

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120115\
 Data File : BE091325.D
 Acq On : 1 Dec 2015 13:33
 Operator : UM/NP
 Sample : SSTD0.494
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.494

Quant Time: Dec 01 14:23:26 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

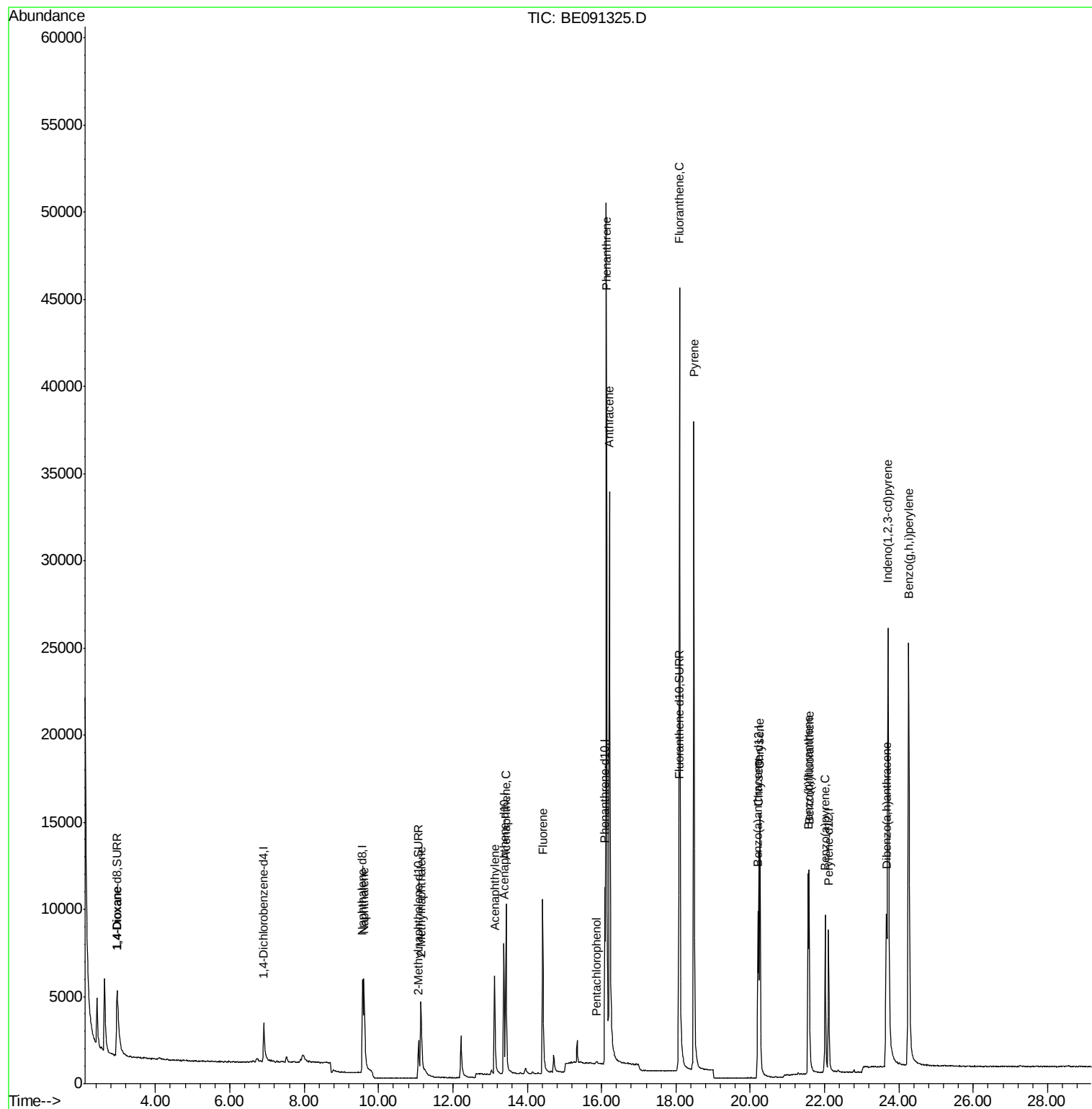
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	2062	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	9919	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4290	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13477	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	12175	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	9694	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	3206	2.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	4441	0.34	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	11922	0.32	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	2.98	88	3538	2.10	ng/ul#	66
5) Naphthalene	9.62	128	9406	0.39	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	5058	0.33	ng/ul	88
9) Acenaphthylene	13.12	152	8633	0.40	ng/ul	99
10) Acenaphthene	13.43	153	6109	0.41	ng/ul#	76
11) Fluorene	14.42	166	8386	0.44	ng/ul	95
13) Pentachlorophenol	15.87	266	224	0.19	ng/ul	90
14) Phenanthrene	16.12	178	58402	0.38	ng/ul	98
15) Anthracene	16.21	178	49734	0.36	ng/ul	99
17) Fluoranthene	18.10	202	61337	0.34	ng/ul	88
19) Pyrene	18.48	202	51743	0.38	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	9719	0.32	ng/ul	97
21) Chrysene	20.26	228	15098	0.42	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	12689	0.42	ng/ul	95
24) Benzo(k)fluoranthene	21.58	252	13002	0.42	ng/ul	94
25) Benzo(a)pyrene	22.01	252	11724	0.42	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.71	276	50883	0.44	ng/ul#	84
27) Dibenzo(a,h)anthracene	23.66	278	8812	0.33	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	46981	0.39	ng/ul	95

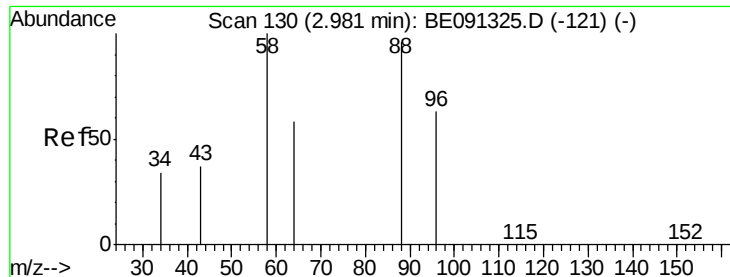
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.10 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

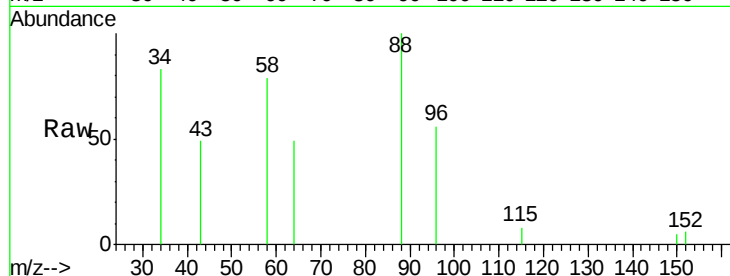
Tot Ion: 88 Resp: 3538

Ion Ratio Lower Upper

88 100

58 102.4 55.4 83.2#

43 40.2 24.2 36.2#

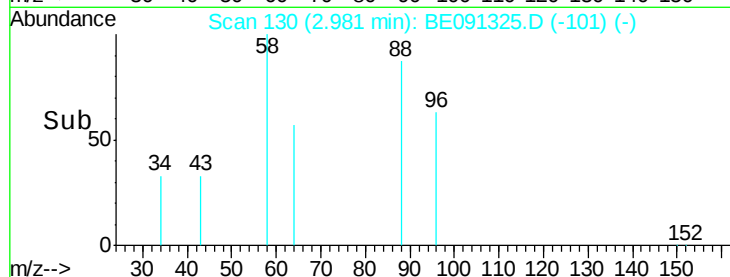


Abundance Ion 88.00 (87.70 to 88.70): BE091325.D (-121) (-)

