

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
 Data File : BE091243.D
 Acq On : 19 Nov 2015 00:26
 Operator : UM/NP
 Sample : G4310-07
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM2

Quant Time: Nov 19 06:07:45 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 06:02:12 2015
 Response via : Initial Calibration

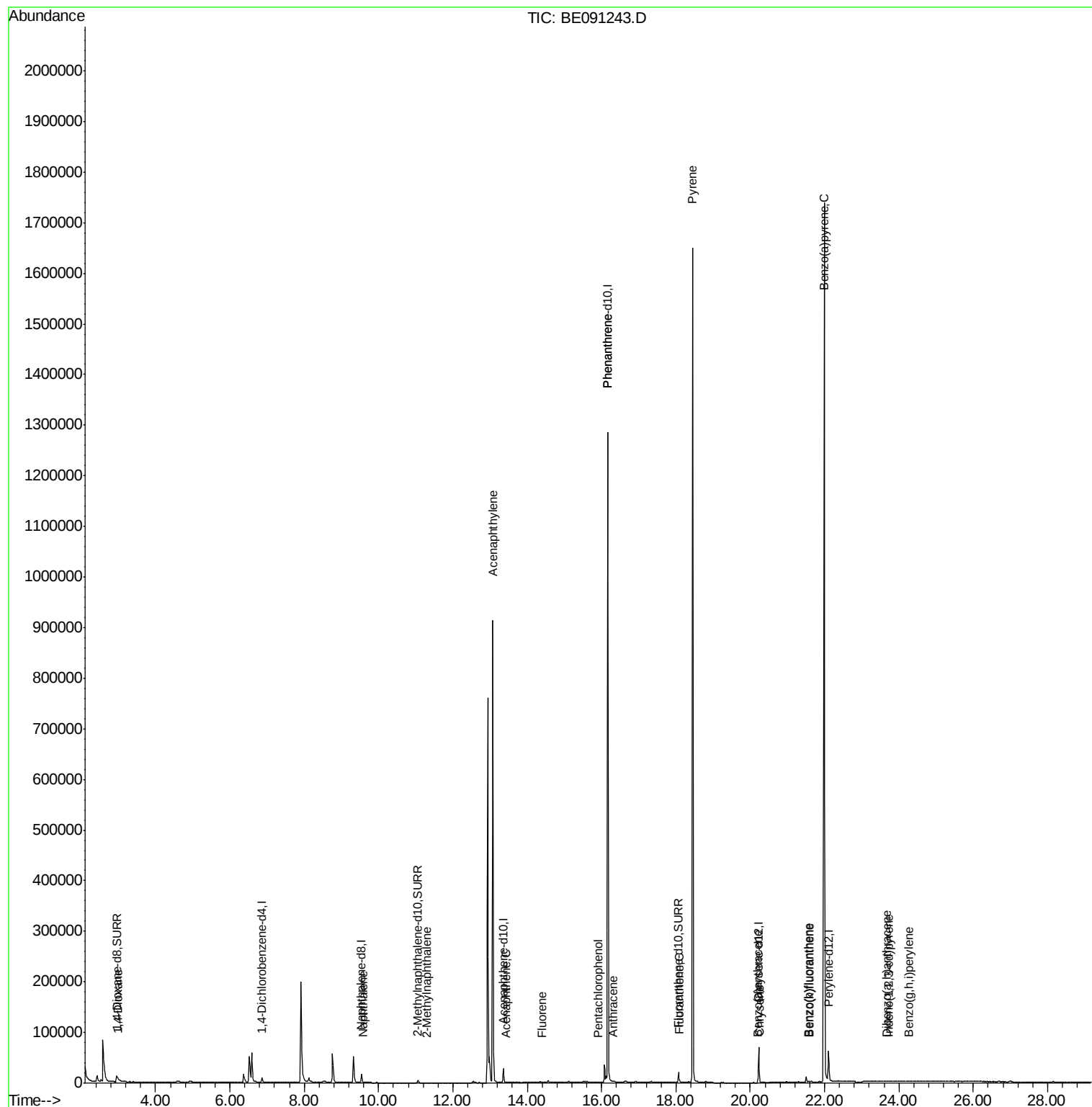
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3963	0.40	ng/ul	-0.04
4) Naphthalene-d8	9.54	136	21693	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	15396	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.16	188	1510410	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	66590	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	75557	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	21101	7.40	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	7349	0.25	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	21547	0.01	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.99	88	133	0.04	ng/ul#	68
5) Naphthalene	9.58	128	1024	0.02	ng/ul#	59
7) 2-Methylnaphthalene	11.28	142	8	0.00	ng/ul	87
9) Acenaphthylene	13.07	152	233	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	140	0.00	ng/ul#	78
11) Fluorene	14.40	166	266	0.00	ng/ul#	84
13) Pentachlorophenol	15.92	266	4	0.00	ng/ul#	16
14) Phenanthrene	16.16	178	3710	0.00	ng/ul#	1
15) Anthracene	16.29	178	522	0.00	ng/ul#	1
17) Fluoranthene	18.10	202	6228	0.00	ng/ul	80
19) Pyrene	18.45	202	16286	0.02	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	273	0.00	ng/ul#	29
21) Chrysene	20.26	228	570	0.00	ng/ul#	56
23) Benzo(b)fluoranthene	21.56	252	635	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.58	252	410	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7255	0.03	ng/ul#	35
26) Indeno(1,2,3-cd)pyrene	23.72	276	1366	0.00	ng/ul#	58
27) Dibenzo(a,h)anthracene	23.67	278	201	0.00	ng/ul#	2
28) Benzo(g,h,i)perylene	24.28	276	1420	0.00	ng/ul#	1

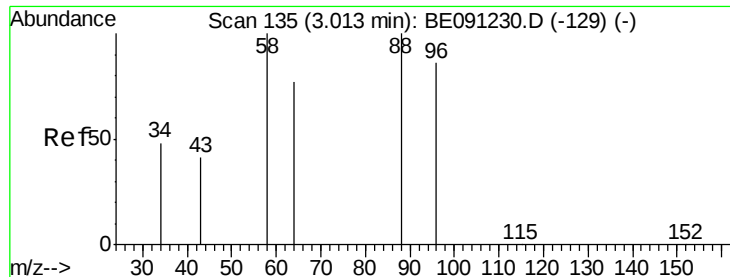
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. -0.02 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

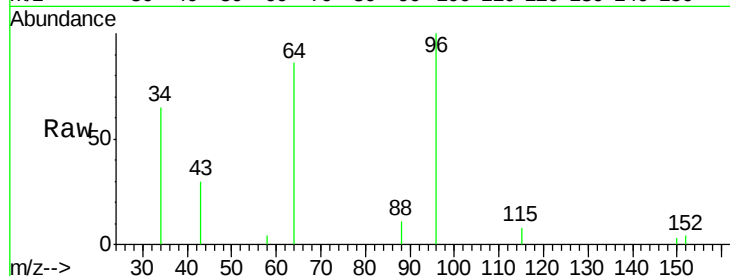
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

