

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE083116\
 Data File : BE092320.D
 Acq On : 31 Aug 2016 16:25
 Operator : UM/SJ
 Sample : MDL-07-S
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-S

Quant Time: Aug 31 16:56:23 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	5237	0.40	ng/ul	0.00
2) Naphthalene-d8	10.49	136	27886	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	16385	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	35314	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	37384	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	36435	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	9992	0.27	ng/ul	-0.01
14) Fluoranthene-d10	19.09	212	23194	0.26	ng/ul	0.00

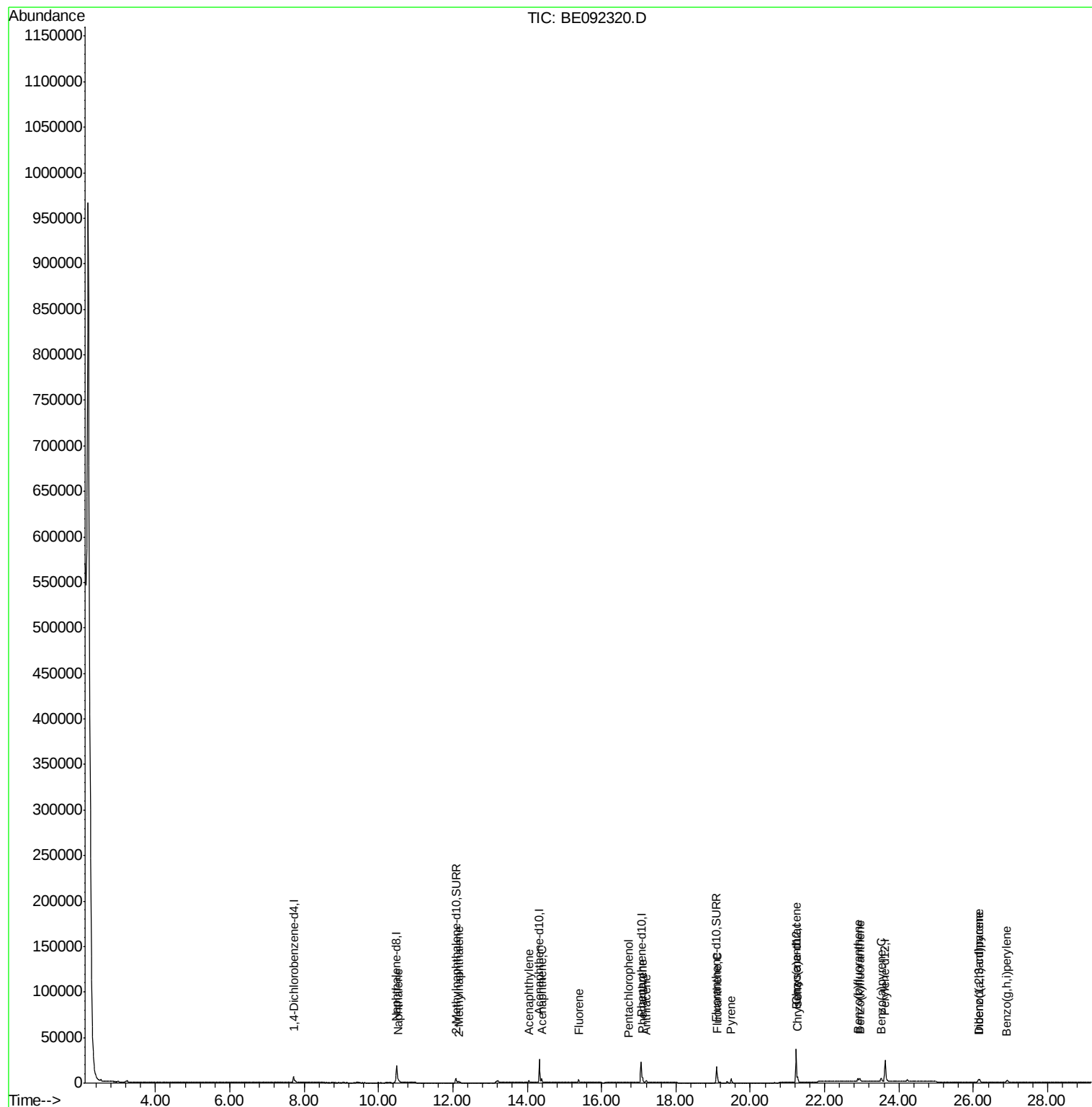
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	3589	0.06	ng/ul	94
5) 2-Methylnaphthalene	12.15	142	2436	0.06	ng/ul	100
7) Acenaphthylene	14.05	152	3994	0.06	ng/ul	97
8) Acenaphthene	14.39	153	2665	0.05	ng/ul	98
9) Fluorene	15.39	166	2911	0.05	ng/ul	98
11) Pentachlorophenol	16.74	266	231	0.06	ng/ul	95
12) Phenanthrene	17.10	178	5096	0.06	ng/ul	96
13) Anthracene	17.20	178	4482	0.06	ng/ul	94
15) Fluoranthene	19.12	202	5525	0.05	ng/ul	93
17) Pyrene	19.49	202	5888	0.07	ng/ul#	100
18) Benzo(a)anthracene	21.22	228	5270	0.07	ng/ul	98
19) Chrysene	21.27	228	5561	0.06	ng/ul	95
21) Benzo(b)fluoranthene	22.90	252	5055	0.06	ng/ul#	71
22) Benzo(k)fluoranthene	22.95	252	5959	0.06	ng/ul#	71
23) Benzo(a)pyrene	23.52	252	5421	0.06	ng/ul#	58
24) Indeno(1,2,3-cd)pyrene	26.14	276	6043	0.06	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.17	278	4767	0.06	ng/ul#	73
26) Benzo(g,h,i)perylene	26.91	276	5163	0.06	ng/ul#	83

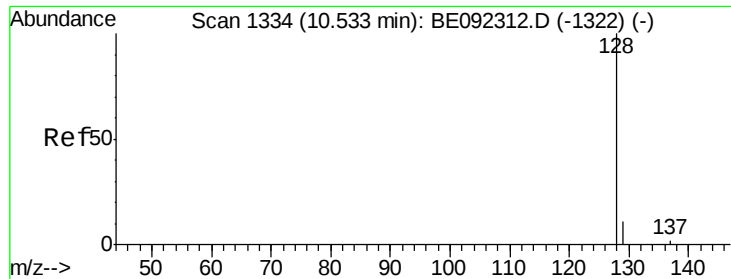
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

