

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090278.D
 Acq On : 28 Jul 2015 20:41
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

Quant Time: Jul 29 04:48:27 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 04:46:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	836	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3374	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1976	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	4369	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2772	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1701	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2233	0.50	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	4889	0.47	ng/ul	0.00

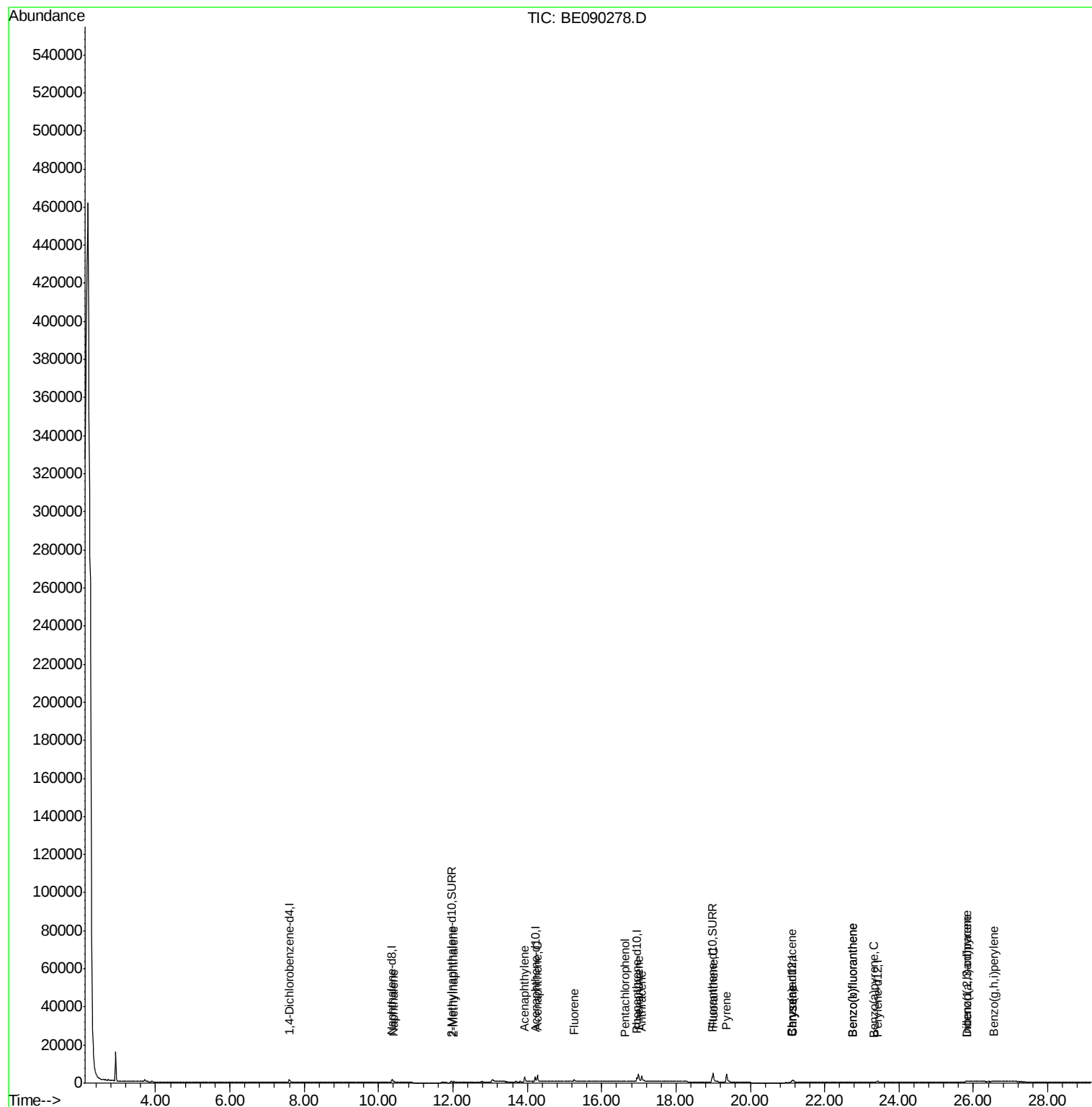
Target Compounds						Qvalue
3) Naphthalene	10.41	128	1254	0.16	ng/ul#	85
5) 2-Methylnaphthalene	12.03	142	732	0.15	ng/ul	91
7) Acenaphthylene	13.92	152	5523	0.16	ng/ul#	92
8) Acenaphthene	14.27	153	4116	0.16	ng/ul	97
9) Fluorene	15.26	166	1074	0.15	ng/ul#	97
11) Pentachlorophenol	16.62	266	1	0.00	ng/ul#	24
12) Phenanthrene	16.99	178	6042	0.15	ng/ul#	92
13) Anthracene	17.07	178	6416	0.16	ng/ul#	88
15) Fluoranthene	19.00	202	7692	0.16	ng/ul	93
17) Pyrene	19.36	202	7744	0.18	ng/ul#	93
18) Benzo(a)anthracene	21.10	228	568	0.16	ng/ul#	84
19) Chrysene	21.15	228	1451	0.14	ng/ul#	90
21) Benzo(b)fluoranthene	22.76	252	808	0.37	ng/ul	74
22) Benzo(k)fluoranthene	22.76	252	808	0.12	ng/ul#	71
23) Benzo(a)pyrene	23.32	252	464	0.16	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	25.82	276	1165	0.13	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.85	278	86	0.08	ng/ul#	60
26) Benzo(g,h,i)perylene	26.55	276	1964	0.15	ng/ul#	67

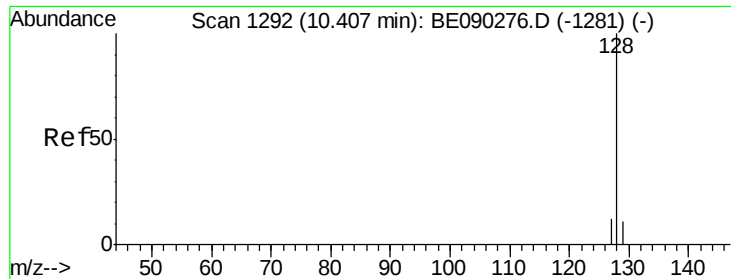
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

