

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090216.D
 Acq On : 22 Jul 2015 1:23
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:58:33 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE072215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 04:13:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	640	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3004	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1803	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4748	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	2327	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1130	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1923	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5420	0.40	ng/ul	0.00

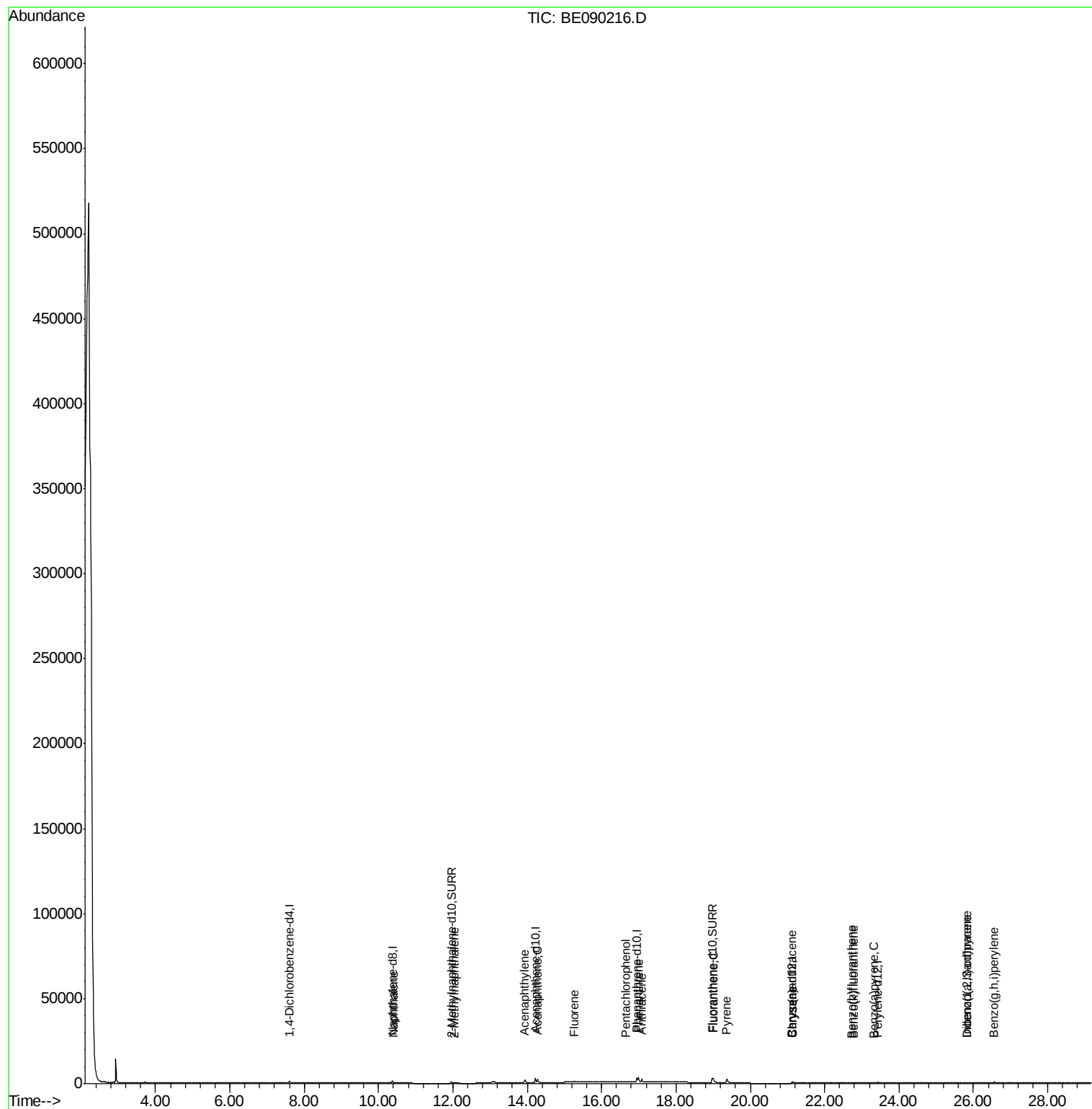
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	527	0.07	ng/ul#	68
5) 2-Methylnaphthalene	12.04	142	322	0.06	ng/ul	98
7) Acenaphthylene	13.93	152	2496	0.07	ng/ul#	79
8) Acenaphthene	14.27	153	1803	0.07	ng/ul	98
9) Fluorene	15.27	166	542	0.07	ng/ul#	93
11) Pentachlorophenol	16.65	266	1	0.00	ng/ul#	1
12) Phenanthrene	16.99	178	3634	0.07	ng/ul#	87
13) Anthracene	17.07	178	3580	0.07	ng/ul#	79
15) Fluoranthene	19.00	202	4082	0.07	ng/ul	82
17) Pyrene	19.37	202	4081	0.11	ng/ul#	83
18) Benzo(a)anthracene	21.10	228	177	0.05	ng/ul#	54
19) Chrysene	21.16	228	433	0.05	ng/ul#	72
21) Benzo(b)fluoranthene	22.73	252	116	0.08	ng/ul#	21
22) Benzo(k)fluoranthene	22.77	252	88	0.02	ng/ul#	9
23) Benzo(a)pyrene	23.32	252	139	0.06	ng/ul#	16
24) Indeno(1,2,3-cd)pyrene	25.82	276	402	0.06	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.84	278	73	0.07	ng/ul#	18
26) Benzo(g,h,i)perylene	26.56	276	498	0.05	ng/ul#	21

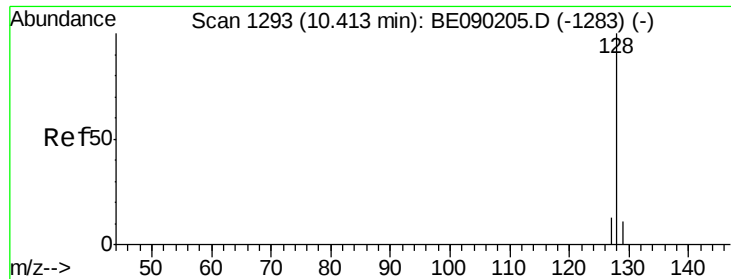
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.00 min

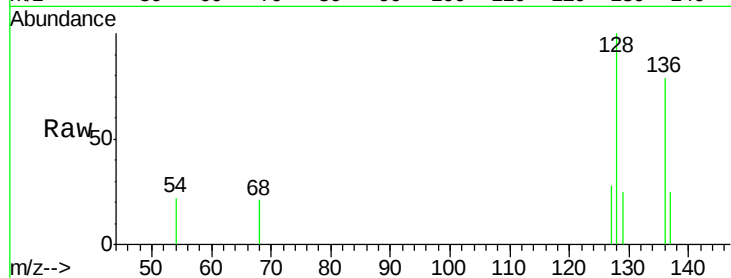
Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampleId :



