

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101415\
 Data File : BE091012.D
 Acq On : 14 Oct 2015 19:58
 Operator : UM/IZ
 Sample : SSTD3.278
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.278

Quant Time: Oct 15 05:35:46 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	5533	0.40	ng/ul	0.00
2) Naphthalene-d8	9.62	136	27308	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.44	164	15002	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	38424	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	52256	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	51692	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.12	152	93662	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	276516	2.69	ng/ul	0.00

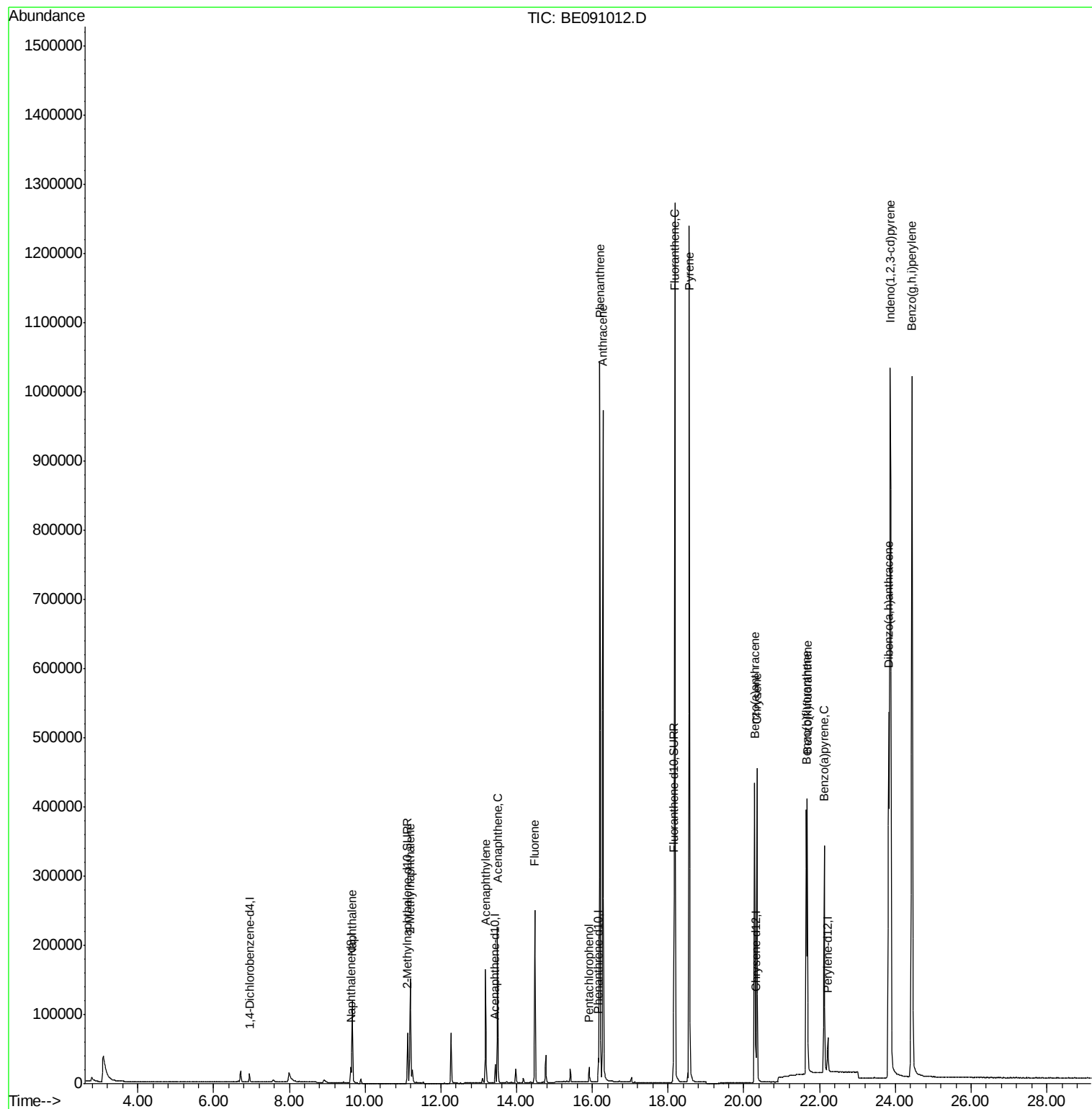
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.66	128	173466	2.60	ng/ul	99
5) 2-Methylnaphthalene	11.19	142	109857	2.57	ng/ul	96
7) Acenaphthylene	13.18	152	177973	0.74	ng/ul	99
8) Acenaphthene	13.50	153	123594	0.71	ng/ul	99
9) Fluorene	14.48	166	150855	2.50	ng/ul	98
11) Pentachlorophenol	15.92	266	14630	2.90	ng/ul	94
12) Phenanthrene	16.20	178	1042212	6.72	ng/ul	98
13) Anthracene	16.28	178	1026786	6.86	ng/ul	99
15) Fluoranthene	18.18	202	1322100	7.02	ng/ul	99
17) Pyrene	18.56	202	1355300	6.69	ng/ul	99
18) Benzo(a)anthracene	20.28	228	351957	2.54	ng/ul	99
19) Chrysene	20.34	228	364614	2.48	ng/ul	98
21) Benzo(b)fluoranthene	21.65	252	391500	2.52	ng/ul	81
22) Benzo(k)fluoranthene	21.68	252	360461	2.40	ng/ul#	81
23) Benzo(a)pyrene	22.12	252	367735	2.53	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	23.87	276	1485861	6.69	ng/ul	100
25) Dibenzo(a,h)anthracene	23.83	278	376922	2.47	ng/ul	94
26) Benzo(g,h,i)perylene	24.44	276	1576528	6.70	ng/ul#	89

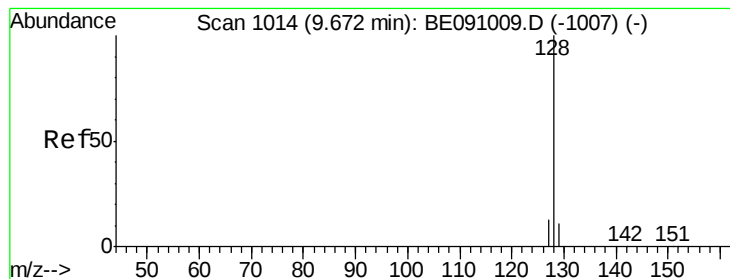
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.60 ng/ul

