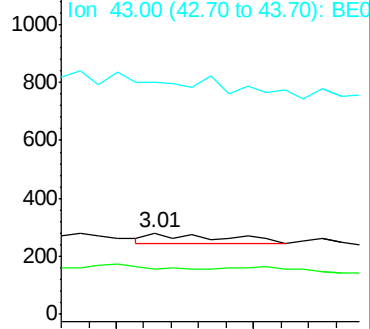
43 0.0 24.2 36.2#



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: 0.04 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

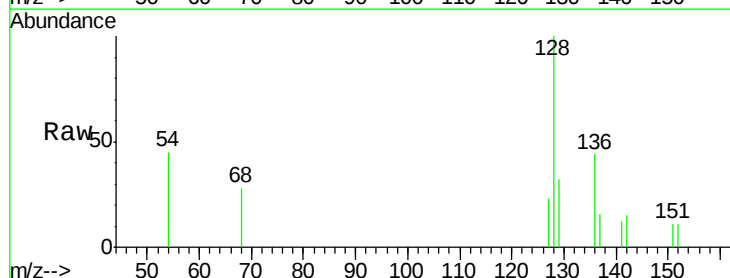
Tgt Ion: 128 Resp: 1228

Ion Ratio Lower Upper

128 100

129 31.5 9.8 14.8#

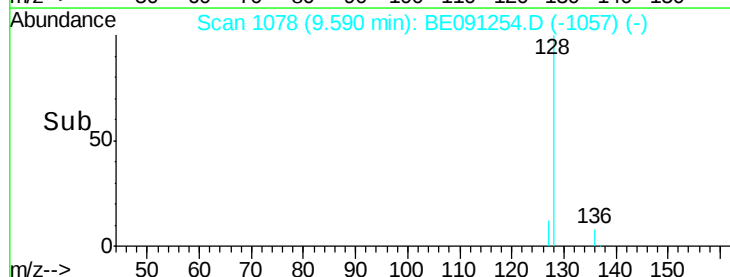
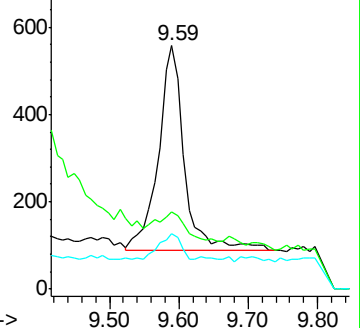
127 22.9 10.7 16.1#

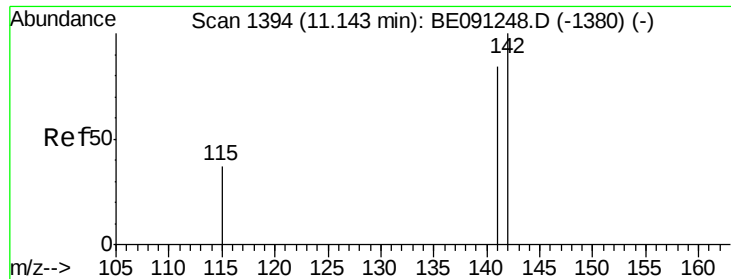


Abundance Ion 128.00 (127.70 to 128.70): E

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: 11.01 min Scan# 1364

Delta R.T. -0.14 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

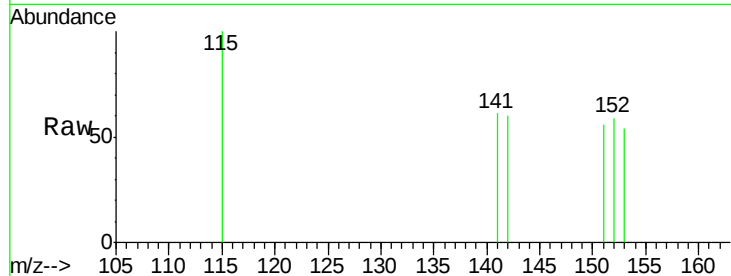
D9KM6

Tot Ion:142 Resp: 6

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

80

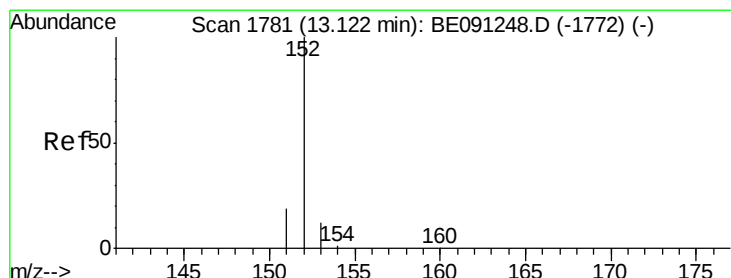
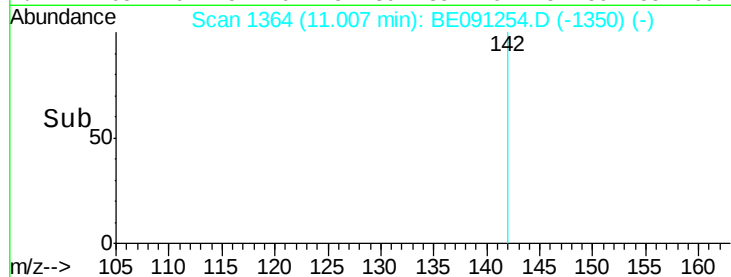
60