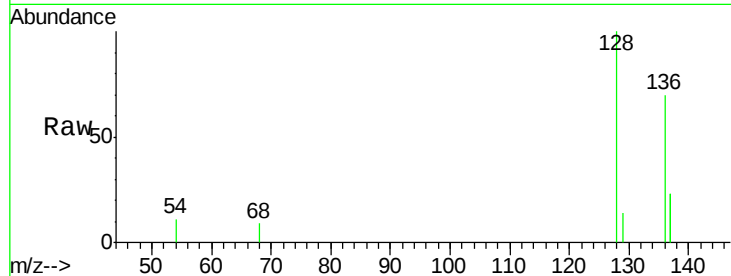
Tgt Ion:128 Resp: 3589

Ion Ratio Lower Upper

128 100

129 14.5 9.7 14.5

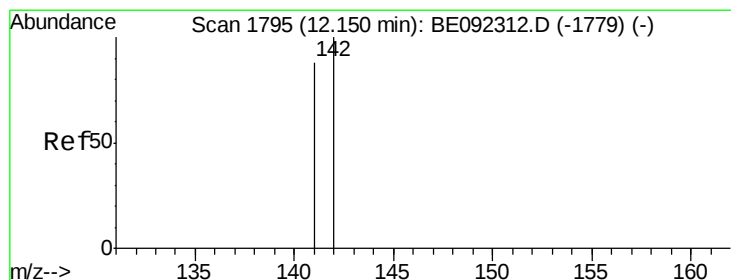
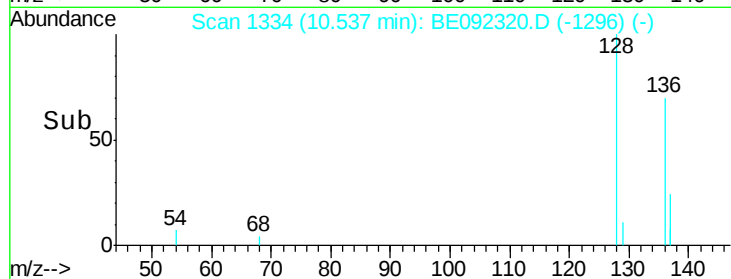
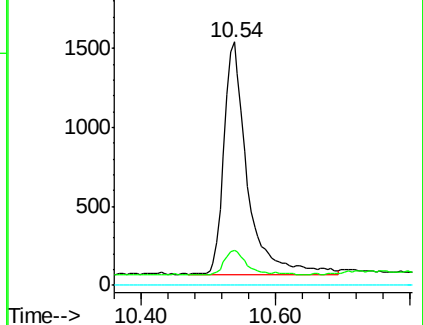
127 0.0 0.0 0.0



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: 12.15 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BE092320.D

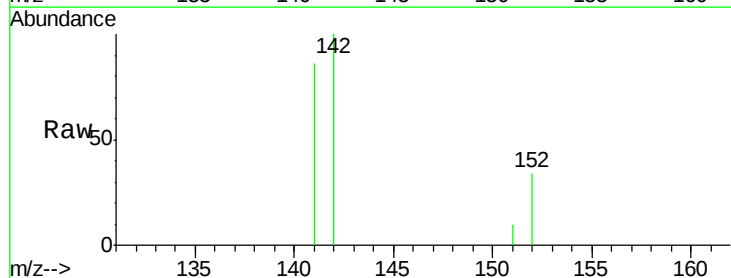
Acq: 31 Aug 2016 16:25

Tgt Ion:142 Resp: 2436

Ion Ratio Lower Upper

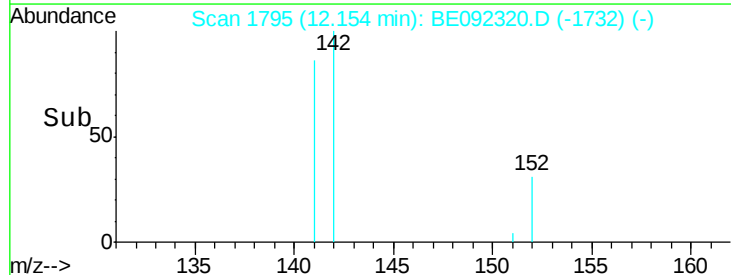
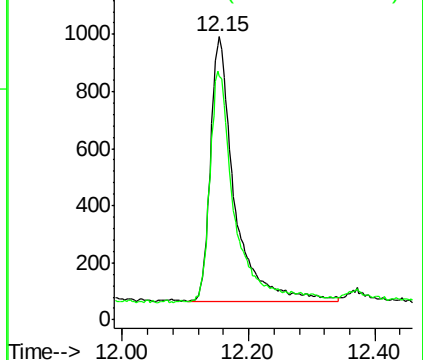
142 100

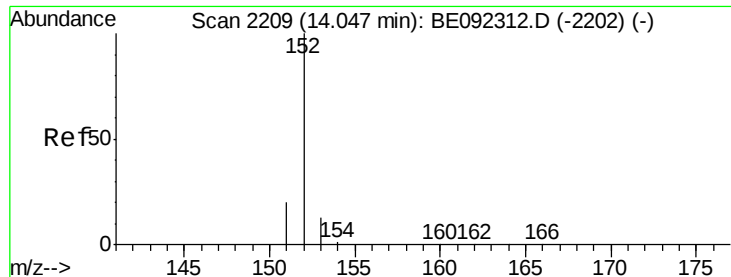
141 90.2 71.9 107.9



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# 2207

Delta R.T. -0.01 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampled :

