

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101215\
 Data File : BE091002.D
 Acq On : 12 Oct 2015 19:53
 Operator : UM/IZ
 Sample : SSTD0.469
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.469

Quant Time: Oct 13 07:09:01 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	5064	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	23034	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.46	164	12557	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	31598	0.40	ng/ul	0.00
16) Chrysene-d12	20.33	240	39647	0.40	ng/ul	0.00
20) Perylene-d12	22.24	264	39869	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	13.20	152	96920	1.28	ng/ul	0.00
14) Fluoranthene-d10	18.17	212	34719	0.43	ng/ul	0.00

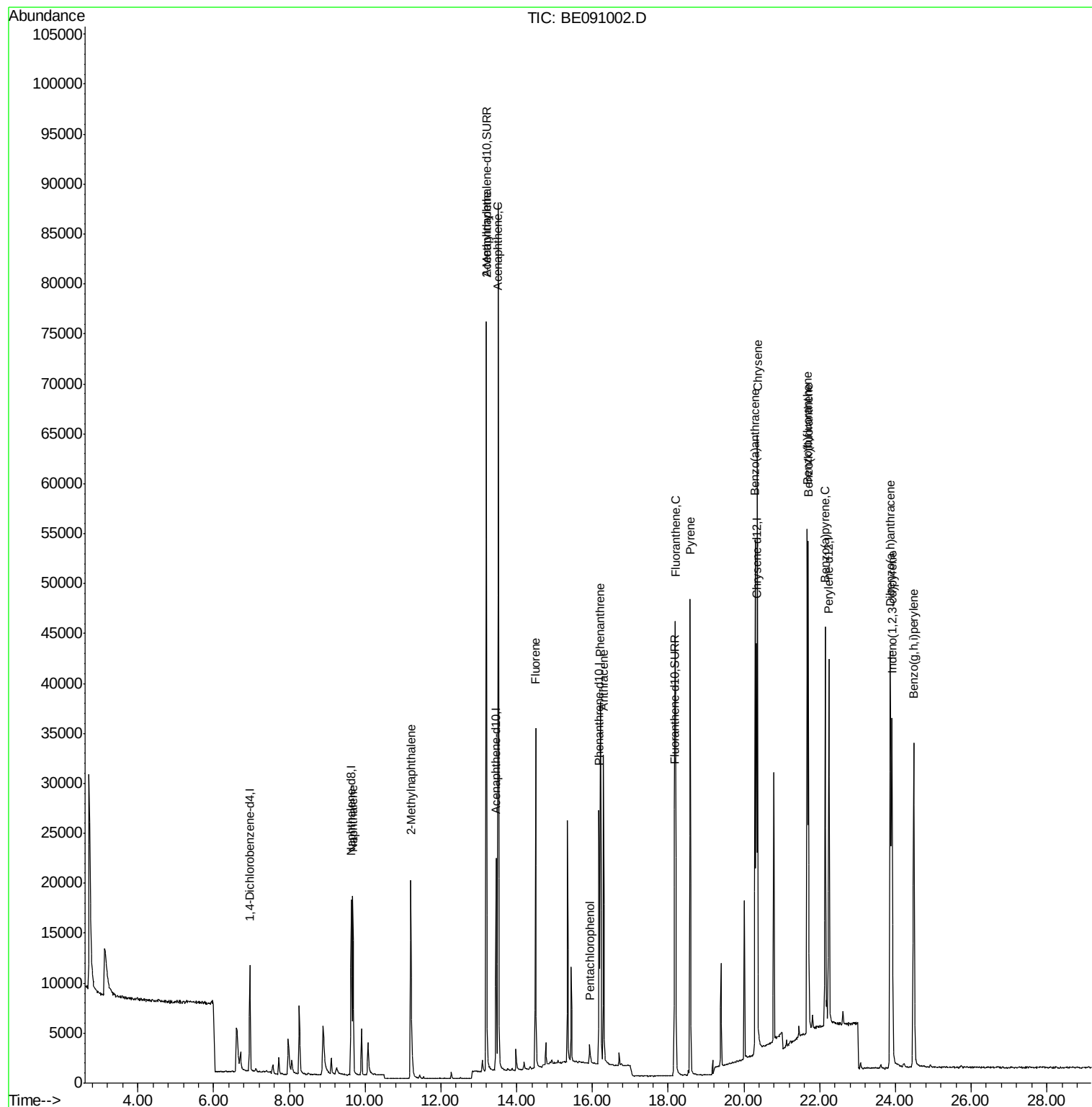
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.68	128	23540	0.39	ng/ul	100
5) 2-Methylnaphthalene	11.21	142	15449	0.38	ng/ul	100
7) Acenaphthylene	13.20	152	96920	1.12	ng/ul	100
8) Acenaphthene	13.51	153	69249	0.95	ng/ul	100
9) Fluorene	14.50	166	21148	0.40	ng/ul	100
11) Pentachlorophenol	15.93	266	1424	0.61	ng/ul	100
12) Phenanthrene	16.21	178	36520	0.38	ng/ul	100
13) Anthracene	16.29	178	34275	0.37	ng/ul	100
15) Fluoranthene	18.20	202	43248	0.40	ng/ul	100
17) Pyrene	18.58	202	44066	0.30	ng/ul	100
18) Benzo(a)anthracene	20.30	228	43834	0.34	ng/ul	100
19) Chrysene	20.36	228	47058	0.37	ng/ul	100
21) Benzo(b)fluoranthene	21.67	252	50677	0.36	ng/ul	100
22) Benzo(k)fluoranthene	21.70	252	48605	0.35	ng/ul	100
23) Benzo(a)pyrene	22.14	252	46380	0.36	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	23.91	276	49219	0.37	ng/ul	100
25) Dibenzo(a,h)anthracene	23.87	278	49173	0.44	ng/ul	100
26) Benzo(g,h,i)perylene	24.49	276	52516	0.44	ng/ul	100

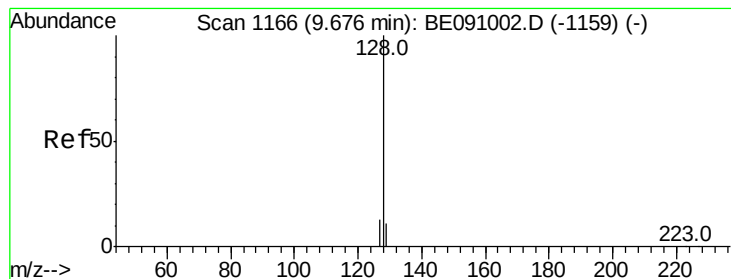
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 9.68 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.469

