

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091004.D
 Acq On : 12 Oct 2015 21:05
 Operator : UM/IZ
 Sample : SSTD1.671
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.671

Quant Time: Oct 13 07:09:22 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	4547	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	20874	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.46	164	11227	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	27007	0.40	ng/ul	0.00
16) Chrysene-d12	20.33	240	33863	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	33348	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	13.20	152	343430	4.99	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	118046	1.73	ng/ul	0.00

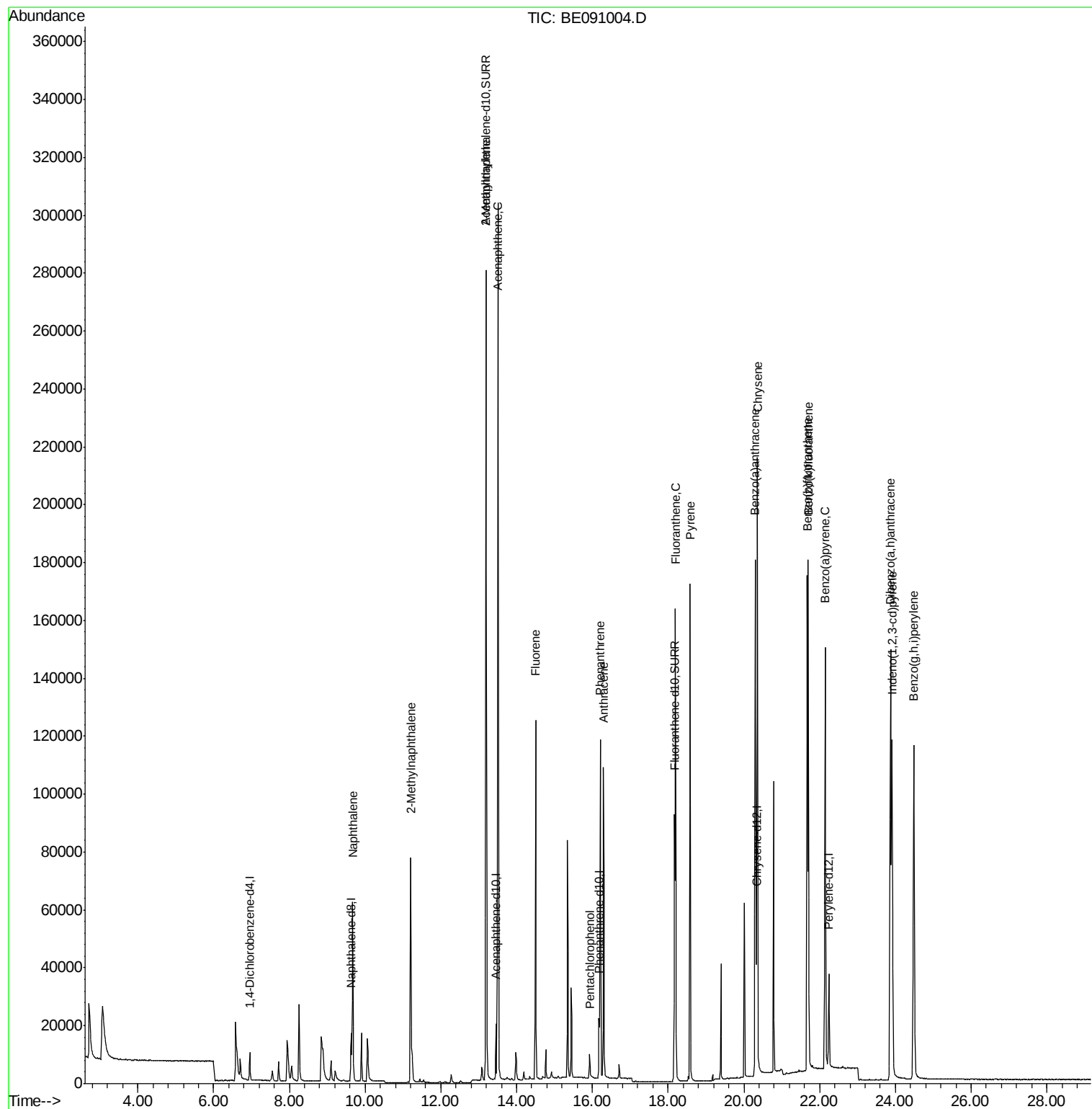
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.68	128	82940	1.51	ng/ul	99
5) 2-Methylnaphthalene	11.20	142	68218	1.83	ng/ul	82
7) Acenaphthylene	13.20	152	343430	4.44	ng/ul	100
8) Acenaphthene	13.51	153	242125	3.73	ng/ul	99
9) Fluorene	14.50	166	73984	1.55	ng/ul	100
11) Pentachlorophenol	15.93	266	5791	2.88	ng/ul	91
12) Phenanthrene	16.21	178	123226	1.50	ng/ul	99
13) Anthracene	16.29	178	120826	1.54	ng/ul	99
15) Fluoranthene	18.19	202	148707	1.60	ng/ul	94
17) Pyrene	18.58	202	151391	1.20	ng/ul	99
18) Benzo(a)anthracene	20.30	228	150725	1.38	ng/ul	100
19) Chrysene	20.36	228	158764	1.46	ng/ul	99
21) Benzo(b)fluoranthene	21.67	252	169484	1.42	ng/ul	96
22) Benzo(k)fluoranthene	21.70	252	167115	1.43	ng/ul	96
23) Benzo(a)pyrene	22.15	252	160116	1.47	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	23.92	276	169653	1.52	ng/ul	99
25) Dibenzo(a,h)anthracene	23.87	278	168642	1.81	ng/ul	98
26) Benzo(g,h,i)perylene	24.49	276	178152	1.77	ng/ul	97

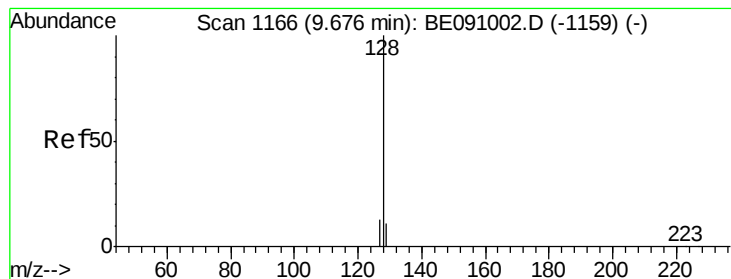
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.51 ng/ul