40

20

0

Time--> 10.98 11.00 11.02



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

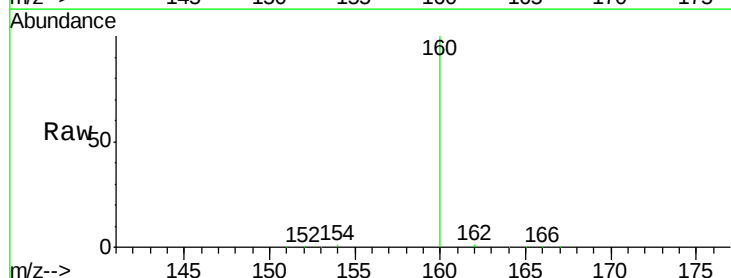
Tgt Ion:152 Resp: 216

Ion Ratio Lower Upper

152 100

151 68.5 16.8 25.2#

153 155.7 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

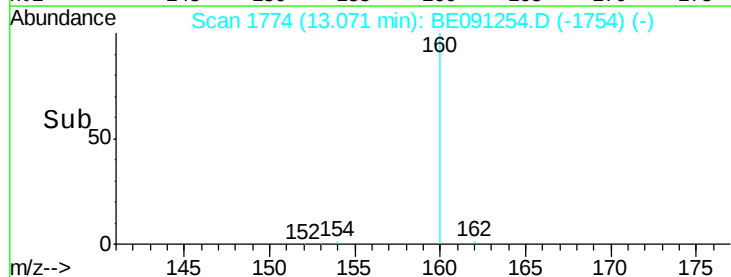
150

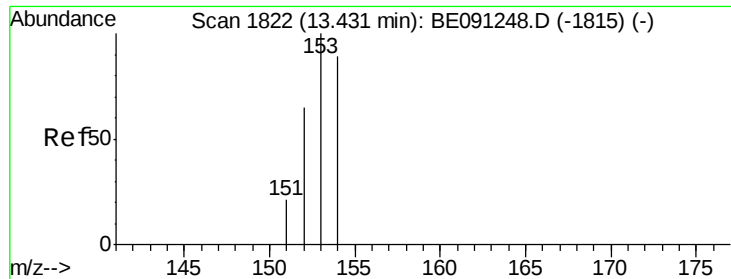
100

50

0

Time--> 13.00 13.10 13.20





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

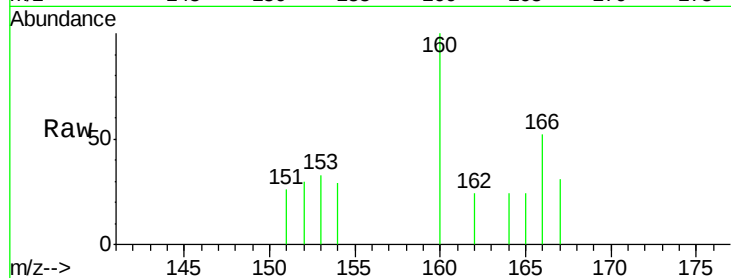
Tot Ion:153 Resp: 93

Ion Ratio Lower Upper

153 100

152 91.7 42.3 63.5#

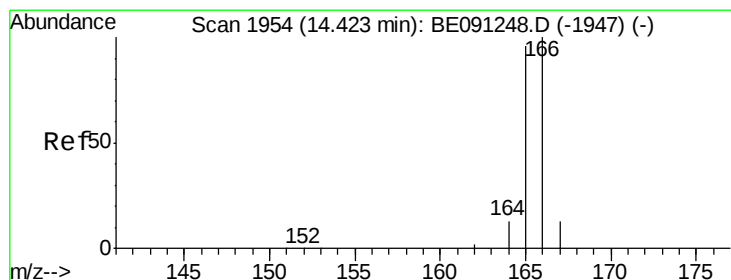
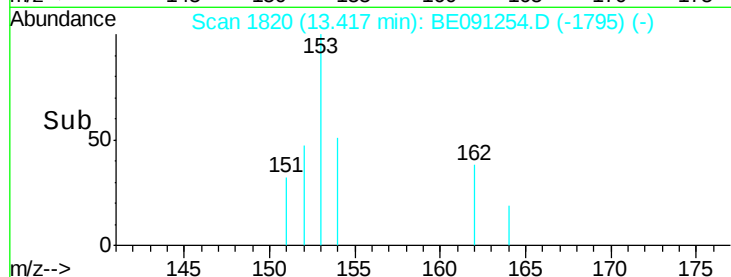
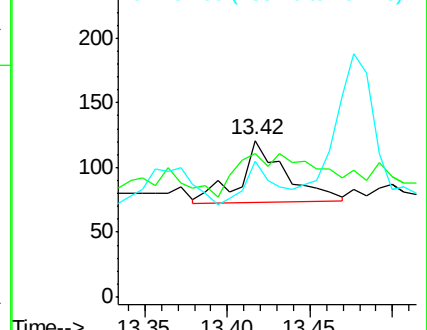
154 86.8 64.7 97.1



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: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

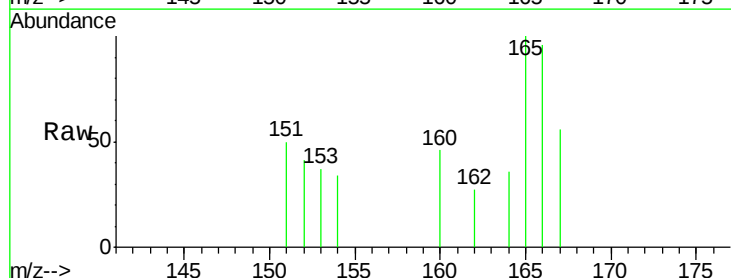
Tgt Ion:166 Resp: 263

Ion Ratio Lower Upper

166 100

165 104.6 87.6 131.4

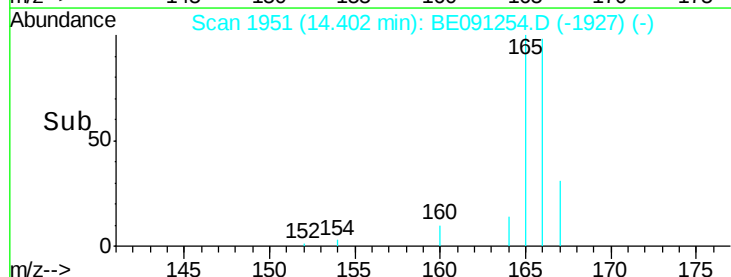
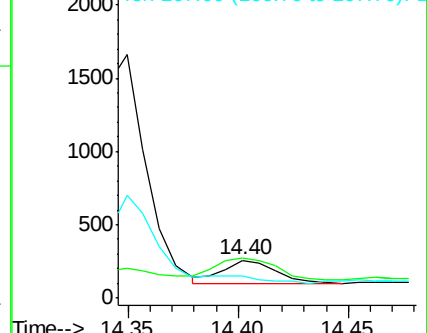
167 58.8 11.1 16.7#

