

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071415\
 Data File : BE090101.D
 Acq On : 14 Jul 2015 16:42
 Operator : TP/IZ
 Sample : SSTD0.804
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.804

Quant Time: Jul 15 00:46:09 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	1488	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	6978	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	4017	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	8780	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9096	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	6305	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	9160	0.83	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	21528	0.89	ng/ul	0.00

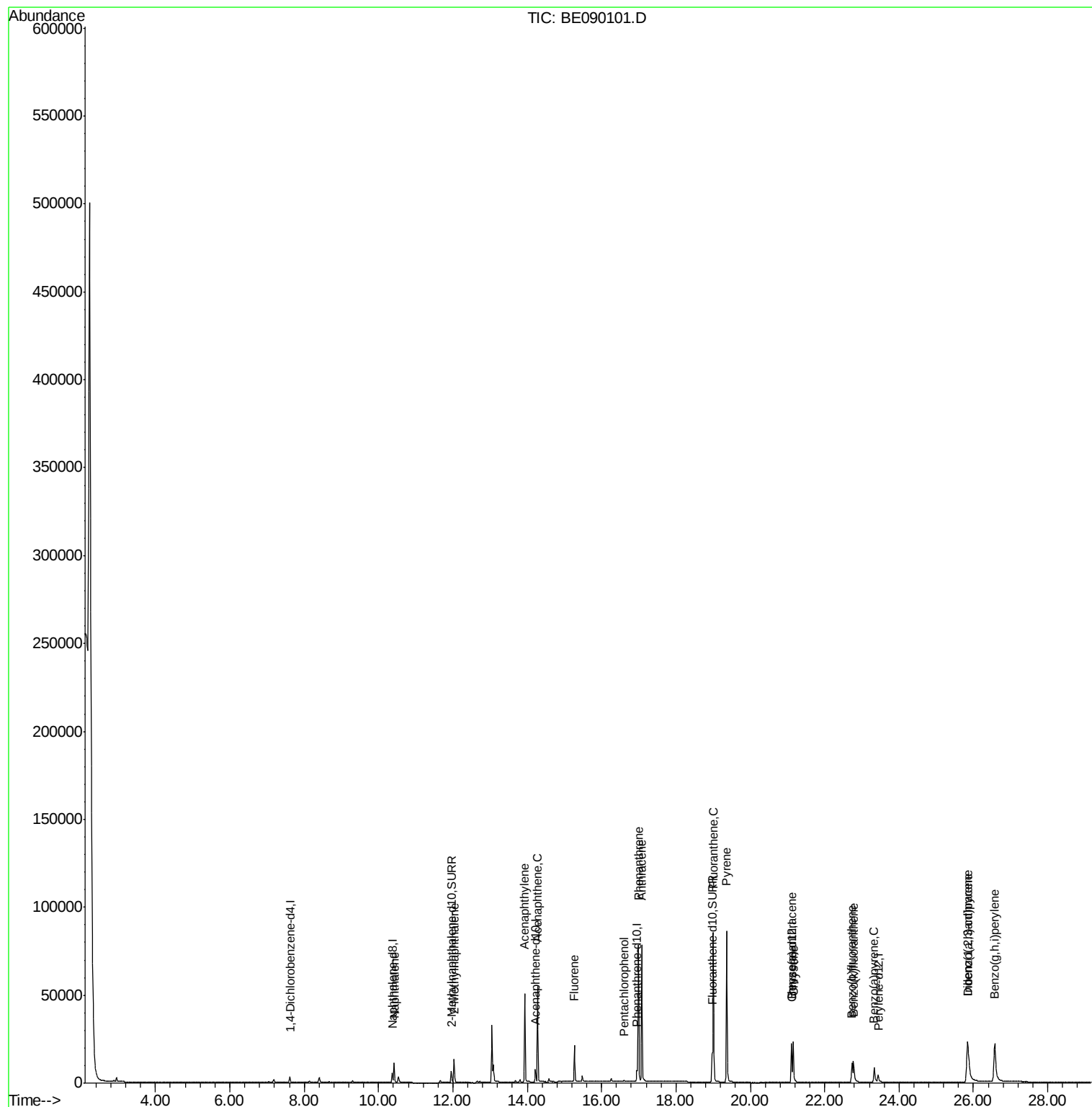
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	15426	0.74	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	10410	0.75	ng/ul	100
7) Acenaphthylene	13.93	152	68125	1.90	ng/ul	99
8) Acenaphthene	14.28	153	47713	1.90	ng/ul	99
9) Fluorene	15.27	166	13950	0.74	ng/ul	98
11) Pentachlorophenol	16.61	266	636	0.31	ng/ul	94
12) Phenanthrene	16.99	178	88032	1.93	ng/ul	97
13) Anthracene	17.07	178	88251	2.01	ng/ul	96
15) Fluoranthene	19.00	202	98171	1.94	ng/ul	99
17) Pyrene	19.37	202	100353	1.72	ng/ul	100
18) Benzo(a)anthracene	21.11	228	20052	0.60	ng/ul	99
19) Chrysene	21.16	228	24789	0.72	ng/ul	99
21) Benzo(b)fluoranthene	22.73	252	15462	0.58	ng/ul	98
22) Benzo(k)fluoranthene	22.78	252	22292	0.91	ng/ul	98
23) Benzo(a)pyrene	23.33	252	16532	0.69	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.85	276	65753	1.78	ng/ul	99
25) Dibenzo(a,h)anthracene	25.86	278	12660	0.63	ng/ul	93
26) Benzo(g,h,i)perylene	26.58	276	61314	1.88	ng/ul	97

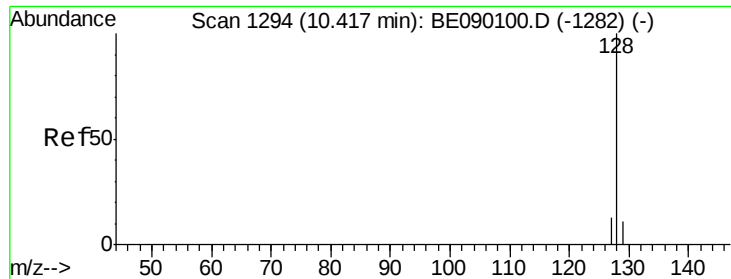
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.74 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