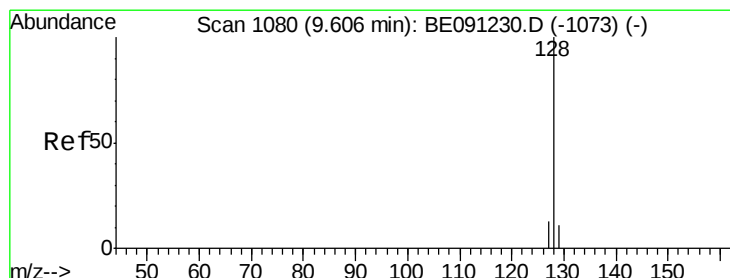
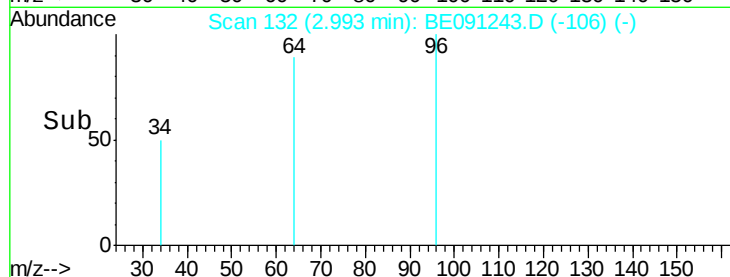
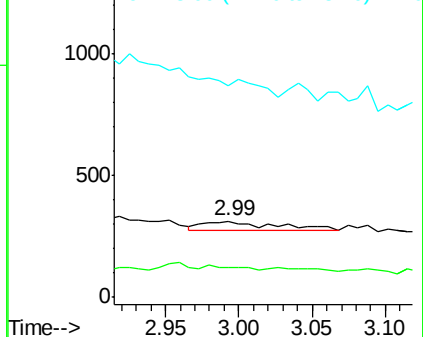
88 100

58 51.9 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: BE091243.D

Acq: 19 Nov 2015 00:26

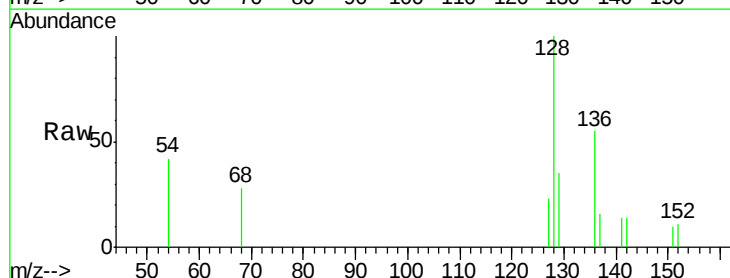
Tgt Ion: 128 Resp: 1024

Ion Ratio Lower Upper

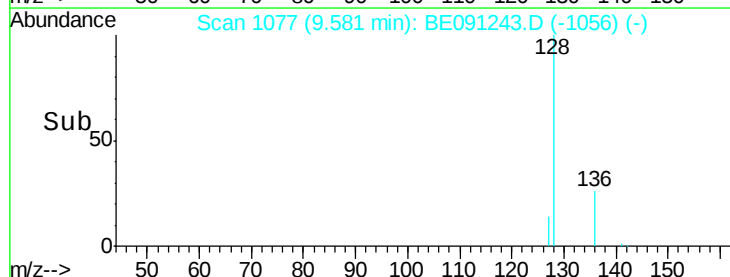
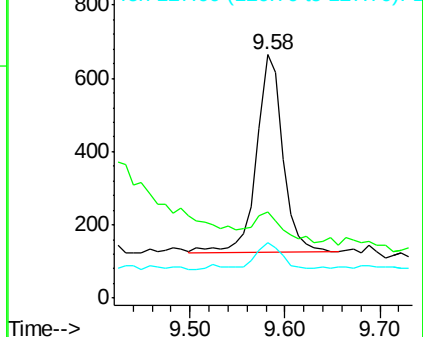
128 100

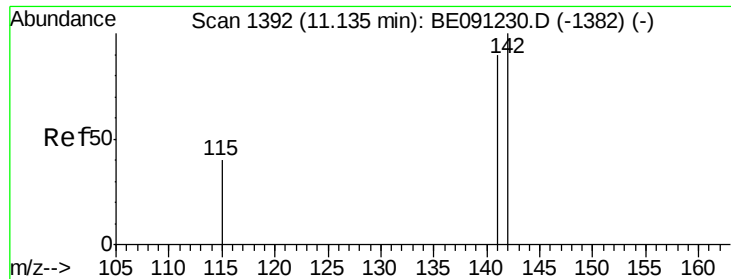
129 35.5 9.8 14.8#

127 23.0 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: 11.28 min Scan# 1425

Delta R.T. 0.15 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampled :

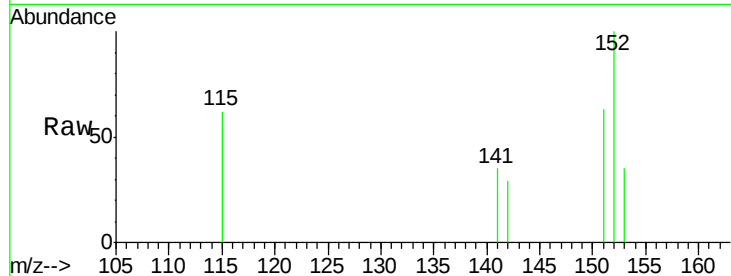
D9KM2

Tgt Ion:142 Resp: 8

Ion Ratio Lower Upper

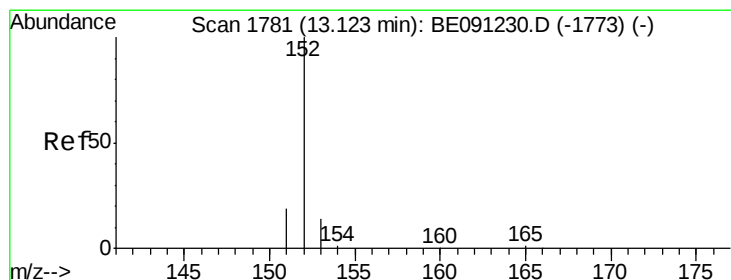
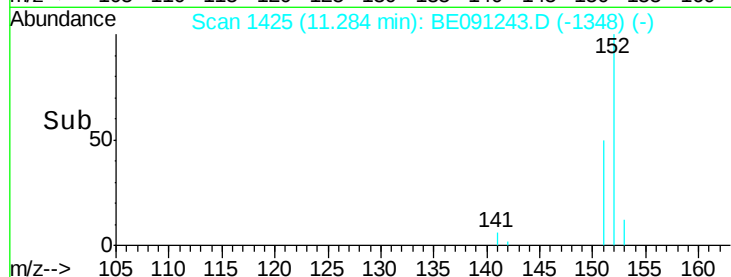
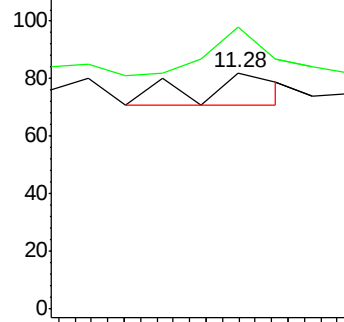
142 100

