

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090267.D
 Acq On : 28 Jul 2015 12:29
 Operator : TP/IZ
 Sample : SSTD0.142
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.142

Quant Time: Jul 29 04:03:07 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 04:02:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1081	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	4385	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2707	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6235	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3717	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2437	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	642	0.10	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	1685	0.10	ng/ul	0.00

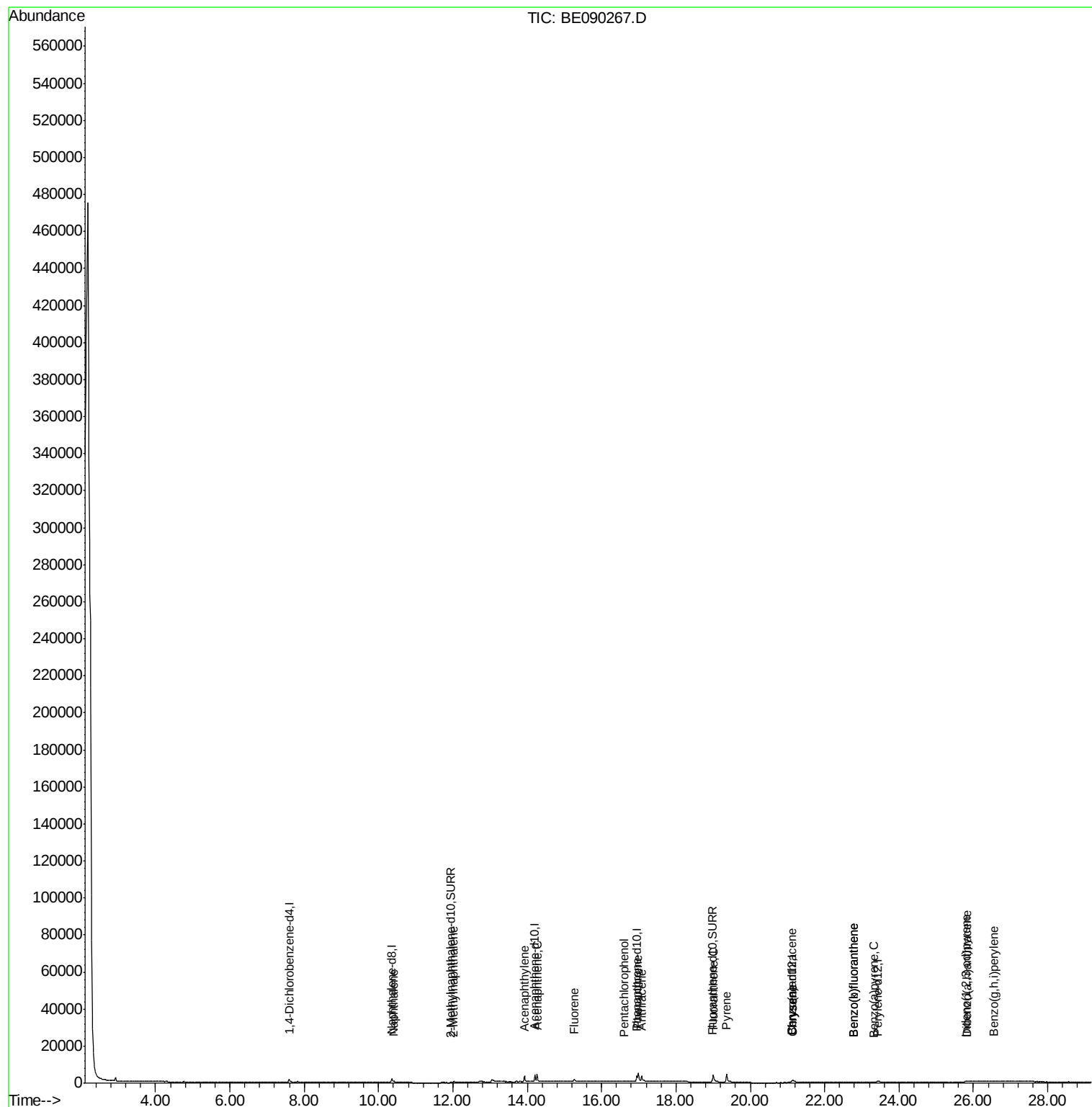
Target Compounds				Qvalue		
3) Naphthalene	10.40	128	1153	0.10	ng/ul#	85
5) 2-Methylnaphthalene	12.03	142	736	0.10	ng/ul	92
7) Acenaphthylene	13.92	152	5639	0.10	ng/ul#	92
8) Acenaphthene	14.26	153	4252	0.10	ng/ul	97
9) Fluorene	15.26	166	1198	0.11	ng/ul#	96
11) Pentachlorophenol	16.60	266	3	0.01	ng/ul#	53
12) Phenanthrene	16.98	178	6827	0.10	ng/ul#	92
13) Anthracene	17.07	178	7110	0.10	ng/ul#	90
15) Fluoranthene	19.00	202	7920	0.10	ng/ul	94
17) Pyrene	19.36	202	8185	0.13	ng/ul#	92
18) Benzo(a)anthracene	21.11	228	487	0.08	ng/ul#	85
19) Chrysene	21.15	228	1457	0.09	ng/ul#	86
21) Benzo(b)fluoranthene	22.77	252	796	0.21	ng/ul	70
22) Benzo(k)fluoranthene	22.77	252	796	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.33	252	407	0.08	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	25.81	276	1621	0.11	ng/ul#	86
25) Dibenzo(a,h)anthracene	25.84	278	185	0.08	ng/ul#	63
26) Benzo(g,h,i)perylene	26.56	276	2207	0.09	ng/ul#	68

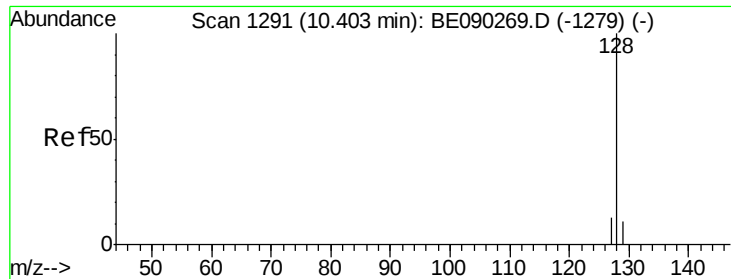
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
Data File : BE090267.D
Acq On : 28 Jul 2015 12:29
Operator : TP/IZ
Sample : SSTD0.142
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.142

Quant Time: Jul 29 04:03:07 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 04:02:22 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.40 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

