

Data Path : Z:\HPCHEM1\BNA_E\Data\BE120814\
 Data File : BE089173.D
 Acq On : 8 Dec 2014 13:14
 Operator : TP/JJ
 Sample : SST0.435
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SST0.435

Quant Time: Dec 09 00:39:23 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 : Fri Dec 05 23:47:26 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	2418	0.40	ng/ul	-0.01
2) Naphthalene-d8	8.51	136	9700	0.40	ng/ul	-0.02
6) Acenaphthene-d10	10.66	164	4835	0.40	ng/ul	-0.02
10) Phenanthrene-d10	12.73	188	7345	0.40	ng/ul	-0.01
16) Chrysene-d12	18.08	240	5257	0.40	ng/ul	0.00
20) Perylene-d12	21.14	264	4660	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	9.36	152	4772	0.42	ng/ul	-0.01
14) Fluoranthene-d10	14.93	212	5445	0.42	ng/ul	0.00

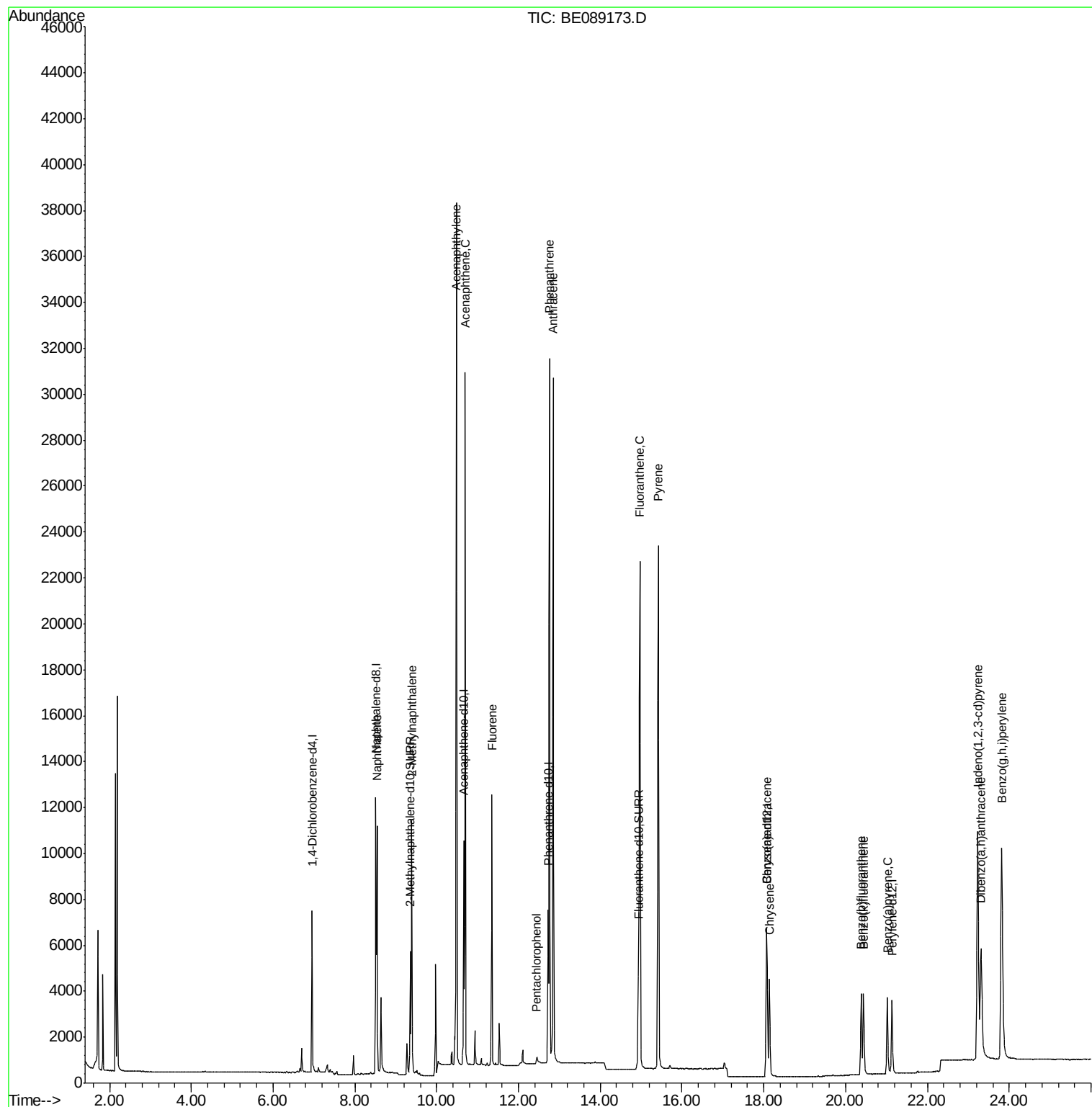
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	8.54	128	9766	0.42	ng/ul	99
5) 2-Methylnaphthalene	9.39	142	6216	0.43	ng/ul	100
7) Acenaphthylene	10.48	152	35339	0.42	ng/ul	99
8) Acenaphthene	10.70	153	21517	0.42	ng/ul	96
9) Fluorene	11.35	166	5965	0.42	ng/ul	98
11) Pentachlorophenol	12.45	266	431	0.33	ng/ul	97
12) Phenanthrene	12.76	178	32817	0.41	ng/ul	98
13) Anthracene	12.85	178	32610	0.42	ng/ul	100
15) Fluoranthene	14.97	202	29473	0.41	ng/ul	98
17) Pyrene	15.42	202	30498	0.42	ng/ul	98
18) Benzo(a)anthracene	18.06	228	5961	0.44	ng/ul	100
19) Chrysene	18.14	228	5733	0.41	ng/ul	99
21) Benzo(b)fluoranthene	20.38	252	5285	0.46	ng/ul	99
22) Benzo(k)fluoranthene	20.44	252	5453	0.40	ng/ul	99
23) Benzo(a)pyrene	21.02	252	5262	0.43	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	23.23	276	17927	0.46	ng/ul	99
25) Dibenzo(a,h)anthracene	23.32	278	4496	0.45	ng/ul	100
26) Benzo(g,h,i)perylene	23.82	276	19770	0.41	ng/ul	99

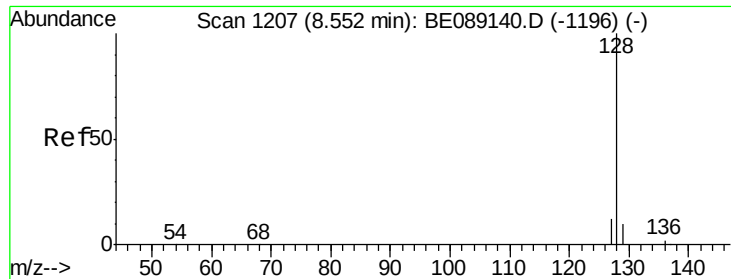
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.42 ng/ul