Ion 58.00 (57.70 to 58.70): BE091325.D (-121) (-)

Ion 43.00 (42.70 to 43.70): BE091325.D (-121) (-)

Time-->

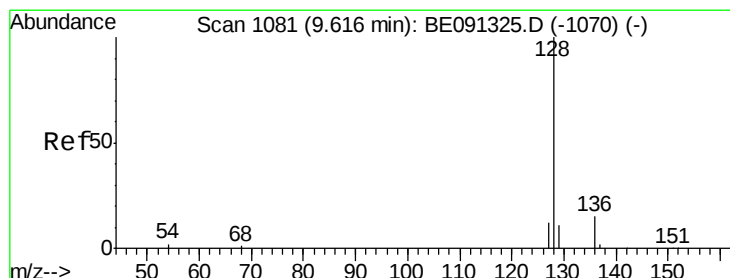


Abundance Ion 88.00 (87.70 to 88.70): BE091325.D (-101) (-)

Ion 58.00 (57.70 to 58.70): BE091325.D (-101) (-)

Ion 43.00 (42.70 to 43.70): BE091325.D (-101) (-)

Time-->



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.62 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

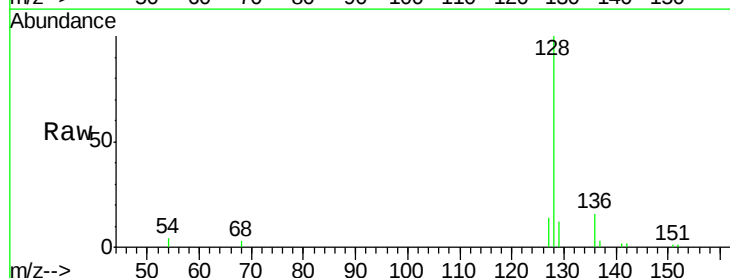
Tgt Ion: 128 Resp: 9406

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

127 13.8 10.7 16.1

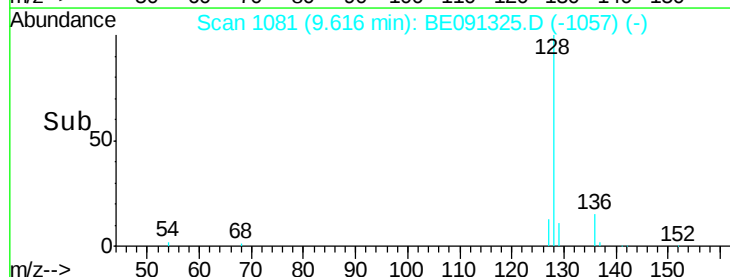


Abundance Ion 128.00 (127.70 to 128.70): BE091325.D (-1070) (-)

Ion 129.00 (128.70 to 129.70): BE091325.D (-1070) (-)

Ion 127.00 (126.70 to 127.70): BE091325.D (-1070) (-)

Time-->

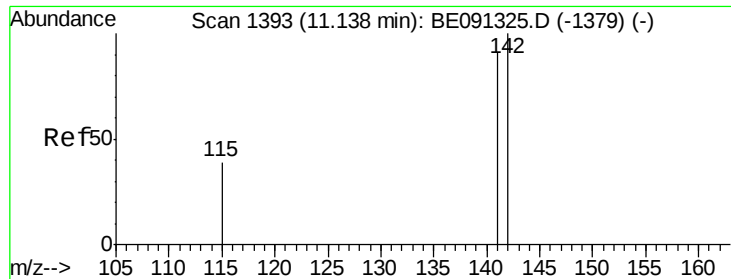


Abundance Ion 128.00 (127.70 to 128.70): BE091325.D (-1057) (-)

Ion 129.00 (128.70 to 129.70): BE091325.D (-1057) (-)

Ion 127.00 (126.70 to 127.70): BE091325.D (-1057) (-)

Time-->



#7

2-Methylnaphthalene

Concen: 0.33 ng/ul

RT: 11.14 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

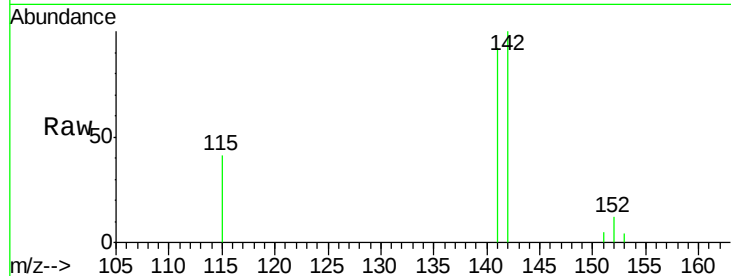
SSTD0.494

Tot Ion:142 Resp: 5058

Ion Ratio Lower Upper

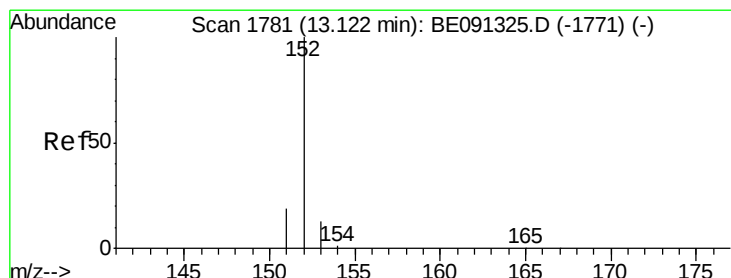
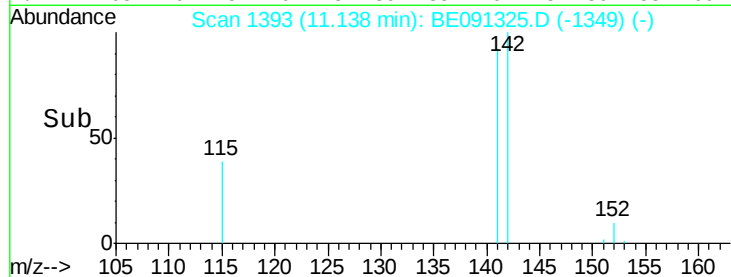
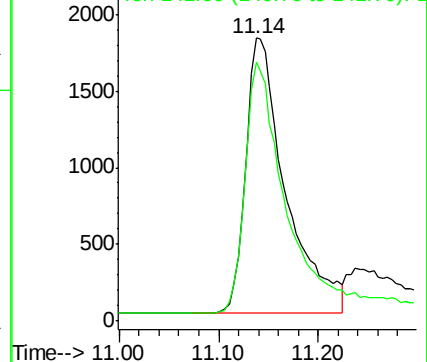
142 100

