

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE083116\
 Data File : BE092317.D
 Acq On : 31 Aug 2016 14:32
 Operator : UM/SJ
 Sample : MDL-04-S
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Quant Time: Aug 31 15:33:44 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	6978	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	37321	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	21692	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	47289	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	50957	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	49262	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	13449	0.27	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	31804	0.27	ng/ul	0.00

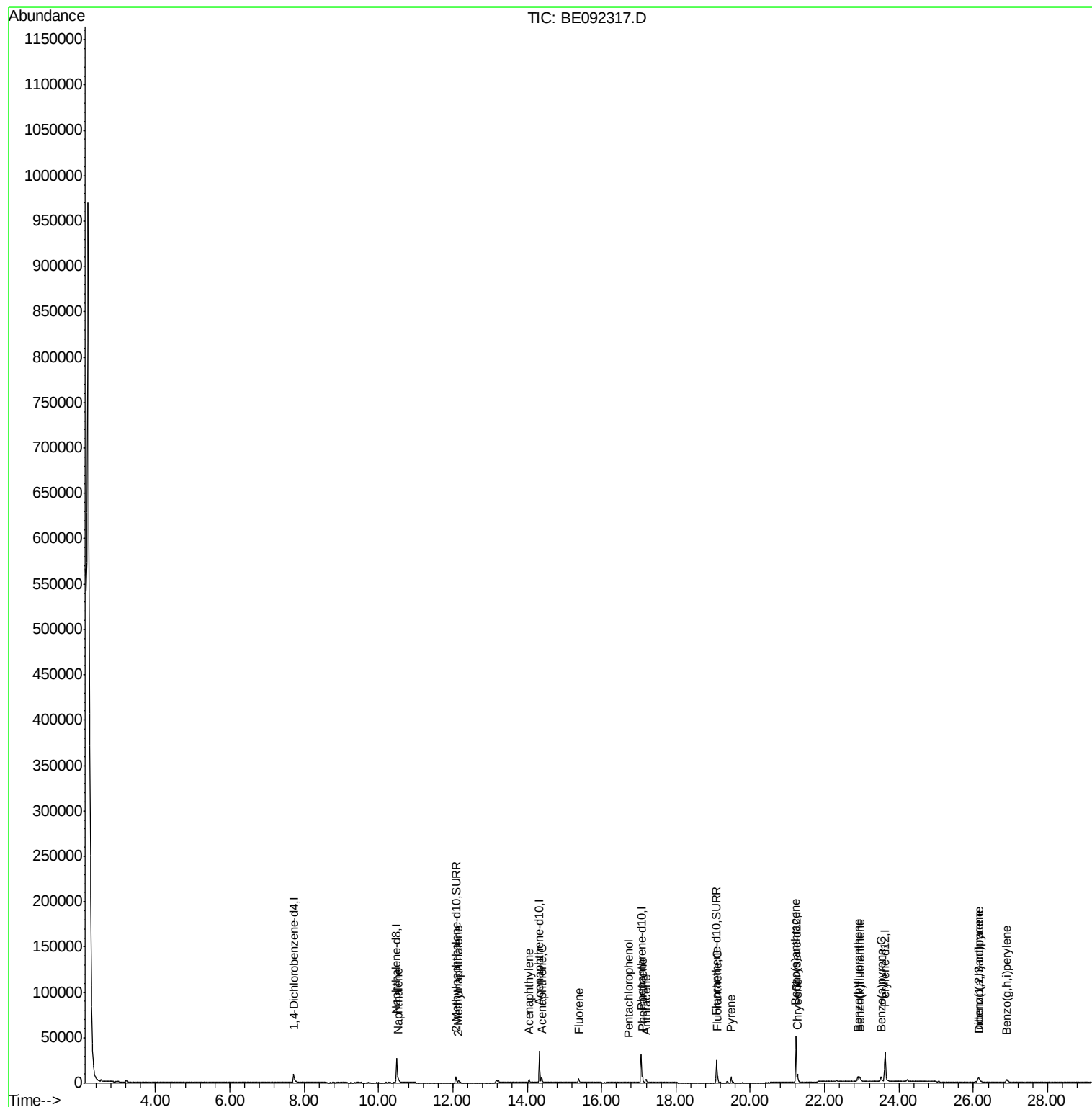
Target Compounds						Qvalue
3) Naphthalene	10.54	128	4761	0.06	ng/ul	96
5) 2-Methylnaphthalene	12.15	142	3234	0.06	ng/ul	99
7) Acenaphthylene	14.05	152	5294	0.06	ng/ul	99
8) Acenaphthene	14.39	153	3521	0.05	ng/ul	97
9) Fluorene	15.39	166	3897	0.05	ng/ul	97
11) Pentachlorophenol	16.74	266	325	0.06	ng/ul	99
12) Phenanthrene	17.10	178	6614	0.06	ng/ul	96
13) Anthracene	17.20	178	6055	0.06	ng/ul	96
15) Fluoranthene	19.12	202	7448	0.05	ng/ul	94
17) Pyrene	19.49	202	7805	0.07	ng/ul#	100
18) Benzo(a)anthracene	21.22	228	7317	0.07	ng/ul	97
19) Chrysene	21.27	228	7517	0.06	ng/ul	96
21) Benzo(b)fluoranthene	22.90	252	6831	0.06	ng/ul#	71
22) Benzo(k)fluoranthene	22.94	252	7855	0.06	ng/ul#	74
23) Benzo(a)pyrene	23.52	252	7050	0.05	ng/ul#	66
24) Indeno(1,2,3-cd)pyrene	26.14	276	8012	0.06	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.15	278	6420	0.06	ng/ul#	78
26) Benzo(g,h,i)perylene	26.90	276	6836	0.06	ng/ul#	86

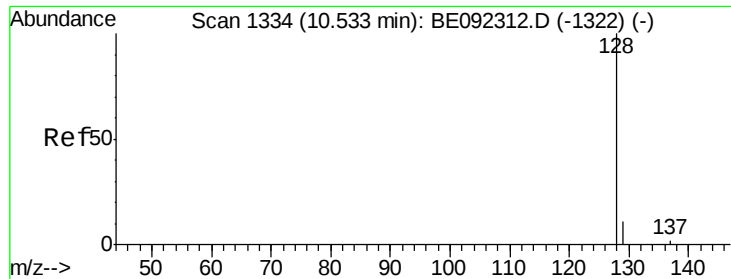
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.54 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

