

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101515\
 Data File : BE091017.D
 Acq On : 15 Oct 2015 12:02
 Operator : UM/IZ
 Sample : G3981-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X2058

Quant Time: Oct 15 18:19:54 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	5940	0.40	ng/ul	-0.01
2) Naphthalene-d8	9.62	136	26352	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.44	164	14827	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	38603	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	52184	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	51312	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.12	152	12608	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	39895	0.43	ng/ul	0.00

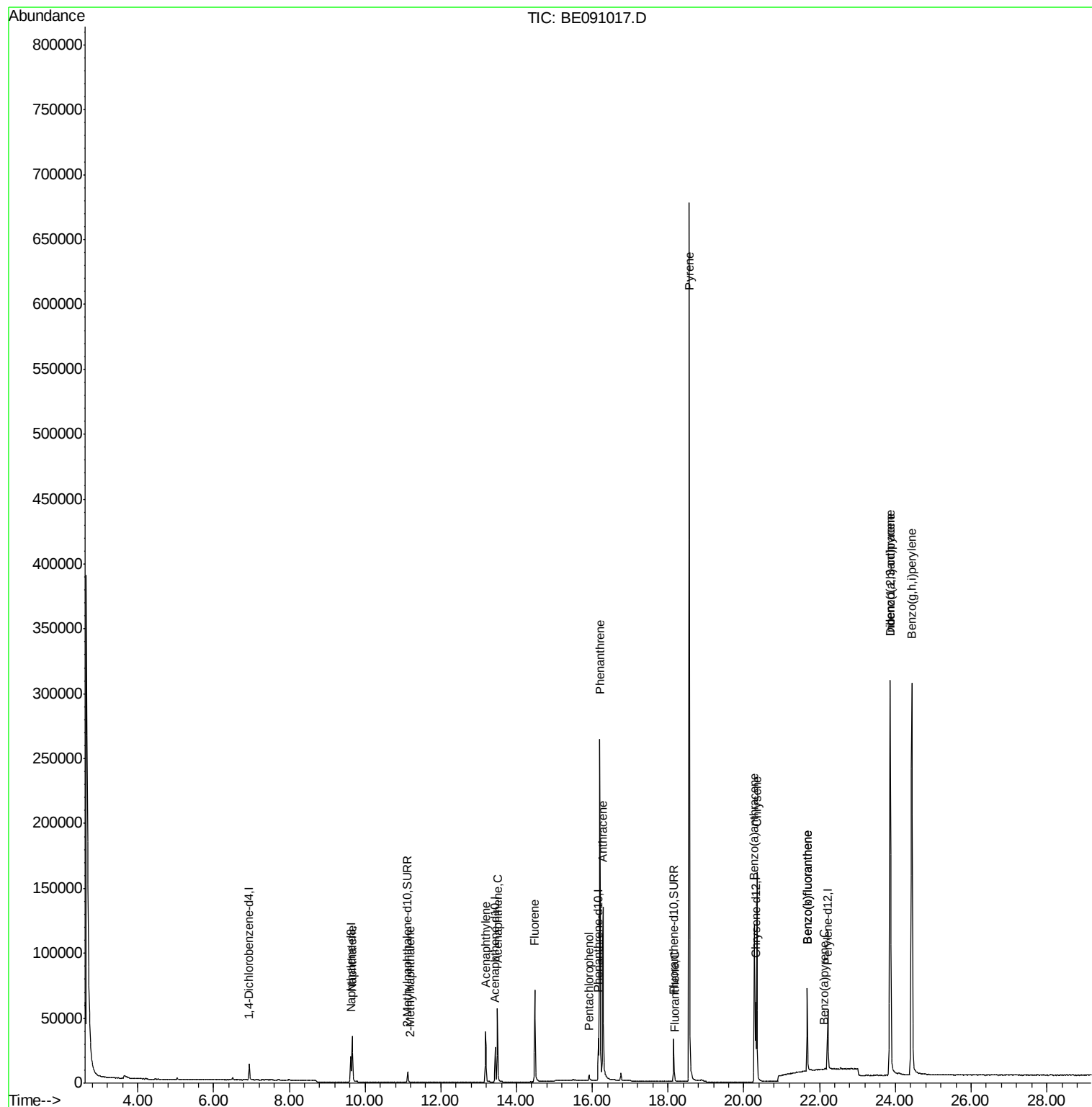
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.67	128	54378	0.89	ng/ul	99
5) 2-Methylnaphthalene	11.20	142	149	0.00	ng/ul	89
7) Acenaphthylene	13.18	152	46908	0.86	ng/ul	99
8) Acenaphthene	13.50	153	32949	0.83	ng/ul	99
9) Fluorene	14.48	166	49217	1.01	ng/ul	99
11) Pentachlorophenol	15.92	266	3360	0.76	ng/ul	96
12) Phenanthrene	16.20	178	275617	0.81	ng/ul	97
13) Anthracene	16.28	178	176806	0.53	ng/ul	97
15) Fluoranthene	18.18	202	1385	0.00	ng/ul#	25
17) Pyrene	18.56	202	745840	1.68	ng/ul	99
18) Benzo(a)anthracene	20.28	228	96353	0.85	ng/ul	99
19) Chrysene	20.34	228	134557	1.10	ng/ul	99
21) Benzo(b)fluoranthene	21.68	252	67018	0.55	ng/ul	86
22) Benzo(k)fluoranthene	21.68	252	67160	0.54	ng/ul#	87
23) Benzo(a)pyrene	22.11	252	145	0.00	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	23.87	276	446784	0.94	ng/ul	98
25) Dibenzo(a,h)anthracene	23.87	278	3235	0.03	ng/ul#	85
26) Benzo(g,h,i)perylene	24.43	276	499449	1.00	ng/ul#	90

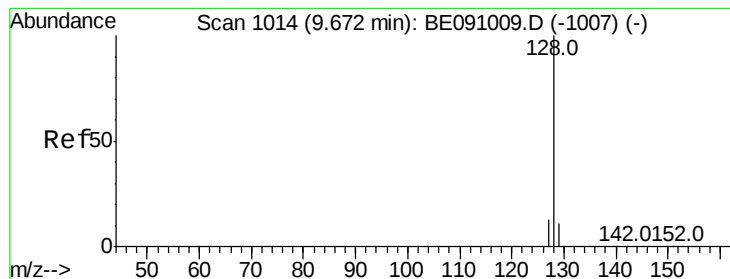
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.89 ng/ul

RT: 9.67 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampleId :

