

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE083116\
 Data File : BE092319.D
 Acq On : 31 Aug 2016 15:43
 Operator : UM/SJ
 Sample : MDL-06-S
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-S

Quant Time: Aug 31 16:17:59 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	5094	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	27228	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	16223	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	35454	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	37465	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	36176	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	9804	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	23227	0.26	ng/ul	0.00

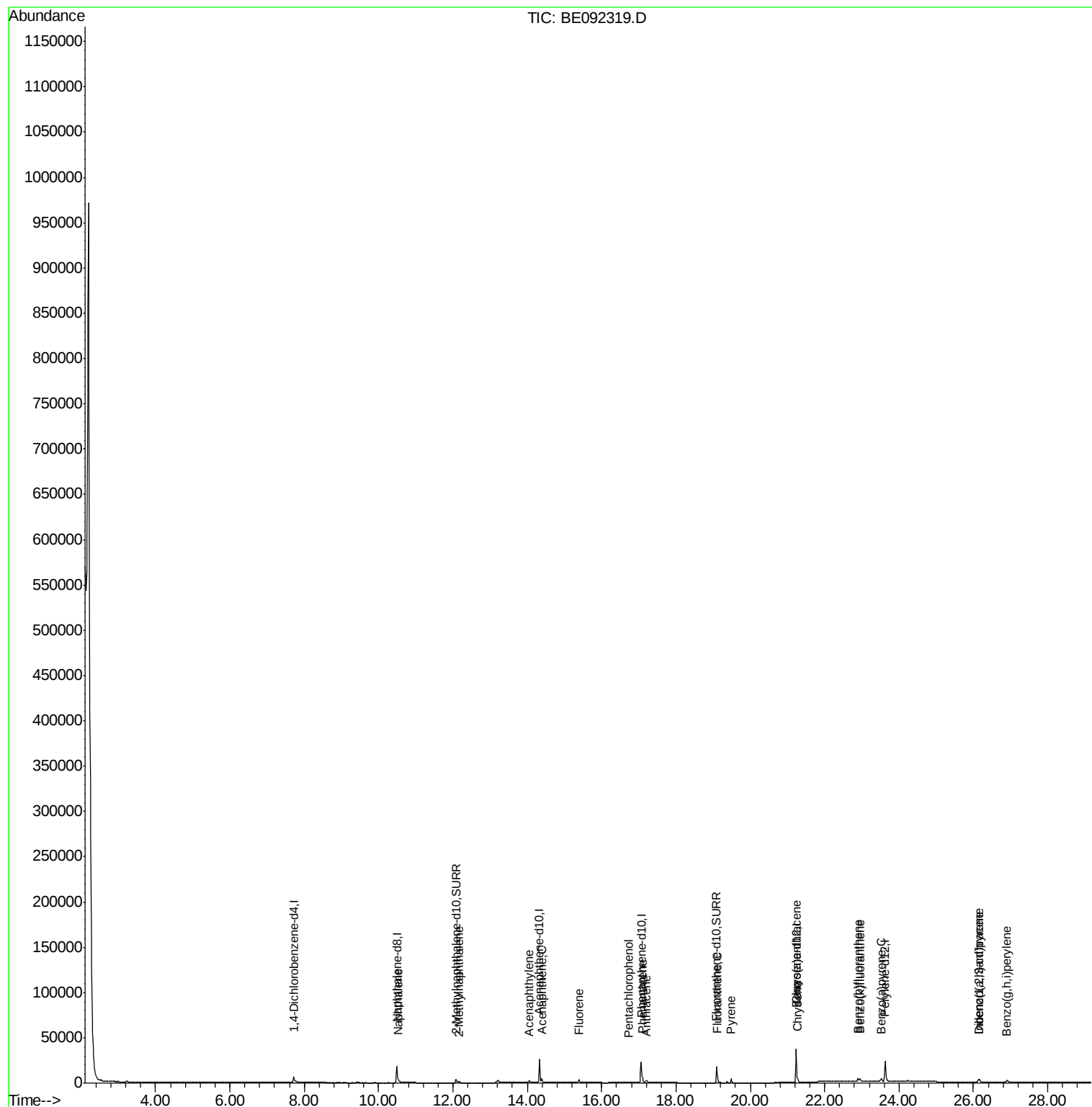
Target Compounds						Qvalue
3) Naphthalene	10.54	128	3548	0.06	ng/ul	94
5) 2-Methylnaphthalene	12.16	142	2331	0.06	ng/ul	99
7) Acenaphthylene	14.05	152	3932	0.06	ng/ul	96
8) Acenaphthene	14.39	153	2670	0.05	ng/ul	97
9) Fluorene	15.39	166	2933	0.05	ng/ul	98
11) Pentachlorophenol	16.74	266	227	0.05	ng/ul	94
12) Phenanthrene	17.10	178	5030	0.06	ng/ul	96
13) Anthracene	17.20	178	4208	0.05	ng/ul#	92
15) Fluoranthene	19.12	202	5611	0.05	ng/ul	94
17) Pyrene	19.49	202	5798	0.07	ng/ul#	100
18) Benzo(a)anthracene	21.22	228	5204	0.06	ng/ul	95
19) Chrysene	21.27	228	5760	0.06	ng/ul	95
21) Benzo(b)fluoranthene	22.90	252	4967	0.06	ng/ul#	71
22) Benzo(k)fluoranthene	22.95	252	5844	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.52	252	5622	0.06	ng/ul#	61
24) Indeno(1,2,3-cd)pyrene	26.14	276	5920	0.06	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.16	278	4757	0.06	ng/ul#	70
26) Benzo(g,h,i)perylene	26.90	276	5206	0.06	ng/ul#	83

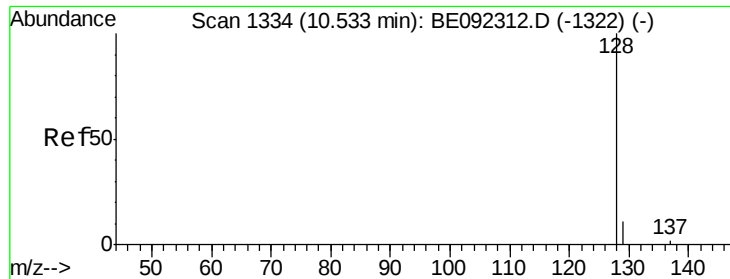
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

