

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE083116\
 Data File : BE092315.D
 Acq On : 31 Aug 2016 13:20
 Operator : UM/SJ
 Sample : MDL-02-S
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-S

Quant Time: Aug 31 15:18:41 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 11:18:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	6035	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	32545	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	19050	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	41354	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	44867	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	42924	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	12225	0.29	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	28770	0.28	ng/ul	0.00

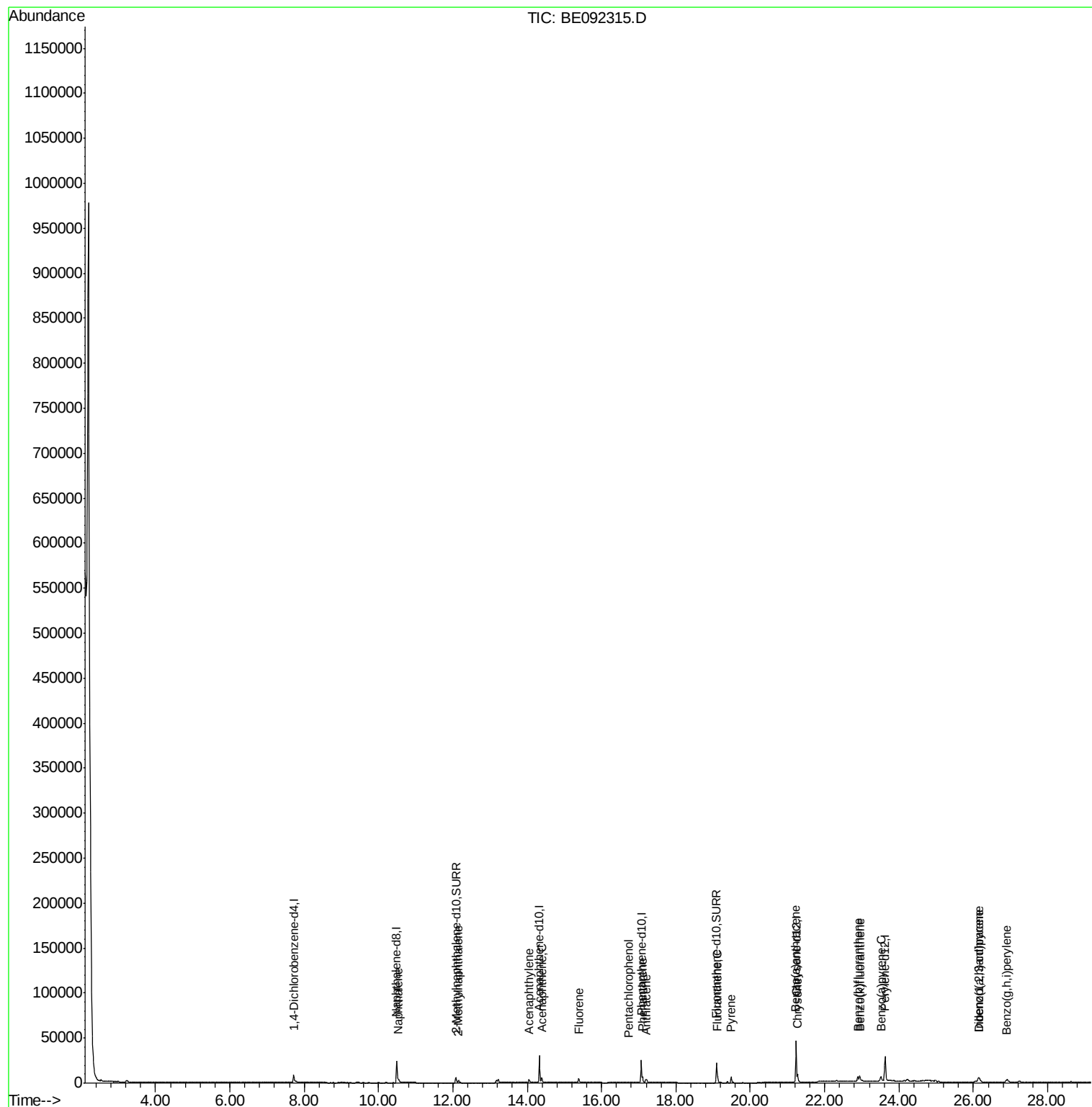
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	4913	0.07	ng/ul	97
5) 2-Methylnaphthalene	12.15	142	3381	0.07	ng/ul	100
7) Acenaphthylene	14.05	152	5573	0.07	ng/ul	99
8) Acenaphthene	14.39	153	3765	0.07	ng/ul	99
9) Fluorene	15.39	166	4182	0.06	ng/ul	99
11) Pentachlorophenol	16.74	266	328	0.07	ng/ul	94
12) Phenanthrene	17.10	178	6944	0.07	ng/ul	97
13) Anthracene	17.21	178	6401	0.07	ng/ul	95
15) Fluoranthene	19.12	202	7878	0.07	ng/ul	96
17) Pyrene	19.49	202	8376	0.08	ng/ul#	100
18) Benzo(a)anthracene	21.22	228	7732	0.08	ng/ul	94
19) Chrysene	21.27	228	8042	0.07	ng/ul	94
21) Benzo(b)fluoranthene	22.90	252	7389	0.07	ng/ul#	71
22) Benzo(k)fluoranthene	22.94	252	8350	0.07	ng/ul#	70
23) Benzo(a)pyrene	23.52	252	8015	0.07	ng/ul#	62
24) Indeno(1,2,3-cd)pyrene	26.14	276	8570	0.07	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.15	278	6854	0.07	ng/ul#	77
26) Benzo(g,h,i)perylene	26.91	276	7339	0.07	ng/ul#	85

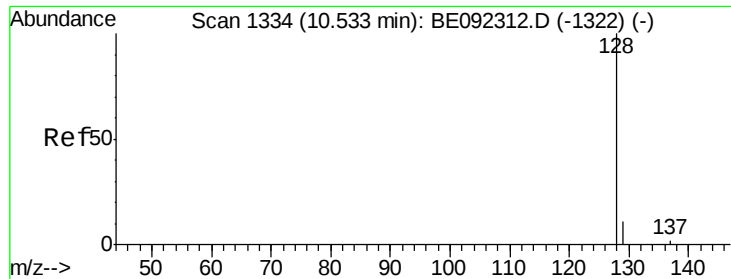
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