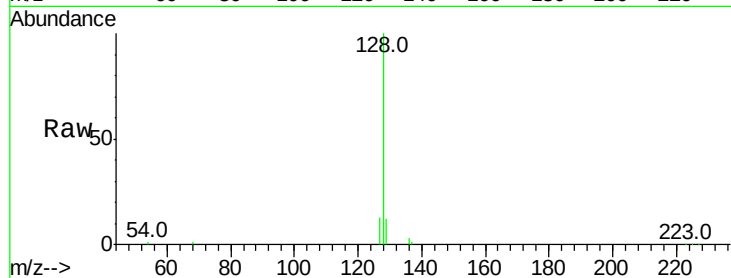
Tot Ion:128 Resp: 23540

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

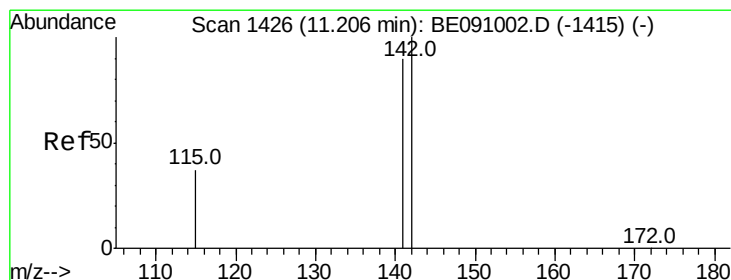
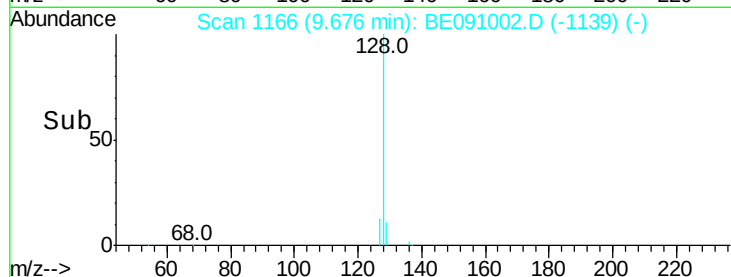
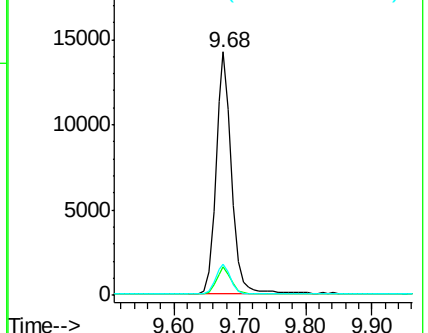
127 13.0 10.4 15.6



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: 0.38 ng/ul

RT: 11.21 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE091002.D

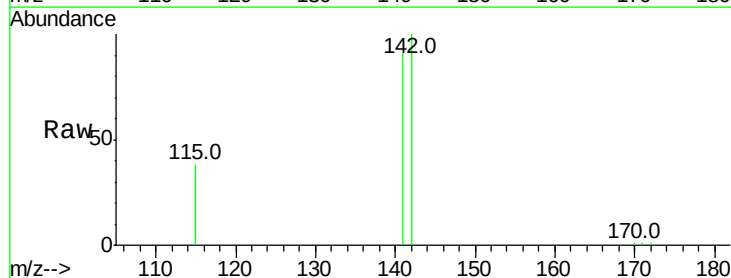
Acq: 12 Oct 2015 19:53

Tgt Ion:142 Resp: 15449

Ion Ratio Lower Upper

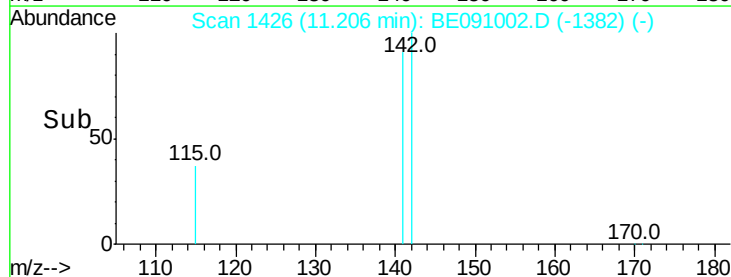
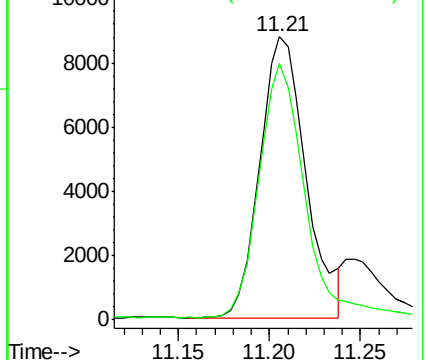
142 100

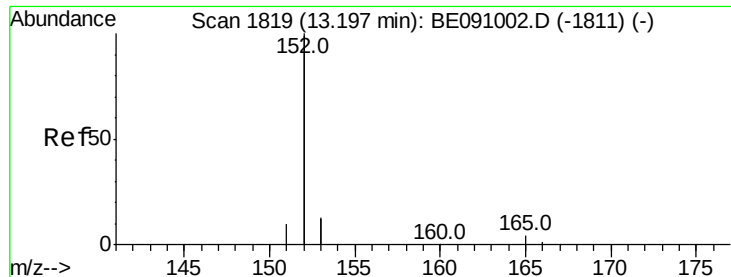
141 92.1 73.7 110.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.12 ng/ul

