

Data Path : Z:\HPCHEM1\BNA E\DATA\BE073015\
 Data File : BE090294.D
 Acq On : 30 Jul 2015 12:46
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

Quant Time: Jul 31 06:12:13 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 : Fri Jul 31 06:10:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	958	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3917	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	2392	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5268	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2827	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1620	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2643	0.44	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	5694	0.39	ng/ul	0.00

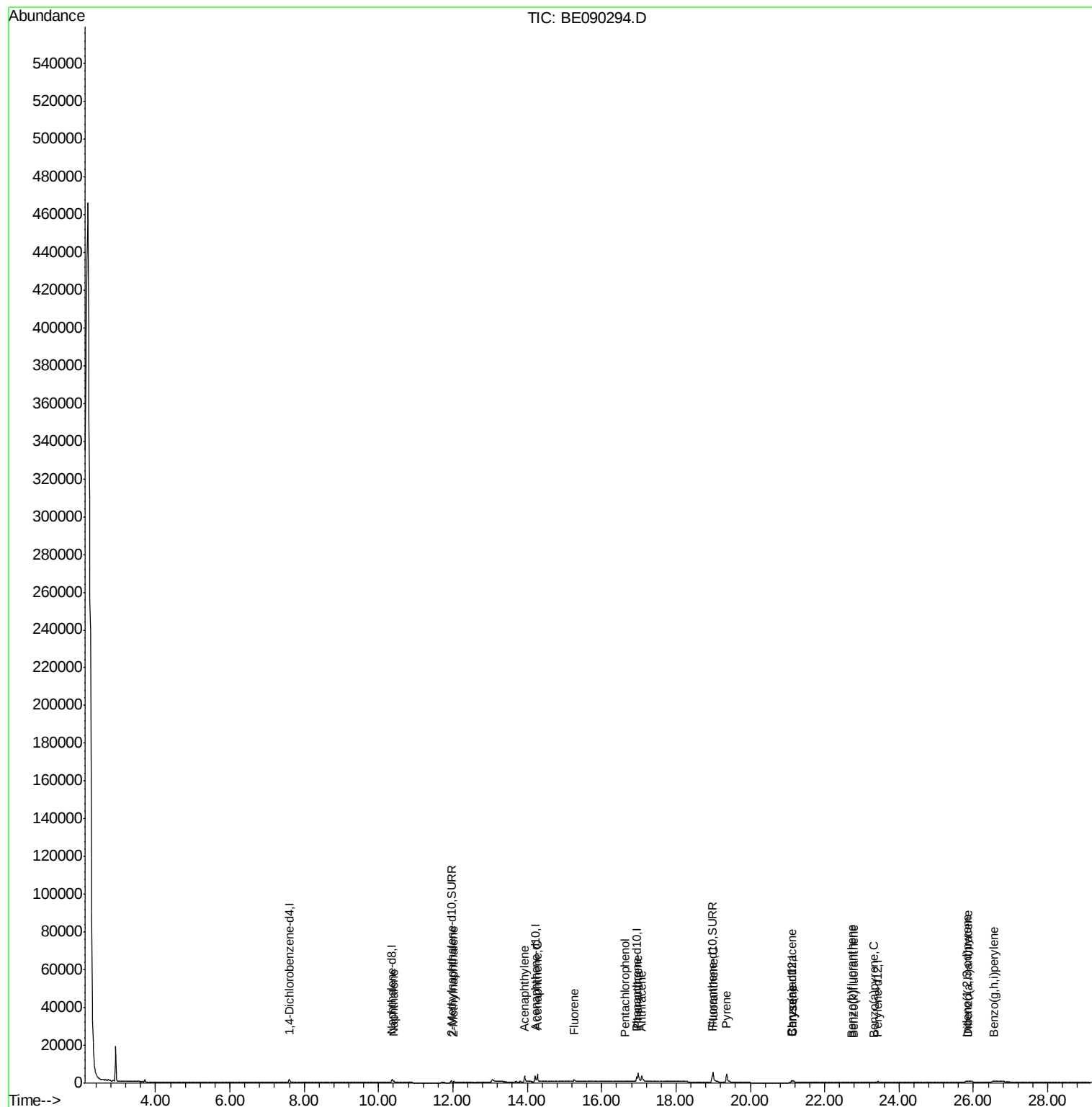
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	1326	0.13	ng/ul#	88
5) 2-Methylnaphthalene	12.03	142	818	0.12	ng/ul	100
7) Acenaphthylene	13.93	152	5891	0.12	ng/ul#	92
8) Acenaphthene	14.27	153	4456	0.12	ng/ul	99
9) Fluorene	15.27	166	1129	0.11	ng/ul#	95
11) Pentachlorophenol	16.63	266	67	0.20	ng/ul#	79
12) Phenanthrene	16.98	178	6401	0.11	ng/ul#	93
13) Anthracene	17.07	178	6520	0.11	ng/ul#	89
15) Fluoranthene	19.00	202	7694	0.12	ng/ul	97
17) Pyrene	19.36	202	8030	0.15	ng/ul	94
18) Benzo(a)anthracene	21.11	228	395	0.09	ng/ul#	84
19) Chrysene	21.15	228	1000	0.08	ng/ul#	84
21) Benzo(b)fluoranthene	22.72	252	265	0.11	ng/ul#	56
22) Benzo(k)fluoranthene	22.76	252	502	0.07	ng/ul#	60
23) Benzo(a)pyrene	23.32	252	292	0.09	ng/ul#	56
24) Indeno(1,2,3-cd)pyrene	25.82	276	779	0.08	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.85	278	135	0.11	ng/ul#	56
26) Benzo(g,h,i)perylene	26.56	276	1297	0.09	ng/ul#	53

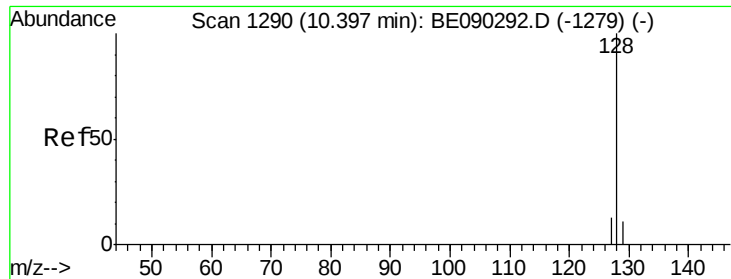
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

