

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101515\
 Data File : BE091019.D
 Acq On : 15 Oct 2015 15:07
 Operator : UM/IZ
 Sample : G3981-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X2063

Quant Time: Oct 15 18:20:15 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 05:50:36 2015
 Response via : Initial Calibration

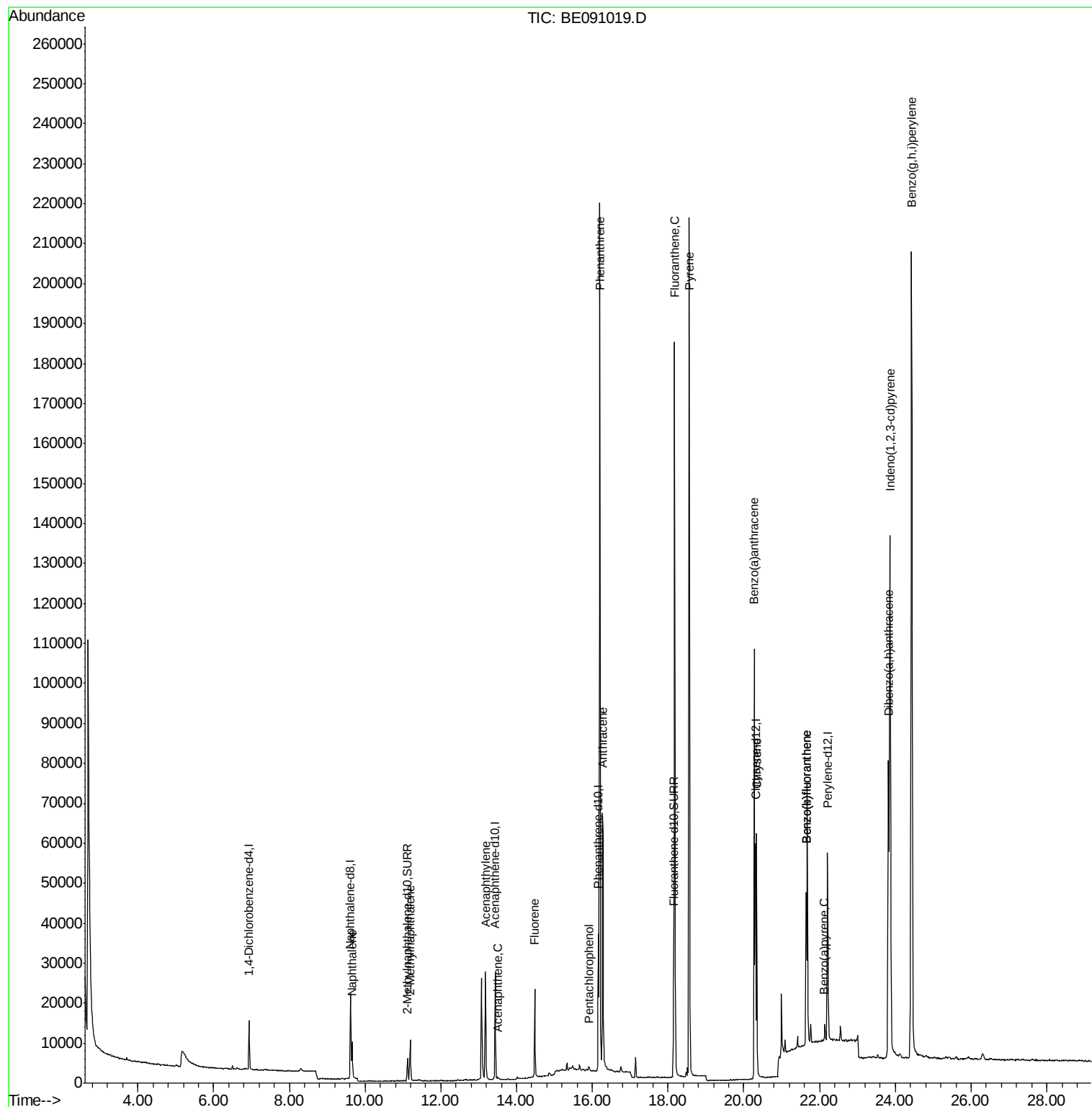
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	6011	0.40	ng/ul	-0.01
2) Naphthalene-d8	9.61	136	27524	0.40	ng/ul	-0.02
6) Acenaphthene-d10	13.43	164	15035	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.16	188	37809	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	49602	0.40	ng/ul	-0.01
20) Perylene-d12	22.21	264	50603	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.12	152	7456	0.24	ng/ul	-0.01
14) Fluoranthene-d10	18.15	212	31776	0.35	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	9.66	128	14567	0.23	ng/ul	98
5) 2-Methylnaphthalene	11.19	142	7707	0.22	ng/ul	90
7) Acenaphthylene	13.18	152	30087	0.54	ng/ul	100
8) Acenaphthene	13.49	153	295	0.01	ng/ul#	81
9) Fluorene	14.48	166	14381	0.29	ng/ul	98
11) Pentachlorophenol	15.92	266	527	0.12	ng/ul	93
12) Phenanthrene	16.20	178	226296	0.68	ng/ul	96
13) Anthracene	16.27	178	85909	0.26	ng/ul	96
15) Fluoranthene	18.17	202	198177	0.47	ng/ul	99
17) Pyrene	18.56	202	231196	0.55	ng/ul	99
18) Benzo(a)anthracene	20.28	228	85058	0.79	ng/ul	99
19) Chrysene	20.34	228	48841	0.42	ng/ul	99
21) Benzo(b)fluoranthene	21.65	252	37685	0.31	ng/ul	89
22) Benzo(k)fluoranthene	21.65	252	37685	0.31	ng/ul	90
23) Benzo(a)pyrene	22.12	252	137	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	23.86	276	190478	0.40	ng/ul	97
25) Dibenzo(a,h)anthracene	23.82	278	54076	0.45	ng/ul	96
26) Benzo(g,h,i)perylene	24.43	276	321568	0.65	ng/ul#	91

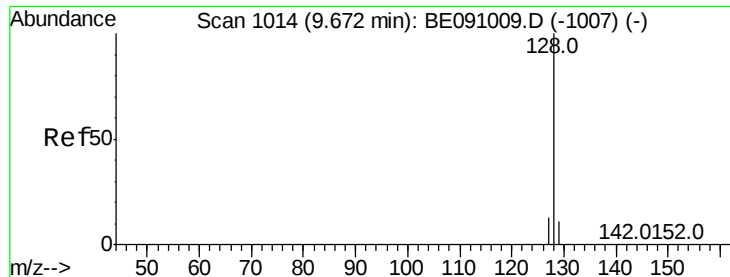
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.23 ng/ul

