

Data Path : U:\HPCHEM1\BNA E\DATA\BE121515\
 Data File : BE091342.D
 Acq On : 15 Dec 2015 3:34
 Operator : UM/SJ
 Sample : SSTD3.276
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

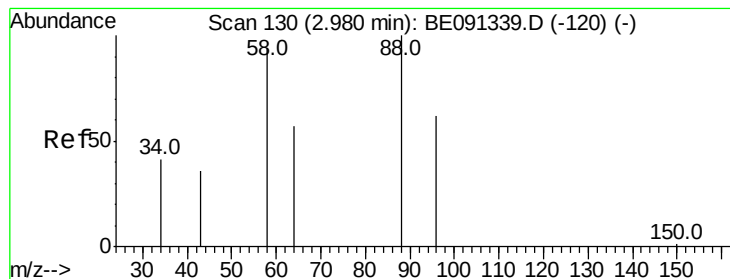
Quant Time: Dec 15 04:37:22 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 04:30:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4168	0.40	ng/ul	-0.05
4) Naphthalene-d8	9.56	136	15890	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	4470	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.08	188	13906	0.40	ng/ul	-0.02
18) Chrysene-d12	20.22	240	17961	0.40	ng/ul	-0.01
22) Perylene-d12	22.10	264	9970	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.89	96	44837	13.12	ng/uL	-0.06
6) 2-Methylnaphthalene-d10	11.05	152	34583	2.82	ng/ul	-0.04
16) Fluoranthene-d10	18.06	212	90640	2.90	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	2.91	88	54157	13.88	ng/ul	97
5) Naphthalene	9.60	128	111947	3.16	ng/ul#	92
7) 2-Methylnaphthalene	11.12	142	48609	3.46	ng/ul	95
9) Acenaphthylene	13.11	152	85827	3.52	ng/ul	94
10) Acenaphthene	13.42	153	67106	3.64	ng/ul	92
11) Fluorene	14.40	166	132838	5.16	ng/ul	92
13) Pentachlorophenol	15.85	266	3741	4.49	ng/ul#	83
14) Phenanthrene	16.11	178	587547	3.99	ng/ul	95
15) Anthracene	16.20	178	614545	5.18	ng/ul	94
17) Fluoranthene	18.09	202	718443	4.62	ng/ul	97
19) Pyrene	18.47	202	463757	2.17	ng/ul	99
20) Benzo(a)anthracene	20.19	228	91534	2.38	ng/ul	95
21) Chrysene	20.26	228	223669	3.72	ng/ul	96
23) Benzo(b)fluoranthene	21.55	252	133302	4.36	ng/ul	97
24) Benzo(k)fluoranthene	21.58	252	200495	5.47	ng/ul	95
25) Benzo(a)pyrene	22.01	252	112746	3.55	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.70	276	662780	5.36	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.65	278	89844	3.85	ng/ul	95
28) Benzo(g,h,i)perylene	24.25	276	464558	3.66	ng/ul	95

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



#3

1,4-Dioxane

Concen: 13.88 ng/ul

RT: 2.91 min Scan# 120

Delta R.T. -0.07 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

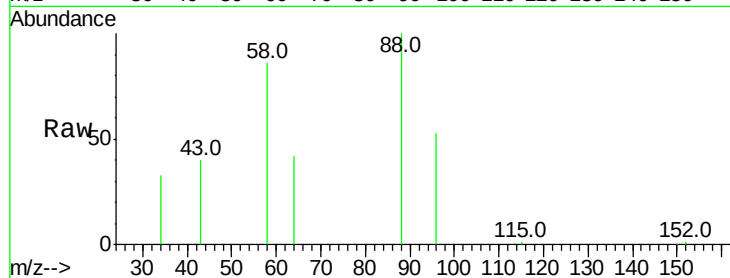
Tot Ion: 88 Resp: 54157

Ion Ratio Lower Upper

88 100

58 91.2 76.0 114.0

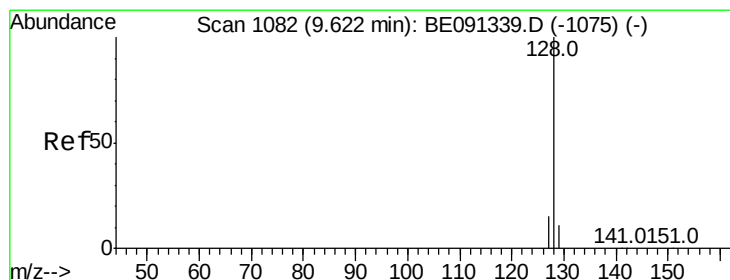
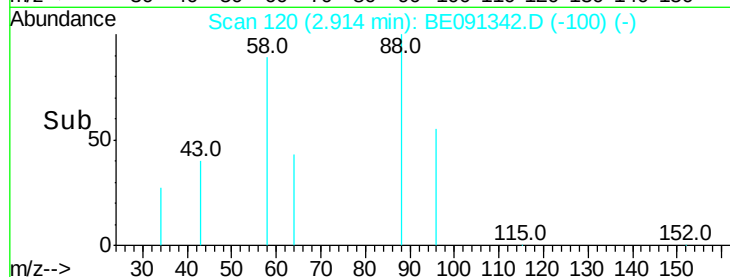
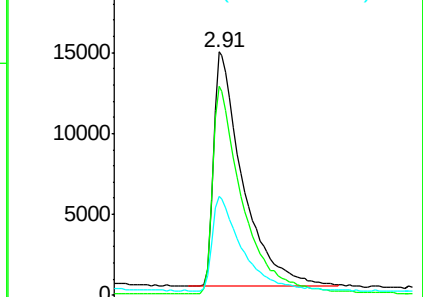
43 41.6 34.3 51.5



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 3.16 ng/ul

RT: 9.60 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

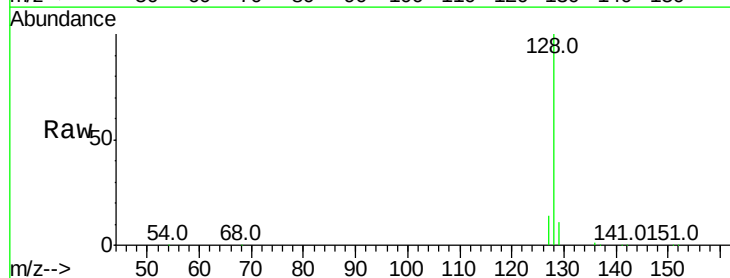
Tgt Ion: 128 Resp: 111947

Ion Ratio Lower Upper

128 100

129 11.2 11.0 16.4

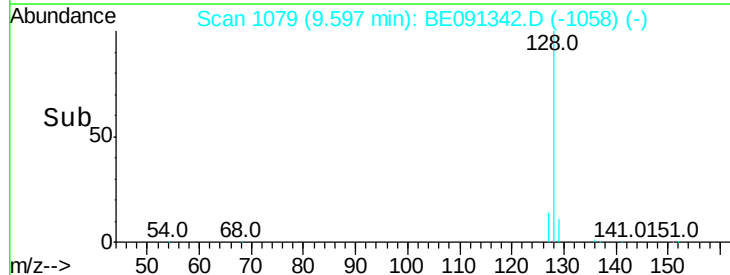
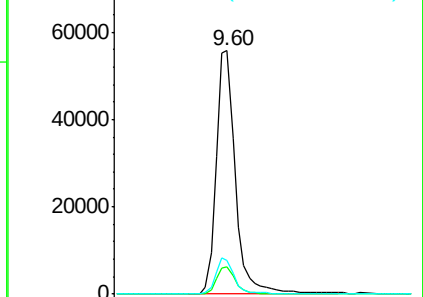
127 13.9 14.3 21.5#

