

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120115\
 Data File : BE091324.D
 Acq On : 1 Dec 2015 12:57
 Operator : UM/NP
 Sample : SSTD0.293
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.293

Quant Time: Dec 01 14:25:49 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE120115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 14:20:21 2015
 Response via : Initial Calibration

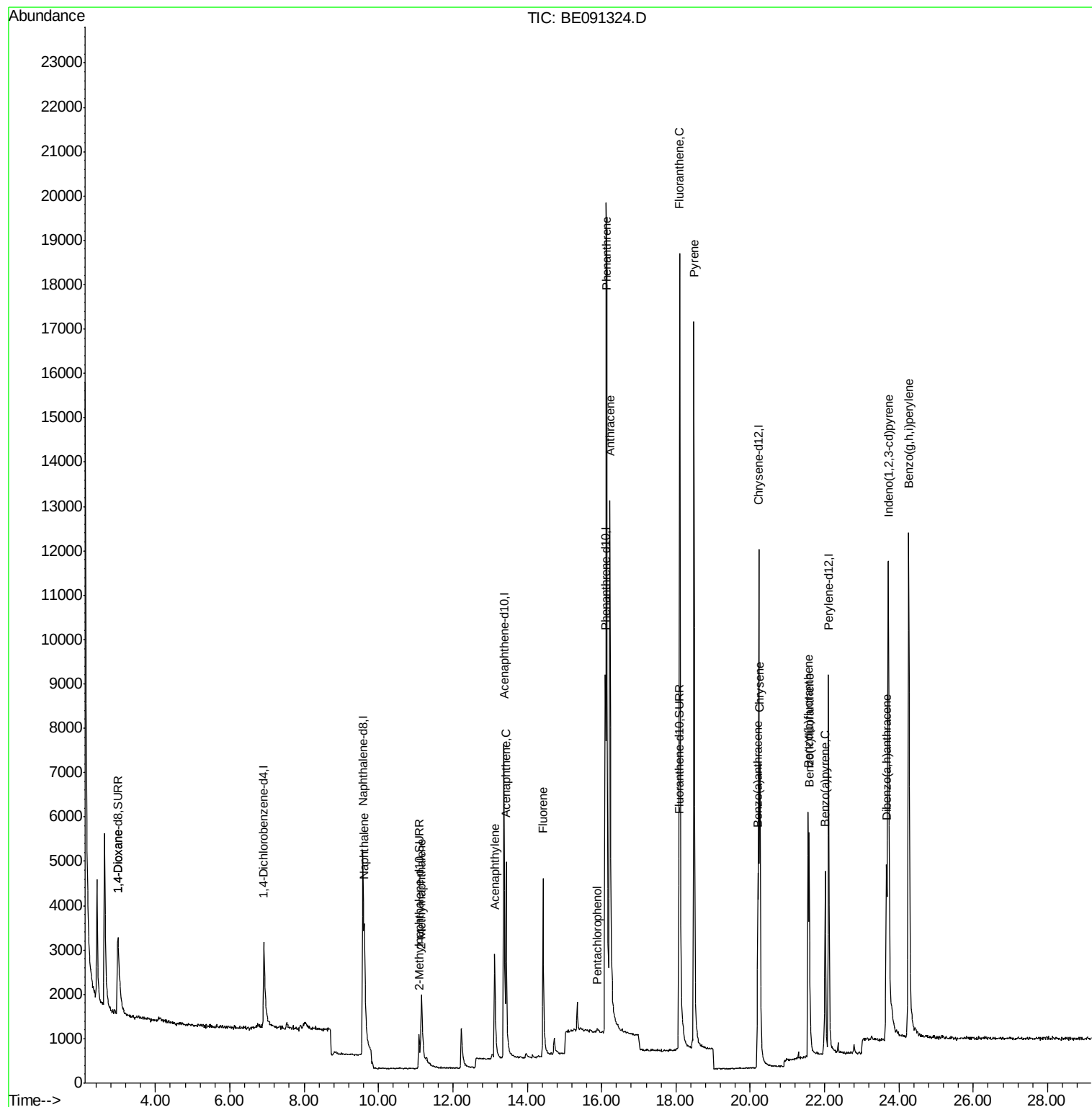
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2109	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	10143	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4581	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.10	188	13980	0.40	ng/ul	0.01
18) Chrysene-d12	20.23	240	12476	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	10573	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.98	96	1536	1.01	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.09	152	2045	0.15	ng/ul	0.01
16) Fluoranthene-d10	18.08	212	5526	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.99	88	1687	0.98	ng/ul#	62
5) Naphthalene	9.62	128	4295	0.17	ng/ul#	94
7) 2-Methylnaphthalene	11.16	142	2250	0.14	ng/ul	87
9) Acenaphthylene	13.12	152	4014	0.18	ng/ul	98
10) Acenaphthene	13.43	153	2898	0.18	ng/ul#	80
11) Fluorene	14.42	166	3698	0.18	ng/ul	94
13) Pentachlorophenol	15.88	266	162	0.13	ng/ul	90
14) Phenanthrene	16.12	178	27442	0.17	ng/ul	98
15) Anthracene	16.22	178	22661	0.16	ng/ul	97
17) Fluoranthene	18.10	202	27398	0.15	ng/ul	88
19) Pyrene	18.49	202	23878	0.17	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	4585	0.15	ng/ul	99
21) Chrysene	20.27	228	7047	0.19	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	5298	0.16	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	6529	0.19	ng/ul	96
25) Benzo(a)pyrene	22.02	252	5608	0.18	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	23.72	276	23482	0.19	ng/ul#	84
27) Dibenzo(a,h)anthracene	23.66	278	4063	0.14	ng/ul#	73
28) Benzo(g,h,i)perylene	24.26	276	21750	0.16	ng/ul	98

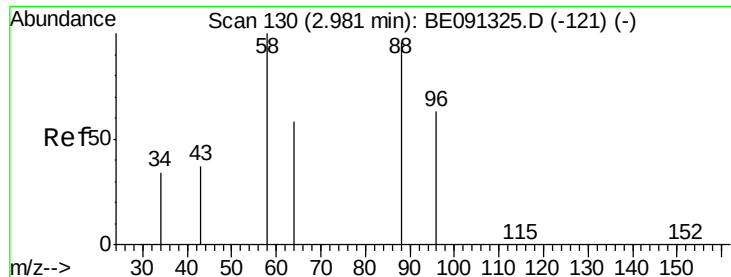
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.98 ng/ul