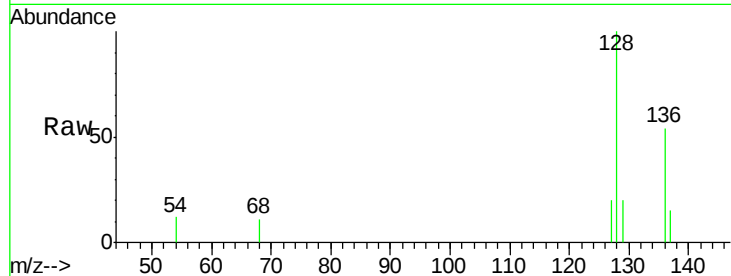
Tgt Ion:128 Resp: 1153

Ion Ratio Lower Upper

128 100

129 19.7 10.4 15.6#

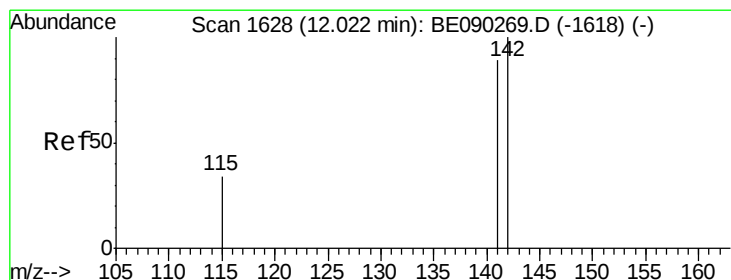
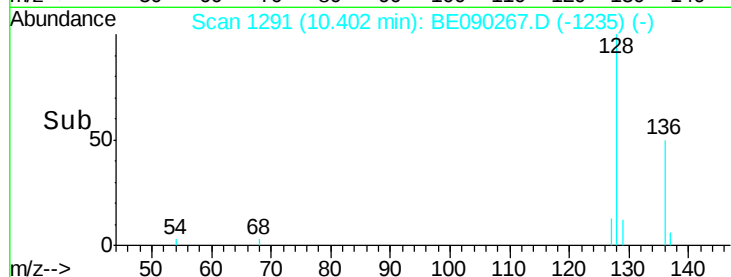
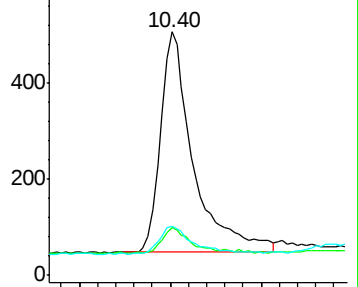
127 20.3 12.1 18.1#



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: 0.10 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE090267.D

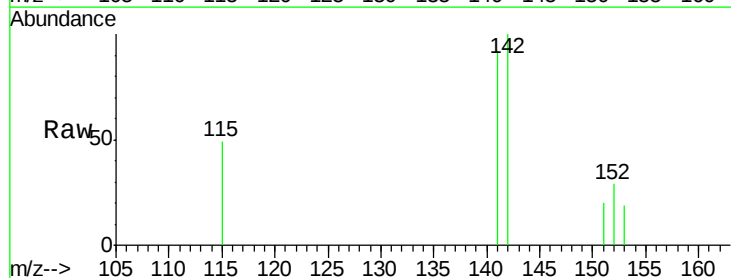
Acq: 28 Jul 2015 12:29

Tgt Ion:142 Resp: 736

Ion Ratio Lower Upper

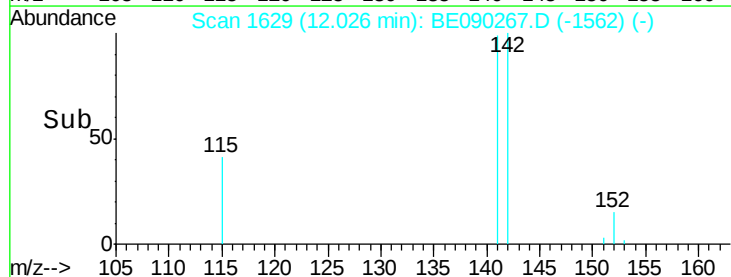
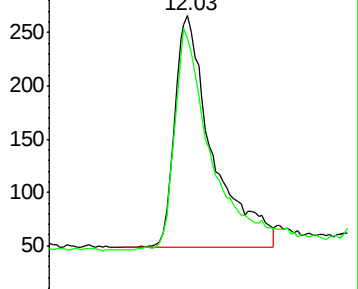
142 100

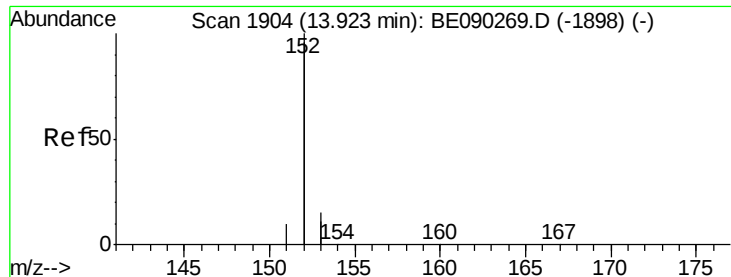
141 98.4 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