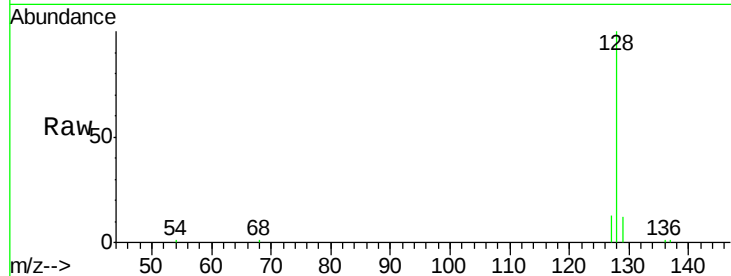
Tgt Ion:128 Resp: 15426

Ion Ratio Lower Upper

128 100

129 11.7 9.4 14.2

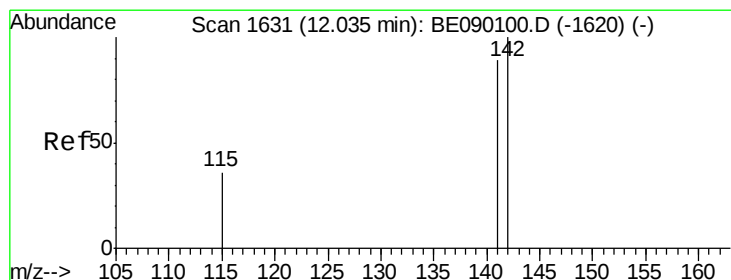
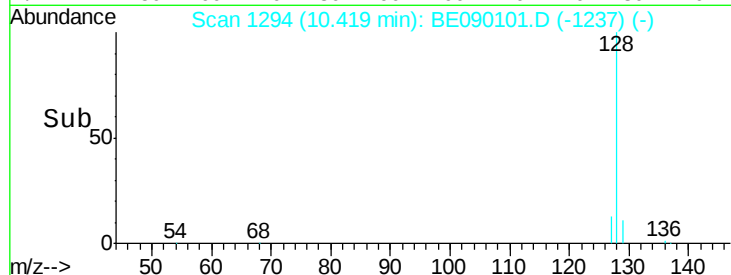
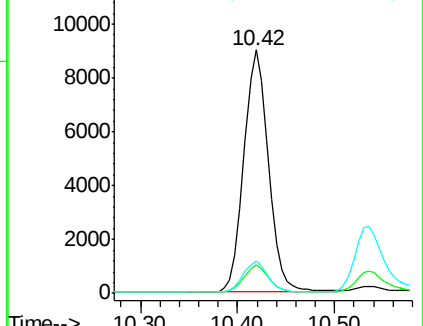
127 13.4 11.5 17.3



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: 0.75 ng/ul

RT: 12.03 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE090101.D

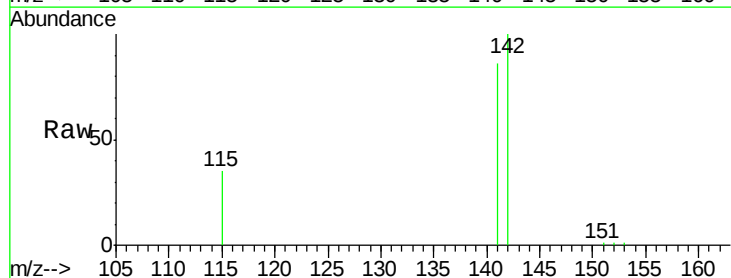
Acq: 14 Jul 2015 16:42

Tgt Ion:142 Resp: 10410

Ion Ratio Lower Upper

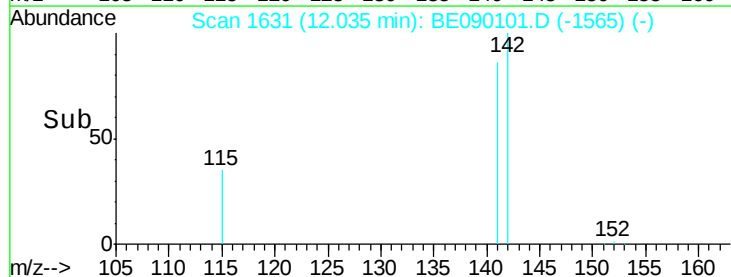
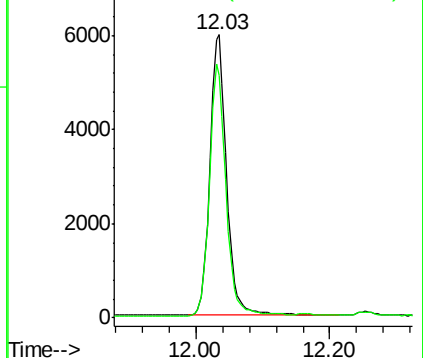
142 100

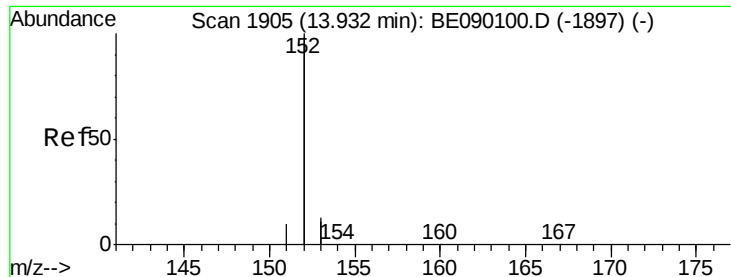
141 88.5 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.90 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

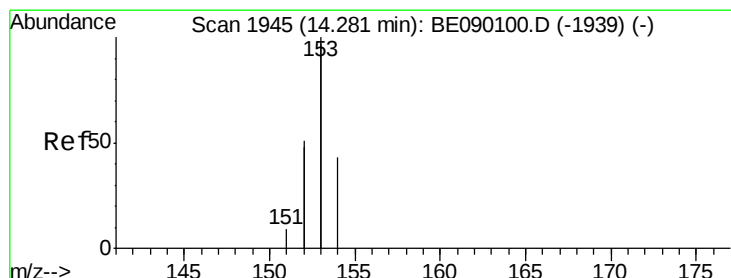
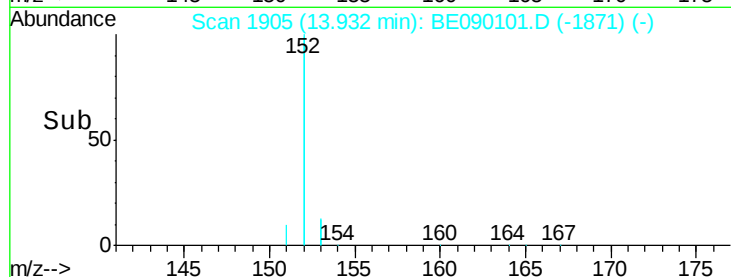
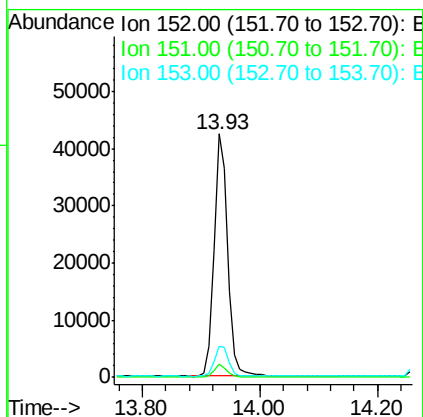
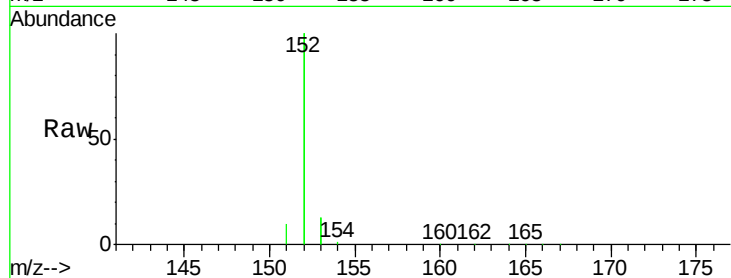
Instrument :

