

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE083116\
 Data File : BE092318.D
 Acq On : 31 Aug 2016 15:08
 Operator : UM/SJ
 Sample : MDL-05-S
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

Quant Time: Aug 31 16:17:26 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	5344	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	28841	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	17054	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	36772	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	38626	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	37456	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	10377	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	24311	0.27	ng/ul	0.00

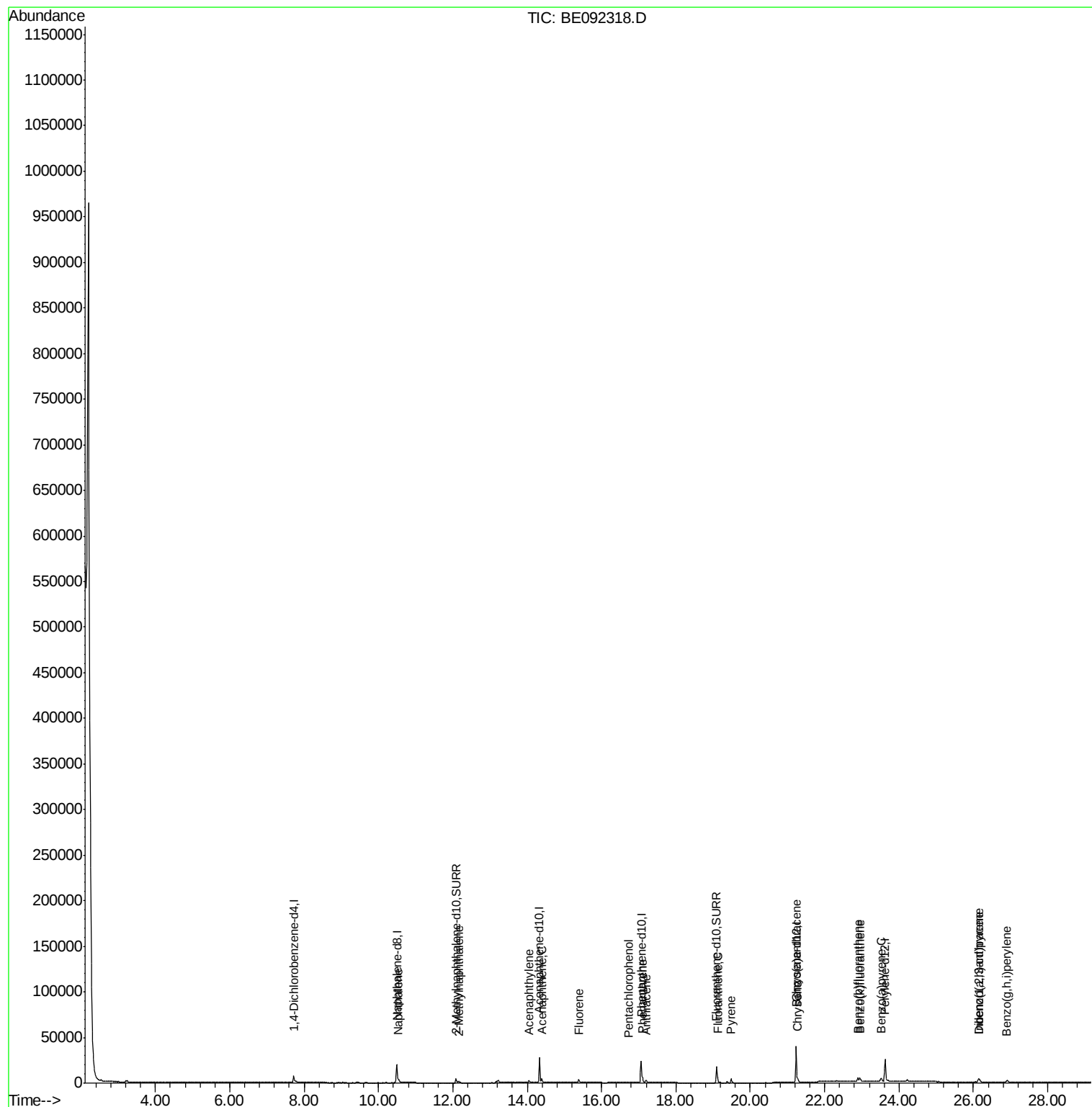
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	3669	0.06	ng/ul#	93
5) 2-Methylnaphthalene	12.16	142	2461	0.06	ng/ul	100
7) Acenaphthylene	14.05	152	4153	0.06	ng/ul	97
8) Acenaphthene	14.39	153	2802	0.05	ng/ul	97
9) Fluorene	15.39	166	3038	0.05	ng/ul	98
11) Pentachlorophenol	16.74	266	240	0.06	ng/ul	92
12) Phenanthrene	17.10	178	5227	0.06	ng/ul	96
13) Anthracene	17.20	178	4585	0.06	ng/ul	95
15) Fluoranthene	19.12	202	5748	0.05	ng/ul	93
17) Pyrene	19.49	202	6135	0.07	ng/ul#	100
18) Benzo(a)anthracene	21.22	228	5517	0.07	ng/ul	96
19) Chrysene	21.27	228	5843	0.06	ng/ul	97
21) Benzo(b)fluoranthene	22.90	252	5235	0.06	ng/ul#	68
22) Benzo(k)fluoranthene	22.94	252	6029	0.06	ng/ul#	65
23) Benzo(a)pyrene	23.52	252	5952	0.06	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	26.13	276	6147	0.06	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.15	278	4881	0.06	ng/ul#	71
26) Benzo(g,h,i)perylene	26.90	276	5203	0.06	ng/ul#	83

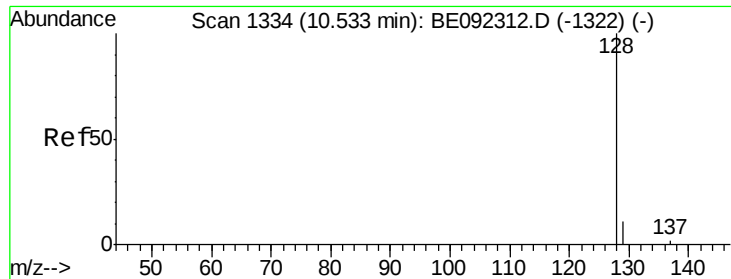
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.54 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