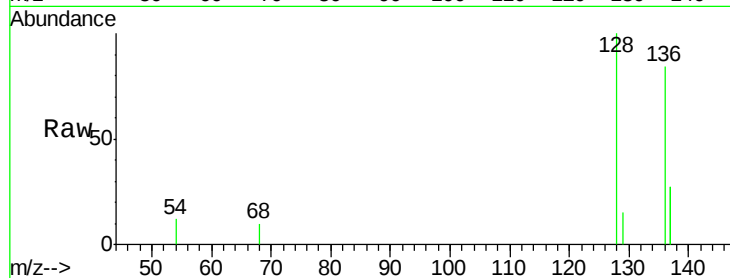
Tgt Ion:128 Resp: 3548

Ion Ratio Lower Upper

128 100

129 14.5 9.7 14.5

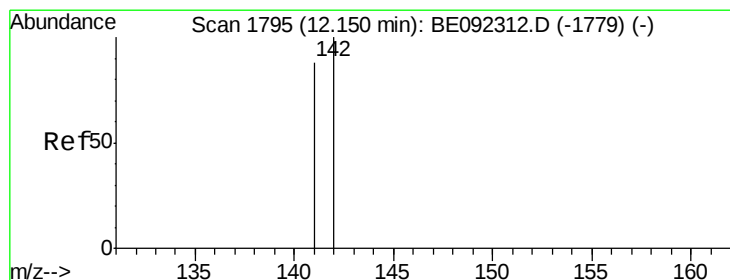
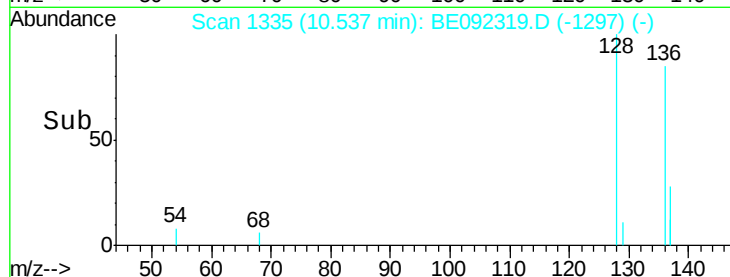
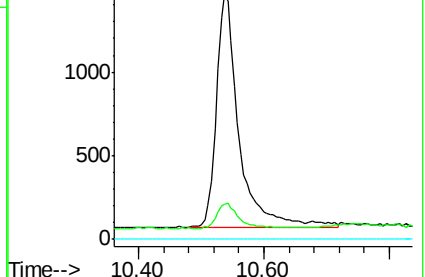
127 0.0 0.0 0.0



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: 12.16 min Scan# 1797

Delta R.T. -0.00 min

Lab File: BE092319.D

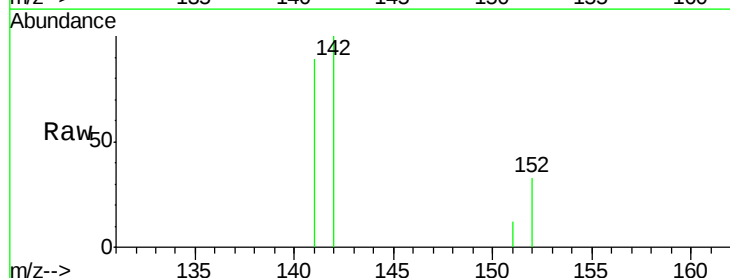
Acq: 31 Aug 2016 15:43

Tgt Ion:142 Resp: 2331

Ion Ratio Lower Upper

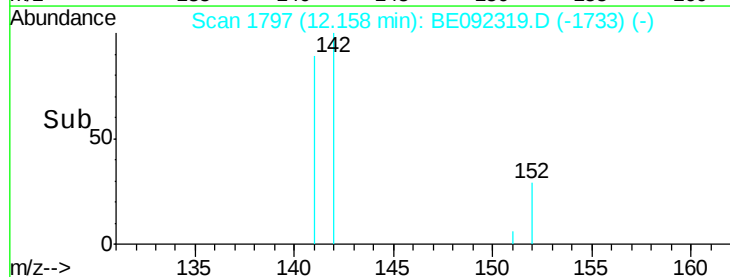
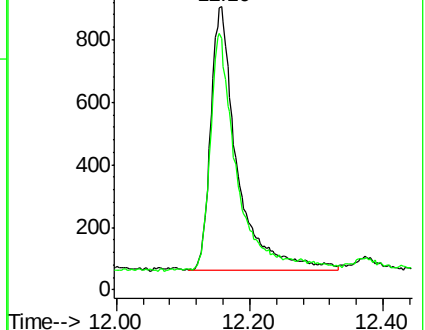
142 100

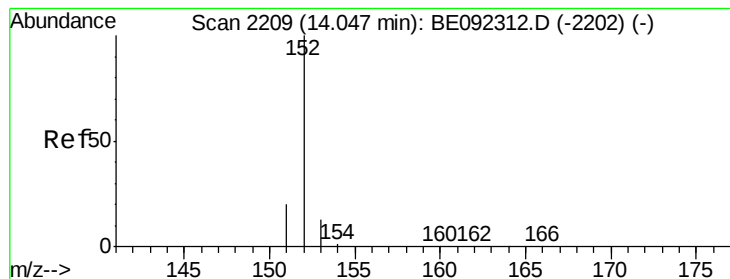
141 89.1 71.9 107.9



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: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

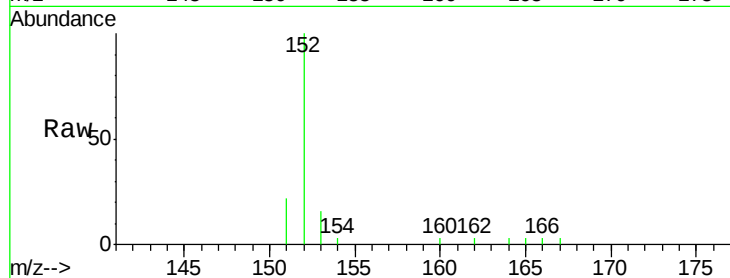
Tgt Ion:152 Resp: 3932

Ion Ratio Lower Upper

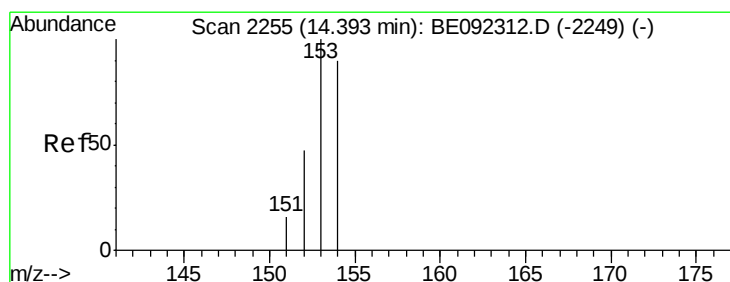
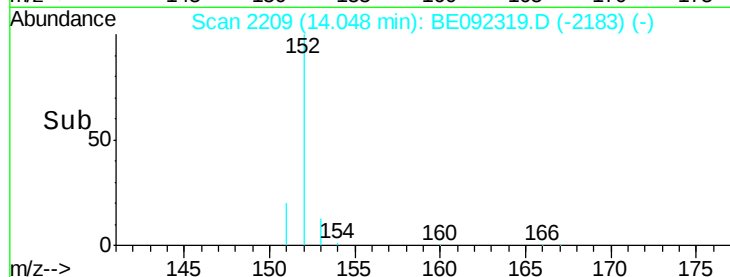
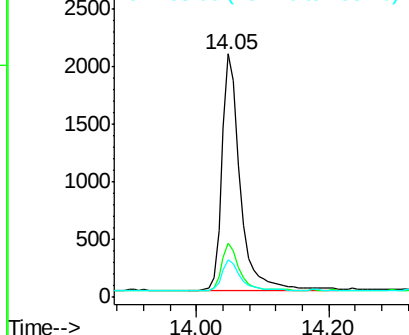
152 100

