

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071415\
 Data File : BE090100.D
 Acq On : 14 Jul 2015 16:06
 Operator : TP/IZ
 Sample : SSTD0.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.403

Quant Time: Jul 15 00:45:56 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE071415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 15 00:44:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1448	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	6549	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	3777	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	8740	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8642	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	6143	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	4256	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	10176	0.42	ng/ul	0.00

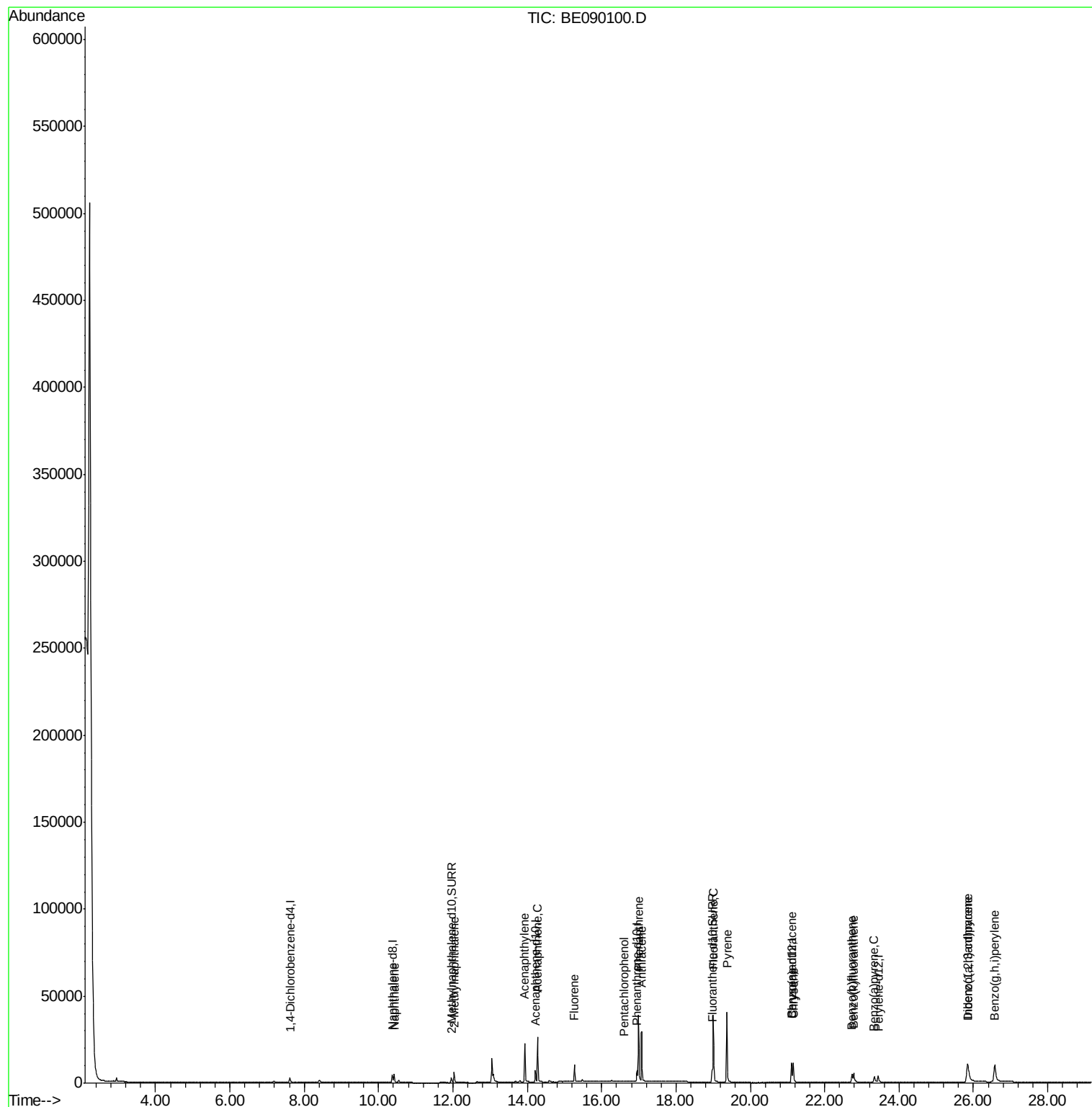
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	7202	0.37	ng/ul	100
5) 2-Methylnaphthalene	12.04	142	4787	0.37	ng/ul	100
7) Acenaphthylene	13.93	152	31854	0.95	ng/ul	100
8) Acenaphthene	14.28	153	22099	0.94	ng/ul	100
9) Fluorene	15.27	166	6561	0.37	ng/ul	100
11) Pentachlorophenol	16.61	266	311	0.15	ng/ul	100
12) Phenanthrene	16.99	178	42236	0.93	ng/ul	100
13) Anthracene	17.08	178	40745	0.93	ng/ul	100
15) Fluoranthene	19.00	202	46534	0.92	ng/ul	100
17) Pyrene	19.37	202	47611	0.86	ng/ul	100
18) Benzo(a)anthracene	21.11	228	9072	0.29	ng/ul	100
19) Chrysene	21.16	228	11672	0.36	ng/ul	100
21) Benzo(b)fluoranthene	22.73	252	6758	0.26	ng/ul	100
22) Benzo(k)fluoranthene	22.78	252	10125	0.43	ng/ul	100
23) Benzo(a)pyrene	23.33	252	7581	0.32	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.85	276	30064	0.84	ng/ul	100
25) Dibenzo(a,h)anthracene	25.86	278	5610	0.29	ng/ul	100
26) Benzo(g,h,i)perylene	26.58	276	28298	0.89	ng/ul	100

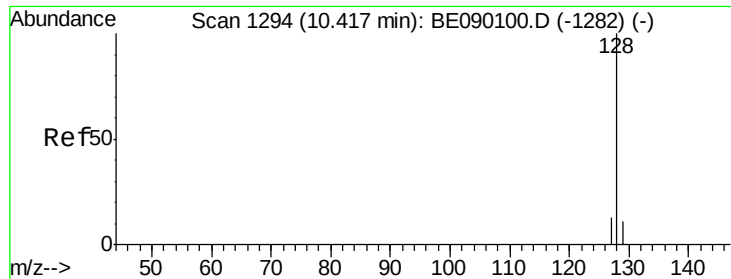
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.37 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