RT: 13.20 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.469

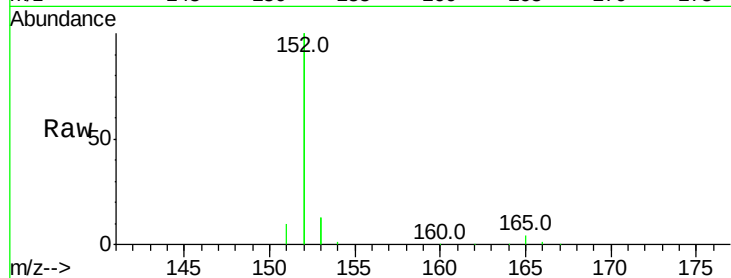
Tot Ion:152 Resp: 96920

Ion Ratio Lower Upper

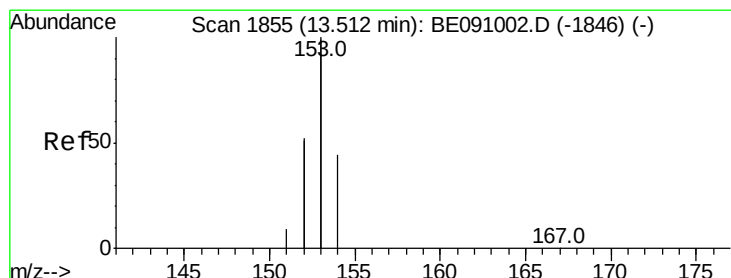
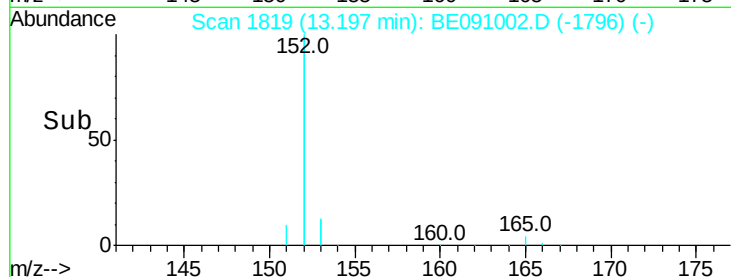
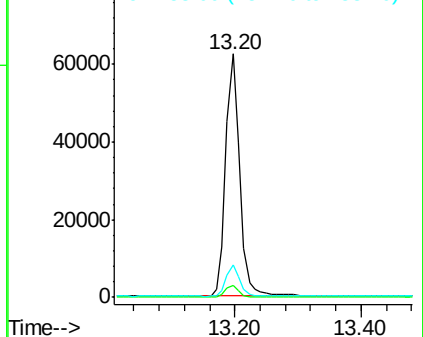
152 100

151 4.9 3.9 5.9

153 13.2 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: 0.95 ng/ul

RT: 13.51 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

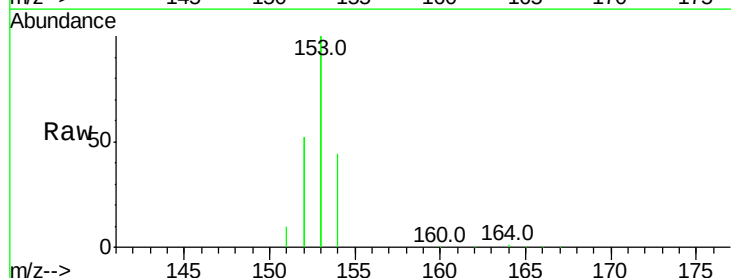
Tgt Ion:153 Resp: 69249

Ion Ratio Lower Upper

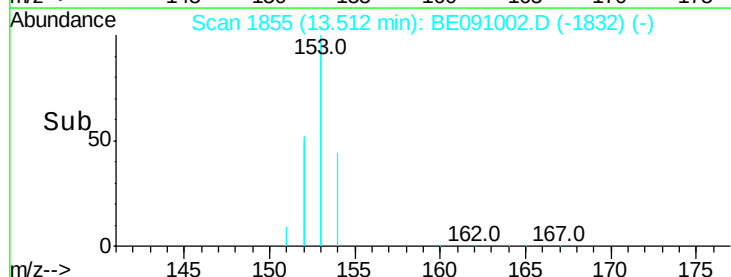
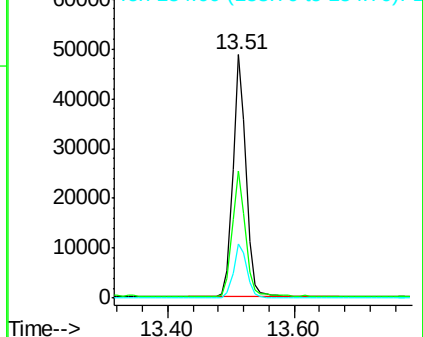
153 100

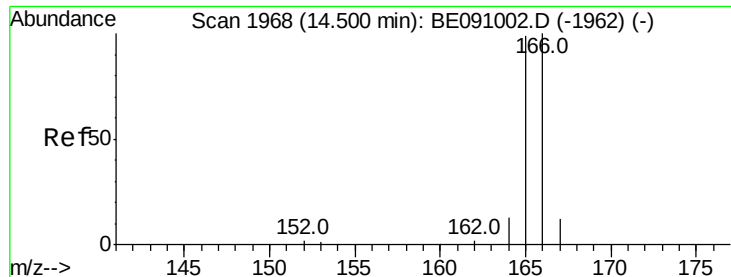
152 52.3 41.8 62.8

154 22.2 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

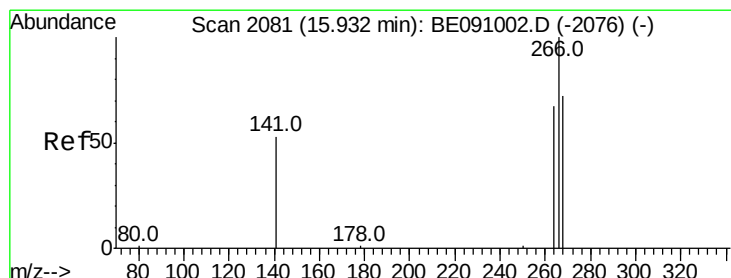
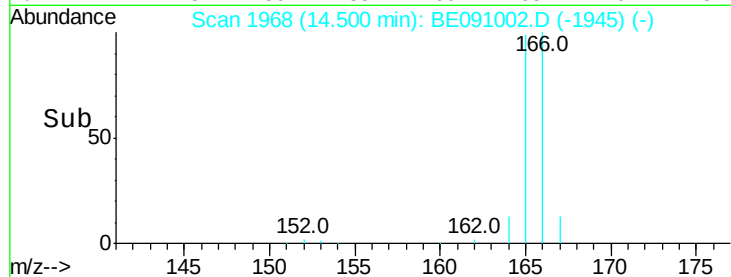
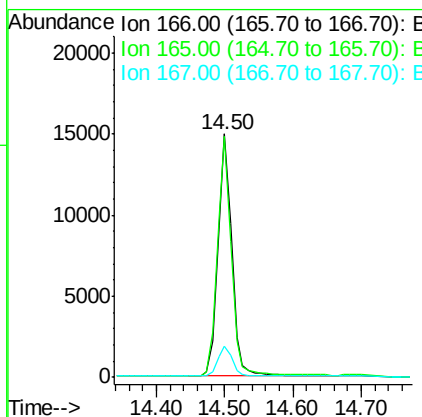
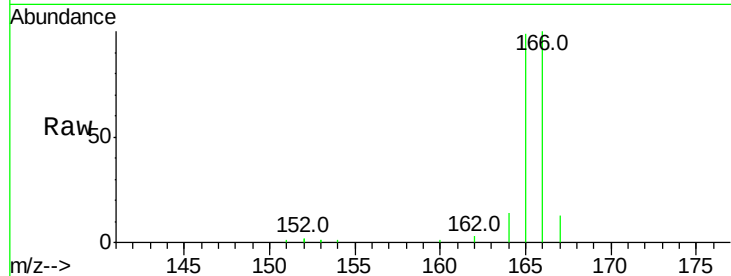




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 14.50 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: BE091002.D
 Acq: 12 Oct 2015 19:53