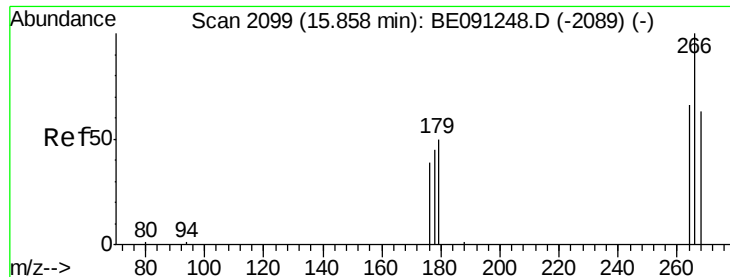


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

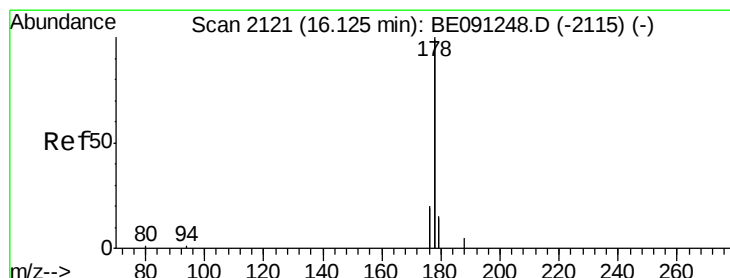
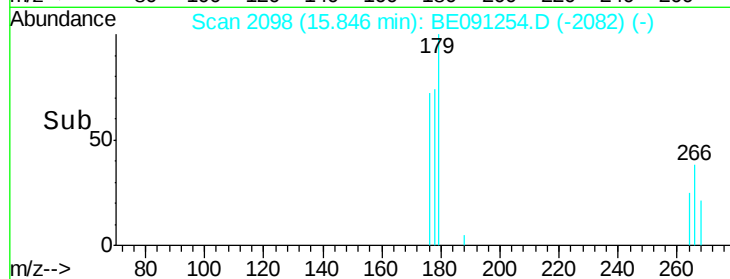
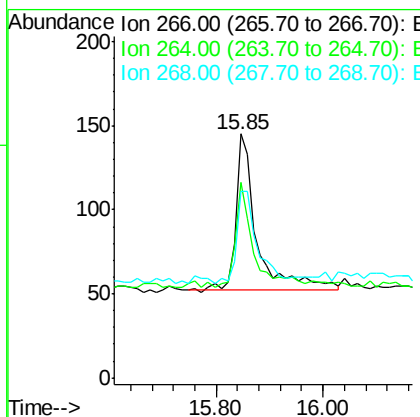
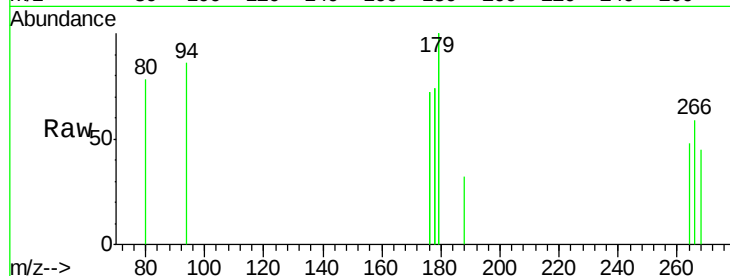




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091254.D
 Acq: 20 Nov 2015 20:20

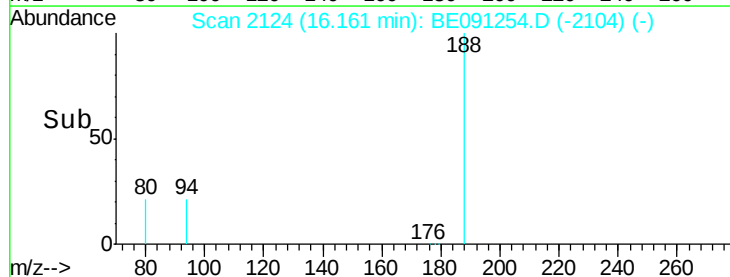
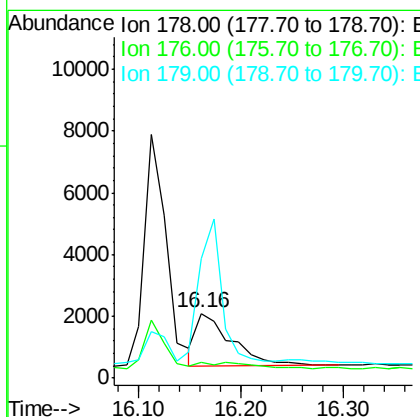
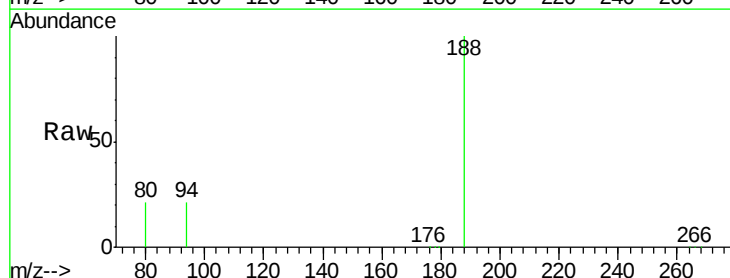
Instrument :
 BNA_E
 ClientSampleId :
 D9KM6