RT: 2.99 min Scan# 132

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

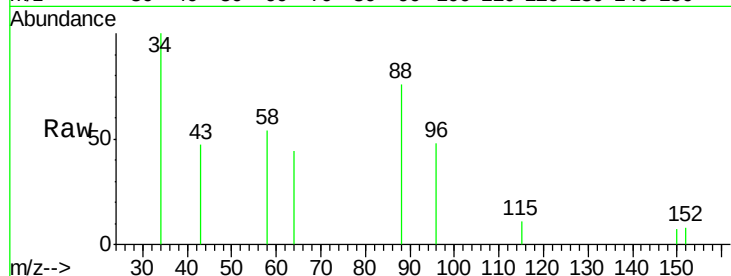
Tot Ion: 88 Resp: 1687

Ion Ratio Lower Upper

88 100

58 101.5 55.4 83.2#

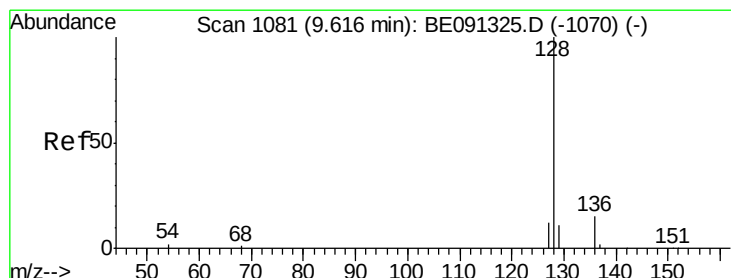
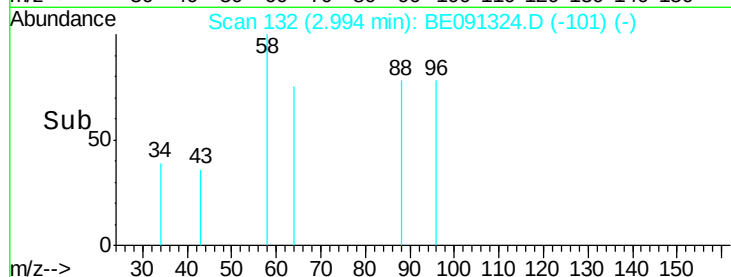
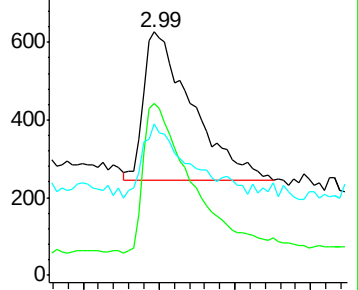
43 48.4 24.2 36.2#



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: 0.17 ng/ul

RT: 9.62 min Scan# 1082

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

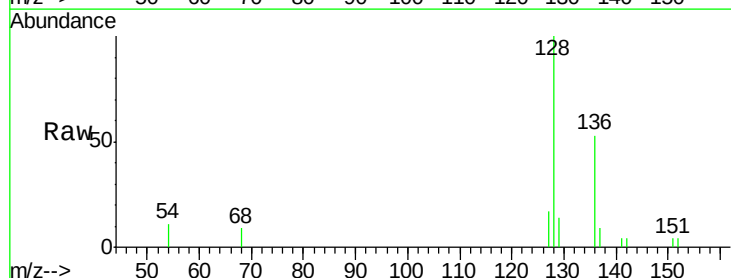
Tgt Ion: 128 Resp: 4295

Ion Ratio Lower Upper

128 100

129 13.8 9.8 14.8

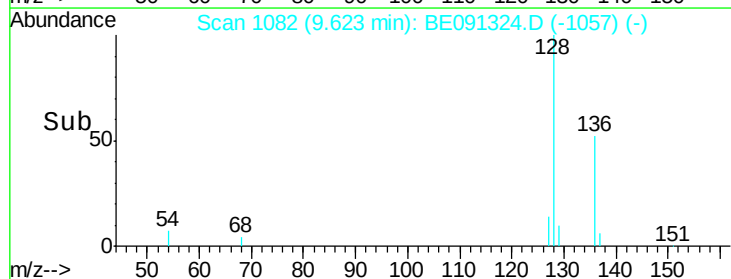
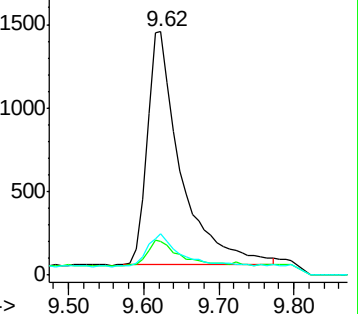
127 16.7 10.7 16.1#

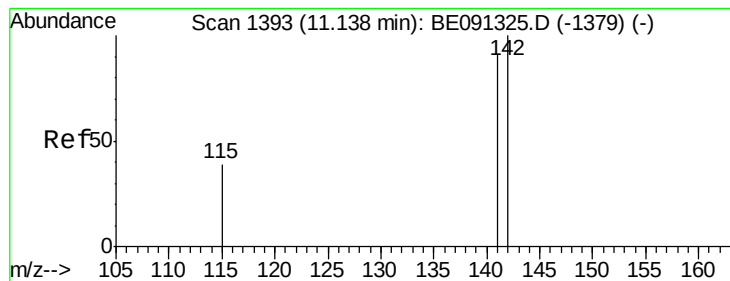


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.14 ng/ul

RT: 11.16 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

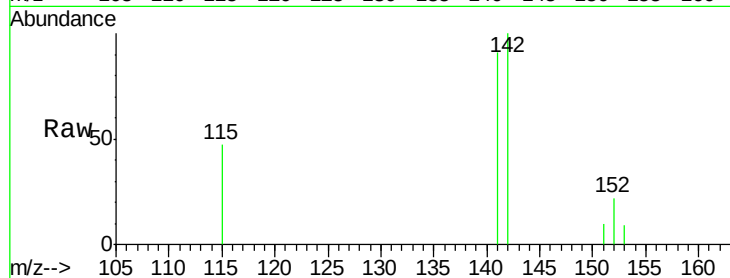
SSTD0.293

Tot Ion:142 Resp: 2250

Ion Ratio Lower Upper

142 100

141 99.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.16

800

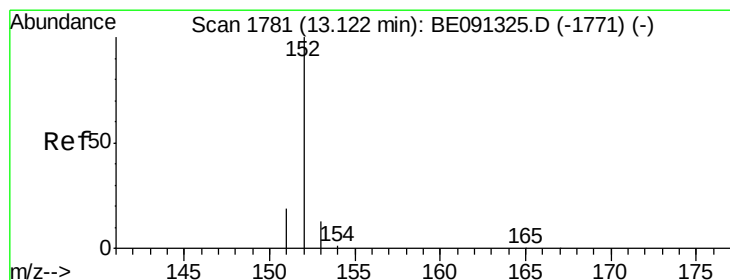
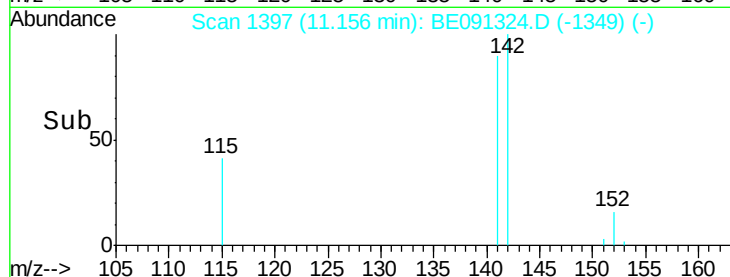
600

