

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101415\
 Data File : BE091008.D
 Acq On : 14 Oct 2015 17:32
 Operator : UM/IZ
 Sample : SSTD0.274
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.274

Quant Time: Oct 15 05:35:00 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	5176	0.40	ng/ul	0.00
2) Naphthalene-d8	9.63	136	23736	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.45	164	13772	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.17	188	36556	0.40	ng/ul	0.01
16) Chrysene-d12	20.32	240	50493	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	49807	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.13	152	5675	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.16	212	19317	0.20	ng/ul	0.00

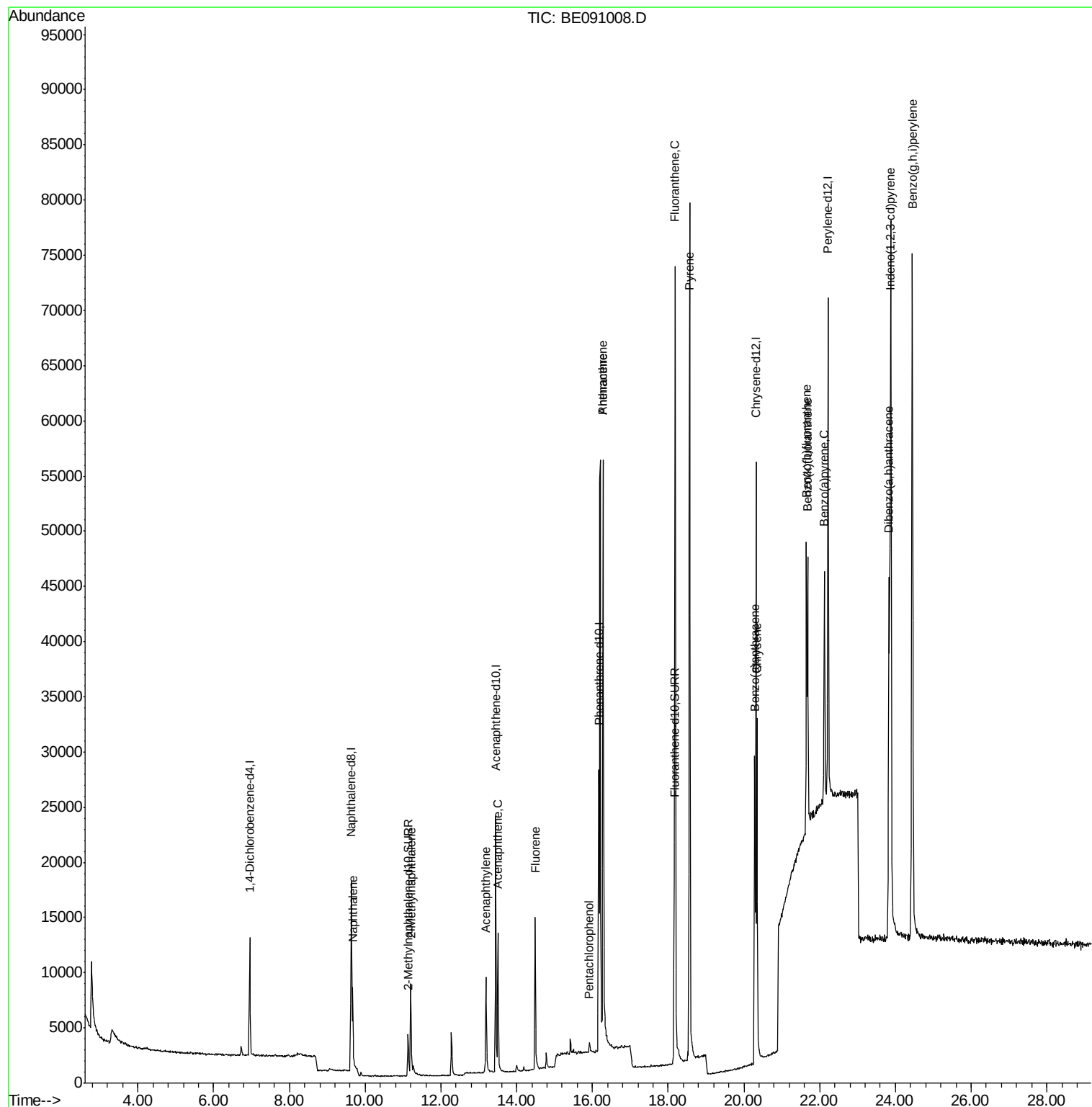
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.67	128	12325	0.21	ng/ul	98
5) 2-Methylnaphthalene	11.20	142	6514	0.18	ng/ul	99
7) Acenaphthylene	13.19	152	11020	0.05	ng/ul	98
8) Acenaphthene	13.51	153	7997	0.05	ng/ul	99
9) Fluorene	14.49	166	9877	0.18	ng/ul	95
11) Pentachlorophenol	15.92	266	979	0.20	ng/ul#	88
12) Phenanthrene	16.28	178	64227	0.44	ng/ul	97
13) Anthracene	16.28	178	69339	0.49	ng/ul	96
15) Fluoranthene	18.19	202	90510	0.51	ng/ul	98
17) Pyrene	18.56	202	93343	0.48	ng/ul	99
18) Benzo(a)anthracene	20.28	228	23703	0.18	ng/ul	97
19) Chrysene	20.35	228	25982	0.18	ng/ul	99
21) Benzo(b)fluoranthene	21.65	252	25068	0.17	ng/ul	79
22) Benzo(k)fluoranthene	21.68	252	26784	0.18	ng/ul#	76
23) Benzo(a)pyrene	22.12	252	25537	0.18	ng/ul#	72
24) Indeno(1,2,3-cd)pyrene	23.88	276	122498	0.57	ng/ul#	91
25) Dibenzo(a,h)anthracene	23.83	278	25083	0.17	ng/ul#	87
26) Benzo(g,h,i)perylene	24.45	276	105987	0.47	ng/ul#	89

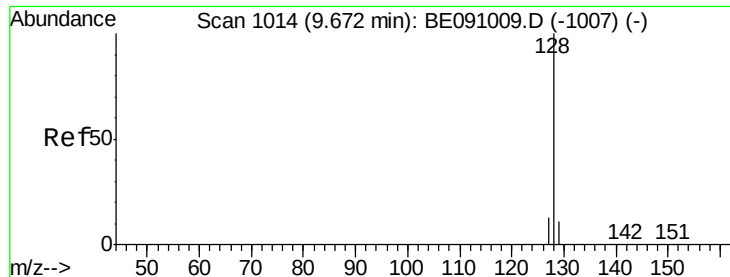
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.21 ng/ul