MDL-07-S

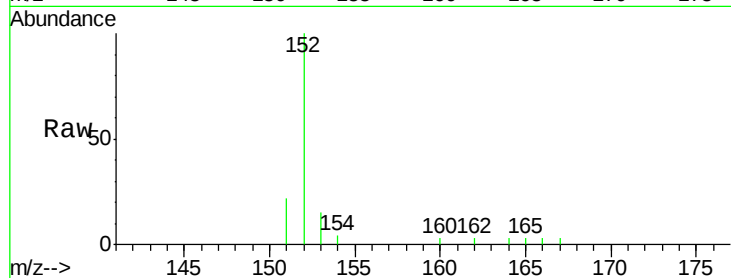
Tgt Ion:152 Resp: 3994

Ion Ratio Lower Upper

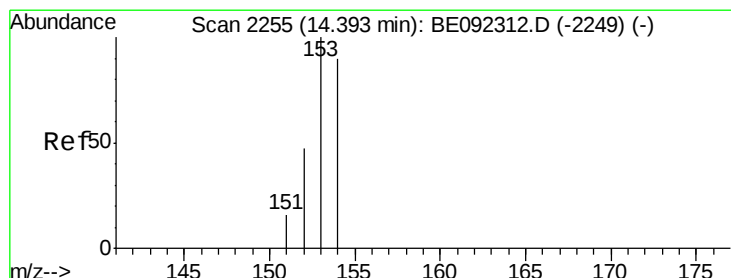
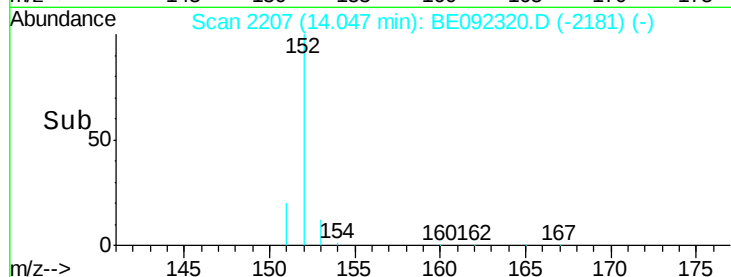
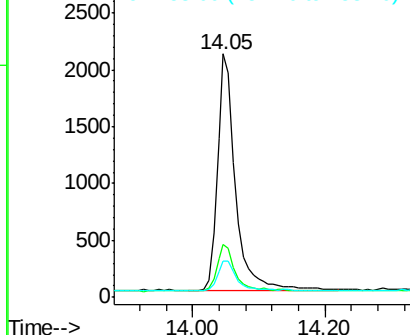
152 100

151 21.9 16.2 24.2

153 14.9 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. 0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

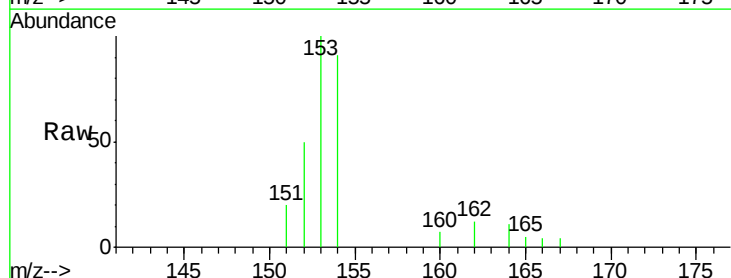
Tgt Ion:153 Resp: 2665

Ion Ratio Lower Upper

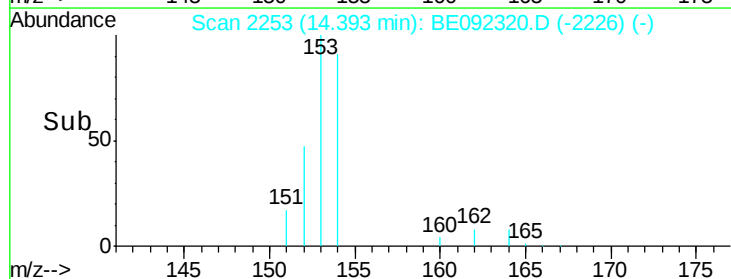
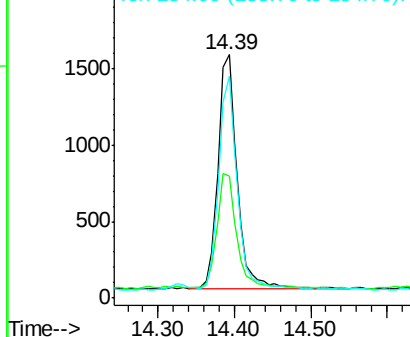
153 100

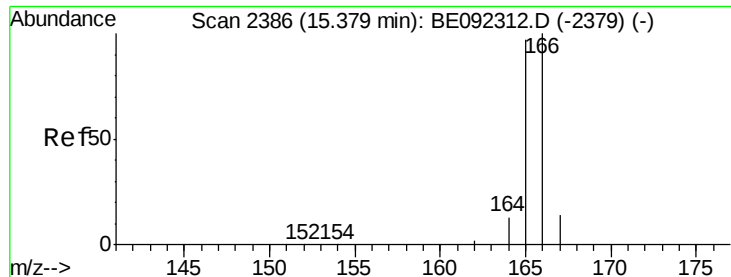
152 50.2 40.9 61.3

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# 2385

Delta R.T. 0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

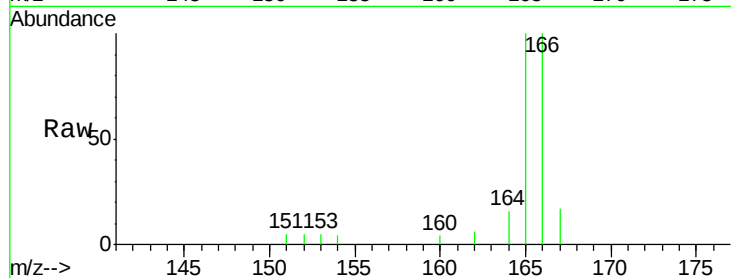
Tgt Ion:166 Resp: 2911

Ion Ratio Lower Upper

166 100

165 99.9 78.7 118.1

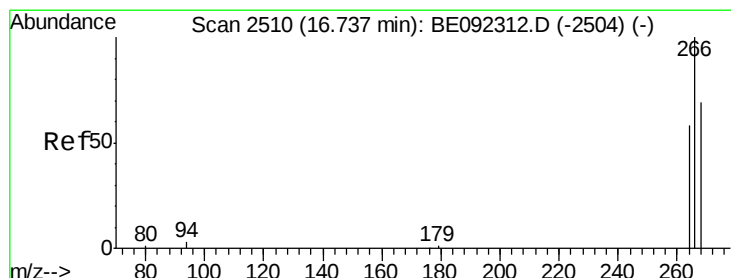
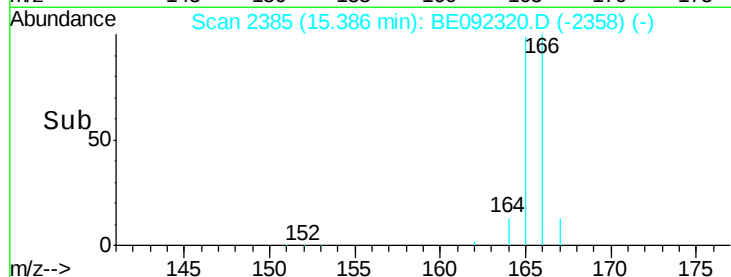
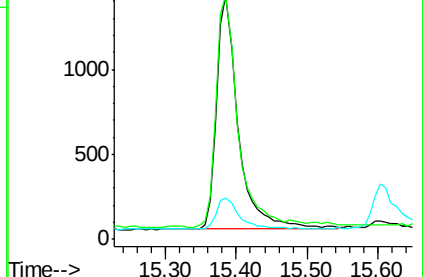
167 17.2 11.5 17.3