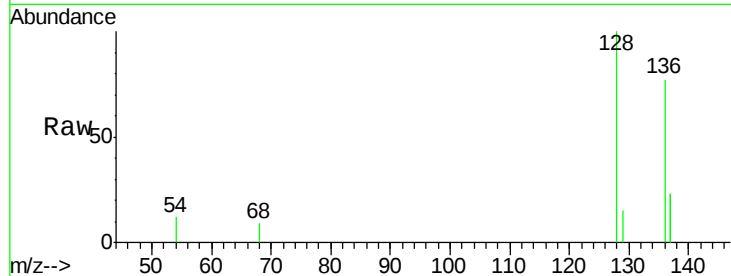
Tgt Ion:128 Resp: 3669

Ion Ratio Lower Upper

128 100

129 14.7 9.7 14.5#

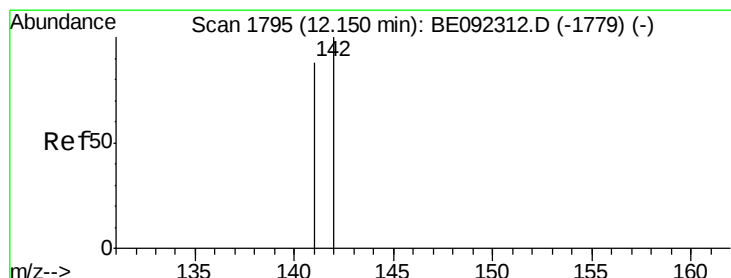
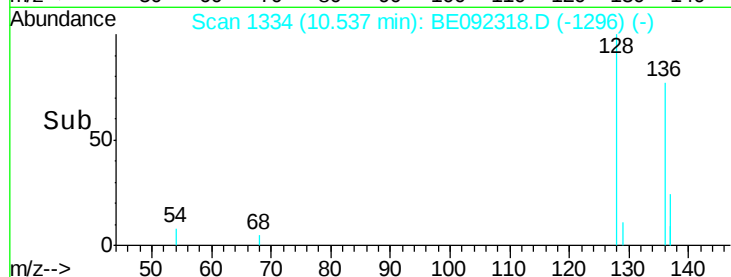
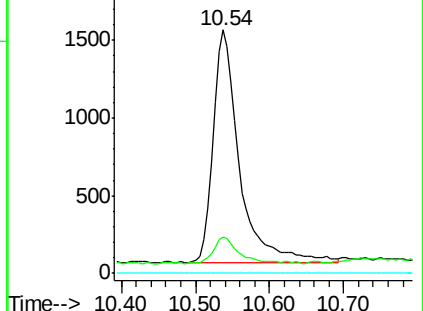
127 0.0 0.0 0.0



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# 1796

Delta R.T. -0.00 min

Lab File: BE092318.D

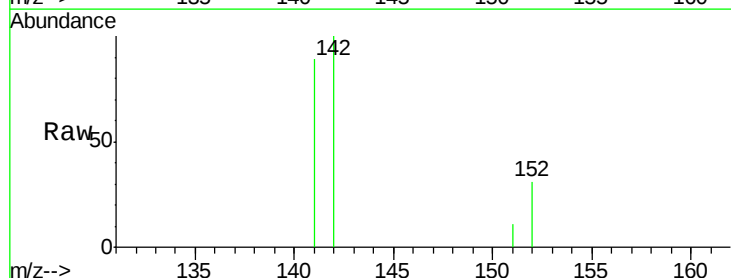
Acq: 31 Aug 2016 15:08

Tgt Ion:142 Resp: 2461

Ion Ratio Lower Upper

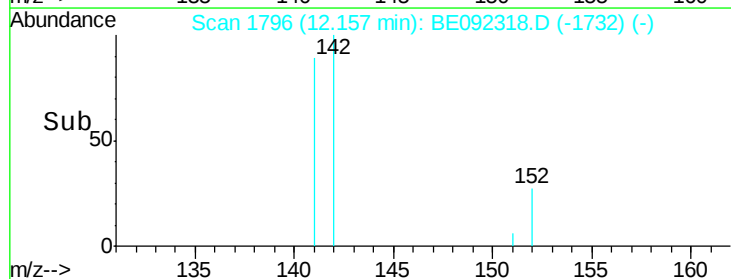
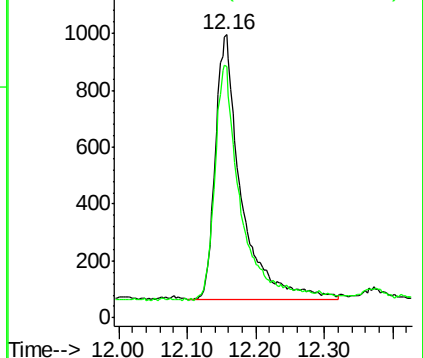
142 100

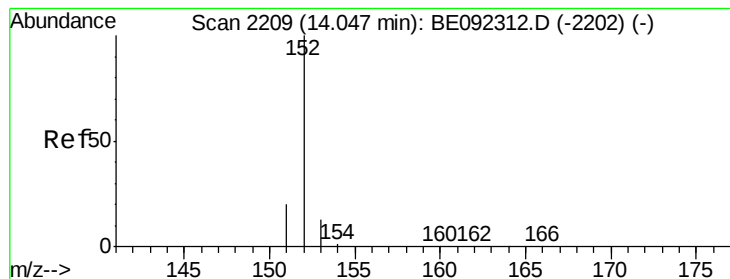
141 90.1 71.9 107.9



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# 2208

Delta R.T. -0.01 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

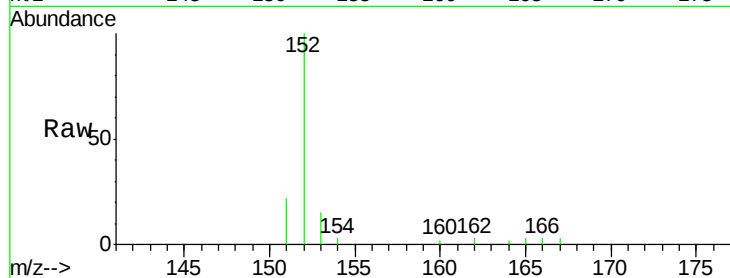
Tgt Ion:152 Resp: 4153

Ion Ratio Lower Upper

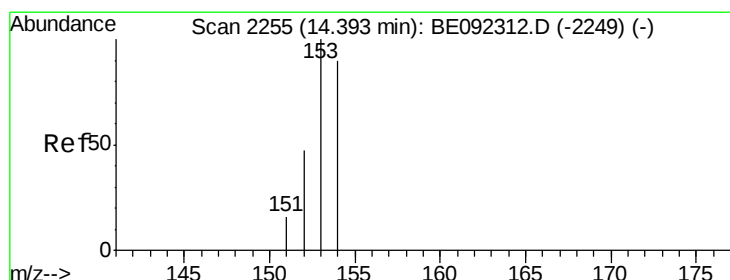
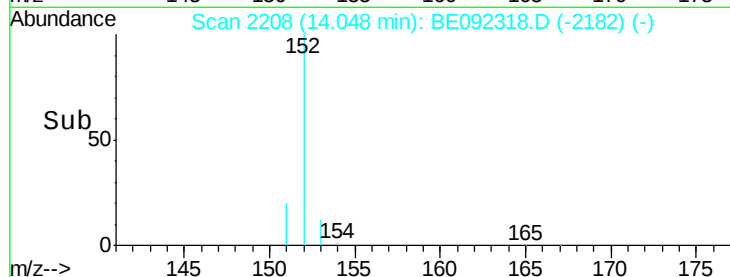
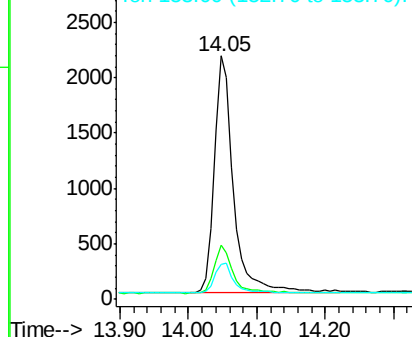
152 100