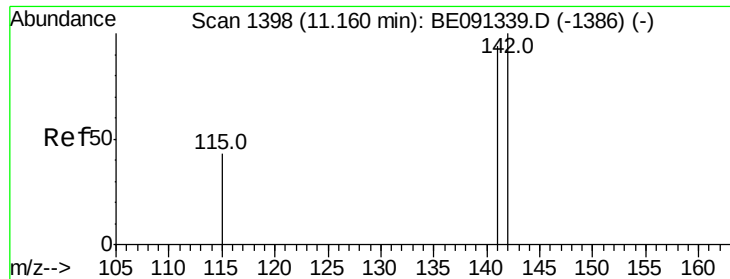


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 3.46 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.04 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

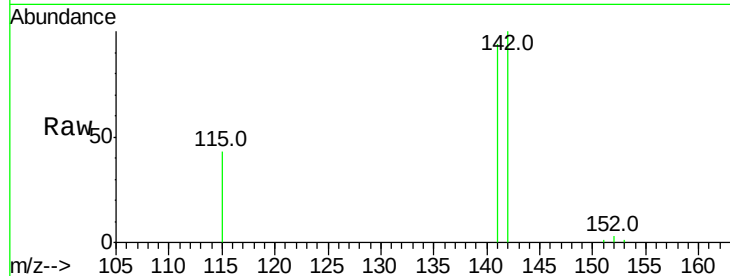
ClientSampleId :

Tot Ion:142 Resp: 48609

Ion Ratio Lower Upper

142 100

141 105.9 89.4 134.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

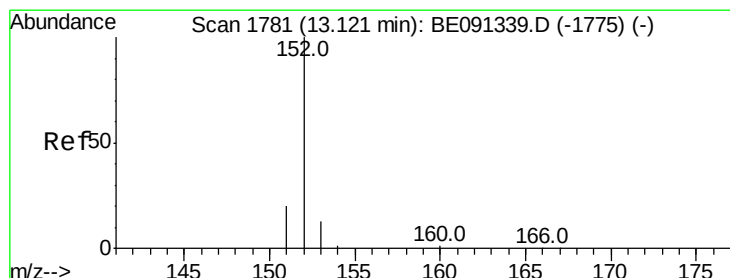
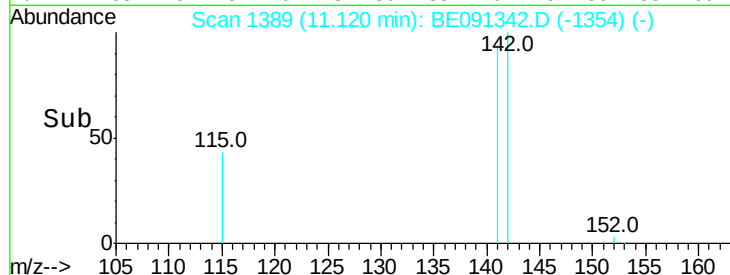
15000

10000

5000

0

Time--> 11.05 11.10 11.15



#9

Acenaphthylene

Concen: 3.52 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

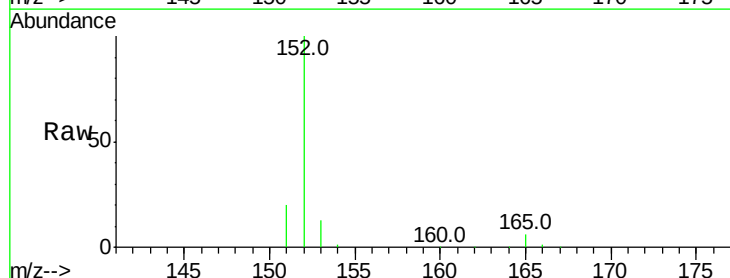
Tgt Ion:152 Resp: 85827

Ion Ratio Lower Upper

152 100

151 19.7 17.8 26.8

153 12.9 12.4 18.6



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

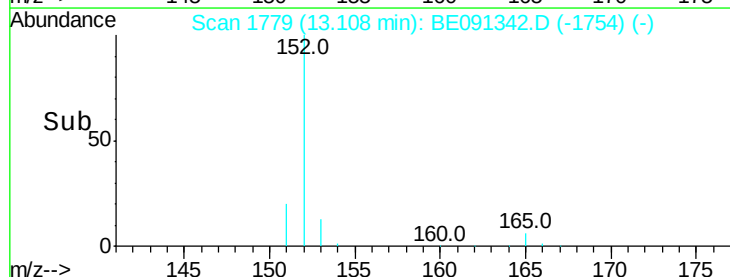
60000

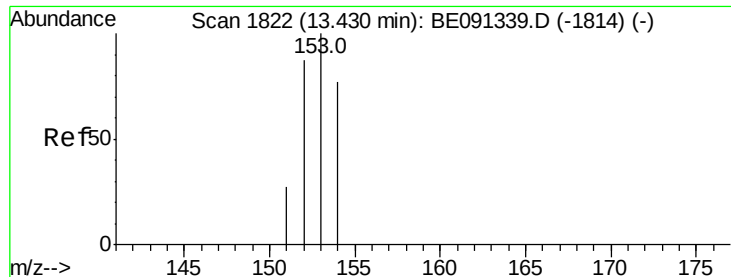
40000

20000

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 3.64 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