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.06 ng/ul

RT: 16.74 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

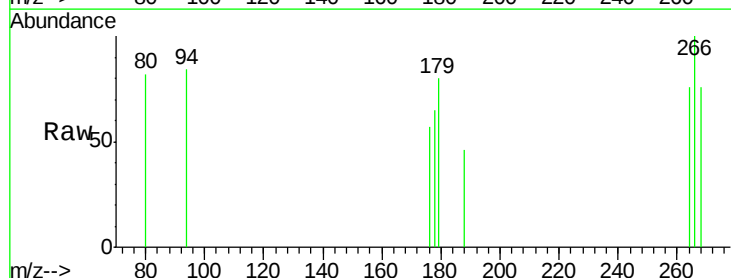
Tgt Ion:266 Resp: 231

Ion Ratio Lower Upper

266 100

264 59.7 53.0 79.6

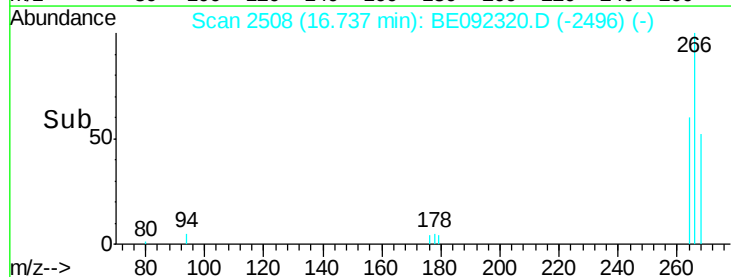
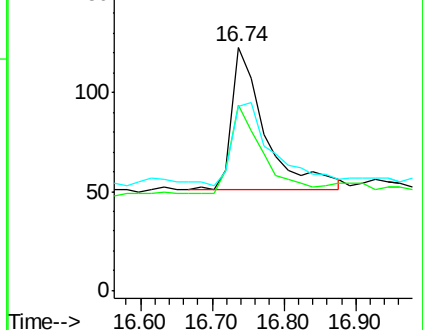
268 64.5 52.3 78.5

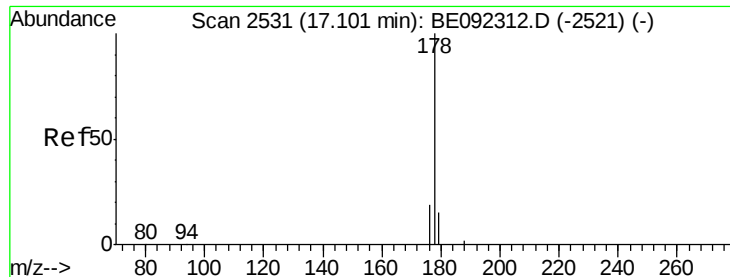


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 17.10 min Scan# 2529

Delta R.T. -0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

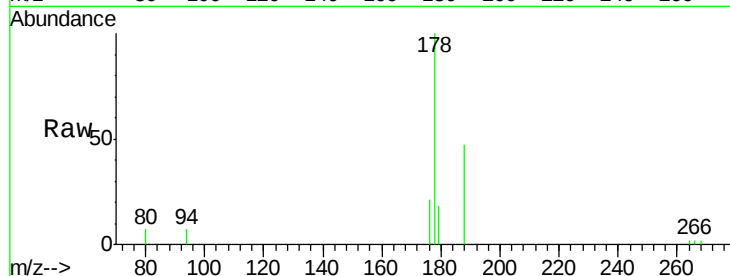
Tgt Ion:178 Resp: 5096

Ion Ratio Lower Upper

178 100

176 21.1 15.8 23.8

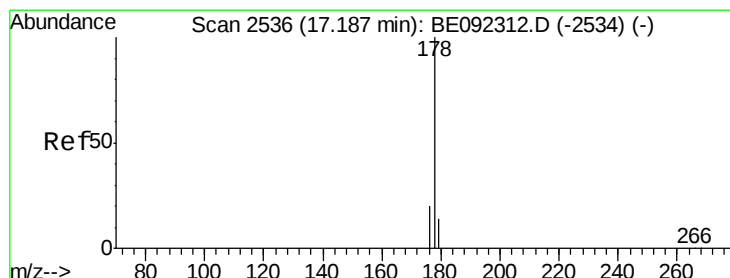
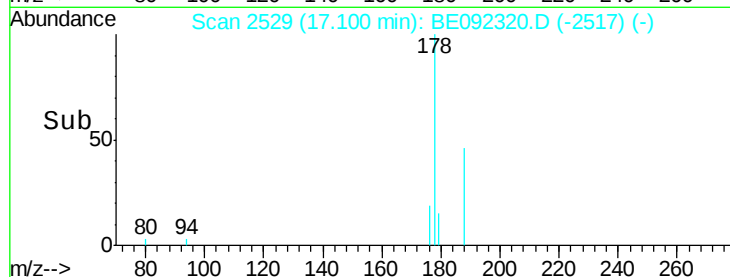
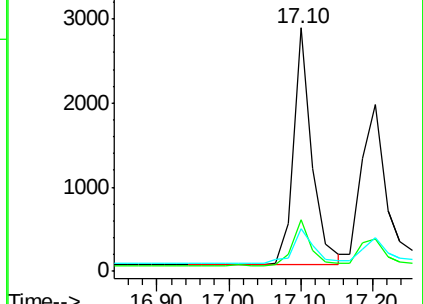
179 17.7 11.9 17.9



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# 2535

Delta R.T. -0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

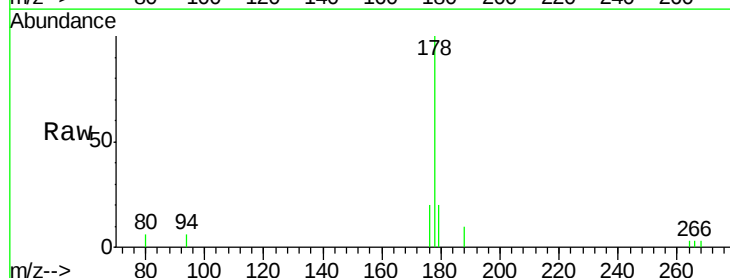
Tgt Ion:178 Resp: 4482

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

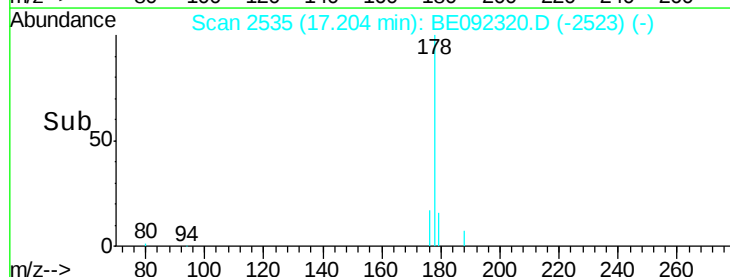
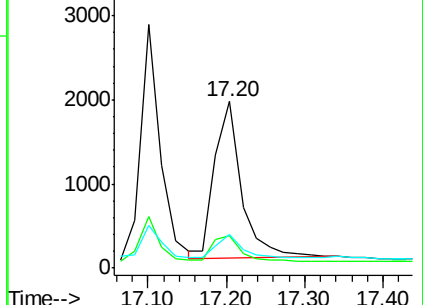
179 19.9 13.6 20.4

