

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091270.D
 Acq On : 21 Nov 2015 10:26
 Operator : UM/NP
 Sample : G4310-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM9

Quant Time: Nov 22 00:47:40 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 : Sun Nov 22 00:42:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3160	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.54	136	16063	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8562	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1528437	0.40	ng/ul	0.07
18) Chrysene-d12	20.22	240	23589	0.40	ng/ul	0.00
22) Perylene-d12	21.99	264	1774744	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	24684	10.86	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.04	152	7832	0.36	ng/ul	-0.02
16) Fluoranthene-d10	18.07	212	20907	0.00	ng/ul	0.00

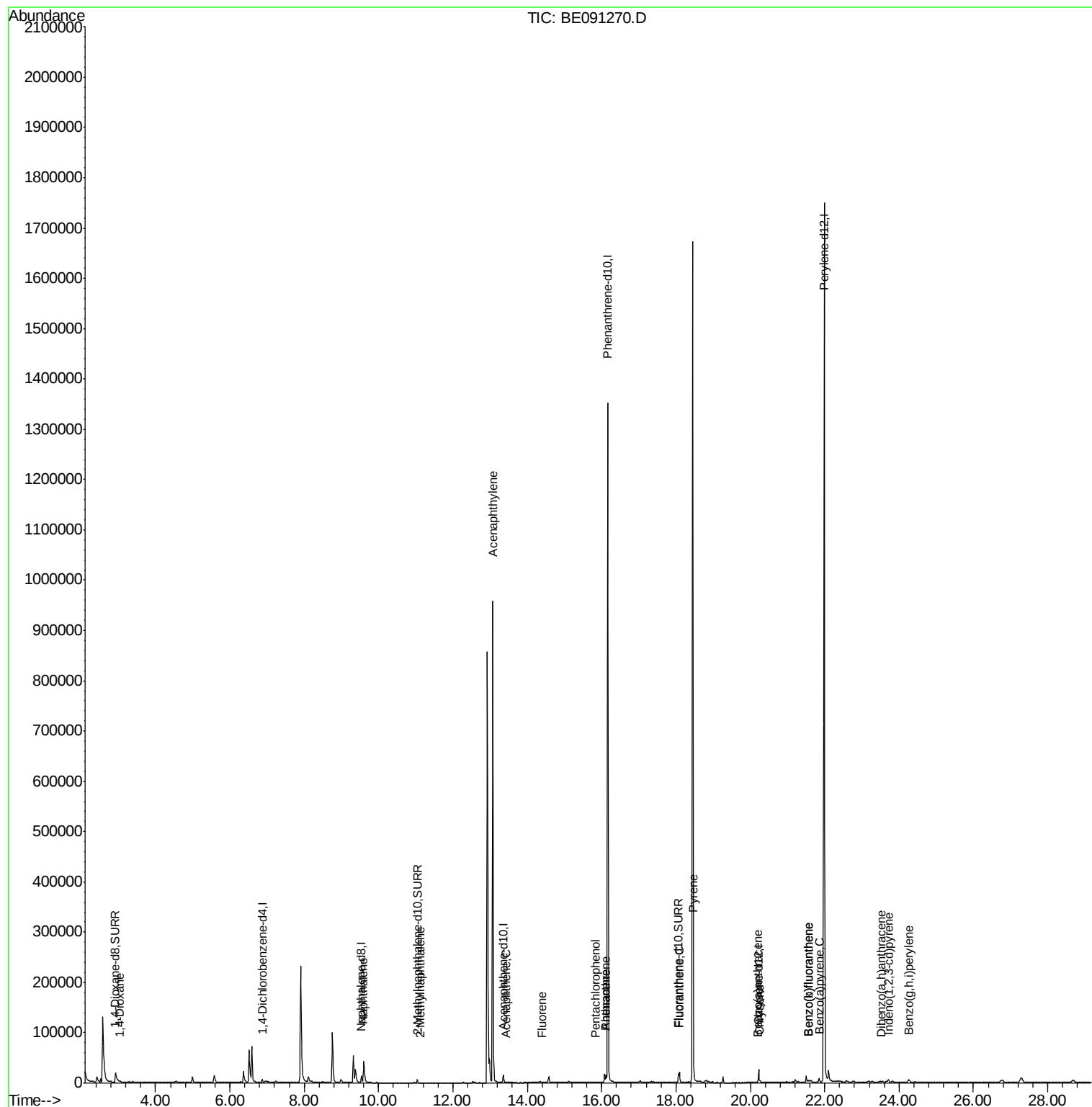
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.03	88	83	0.03	ng/ul#	24
5) Naphthalene	9.58	128	2398	0.06	ng/ul#	83
7) 2-Methylnaphthalene	11.11	142	165	0.01	ng/ul#	79
9) Acenaphthylene	13.07	152	194	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	114	0.00	ng/ul#	71
11) Fluorene	14.40	166	321	0.01	ng/ul#	87
13) Pentachlorophenol	15.84	266	250	0.00	ng/ul	99
14) Phenanthrene	16.11	178	15330	0.00	ng/ul	95
15) Anthracene	16.11	178	11481	0.00	ng/ul	95
17) Fluoranthene	18.10	202	23505	0.00	ng/ul	86
19) Pyrene	18.47	202	33653	0.13	ng/ul#	72
20) Benzo(a)anthracene	20.20	228	2629	0.04	ng/ul#	90
21) Chrysene	20.26	228	4661	0.07	ng/ul#	94
23) Benzo(b)fluoranthene	21.56	252	3209	0.00	ng/ul#	50
24) Benzo(k)fluoranthene	21.56	252	3209	0.00	ng/ul#	53
25) Benzo(a)pyrene	21.85	252	564	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	23.71	276	5398	0.00	ng/ul	92
27) Dibenzo(a,h)anthracene	23.53	278	30	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.26	276	7022	0.00	ng/ul#	62

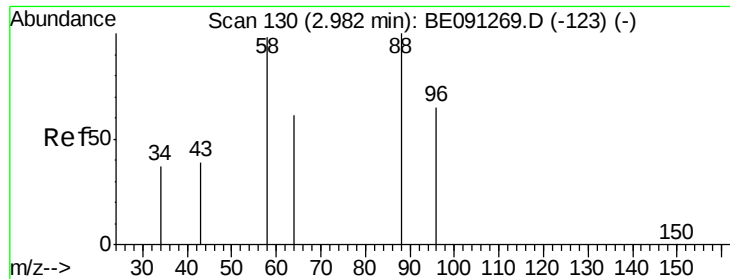
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.03 min Scan# 138

Delta R.T. 0.05 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

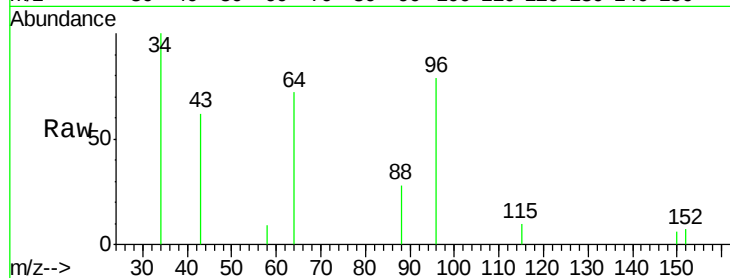
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