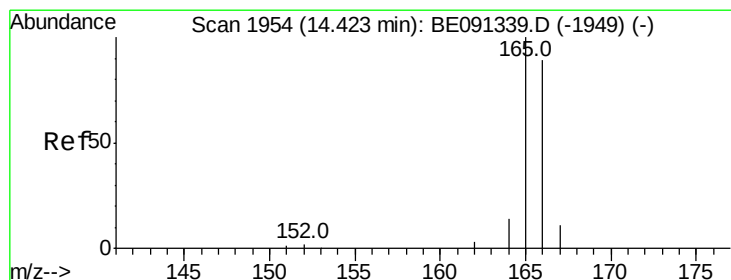
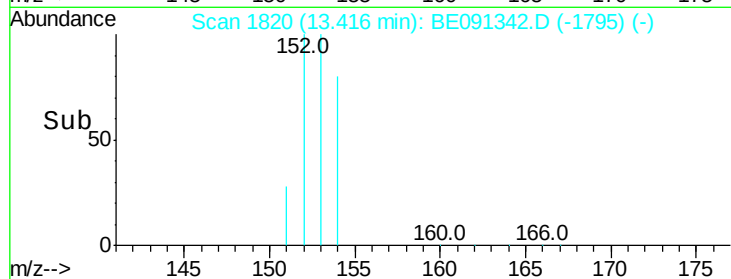
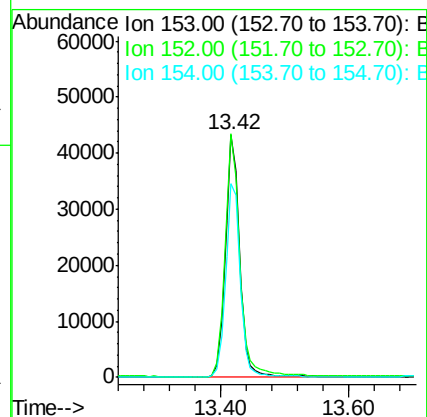
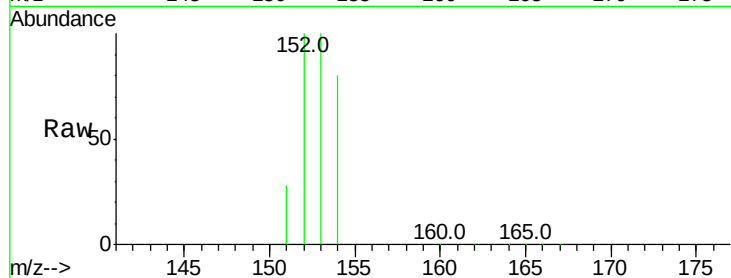
Tot Ion:153 Resp: 67106

Ion Ratio Lower Upper

153 100

152 100.4 70.5 105.7

154 80.0 62.3 93.5



#11

Fluorene

Concen: 5.16 ng/ul

RT: 14.40 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

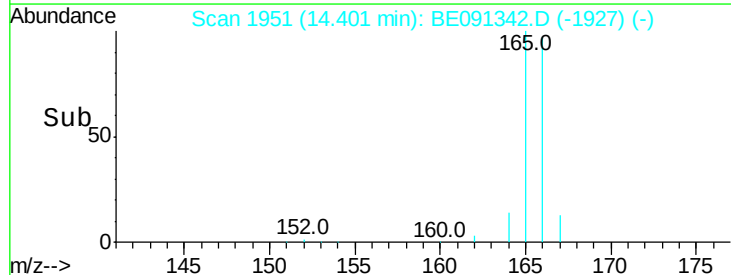
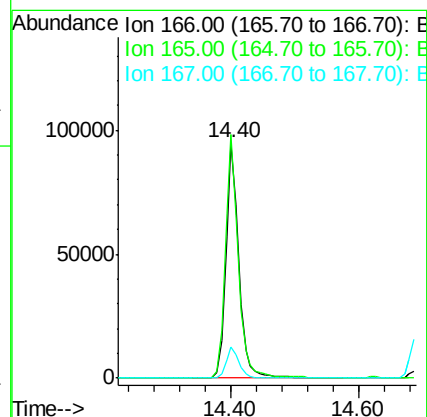
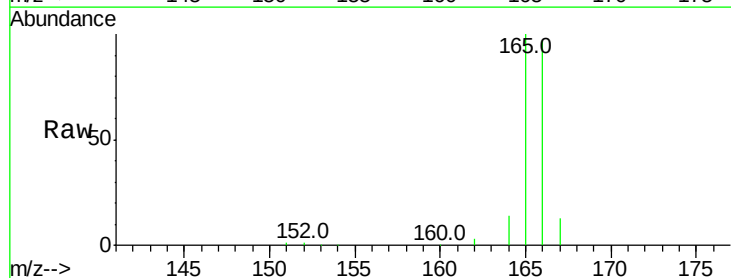
Tgt Ion:166 Resp: 132838

