

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071415\
 Data File : BE090103.D
 Acq On : 14 Jul 2015 17:56
 Operator : TP/IZ
 Sample : SSTD3.206
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.206

Quant Time: Jul 15 00:46:41 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	1375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	6461	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	3528	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	7912	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9247	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	6433	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	33662	3.31	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	81639	3.76	ng/ul	0.00

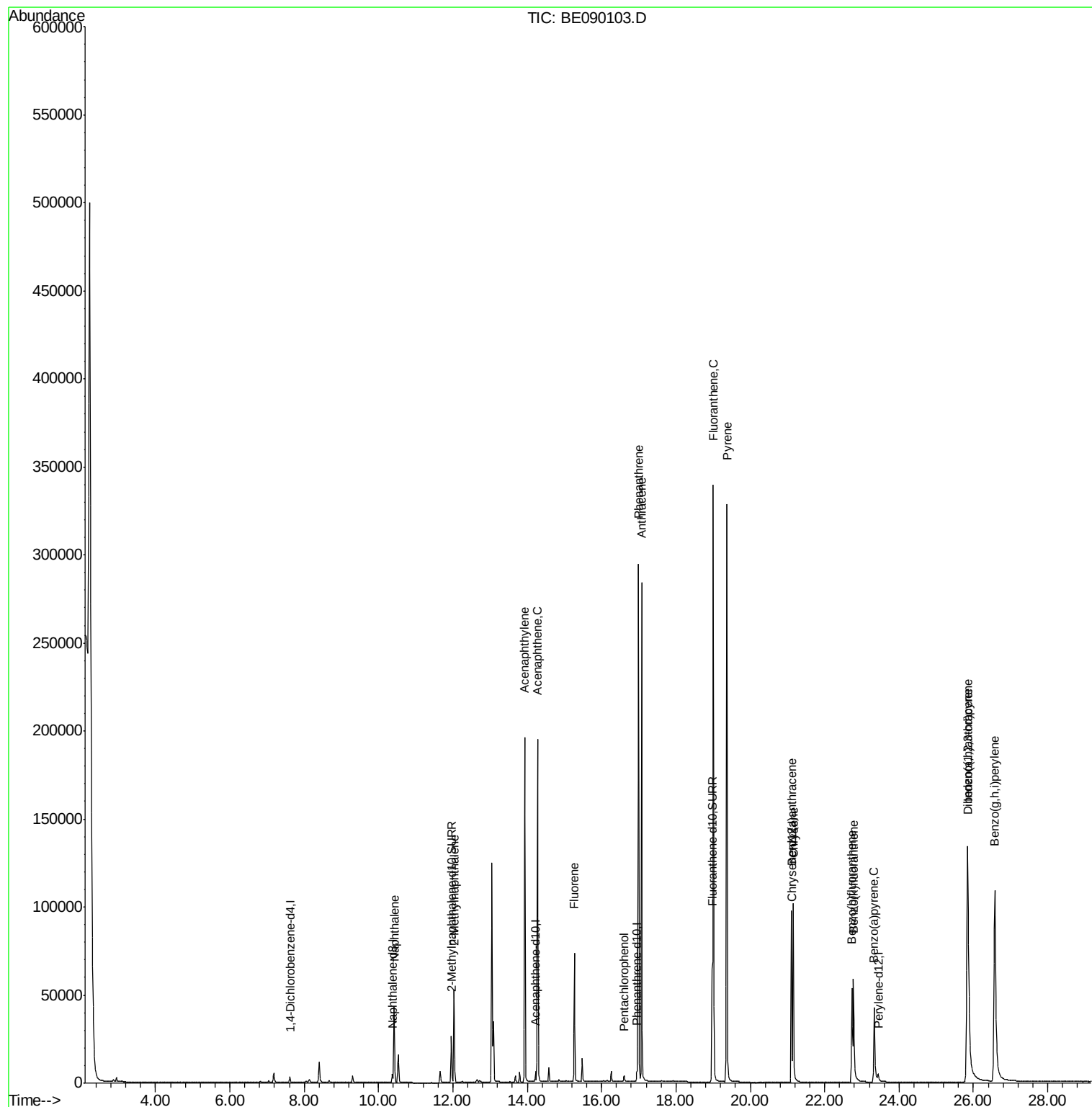
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	56927	2.96	ng/ul	97
5) 2-Methylnaphthalene	12.03	142	38074	2.98	ng/ul	100
7) Acenaphthylene	13.93	152	250001	7.94	ng/ul	99
8) Acenaphthene	14.28	153	170391	7.72	ng/ul	96
9) Fluorene	15.27	166	49603	2.99	ng/ul	96
11) Pentachlorophenol	16.61	266	2983	1.62	ng/ul	95
12) Phenanthrene	16.99	178	317442	7.72	ng/ul	98
13) Anthracene	17.07	178	326942	8.25	ng/ul	95
15) Fluoranthene	19.00	202	373455	8.19	ng/ul	99
17) Pyrene	19.37	202	383723	6.49	ng/ul	99
18) Benzo(a)anthracene	21.11	228	86857	2.56	ng/ul	99
19) Chrysene	21.16	228	100220	2.86	ng/ul	99
21) Benzo(b)fluoranthene	22.73	252	70734	2.59	ng/ul	97
22) Benzo(k)fluoranthene	22.78	252	97807	3.93	ng/ul	97
23) Benzo(a)pyrene	23.33	252	76044	3.11	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.84	276	316387	8.40	ng/ul	98
25) Dibenzo(a,h)anthracene	25.86	278	62420	3.06	ng/ul	92
26) Benzo(g,h,i)perylene	26.58	276	283155	8.52	ng/ul	96

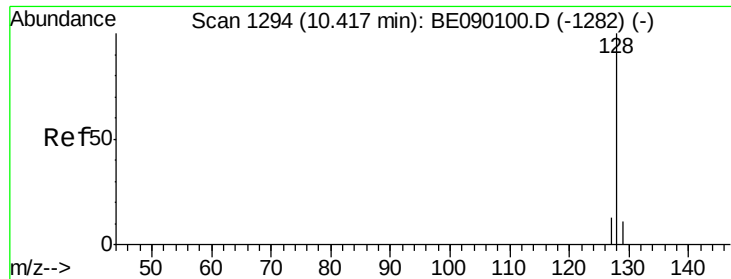
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.96 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

