

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101415\
 Data File : BE091011.D
 Acq On : 14 Oct 2015 19:22
 Operator : UM/IZ
 Sample : SSTD1.677
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1.677

Quant Time: Oct 15 05:35:35 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	5980	0.40	ng/ul	0.00
2) Naphthalene-d8	9.62	136	28971	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.44	164	16257	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	40282	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	52997	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	53413	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.13	152	49216	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	140794	1.31	ng/ul	0.00

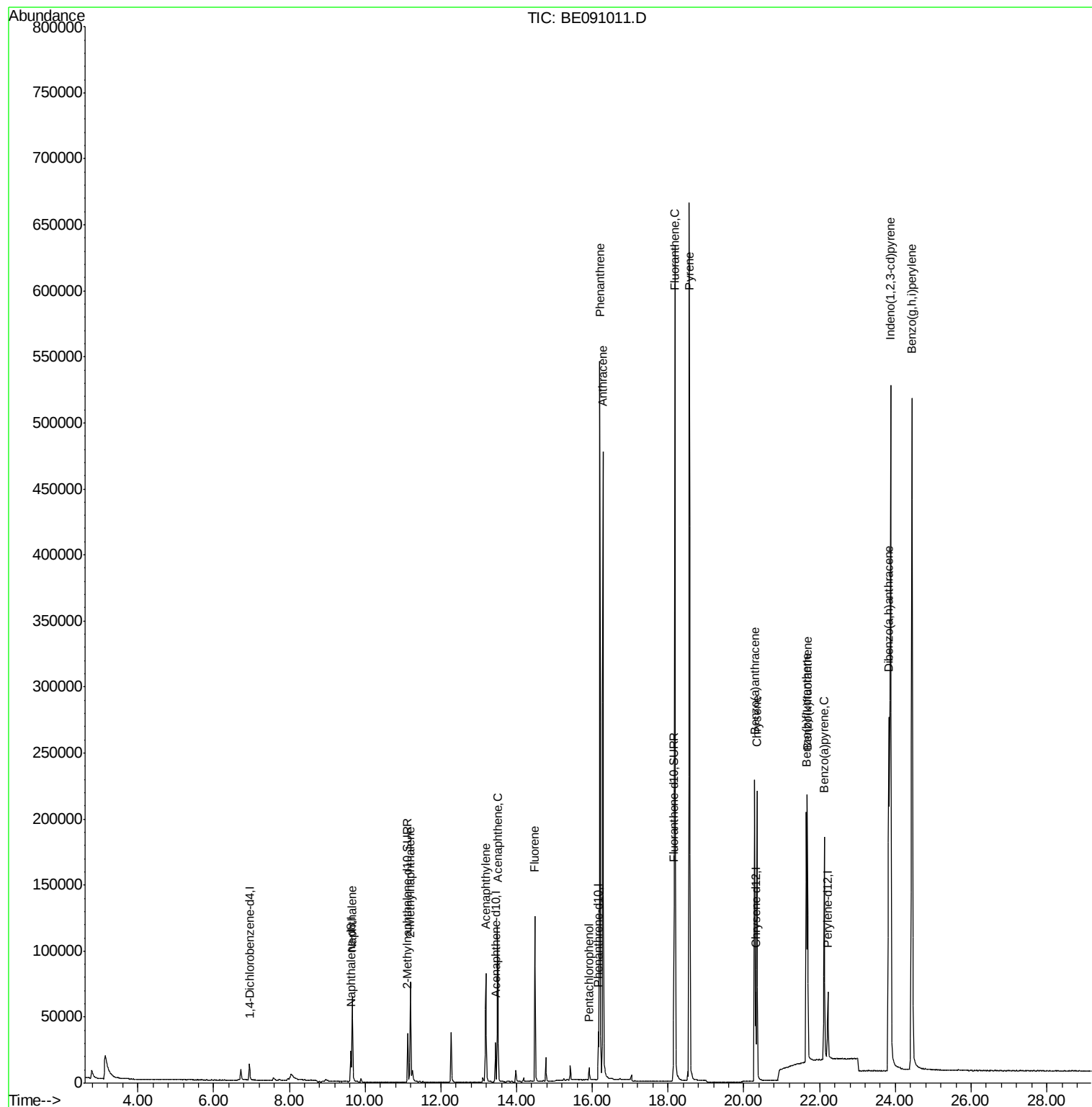
Target Compounds						Ovalue
3) Naphthalene	9.66	128	92944	1.31	ng/ul	100
5) 2-Methylnaphthalene	11.20	142	57539	1.27	ng/ul	96
7) Acenaphthylene	13.18	152	91869	0.35	ng/ul	99
8) Acenaphthene	13.50	153	65098	0.35	ng/ul	98
9) Fluorene	14.49	166	79733	1.22	ng/ul	99
11) Pentachlorophenol	15.92	266	7066	1.34	ng/ul	96
12) Phenanthrene	16.20	178	545248	3.35	ng/ul	98
13) Anthracene	16.28	178	531740	3.39	ng/ul	99
15) Fluoranthene	18.18	202	673860	3.41	ng/ul	100
17) Pyrene	18.56	202	682774	3.33	ng/ul	99
18) Benzo(a)anthracene	20.28	228	177415	1.26	ng/ul	99
19) Chrysene	20.34	228	184979	1.24	ng/ul	98
21) Benzo(b)fluoranthene	21.65	252	195745	1.22	ng/ul	83
22) Benzo(k)fluoranthene	21.68	252	187643	1.21	ng/ul#	84
23) Benzo(a)pyrene	22.12	252	188464	1.26	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	23.87	276	746005	3.25	ng/ul	100
25) Dibenzo(a,h)anthracene	23.83	278	192174	1.22	ng/ul	95
26) Benzo(g,h,i)perylene	24.44	276	798540	3.29	ng/ul#	90

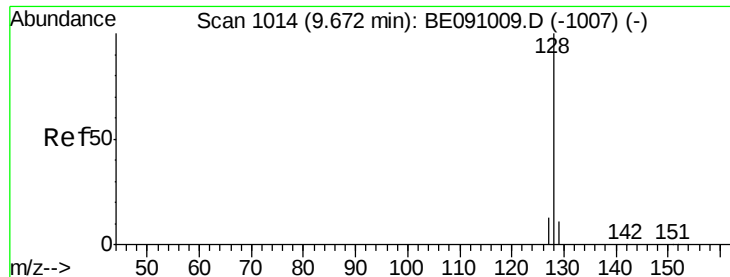
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.31 ng/ul

