

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101415\
 Data File : BE091009.D
 Acq On : 14 Oct 2015 18:11
 Operator : UM/IZ
 Sample : SSTD0.475
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.475

Quant Time: Oct 15 05:35:12 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE101415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 05:25:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	6223	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	28033	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.45	164	15673	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	40261	0.40	ng/ul	0.00
16) Chrysene-d12	20.32	240	54292	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	55214	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.13	152	12217	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	36635	0.34	ng/ul	0.00

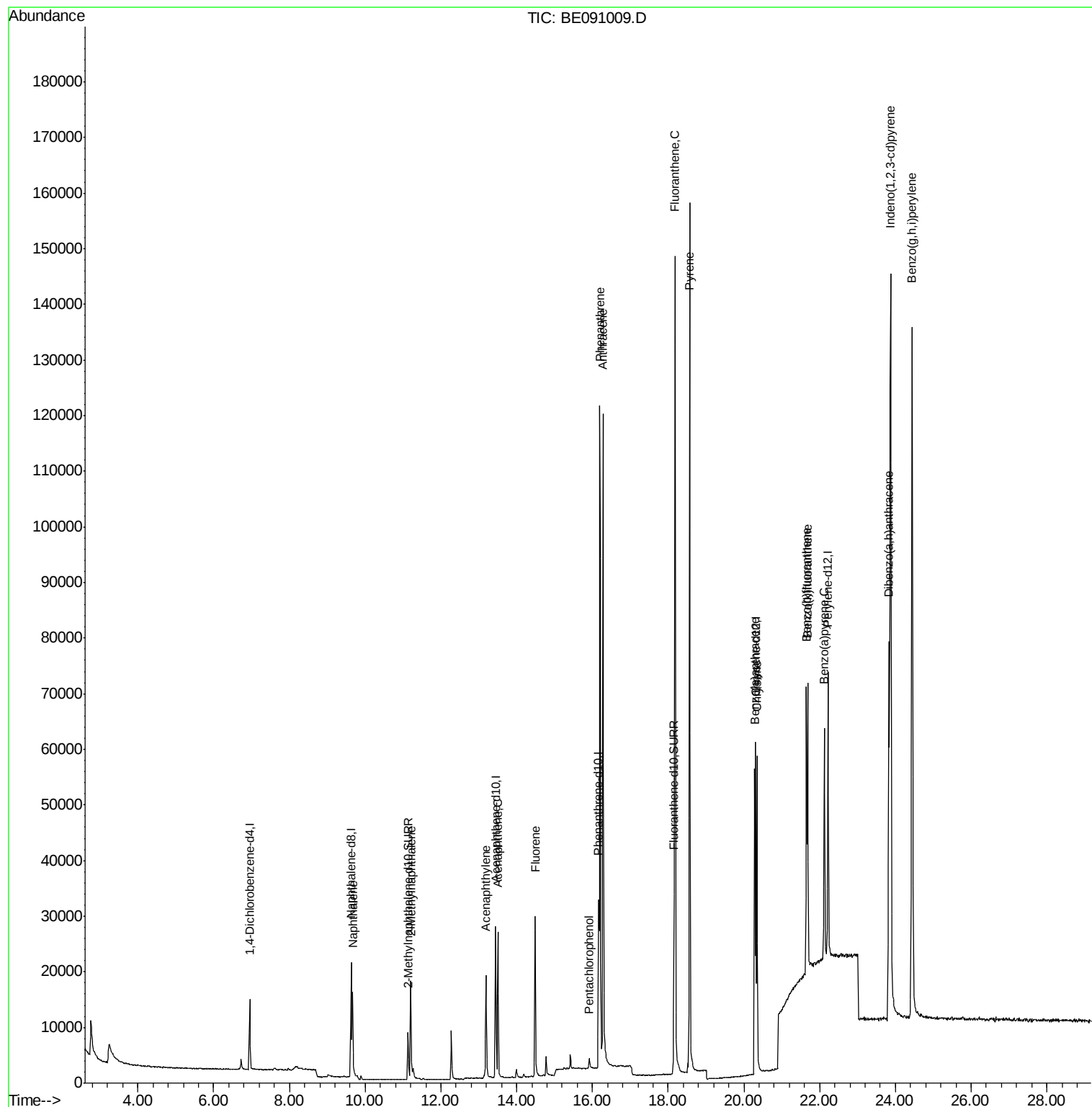
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.67	128	24215	0.35	ng/ul	100
5) 2-Methylnaphthalene	11.20	142	13532	0.31	ng/ul	100
7) Acenaphthylene	13.19	152	22217	0.09	ng/ul	100
8) Acenaphthene	13.51	153	16158	0.09	ng/ul	100
9) Fluorene	14.49	166	20186	0.32	ng/ul	100
11) Pentachlorophenol	15.92	266	1677	0.32	ng/ul	99
12) Phenanthrene	16.20	178	138507	0.85	ng/ul	100
13) Anthracene	16.28	178	135407	0.86	ng/ul	100
15) Fluoranthene	18.18	202	173220	0.88	ng/ul	100
17) Pyrene	18.56	202	178143	0.85	ng/ul	100
18) Benzo(a)anthracene	20.28	228	46137	0.32	ng/ul	100
19) Chrysene	20.35	228	49346	0.32	ng/ul	100
21) Benzo(b)fluoranthene	21.65	252	50104	0.30	ng/ul	100
22) Benzo(k)fluoranthene	21.68	252	52602	0.33	ng/ul	100
23) Benzo(a)pyrene	22.12	252	49728	0.32	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	23.87	276	195155	0.82	ng/ul	100
25) Dibenzo(a,h)anthracene	23.83	278	50665	0.31	ng/ul	100
26) Benzo(g,h,i)perylene	24.44	276	209221	0.83	ng/ul	100

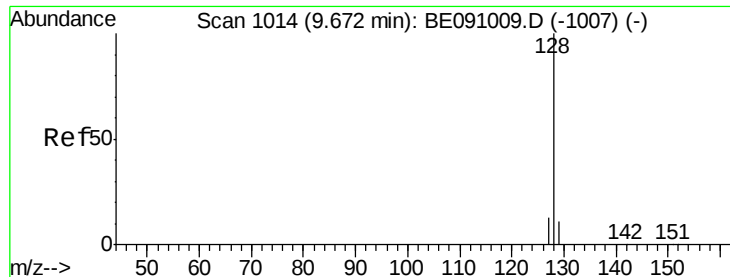
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.35 ng/ul

