

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090277.D
 Acq On : 28 Jul 2015 20:05
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Quant Time: Jul 29 04:48:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 04:46:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	825	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3271	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1977	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4549	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	2763	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1959	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	2037	0.47	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	4789	0.45	ng/ul	0.00

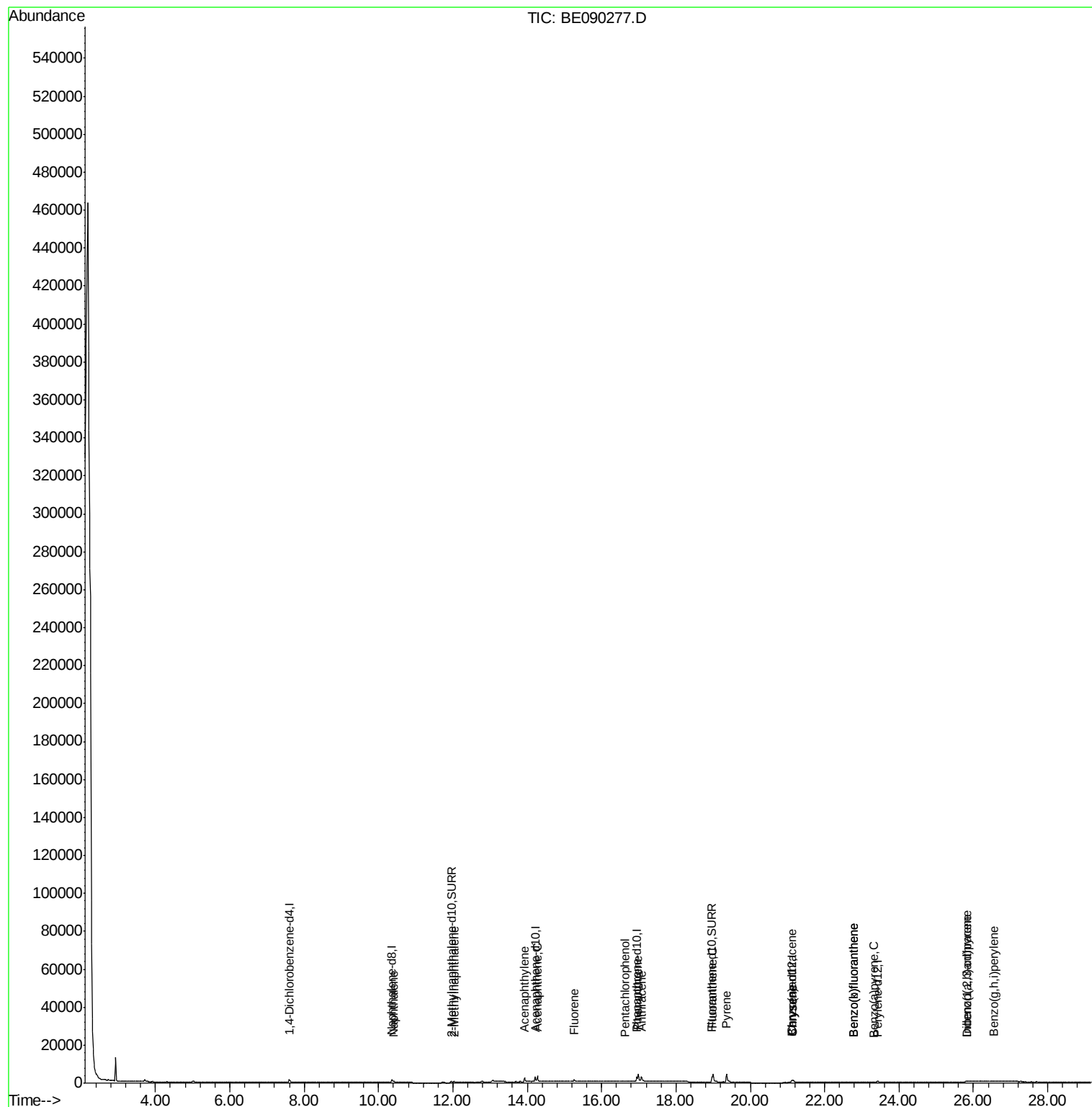
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	1076	0.15	ng/ul#	82
5) 2-Methylnaphthalene	12.03	142	641	0.13	ng/ul	98
7) Acenaphthylene	13.93	152	4814	0.14	ng/ul#	89
8) Acenaphthene	14.27	153	3516	0.14	ng/ul	100
9) Fluorene	15.26	166	942	0.13	ng/ul#	96
11) Pentachlorophenol	16.64	266	16	0.08	ng/ul#	71
12) Phenanthrene	16.98	178	5566	0.13	ng/ul#	90
13) Anthracene	17.07	178	5727	0.14	ng/ul#	87
15) Fluoranthene	19.00	202	6841	0.14	ng/ul	94
17) Pyrene	19.36	202	7369	0.17	ng/ul#	93
18) Benzo(a)anthracene	21.10	228	574	0.16	ng/ul#	83
19) Chrysene	21.15	228	1514	0.15	ng/ul#	88
21) Benzo(b)fluoranthene	22.77	252	805	0.32	ng/ul	77
22) Benzo(k)fluoranthene	22.77	252	805	0.10	ng/ul#	73
23) Benzo(a)pyrene	23.32	252	490	0.14	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.82	276	1347	0.13	ng/ul#	85
25) Dibenzo(a,h)anthracene	25.84	278	194	0.16	ng/ul#	62
26) Benzo(g,h,i)perylene	26.55	276	2309	0.16	ng/ul#	68

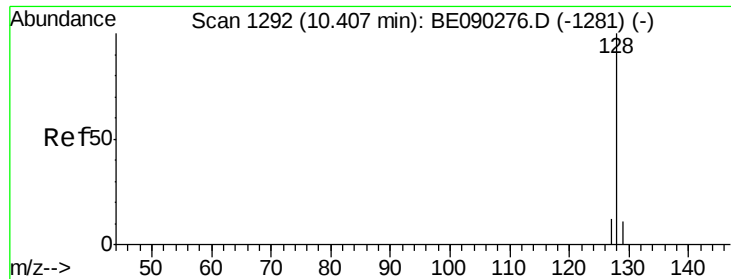
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.15 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