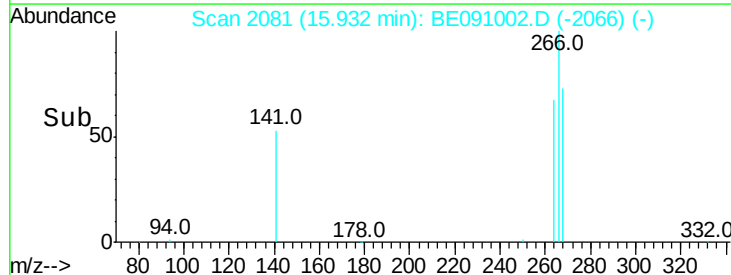
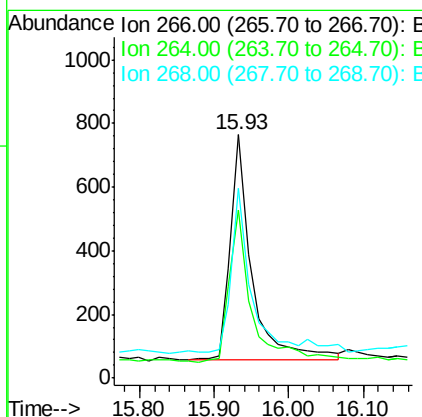
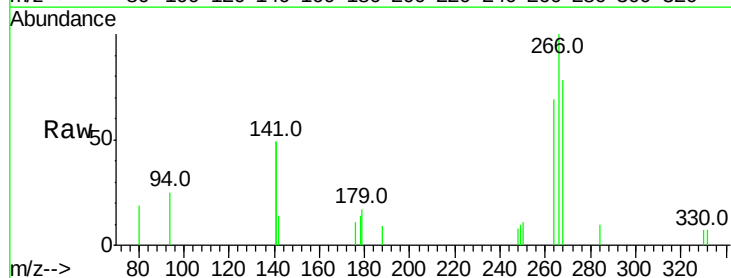
Instrument :
 BNA_E
 ClientSampleId :
 SST00.469

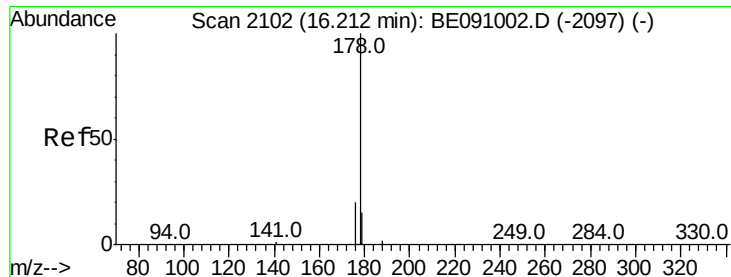
Tot Ion:166 Resp: 21148
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.2 118.8
 167 13.0 10.4 15.6



#11
Pentachlorophenol
 Concen: 0.61 ng/ul
 RT: 15.93 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: BE091002.D
 Acq: 12 Oct 2015 19:53

Tgt Ion:266 Resp: 1424
 Ion Ratio Lower Upper
 266 100
 264 70.6 56.5 84.7
 268 70.7 56.6 84.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 16.21 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

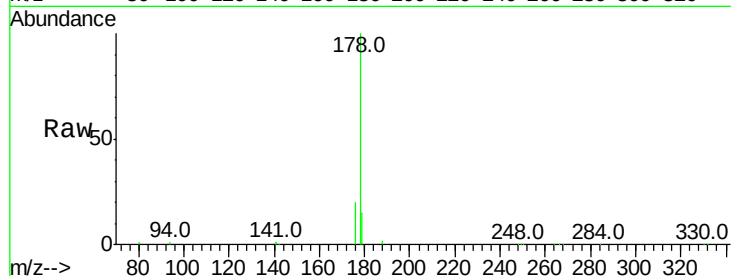
BNA_E

ClientSampleId :

SSTD0.469

Tot Ion:178 Resp: 36520

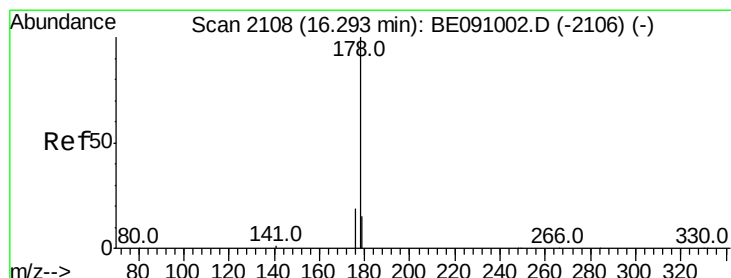
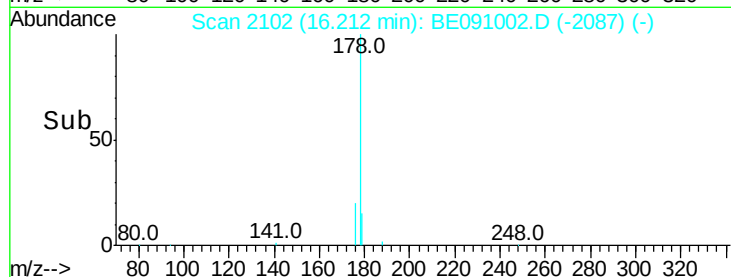
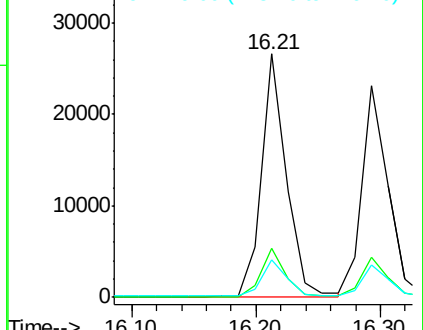
Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.2	12.2	18.2



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: 0.37 ng/ul

RT: 16.29 min Scan# 2108

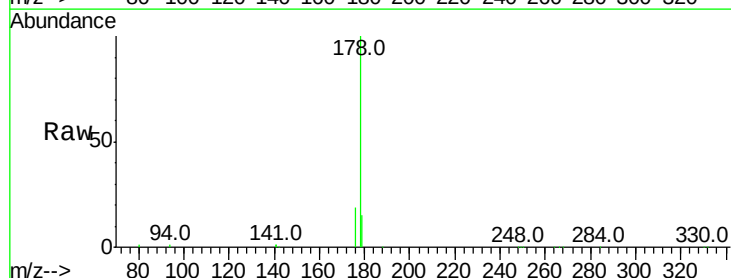
Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Tgt Ion:178 Resp: 34275