X2058

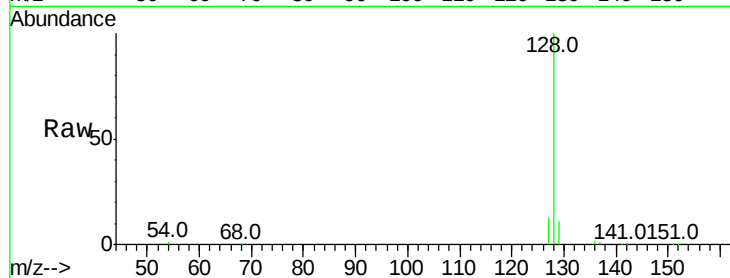
Tot Ion:128 Resp: 54378

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

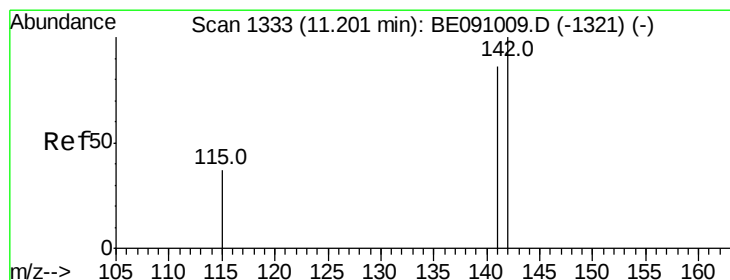
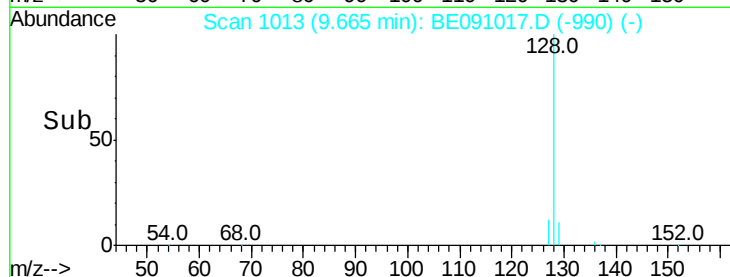
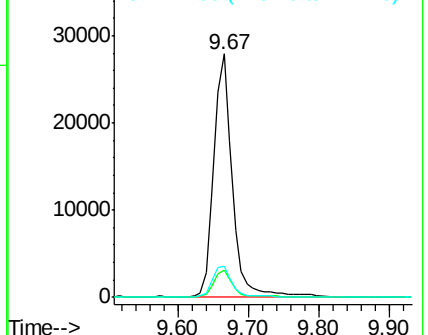
127 12.7 10.7 16.1



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: 0.00 ng/ul

RT: 11.20 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BE091017.D

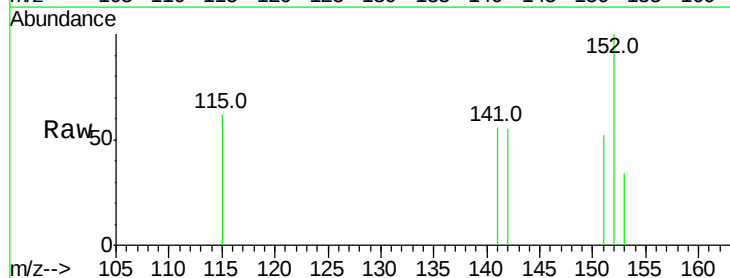
Acq: 15 Oct 2015 12:02

Tgt Ion:142 Resp: 149

Ion Ratio Lower Upper

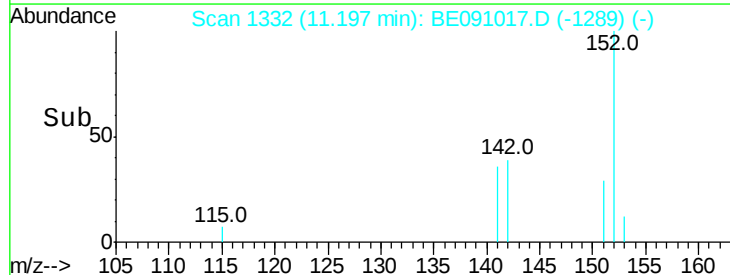
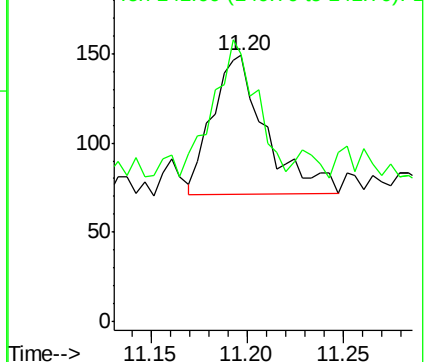
142 100

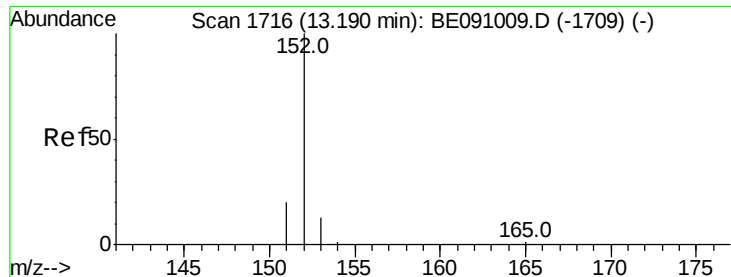
141 87.9 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.86 ng/ul

RT: 13.18 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampleId :