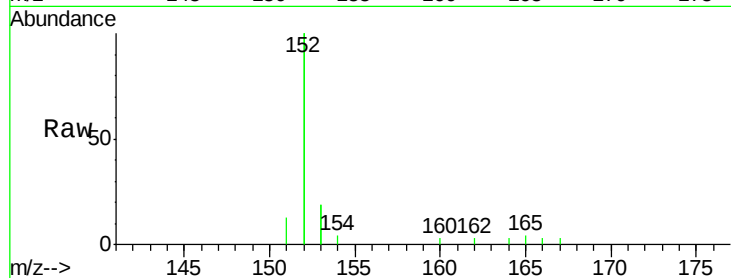
Tgt Ion:152 Resp: 5639

Ion Ratio Lower Upper

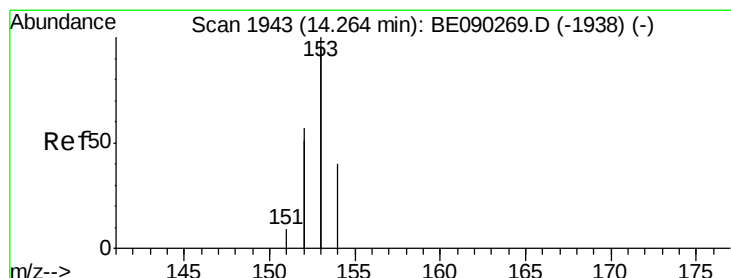
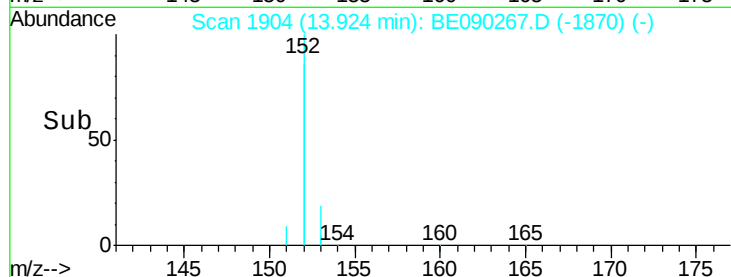
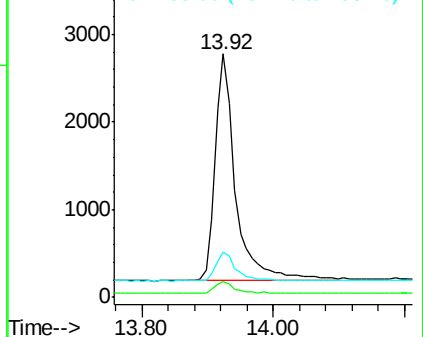
152 100

151 6.3 4.3 6.5

153 18.8 11.9 17.9#



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: 0.10 ng/ul

RT: 14.26 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

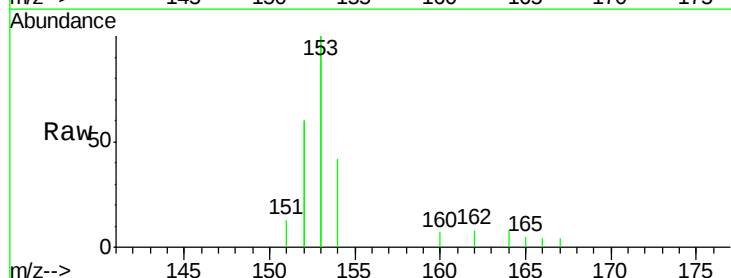
Tgt Ion:153 Resp: 4252

Ion Ratio Lower Upper

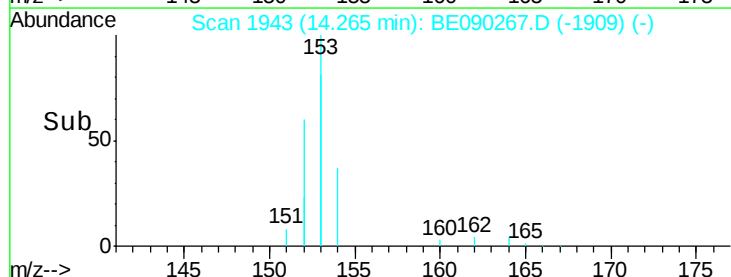
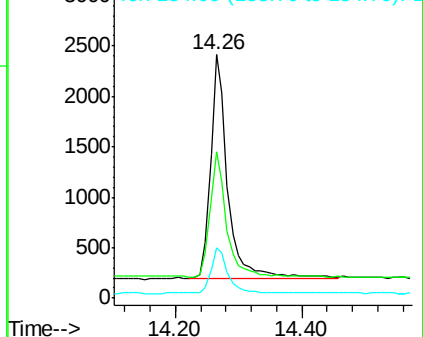
153 100

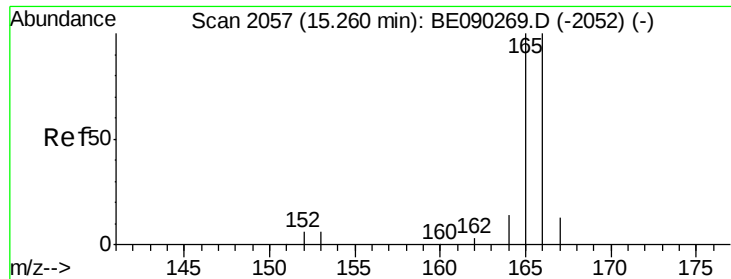
152 60.2 45.7 68.5

154 20.8 16.4 24.6



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: 0.11 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

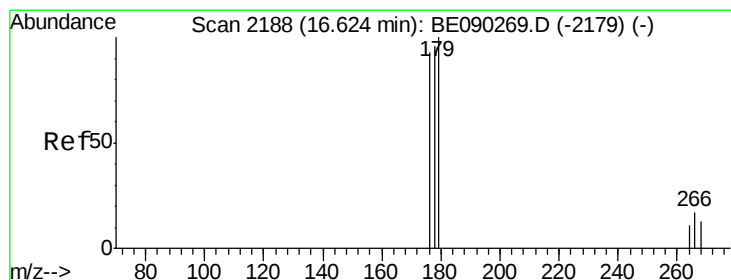
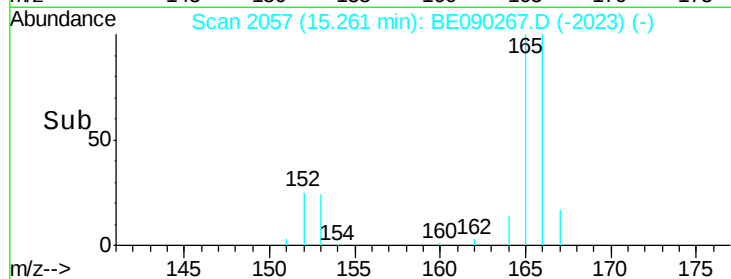
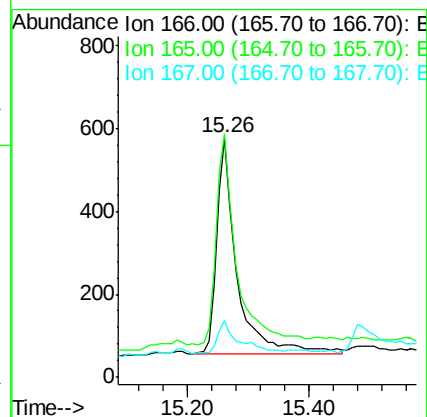
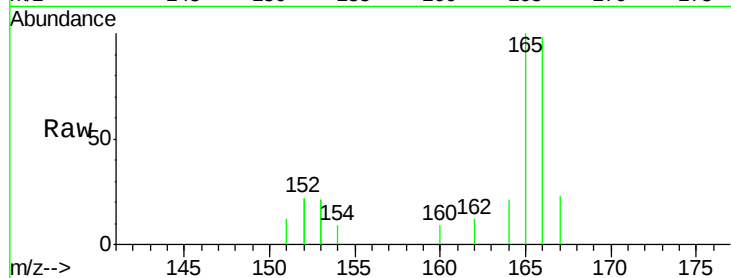
Tgt Ion:166 Resp: 1198