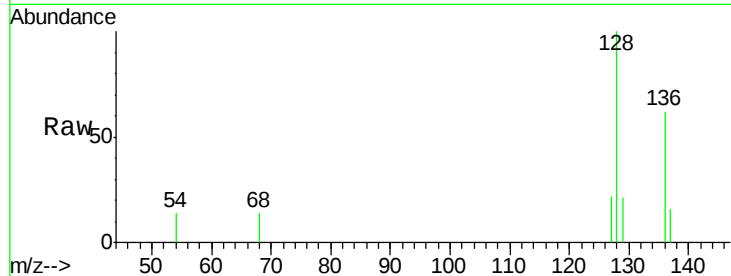
Tgt Ion:128 Resp: 1076

Ion Ratio Lower Upper

128 100

129 20.9 10.4 15.6#

127 22.3 12.1 18.1#



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

10.41

400

300

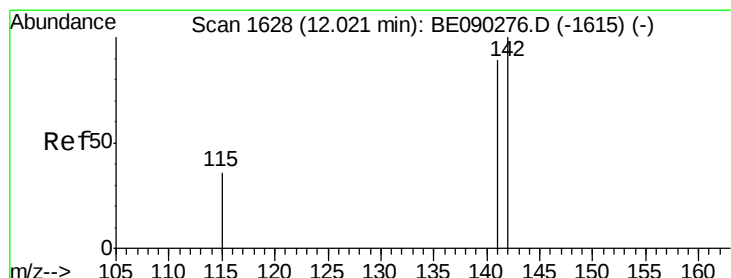
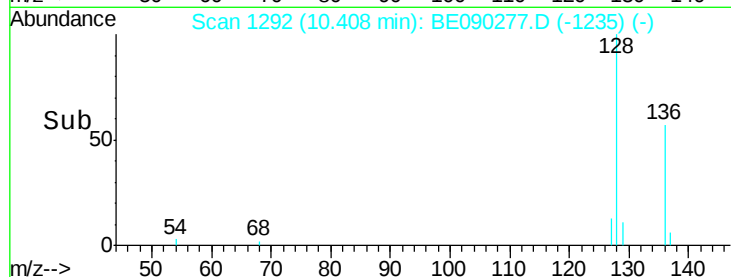
200

100

0

10.40 10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.13 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090277.D

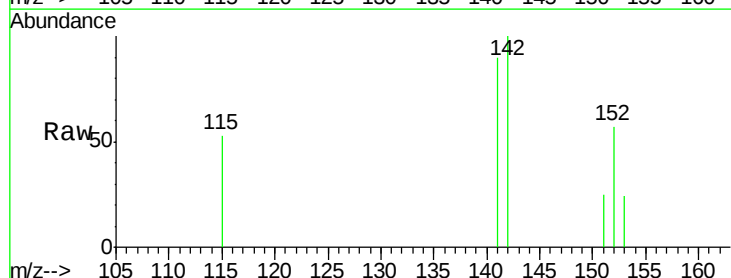
Acq: 28 Jul 2015 20:05

Tgt Ion:142 Resp: 641

Ion Ratio Lower Upper

142 100

141 93.4 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

250

200

150

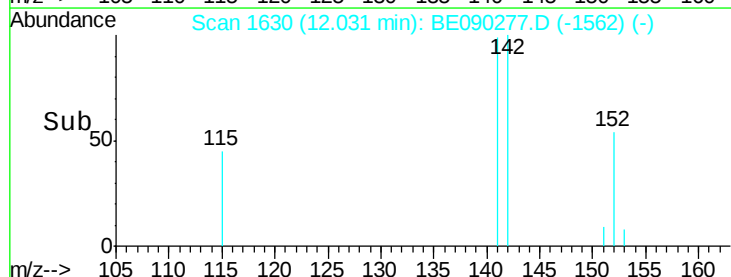
100

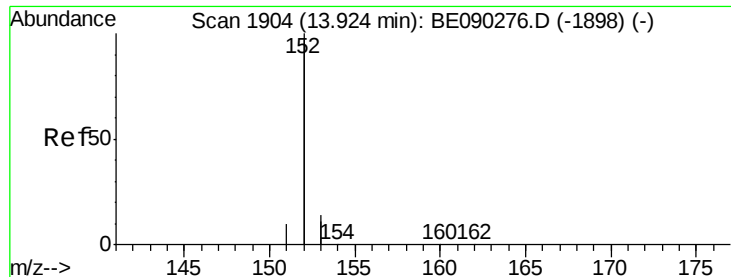
50

0

11.90 12.00 12.10 12.20

Time-->





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

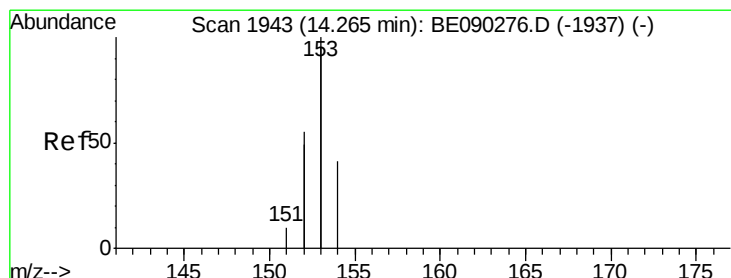
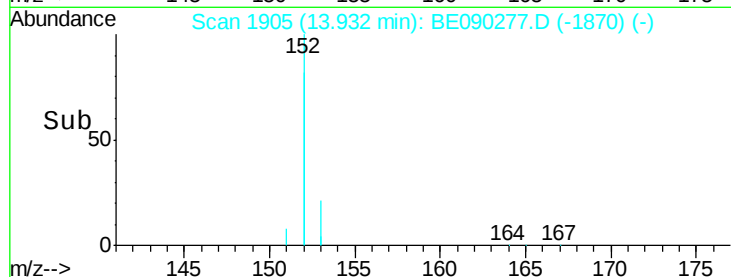
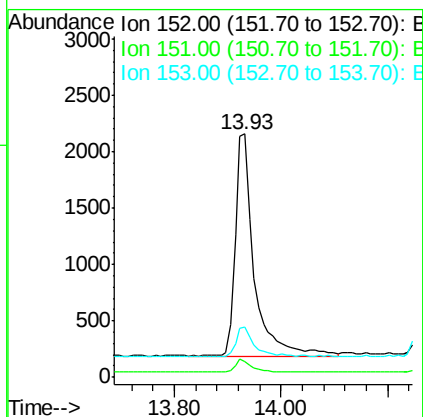
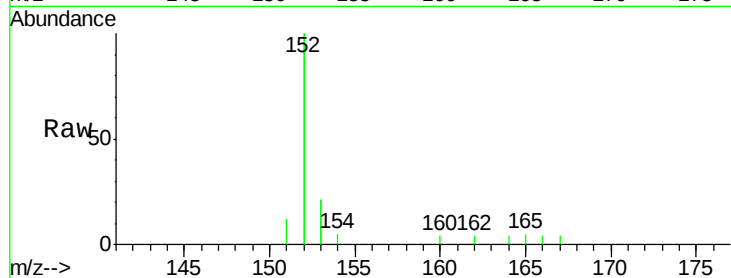
Tgt Ion:152 Resp: 4814