X2058

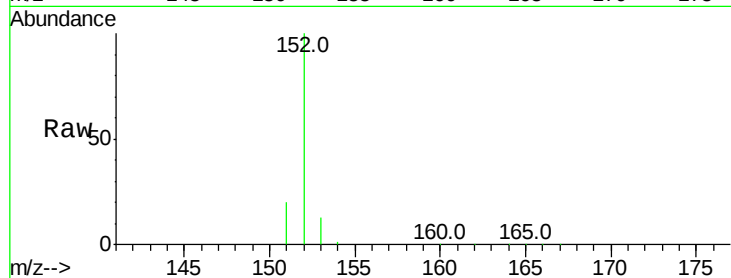
Tot Ion:152 Resp: 46908

Ion Ratio Lower Upper

152 100

151 19.7 16.6 24.8

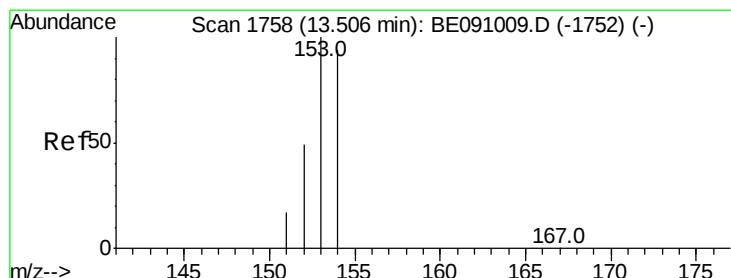
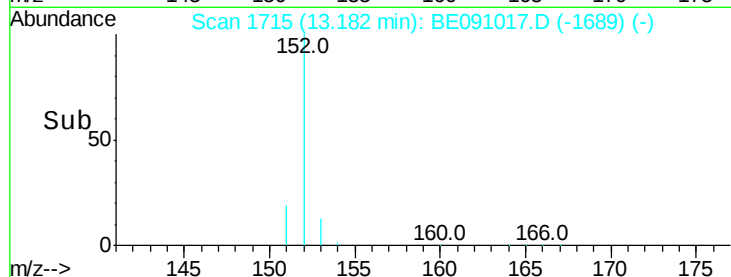
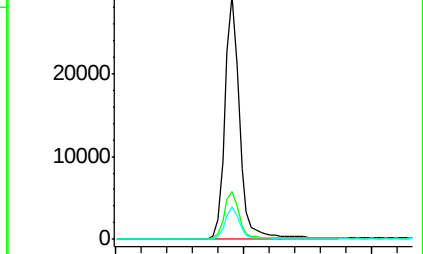
153 13.3 10.7 16.1



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



#8

Acenaphthene

Concen: 0.83 ng/ul

RT: 13.50 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

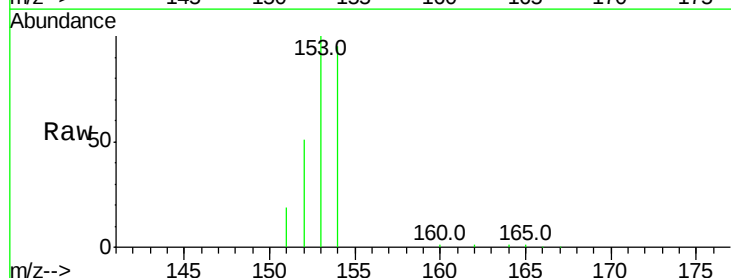
Tgt Ion:153 Resp: 32949

Ion Ratio Lower Upper

153 100

152 51.2 39.8 59.8

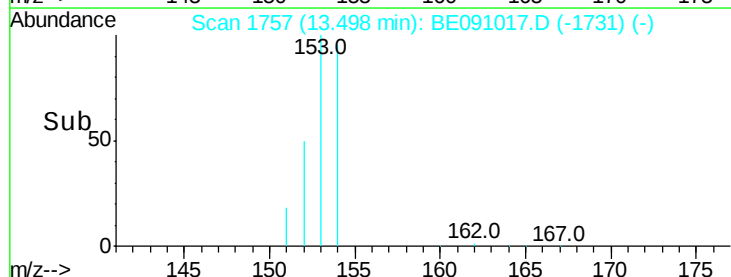
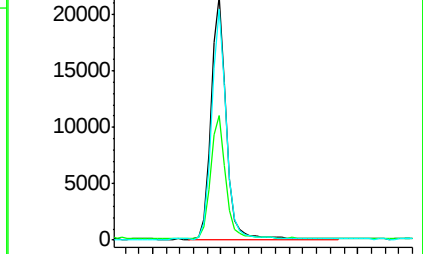
154 95.0 75.4 113.2

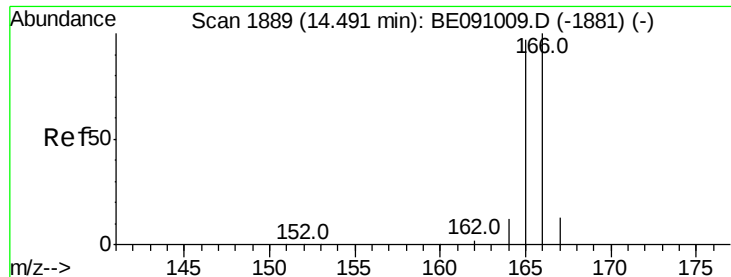


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.01 ng/ul

RT: 14.48 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampleId :

X2058

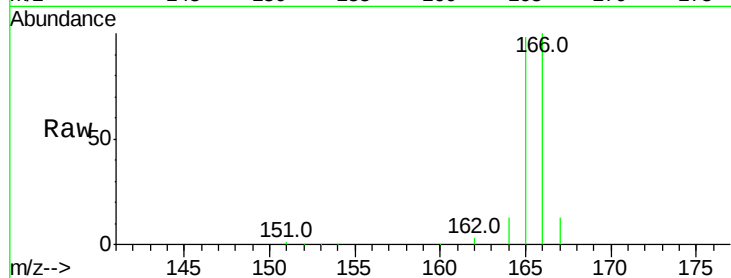
Tot Ion:166 Resp: 49217

Ion Ratio Lower Upper

166 100

165 97.8 77.7 116.5

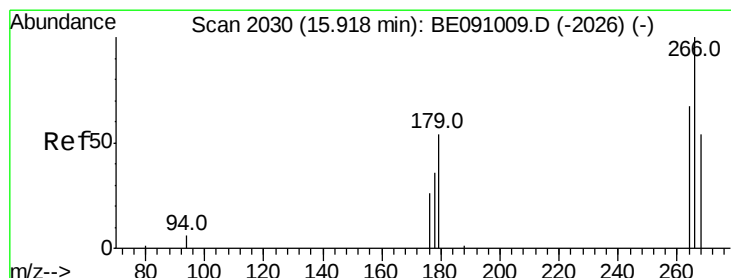
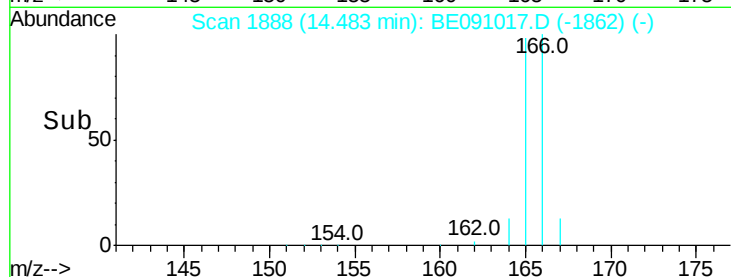
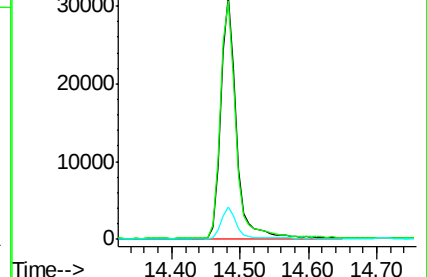
167 13.5 10.9 16.3