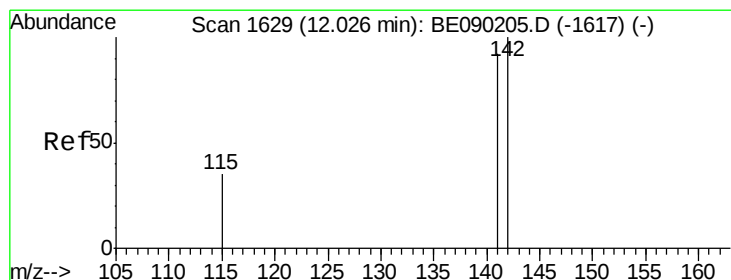
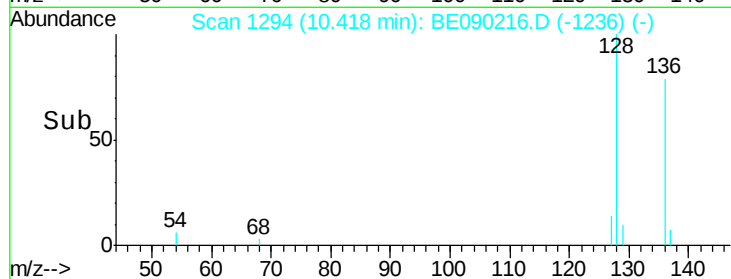
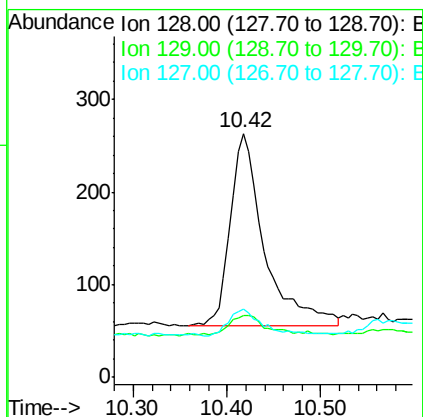
Tot Ion:128 Resp: 527

Ion Ratio Lower Upper

128 100

129 25.5 10.2 15.2#

127 28.1 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.04 min Scan# 1631

Delta R.T. 0.01 min

Lab File: BE090216.D

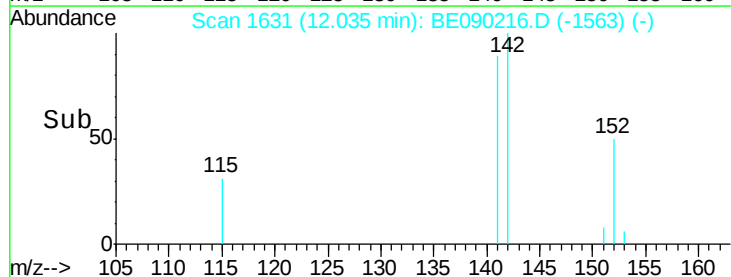
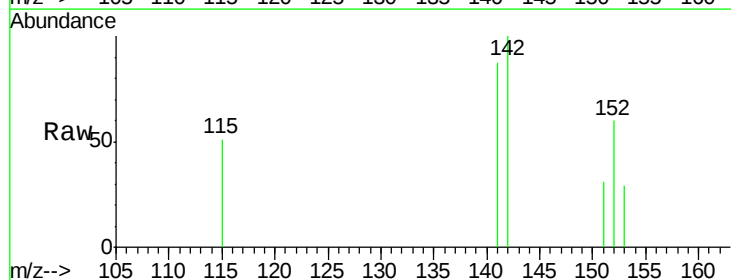
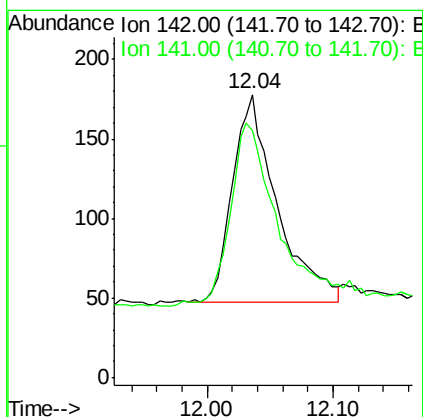
Acq: 22 Jul 2015 1:23

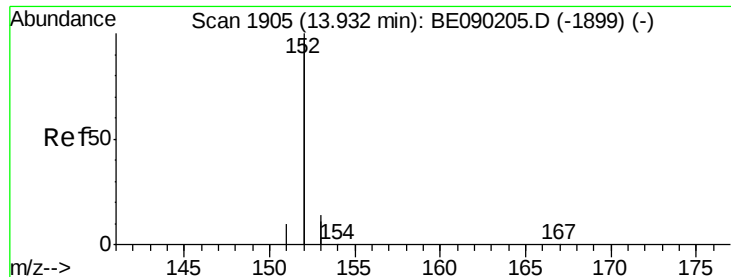
Tgt Ion:142 Resp: 322

Ion Ratio Lower Upper

142 100

141 89.8 73.0 109.6





#7

Acenaphthylene

Concen: 0.07 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampleId :

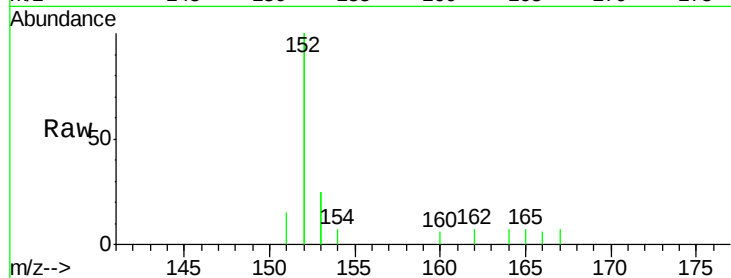
Tot Ion:152 Resp: 2496

Ion Ratio Lower Upper

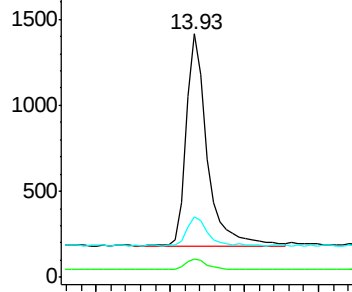
152 100

151 7.7 4.2 6.4#

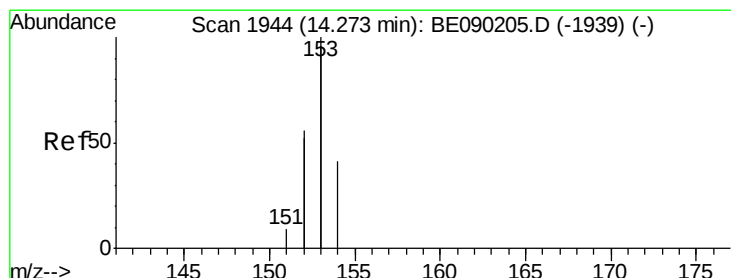
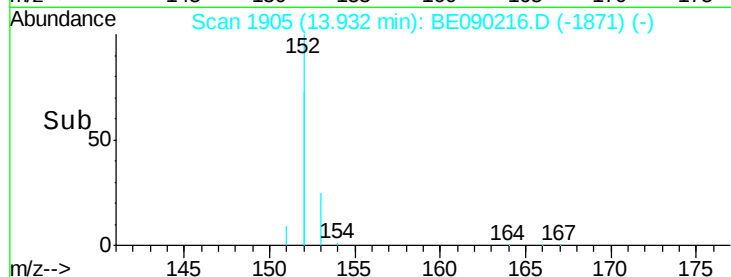
153 25.0 11.5 17.3#



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



Time--> 13.80 13.90 14.00 14.10



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

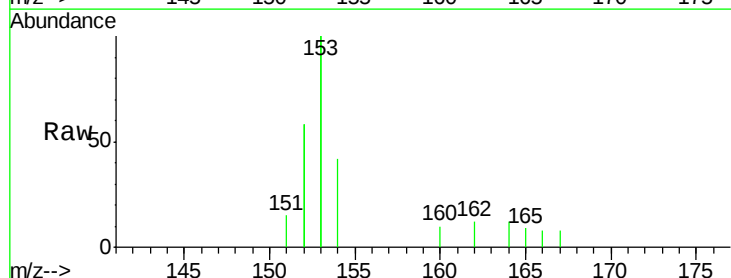
Tgt Ion:153 Resp: 1803

Ion Ratio Lower Upper

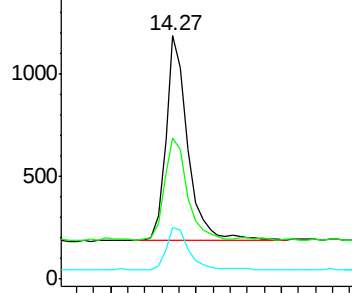
153 100

152 58.1 45.0 67.4

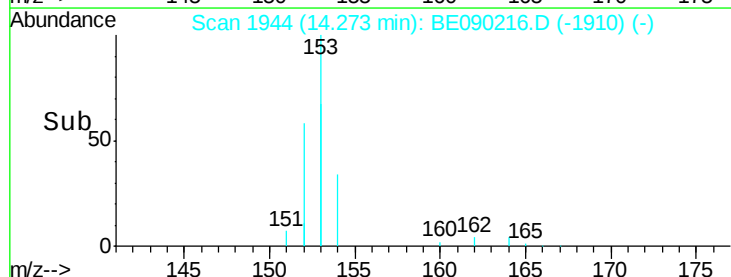
154 21.0 16.8 25.2

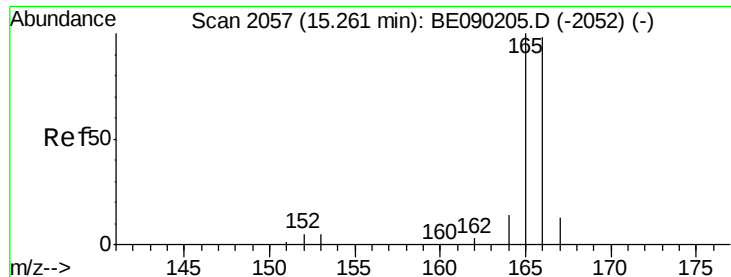


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.30 14.40





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampleId :

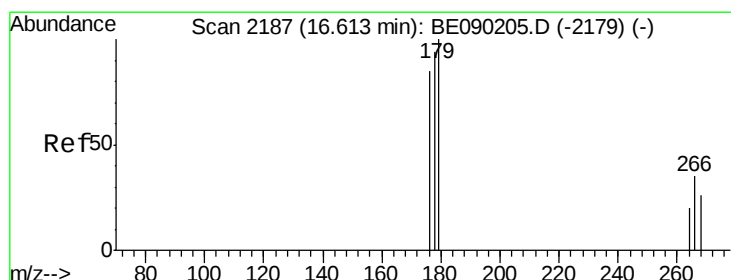
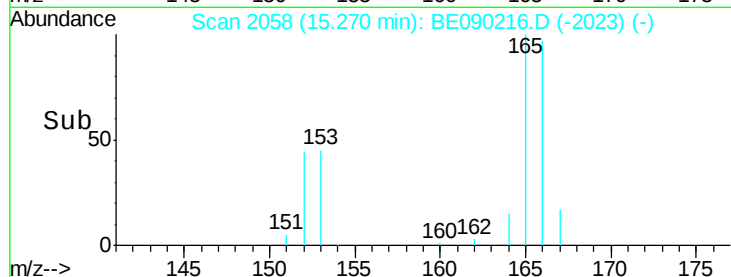
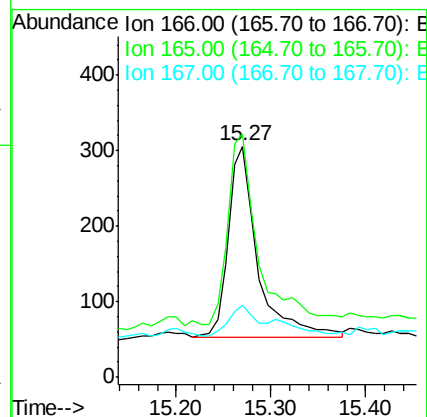
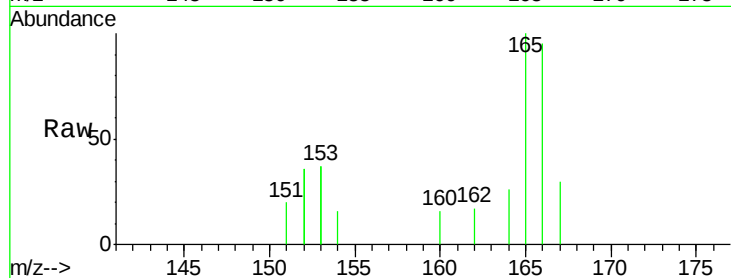
Tot Ion:166 Resp: 542