141 99.2 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: 0.40 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

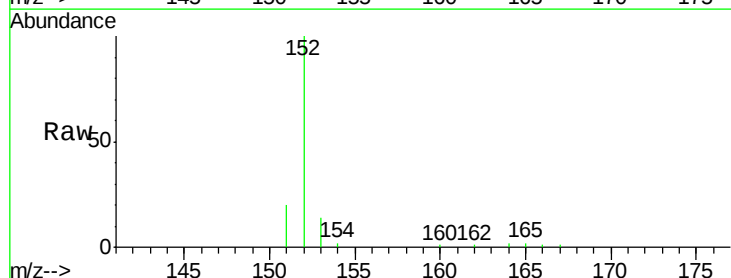
Tgt Ion:152 Resp: 8633

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

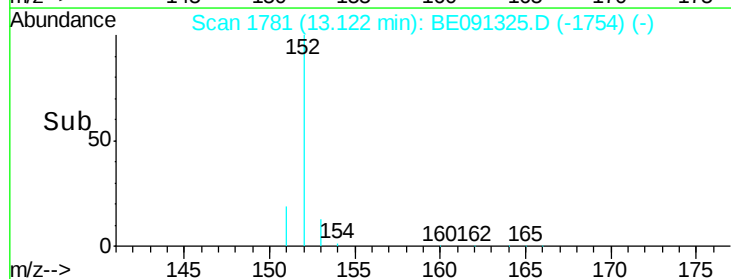
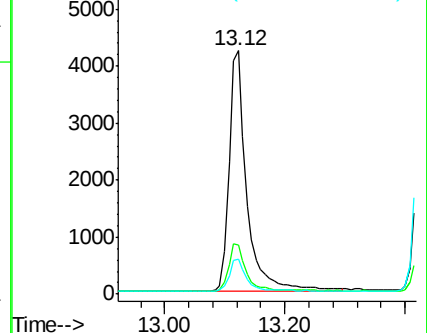
153 14.4 11.3 16.9

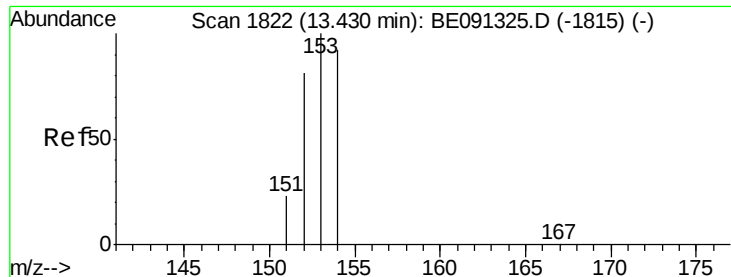


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

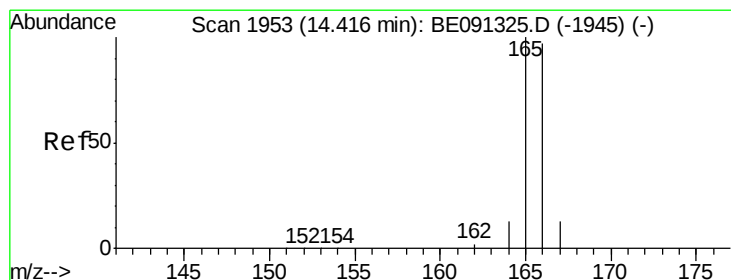
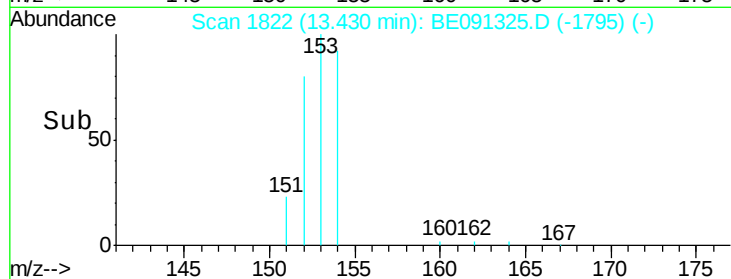
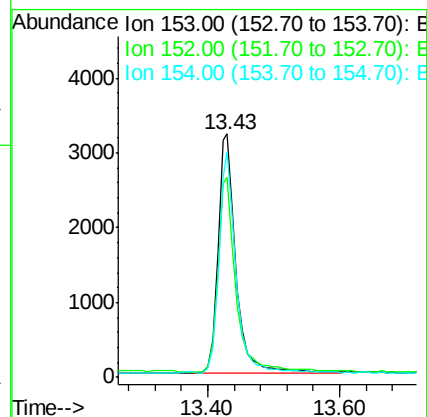
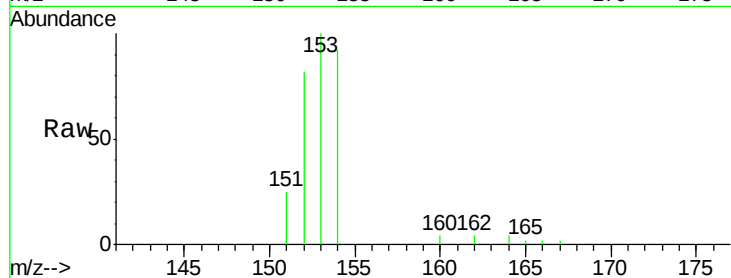
Tot Ion:153 Resp: 6109

Ion Ratio Lower Upper

153 100

152 82.1 42.3 63.5#

154 92.5 64.7 97.1



#11

Fluorene

Concen: 0.44 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

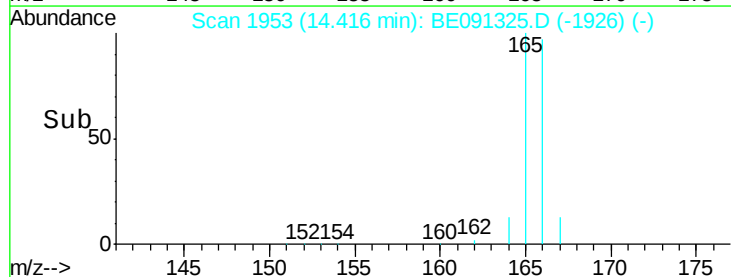
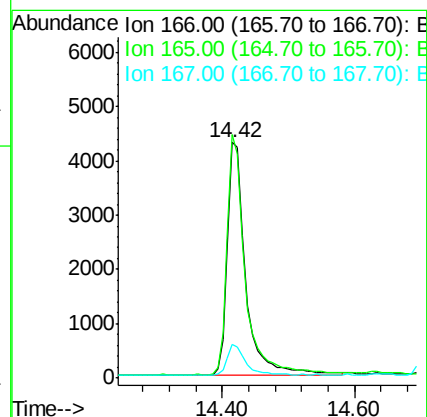
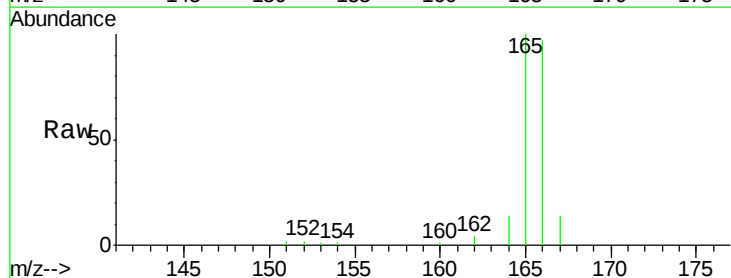
Tgt Ion:166 Resp: 8386