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: 0.76 ng/ul

RT: 15.92 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

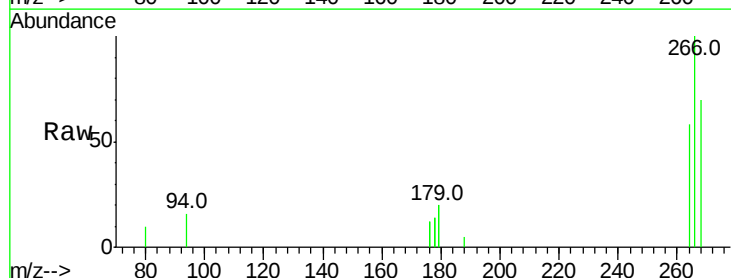
Tgt Ion:266 Resp: 3360

Ion Ratio Lower Upper

266 100

264 62.6 50.7 76.1

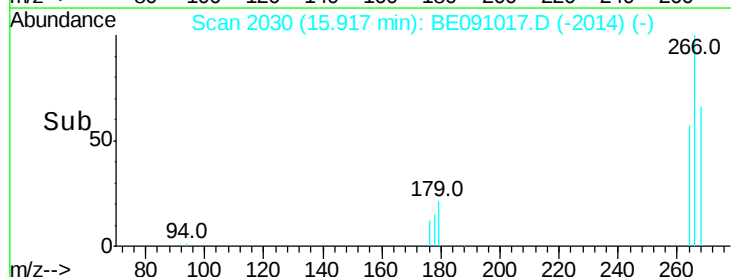
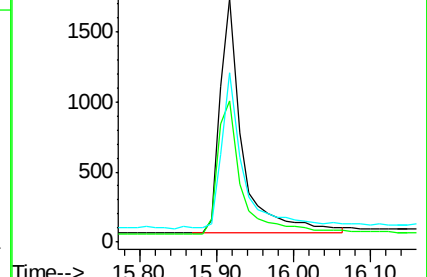
268 66.8 57.6 86.4

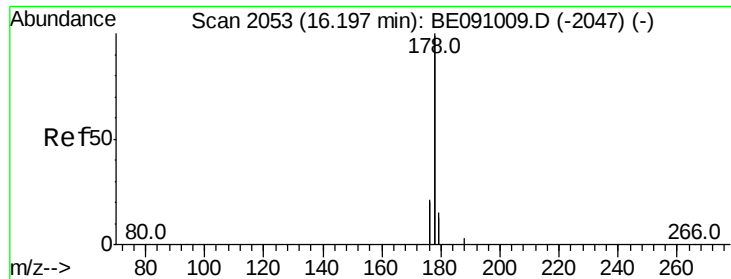


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.81 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampleId :

X2058

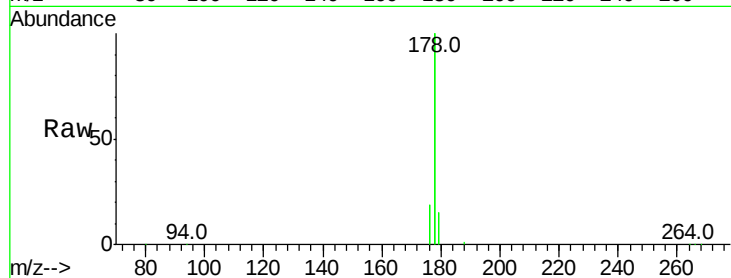
Tot Ion:178 Resp: 275617

Ion Ratio Lower Upper

178 100

176 19.4 16.9 25.3

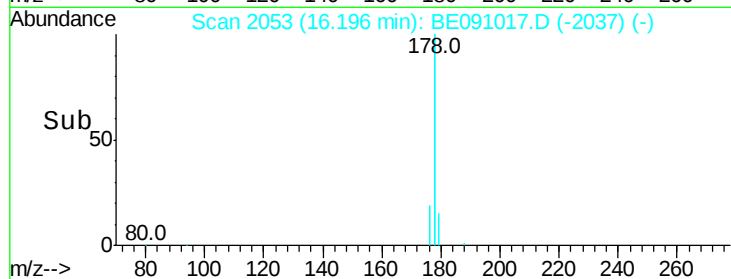
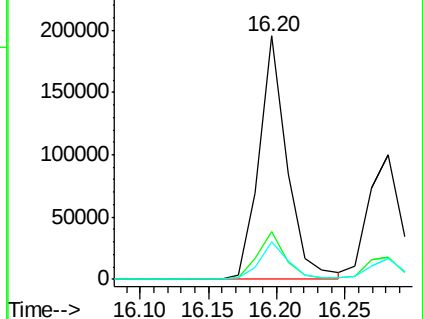
179 15.4 12.0 18.0



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: 0.53 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

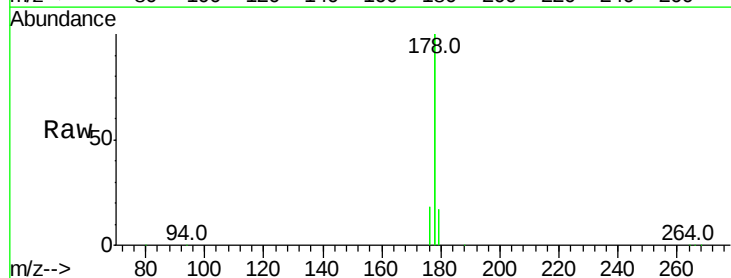
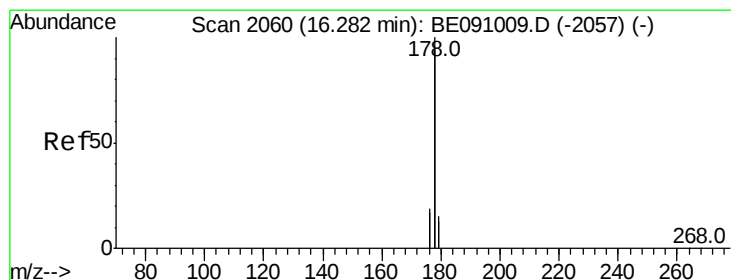
Tgt Ion:178 Resp: 176806

Ion Ratio Lower Upper

178 100

176 17.7 14.9 22.3

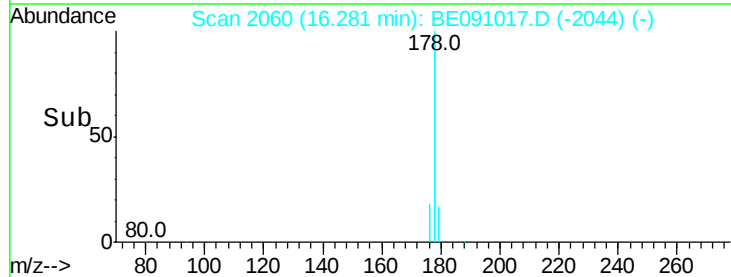
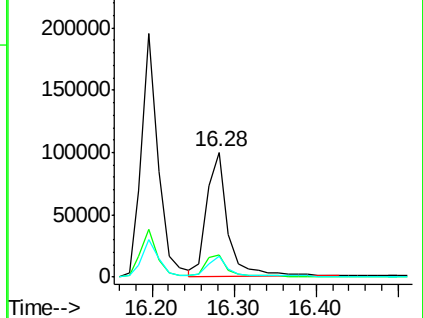
179 16.8 12.3 18.5

