

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091005.D
 Acq On : 12 Oct 2015 21:43
 Operator : UM/IZ
 Sample : SSTD3.272
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.272

Quant Time: Oct 13 07:09:32 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE101215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 07:04:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	4220	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	20148	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.45	164	10467	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	25667	0.40	ng/ul	0.00
16) Chrysene-d12	20.32	240	32779	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	32173	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	13.20	152	673329	10.14	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	230103	3.55	ng/ul	0.00

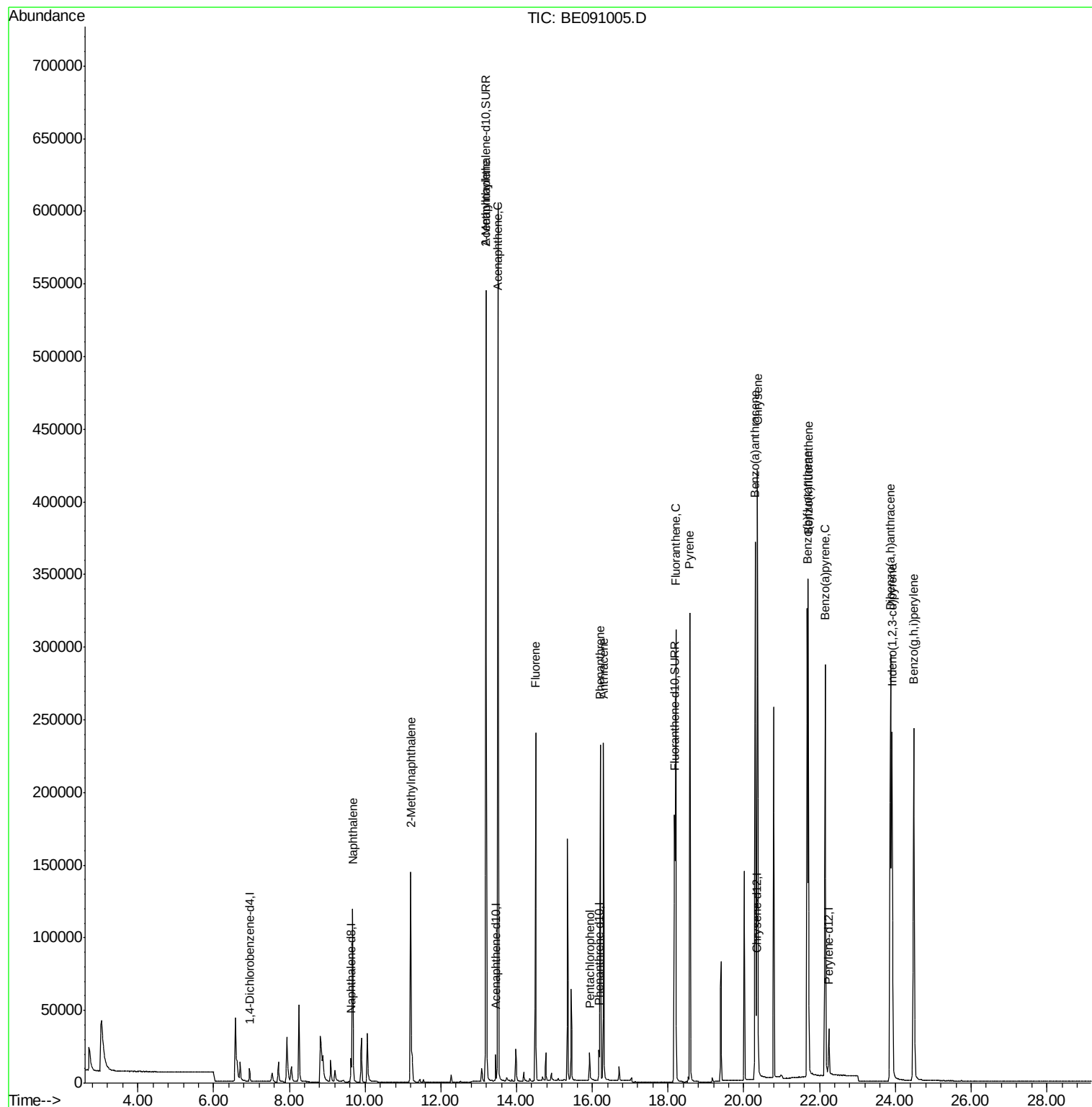
Target Compounds				Ovalue		
3) Naphthalene	9.67	128	156160	2.94	ng/ul	99
5) 2-Methylnaphthalene	11.20	142	109693	3.05	ng/ul	97
7) Acenaphthylene	13.20	152	673329	9.33	ng/ul	99
8) Acenaphthene	13.51	153	464247	7.66	ng/ul	99
9) Fluorene	14.50	166	142515	3.20	ng/ul	98
11) Pentachlorophenol	15.93	266	12666	6.63	ng/ul	91
12) Phenanthrene	16.21	178	233280	3.00	ng/ul	100
13) Anthracene	16.29	178	233513	3.13	ng/ul	100
15) Fluoranthene	18.20	202	287940	3.25	ng/ul	99
17) Pyrene	18.58	202	293242	2.40	ng/ul	99
18) Benzo(a)anthracene	20.30	228	298074	2.81	ng/ul	99
19) Chrysene	20.36	228	308303	2.93	ng/ul	99
21) Benzo(b)fluoranthene	21.67	252	333514	2.90	ng/ul	95
22) Benzo(k)fluoranthene	21.70	252	324800	2.89	ng/ul	95
23) Benzo(a)pyrene	22.14	252	314544	3.00	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	23.91	276	336066	3.11	ng/ul	99
25) Dibenzo(a,h)anthracene	23.87	278	332176	3.70	ng/ul	99
26) Benzo(g,h,i)perylene	24.49	276	351660	3.62	ng/ul	96

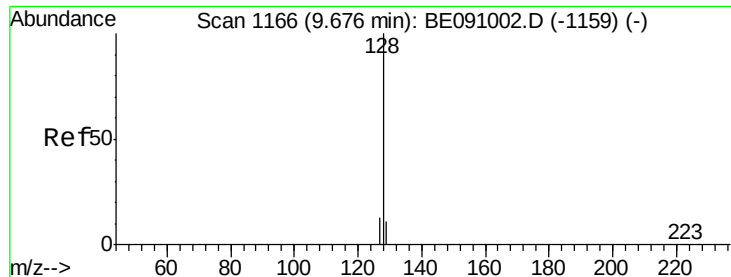
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.94 ng/ul