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



#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

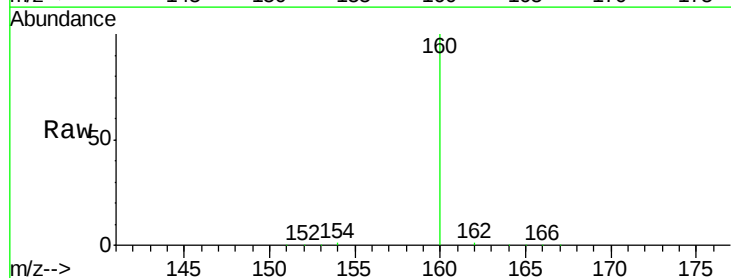
Tgt Ion:152 Resp: 233

Ion Ratio Lower Upper

152 100

151 84.1 16.8 25.2#

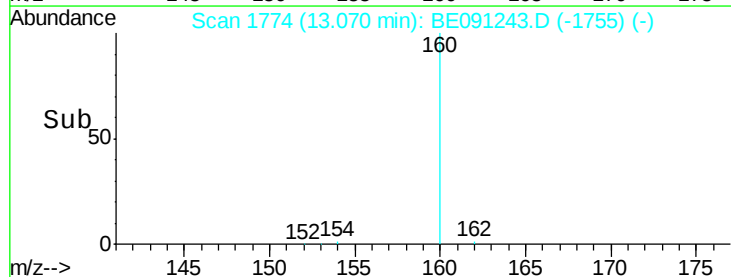
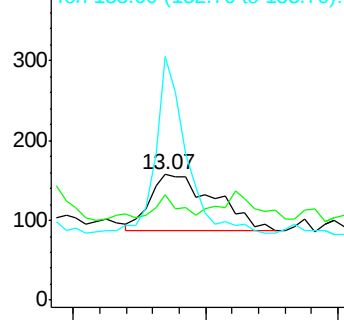
153 194.3 11.3 16.9#

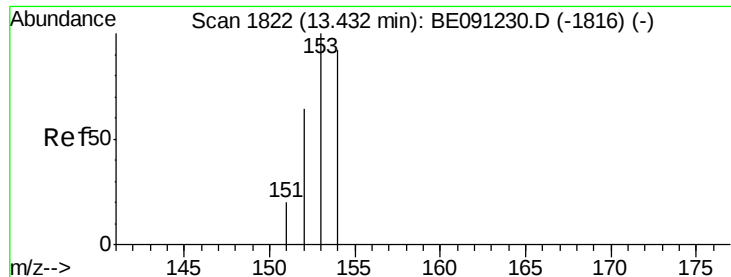


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

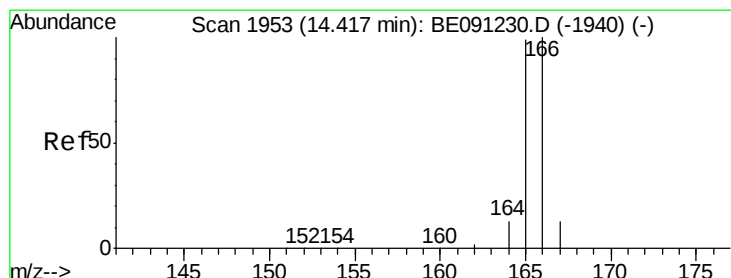
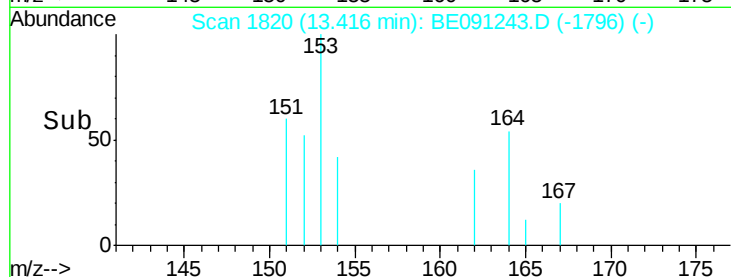
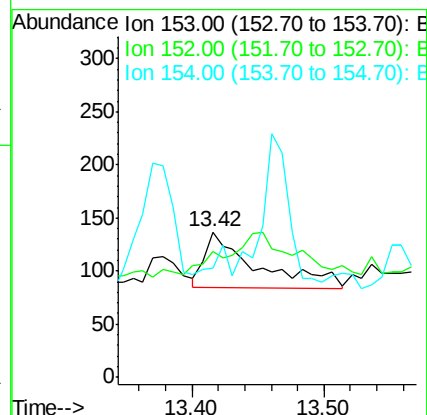
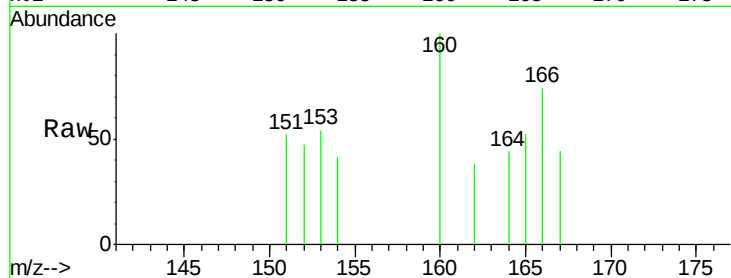
Tgt Ion:153 Resp: 140

Ion Ratio Lower Upper

153 100

152 86.1 42.3 63.5#

154 75.2 64.7 97.1



#11

Fluorene

Concen: 0.00 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

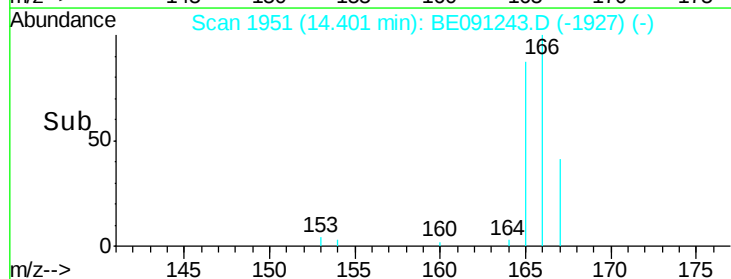
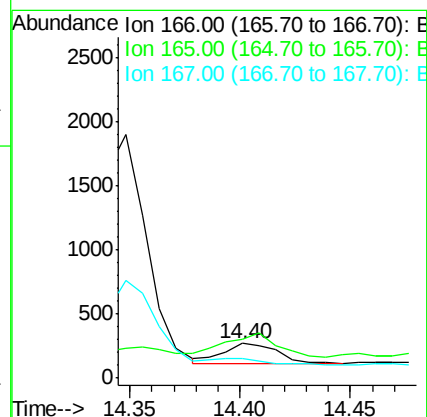
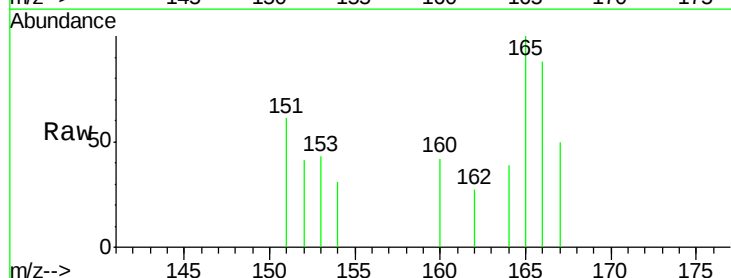
Tgt Ion:166 Resp: 266