RT: 9.66 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

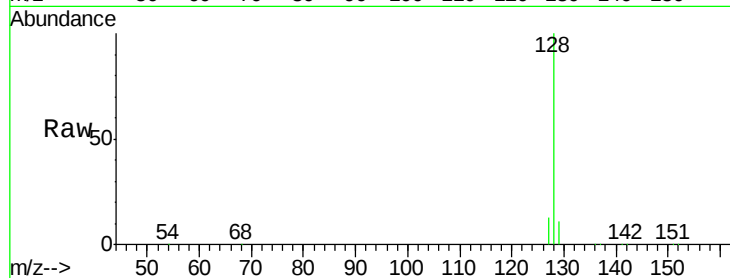
Tot Ion:128 Resp: 173466

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

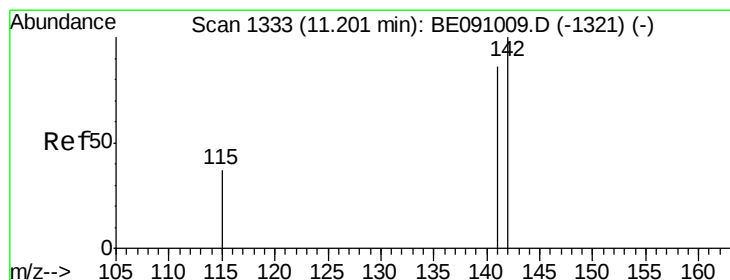
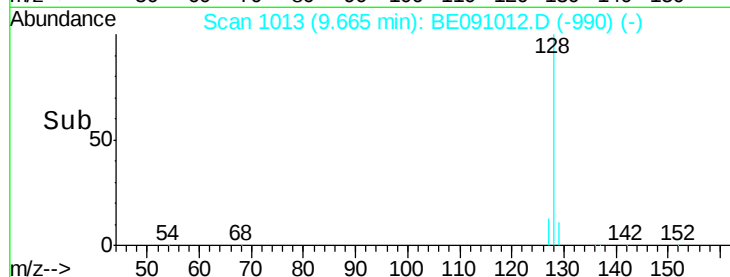
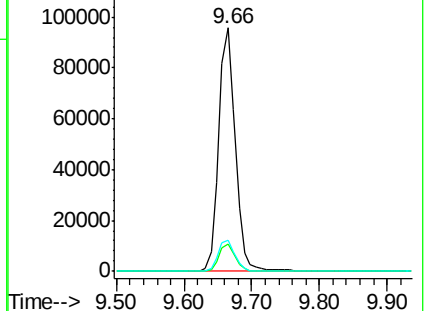
127 13.0 10.7 16.1



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: 2.57 ng/ul

RT: 11.19 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BE091012.D

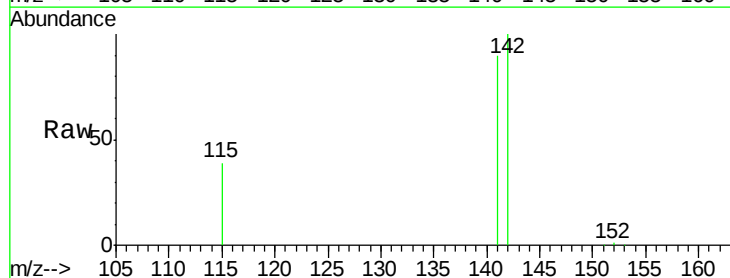
Acq: 14 Oct 2015 19:58

Tgt Ion:142 Resp: 109857

Ion Ratio Lower Upper

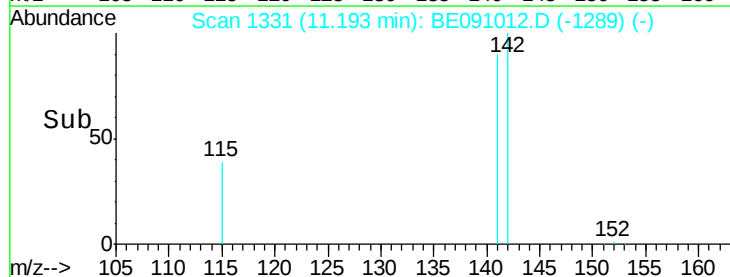
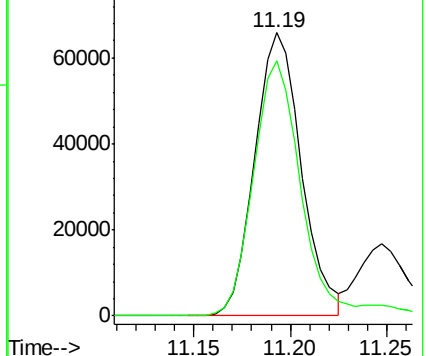
142 100

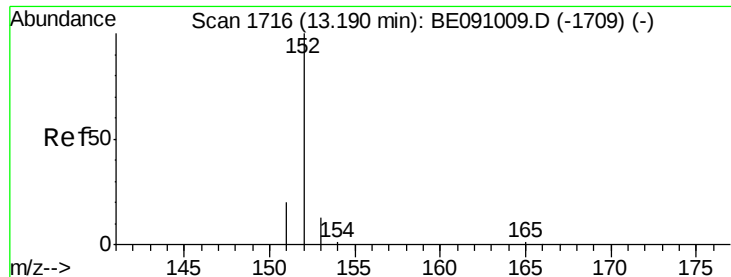
141 95.0 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.74 ng/ul