RT: 9.68 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

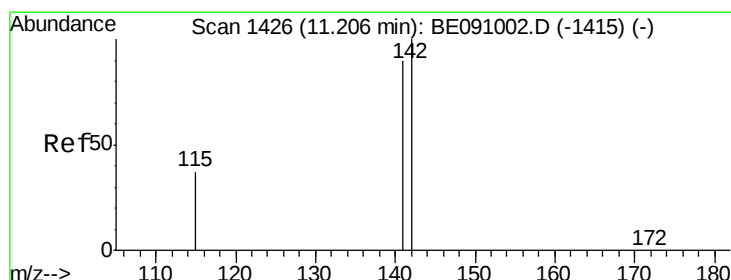
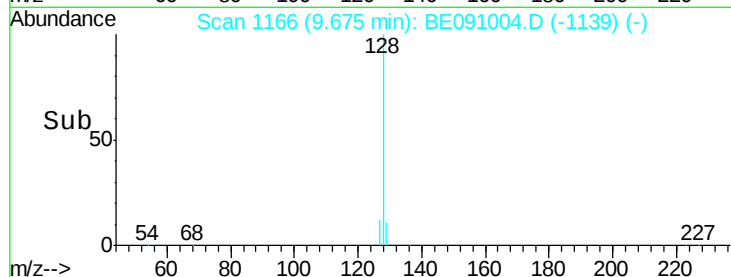
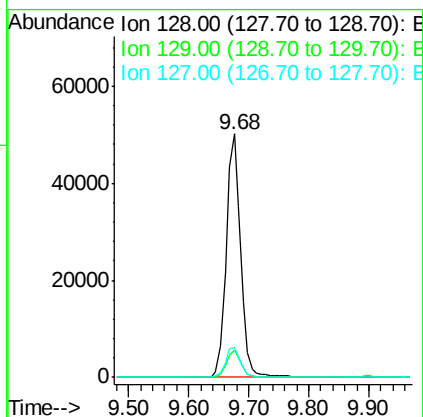
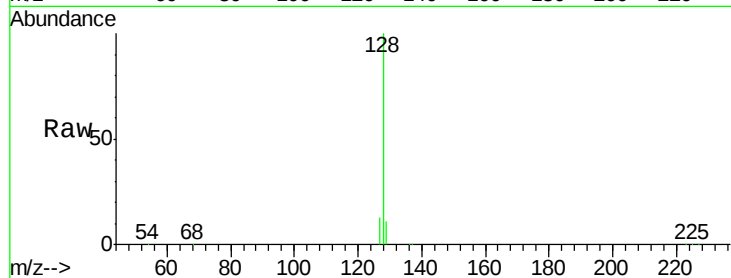
Tot Ion:128 Resp: 82940

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

127 12.5 10.4 15.6



#5

2-Methylnaphthalene

Concen: 1.83 ng/ul

RT: 11.20 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE091004.D

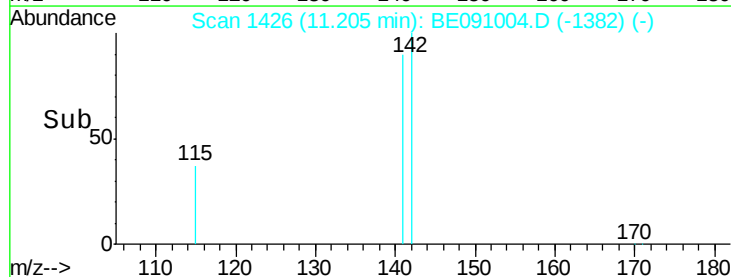
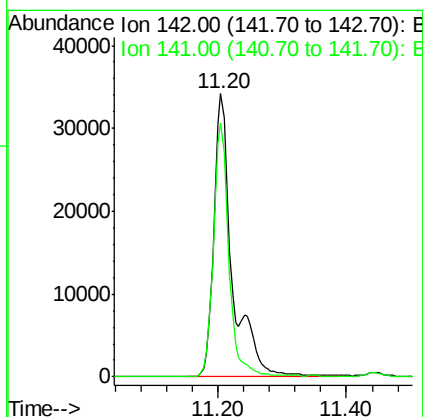
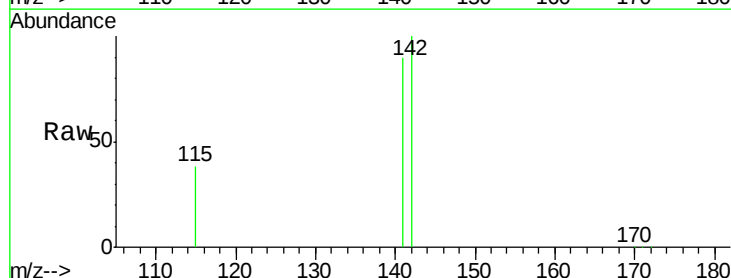
Acq: 12 Oct 2015 21:05