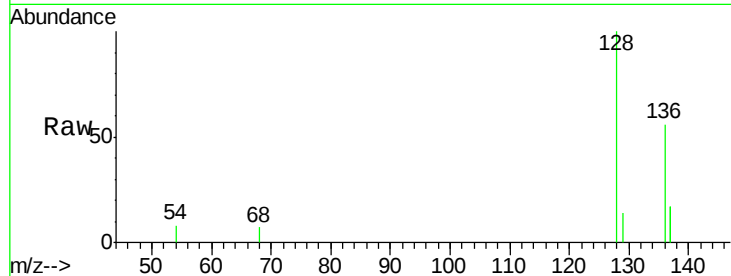
Tgt Ion:128 Resp: 4761

Ion Ratio Lower Upper

128 100

129 13.6 9.7 14.5

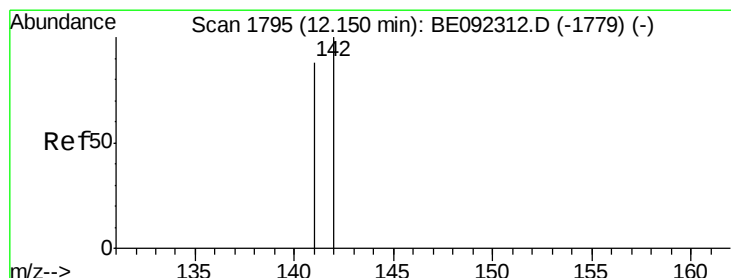
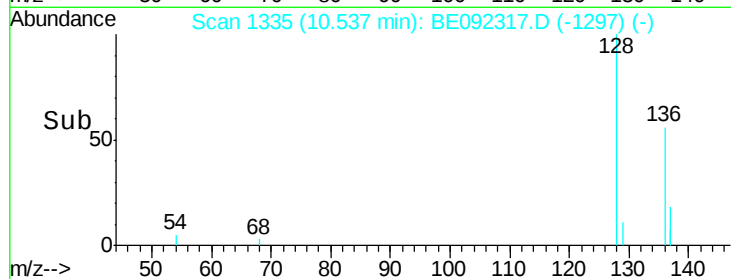
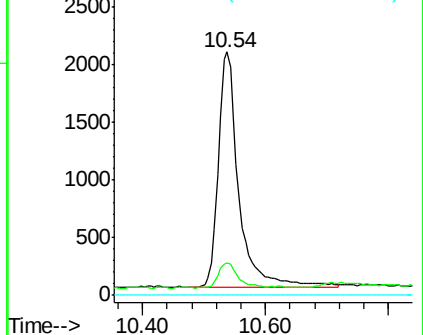
127 0.0 0.0 0.0



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: 0.06 ng/ul

RT: 12.15 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BE092317.D

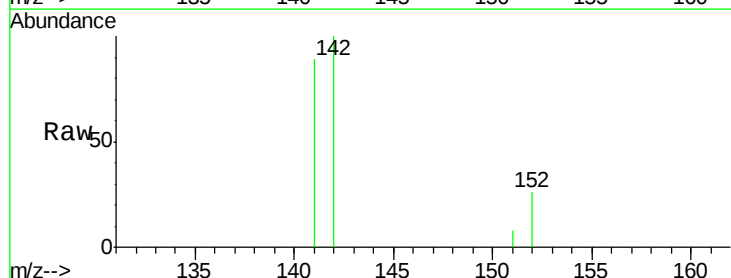
Acq: 31 Aug 2016 14:32

Tgt Ion:142 Resp: 3234

Ion Ratio Lower Upper

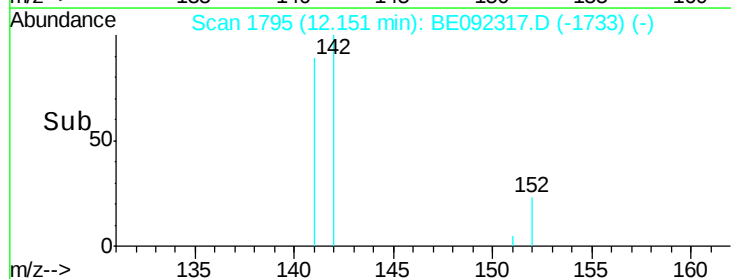
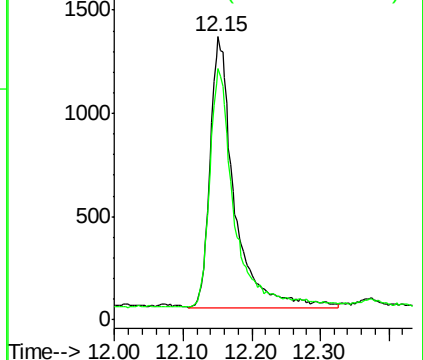
142 100

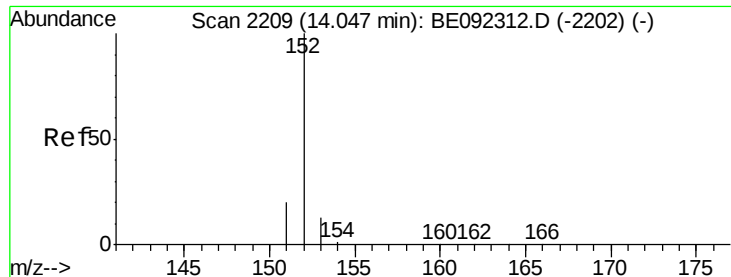
141 89.4 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.05 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

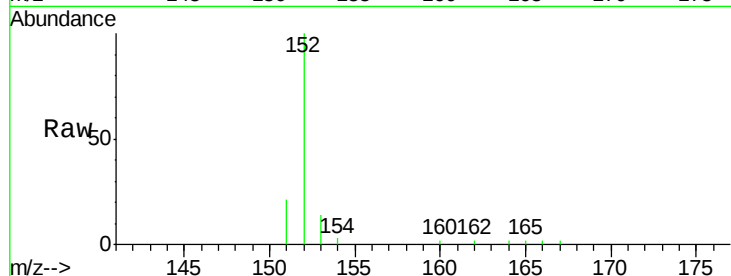
Tgt Ion:152 Resp: 5294

Ion Ratio Lower Upper

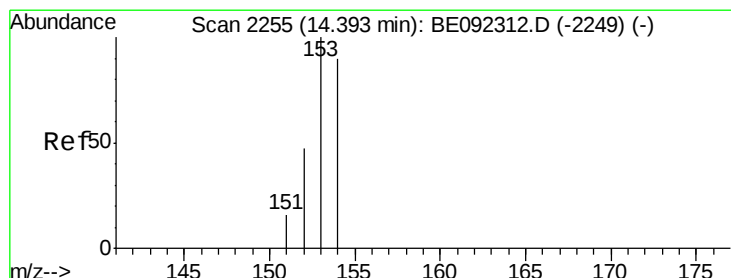
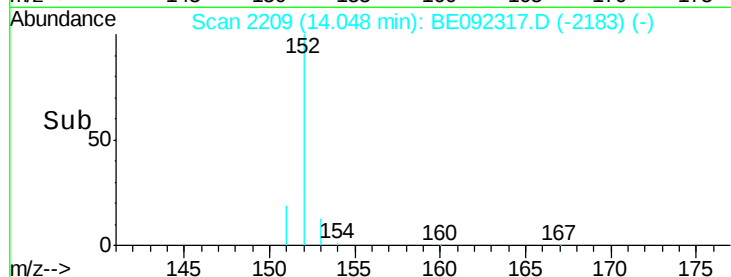
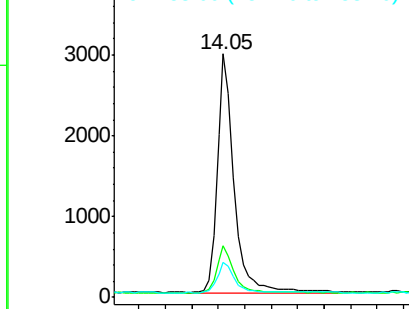
152 100

