

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120814\
 Data File : BE089175.D
 Acq On : 8 Dec 2014 15:23
 Operator : TP/JJ
 Sample : SSTD0.436
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.436

Quant Time: Dec 09 00:42:30 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE120514.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 09 00:37:23 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	2683	0.40	ng/ul	0.00
2) Naphthalene-d8	8.51	136	10562	0.40	ng/ul	0.00
6) Acenaphthene-d10	10.66	164	5279	0.40	ng/ul	0.00
10) Phenanthrene-d10	12.73	188	7755	0.40	ng/ul	0.00
16) Chrysene-d12	18.08	240	5328	0.40	ng/ul	0.00
20) Perylene-d12	21.13	264	4715	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	9.36	152	5170	0.42	ng/ul	0.00
14) Fluoranthene-d10	14.93	212	5665	0.41	ng/ul	0.00

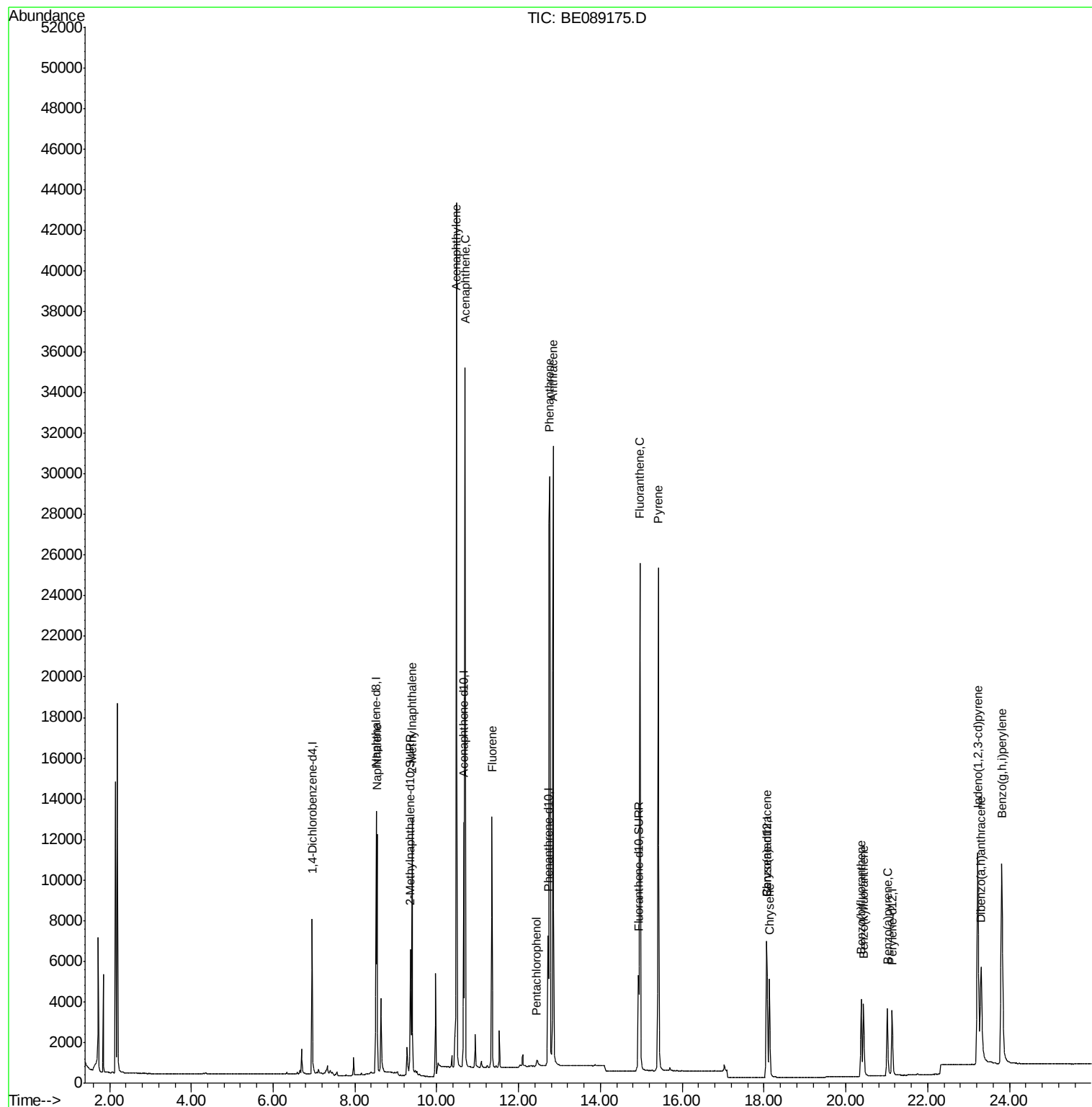
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	8.54	128	10468	0.41	ng/ul	98
5) 2-Methylnaphthalene	9.39	142	6739	0.43	ng/ul	100
7) Acenaphthylene	10.48	152	38006	0.41	ng/ul	99
8) Acenaphthene	10.69	153	23226	0.41	ng/ul	89
9) Fluorene	11.35	166	6413	0.42	ng/ul	96
11) Pentachlorophenol	12.45	266	440	0.32	ng/ul	99
12) Phenanthrene	12.76	178	36003	0.43	ng/ul	99
13) Anthracene	12.85	178	34696	0.42	ng/ul	99
15) Fluoranthene	14.97	202	31048	0.41	ng/ul	98
17) Pyrene	15.42	202	31658	0.43	ng/ul	99
18) Benzo(a)anthracene	18.06	228	5991	0.44	ng/ul	99
19) Chrysene	18.14	228	5847	0.41	ng/ul	97
21) Benzo(b)fluoranthene	20.38	252	5312	0.46	ng/ul	99
22) Benzo(k)fluoranthene	20.43	252	5578	0.41	ng/ul	100
23) Benzo(a)pyrene	21.02	252	5351	0.44	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	23.22	276	18128	0.46	ng/ul	100
25) Dibenzo(a,h)anthracene	23.32	278	4530	0.45	ng/ul	99
26) Benzo(g,h,i)perylene	23.81	276	20382	0.42	ng/ul	100

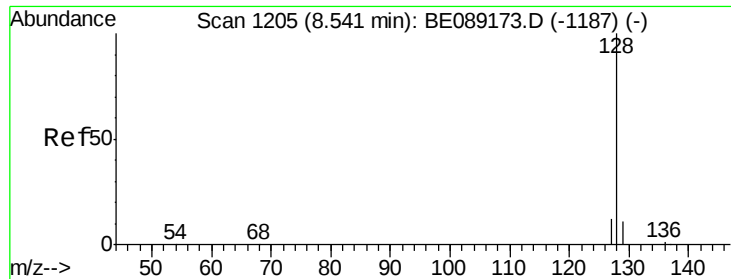
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 8.54 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