RT: 9.67 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.274

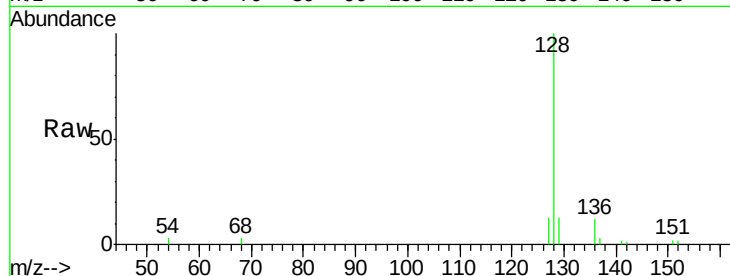
Tot Ion:128 Resp: 12325

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.4

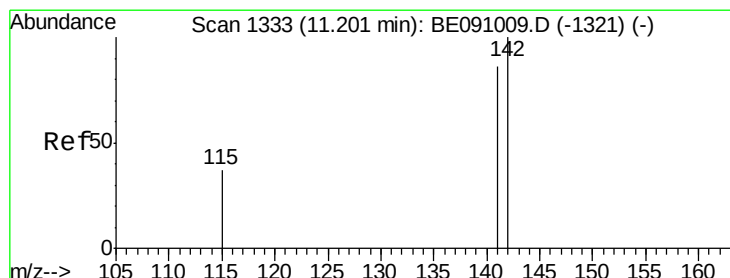
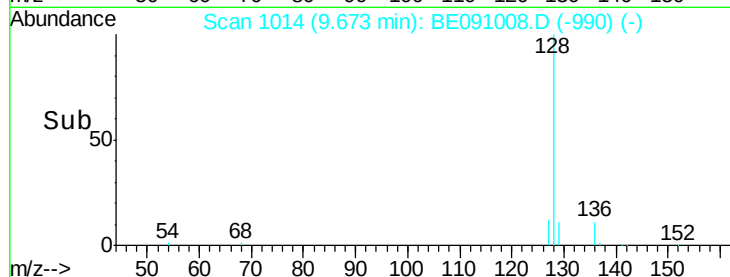
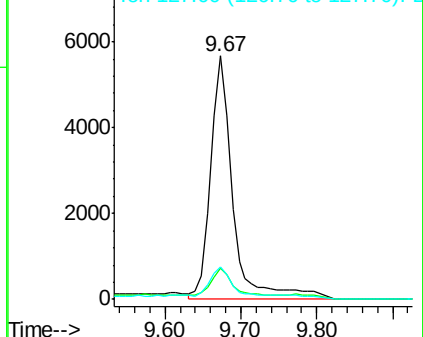
127 13.4 10.7 16.1



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: 0.18 ng/ul

RT: 11.20 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BE091008.D

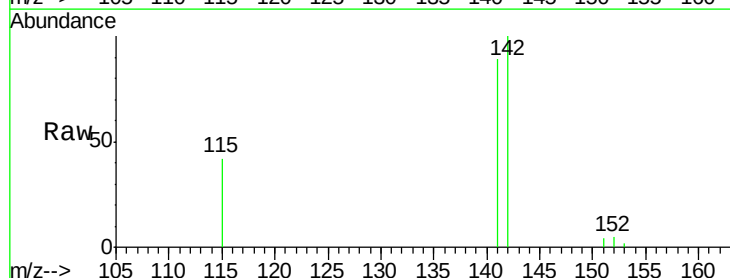
Acq: 14 Oct 2015 17:32

Tgt Ion:142 Resp: 6514

Ion Ratio Lower Upper

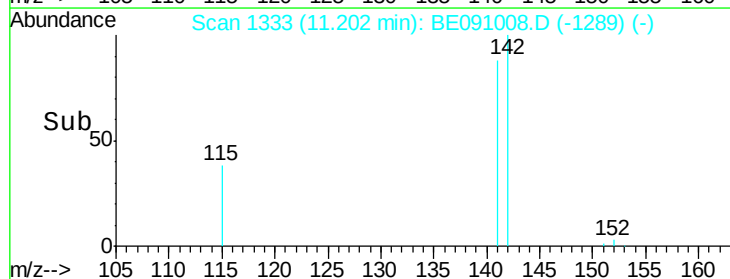
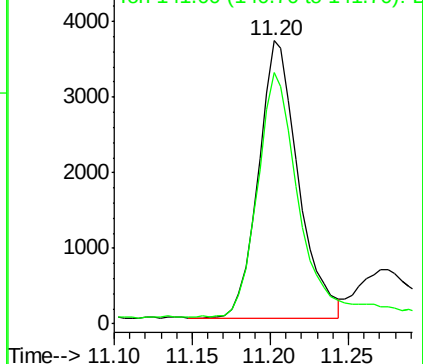
142 100

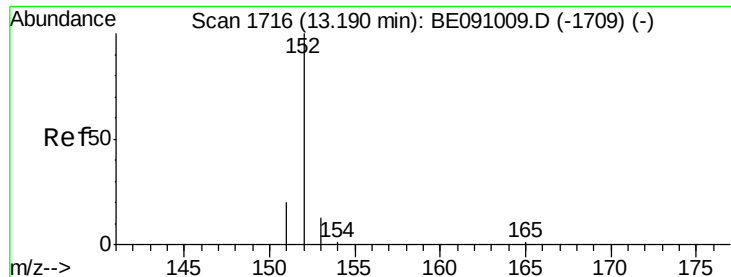
141 98.7 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.19 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.274

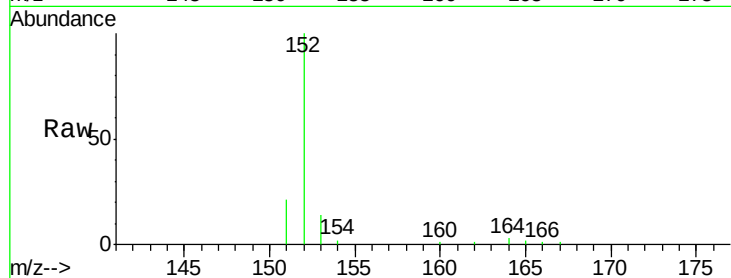
Tot Ion:152 Resp: 11020

Ion Ratio Lower Upper

152 100

151 21.2 16.6 24.8

153 14.3 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

13.19

6000

4000

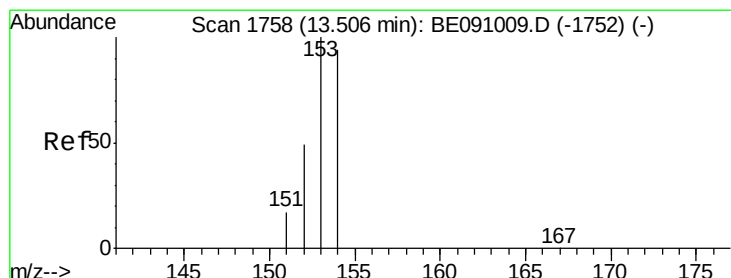
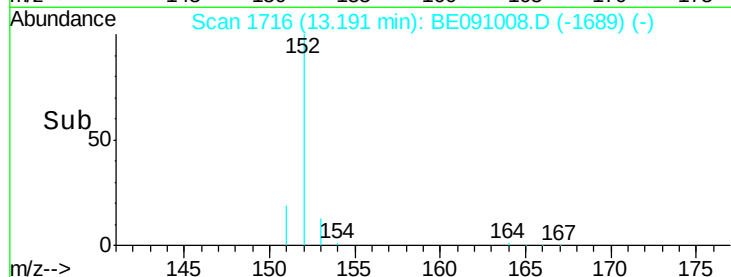
2000