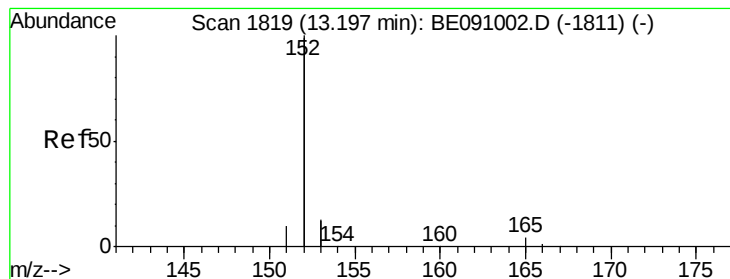
Tgt Ion:142 Resp: 68218

Ion Ratio Lower Upper

142 100

141 74.5 73.7 110.5





#7

Acenaphthylene

Concen: 4.44 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

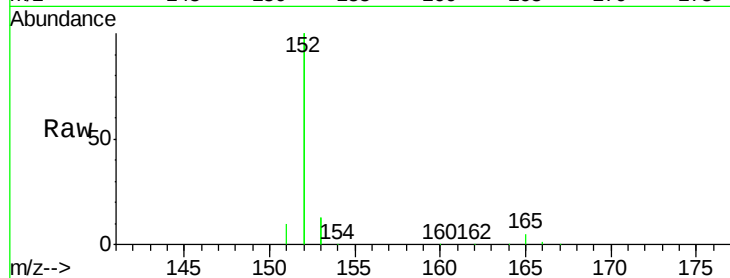
Tot Ion:152 Resp: 343430

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

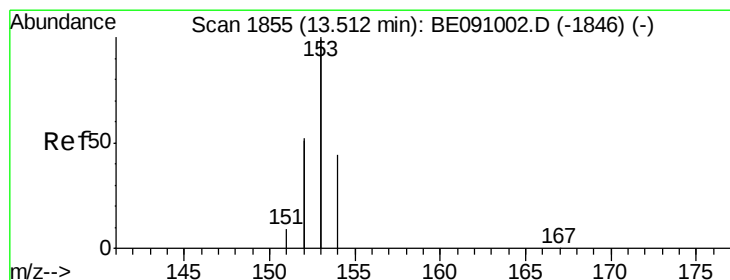
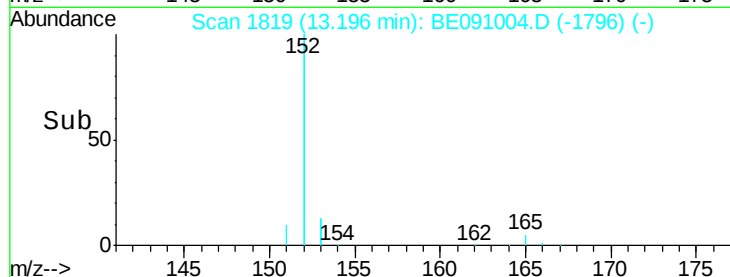
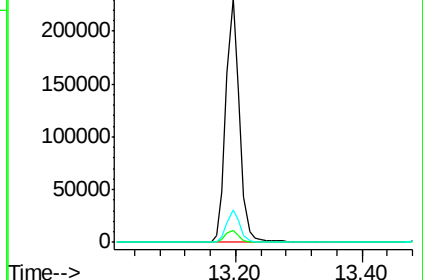
153 13.4 10.6 15.8



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: 3.73 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

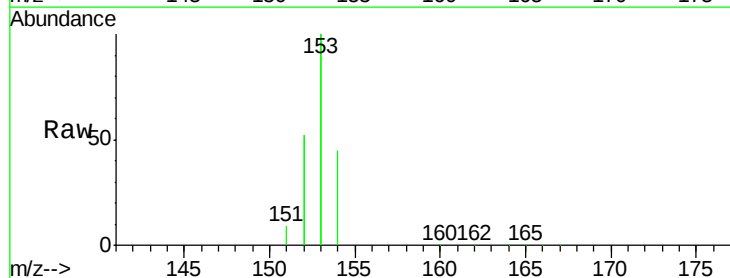
Tgt Ion:153 Resp: 242125

Ion Ratio Lower Upper

153 100

152 51.9 41.8 62.8

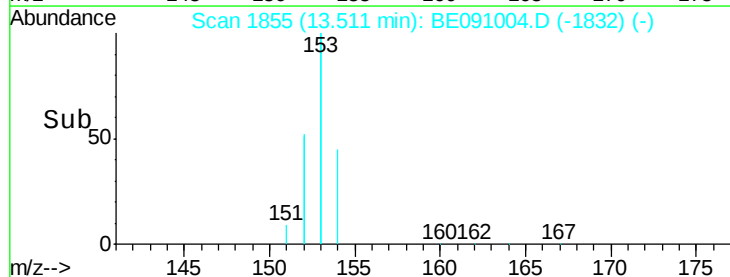
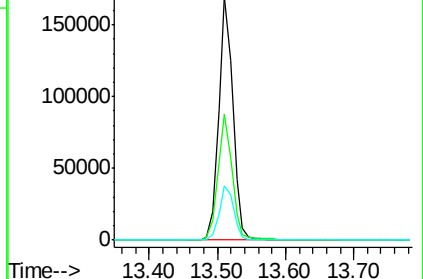
154 22.5 17.8 26.6

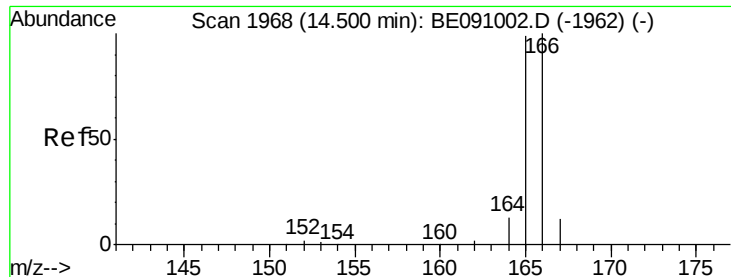


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

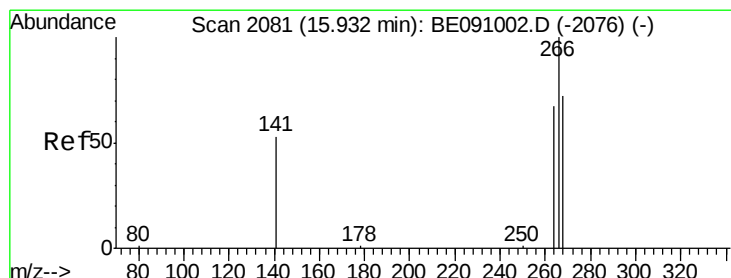
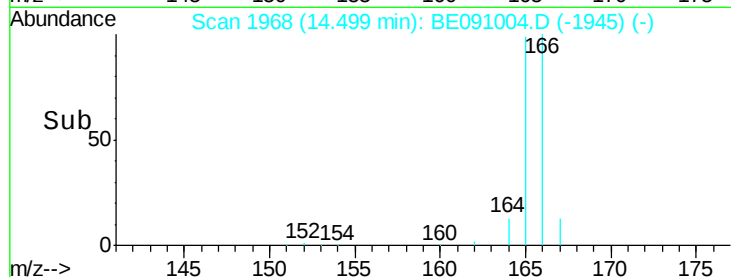
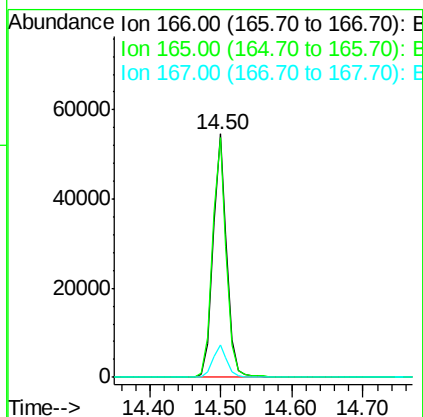
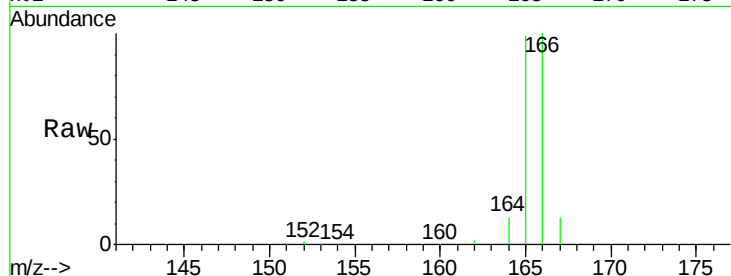




#9
Fluorene
 Concen: 1.55 ng/ul
 RT: 14.50 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BE091004.D
 Acq: 12 Oct 2015 21:05