RT: 8.54 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

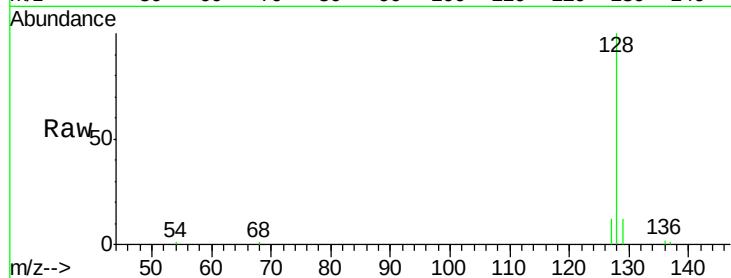
Tgt Ion:128 Resp: 9766

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

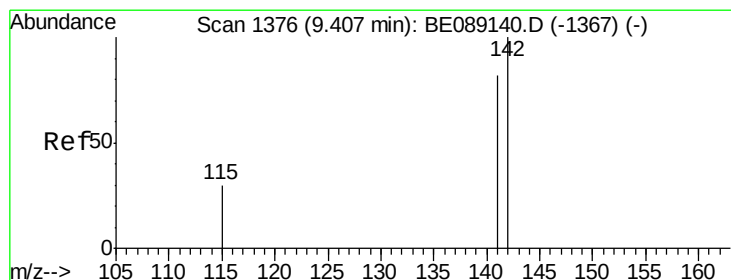
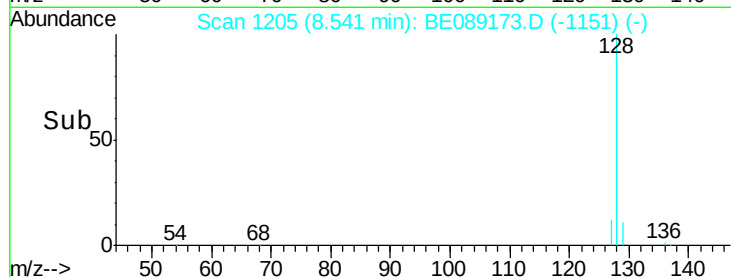
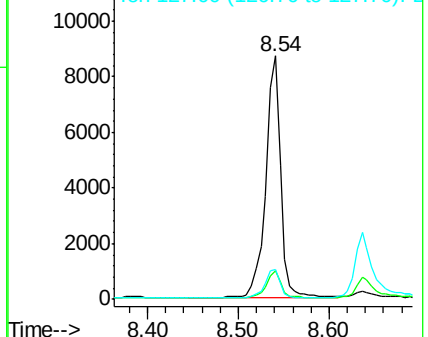
127 12.2 10.4 15.6



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. -0.01 min

Lab File: BE089173.D

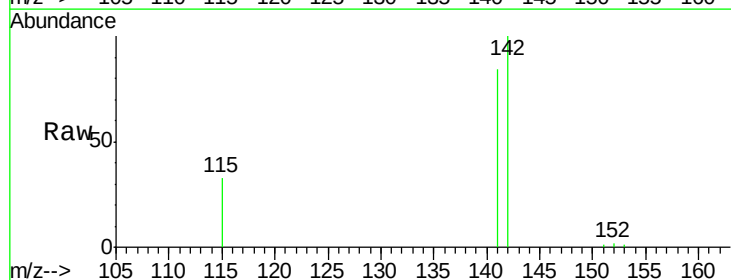
Acq: 8 Dec 2014 13:14

Tgt Ion:142 Resp: 6216

Ion Ratio Lower Upper

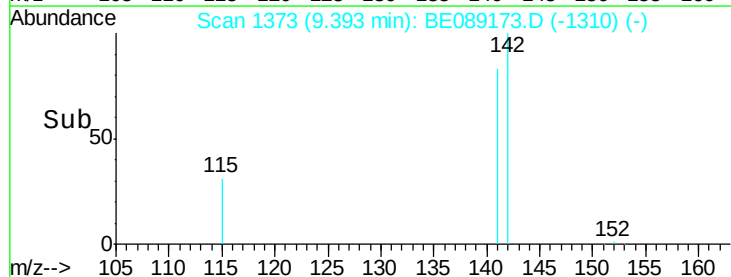
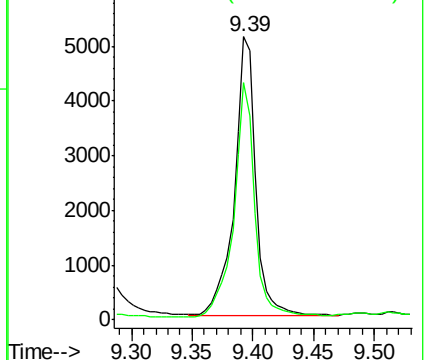
142 100

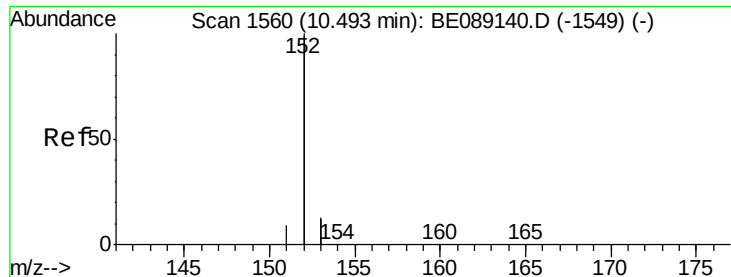
141 81.4 65.0 97.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.42 ng/ul

RT: 10.48 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

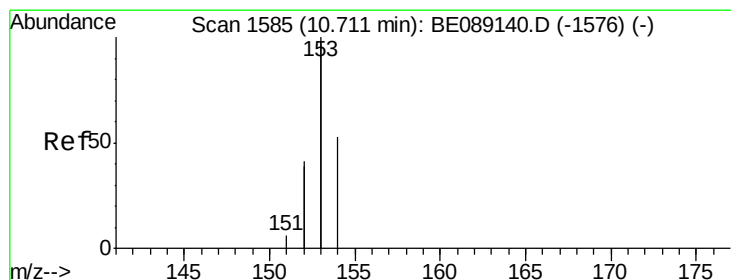
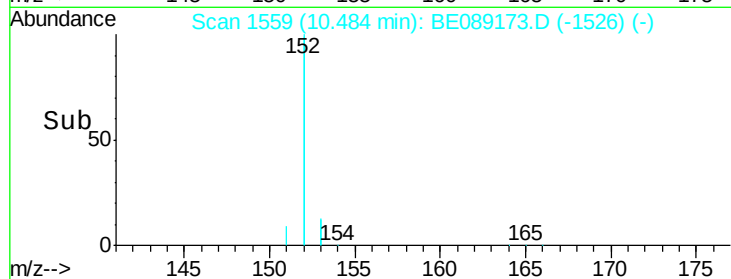
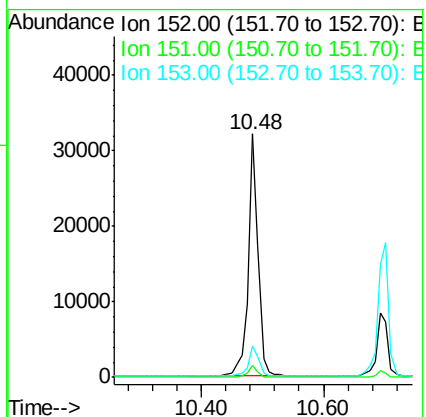
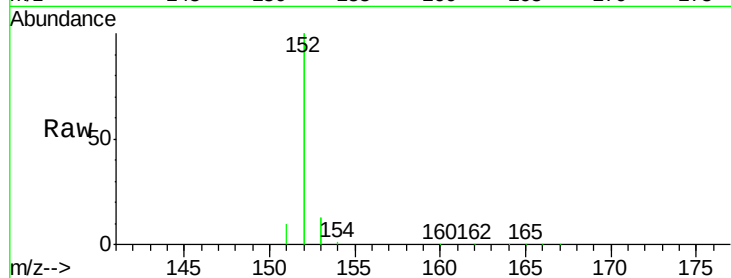
Tgt Ion:152 Resp: 35339