0

13.20

13.40

Time-->



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 13.51 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

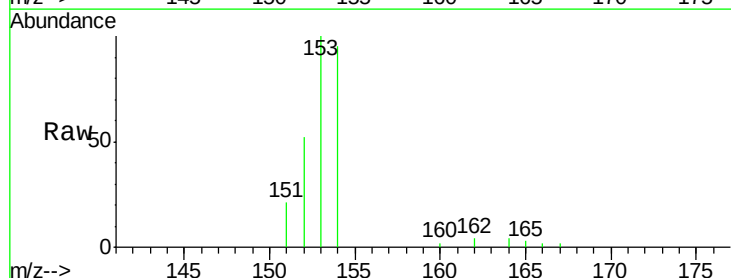
Tgt Ion:153 Resp: 7997

Ion Ratio Lower Upper

153 100

152 51.7 39.8 59.8

154 95.1 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

13.51

6000

5000

4000

3000

2000

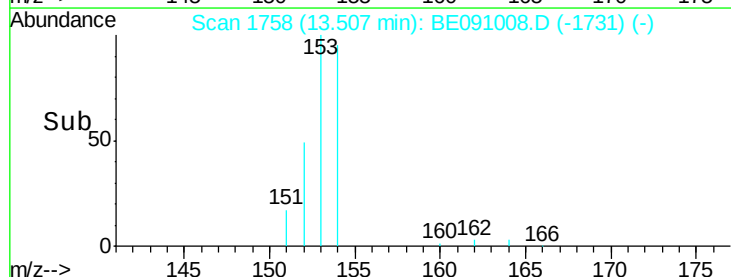
1000

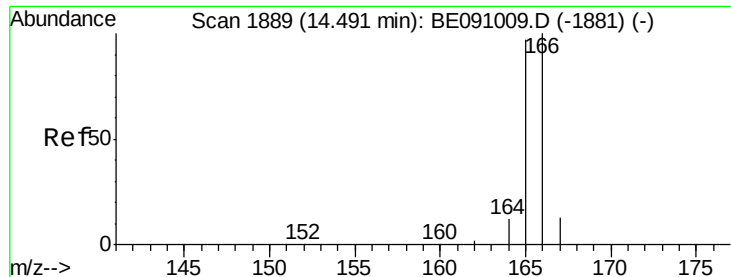
0

13.40

13.60

Time-->

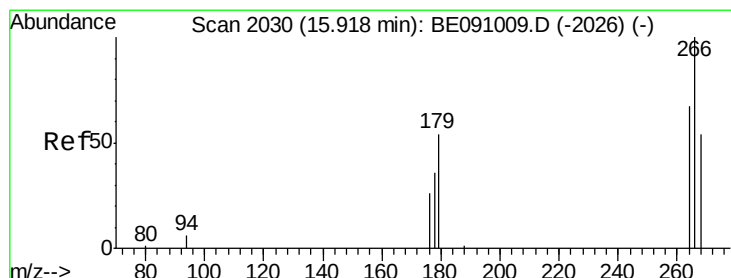
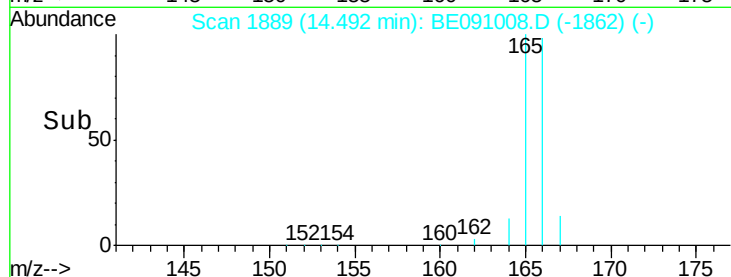
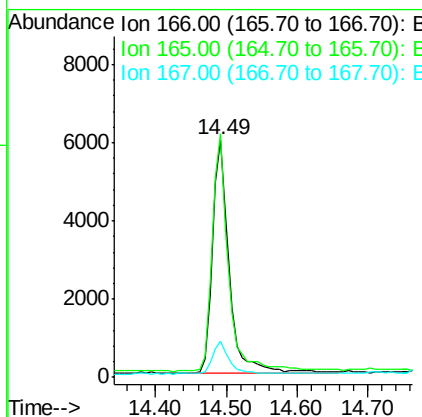
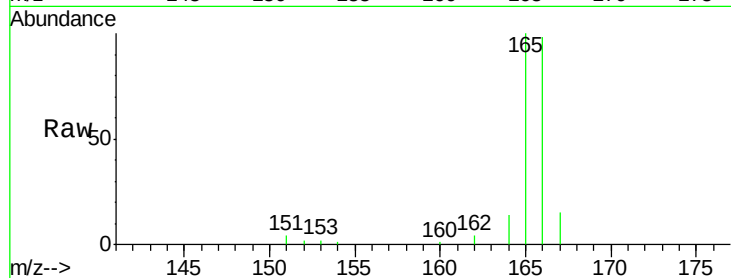




#9
Fluorene
 Concen: 0.18 ng/ul
 RT: 14.49 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

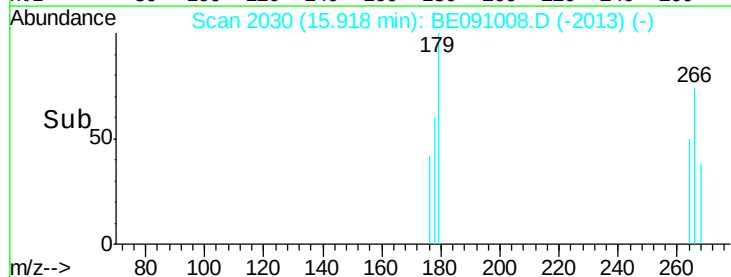
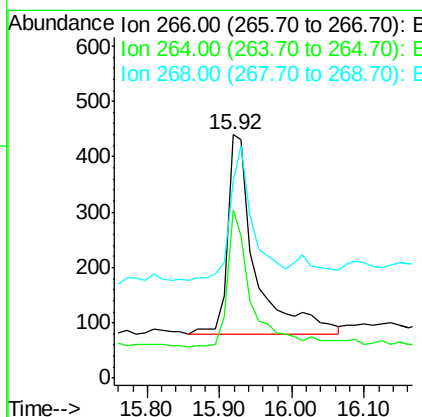
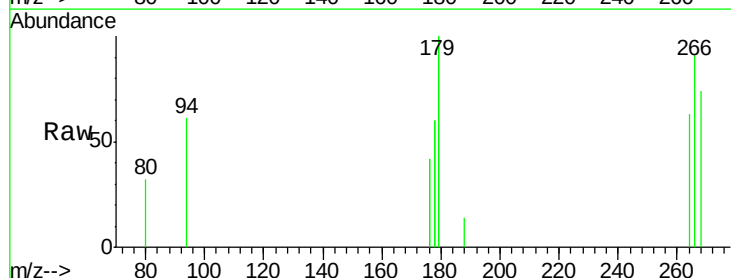
Instrument :
 BNA_E
 ClientSampleId :
 SST00.274