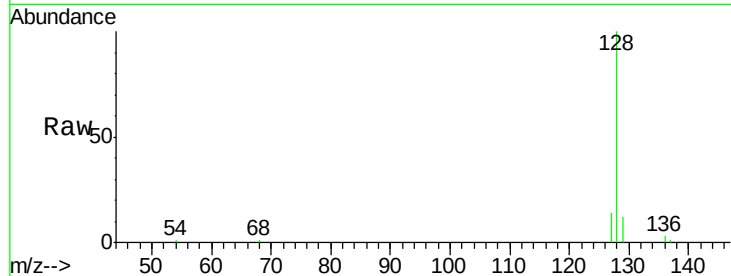
Tgt Ion:128 Resp: 7202

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.2

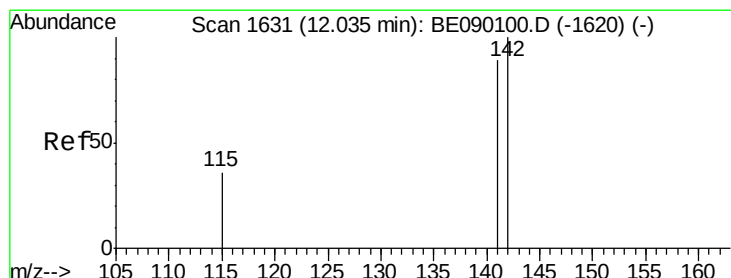
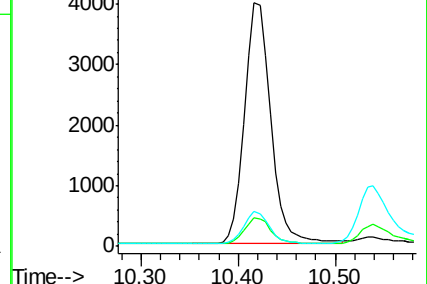
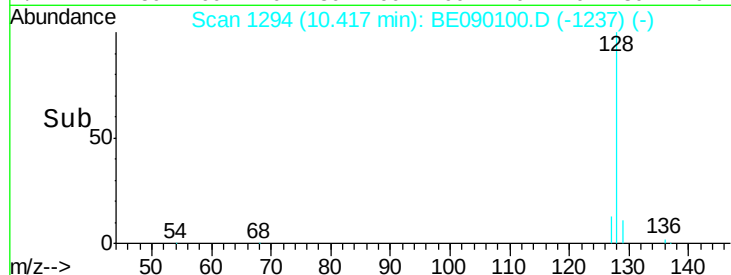
127 14.4 11.5 17.3



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: 0.37 ng/ul

RT: 12.04 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE090100.D

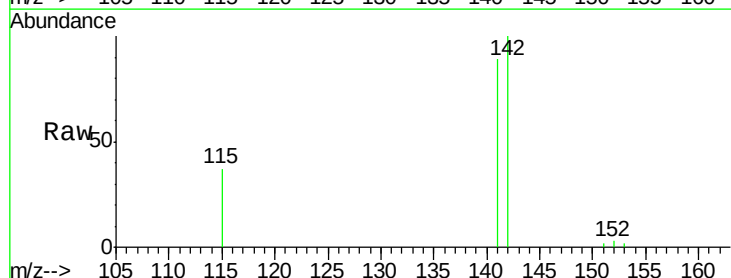
Acq: 14 Jul 2015 16:06

Tgt Ion:142 Resp: 4787

Ion Ratio Lower Upper

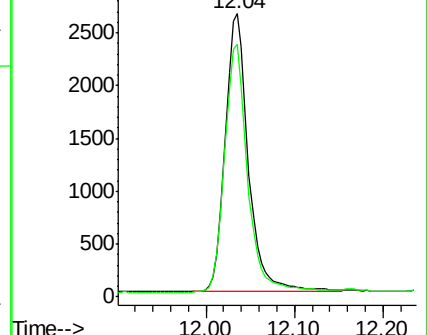
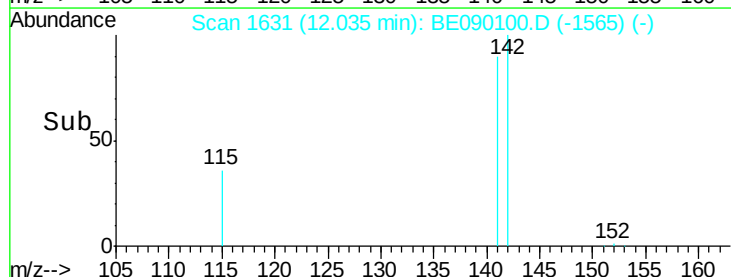
142 100

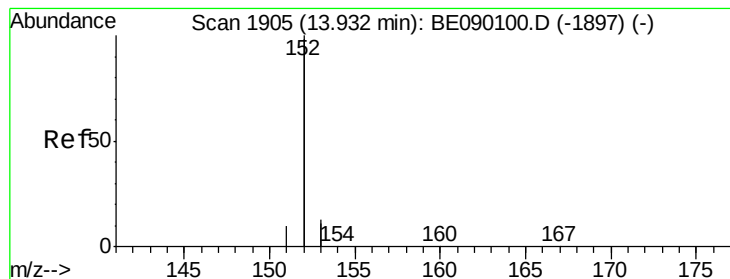
141 88.8 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.95 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

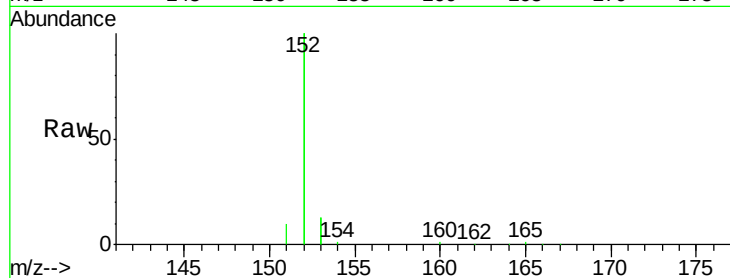
Tgt Ion:152 Resp: 31854

Ion Ratio Lower Upper

152 100

151 5.1 4.1 6.1

153 13.4 10.7 16.1



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

25000

20000

15000

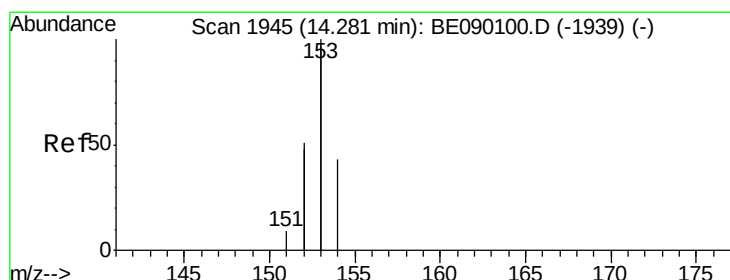
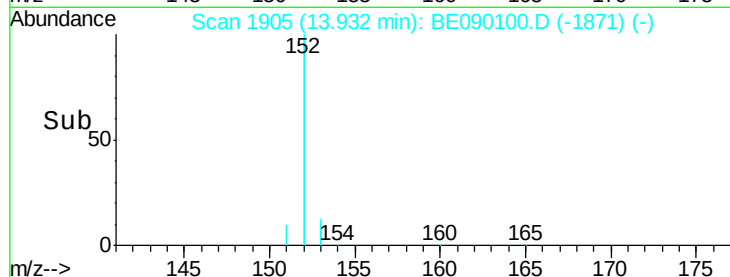
10000