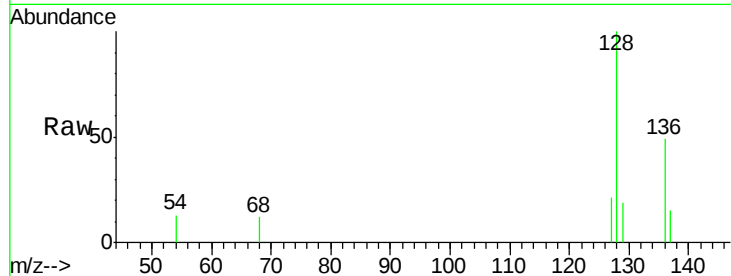
Tgt Ion:128 Resp: 1254

Ion Ratio Lower Upper

128 100

129 19.3 10.4 15.6#

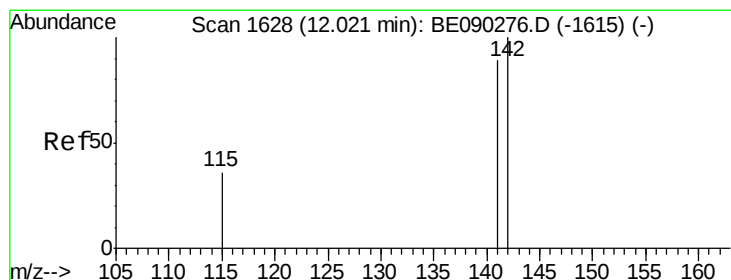
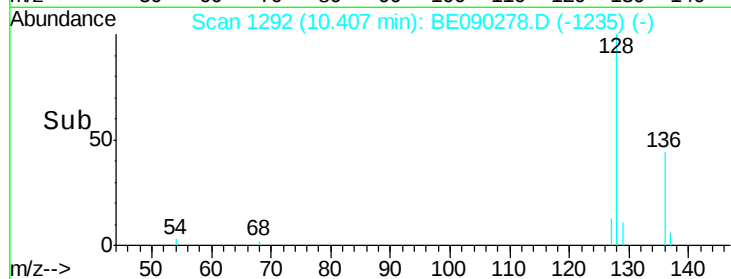
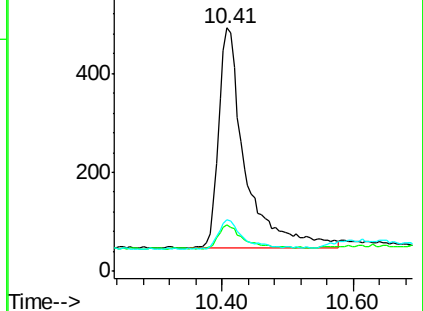
127 21.1 12.1 18.1#



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



#5

2-Methylnaphthalene

Concen: 0.15 ng/ul

RT: 12.03 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE090278.D

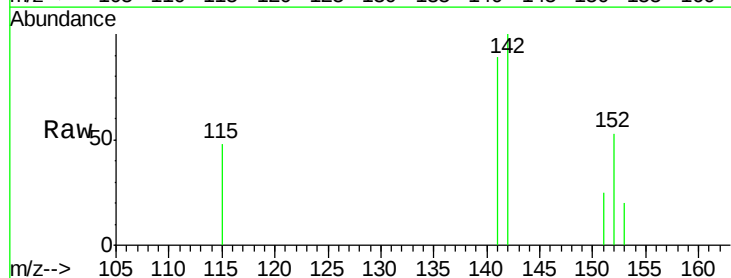
Acq: 28 Jul 2015 20:41

Tgt Ion:142 Resp: 732

Ion Ratio Lower Upper

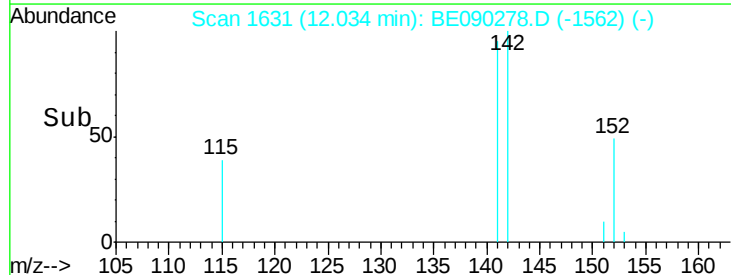
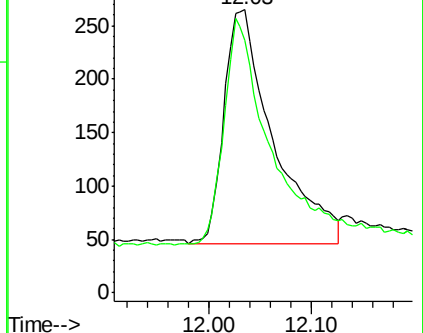
142 100

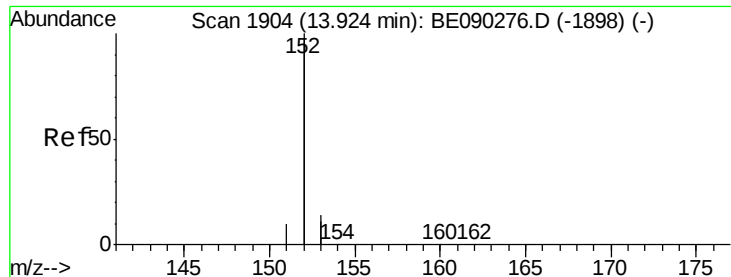
141 99.9 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.16 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

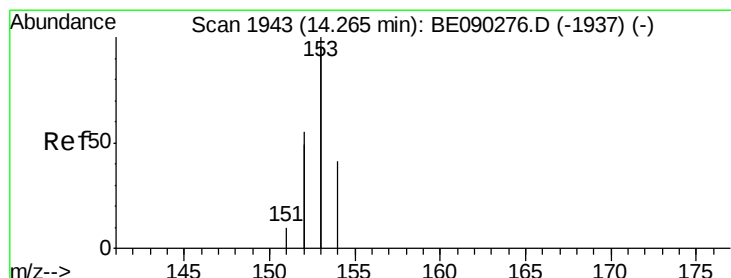
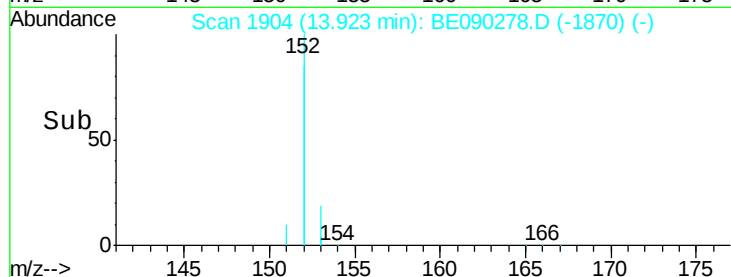
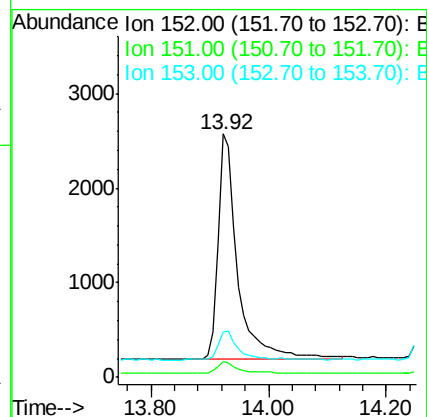
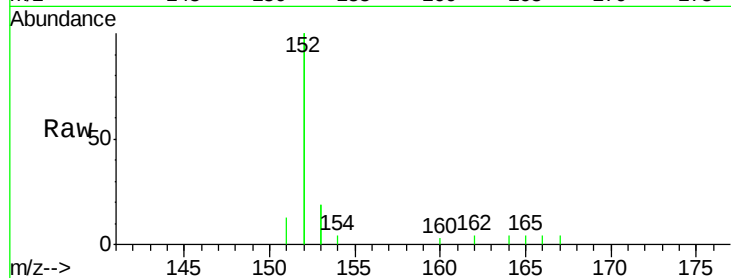
Tgt Ion:152 Resp: 5523