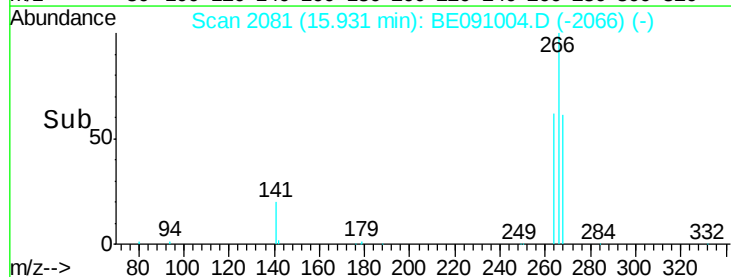
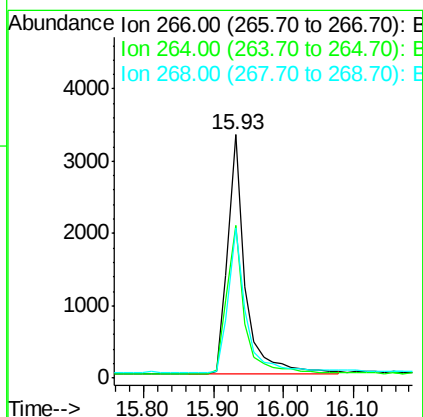
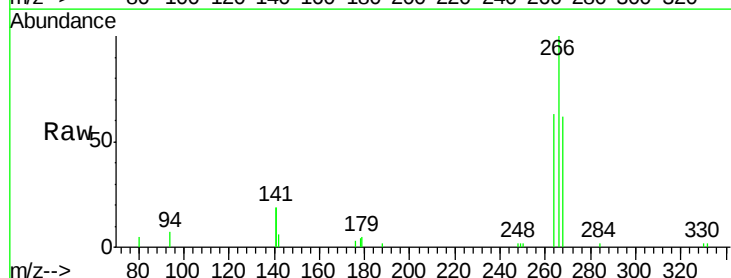
Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.671

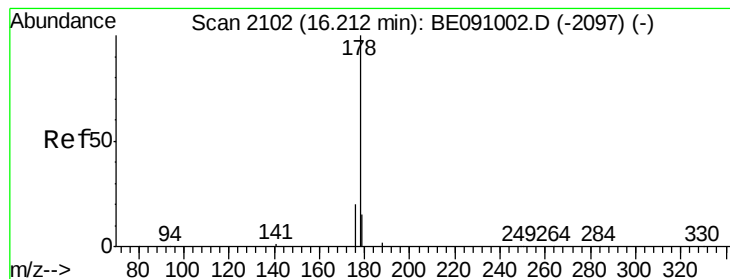
Tot Ion:166 Resp: 73984
 Ion Ratio Lower Upper
 166 100
 165 98.7 79.2 118.8
 167 13.4 10.4 15.6



#11
Pentachlorophenol
 Concen: 2.88 ng/ul
 RT: 15.93 min Scan# 2081
 Delta R.T. -0.00 min
 Lab File: BE091004.D
 Acq: 12 Oct 2015 21:05

Tgt Ion:266 Resp: 5791
 Ion Ratio Lower Upper
 266 100
 264 63.9 56.5 84.7
 268 63.1 56.6 84.8





#12

Phenanthrene

Concen: 1.50 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

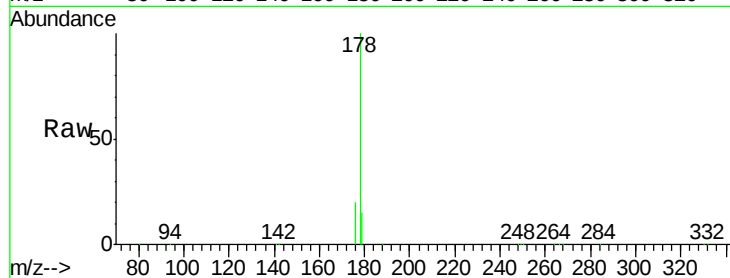
Tot Ion:178 Resp: 123226

Ion Ratio Lower Upper

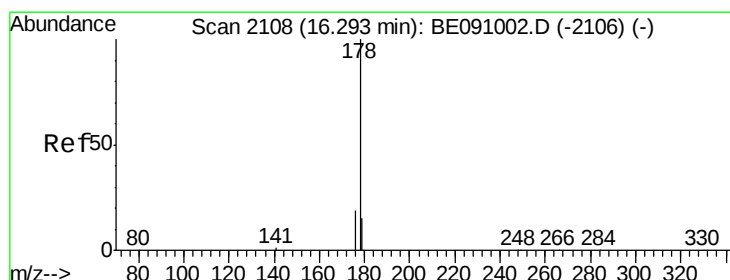
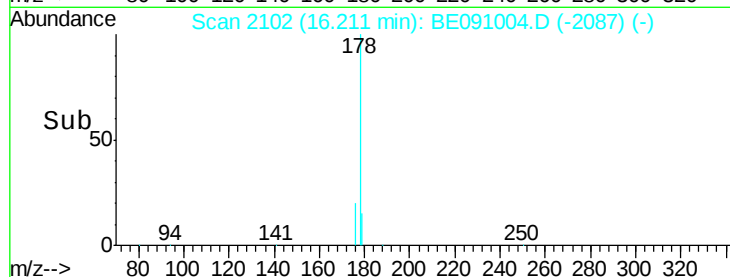
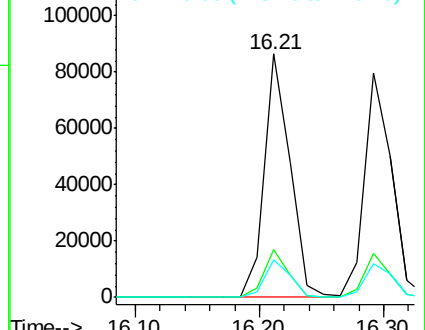
178 100

176 19.9 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: 1.54 ng/ul

RT: 16.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

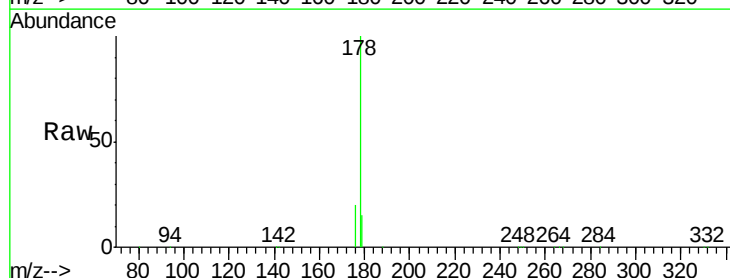
Tgt Ion:178 Resp: 120826

Ion Ratio Lower Upper

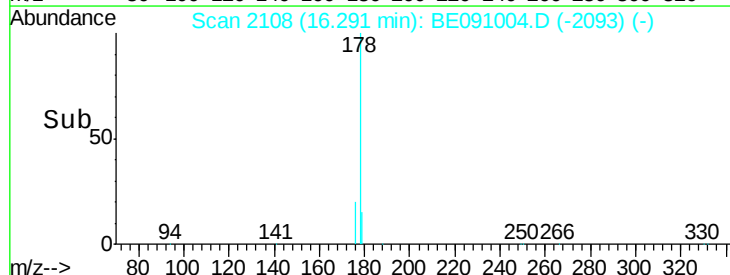
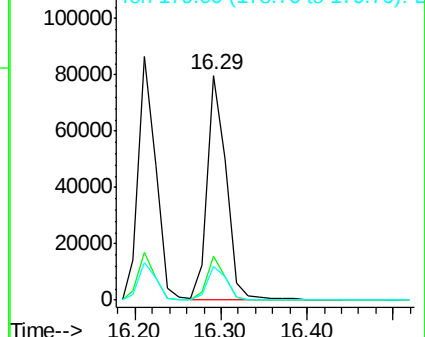
178 100