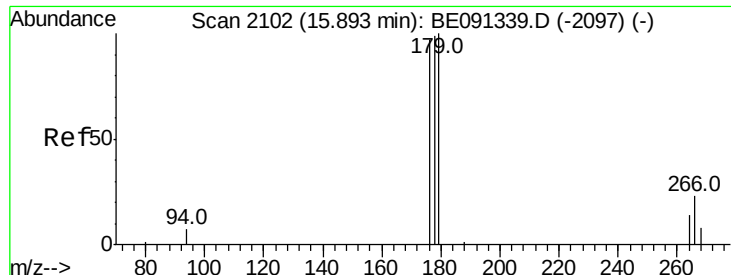
Ion Ratio Lower Upper

166 100

165 103.5 90.2 135.4

167 13.1 12.2 18.2





#13

Pentachlorophenol

Concen: 4.49 ng/ul

RT: 15.85 min Scan# 2098

Delta R.T. -0.05 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

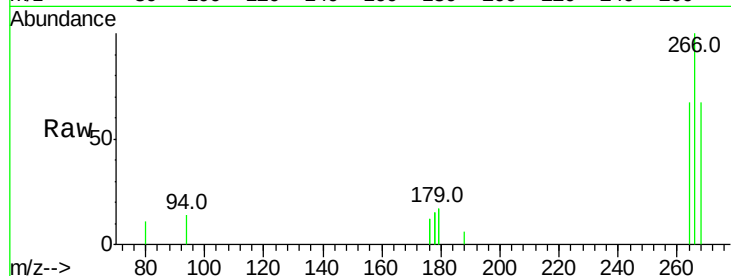
Tot Ion:266 Resp: 3741

Ion Ratio Lower Upper

266 100

264 63.5 54.7 82.1

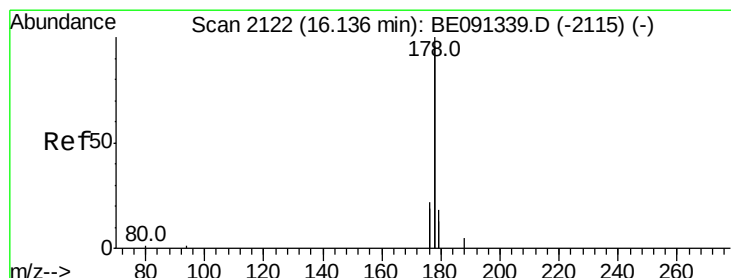
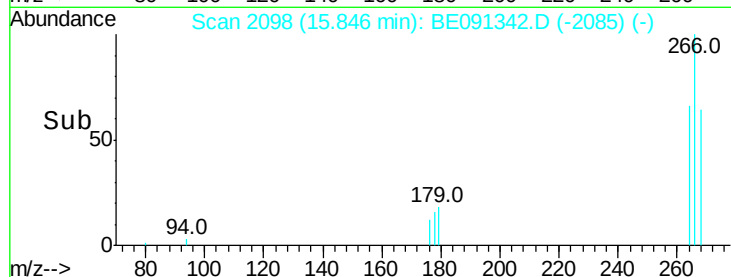
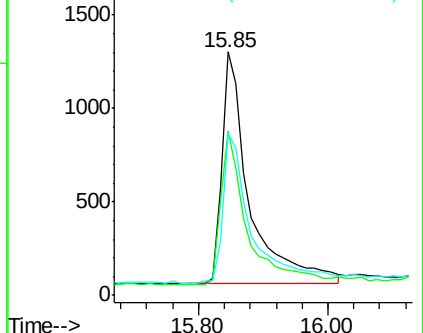
268 67.1 36.2 54.2#



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



#14

Phenanthrene

Concen: 3.99 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.02 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

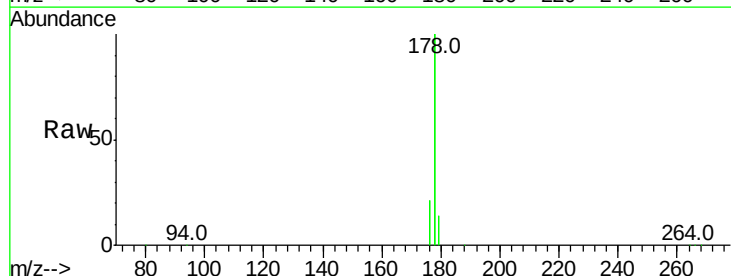
Tgt Ion:178 Resp: 587547

Ion Ratio Lower Upper

178 100

176 21.1 17.8 26.8

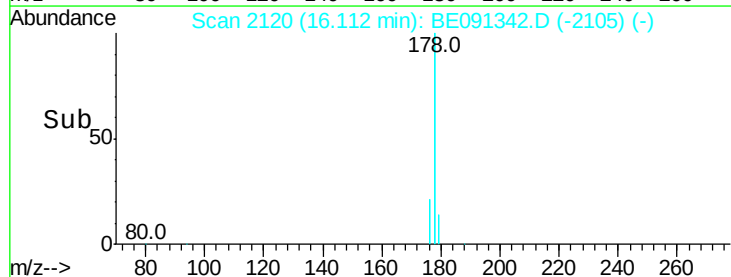
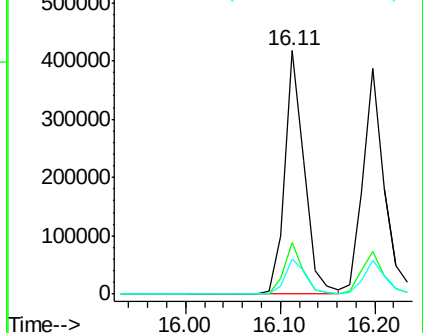
179 14.4 14.0 21.0

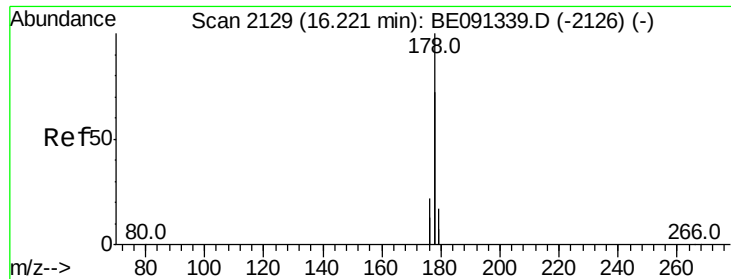


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 5.18 ng/ul

RT: 16.20 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

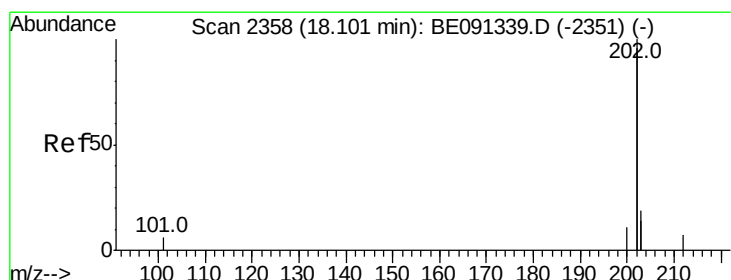
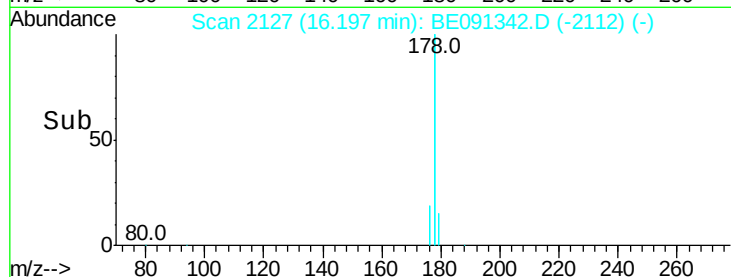
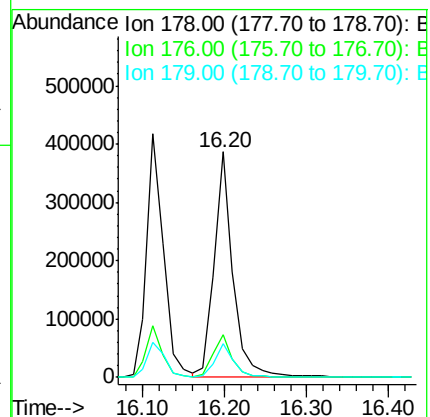
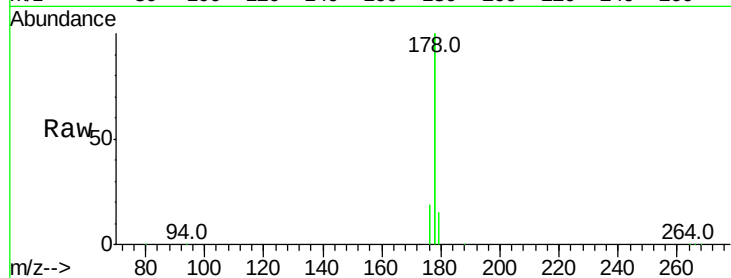
Tot Ion:178 Resp: 614545