Ion Ratio Lower Upper

166 100

165 105.2 81.9 122.9

167 31.0 12.2 18.2#



#11

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.65 min Scan# 2190

Delta R.T. 0.04 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

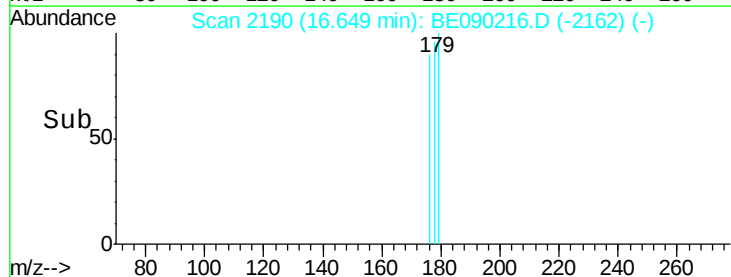
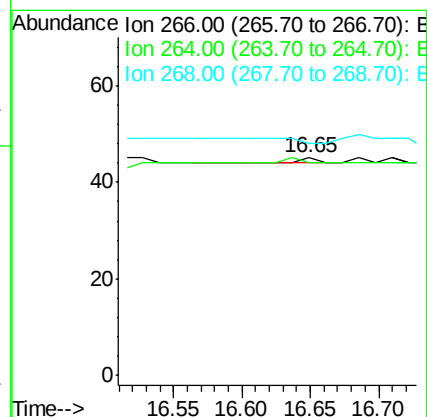
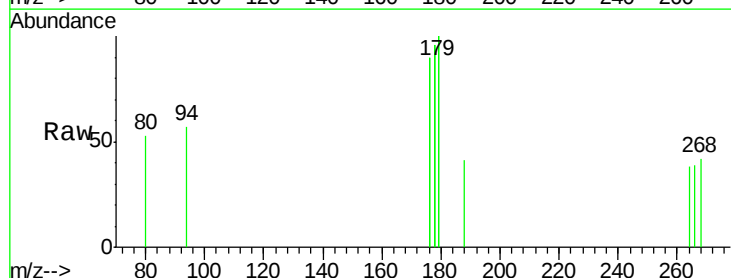
Tgt Ion:266 Resp: 1

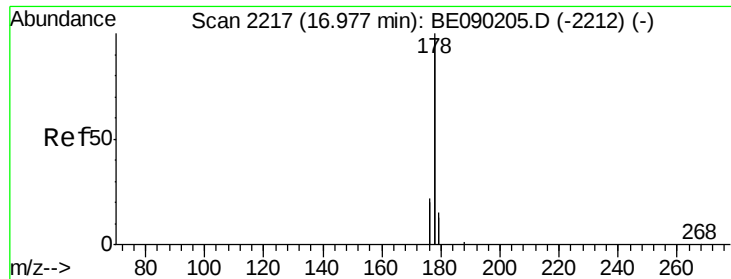
Ion Ratio Lower Upper

266 100

264 900.0 51.6 77.4#

268 0.0 41.3 61.9#

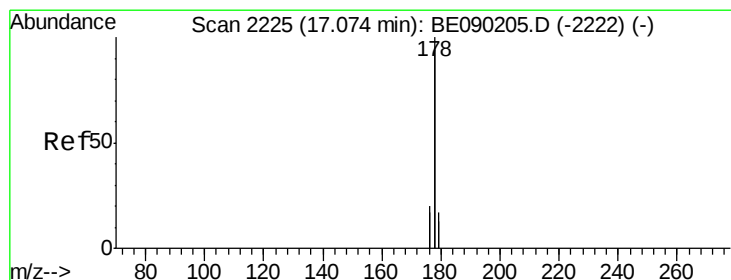
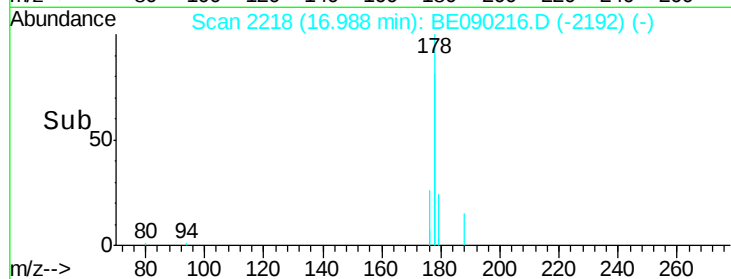
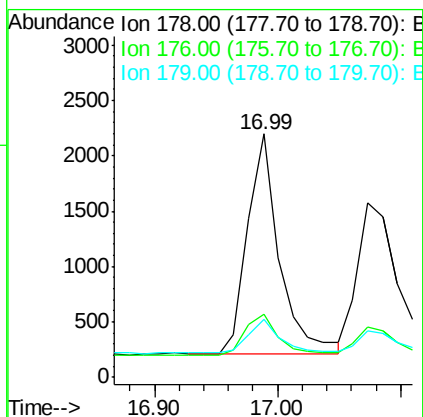
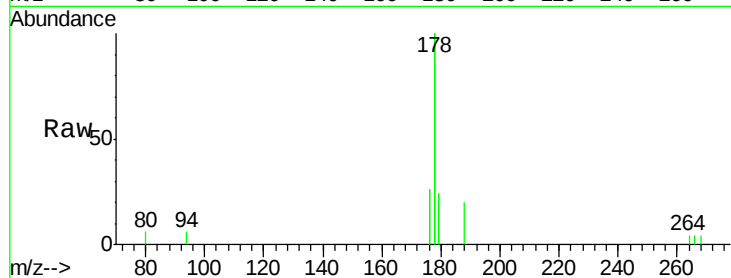




#12
Phenanthrene
Concen: 0.07 ng/ul
RT: 16.99 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

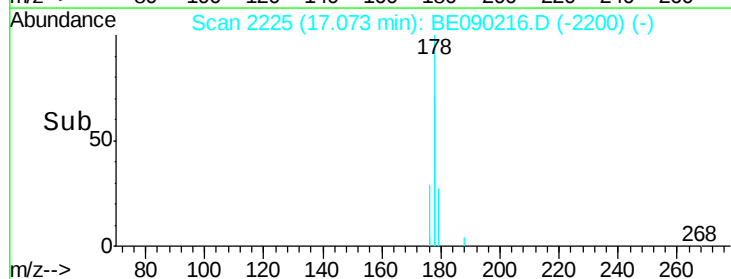
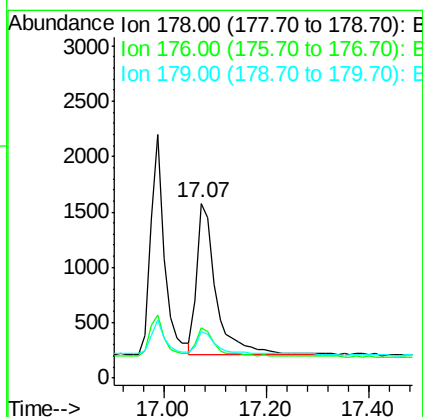
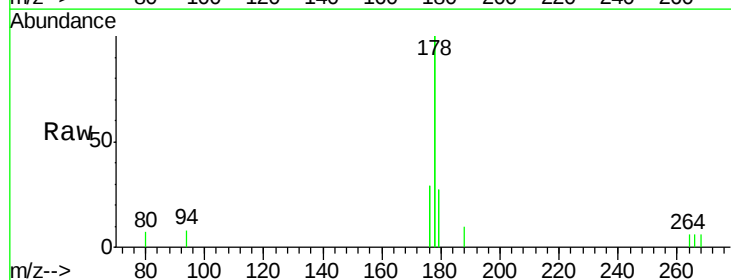
Instrument :
BNA_E
ClientSampleId :