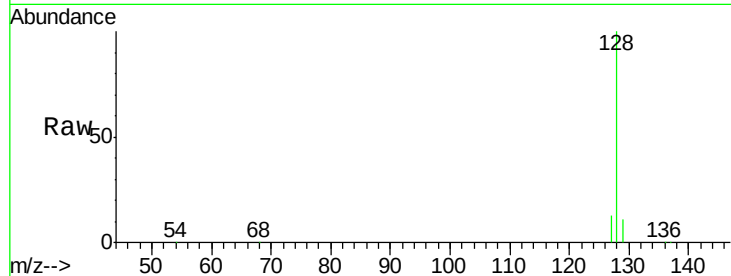
Tgt Ion:128 Resp: 56927

Ion Ratio Lower Upper

128 100

129 11.0 9.4 14.2

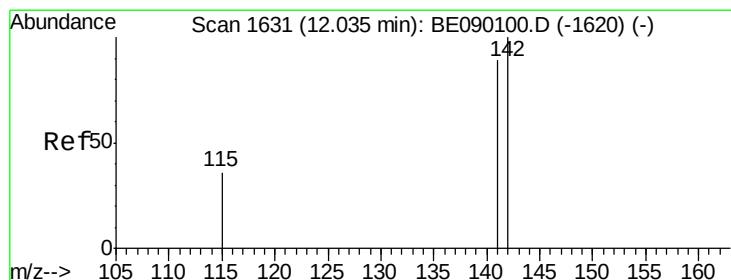
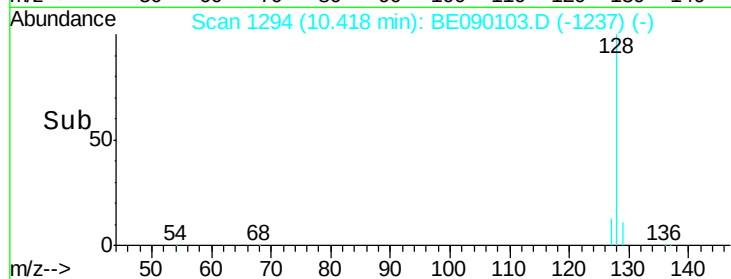
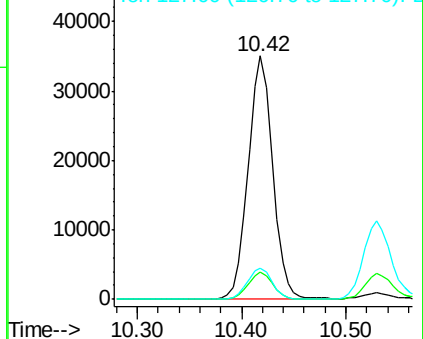
127 12.8 11.5 17.3



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: 2.98 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BE090103.D

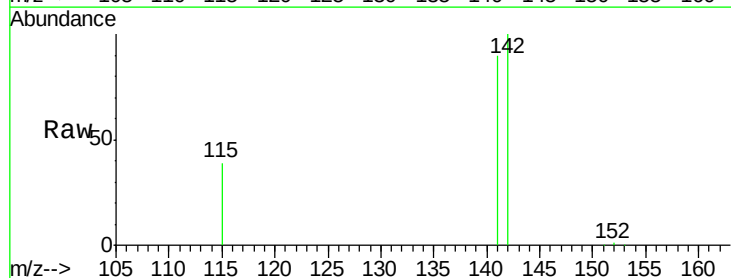
Acq: 14 Jul 2015 17:56

Tgt Ion:142 Resp: 38074

Ion Ratio Lower Upper

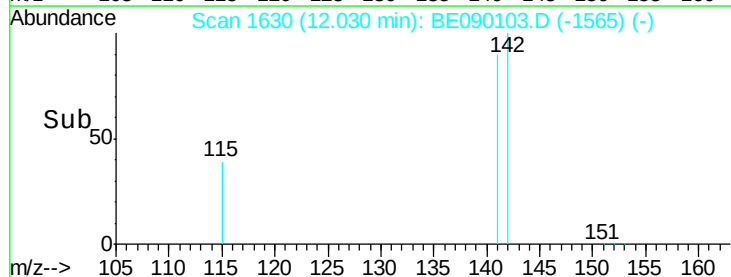
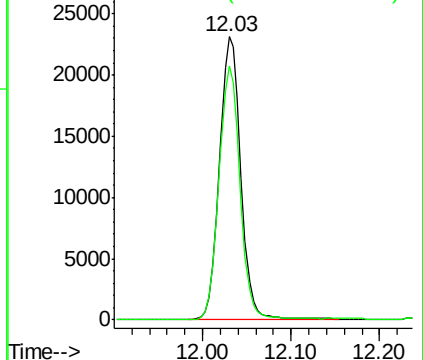
142 100

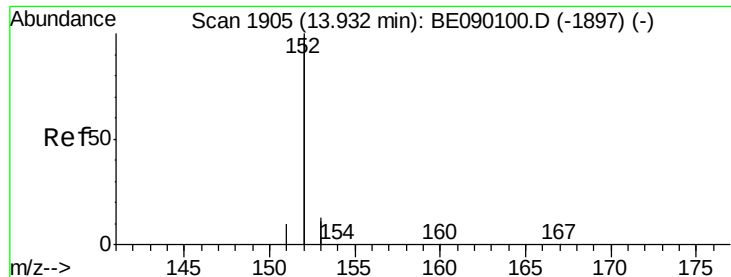
141 89.1 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 7.94 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

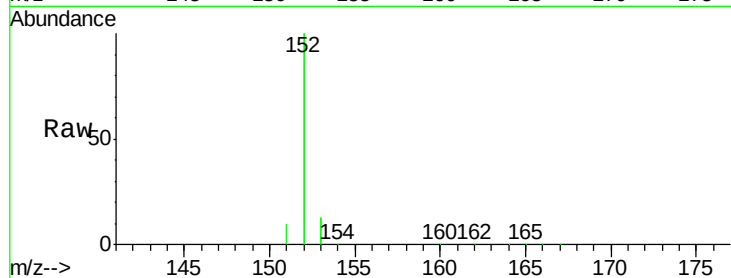
Tgt Ion:152 Resp: 250001

Ion Ratio Lower Upper

152 100

151 4.9 4.1 6.1

153 12.9 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

13.93

200000

150000

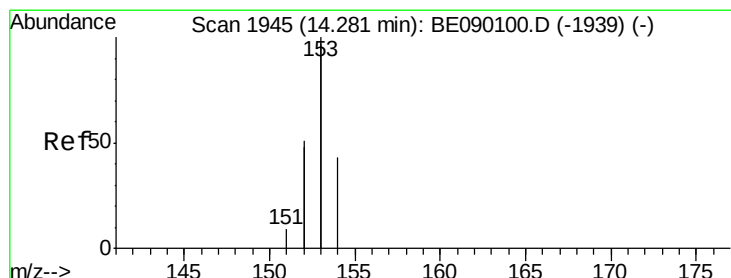
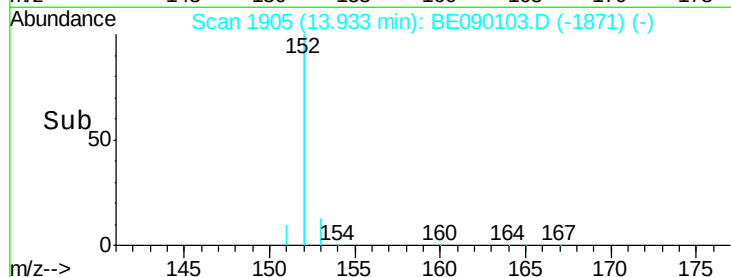
100000