Ion Ratio Lower Upper

152 100

151 6.6 4.3 6.5#

153 18.6 11.9 17.9#



#8

Acenaphthene

Concen: 0.16 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

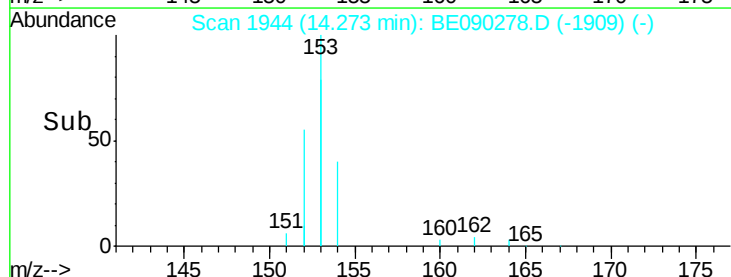
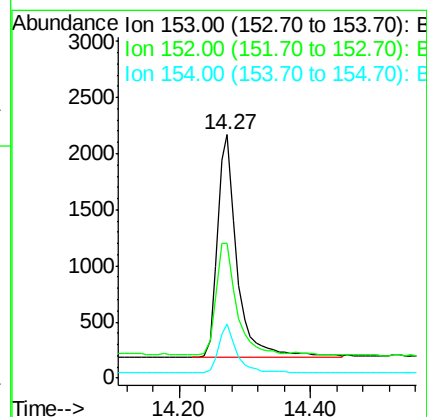
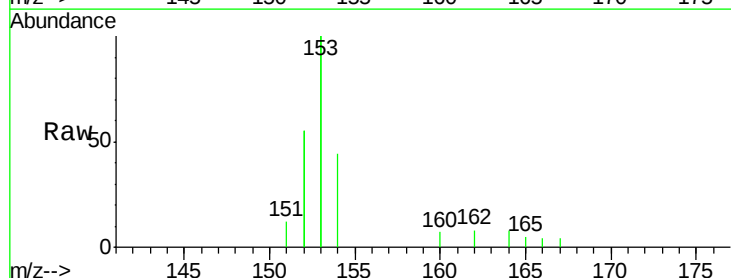
Tgt Ion:153 Resp: 4116

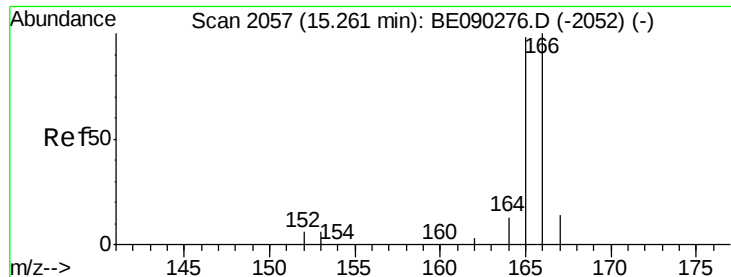
Ion Ratio Lower Upper

153 100

152 55.4 45.7 68.5

154 22.1 16.4 24.6





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

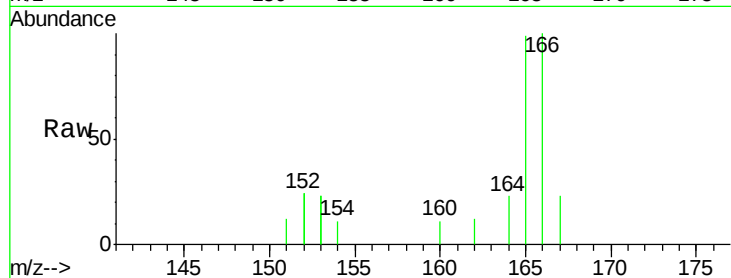
Tgt Ion:166 Resp: 1074

Ion Ratio Lower Upper

166 100

165 99.2 80.3 120.5

167 22.8 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

15.26

400

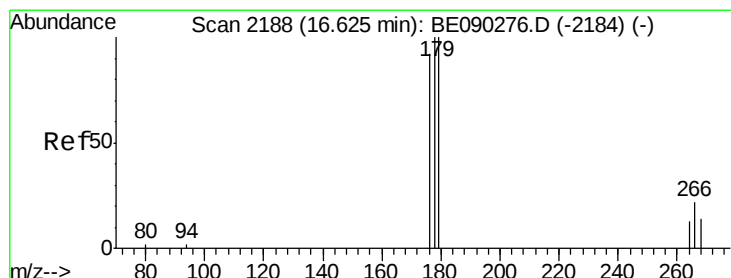
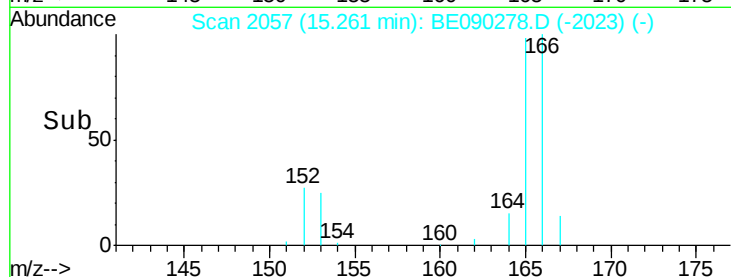
300