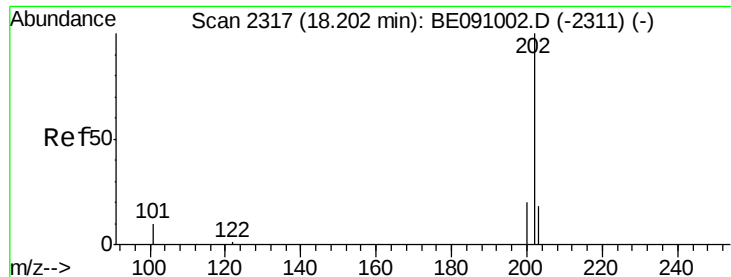
176 19.7 15.4 23.0

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

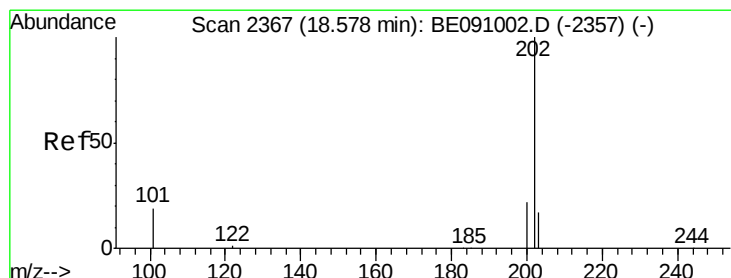
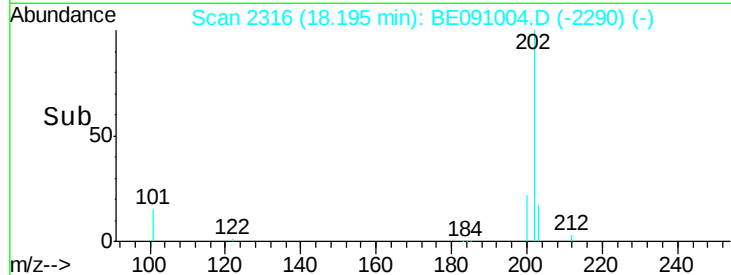
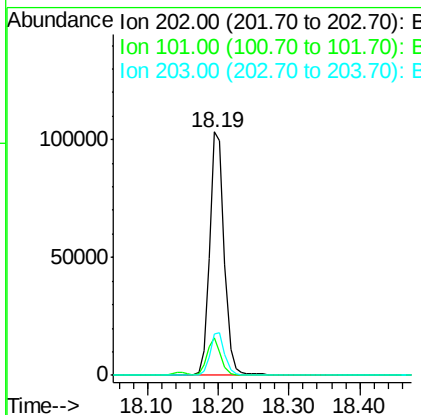
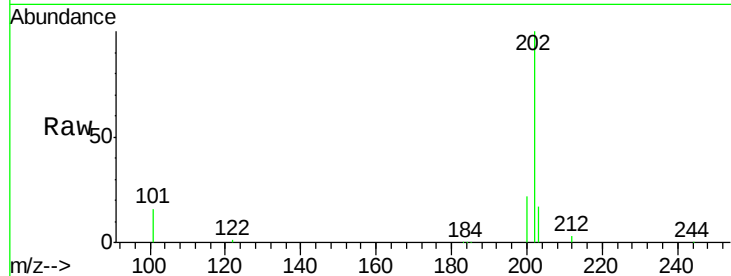




#15
 Fluoranthene
 Concen: 1.60 ng/ul
 RT: 18.19 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BE091004.D
 Acq: 12 Oct 2015 21:05

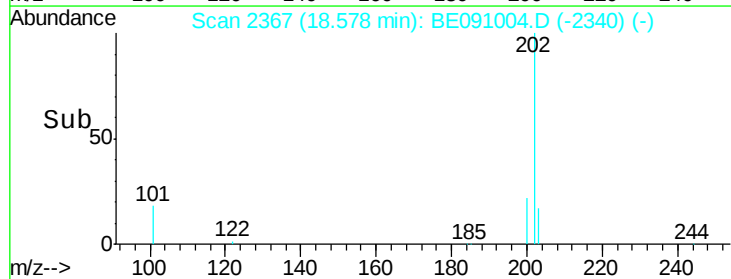
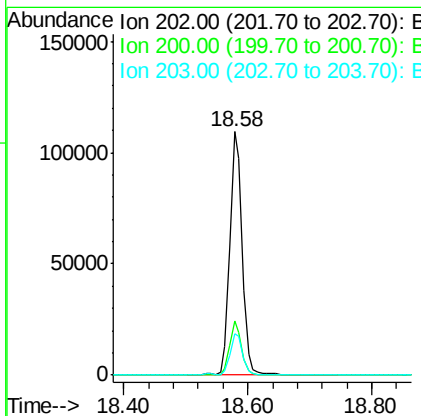
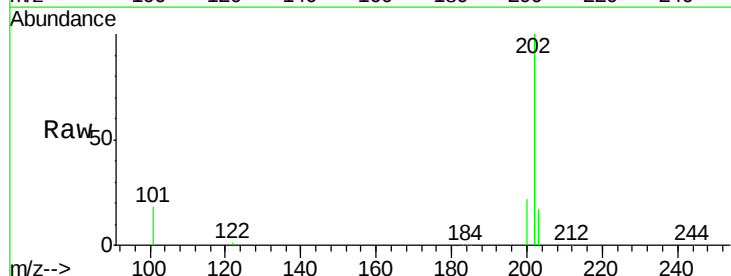
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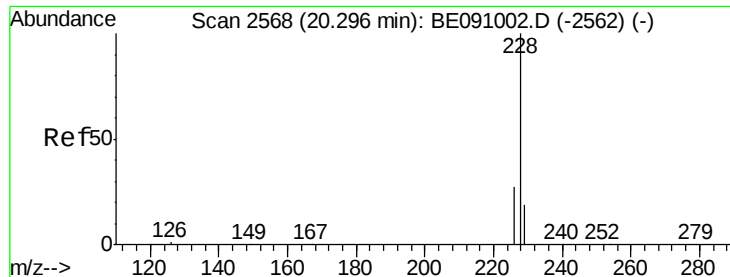
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	30.6
203	17.0	0.0	37.9