Ion Ratio Lower Upper

152 100

151 4.9 4.1 6.1

153 12.8 10.1 15.1



#8

Acenaphthene

Concen: 0.42 ng/ul

RT: 10.70 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

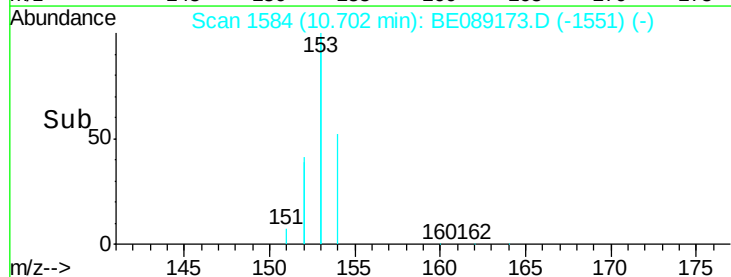
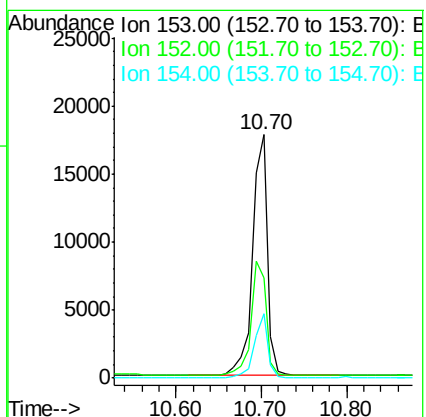
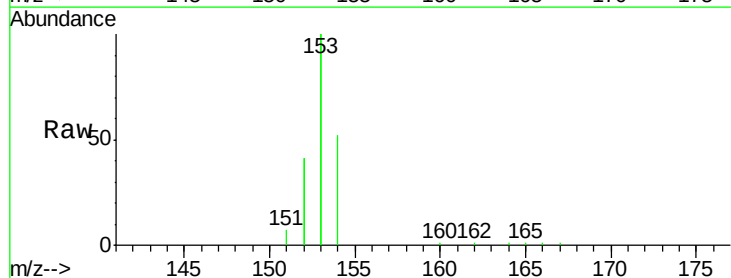
Tgt Ion:153 Resp: 21517

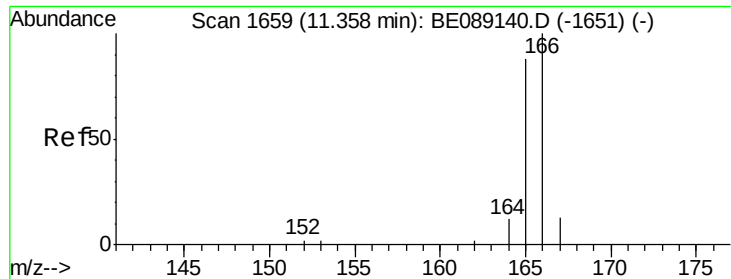
Ion Ratio Lower Upper

153 100

152 41.3 36.0 54.0

154 26.2 20.4 30.6





#9

Fluorene

Concen: 0.42 ng/ul

RT: 11.35 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

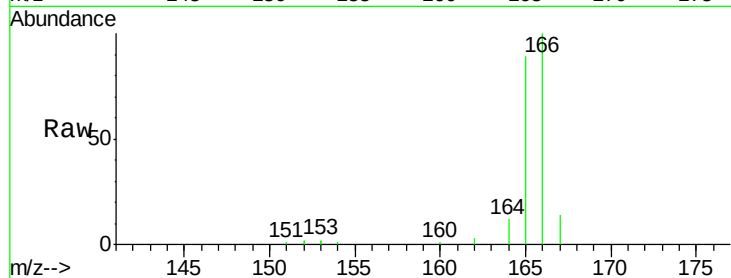
Tgt Ion:166 Resp: 5965

Ion Ratio Lower Upper

166 100

165 88.6 72.3 108.5

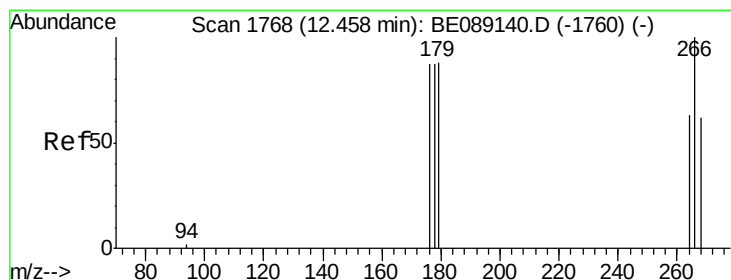
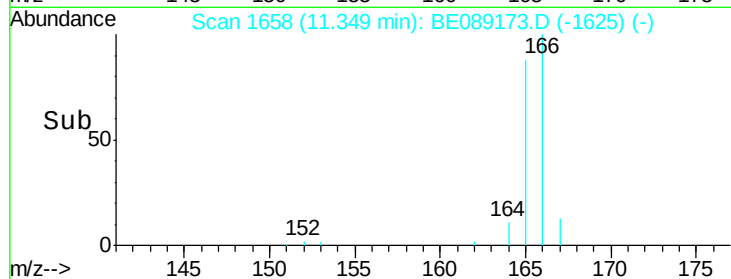
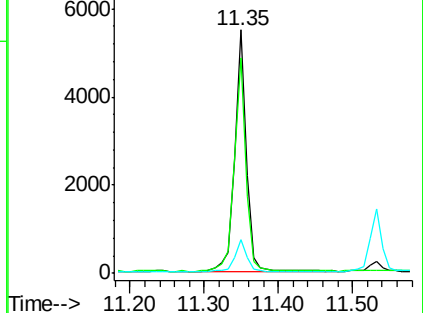
167 14.1 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.33 ng/ul