RT: 9.67 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

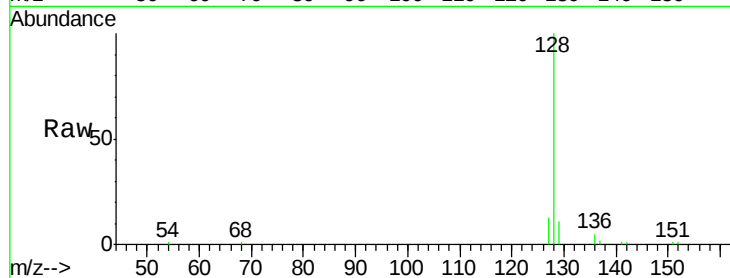
Tot Ion:128 Resp: 24215

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

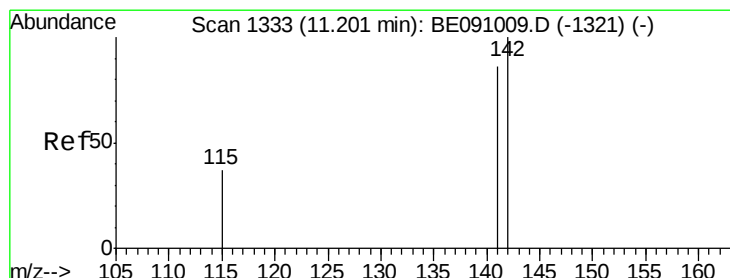
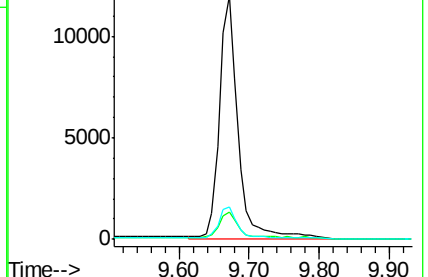
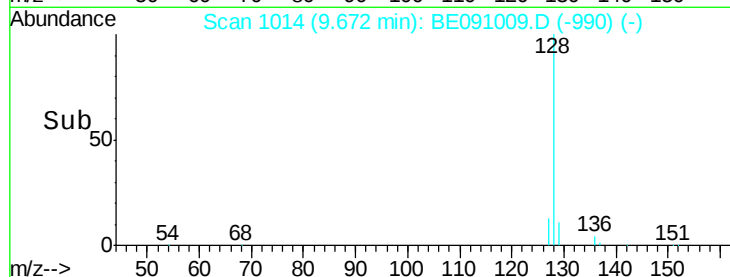
127 13.4 10.7 16.1



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: 0.31 ng/ul

RT: 11.20 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BE091009.D

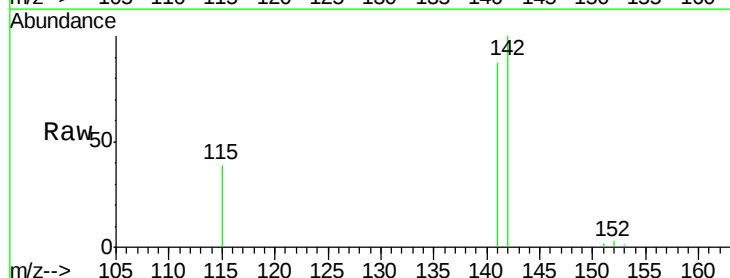
Acq: 14 Oct 2015 18:11

Tgt Ion:142 Resp: 13532

Ion Ratio Lower Upper

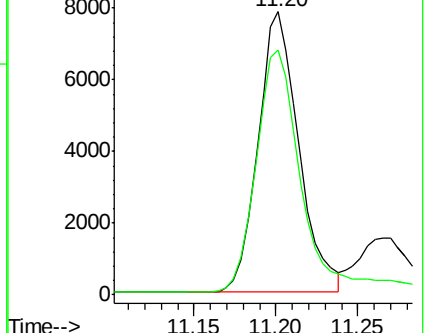
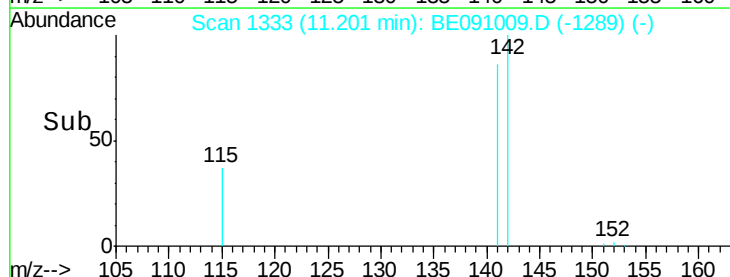
142 100

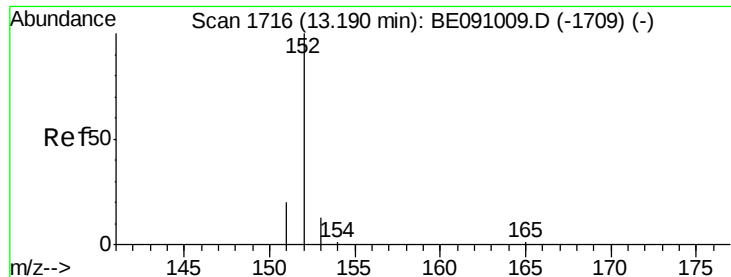
141 99.2 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 13.19 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

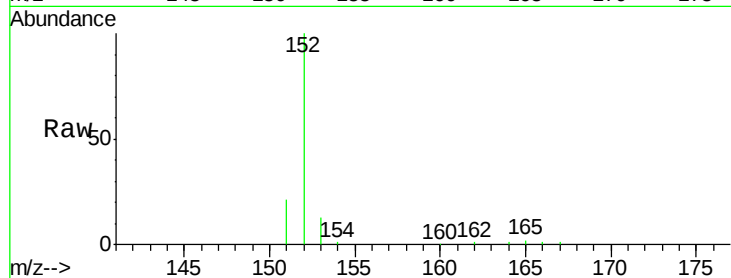
Tot Ion:152 Resp: 22217

Ion Ratio Lower Upper

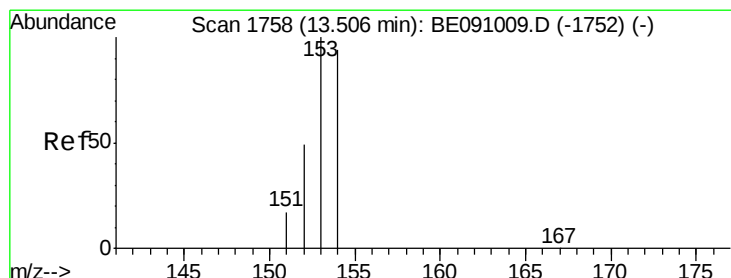
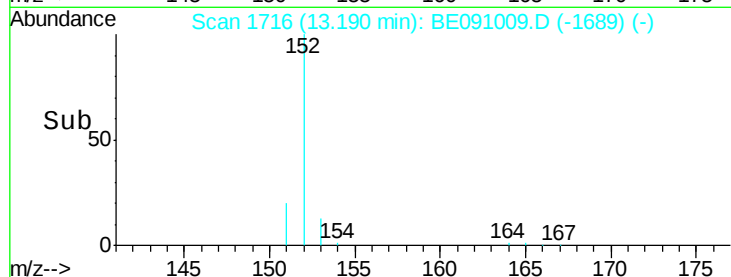
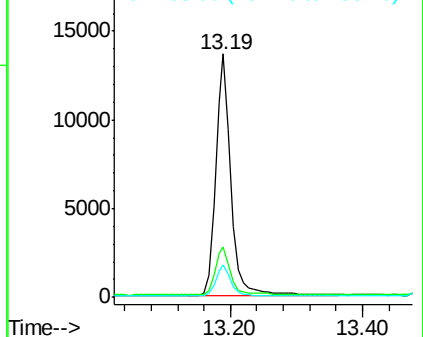
152 100