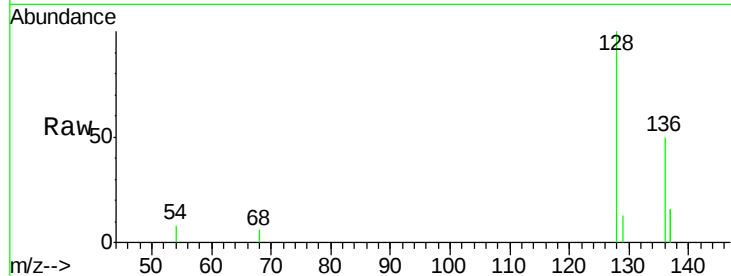
Tgt Ion:128 Resp: 4913

Ion Ratio Lower Upper

128 100

129 13.4 9.7 14.5

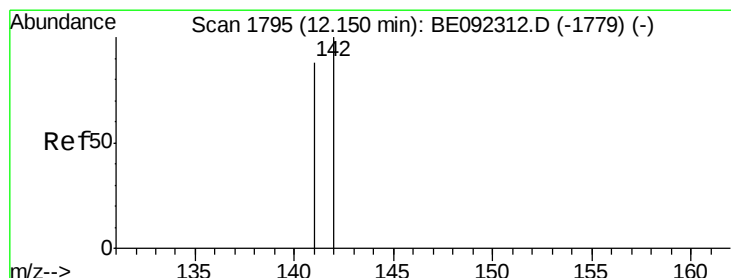
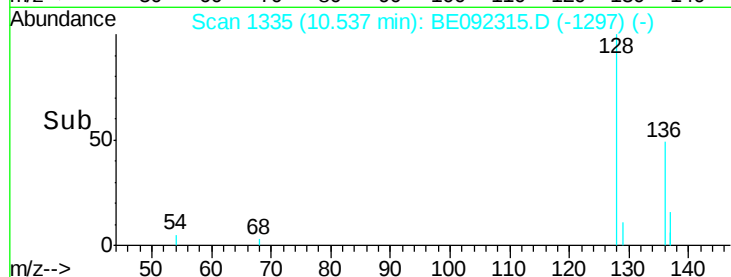
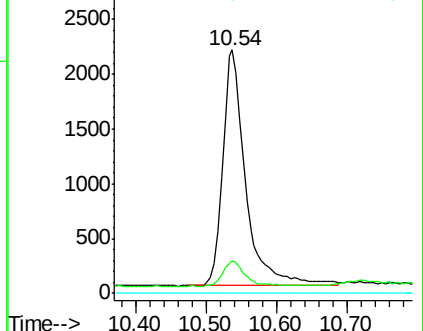
127 0.0 0.0 0.0



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: 0.07 ng/ul

RT: 12.15 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BE092315.D

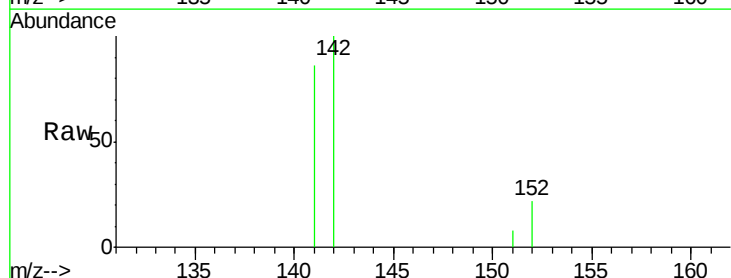
Acq: 31 Aug 2016 13:20

Tgt Ion:142 Resp: 3381

Ion Ratio Lower Upper

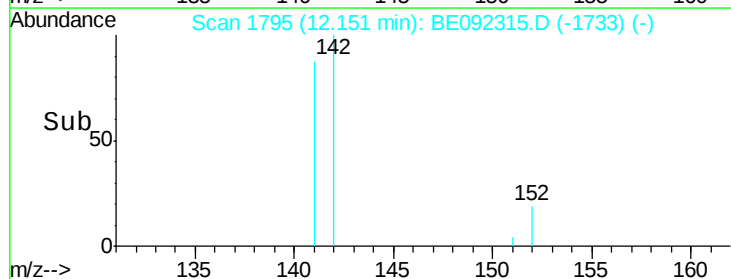
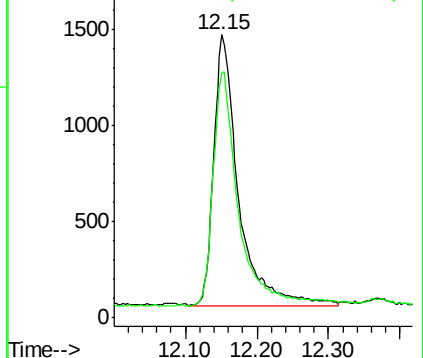
142 100

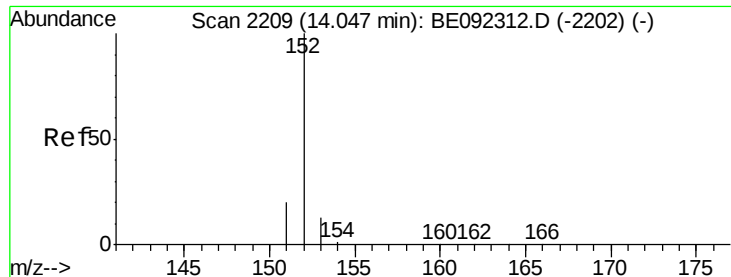
141 89.7 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 14.05 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

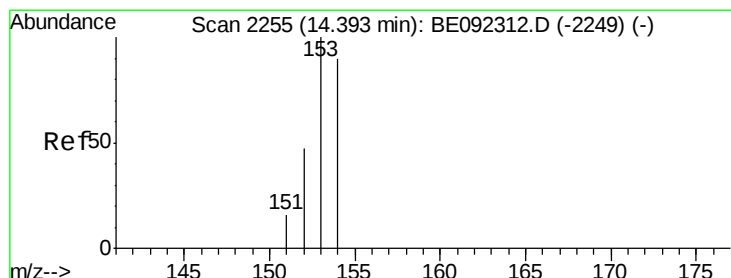
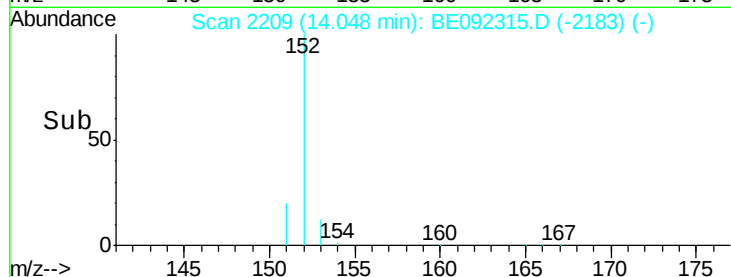
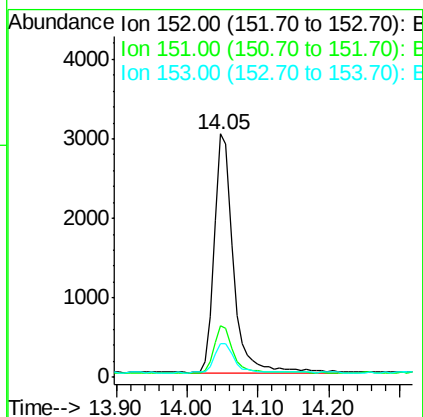
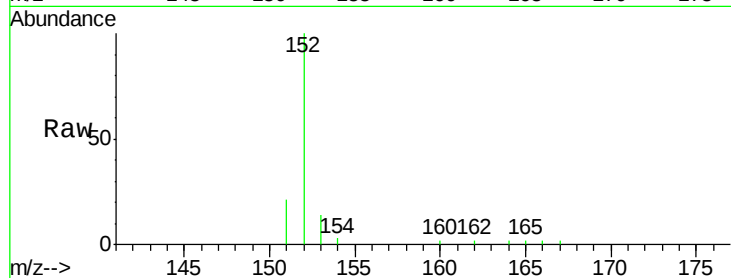
Tgt Ion:152 Resp: 5573