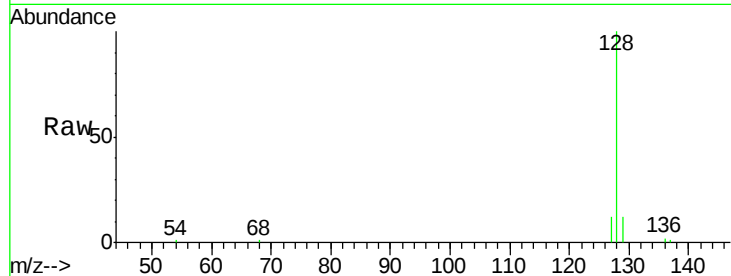
Tgt Ion:128 Resp: 10468

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

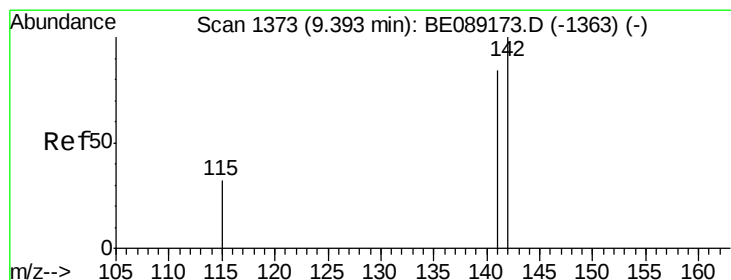
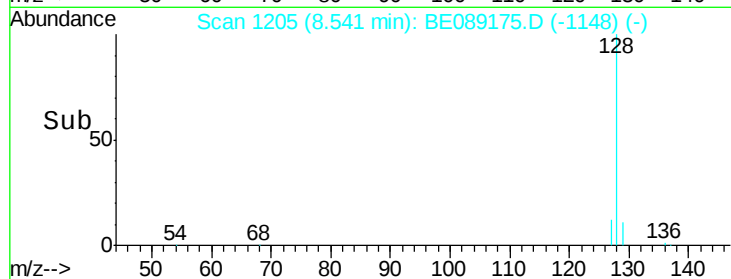
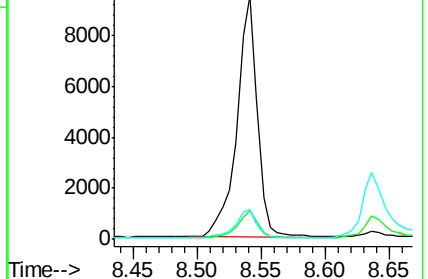
127 12.2 10.4 15.6



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: 0.43 ng/ul

RT: 9.39 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE089175.D

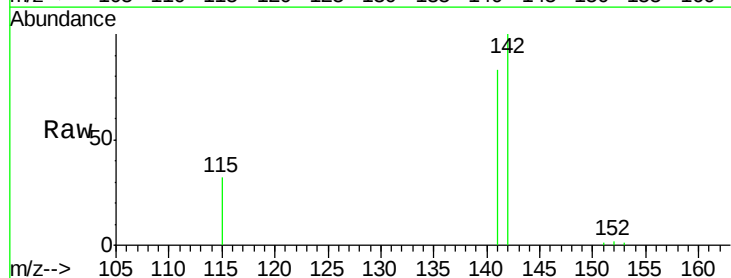
Acq: 8 Dec 2014 15:23

Tgt Ion:142 Resp: 6739

Ion Ratio Lower Upper

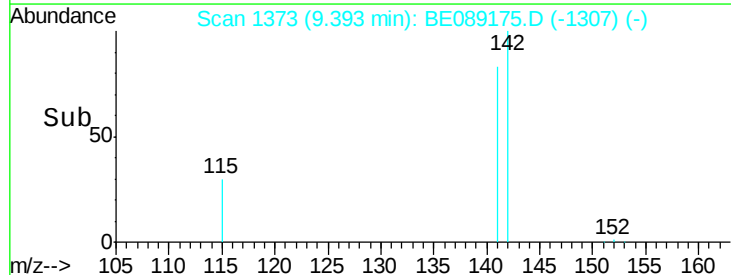
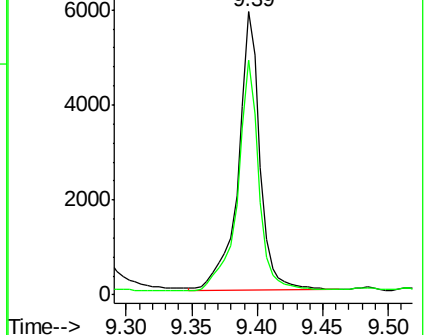
142 100

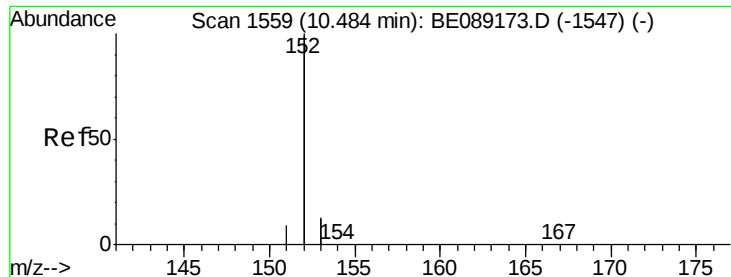
141 81.2 65.0 97.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

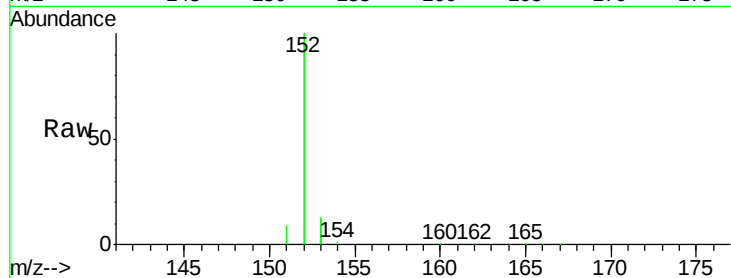
Tgt Ion:152 Resp: 38006

Ion Ratio Lower Upper

152 100

151 4.7 4.1 6.1

153 12.9 10.1 15.1

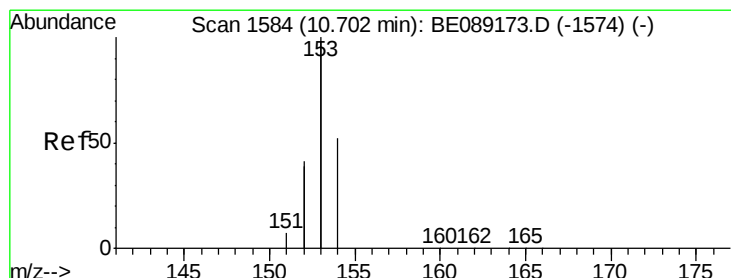
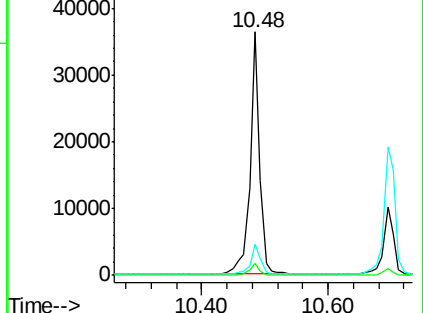
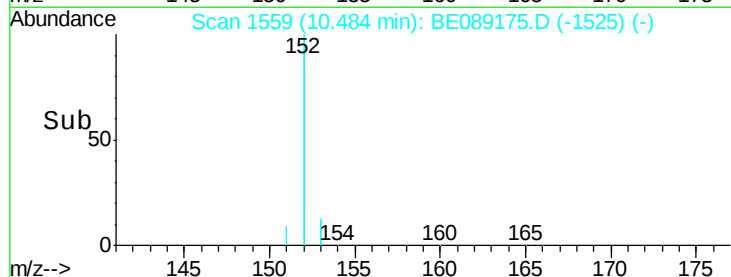