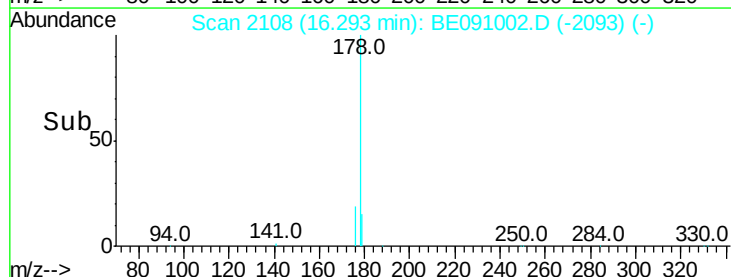
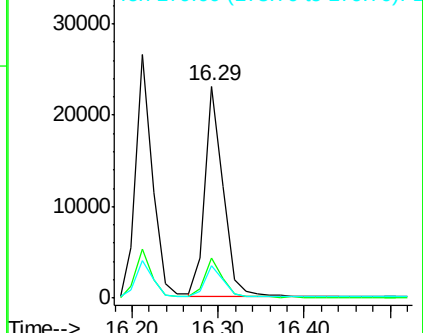
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.2	12.2	18.2

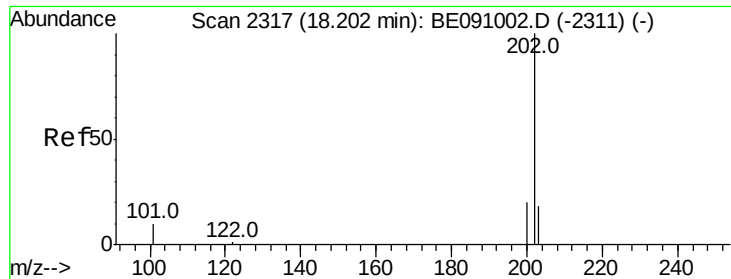


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

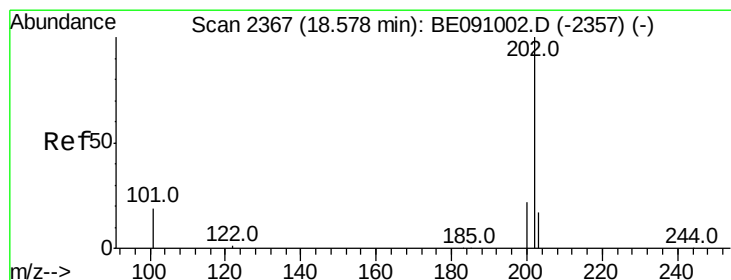
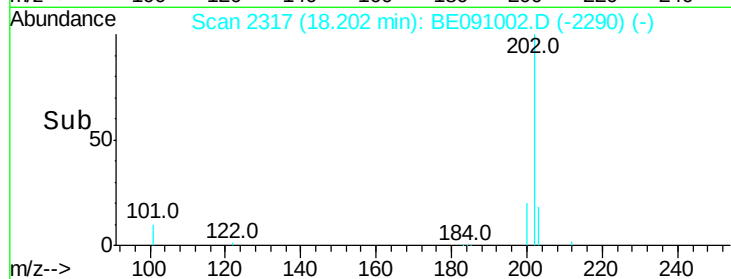
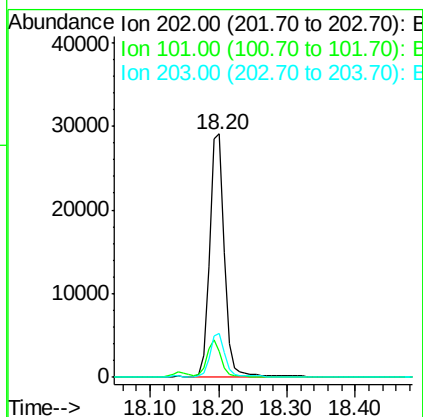
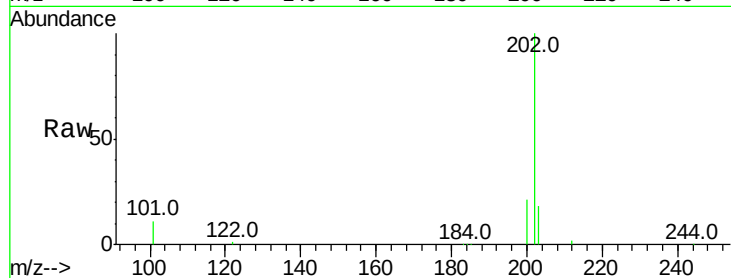




#15
 Fluoranthene
 Concen: 0.40 ng/ul
 RT: 18.20 min Scan# 2317
 Delta R.T. 0.00 min
 Lab File: BE091002.D
 Acq: 12 Oct 2015 19:53

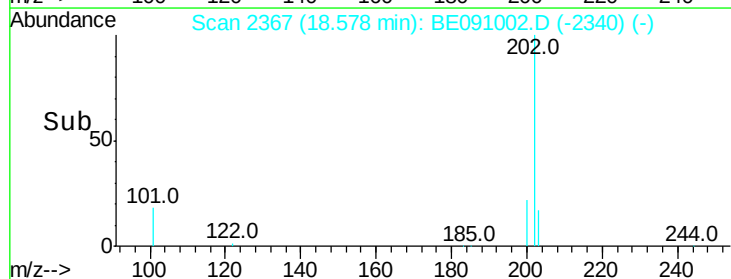
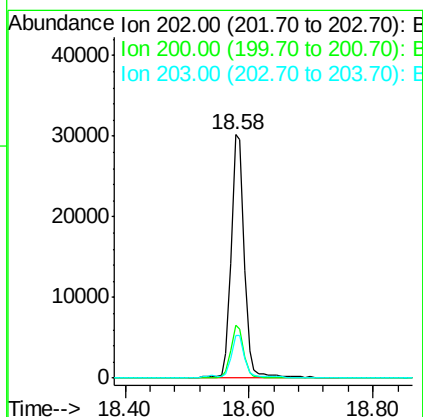
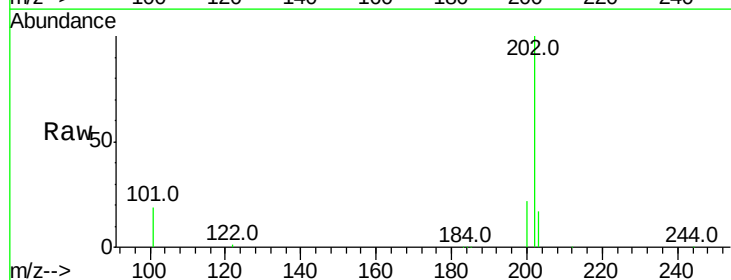
Instrument :
 BNA_E
 ClientSampleId :
 SST00.469