151 21.0 16.2 24.2

153 14.3 11.2 16.8



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: 0.05 ng/ul

RT: 14.39 min Scan# 2255

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

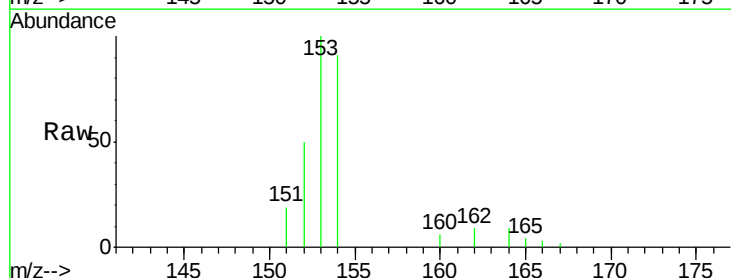
Tgt Ion:153 Resp: 3521

Ion Ratio Lower Upper

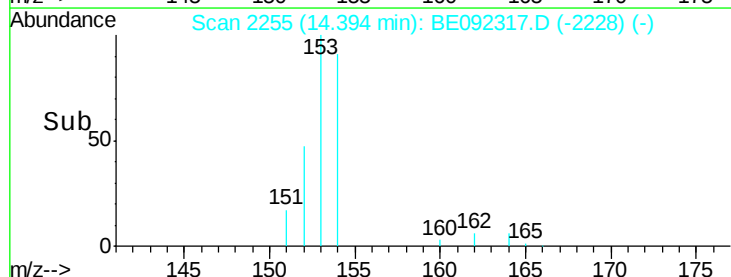
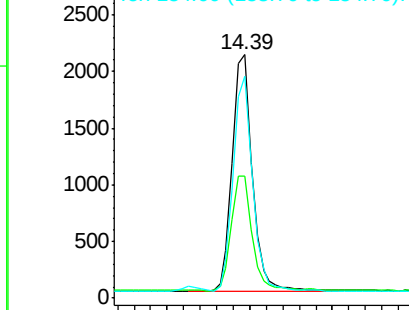
153 100

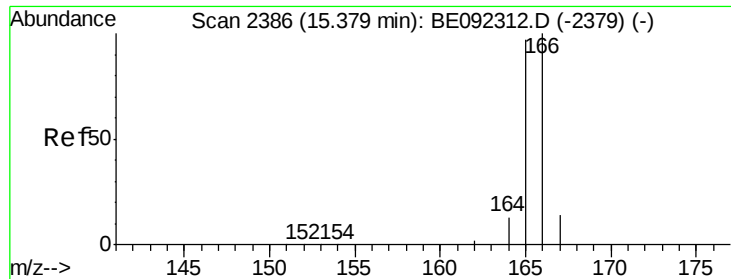
152 50.0 40.9 61.3

154 91.2 70.6 106.0



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: 0.05 ng/ul

RT: 15.39 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

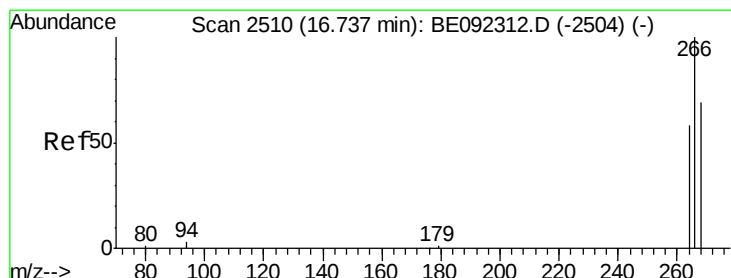
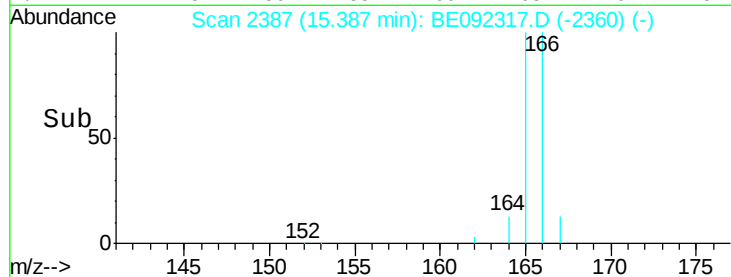
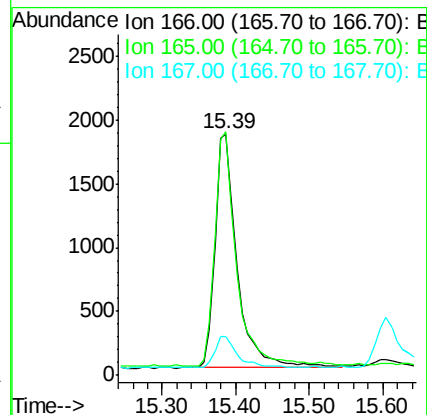
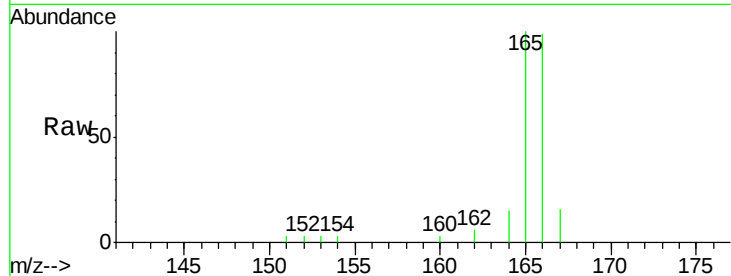
Tgt Ion:166 Resp: 3897