RT: 13.18 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

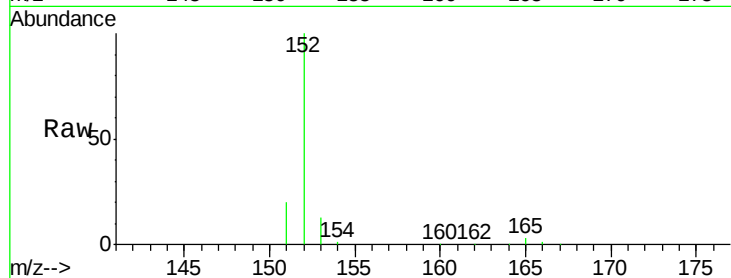
Tot Ion:152 Resp: 177973

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8

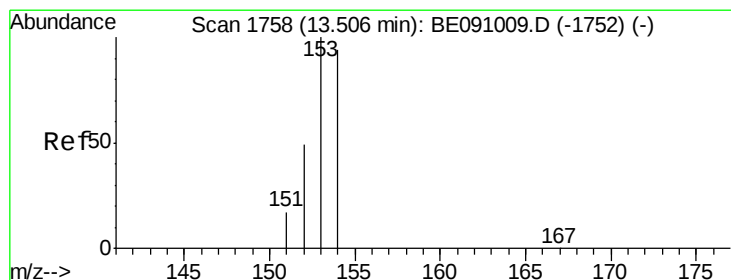
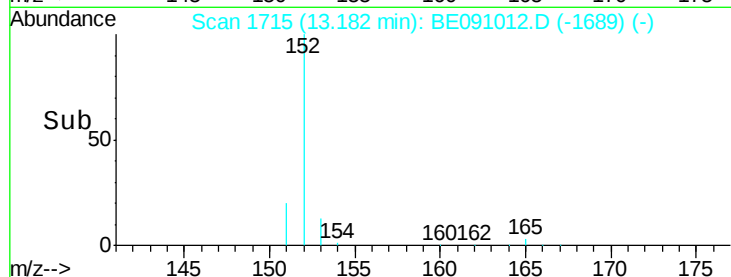
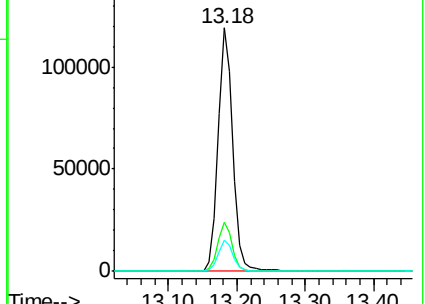
153 12.9 10.7 16.1



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



#8

Acenaphthene

Concen: 0.71 ng/ul

RT: 13.50 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

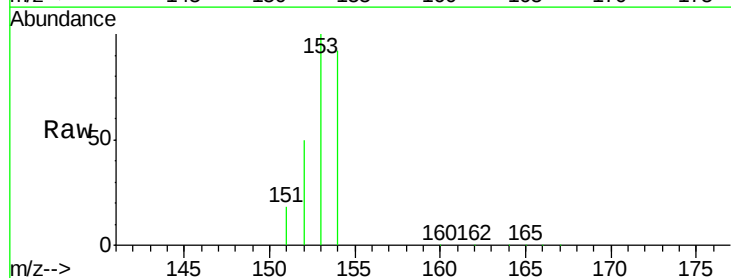
Tgt Ion:153 Resp: 123594

Ion Ratio Lower Upper

153 100

152 49.8 39.8 59.8

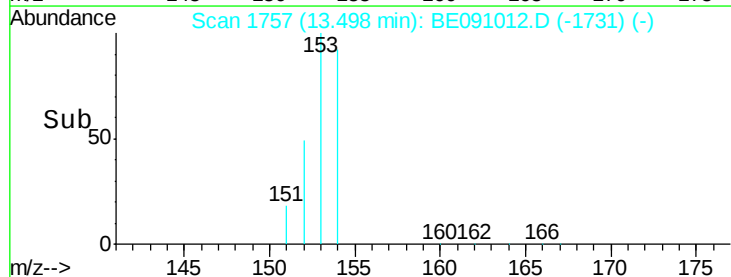
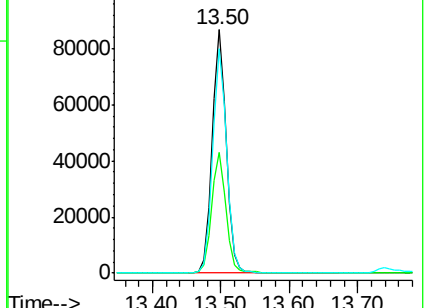
154 92.4 75.4 113.2

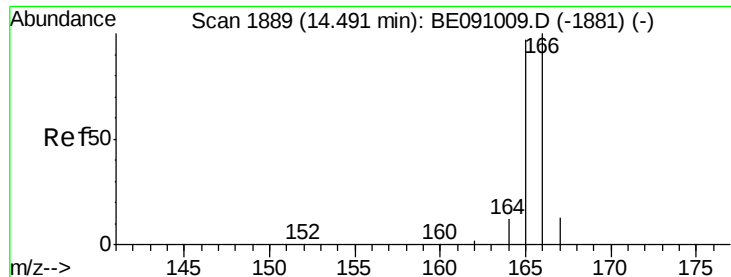


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 2.50 ng/ul

RT: 14.48 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

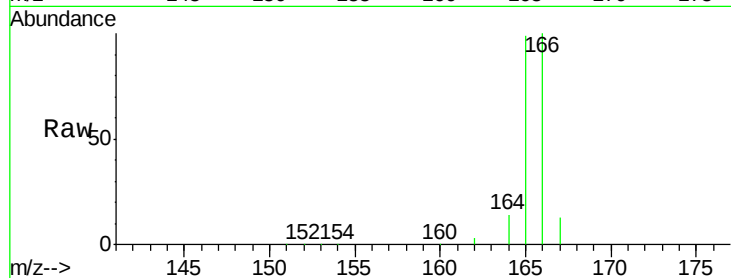
Tot Ion:166 Resp: 150855

Ion Ratio Lower Upper

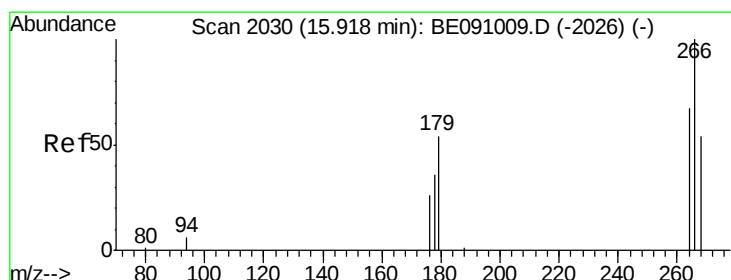
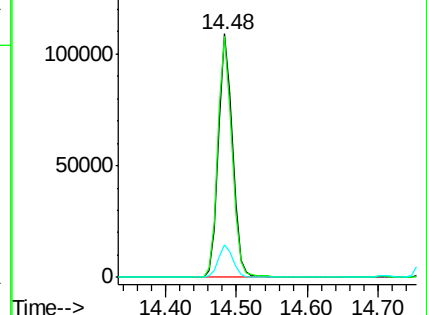
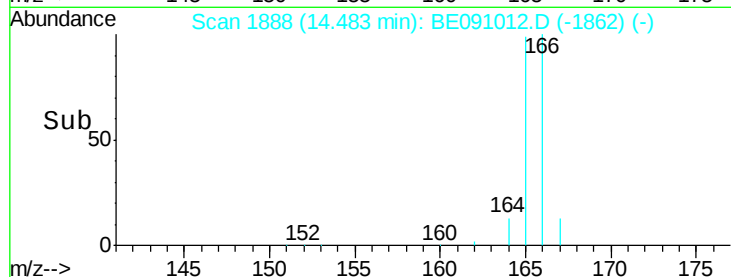
166 100