RT: 9.66 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

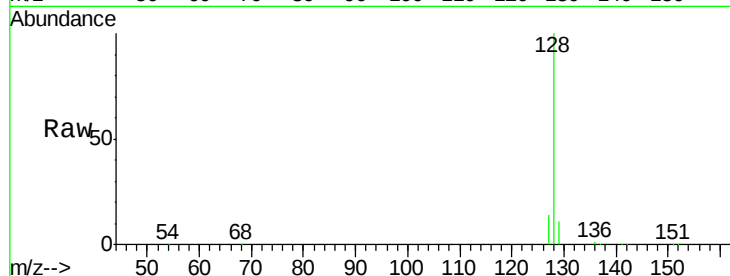
Tot Ion:128 Resp: 92944

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

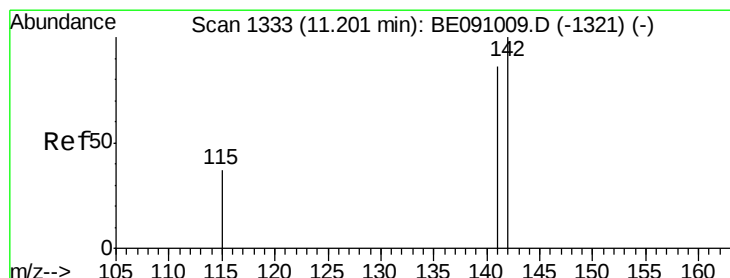
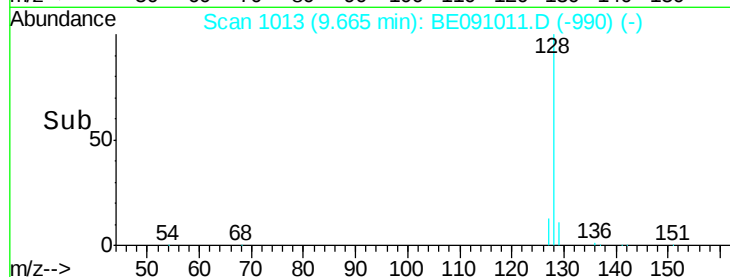
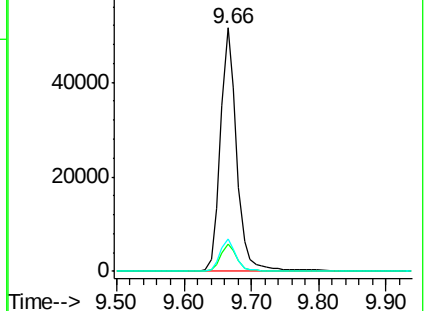
127 13.5 10.7 16.1



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: 1.27 ng/ul

RT: 11.20 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BE091011.D

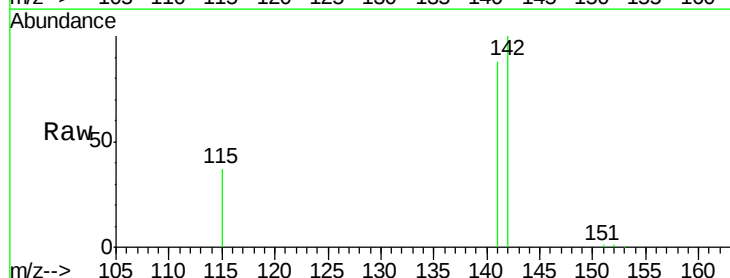
Acq: 14 Oct 2015 19:22

Tgt Ion:142 Resp: 57539

Ion Ratio Lower Upper

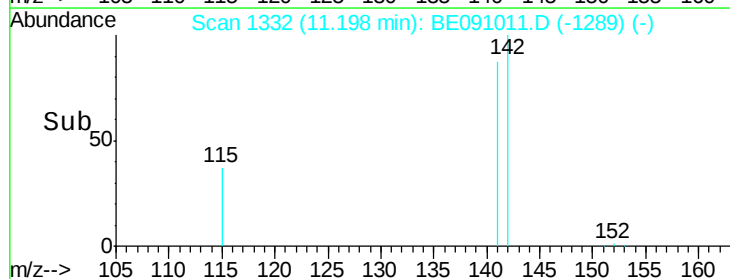
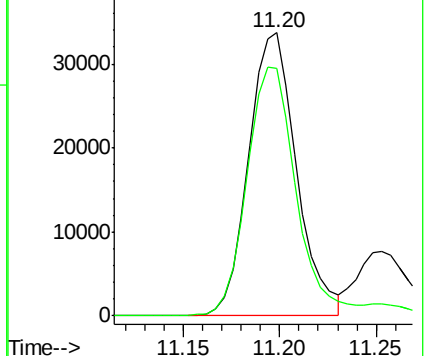
142 100

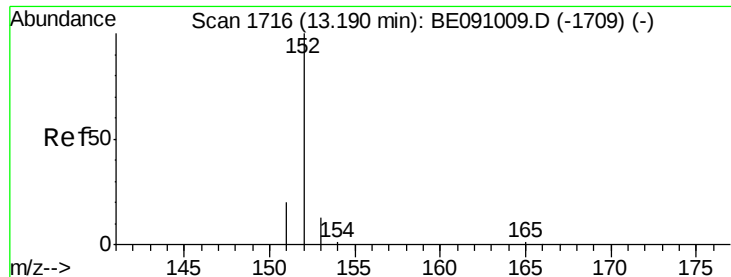
141 95.1 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.35 ng/ul

RT: 13.18 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

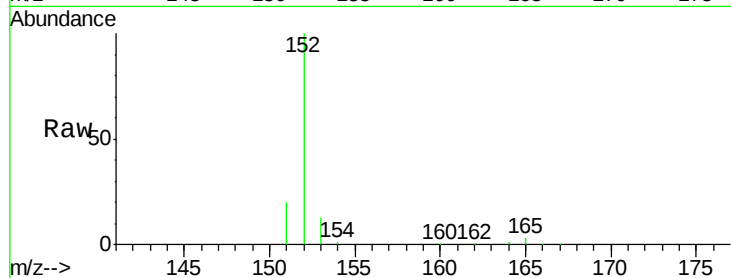
Tot Ion:152 Resp: 91869

Ion Ratio Lower Upper

152 100

151 20.2 16.6 24.8

153 13.1 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

80000

60000

40000

20000

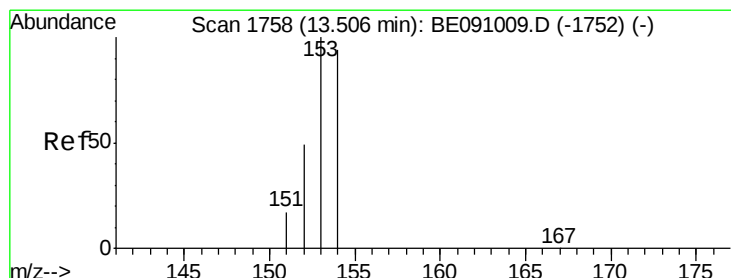
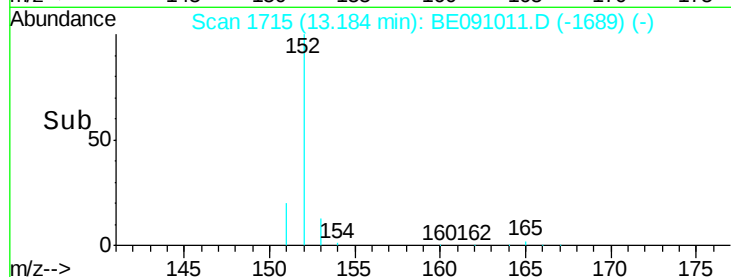
0