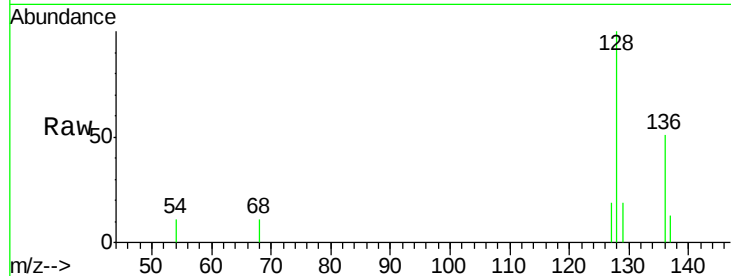
Tot Ion:128 Resp: 1326

Ion Ratio Lower Upper

128 100

129 18.6 10.4 15.6#

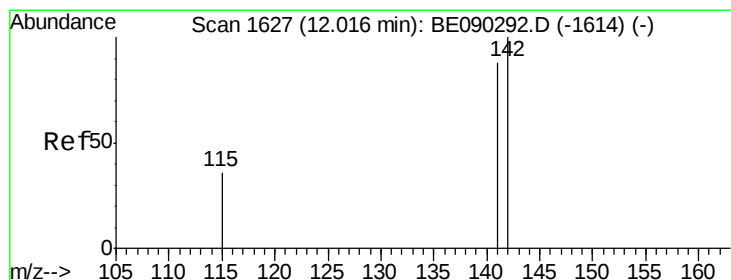
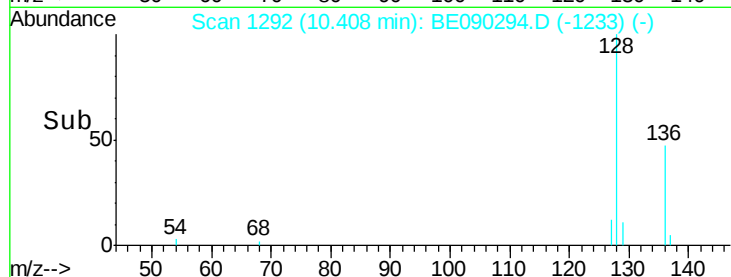
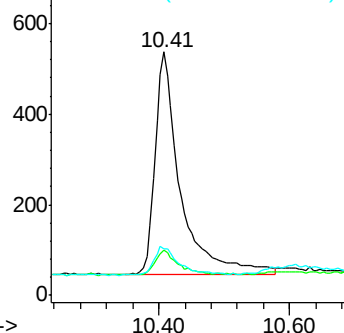
127 19.4 12.1 18.1#



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: 0.12 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE090294.D

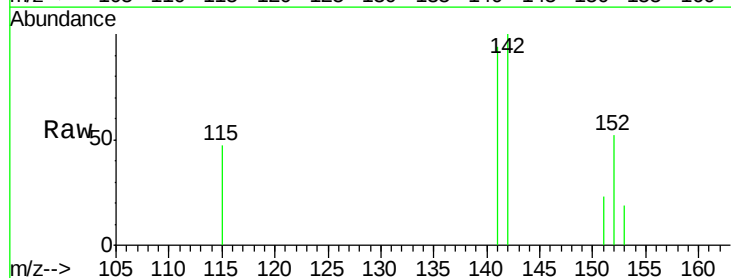
Acq: 30 Jul 2015 12:46

Tgt Ion:142 Resp: 818

Ion Ratio Lower Upper

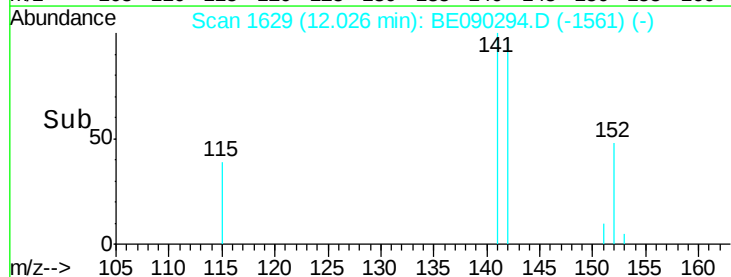
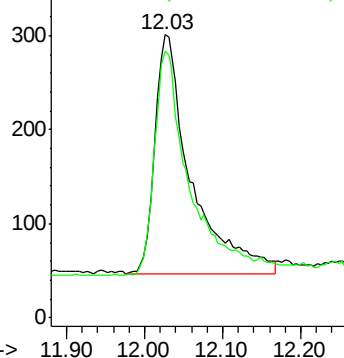
142 100

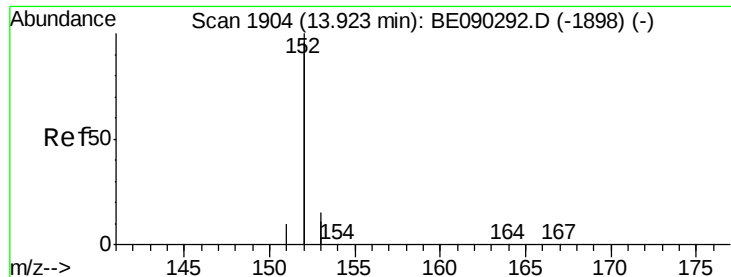
141 91.0 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

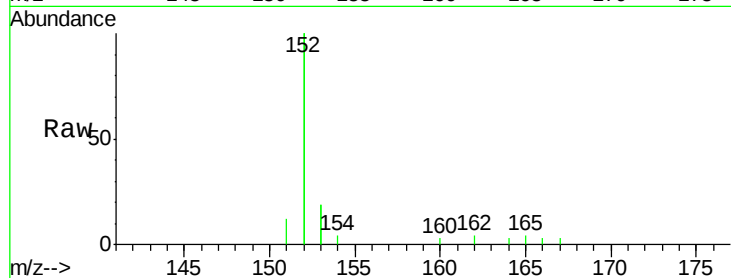
Tot Ion:152 Resp: 5891

Ion Ratio Lower Upper

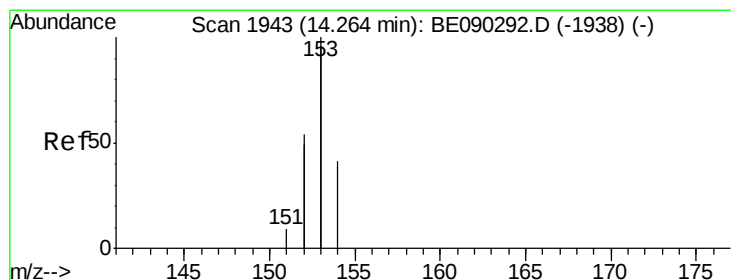
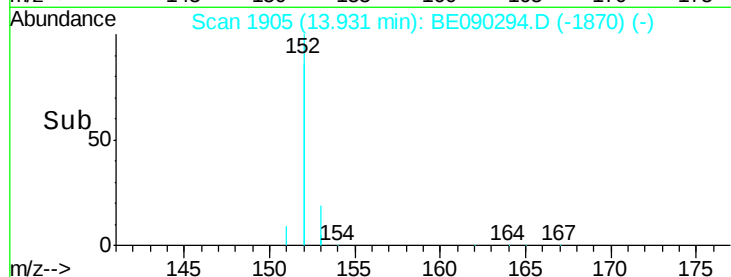
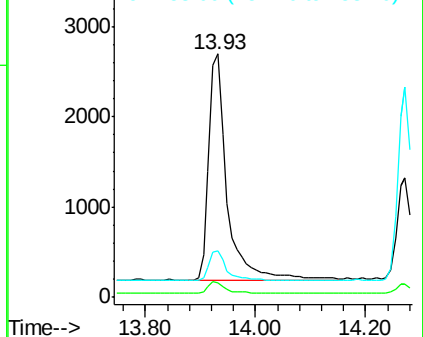
152 100