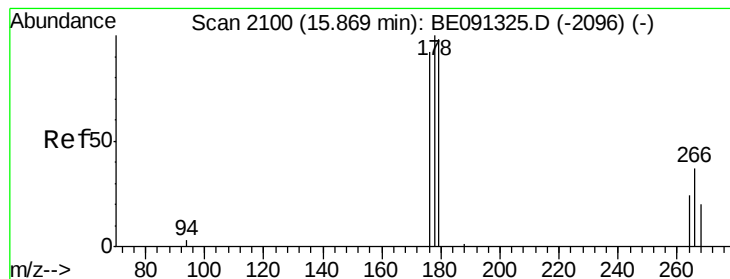
Ion Ratio Lower Upper

166 100

165 103.3 87.6 131.4

167 14.2 11.1 16.7

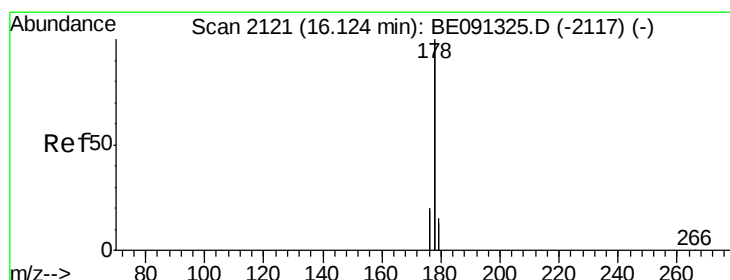
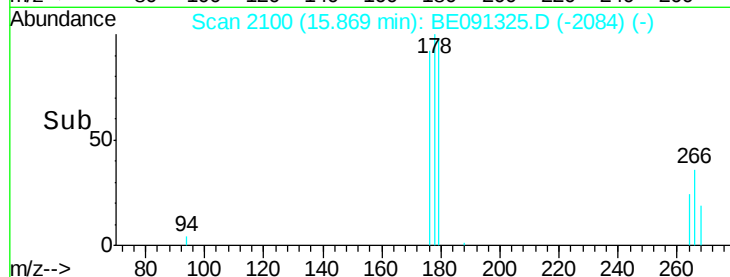
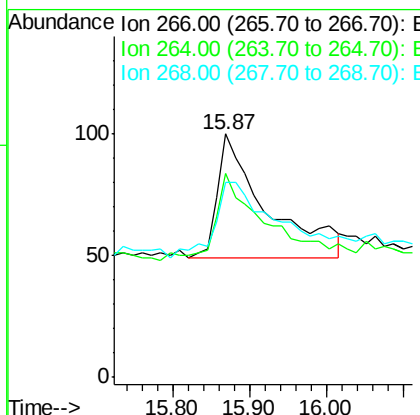
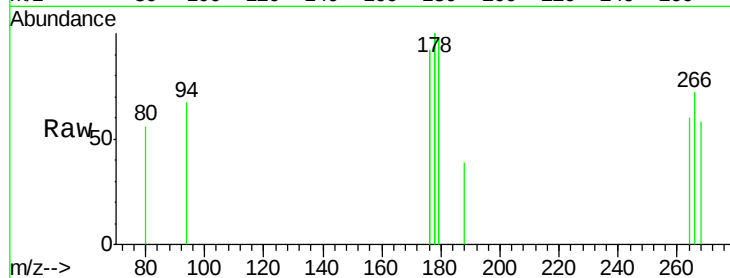




#13
 Pentachlorophenol
 Concen: 0.19 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. 0.00 min
 Lab File: BE091325.D
 Acq: 1 Dec 2015 13:33

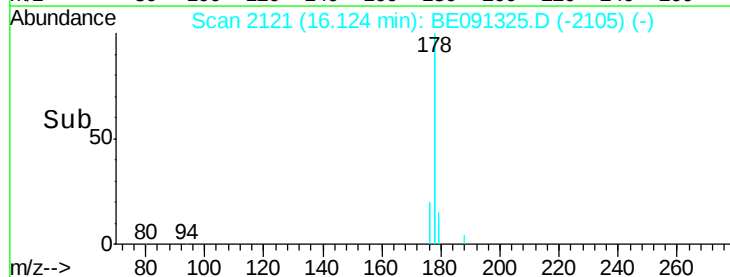
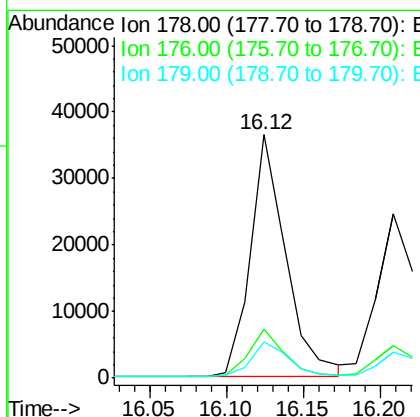
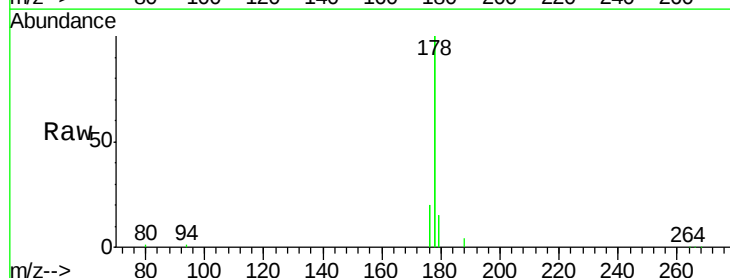
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.494

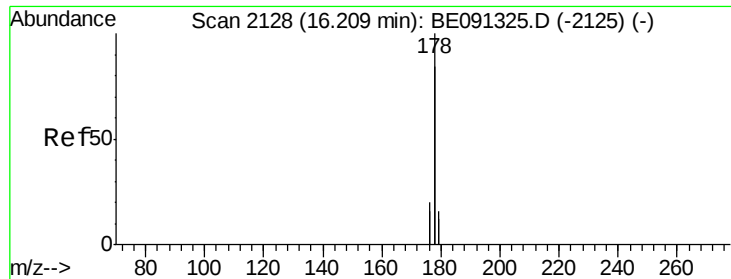
Tot Ion:266 Resp: 224
 Ion Ratio Lower Upper
 266 100
 264 71.0 53.5 80.3
 268 79.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091325.D
 Acq: 1 Dec 2015 13:33

Tgt Ion:178 Resp: 58402
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 14.7 12.8 19.2