151 22.0 16.2 24.2

153 14.6 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# 2253

Delta R.T. -0.01 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

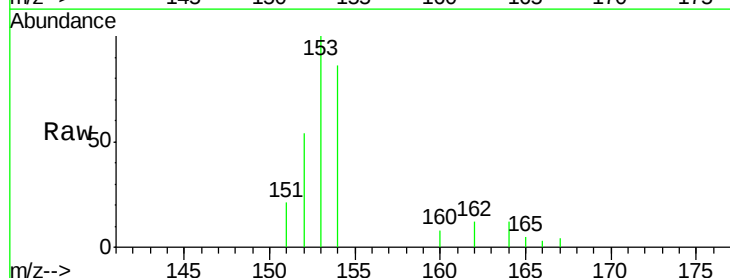
Tgt Ion:153 Resp: 2802

Ion Ratio Lower Upper

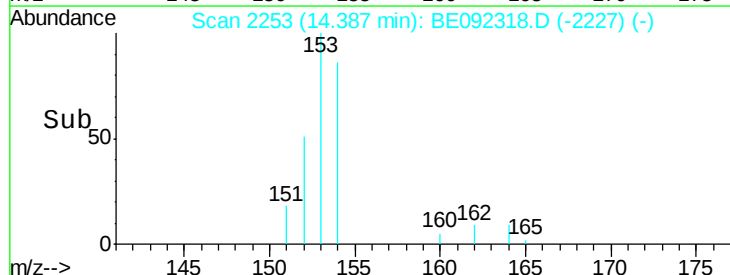
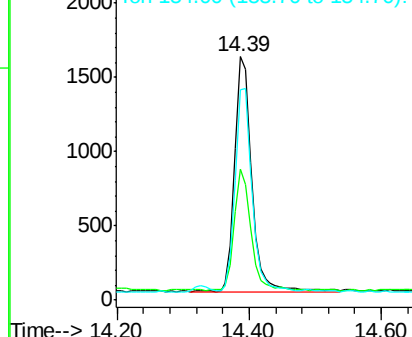
153 100

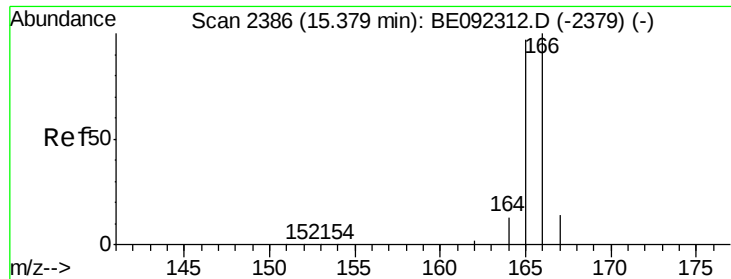
152 53.6 40.9 61.3

154 86.2 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# 2386

Delta R.T. 0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

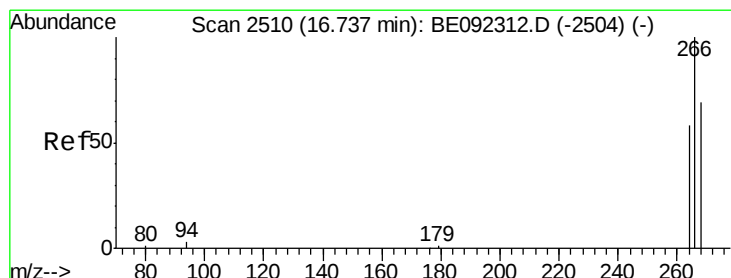
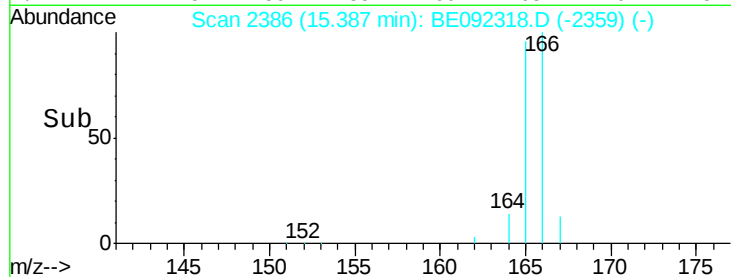
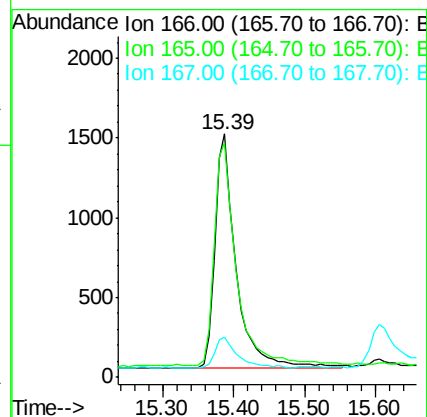
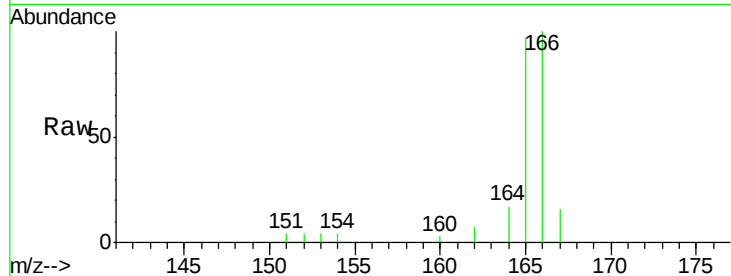
Tgt Ion:166 Resp: 3038