50000

0

Time-->

13.80 14.00 14.20



#8

Acenaphthene

Concen: 7.72 ng/ul

RT: 14.28 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

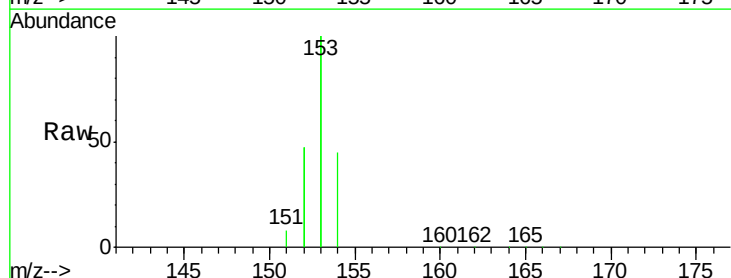
Tgt Ion:153 Resp: 170391

Ion Ratio Lower Upper

153 100

152 47.1 40.6 60.8

154 22.6 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

14.28

150000

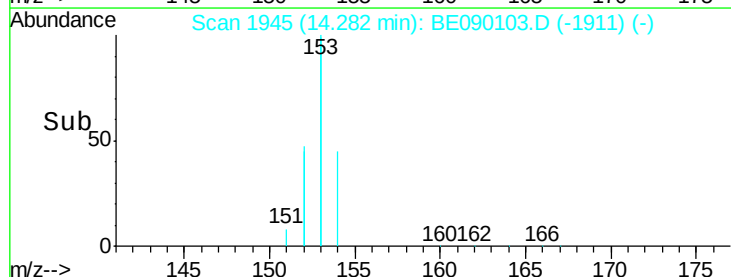
100000

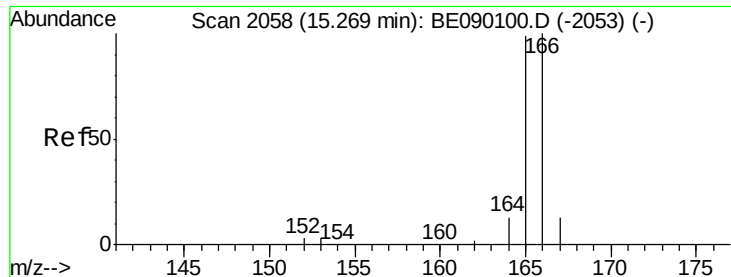
50000

0

Time-->

14.20 14.40 14.60





#9

Fluorene

Concen: 2.99 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

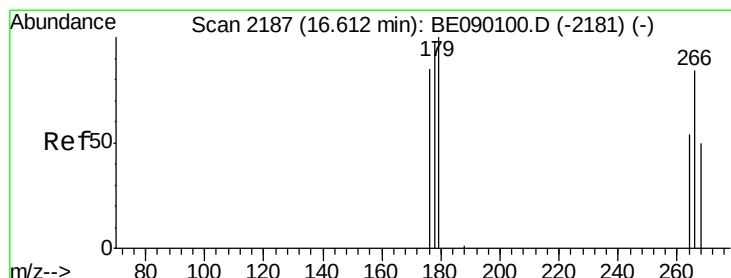
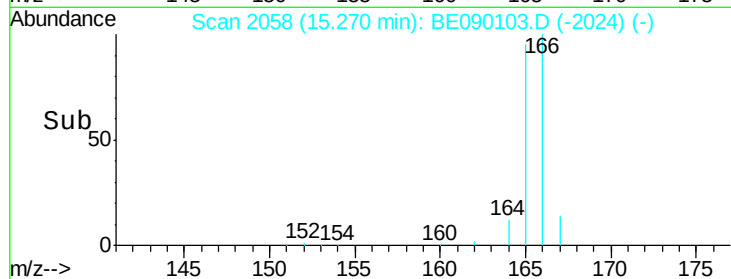
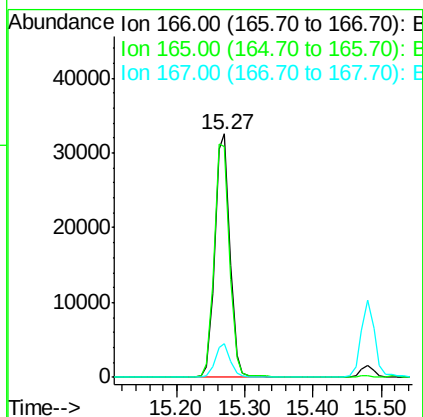
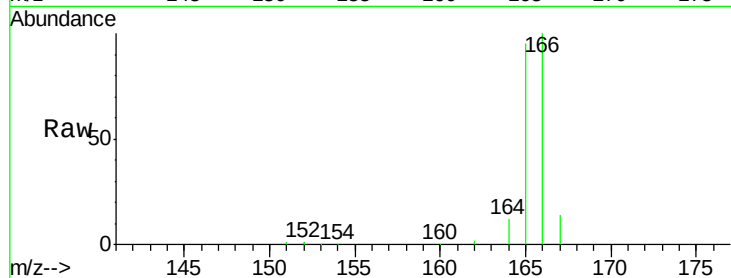
Tgt Ion:166 Resp: 49603