#15

Anthracene

Concen: 0.36 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

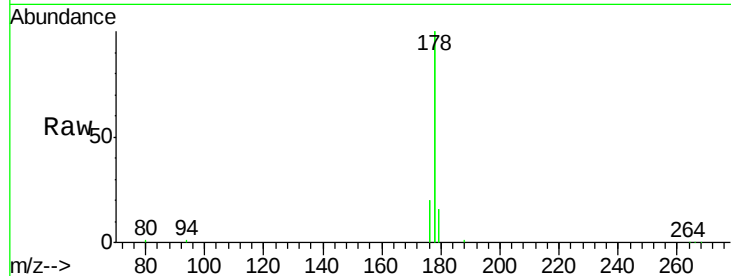
Tot Ion:178 Resp: 49734

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

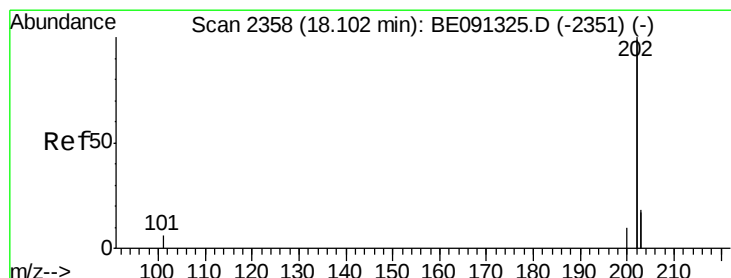
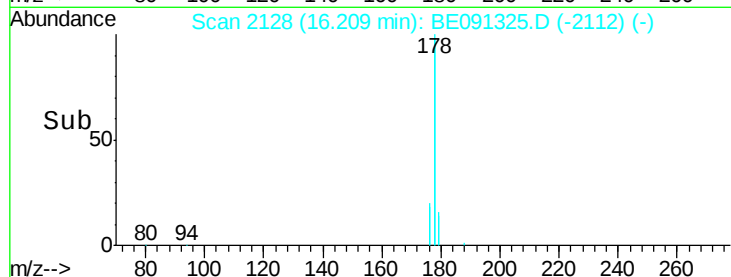
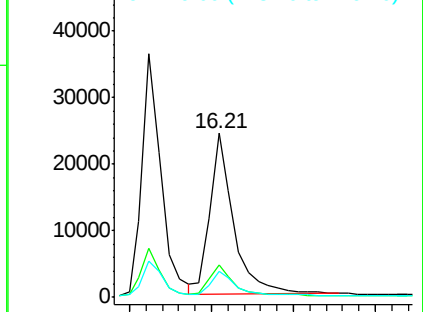
179 16.0 13.3 19.9



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: 0.34 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

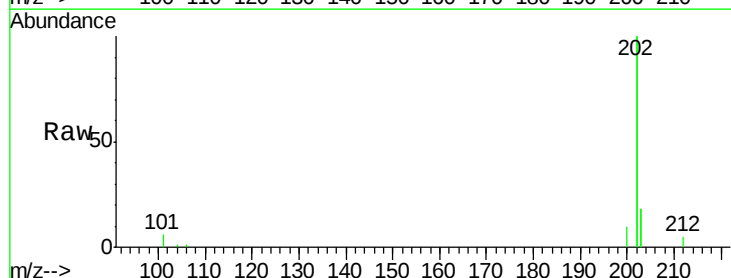
Tgt Ion:202 Resp: 61337

Ion Ratio Lower Upper

202 100

101 3.2 0.0 33.1

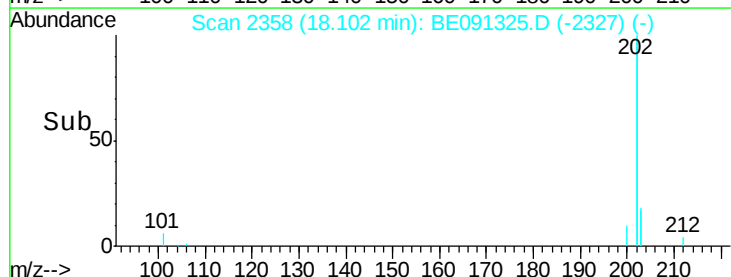
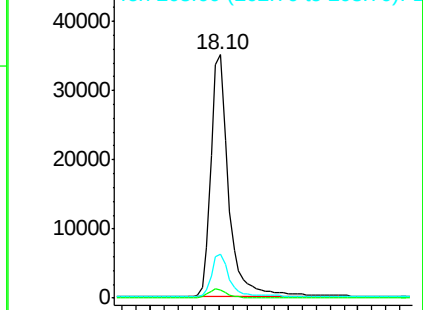
203 18.1 0.0 37.2

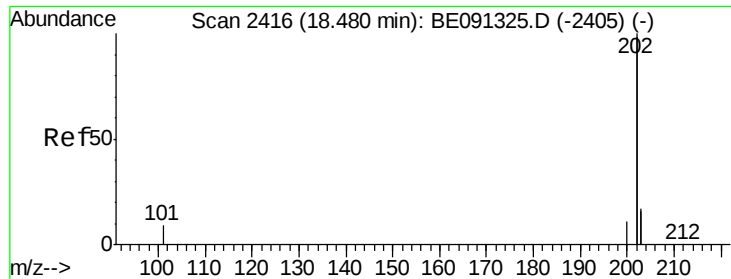


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.38 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

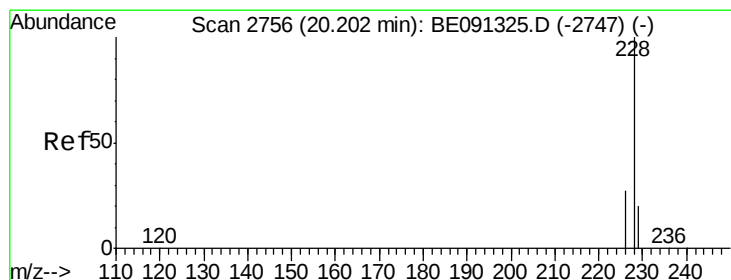
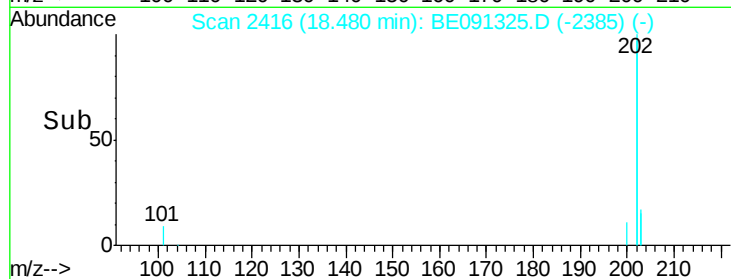
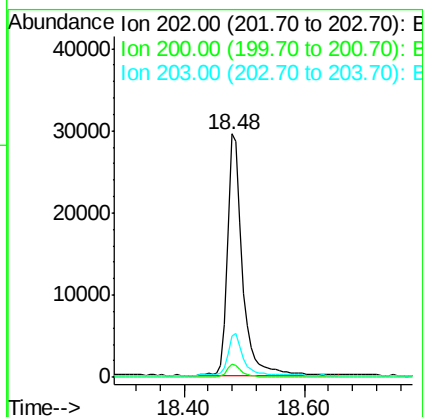
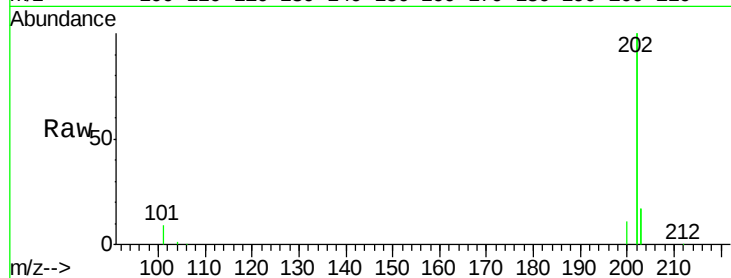
Tot Ion:202 Resp: 51743