Ion Ratio Lower Upper

152 100

151 6.2 4.3 6.5

153 20.9 11.9 17.9#



#8

Acenaphthene

Concen: 0.14 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

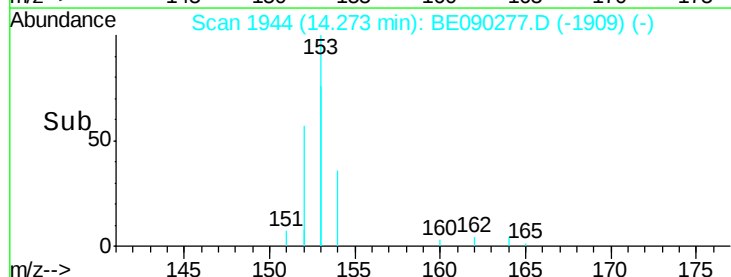
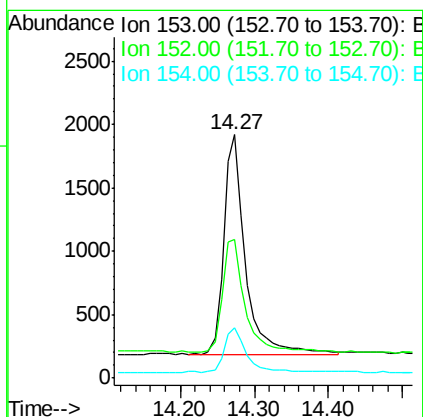
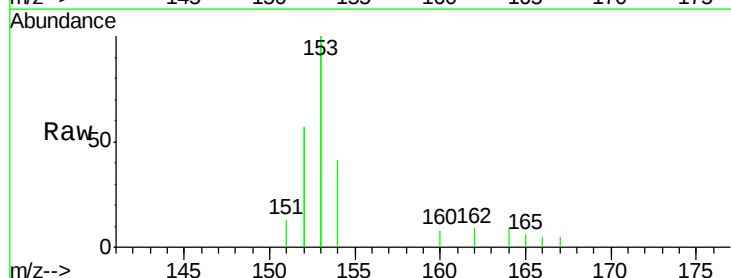
Tgt Ion:153 Resp: 3516

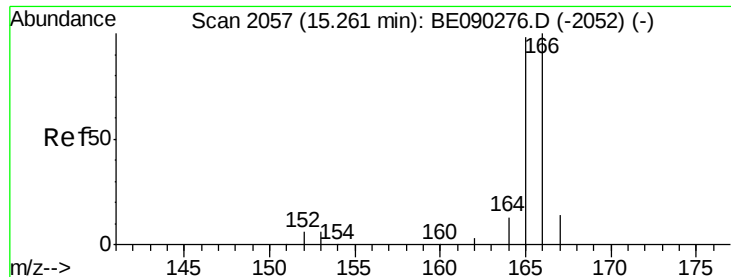
Ion Ratio Lower Upper

153 100

152 57.1 45.7 68.5

154 20.7 16.4 24.6





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

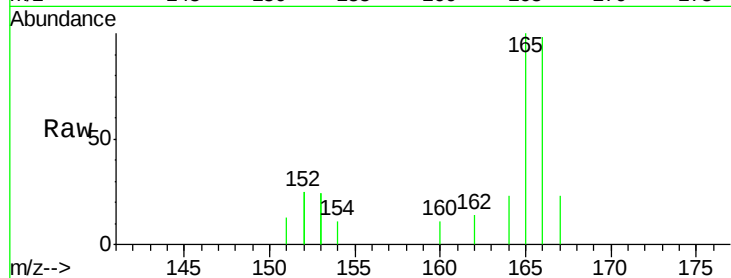
Tgt Ion:166 Resp: 942

Ion Ratio Lower Upper

166 100

165 102.3 80.3 120.5

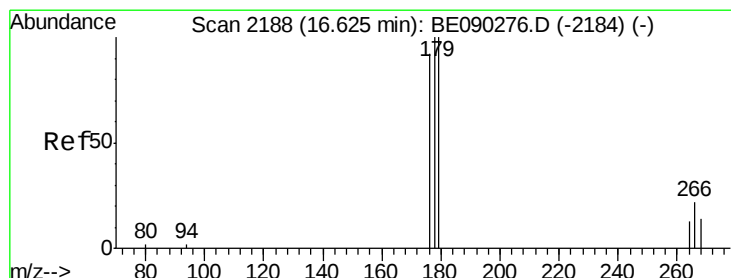
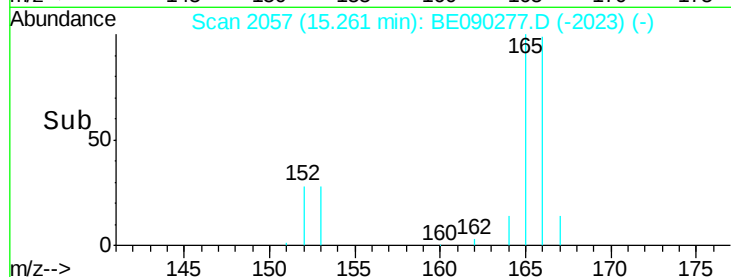
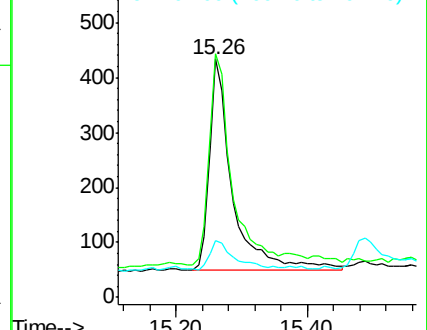
167 23.8 12.4 18.6#



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: 0.08 ng/ul

RT: 16.64 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

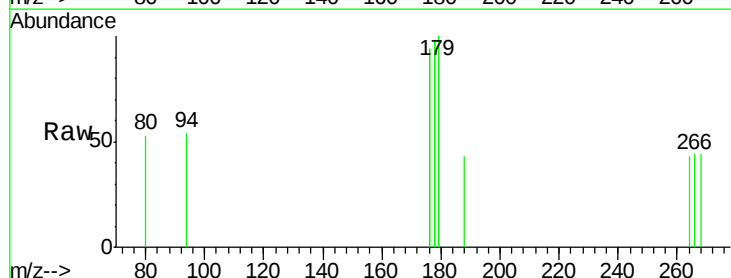
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 37.5 43.4 65.0#