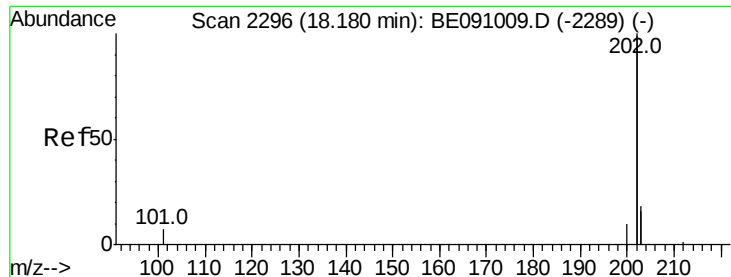


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.00 ng/ul

RT: 18.18 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

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ClientSampleId :

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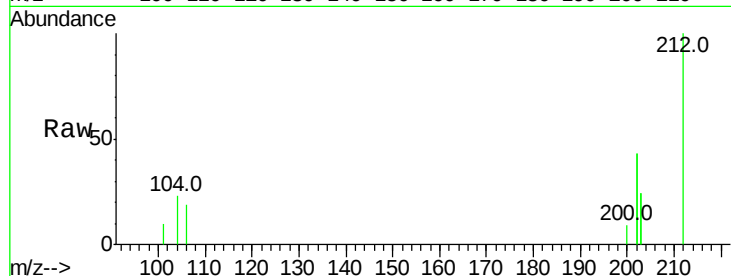
Tot Ion:202 Resp: 1385

Ion Ratio Lower Upper

202 100

101 11.3 0.0 23.7

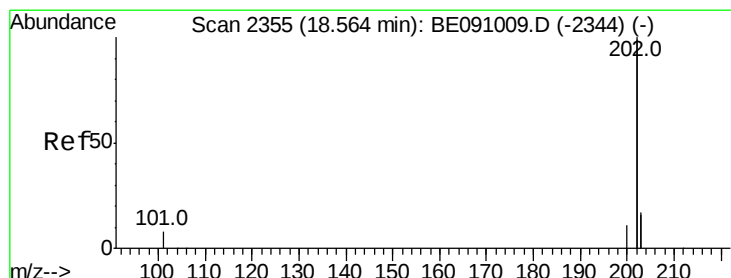
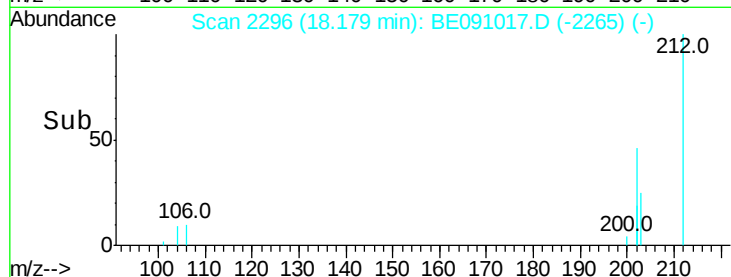
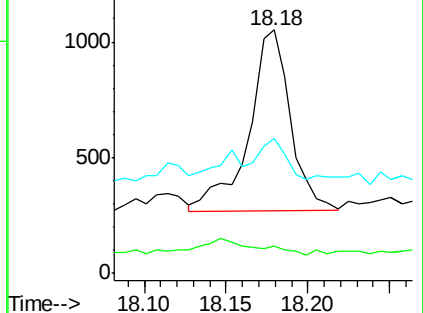
203 55.1 0.0 37.5#



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: 1.68 ng/ul

RT: 18.56 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

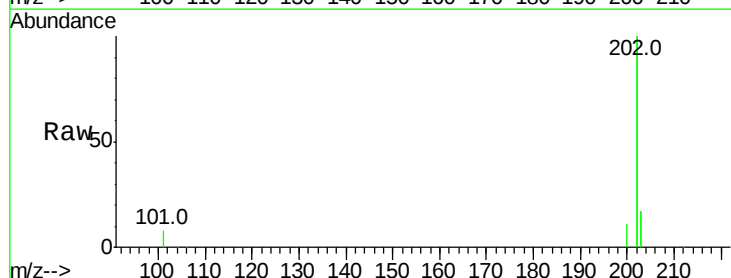
Tgt Ion:202 Resp: 745840

Ion Ratio Lower Upper

202 100

200 5.3 4.3 6.5

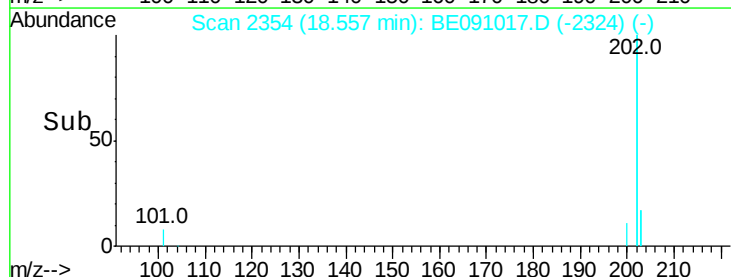
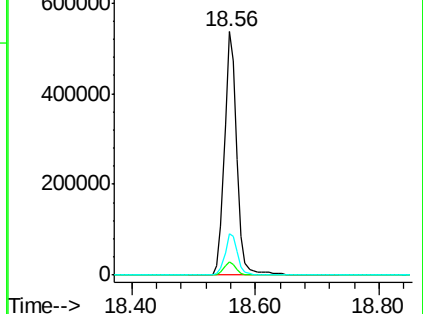
203 17.0 13.9 20.9