Ion Ratio Lower Upper

166 100

165 102.1 80.3 120.5

167 23.6 12.4 18.6#



#11

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.60 min Scan# 2186

Delta R.T. -0.02 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

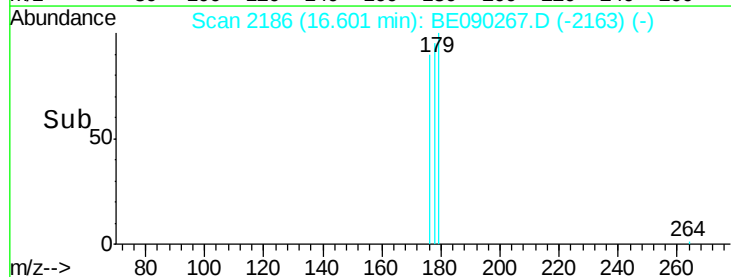
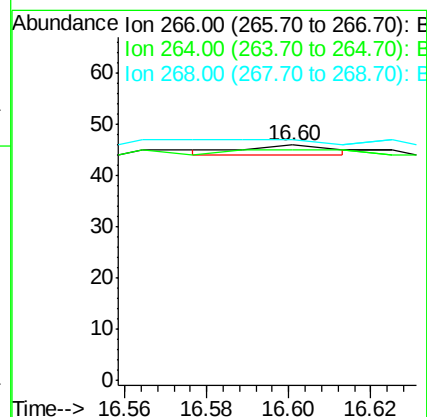
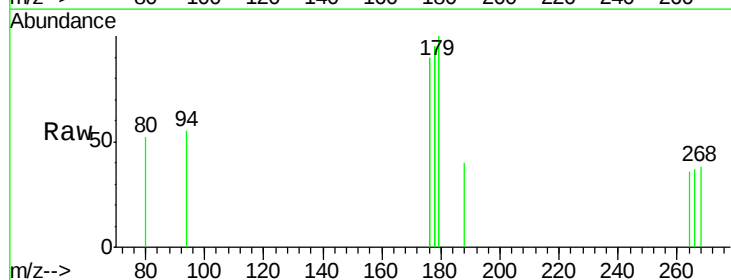
Tgt Ion:266 Resp: 3

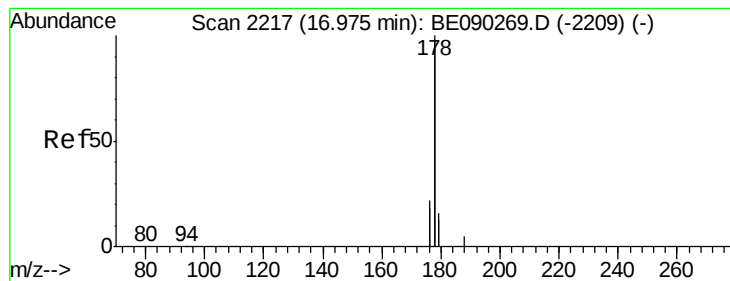
Ion Ratio Lower Upper

266 100

264 66.7 43.4 65.0#

268 0.0 44.6 66.8#





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

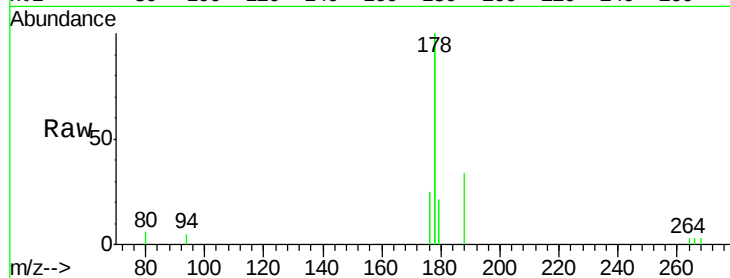
Tgt Ion:178 Resp: 6827

Ion Ratio Lower Upper

178 100

176 24.9 17.3 25.9

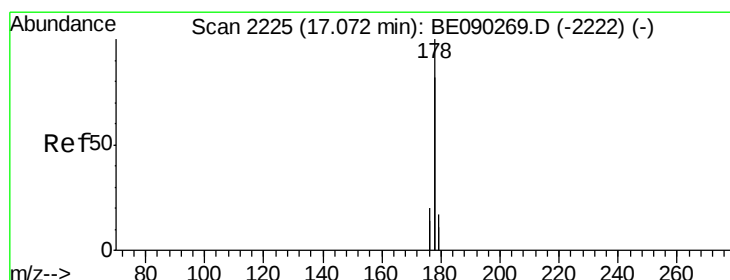
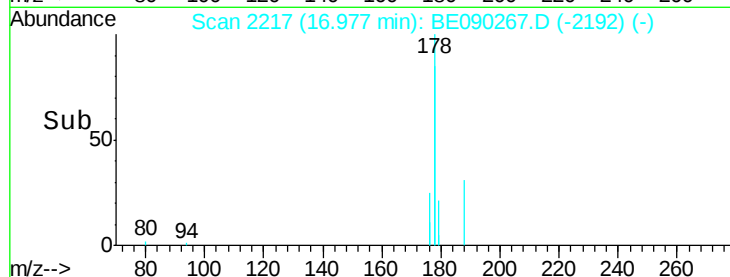
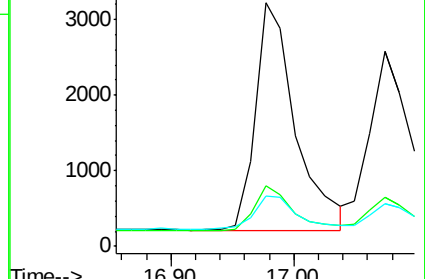
179 20.6 13.1 19.7#



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: 0.10 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

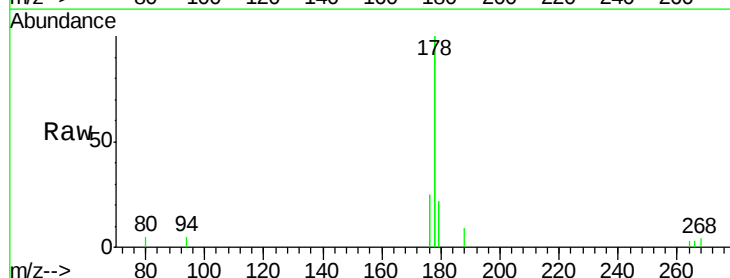
Tgt Ion:178 Resp: 7110

Ion Ratio Lower Upper

178 100

176 25.0 16.4 24.6#

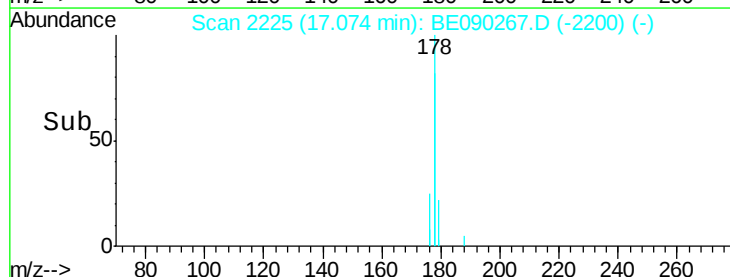
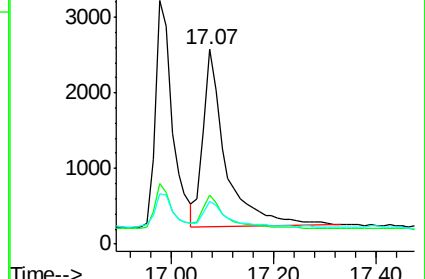
179 22.1 13.9 20.9#