Ion Ratio Lower Upper

152 100

151 21.2 16.2 24.2

153 14.0 11.2 16.8



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.39 min Scan# 2255

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

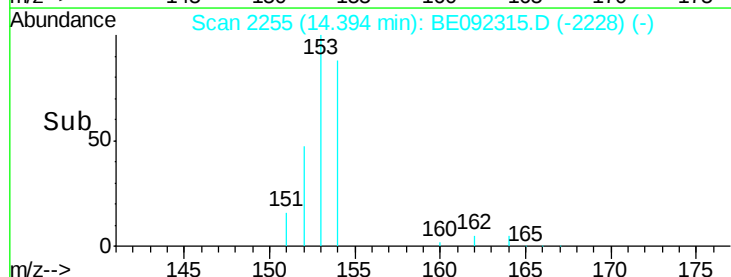
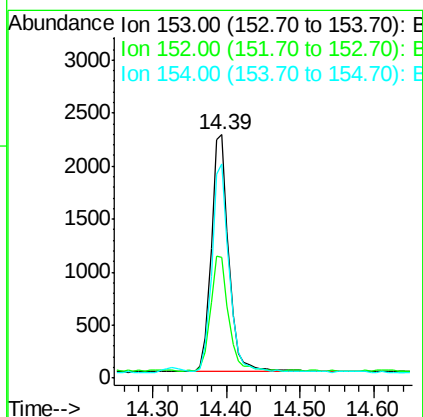
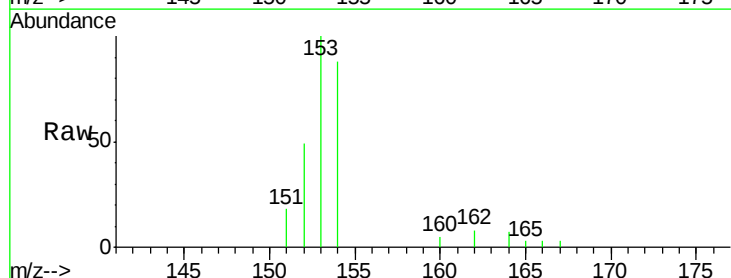
Tgt Ion:153 Resp: 3765

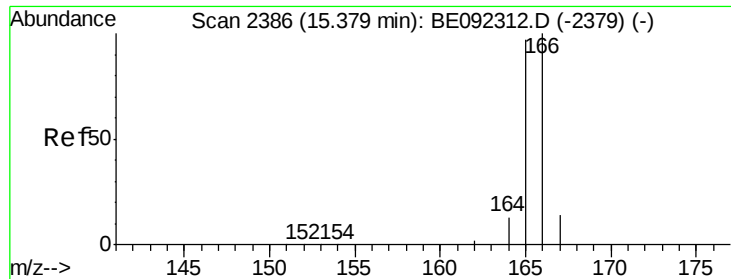
Ion Ratio Lower Upper

153 100

152 49.5 40.9 61.3

154 88.0 70.6 106.0





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.39 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

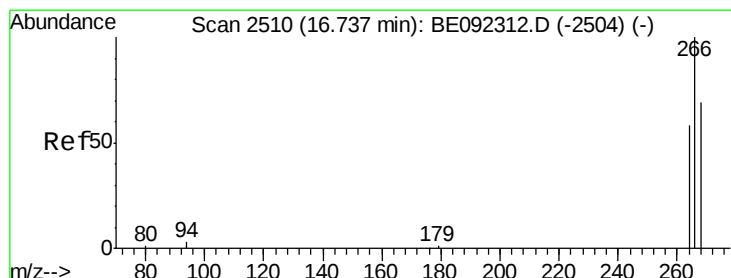
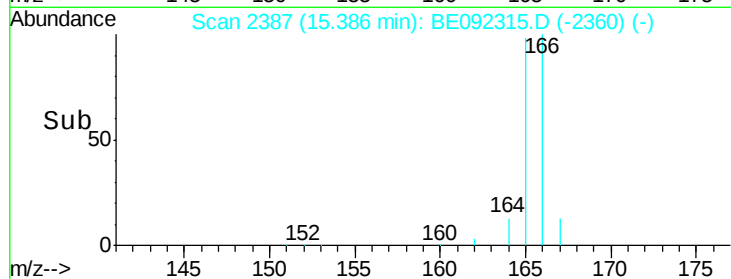
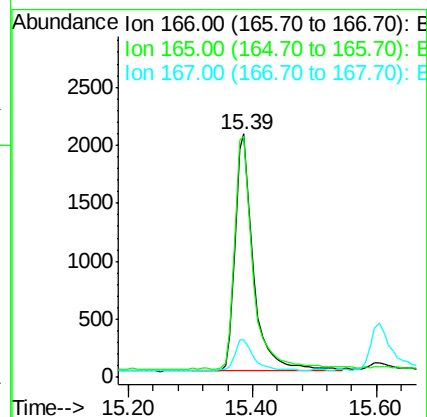
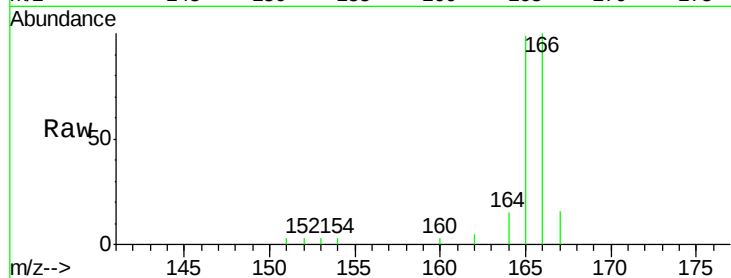
Tgt Ion:166 Resp: 4182

Ion Ratio Lower Upper

166 100

165 98.8 78.7 118.1

167 15.5 11.5 17.3



#11

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 16.74 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