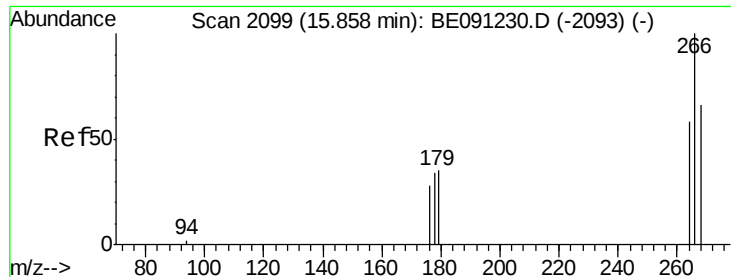
Ion Ratio Lower Upper

166 100

165 113.8 87.6 131.4

167 57.5 11.1 16.7#

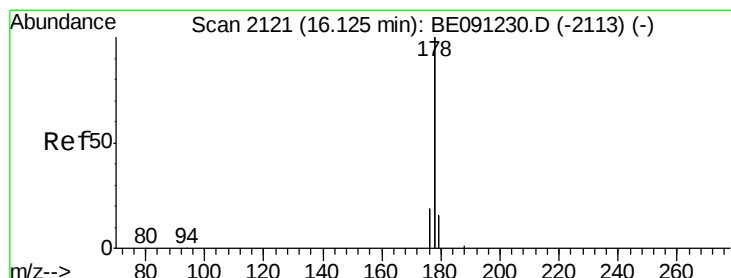
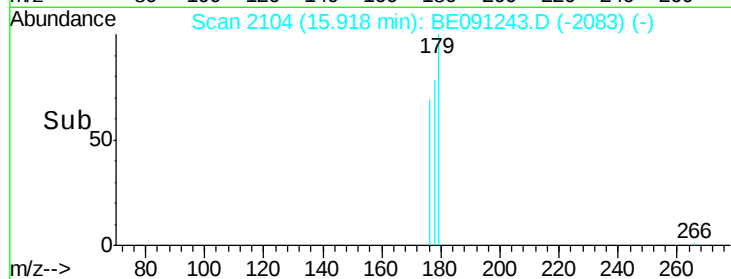
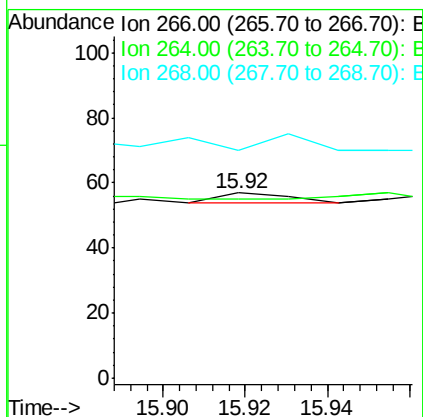
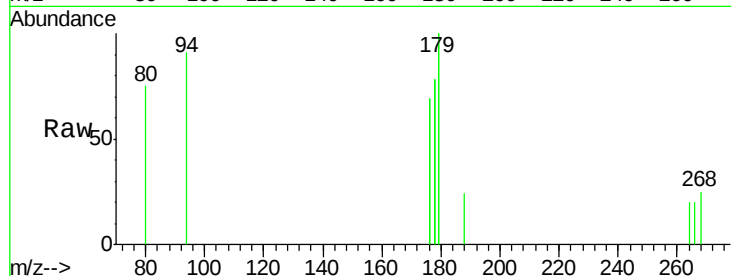




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.92 min Scan# 2104
 Delta R.T. 0.06 min
 Lab File: BE091243.D
 Acq: 19 Nov 2015 00:26

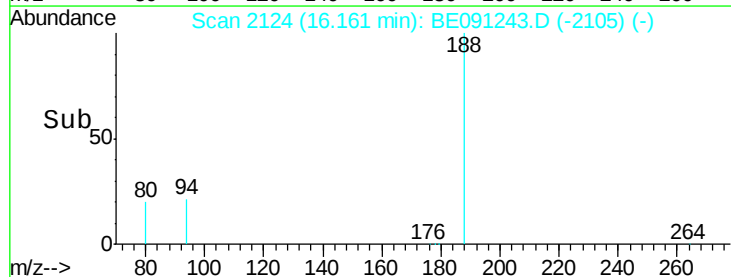
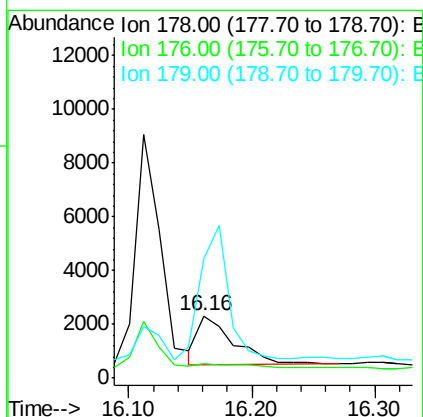
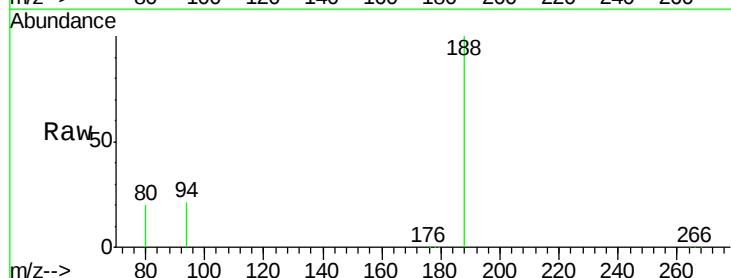
Instrument :
 BNA_E
 ClientSampleId :
 D9KM2

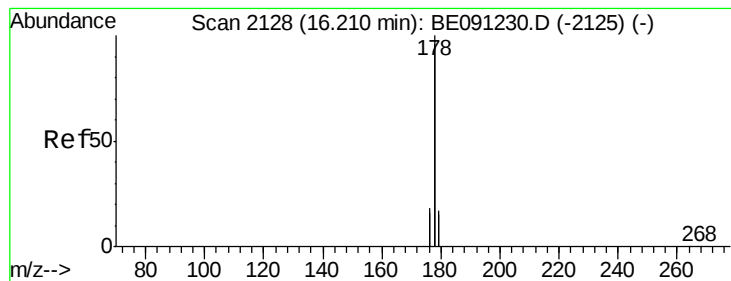
Tgt Ion: 266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 0.0 53.5 80.3#
 268 0.0 54.2 81.2#