151 20.7 16.6 24.8

153 13.4 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



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 13.51 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

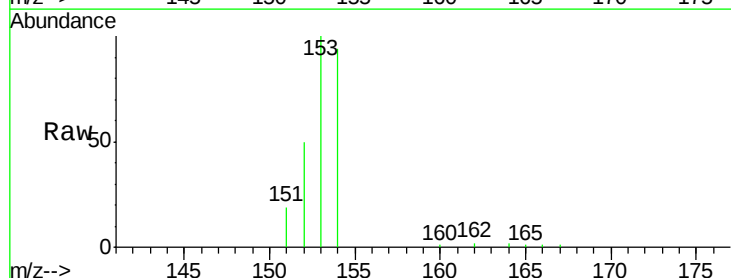
Tgt Ion:153 Resp: 16158

Ion Ratio Lower Upper

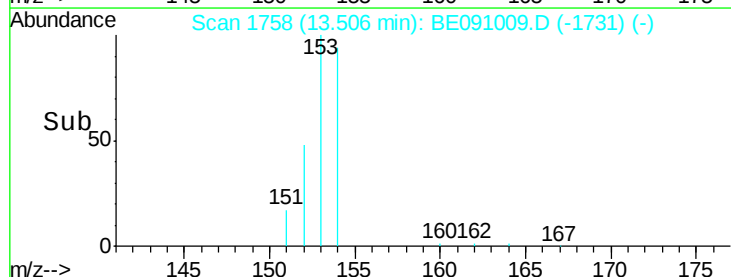
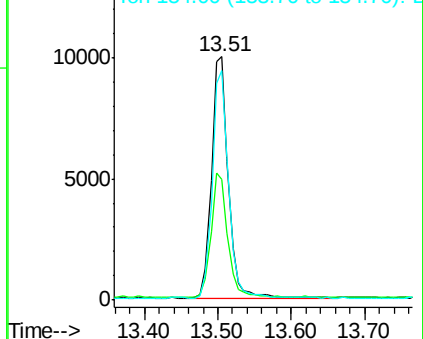
153 100

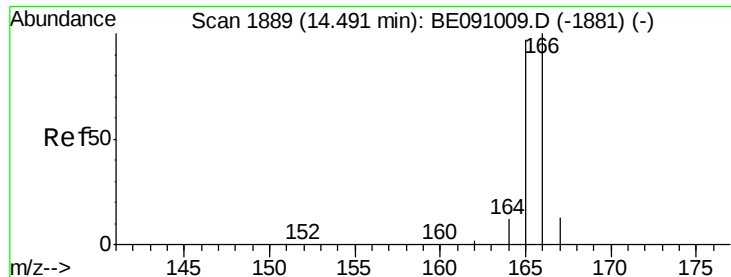
152 49.8 39.8 59.8

154 94.3 75.4 113.2



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: 0.32 ng/ul

RT: 14.49 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

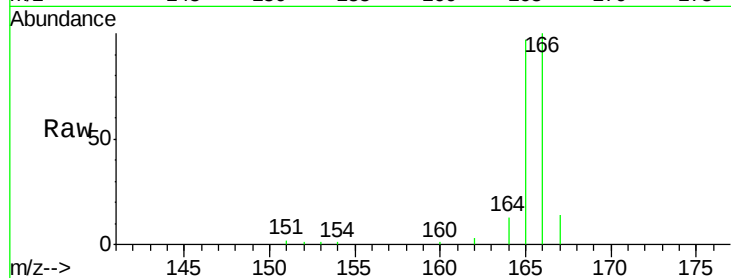
Tot Ion:166 Resp: 20186

Ion Ratio Lower Upper

166 100

165 97.1 77.7 116.5

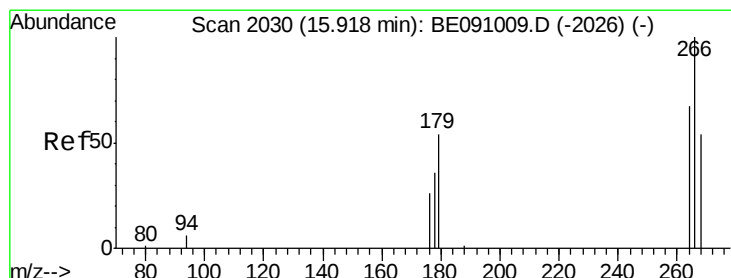
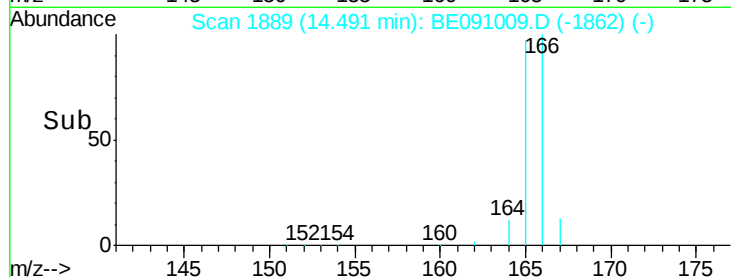
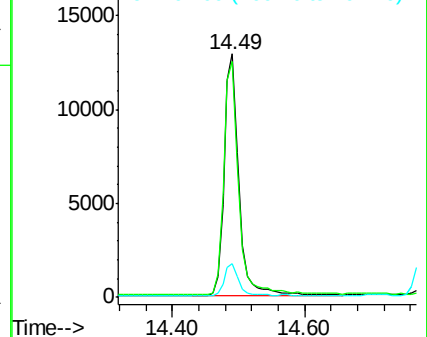
167 13.6 10.9 16.3