RT: 9.67 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

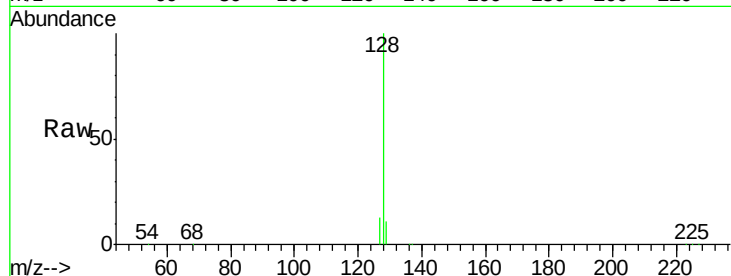
Tot Ion:128 Resp: 156160

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

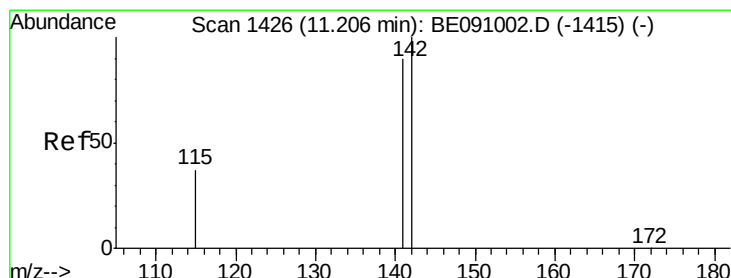
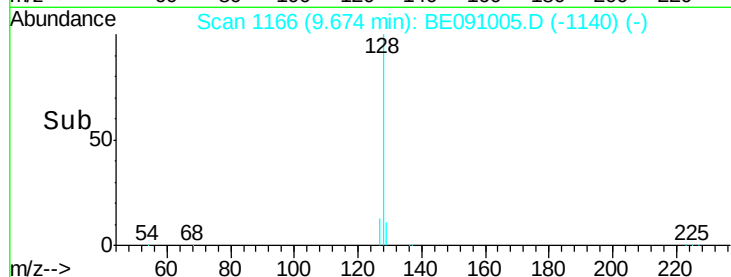
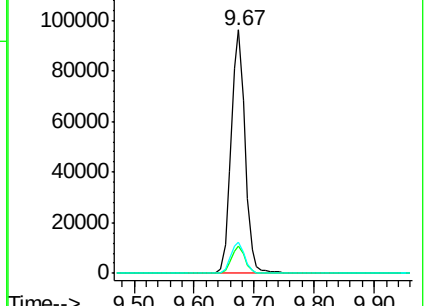
127 12.9 10.4 15.6



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



#5

2-Methylnaphthalene

Concen: 3.05 ng/ul

RT: 11.20 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091005.D

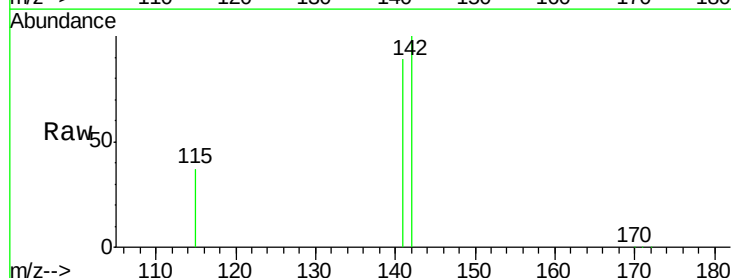
Acq: 12 Oct 2015 21:43

Tgt Ion:142 Resp: 109693

Ion Ratio Lower Upper

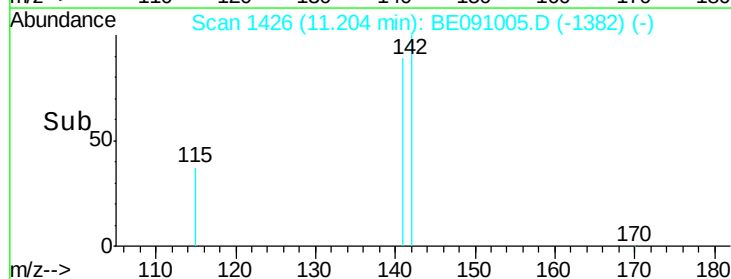
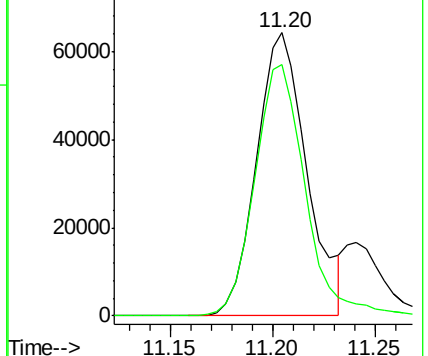
142 100

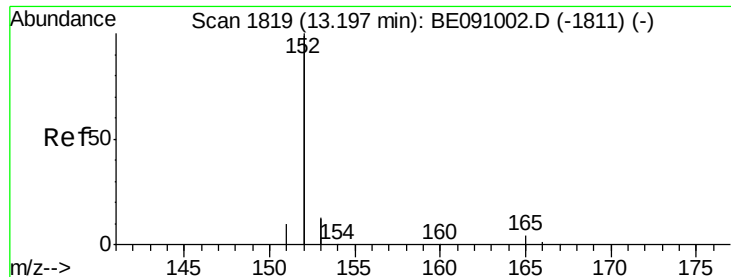
141 89.5 73.7 110.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 9.33 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

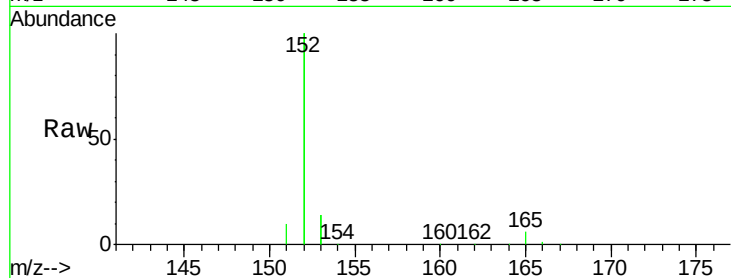
Tot Ion:152 Resp: 673329

Ion Ratio Lower Upper

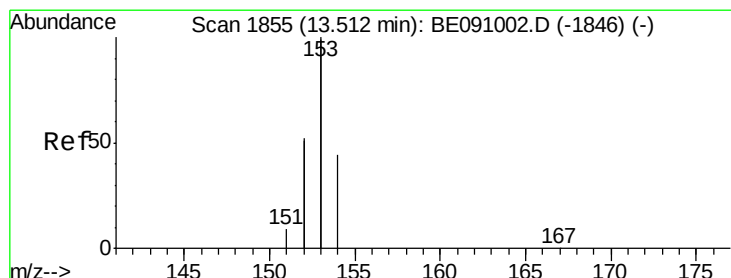
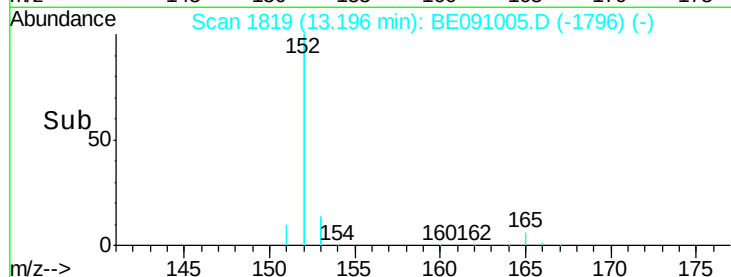
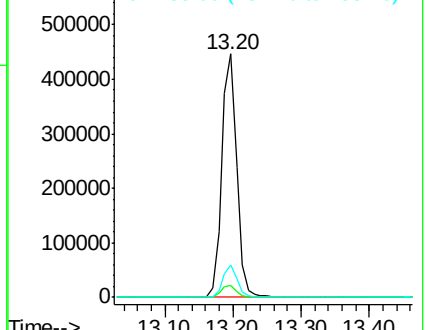
152 100