400

200

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

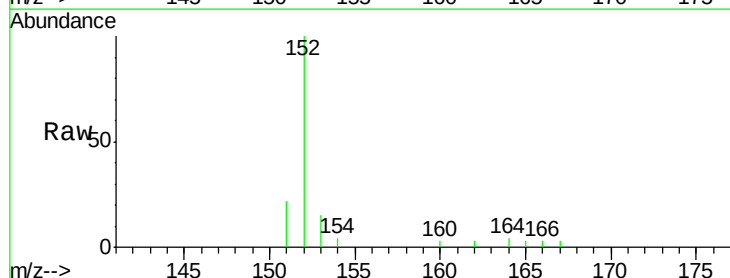
Tgt Ion:152 Resp: 4014

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

153 15.1 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

13.12

2500

2000

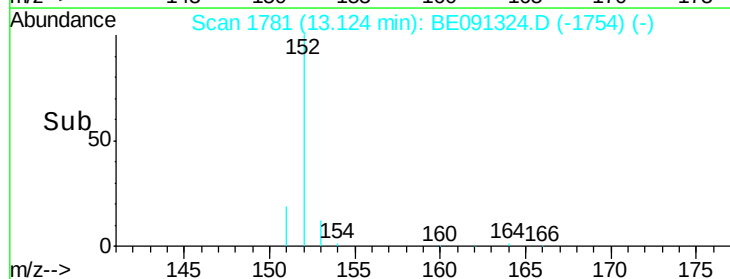
1500

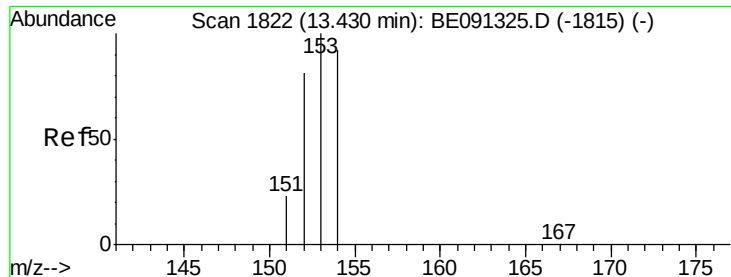
1000

500

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.18 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

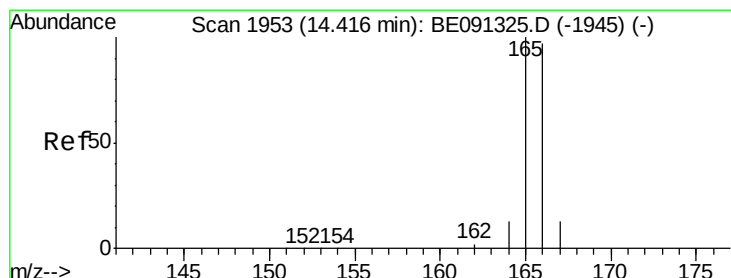
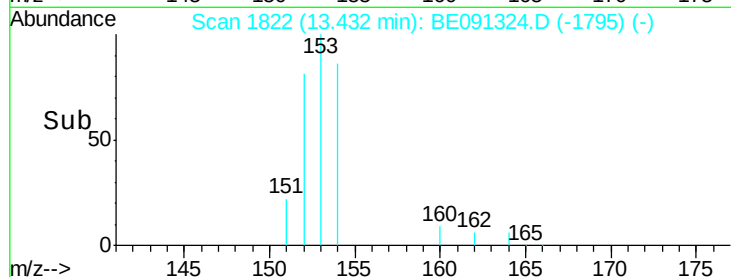
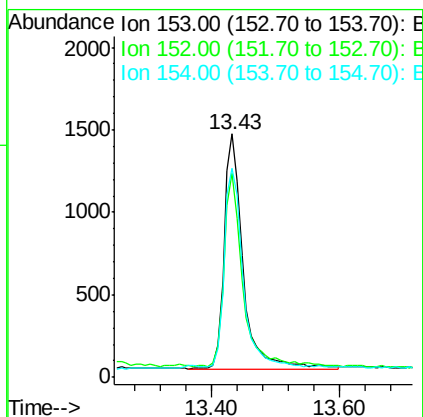
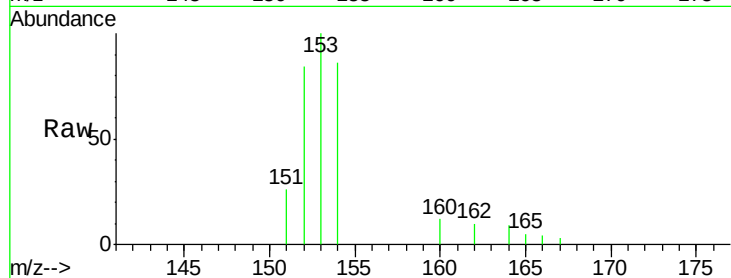
Tot Ion:153 Resp: 2898

Ion Ratio Lower Upper

153 100

152 83.6 42.3 63.5#

154 85.6 64.7 97.1



#11

Fluorene

Concen: 0.18 ng/ul

RT: 14.42 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

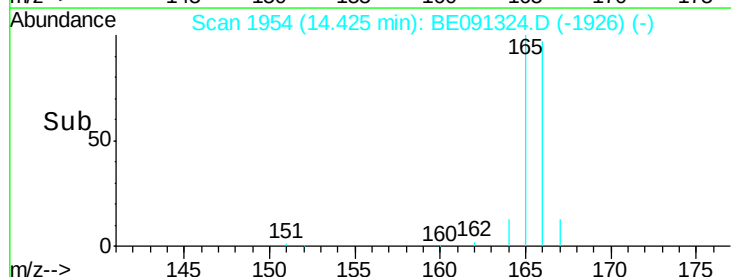
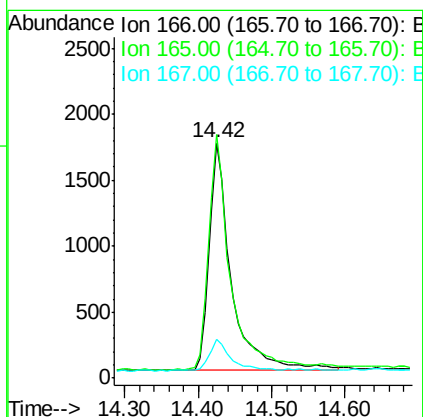
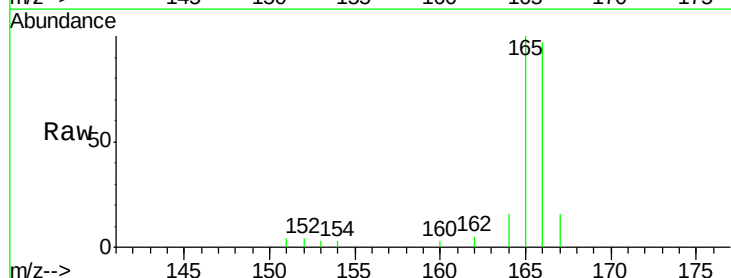
Tgt Ion:166 Resp: 3698