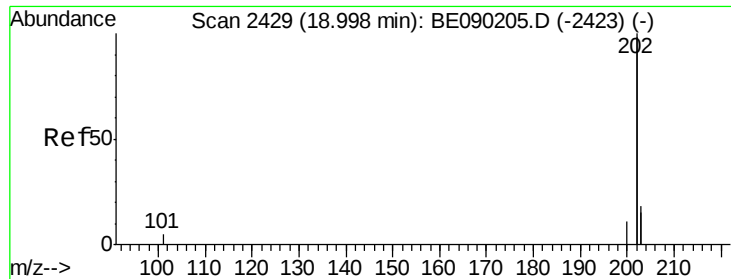
Tot Ion:178 Resp: 3634
Ion Ratio Lower Upper
178 100
176 25.8 17.6 26.4
179 23.7 12.2 18.4#



#13
Anthracene
Concen: 0.07 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

Tgt Ion:178 Resp: 3580
Ion Ratio Lower Upper
178 100
176 28.9 15.9 23.9#
179 26.6 13.3 19.9#

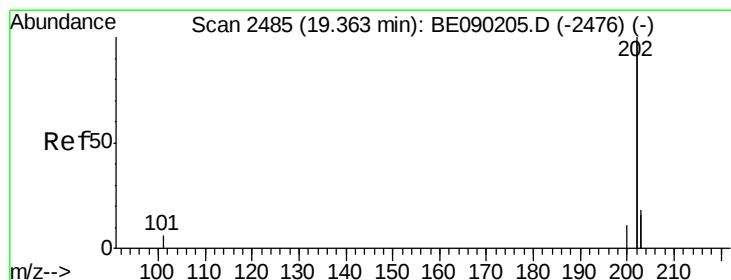
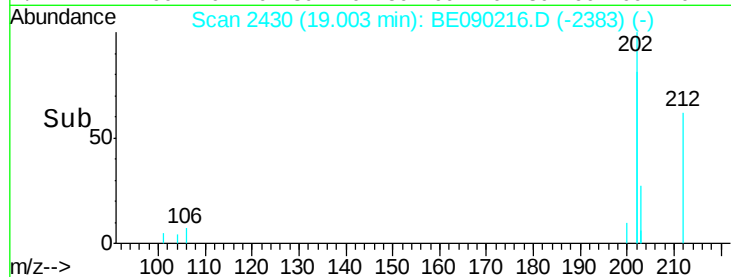
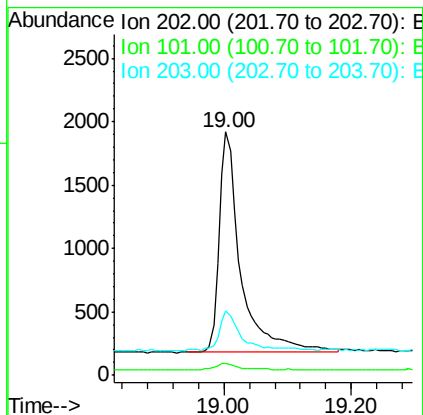
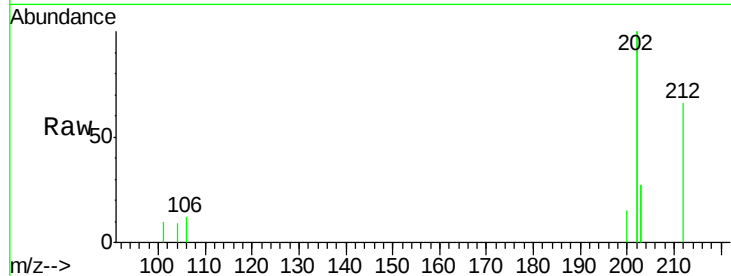




#15
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

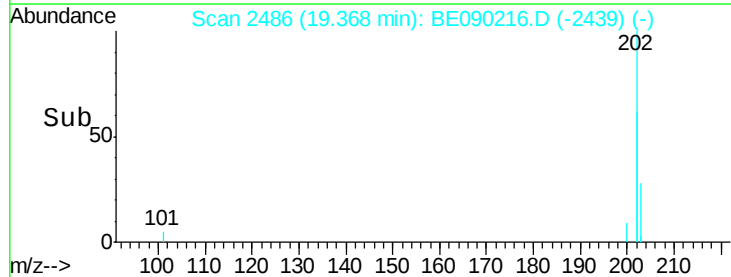
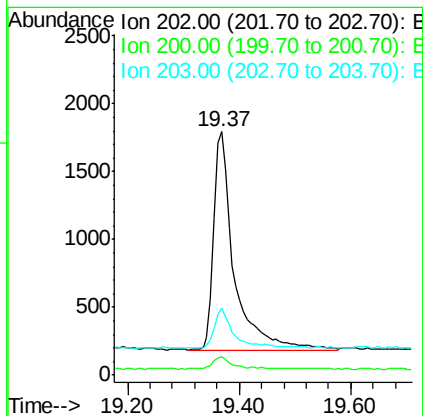
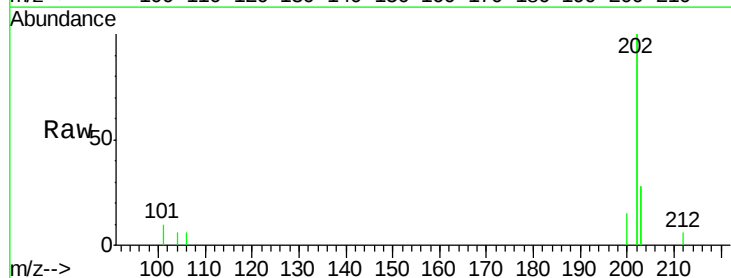
Instrument :
BNA_E
ClientSampleId :