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

Time-->



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

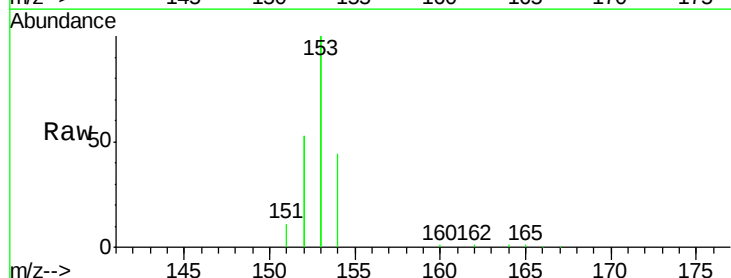
Tgt Ion:153 Resp: 23226

Ion Ratio Lower Upper

153 100

152 53.4 36.0 54.0

154 21.8 20.4 30.6

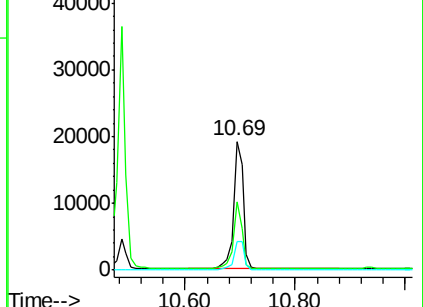
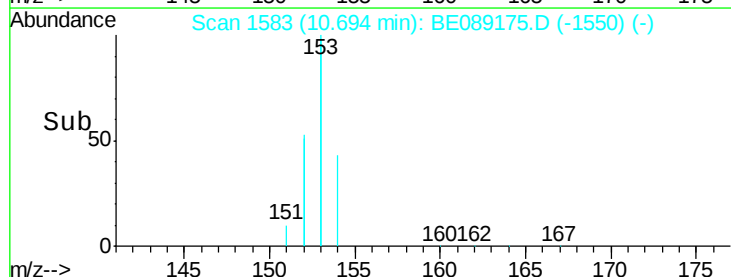


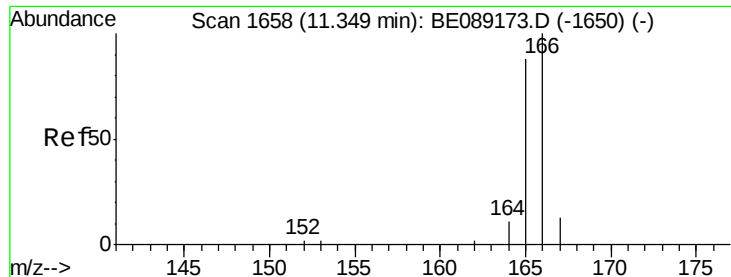
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

Time-->





#9

Fluorene

Concen: 0.42 ng/ul

RT: 11.35 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

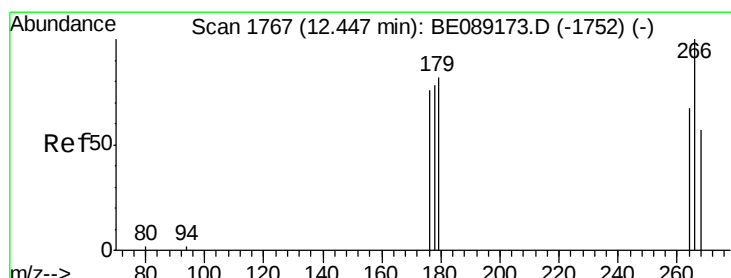
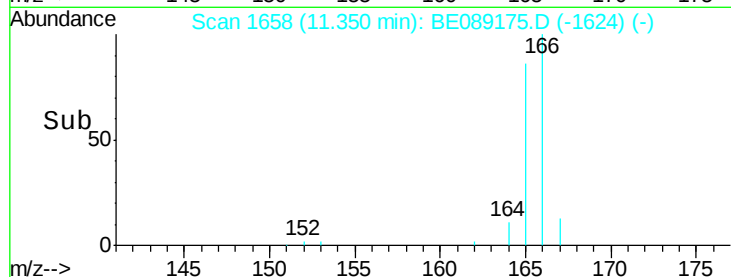
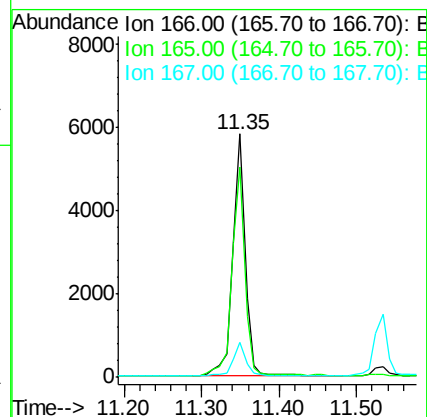
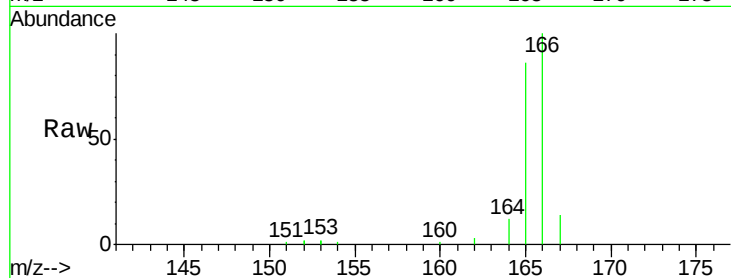
Tgt Ion:166 Resp: 6413