5000

0

13.80 13.93 14.00 14.20

Time-->



#8

Acenaphthene

Concen: 0.94 ng/ul

RT: 14.28 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

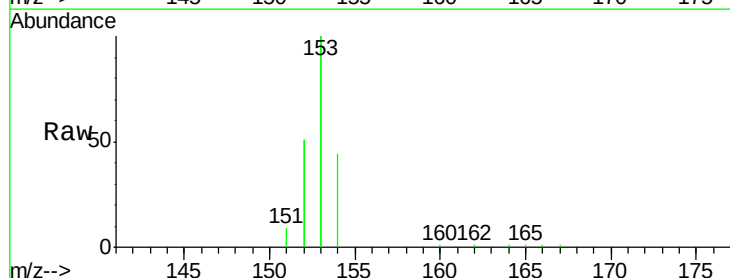
Tgt Ion:153 Resp: 22099

Ion Ratio Lower Upper

153 100

152 50.7 40.6 60.8

154 21.9 17.5 26.3



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

20000

15000

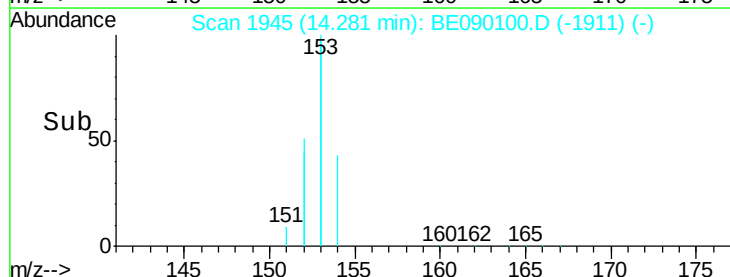
10000

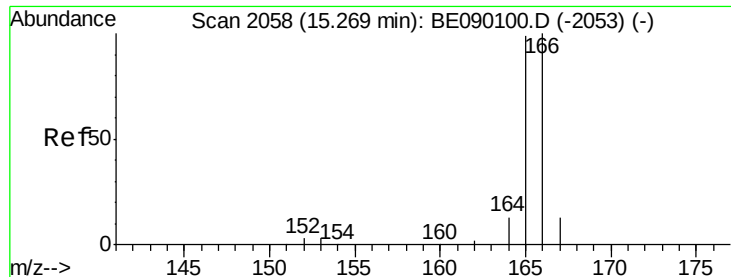
5000

0

14.20 14.28 14.40

Time-->

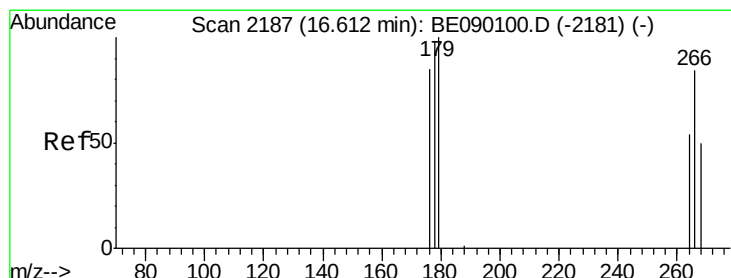
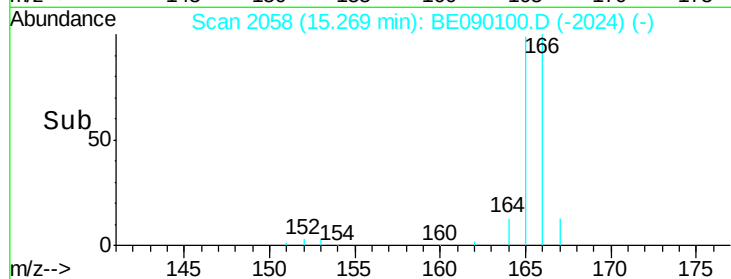
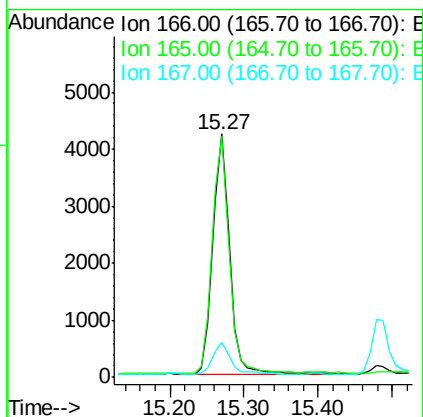
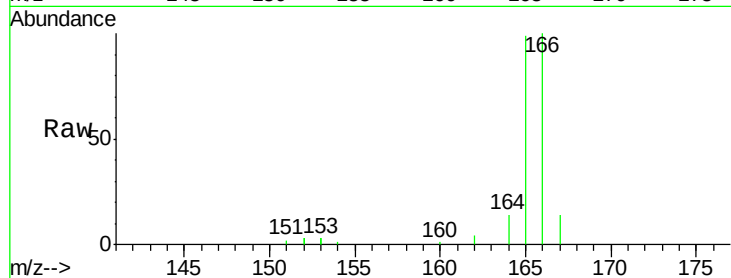




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.00 min
 Lab File: BE090100.D
 Acq: 14 Jul 2015 16:06

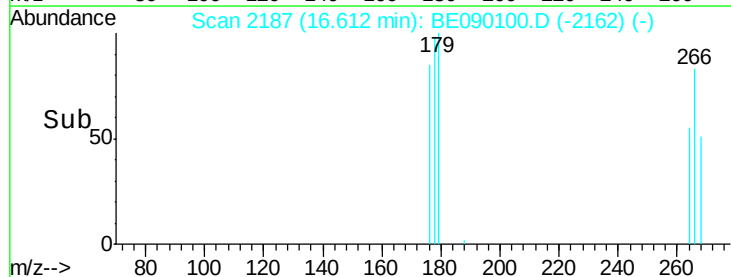
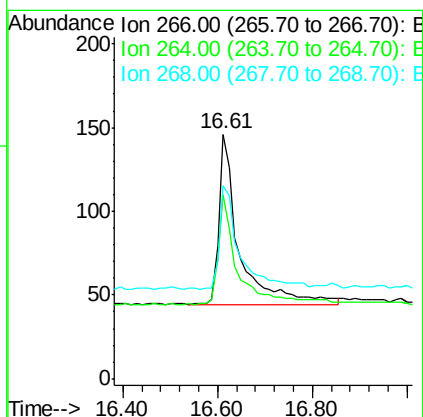
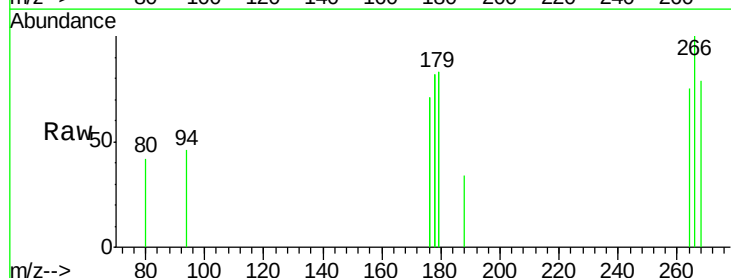
Instrument :
 BNA_E
 ClientSampleId :
 SST0.403