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.16 min Scan# 2124
 Delta R.T. 0.04 min
 Lab File: BE091243.D
 Acq: 19 Nov 2015 00:26

Tgt Ion: 178 Resp: 3710
 Ion Ratio Lower Upper
 178 100
 176 23.2 16.2 24.4
 179 193.8 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 16.29 min Scan# 2135

Delta R.T. 0.08 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

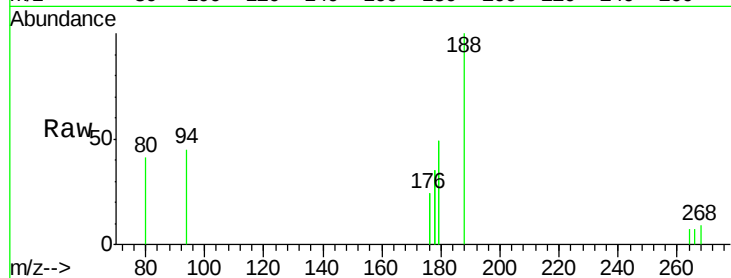
Tgt Ion:178 Resp: 522

Ion Ratio Lower Upper

178 100

176 67.6 15.8 23.8#

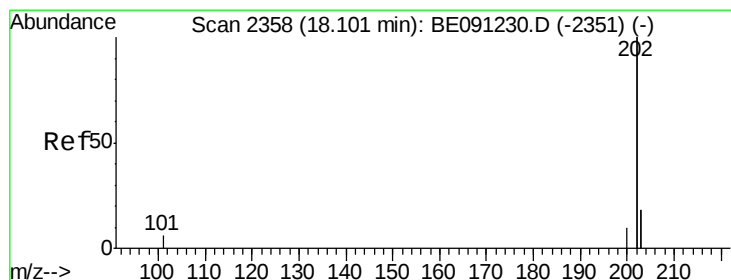
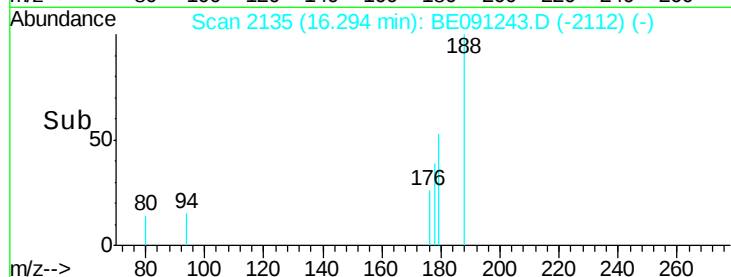
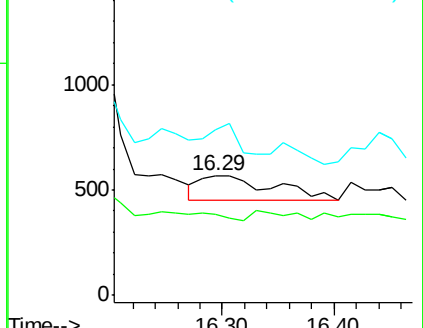
179 138.0 13.3 19.9#



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: 18.10 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

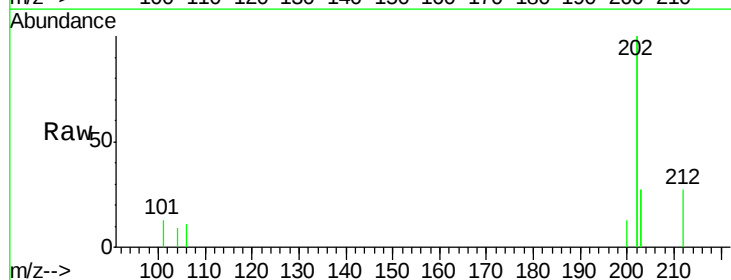
Tgt Ion:202 Resp: 6228

Ion Ratio Lower Upper

202 100

101 6.4 0.0 33.1

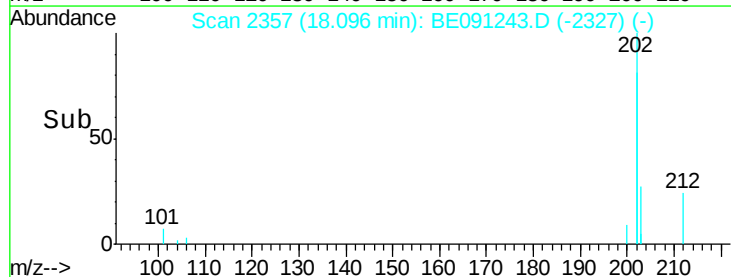
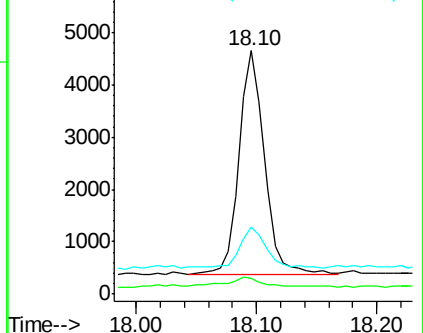
203 27.3 0.0 37.2