151 22.2 16.2 24.2

153 15.5 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# 2254

Delta R.T. -0.01 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

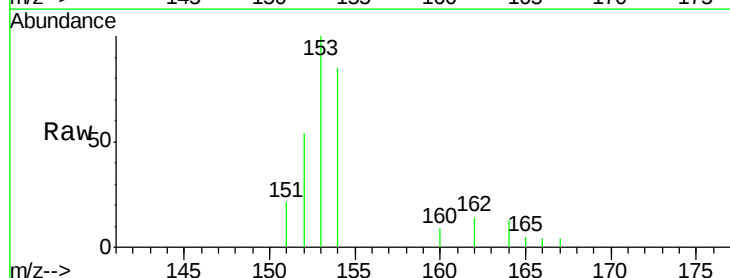
Tgt Ion:153 Resp: 2670

Ion Ratio Lower Upper

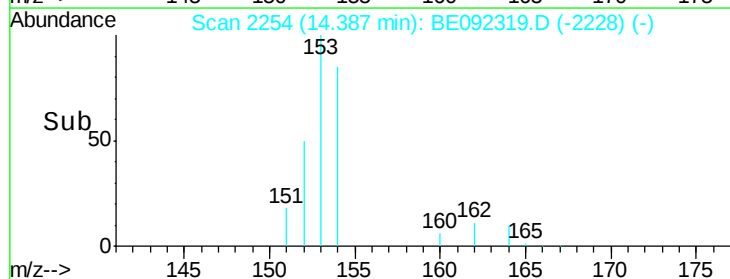
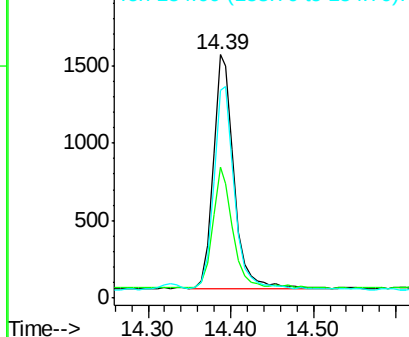
153 100

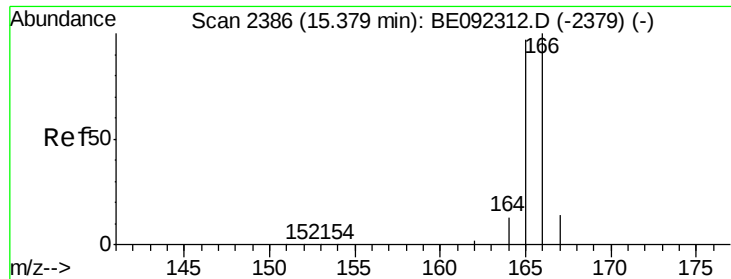
152 53.6 40.9 61.3

154 85.5 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: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

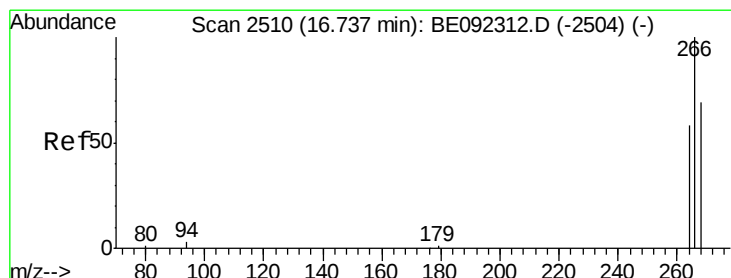
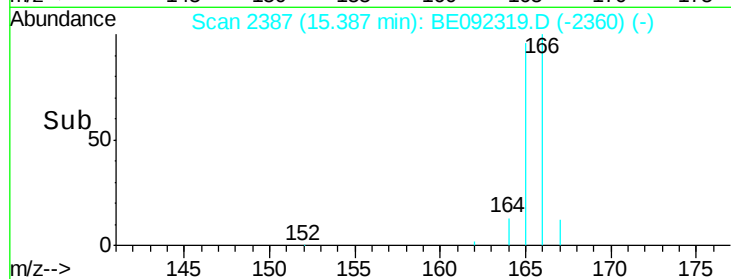
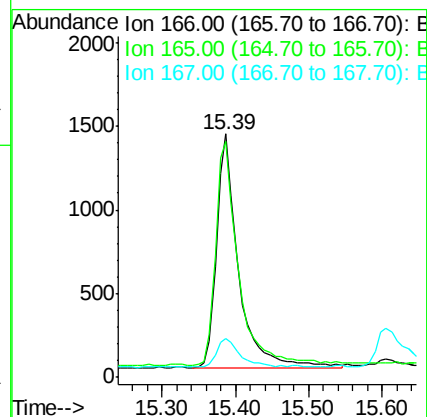
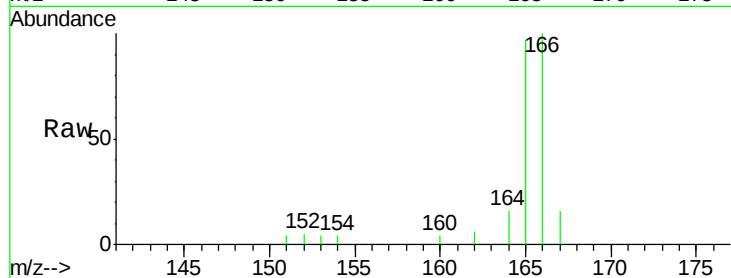
Tgt Ion:166 Resp: 2933