151 4.8 3.9 5.9

153 13.5 10.6 15.8



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



#8

Acenaphthene

Concen: 7.66 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

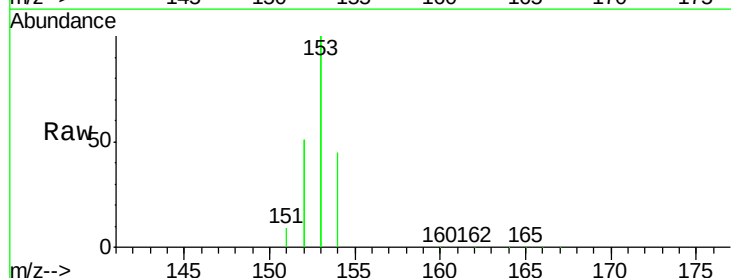
Tgt Ion:153 Resp: 464247

Ion Ratio Lower Upper

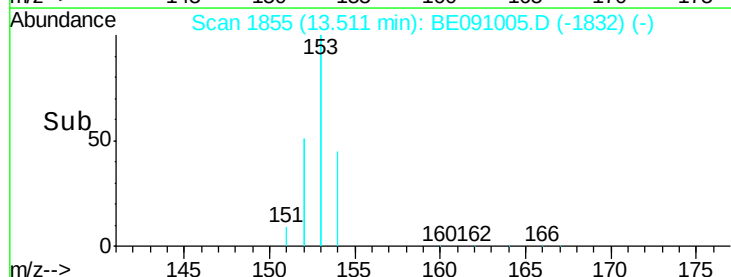
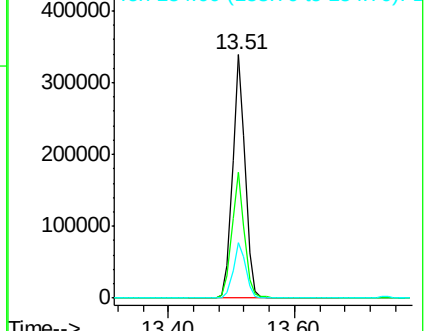
153 100

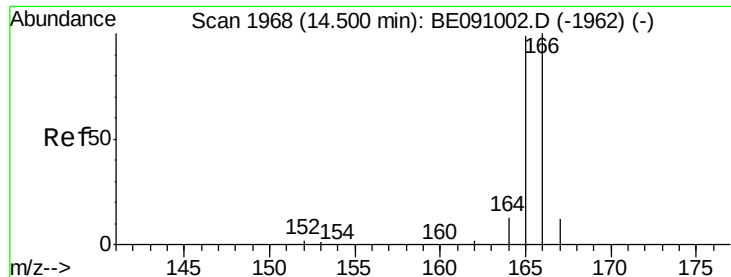
152 51.4 41.8 62.8

154 22.6 17.8 26.6



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

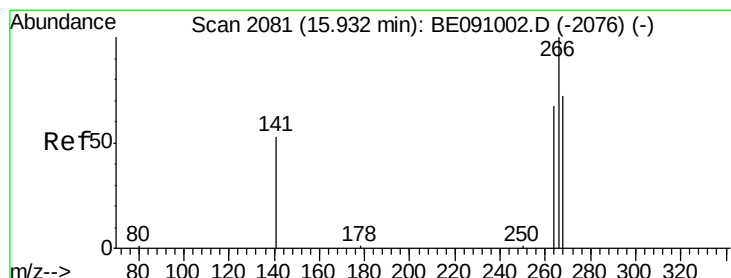
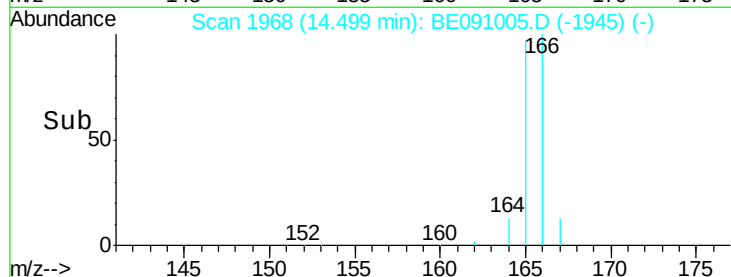
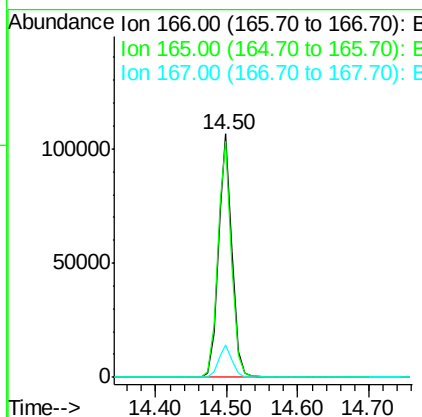
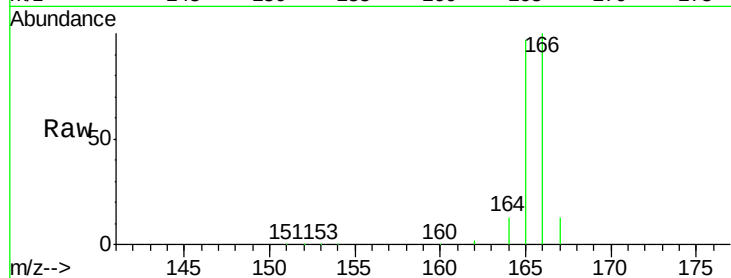




#9
Fluorene
 Concen: 3.20 ng/ul
 RT: 14.50 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BE091005.D
 Acq: 12 Oct 2015 21:43