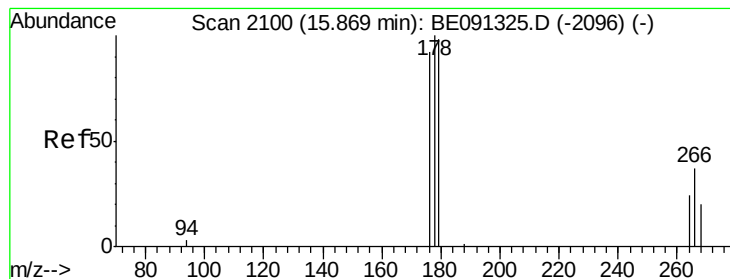
Ion Ratio Lower Upper

166 100

165 103.5 87.6 131.4

167 16.5 11.1 16.7





#13

Pentachlorophenol

Concen: 0.13 ng/ul

RT: 15.88 min Scan# 2101

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

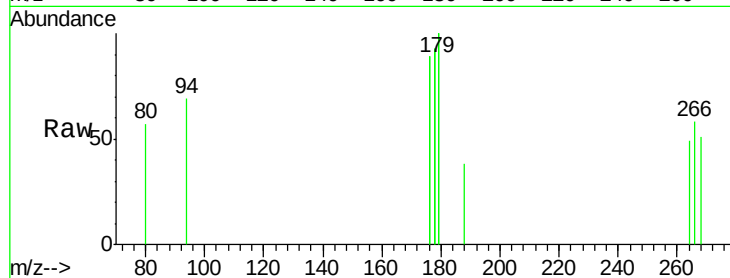
Tot Ion:266 Resp: 162

Ion Ratio Lower Upper

266 100

264 56.8 53.5 80.3

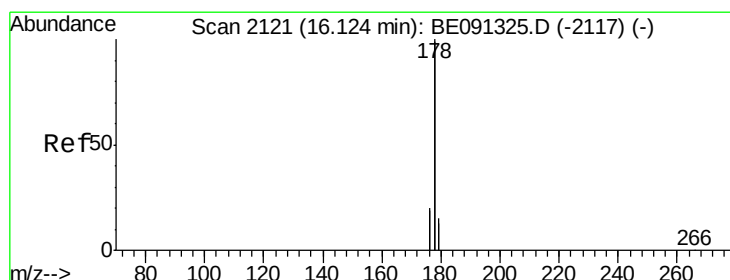
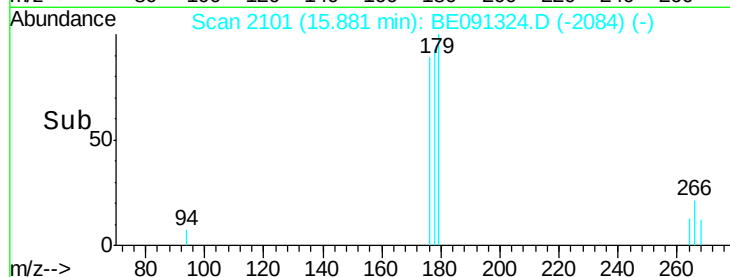
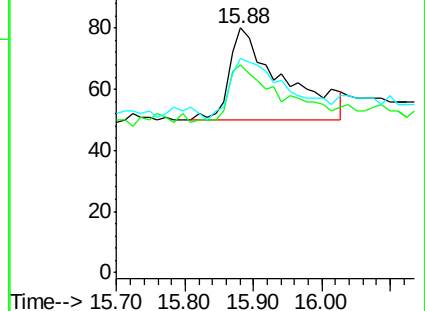
268 73.5 54.2 81.2



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: 0.17 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

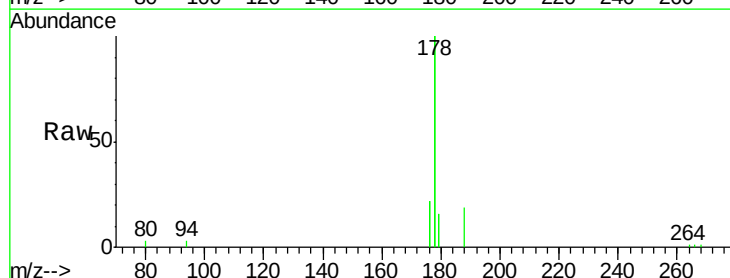
Tgt Ion:178 Resp: 27442

Ion Ratio Lower Upper

178 100

176 21.8 16.2 24.4

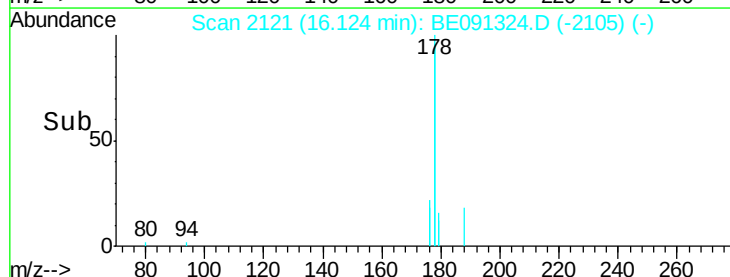
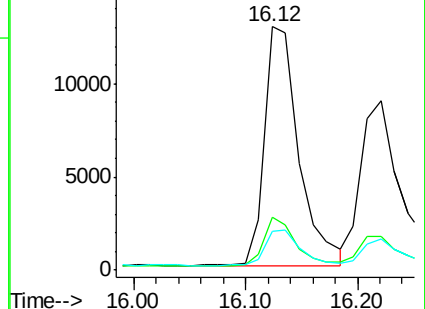
179 16.1 12.8 19.2