BNA_E

ClientSampled :

SSTD0.804

Tgt Ion:	152	Resp:	68125
Ion	Ratio	Lower	Upper
152	100		
151	5.2	4.1	6.1
153	13.0	10.7	16.1



#8

Acenaphthene

Concen: 1.90 ng/ul

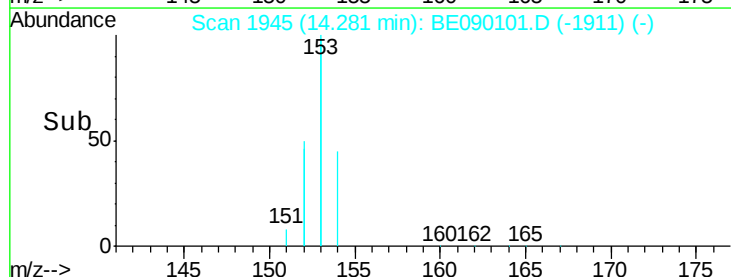
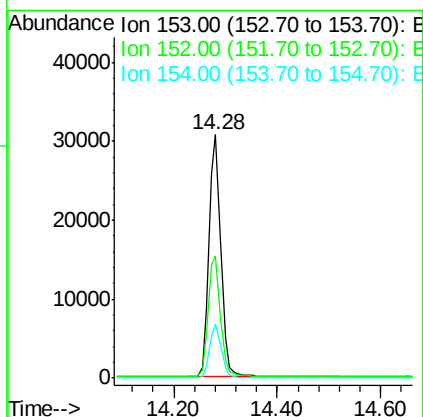
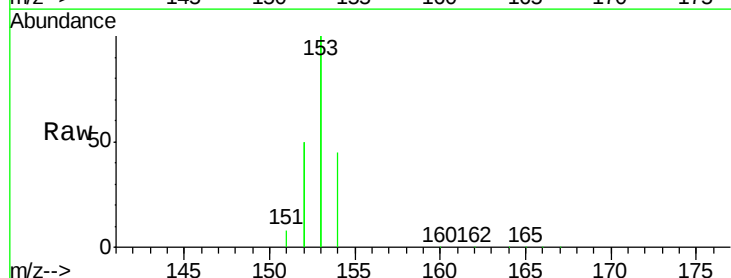
RT: 14.28 min Scan# 1945

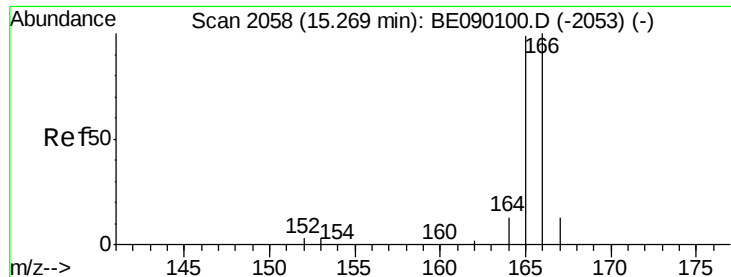
Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Tgt Ion:	153	Resp:	47713
Ion	Ratio	Lower	Upper
153	100		
152	50.1	40.6	60.8
154	22.4	17.5	26.3





#9

Fluorene

Concen: 0.74 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

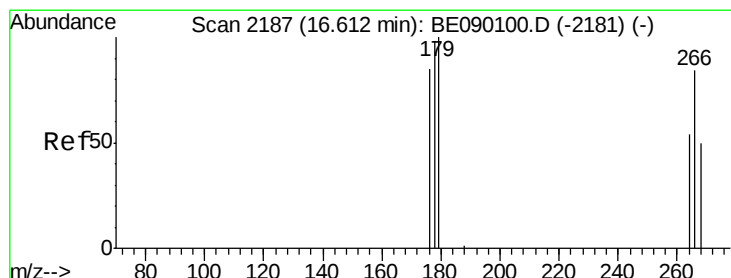
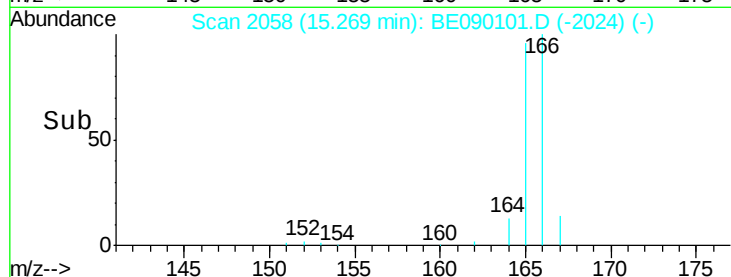
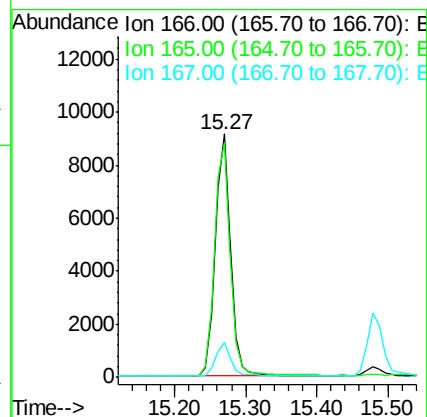
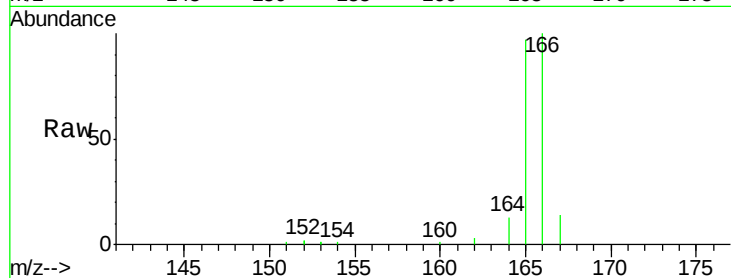
Tgt Ion:166 Resp: 13950