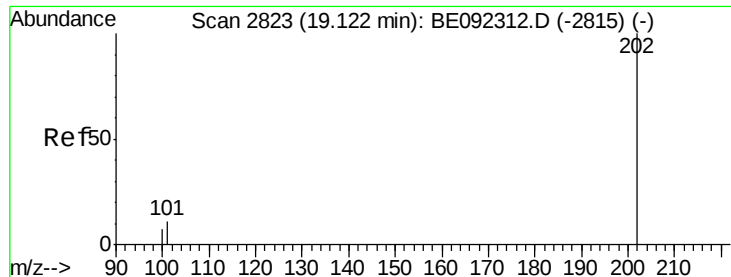


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

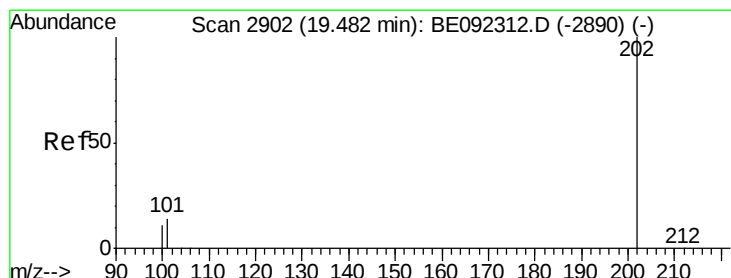
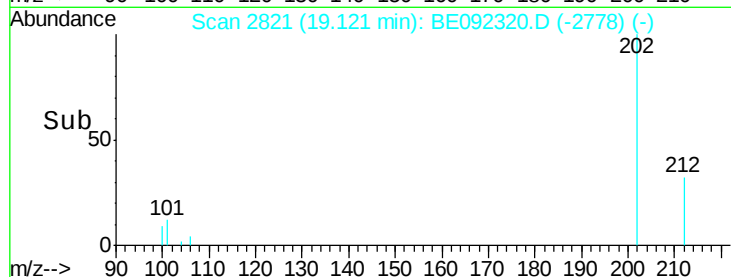
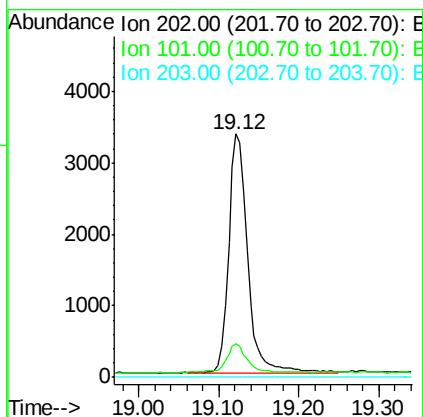
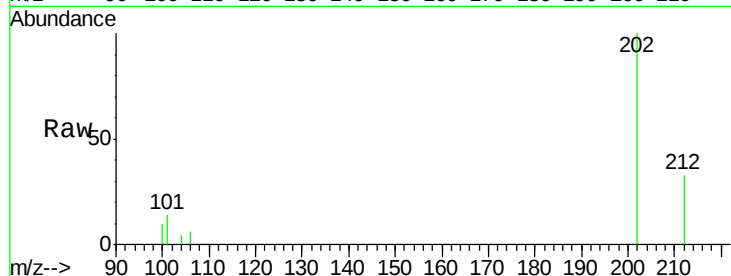




#15
Fluoranthene
 Concen: 0.05 ng/ul
 RT: 19.12 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BE092320.D
 Acq: 31 Aug 2016 16:25

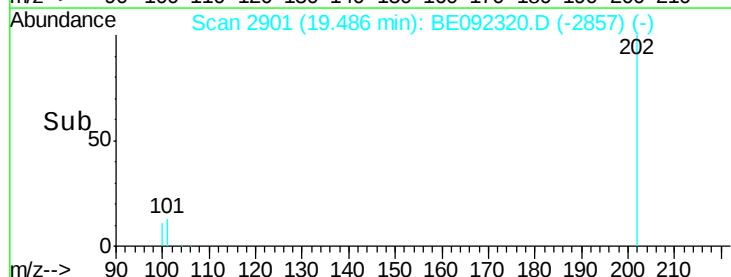
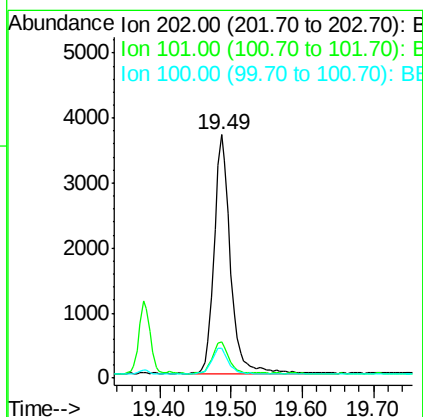
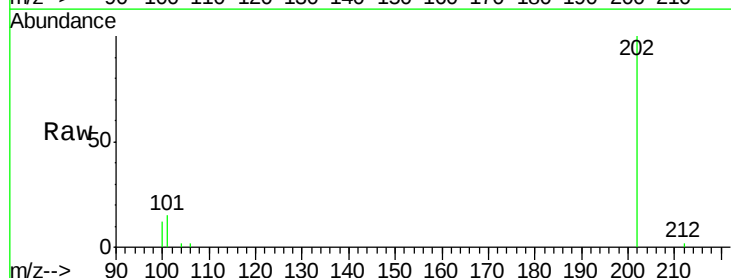
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-S

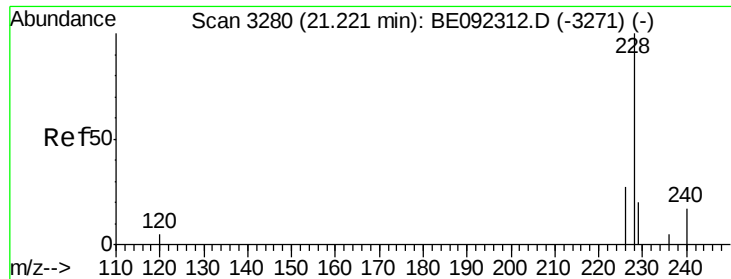
Tgt Ion:202 Resp: 5525
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 30.8
 203 0.0 0.0 20.0