#17
 Pyrene
 Concen: 1.20 ng/ul
 RT: 18.58 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: BE091004.D
 Acq: 12 Oct 2015 21:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	16.8	14.0	21.0





#18

Benzo(a)anthracene

Concen: 1.38 ng/ul

RT: 20.30 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

BNA_E

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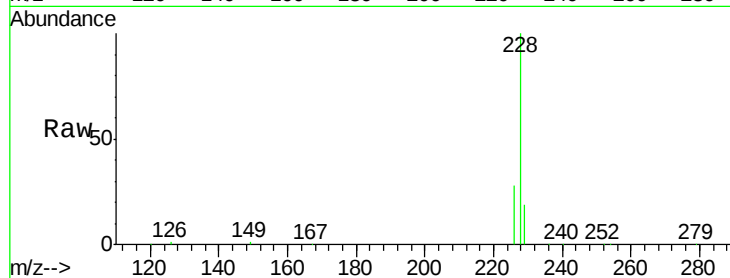
Tot Ion:228 Resp: 150725

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

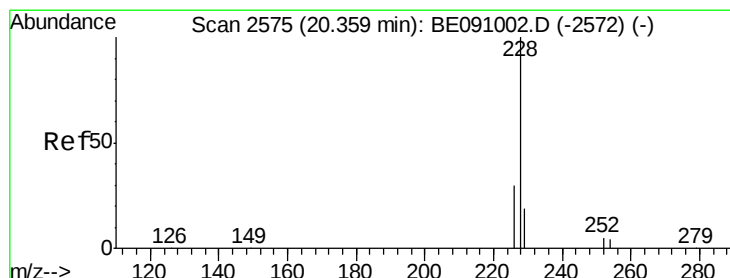
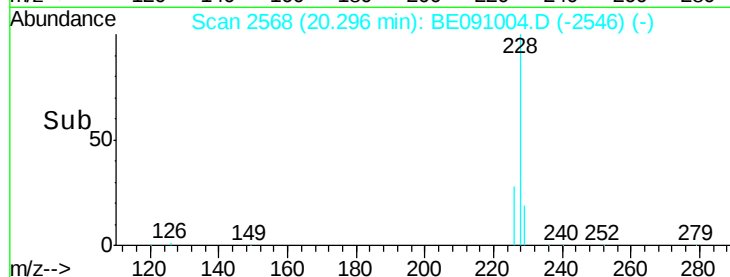
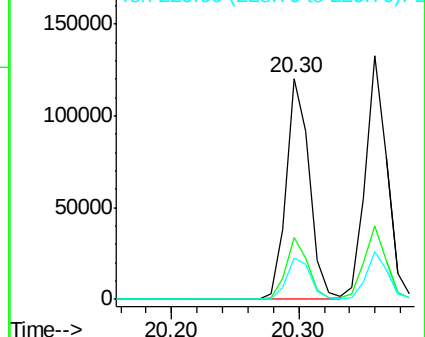
229 19.0 15.2 22.8



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: 1.46 ng/ul

RT: 20.36 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

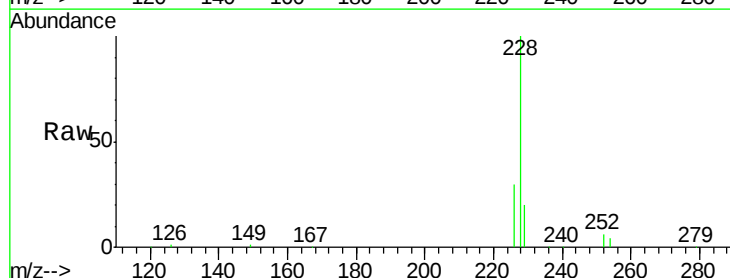
Tgt Ion:228 Resp: 158764

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

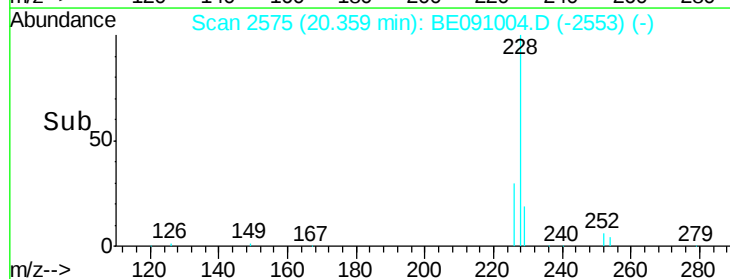
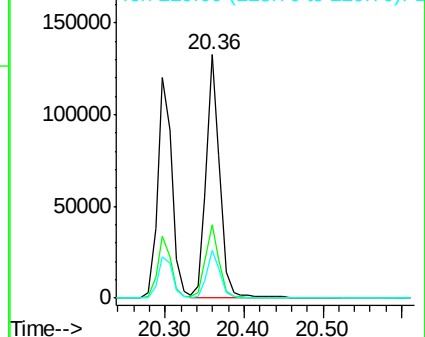
229 19.5 15.1 22.7

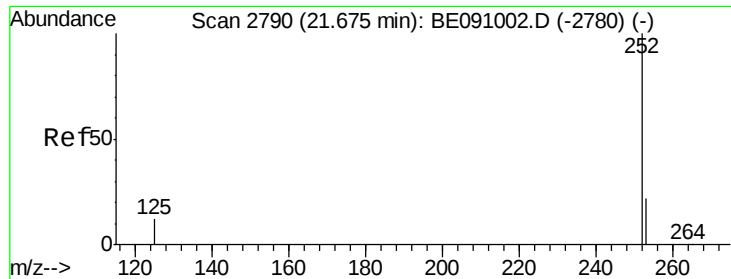


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.42 ng/ul

RT: 21.67 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

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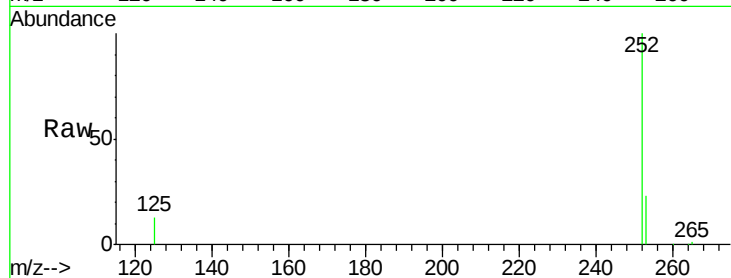
Tot Ion:252 Resp: 169484