151 6.1 4.3 6.5

153 19.1 11.9 17.9#



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: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

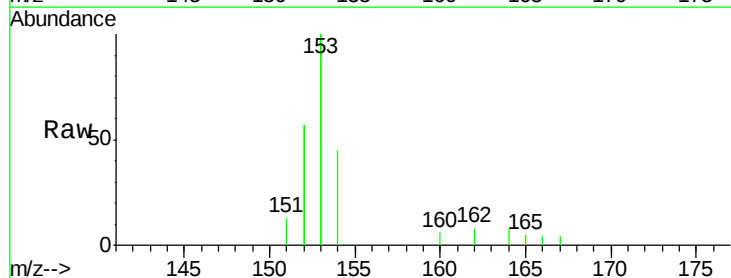
Tgt Ion:153 Resp: 4456

Ion Ratio Lower Upper

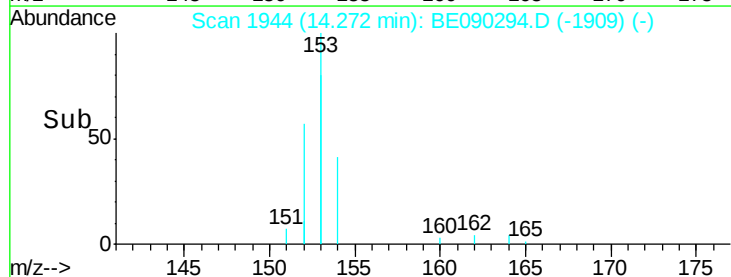
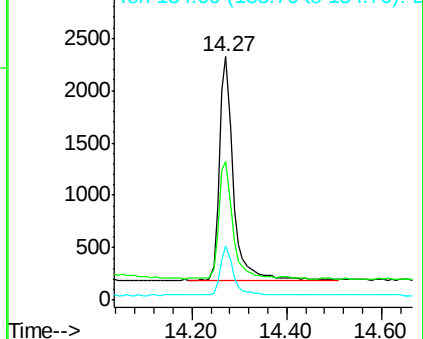
153 100

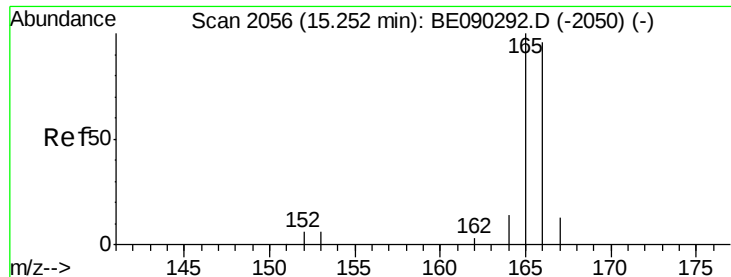
152 56.8 45.7 68.5

154 22.4 16.4 24.6



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: 0.11 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.02 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

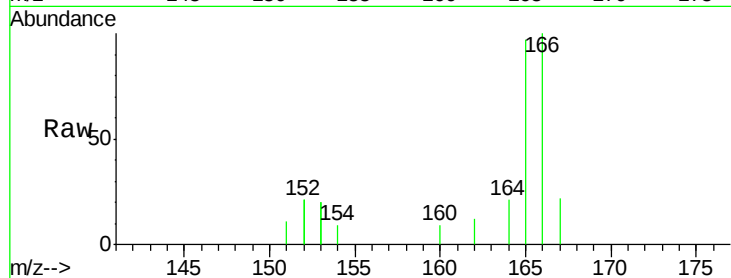
Tot Ion:166 Resp: 1129

Ion Ratio Lower Upper

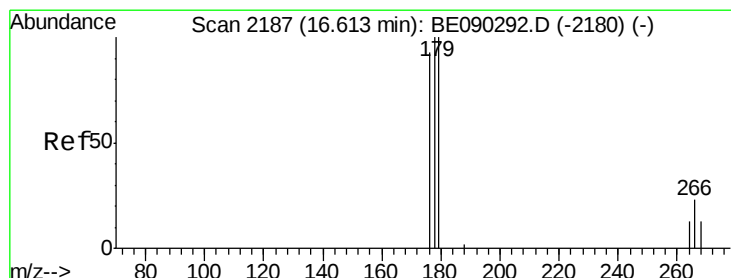
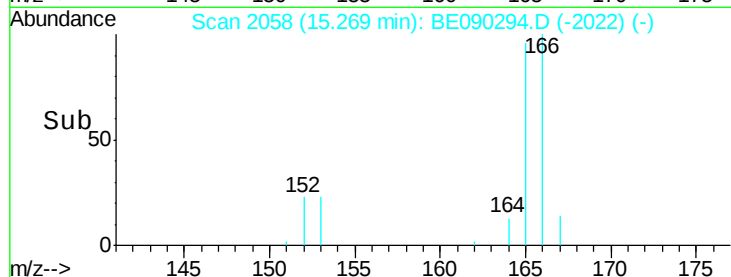
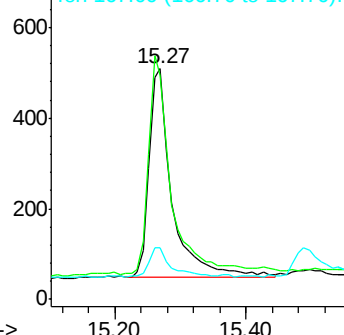
166 100