Ion Ratio Lower Upper

166 100

165 100.8 78.7 118.1

167 16.1 11.5 17.3



#11

Pentachlorophenol

Concen: 0.06 ng/ul

RT: 16.74 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

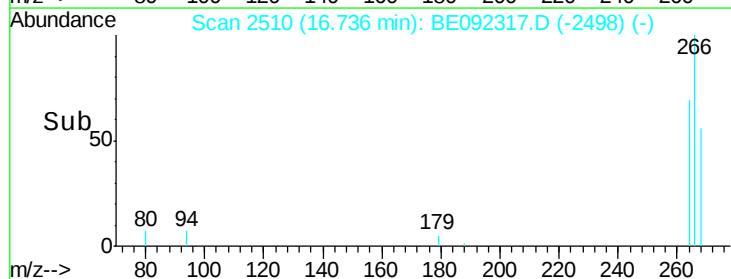
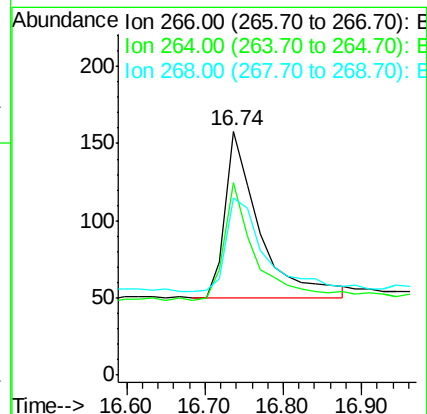
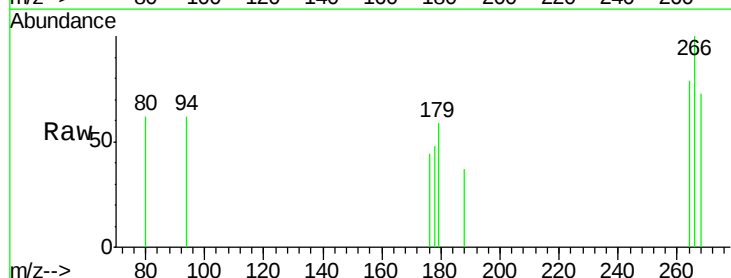
Tgt Ion:266 Resp: 325

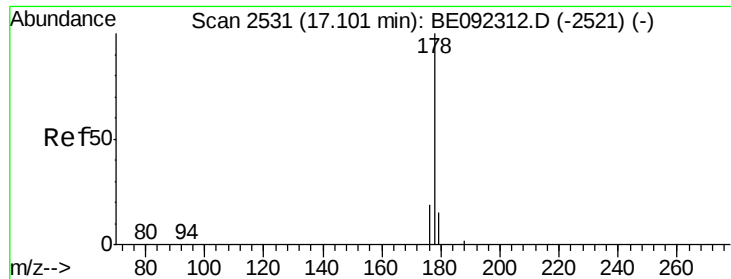
Ion Ratio Lower Upper

266 100

264 66.2 53.0 79.6

268 64.0 52.3 78.5





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.10 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

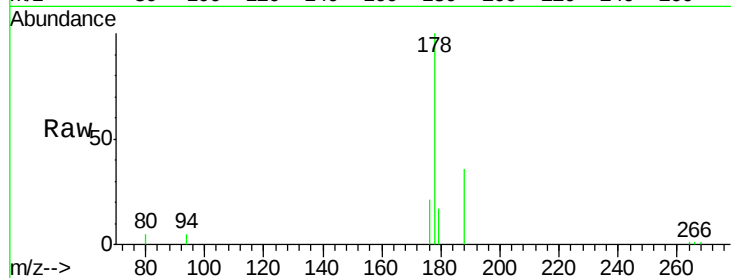
Tgt Ion:178 Resp: 6614

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

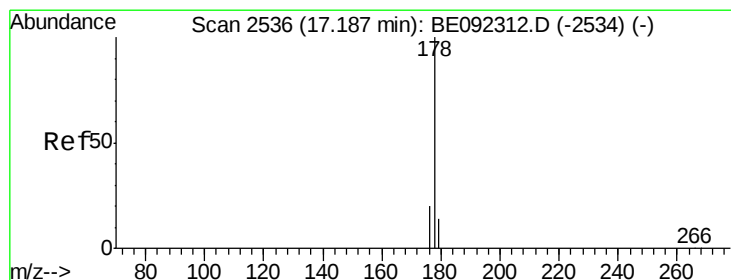
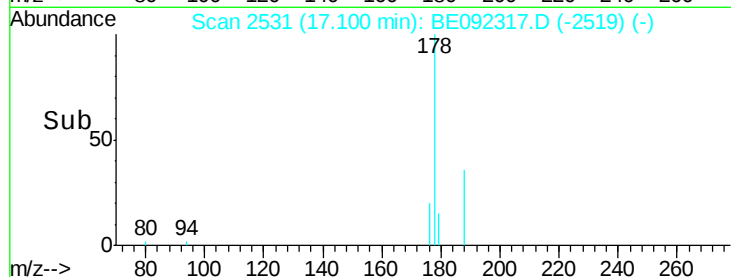
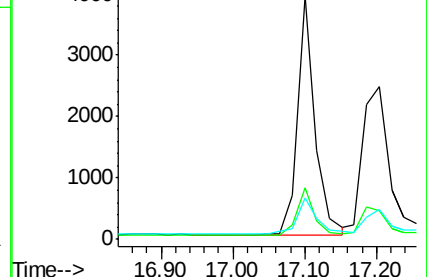
179 16.8 11.9 17.9



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: 0.06 ng/ul

RT: 17.20 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

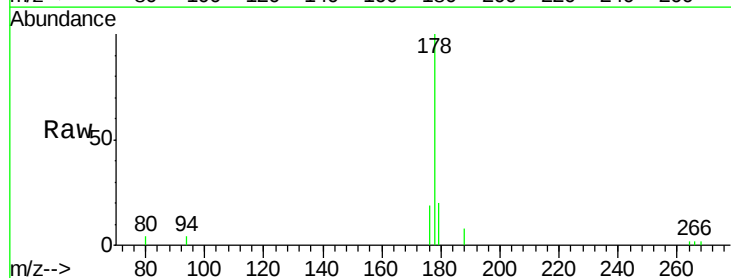
Tgt Ion:178 Resp: 6055

Ion Ratio Lower Upper

178 100

176 18.5 14.0 21.0

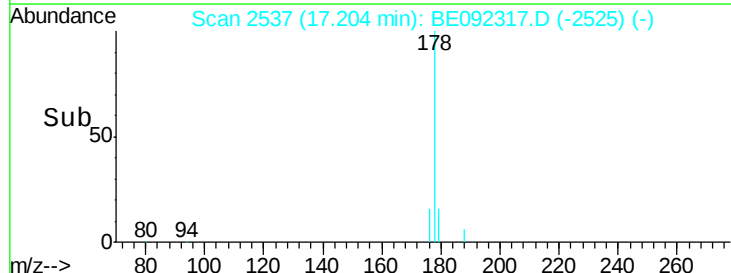
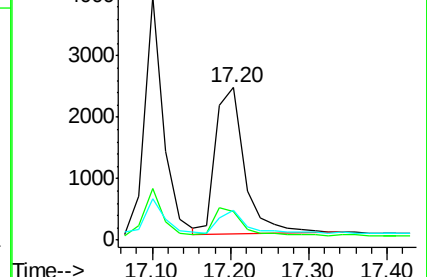
179 19.9 13.6 20.4