Ion Ratio Lower Upper

252 100

253 23.2 0.0 51.6

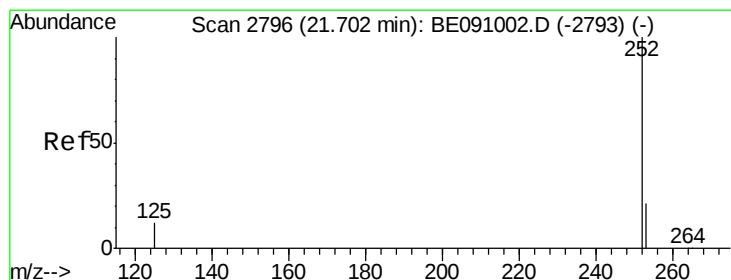
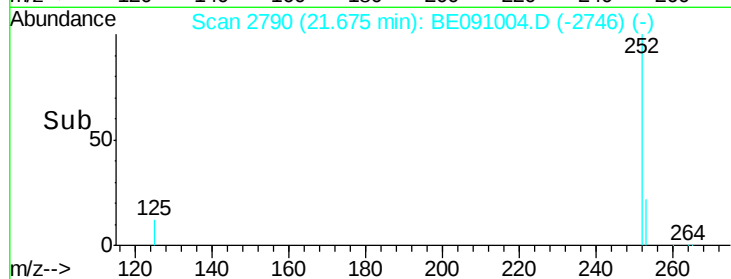
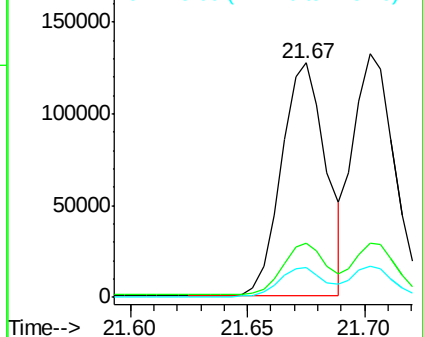
125 12.6 0.0 26.0



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: 1.43 ng/ul

RT: 21.70 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

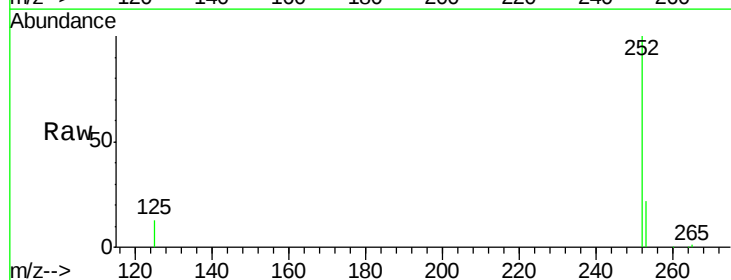
Tgt Ion:252 Resp: 167115

Ion Ratio Lower Upper

252 100

253 22.3 20.2 30.4

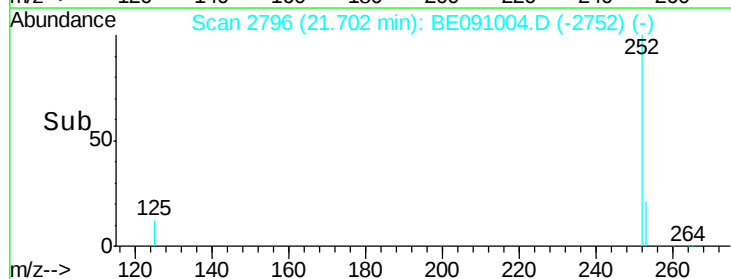
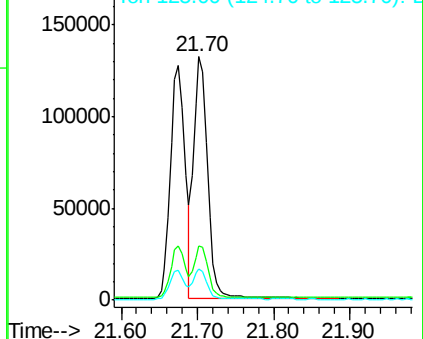
125 12.6 10.6 16.0

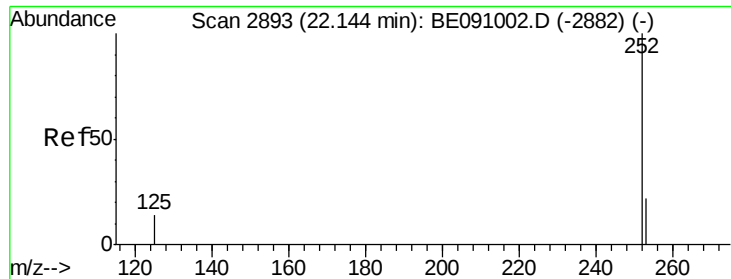


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.47 ng/ul

RT: 22.15 min Scan# 2894

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

Instrument :

BNA_E

ClientSampleId :

SSTD1.671

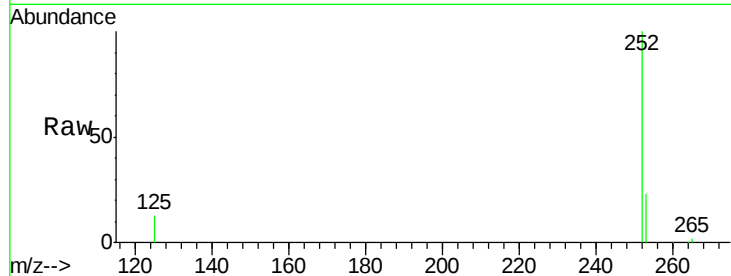
Tot Ion:252 Resp: 160116

Ion Ratio Lower Upper

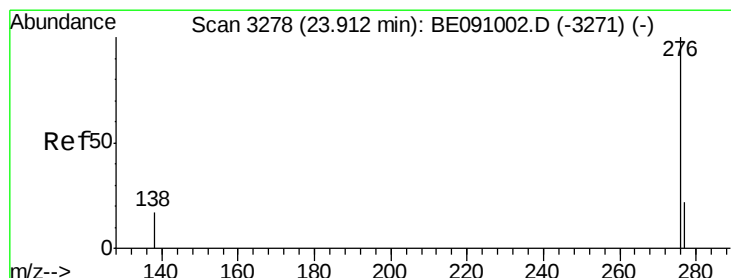
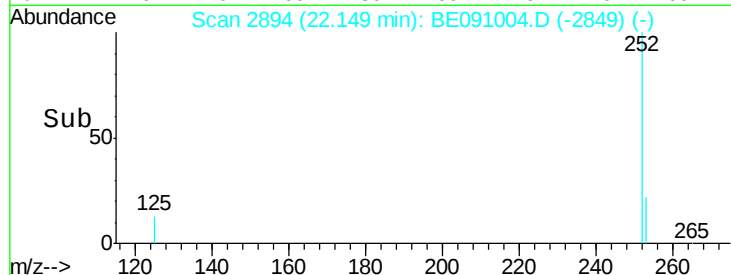
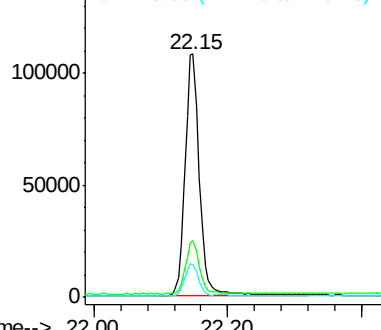
252 100