165 99.0 77.7 116.5

167 13.4 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: 2.90 ng/ul

RT: 15.92 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

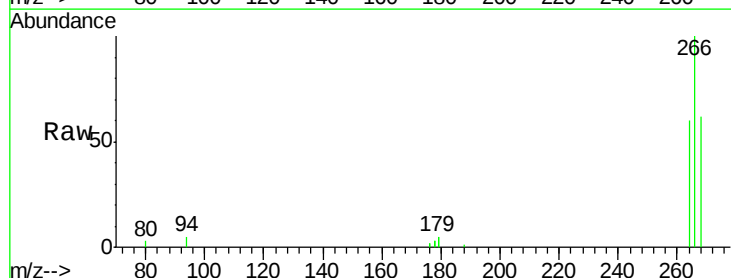
Tgt Ion:266 Resp: 14630

Ion Ratio Lower Upper

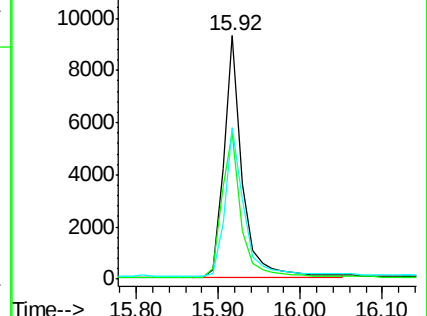
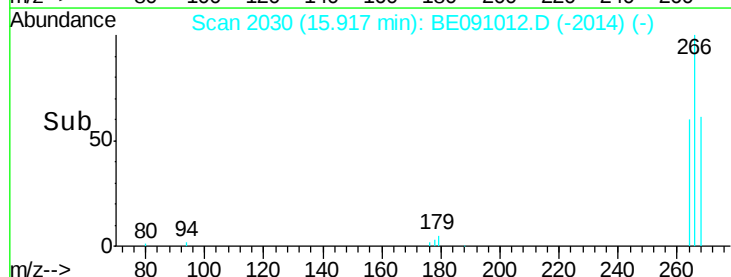
266 100

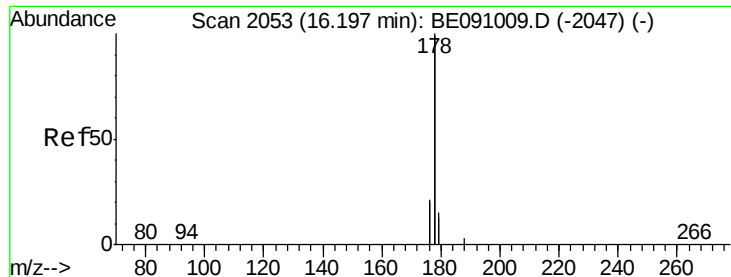
264 64.0 50.7 76.1

268 63.8 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: 6.72 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

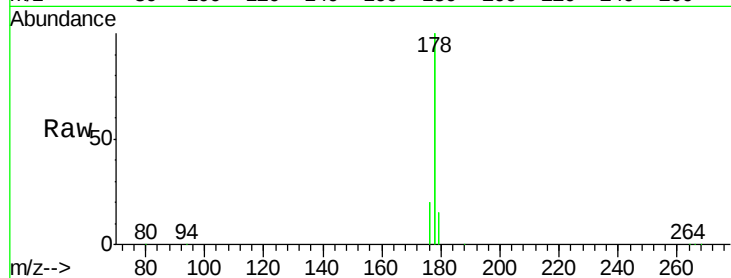
Tot Ion:178 Resp: 1042212

Ion Ratio Lower Upper

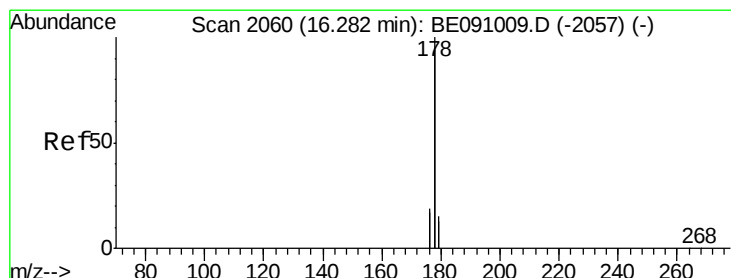
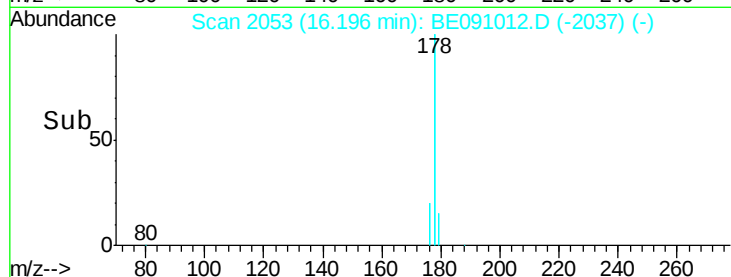
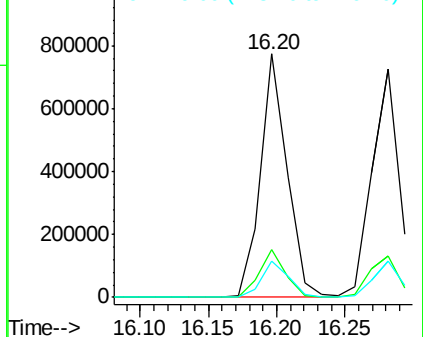
178 100

176 19.7 16.9 25.3

179 14.8 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: 6.86 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

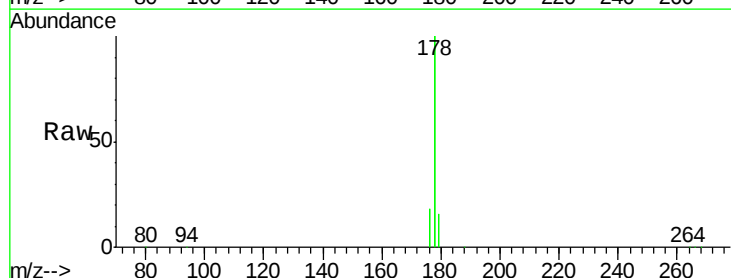
Tgt Ion:178 Resp: 1026786

Ion Ratio Lower Upper

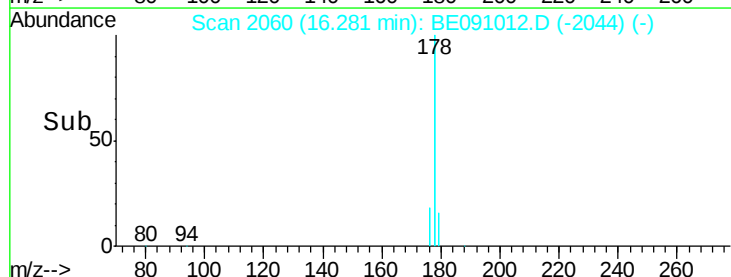
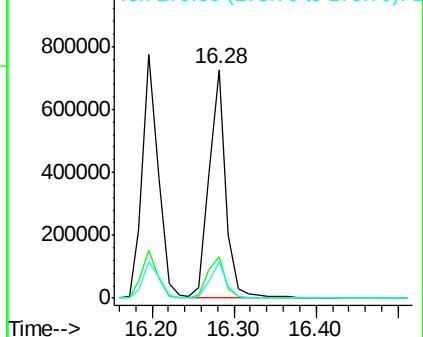
178 100