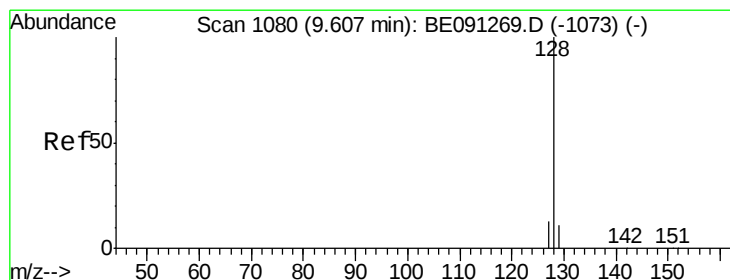
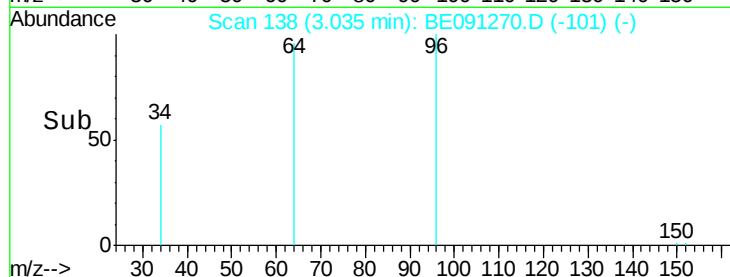
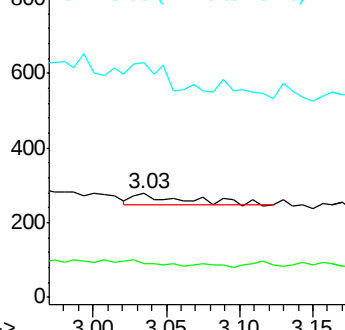
88 100

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: 0.06 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

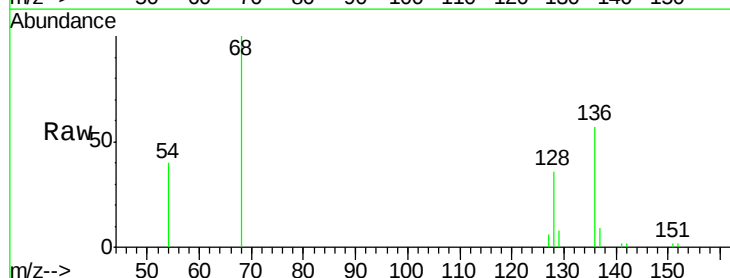
Tgt Ion: 128 Resp: 2398

Ion Ratio Lower Upper

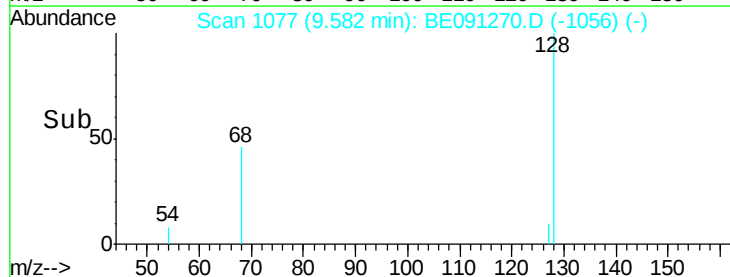
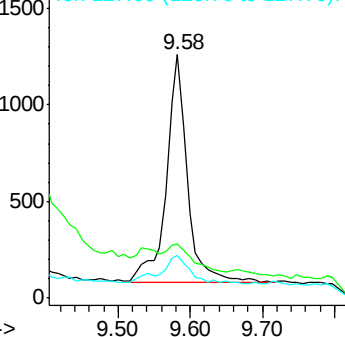
128 100

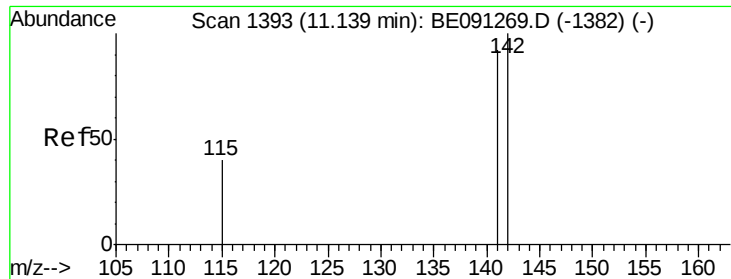
129 22.1 9.8 14.8#

127 17.5 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: 0.01 ng/ul

RT: 11.11 min Scan# 1387

Delta R.T. -0.03 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

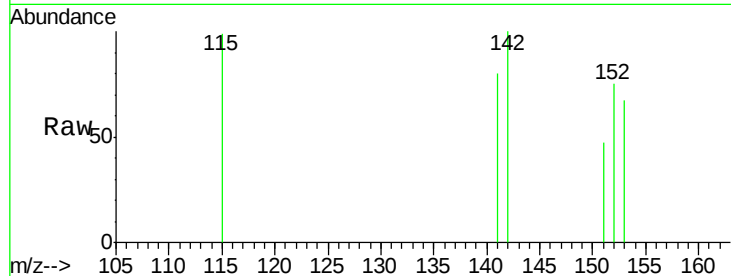
D9KM9

Tgt Ion:142 Resp: 165

Ion Ratio Lower Upper

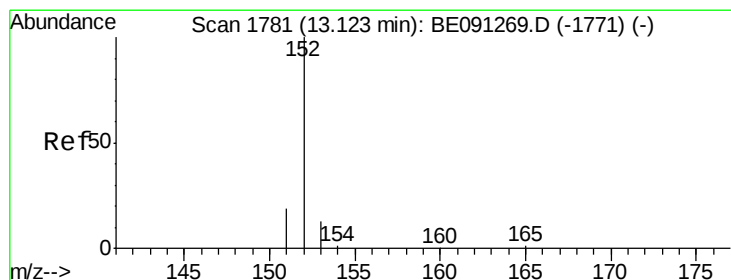
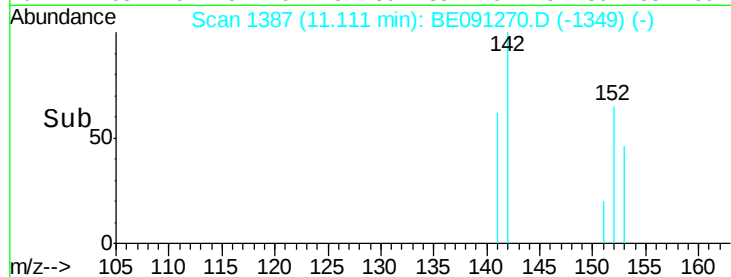
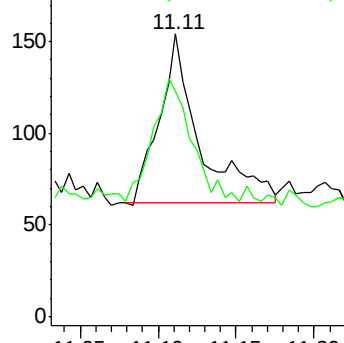
142 100