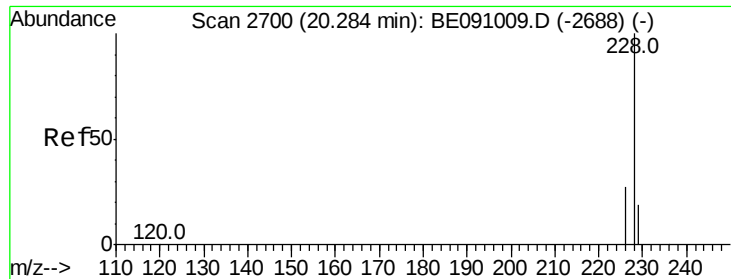


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.85 ng/ul

RT: 20.28 min Scan# 2699

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

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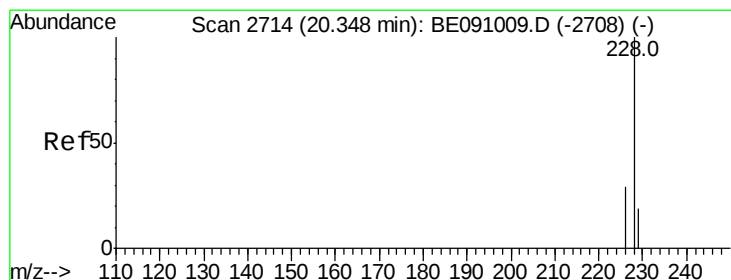
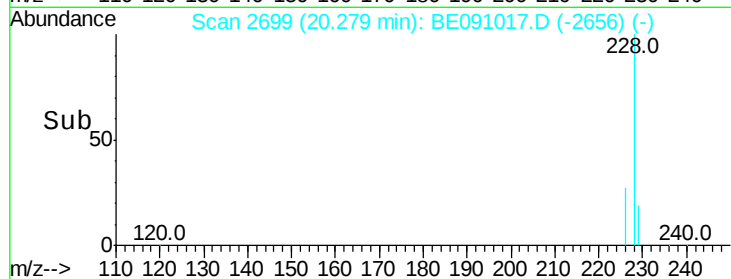
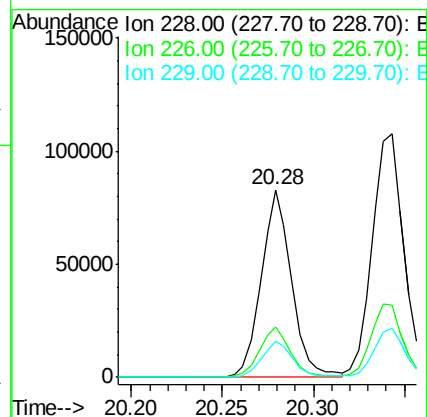
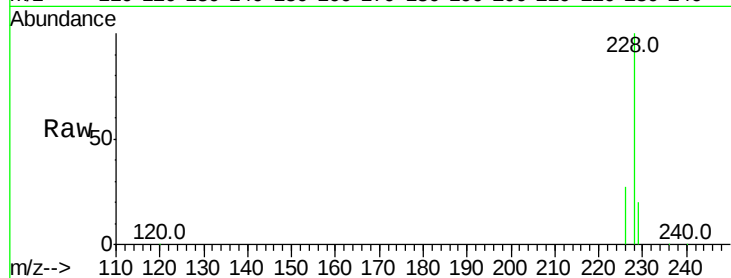
Tot Ion:228 Resp: 96353

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

229 19.5 15.8 23.6



#19

Chrysene

Concen: 1.10 ng/ul

RT: 20.34 min Scan# 2713

Delta R.T. -0.00 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

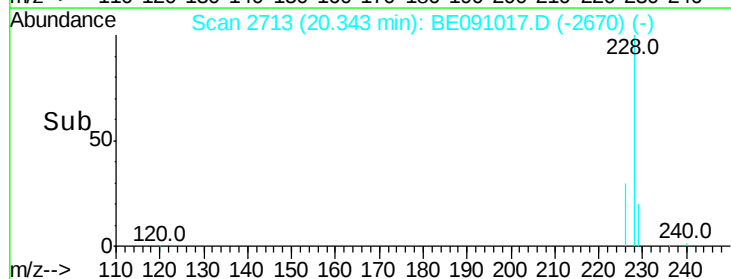
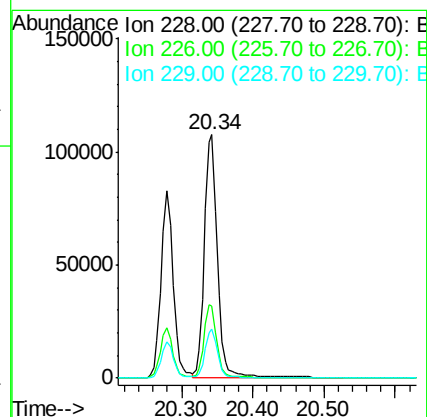
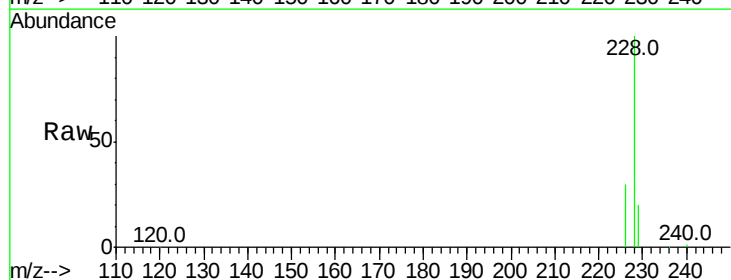
Tgt Ion:228 Resp: 134557

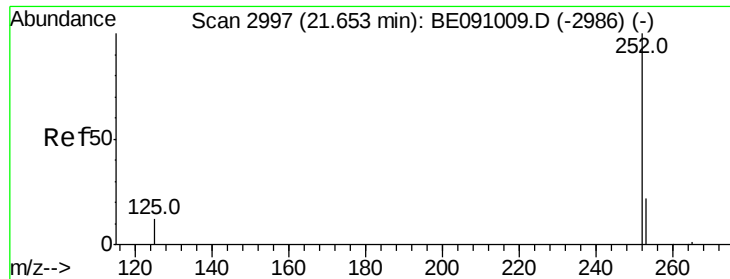
Ion Ratio Lower Upper

228 100

226 29.8 23.6 35.4

229 20.1 15.8 23.8





#21

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

RT: 21.68 min Scan# 3002

Delta R.T. 0.02 min

Lab File: BE091017.D

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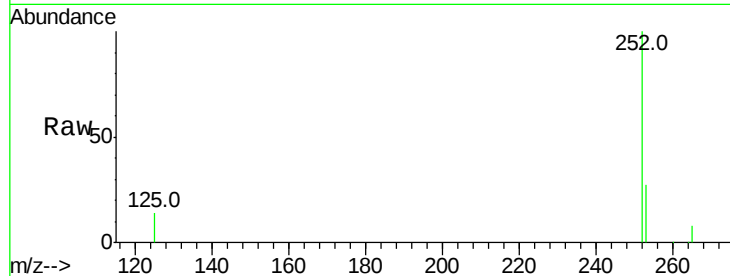
Tot Ion:252 Resp: 67018