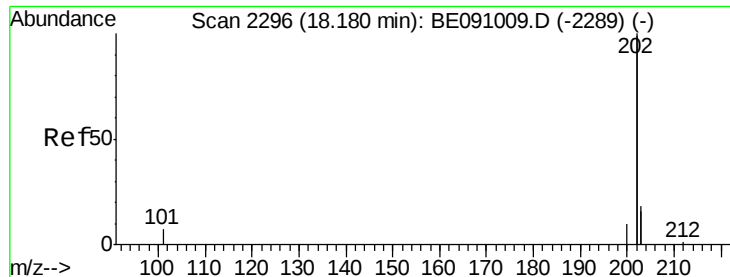
176 17.9 14.9 22.3

179 15.9 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



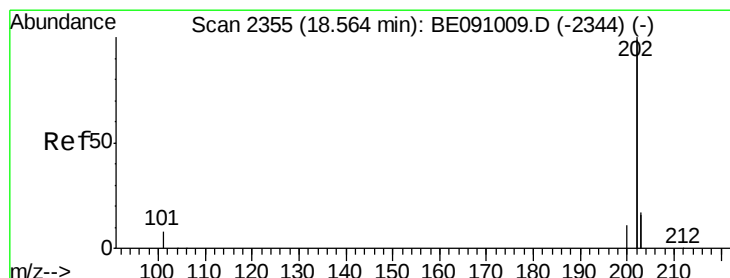
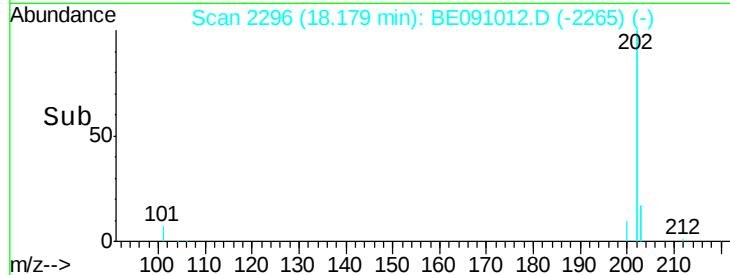
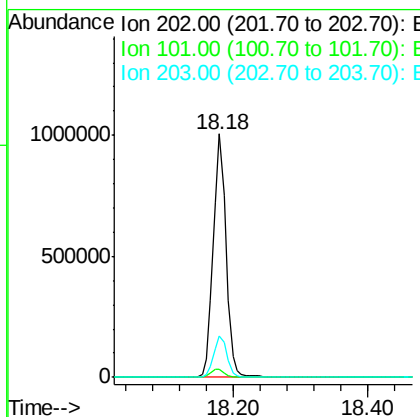
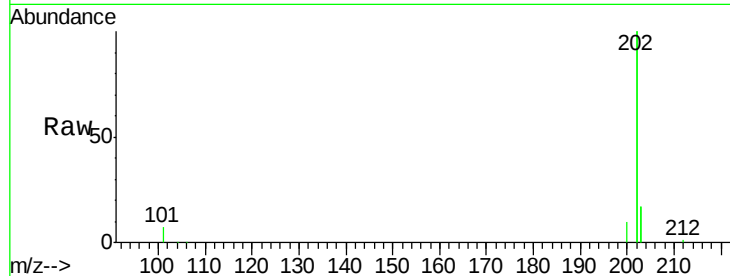


#15
Fluoranthene
 Concen: 7.02 ng/ul
 RT: 18.18 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BE091012.D
 Acq: 14 Oct 2015 19:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTD3.278

Tot Ion:202 Resp: 1322100

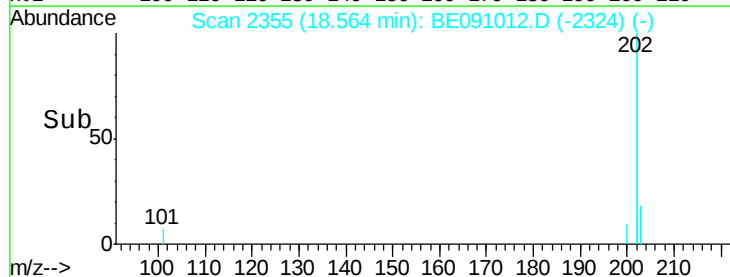
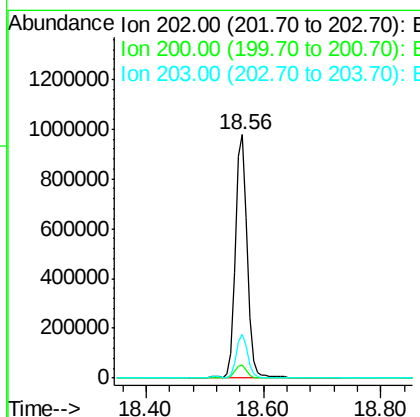
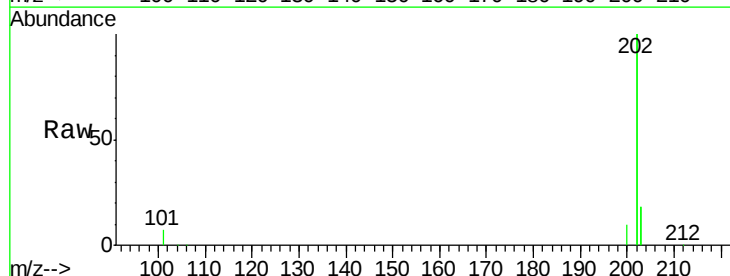
Ion	Ratio	Lower	Upper
202	100		
101	3.4	0.0	23.7
203	17.2	0.0	37.5

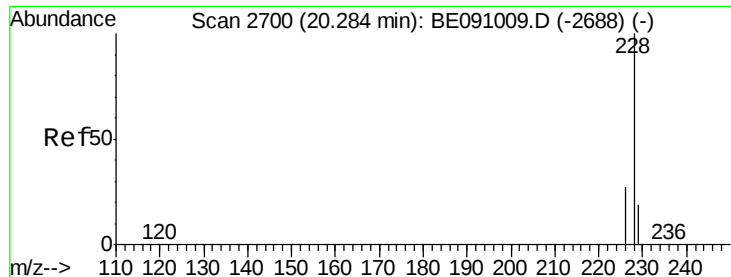


#17
Pyrene
 Concen: 6.69 ng/ul
 RT: 18.56 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BE091012.D
 Acq: 14 Oct 2015 19:58