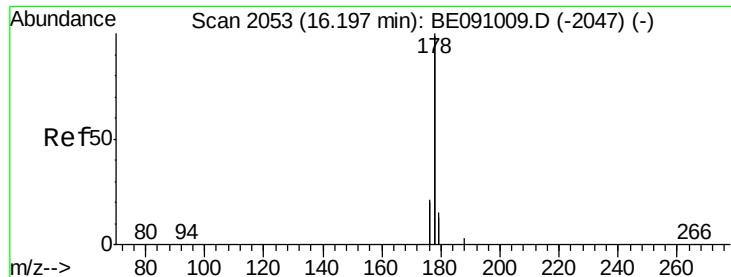
Tot Ion:166 Resp: 9877
 Ion Ratio Lower Upper
 166 100
 165 102.4 77.7 116.5
 167 15.3 10.9 16.3



#11
Pentachlorophenol
 Concen: 0.20 ng/ul
 RT: 15.92 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

Tgt Ion:266 Resp: 979
 Ion Ratio Lower Upper
 266 100
 264 59.8 50.7 76.1
 268 56.4 57.6 86.4#

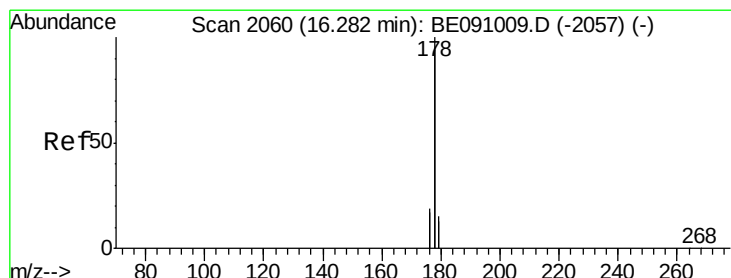
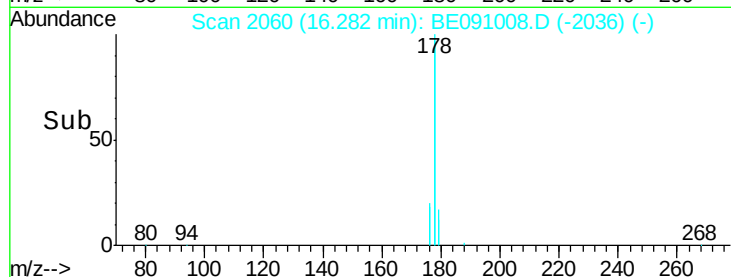
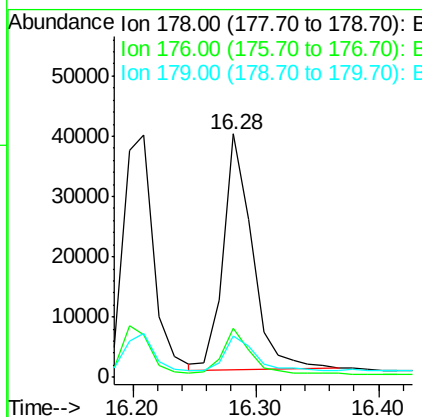
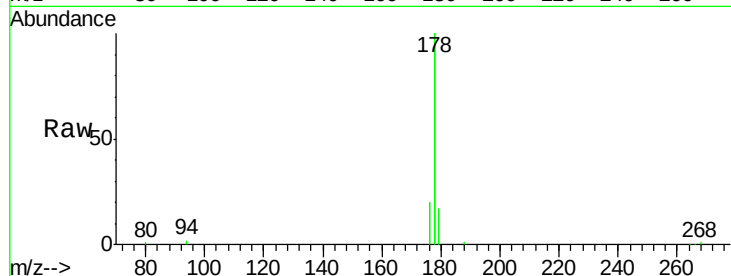




#12
 Phenanthrene
 Concen: 0.44 ng/ul
 RT: 16.28 min Scan# 2060
 Delta R.T. 0.09 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

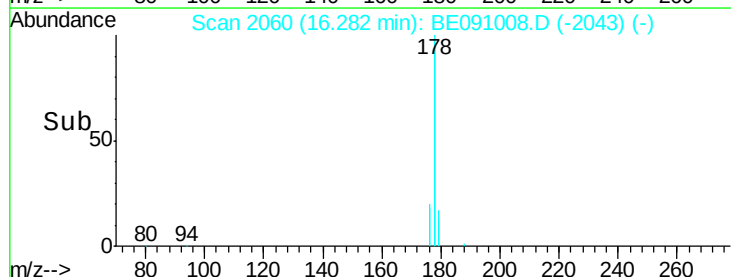
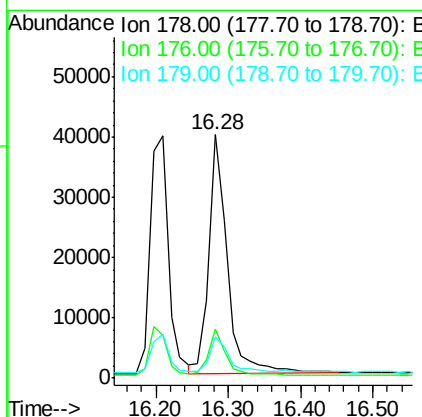
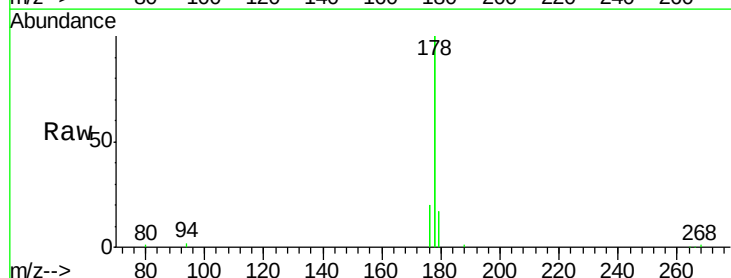
Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.274