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: 0.32 ng/ul

RT: 15.92 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

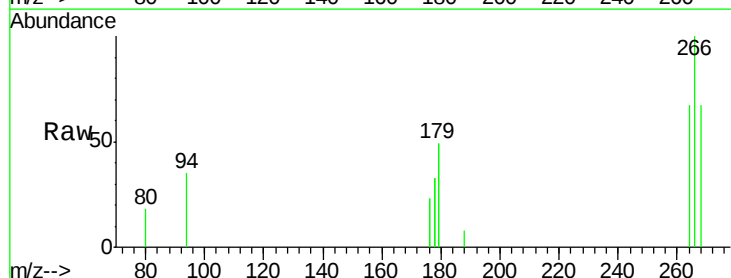
Tgt Ion:266 Resp: 1677

Ion Ratio Lower Upper

266 100

264 63.7 50.7 76.1

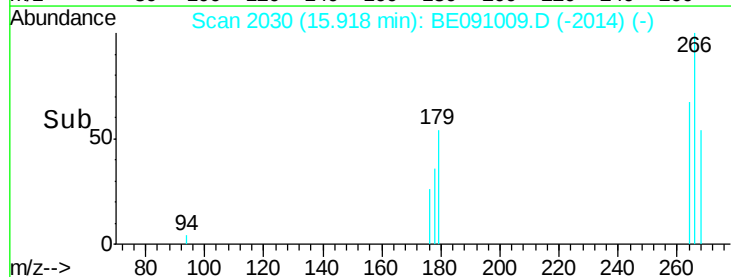
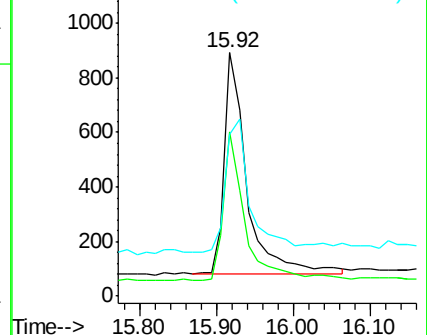
268 69.9 57.6 86.4

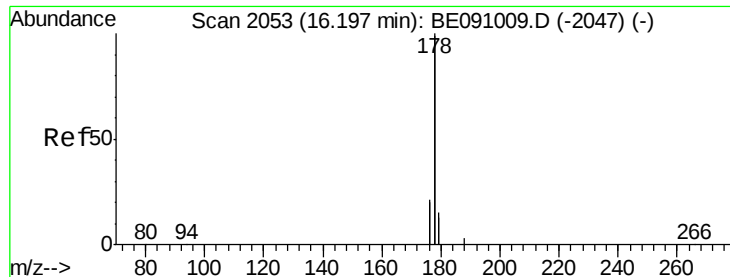


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.85 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

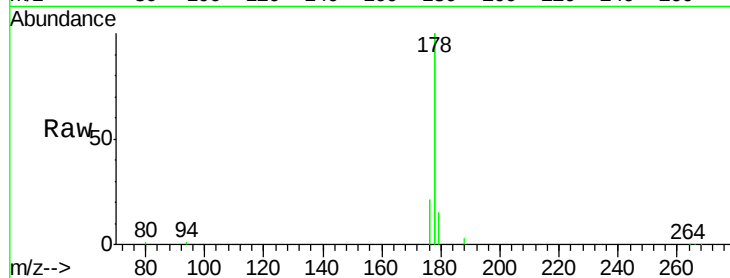
Tot Ion:178 Resp: 138507

Ion Ratio Lower Upper

178 100

176 21.1 16.9 25.3

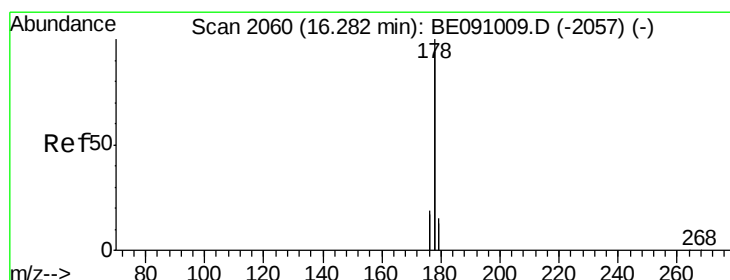
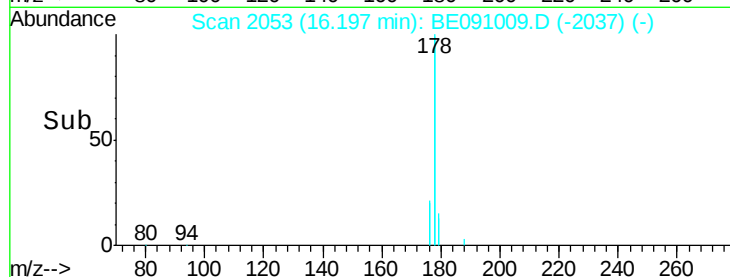
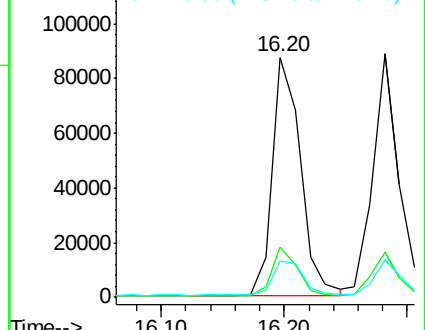
179 15.0 12.0 18.0



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: 0.86 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

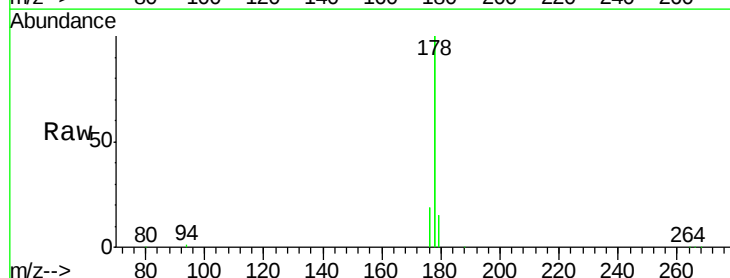
Tgt Ion:178 Resp: 135407

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

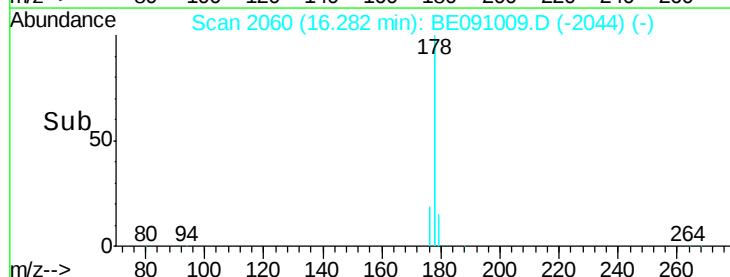
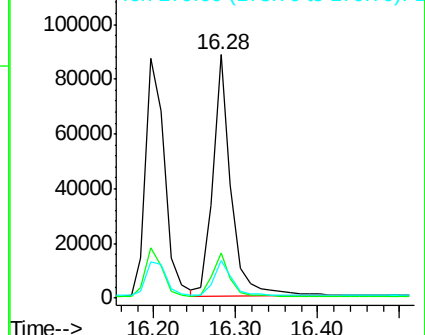
179 15.4 12.3 18.5