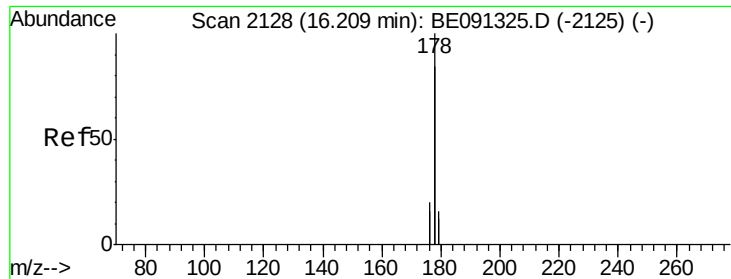


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.16 ng/ul

RT: 16.22 min Scan# 2129

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

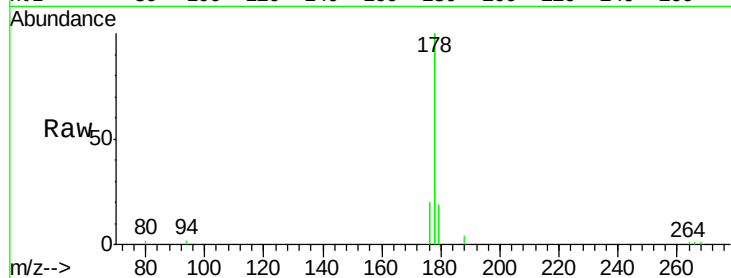
Tot Ion:178 Resp: 22661

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

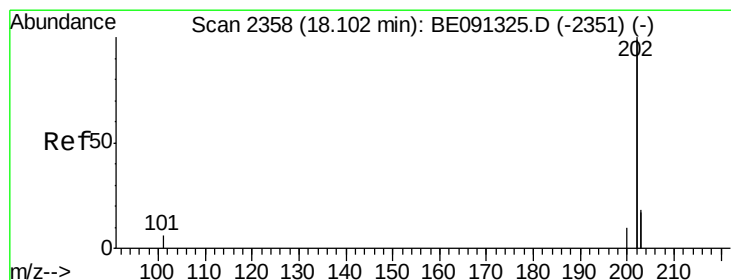
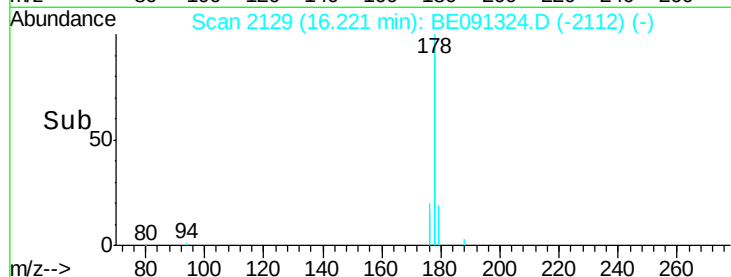
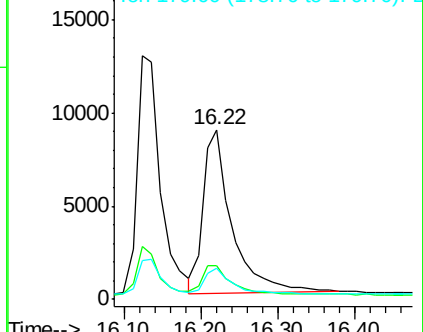
179 18.6 13.3 19.9



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: 0.15 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. -0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

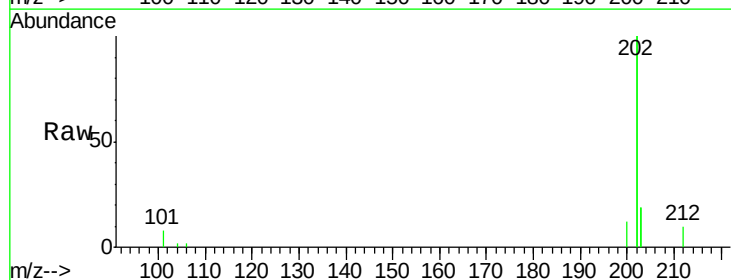
Tgt Ion:202 Resp: 27398

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

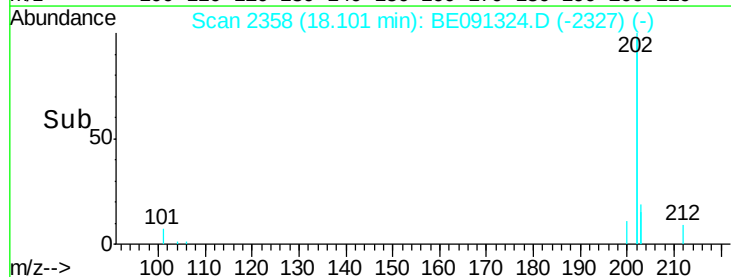
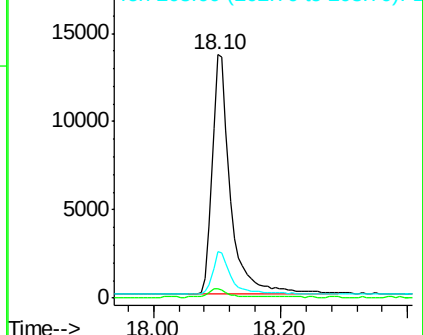
203 18.9 0.0 37.2

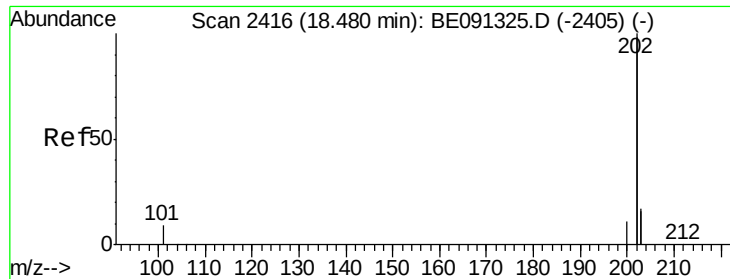


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.17 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

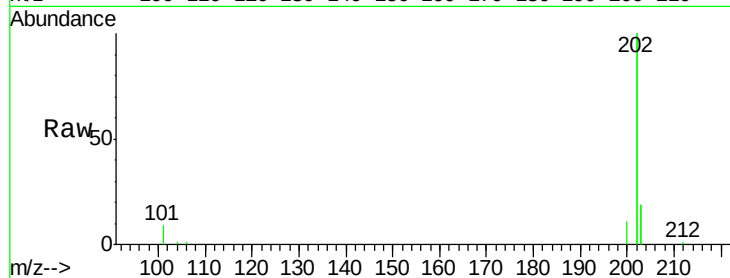
Tot Ion:202 Resp: 23878

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

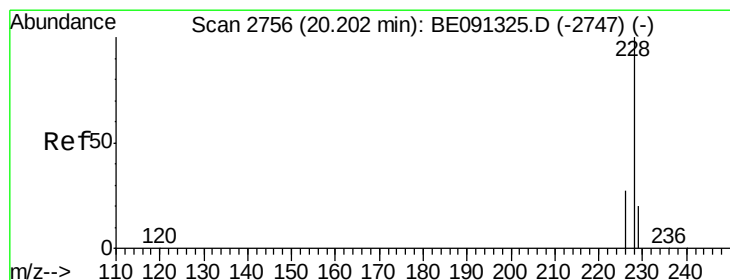
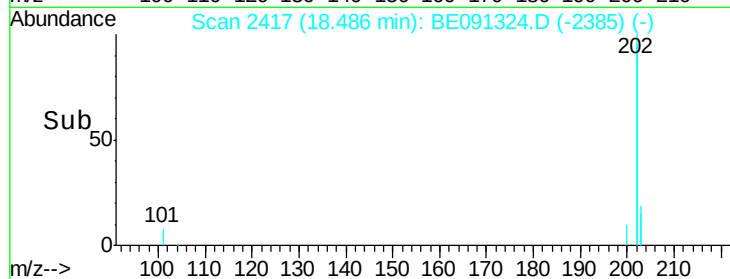
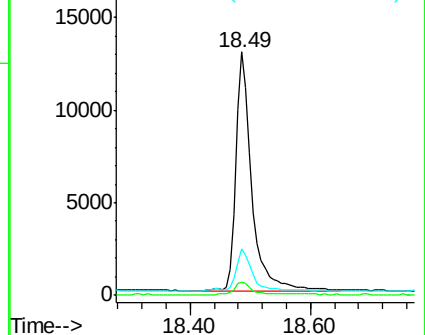
203 18.9 13.8 20.6