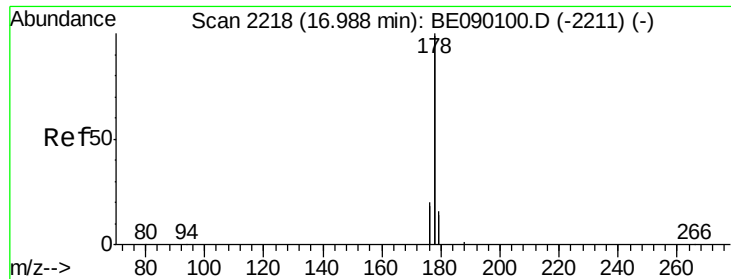
Tgt Ion:166 Resp: 6561
 Ion Ratio Lower Upper
 166 100
 165 99.1 79.3 118.9
 167 14.5 11.6 17.4



#11
Pentachlorophenol
 Concen: 0.15 ng/ul
 RT: 16.61 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: BE090100.D
 Acq: 14 Jul 2015 16:06

Tgt Ion:266 Resp: 311
 Ion Ratio Lower Upper
 266 100
 264 58.5 46.8 70.2
 268 61.4 49.1 73.7





#12

Phenanthrene

Concen: 0.93 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

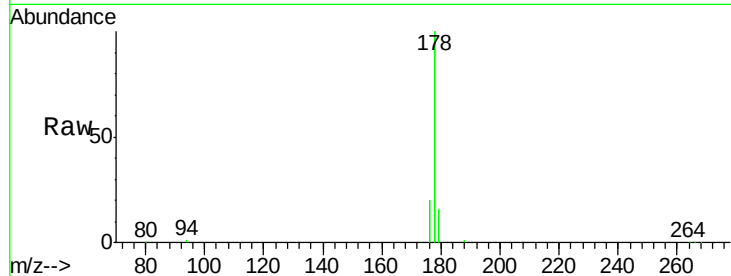
Tgt Ion:178 Resp: 42236

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

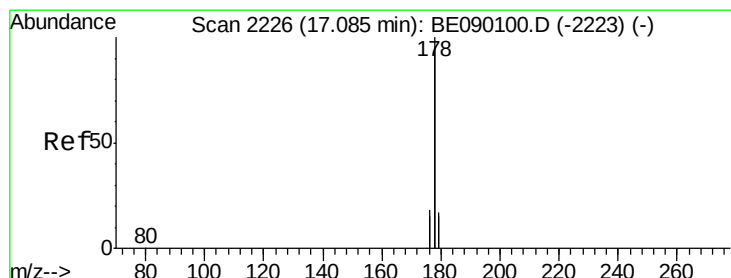
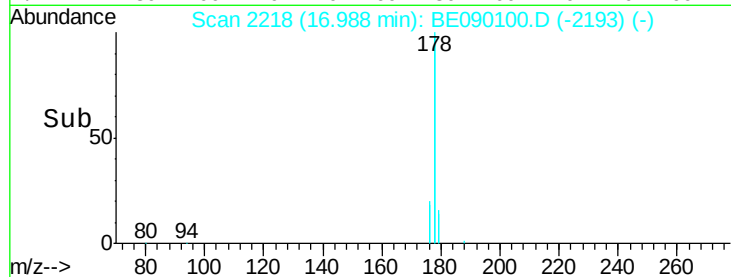
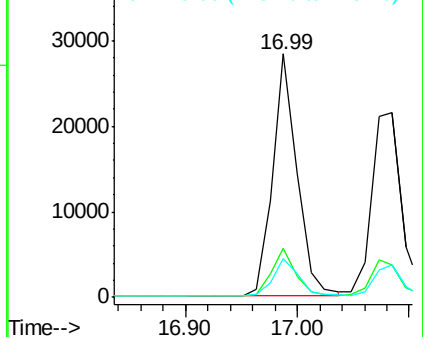
179 15.7 12.6 18.8



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: 0.93 ng/ul

RT: 17.08 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

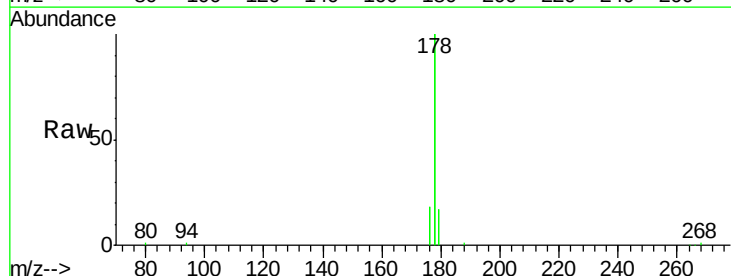
Tgt Ion:178 Resp: 40745

Ion Ratio Lower Upper

178 100

176 17.5 14.0 21.0

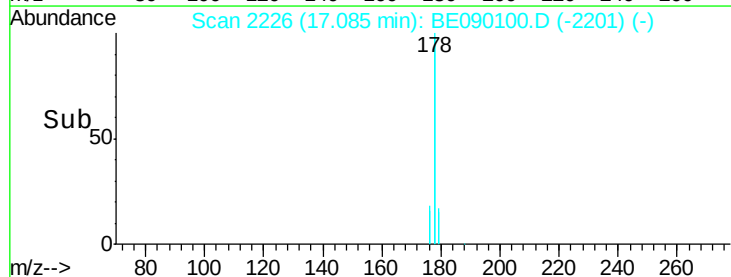
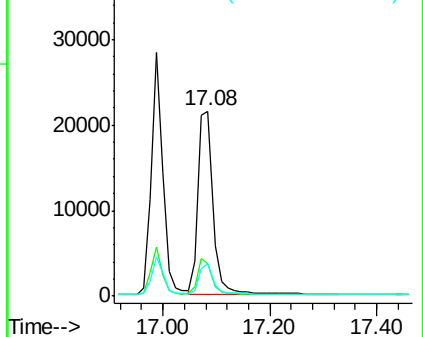
179 17.2 13.8 20.6