RT: 9.66 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

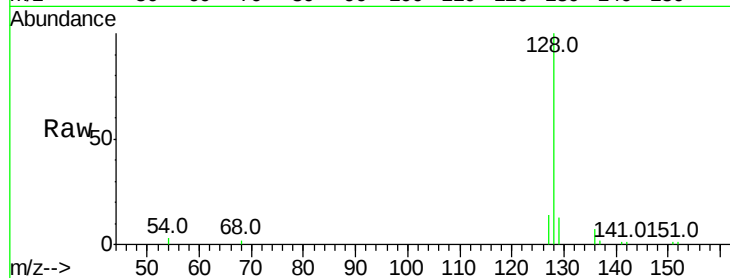
Tot Ion:128 Resp: 14567

Ion Ratio Lower Upper

128 100

129 12.7 9.0 13.4

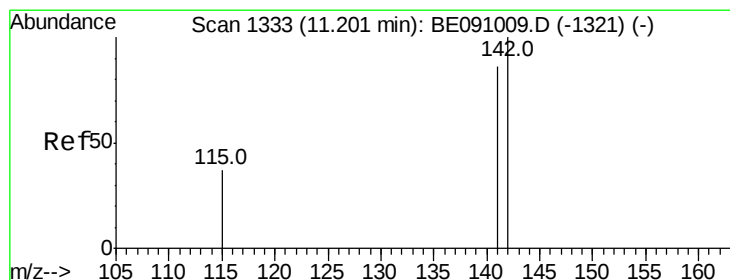
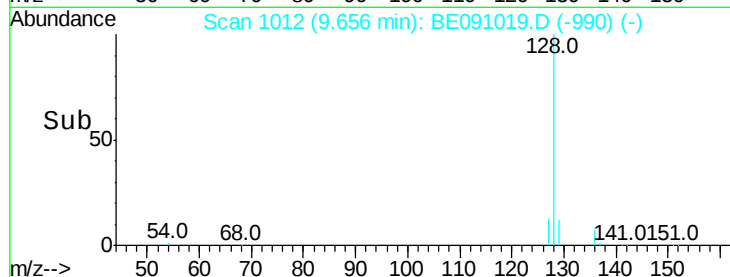
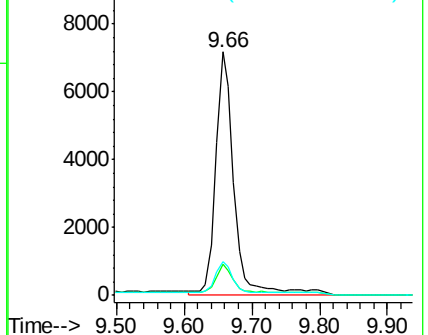
127 13.8 10.7 16.1



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: 0.22 ng/ul

RT: 11.19 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BE091019.D

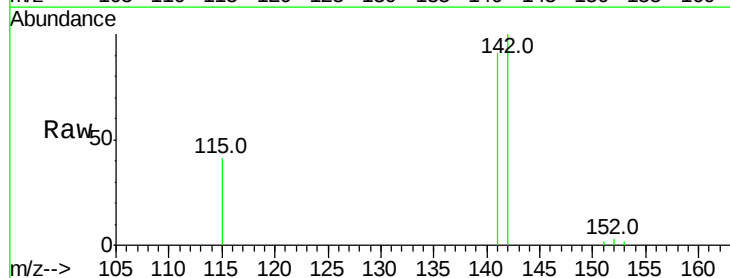
Acq: 15 Oct 2015 15:07

Tgt Ion:142 Resp: 7707

Ion Ratio Lower Upper

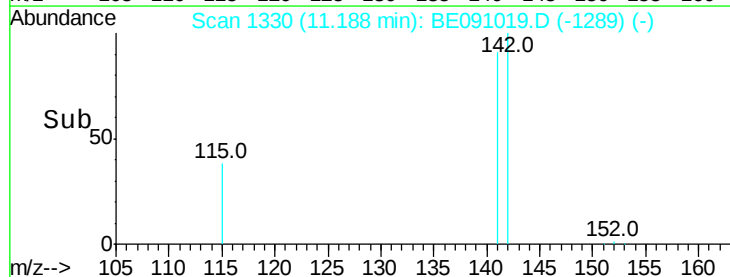
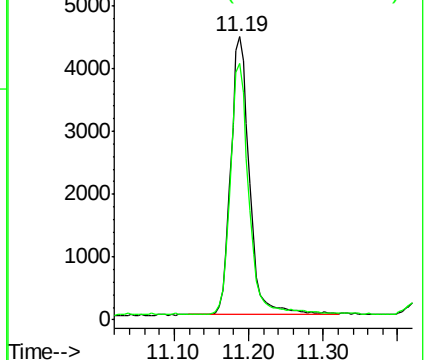
142 100

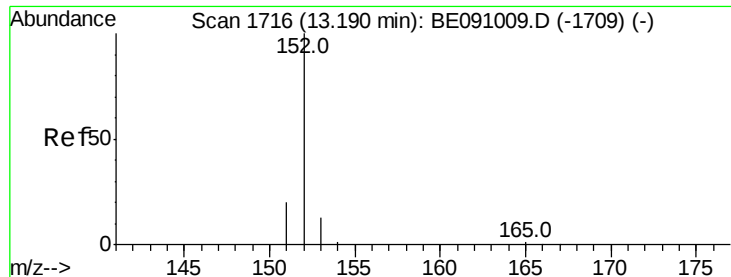
141 89.1 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.54 ng/ul