Ion Ratio Lower Upper

178 100

176 19.1 17.9 26.9

179 15.0 13.8 20.6



#17

Fluoranthene

Concen: 4.62 ng/ul

RT: 18.09 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

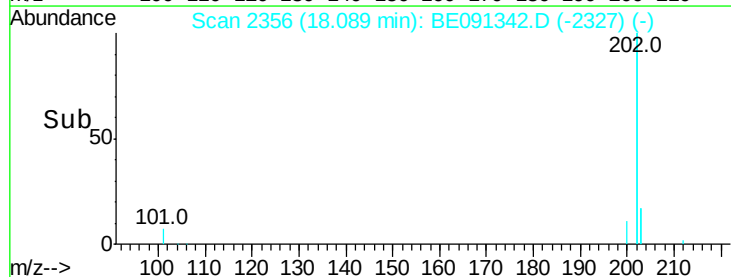
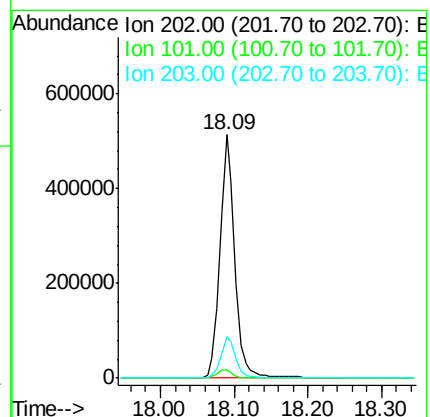
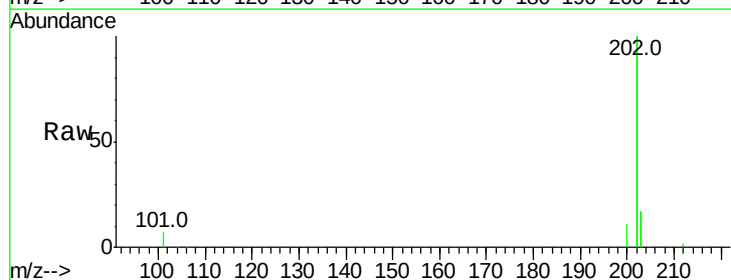
Tgt Ion:202 Resp: 718443

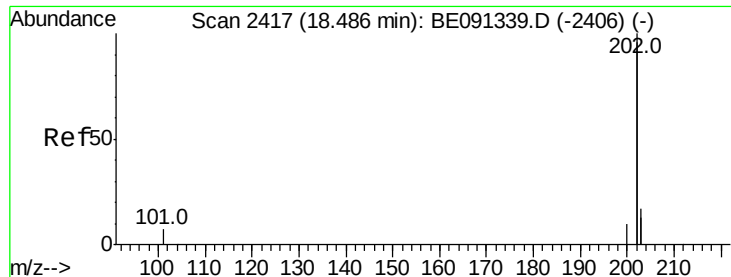
Ion Ratio Lower Upper

202 100

101 3.5 0.0 23.6

203 16.9 0.0 38.7





#19

Pvrene

Concen: 2.17 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

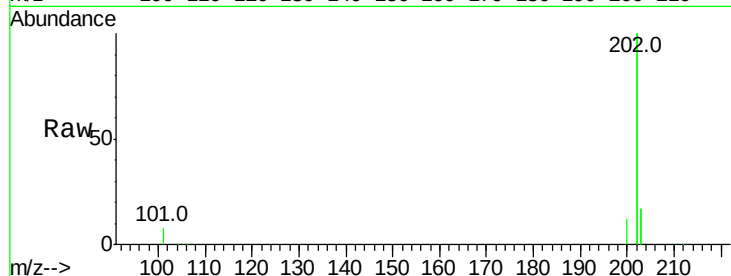
Tot Ion:202 Resp: 463757

Ion Ratio Lower Upper

202 100

200 5.8 4.4 6.6

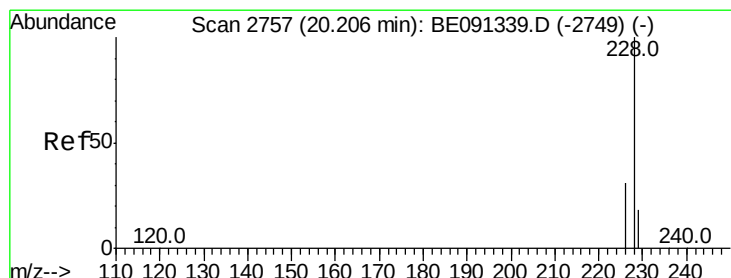
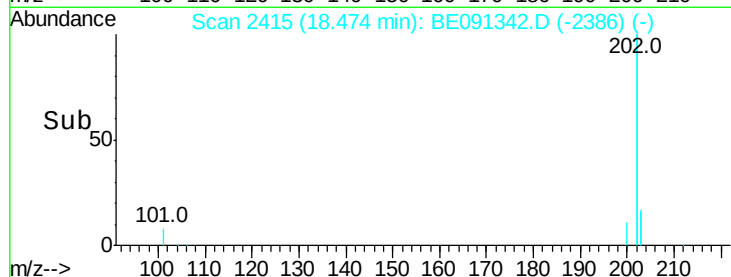
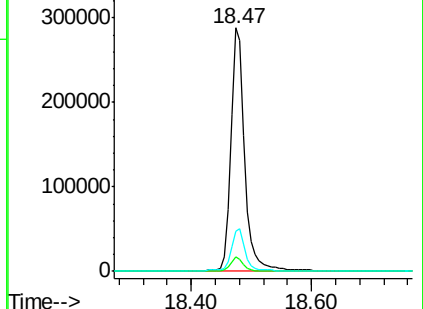
203 16.6 13.8 20.8