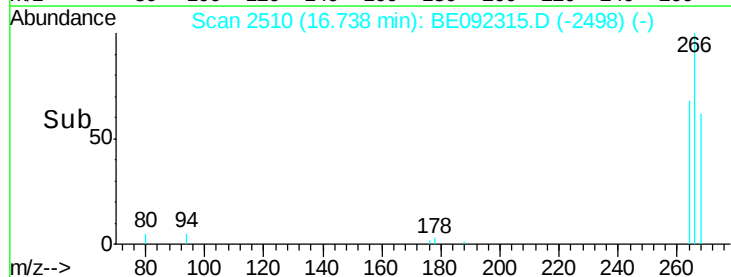
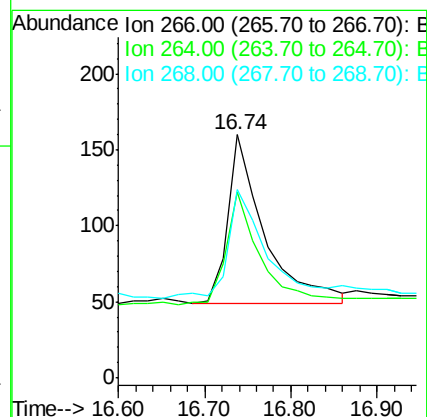
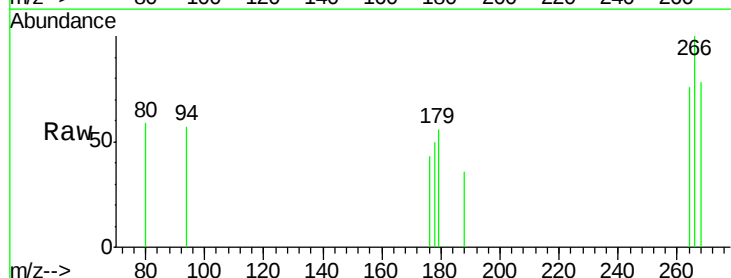
Tgt Ion:266 Resp: 328

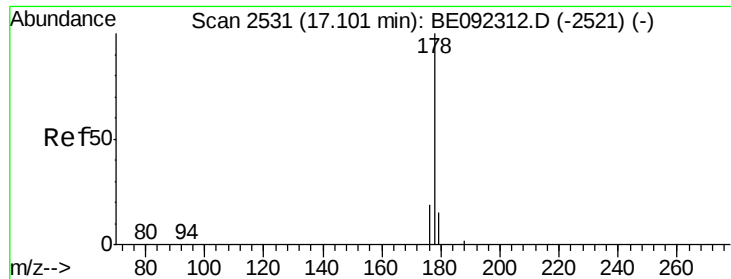
Ion Ratio Lower Upper

266 100

264 64.9 53.0 79.6

268 73.8 52.3 78.5

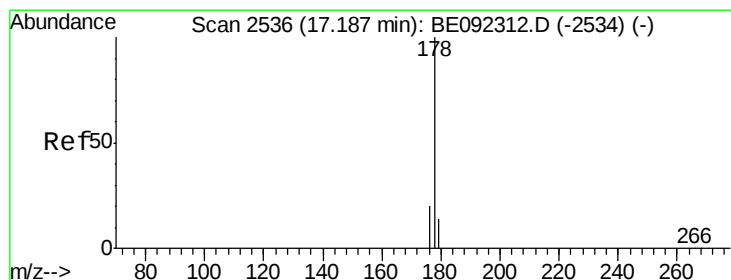
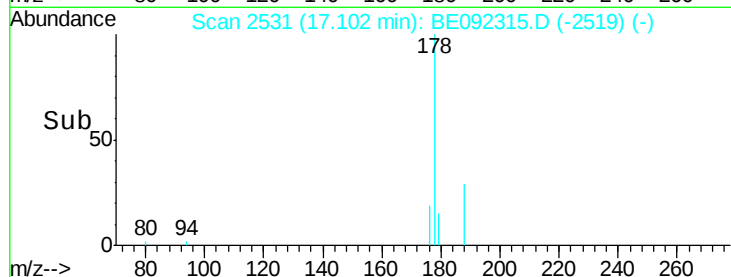
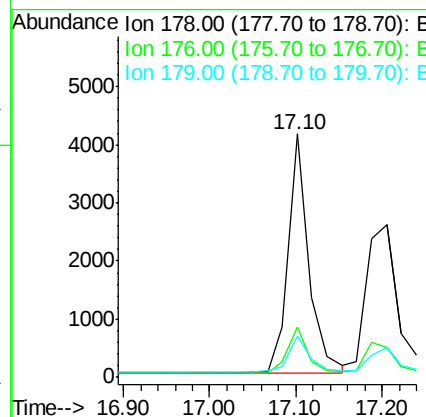
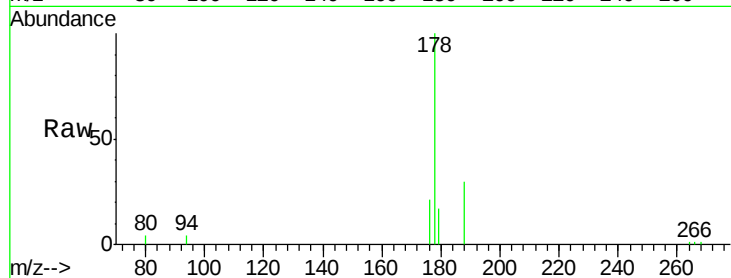




#12
Phenanthrene
Concen: 0.07 ng/ul
RT: 17.10 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BE092315.D
Acq: 31 Aug 2016 13:20

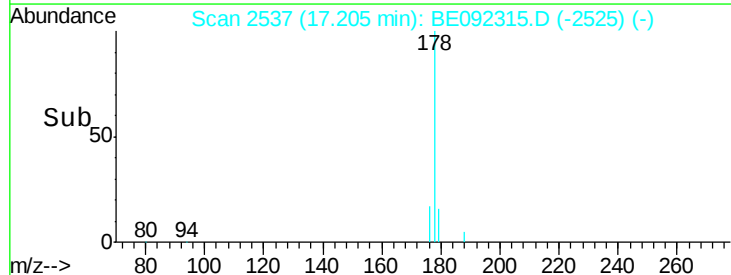
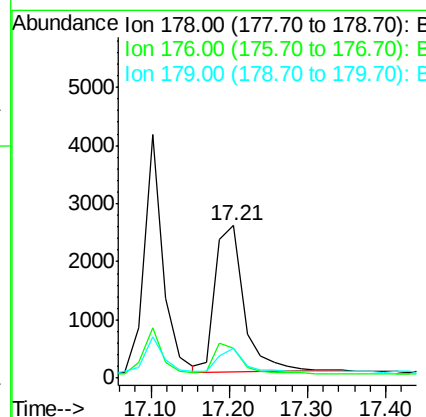
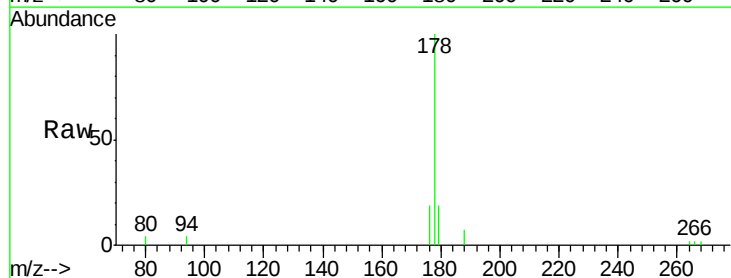
Instrument :
BNA_E
ClientSampleId :
MDL-02-S