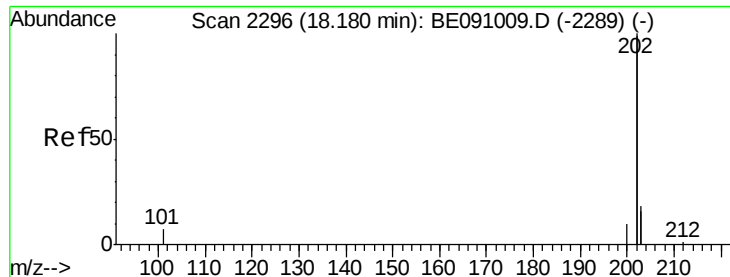


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.88 ng/ul

RT: 18.18 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

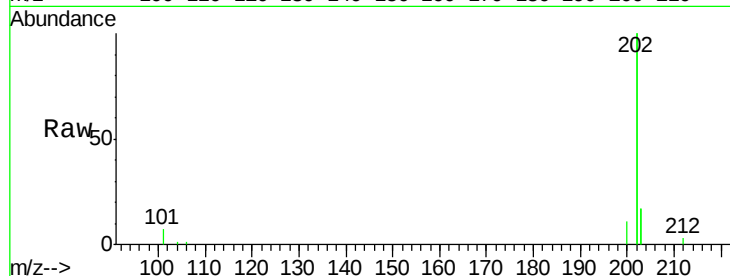
Tot Ion:202 Resp: 173220

Ion Ratio Lower Upper

202 100

101 3.7 0.0 23.7

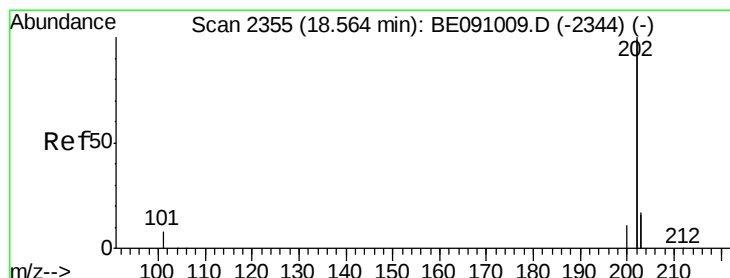
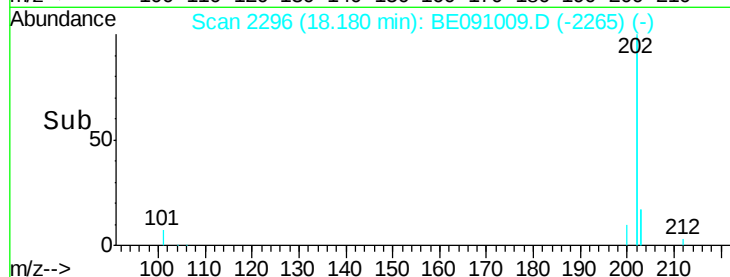
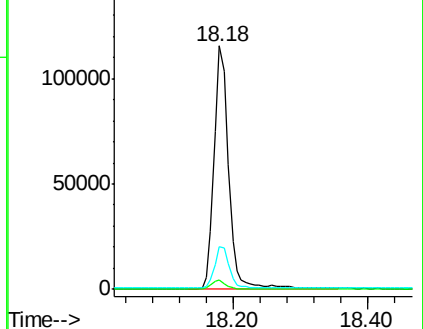
203 17.5 0.0 37.5



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: 0.85 ng/ul

RT: 18.56 min Scan# 2355

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

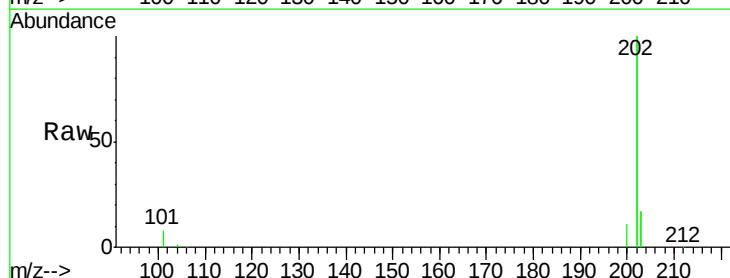
Tgt Ion:202 Resp: 178143

Ion Ratio Lower Upper

202 100

200 5.4 4.3 6.5

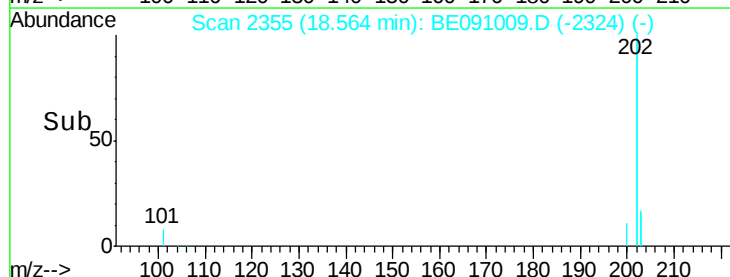
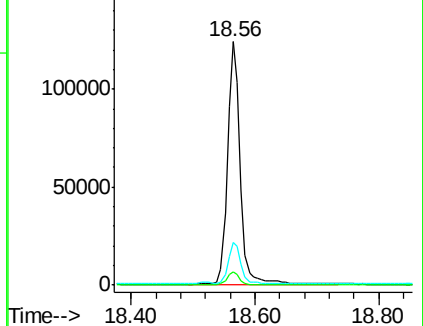
203 17.4 13.9 20.9