200

100

0

Time-->



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

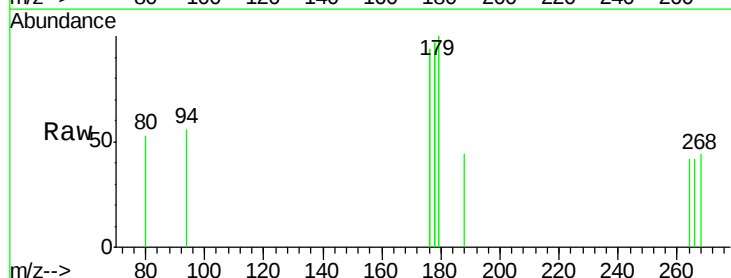
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 43.4 65.0#

268 0.0 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

16.62

50

40

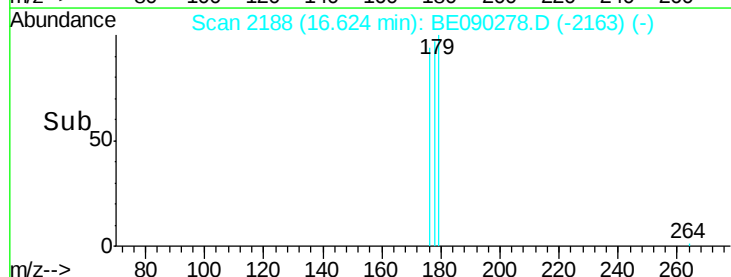
30

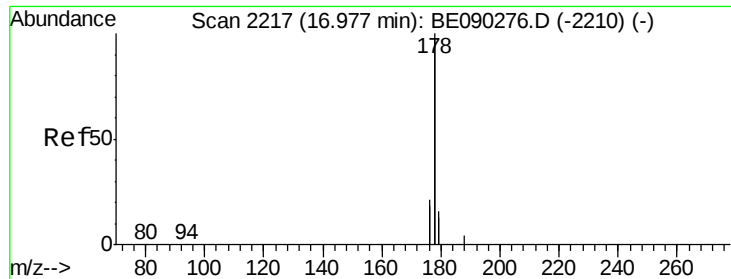
20

10

0

Time-->





#12

Phenanthrene

Concen: 0.15 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

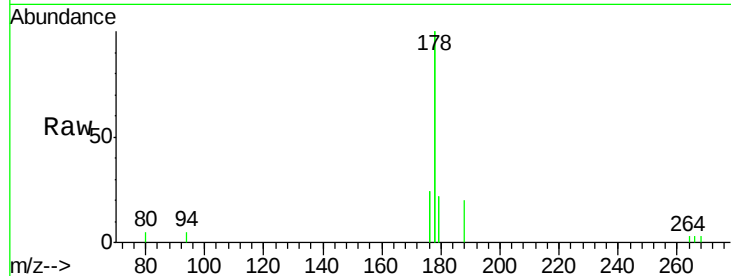
Tgt Ion:178 Resp: 6042

Ion Ratio Lower Upper

178 100

176 23.6 17.3 25.9

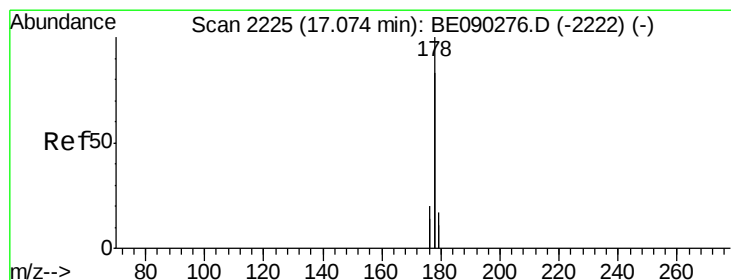
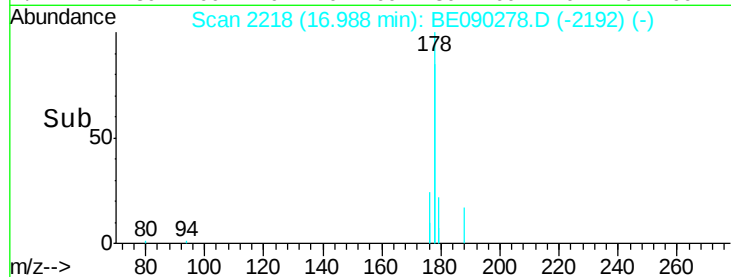
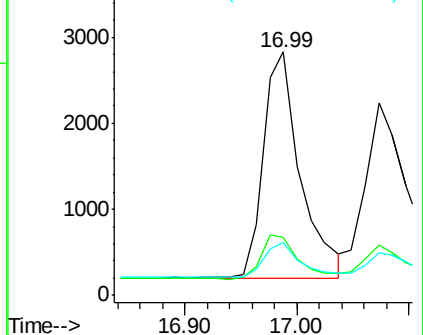
179 21.6 13.1 19.7#



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: 0.16 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

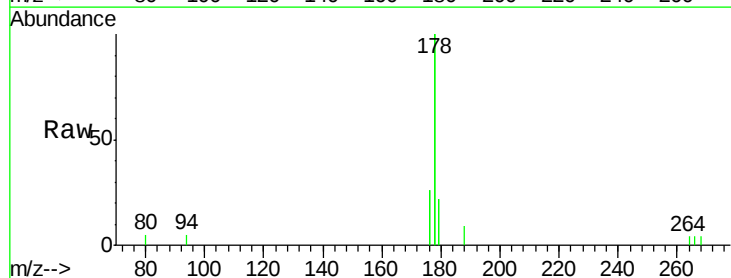
Tgt Ion:178 Resp: 6416

Ion Ratio Lower Upper

178 100

176 26.4 16.4 24.6#

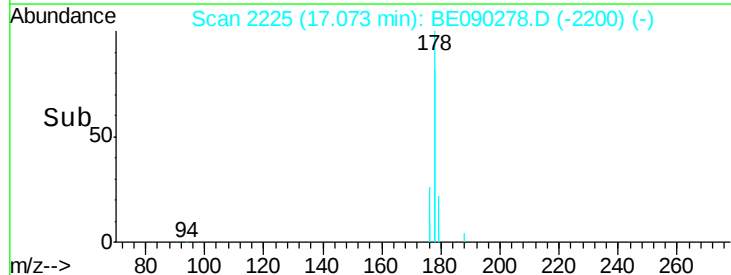
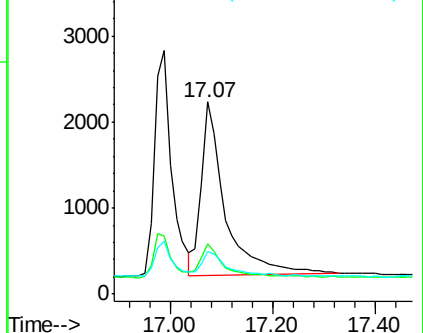
179 22.5 13.9 20.9#