Ion Ratio Lower Upper

166 100

165 96.6 78.7 118.1

167 16.4 11.5 17.3



#11

Pentachlorophenol

Concen: 0.06 ng/ul

RT: 16.74 min Scan# 2509

Delta R.T. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

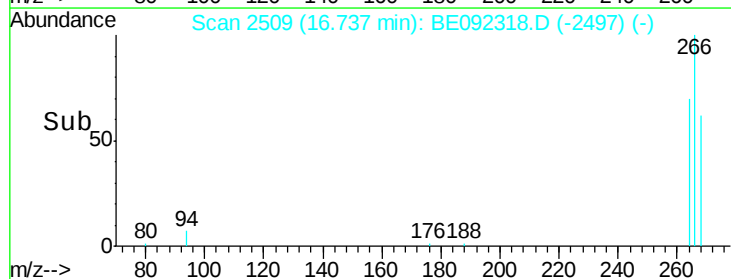
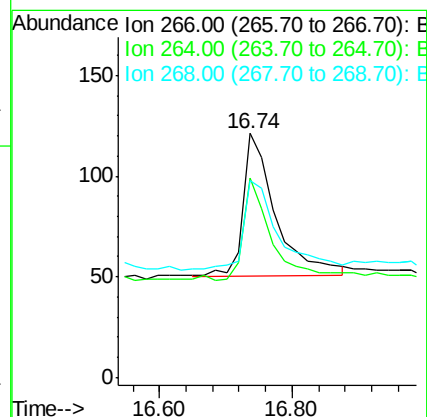
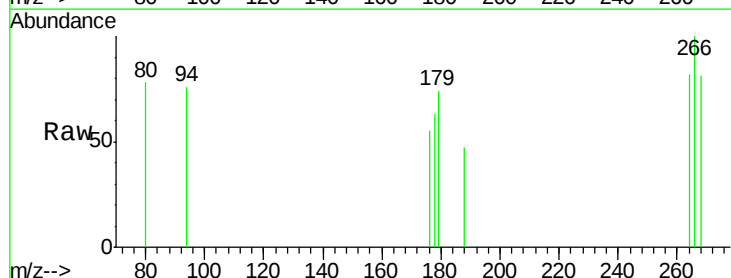
Tgt Ion:266 Resp: 240

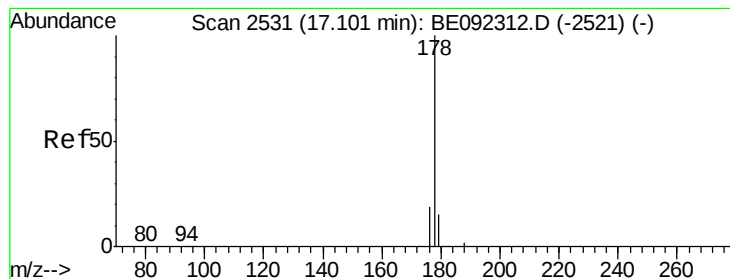
Ion Ratio Lower Upper

266 100

264 59.2 53.0 79.6

268 70.4 52.3 78.5





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.10 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

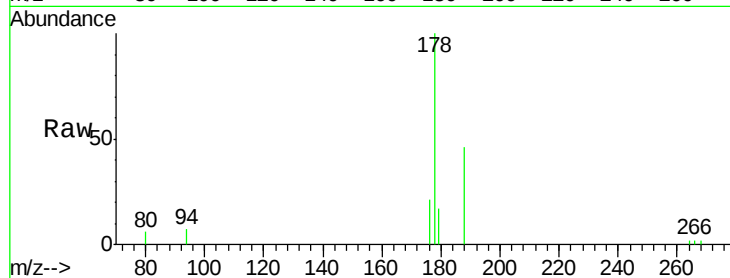
Tgt Ion:178 Resp: 5227

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

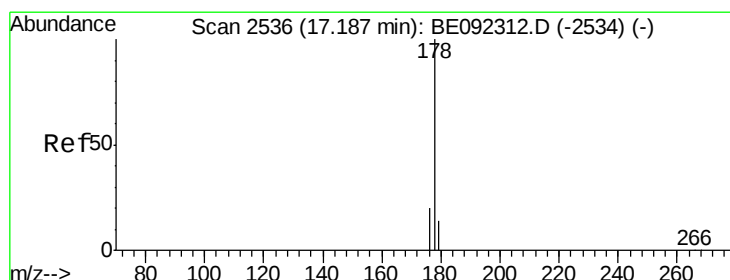
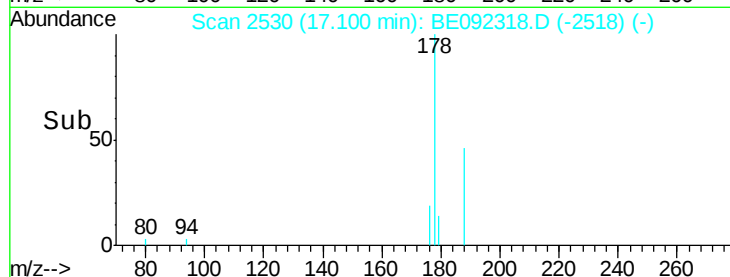
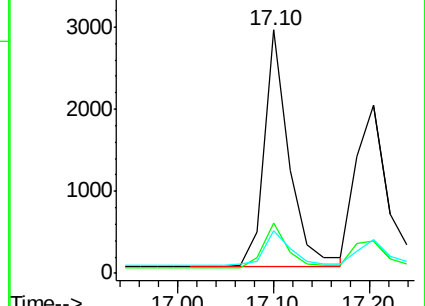
179 17.3 11.9 17.9



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# 2536

Delta R.T. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

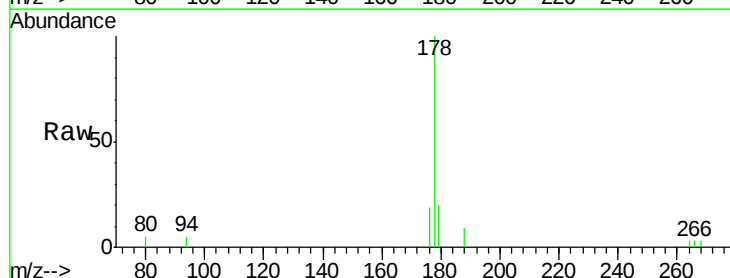
Tgt Ion:178 Resp: 4585

Ion Ratio Lower Upper

178 100

176 19.2 14.0 21.0

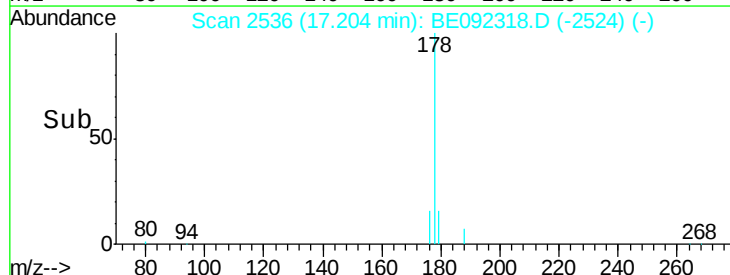
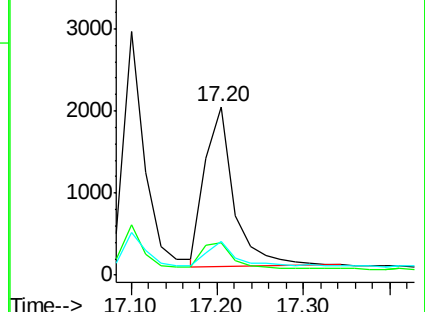
179 19.9 13.6 20.4