Ion Ratio Lower Upper

166 100

165 86.3 72.3 108.5

167 14.1 10.7 16.1



#11

Pentachlorophenol

Concen: 0.32 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

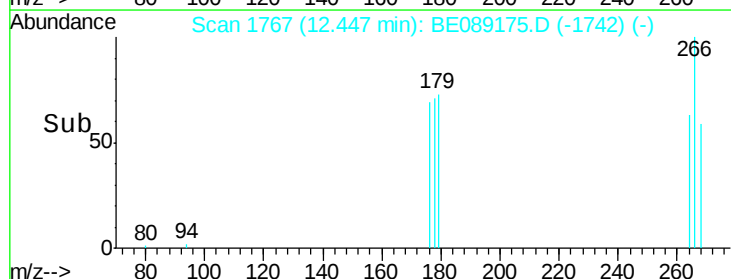
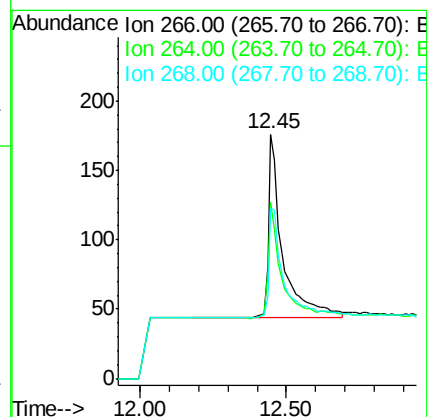
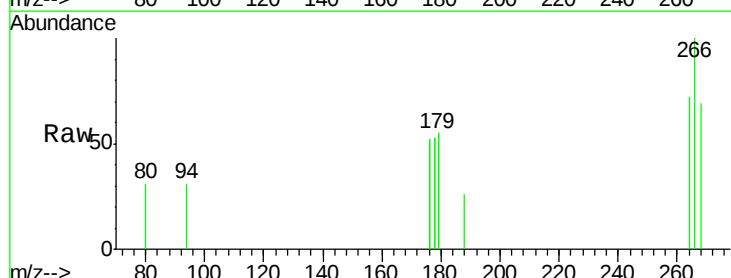
Tgt Ion:266 Resp: 440

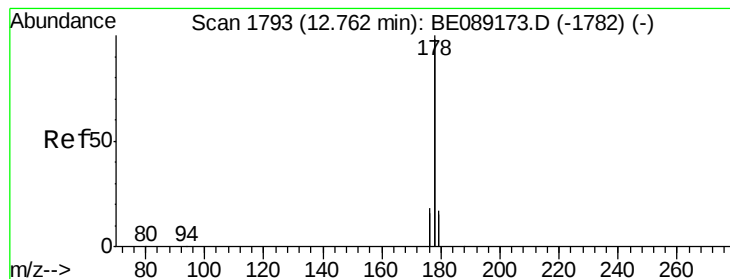
Ion Ratio Lower Upper

266 100

264 60.9 49.8 74.8

268 64.3 52.0 78.0





#12

Phenanthrene

Concen: 0.43 ng/ul

RT: 12.76 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

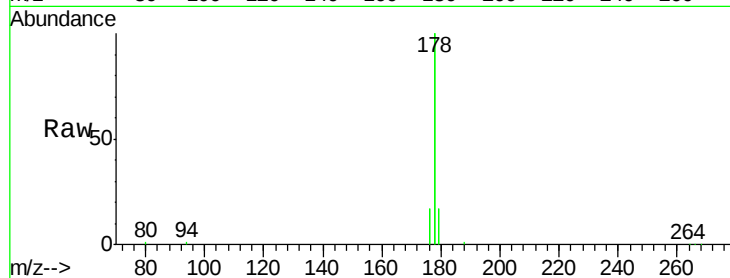
Tgt Ion:178 Resp: 36003

Ion Ratio Lower Upper

178 100

176 17.0 13.8 20.6

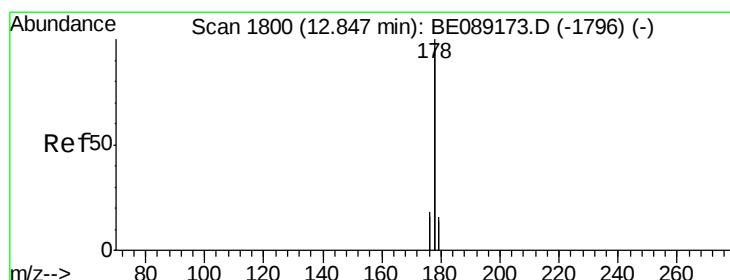
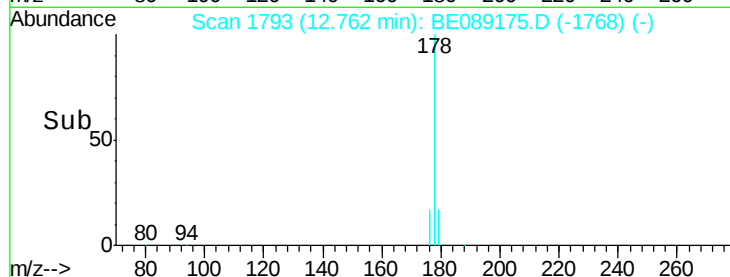
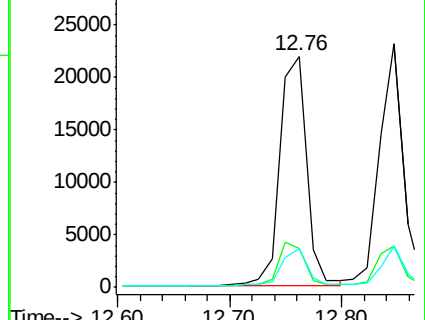
179 16.8 13.9 20.9



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



#13

Anthracene

Concen: 0.42 ng/ul

RT: 12.85 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

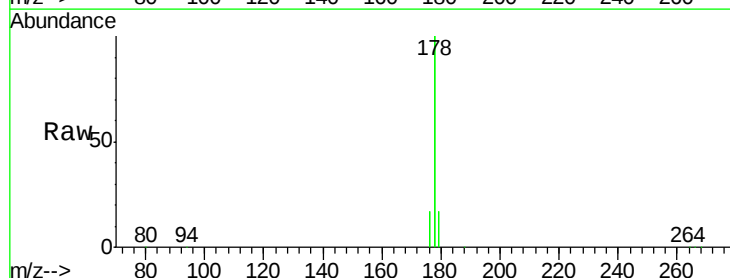
Tgt Ion:178 Resp: 34696

Ion Ratio Lower Upper

178 100

176 17.1 14.2 21.4

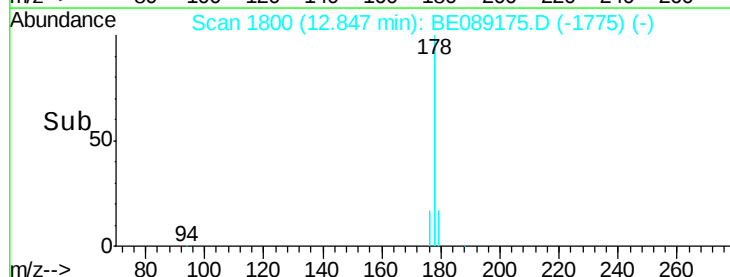
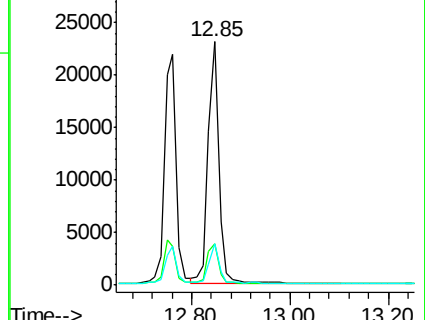
179 16.8 13.0 19.6