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

203 17.1 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.32 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

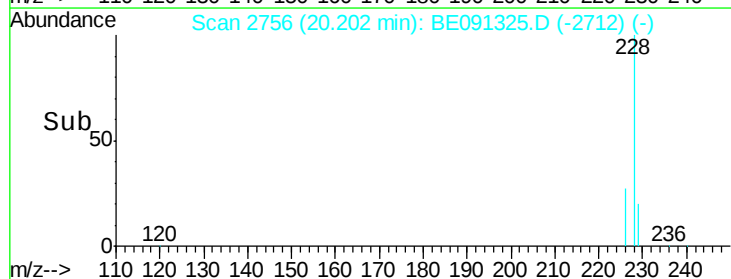
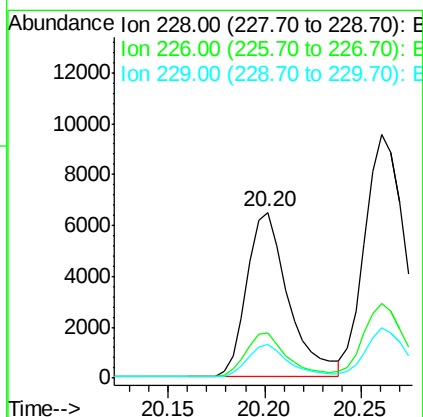
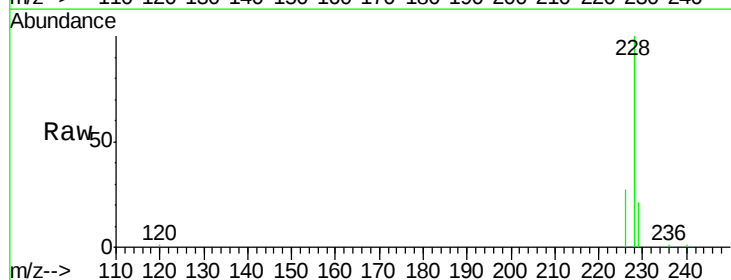
Tgt Ion:228 Resp: 9719

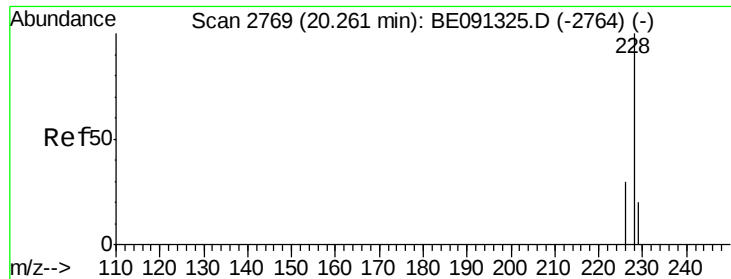
Ion Ratio Lower Upper

228 100

226 27.4 23.0 34.4

229 20.7 15.2 22.8





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

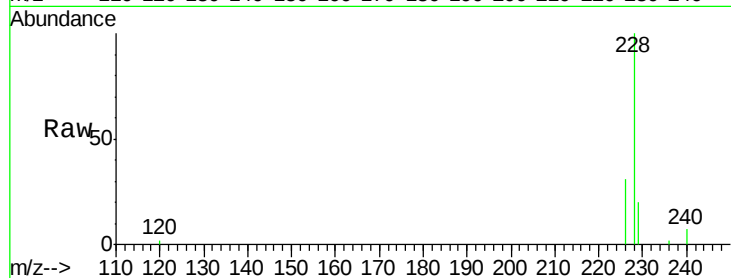
Tot Ion:228 Resp: 15098

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

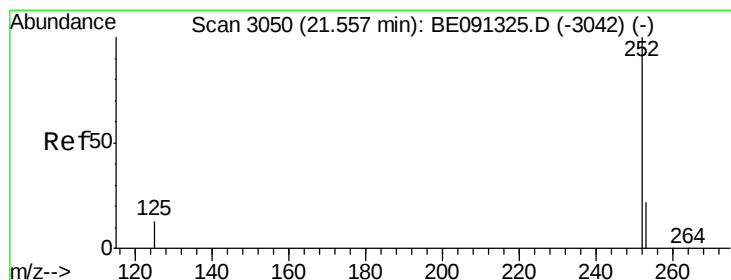
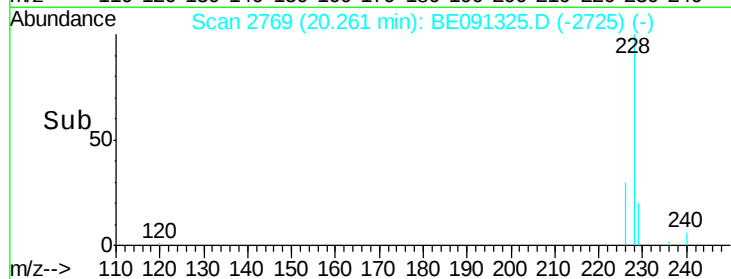
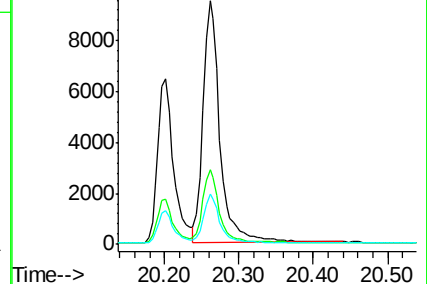
229 20.5 15.2 22.8



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: 0.42 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