Ion Ratio Lower Upper

166 100

165 96.8 78.7 118.1

167 16.0 11.5 17.3



#11

Pentachlorophenol

Concen: 0.05 ng/ul

RT: 16.74 min Scan# 2510

Delta R.T. -0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

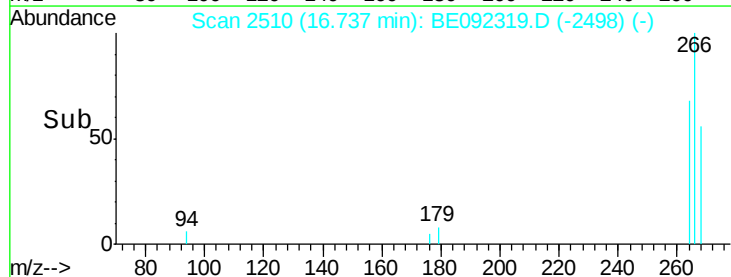
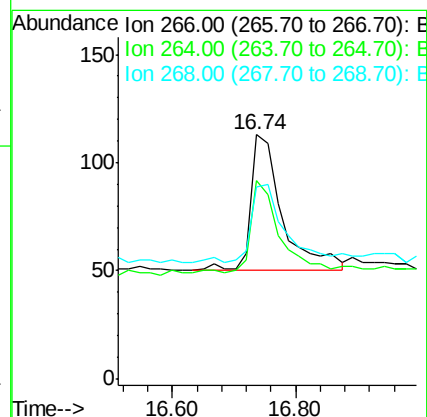
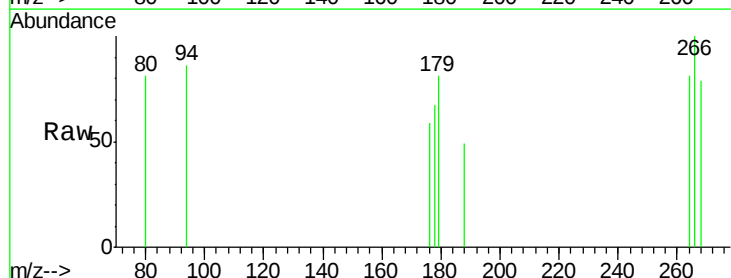
Tgt Ion:266 Resp: 227

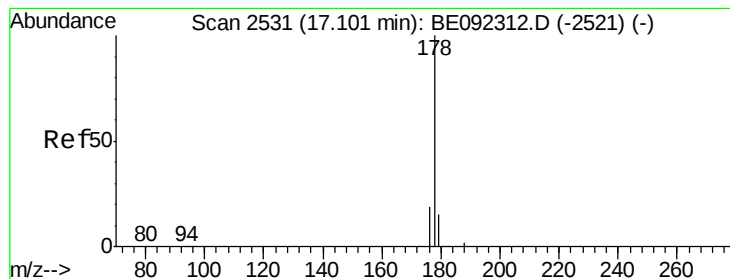
Ion Ratio Lower Upper

266 100

264 69.2 53.0 79.6

268 58.6 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: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

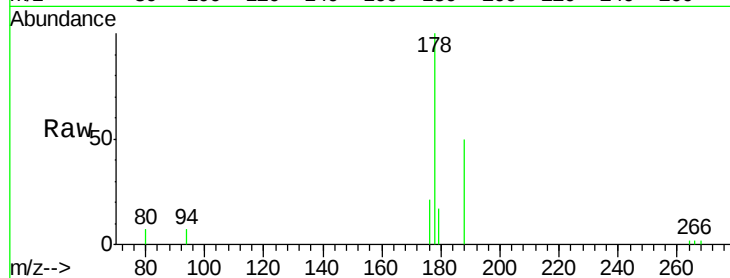
Tgt Ion:178 Resp: 5030

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

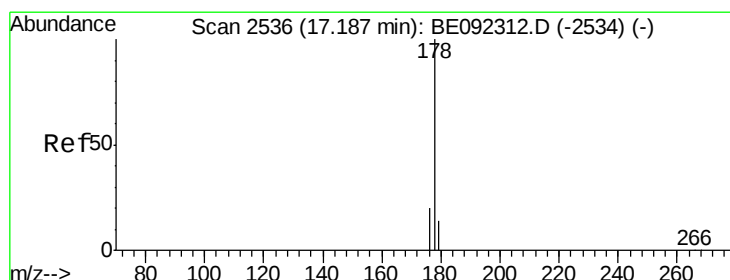
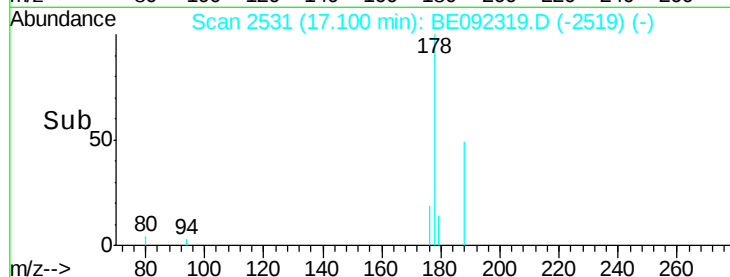
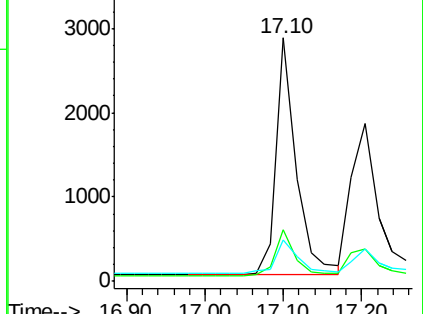
179 17.2 11.9 17.9



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: 0.05 ng/ul

RT: 17.20 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

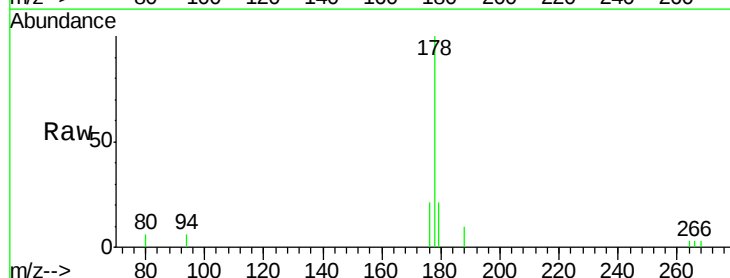
Tgt Ion:178 Resp: 4208

Ion Ratio Lower Upper

178 100

176 20.6 14.0 21.0

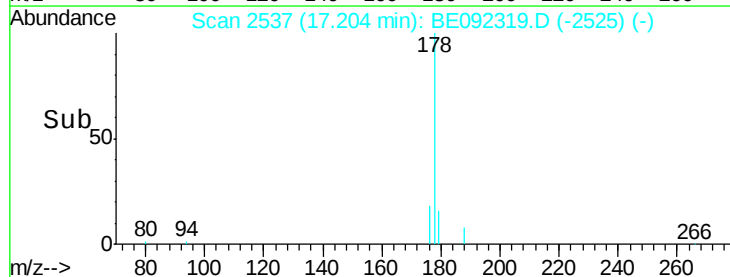
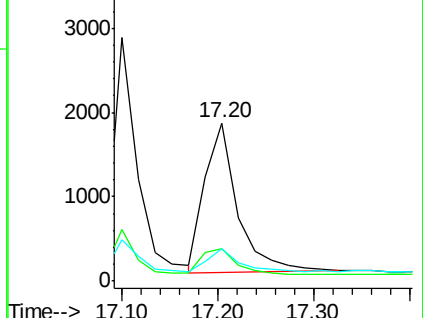
179 20.5 13.6 20.4#