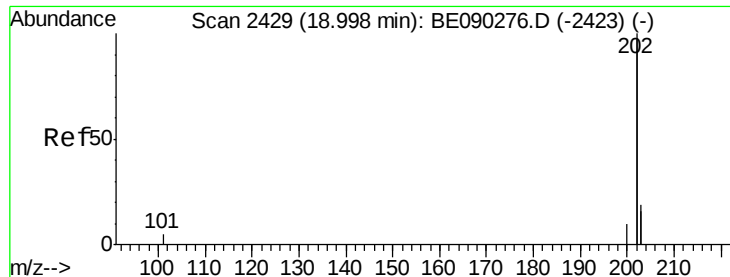


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

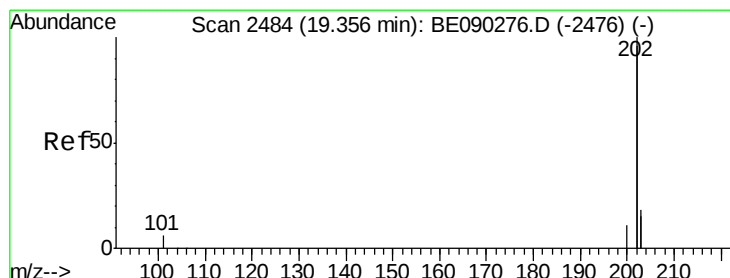
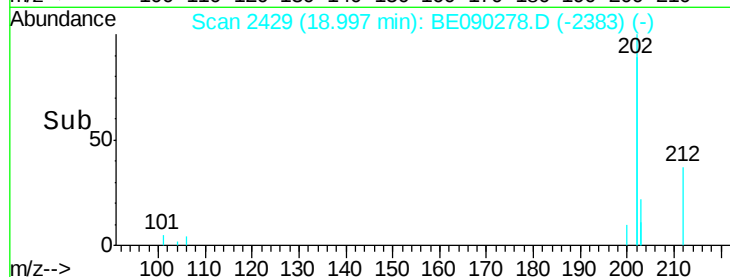
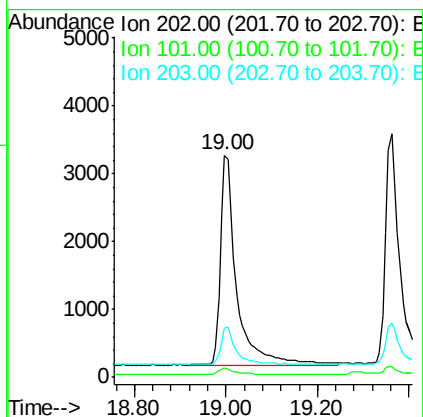
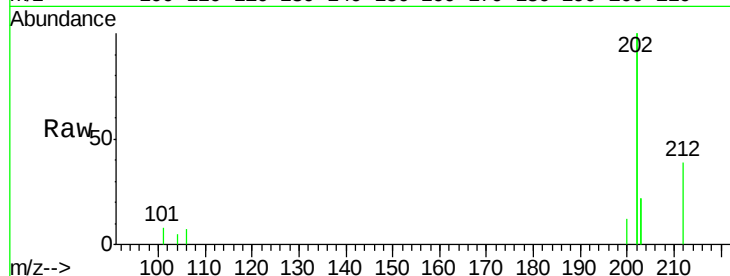




#15
Fluoranthene
 Concen: 0.16 ng/ul
 RT: 19.00 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE090278.D
 Acq: 28 Jul 2015 20:41

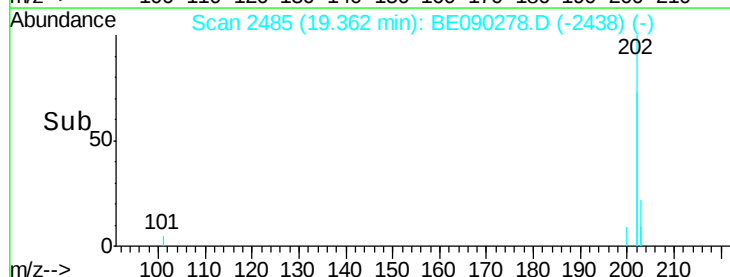
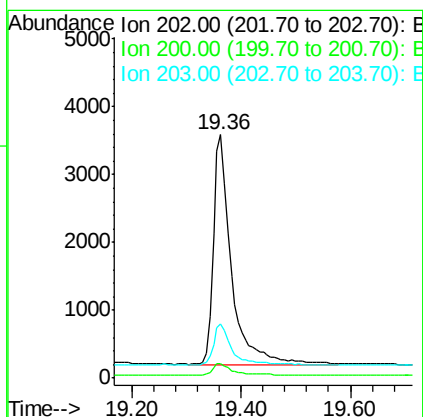
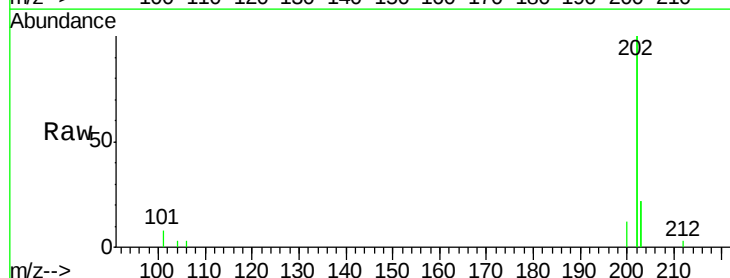
Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

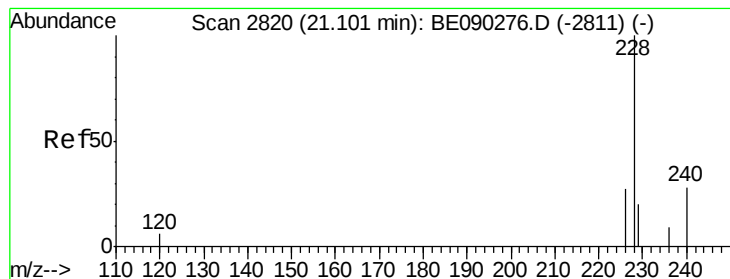
Tgt Ion: 202 Resp: 7692
 Ion Ratio Lower Upper
 202 100
 101 4.1 0.0 22.9
 203 22.2 0.0 39.0