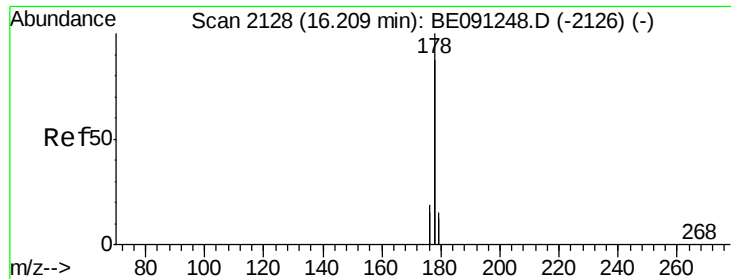
Tot Ion:266 Resp: 258
 Ion Ratio Lower Upper
 266 100
 264 56.2 53.5 80.3
 268 60.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091254.D
 Acq: 20 Nov 2015 20:20

Tgt Ion:178 Resp: 4053
 Ion Ratio Lower Upper
 178 100
 176 23.9 16.2 24.4
 179 185.0 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/u1

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

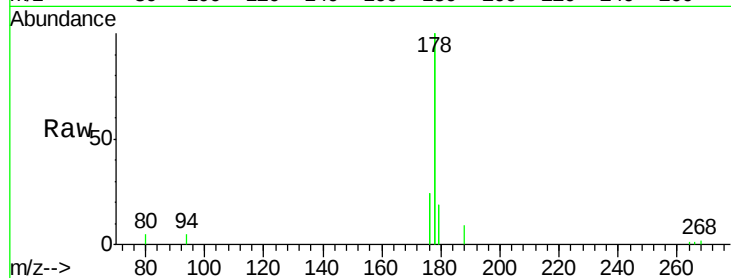
Tot Ion:178 Resp: 8256

Ion Ratio Lower Upper

178 100

176 23.6 15.8 23.8

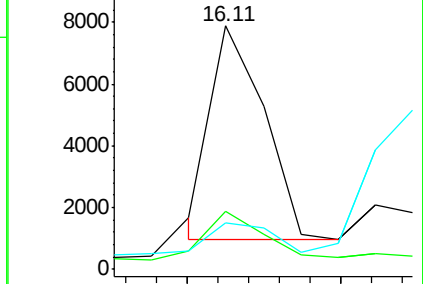
179 19.3 13.3 19.9



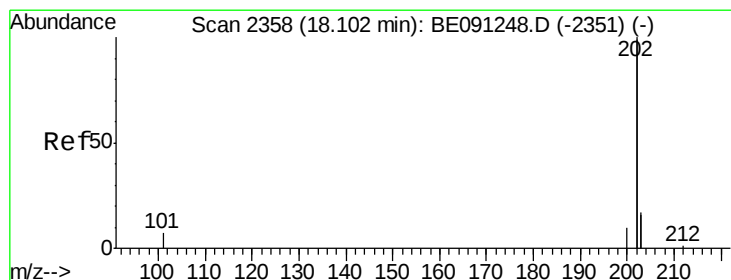
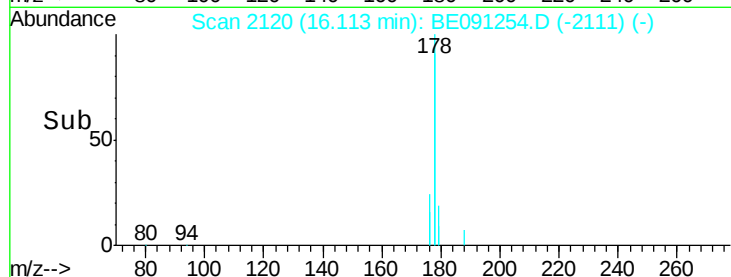
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Fluoranthene

Concen: 0.00 ng/u1

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

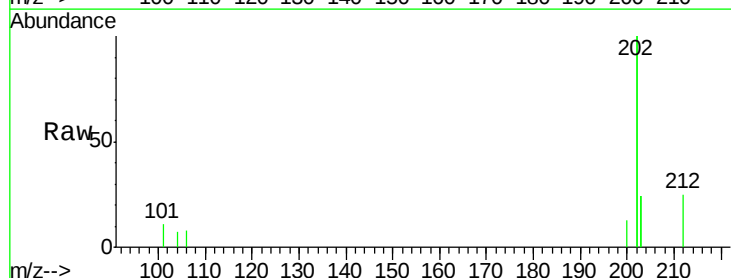
Tgt Ion:202 Resp: 9041

Ion Ratio Lower Upper

202 100

101 5.6 0.0 33.1

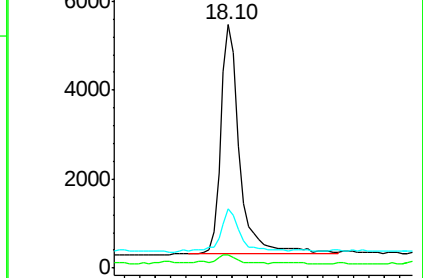
203 24.4 0.0 37.2



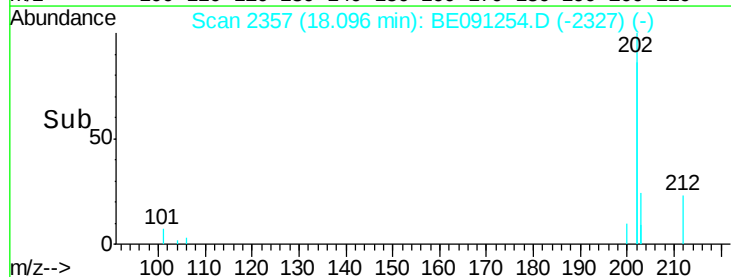
Abundance Ion 202.00 (201.70 to 202.70): E