141 68.5 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: BE091270.D

Acq: 21 Nov 2015 10:26

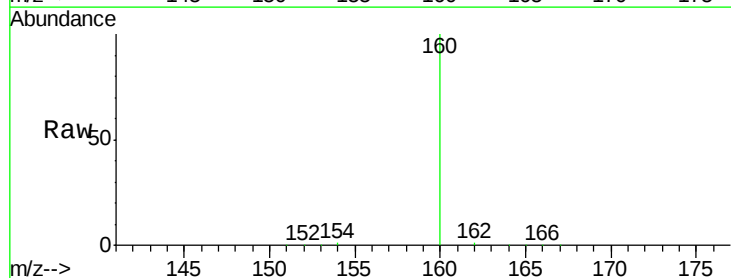
Tgt Ion:152 Resp: 194

Ion Ratio Lower Upper

152 100

151 81.6 16.8 25.2#

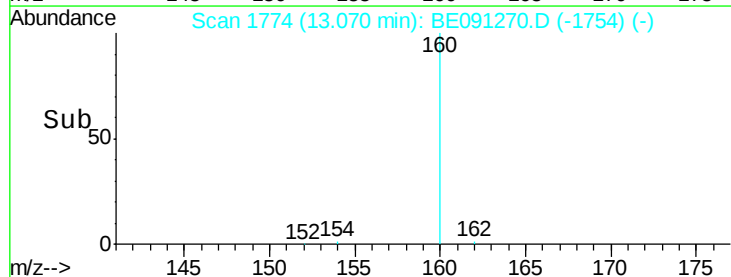
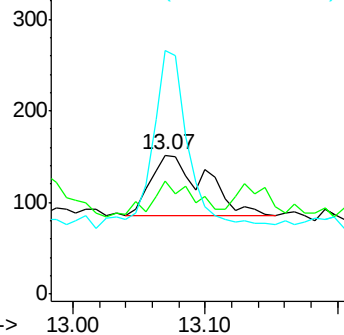
153 175.0 11.3 16.9#

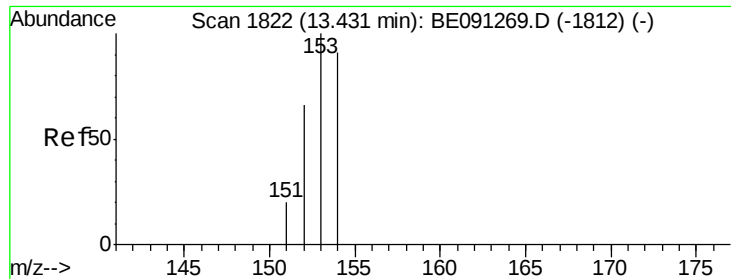


Abundance Ion 152.00 (151.70 to 152.70): E

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. -0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

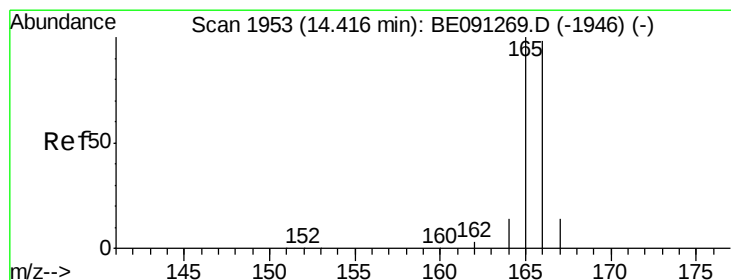
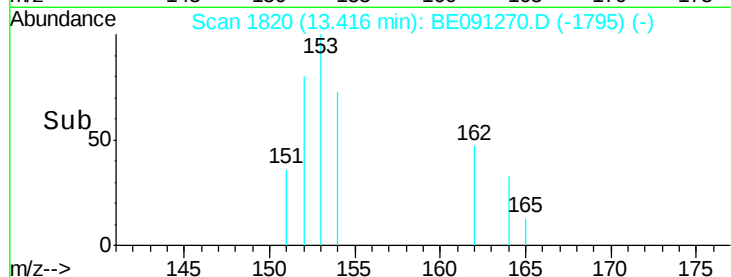
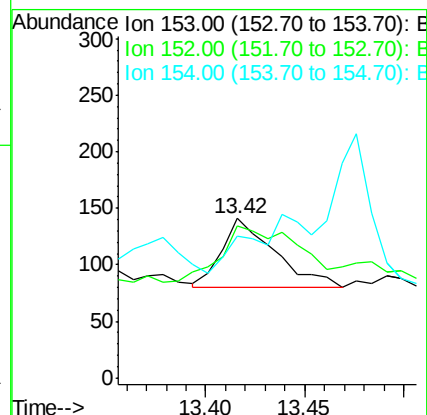
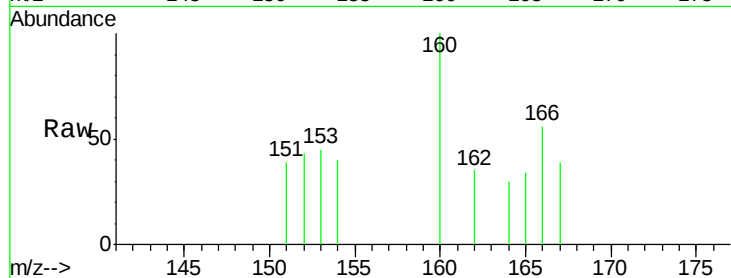
Tgt Ion:153 Resp: 114

Ion Ratio Lower Upper

153 100

152 95.0 42.3 63.5#

154 88.7 64.7 97.1



#11

Fluorene

Concen: 0.01 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

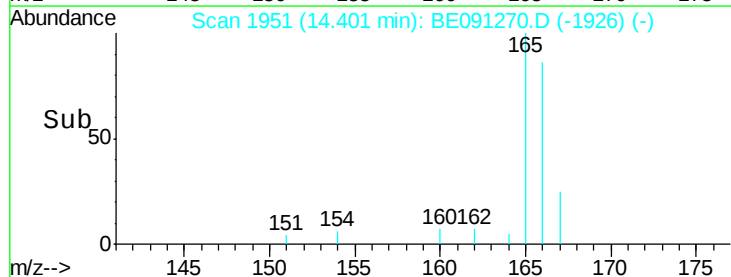
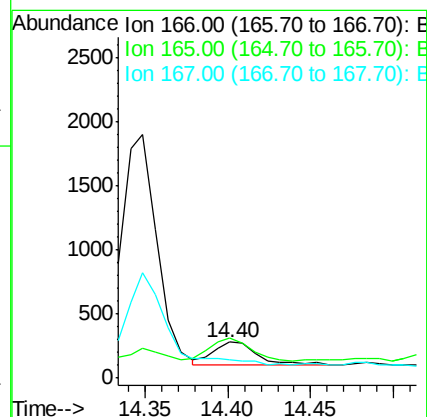
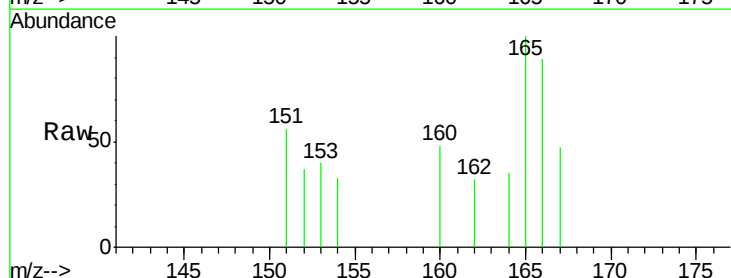
Tgt Ion:166 Resp: 321