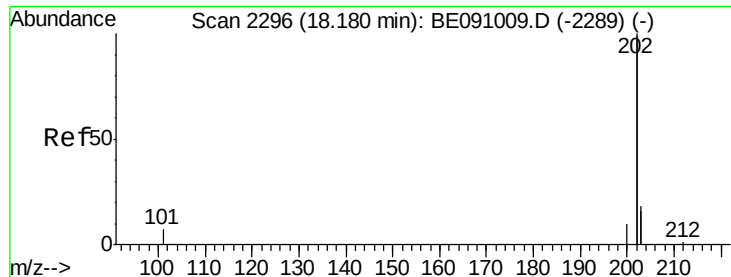
Tot Ion:178 Resp: 64227
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.9 25.3
 179 16.9 12.0 18.0



#13
 Anthracene
 Concen: 0.49 ng/ul
 RT: 16.28 min Scan# 2060
 Delta R.T. 0.00 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

Tgt Ion:178 Resp: 69339
 Ion Ratio Lower Upper
 178 100
 176 20.3 14.9 22.3
 179 16.9 12.3 18.5

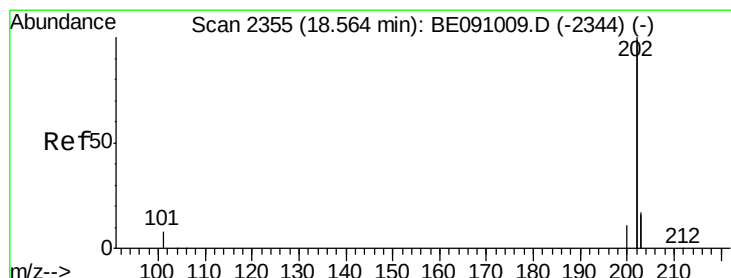
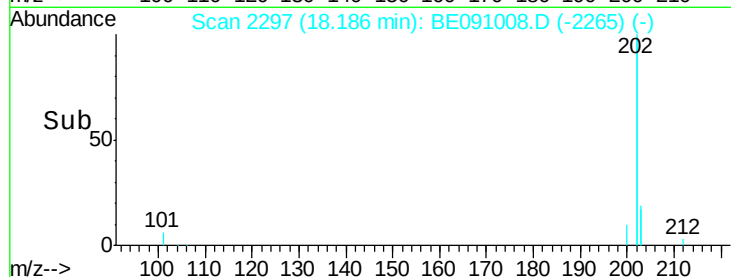
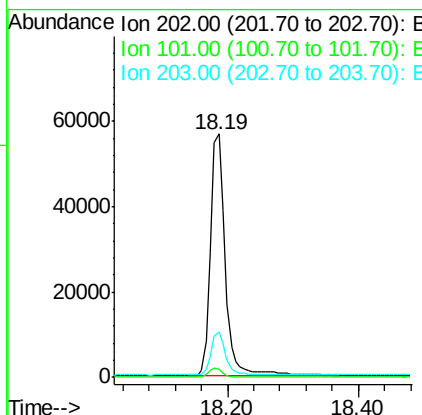
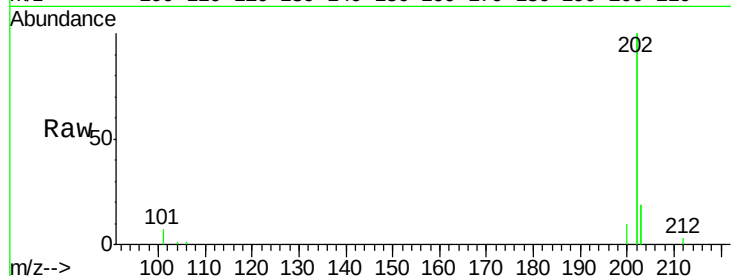




#15
Fluoranthene
 Concen: 0.51 ng/ul
 RT: 18.19 min Scan# 2297
 Delta R.T. 0.01 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

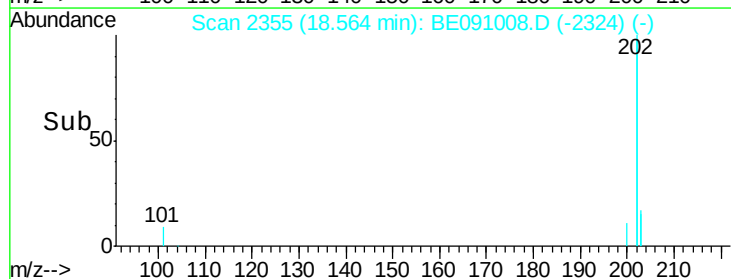
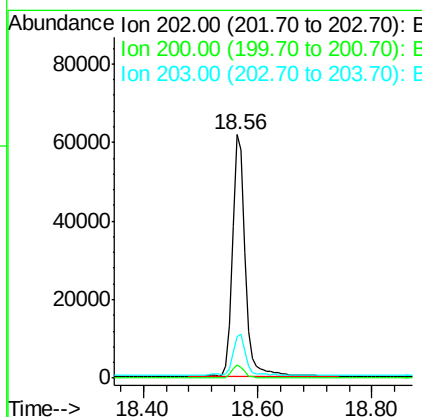
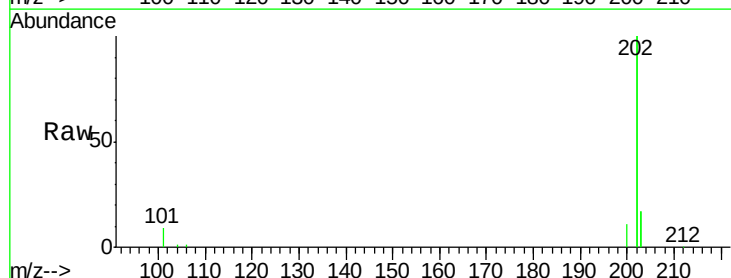
Instrument :
 BNA_E
 ClientSampleId :
 SST0.274

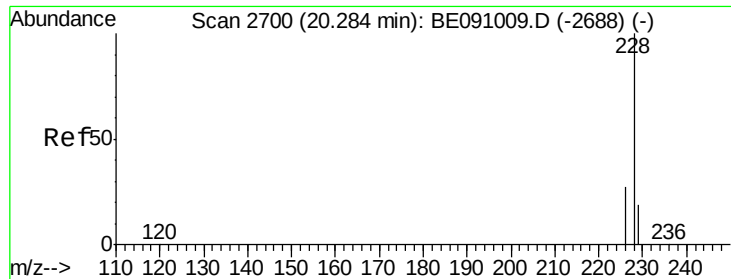
Tot Ion:202 Resp: 90510
 Ion Ratio Lower Upper
 202 100
 101 3.4 0.0 23.7
 203 18.6 0.0 37.5