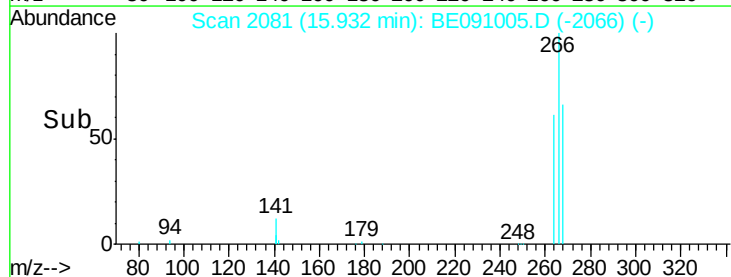
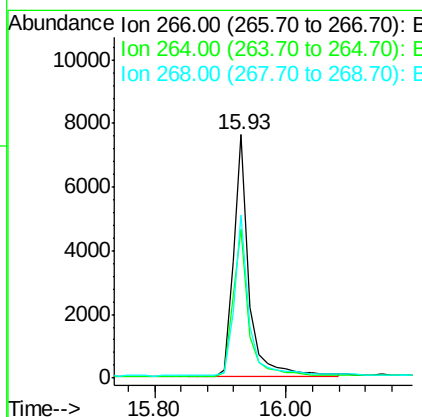
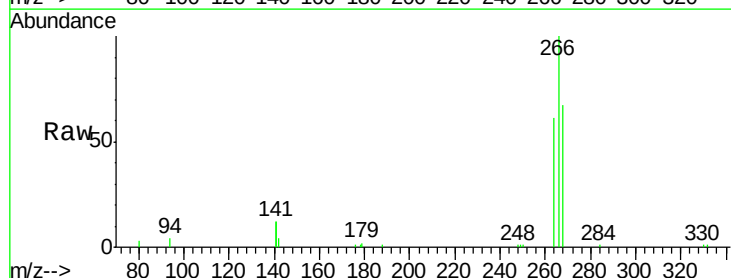
Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.272

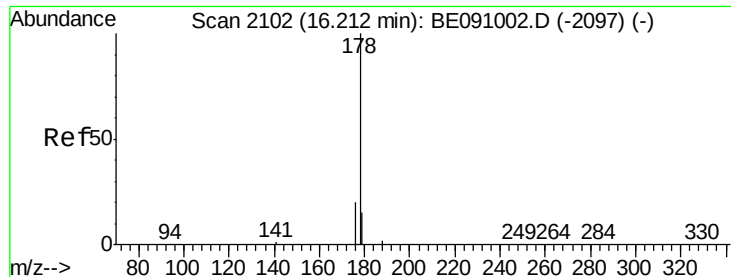
Tot Ion:166 Resp: 142515
 Ion Ratio Lower Upper
 166 100
 165 96.7 79.2 118.8
 167 13.5 10.4 15.6



#11
Pentachlorophenol
 Concen: 6.63 ng/ul
 RT: 15.93 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BE091005.D
 Acq: 12 Oct 2015 21:43

Tgt Ion:266 Resp: 12666
 Ion Ratio Lower Upper
 266 100
 264 62.2 56.5 84.7
 268 64.5 56.6 84.8





#12

Phenanthrene

Concen: 3.00 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

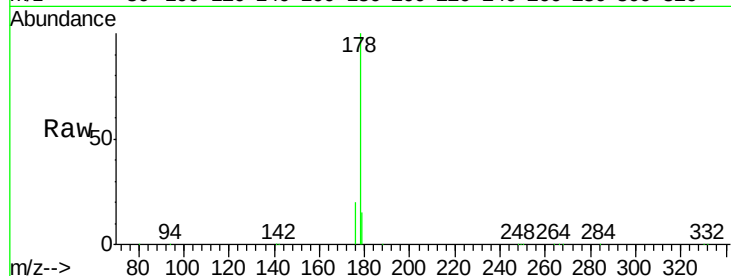
Tot Ion:178 Resp: 233280

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

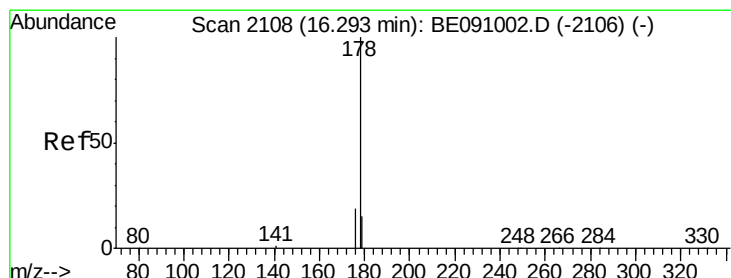
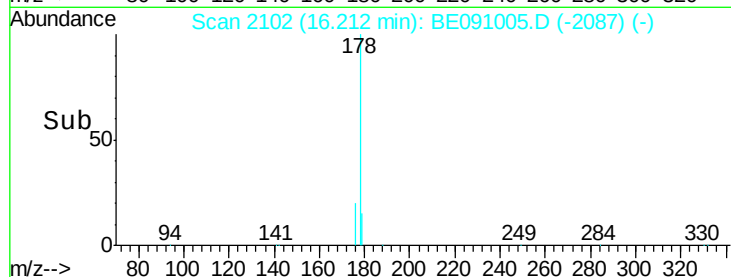
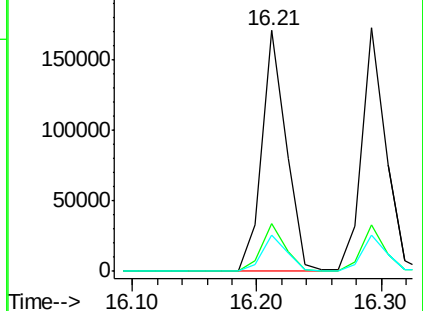
179 15.3 12.2 18.2



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



#13

Anthracene

Concen: 3.13 ng/ul

RT: 16.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

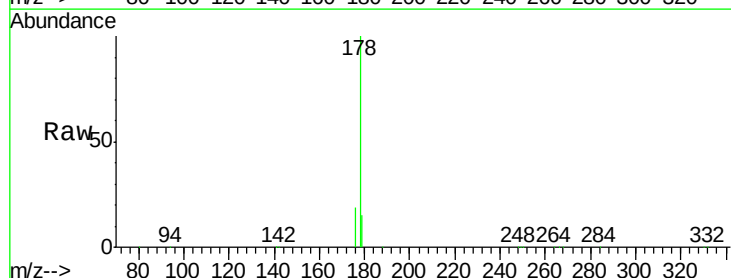
Tgt Ion:178 Resp: 233513

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

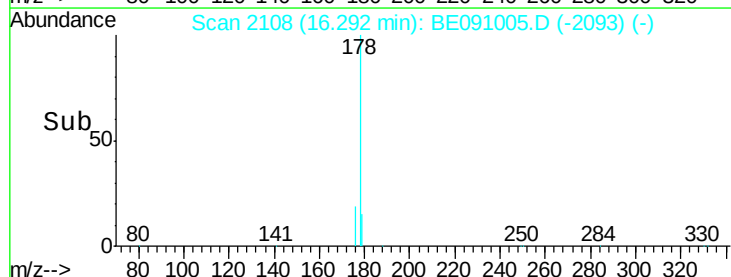
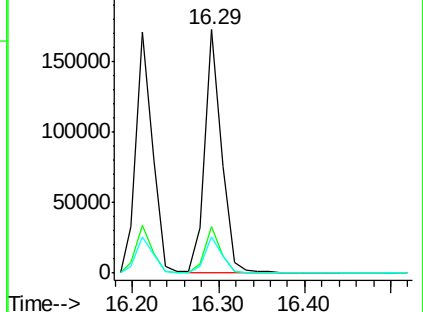
179 15.0 12.2 18.2