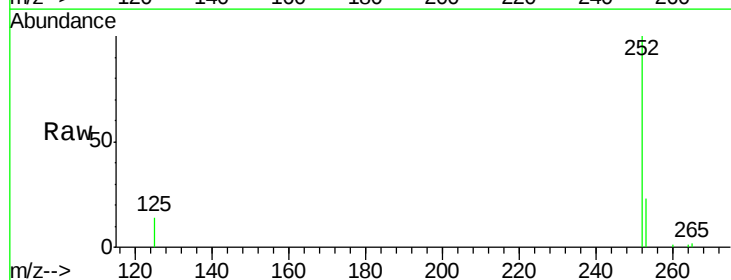
Tgt Ion:252 Resp: 12689

Ion Ratio Lower Upper

252 100

253 23.2 0.0 48.0

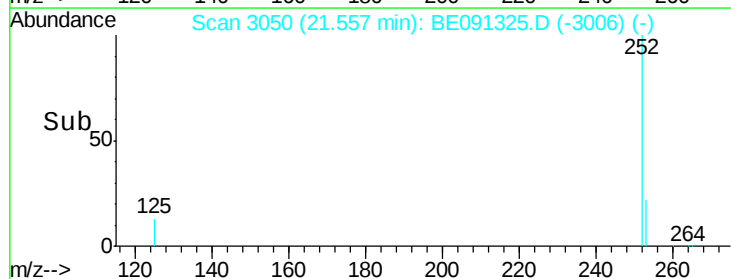
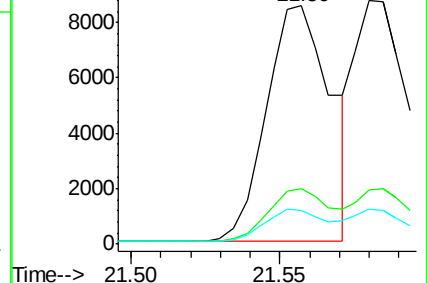
125 14.1 0.0 36.6

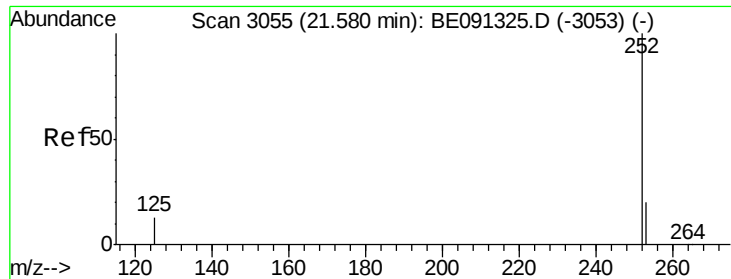


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 21.58 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

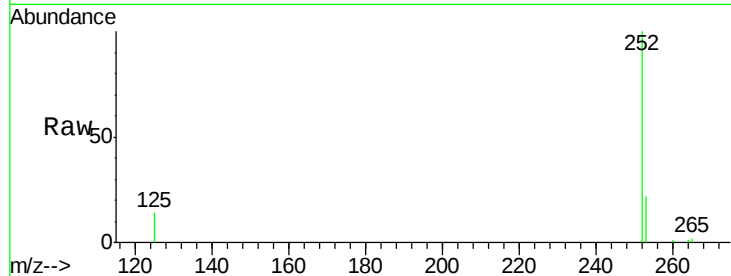
Tot Ion:252 Resp: 13002

Ion Ratio Lower Upper

252 100

253 22.1 20.8 31.2

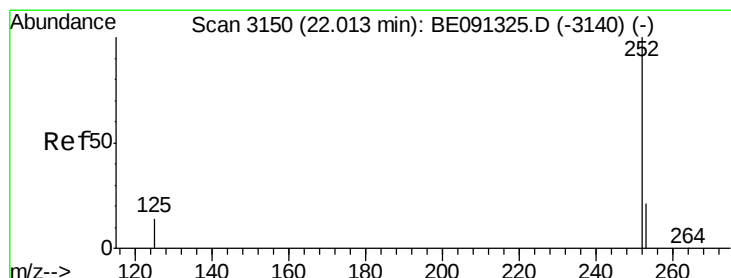
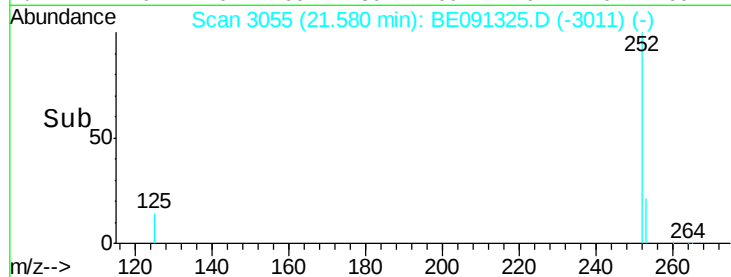
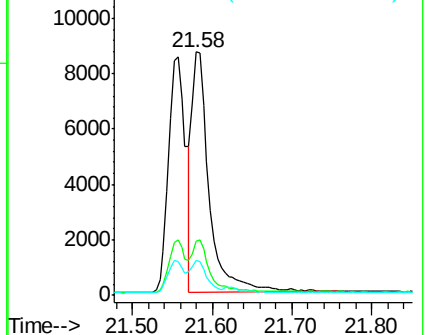
125 14.5 12.2 18.4



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: 0.42 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

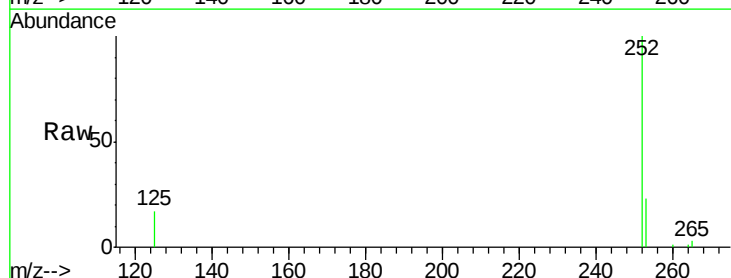
Tgt Ion:252 Resp: 11724

Ion Ratio Lower Upper

252 100

253 23.0 21.8 32.8

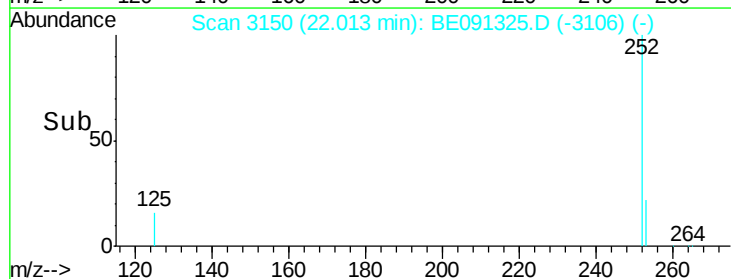
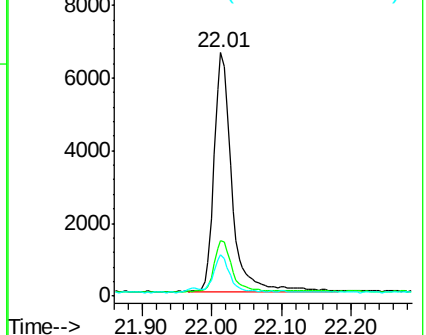
125 16.9 14.5 21.7