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



#20

Benzo(a)anthracene

Concen: 2.38 ng/ul

RT: 20.19 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

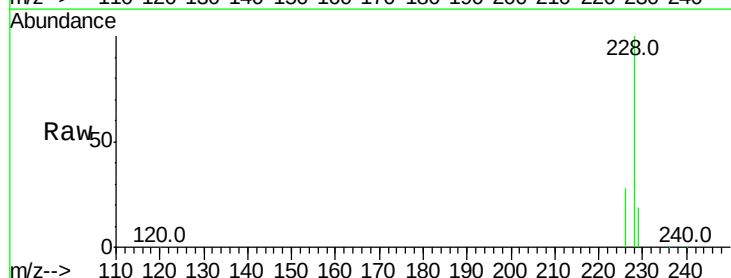
Tgt Ion:228 Resp: 91534

Ion Ratio Lower Upper

228 100

226 28.0 25.8 38.8

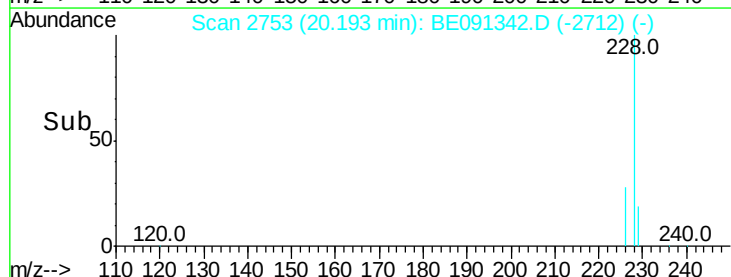
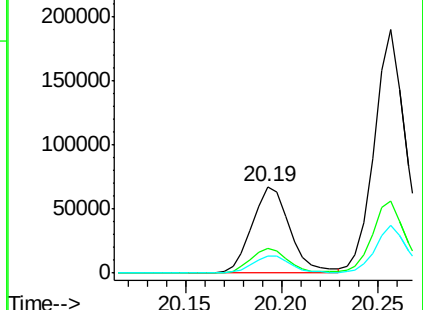
229 19.4 15.6 23.4

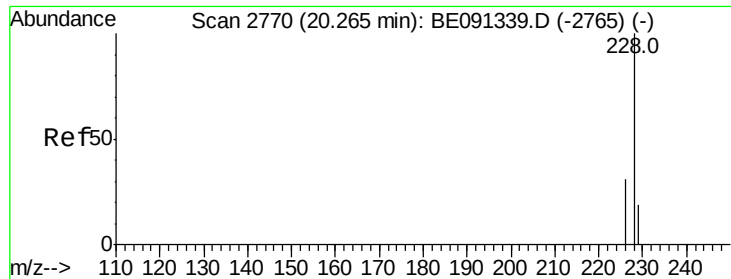


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 3.72 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

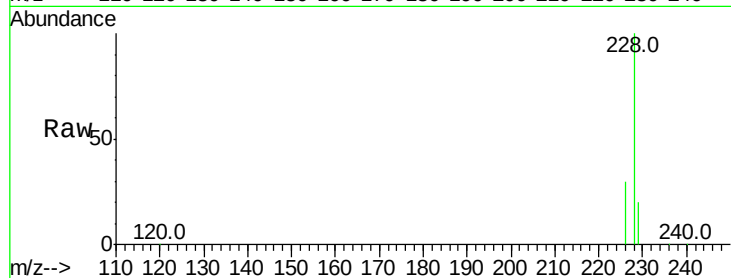
Tot Ion:228 Resp: 223669

Ion Ratio Lower Upper

228 100

226 29.7 26.2 39.4

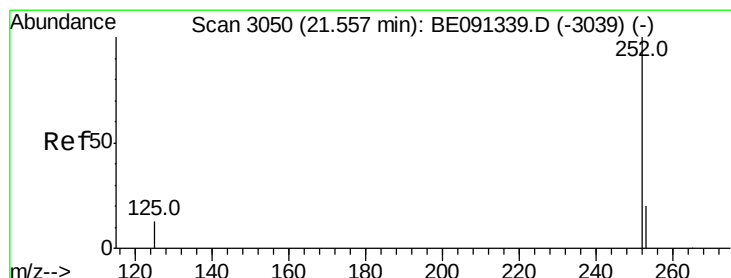
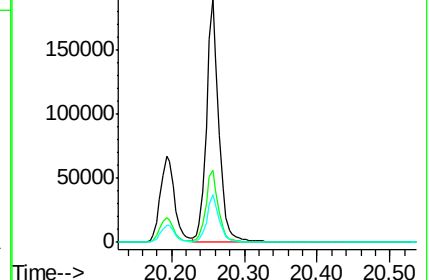
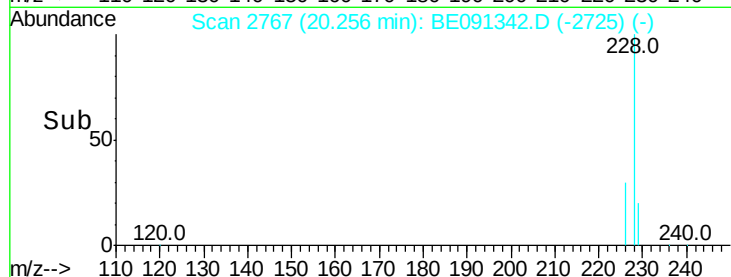
229 19.6 16.2 24.4



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



#23

Benzo(b)fluoranthene

Concen: 4.36 ng/ul

RT: 21.55 min Scan# 3047

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

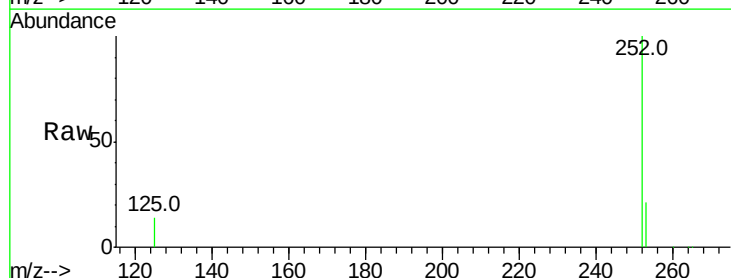
Tgt Ion:252 Resp: 133302

Ion Ratio Lower Upper

252 100

253 21.0 0.0 44.6

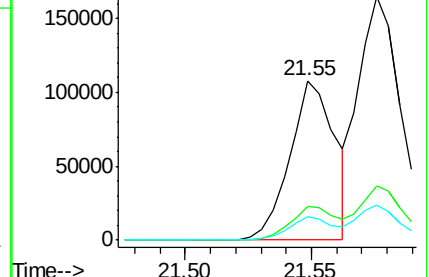
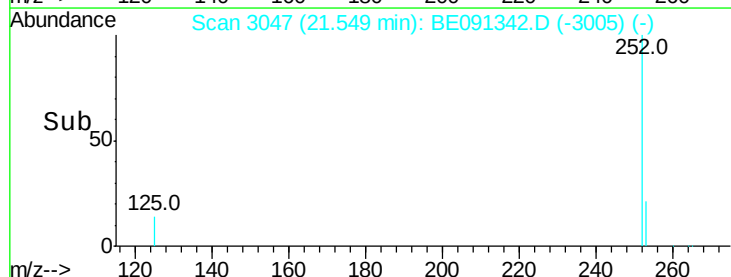
125 14.4 0.0 31.4