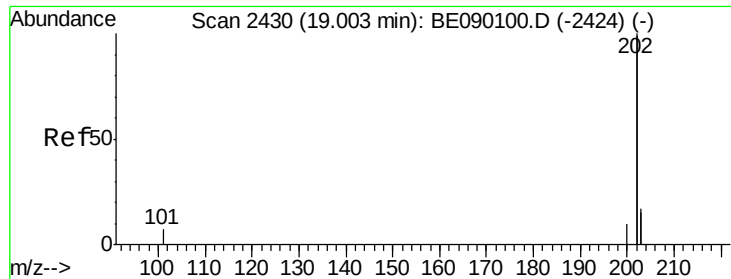


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

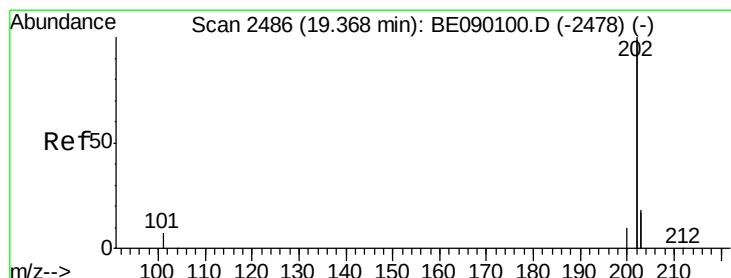
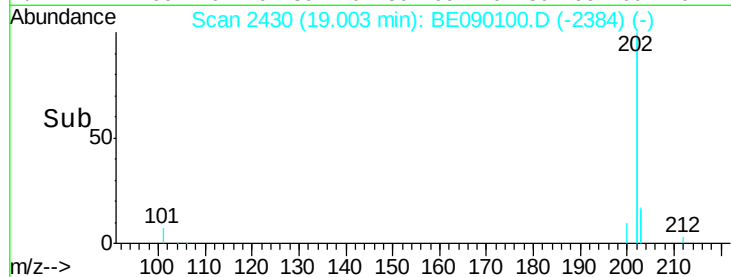
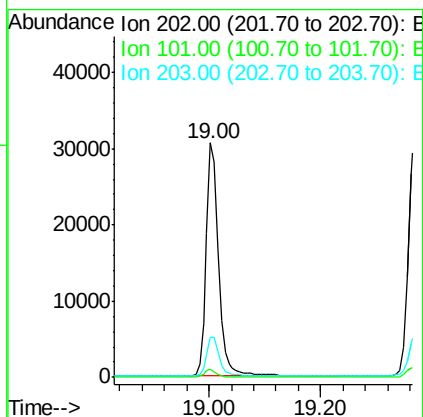
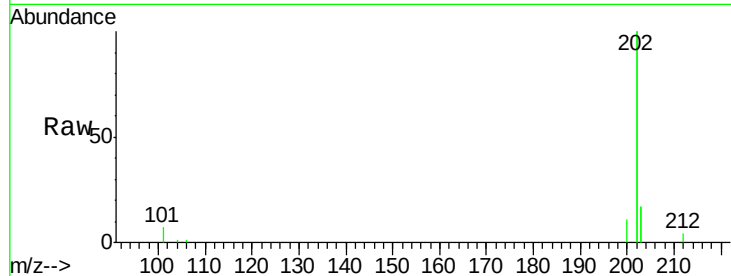




#15
Fluoranthene
 Concen: 0.92 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090100.D
 Acq: 14 Jul 2015 16:06

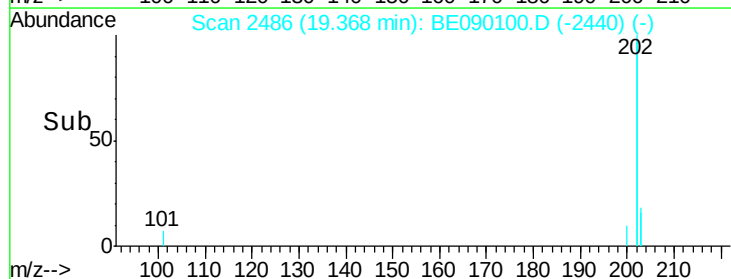
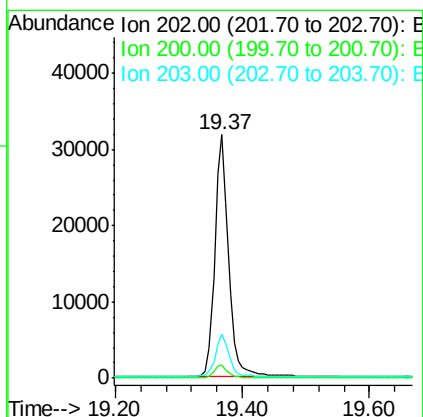
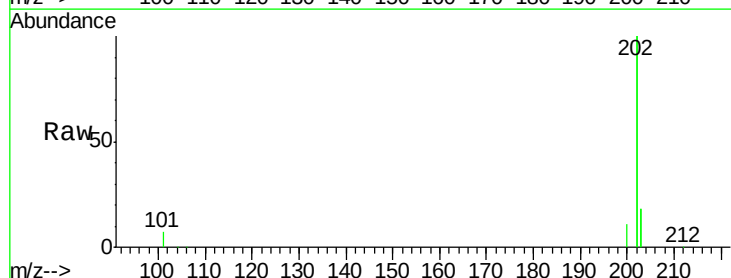
Instrument :
 BNA_E
 ClientSampleId :
 SST0.403

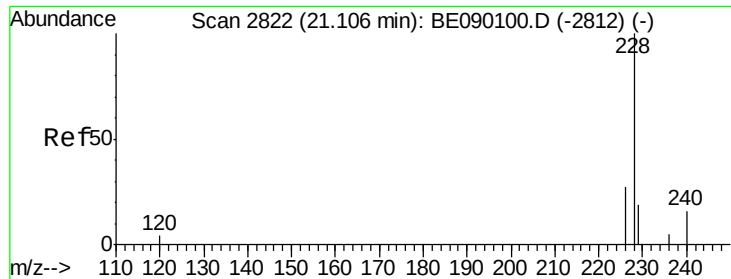
Tgt Ion: 202 Resp: 46534
 Ion Ratio Lower Upper
 202 100
 101 3.5 0.0 23.5
 203 17.0 0.0 37.0



#17
Pyrene
 Concen: 0.86 ng/ul
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.00 min
 Lab File: BE090100.D
 Acq: 14 Jul 2015 16:06