RT: 13.18 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

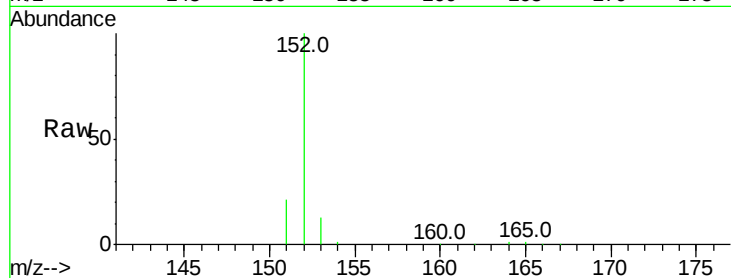
Tot Ion:152 Resp: 30087

Ion Ratio Lower Upper

152 100

151 20.5 16.6 24.8

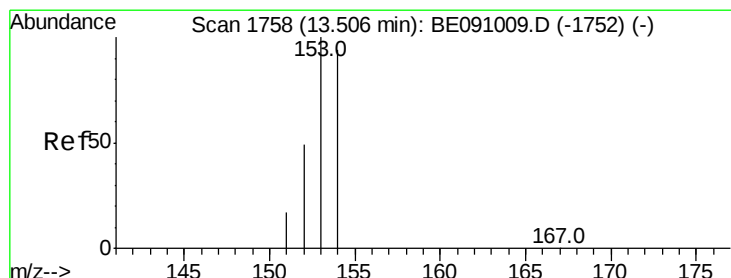
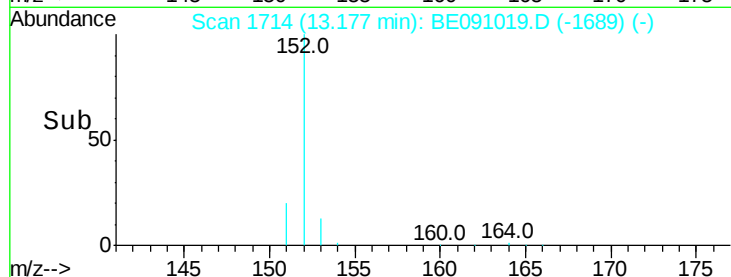
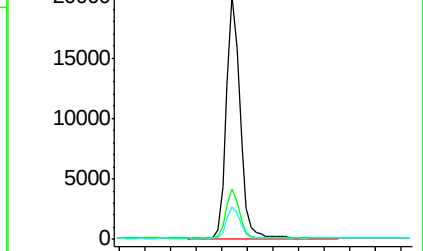
153 13.4 10.7 16.1



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: 0.01 ng/ul

RT: 13.49 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

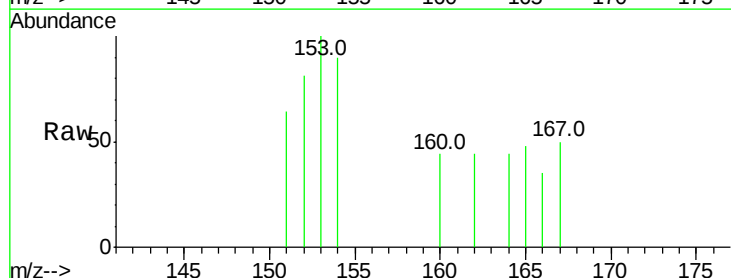
Tgt Ion:153 Resp: 295

Ion Ratio Lower Upper

153 100

152 81.3 39.8 59.8#

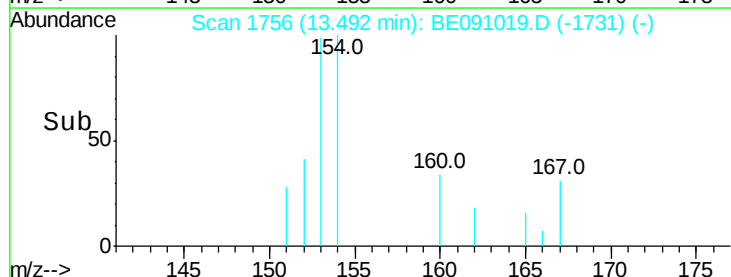
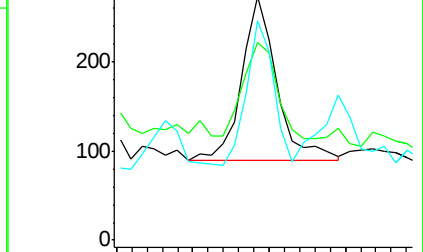
154 90.1 75.4 113.2

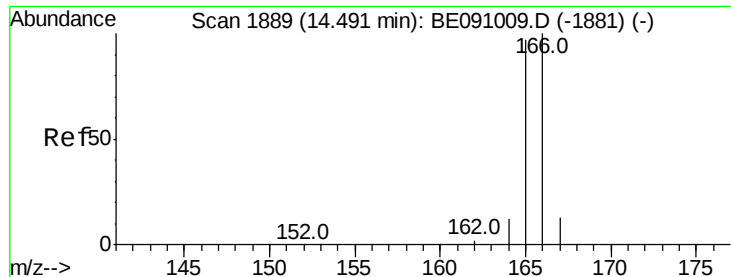


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.29 ng/ul

RT: 14.48 min Scan# 1887

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

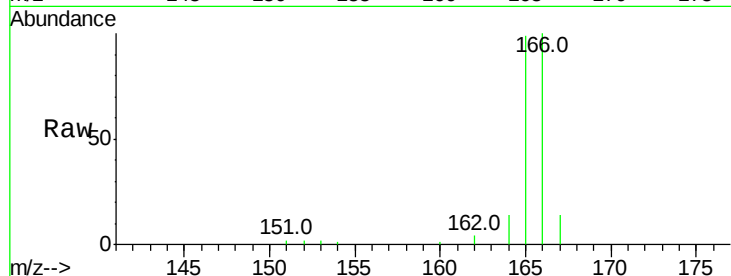
Tot Ion:166 Resp: 14381

Ion Ratio Lower Upper

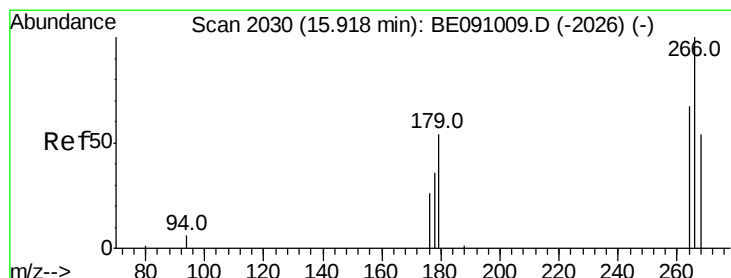
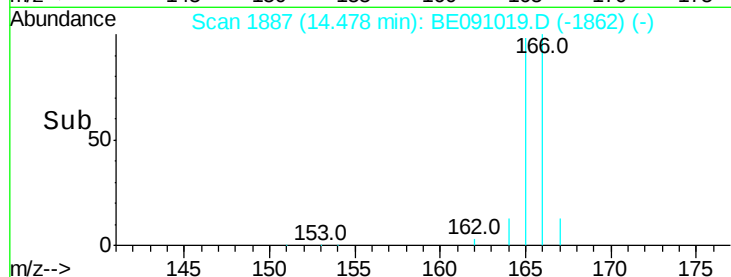
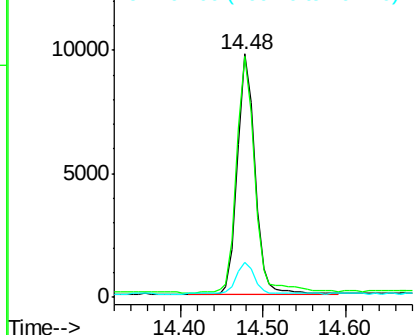
166 100