13.18

13.20

13.40

Time-->



#8

Acenaphthene

Concen: 0.35 ng/ul

RT: 13.50 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

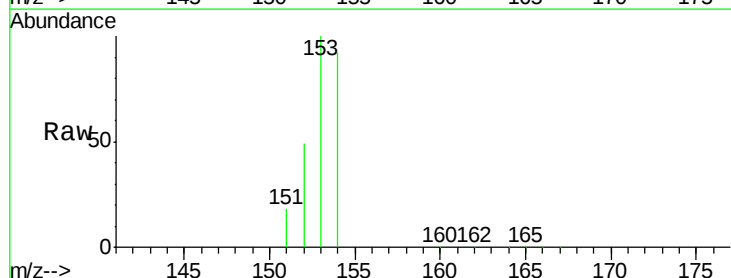
Tgt Ion:153 Resp: 65098

Ion Ratio Lower Upper

153 100

152 48.5 39.8 59.8

154 92.0 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

60000

50000

40000

30000

20000

10000

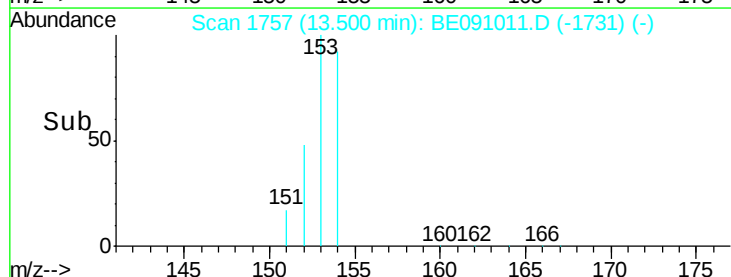
0

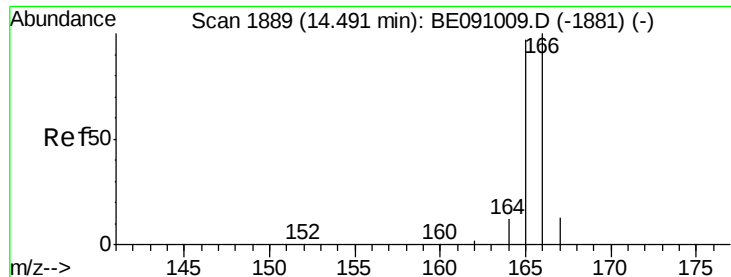
13.50

13.40

13.60

Time-->





#9

Fluorene

Concen: 1.22 ng/ul

RT: 14.49 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

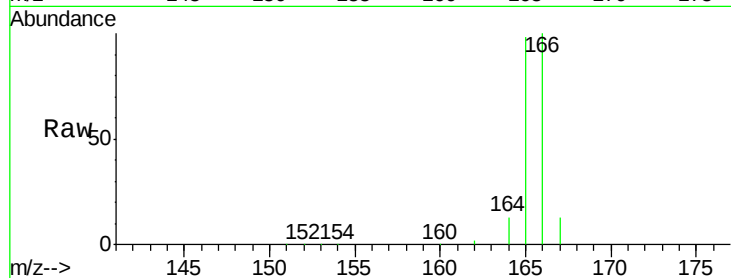
Tot Ion:166 Resp: 79733

Ion Ratio Lower Upper

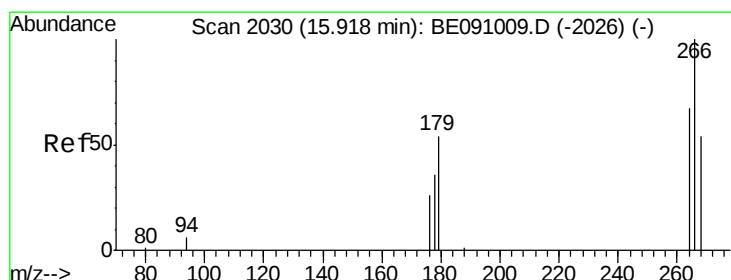
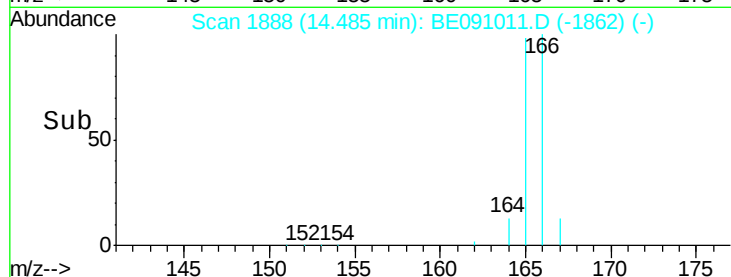
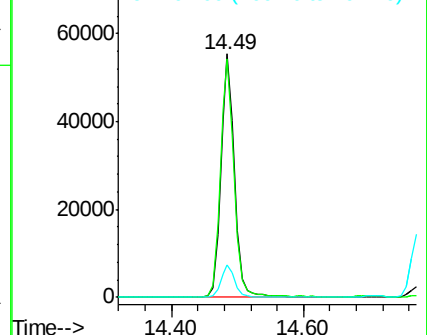
166 100