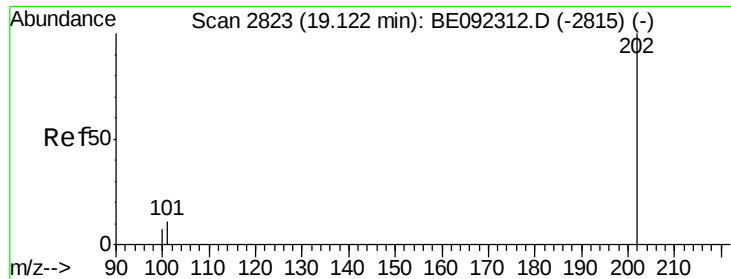
Tgt Ion:178 Resp: 6944
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 16.8 11.9 17.9



#13
Anthracene
Concen: 0.07 ng/ul
RT: 17.21 min Scan# 2537
Delta R.T. 0.00 min
Lab File: BE092315.D
Acq: 31 Aug 2016 13:20

Tgt Ion:178 Resp: 6401
Ion Ratio Lower Upper
178 100
176 19.3 14.0 21.0
179 19.4 13.6 20.4





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.12 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

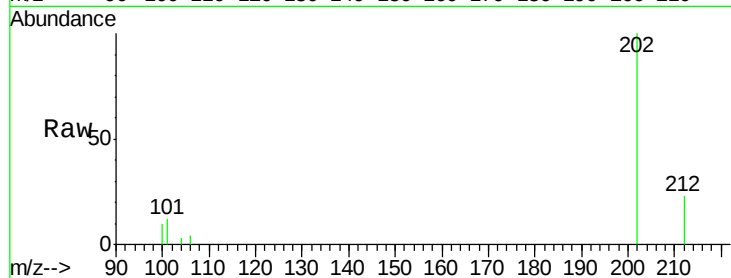
Tgt Ion:202 Resp: 7878

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.8

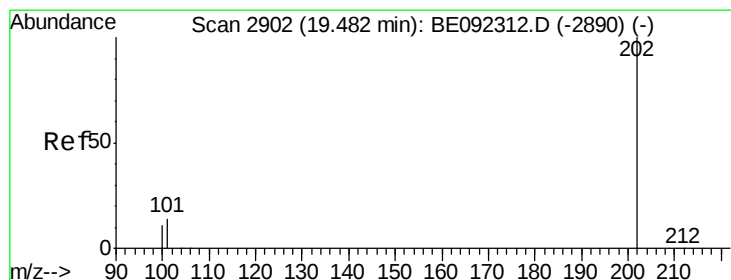
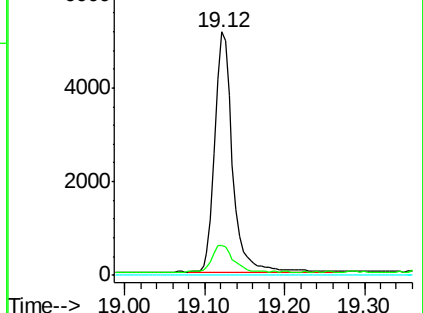
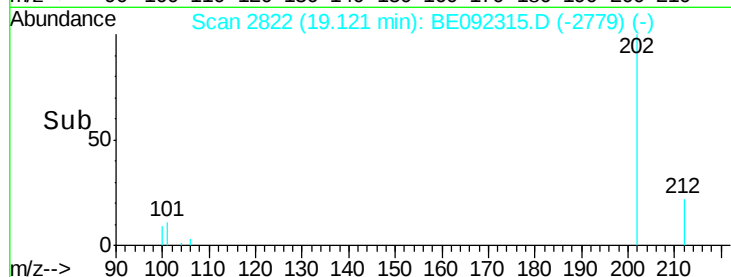
203 0.0 0.0 20.0



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: 0.08 ng/ul

RT: 19.49 min Scan# 2902

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

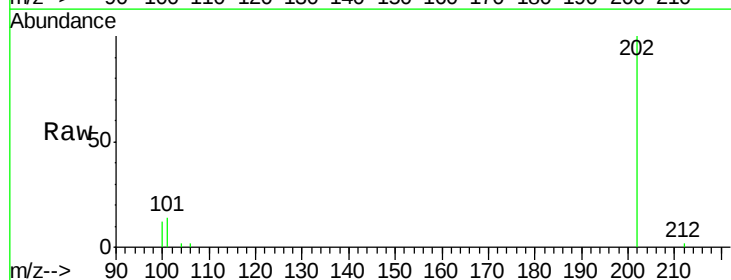
Tgt Ion:202 Resp: 8376

Ion Ratio Lower Upper

202 100

101 14.4 0.0 0.0#

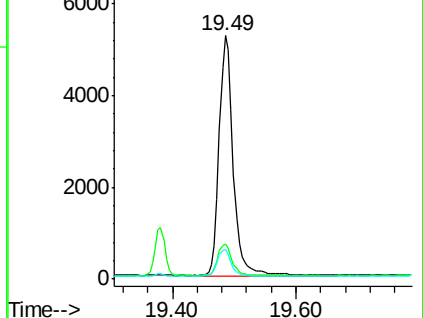
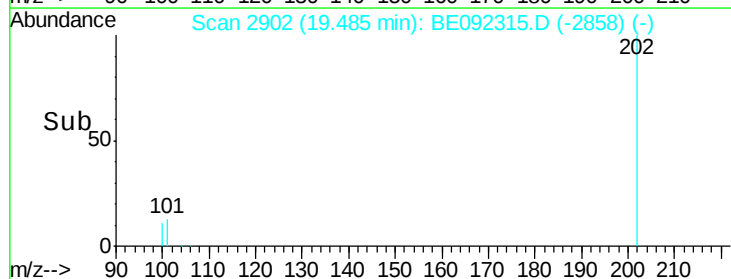
100 12.1 0.0 0.0#