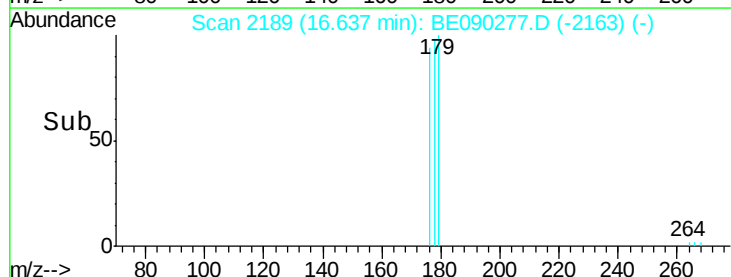
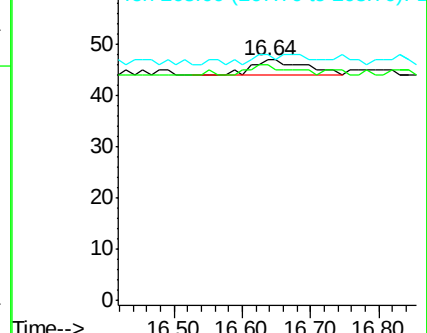
268 31.3 44.6 66.8#

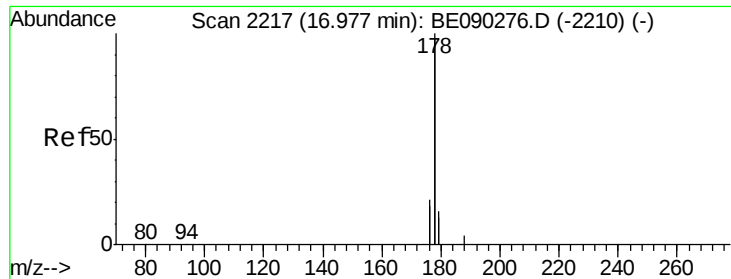


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

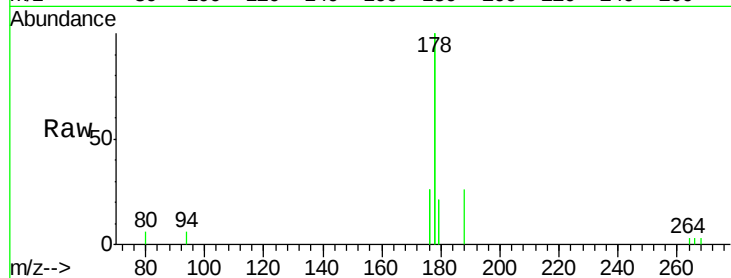
Tgt Ion:178 Resp: 5566

Ion Ratio Lower Upper

178 100

176 25.6 17.3 25.9

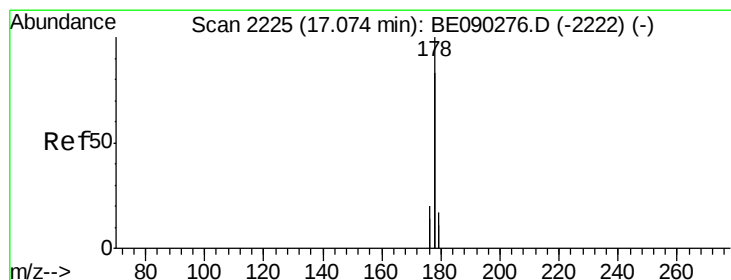
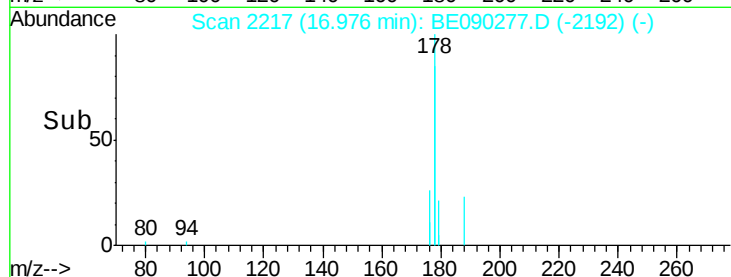
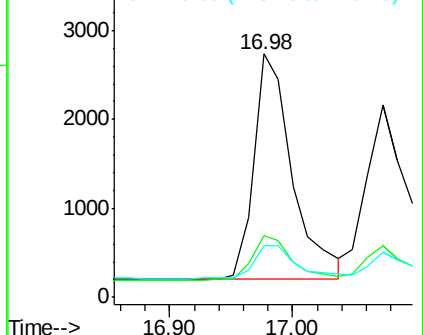
179 21.3 13.1 19.7#



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: 0.14 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

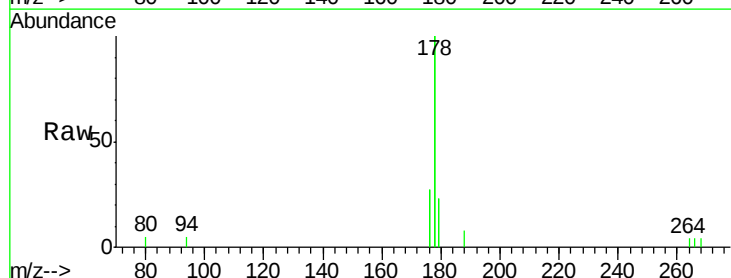
Tgt Ion:178 Resp: 5727

Ion Ratio Lower Upper

178 100

176 26.8 16.4 24.6#

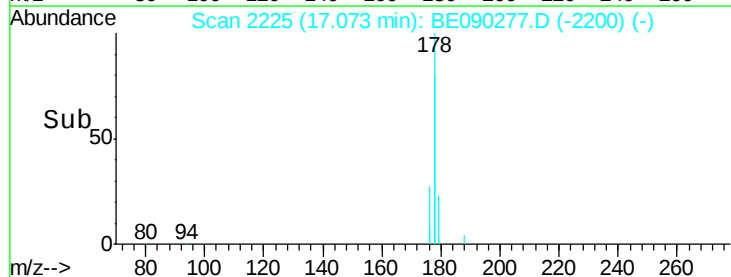
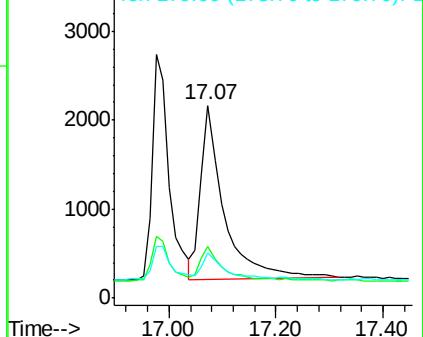
179 23.3 13.9 20.9#