165 97.9 77.7 116.5

167 13.5 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: 1.34 ng/ul

RT: 15.92 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

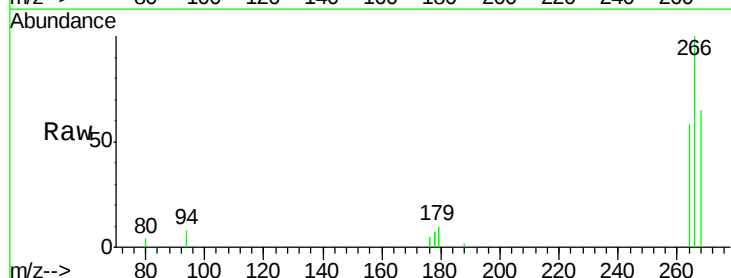
Tgt Ion:266 Resp: 7066

Ion Ratio Lower Upper

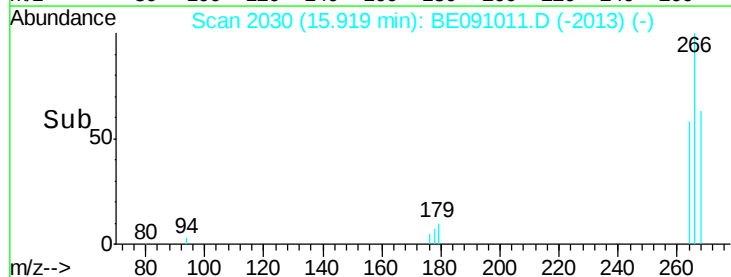
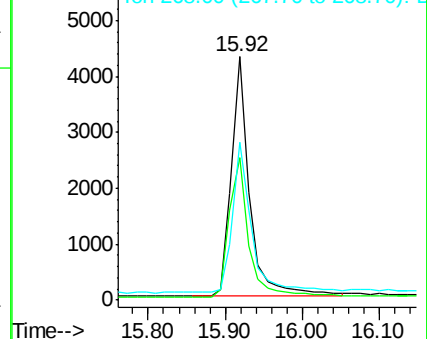
266 100

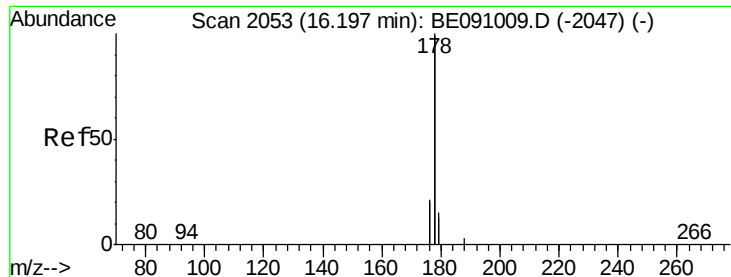
264 62.0 50.7 76.1

268 66.7 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: 3.35 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

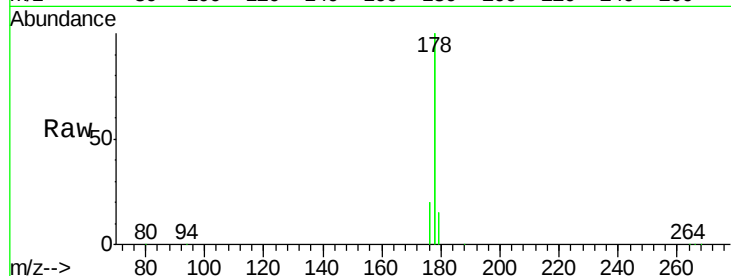
Tot Ion:178 Resp: 545248

Ion Ratio Lower Upper

178 100

176 19.6 16.9 25.3

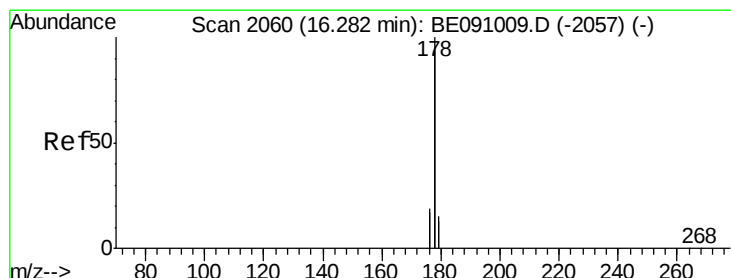
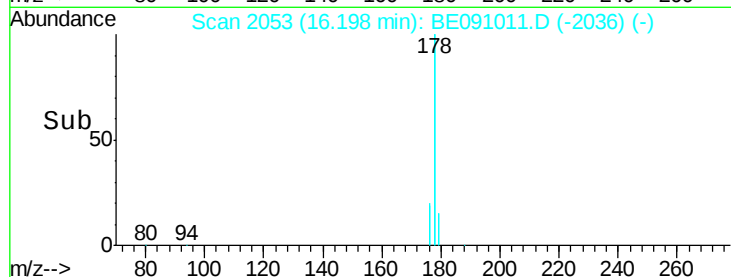
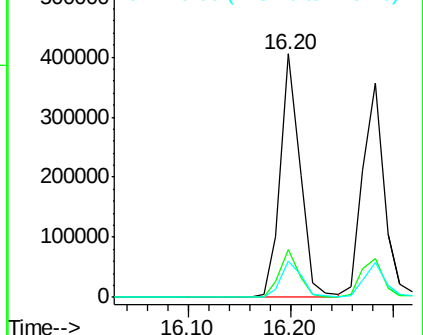
179 15.0 12.0 18.0



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: 3.39 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

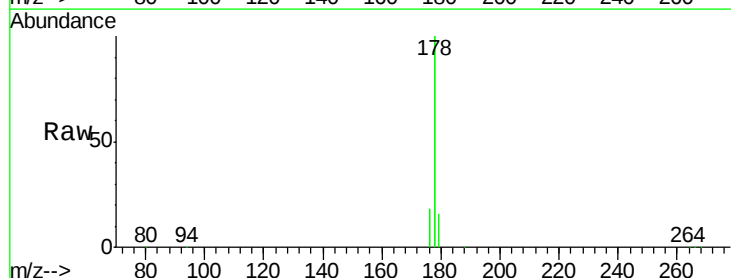
Tgt Ion:178 Resp: 531740

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

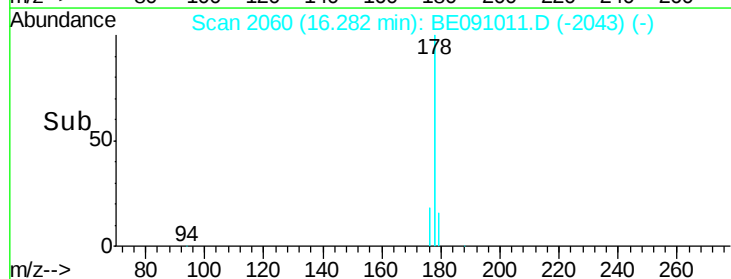
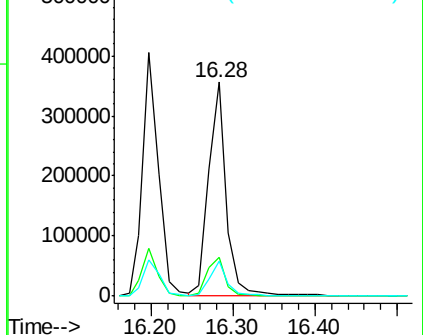
179 16.1 12.3 18.5