#17
Pyrene
 Concen: 0.07 ng/ul
 RT: 19.49 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BE092320.D
 Acq: 31 Aug 2016 16:25

Tgt Ion:202 Resp: 5888
 Ion Ratio Lower Upper
 202 100
 101 14.8 0.0 0.0#
 100 12.0 0.0 0.0#





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.22 min Scan# 3279

Delta R.T. -0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

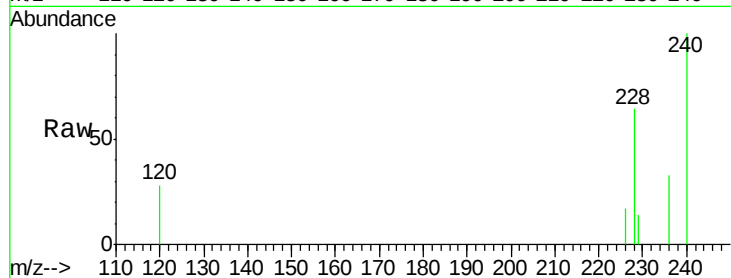
Tgt Ion:228 Resp: 5270

Ion Ratio Lower Upper

228 100

226 26.7 21.6 32.4

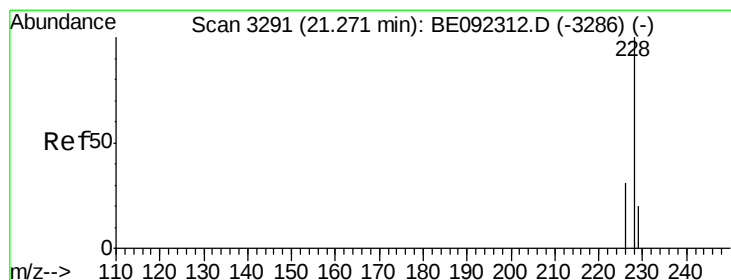
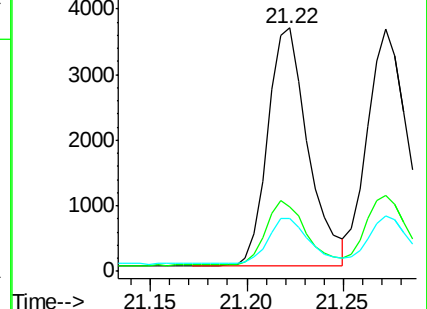
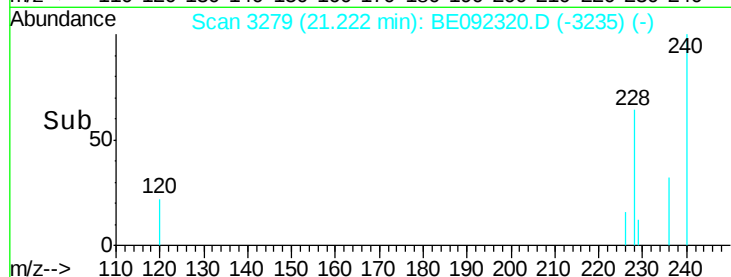
229 21.8 15.9 23.9



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# 3290

Delta R.T. -0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

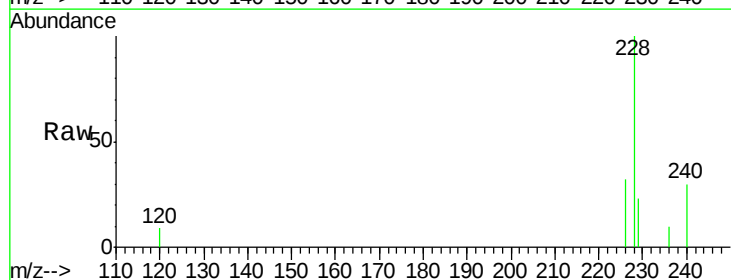
Tgt Ion:228 Resp: 5561

Ion Ratio Lower Upper

228 100

226 31.6 23.8 35.8

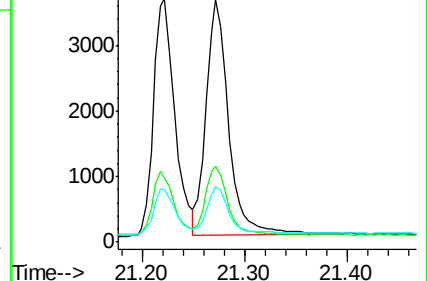
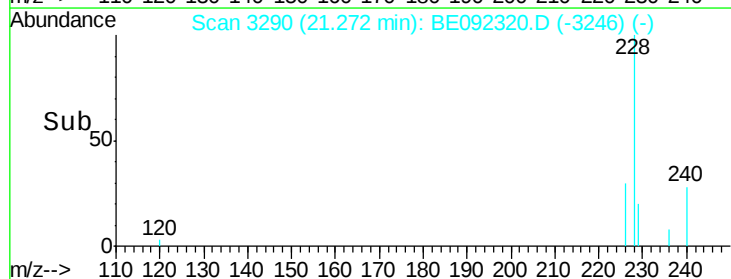
229 22.9 16.0 24.0