253 23.2 21.7 32.5

125 13.5 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: 1.52 ng/ul

RT: 23.92 min Scan# 3279

Delta R.T. 0.00 min

Lab File: BE091004.D

Acq: 12 Oct 2015 21:05

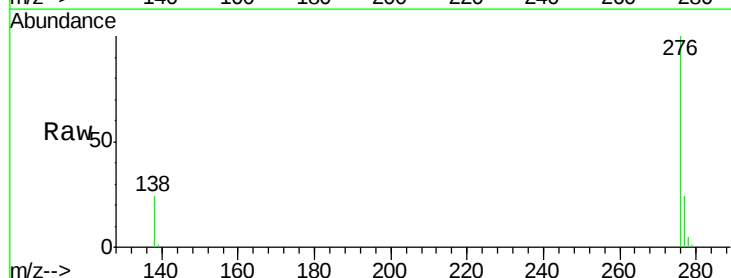
Tgt Ion:276 Resp: 169653

Ion Ratio Lower Upper

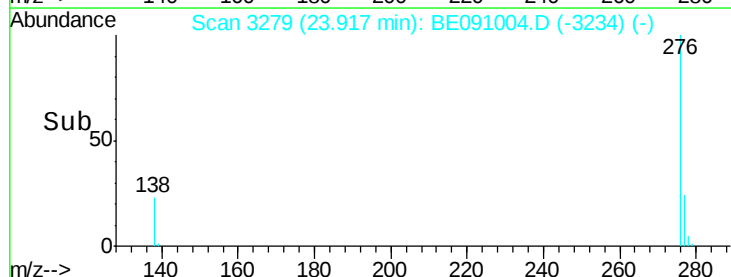
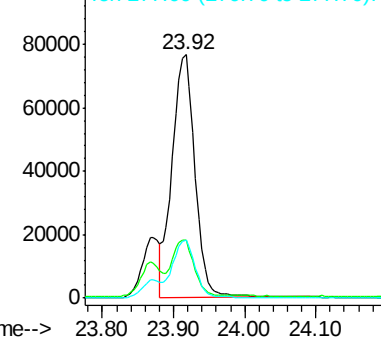
276 100

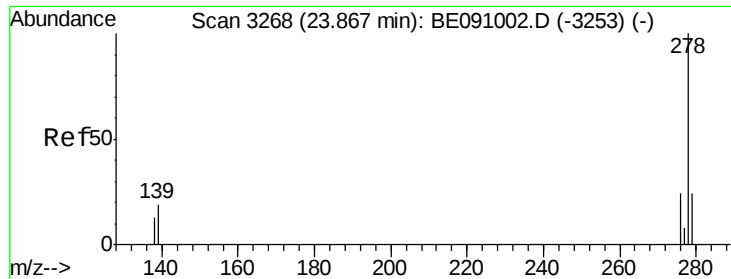
138 23.3 18.1 27.1

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

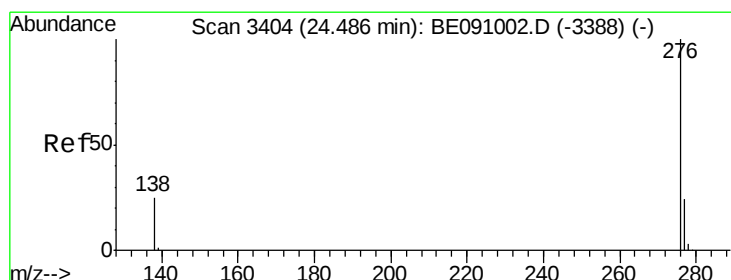
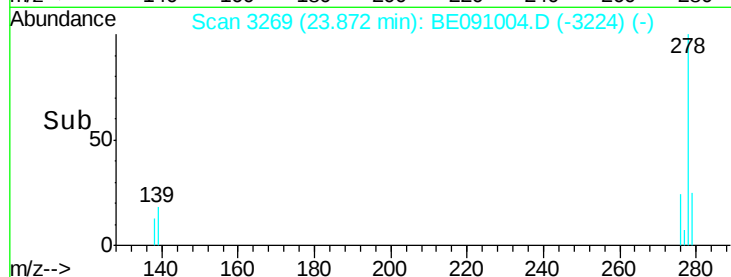
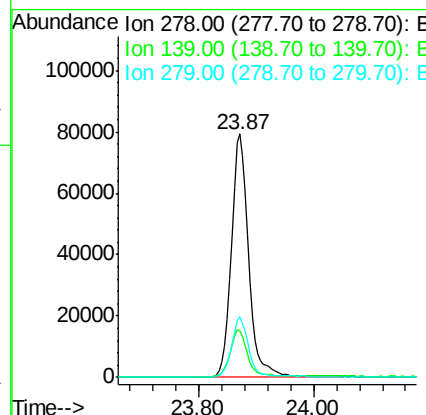
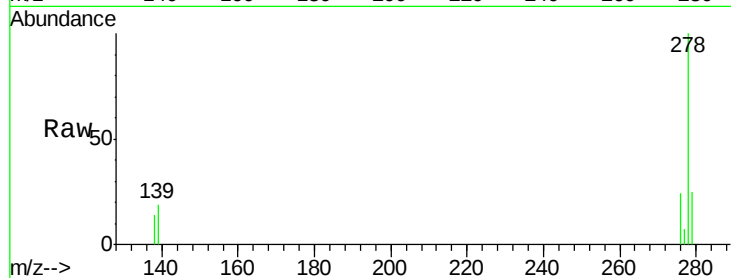




#25
Dibenzo(a,h)anthracene
Concen: 1.81 ng/ul
RT: 23.87 min Scan# 3269
Delta R.T. 0.00 min
Lab File: BE091004.D
Acq: 12 Oct 2015 21:05

Instrument :
BNA_E
ClientSampleId :
SSTD1.671

Tot Ion:278 Resp: 168642
Ion Ratio Lower Upper
278 100
139 18.9 16.1 24.1
279 24.8 20.1 30.1



#26
Benzo(g,h,i)perylene
Concen: 1.77 ng/ul
RT: 24.49 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BE091004.D
Acq: 12 Oct 2015 21:05

Tgt Ion:276 Resp: 178152
Ion Ratio Lower Upper
276 100
277 24.5 19.7 29.5
138 25.7 22.6 34.0