165 97.2 80.3 120.5

167 22.2 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: 0.20 ng/ul

RT: 16.63 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

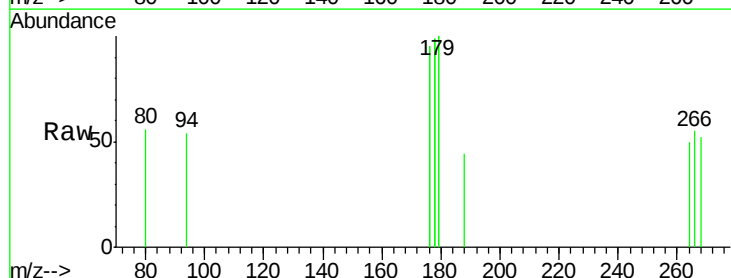
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

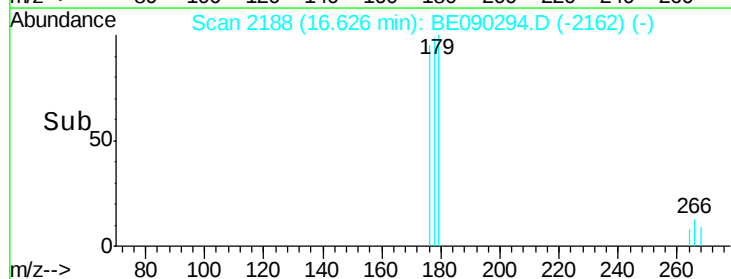
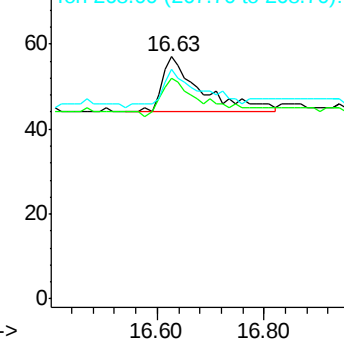
266 100

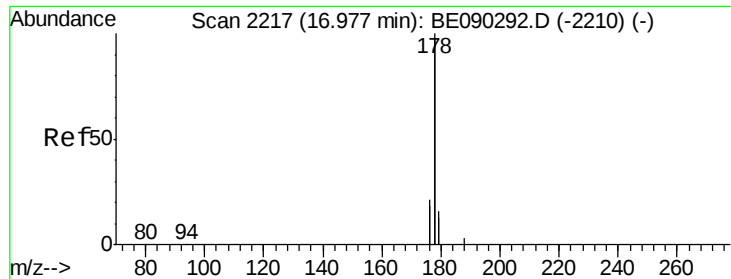
264 71.6 43.4 65.0#

268 68.7 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: 0.11 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

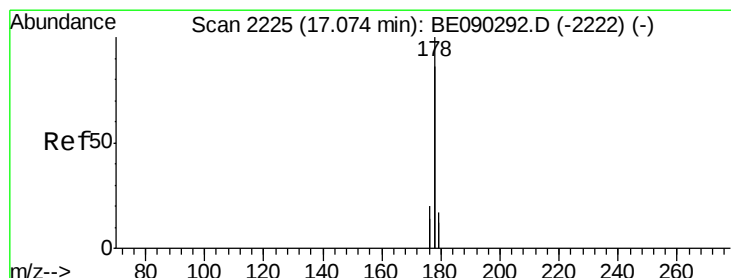
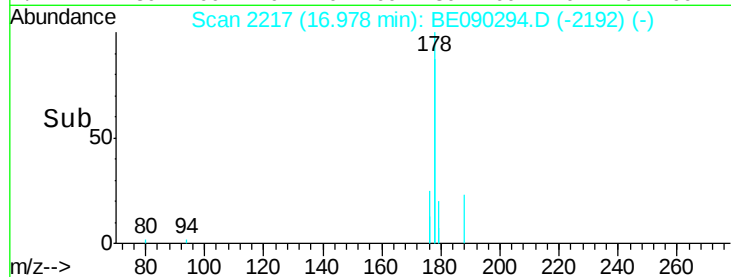
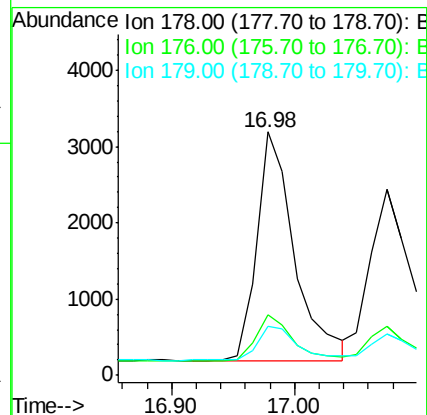
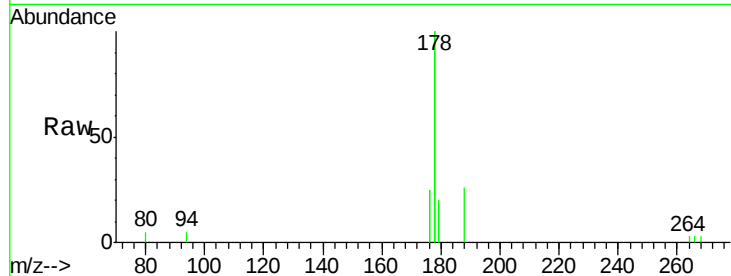
Tot Ion:178 Resp: 6401

Ion Ratio Lower Upper

178 100

176 24.7 17.3 25.9

179 19.9 13.1 19.7#



#13

Anthracene

Concen: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

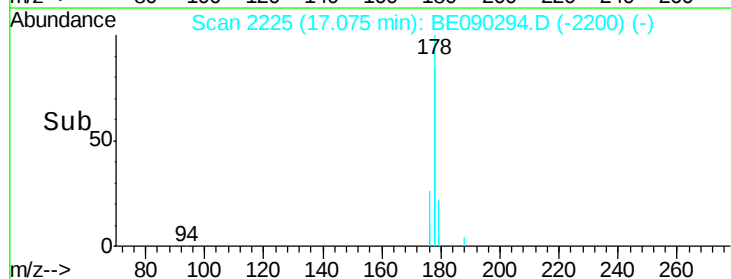
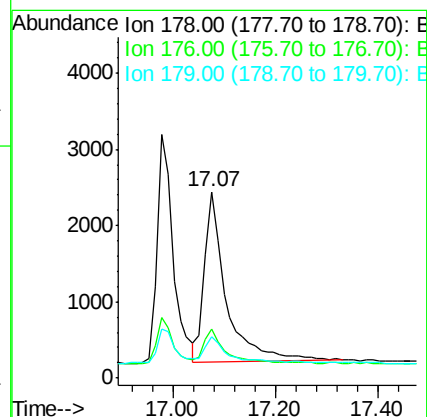
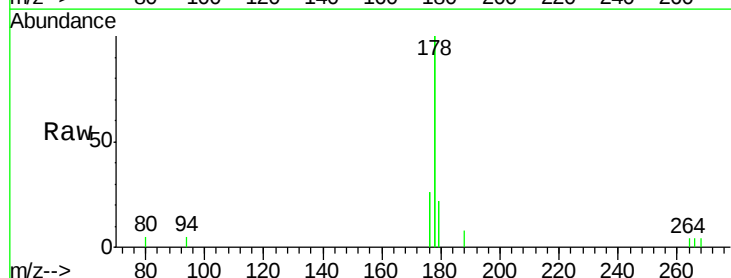
Tgt Ion:178 Resp: 6520