RT: 12.45 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

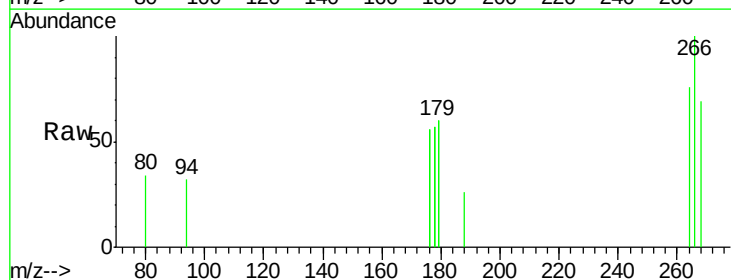
Tgt Ion:266 Resp: 431

Ion Ratio Lower Upper

266 100

264 58.0 49.8 74.8

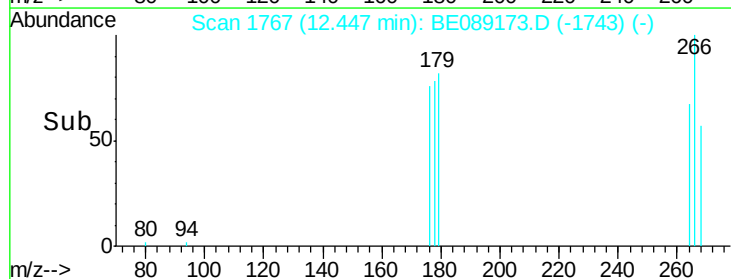
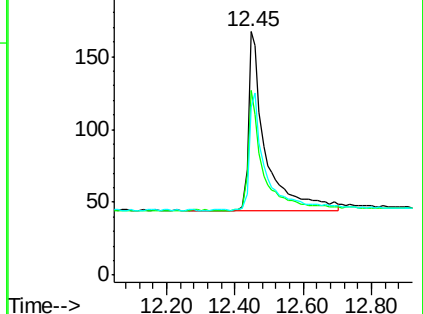
268 65.0 52.0 78.0

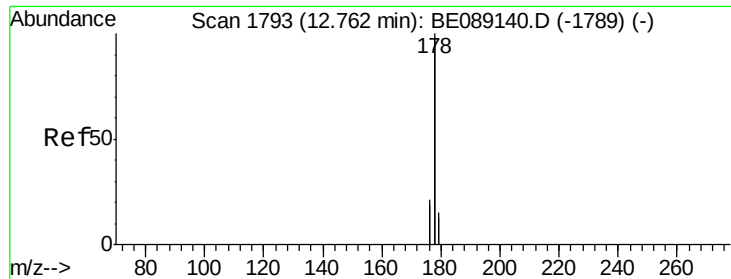


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 12.76 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

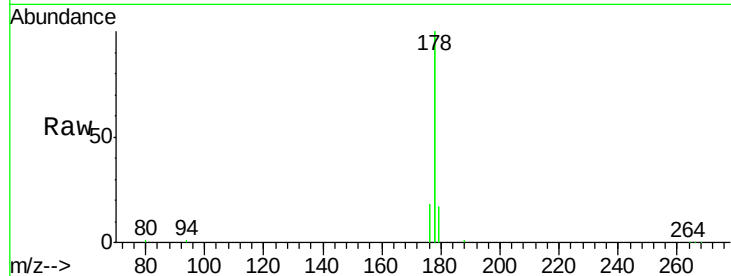
Tgt Ion:178 Resp: 32817

Ion Ratio Lower Upper

178 100

176 18.0 13.8 20.6

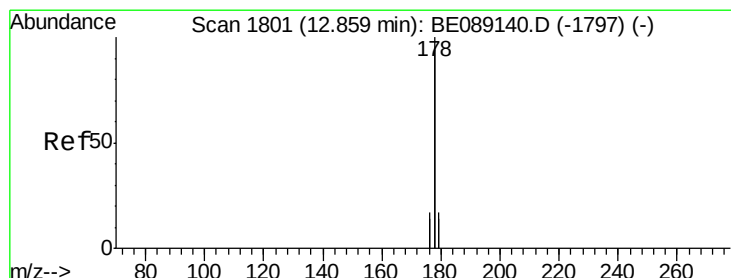
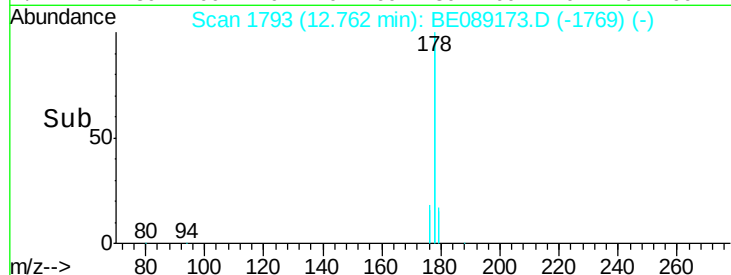
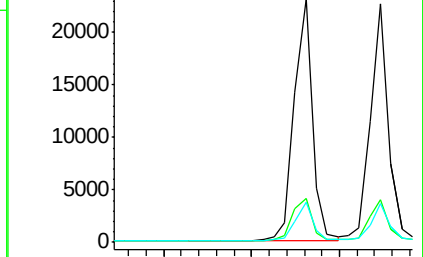
179 16.5 13.9 20.9



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. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

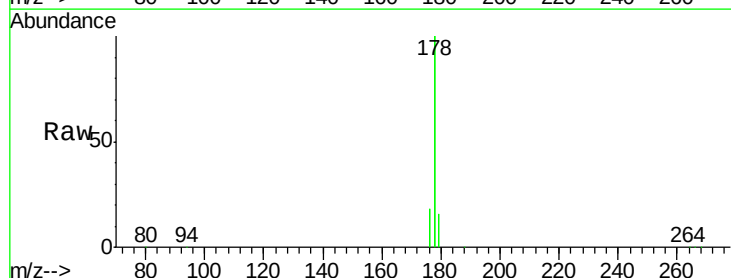
Tgt Ion:178 Resp: 32610

Ion Ratio Lower Upper

178 100

176 17.9 14.2 21.4

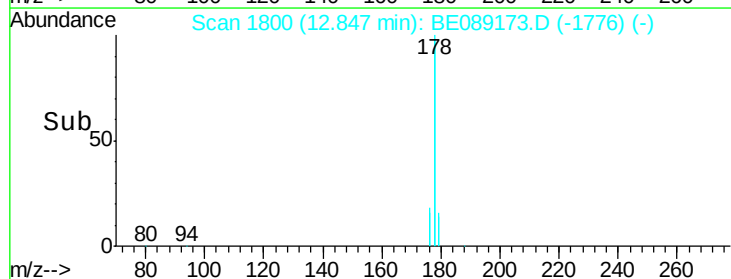
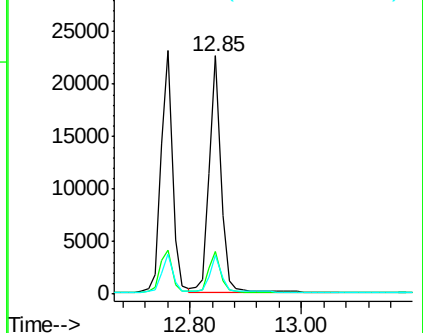
179 16.1 13.0 19.6