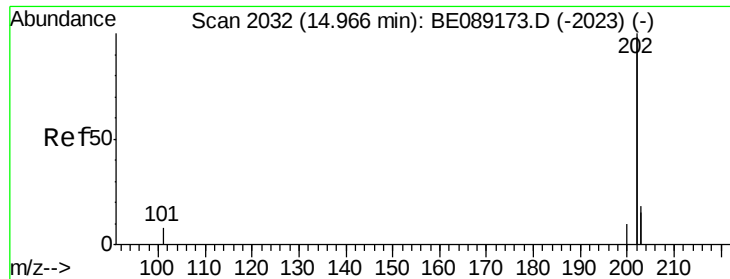


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 14.97 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

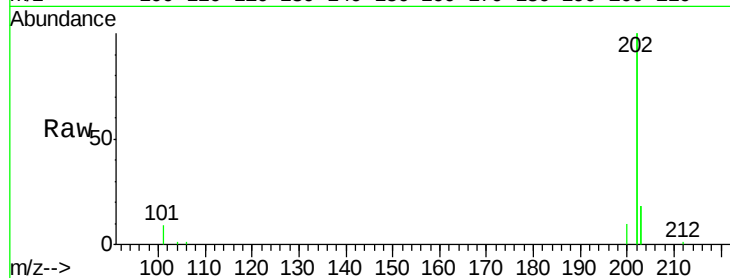
Tgt Ion:202 Resp: 31048

Ion Ratio Lower Upper

202 100

101 4.3 0.0 23.9

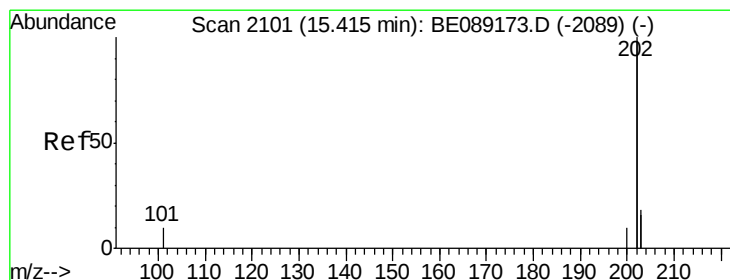
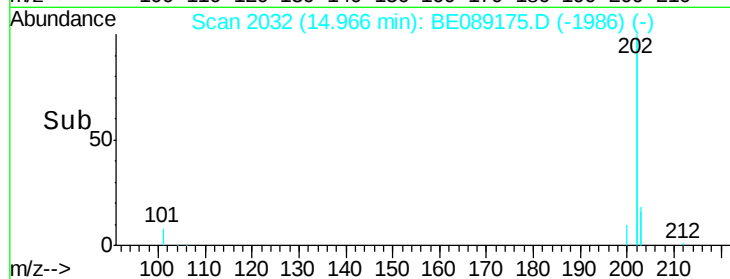
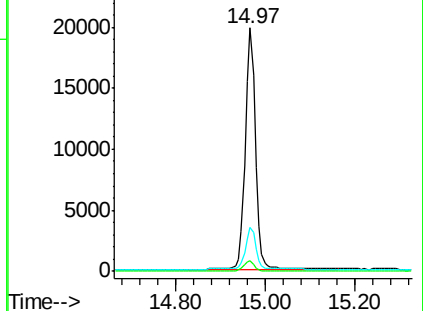
203 17.8 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.43 ng/ul

RT: 15.42 min Scan# 2101

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

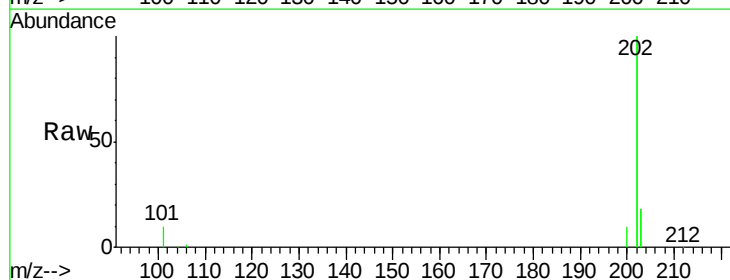
Tgt Ion:202 Resp: 31658

Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.2

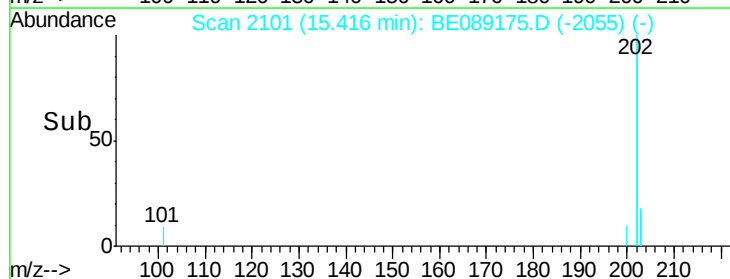
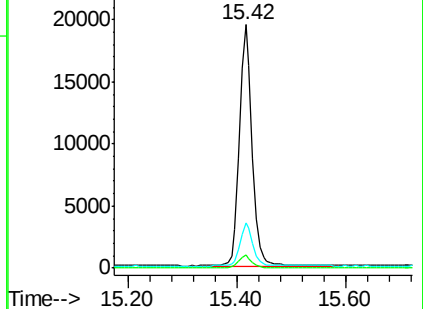
203 18.4 15.4 23.0