Ion Ratio Lower Upper

166 100

165 94.6 79.3 118.9

167 13.6 11.6 17.4



#11

Pentachlorophenol

Concen: 1.62 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

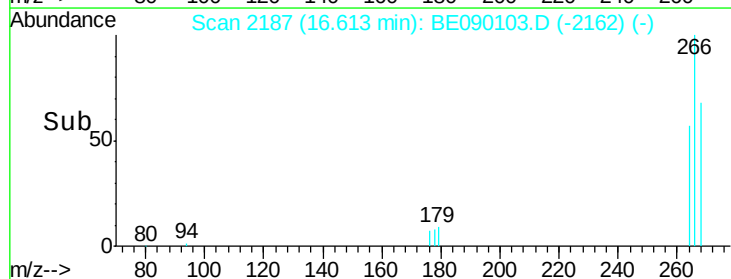
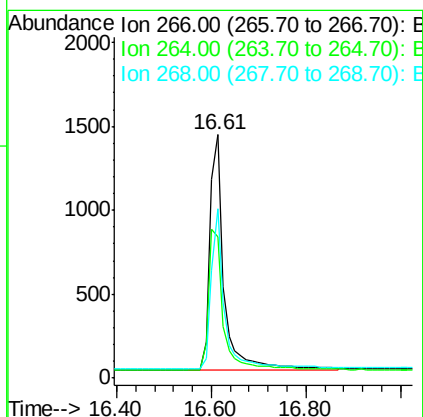
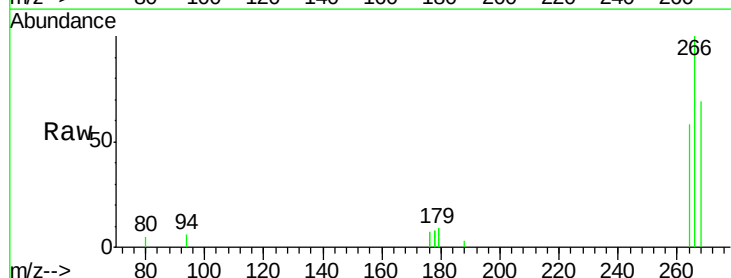
Tgt Ion:266 Resp: 2983

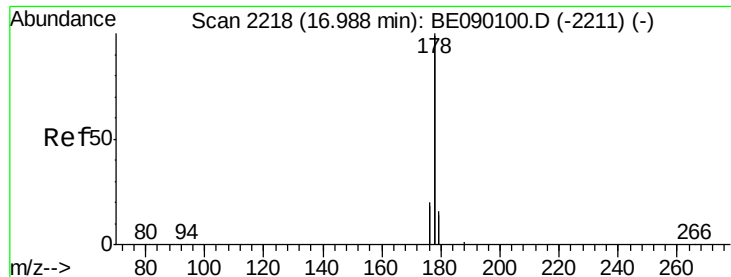
Ion Ratio Lower Upper

266 100

264 64.0 46.8 70.2

268 64.0 49.1 73.7





#12

Phenanthrene

Concen: 7.72 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

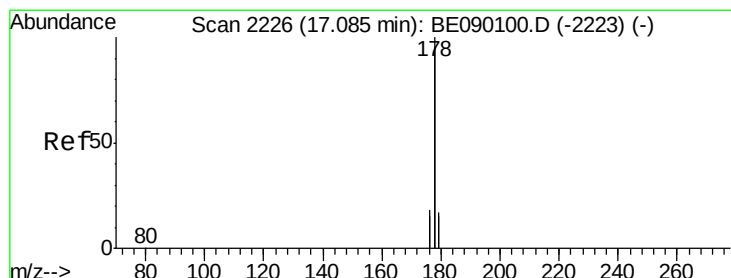
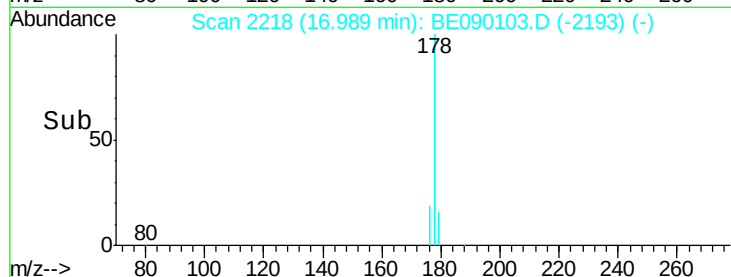
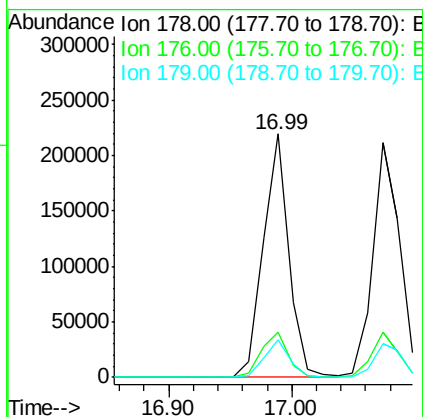
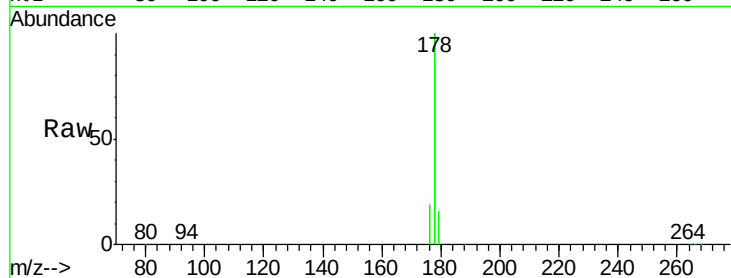
Tgt Ion:178 Resp: 317442

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

179 15.7 12.6 18.8



#13

Anthracene

Concen: 8.25 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

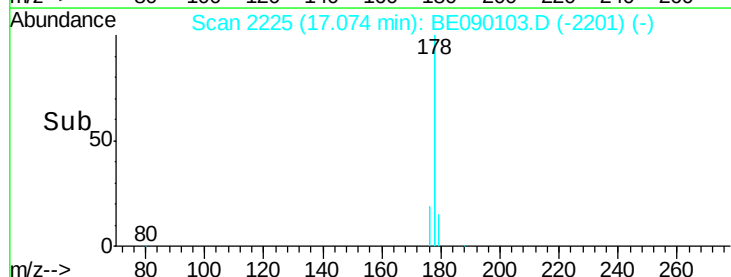
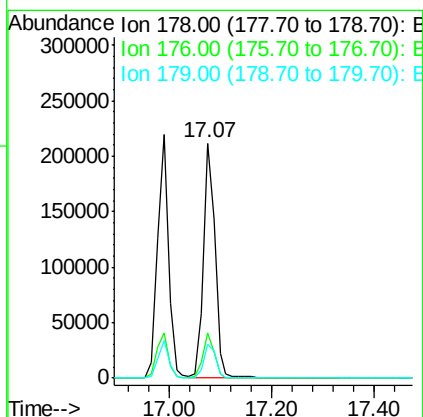
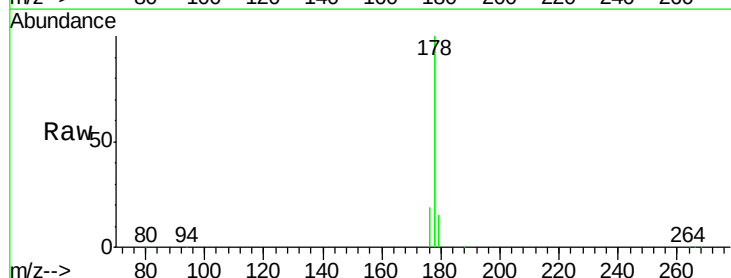
Tgt Ion:178 Resp: 326942