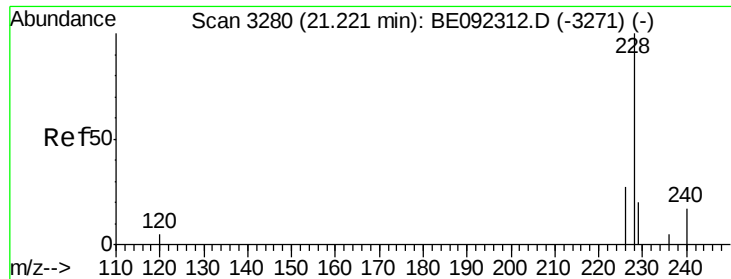


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.22 min Scan# 3279

Delta R.T. -0.01 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

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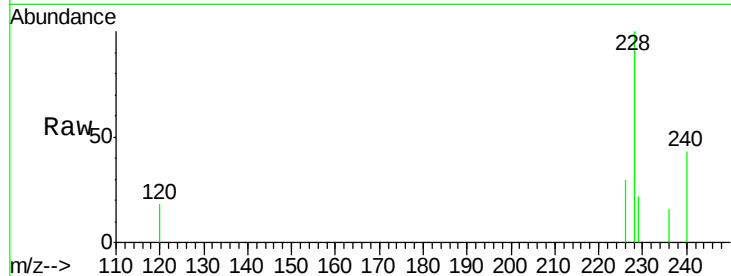
Tgt Ion:228 Resp: 7732

Ion Ratio Lower Upper

228 100

226 29.9 21.6 32.4

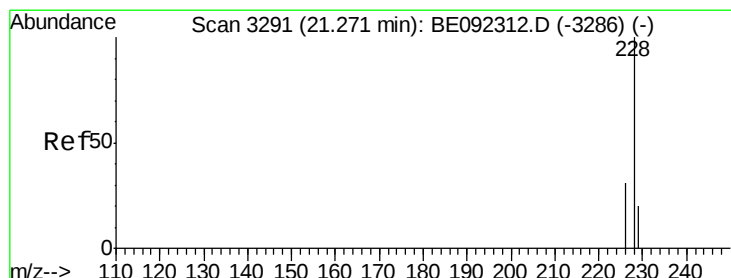
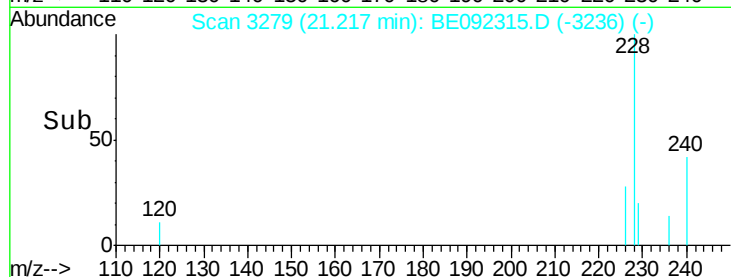
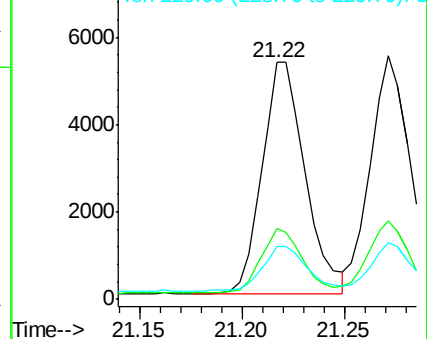
229 22.4 15.9 23.9



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: 0.07 ng/ul

RT: 21.27 min Scan# 3291

Delta R.T. -0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

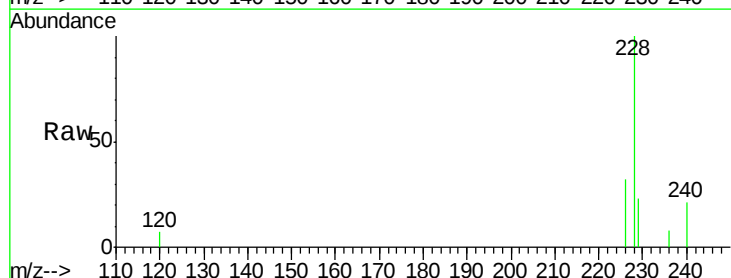
Tgt Ion:228 Resp: 8042

Ion Ratio Lower Upper

228 100

226 32.3 23.8 35.8

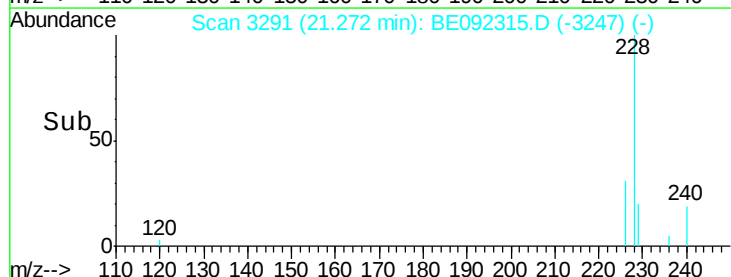
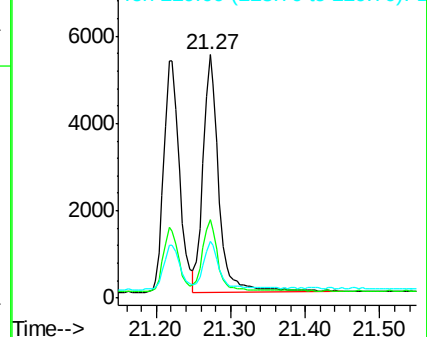
229 23.2 16.0 24.0