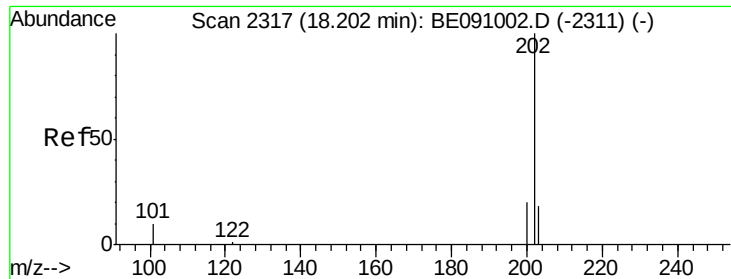


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

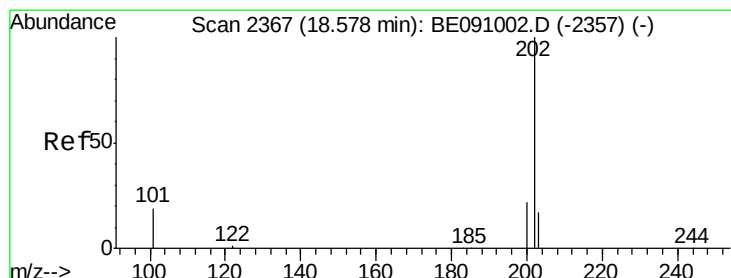
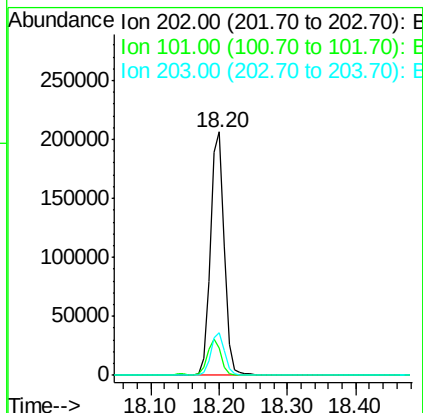
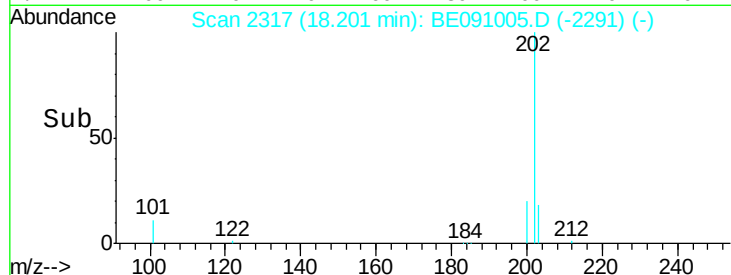
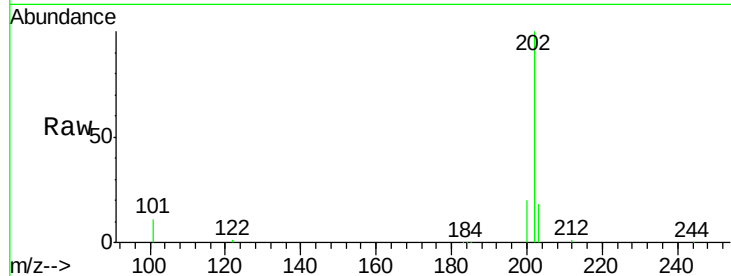




#15
Fluoranthene
 Concen: 3.25 ng/ul
 RT: 18.20 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BE091005.D
 Acq: 12 Oct 2015 21:43

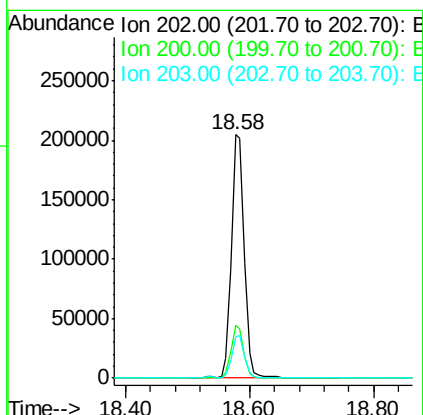
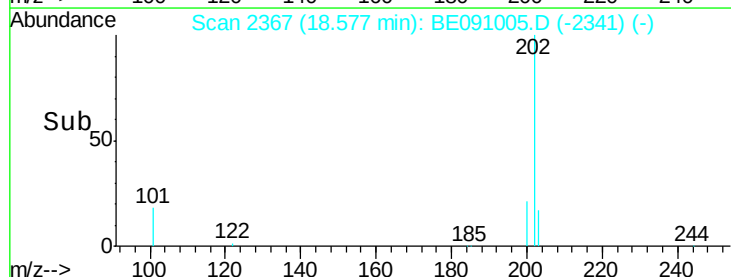
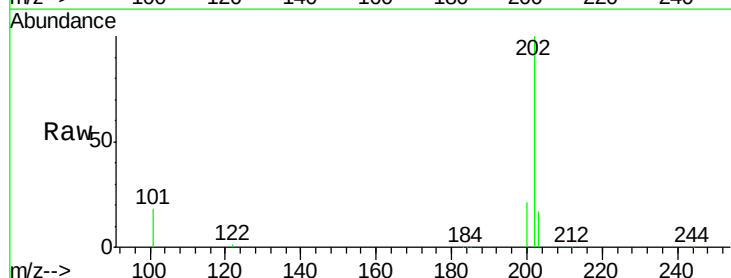
Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.272

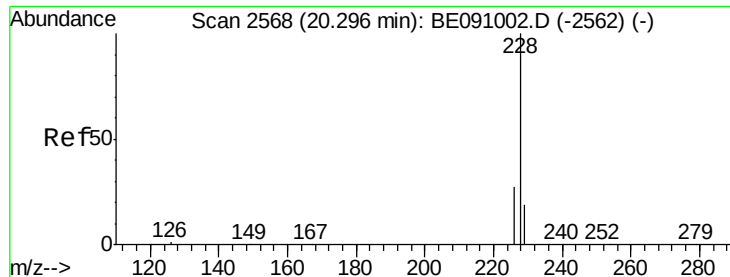
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.6
203	17.7	0.0	37.9



#17
Pyrene
 Concen: 2.40 ng/ul
 RT: 18.58 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: BE091005.D
 Acq: 12 Oct 2015 21:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.2	14.0	21.0