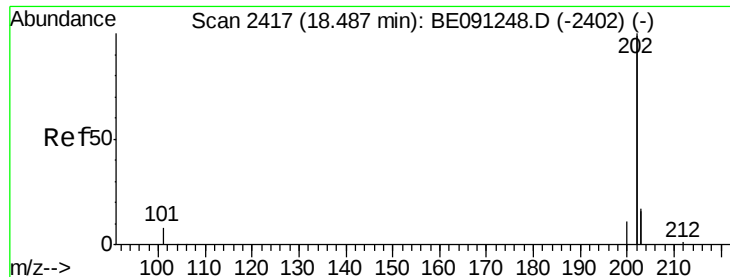
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#19

Pvrene

Concen: 0.07 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

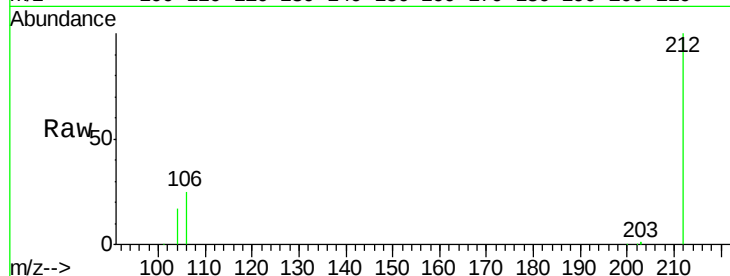
Tot Ion:202 Resp: 17681

Ion Ratio Lower Upper

202 100

200 1.9 18.0 27.0#

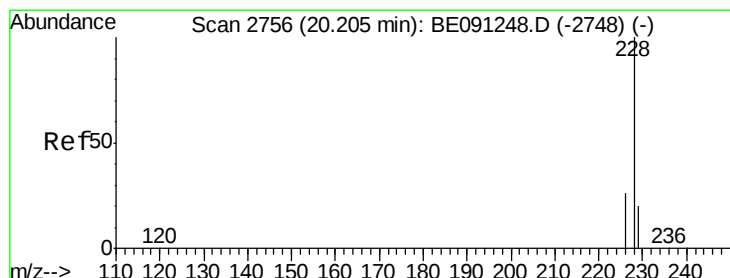
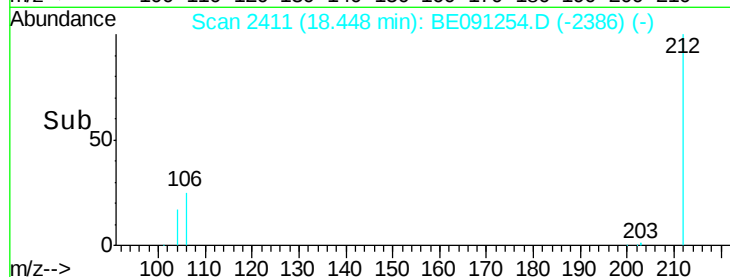
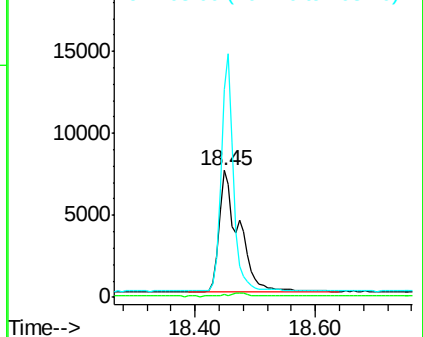
203 164.3 13.8 20.6#



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# 2755

Delta R.T. -0.00 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

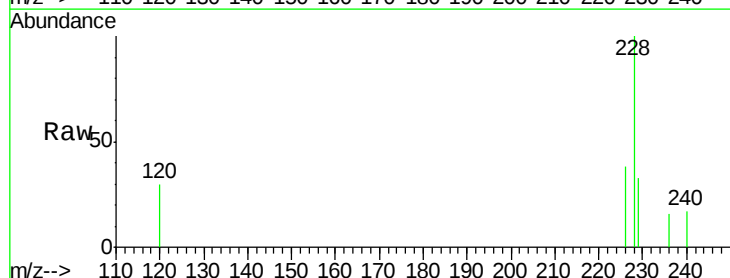
Tgt Ion:228 Resp: 788

Ion Ratio Lower Upper

228 100

226 37.7 23.0 34.4#

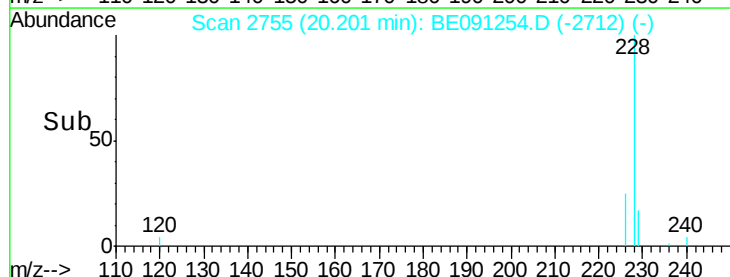
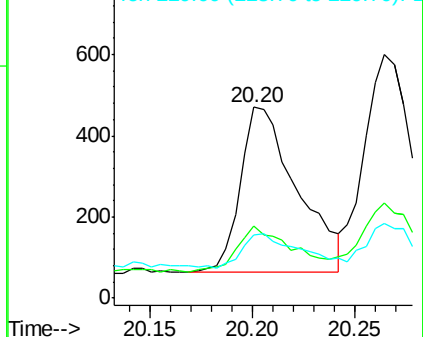
229 33.4 15.2 22.8#

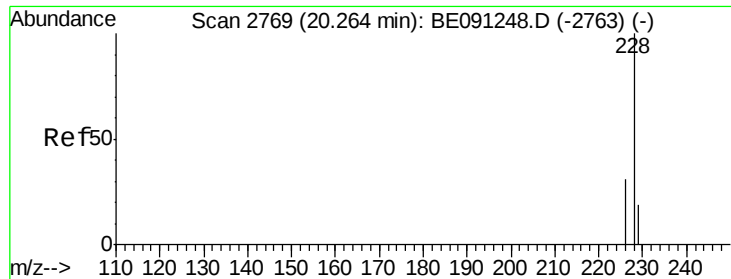


Abundance Ion 228.00 (227.70 to 228.70): E

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: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