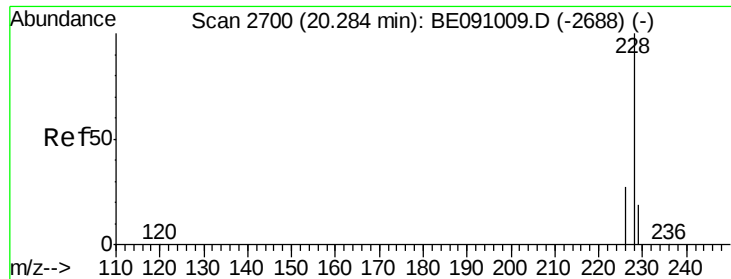


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.32 ng/ul

RT: 20.28 min Scan# 2700

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

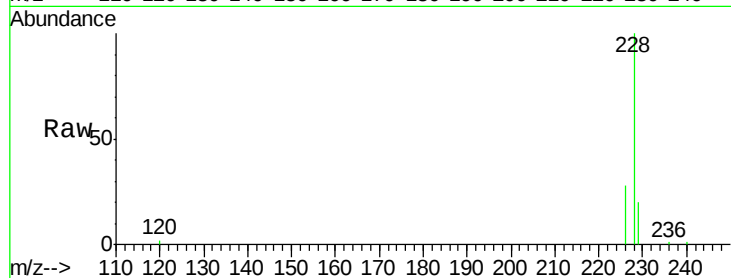
Tot Ion:228 Resp: 46137

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

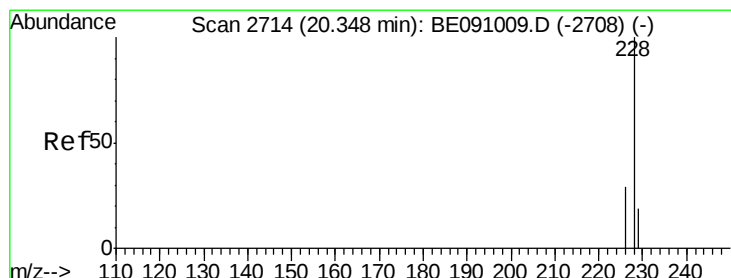
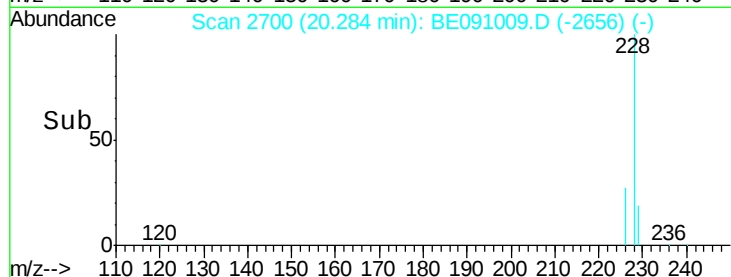
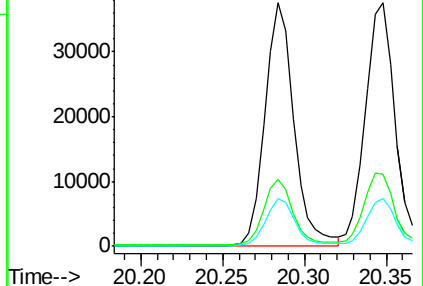
229 19.7 15.8 23.6



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: 0.32 ng/ul

RT: 20.35 min Scan# 2714

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

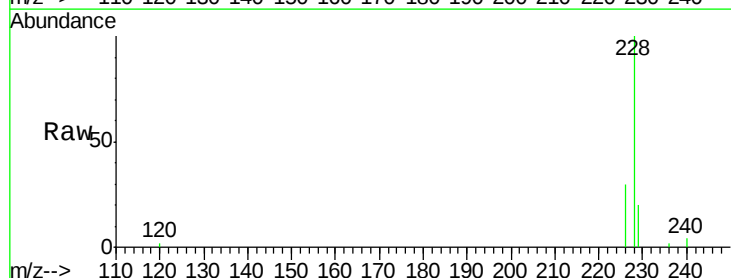
Tgt Ion:228 Resp: 49346

Ion Ratio Lower Upper

228 100

226 29.5 23.6 35.4

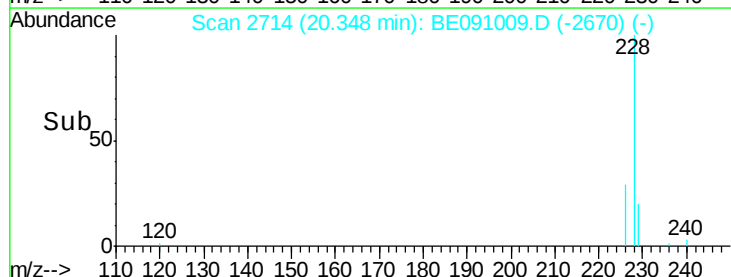
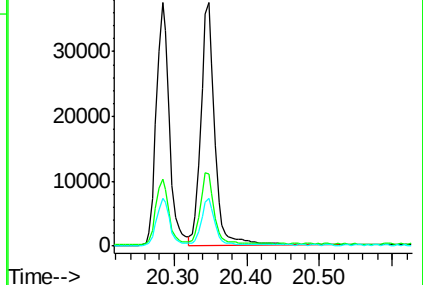
229 19.8 15.8 23.8

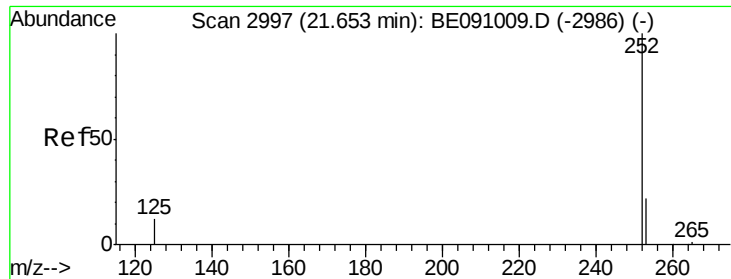


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.30 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

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ClientSampleId :

SSTD0.475

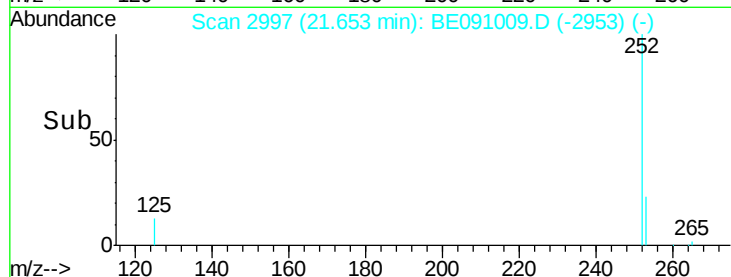
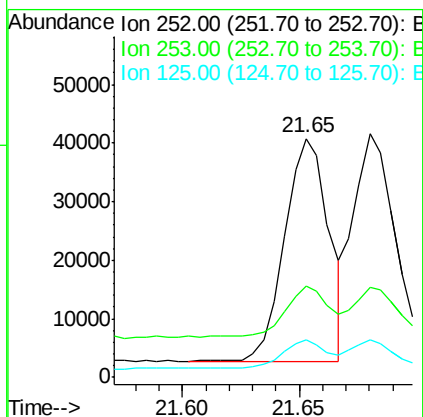
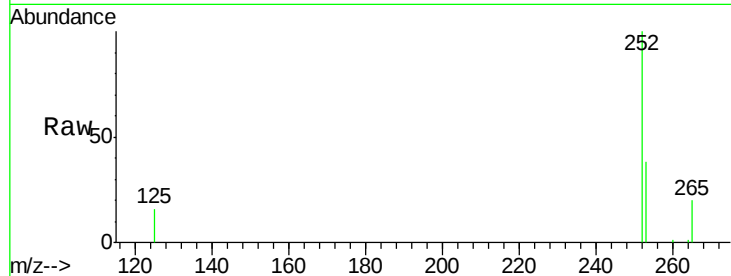
Tot Ion:252 Resp: 50104