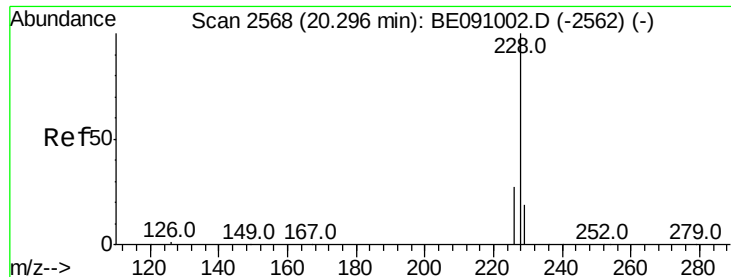
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.6
203	17.9	0.0	37.9



#17
 Pyrene
 Concen: 0.30 ng/ul
 RT: 18.58 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: BE091002.D
 Acq: 12 Oct 2015 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.0	21.0





#18

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 20.30 min Scan# 2568

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.469

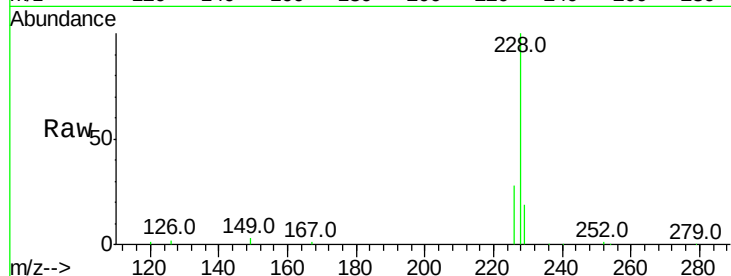
Tot Ion:228 Resp: 43834

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

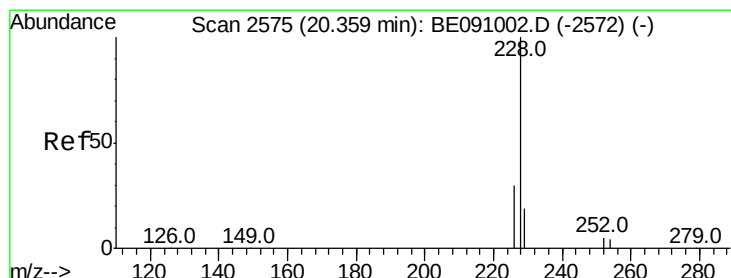
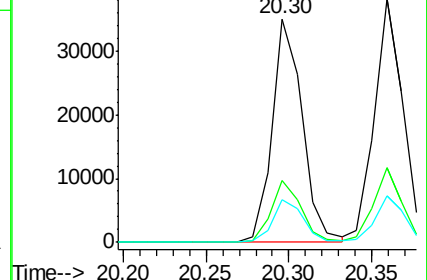
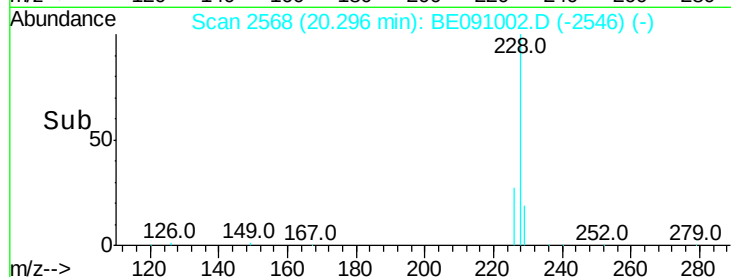
229 19.0 15.2 22.8



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: 0.37 ng/ul

RT: 20.36 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

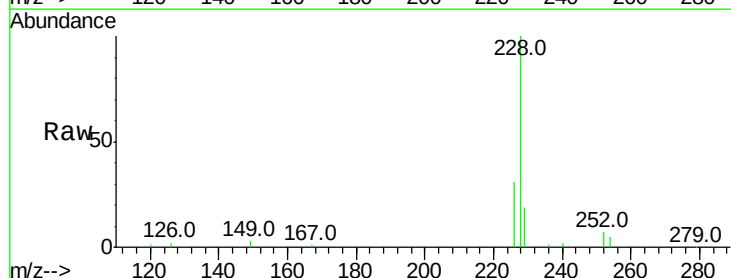
Tgt Ion:228 Resp: 47058

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

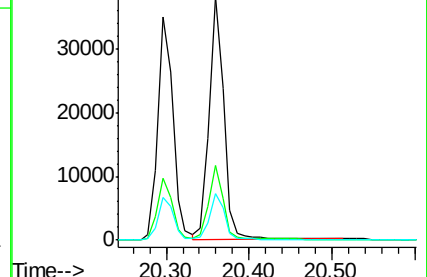
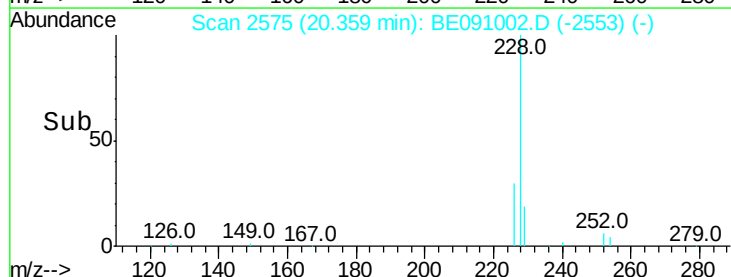
229 18.9 15.1 22.7

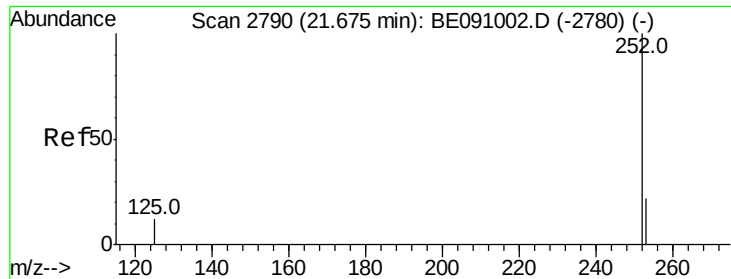


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 21.67 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.469