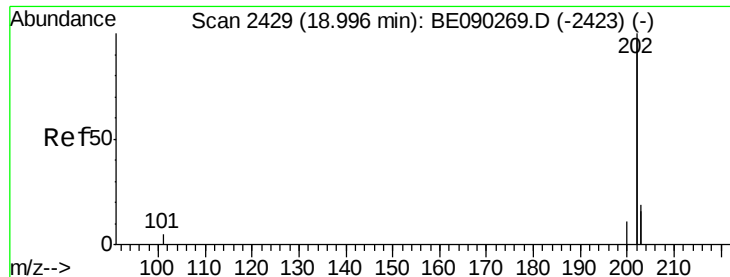


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

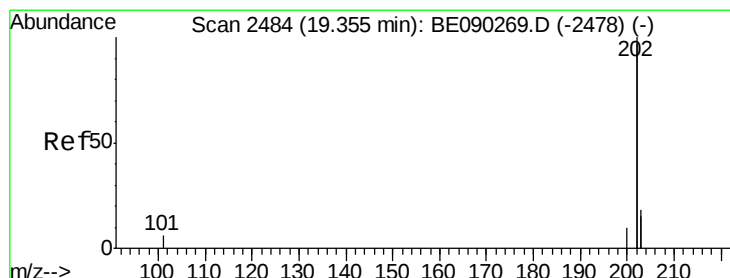
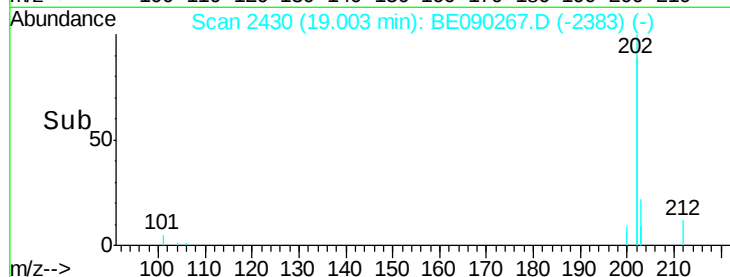
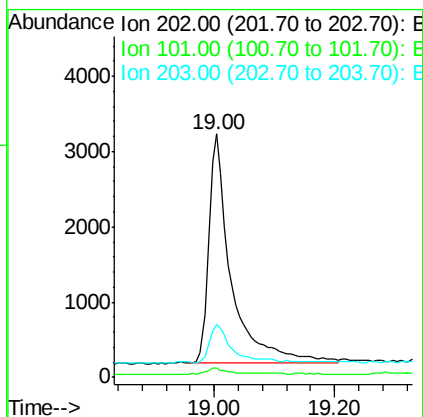
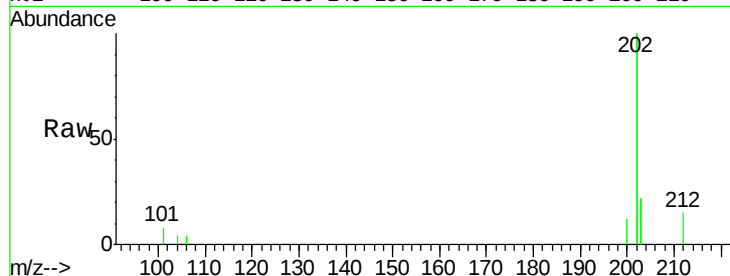
Tgt Ion:202 Resp: 7920

Ion Ratio Lower Upper

202 100

101 3.8 0.0 22.9

203 21.7 0.0 39.0



#17

Pyrene

Concen: 0.13 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

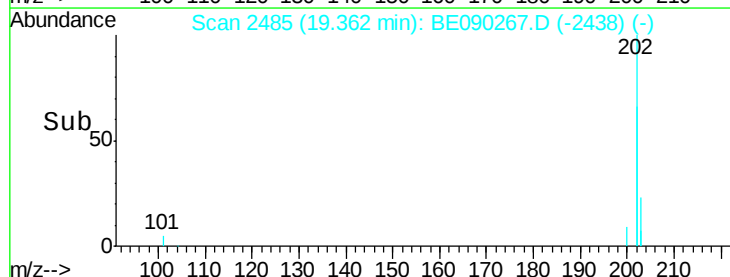
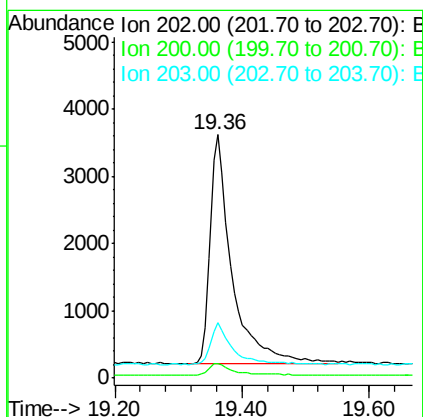
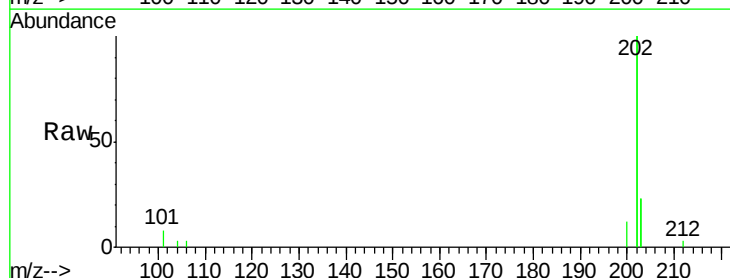
Tgt Ion:202 Resp: 8185