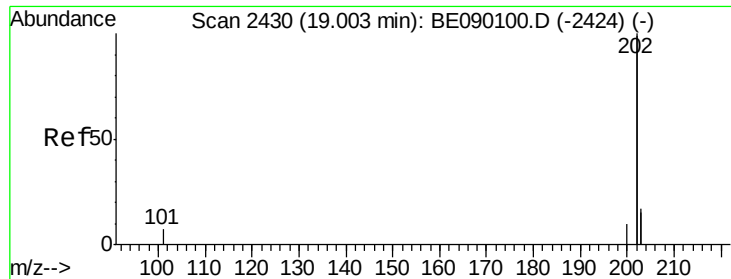
Ion Ratio Lower Upper

178 100

176 19.3 14.0 21.0

179 14.6 13.8 20.6

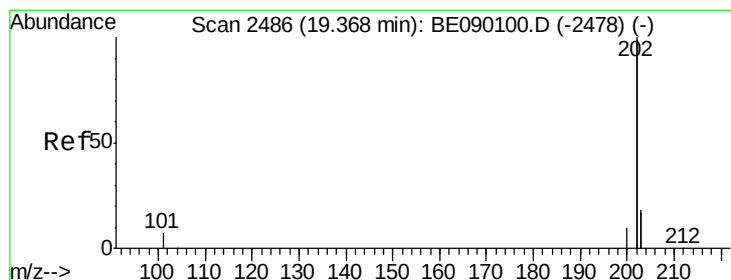
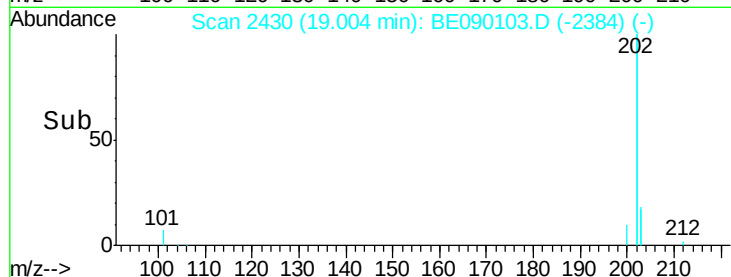
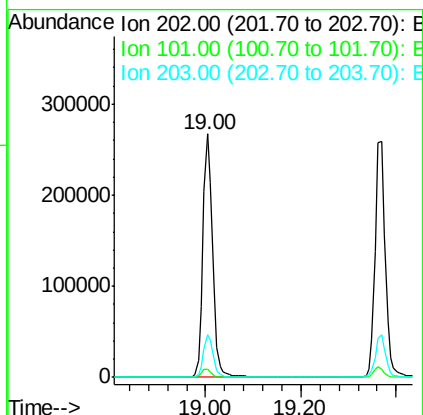
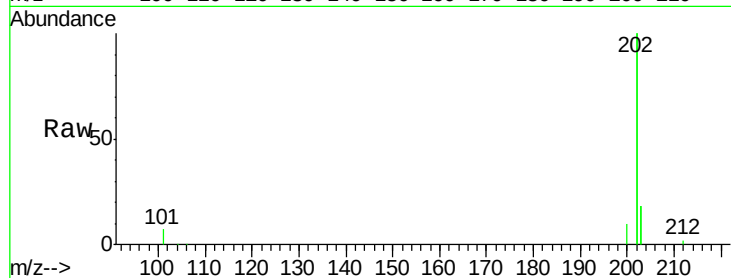




#15
Fluoranthene
Concen: 8.19 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

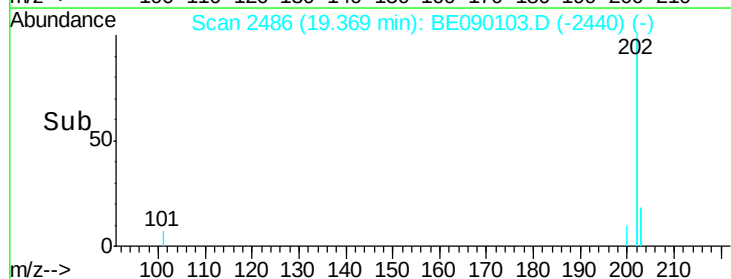
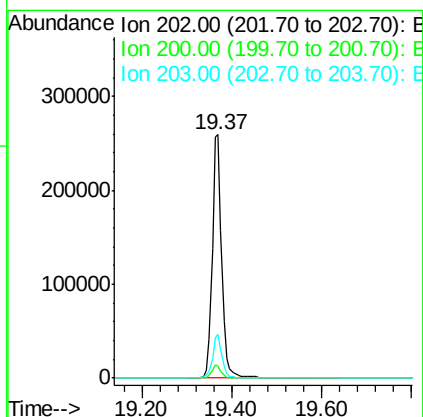
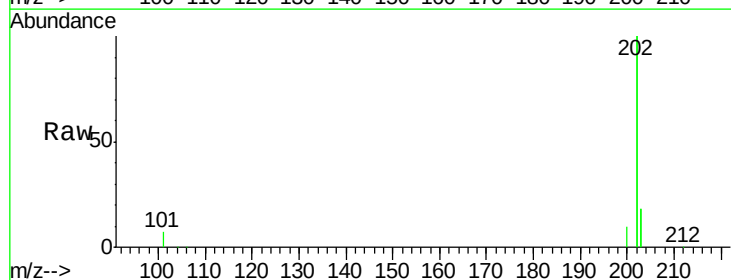
Instrument :
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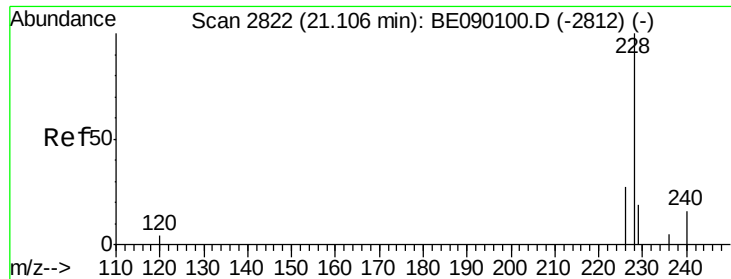
Tgt Ion: 202 Resp: 373455
Ion Ratio Lower Upper
202 100
101 3.3 0.0 23.5
203 17.5 0.0 37.0



#17
Pyrene
Concen: 6.49 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

Tgt Ion: 202 Resp: 383723
Ion Ratio Lower Upper
202 100
200 5.0 4.2 6.4
203 18.3 14.5 21.7