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: 0.15 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

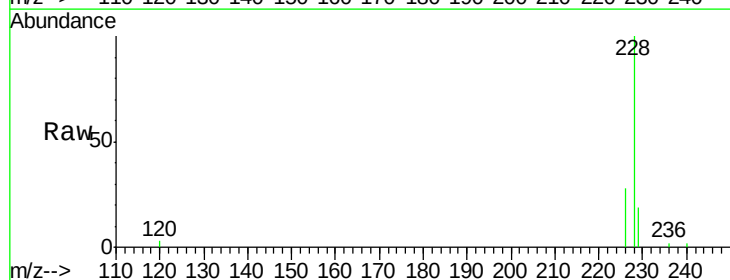
Tgt Ion:228 Resp: 4585

Ion Ratio Lower Upper

228 100

226 27.9 23.0 34.4

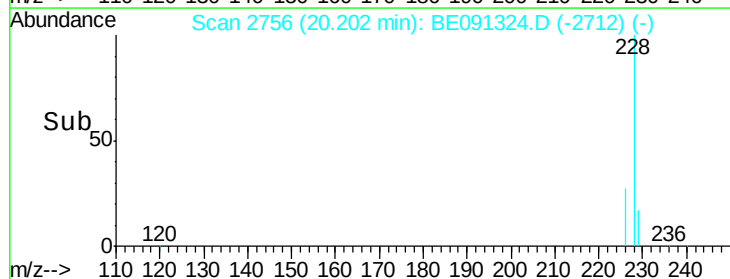
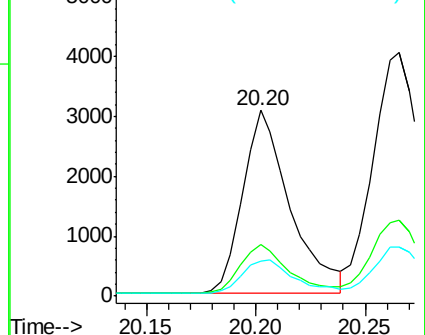
229 18.6 15.2 22.8

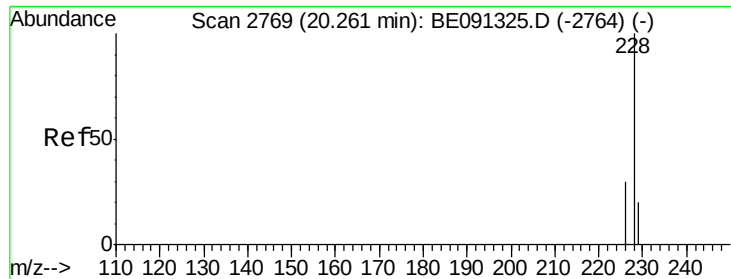


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.19 ng/ul

RT: 20.27 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

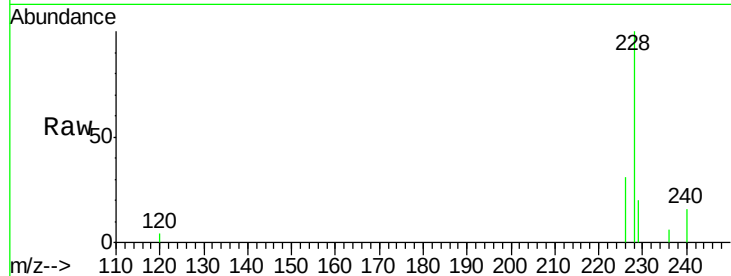
Tot Ion:228 Resp: 7047

Ion Ratio Lower Upper

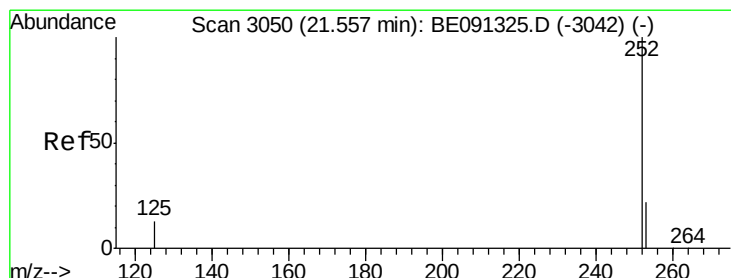
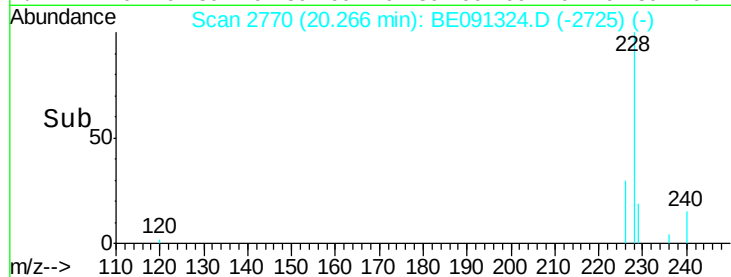
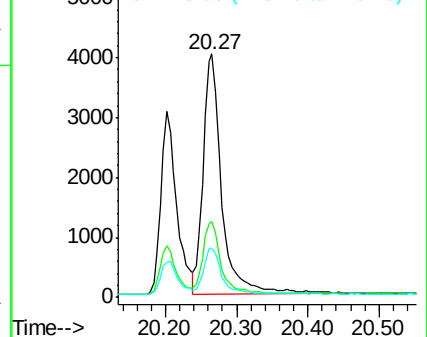
228 100

226 31.4 25.7 38.5

229 20.3 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: 0.16 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