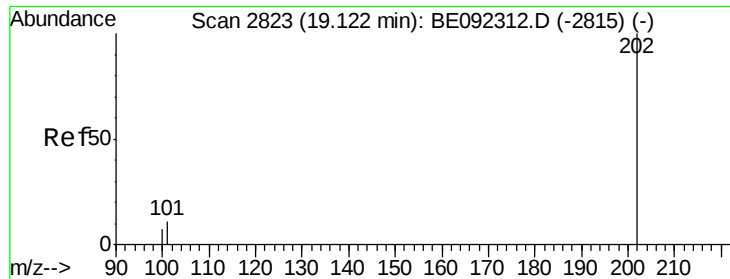


Abundance Ion 178.00 (177.70 to 178.70): E

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# 2822

Delta R.T. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

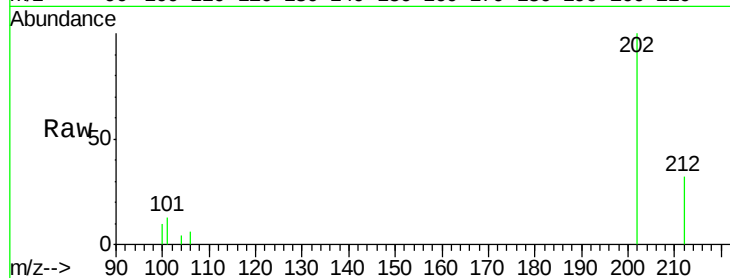
Tgt Ion:202 Resp: 5748

Ion Ratio Lower Upper

202 100

101 13.3 0.0 30.8

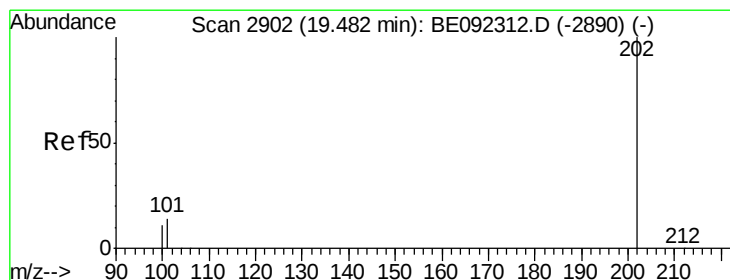
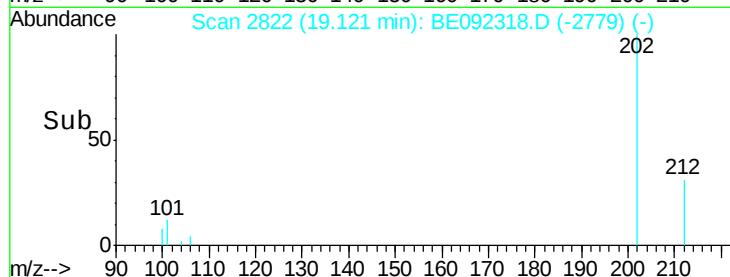
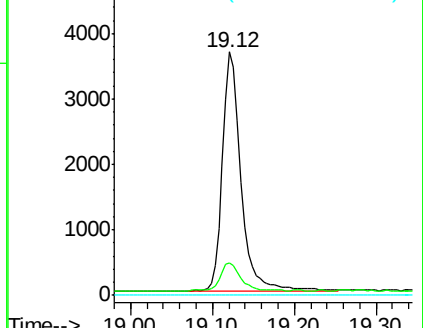
203 0.0 0.0 20.0



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: 0.07 ng/ul

RT: 19.49 min Scan# 2902

Delta R.T. 0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

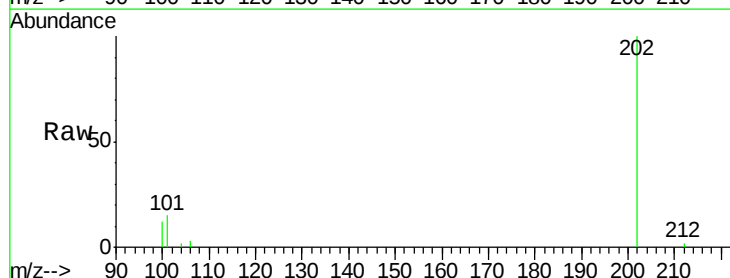
Tgt Ion:202 Resp: 6135

Ion Ratio Lower Upper

202 100

101 14.9 0.0 0.0#

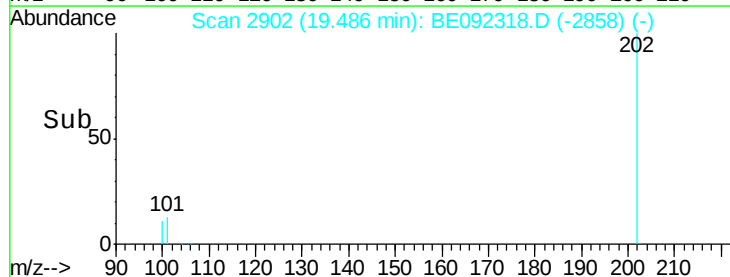
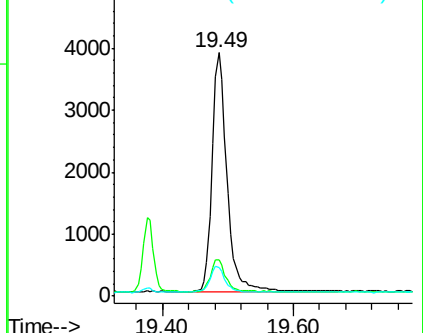
100 11.8 0.0 0.0#