Ion Ratio Lower Upper

166 100

165 96.6 79.3 118.9

167 14.2 11.6 17.4



#11

Pentachlorophenol

Concen: 0.31 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

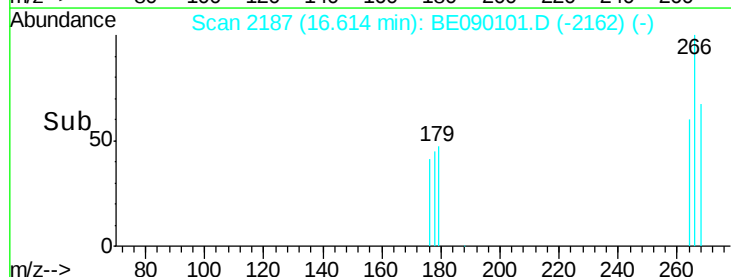
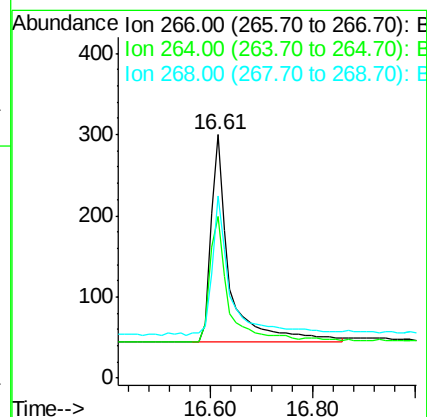
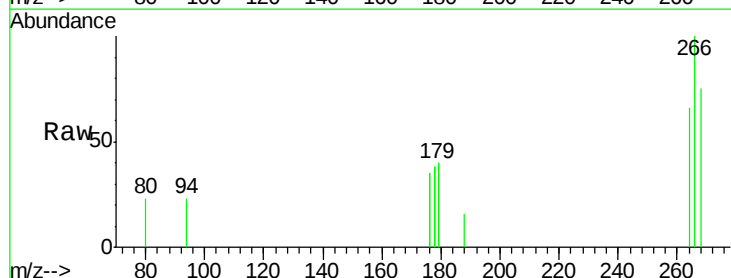
Tgt Ion:266 Resp: 636

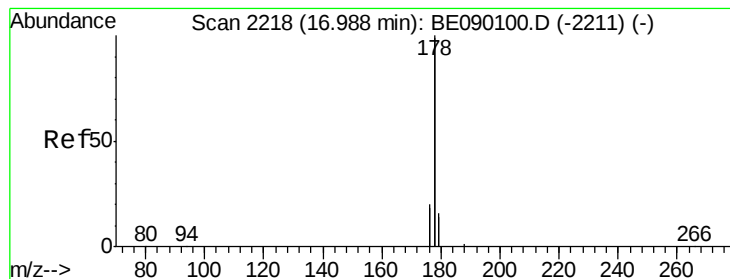
Ion Ratio Lower Upper

266 100

264 61.3 46.8 70.2

268 67.8 49.1 73.7





#12

Phenanthrene

Concen: 1.93 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

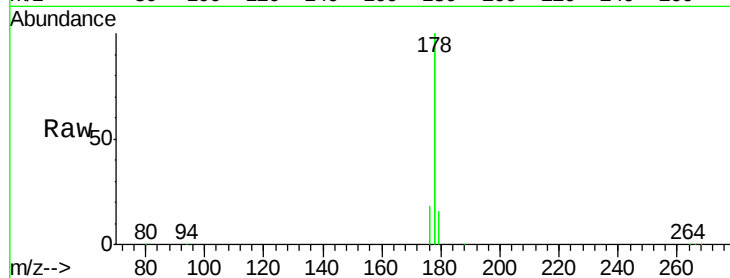
Tgt Ion:178 Resp: 88032

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

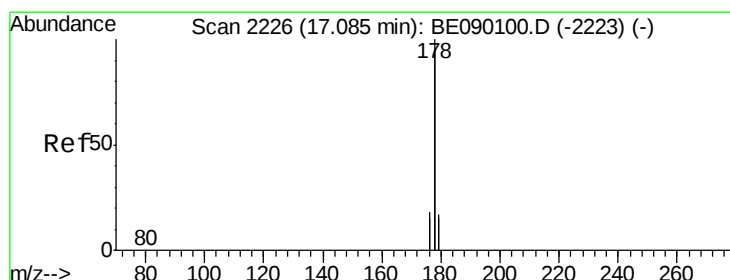
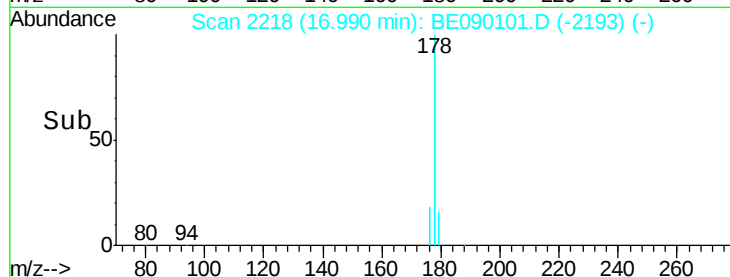
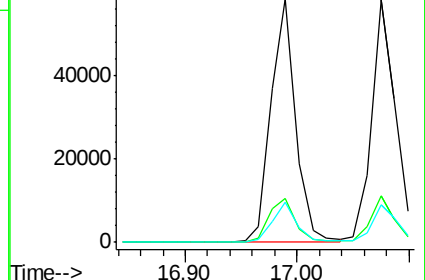
179 16.2 12.6 18.8



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: 2.01 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

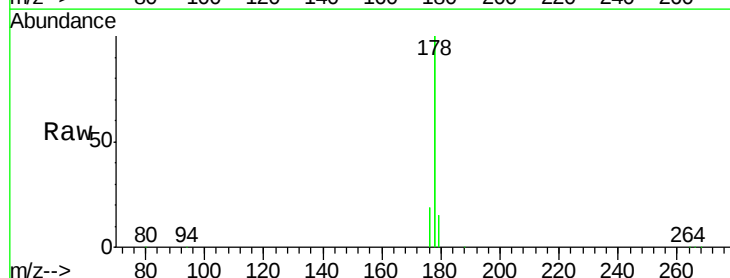
Tgt Ion:178 Resp: 88251

Ion Ratio Lower Upper

178 100

176 19.3 14.0 21.0

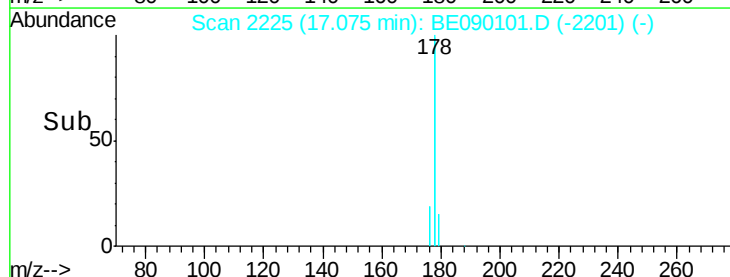
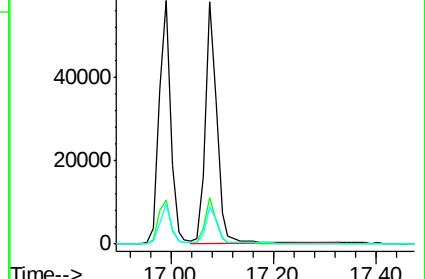
179 15.3 13.8 20.6