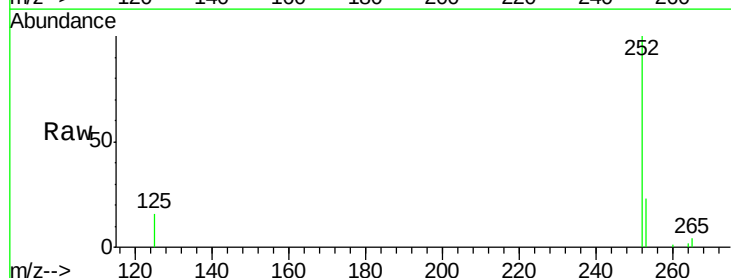
Tgt Ion:252 Resp: 5298

Ion Ratio Lower Upper

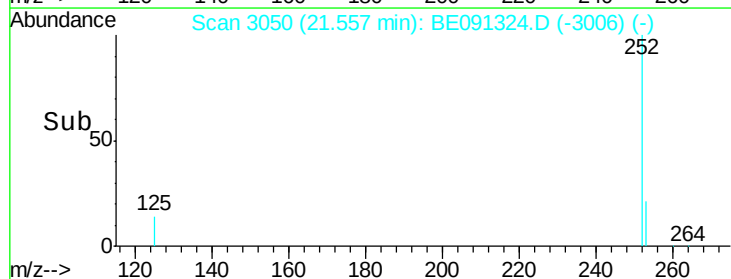
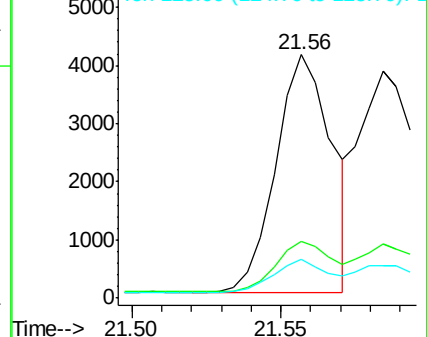
252 100

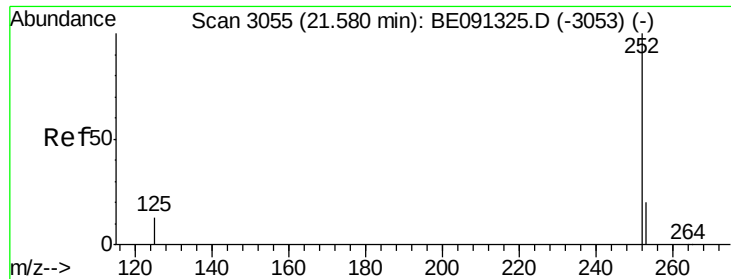
253 23.3 0.0 48.0

125 15.9 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: 0.19 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

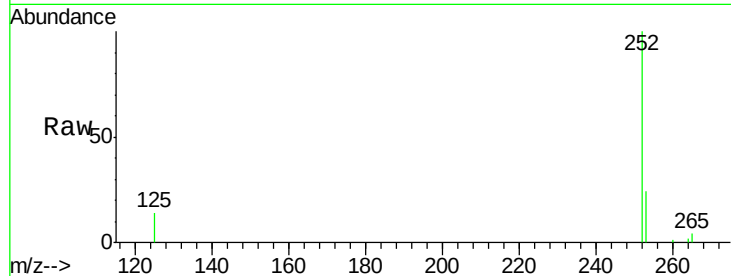
Tot Ion:252 Resp: 6529

Ion Ratio Lower Upper

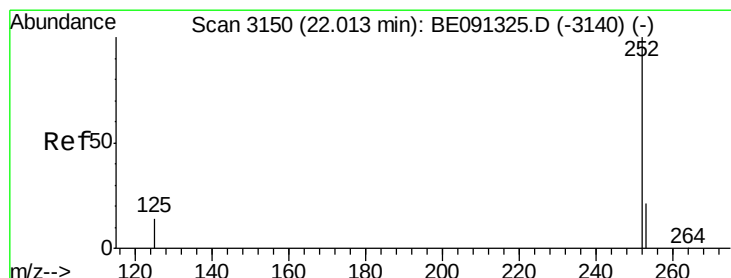
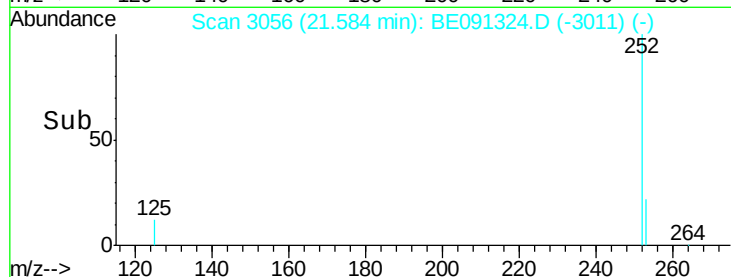
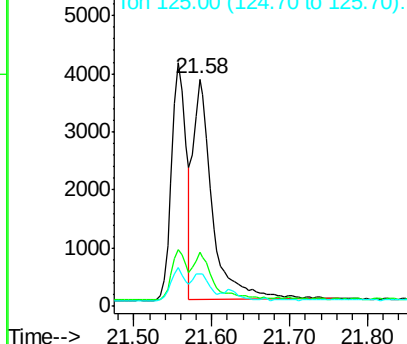
252 100

253 23.9 20.8 31.2

125 14.1 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: 0.18 ng/ul

RT: 22.02 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

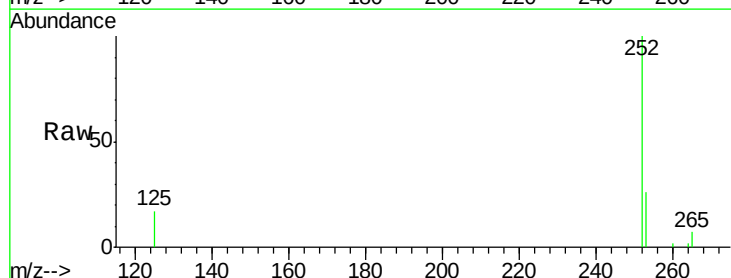
Tgt Ion:252 Resp: 5608

Ion Ratio Lower Upper

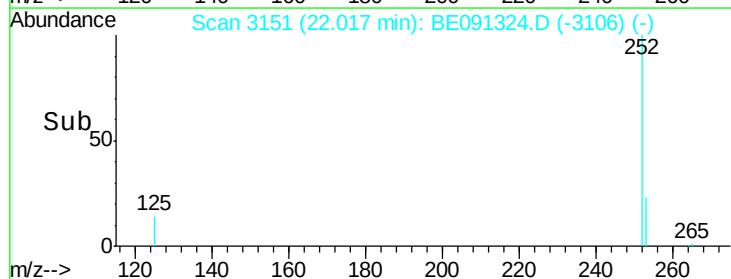
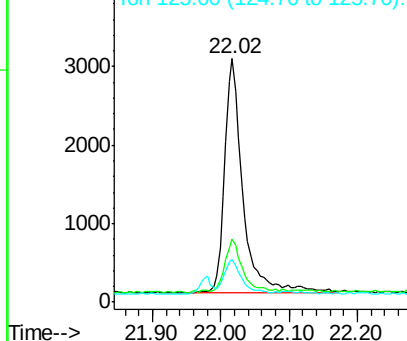
252 100