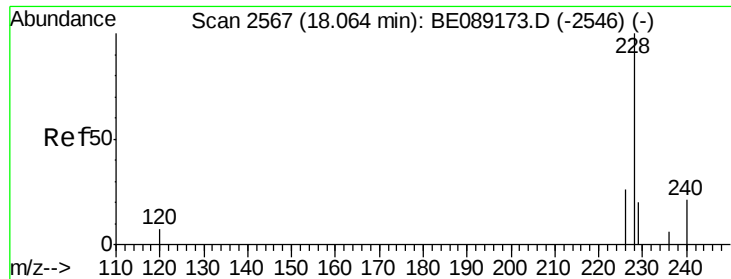


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 18.06 min Scan# 2566

Delta R.T. -0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

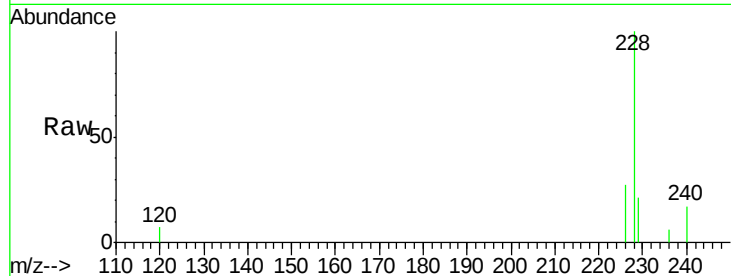
Tgt Ion:228 Resp: 5991

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.0

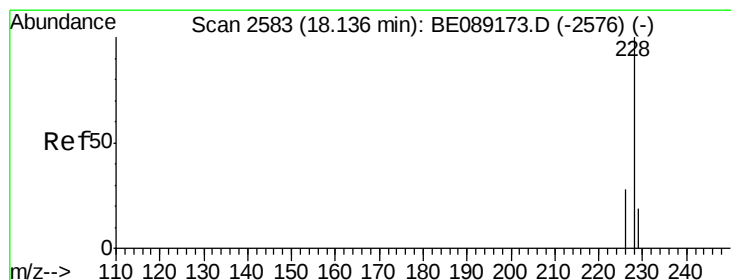
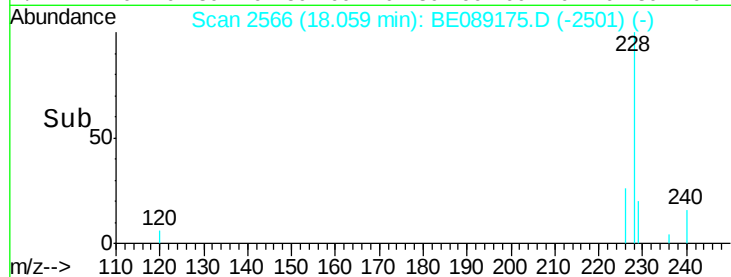
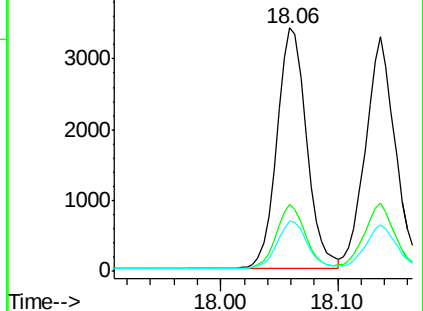
229 20.6 16.6 25.0



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: 0.41 ng/ul

RT: 18.14 min Scan# 2583

Delta R.T. 0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

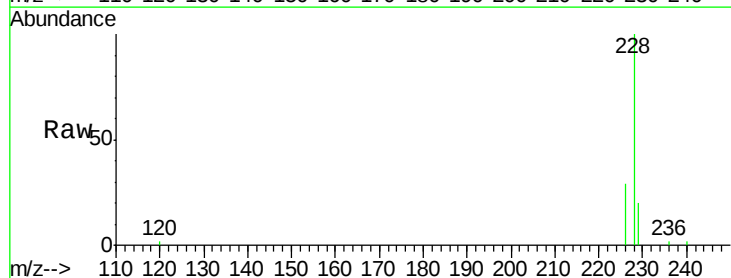
Tgt Ion:228 Resp: 5847

Ion Ratio Lower Upper

228 100

226 28.9 24.5 36.7

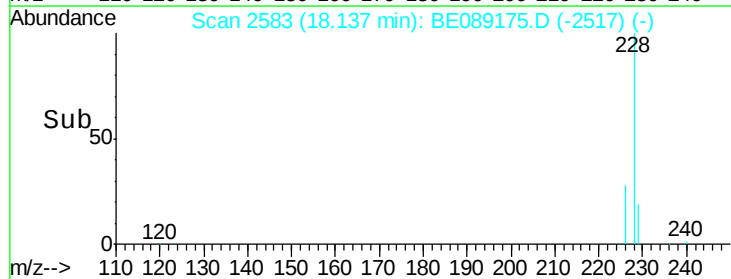
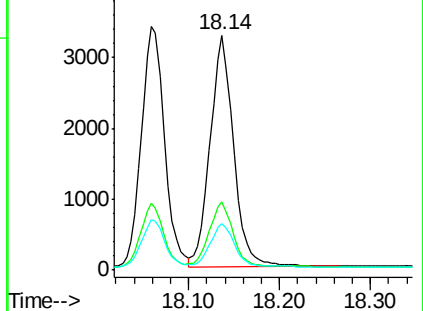
229 19.7 16.6 24.8

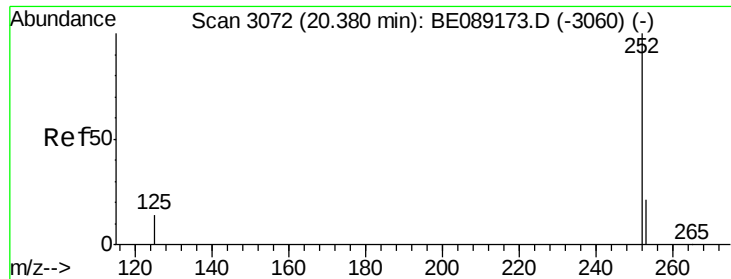


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

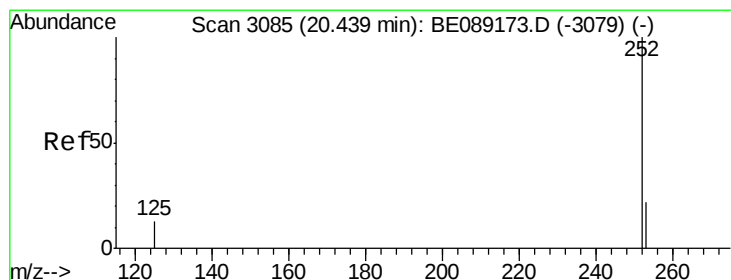
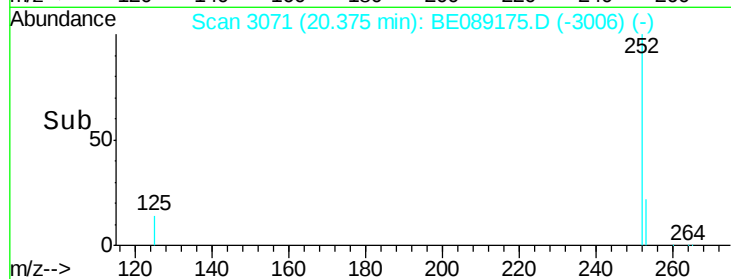
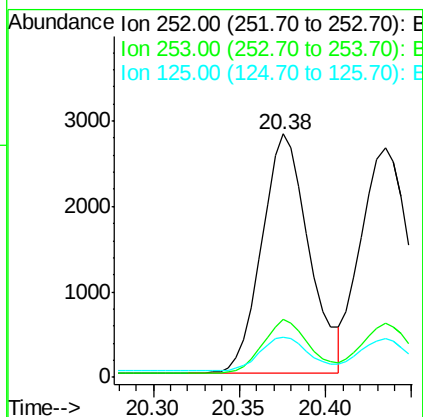
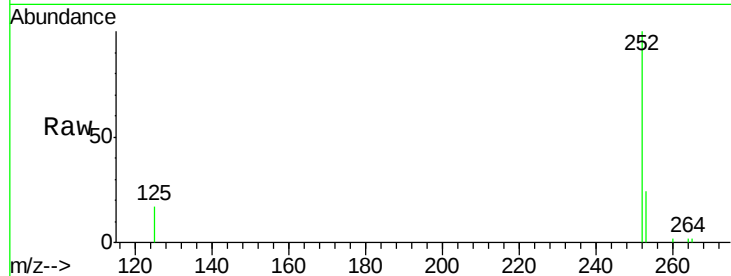