#17
Pyrene
 Concen: 0.18 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BE090278.D
 Acq: 28 Jul 2015 20:41

Tgt Ion: 202 Resp: 7744
 Ion Ratio Lower Upper
 202 100
 200 6.2 4.5 6.7
 203 22.0 14.4 21.6#





#18

Benzo(a)anthracene

Concen: 0.16 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

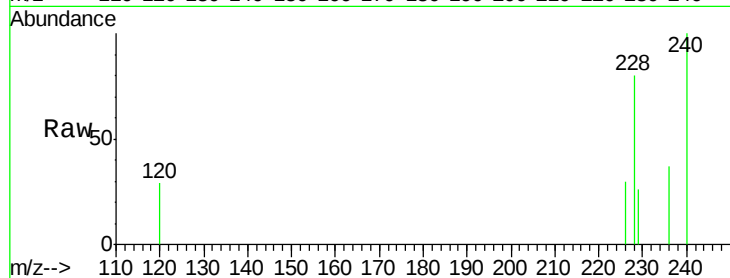
Tgt Ion:228 Resp: 568

Ion Ratio Lower Upper

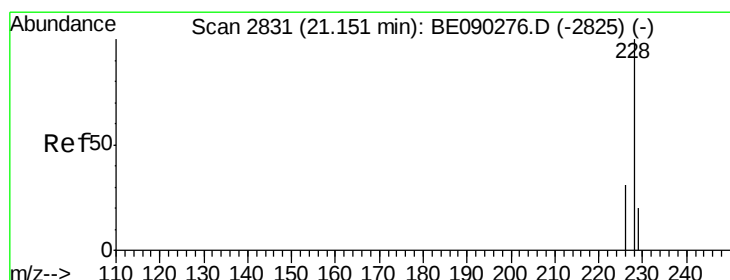
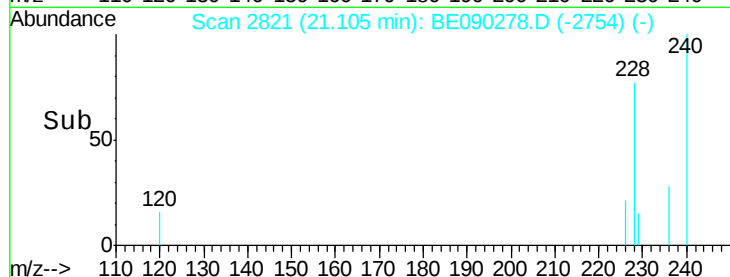
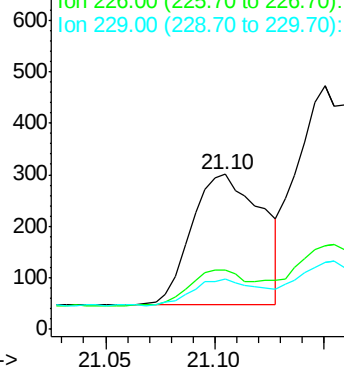
228 100

226 37.9 24.6 36.8#

229 32.2 17.9 26.9#



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: 0.14 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

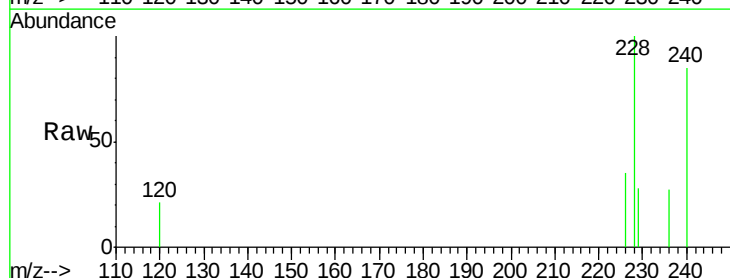
Tgt Ion:228 Resp: 1451

Ion Ratio Lower Upper

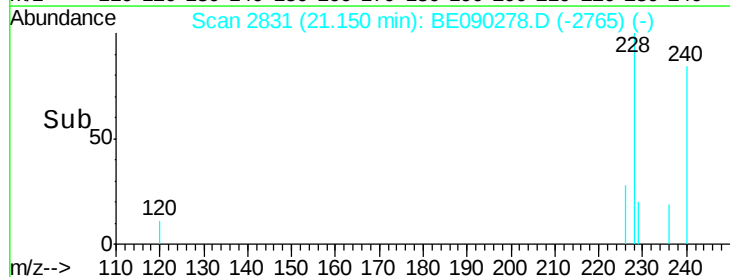
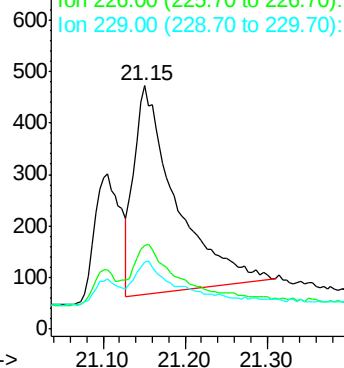
228 100

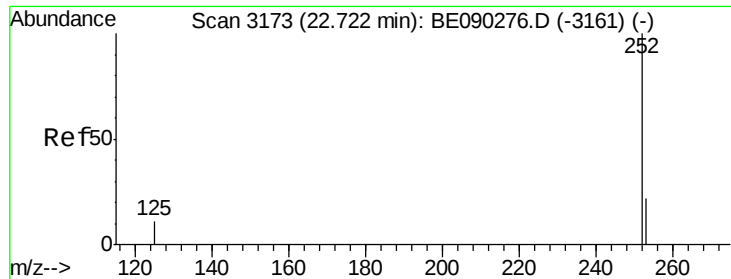
226 34.5 25.0 37.4

229 27.8 16.6 24.8#



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: 0.37 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. 0.04 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampled :