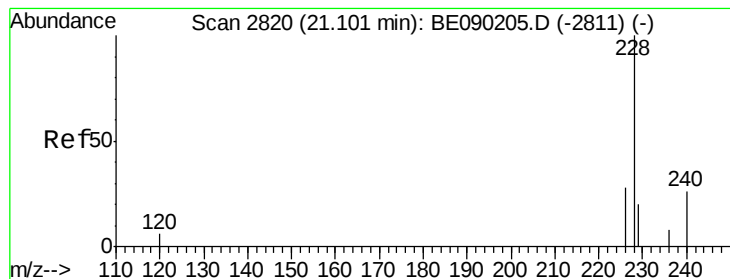
Tot Ion:202 Resp: 4082
Ion Ratio Lower Upper
202 100
101 5.0 0.0 23.0
203 26.6 0.0 37.8



#17
Pyrene
Concen: 0.11 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

Tgt Ion:202 Resp: 4081
Ion Ratio Lower Upper
202 100
200 7.4 4.4 6.6#
203 27.6 14.6 22.0#





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampled :

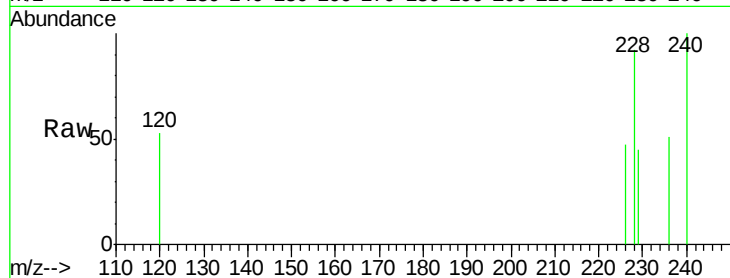
Tot Ion:228 Resp: 177

Ion Ratio Lower Upper

228 100

226 51.4 24.1 36.1#

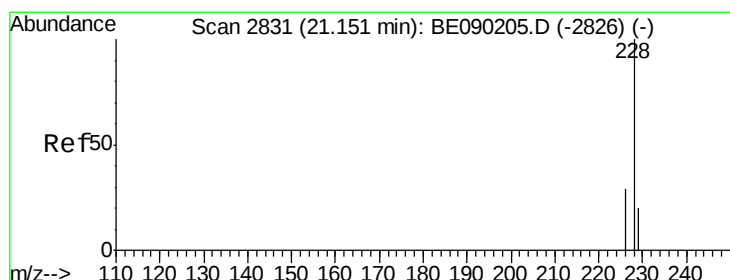
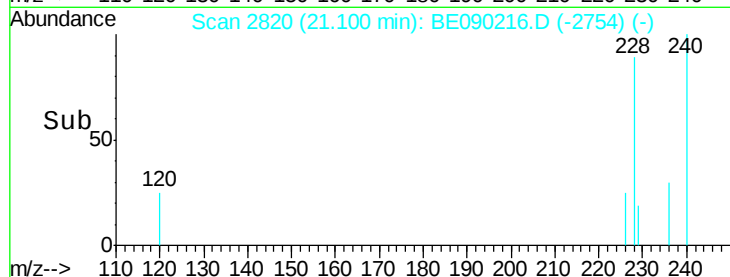
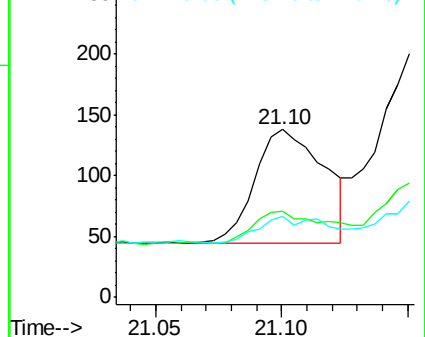
229 48.6 17.9 26.9#



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: 0.05 ng/ul

RT: 21.16 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

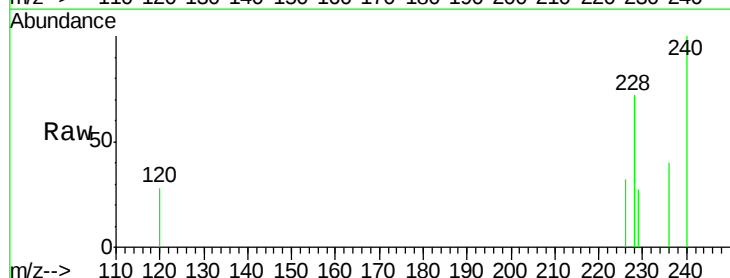
Tgt Ion:228 Resp: 433

Ion Ratio Lower Upper

228 100

226 44.4 24.6 36.8#

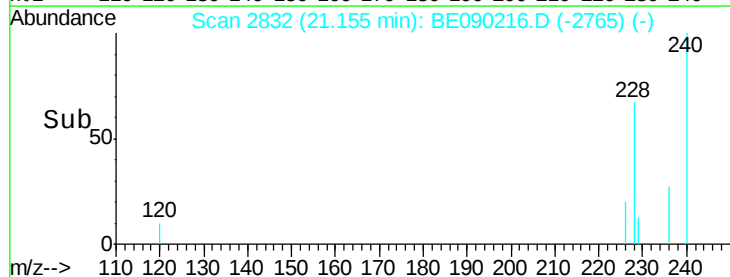
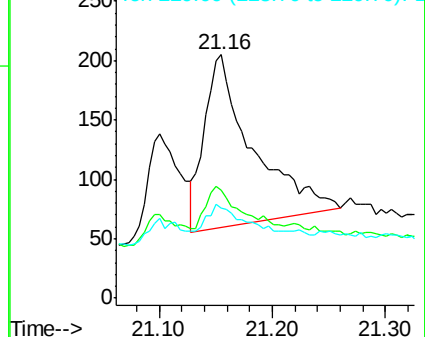
229 37.1 17.4 26.2#

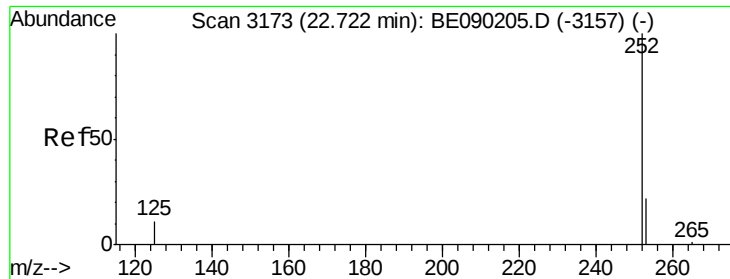


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.08 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampleId :

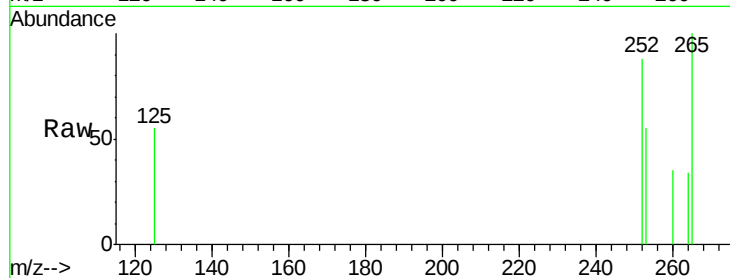
Tot Ion:252 Resp: 116

Ion Ratio Lower Upper

252 100

253 63.4 0.0 56.8#

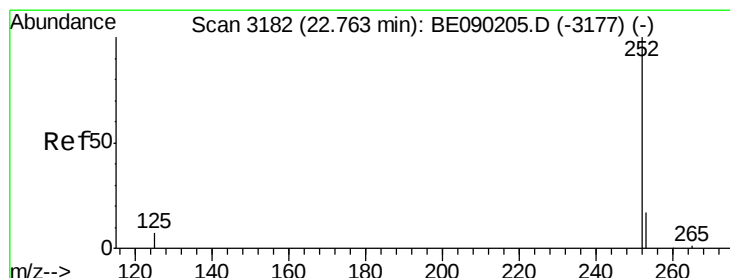
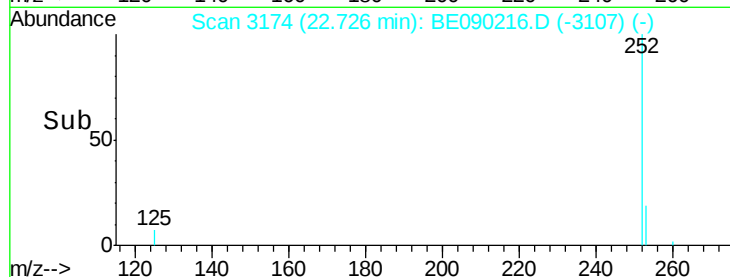
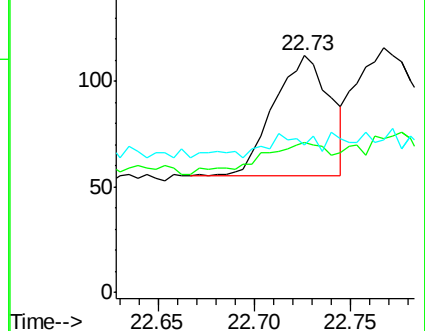
125 62.5 0.0 37.0#



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: 0.02 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

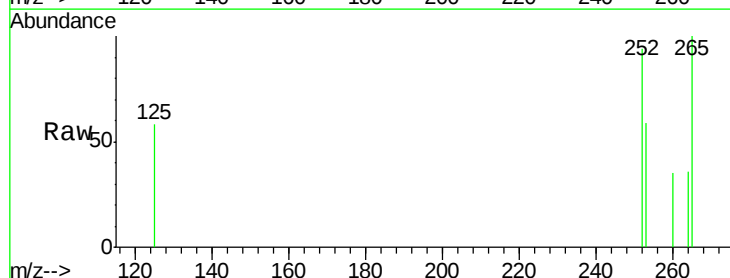
Tgt Ion:252 Resp: 88

Ion Ratio Lower Upper

252 100

253 62.9 19.5 29.3#

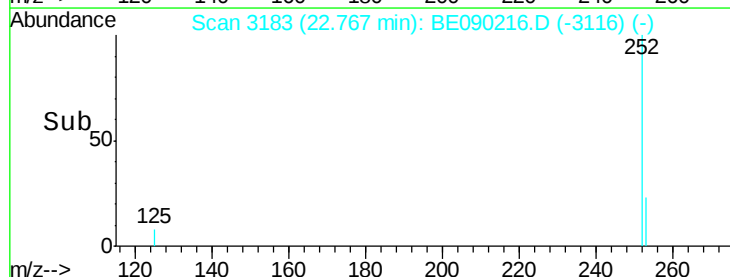
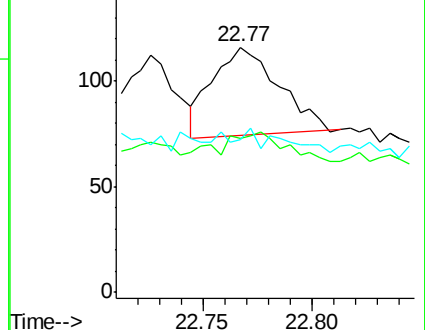
125 62.1 11.9 17.9#

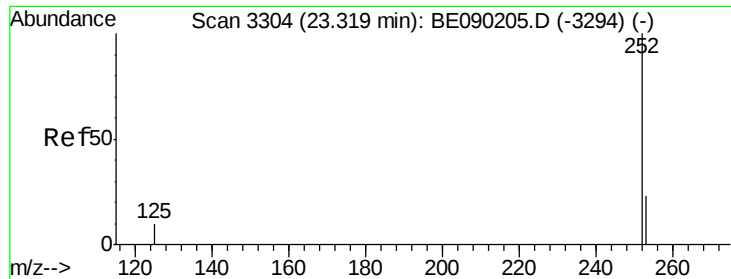


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

Instrument :

BNA_E

ClientSampleId :