Ion Ratio Lower Upper

252 100

253 27.1 0.0 76.2

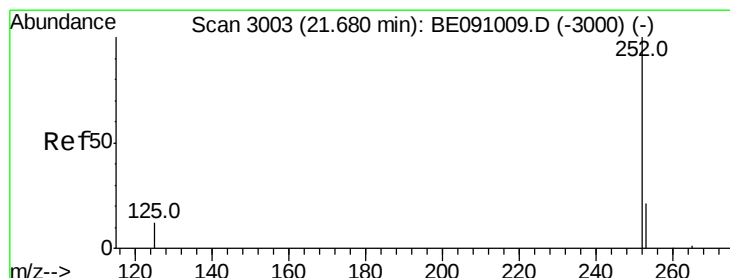
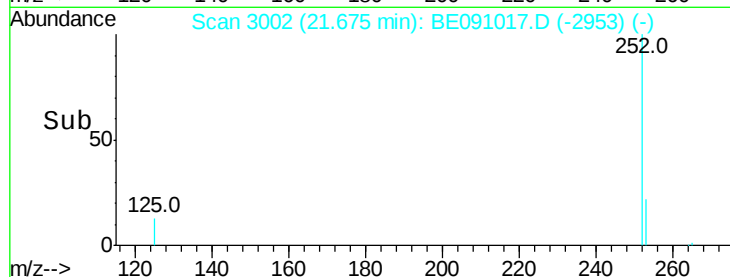
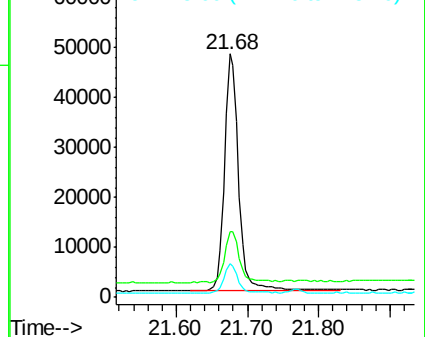
125 13.9 0.0 31.2



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: 0.54 ng/ul

RT: 21.68 min Scan# 3002

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

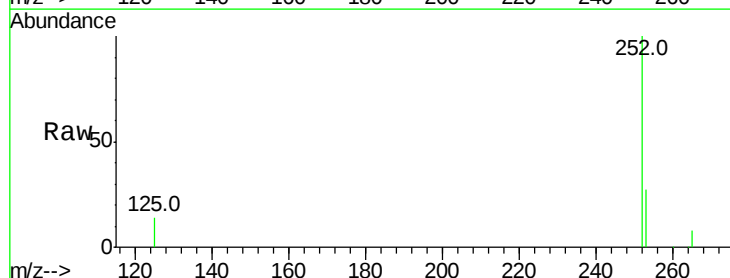
Tgt Ion:252 Resp: 67160

Ion Ratio Lower Upper

252 100

253 27.1 29.8 44.6#

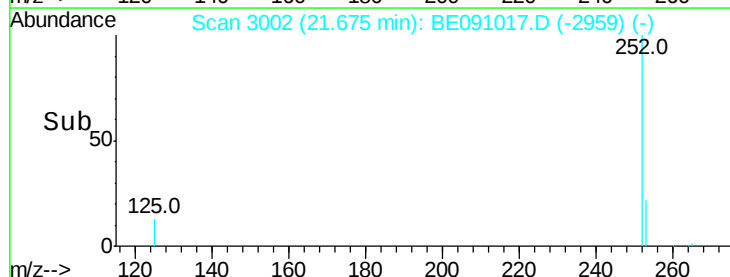
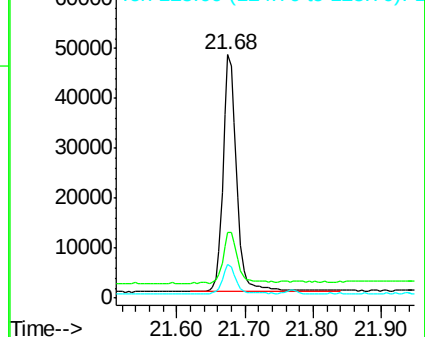
125 13.9 12.2 18.4

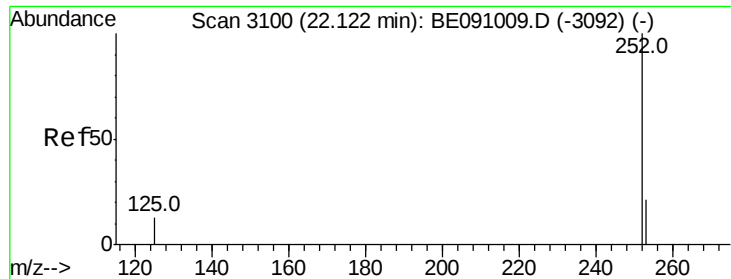


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.11 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampled :

X2058

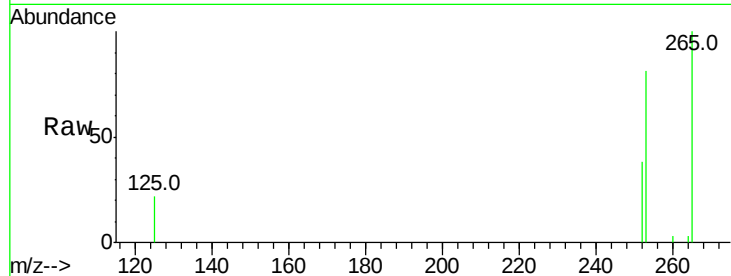
Tot Ion:252 Resp: 145

Ion Ratio Lower Upper

252 100

253 209.7 34.0 51.0#

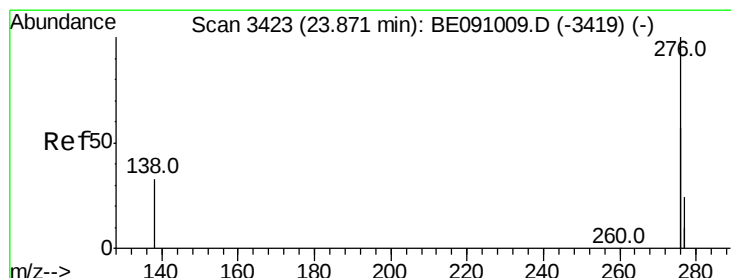
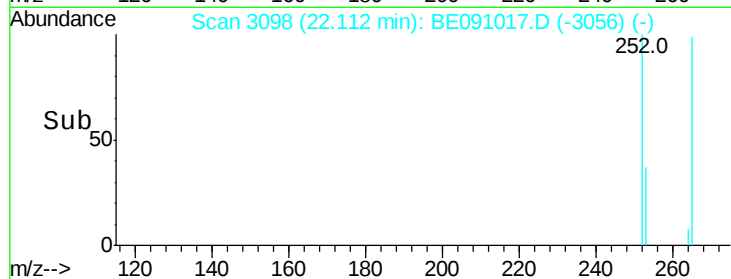
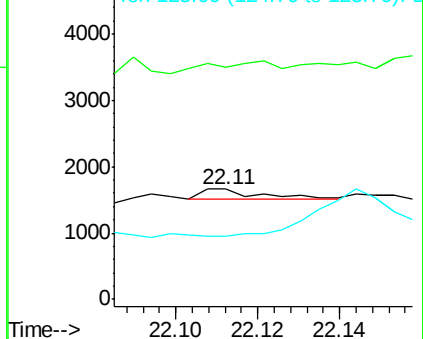
125 57.1 13.6 20.4#