#17
Pyrene
 Concen: 0.48 ng/ul
 RT: 18.56 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BE091008.D
 Acq: 14 Oct 2015 17:32

Tgt Ion:202 Resp: 93343
 Ion Ratio Lower Upper
 202 100
 200 5.7 4.3 6.5
 203 17.2 13.9 20.9





#18

Benzo(a)anthracene

Concen: 0.18 ng/ul

RT: 20.28 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.274

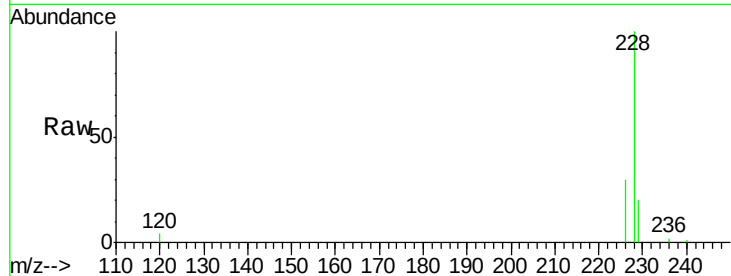
Tot Ion:228 Resp: 23703

Ion Ratio Lower Upper

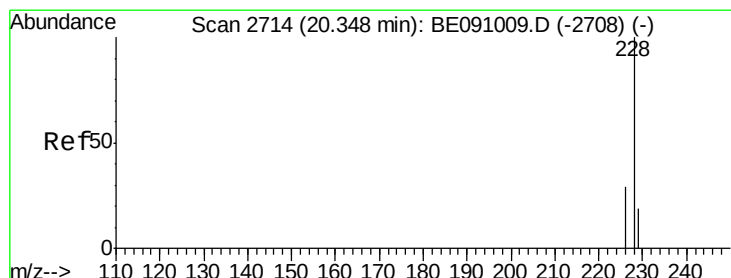
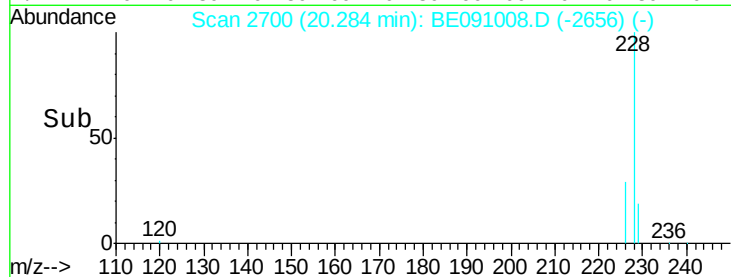
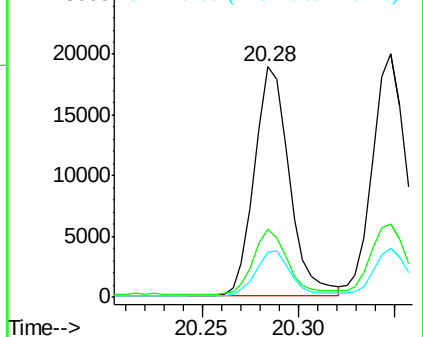
228 100

226 29.9 22.1 33.1

229 19.6 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: 0.18 ng/ul

RT: 20.35 min Scan# 2714

Delta R.T. -0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

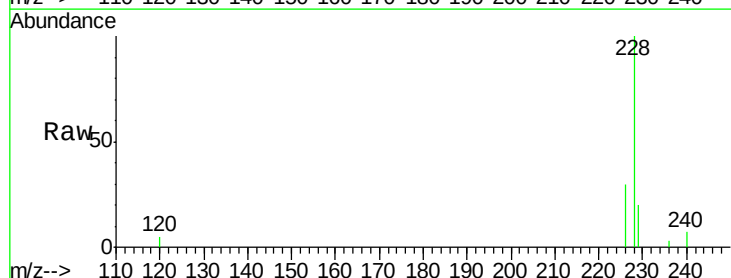
Tgt Ion:228 Resp: 25982

Ion Ratio Lower Upper

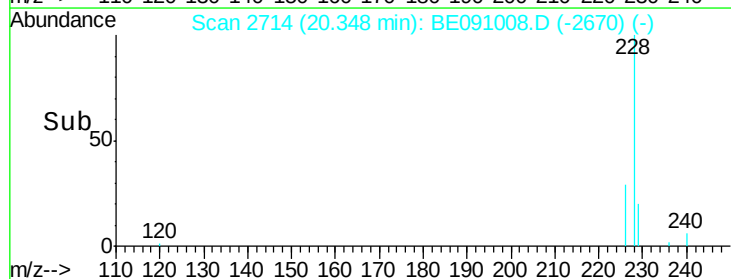
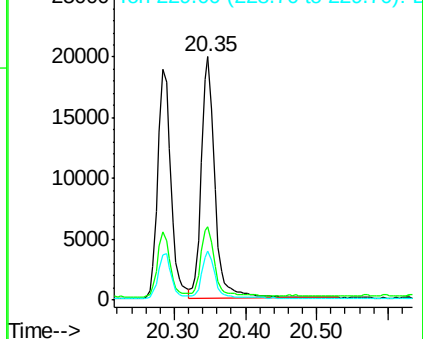
228 100

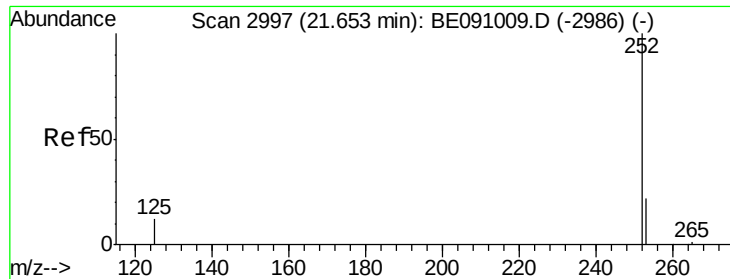
226 30.1 23.6 35.4

229 20.2 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: 0.17 ng/ul

RT: 21.65 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

Instrument :

BNA_E

ClientSampleId :