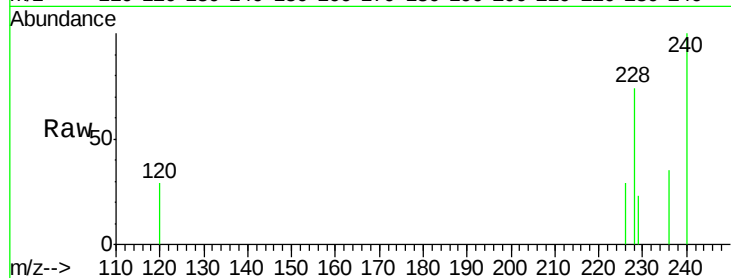
Tot Ion:228 Resp: 1065

Ion Ratio Lower Upper

228 100

226 39.2 25.7 38.5#

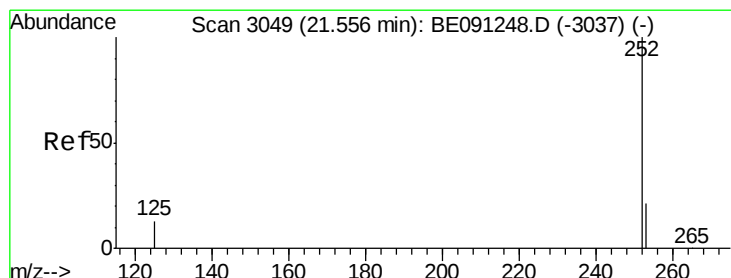
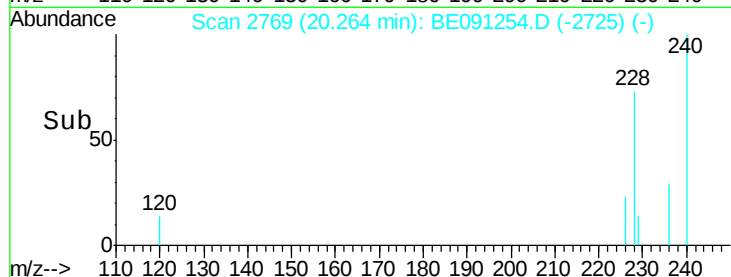
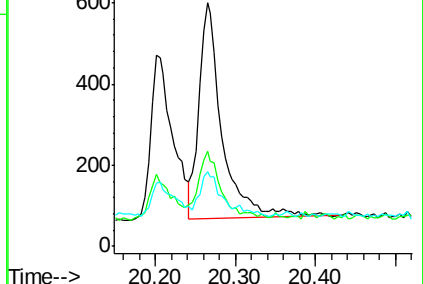
229 30.5 15.2 22.8#



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: 21.42 min Scan# 3019

Delta R.T. -0.14 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

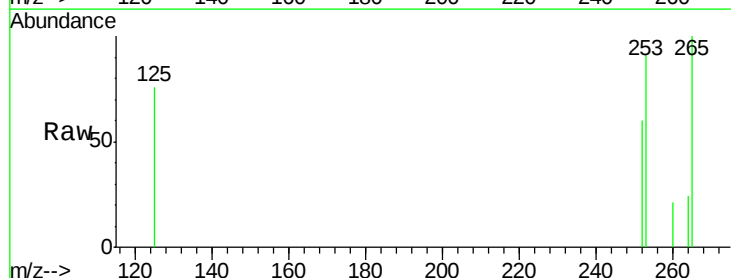
Tgt Ion:252 Resp: 12

Ion Ratio Lower Upper

252 100

253 153.5 0.0 48.0#

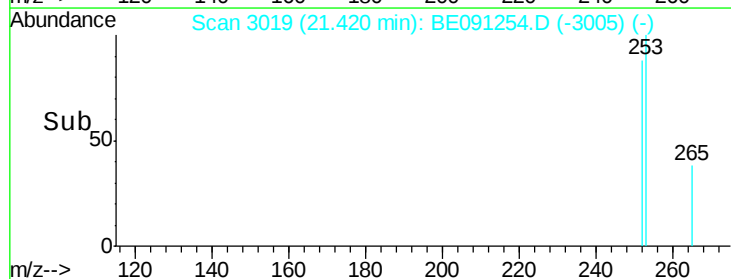
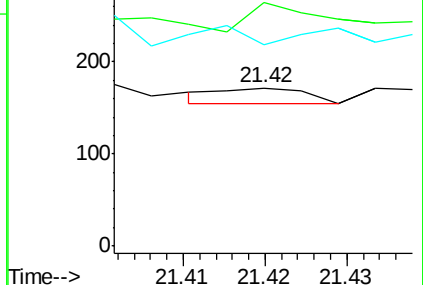
125 127.3 0.0 36.6#