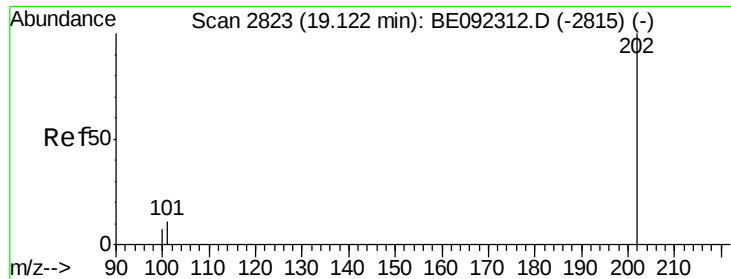


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.12 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

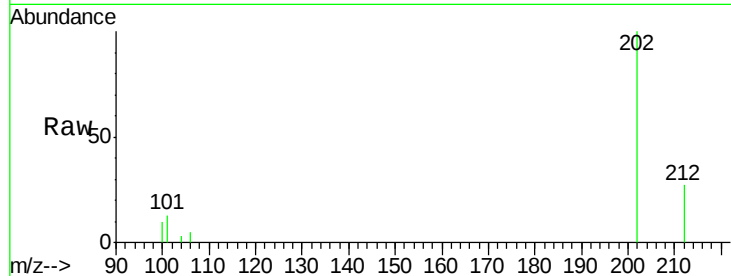
Tgt Ion:202 Resp: 7448

Ion Ratio Lower Upper

202 100

101 12.9 0.0 30.8

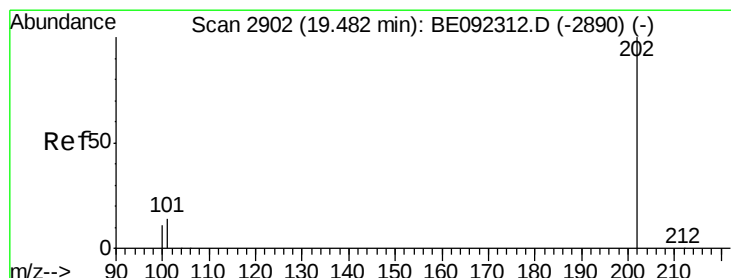
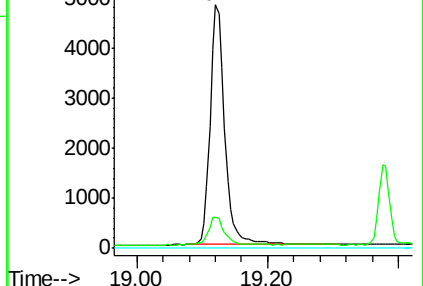
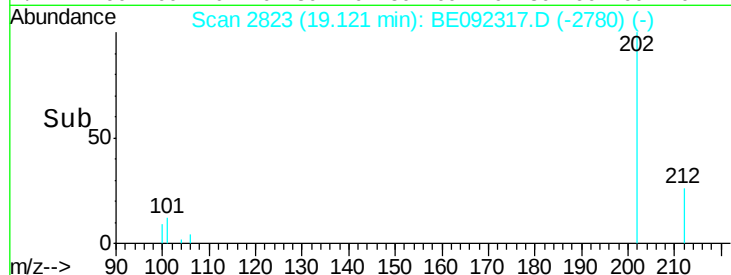
203 0.0 0.0 20.0



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: 0.07 ng/ul

RT: 19.49 min Scan# 2903

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

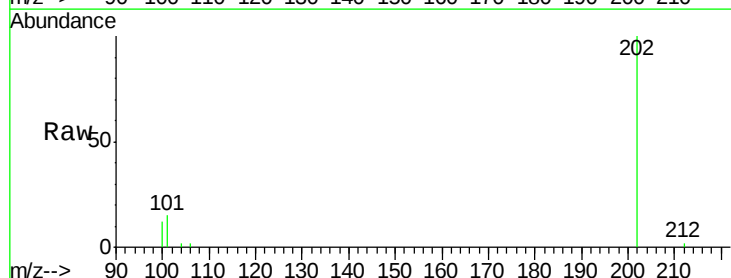
Tgt Ion:202 Resp: 7805

Ion Ratio Lower Upper

202 100

101 14.8 0.0 0.0#

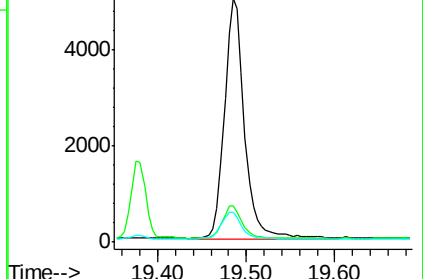
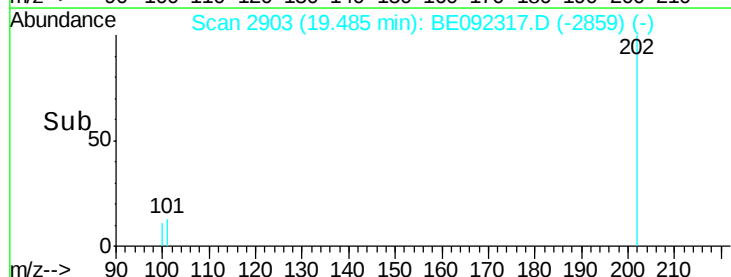
100 12.2 0.0 0.0#

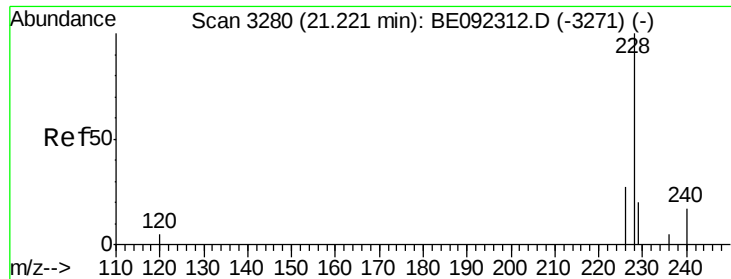


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.22 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

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ClientSampleId :