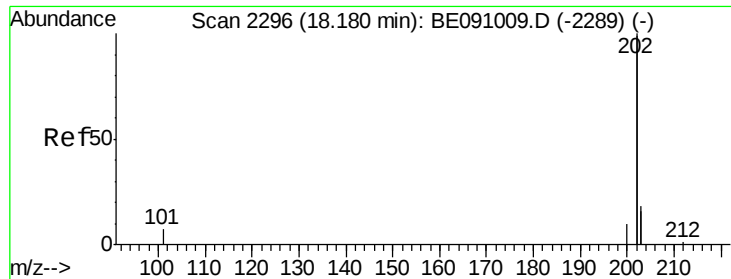


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

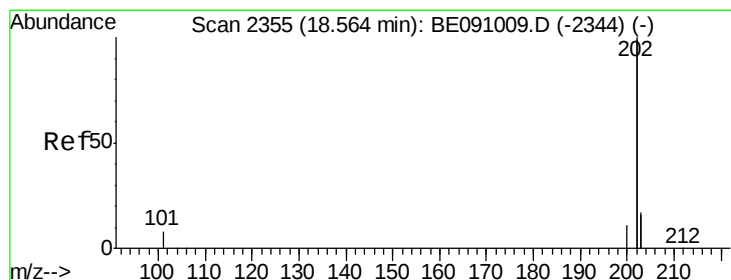
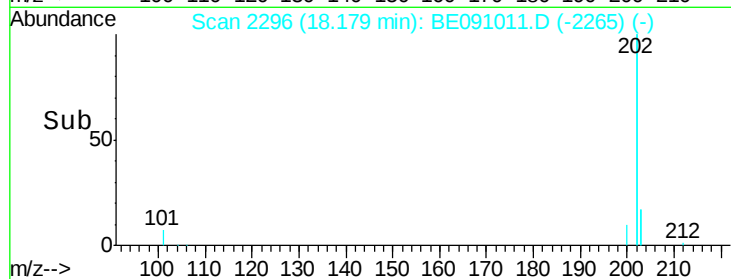
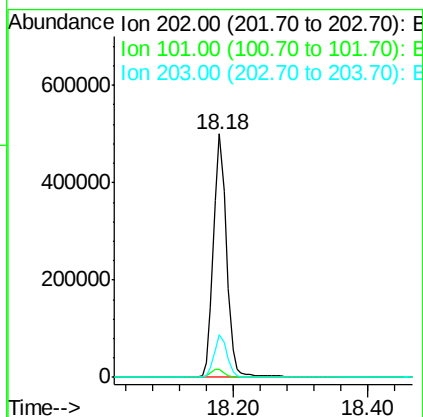
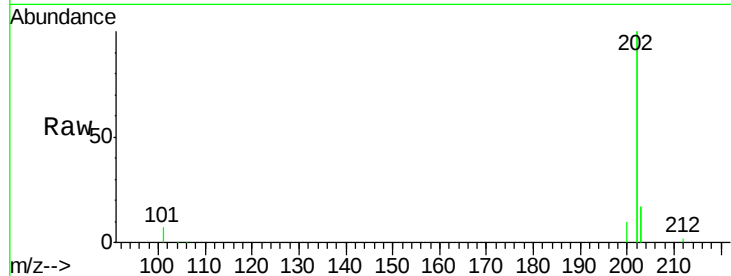




#15
Fluoranthene
 Concen: 3.41 ng/ul
 RT: 18.18 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BE091011.D
 Acq: 14 Oct 2015 19:22

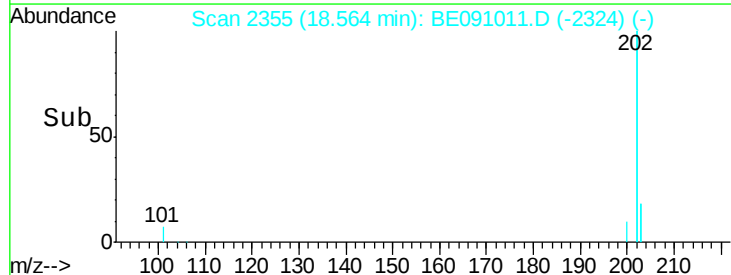
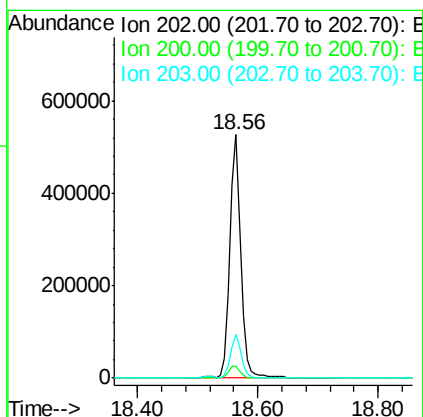
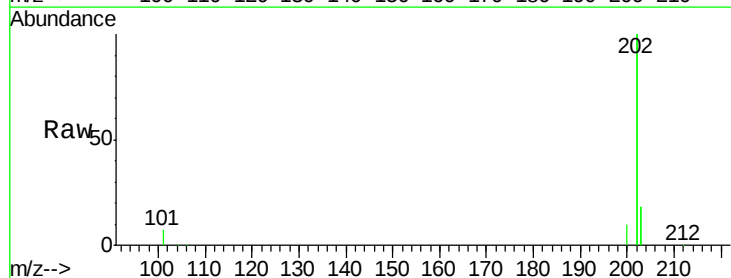
Instrument :
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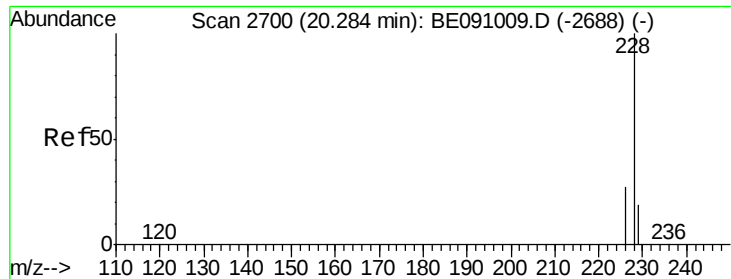
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	23.7
203	17.5	0.0	37.5



#17
Pyrene
 Concen: 3.33 ng/ul
 RT: 18.56 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BE091011.D
 Acq: 14 Oct 2015 19:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.3	6.5
203	17.8	13.9	20.9