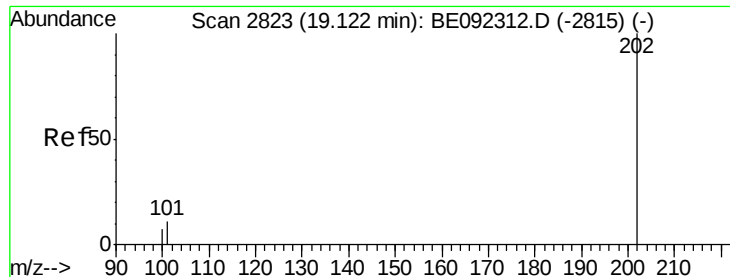


Abundance Ion 178.00 (177.70 to 178.70): E

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. -0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

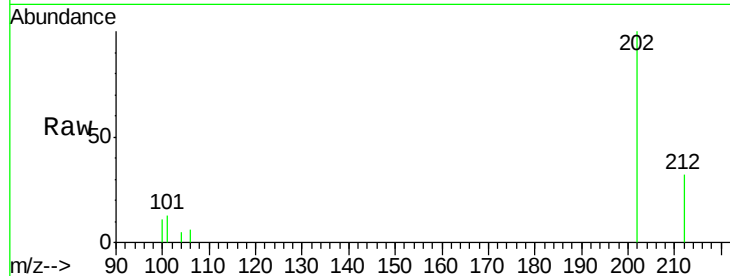
Tgt Ion:202 Resp: 5611

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.8

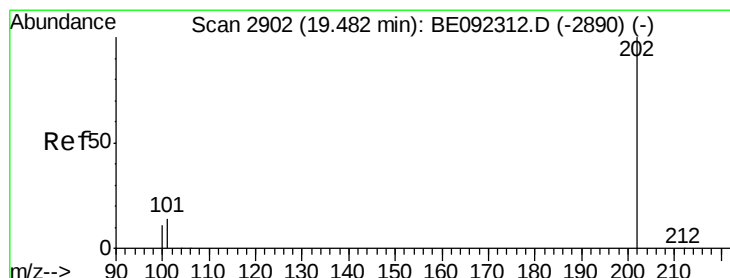
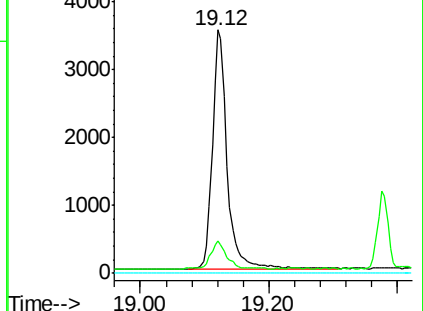
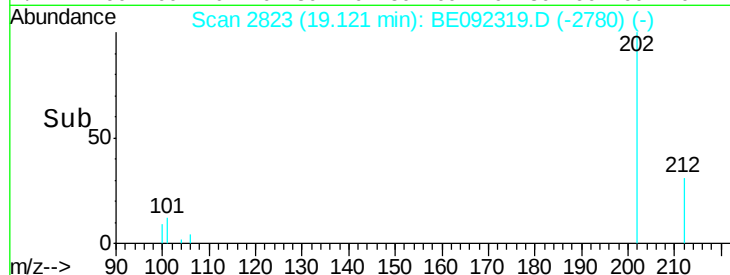
203 0.0 0.0 20.0



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: BE092319.D

Acq: 31 Aug 2016 15:43

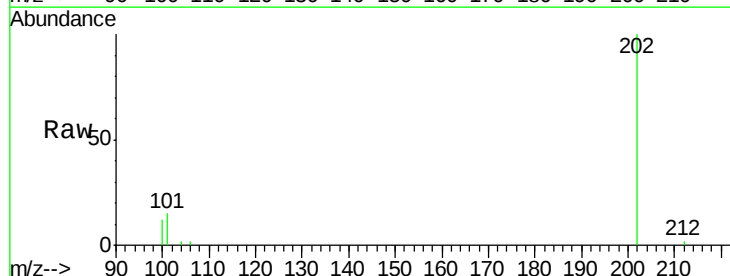
Tgt Ion:202 Resp: 5798

Ion Ratio Lower Upper

202 100

101 14.9 0.0 0.0#

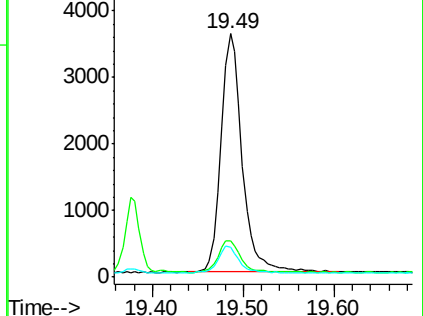
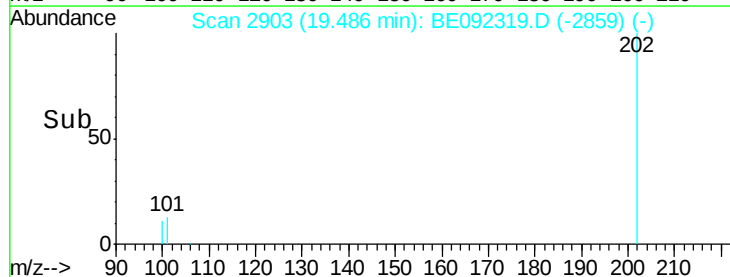
100 12.4 0.0 0.0#