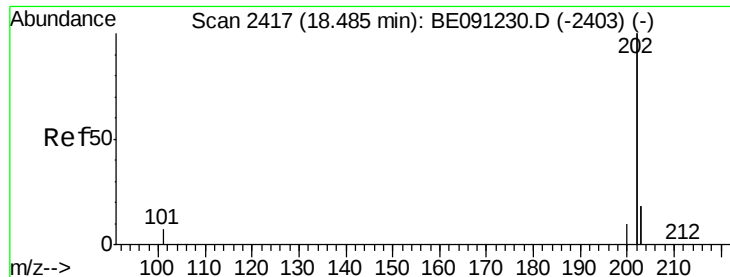


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.02 ng/ul

RT: 18.45 min Scan# 2411

Delta R.T. -0.04 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

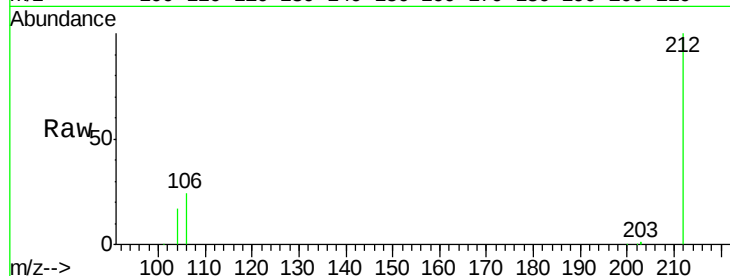
Tgt Ion:202 Resp: 16286

Ion Ratio Lower Upper

202 100

200 2.1 18.0 27.0#

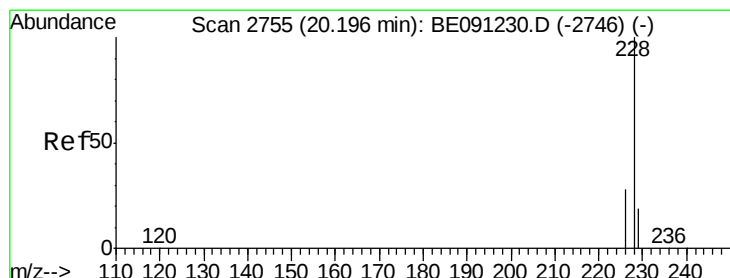
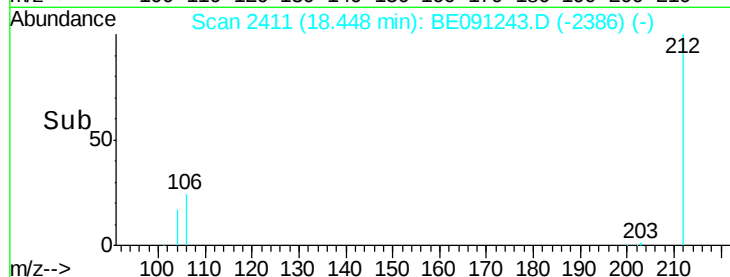
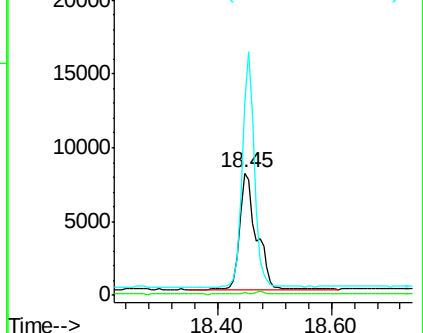
203 157.3 13.8 20.6#



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: 0.00 ng/ul

RT: 20.20 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

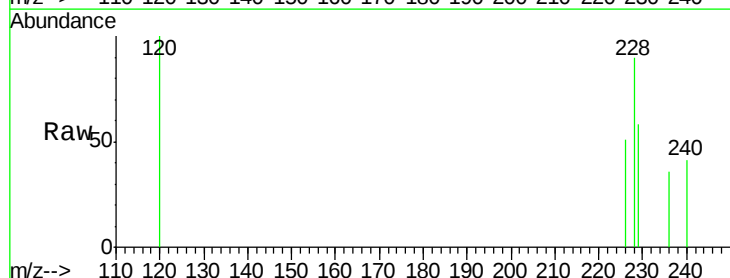
Tgt Ion:228 Resp: 273

Ion Ratio Lower Upper

228 100

226 56.6 23.0 34.4#

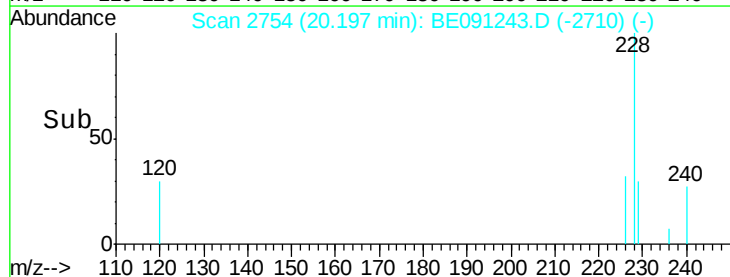
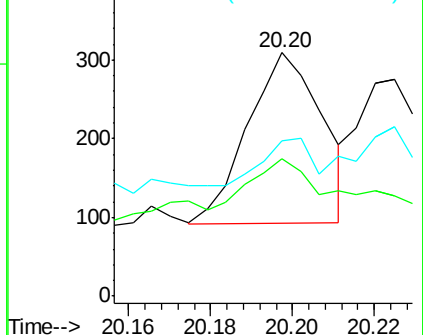
229 63.8 15.2 22.8#

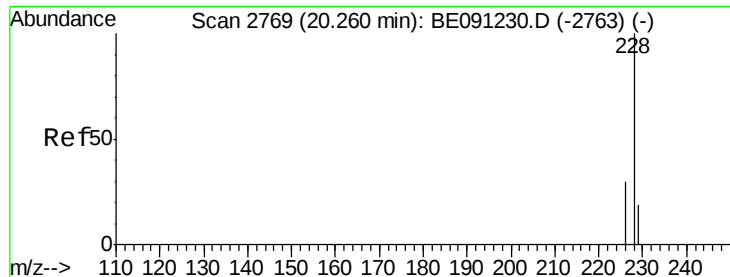


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

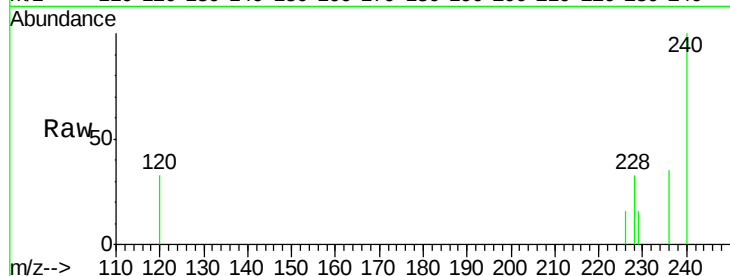
Tgt Ion:228 Resp: 570

Ion Ratio Lower Upper

228 100

226 48.6 25.7 38.5#

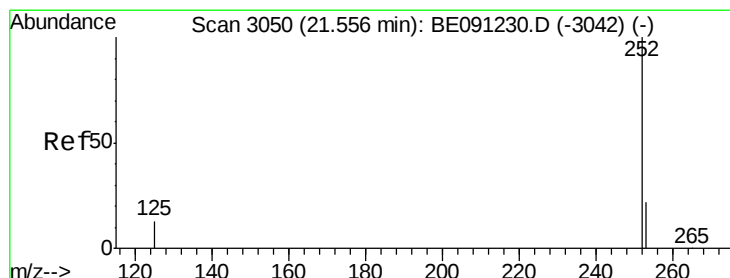
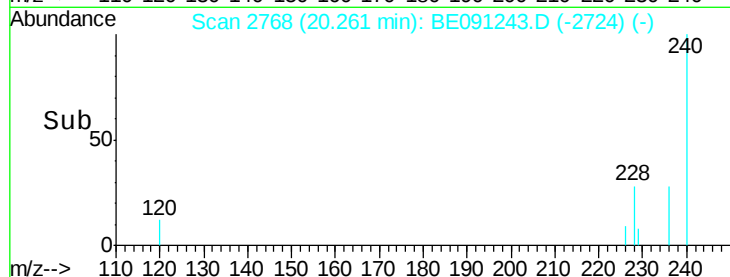
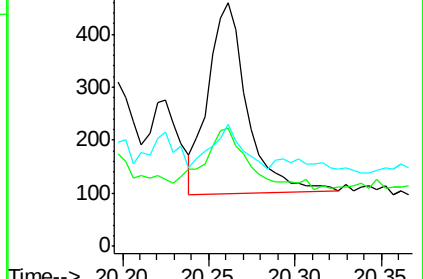
229 50.1 15.2 22.8#