#18

Benzo(a)anthracene

Concen: 2.81 ng/ul

RT: 20.30 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

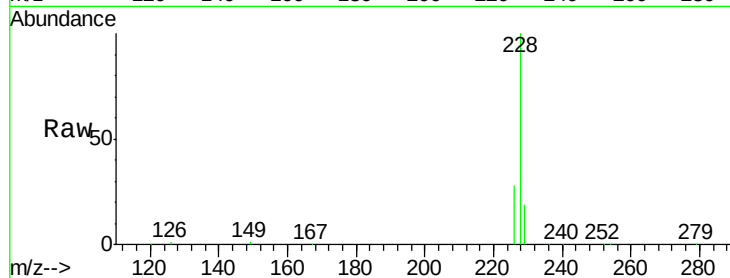
Tot Ion:228 Resp: 298074

Ion Ratio Lower Upper

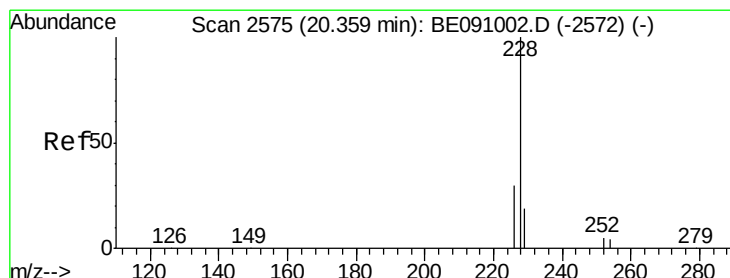
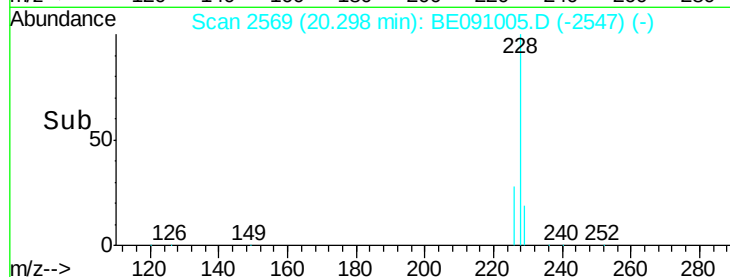
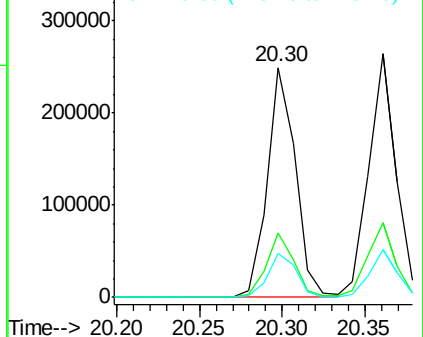
228 100

226 27.9 22.2 33.2

229 19.3 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



#19

Chrysene

Concen: 2.93 ng/ul

RT: 20.36 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

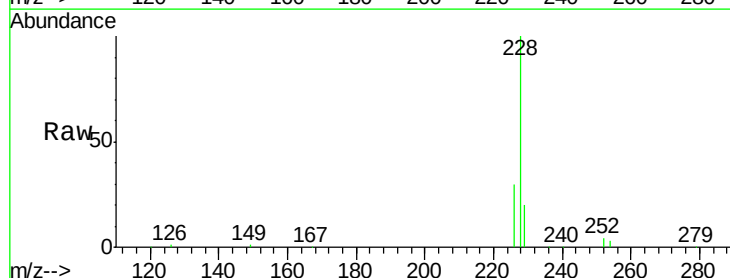
Tgt Ion:228 Resp: 308303

Ion Ratio Lower Upper

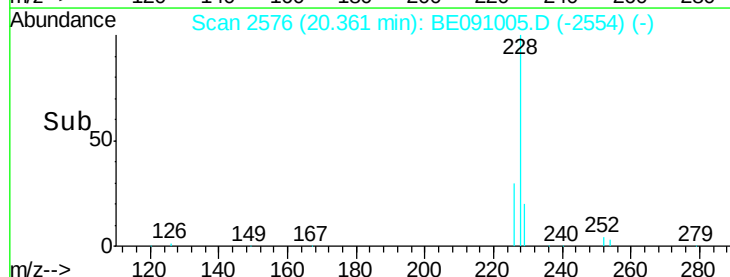
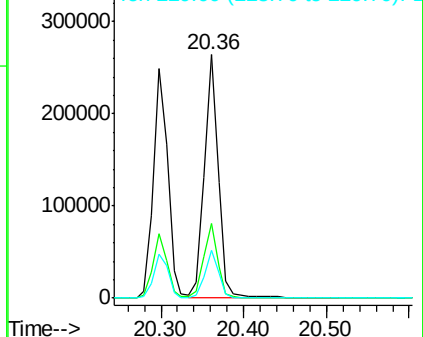
228 100