165 99.0 77.7 116.5

167 14.1 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: 0.12 ng/ul

RT: 15.92 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

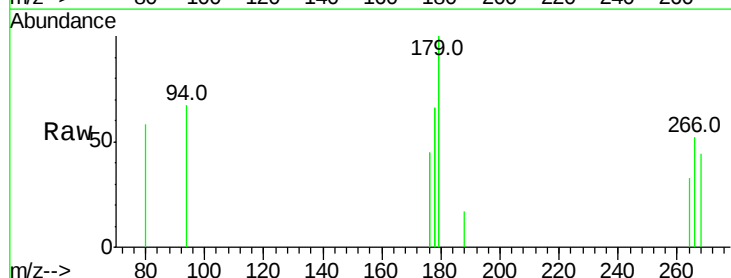
Tgt Ion:266 Resp: 527

Ion Ratio Lower Upper

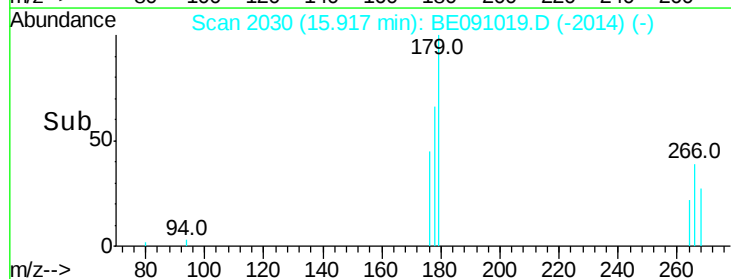
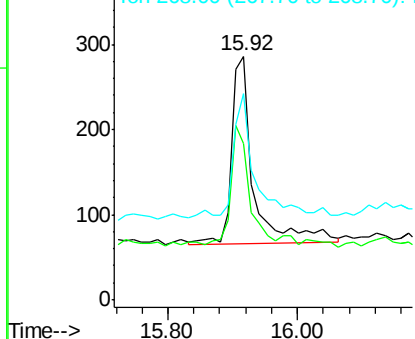
266 100

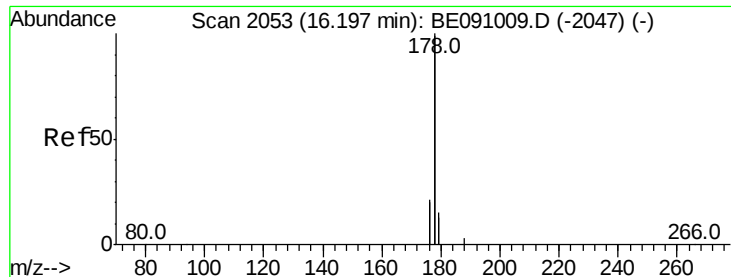
264 63.4 50.7 76.1

268 61.5 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: 0.68 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

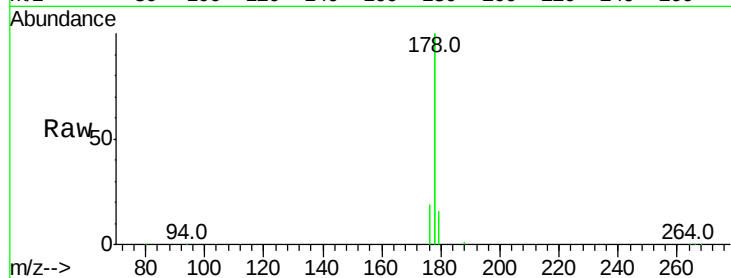
Tot Ion:178 Resp: 226296

Ion Ratio Lower Upper

178 100

176 18.6 16.9 25.3

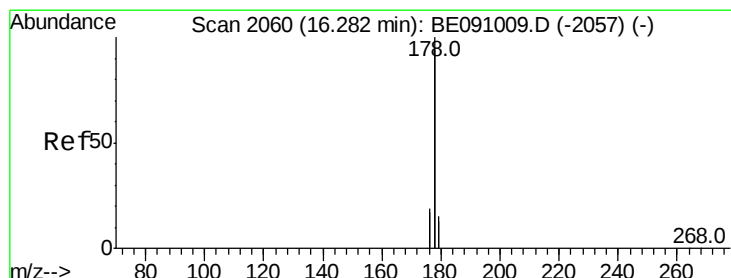
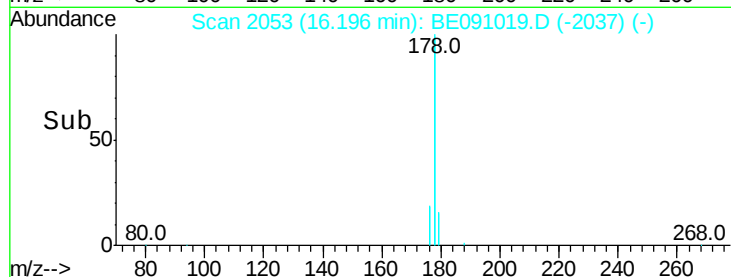
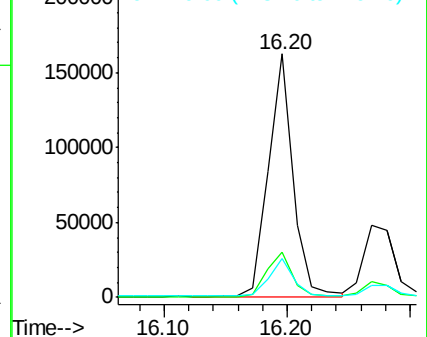
179 15.9 12.0 18.0



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: 0.26 ng/ul

RT: 16.27 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

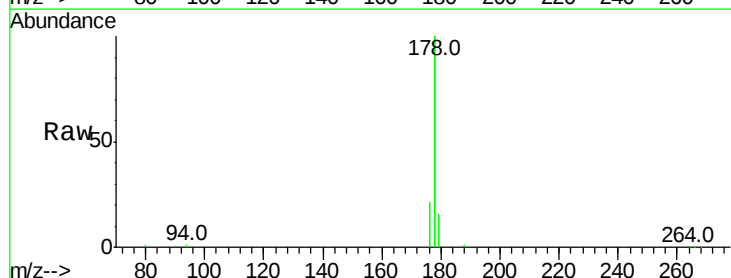
Tgt Ion:178 Resp: 85909

Ion Ratio Lower Upper

178 100

176 21.3 14.9 22.3

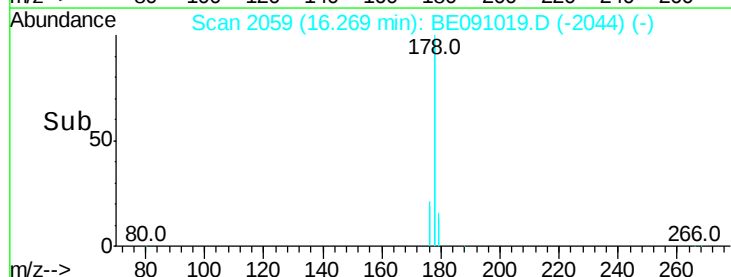
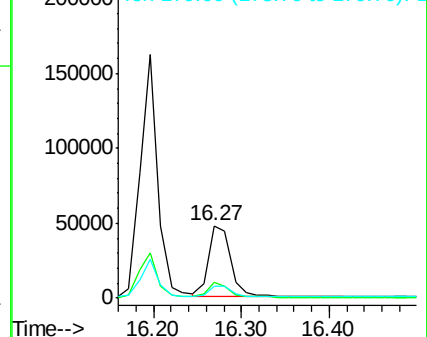
179 16.2 12.3 18.5