#18

Benzo(a)anthracene

Concen: 1.26 ng/ul

RT: 20.28 min Scan# 2700

Delta R.T. -0.00 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

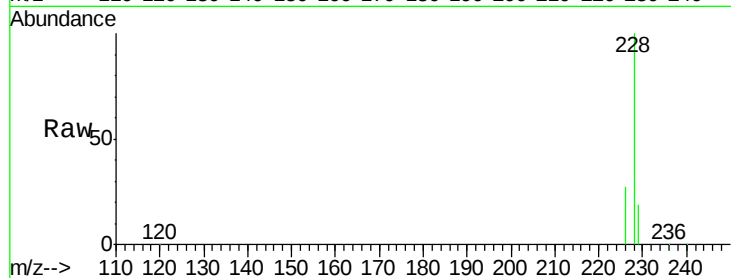
Tot Ion:228 Resp: 177415

Ion Ratio Lower Upper

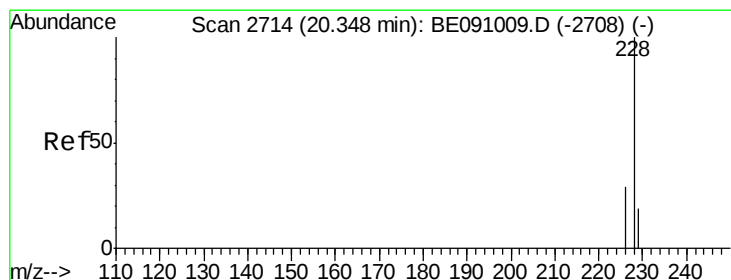
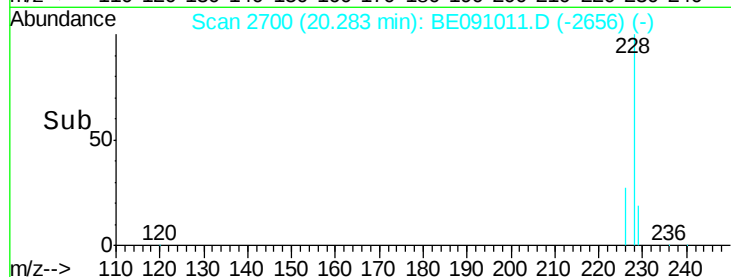
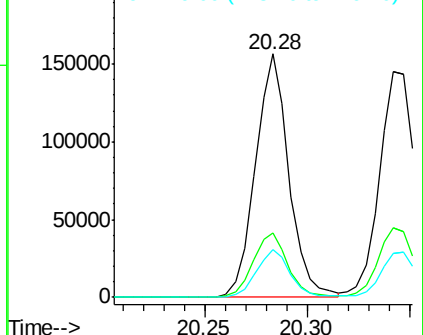
228 100

226 26.7 22.1 33.1

229 19.5 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: 1.24 ng/ul

RT: 20.34 min Scan# 2713

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

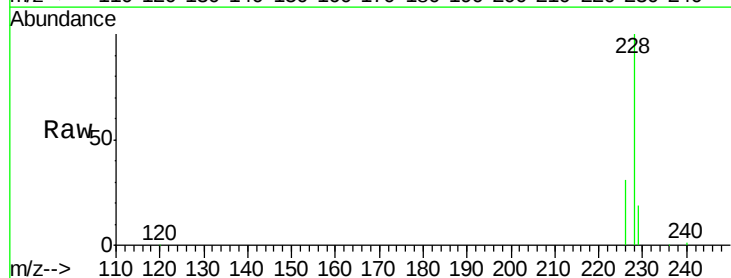
Tgt Ion:228 Resp: 184979

Ion Ratio Lower Upper

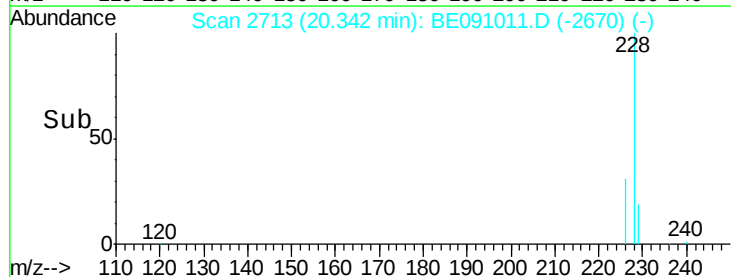
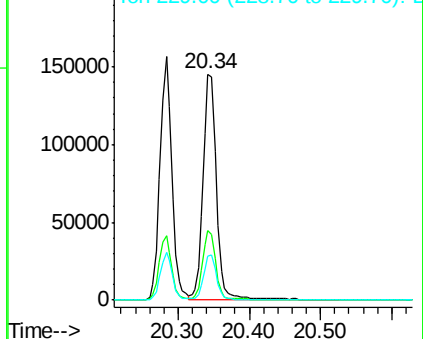
228 100

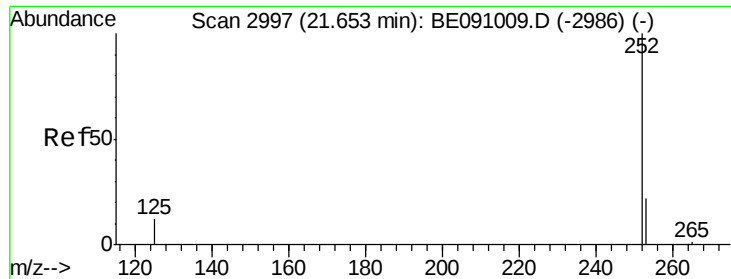
226 31.0 23.6 35.4

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: 1.22 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.01 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

Instrument :

BNA_E

ClientSampleId :

SSTD1.677

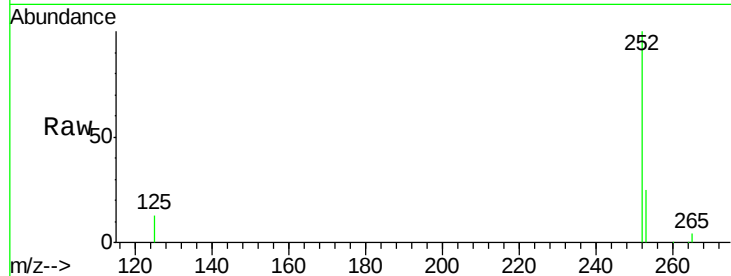
Tot Ion:252 Resp: 195745

Ion Ratio Lower Upper

252 100

253 24.7 0.0 76.2

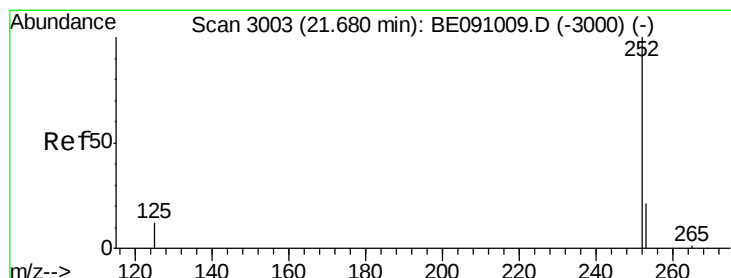
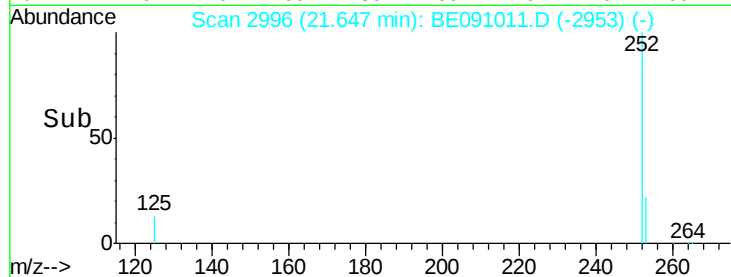
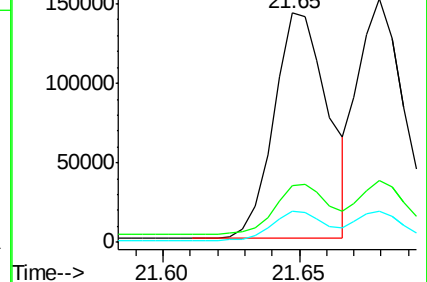
125 13.4 0.0 31.2