SSTD0.274

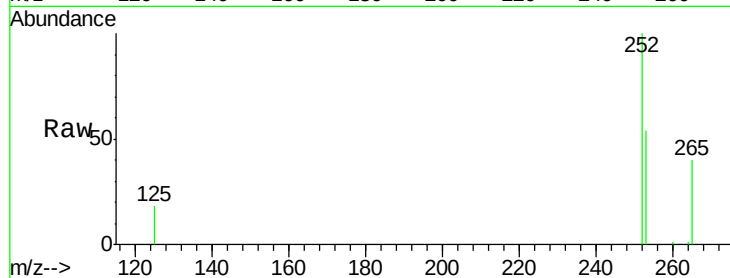
Tot Ion:252 Resp: 25068

Ion Ratio Lower Upper

252 100

253 54.3 0.0 76.2

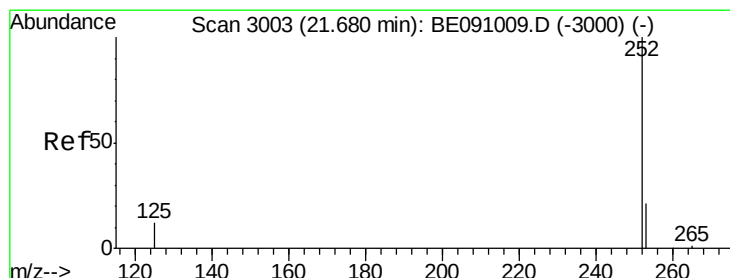
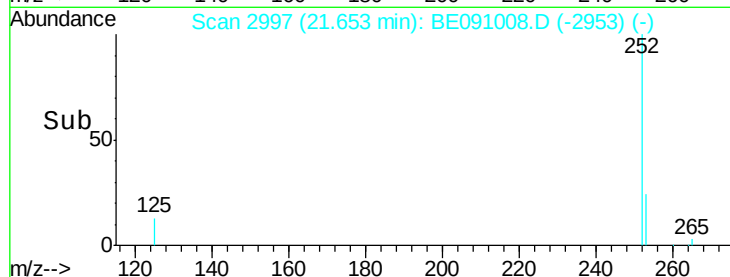
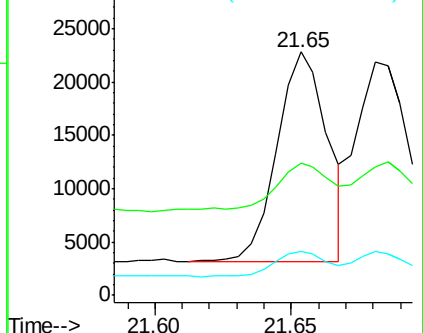
125 18.2 0.0 31.2



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: 0.18 ng/ul

RT: 21.68 min Scan# 3003

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

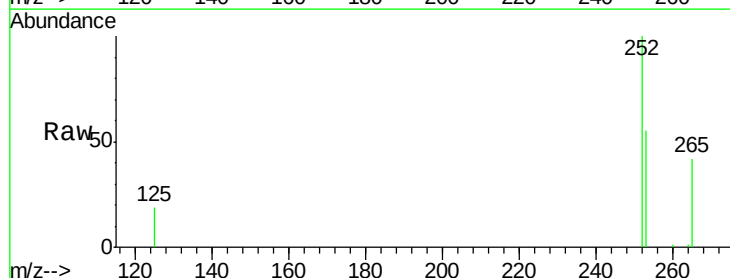
Tgt Ion:252 Resp: 26784

Ion Ratio Lower Upper

252 100

253 55.2 29.8 44.6#

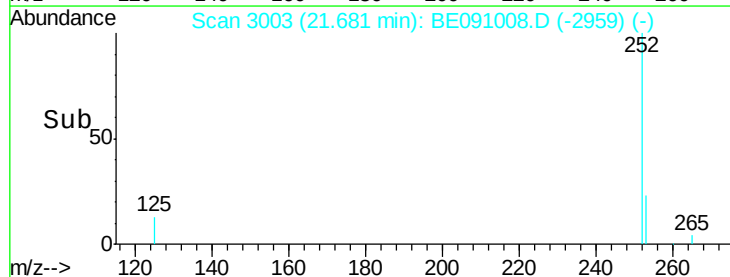
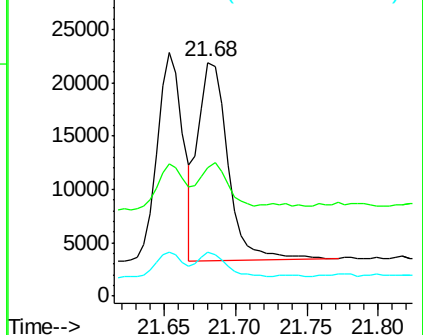
125 18.7 12.2 18.4#

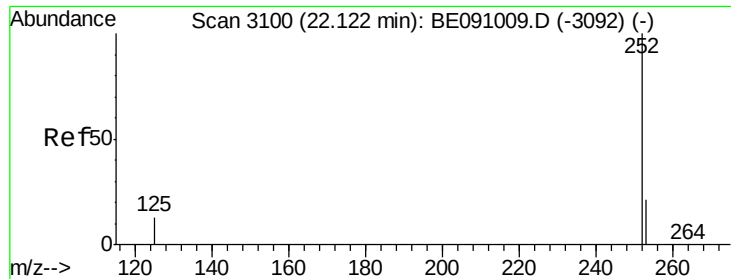


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.18 ng/ul

RT: 22.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

Instrument :

BNA_E

ClientSampleID :

SSTD0.274

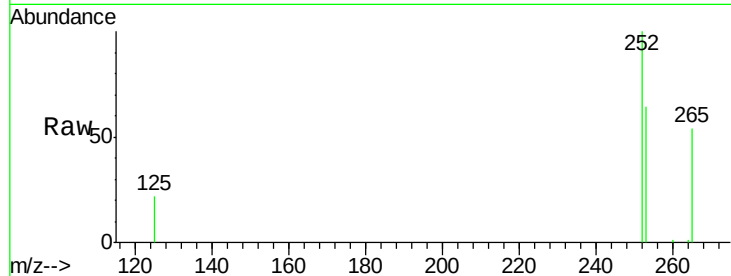
Tot Ion:252 Resp: 25537

Ion Ratio Lower Upper

252 100

253 64.5 34.0 51.0#

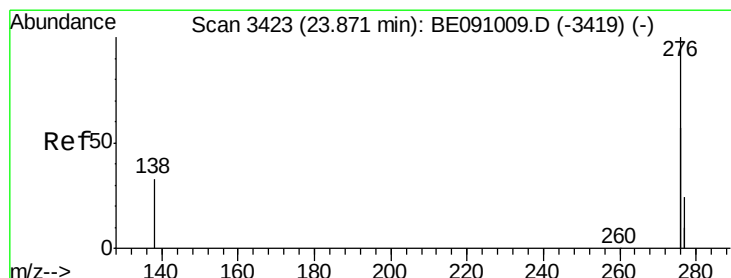
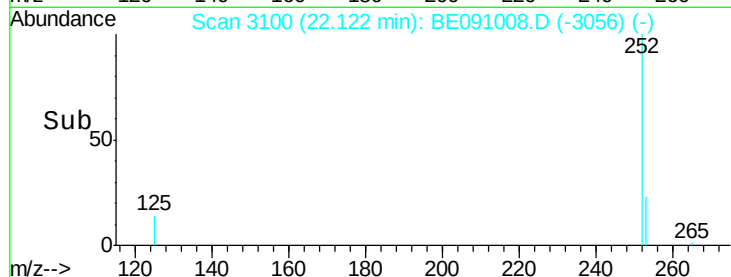
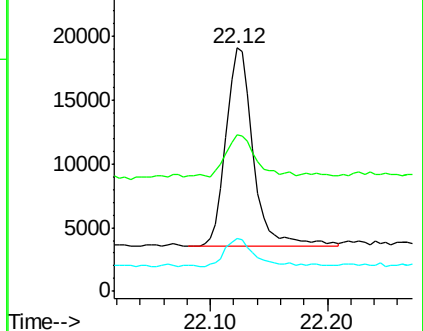
125 21.7 13.6 20.4#