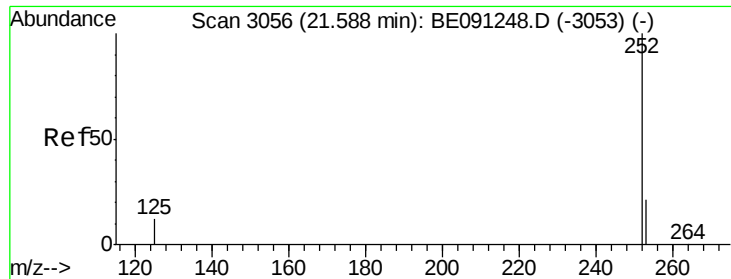


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.44 min Scan# 3024

Delta R.T. -0.15 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

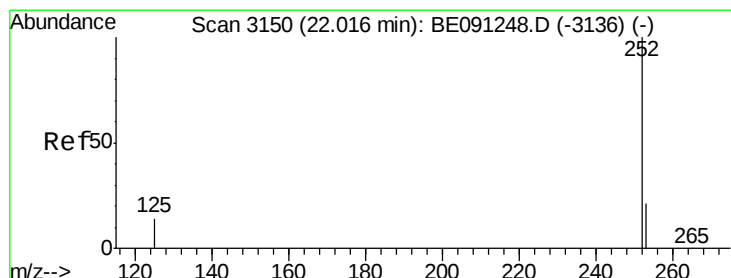
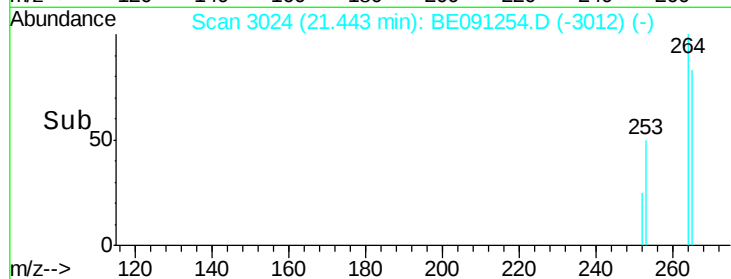
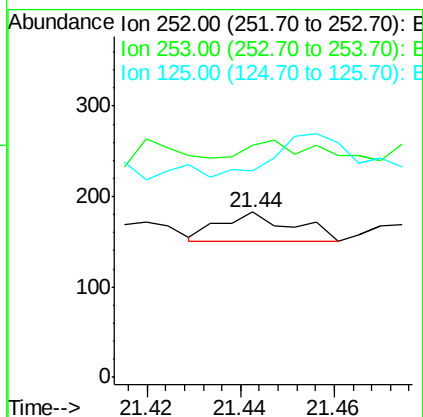
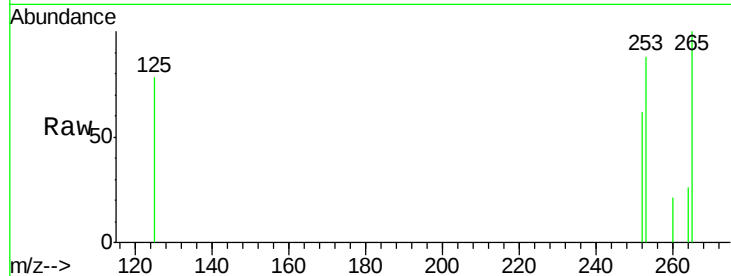
Tot Ion:252 Resp: 36

Ion Ratio Lower Upper

252 100

253 140.4 20.8 31.2#

125 125.1 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.85 min Scan# 3113

Delta R.T. -0.17 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

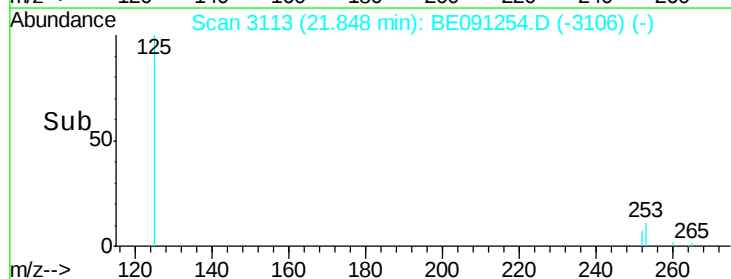
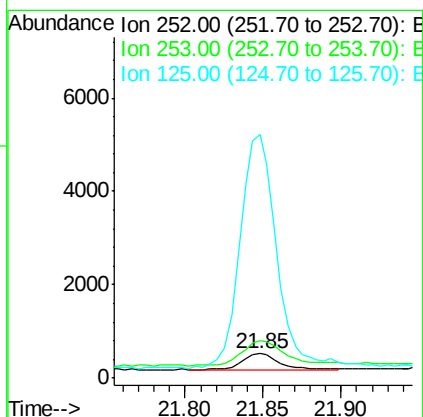
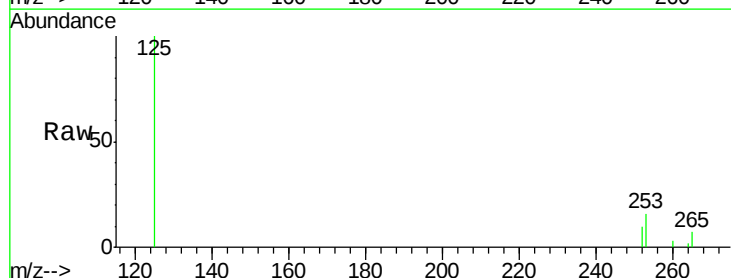
Tgt Ion:252 Resp: 599

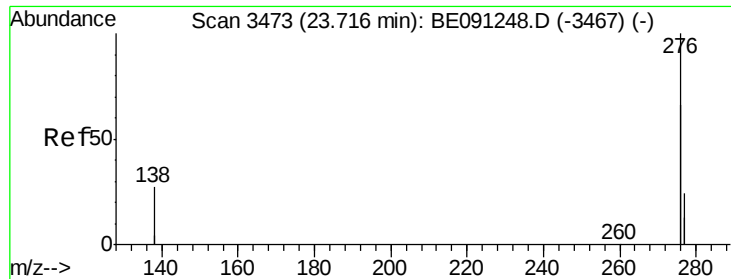
Ion Ratio Lower Upper

252 100

253 154.6 21.8 32.8#

125 995.4 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.59 min Scan# 3453