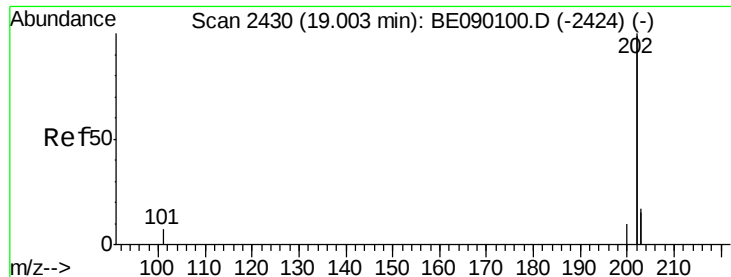


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

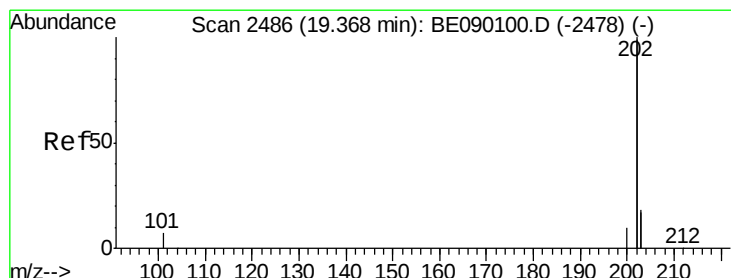
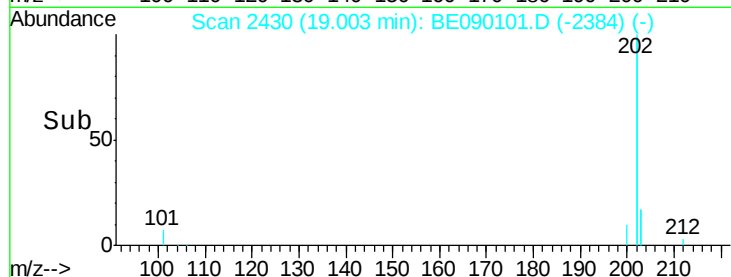
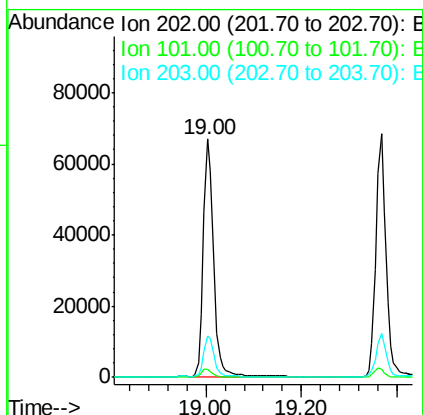
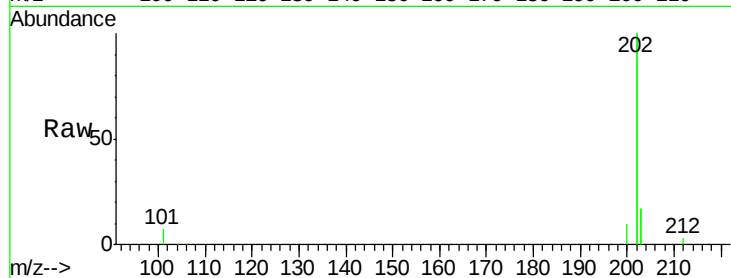




#15
 Fluoranthene
 Concen: 1.94 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090101.D
 Acq: 14 Jul 2015 16:42

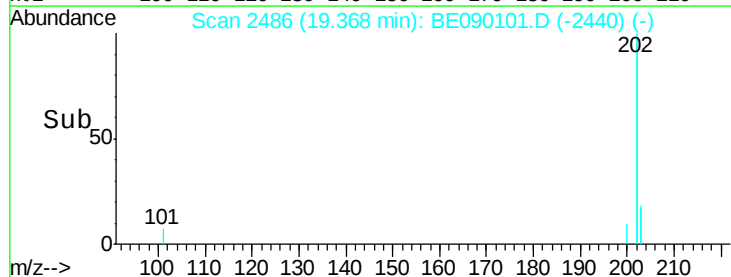
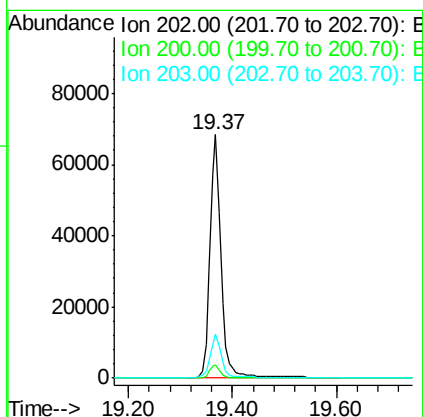
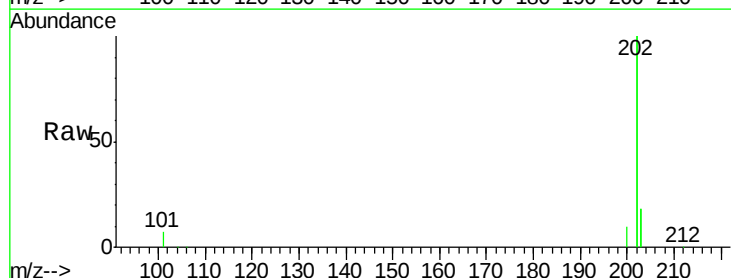
Instrument :
 BNA_E
 ClientSampleId :
 SST00.804

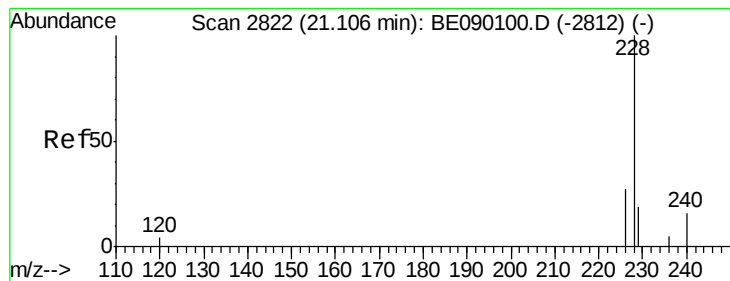
Tgt Ion: 202 Resp: 98171
 Ion Ratio Lower Upper
 202 100
 101 3.3 0.0 23.5
 203 17.4 0.0 37.0