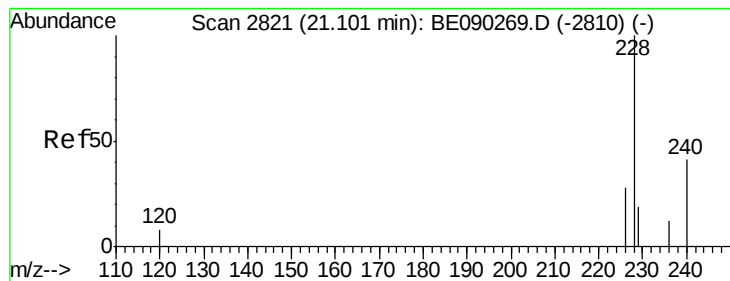
Ion Ratio Lower Upper

202 100

200 6.1 4.5 6.7

203 22.7 14.4 21.6#





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.11 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

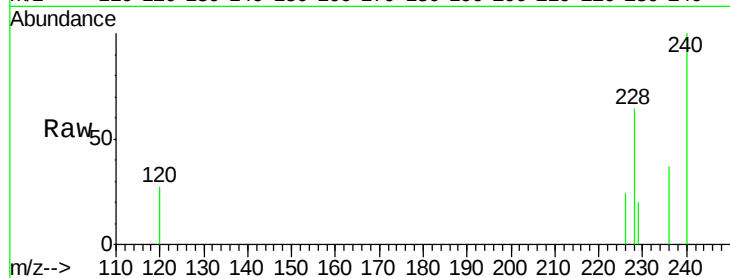
Tgt Ion:228 Resp: 487

Ion Ratio Lower Upper

228 100

226 37.3 24.6 36.8#

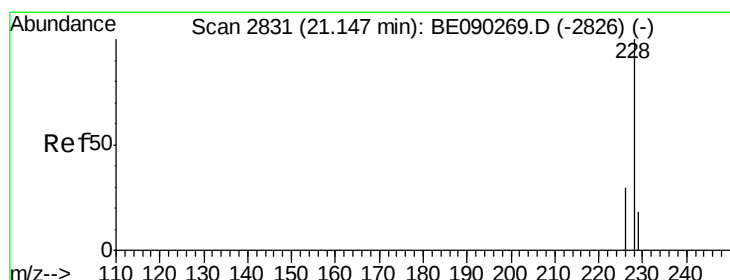
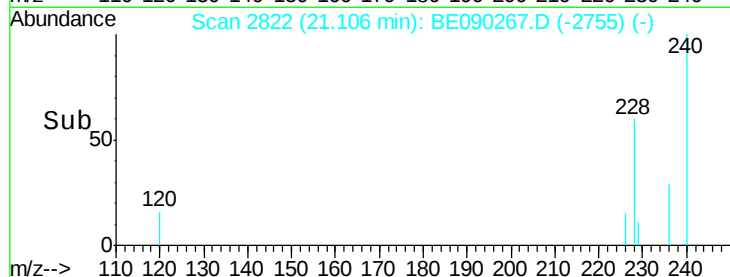
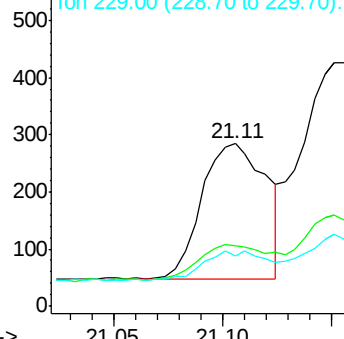
229 31.0 17.9 26.9#



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: 0.09 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

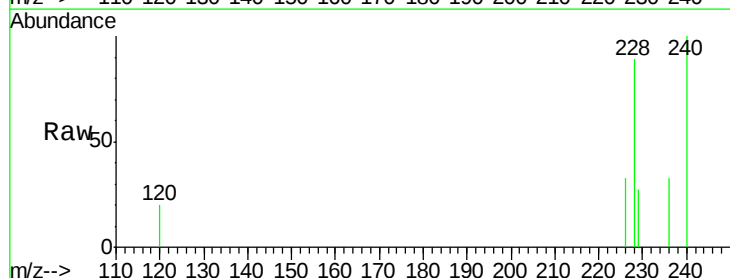
Tgt Ion:228 Resp: 1457

Ion Ratio Lower Upper

228 100

226 37.3 25.0 37.4

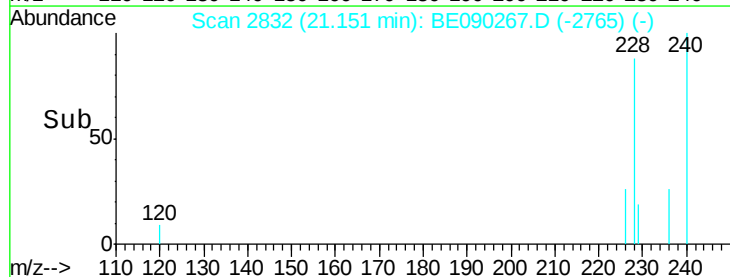
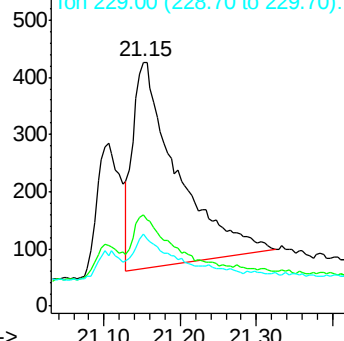
229 29.8 16.6 24.8#