Tgt Ion: 202 Resp: 47611
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 18.1 14.5 21.7





#18

Benzo(a)anthracene

Concen: 0.29 ng/ul

RT: 21.11 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

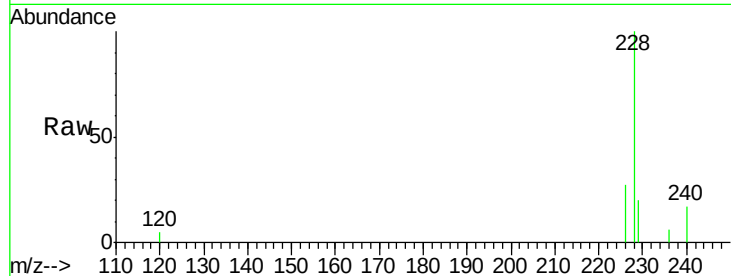
Tgt Ion:228 Resp: 9072

Ion Ratio Lower Upper

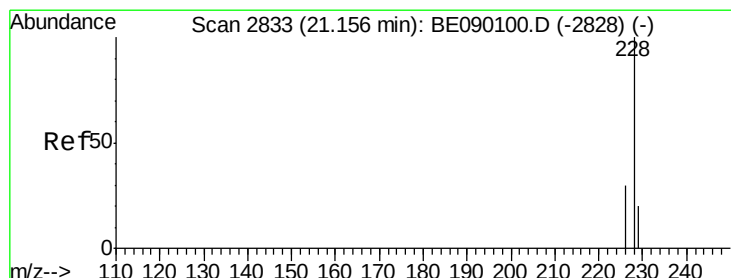
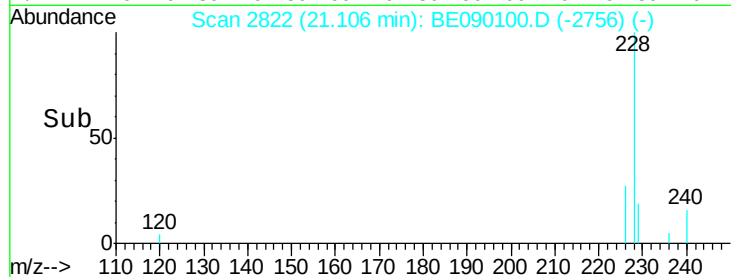
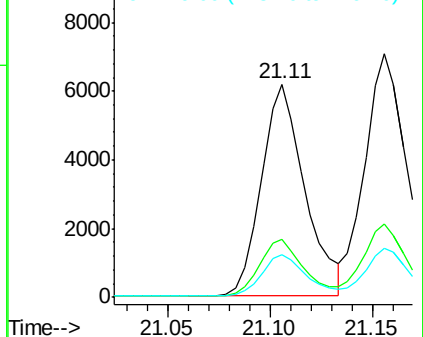
228 100

226 27.3 21.8 32.8

229 20.0 16.0 24.0



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: 0.36 ng/ul

RT: 21.16 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

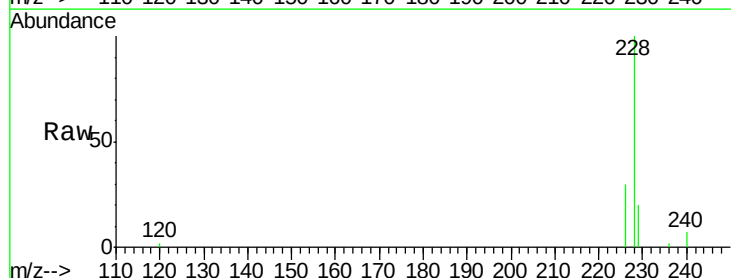
Tgt Ion:228 Resp: 11672

Ion Ratio Lower Upper

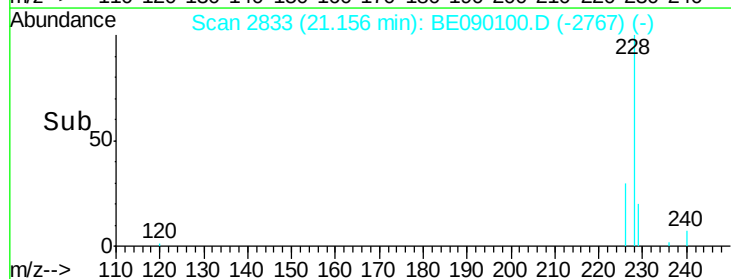
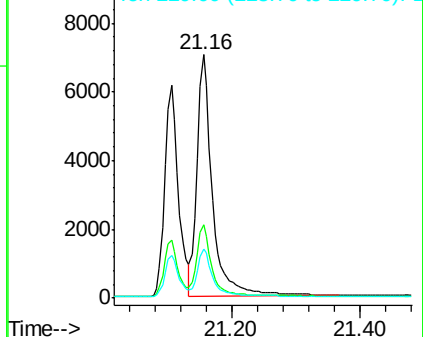
228 100