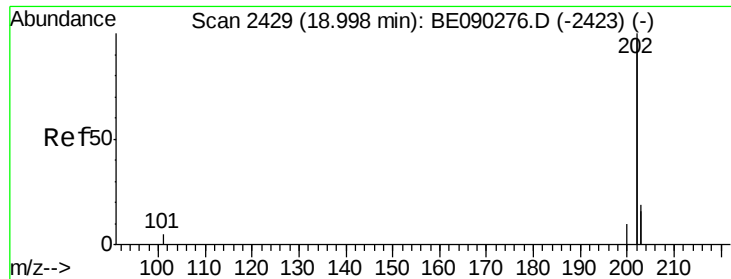


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.14 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

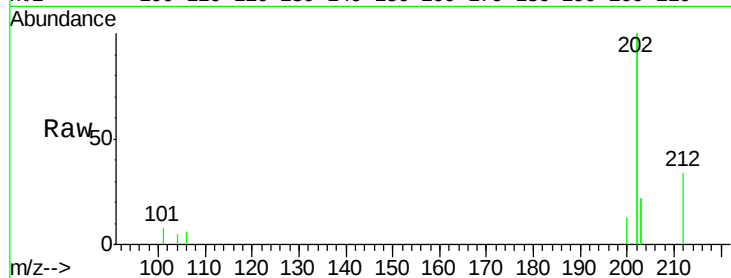
Tgt Ion:202 Resp: 6841

Ion Ratio Lower Upper

202 100

101 4.0 0.0 22.9

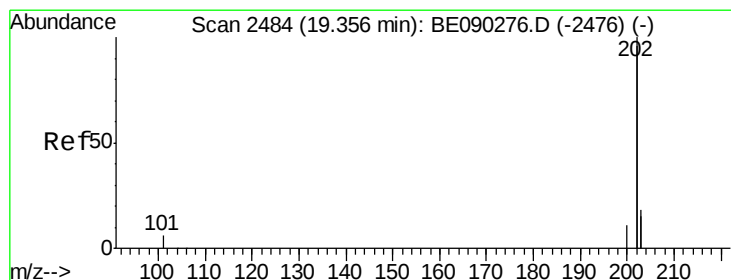
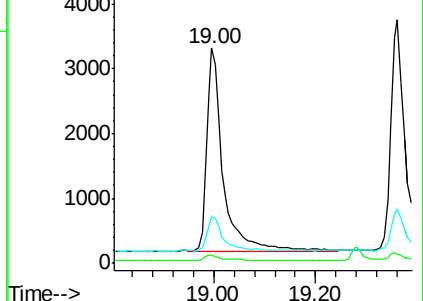
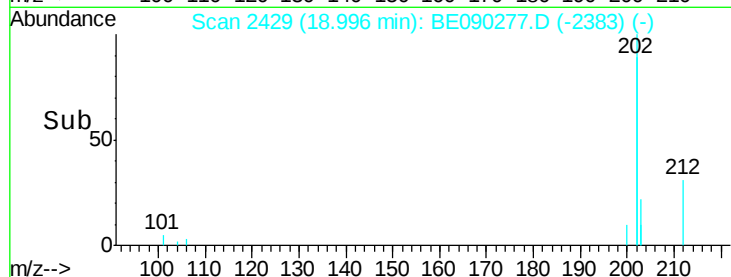
203 21.9 0.0 39.0



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: 0.17 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

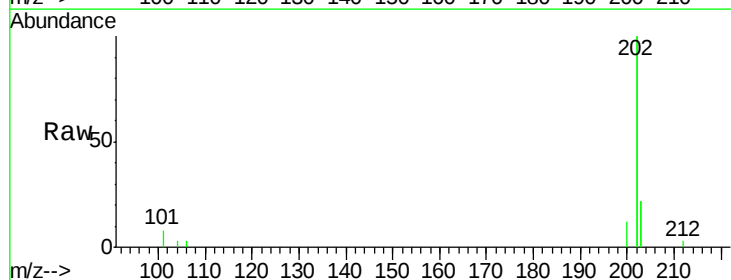
Tgt Ion:202 Resp: 7369

Ion Ratio Lower Upper

202 100

200 6.1 4.5 6.7

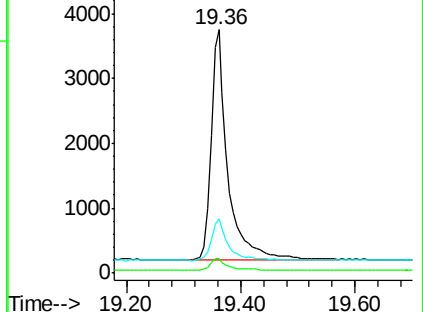
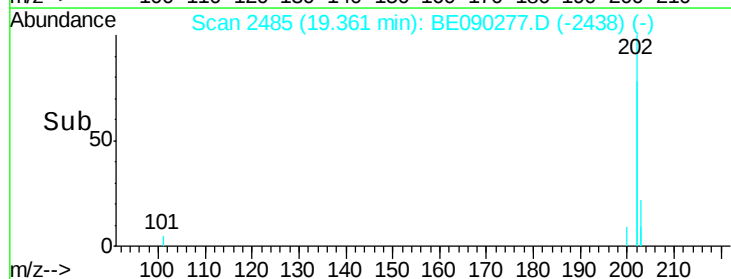
203 22.0 14.4 21.6#