MDL-05-S

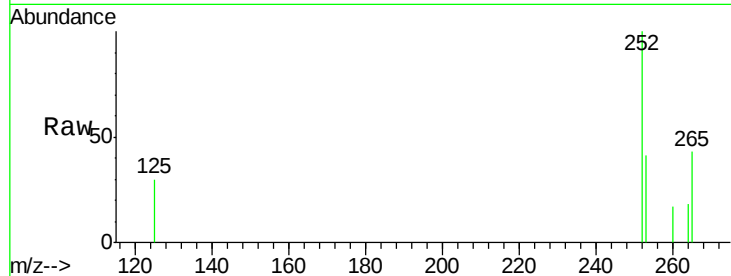
Tgt Ion:252 Resp: 808

Ion Ratio Lower Upper

252 100

253 41.0 0.0 57.2

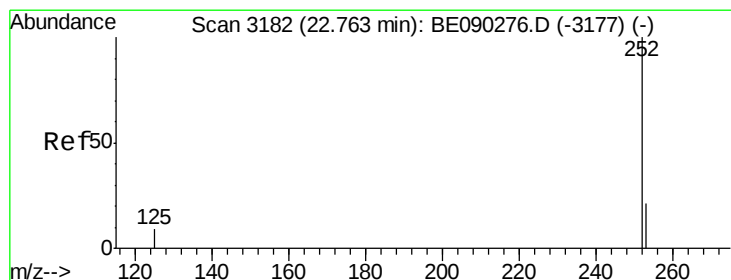
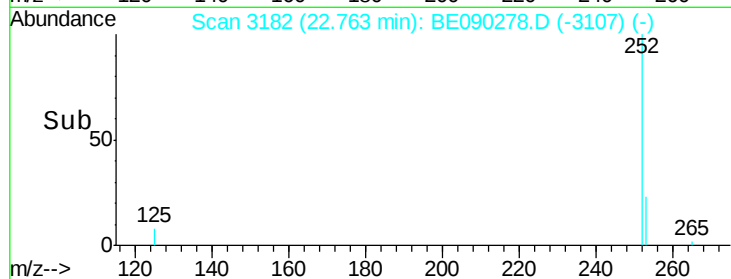
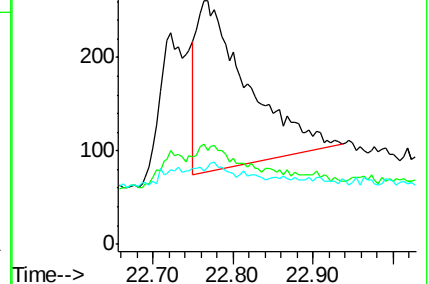
125 30.3 0.0 34.6



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: 0.12 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

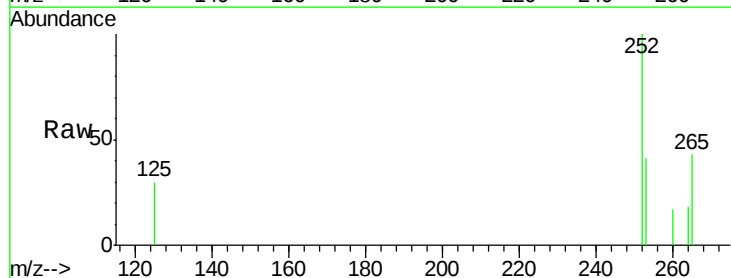
Tgt Ion:252 Resp: 808

Ion Ratio Lower Upper

252 100

253 41.0 21.3 31.9#

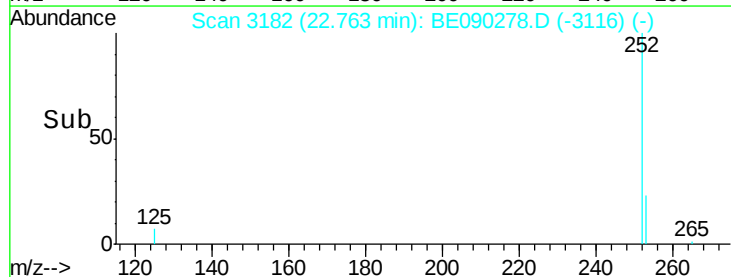
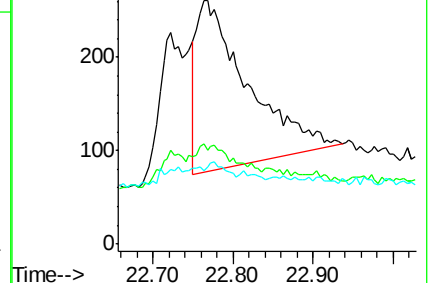
125 30.3 13.3 19.9#

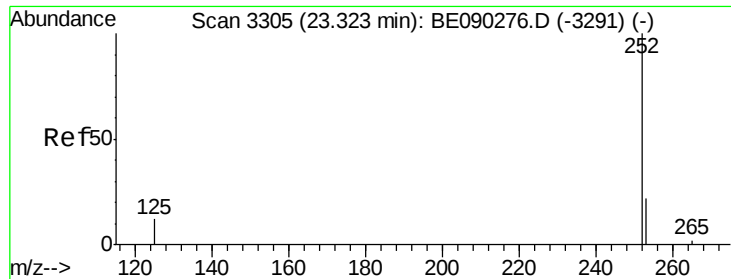


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.16 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

Instrument :

BNA_E

ClientSampled :

MDL-05-S

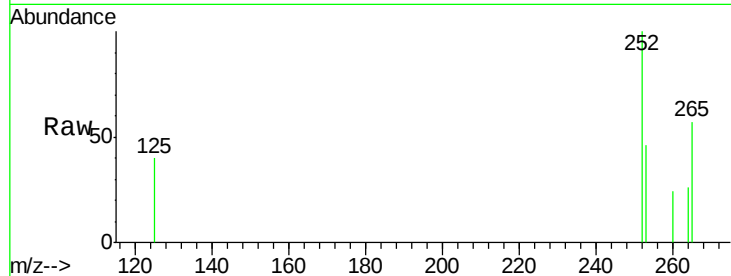
Tgt Ion: 252 Resp: 464

Ion Ratio Lower Upper

252 100

253 46.5 24.9 37.3#

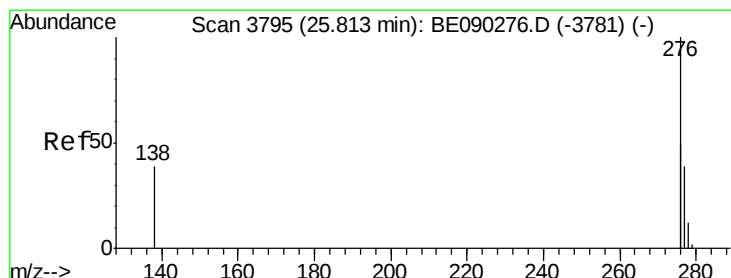
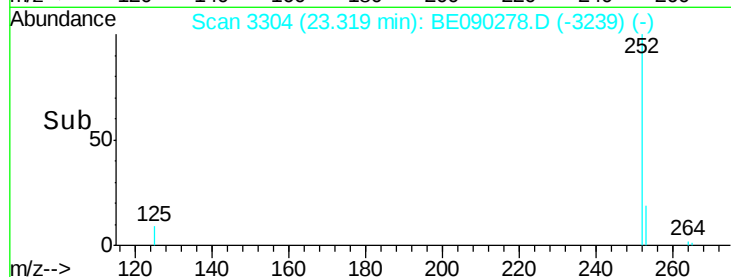
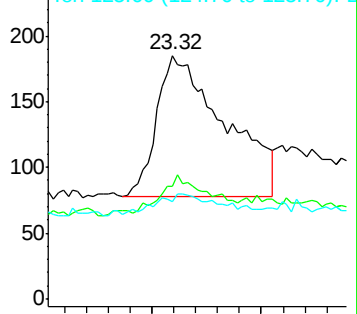
125 40.0 17.5 26.3#