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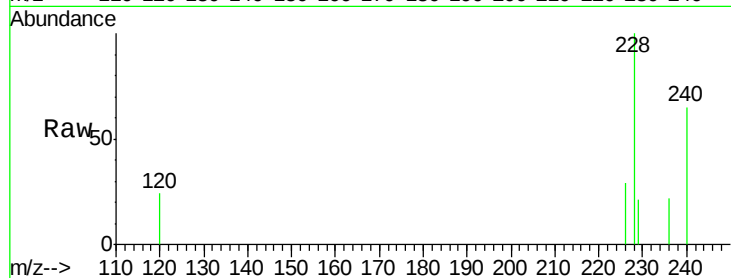
Tgt Ion:228 Resp: 7317

Ion Ratio Lower Upper

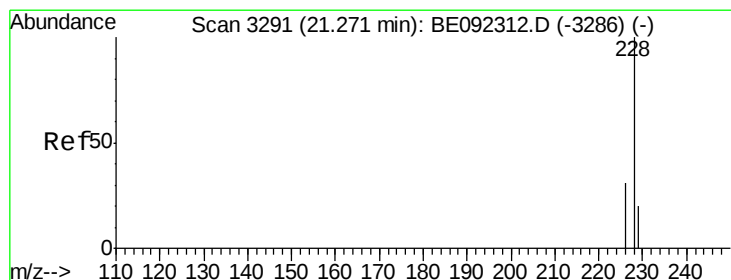
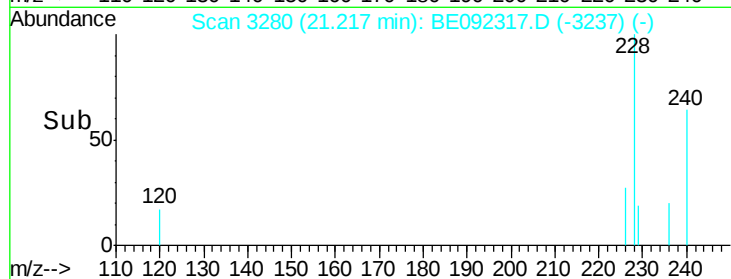
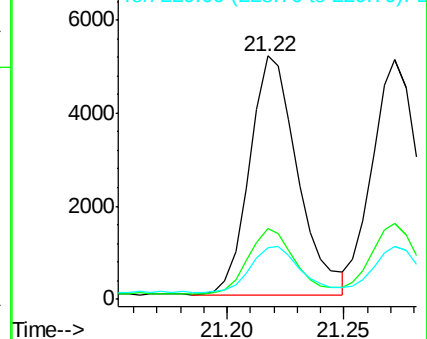
228 100

226 28.9 21.6 32.4

229 21.3 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: 0.06 ng/ul

RT: 21.27 min Scan# 3292

Delta R.T. -0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

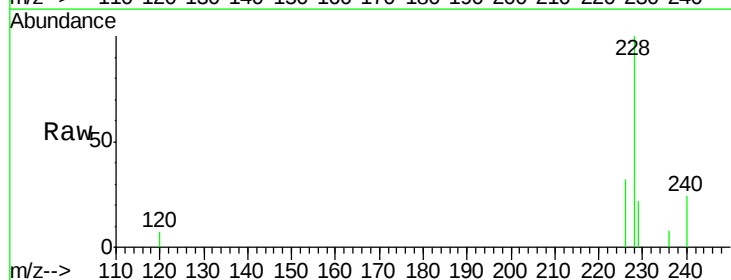
Tgt Ion:228 Resp: 7517

Ion Ratio Lower Upper

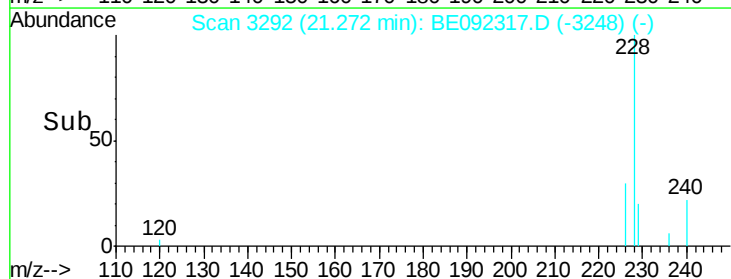
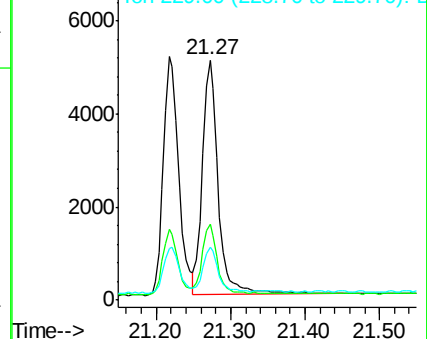
228 100