Ion Ratio Lower Upper

252 100

253 38.1 0.0 76.2

125 15.6 0.0 31.2



#22

Benzo(k)fluoranthene

Concen: 0.33 ng/ul

RT: 21.68 min Scan# 3003

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

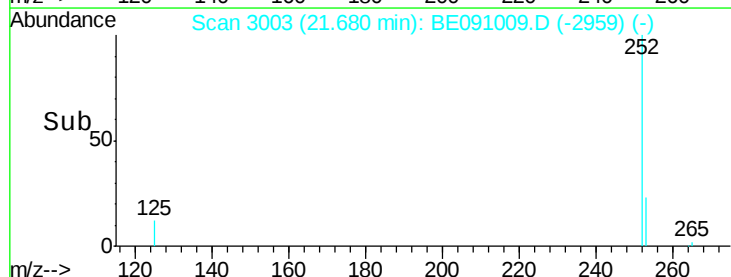
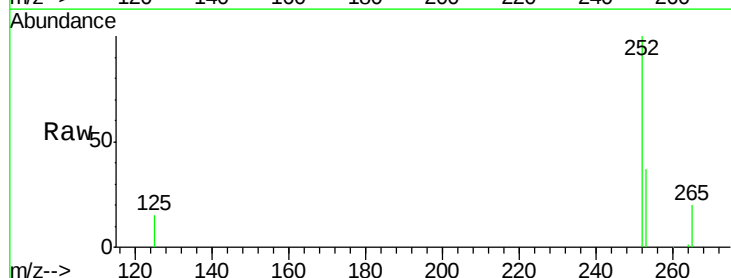
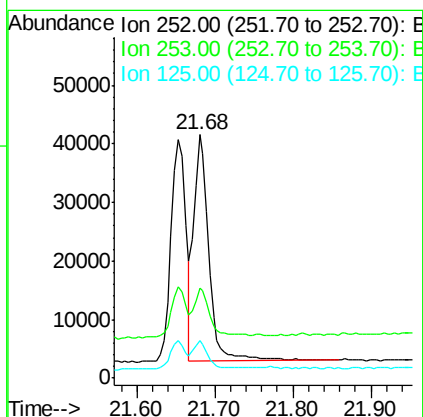
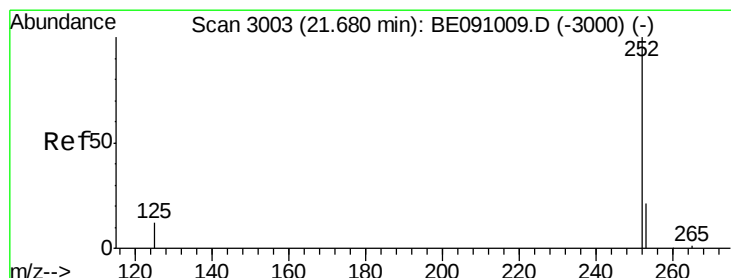
Tgt Ion:252 Resp: 52602

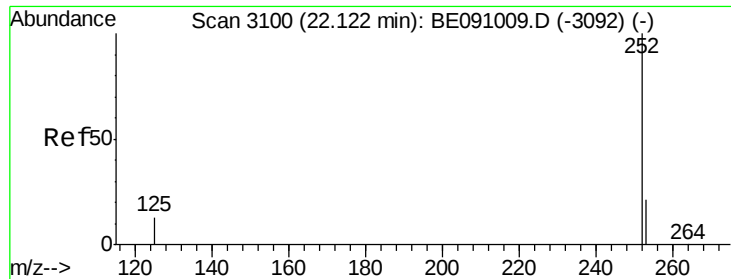
Ion Ratio Lower Upper

252 100

253 37.2 29.8 44.6

125 15.3 12.2 18.4





#23

Benzo(a)pyrene

Concen: 0.32 ng/ul

RT: 22.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

Instrument :

BNA_E

ClientSampleId :

SSTD0.475

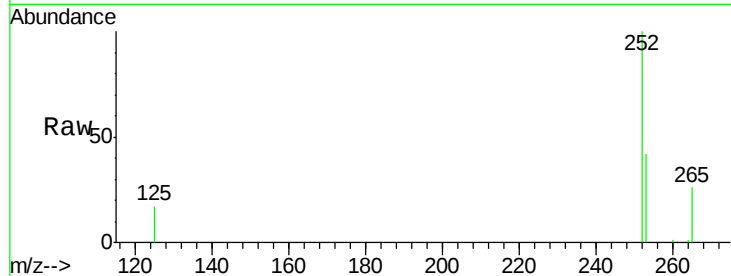
Tot Ion:252 Resp: 49728

Ion Ratio Lower Upper

252 100

253 42.5 34.0 51.0

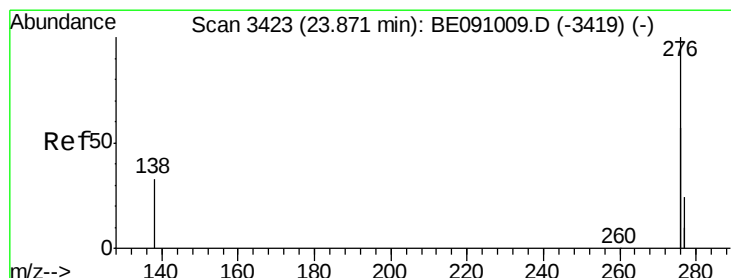
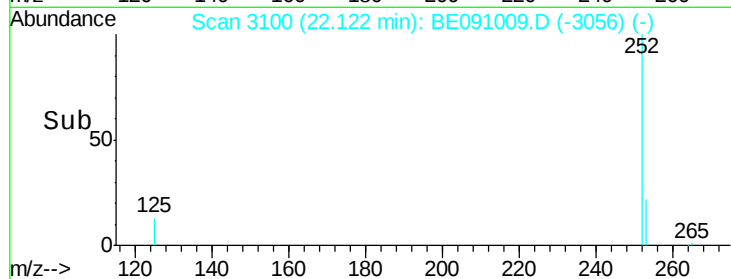
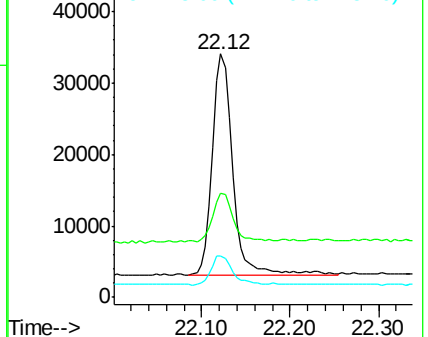
125 17.0 13.6 20.4