Tgt Ion:202 Resp: 1355300

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.3	6.5
203	17.9	13.9	20.9





#18

Benzo(a)anthracene

Concen: 2.54 ng/ul

RT: 20.28 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

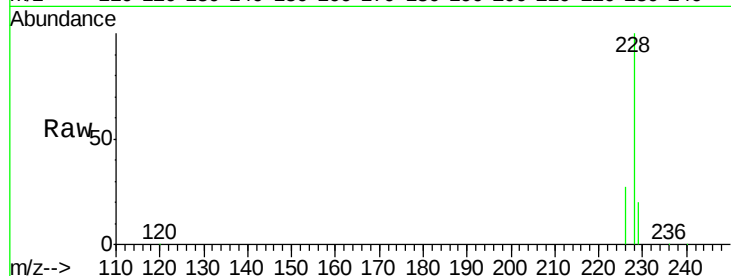
Tot Ion:228 Resp: 351957

Ion Ratio Lower Upper

228 100

226 26.7 22.1 33.1

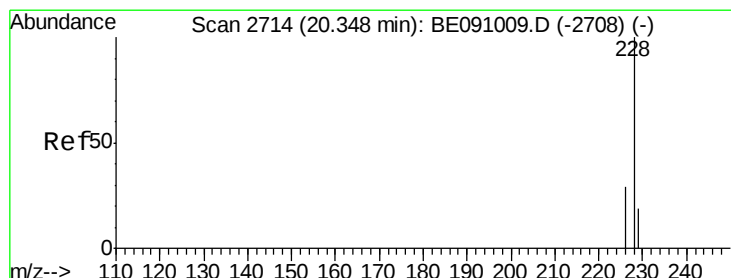
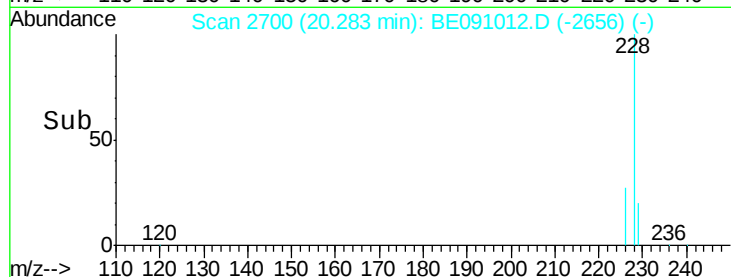
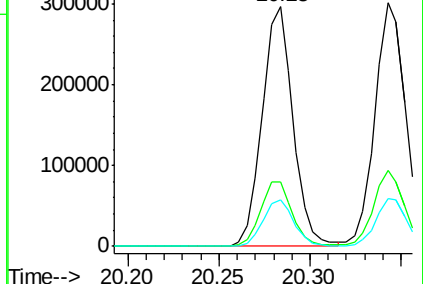
229 19.7 15.8 23.6



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: 2.48 ng/ul

RT: 20.34 min Scan# 2713

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

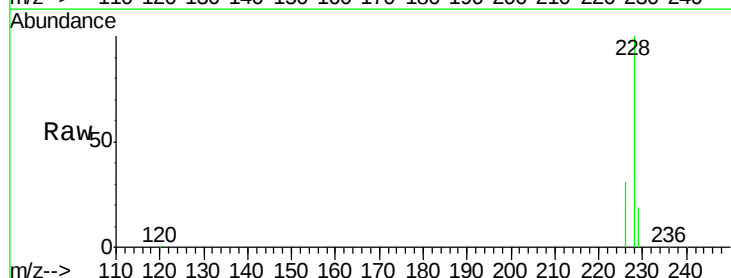
Tgt Ion:228 Resp: 364614

Ion Ratio Lower Upper

228 100

226 31.0 23.6 35.4

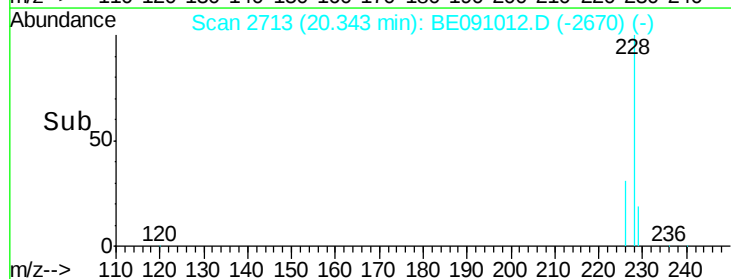
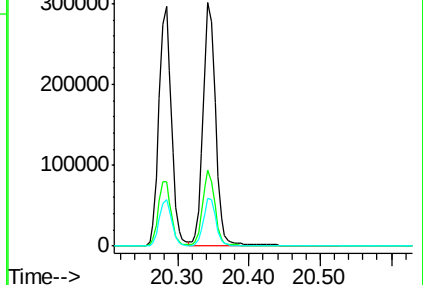
229 19.5 15.8 23.8

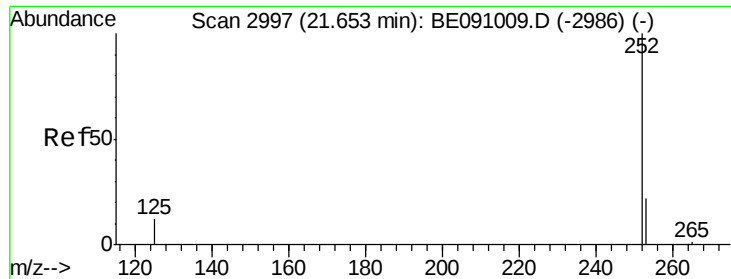


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 2.52 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

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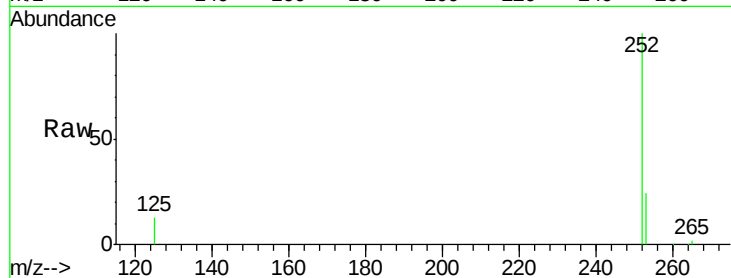
Tot Ion:252 Resp: 391500