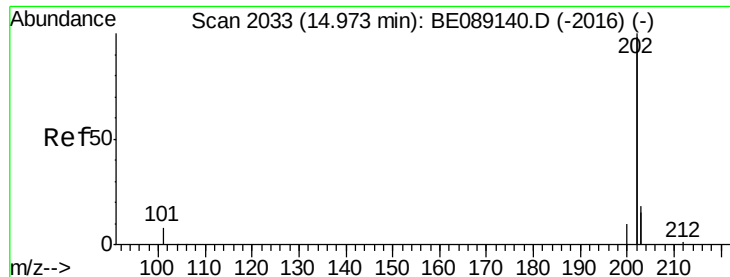


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

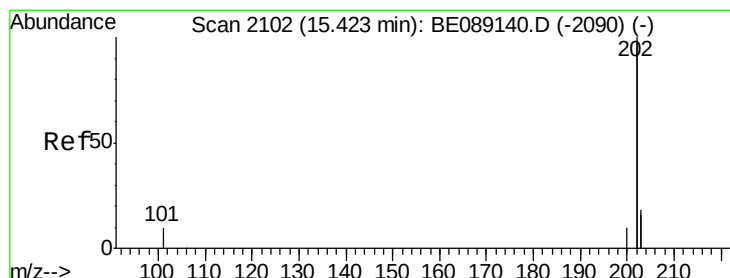
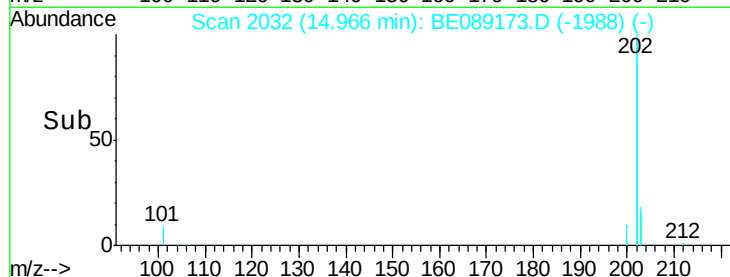
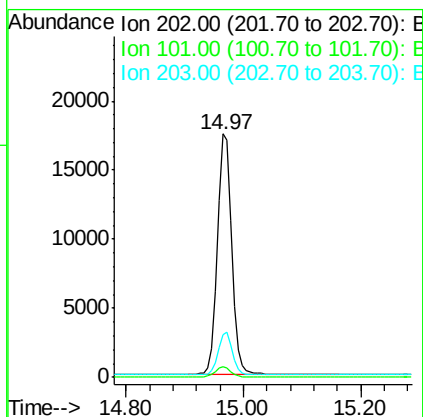
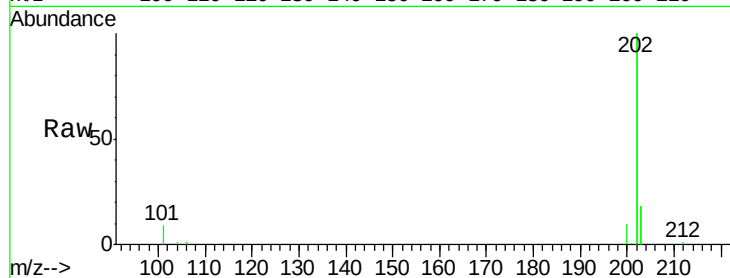




#15
Fluoranthene
Concen: 0.41 ng/ul
RT: 14.97 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BE089173.D
Acq: 8 Dec 2014 13:14

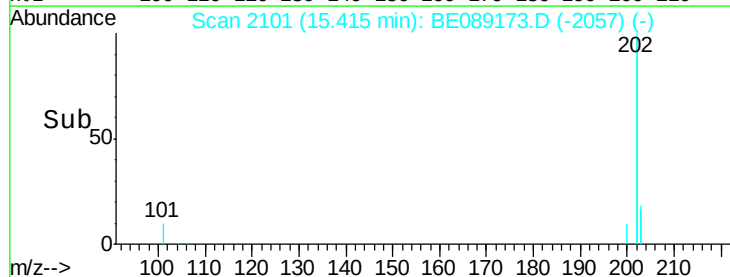
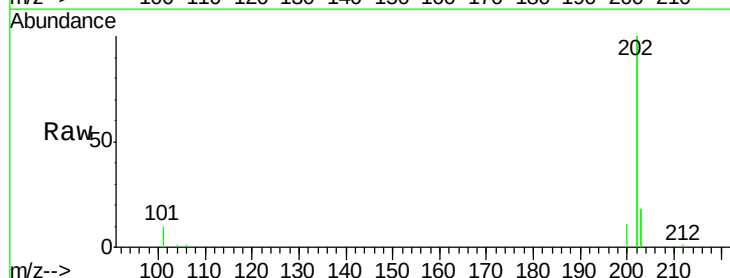
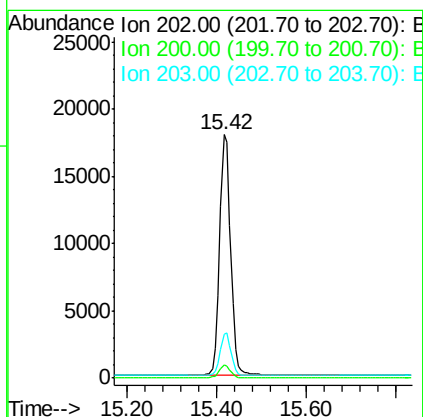
Instrument :
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ClientSampleId :
SSTD0.435

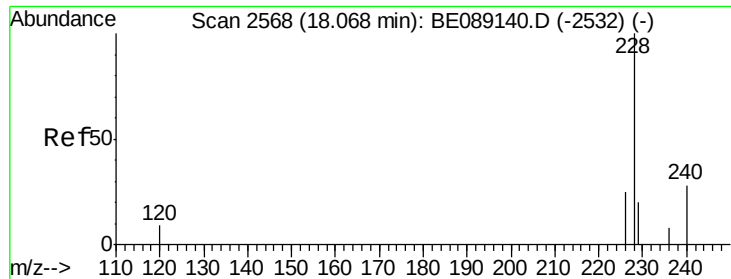
Tgt Ion:202 Resp: 29473
Ion Ratio Lower Upper
202 100
101 4.5 0.0 23.9
203 17.8 0.0 38.9