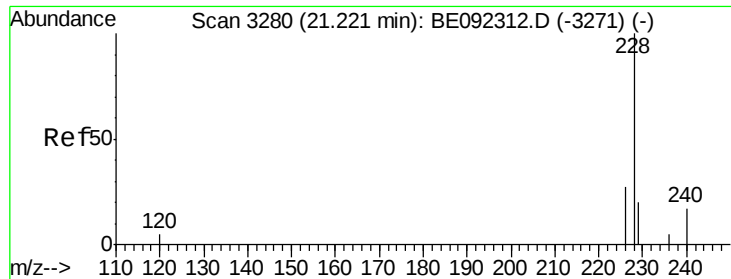


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.22 min Scan# 3281

Delta R.T. -0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

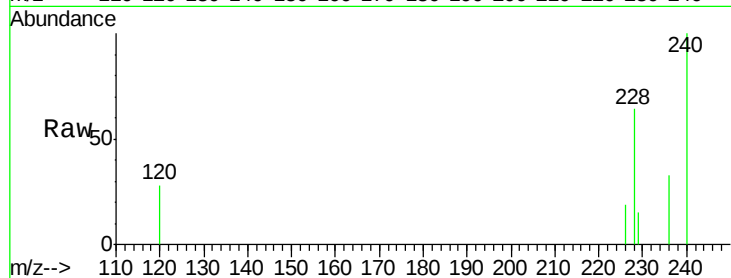
Tgt Ion:228 Resp: 5204

Ion Ratio Lower Upper

228 100

226 28.8 21.6 32.4

229 23.2 15.9 23.9

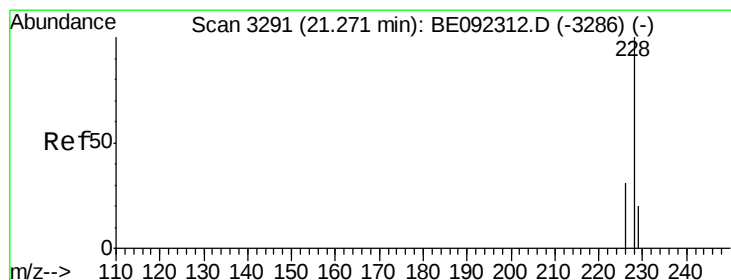
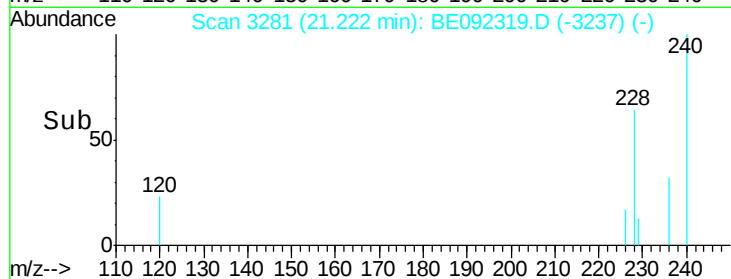
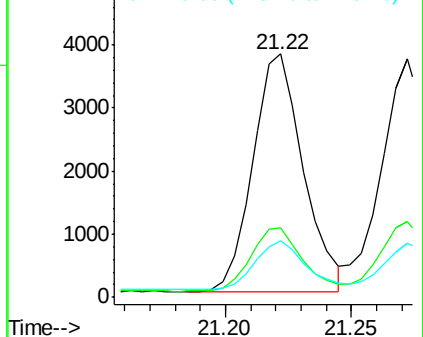


Abundance

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: BE092319.D

Acq: 31 Aug 2016 15:43

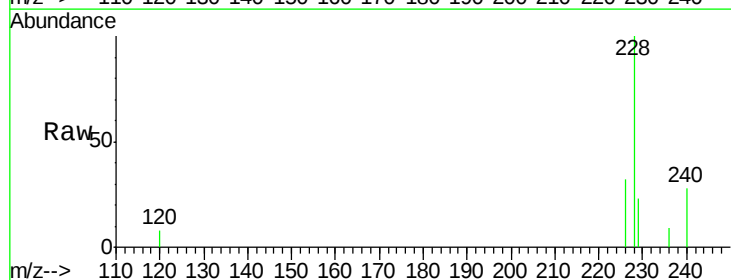
Tgt Ion:228 Resp: 5760

Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.8

229 22.8 16.0 24.0

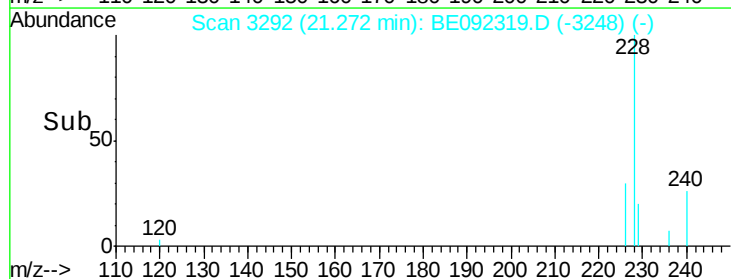
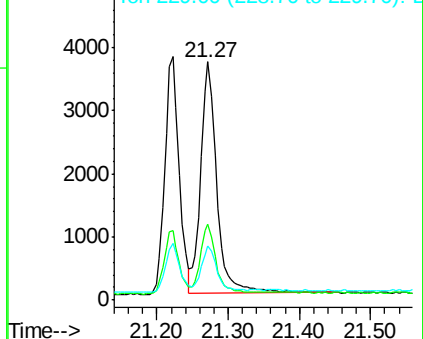


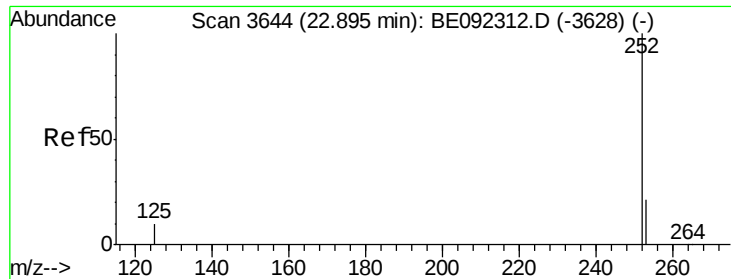
Abundance

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/u1

RT: 22.90 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

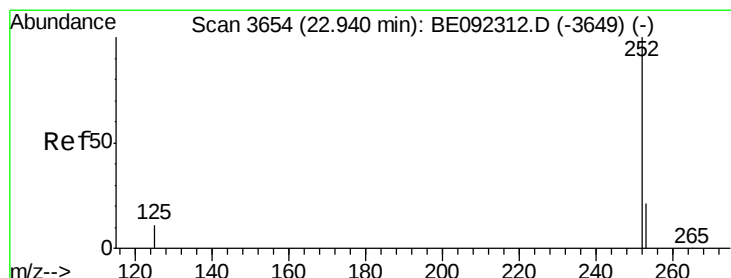
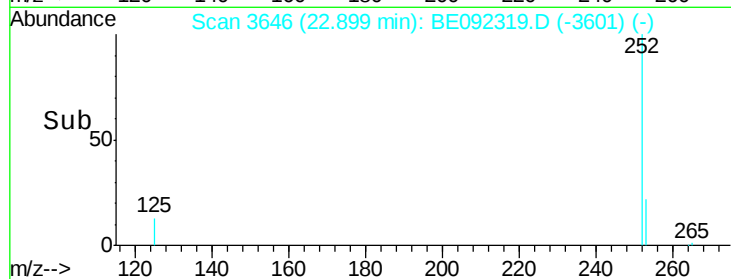
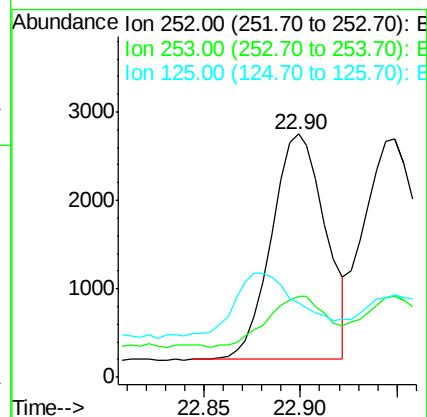
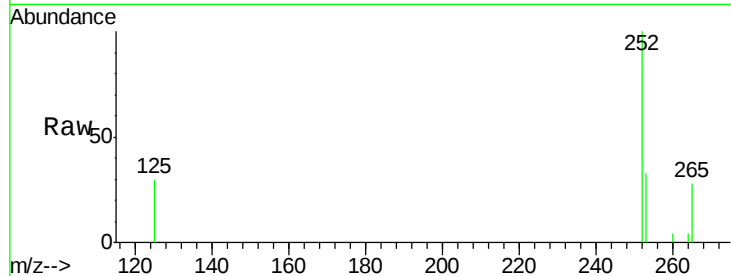
Tgt Ion:252 Resp: 4967