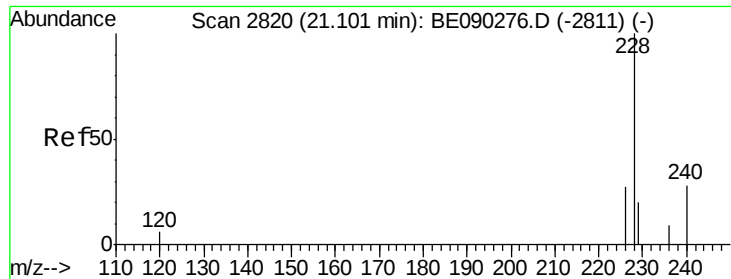


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

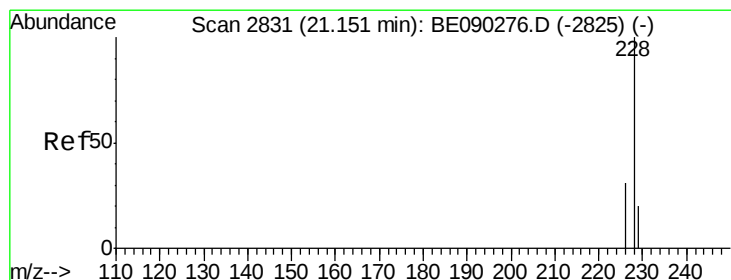
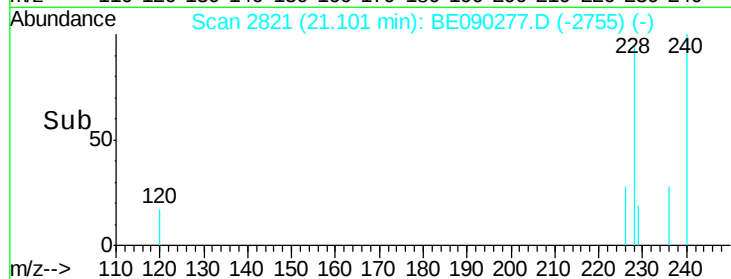
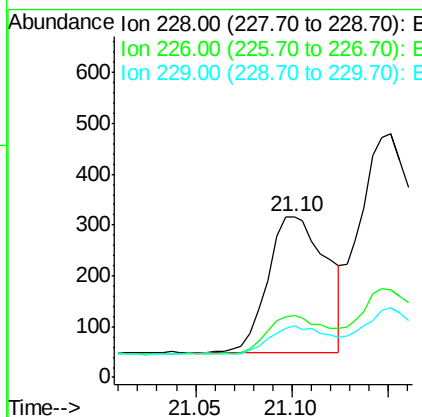
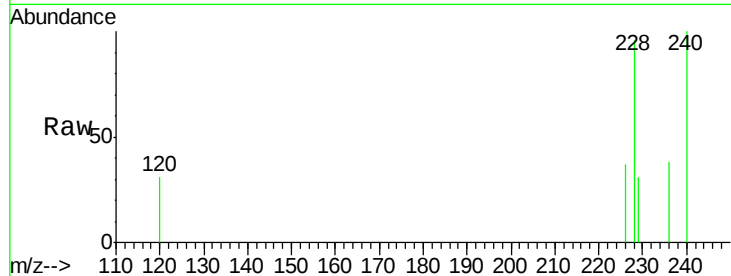




#18
Benzo(a)anthracene
Concen: 0.16 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090277.D
Acq: 28 Jul 2015 20:05

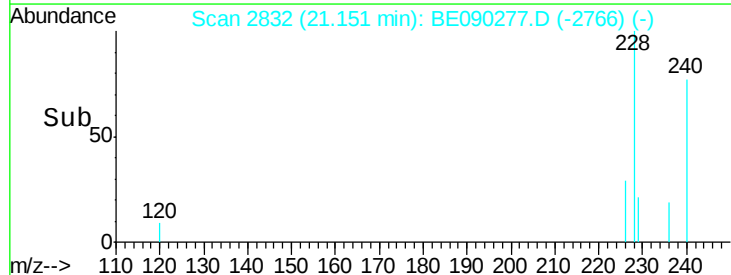
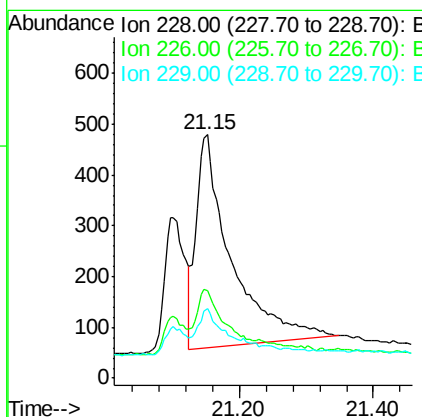
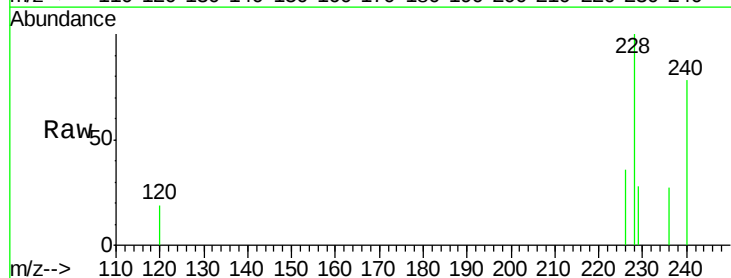
Instrument :
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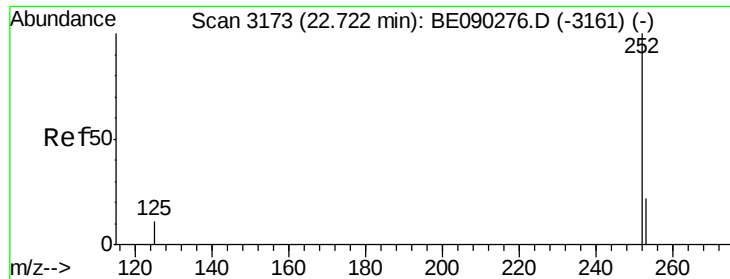
Tgt Ion:228 Resp: 574
Ion Ratio Lower Upper
228 100
226 38.8 24.6 36.8#
229 31.9 17.9 26.9#



#19
Chrysene
Concen: 0.15 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090277.D
Acq: 28 Jul 2015 20:05

Tgt Ion:228 Resp: 1514
Ion Ratio Lower Upper
228 100
226 35.9 25.0 37.4
229 28.4 16.6 24.8#