#17
Pyrene
Concen: 0.42 ng/ul
RT: 15.42 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE089173.D
Acq: 8 Dec 2014 13:14

Tgt Ion:202 Resp: 30498
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.2
203 18.0 15.4 23.0





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 18.06 min Scan# 2567

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

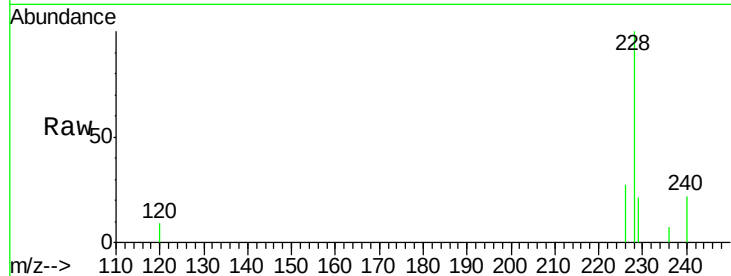
Tgt Ion:228 Resp: 5961

Ion Ratio Lower Upper

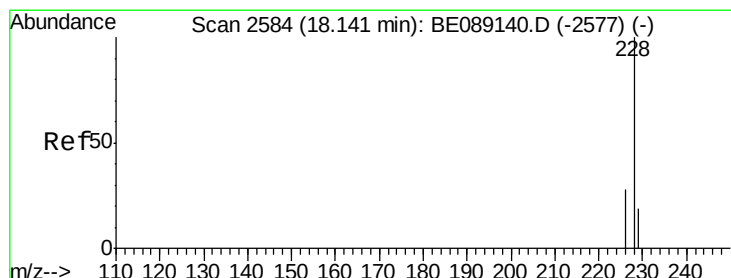
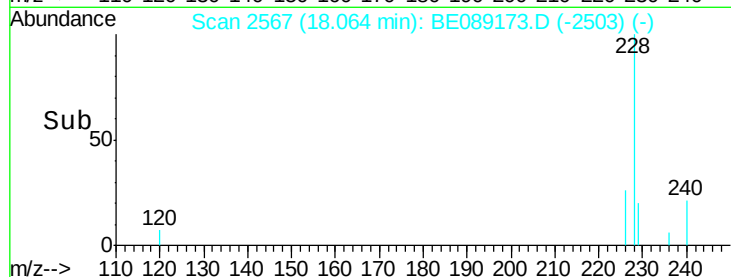
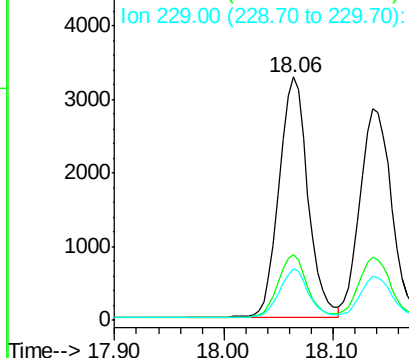
228 100

226 26.8 21.4 32.0

229 20.9 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. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

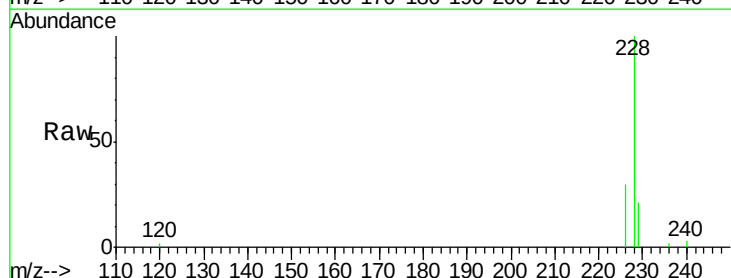
Tgt Ion:228 Resp: 5733

Ion Ratio Lower Upper

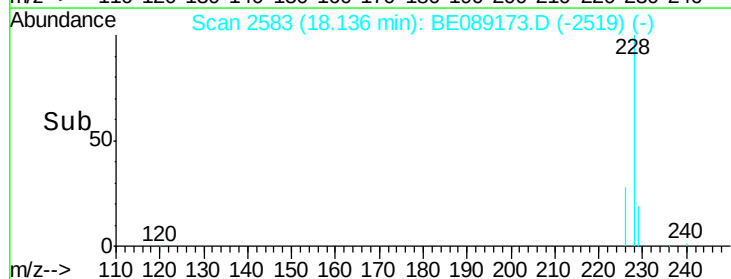
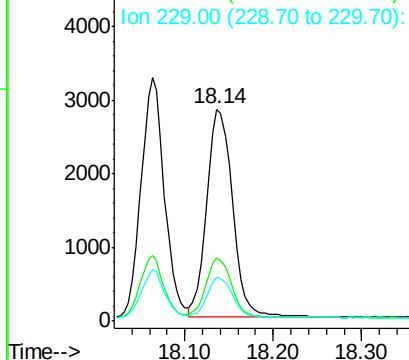
228 100