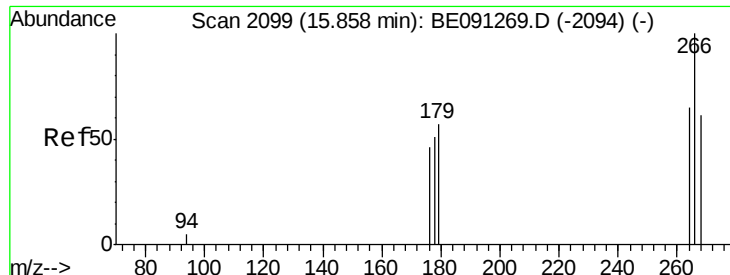
Ion Ratio Lower Upper

166 100

165 111.8 87.6 131.4

167 53.0 11.1 16.7#

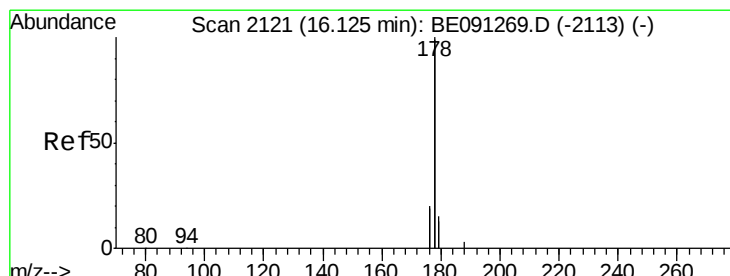
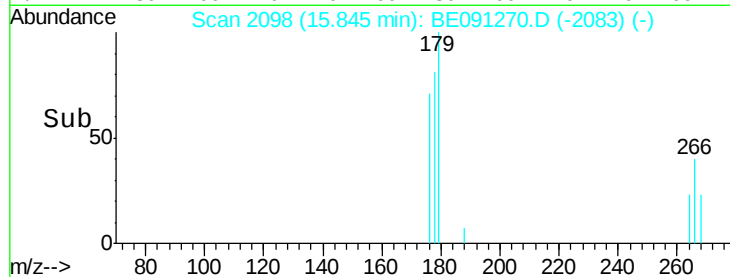
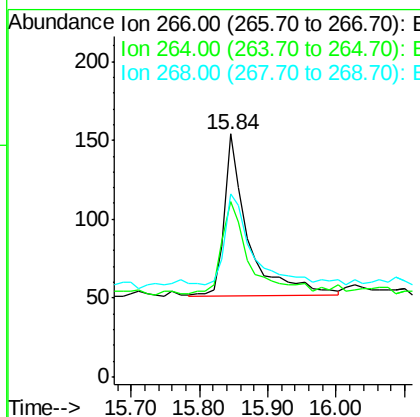
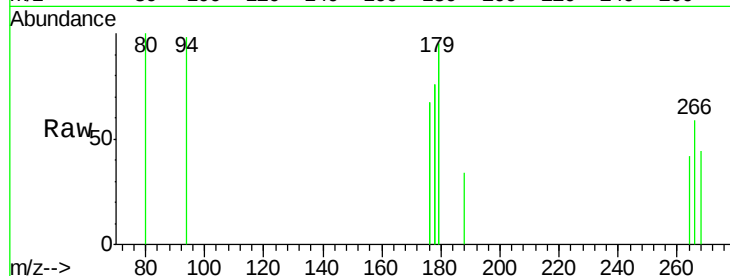




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.84 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091270.D
 Acq: 21 Nov 2015 10:26

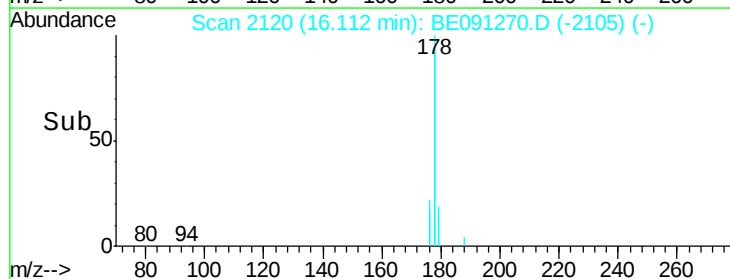
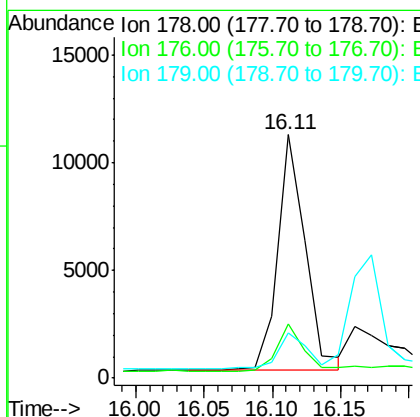
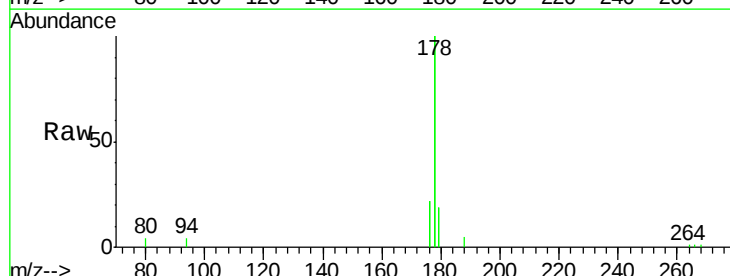
Instrument :
 BNA_E
 ClientSampleId :
 D9KM9

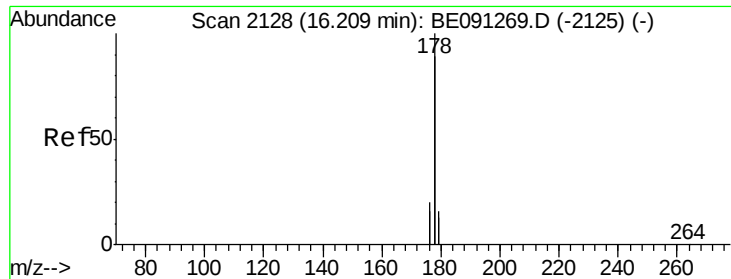
Tgt Ion: 266 Resp: 250
 Ion Ratio Lower Upper
 266 100
 264 67.2 53.5 80.3
 268 66.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091270.D
 Acq: 21 Nov 2015 10:26