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: 0.94 ng/ul

RT: 23.87 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

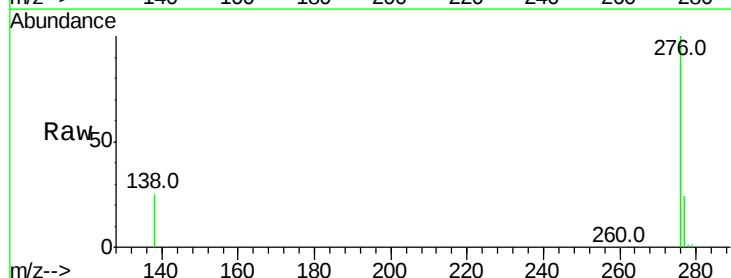
Tgt Ion:276 Resp: 446784

Ion Ratio Lower Upper

276 100

138 23.0 19.5 29.3

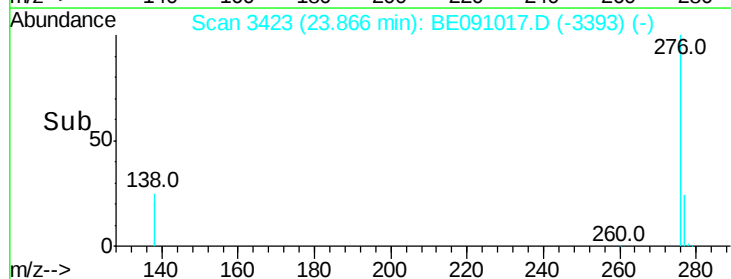
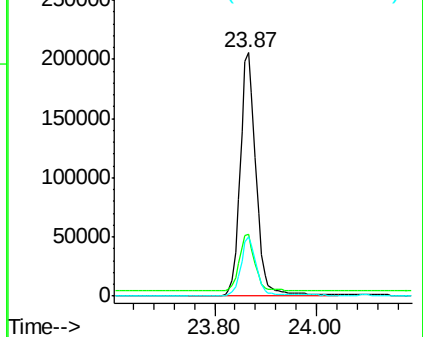
277 23.5 19.4 29.0

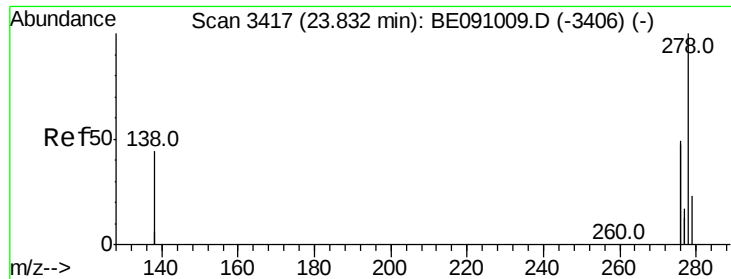


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.03 ng/ul

RT: 23.87 min Scan# 3423

Delta R.T. 0.03 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

Instrument :

BNA_E

ClientSampleId :

X2058

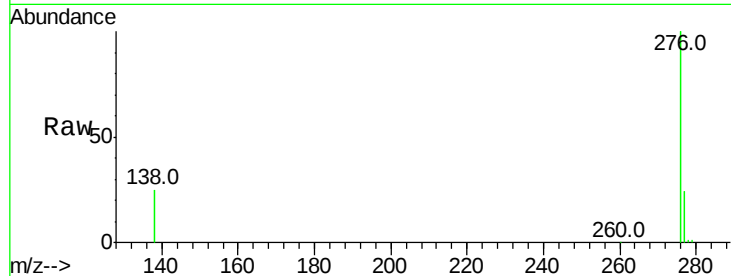
Tot Ion:278 Resp: 3235

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

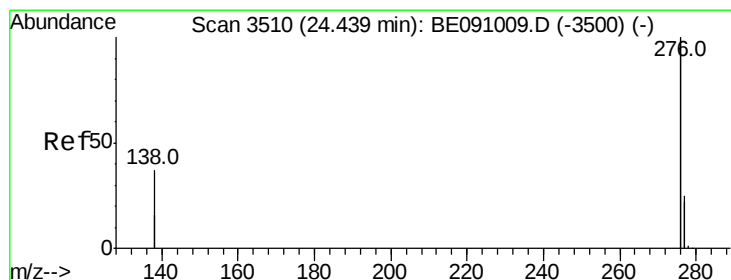
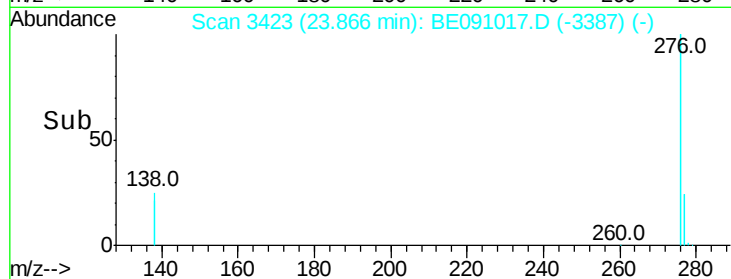
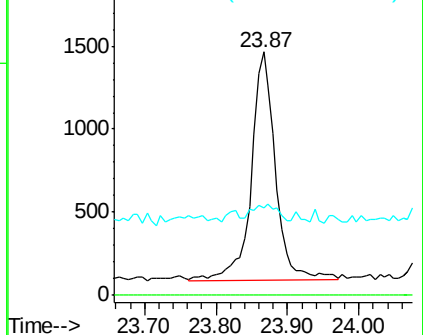
279 35.7 22.1 33.1#



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: 1.00 ng/ul

RT: 24.43 min Scan# 3510

Delta R.T. -0.01 min

Lab File: BE091017.D

Acq: 15 Oct 2015 12:02

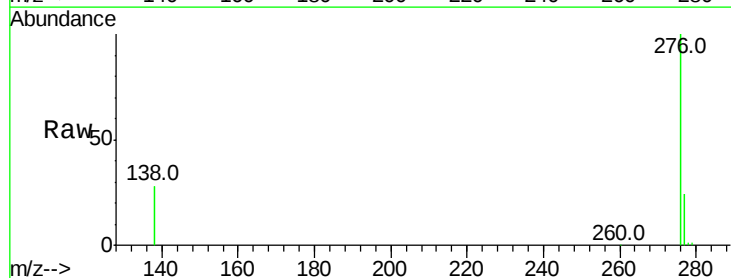
Tgt Ion:276 Resp: 499449

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.8

138 27.5 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