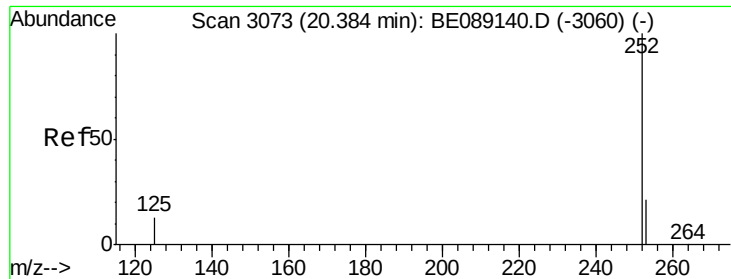
226 29.5 24.5 36.7

229 20.6 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/ul

RT: 20.38 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

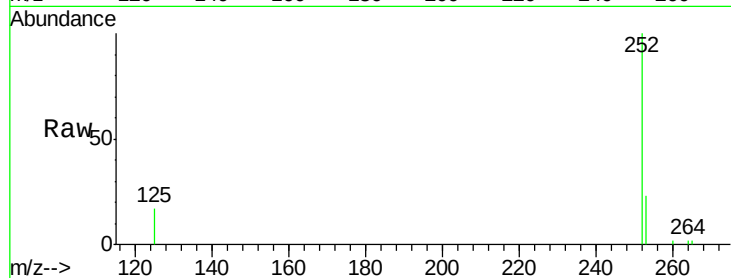
Tgt Ion:252 Resp: 5285

Ion Ratio Lower Upper

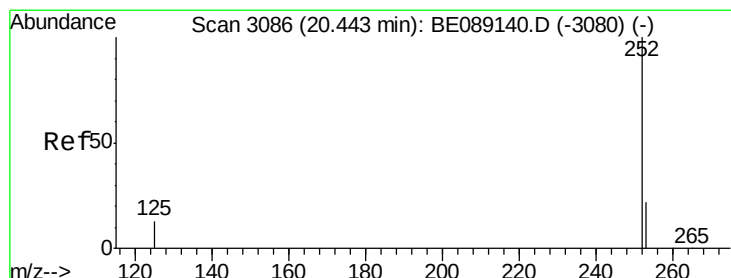
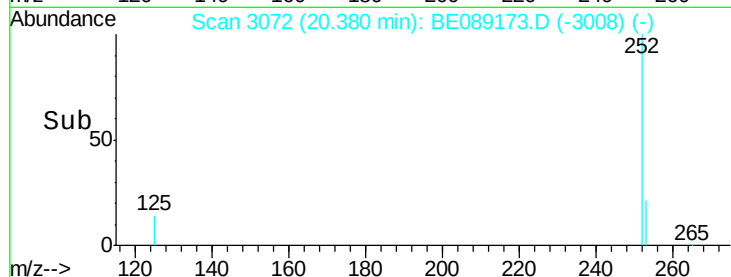
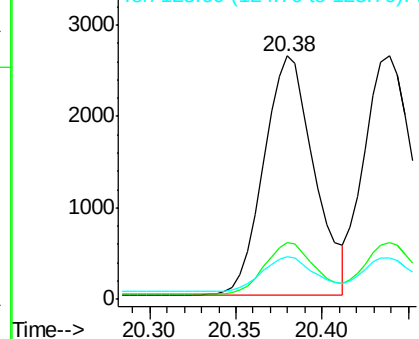
252 100

253 23.1 0.0 46.2

125 17.3 0.0 33.0



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



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 20.44 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

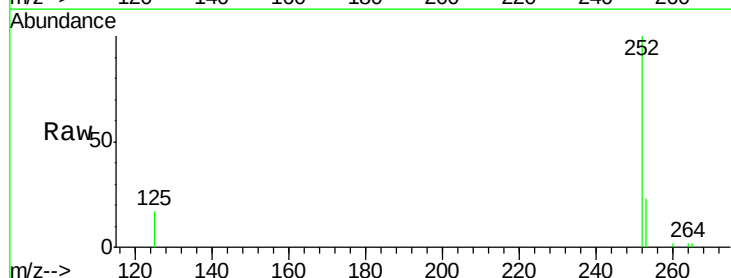
Tgt Ion:252 Resp: 5453

Ion Ratio Lower Upper

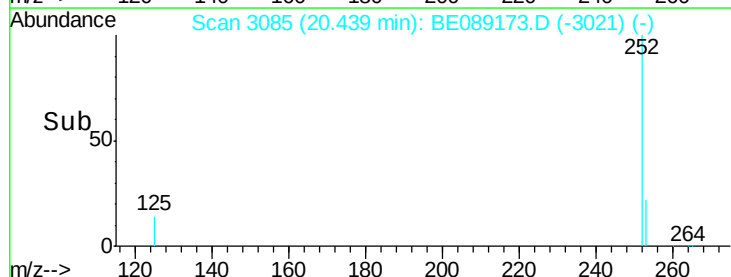
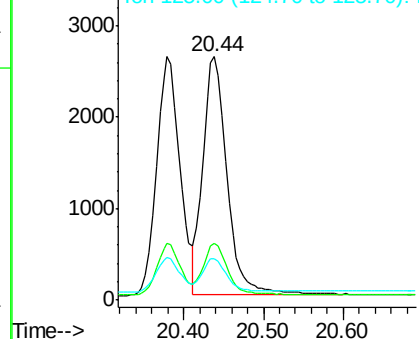
252 100

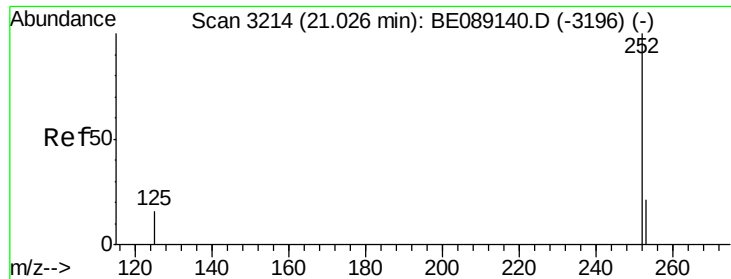
253 23.5 18.7 28.1

125 17.1 13.1 19.7



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: 0.43 ng/ul

RT: 21.02 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

Instrument :

BNA_E

ClientSampleId :

SSTD0.435

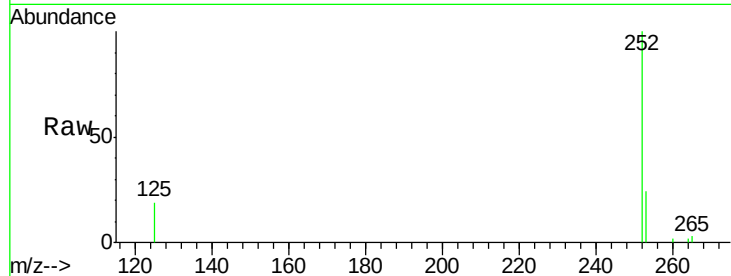
Tgt Ion:252 Resp: 5262

Ion Ratio Lower Upper

252 100

253 24.2 19.0 28.6

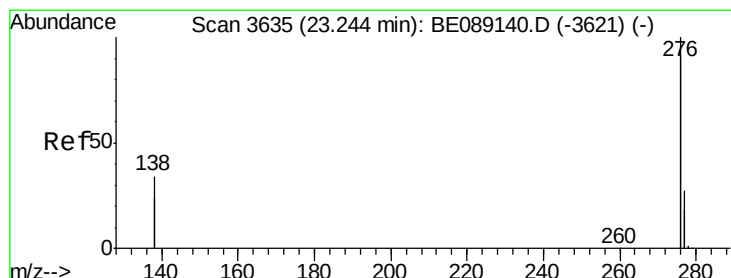
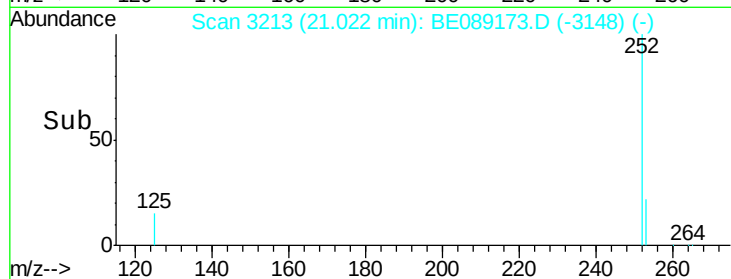
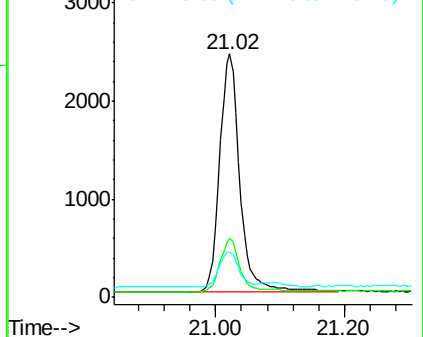
125 18.8 14.7 22.1