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: 0.57 ng/ul

RT: 23.88 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BE091008.D

Acq: 14 Oct 2015 17:32

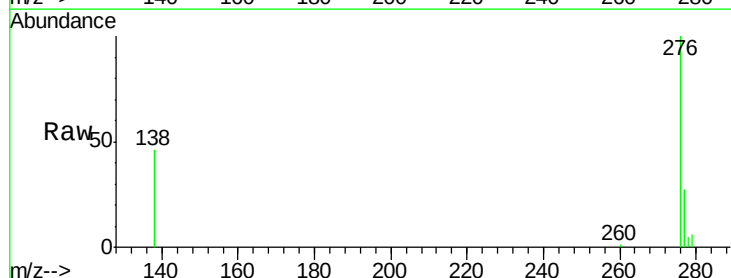
Tgt Ion:276 Resp: 122498

Ion Ratio Lower Upper

276 100

138 20.3 19.5 29.3

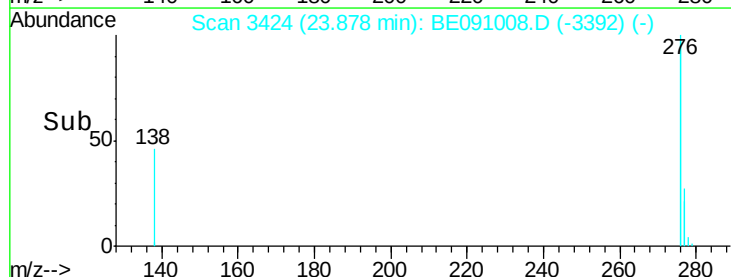
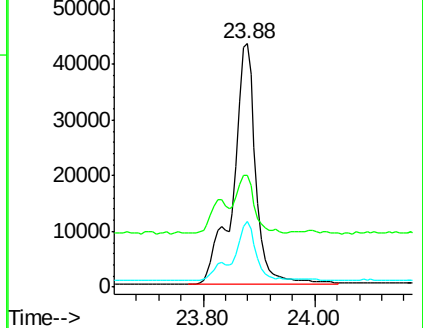
277 18.9 19.4 29.0#

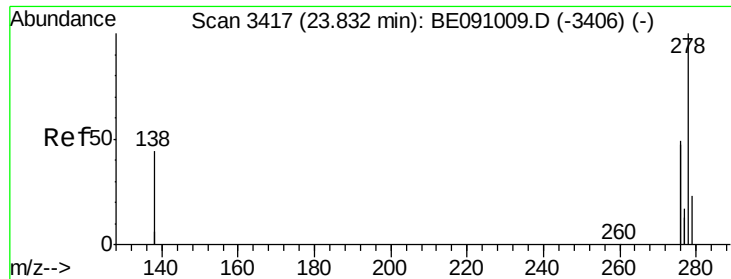


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

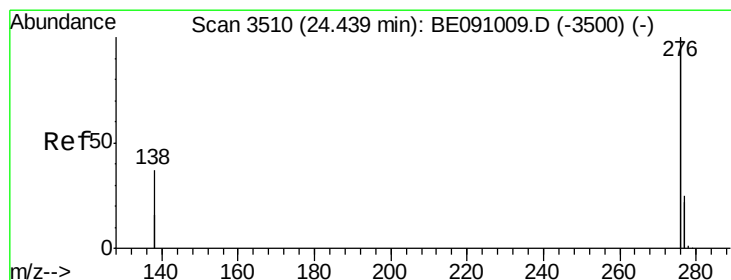
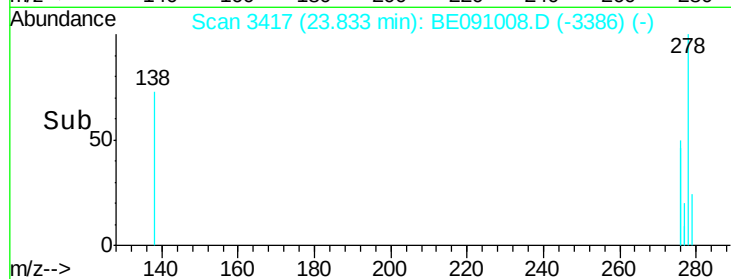
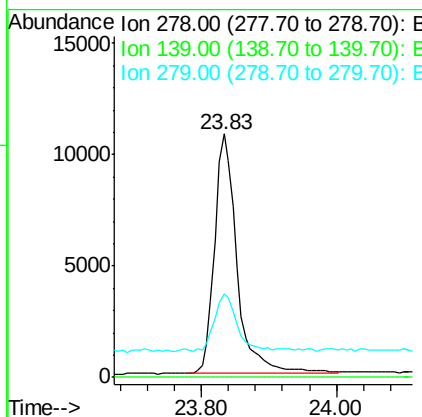
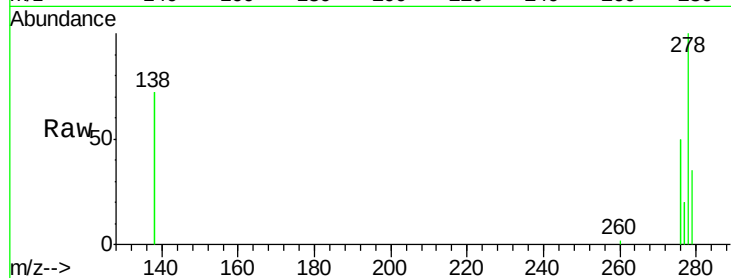




#25
Dibenzo(a,h)anthracene
Concen: 0.17 ng/ul
RT: 23.83 min Scan# 3417
Delta R.T. 0.00 min
Lab File: BE091008.D
Acq: 14 Oct 2015 17:32

Instrument :
BNA_E
ClientSampleId :
SSTD0.274

Tot Ion:278 Resp: 25083
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 34.6 22.1 33.1#



#26
Benzo(g,h,i)perylene
Concen: 0.47 ng/ul
RT: 24.45 min Scan# 3511
Delta R.T. 0.01 min
Lab File: BE091008.D
Acq: 14 Oct 2015 17:32

Tgt Ion:276 Resp: 105987
Ion Ratio Lower Upper
276 100
277 24.5 19.8 29.8
138 47.2 29.4 44.2#