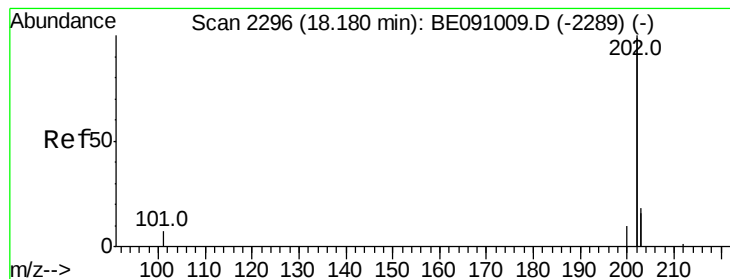


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.47 ng/ul

RT: 18.17 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

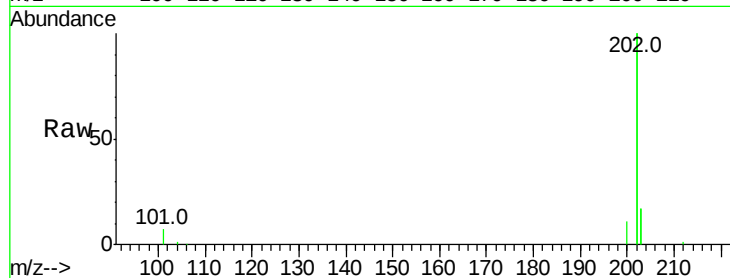
Tot Ion:202 Resp: 198177

Ion Ratio Lower Upper

202 100

101 3.5 0.0 23.7

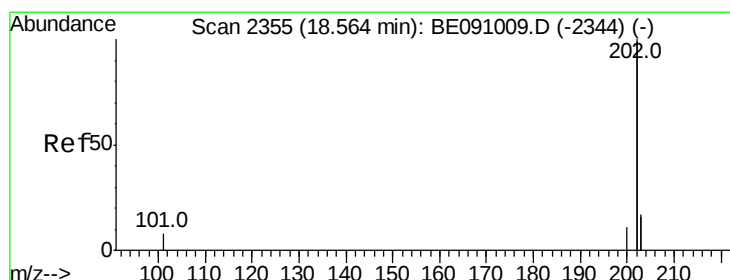
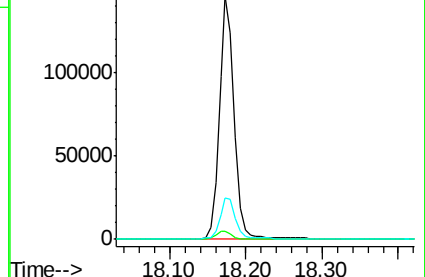
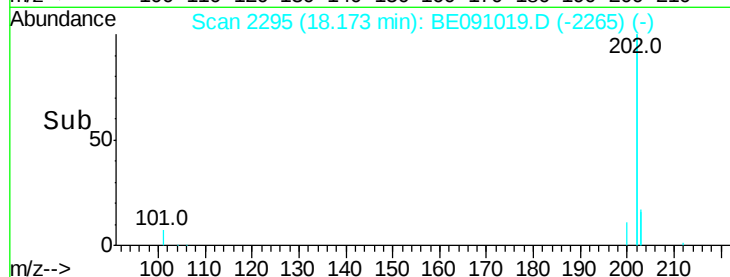
203 16.9 0.0 37.5



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: 0.55 ng/ul

RT: 18.56 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

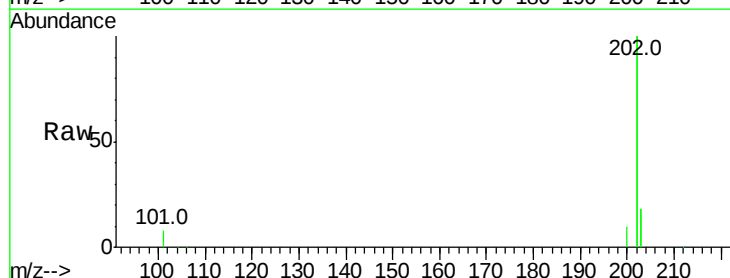
Tgt Ion:202 Resp: 231196

Ion Ratio Lower Upper

202 100

200 5.1 4.3 6.5

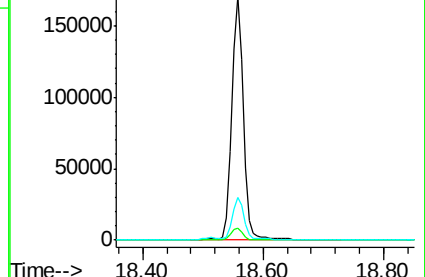
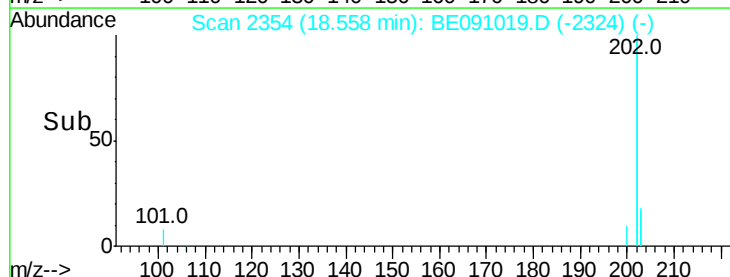
203 17.8 13.9 20.9