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: 1.21 ng/ul

RT: 21.68 min Scan# 3003

Delta R.T. -0.00 min

Lab File: BE091011.D

Acq: 14 Oct 2015 19:22

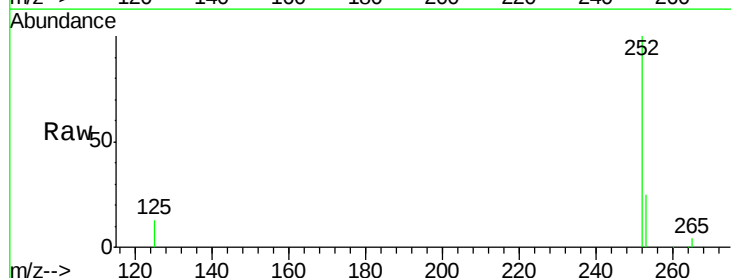
Tgt Ion:252 Resp: 187643

Ion Ratio Lower Upper

252 100

253 25.3 29.8 44.6#

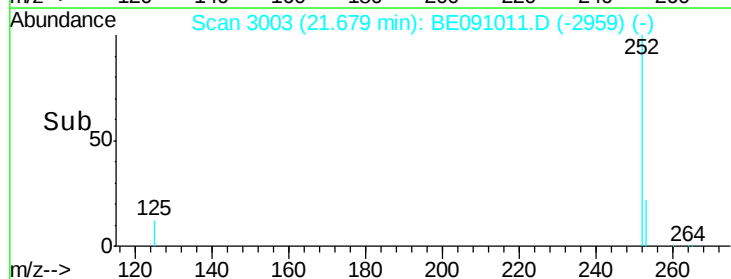
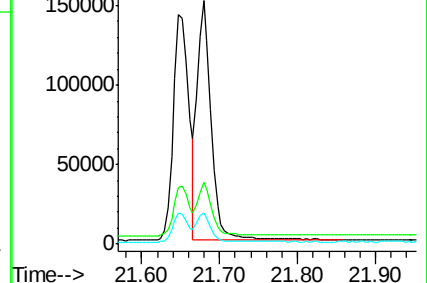
125 12.8 12.2 18.4

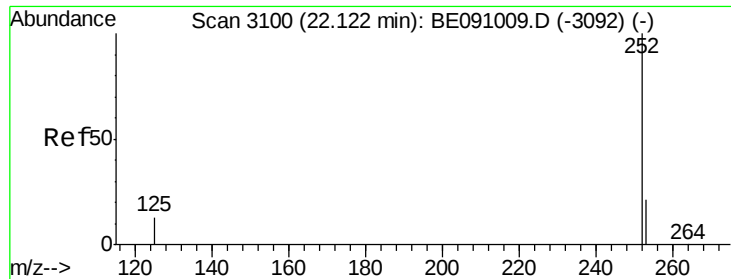


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

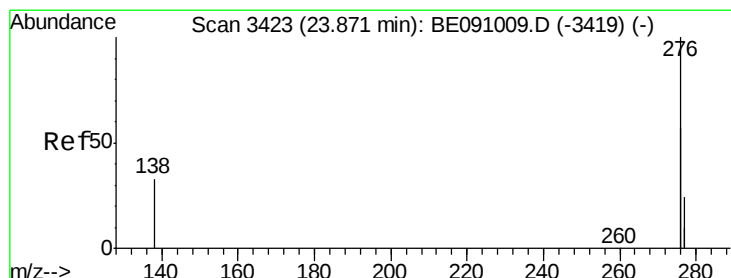
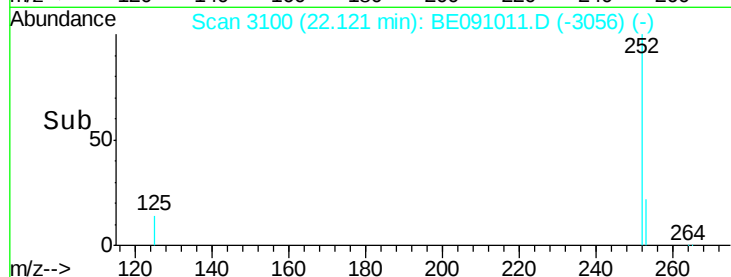
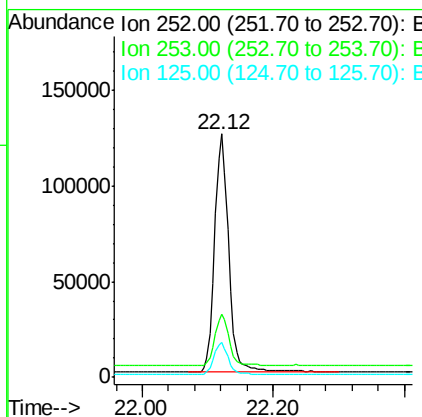
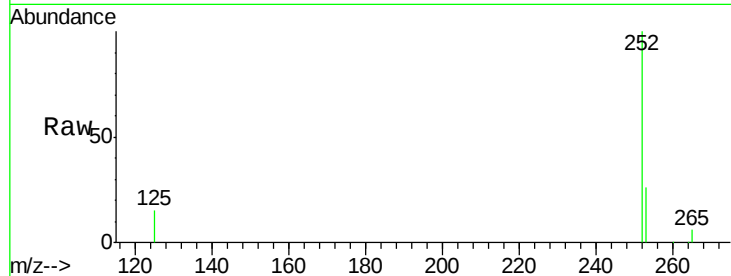




#23
Benzo(a)pyrene
Concen: 1.26 ng/ul
RT: 22.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BE091011.D
Acq: 14 Oct 2015 19:22