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: 0.46 ng/ul

RT: 23.23 min Scan# 3633

Delta R.T. -0.01 min

Lab File: BE089173.D

Acq: 8 Dec 2014 13:14

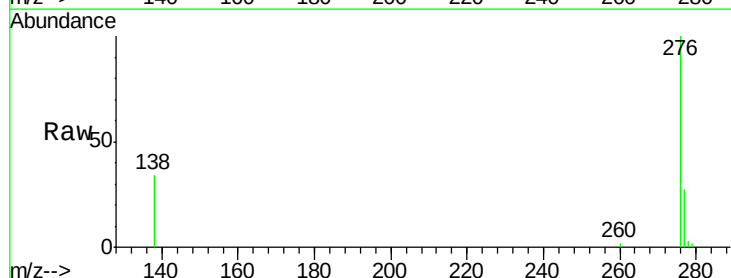
Tgt Ion:276 Resp: 17927

Ion Ratio Lower Upper

276 100

138 30.9 24.6 37.0

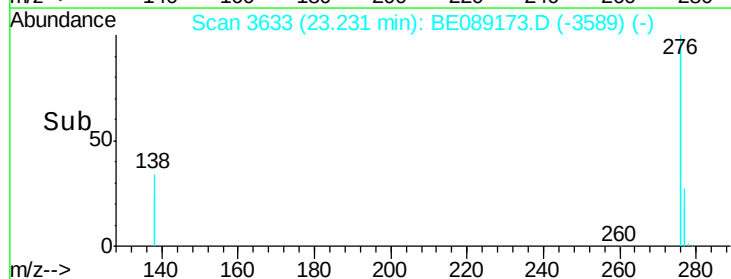
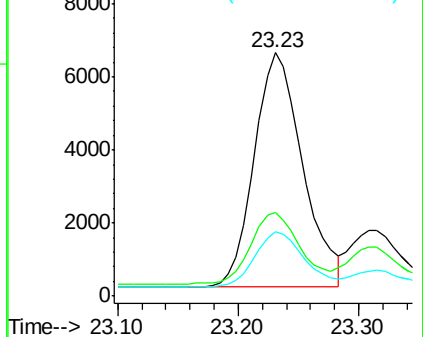
277 23.4 19.3 28.9

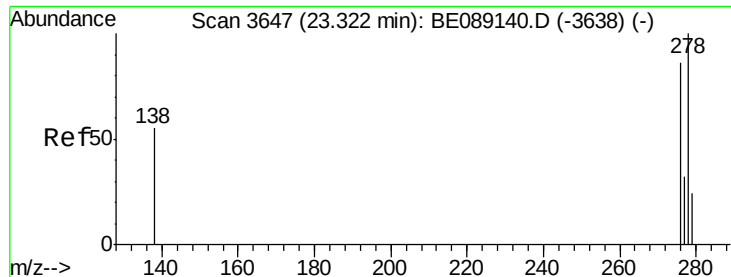


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

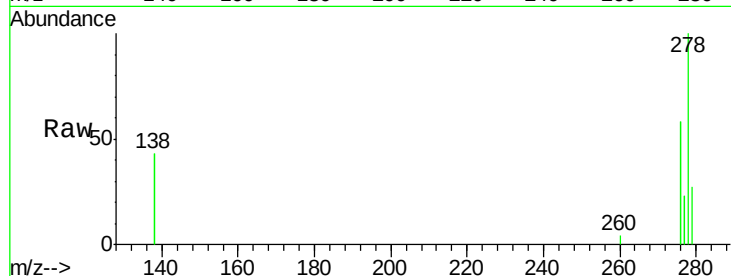




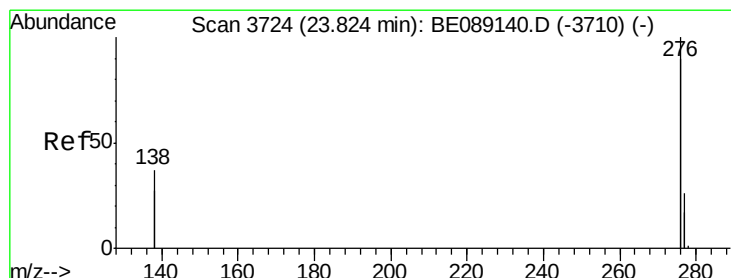
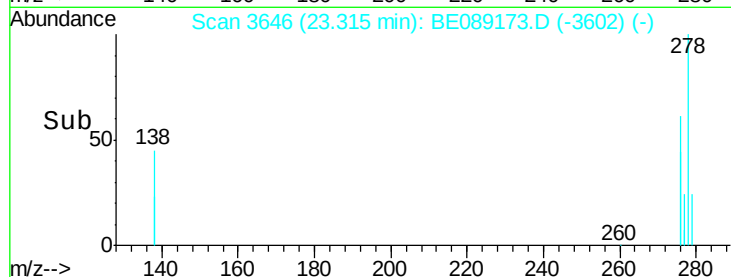
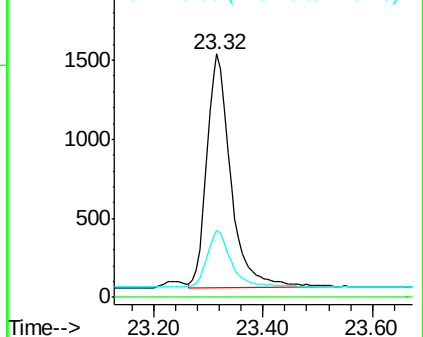
#25
Dibenzo(a,h)anthracene
Concen: 0.45 ng/ul
RT: 23.32 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BE089173.D
Acq: 8 Dec 2014 13:14

Instrument :
BNA_E
ClientSampleId :
SSTD0.435

Tgt Ion: 278 Resp: 4496
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 27.3 21.7 32.5

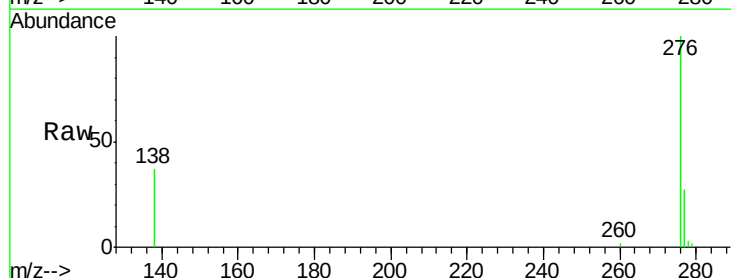


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 23.82 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BE089173.D
Acq: 8 Dec 2014 13:14

Tgt Ion: 276 Resp: 19770
Ion Ratio Lower Upper
276 100
277 27.2 21.2 31.8
138 37.0 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