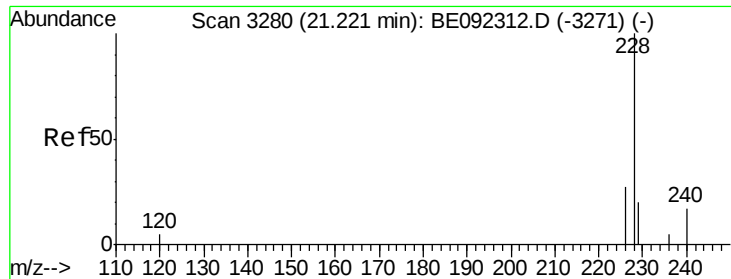


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

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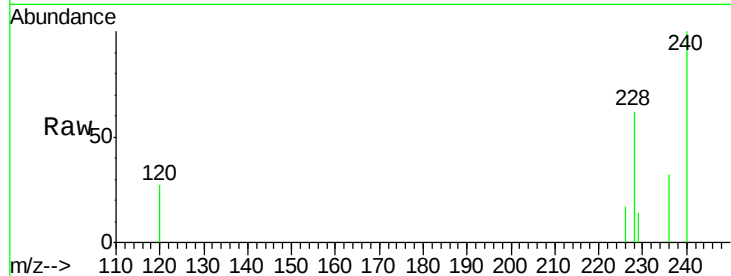
Tgt Ion:228 Resp: 5517

Ion Ratio Lower Upper

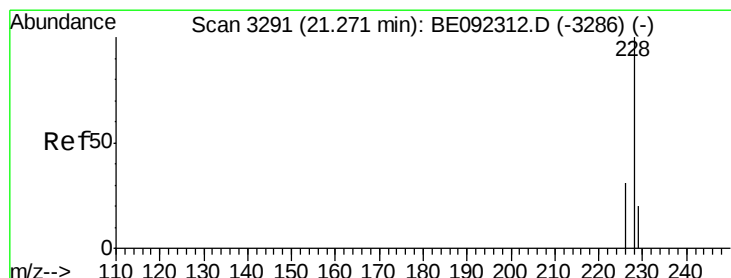
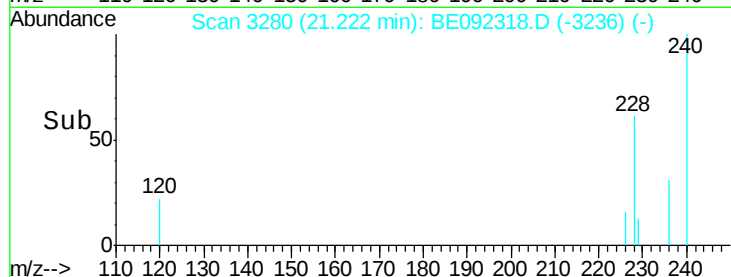
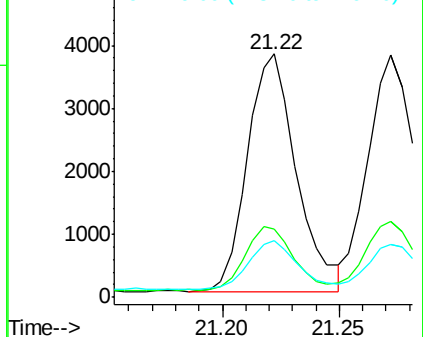
228 100

226 28.2 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# 3291

Delta R.T. -0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

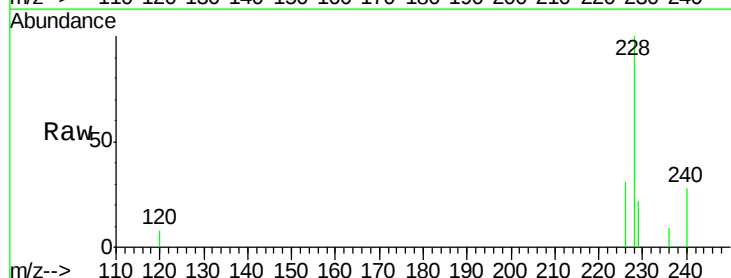
Tgt Ion:228 Resp: 5843

Ion Ratio Lower Upper

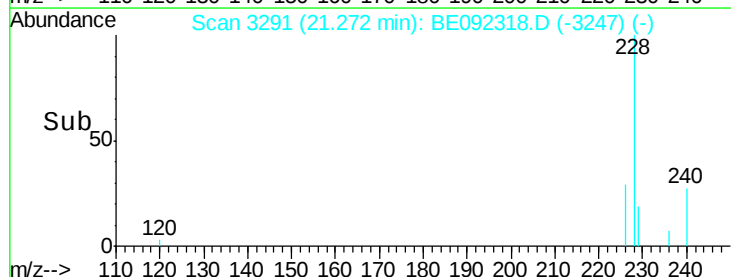
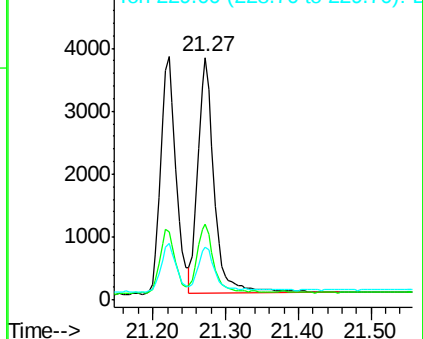
228 100