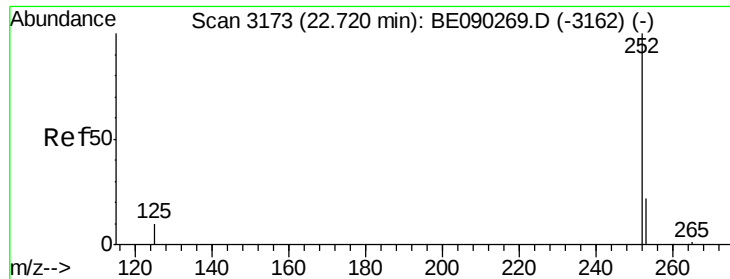


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.21 ng/u1

RT: 22.77 min Scan# 3184

Delta R.T. 0.05 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

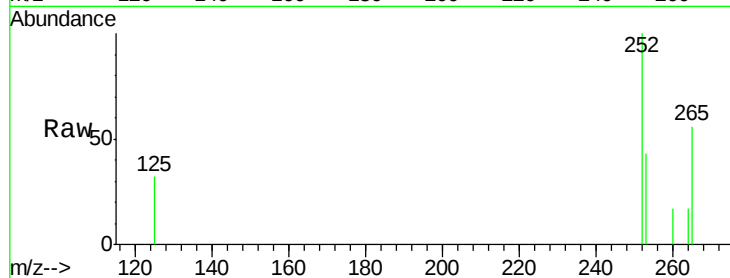
Tgt Ion:252 Resp: 796

Ion Ratio Lower Upper

252 100

253 43.2 0.0 57.2

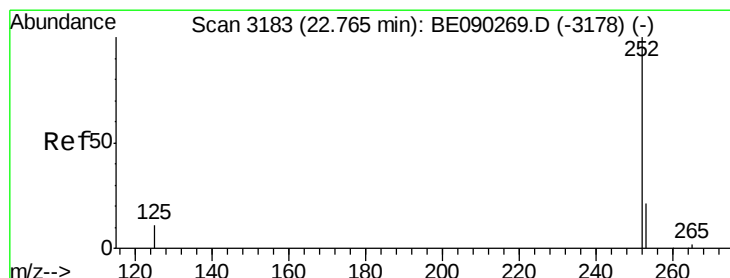
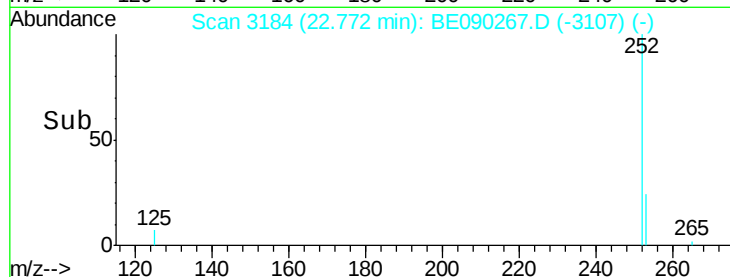
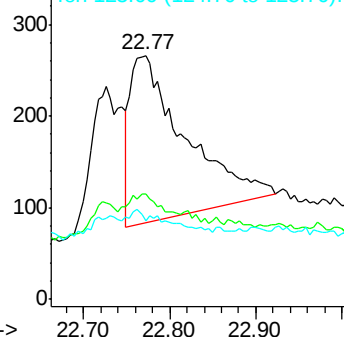
125 32.3 0.0 34.6



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: 0.06 ng/u1

RT: 22.77 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

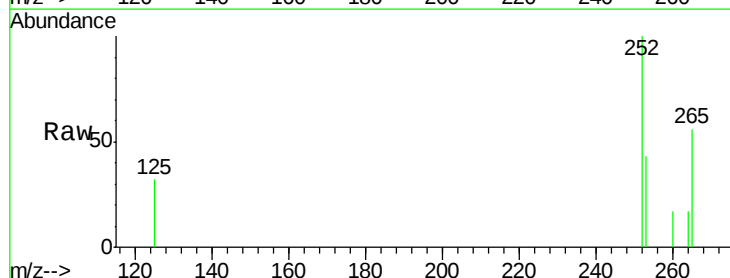
Tgt Ion:252 Resp: 796

Ion Ratio Lower Upper

252 100

253 43.2 21.3 31.9#

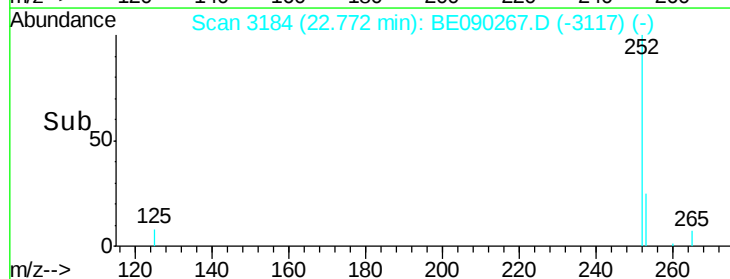
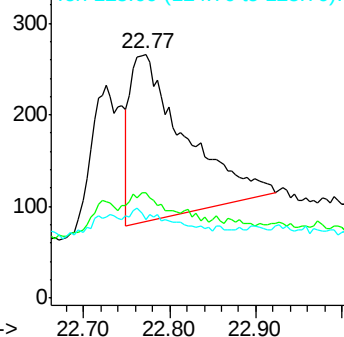
125 32.3 13.3 19.9#

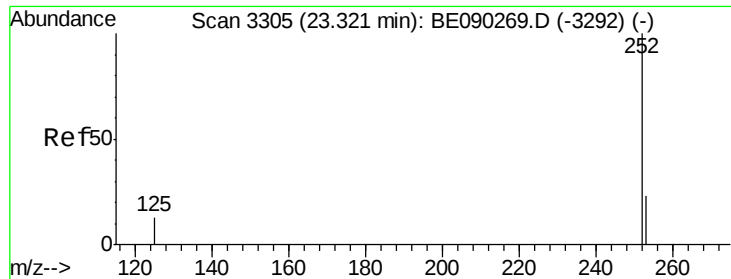


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.33 min Scan# 3307

Delta R.T. 0.01 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

Instrument :

BNA_E

ClientSampleId :

SSTD0.142

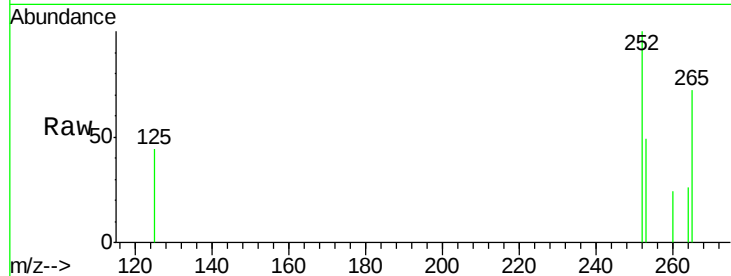
Tgt Ion: 252 Resp: 407

Ion Ratio Lower Upper

252 100

253 49.2 24.9 37.3#

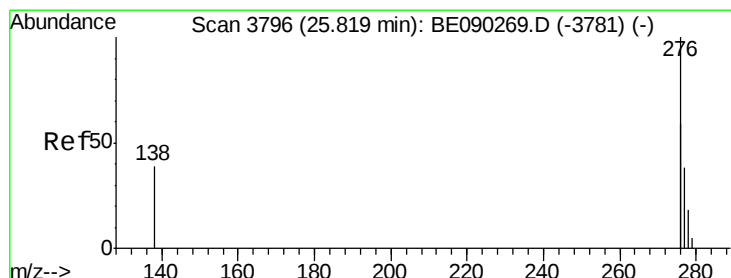
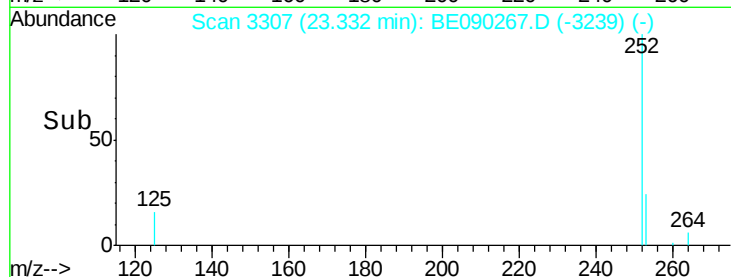
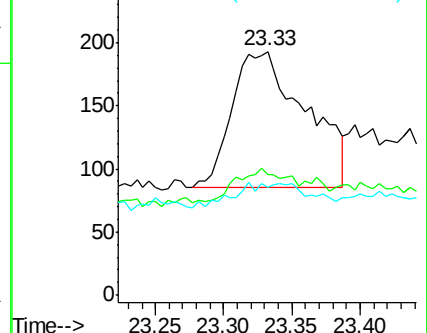
125 44.0 17.5 26.3#