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: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

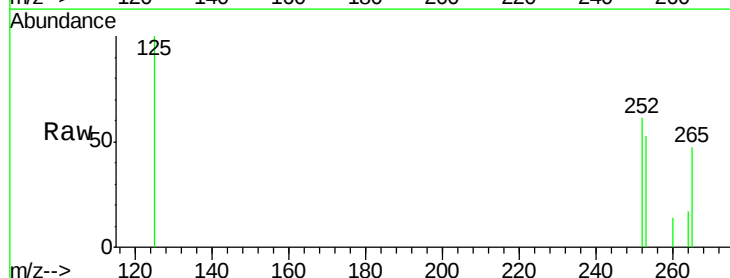
Tgt Ion:252 Resp: 635

Ion Ratio Lower Upper

252 100

253 86.2 0.0 48.0#

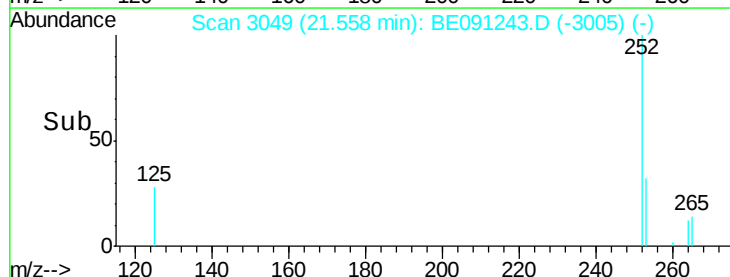
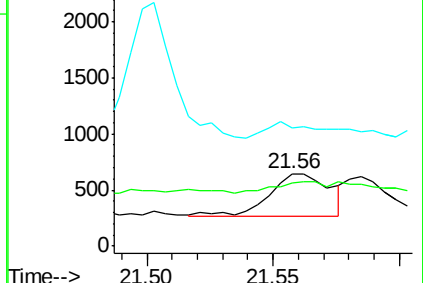
125 162.9 0.0 36.6#

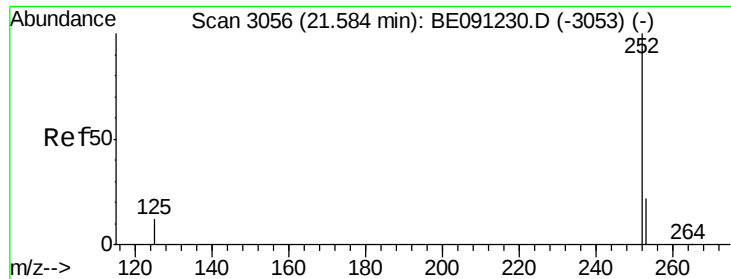


Abundance Ion 252.00 (251.70 to 252.70): E

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/u1

RT: 21.58 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

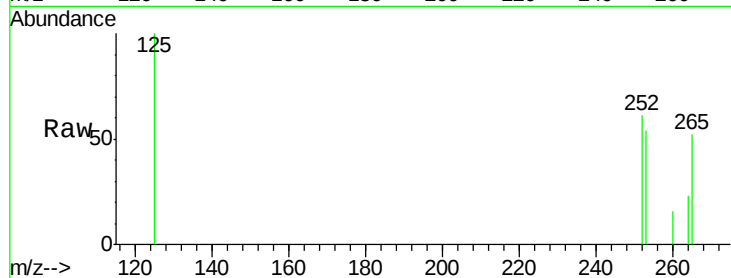
Tgt Ion:252 Resp: 410

Ion Ratio Lower Upper

252 100

253 87.7 20.8 31.2#

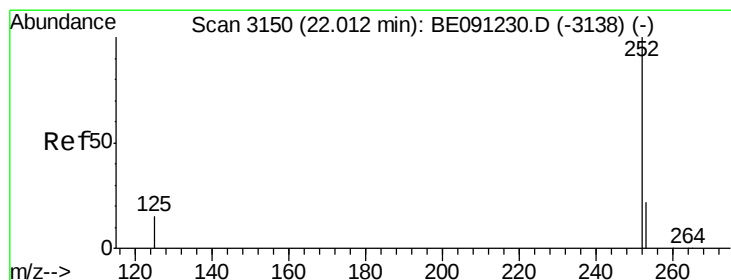
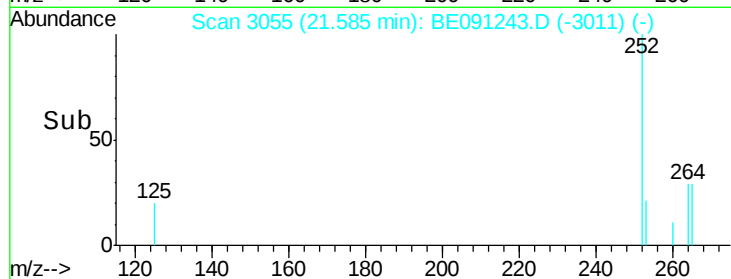
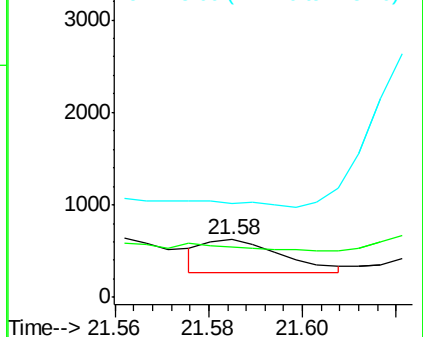
125 162.7 12.2 18.4#



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: 0.03 ng/u1

RT: 21.98 min Scan# 3142

Delta R.T. -0.03 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

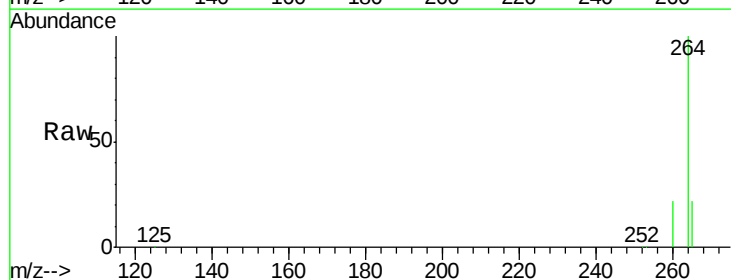
Tgt Ion:252 Resp: 7255

Ion Ratio Lower Upper

252 100

253 37.8 21.8 32.8#

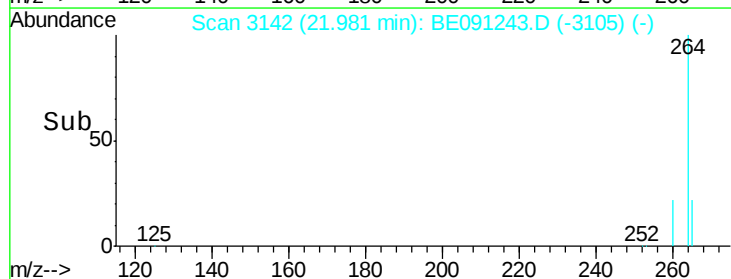
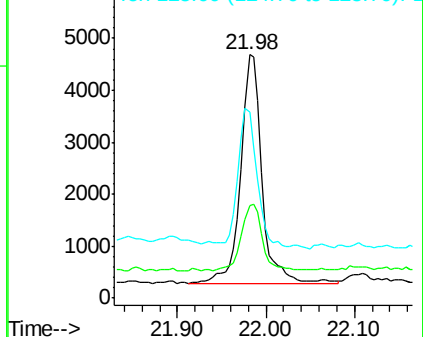
125 76.6 14.5 21.7#