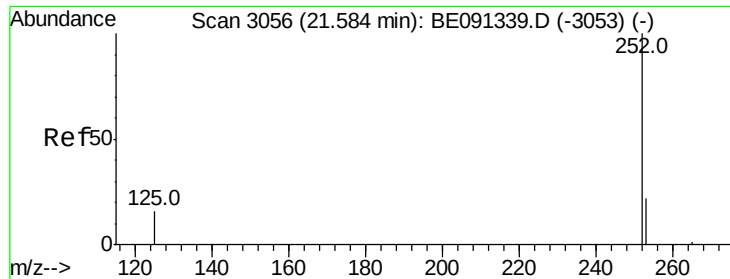


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 5.47 ng/ul

RT: 21.58 min Scan# 3053

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampled :

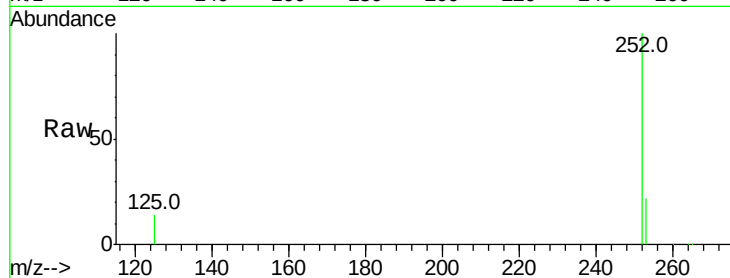
Tot Ion:252 Resp: 200495

Ion Ratio Lower Upper

252 100

253 22.3 20.1 30.1

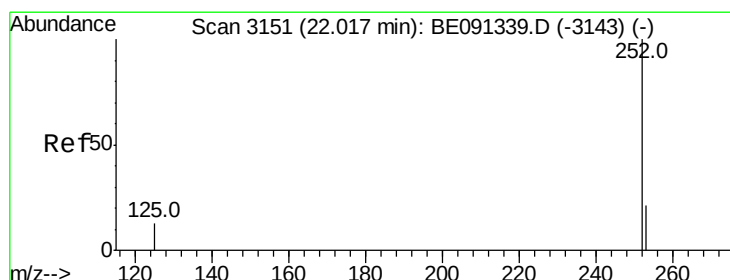
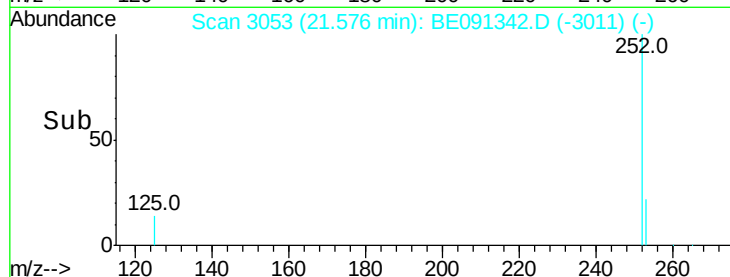
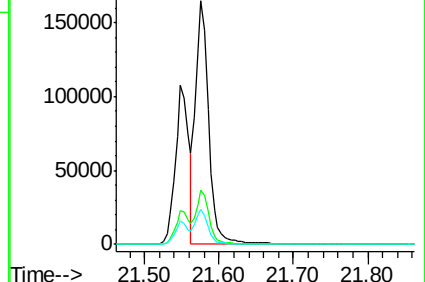
125 14.1 12.9 19.3



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



#25

Benzo(a)pyrene

Concen: 3.55 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

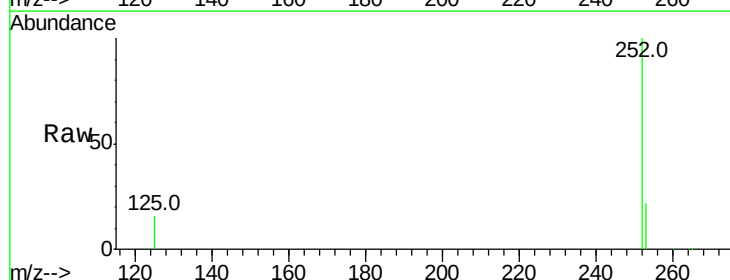
Tgt Ion:252 Resp: 112746

Ion Ratio Lower Upper

252 100

253 21.8 19.3 28.9

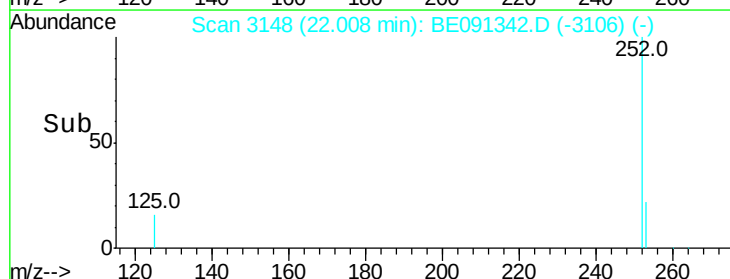
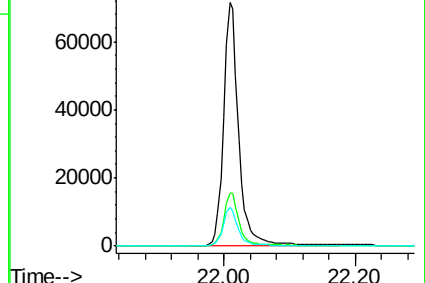
125 16.0 14.2 21.2