Ion Ratio Lower Upper

252 100

253 33.3 0.0 47.6

125 30.5 0.0 24.2#



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/u1

RT: 22.95 min Scan# 3657

Delta R.T. 0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

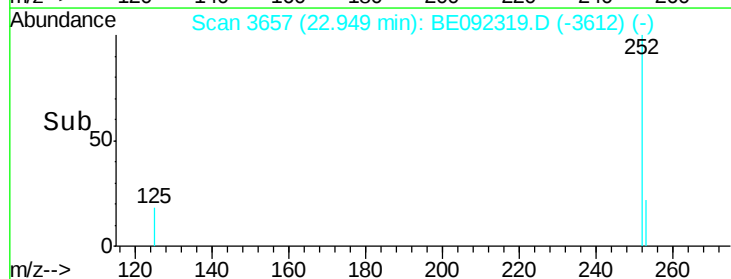
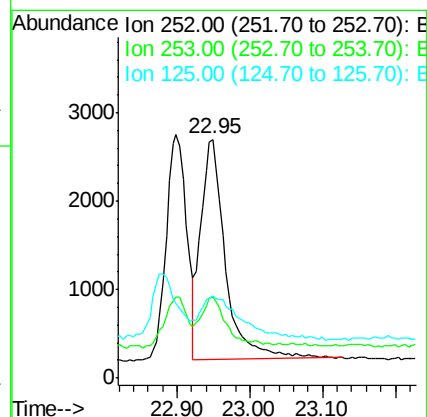
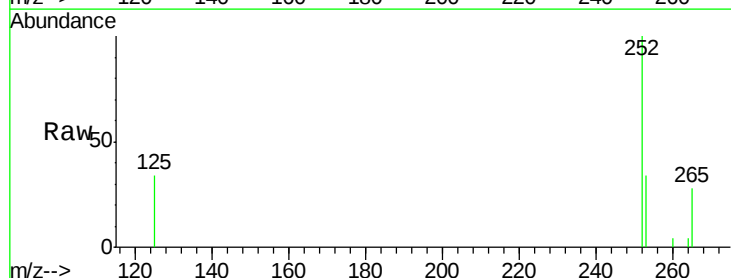
Tgt Ion:252 Resp: 5844

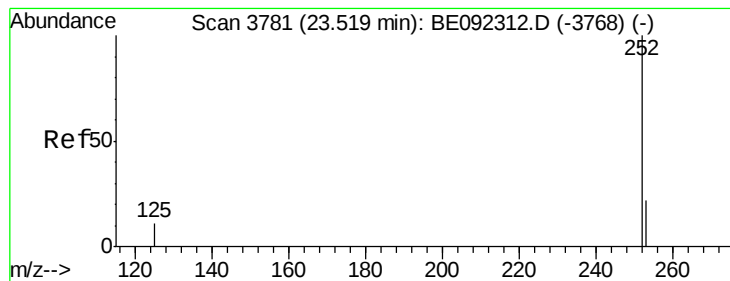
Ion Ratio Lower Upper

252 100

253 34.1 18.7 28.1#

125 34.5 9.7 14.5#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.52 min Scan# 3783

Delta R.T. 0.00 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

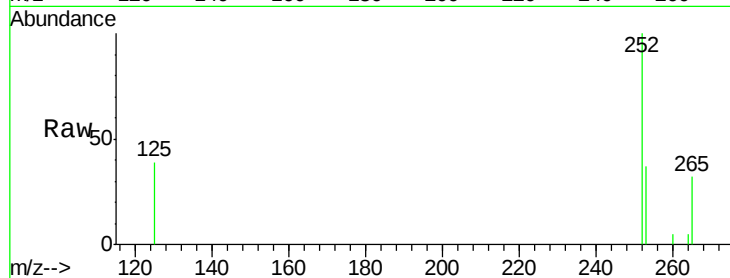
Tgt Ion:252 Resp: 5622

Ion Ratio Lower Upper

252 100

253 36.6 18.8 28.2#

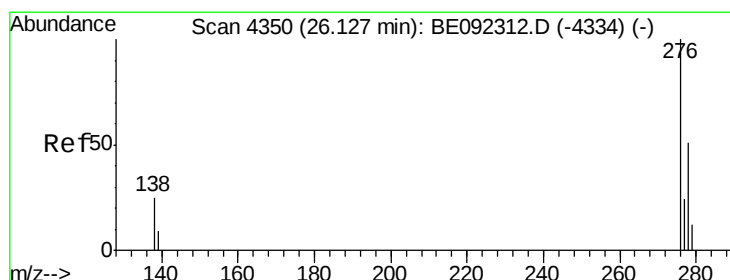
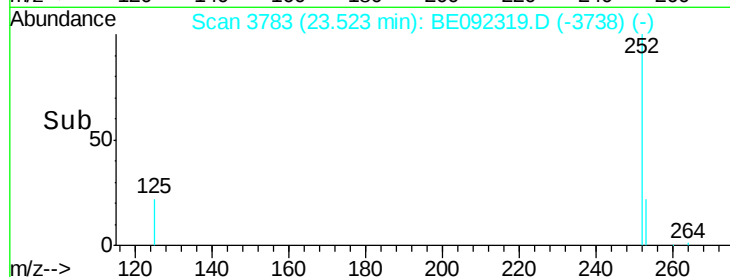
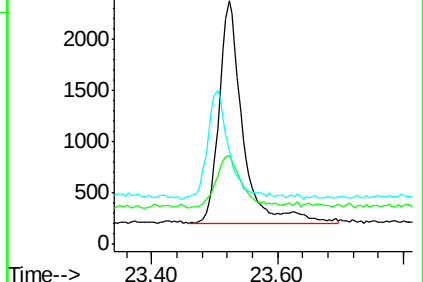
125 38.7 11.9 17.9#