Tgt Ion: 178 Resp: 15330
 Ion Ratio Lower Upper
 178 100
 176 22.4 16.2 24.4
 179 18.5 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: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampled :

D9KM9

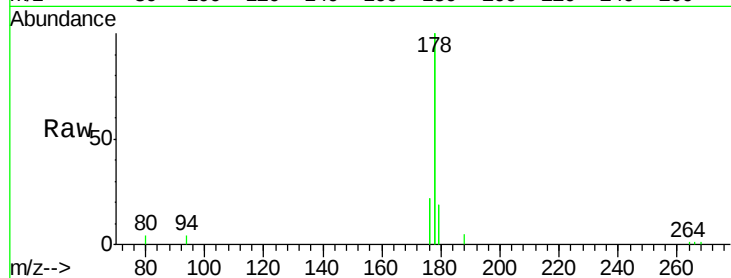
Tgt Ion:178 Resp: 11481

Ion Ratio Lower Upper

178 100

176 22.4 15.8 23.8

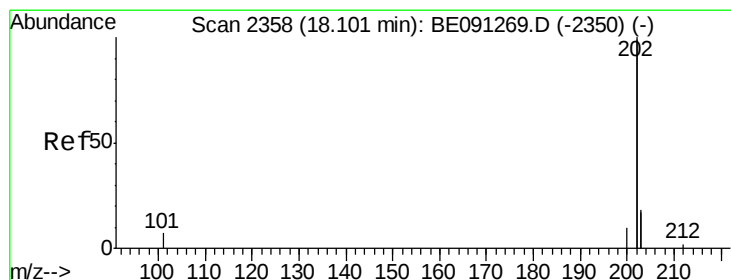
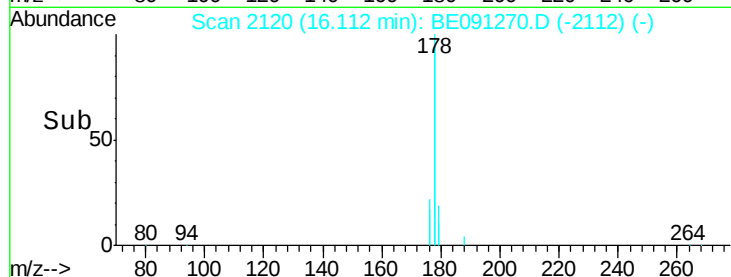
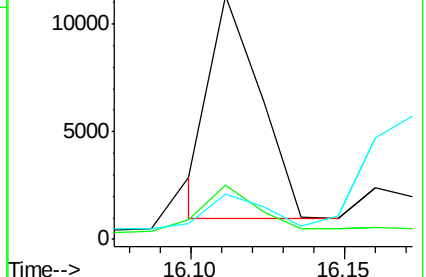
179 18.5 13.3 19.9



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/u1

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

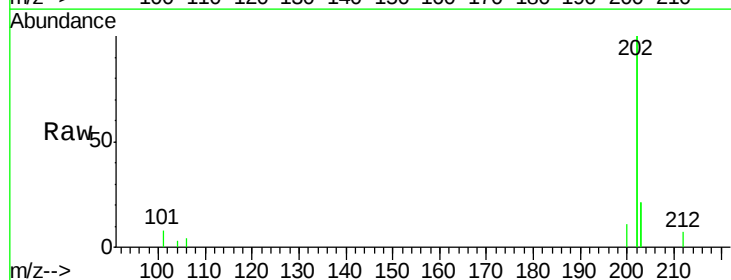
Tgt Ion:202 Resp: 23505

Ion Ratio Lower Upper

202 100

101 4.2 0.0 33.1

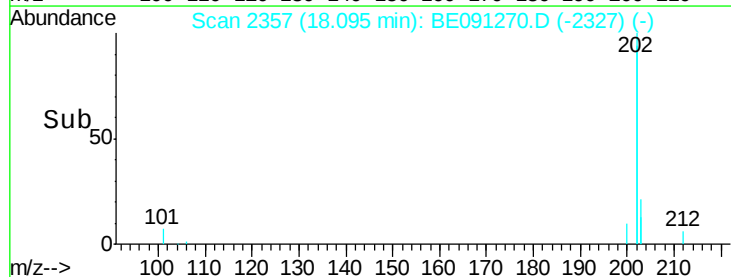
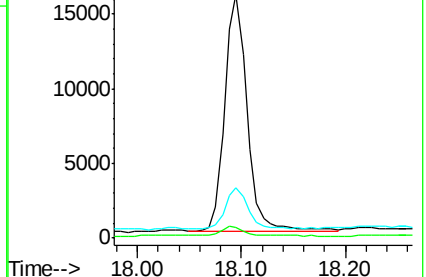
203 20.7 0.0 37.2

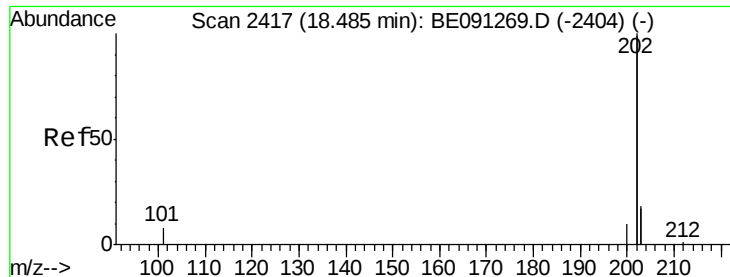


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.13 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