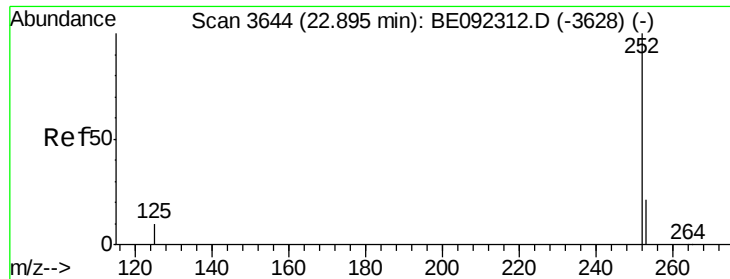


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 22.90 min Scan# 3645

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

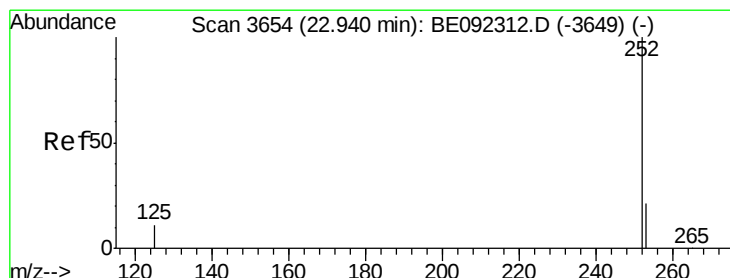
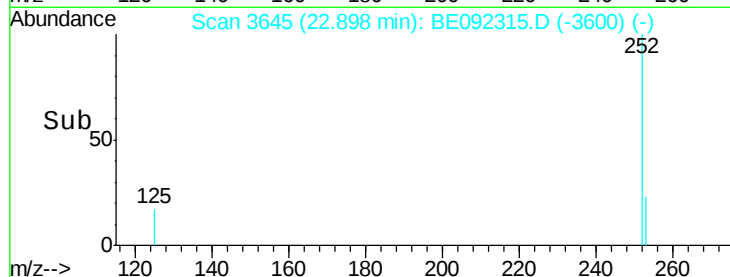
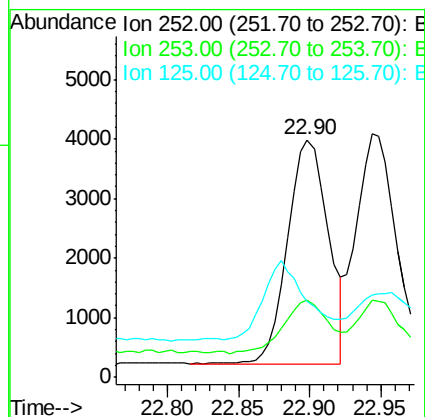
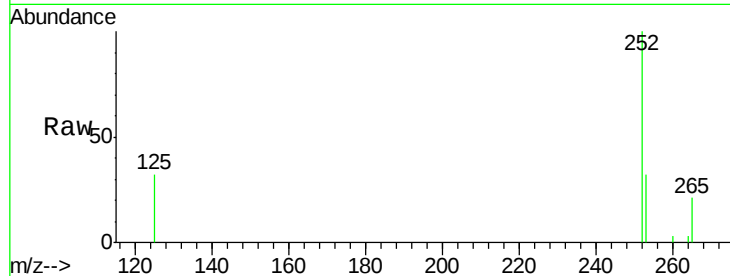
Tgt Ion:252 Resp: 7389

Ion Ratio Lower Upper

252 100

253 32.3 0.0 47.6

125 32.0 0.0 24.2#



#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 22.94 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

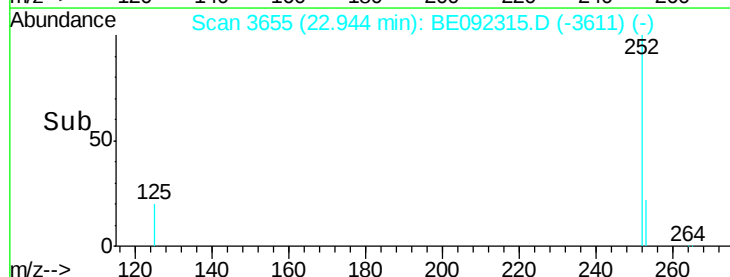
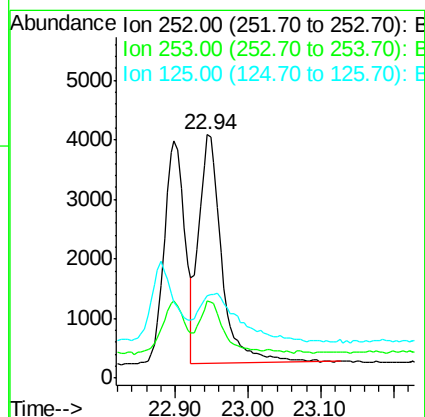
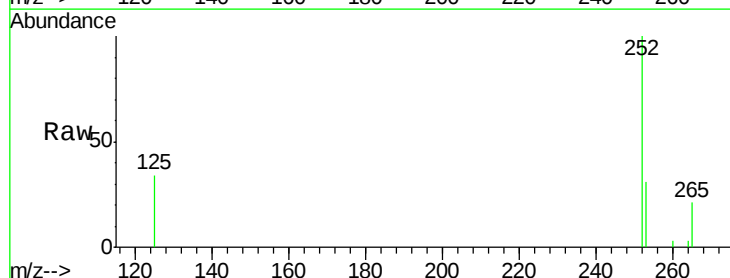
Tgt Ion:252 Resp: 8350

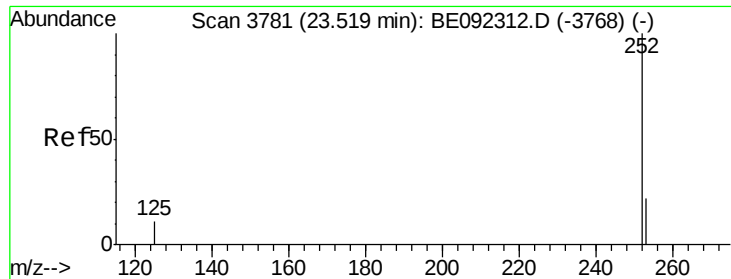
Ion Ratio Lower Upper

252 100

253 31.5 18.7 28.1#

125 33.9 9.7 14.5#





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.52 min Scan# 3782

Delta R.T. 0.00 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

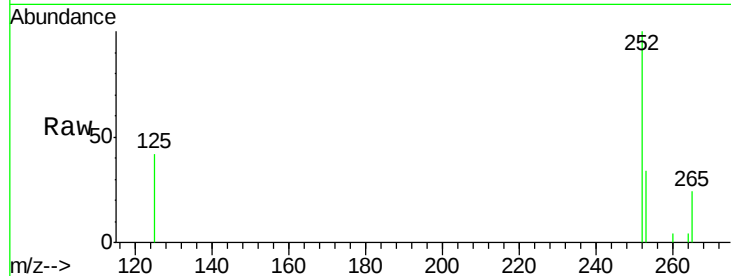
Tgt Ion:252 Resp: 8015

Ion Ratio Lower Upper

252 100

253 33.5 18.8 28.2#

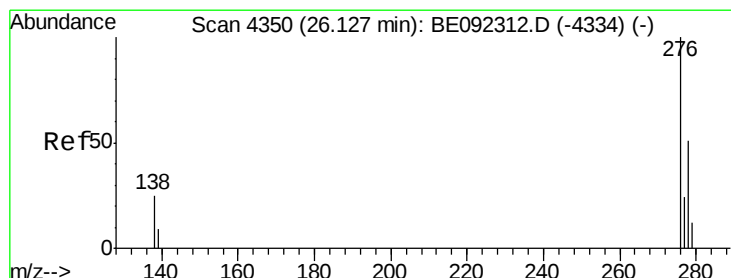
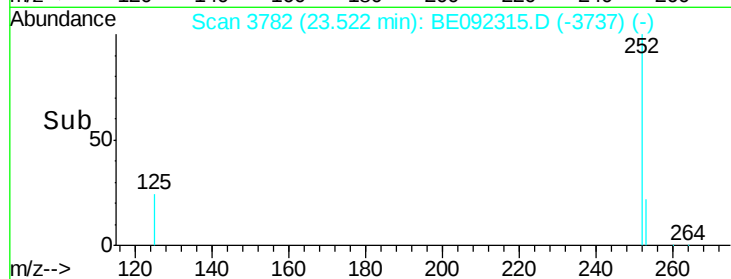
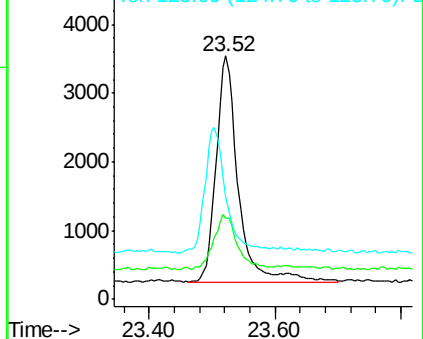
125 42.3 11.9 17.9#