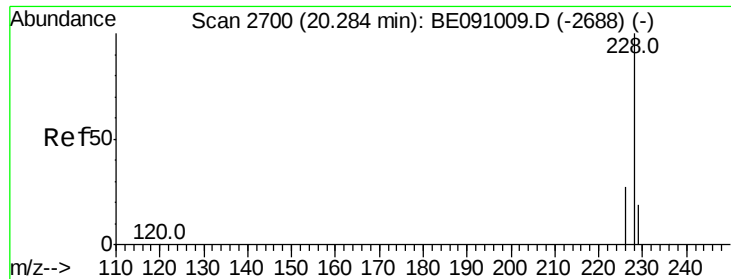


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.79 ng/ul

RT: 20.28 min Scan# 2698

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

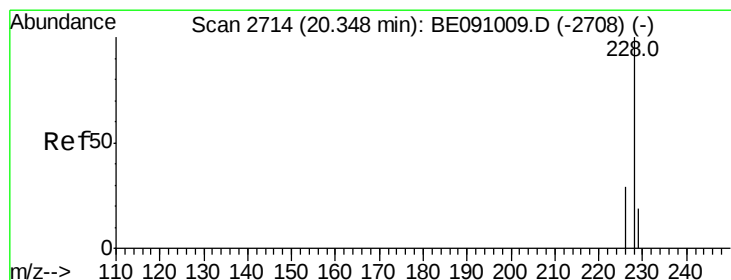
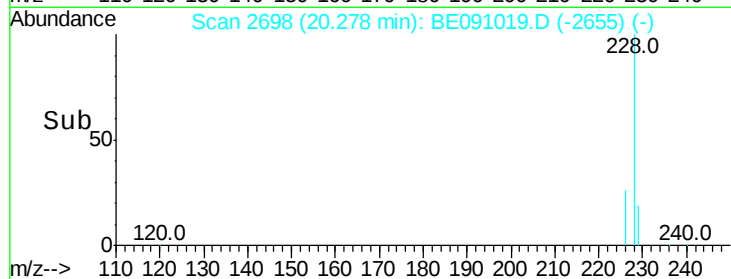
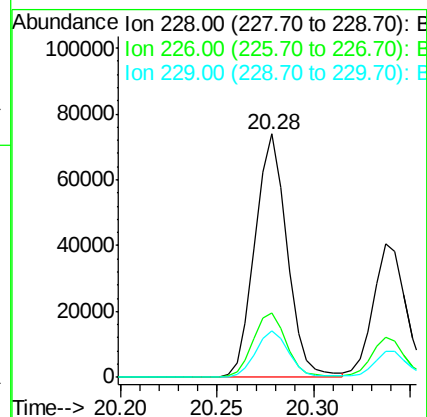
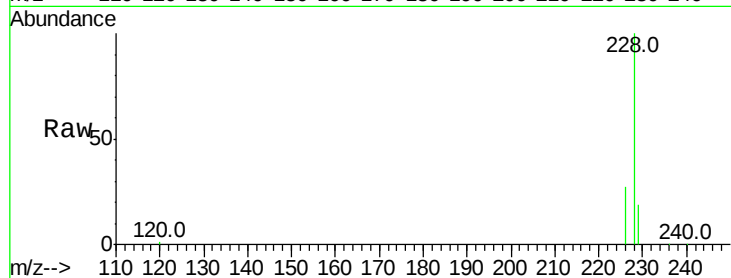
Tot Ion:228 Resp: 85058

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

229 19.4 15.8 23.6



#19

Chrysene

Concen: 0.42 ng/ul

RT: 20.34 min Scan# 2711

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

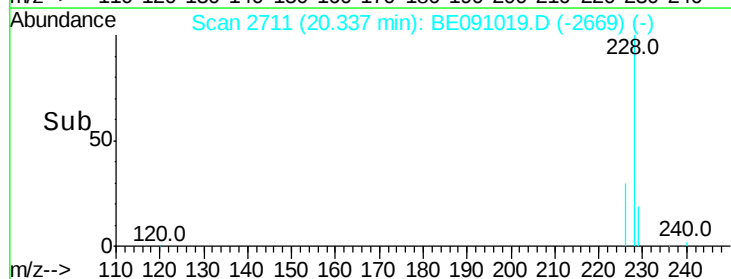
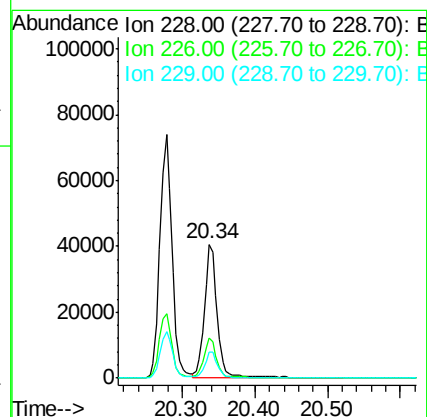
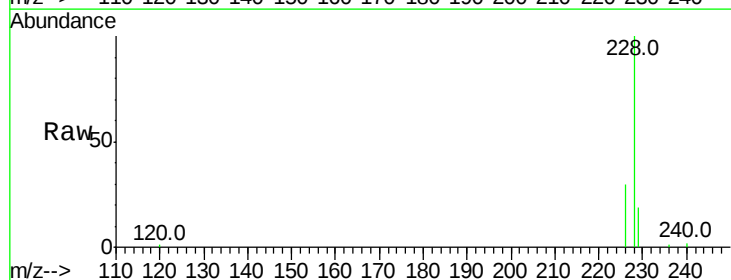
Tgt Ion:228 Resp: 48841

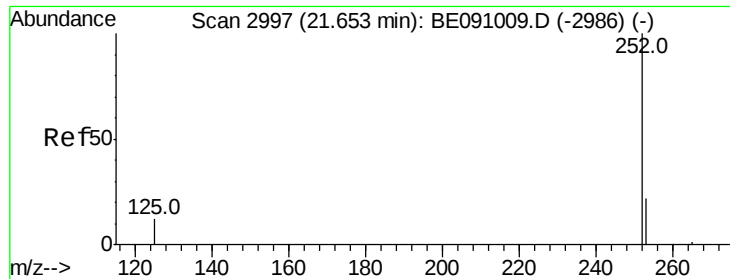
Ion Ratio Lower Upper

228 100

226 30.4 23.6 35.4

229 19.4 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.31 ng/ul

RT: 21.65 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampleId :