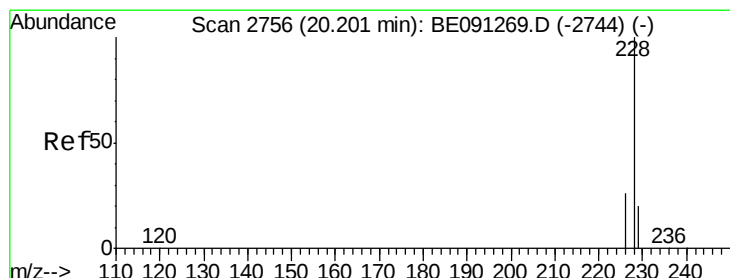
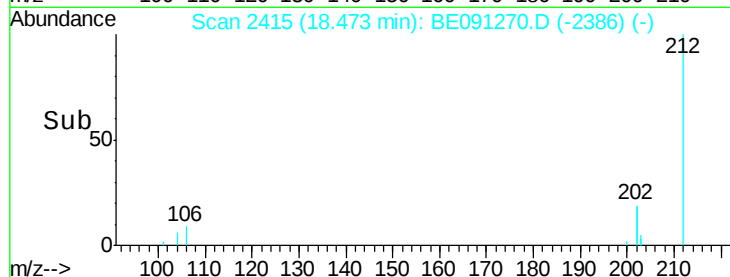
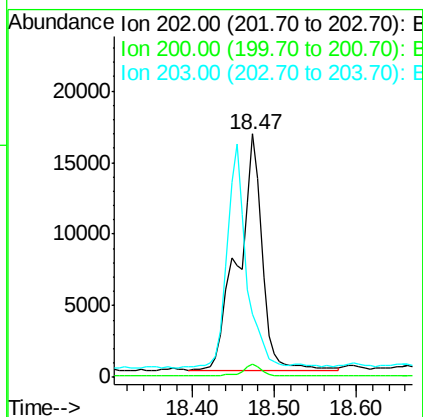
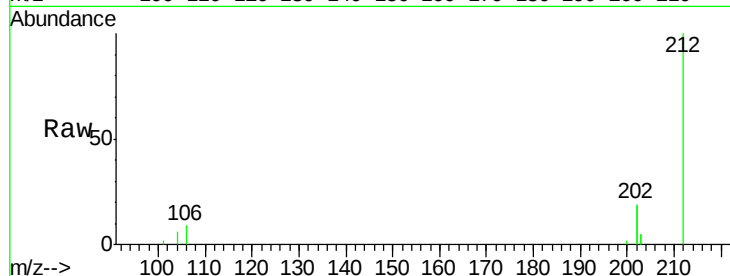
Tgt Ion:202 Resp: 33653

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

203 25.8 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

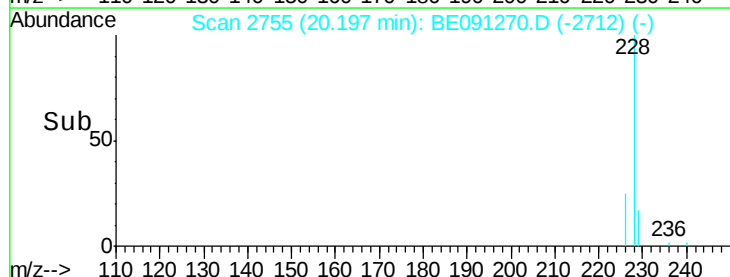
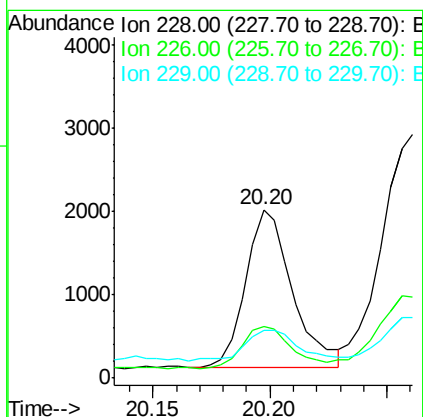
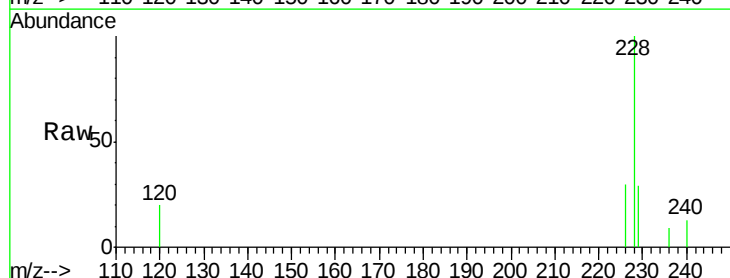
Tgt Ion:228 Resp: 2629

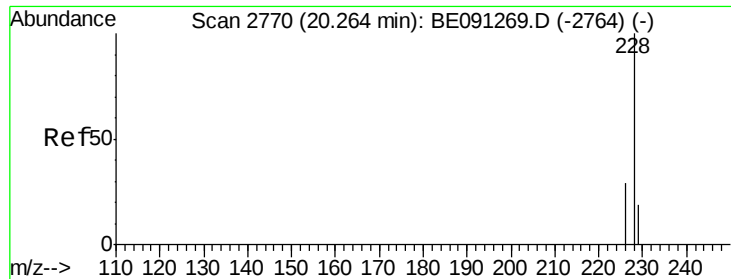
Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

229 28.6 15.2 22.8#





#21

Chrysene

Concen: 0.07 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

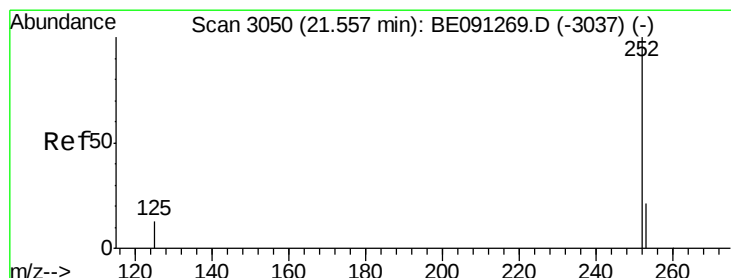
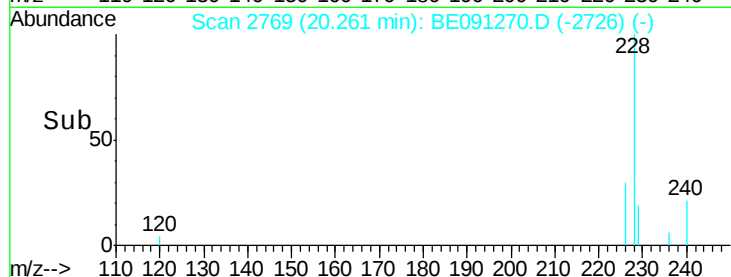
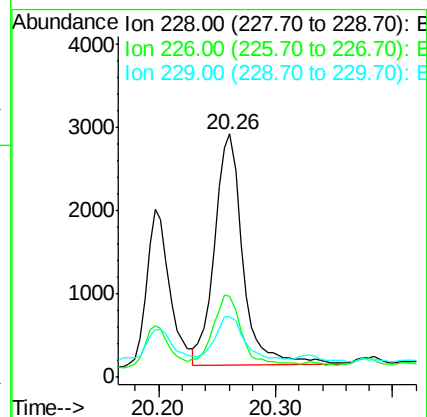
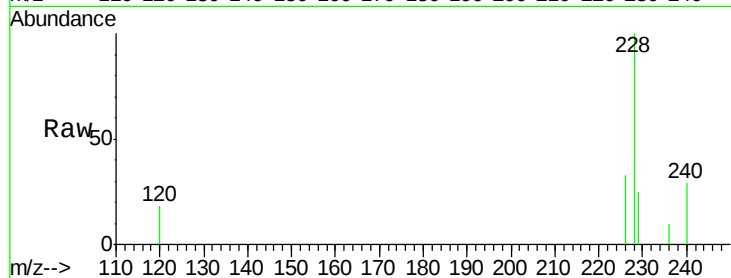
Tgt Ion:228 Resp: 4661