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: 0.06 ng/ul

RT: 26.14 min Scan# 4354

Delta R.T. 0.01 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

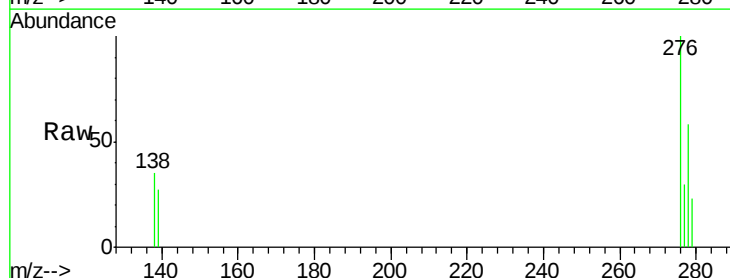
Tgt Ion:276 Resp: 5920

Ion Ratio Lower Upper

276 100

138 26.2 0.0 0.0#

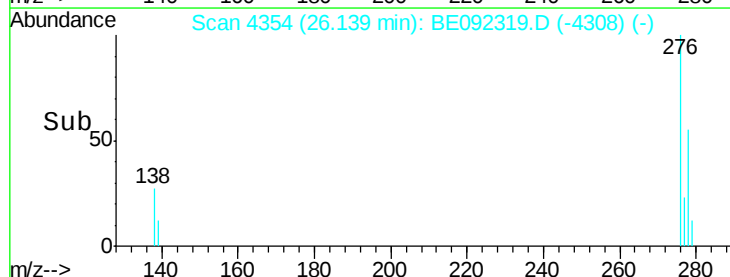
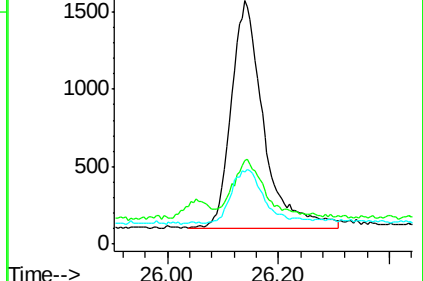
277 26.0 0.0 0.0#

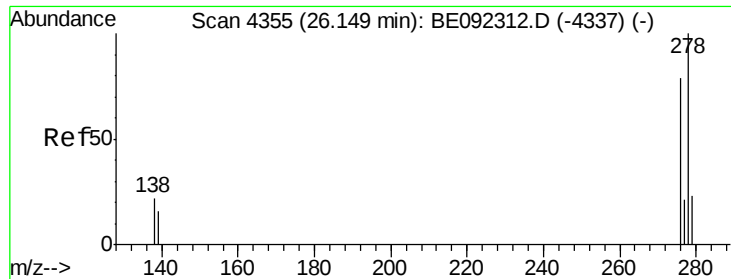


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 26.16 min Scan# 4358

Delta R.T. 0.01 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

Instrument :

BNA_E

ClientSampleId :

MDL-06-S

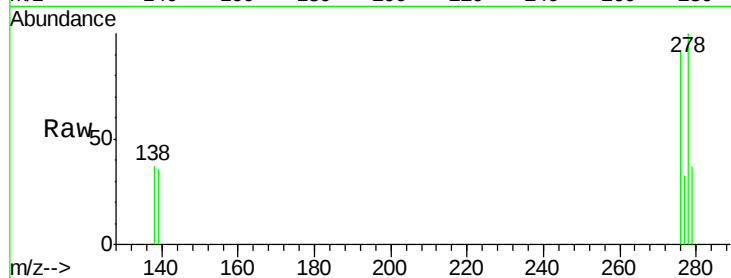
Tgt Ion:278 Resp: 4757

Ion Ratio Lower Upper

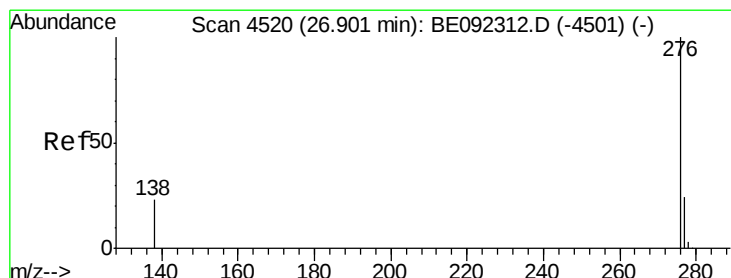
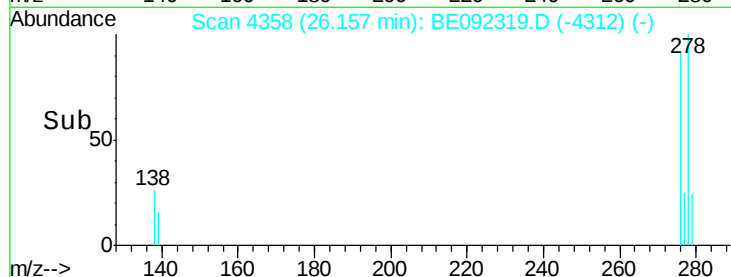
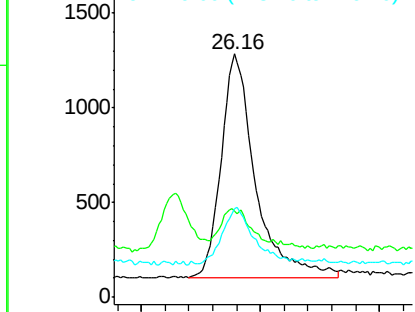
278 100

139 35.6 14.6 22.0#

279 36.6 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# 4522

Delta R.T. 0.01 min

Lab File: BE092319.D

Acq: 31 Aug 2016 15:43

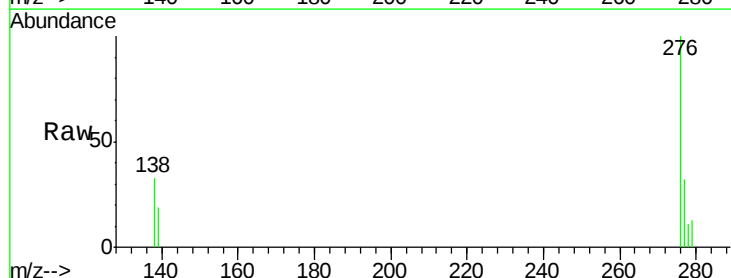
Tgt Ion:276 Resp: 5206

Ion Ratio Lower Upper

276 100

277 32.4 19.5 29.3#

138 32.9 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