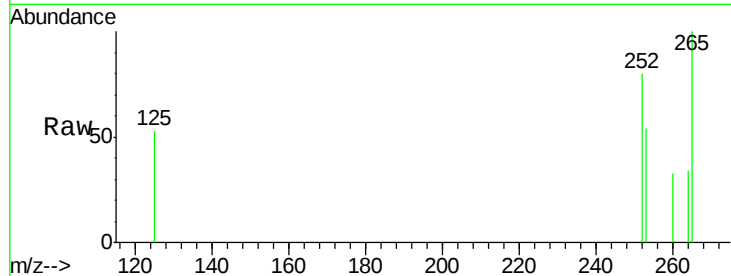
Tot Ion:252 Resp: 139

Ion Ratio Lower Upper

252 100

253 67.6 23.7 35.5#

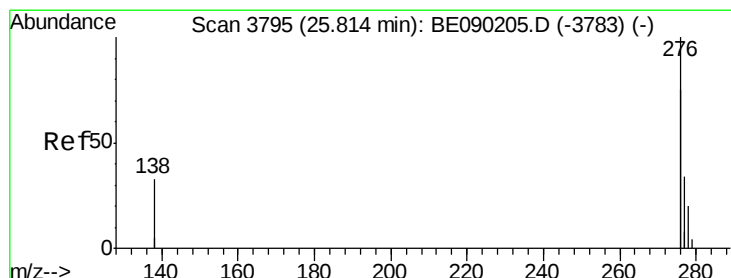
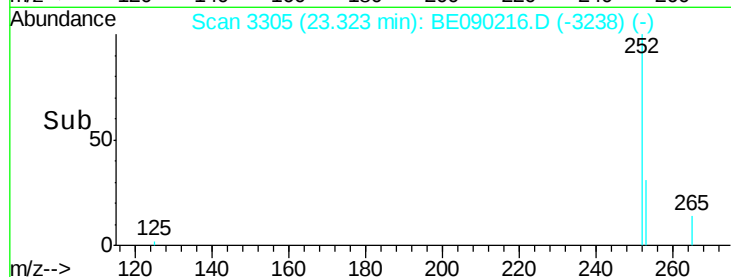
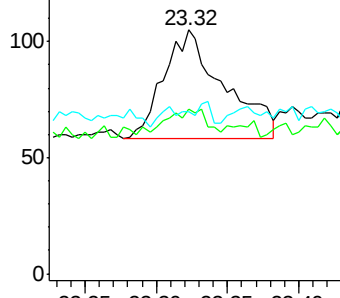
125 66.7 15.4 23.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090216.D

Acq: 22 Jul 2015 1:23

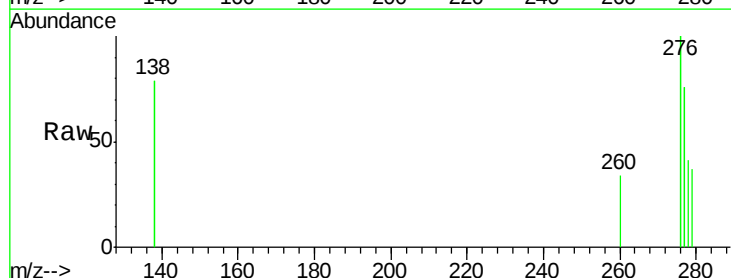
Tgt Ion:276 Resp: 402

Ion Ratio Lower Upper

276 100

138 18.9 16.9 25.3

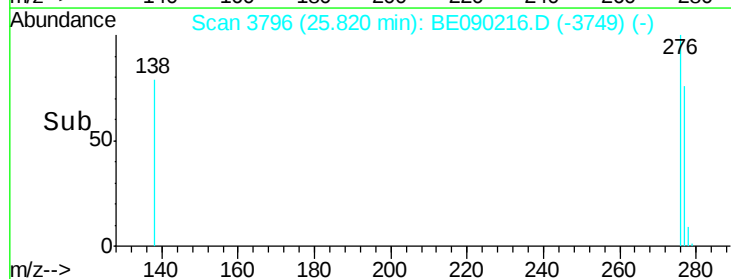
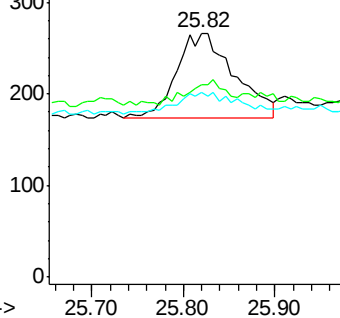
277 27.9 17.0 25.4#

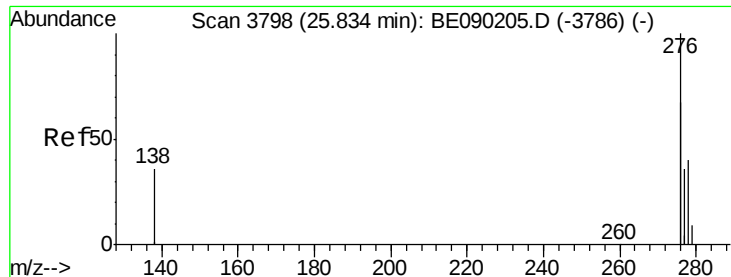


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

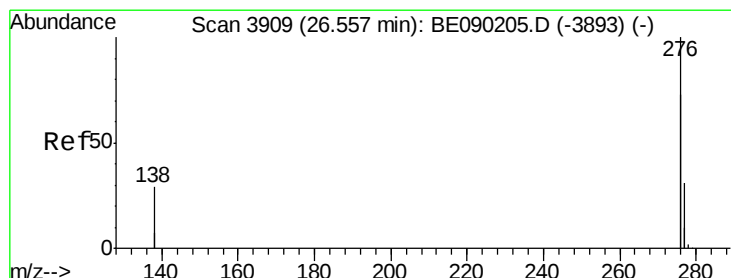
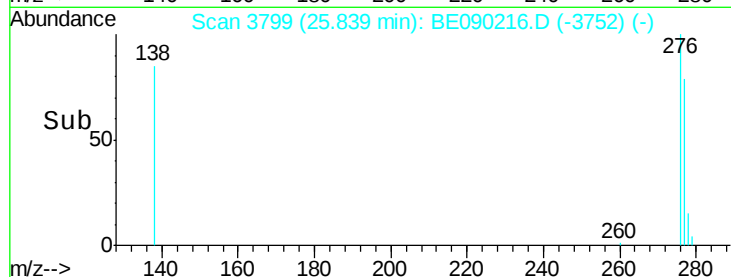
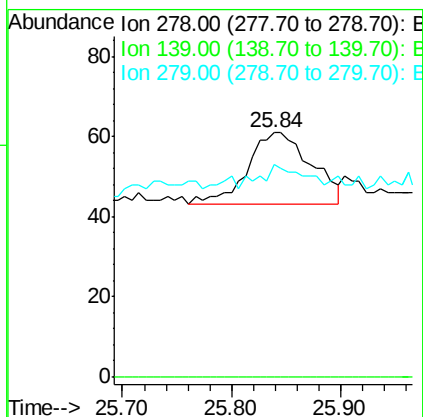
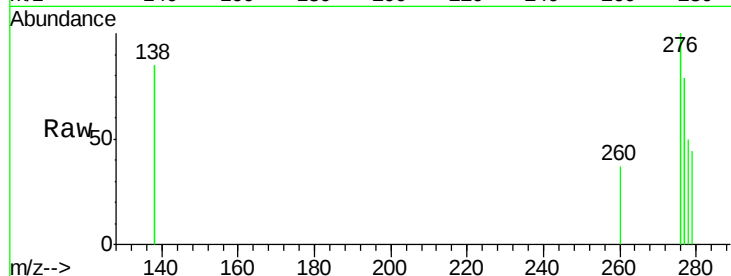




#25
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 73
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 86.9 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BE090216.D
Acq: 22 Jul 2015 1:23

Tgt Ion:276 Resp: 498
Ion Ratio Lower Upper
276 100
277 71.9 24.6 36.8#
138 74.0 23.5 35.3#