Ion Ratio Lower Upper

228 100

226 33.3 25.7 38.5

229 24.9 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

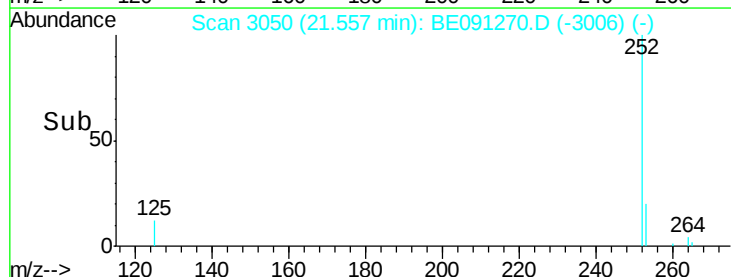
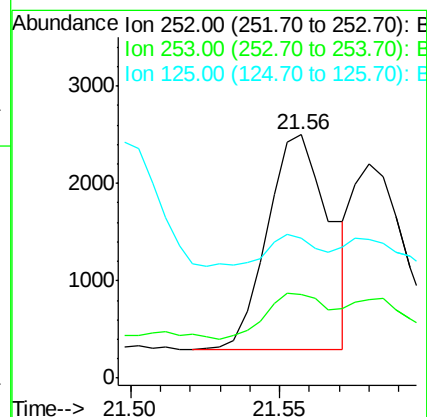
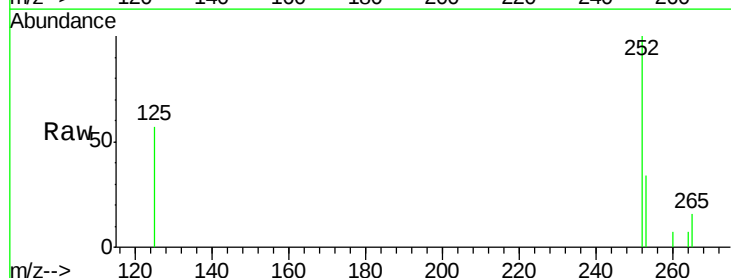
Tgt Ion:252 Resp: 3209

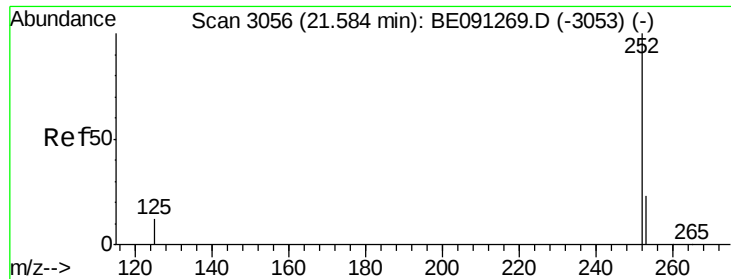
Ion Ratio Lower Upper

252 100

253 34.3 0.0 48.0

125 57.3 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 21.56 min Scan# 3050

Delta R.T. -0.03 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

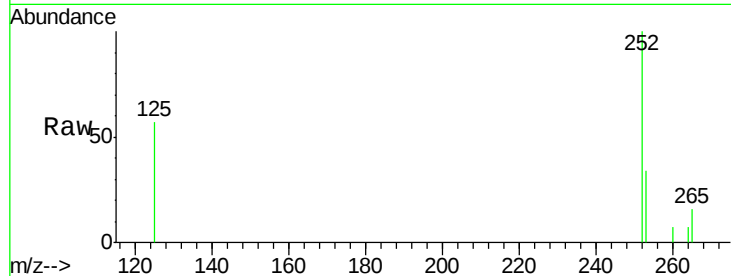
Tgt Ion:252 Resp: 3209

Ion Ratio Lower Upper

252 100

253 34.3 20.8 31.2#

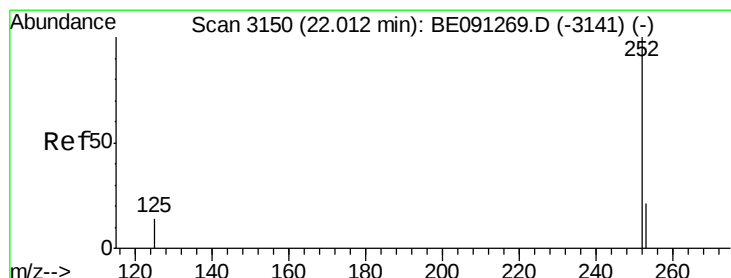
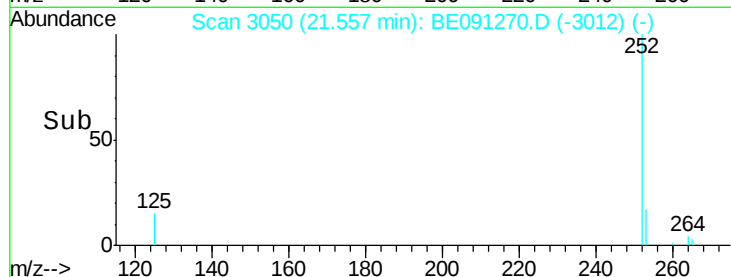
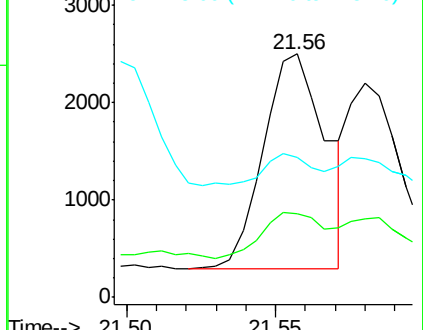
125 57.3 12.2 18.4#



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/u1

RT: 21.85 min Scan# 3114

Delta R.T. -0.16 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

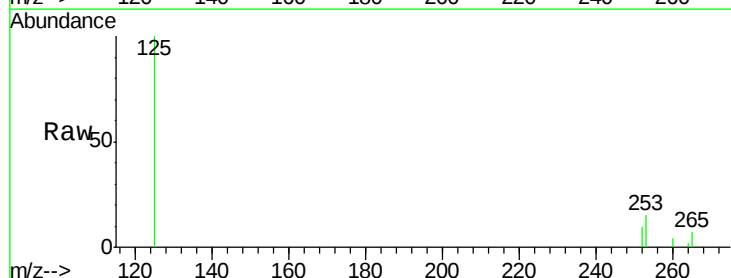
Tgt Ion:252 Resp: 564

Ion Ratio Lower Upper

252 100

253 143.1 21.8 32.8#

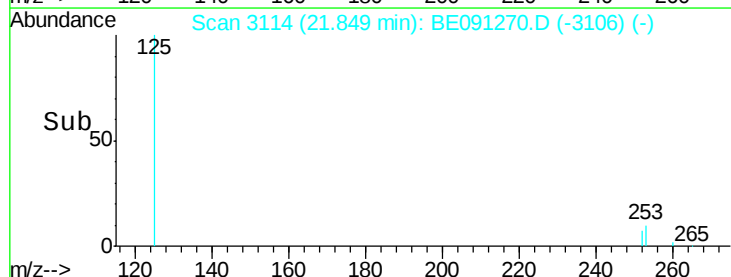
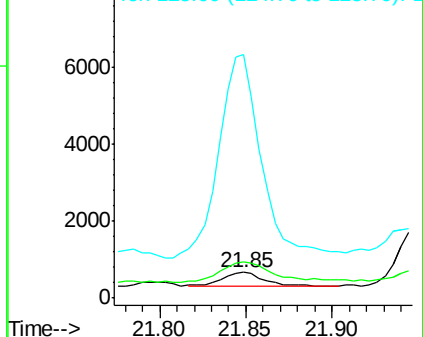
125 955.4 14.5 21.7#