#21

Benzo(b)fluoranthene

Concen: 0.32 ng/ul

RT: 22.77 min Scan# 3184

Delta R.T. 0.05 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

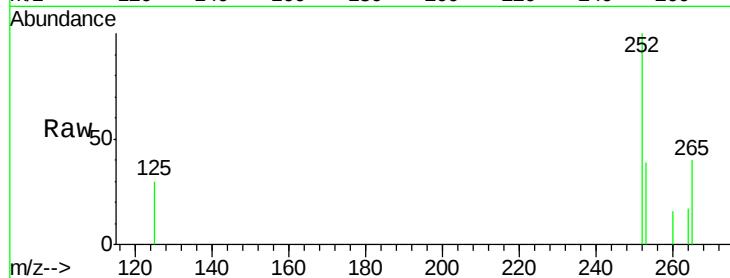
Tgt Ion:252 Resp: 805

Ion Ratio Lower Upper

252 100

253 38.8 0.0 57.2

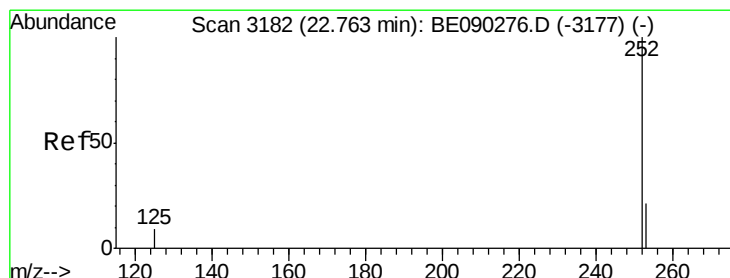
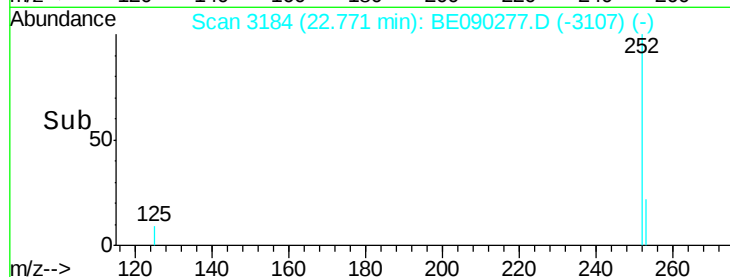
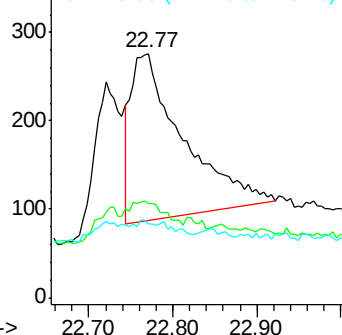
125 30.4 0.0 34.6



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: 0.10 ng/ul

RT: 22.77 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

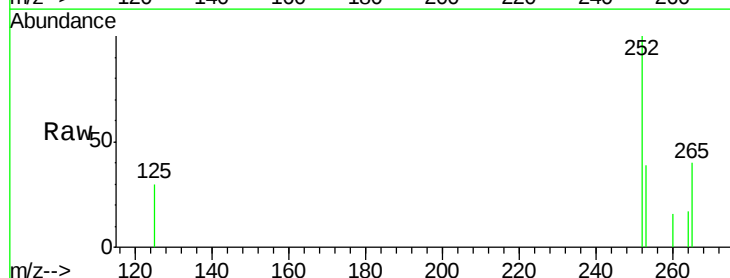
Tgt Ion:252 Resp: 805

Ion Ratio Lower Upper

252 100

253 38.8 21.3 31.9#

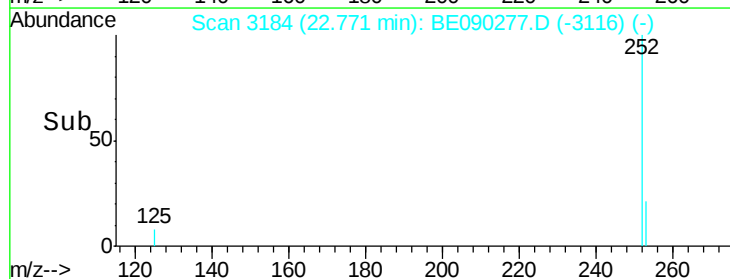
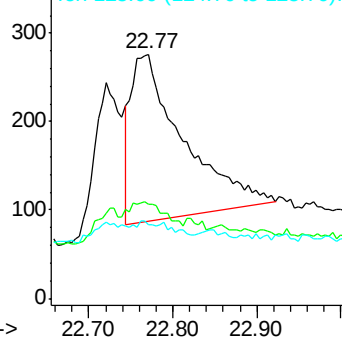
125 30.4 13.3 19.9#

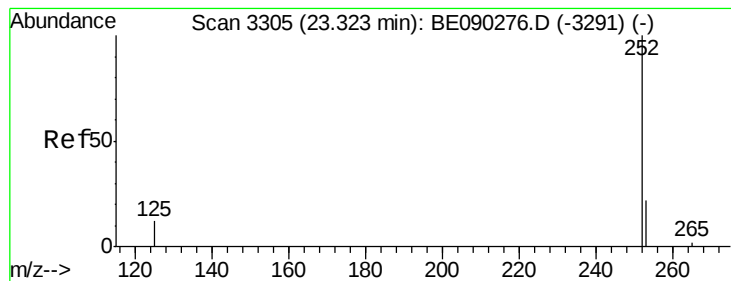


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.14 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

Instrument :

BNA_E

ClientSampleId :

MDL-04-S

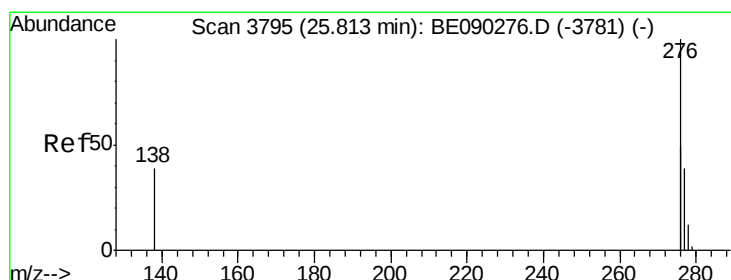
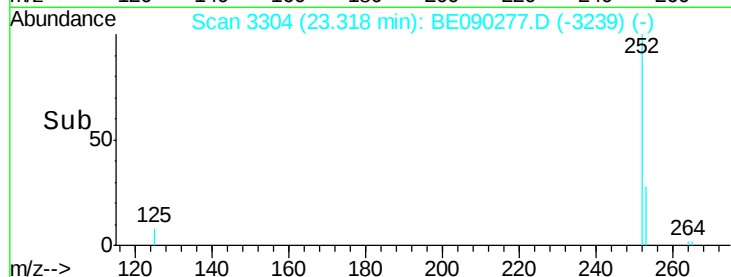
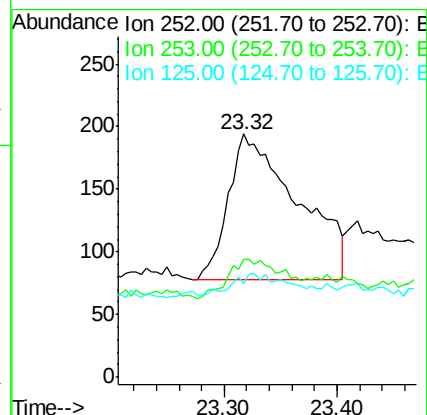
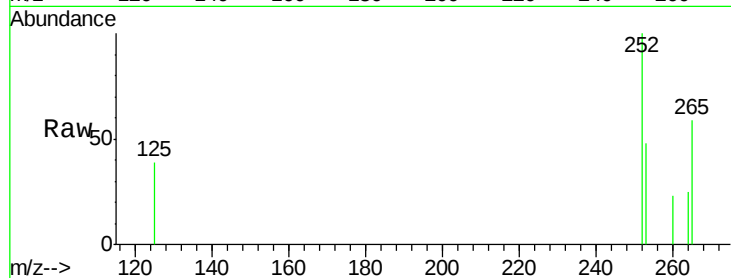
Tgt Ion: 252 Resp: 490