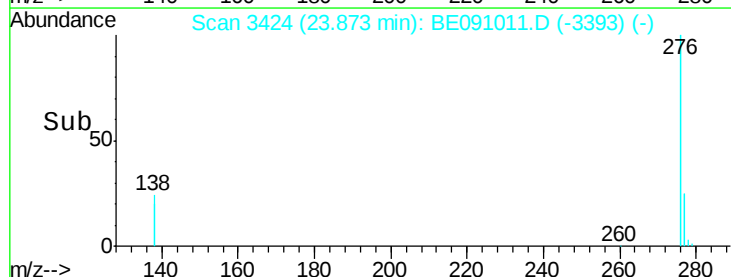
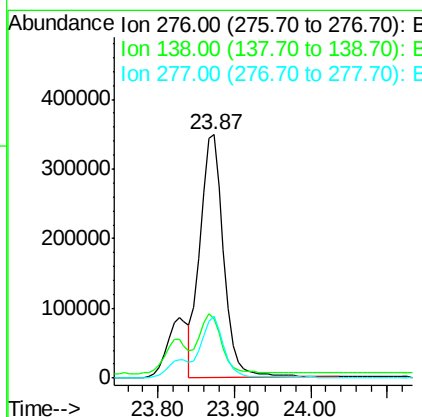
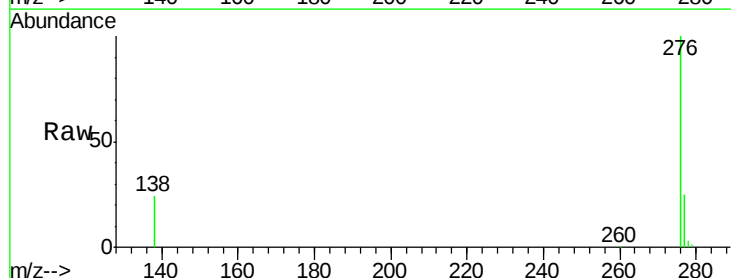
Instrument :
BNA_E
ClientSampleId :
SSTD1.677

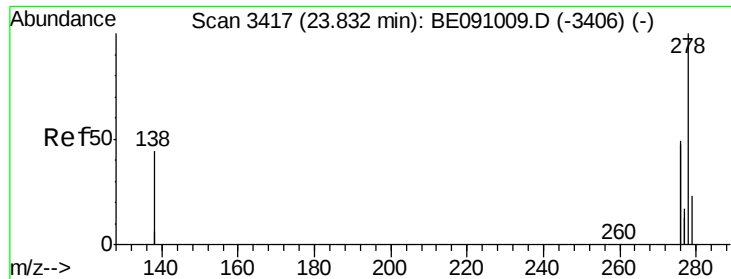
Tot Ion:252 Resp: 188464
Ion Ratio Lower Upper
252 100
253 26.1 34.0 51.0#
125 14.6 13.6 20.4



#24
Indeno(1,2,3-cd)pyrene
Concen: 3.25 ng/ul
RT: 23.87 min Scan# 3424
Delta R.T. 0.00 min
Lab File: BE091011.D
Acq: 14 Oct 2015 19:22

Tgt Ion:276 Resp: 746005
Ion Ratio Lower Upper
276 100
138 24.2 19.5 29.3
277 24.3 19.4 29.0

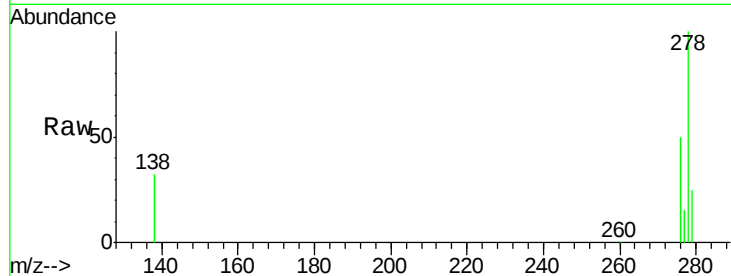




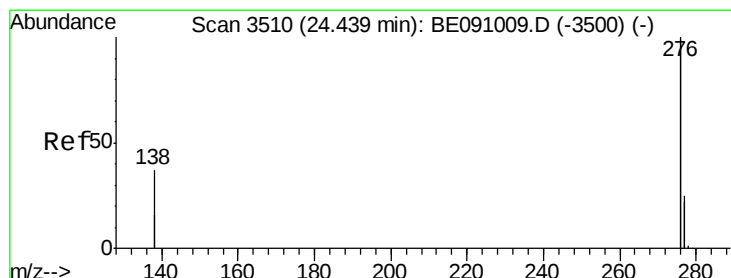
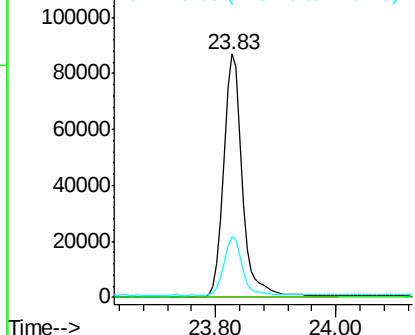
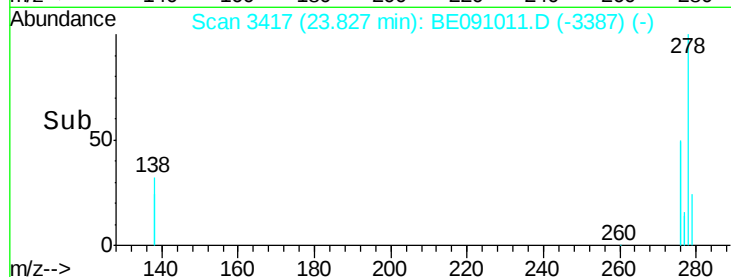
#25
Dibenzo(a,h)anthracene
Concen: 1.22 ng/ul
RT: 23.83 min Scan# 3417
Delta R.T. -0.01 min
Lab File: BE091011.D
Acq: 14 Oct 2015 19:22

Instrument :
BNA_E
ClientSampleId :
SSTD1.677

Tot Ion:278 Resp: 192174
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 24.7 22.1 33.1

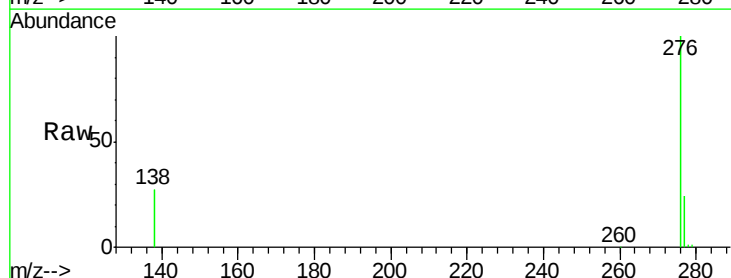


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 3.29 ng/ul
RT: 24.44 min Scan# 3511
Delta R.T. 0.00 min
Lab File: BE091011.D
Acq: 14 Oct 2015 19:22

Tgt Ion:276 Resp: 798540
Ion Ratio Lower Upper
276 100
277 24.1 19.8 29.8
138 27.1 29.4 44.2#



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