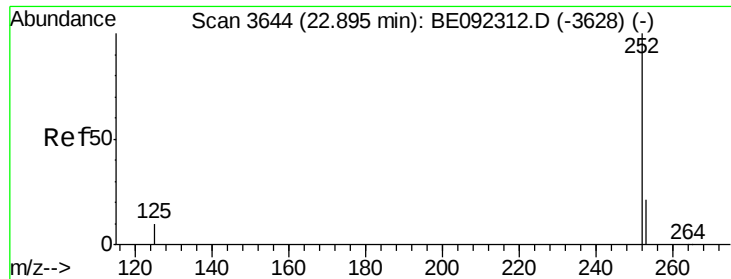


Abundance Ion 228.00 (227.70 to 228.70): E

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# 3644

Delta R.T. 0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

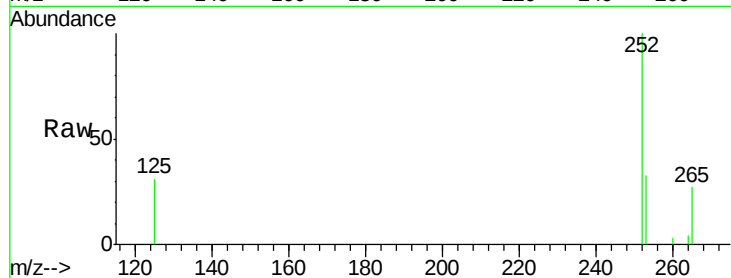
Tgt Ion:252 Resp: 5055

Ion Ratio Lower Upper

252 100

253 33.5 0.0 47.6

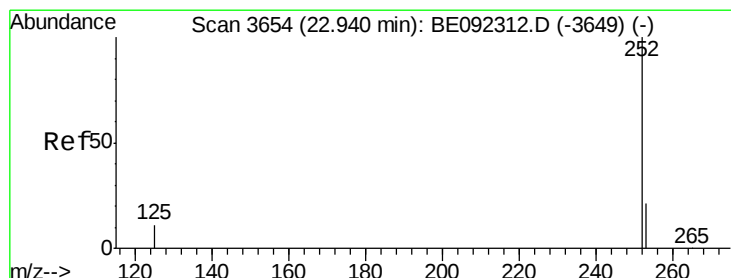
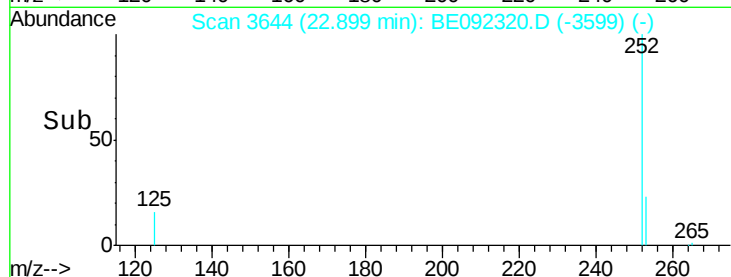
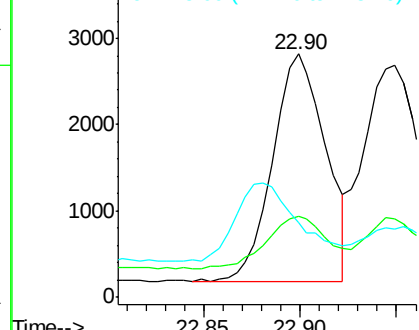
125 30.5 0.0 24.2#



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/u1

RT: 22.95 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

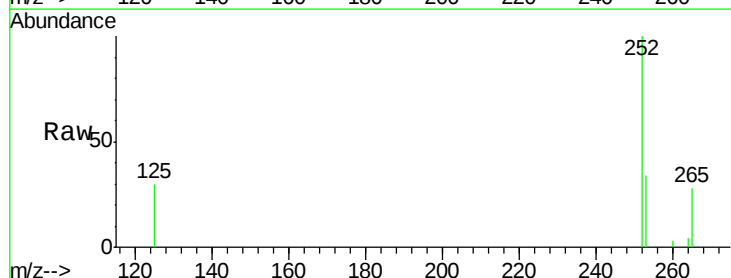
Tgt Ion:252 Resp: 5959

Ion Ratio Lower Upper

252 100

253 33.7 18.7 28.1#

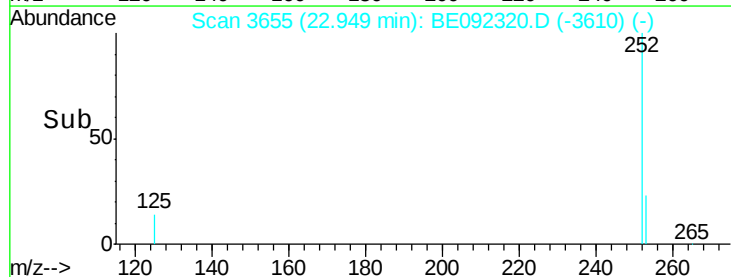
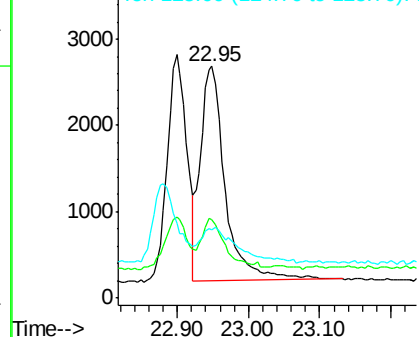
125 29.7 9.7 14.5#

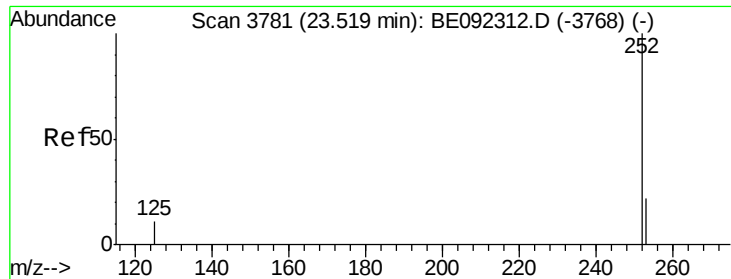


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.52 min Scan# 3781

Delta R.T. 0.00 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

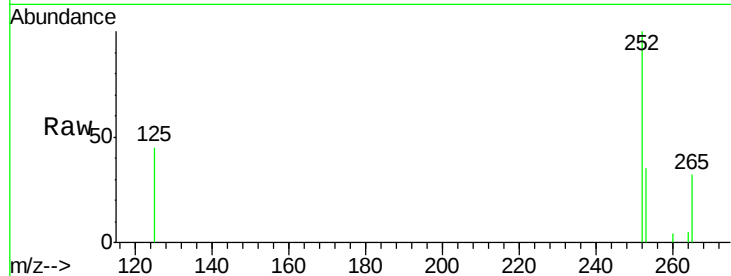
Tgt Ion:252 Resp: 5421

Ion Ratio Lower Upper

252 100

253 35.0 18.8 28.2#

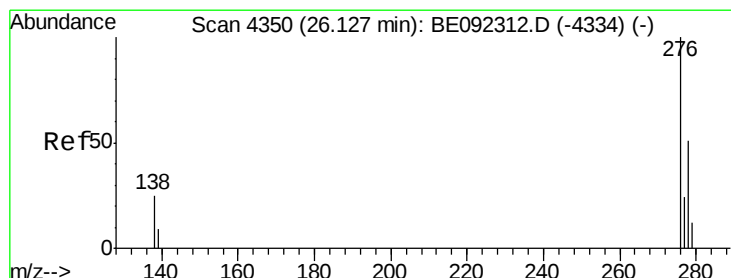
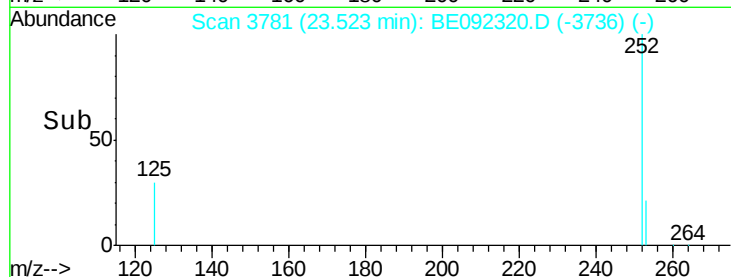
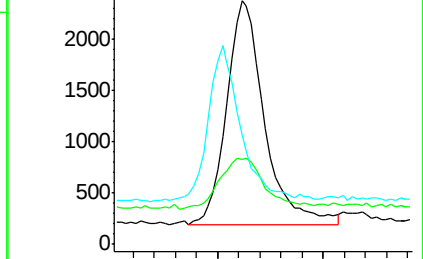
125 44.7 11.9 17.9#