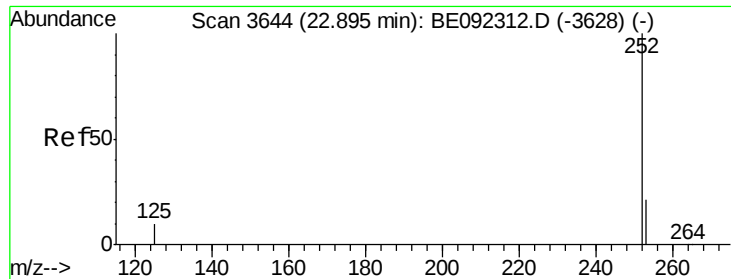
226 31.3 23.8 35.8

229 22.0 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# 3645

Delta R.T. 0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

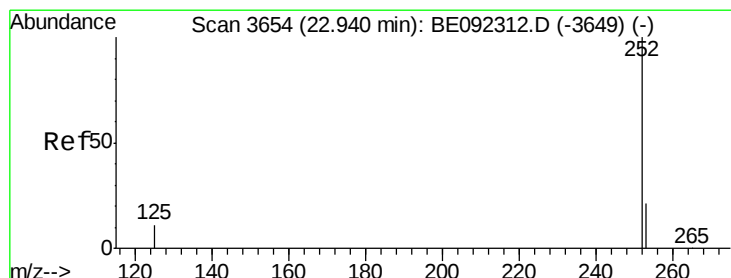
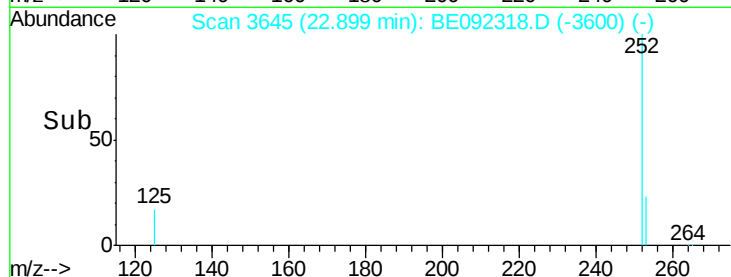
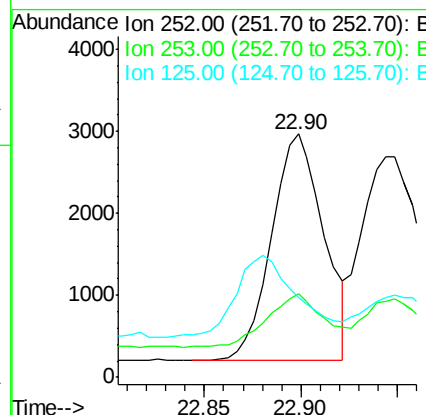
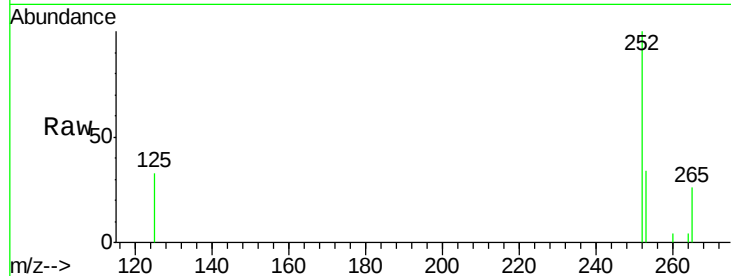
BNA_E

ClientSampleId :

MDL-05-S

Tgt Ion:252 Resp: 5235

Ion	Ratio	Lower	Upper
252	100		
253	34.1	0.0	47.6
125	32.9	0.0	24.2#



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 22.94 min Scan# 3655

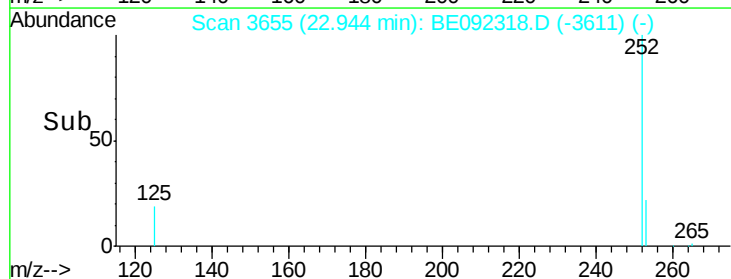
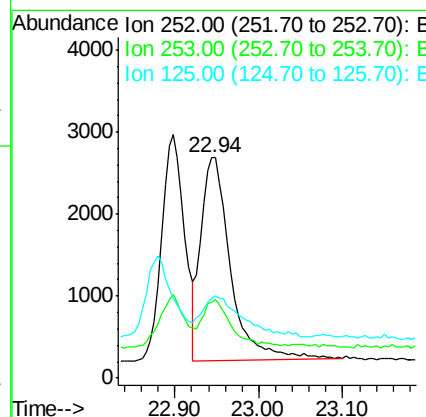
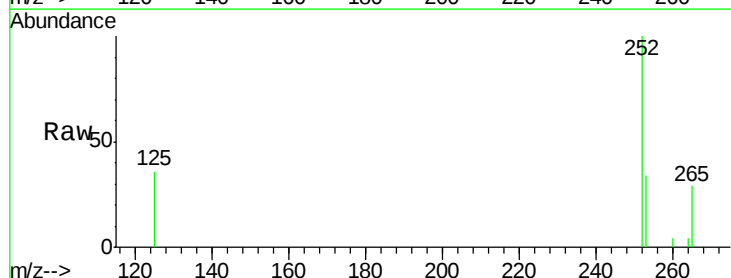
Delta R.T. 0.00 min

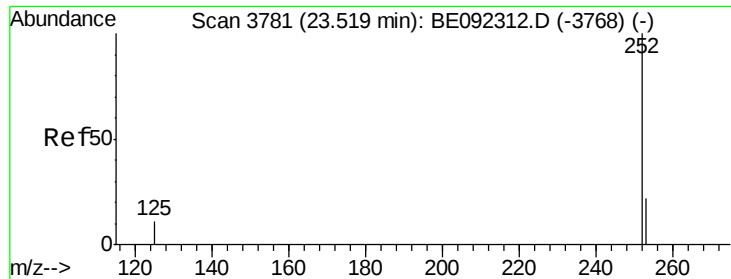
Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Tgt Ion:252 Resp: 6029

Ion	Ratio	Lower	Upper
252	100		
253	34.2	18.7	28.1#
125	35.9	9.7	14.5#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.52 min Scan# 3782

Delta R.T. 0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

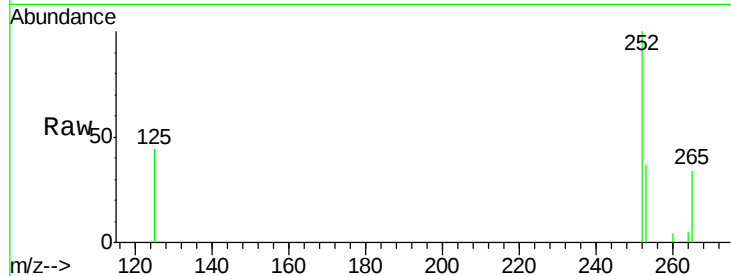
Tgt Ion:252 Resp: 5952

Ion Ratio Lower Upper

252 100

253 36.8 18.8 28.2#

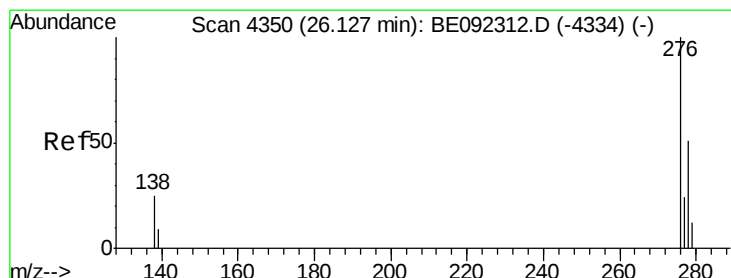
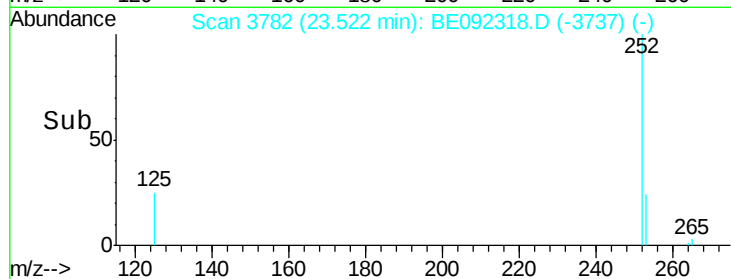
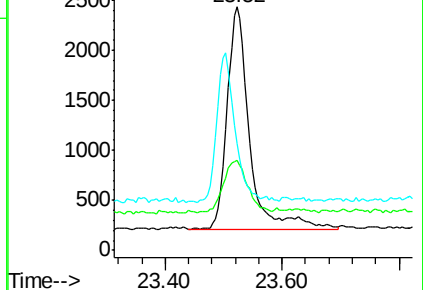
125 43.8 11.9 17.9#