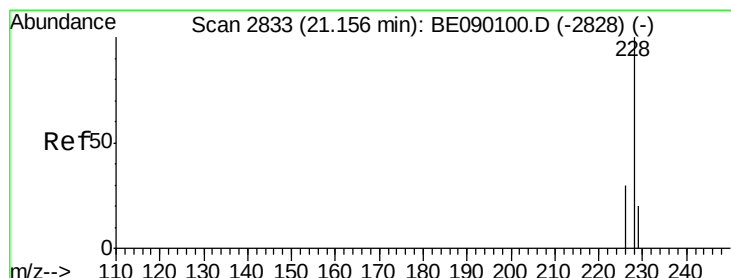
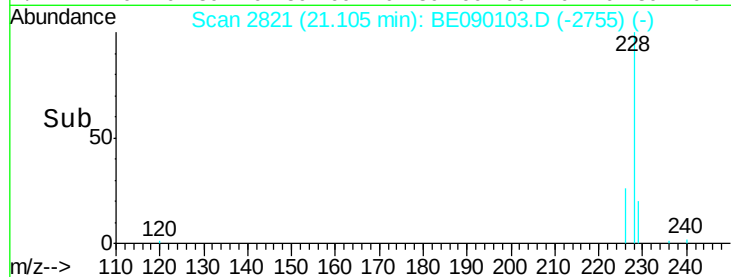
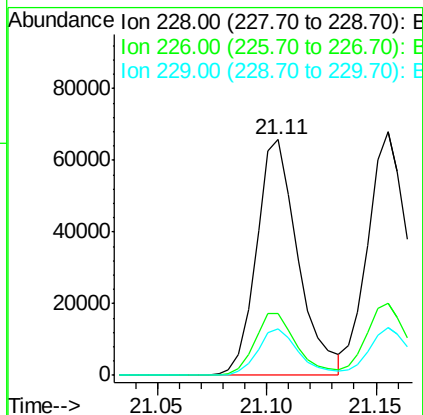
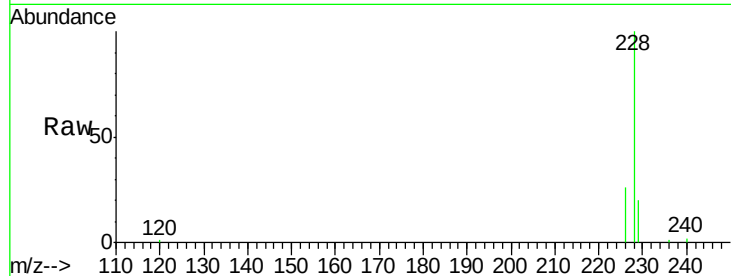




#18
Benzo(a)anthracene
Concen: 2.56 ng/ul
RT: 21.11 min Scan# 2821
Delta R.T. -0.00 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

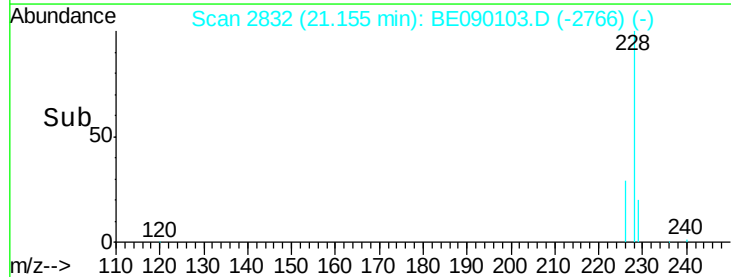
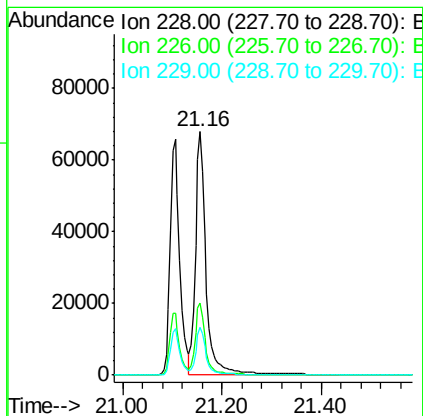
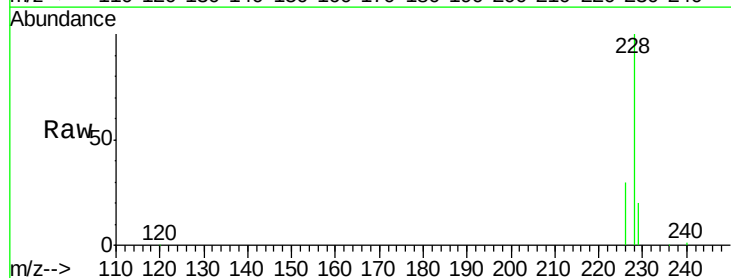
Instrument :
BNA_E
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SSTD3.206

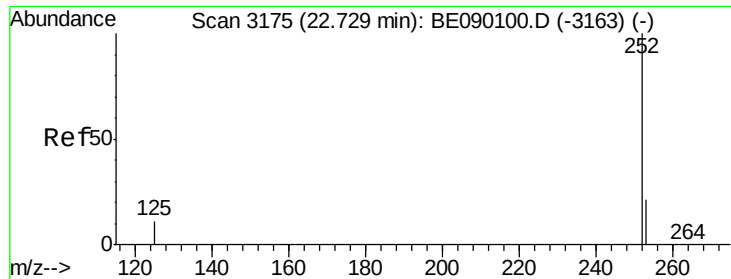
Tgt Ion:228 Resp: 86857
Ion Ratio Lower Upper
228 100
226 26.3 21.8 32.8
229 19.9 16.0 24.0



#19
Chrysene
Concen: 2.86 ng/ul
RT: 21.16 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

Tgt Ion:228 Resp: 100220
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 19.8 16.1 24.1