#21
Benzo(b)fluoranthene
Concen: 0.46 ng/u1
RT: 20.38 min Scan# 3071
Delta R.T. -0.00 min
Lab File: BE089175.D
Acq: 8 Dec 2014 15:23

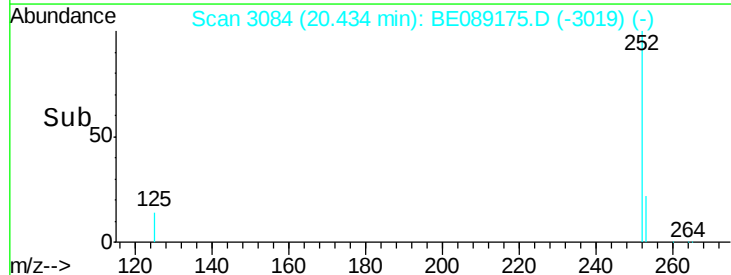
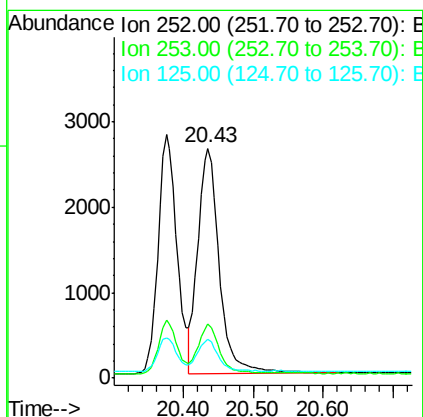
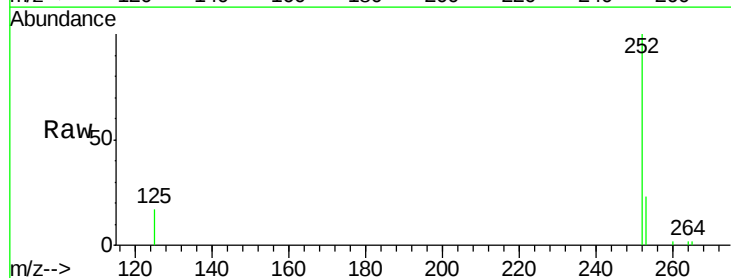
Instrument :
BNA_E
ClientSampleId :
SSTD0.436

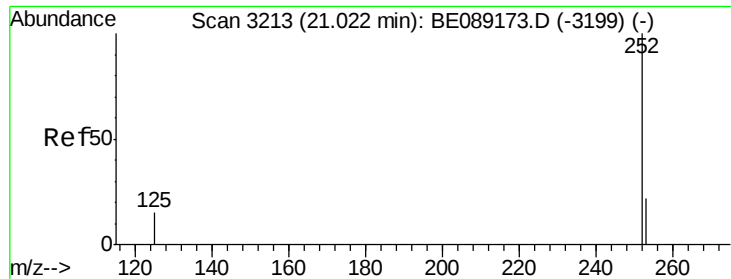
Tgt Ion:252 Resp: 5312
Ion Ratio Lower Upper
252 100
253 23.7 0.0 46.2
125 16.6 0.0 33.0



#22
Benzo(k)fluoranthene
Concen: 0.41 ng/u1
RT: 20.43 min Scan# 3084
Delta R.T. -0.00 min
Lab File: BE089175.D
Acq: 8 Dec 2014 15:23

Tgt Ion:252 Resp: 5578
Ion Ratio Lower Upper
252 100
253 23.4 18.7 28.1
125 16.8 13.1 19.7





#23

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 21.02 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

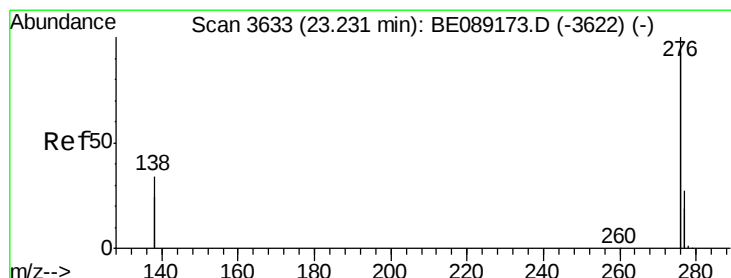
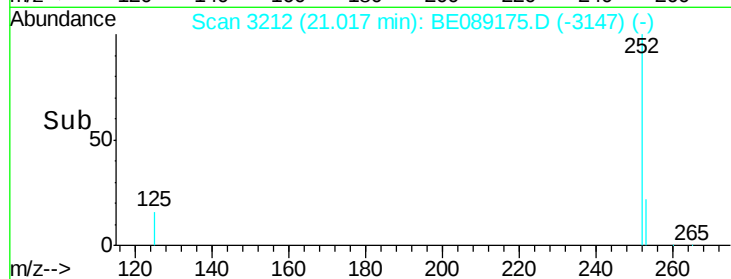
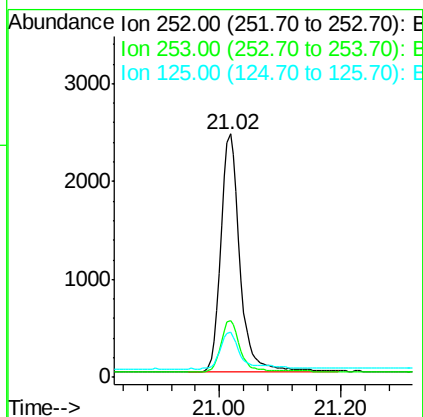
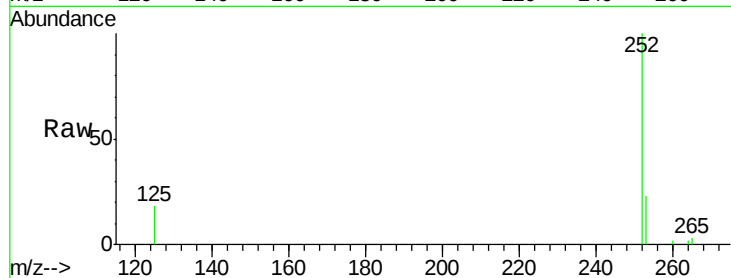
Instrument :