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: 0.82 ng/ul

RT: 23.87 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BE091009.D

Acq: 14 Oct 2015 18:11

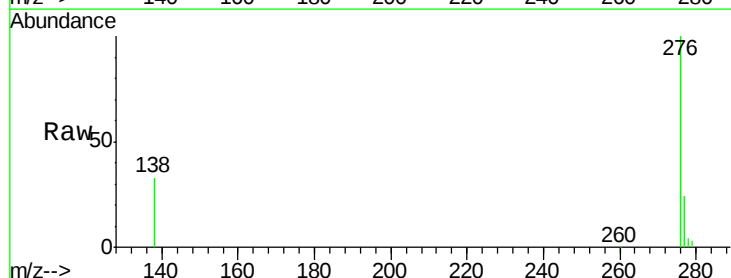
Tgt Ion:276 Resp: 195155

Ion Ratio Lower Upper

276 100

138 24.5 19.5 29.3

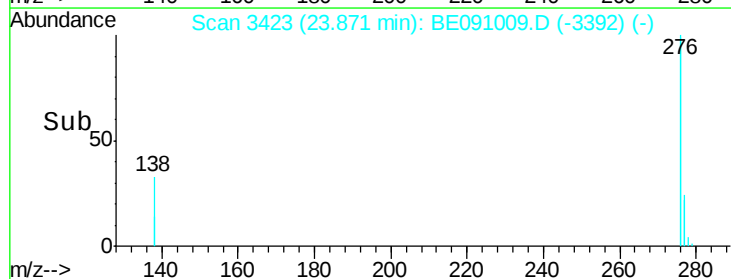
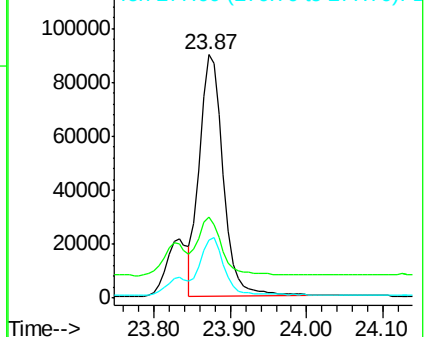
277 24.0 19.4 29.0

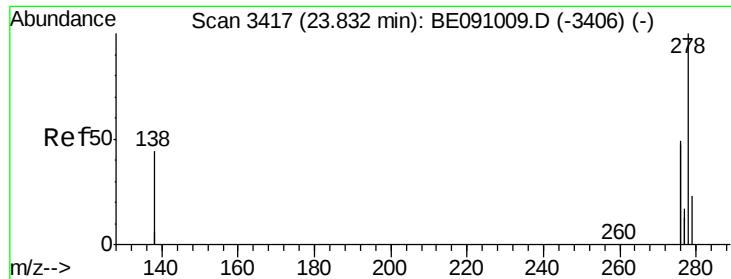


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

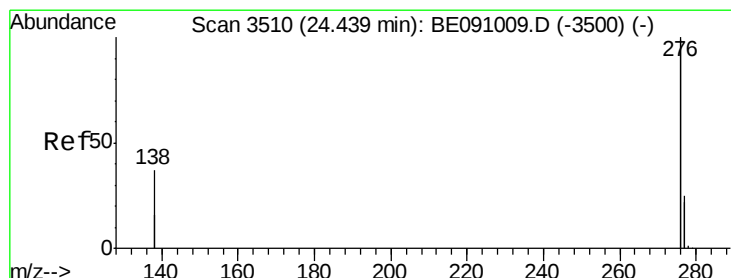
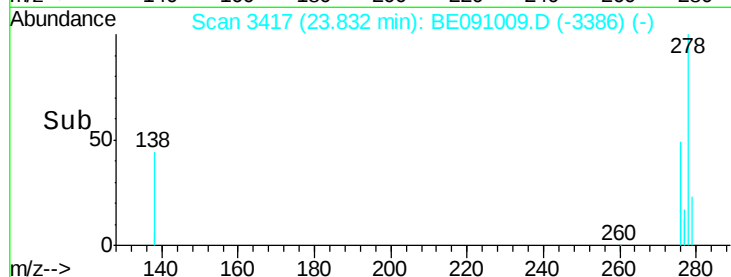
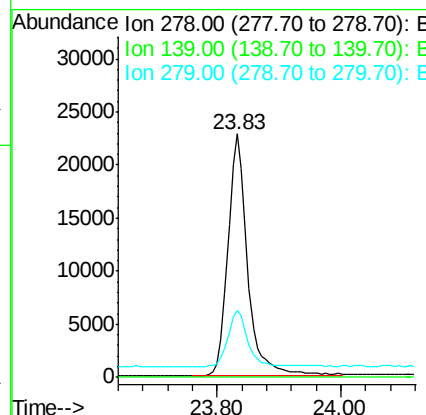
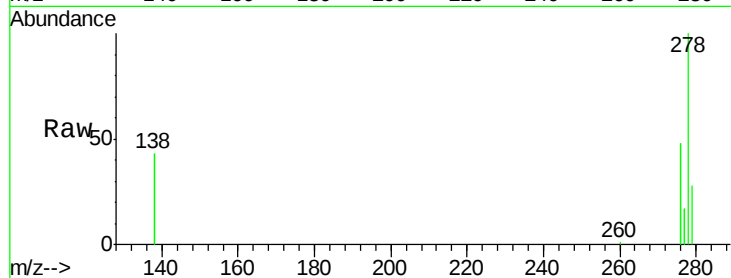




#25
Dibenzo(a,h)anthracene
Concen: 0.31 ng/ul
RT: 23.83 min Scan# 3417
Delta R.T. 0.00 min
Lab File: BE091009.D
Acq: 14 Oct 2015 18:11

Instrument :
BNA_E
ClientSampleId :
SSTD0.475

Tot Ion:278 Resp: 50665
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 27.6 22.1 33.1



#26
Benzo(g,h,i)perylene
Concen: 0.83 ng/ul
RT: 24.44 min Scan# 3510
Delta R.T. 0.00 min
Lab File: BE091009.D
Acq: 14 Oct 2015 18:11

Tgt Ion:276 Resp: 209221
Ion Ratio Lower Upper
276 100
277 24.8 19.8 29.8
138 36.8 29.4 44.2