Ion Ratio Lower Upper

252 100

253 48.5 24.9 37.3#

125 38.7 17.5 26.3#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.13 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090277.D

Acq: 28 Jul 2015 20:05

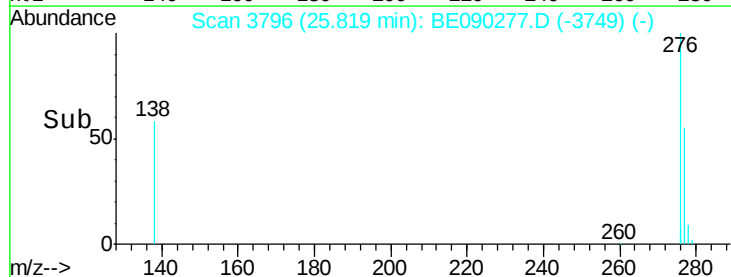
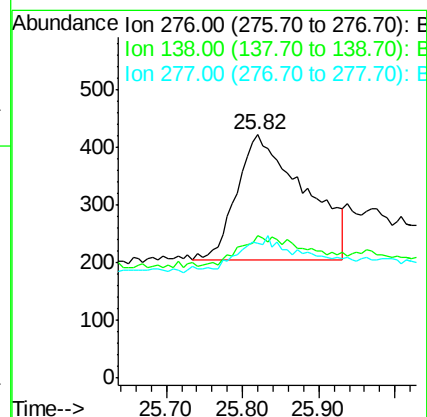
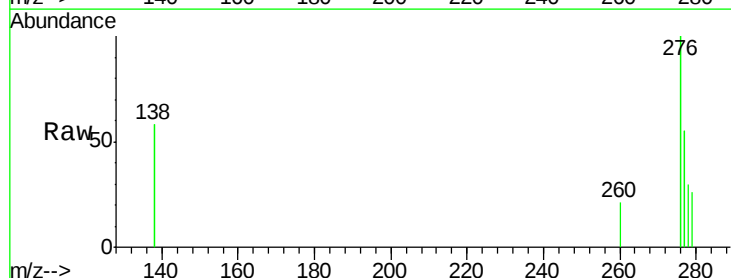
Tgt Ion: 276 Resp: 1347

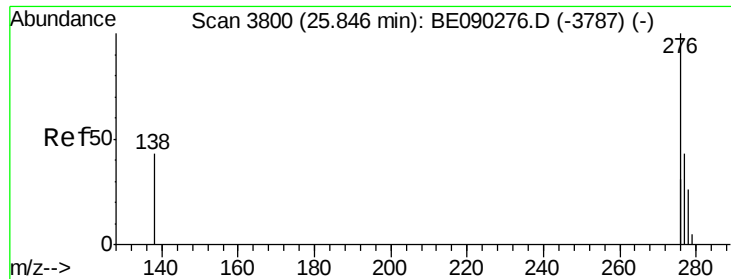
Ion Ratio Lower Upper

276 100

138 9.4 13.5 20.3#

277 14.6 16.4 24.6#

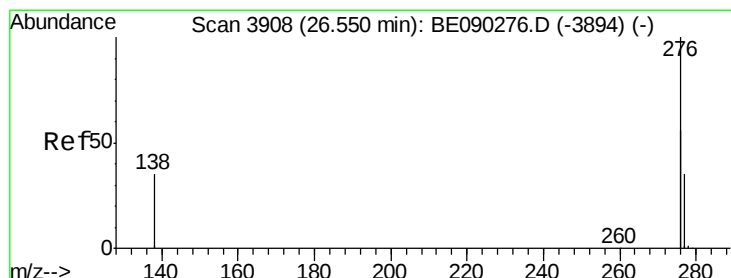
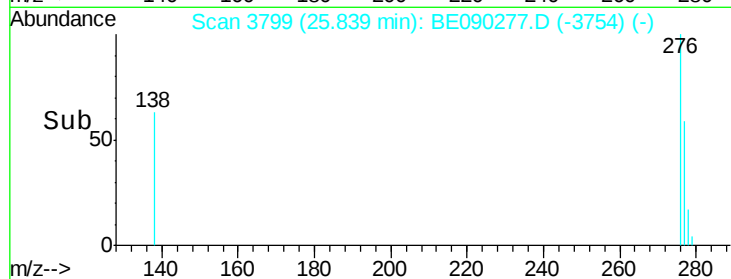
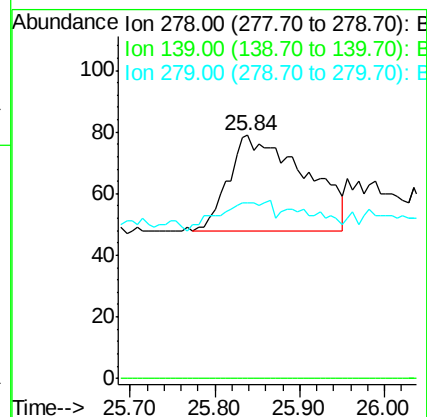
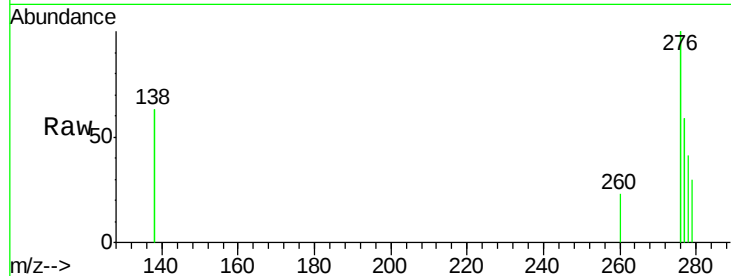




#25
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. -0.01 min
Lab File: BE090277.D
Acq: 28 Jul 2015 20:05

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Tgt Ion: 278 Resp: 194
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 72.2 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.16 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090277.D
Acq: 28 Jul 2015 20:05

Tgt Ion: 276 Resp: 2309
Ion Ratio Lower Upper
276 100
277 49.5 25.5 38.3#
138 47.6 23.9 35.9#