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: 0.11 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090267.D

Acq: 28 Jul 2015 12:29

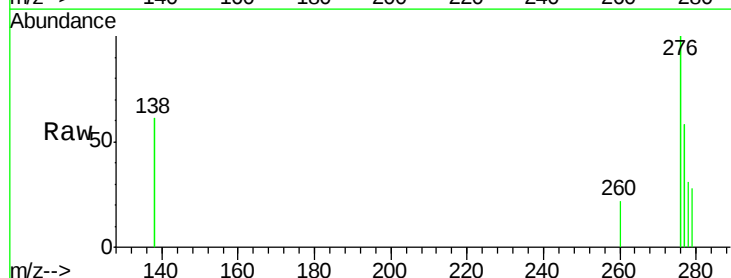
Tgt Ion: 276 Resp: 1621

Ion Ratio Lower Upper

276 100

138 7.6 13.5 20.3#

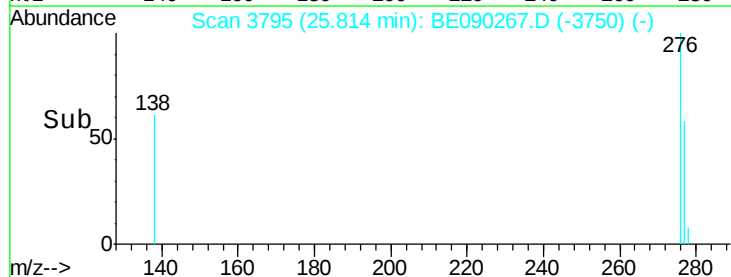
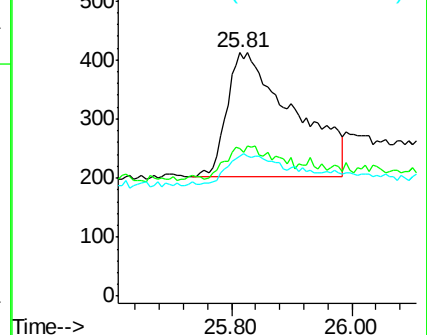
277 16.9 16.4 24.6

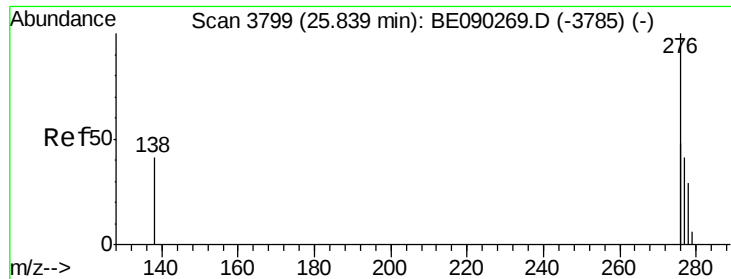


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

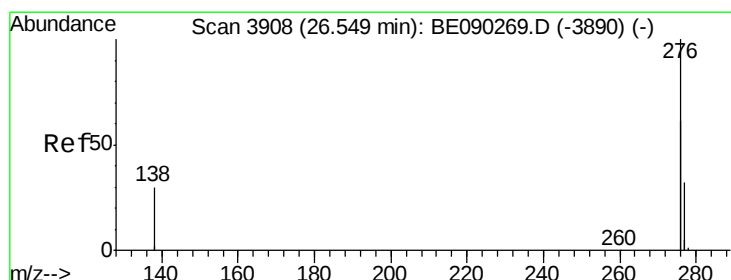
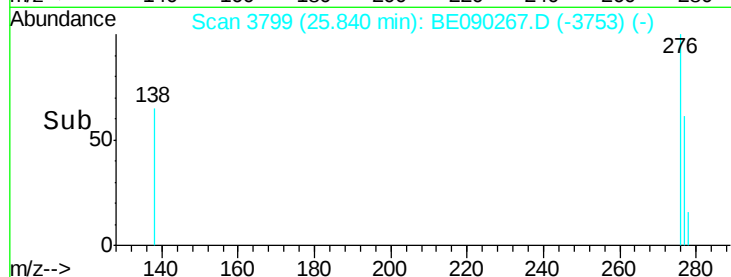
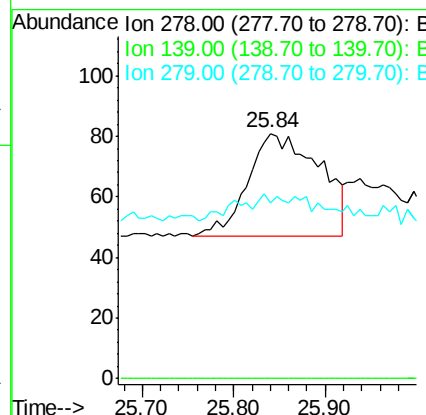
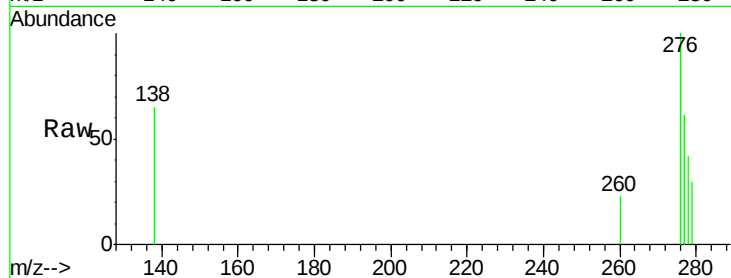




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BE090267.D
Acq: 28 Jul 2015 12:29

Instrument :
BNA_E
ClientSampleId :
SSTD0.142

Tgt Ion: 278 Resp: 185
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 71.6 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BE090267.D
Acq: 28 Jul 2015 12:29

Tgt Ion: 276 Resp: 2207
Ion Ratio Lower Upper
276 100
277 48.7 25.5 38.3#
138 48.7 23.9 35.9#