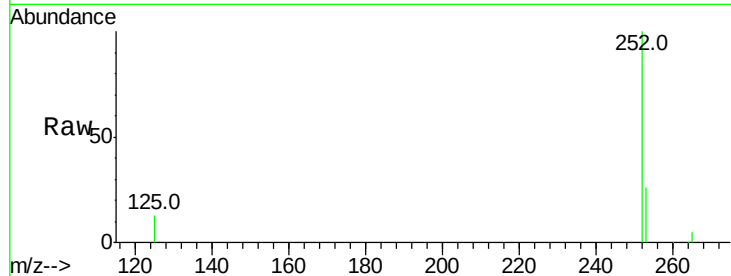
Tot Ion:252 Resp: 50677

Ion Ratio Lower Upper

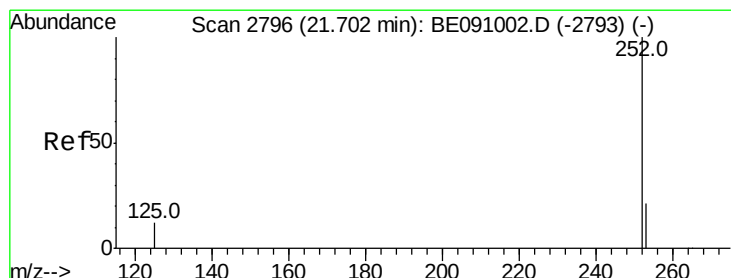
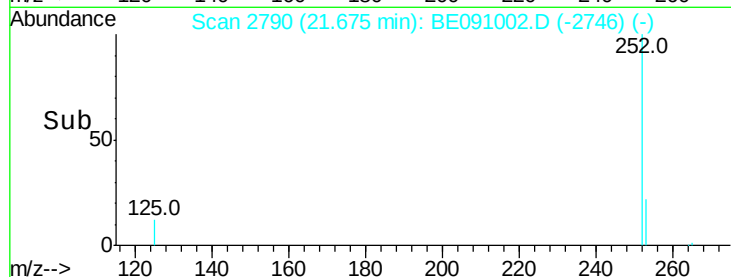
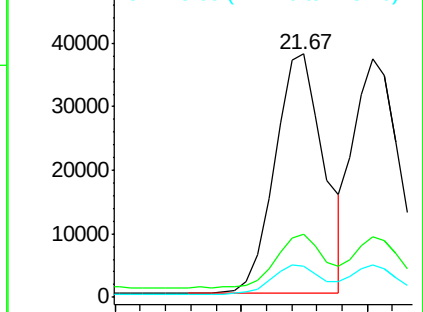
252 100

253 25.8 0.0 51.6

125 13.0 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: 0.35 ng/ul

RT: 21.70 min Scan# 2796

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

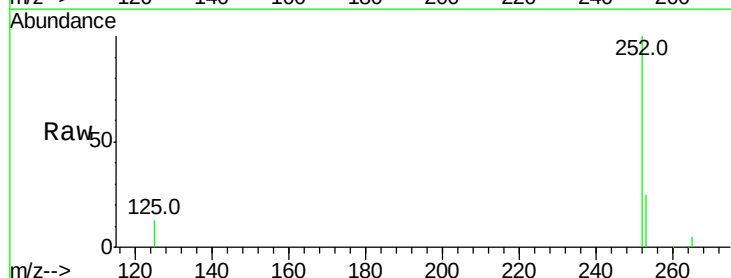
Tgt Ion:252 Resp: 48605

Ion Ratio Lower Upper

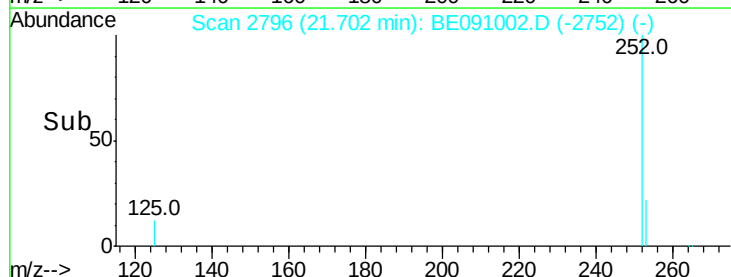
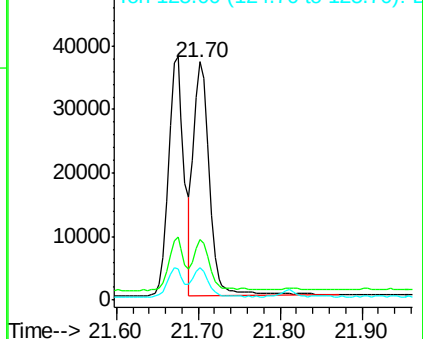
252 100

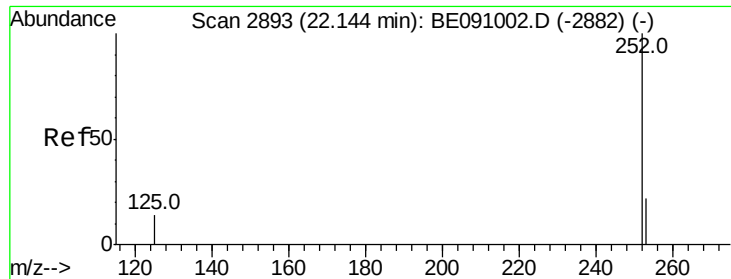
253 25.3 20.2 30.4

125 13.3 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: 0.36 ng/ul

RT: 22.14 min Scan# 2893

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

Instrument :

BNA_E

ClientSampleId :

SSTD0.469

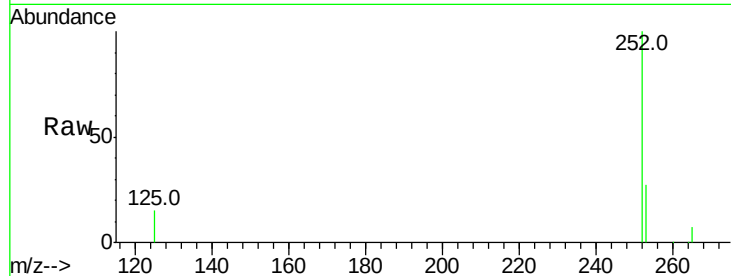
Tot Ion:252 Resp: 46380

Ion Ratio Lower Upper

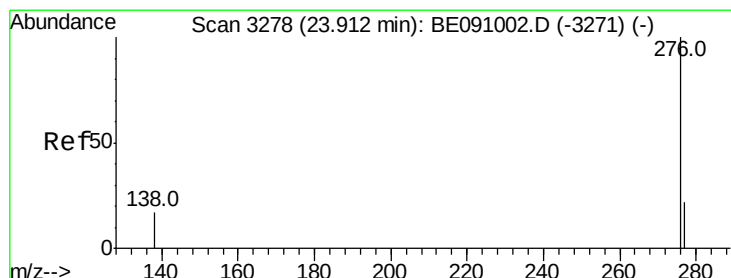
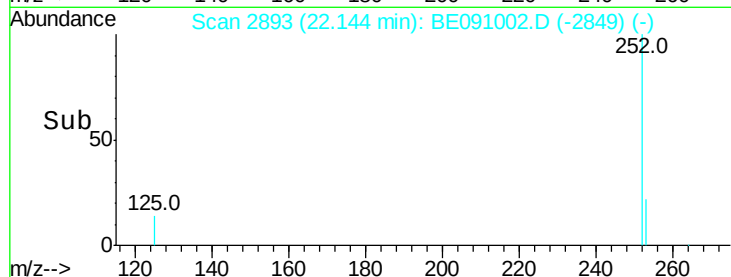
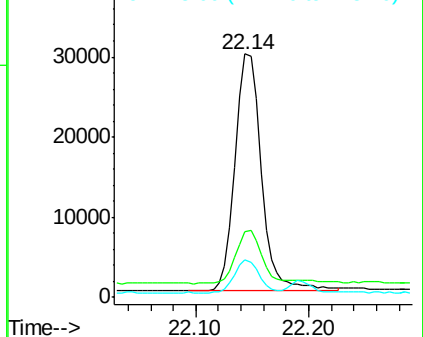
252 100