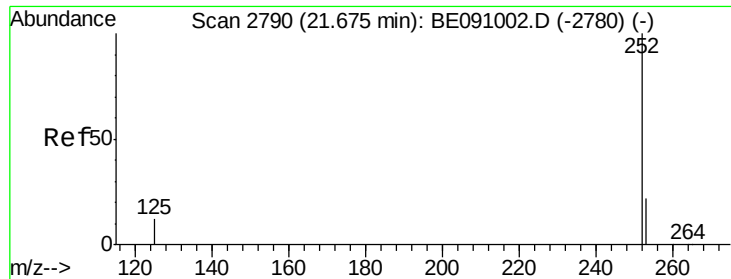
226 30.5 24.5 36.7

229 19.6 15.1 22.7



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

Benzo(b)fluoranthene

Concen: 2.90 ng/ul

RT: 21.67 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

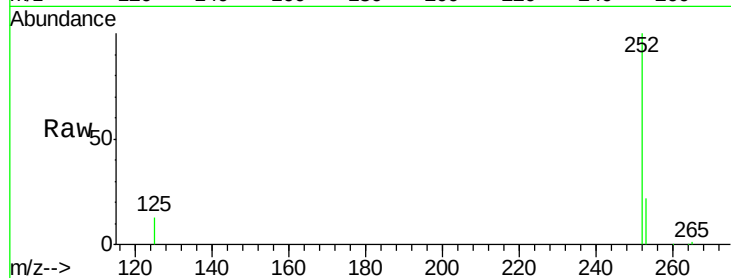
Tot Ion:252 Resp: 333514

Ion Ratio Lower Upper

252 100

253 22.0 0.0 51.6

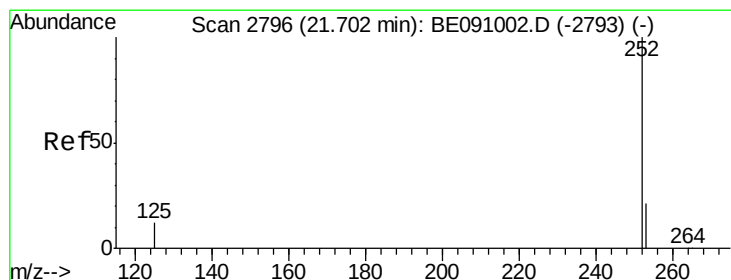
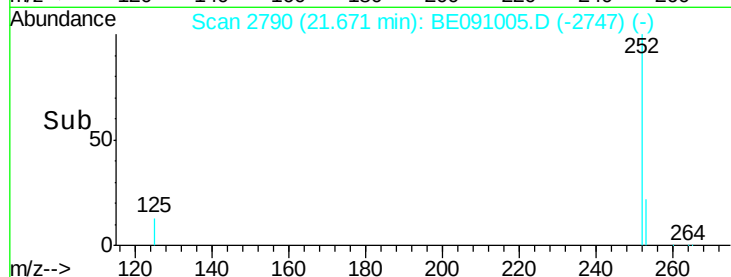
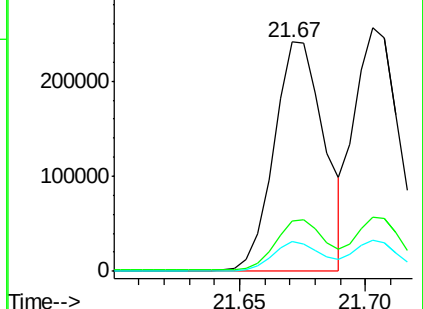
125 12.9 0.0 26.0



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



#22

Benzo(k)fluoranthene

Concen: 2.89 ng/ul

RT: 21.70 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

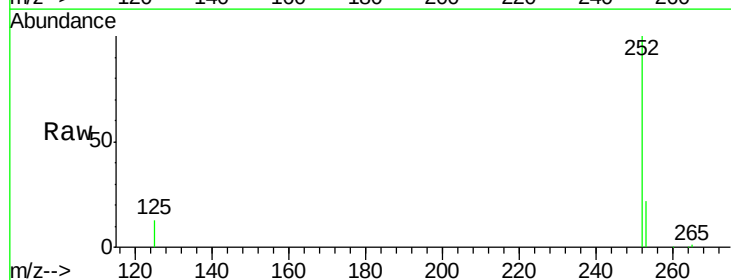
Tgt Ion:252 Resp: 324800

Ion Ratio Lower Upper

252 100

253 22.2 20.2 30.4

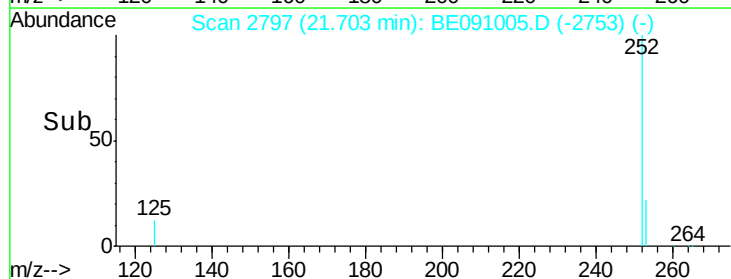
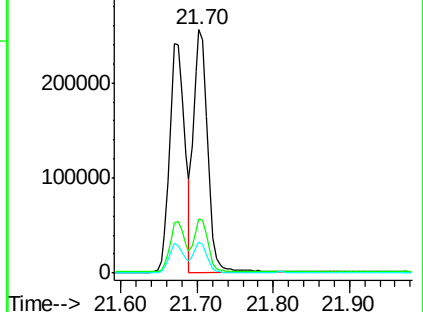
125 12.6 10.6 16.0

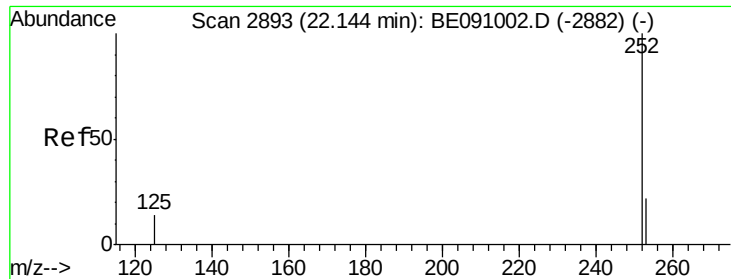


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.00 ng/ul

RT: 22.14 min Scan# 2894

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

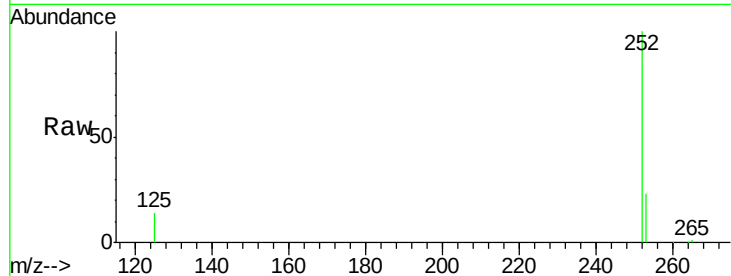
Tot Ion:252 Resp: 314544

Ion Ratio Lower Upper

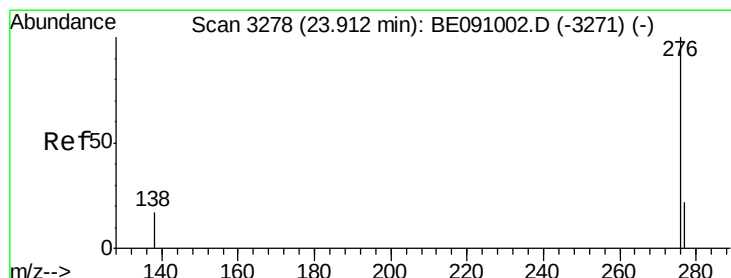
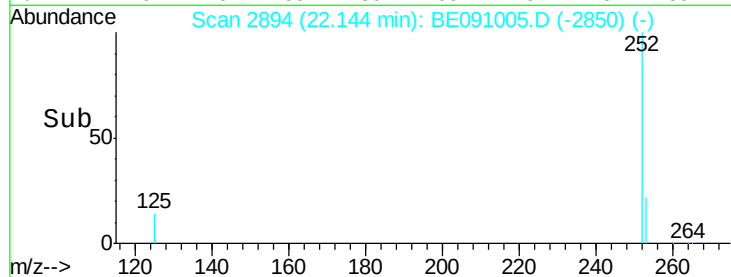
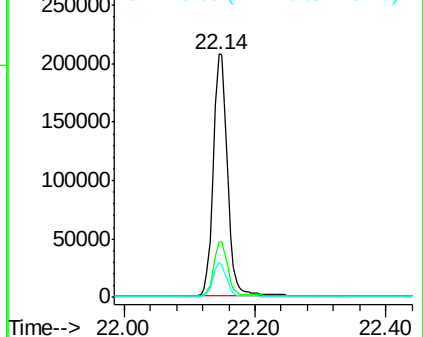
252 100