Delta R.T. -0.13 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

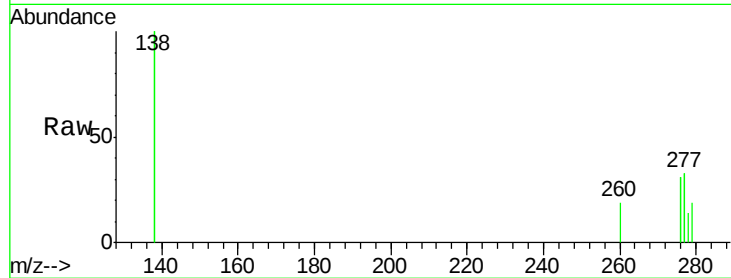
Tot Ion:276 Resp: 15

Ion Ratio Lower Upper

276 100

138 526.7 27.5 41.3#

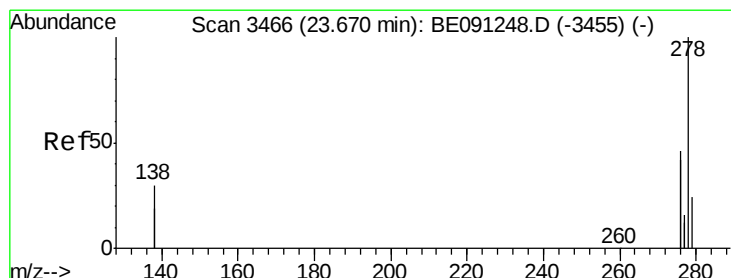
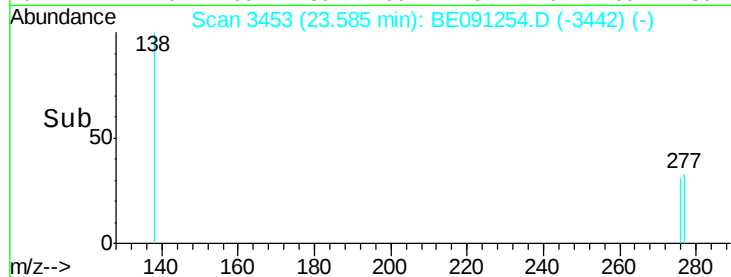
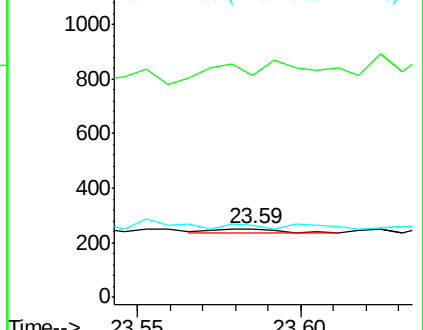
277 93.3 19.3 28.9#



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: 23.53 min Scan# 3445

Delta R.T. -0.14 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

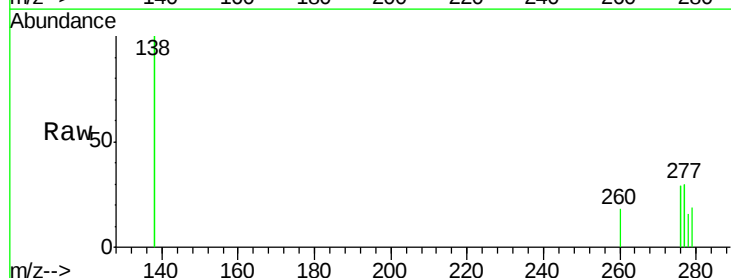
Tgt Ion:278 Resp: 14

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

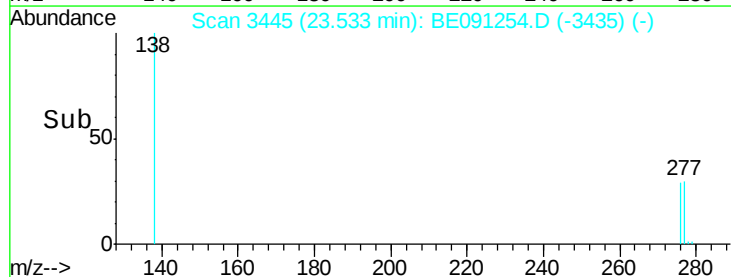
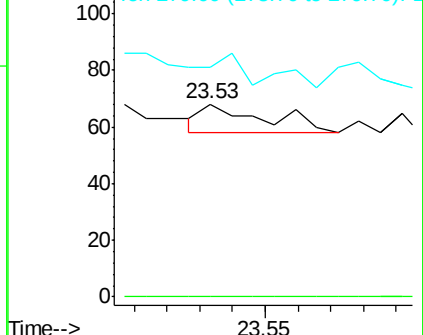
279 119.1 21.9 32.9#

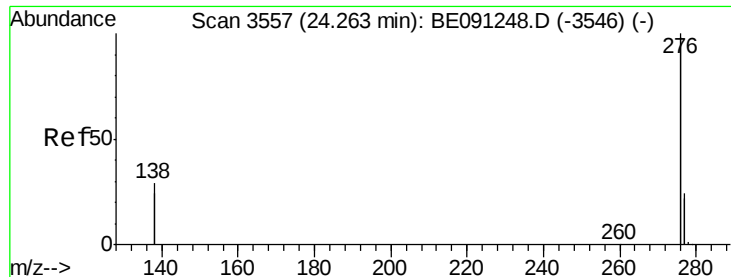


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.11 min Scan# 3534

Delta R.T. -0.15 min

Lab File: BE091254.D

Acq: 20 Nov 2015 20:20

Instrument :

BNA_E

ClientSampleId :

D9KM6

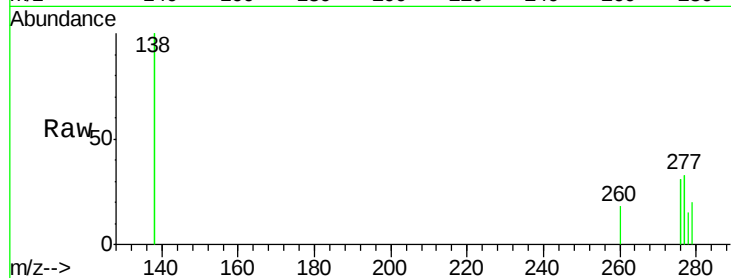
Tot Ion: 276 Resp: 50

Ion Ratio Lower Upper

276 100

277 106.6 21.3 31.9#

138 326.4 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