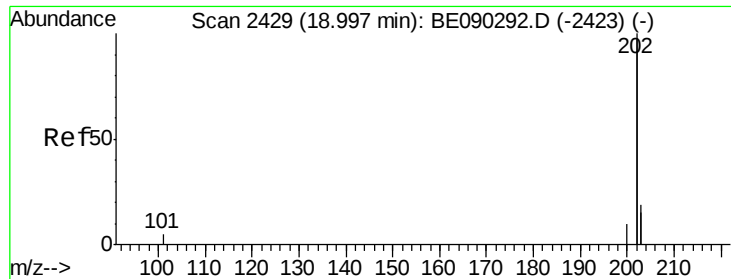
Ion Ratio Lower Upper

178 100

176 26.0 16.4 24.6#

179 22.2 13.9 20.9#

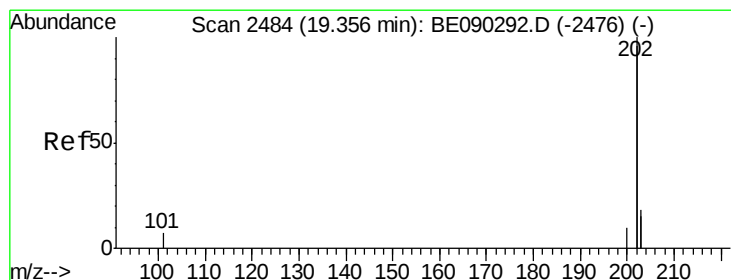
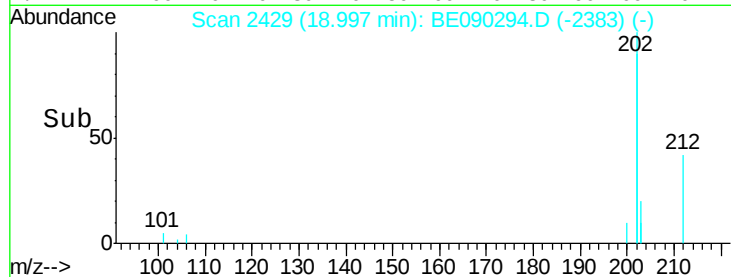
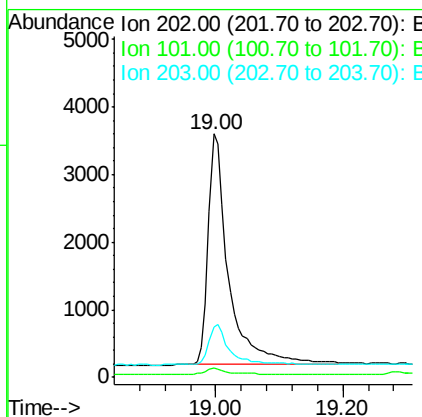
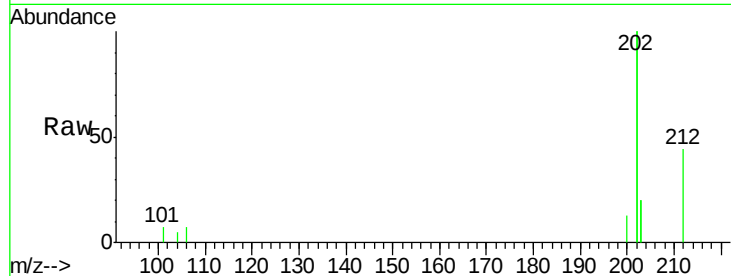




#15
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.00 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BE090294.D
Acq: 30 Jul 2015 12:46

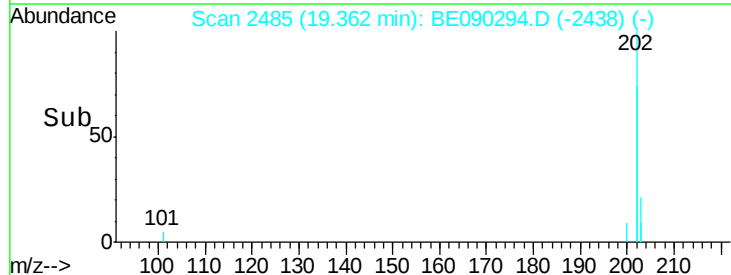
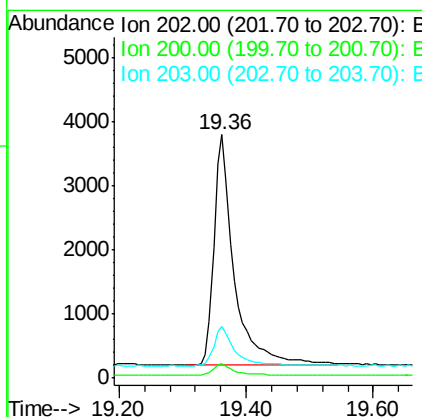
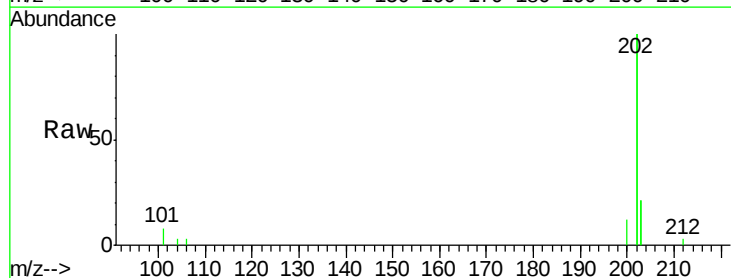
Instrument :
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ClientSampleId :
MDL-02-W

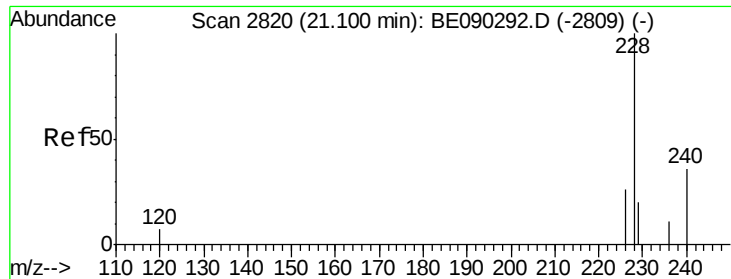
Tot Ion:202 Resp: 7694
Ion Ratio Lower Upper
202 100
101 3.7 0.0 22.9
203 20.5 0.0 39.0