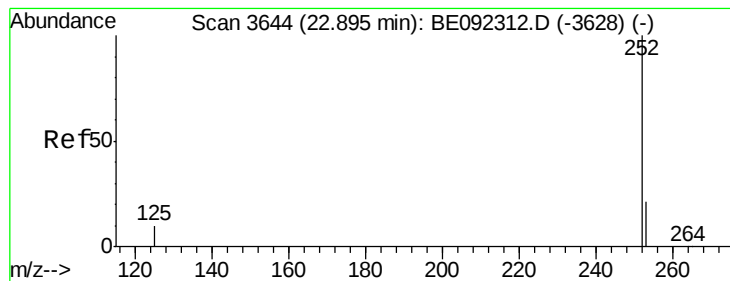
226 31.7 23.8 35.8

229 22.1 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: 0.06 ng/ul

RT: 22.90 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

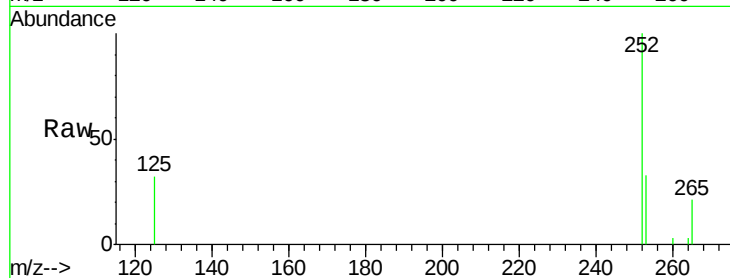
Tgt Ion:252 Resp: 6831

Ion Ratio Lower Upper

252 100

253 32.7 0.0 47.6

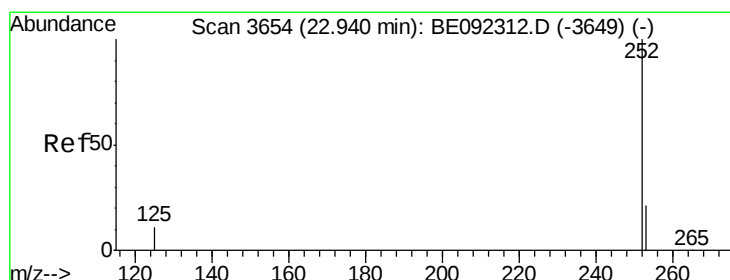
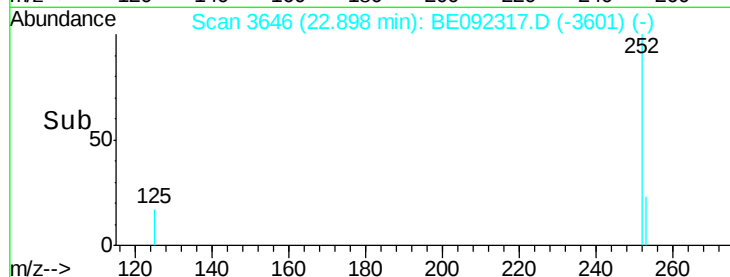
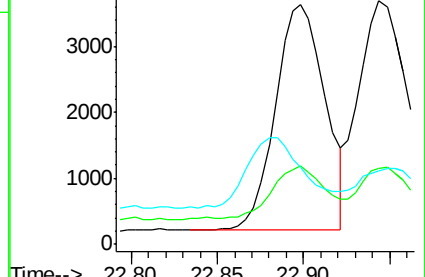
125 32.1 0.0 24.2#



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: 0.06 ng/ul

RT: 22.94 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

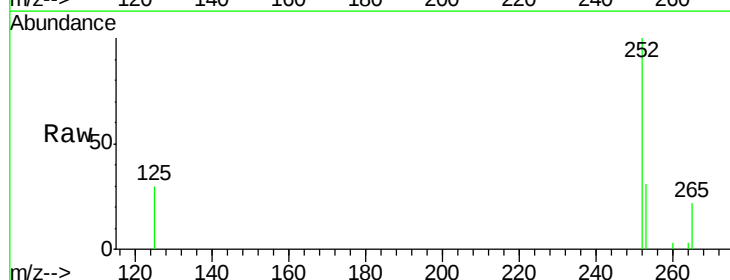
Tgt Ion:252 Resp: 7855

Ion Ratio Lower Upper

252 100

253 31.2 18.7 28.1#

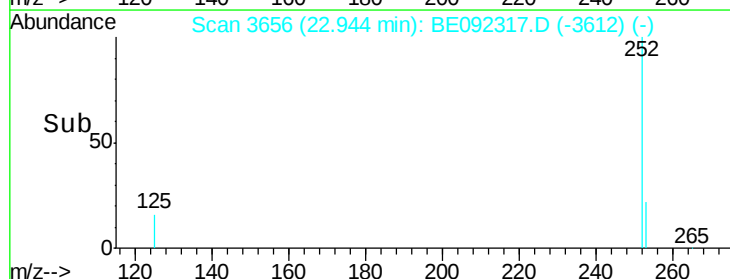
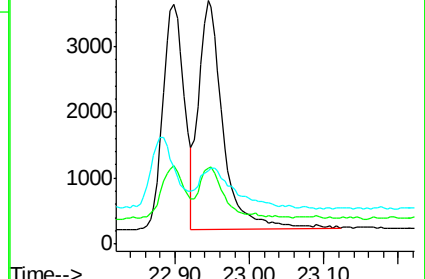
125 30.4 9.7 14.5#

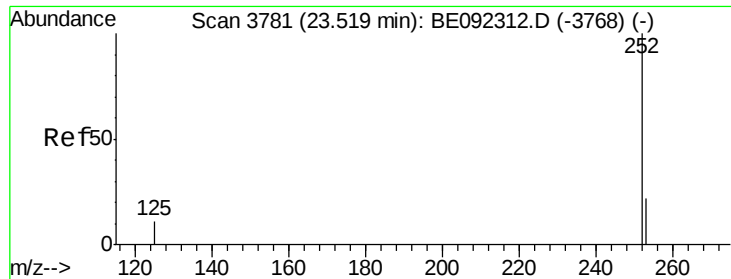


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.52 min Scan# 3783

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

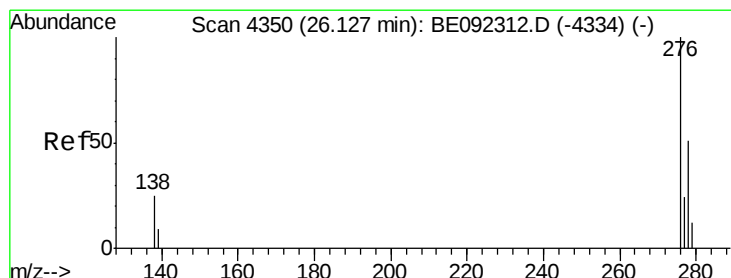
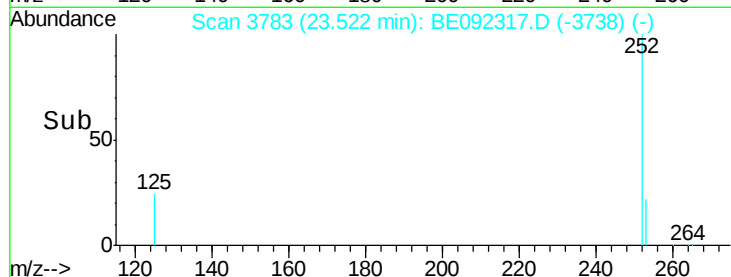
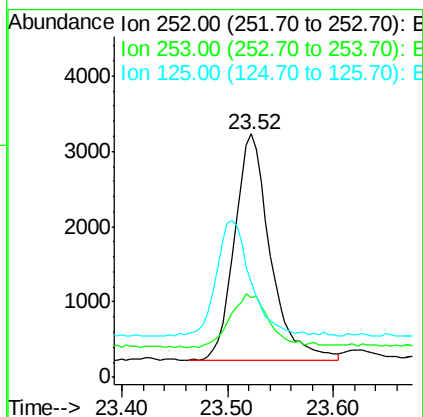
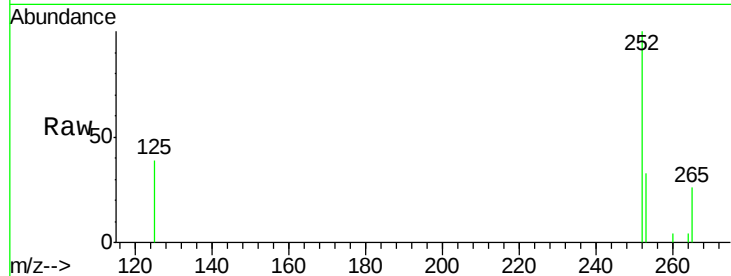
Tgt Ion:252 Resp: 7050