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: 26.13 min Scan# 4352

Delta R.T. 0.00 min

Lab File: BE092318.D

Acq: 31 Aug 2016 15:08

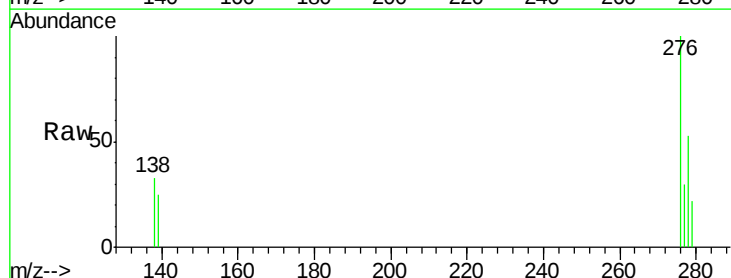
Tgt Ion:276 Resp: 6147

Ion Ratio Lower Upper

276 100

138 25.0 0.0 0.0#

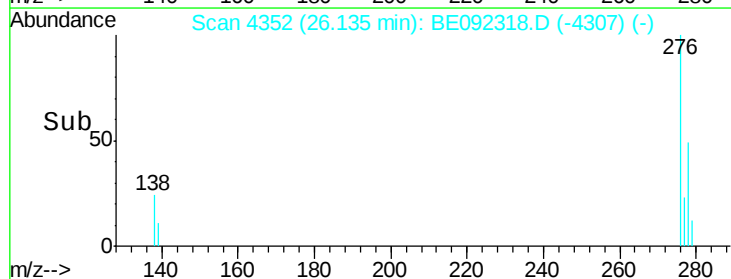
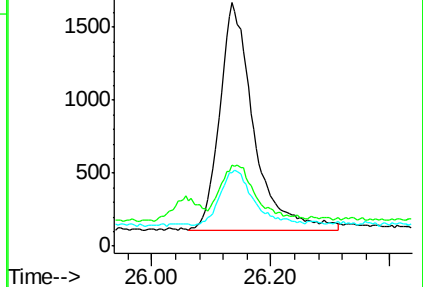
277 24.4 0.0 0.0#

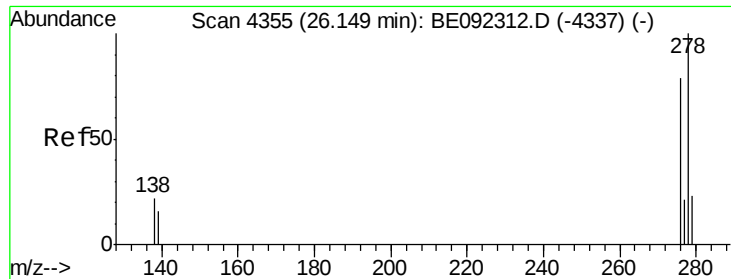


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

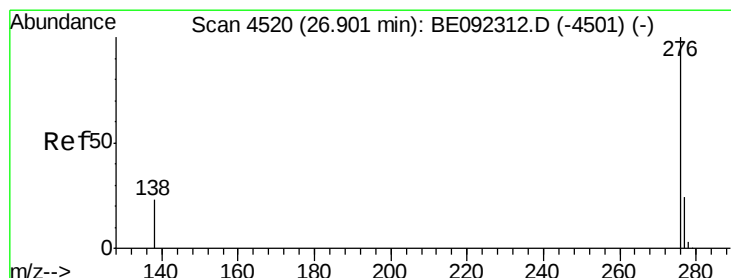
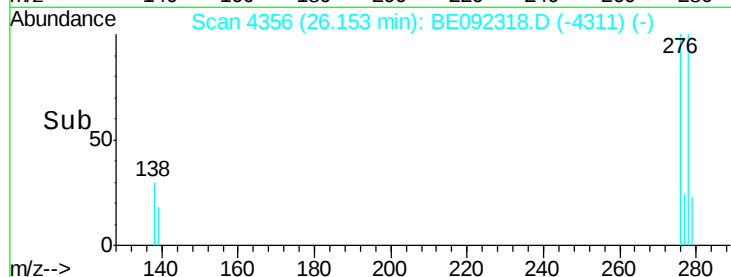
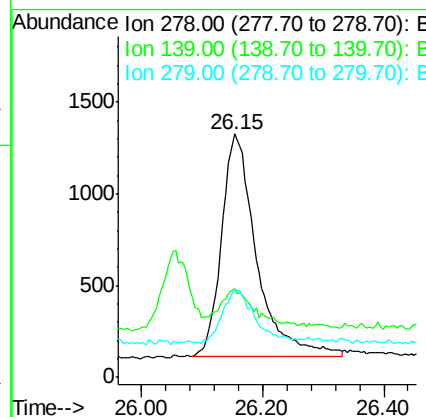
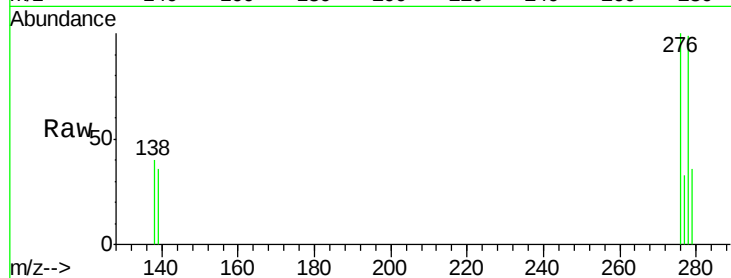




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.15 min Scan# 4356
Delta R.T. 0.00 min
Lab File: BE092318.D
Acq: 31 Aug 2016 15:08

Instrument :
BNA_E
ClientSampleId :
MDL-05-S

Tgt Ion: 278 Resp: 4881
Ion Ratio Lower Upper
278 100
139 36.5 14.6 22.0#
279 35.8 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.90 min Scan# 4520
Delta R.T. 0.00 min
Lab File: BE092318.D
Acq: 31 Aug 2016 15:08

Tgt Ion: 276 Resp: 5203
Ion Ratio Lower Upper
276 100
277 31.1 19.5 29.3#
138 34.2 19.2 28.8#