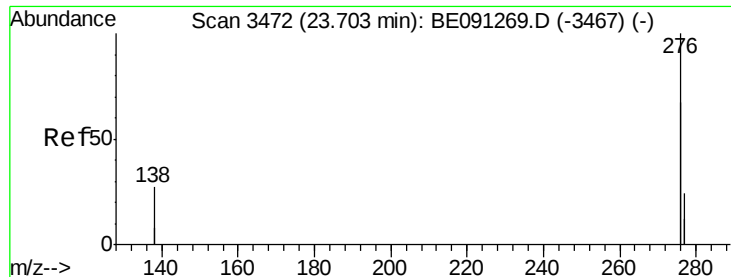


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.71 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

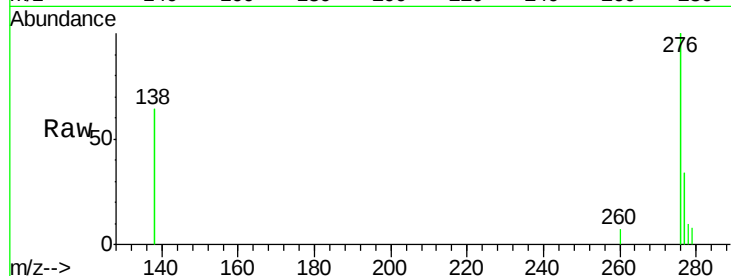
Tgt Ion:276 Resp: 5398

Ion Ratio Lower Upper

276 100

138 27.7 27.5 41.3

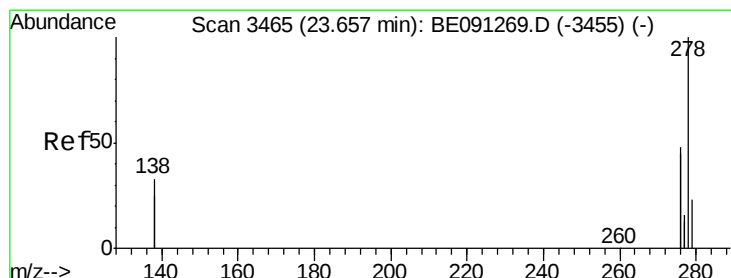
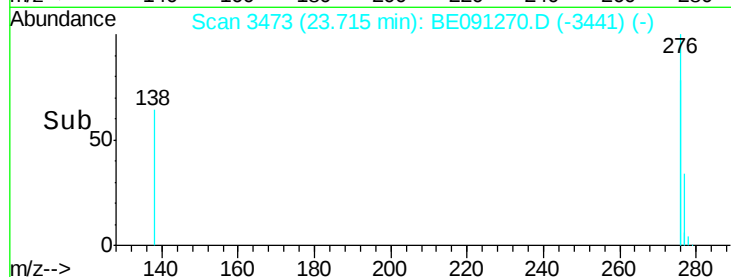
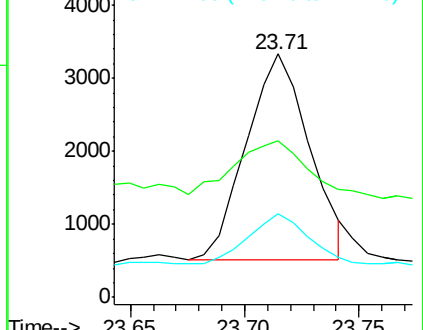
277 22.8 19.3 28.9



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: 23.53 min Scan# 3444

Delta R.T. -0.13 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

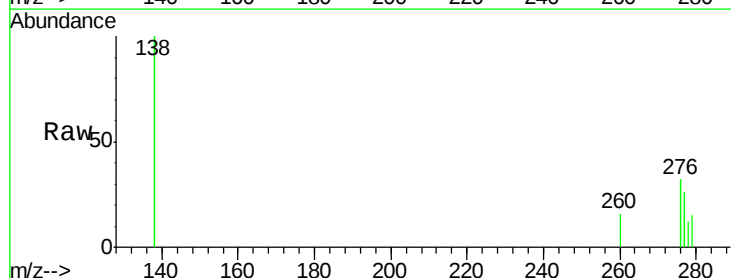
Tgt Ion:278 Resp: 30

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

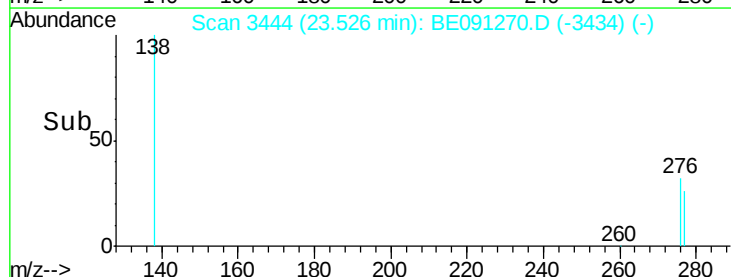
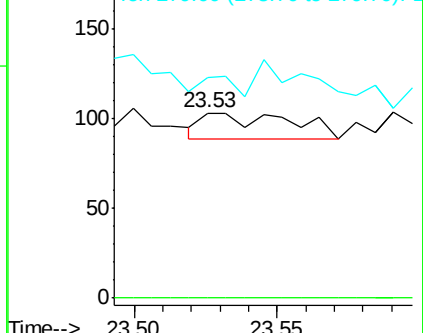
279 119.4 21.9 32.9#

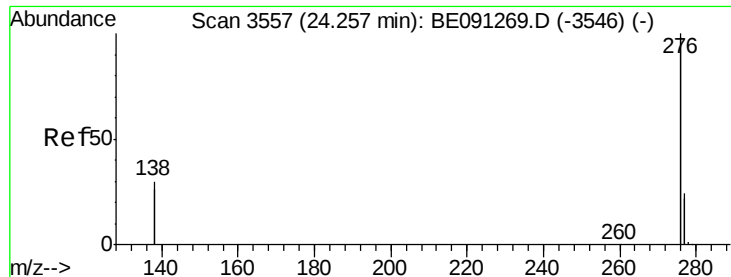


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.26 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BE091270.D

Acq: 21 Nov 2015 10:26

Instrument :

BNA_E

ClientSampleId :

D9KM9

Tgt Ion: 276 Resp: 7022

Ion Ratio Lower Upper

276 100

277 31.8 21.3 31.9

138 66.1 25.5 38.3