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: 0.13 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090278.D

Acq: 28 Jul 2015 20:41

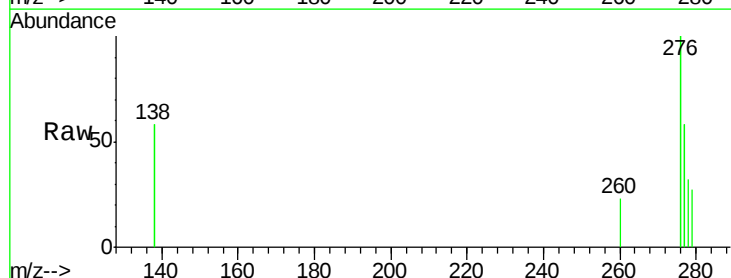
Tgt Ion: 276 Resp: 1165

Ion Ratio Lower Upper

276 100

138 25.9 13.5 20.3#

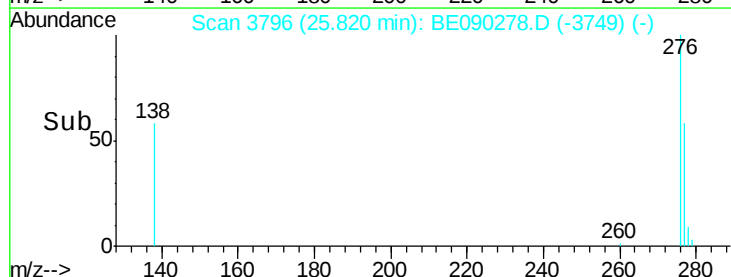
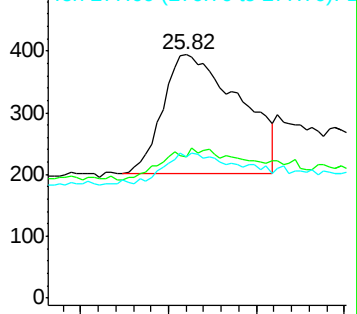
277 20.0 16.4 24.6

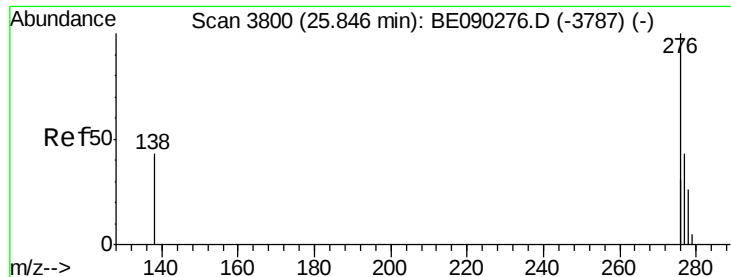


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

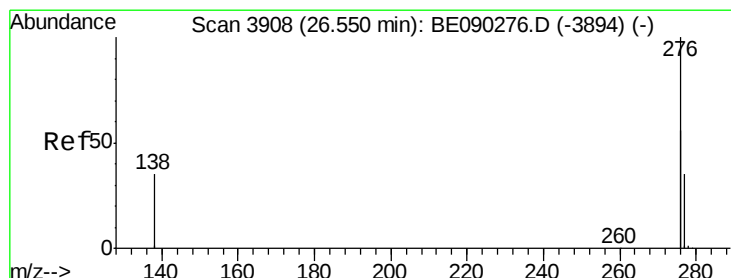
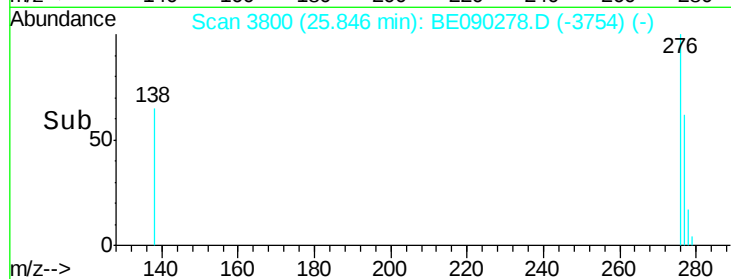
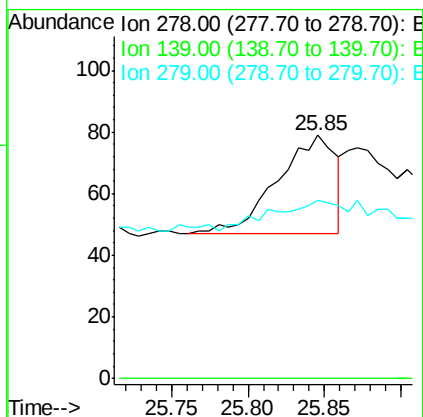
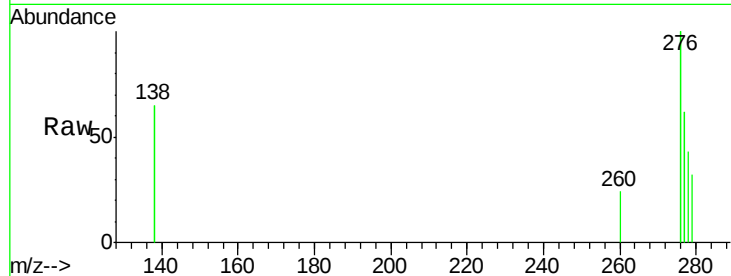




#25
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 25.85 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BE090278.D
Acq: 28 Jul 2015 20:41

Instrument :
BNA_E
ClientSampled :
MDL-05-S

Tgt Ion: 278 Resp: 86
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 73.4 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.15 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090278.D
Acq: 28 Jul 2015 20:41

Tgt Ion: 276 Resp: 1964
Ion Ratio Lower Upper
276 100
277 49.3 25.5 38.3#
138 48.5 23.9 35.9#