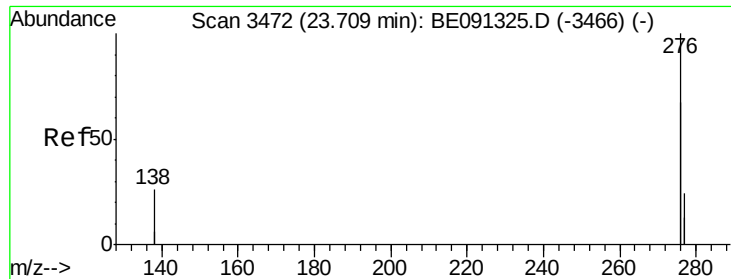
253 26.0 21.8 32.8

125 17.5 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

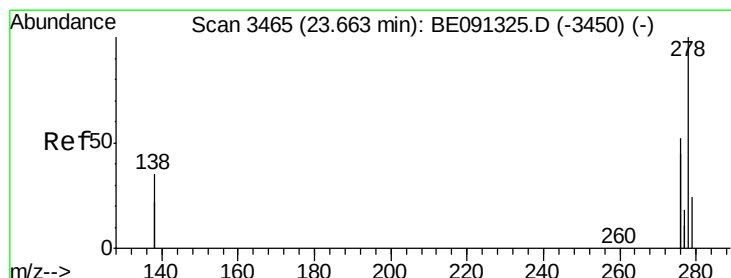
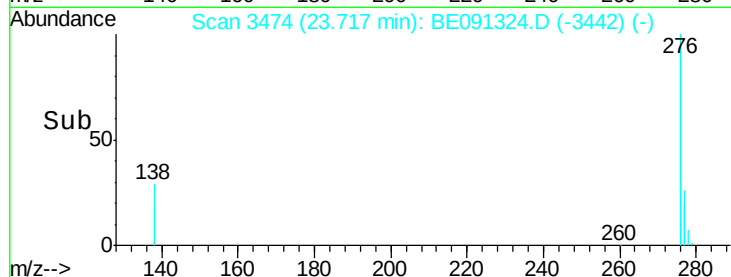
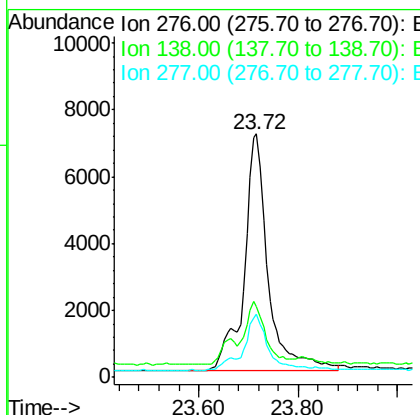
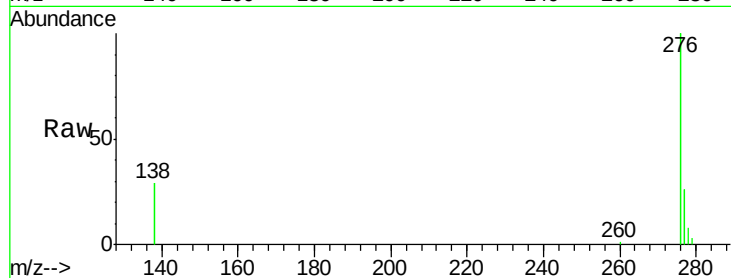




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.19 ng/ul
 RT: 23.72 min Scan# 3474
 Delta R.T. 0.01 min
 Lab File: BE091324.D
 Acq: 1 Dec 2015 12:57

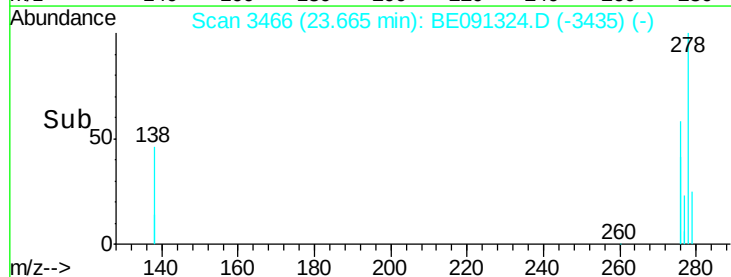
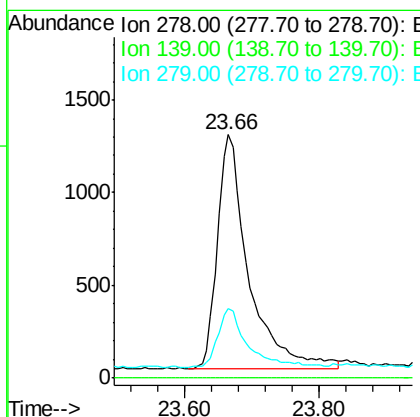
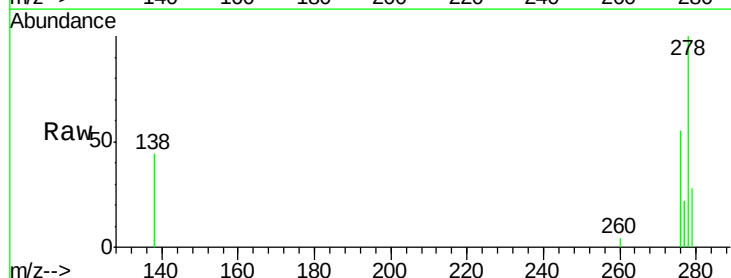
Instrument :
 BNA_E
 ClientSampleId :
 SST0.293

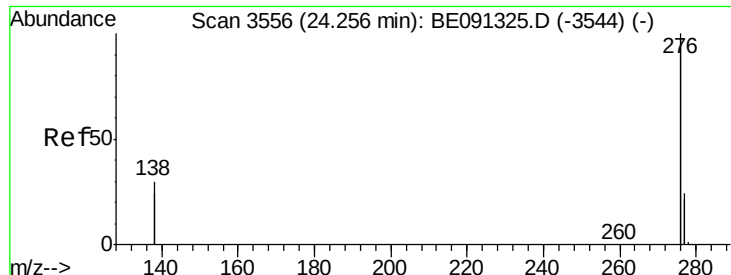
Tot Ion:276 Resp: 23482
 Ion Ratio Lower Upper
 276 100
 138 21.6 27.5 41.3#
 277 20.1 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng/ul
 RT: 23.66 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: BE091324.D
 Acq: 1 Dec 2015 12:57

Tgt Ion:278 Resp: 4063
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 28.4 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.16 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091324.D

Acq: 1 Dec 2015 12:57

Instrument :

BNA_E

ClientSampleId :

SSTD0.293

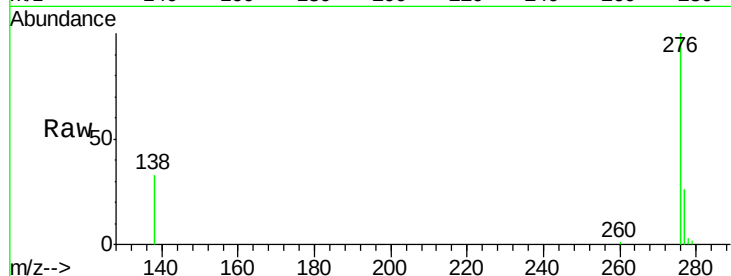
Tot Ion:276 Resp: 21750

Ion Ratio Lower Upper

276 100

277 25.6 21.3 31.9

138 32.8 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