253 27.1 21.7 32.5

125 15.2 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: 0.37 ng/ul

RT: 23.91 min Scan# 3278

Delta R.T. 0.00 min

Lab File: BE091002.D

Acq: 12 Oct 2015 19:53

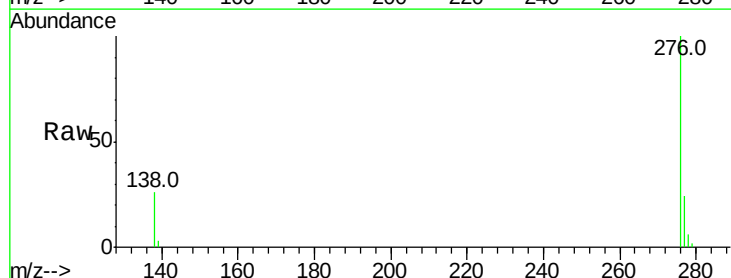
Tgt Ion:276 Resp: 49219

Ion Ratio Lower Upper

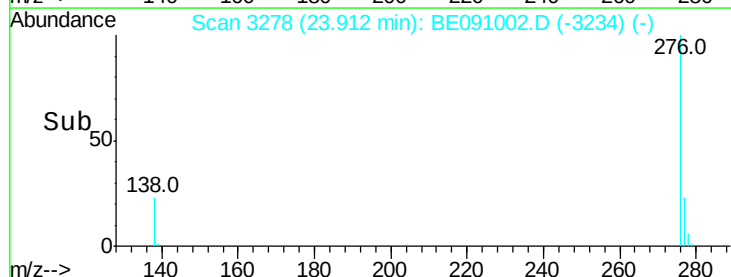
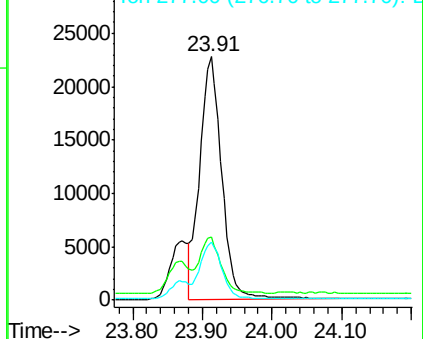
276 100

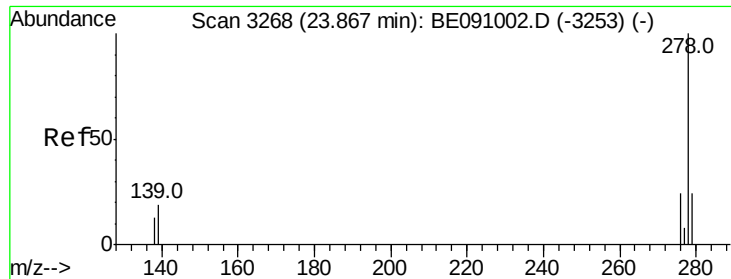
138 22.6 18.1 27.1

277 23.8 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

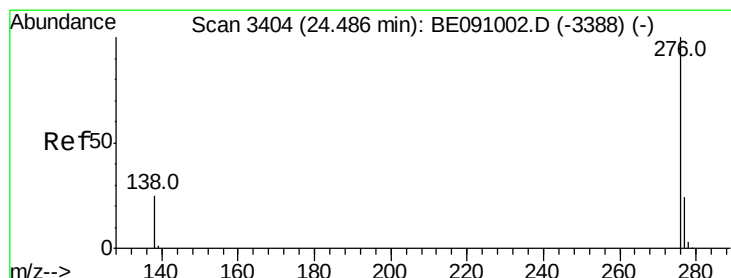
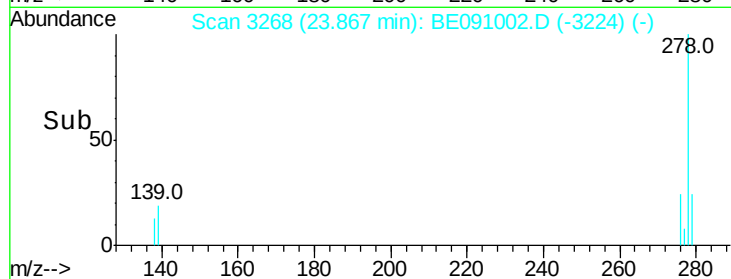
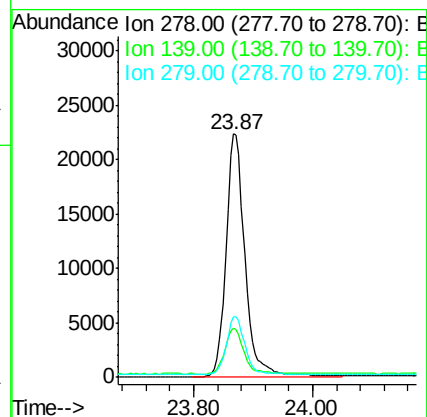
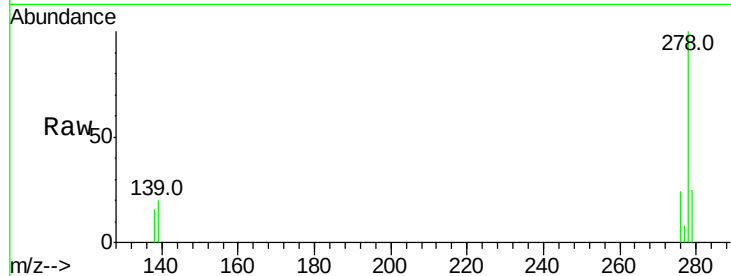




#25
Dibenzo(a,h)anthracene
Concen: 0.44 ng/ul
RT: 23.87 min Scan# 3268
Delta R.T. 0.00 min
Lab File: BE091002.D
Acq: 12 Oct 2015 19:53

Instrument :
BNA_E
ClientSampleId :
SSTD0.469

Tot Ion:278 Resp: 49173
Ion Ratio Lower Upper
278 100
139 20.1 16.1 24.1
279 25.1 20.1 30.1



#26
Benzo(g,h,i)perylene
Concen: 0.44 ng/ul
RT: 24.49 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BE091002.D
Acq: 12 Oct 2015 19:53

Tgt Ion:276 Resp: 52516
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 28.3 22.6 34.0