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# 4352

Delta R.T. 0.01 min

Lab File: BE092320.D

Acq: 31 Aug 2016 16:25

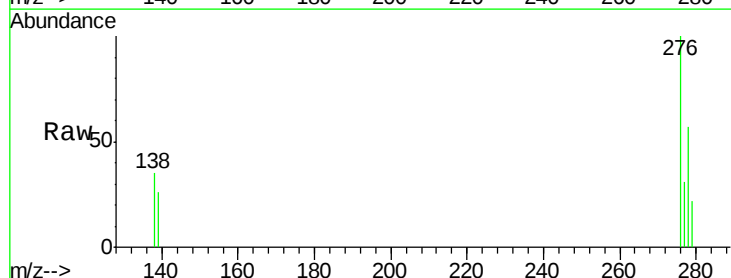
Tgt Ion:276 Resp: 6043

Ion Ratio Lower Upper

276 100

138 24.7 0.0 0.0#

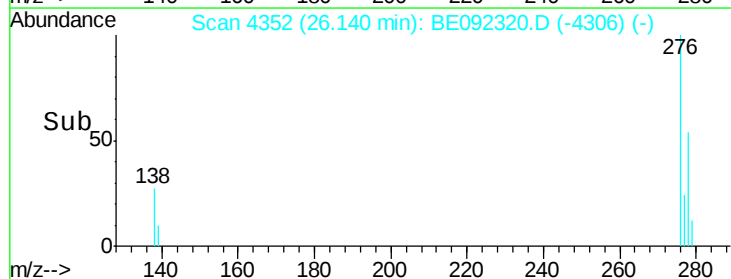
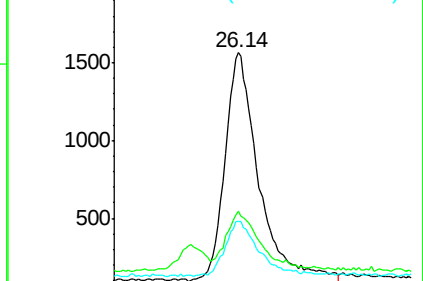
277 23.6 0.0 0.0#

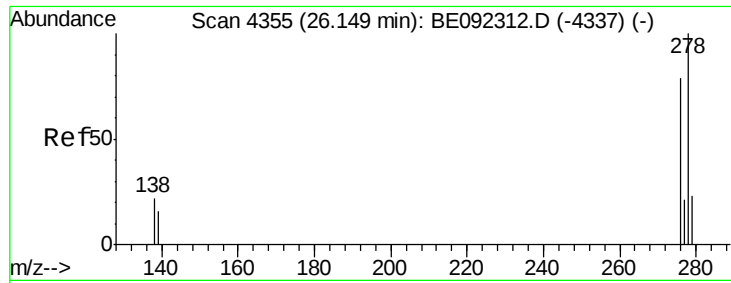


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

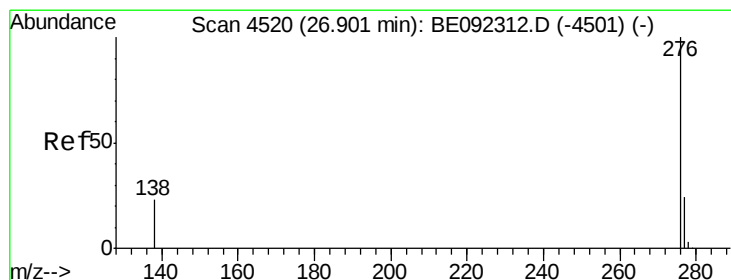
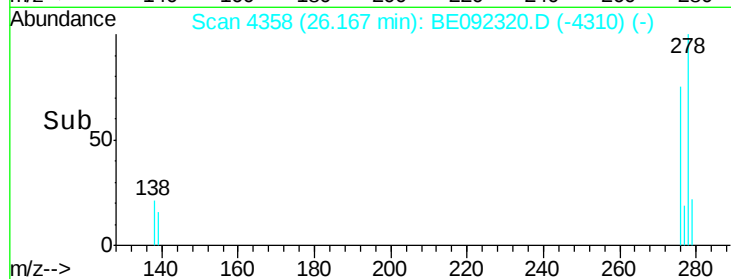
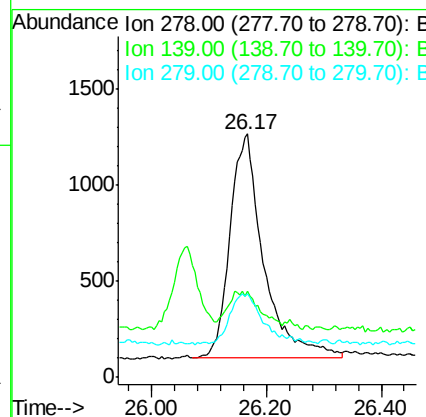
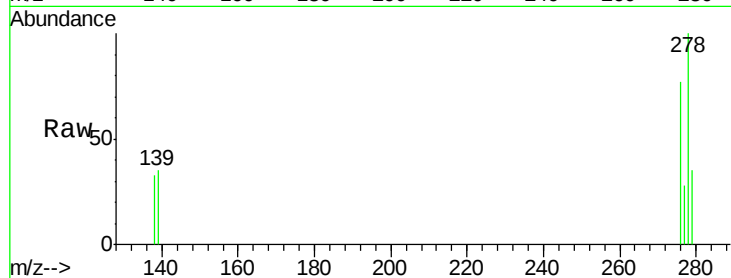




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.17 min Scan# 4358
Delta R.T. 0.02 min
Lab File: BE092320.D
Acq: 31 Aug 2016 16:25

Instrument :
BNA_E
ClientSampleId :
MDL-07-S

Tgt Ion: 278 Resp: 4767
Ion Ratio Lower Upper
278 100
139 35.5 14.6 22.0#
279 34.5 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.91 min Scan# 4520
Delta R.T. 0.01 min
Lab File: BE092320.D
Acq: 31 Aug 2016 16:25

Tgt Ion: 276 Resp: 5163
Ion Ratio Lower Upper
276 100
277 31.5 19.5 29.3#
138 33.8 19.2 28.8#