#21

Benzo(b)fluoranthene

Concen: 2.59 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

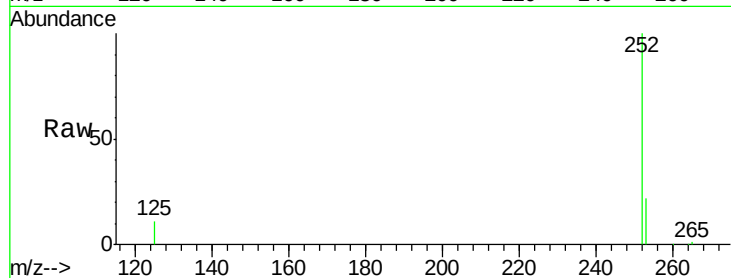
Tgt Ion:252 Resp: 70734

Ion Ratio Lower Upper

252 100

253 21.9 0.0 45.8

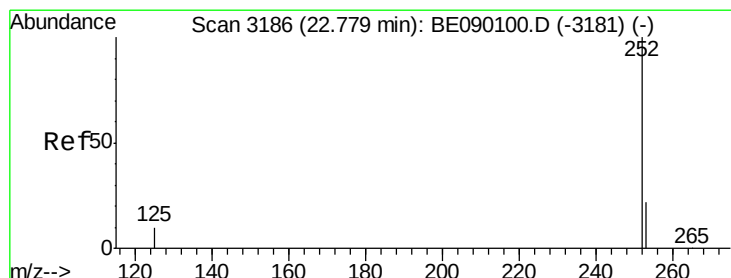
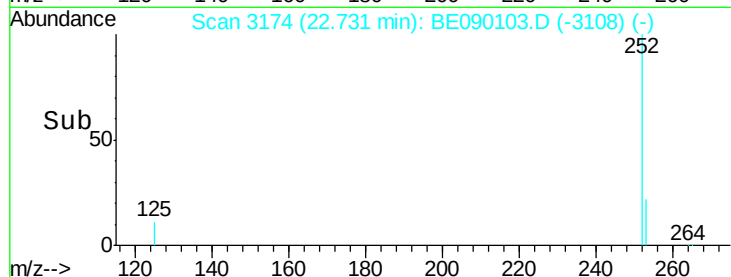
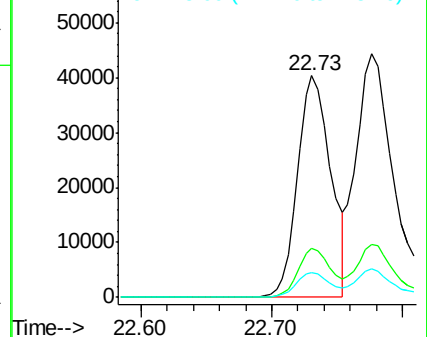
125 11.4 0.0 26.6



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: 3.93 ng/ul

RT: 22.78 min Scan# 3184

Delta R.T. -0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

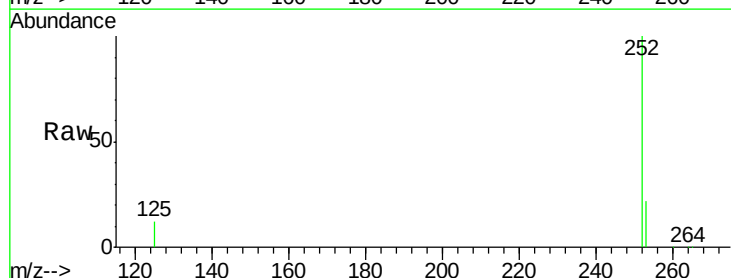
Tgt Ion:252 Resp: 97807

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

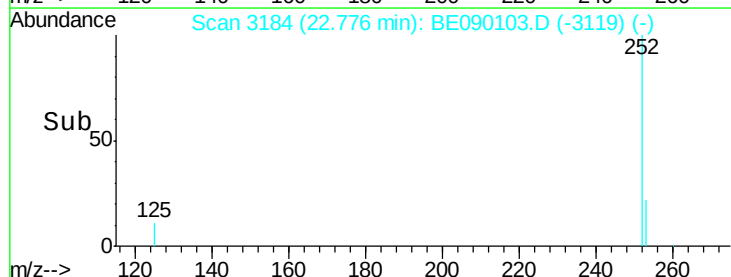
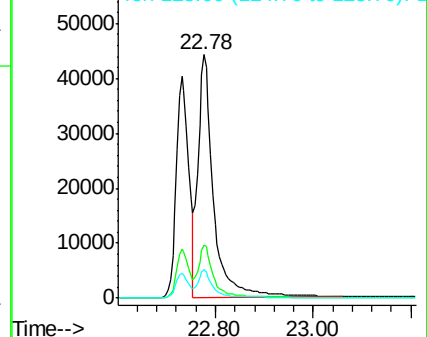
125 11.5 10.3 15.5

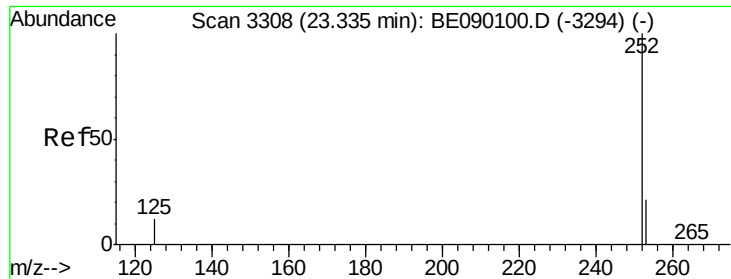


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.11 ng/ul

RT: 23.33 min Scan# 3306

Delta R.T. -0.00 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

Instrument :

BNA_E

ClientSampleId :

SSTD3.206

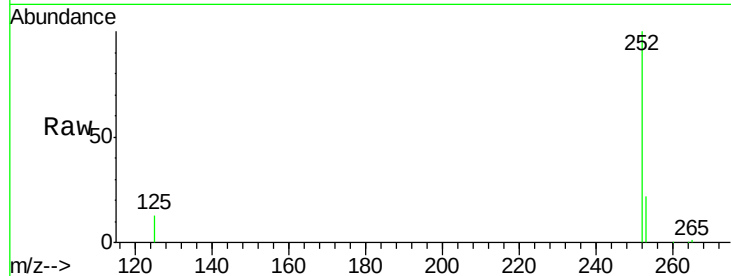
Tgt Ion:252 Resp: 76044

Ion Ratio Lower Upper

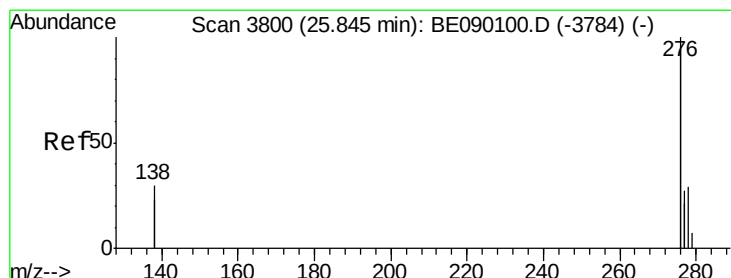
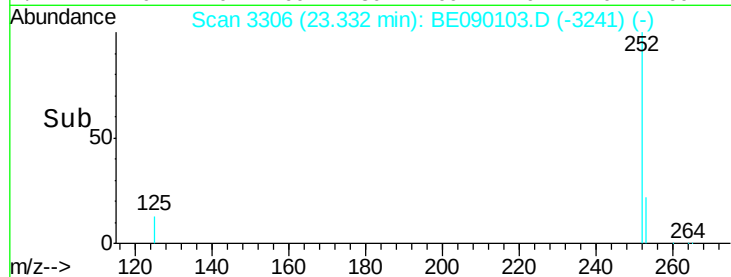
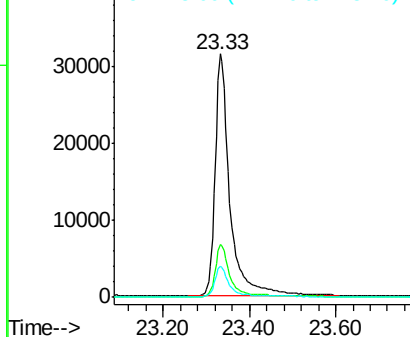
252 100