#17
Pyrene
Concen: 0.15 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BE090294.D
Acq: 30 Jul 2015 12:46

Tgt Ion:202 Resp: 8030
Ion Ratio Lower Upper
202 100
200 6.0 4.5 6.7
203 21.1 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.11 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

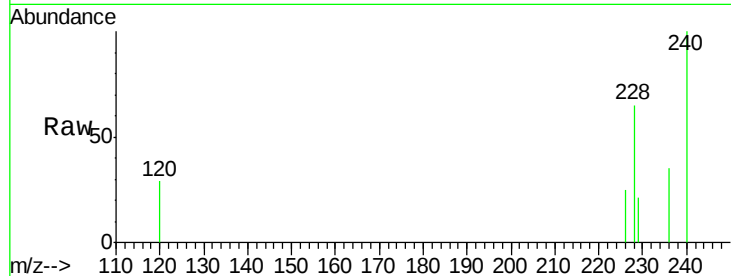
Tot Ion:228 Resp: 395

Ion Ratio Lower Upper

228 100

226 37.7 24.6 36.8#

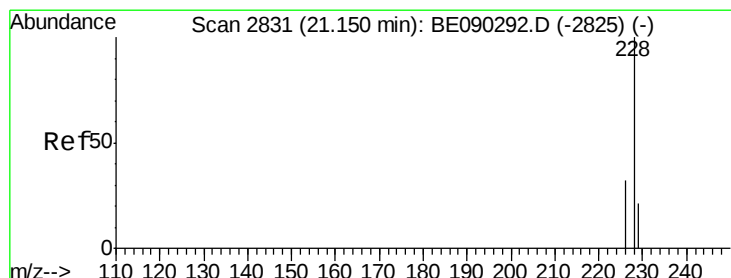
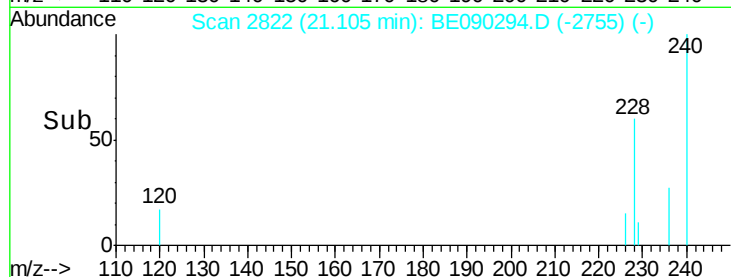
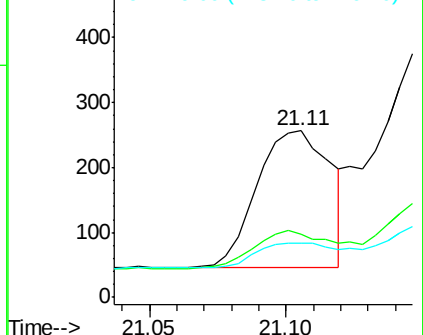
229 32.3 17.9 26.9#



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: 0.08 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

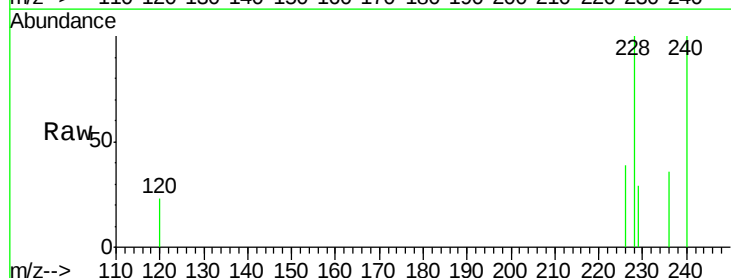
Tgt Ion:228 Resp: 1000

Ion Ratio Lower Upper

228 100

226 39.2 25.0 37.4#

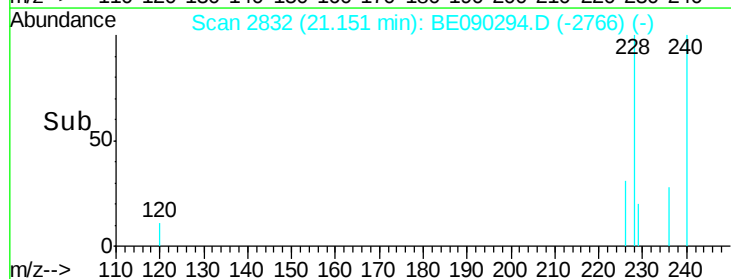
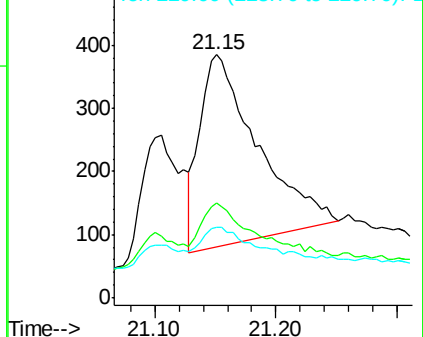
229 29.1 16.6 24.8#

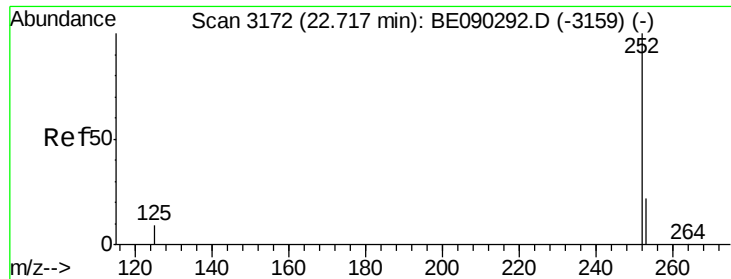


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.11 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

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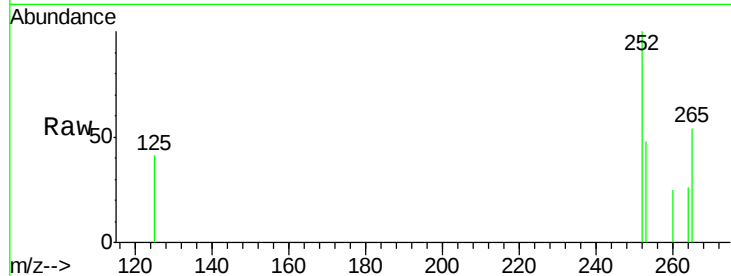
Tot Ion:252 Resp: 265