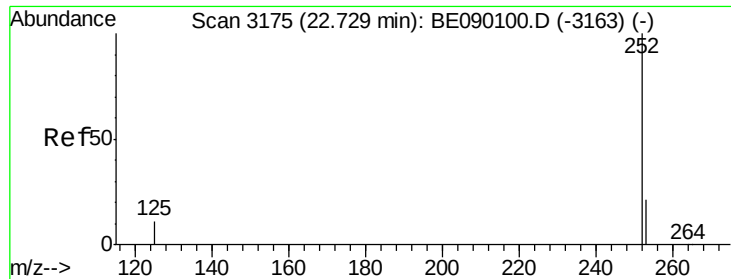
226 30.2 24.2 36.2

229 20.1 16.1 24.1



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: 0.26 ng/ul

RT: 22.73 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

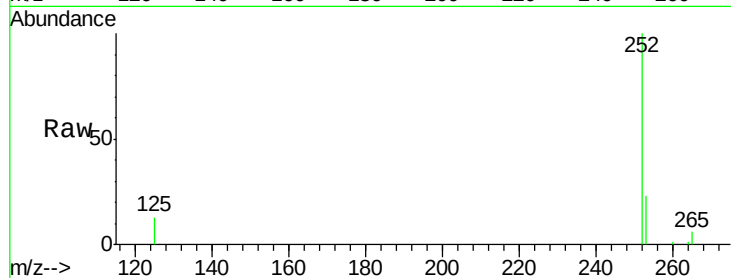
Tgt Ion:252 Resp: 6758

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.8

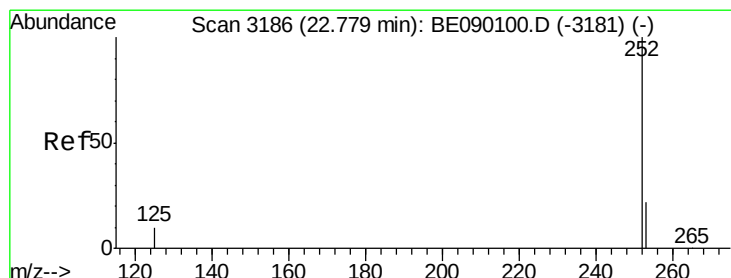
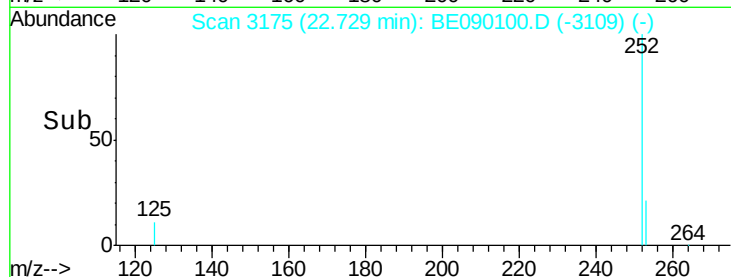
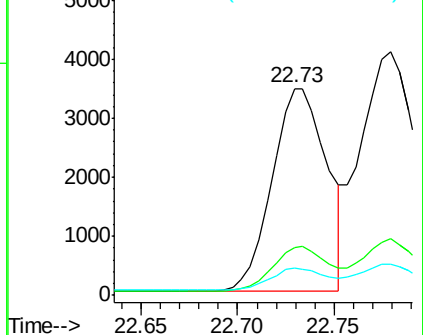
125 13.3 0.0 26.6



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



#22

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.78 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

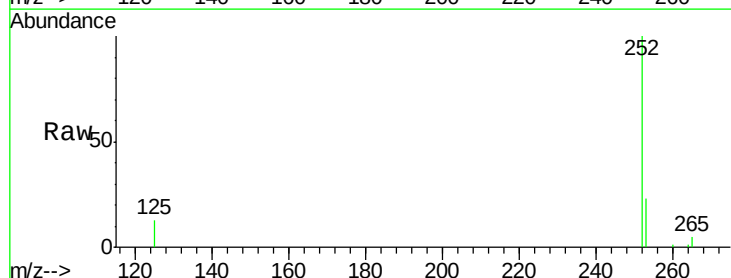
Tgt Ion:252 Resp: 10125

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

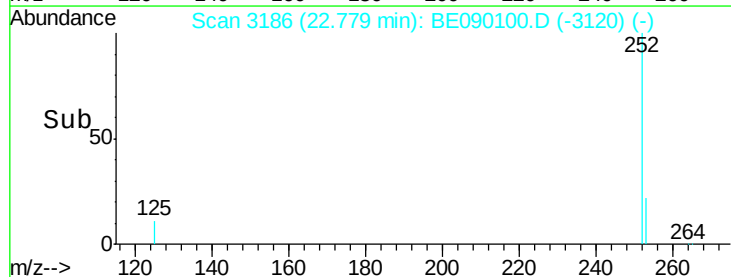
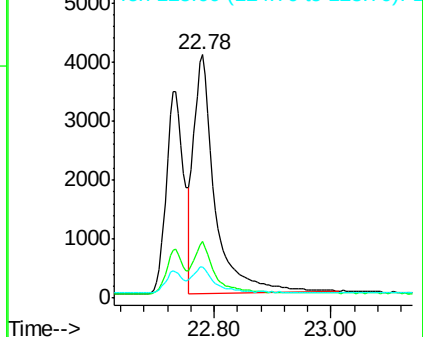
125 12.9 10.3 15.5

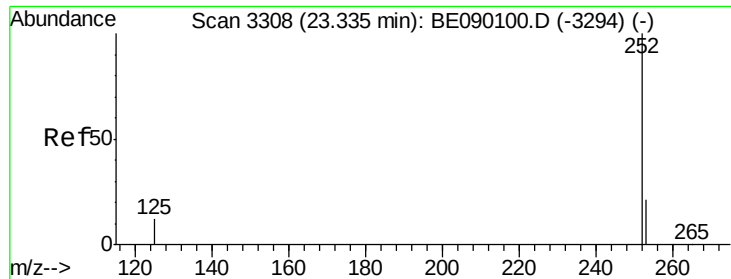


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.32 ng/ul

RT: 23.33 min Scan# 3308

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

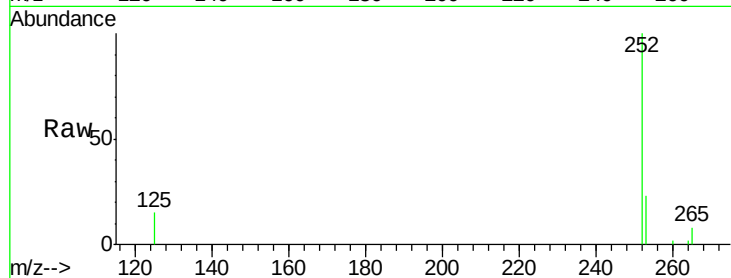
Tgt Ion:252 Resp: 7581

Ion Ratio Lower Upper

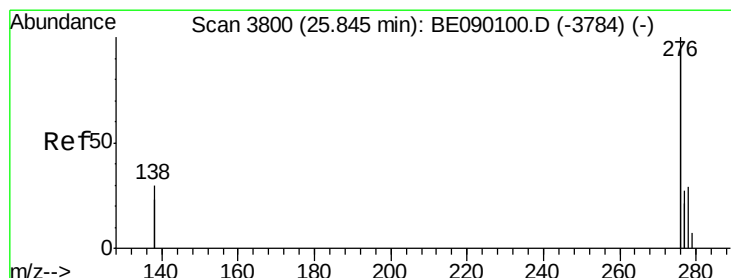
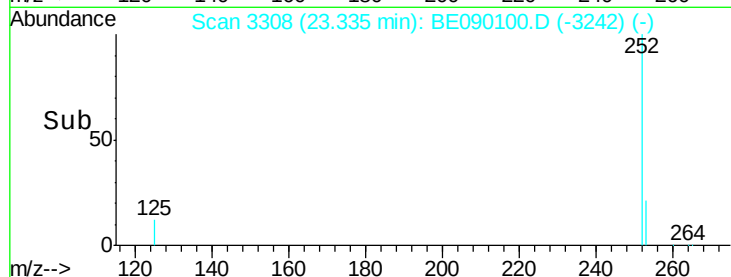
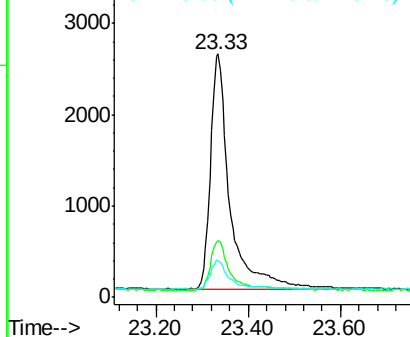
252 100