#17
 Pyrene
 Concen: 1.72 ng/ul
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.00 min
 Lab File: BE090101.D
 Acq: 14 Jul 2015 16:42

Tgt Ion: 202 Resp: 100353
 Ion Ratio Lower Upper
 202 100
 200 5.2 4.2 6.4
 203 17.9 14.5 21.7





#18

Benzo(a)anthracene

Concen: 0.60 ng/ul

RT: 21.11 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

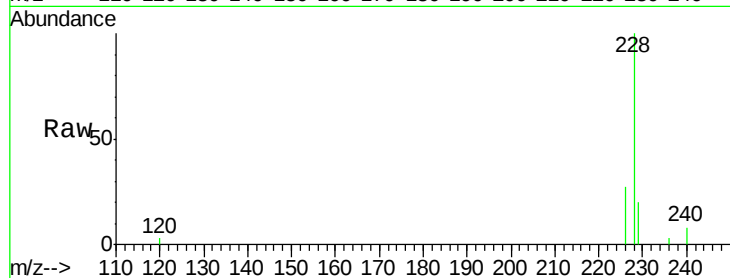
Tgt Ion:228 Resp: 20052

Ion Ratio Lower Upper

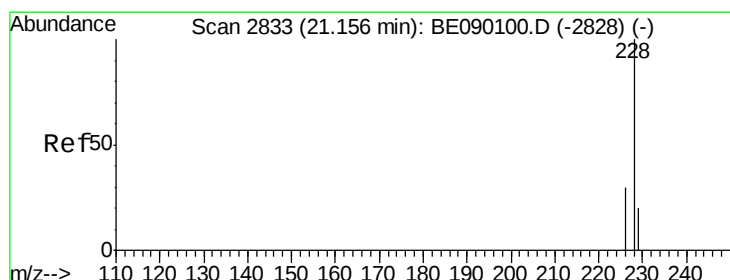
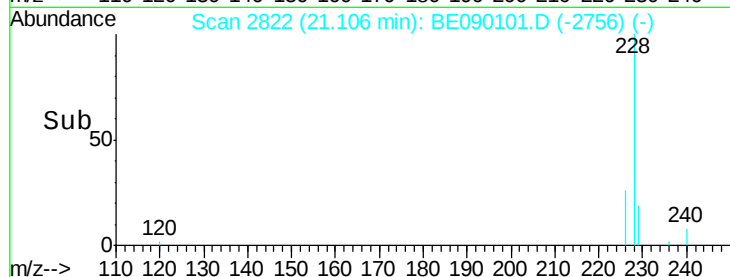
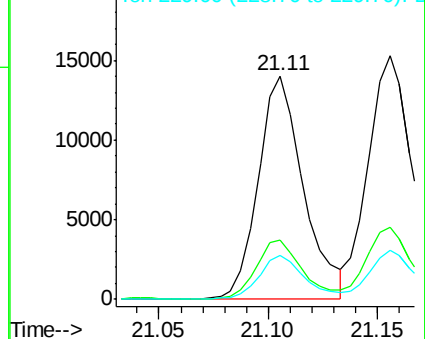
228 100

226 26.5 21.8 32.8

229 19.7 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: 0.72 ng/ul

RT: 21.16 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

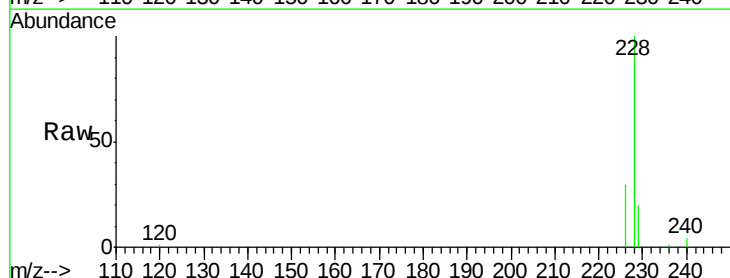
Tgt Ion:228 Resp: 24789

Ion Ratio Lower Upper

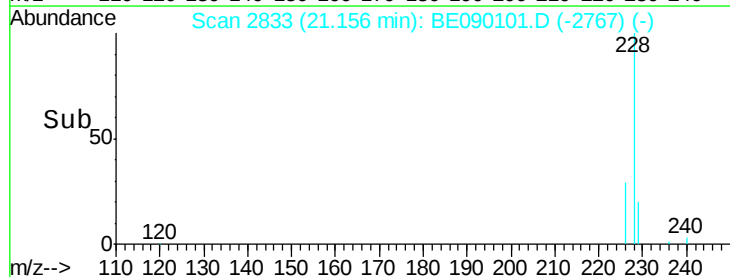
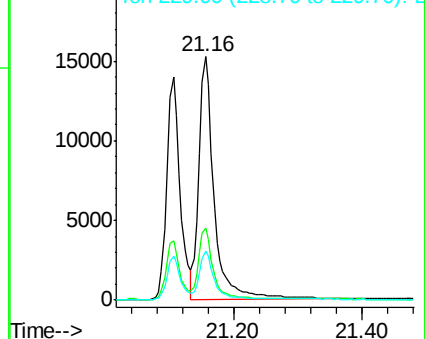
228 100