253 22.7 21.7 32.5

125 14.4 12.2 18.2



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

Indeno(1,2,3-cd)pyrene

Concen: 3.11 ng/ul

RT: 23.91 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

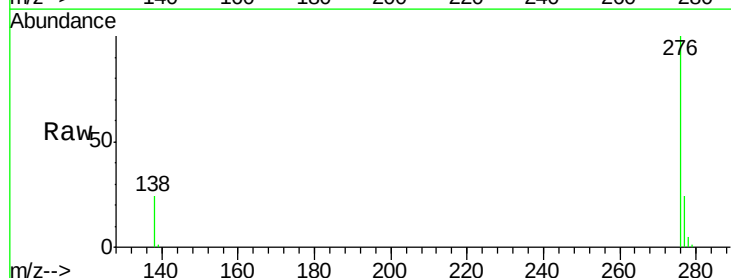
Tgt Ion:276 Resp: 336066

Ion Ratio Lower Upper

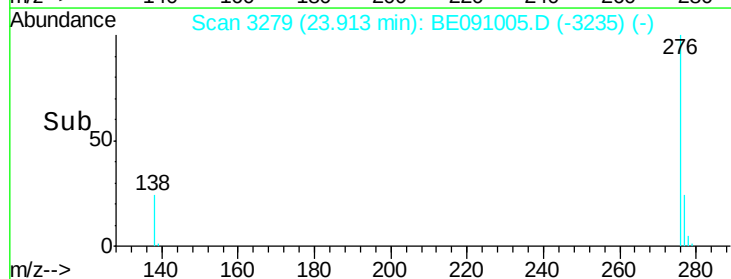
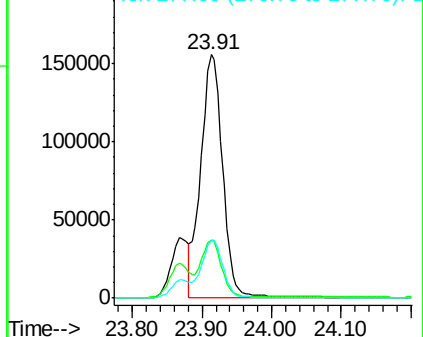
276 100

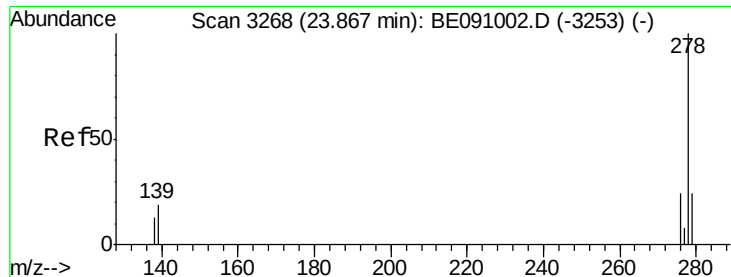
138 23.1 18.1 27.1

277 23.4 19.0 28.6



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





#25

Dibenzo(a,h)anthracene

Concen: 3.70 ng/ul

RT: 23.87 min Scan# 3270

Delta R.T. 0.01 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

Instrument :

BNA_E

ClientSampleId :

SSTD3.272

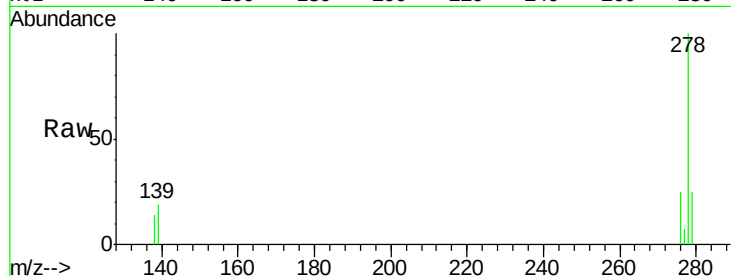
Tot Ion:278 Resp: 332176

Ion Ratio Lower Upper

278 100

139 19.3 16.1 24.1

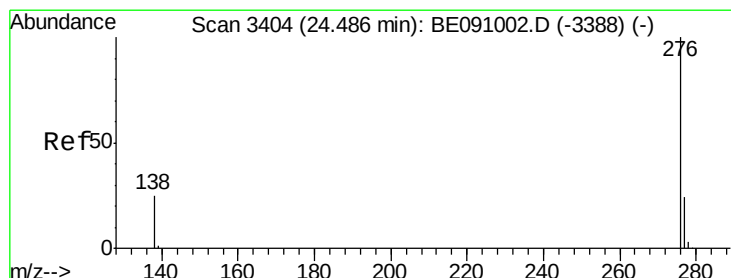
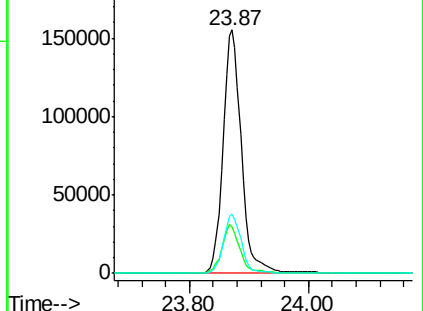
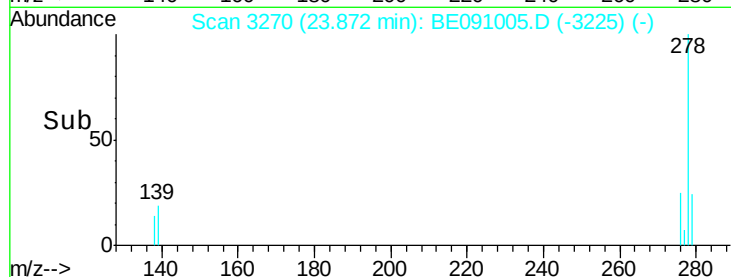
279 24.6 20.1 30.1



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



#26

Benzo(g,h,i)perylene

Concen: 3.62 ng/ul

RT: 24.49 min Scan# 3405

Delta R.T. 0.00 min

Lab File: BE091005.D

Acq: 12 Oct 2015 21:43

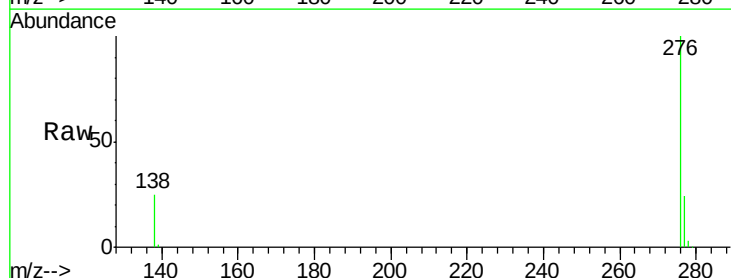
Tgt Ion:276 Resp: 351660

Ion Ratio Lower Upper

276 100

277 23.7 19.7 29.5

138 25.2 22.6 34.0



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