Ion Ratio Lower Upper

252 100

253 23.5 0.0 76.2

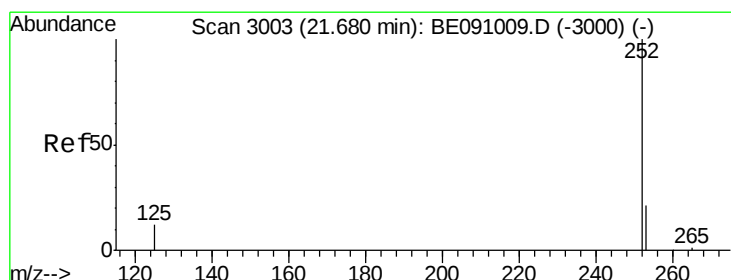
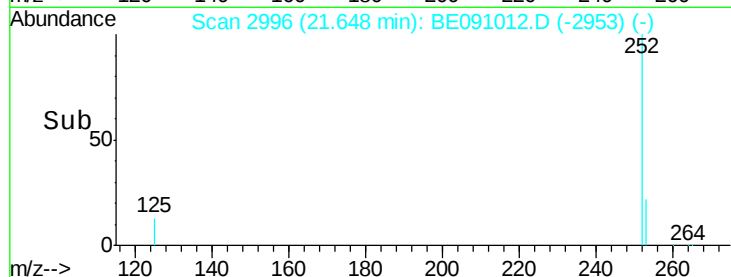
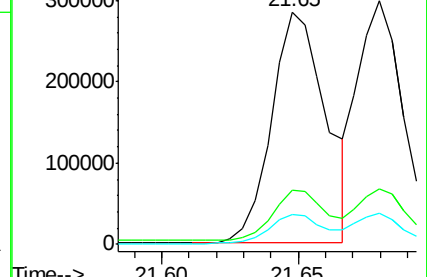
125 13.0 0.0 31.2



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: 2.40 ng/ul

RT: 21.68 min Scan# 3003

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

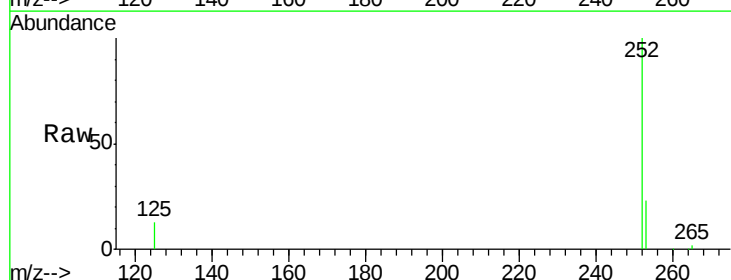
Tgt Ion:252 Resp: 360461

Ion Ratio Lower Upper

252 100

253 22.8 29.8 44.6#

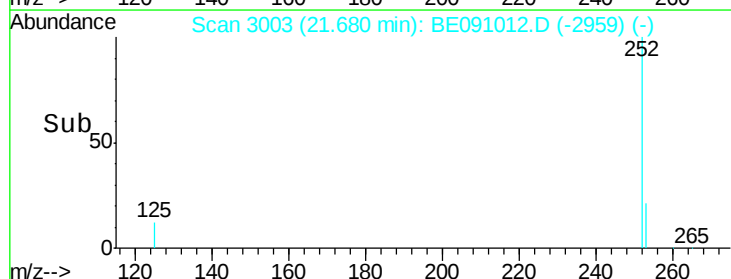
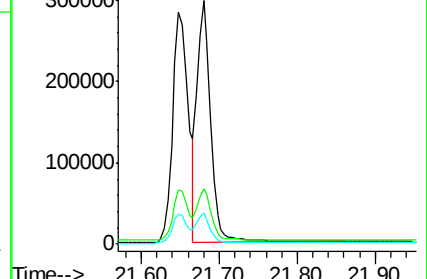
125 12.8 12.2 18.4

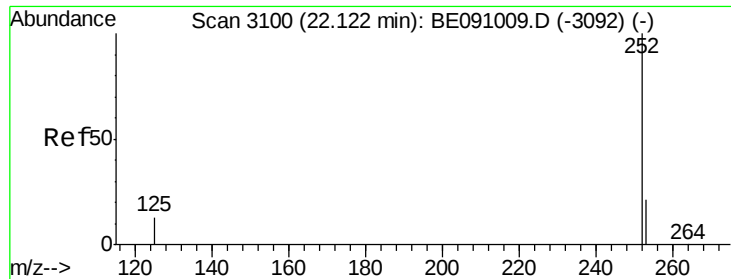


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.53 ng/ul

RT: 22.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

Instrument :

BNA_E

ClientSampleId :

SSTD3.278

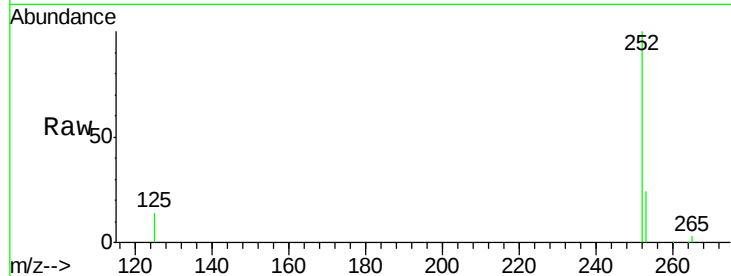
Tot Ion:252 Resp: 367735

Ion Ratio Lower Upper

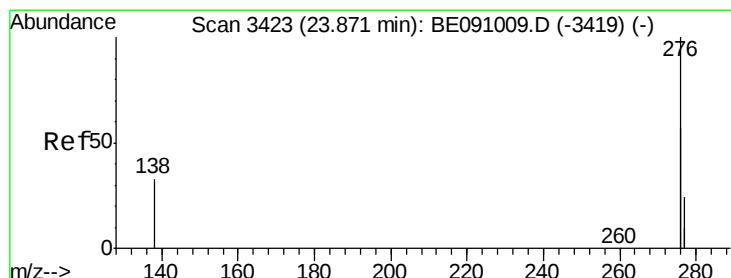
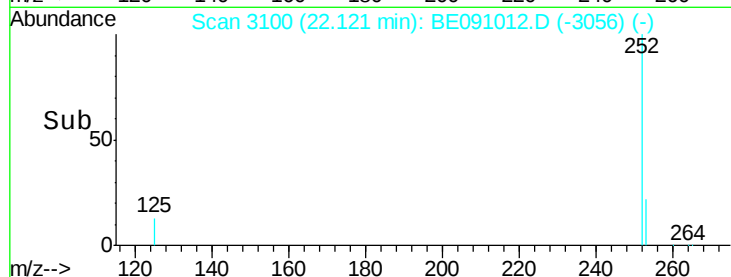
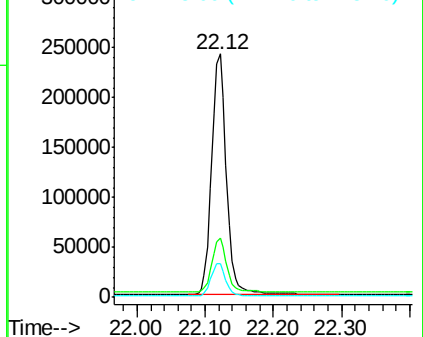
252 100