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: 0.07 ng/ul

RT: 26.14 min Scan# 4352

Delta R.T. 0.01 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

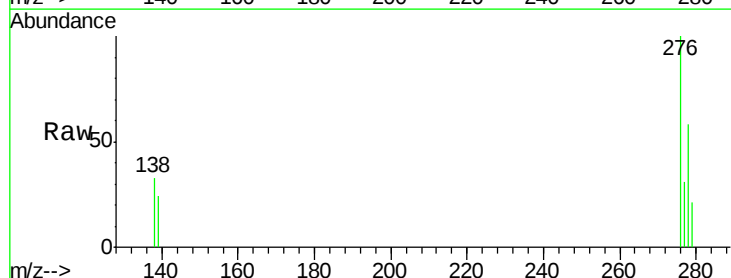
Tgt Ion:276 Resp: 8570

Ion Ratio Lower Upper

276 100

138 24.6 0.0 0.0#

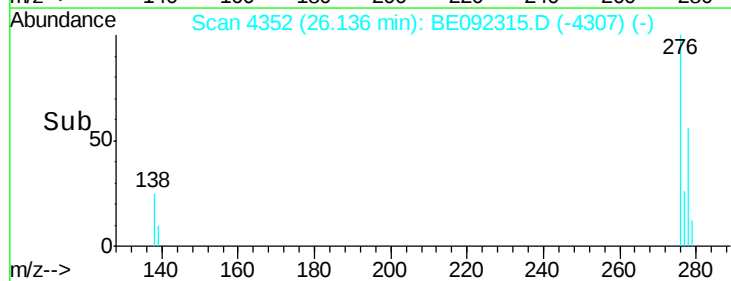
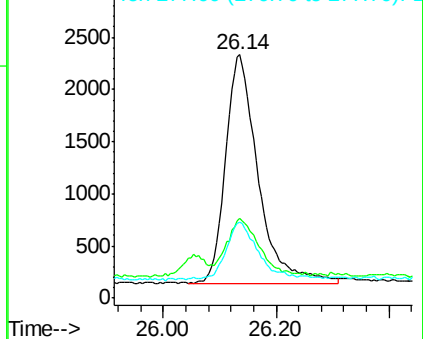
277 24.0 0.0 0.0#

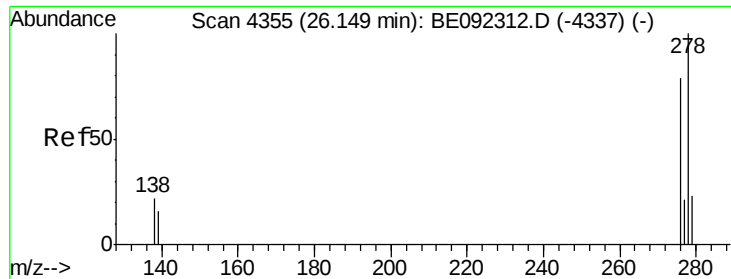


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 26.15 min Scan# 4356

Delta R.T. 0.01 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

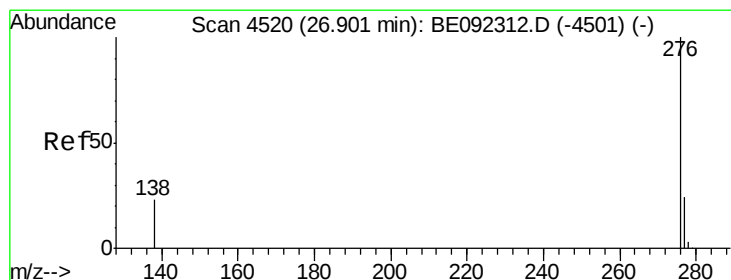
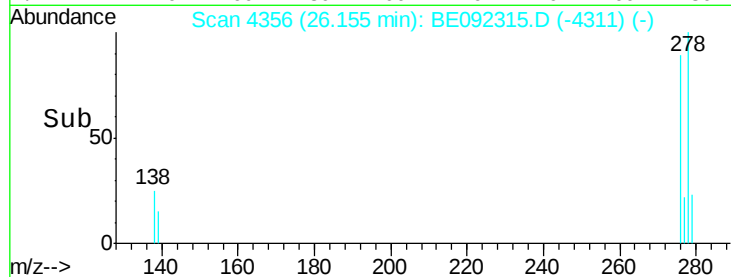
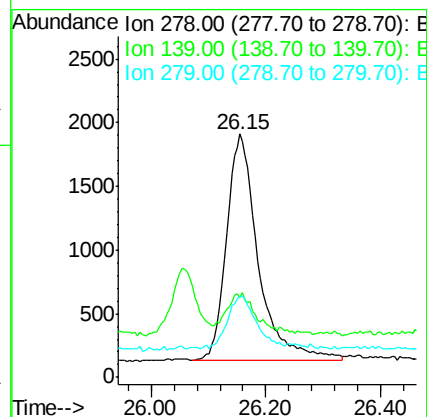
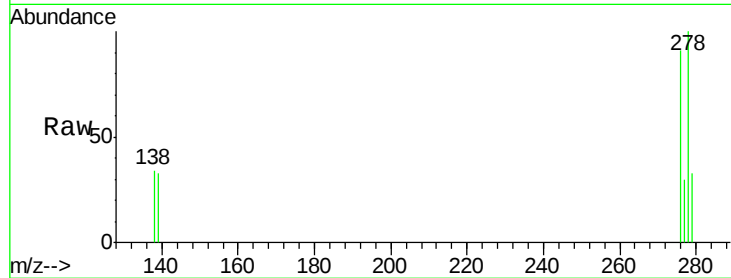
Tgt Ion:278 Resp: 6854

Ion Ratio Lower Upper

278 100

139 32.7 14.6 22.0#

279 33.3 20.2 30.2#



#26

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 26.91 min Scan# 4521

Delta R.T. 0.01 min

Lab File: BE092315.D

Acq: 31 Aug 2016 13:20

Tgt Ion:276 Resp: 7339

Ion Ratio Lower Upper

276 100

277 31.0 19.5 29.3#

138 32.1 19.2 28.8#