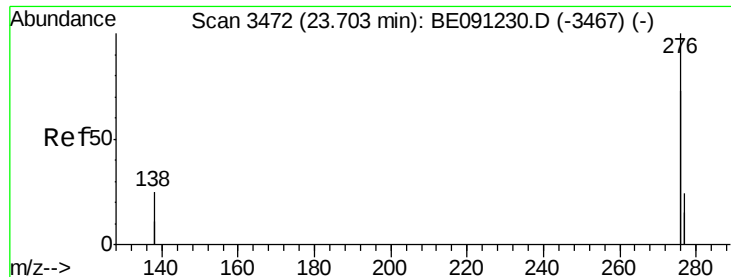


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.72 min Scan# 3473

Delta R.T. 0.02 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

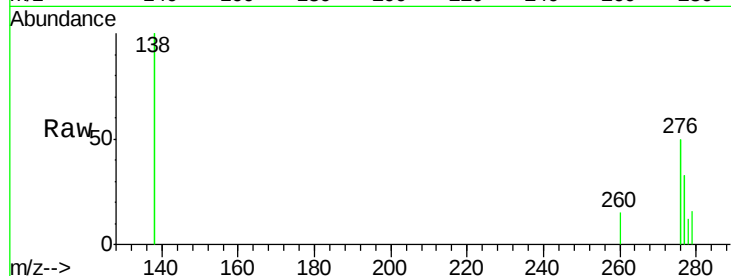
Tgt Ion: 276 Resp: 1366

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

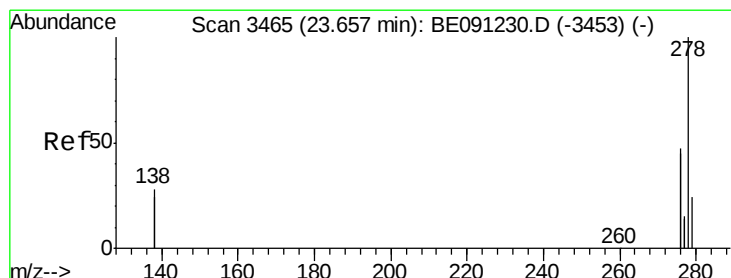
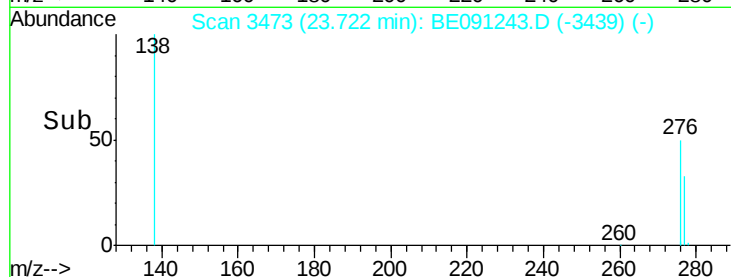
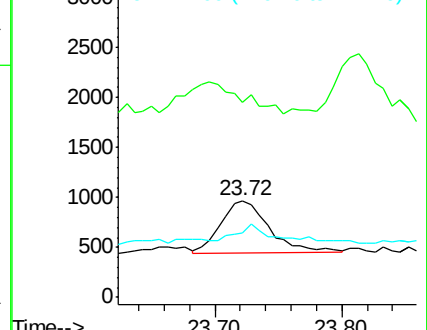
277 32.7 19.3 28.9#



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: 23.67 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

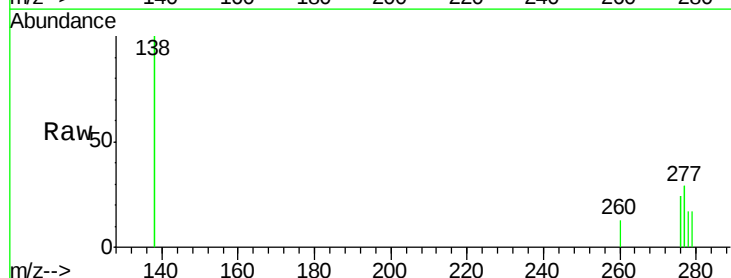
Tgt Ion: 278 Resp: 201

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

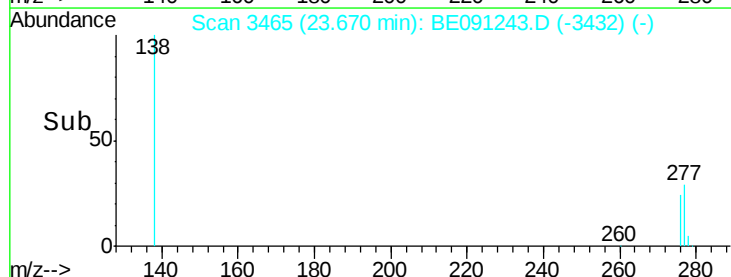
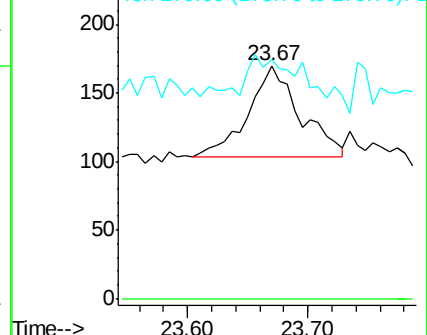
279 102.4 21.9 32.9#

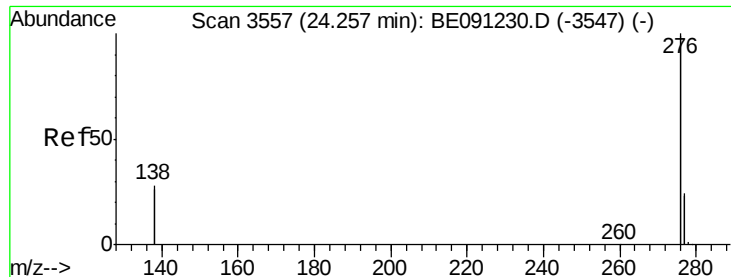


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.28 min Scan# 3558

Delta R.T. 0.02 min

Lab File: BE091243.D

Acq: 19 Nov 2015 00:26

Instrument :

BNA_E

ClientSampleId :

D9KM2

Tgt Ion: 276 Resp: 1420

Ion Ratio Lower Upper

276 100

277 70.4 21.3 31.9#

138 214.4 25.5 38.3#