X2063

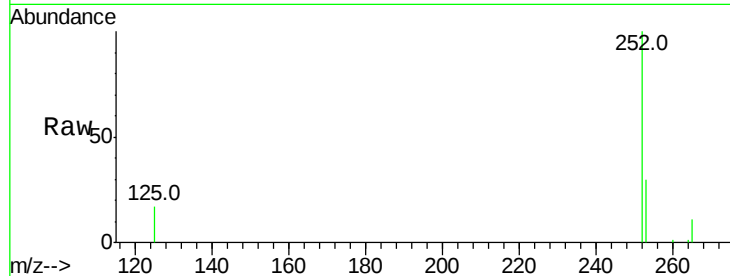
Tot Ion:252 Resp: 37685

Ion Ratio Lower Upper

252 100

253 30.0 0.0 76.2

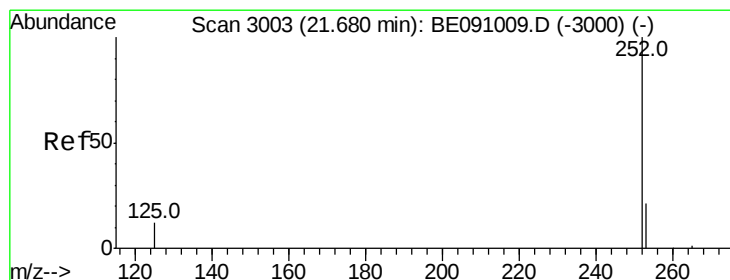
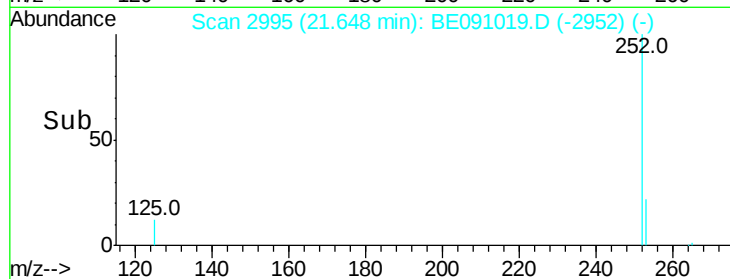
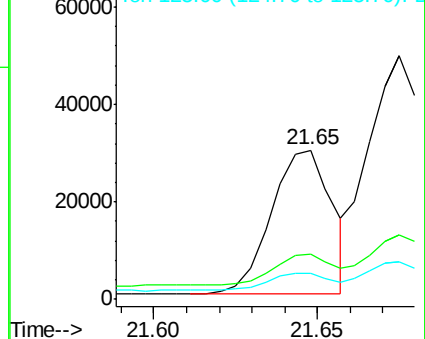
125 17.2 0.0 31.2



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: 0.31 ng/ul

RT: 21.65 min Scan# 2995

Delta R.T. -0.03 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

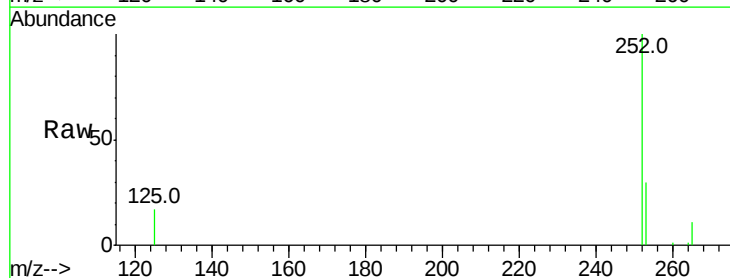
Tgt Ion:252 Resp: 37685

Ion Ratio Lower Upper

252 100

253 30.0 29.8 44.6

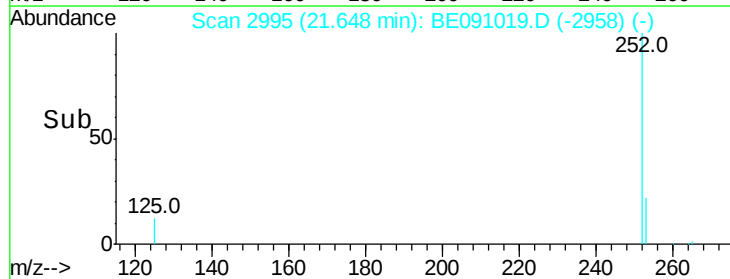
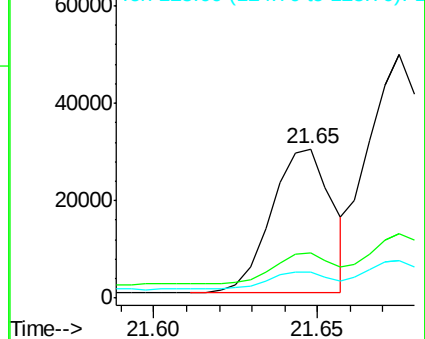
125 17.2 12.2 18.4

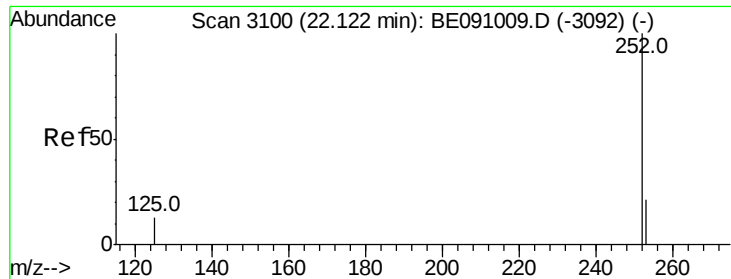


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 22.12 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

Instrument :

BNA_E

ClientSampled :

X2063

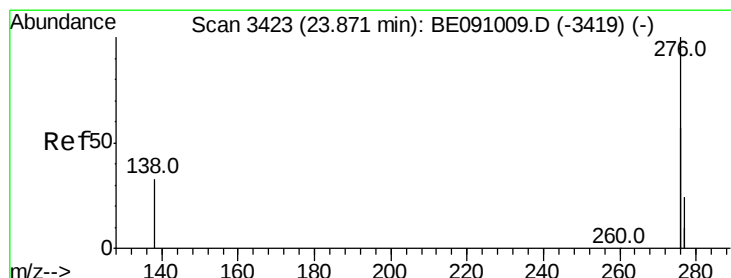
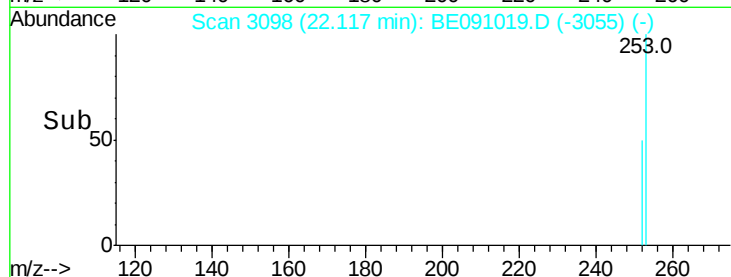
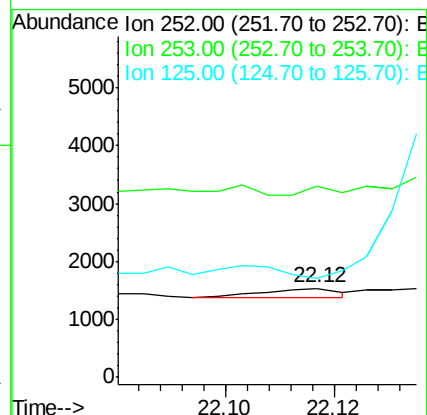
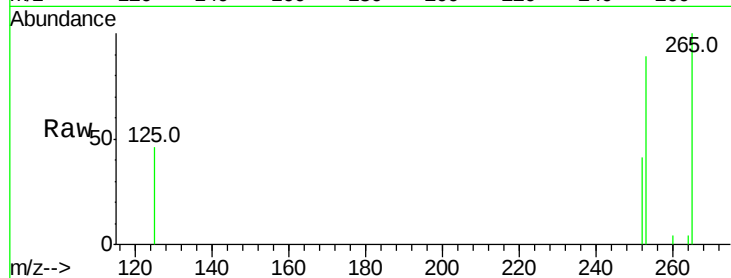
Tot Ion:252 Resp: 137