Ion Ratio Lower Upper

252 100

253 33.0 18.8 28.2#

125 39.0 11.9 17.9#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 26.14 min Scan# 4353

Delta R.T. 0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

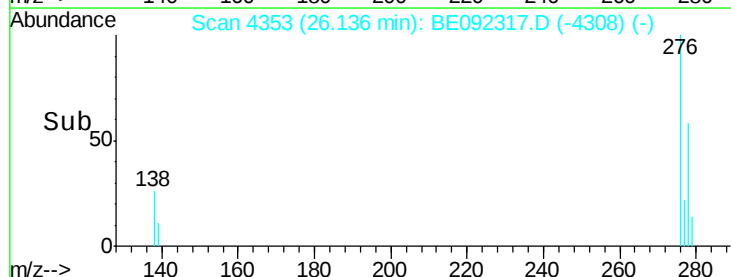
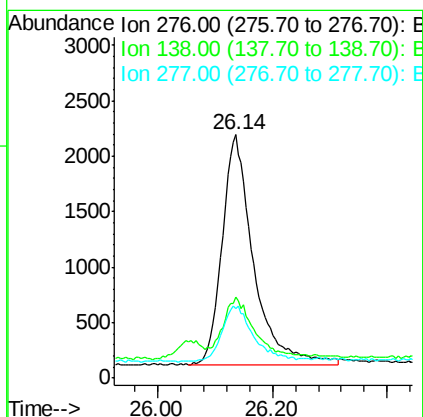
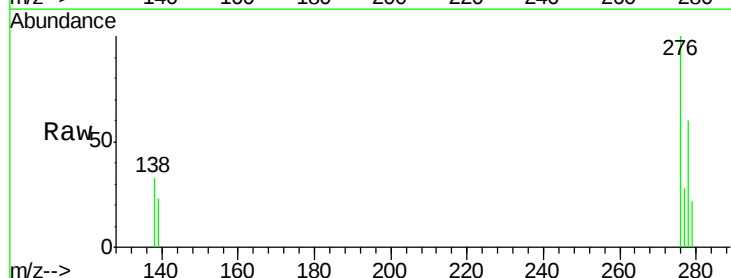
Tgt Ion:276 Resp: 8012

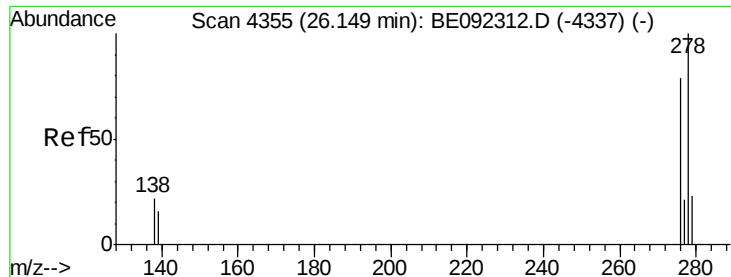
Ion Ratio Lower Upper

276 100

138 24.5 0.0 0.0#

277 25.0 0.0 0.0#





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 26.15 min Scan# 4356

Delta R.T. 0.00 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

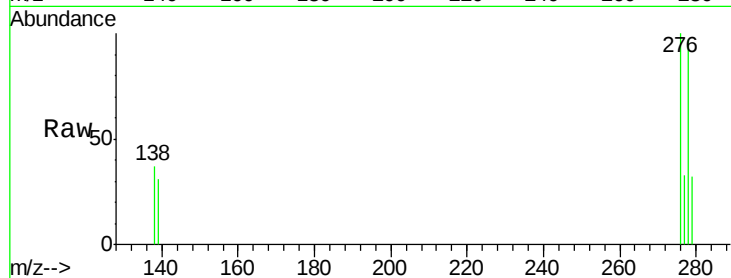
Tgt Ion:278 Resp: 6420

Ion Ratio Lower Upper

278 100

139 32.3 14.6 22.0#

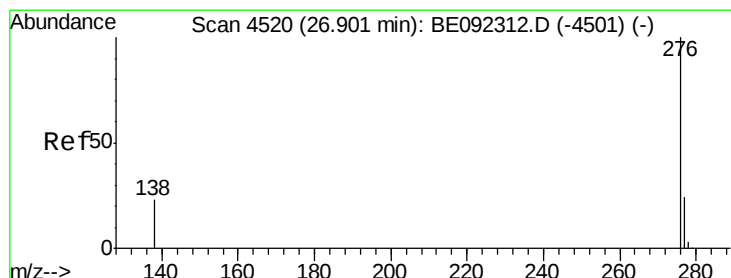
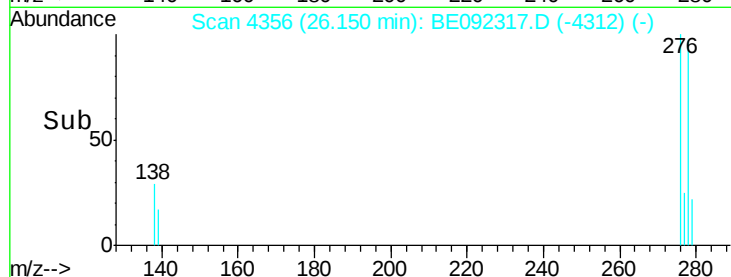
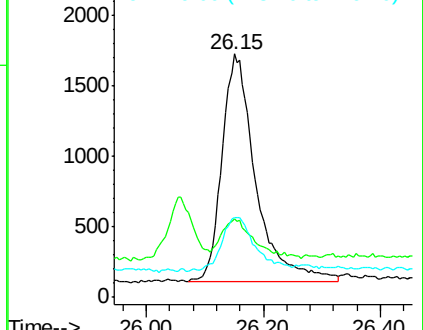
279 32.6 20.2 30.2#



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: 0.06 ng/ul

RT: 26.90 min Scan# 4521

Delta R.T. 0.01 min

Lab File: BE092317.D

Acq: 31 Aug 2016 14:32

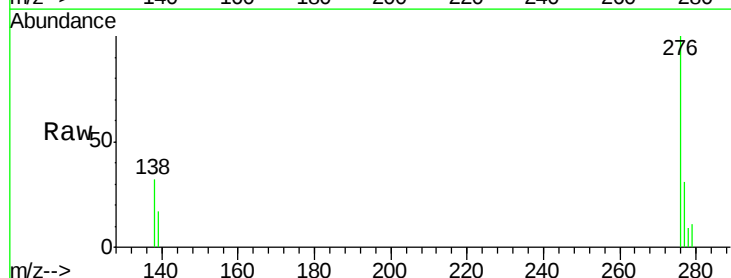
Tgt Ion:276 Resp: 6836

Ion Ratio Lower Upper

276 100

277 30.8 19.5 29.3#

138 31.6 19.2 28.8#



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