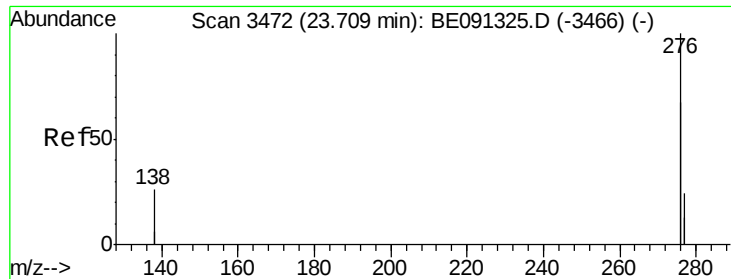


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

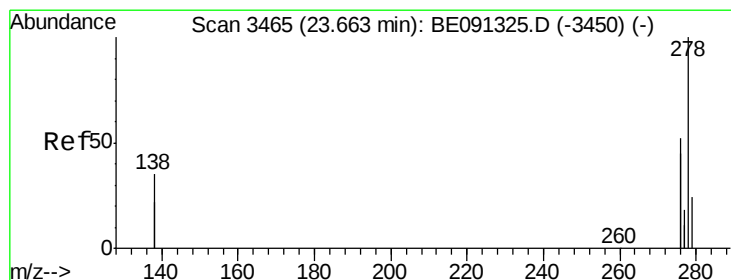
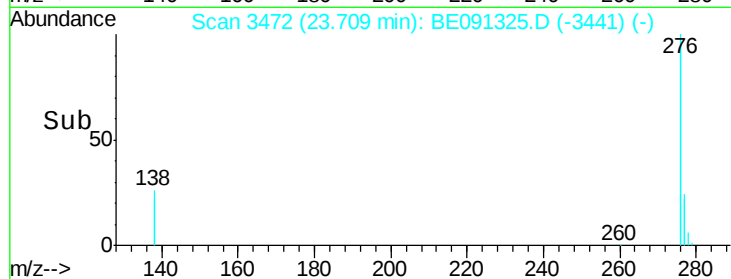
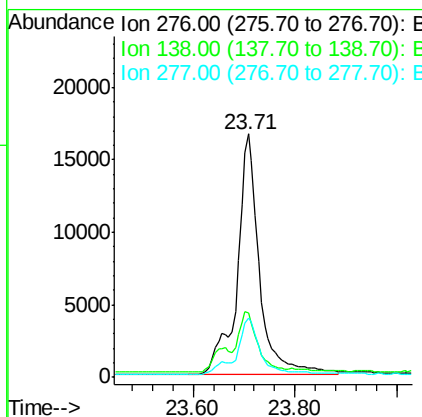
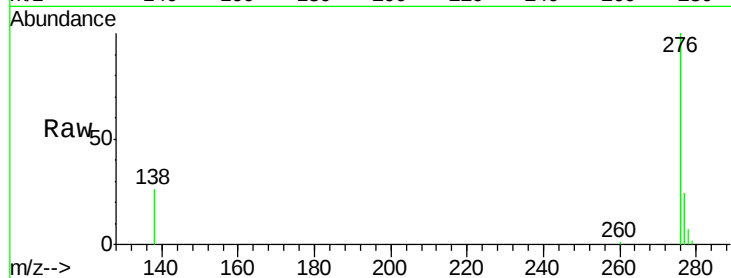




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.44 ng/ul
 RT: 23.71 min Scan# 3472
 Delta R.T. 0.00 min
 Lab File: BE091325.D
 Acq: 1 Dec 2015 13:33

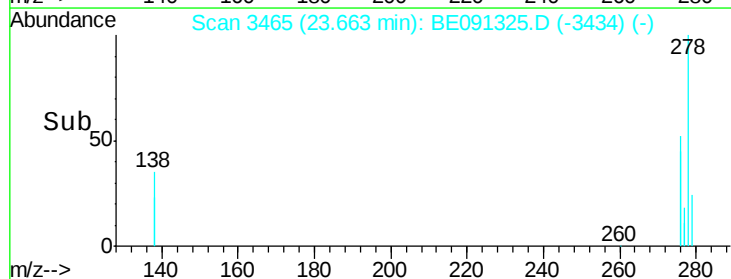
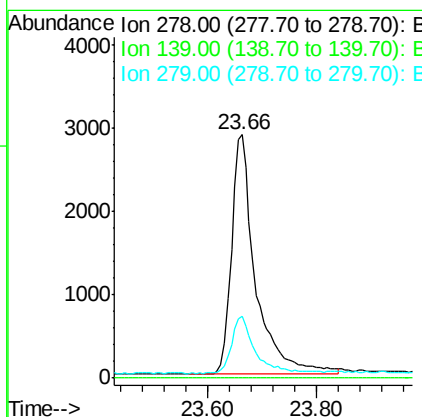
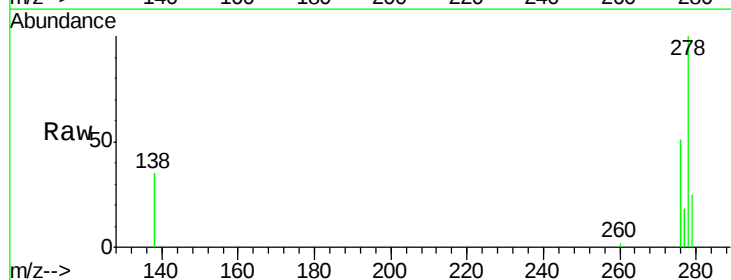
Instrument :
 BNA_E
 ClientSampleId :
 SST0.494

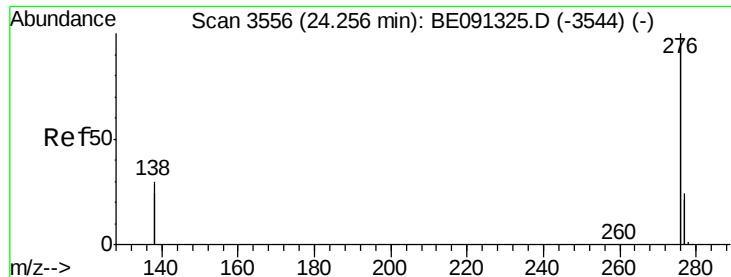
Tot Ion:276 Resp: 50883
 Ion Ratio Lower Upper
 276 100
 138 21.9 27.5 41.3#
 277 20.2 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.33 ng/ul
 RT: 23.66 min Scan# 3465
 Delta R.T. 0.00 min
 Lab File: BE091325.D
 Acq: 1 Dec 2015 13:33

Tgt Ion:278 Resp: 8812
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 25.4 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.39 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. 0.00 min

Lab File: BE091325.D

Acq: 1 Dec 2015 13:33

Instrument :

BNA_E

ClientSampleId :

SSTD0.494

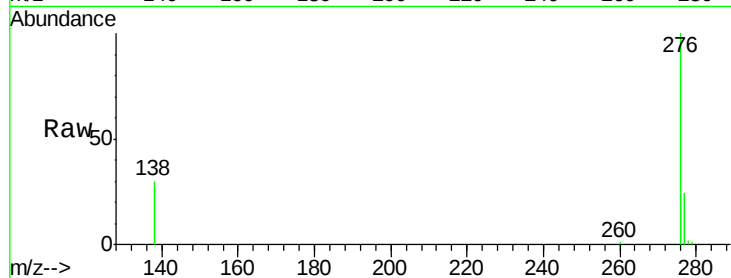
Tot Ion: 276 Resp: 46981

Ion Ratio Lower Upper

276 100

277 23.7 21.3 31.9

138 29.6 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