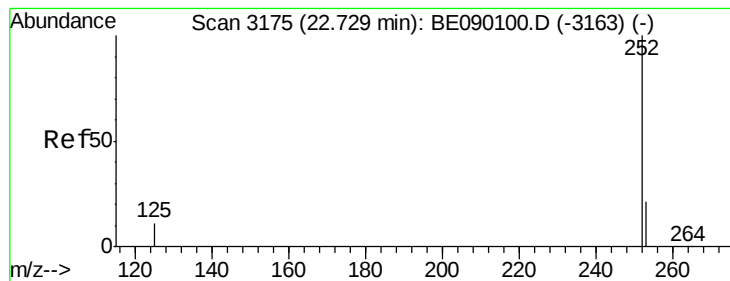
226 29.6 24.2 36.2

229 19.9 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: 0.58 ng/ul

RT: 22.73 min Scan# 3176

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

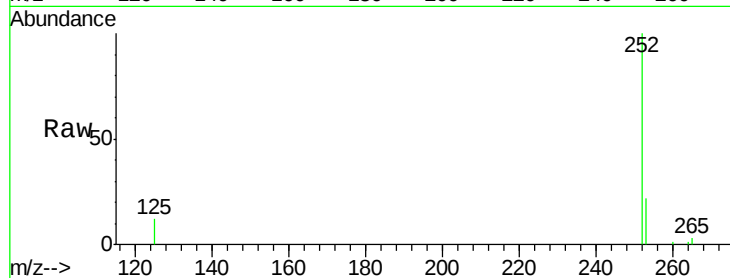
Tgt Ion:252 Resp: 15462

Ion Ratio Lower Upper

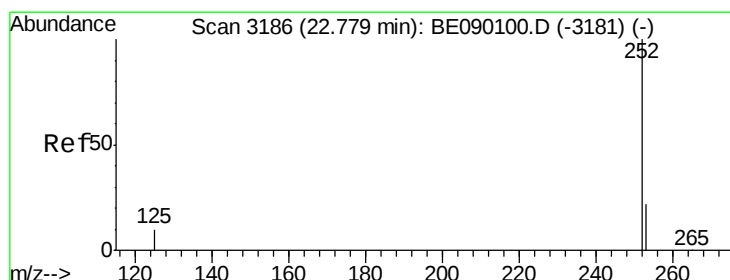
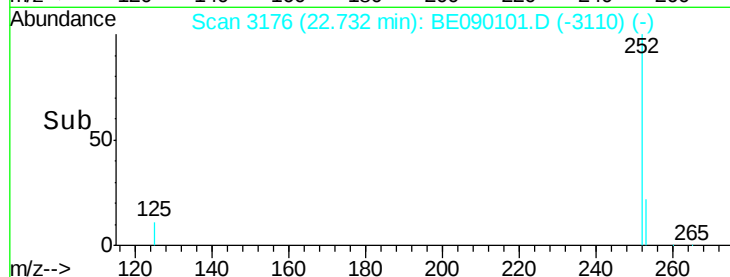
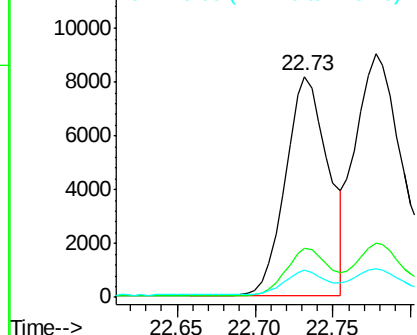
252 100

253 22.5 0.0 45.8

125 12.3 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: 0.91 ng/ul

RT: 22.78 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

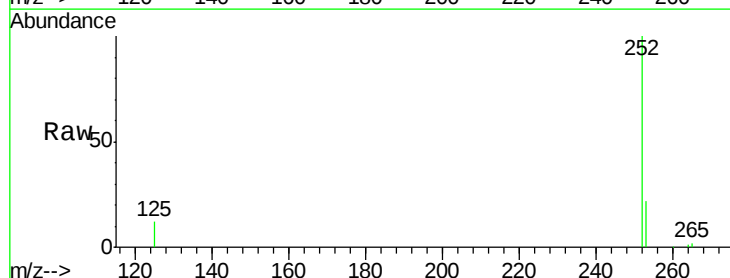
Tgt Ion:252 Resp: 22292

Ion Ratio Lower Upper

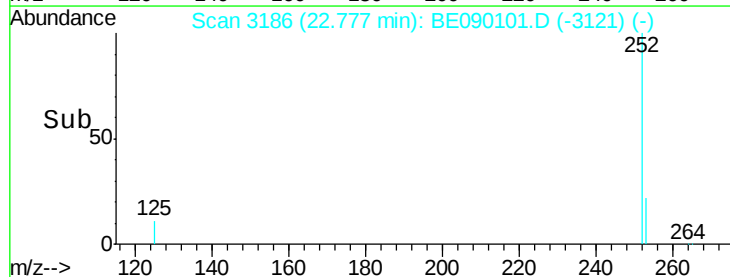
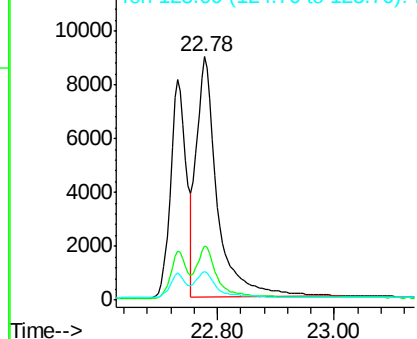
252 100

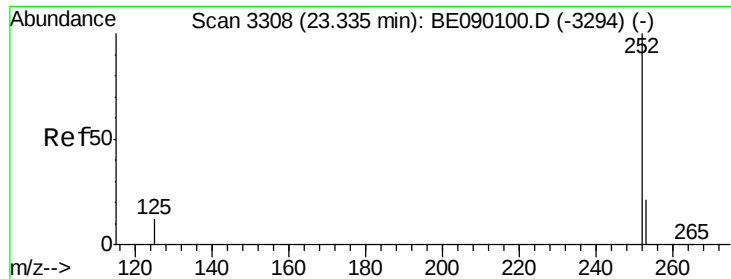
253 22.4 18.4 27.6

125 11.7 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: 0.69 ng/ul

RT: 23.33 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

Instrument :

BNA_E

ClientSampleId :

SSTD0.804

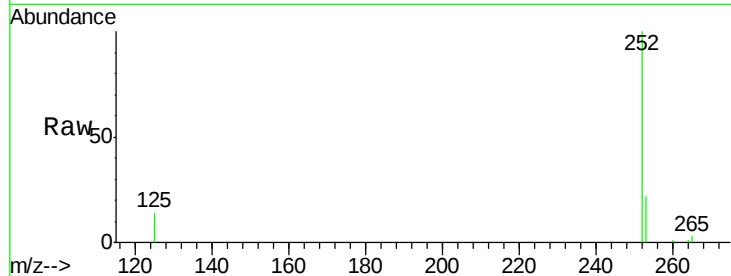
Tgt Ion:252 Resp: 16532

Ion Ratio Lower Upper

252 100

253 22.2 18.6 27.8

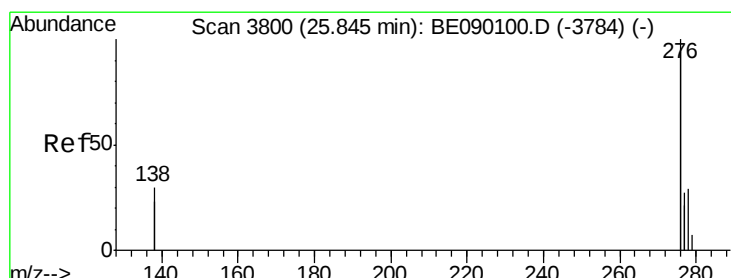
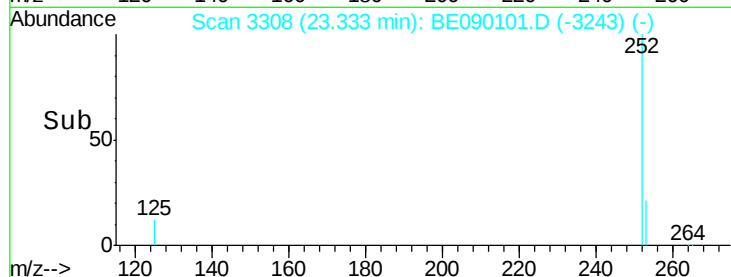
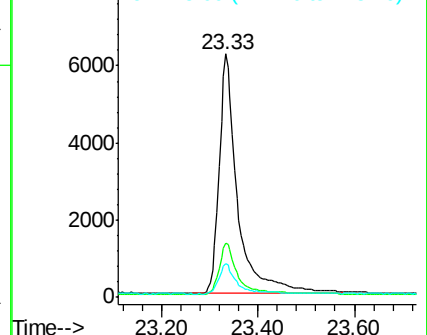
125 13.7 12.0 18.0