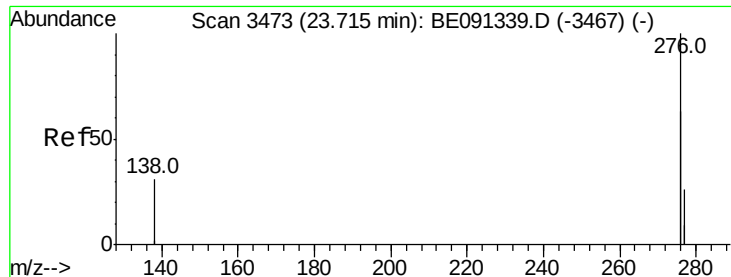


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

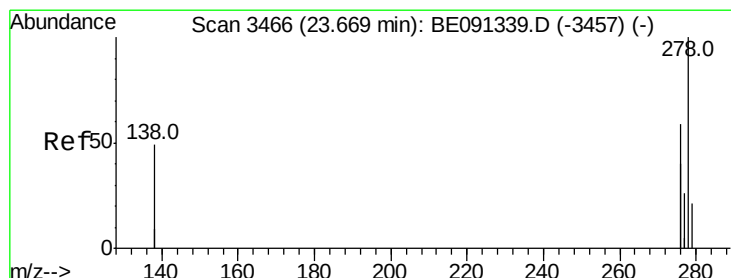
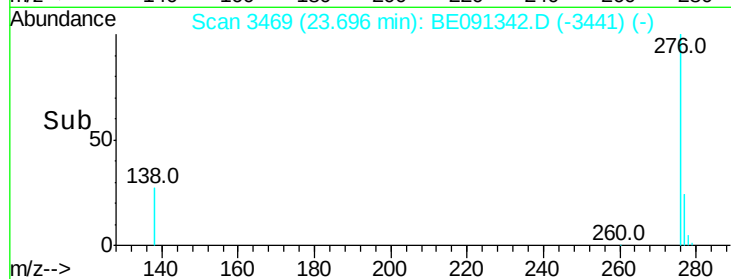
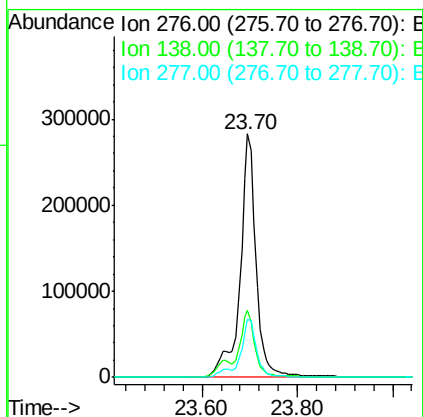
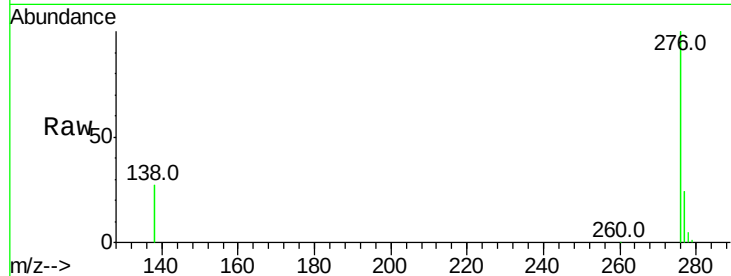




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 5.36 ng/ul
 RT: 23.70 min Scan# 3469
 Delta R.T. -0.02 min
 Lab File: BE091342.D
 Acq: 15 Dec 2015 3:34

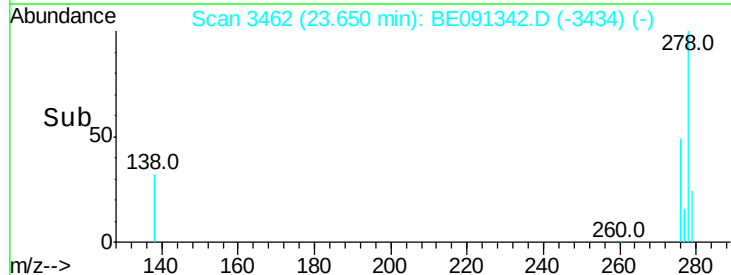
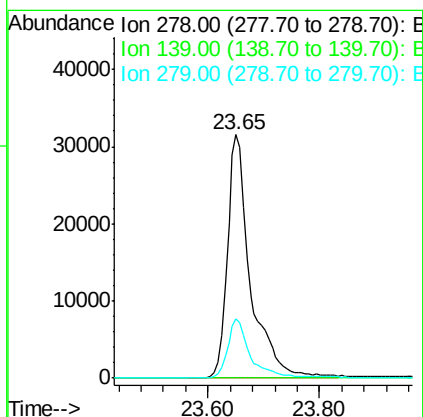
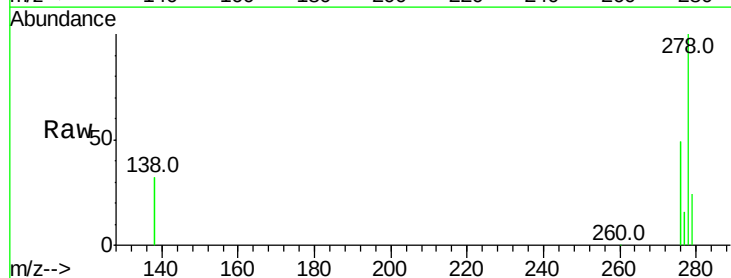
Instrument :
 BNA_E
 ClientSampleId :

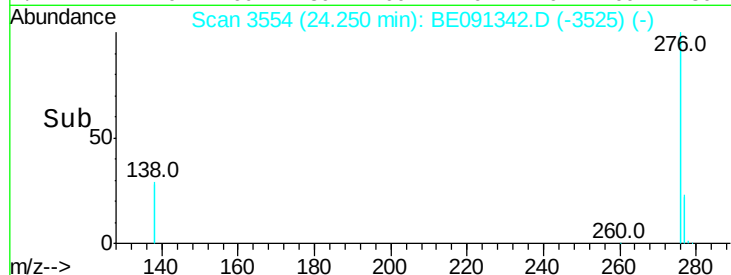
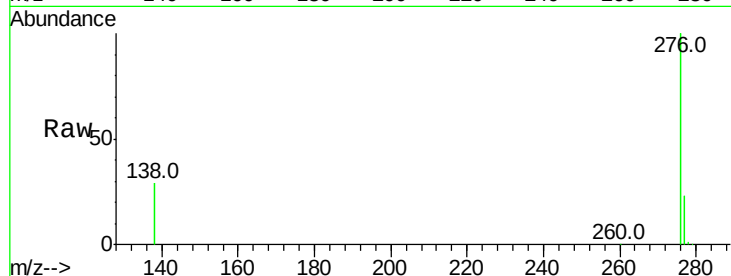
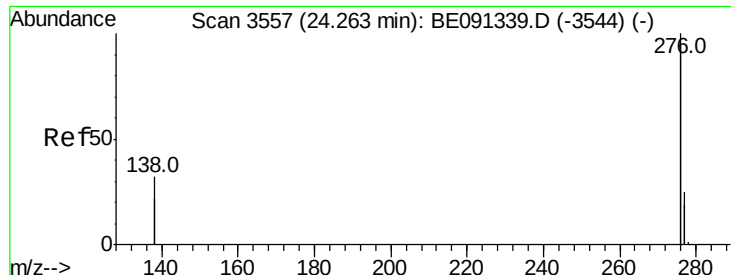
Tot Ion:276 Resp: 662780
 Ion Ratio Lower Upper
 276 100
 138 24.4 23.1 34.7
 277 21.6 23.1 34.7#



#27
 Dibenzo(a,h)anthracene
 Concen: 3.85 ng/ul
 RT: 23.65 min Scan# 3462
 Delta R.T. -0.02 min
 Lab File: BE091342.D
 Acq: 15 Dec 2015 3:34

Tgt Ion:278 Resp: 89844
 Ion Ratio Lower Upper
 278 100
 139 0.0 0.0 0.0
 279 24.2 21.4 32.2





#28

Benzo(a,h,i)perylene

Concen: 3.66 ng/ul

RT: 24.25 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BE091342.D

Acq: 15 Dec 2015 3:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 464558

Ion Ratio Lower Upper

276 100

277 22.7 20.3 30.5

138 29.1 25.3 37.9