BNA_E

ClientSampleId :

SSTD0.436

Tgt Ion:	252	Resp:	5351
Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	18.4	14.7	22.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng/ul

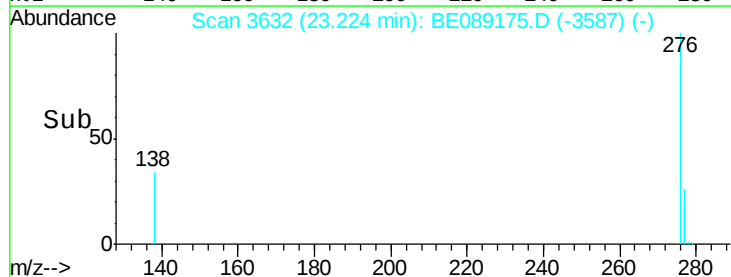
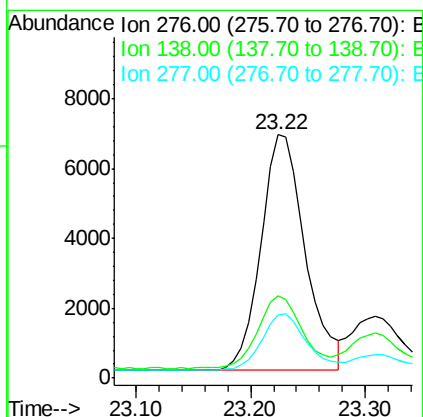
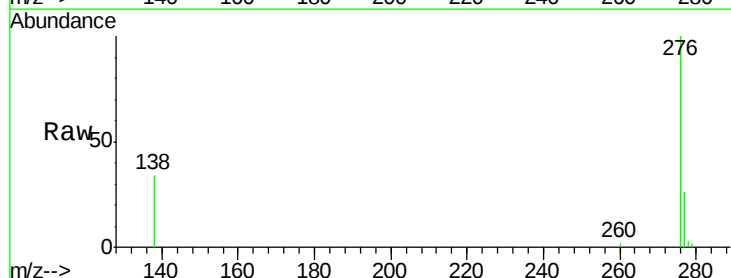
RT: 23.22 min Scan# 3632

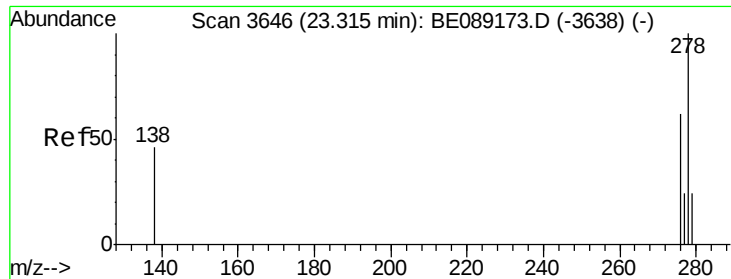
Delta R.T. -0.01 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Tgt Ion:	276	Resp:	18128
Ion	Ratio	Lower	Upper
276	100		
138	30.8	24.6	37.0
277	23.6	19.3	28.9





#25

Dibenzo(a,h)anthracene

Concen: 0.45 ng/ul

RT: 23.32 min Scan# 3646

Delta R.T. -0.00 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

Instrument :

BNA_E

ClientSampleId :

SSTD0.436

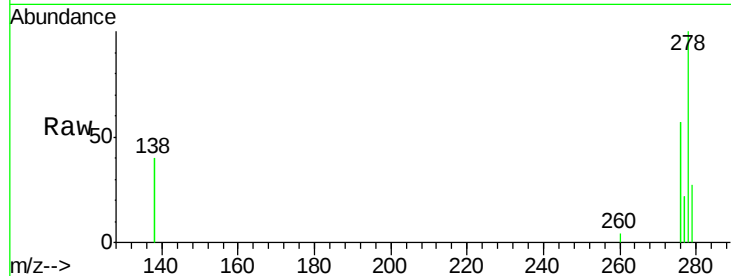
Tgt Ion:278 Resp: 4530

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

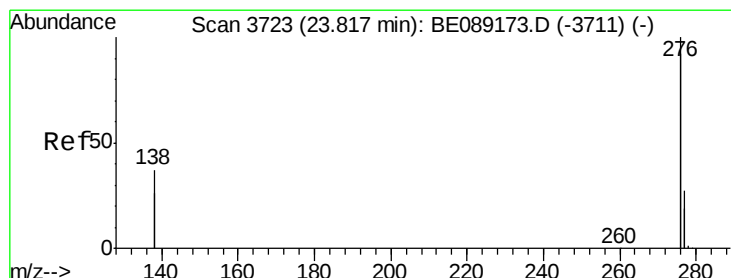
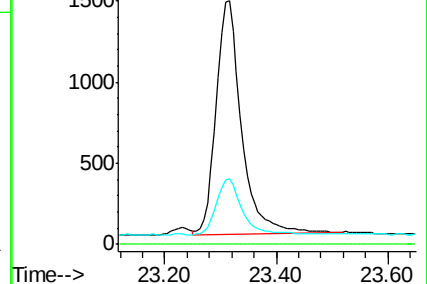
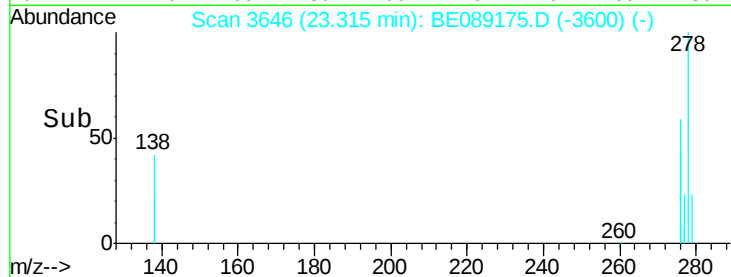
279 26.8 21.7 32.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.42 ng/ul

RT: 23.81 min Scan# 3722

Delta R.T. -0.01 min

Lab File: BE089175.D

Acq: 8 Dec 2014 15:23

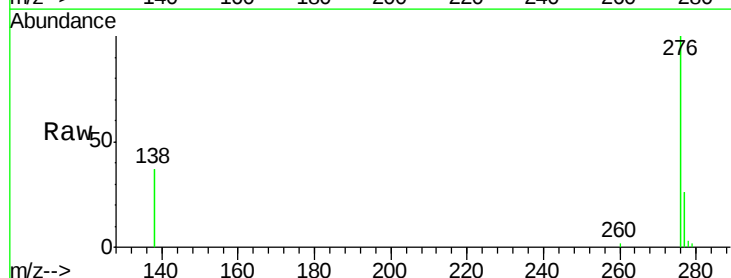
Tgt Ion:276 Resp: 20382

Ion Ratio Lower Upper

276 100

277 26.0 21.2 31.8

138 36.6 29.3 43.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