253 24.2 34.0 51.0#

125 13.9 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: 6.69 ng/ul

RT: 23.87 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE091012.D

Acq: 14 Oct 2015 19:58

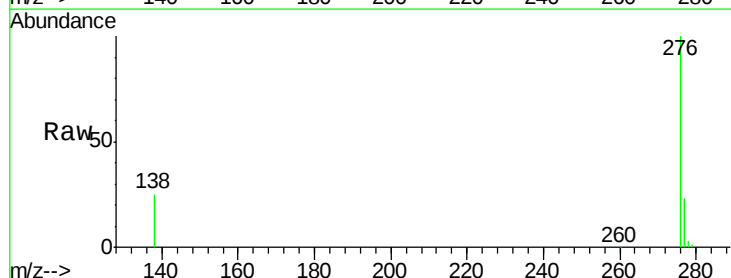
Tgt Ion:276 Resp: 1485861

Ion Ratio Lower Upper

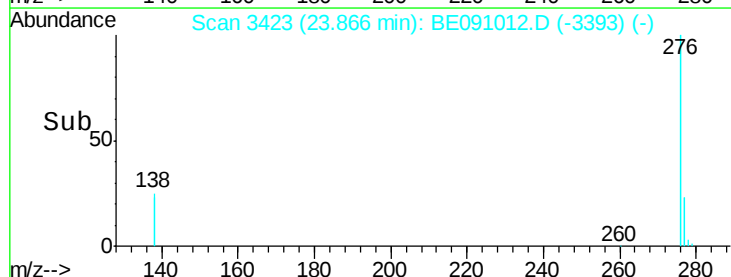
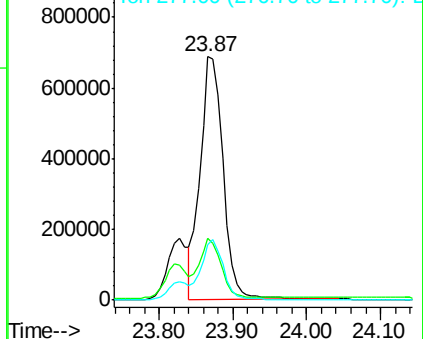
276 100

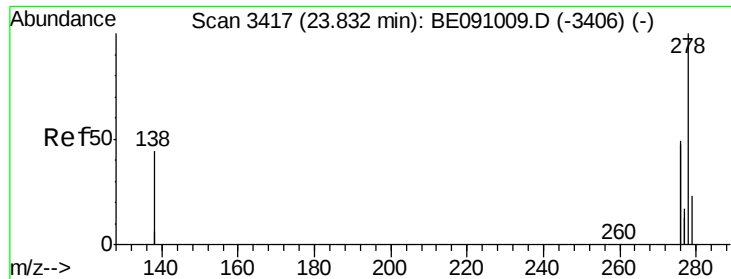
138 24.0 19.5 29.3

277 24.2 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

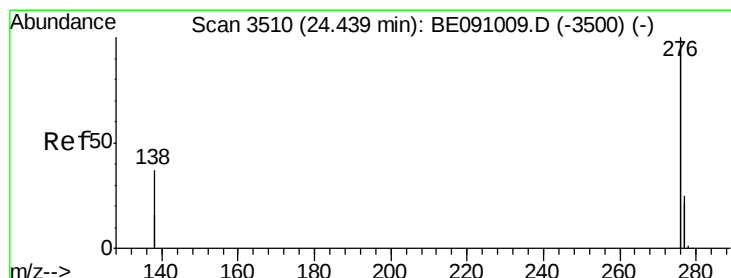
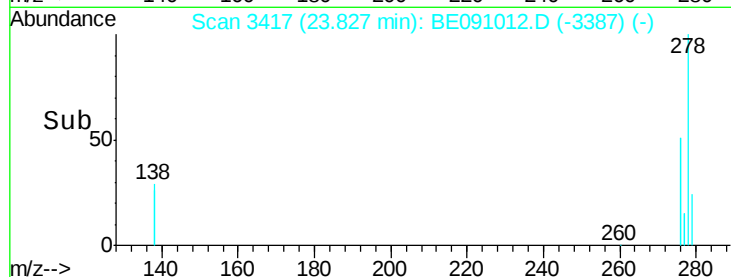
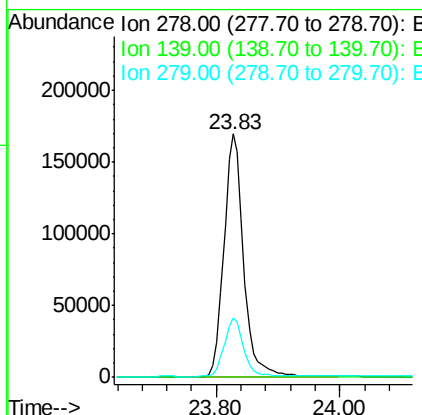
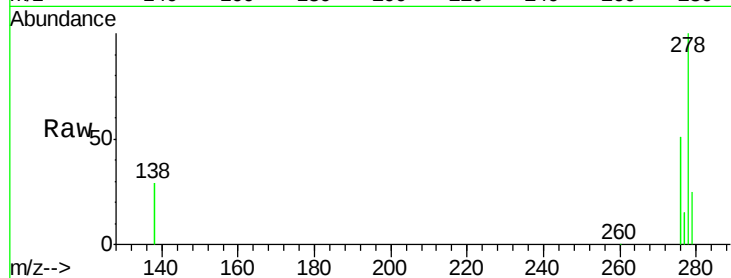




#25
Dibenzo(a,h)anthracene
Concen: 2.47 ng/ul
RT: 23.83 min Scan# 3417
Delta R.T. -0.01 min
Lab File: BE091012.D
Acq: 14 Oct 2015 19:58

Instrument :
BNA_E
ClientSampleId :
SSTD3.278

Tot Ion:278 Resp: 376922
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 24.5 22.1 33.1



#26
Benzo(g,h,i)perylene
Concen: 6.70 ng/ul
RT: 24.44 min Scan# 3511
Delta R.T. 0.00 min
Lab File: BE091012.D
Acq: 14 Oct 2015 19:58

Tgt Ion:276 Resp: 1576528
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.8
138 26.9 29.4 44.2#