Ion Ratio Lower Upper

252 100

253 215.8 34.0 51.0#

125 111.9 13.6 20.4#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 23.86 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BE091019.D

Acq: 15 Oct 2015 15:07

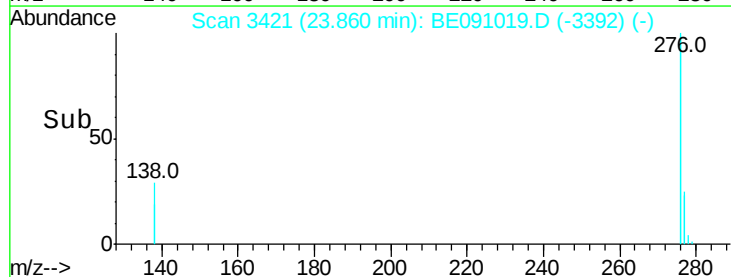
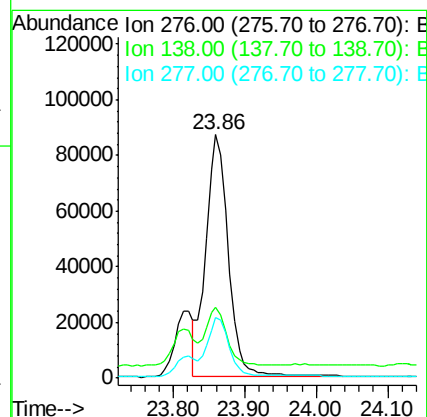
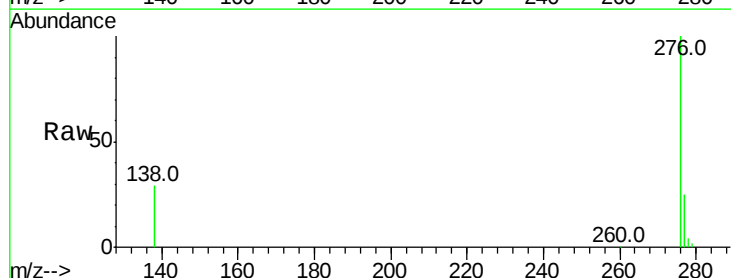
Tgt Ion:276 Resp: 190478

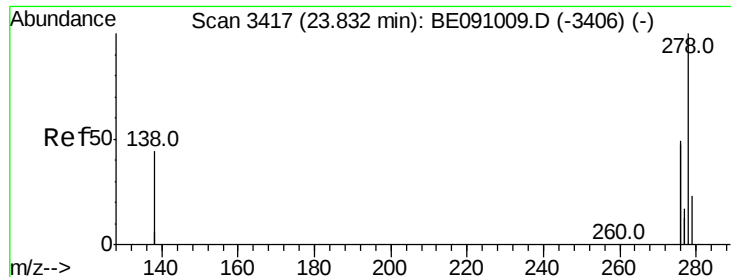
Ion Ratio Lower Upper

276 100

138 22.5 19.5 29.3

277 23.4 19.4 29.0



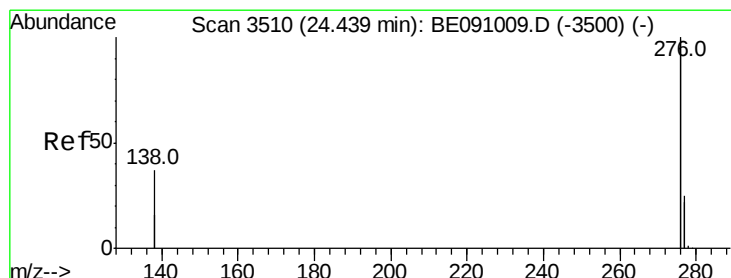
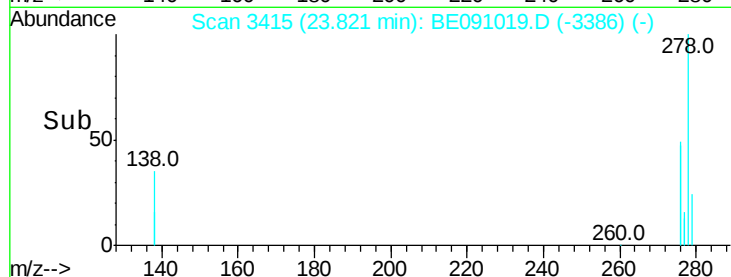
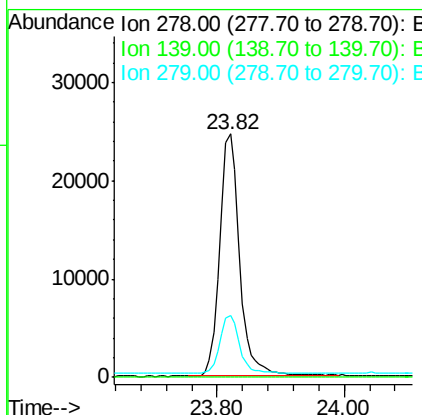
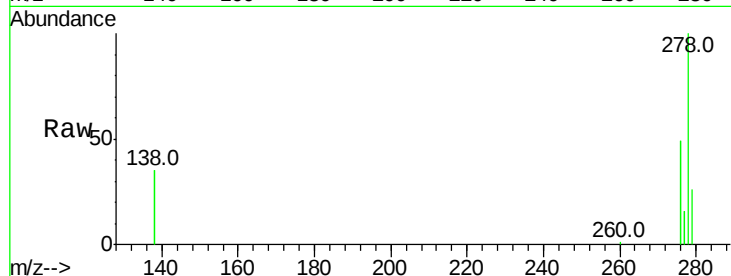


#25
Dibenzo(a,h)anthracene
Concen: 0.45 ng/ul
RT: 23.82 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BE091019.D
Acq: 15 Oct 2015 15:07

Instrument :
BNA_E
ClientSampleId :
X2063

Tot Ion:278 Resp: 54076

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	25.6	22.1	33.1



#26
Benzo(g,h,i)perylene
Concen: 0.65 ng/ul
RT: 24.43 min Scan# 3508
Delta R.T. -0.01 min
Lab File: BE091019.D
Acq: 15 Oct 2015 15:07

Tgt Ion:276 Resp: 321568

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	29.3	29.4	44.2#