253 22.0 18.6 27.8

125 12.9 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: 8.40 ng/ul

RT: 25.84 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BE090103.D

Acq: 14 Jul 2015 17:56

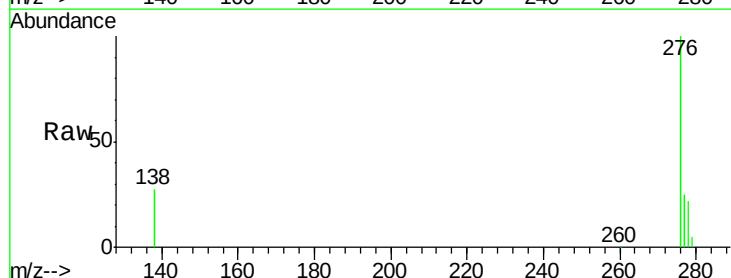
Tgt Ion:276 Resp: 316387

Ion Ratio Lower Upper

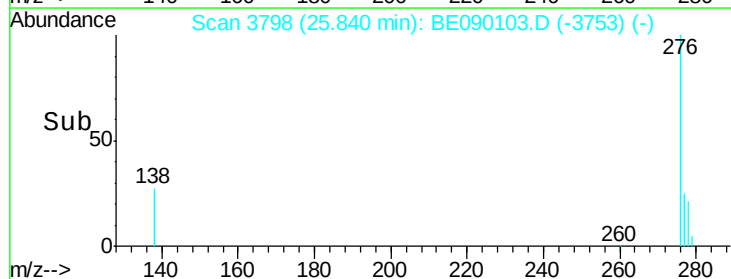
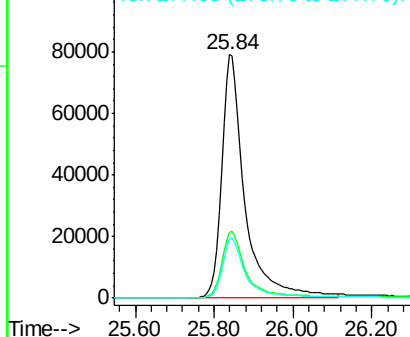
276 100

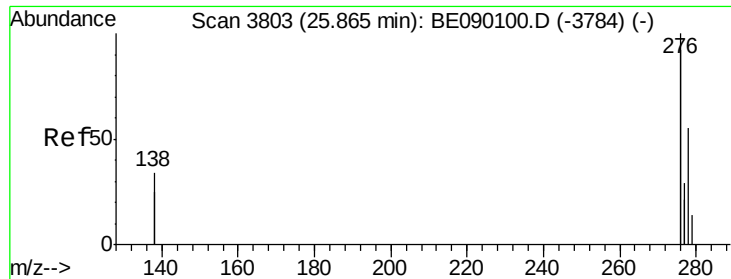
138 28.5 21.8 32.8

277 24.9 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

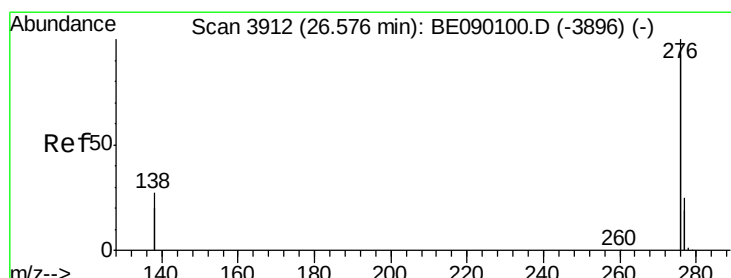
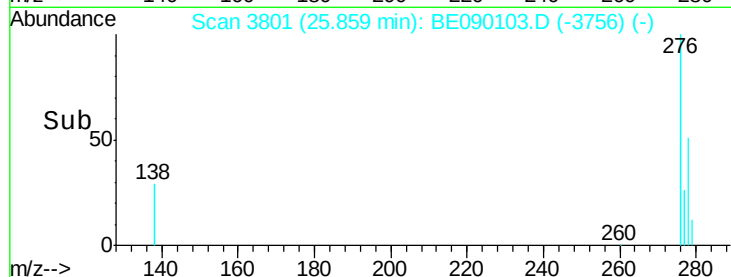
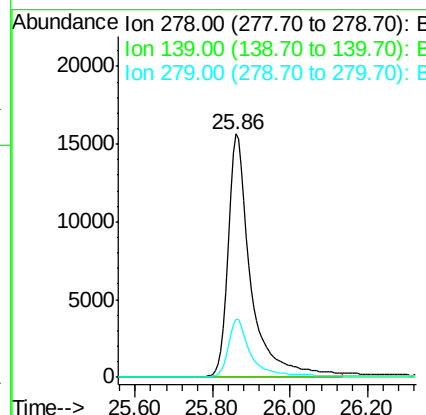
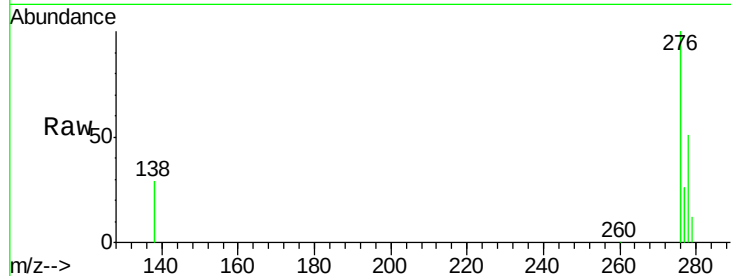




#25
Dibenzo(a,h)anthracene
Concen: 3.06 ng/ul
RT: 25.86 min Scan# 3801
Delta R.T. -0.01 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

Instrument :
BNA_E
ClientSampleId :
SSTD3.206

Tgt Ion: 278 Resp: 62420
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 23.9 22.6 34.0



#26
Benzo(g,h,i)perylene
Concen: 8.52 ng/ul
RT: 26.58 min Scan# 3911
Delta R.T. 0.00 min
Lab File: BE090103.D
Acq: 14 Jul 2015 17:56

Tgt Ion: 276 Resp: 283155
Ion Ratio Lower Upper
276 100
277 23.7 20.0 30.0
138 24.8 21.7 32.5