253 23.2 18.6 27.8

125 15.0 12.0 18.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.84 ng/ul

RT: 25.85 min Scan# 3800

Delta R.T. 0.00 min

Lab File: BE090100.D

Acq: 14 Jul 2015 16:06

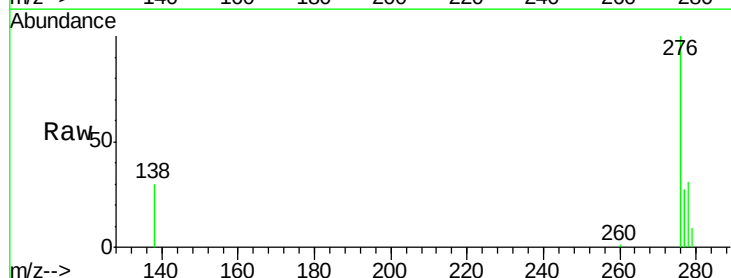
Tgt Ion:276 Resp: 30064

Ion Ratio Lower Upper

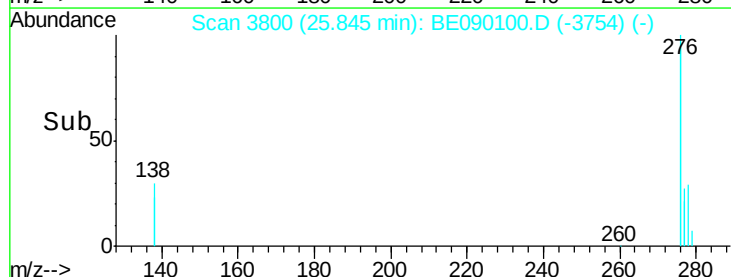
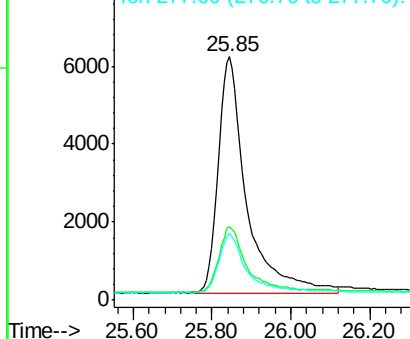
276 100

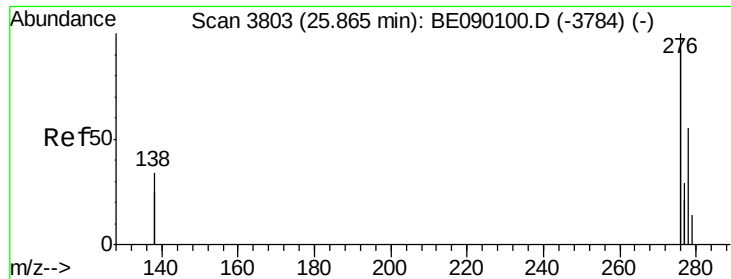
138 27.3 21.8 32.8

277 24.3 19.4 29.2



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

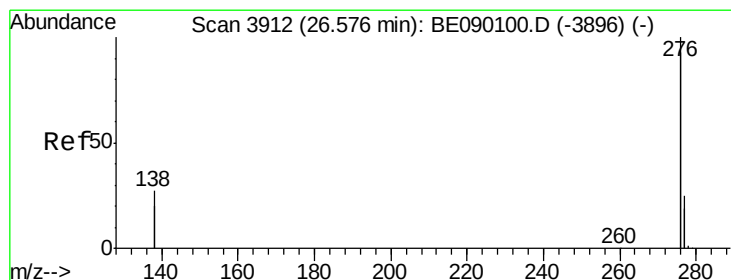
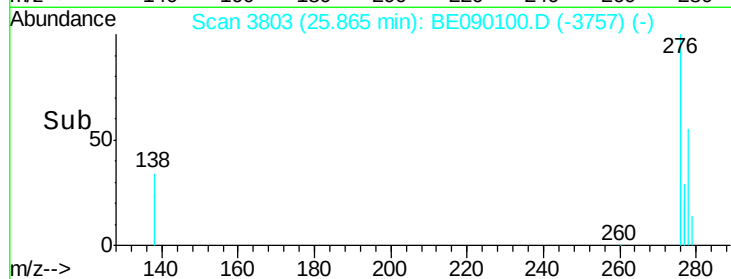
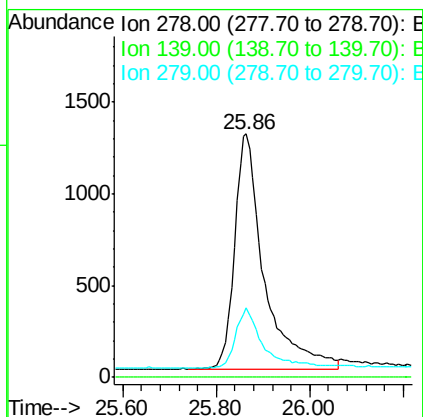
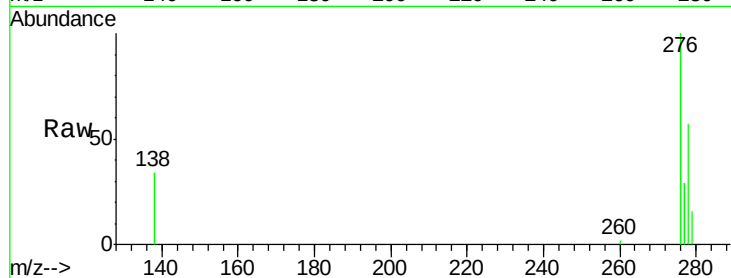




#25
Dibenzo(a,h)anthracene
Concen: 0.29 ng/ul
RT: 25.86 min Scan# 3803
Delta R.T. 0.00 min
Lab File: BE090100.D
Acq: 14 Jul 2015 16:06

Instrument :
BNA_E
ClientSampleId :
SSTD0.403

Tgt Ion: 278 Resp: 5610
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 28.3 22.6 34.0



#26
Benzo(g,h,i)perylene
Concen: 0.89 ng/ul
RT: 26.58 min Scan# 3912
Delta R.T. 0.00 min
Lab File: BE090100.D
Acq: 14 Jul 2015 16:06

Tgt Ion: 276 Resp: 28298
Ion Ratio Lower Upper
276 100
277 25.0 20.0 30.0
138 27.1 21.7 32.5