Ion Ratio Lower Upper

252 100

253 48.3 0.0 57.2

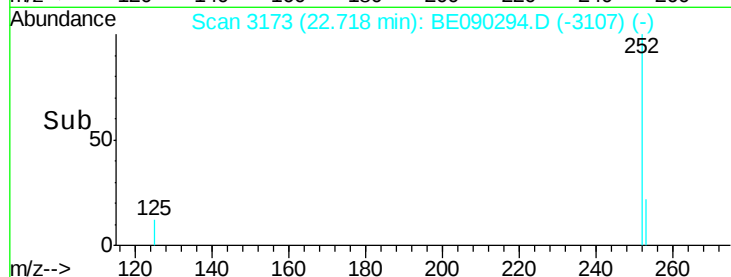
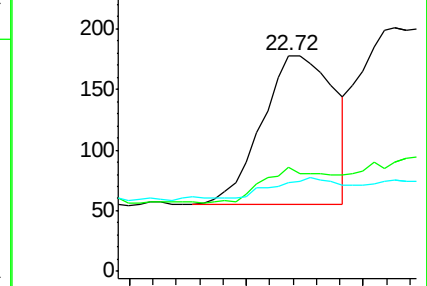
125 41.0 0.0 34.6#



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: 0.07 ng/ul

RT: 22.76 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

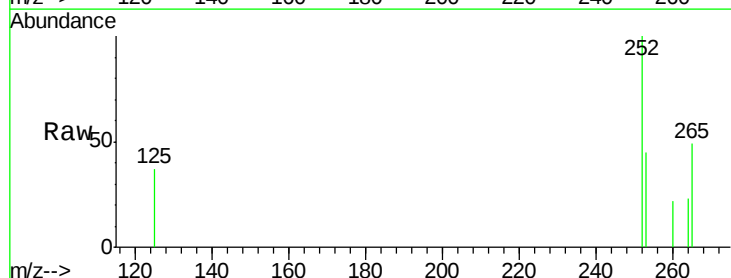
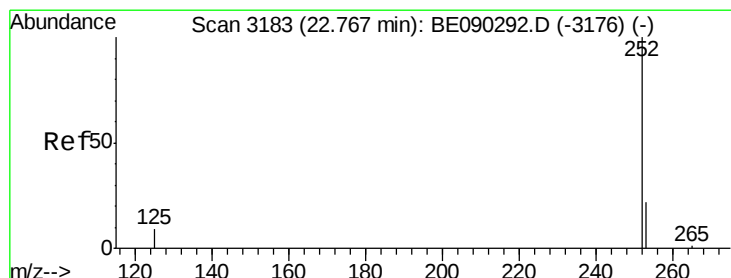
Tgt Ion:252 Resp: 502

Ion Ratio Lower Upper

252 100

253 44.8 21.3 31.9#

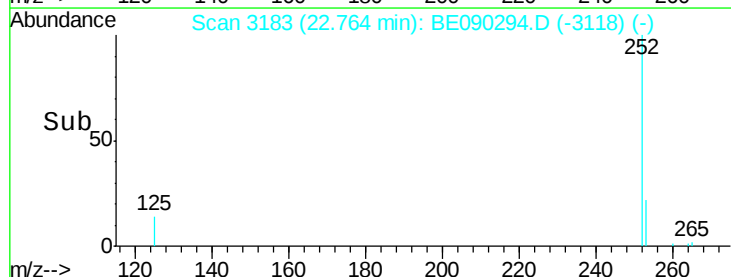
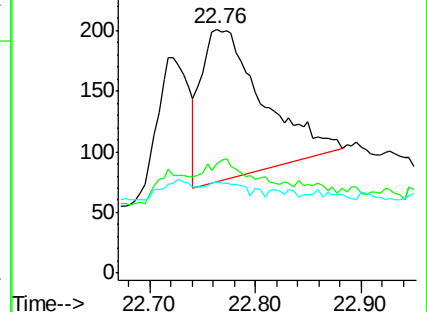
125 37.3 13.3 19.9#

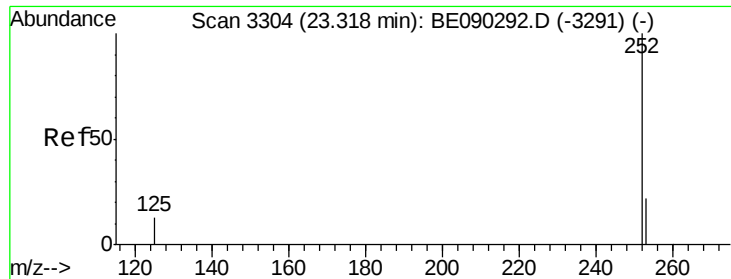


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.32 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

Instrument :

BNA_E

ClientSampleId :

MDL-02-W

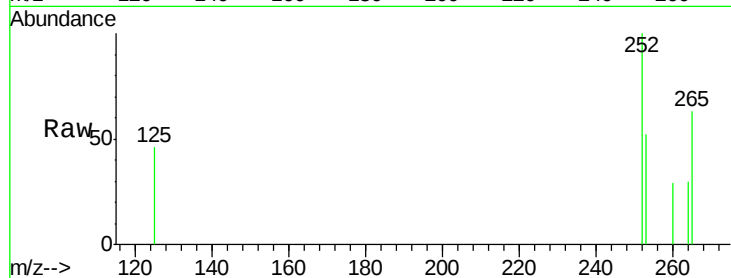
Tot Ion:252 Resp: 292

Ion Ratio Lower Upper

252 100

253 52.3 24.9 37.3#

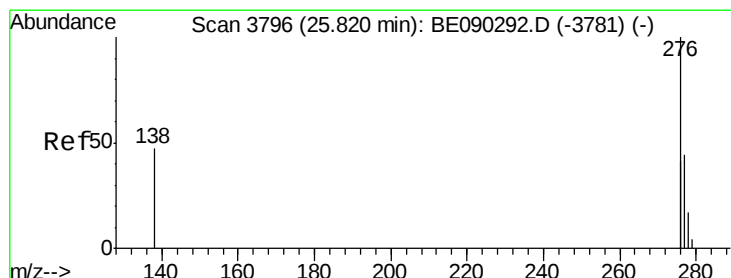
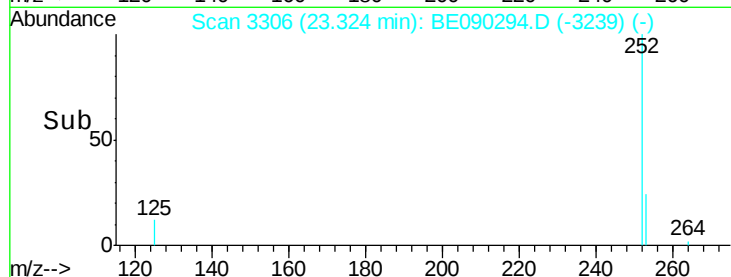
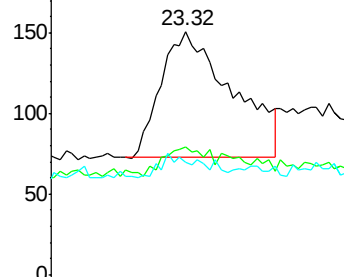
125 46.4 17.5 26.3#