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: 1.78 ng/ul

RT: 25.85 min Scan# 3801

Delta R.T. 0.00 min

Lab File: BE090101.D

Acq: 14 Jul 2015 16:42

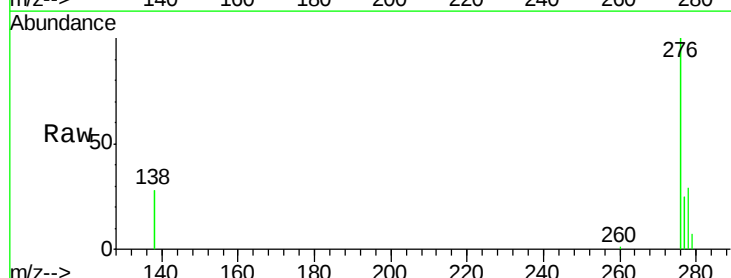
Tgt Ion:276 Resp: 65753

Ion Ratio Lower Upper

276 100

138 28.0 21.8 32.8

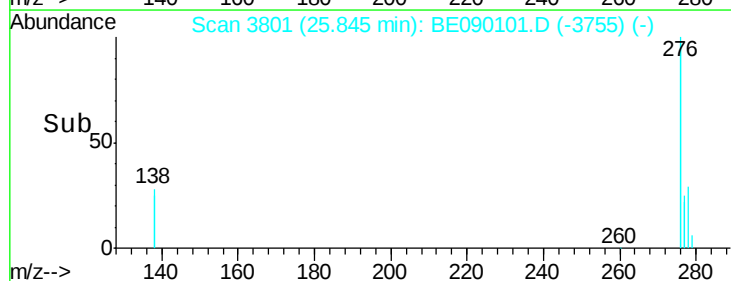
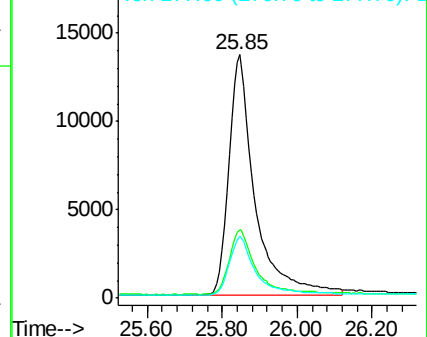
277 24.5 19.4 29.2

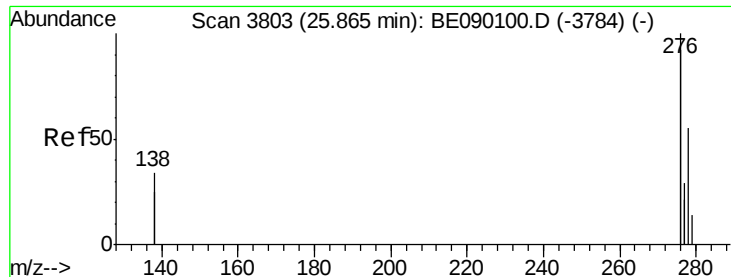


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

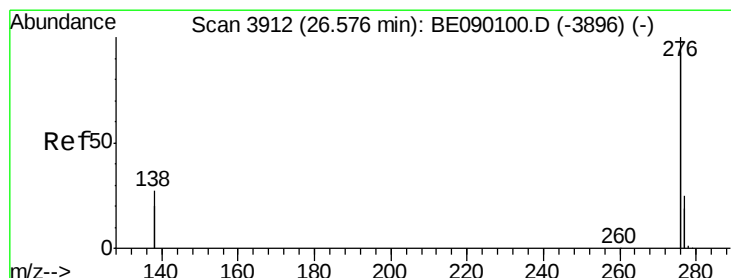
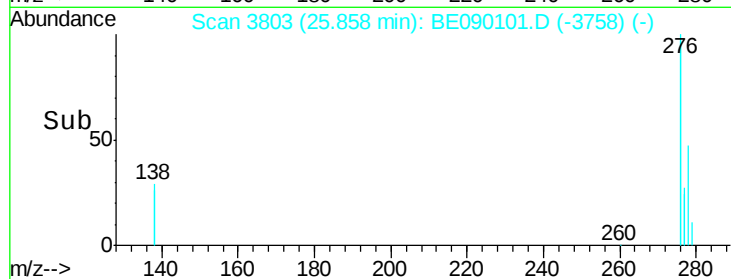
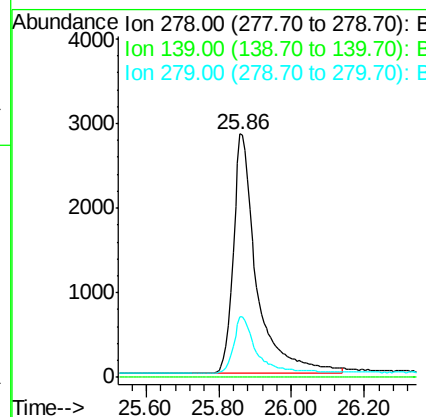
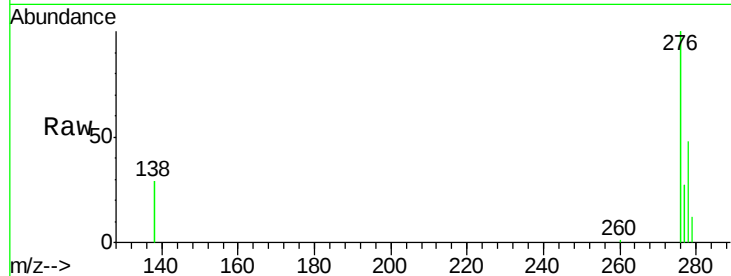




#25
Dibenzo(a,h)anthracene
Concen: 0.63 ng/ul
RT: 25.86 min Scan# 3803
Delta R.T. -0.01 min
Lab File: BE090101.D
Acq: 14 Jul 2015 16:42

Instrument :
BNA_E
ClientSampleId :
SSTD0.804

Tgt Ion: 278 Resp: 12660
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 24.9 22.6 34.0



#26
Benzo(g,h,i)perylene
Concen: 1.88 ng/ul
RT: 26.58 min Scan# 3913
Delta R.T. 0.00 min
Lab File: BE090101.D
Acq: 14 Jul 2015 16:42

Tgt Ion: 276 Resp: 61314
Ion Ratio Lower Upper
276 100
277 24.4 20.0 30.0
138 25.0 21.7 32.5