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: 0.08 ng/ul

RT: 25.82 min Scan# 3797

Delta R.T. -0.00 min

Lab File: BE090294.D

Acq: 30 Jul 2015 12:46

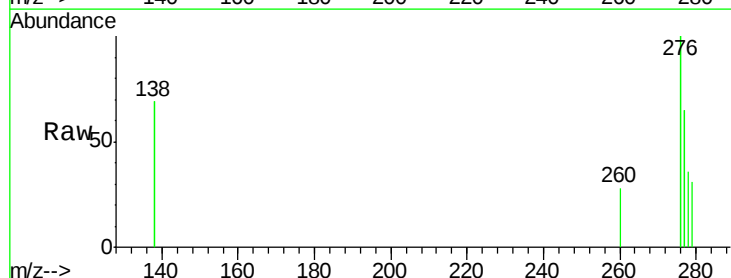
Tgt Ion:276 Resp: 779

Ion Ratio Lower Upper

276 100

138 11.7 13.5 20.3#

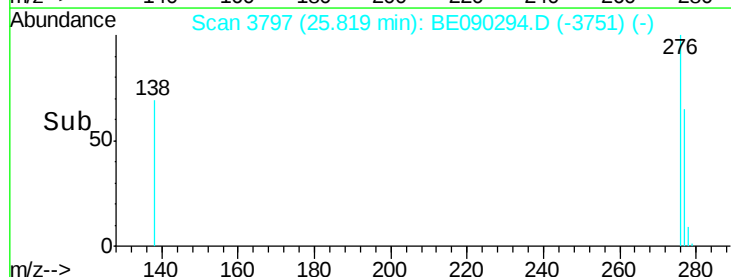
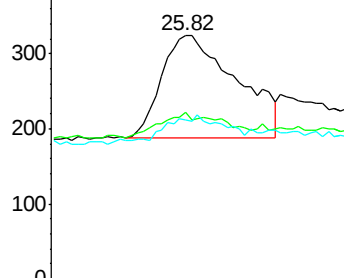
277 22.2 16.4 24.6

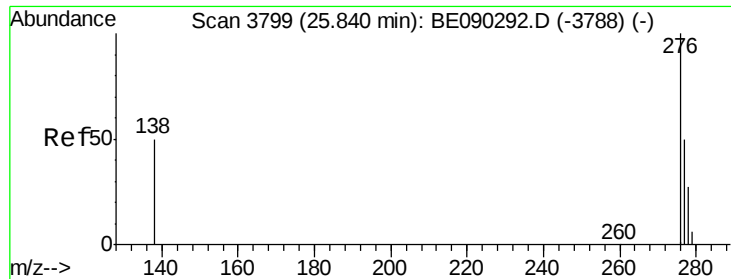


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

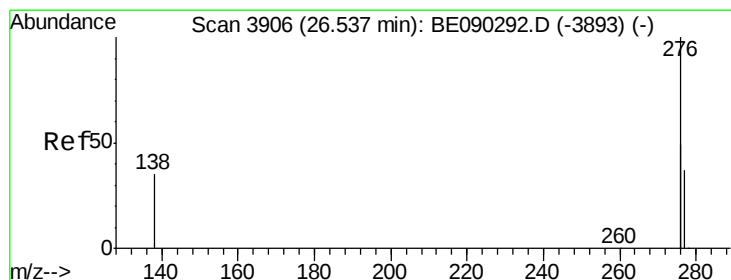
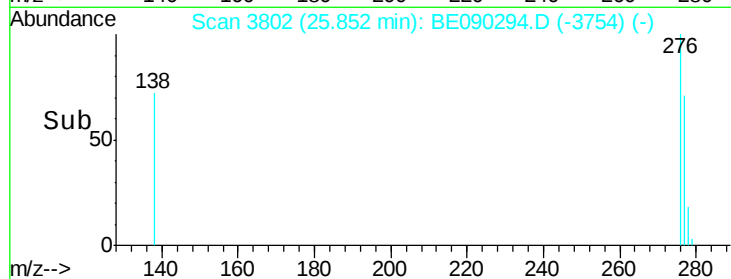
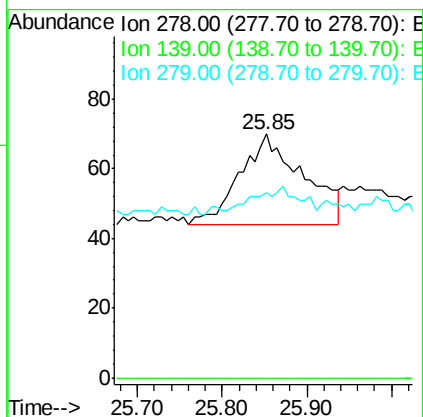
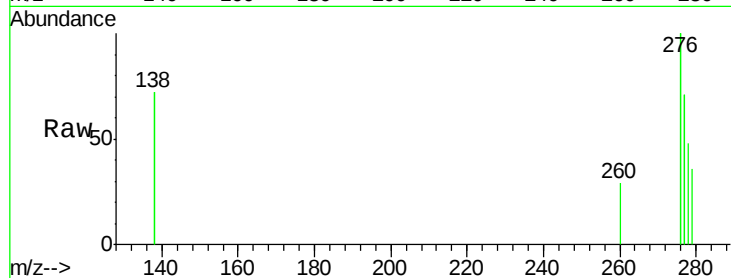




#25
Dibenzo(a,h)anthracene
Concen: 0.11 ng/ul
RT: 25.85 min Scan# 3802
Delta R.T. 0.01 min
Lab File: BE090294.D
Acq: 30 Jul 2015 12:46

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tot Ion:278 Resp: 135
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 75.7 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.09 ng/ul
RT: 26.56 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BE090294.D
Acq: 30 Jul 2015 12:46

Tgt Ion:276 Resp: 1297
Ion Ratio Lower Upper
276 100
277 57.2 25.5 38.3#
138 56.3 23.9 35.9#

