

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090215.D
 Acq On : 22 Jul 2015 00:44
 Operator : TP/IZ
 Sample : MDL-06-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:58:24 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	7.60	152	646	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3202	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1919	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5125	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	2399	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1228	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	1745	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5072	0.35	ng/ul	0.00

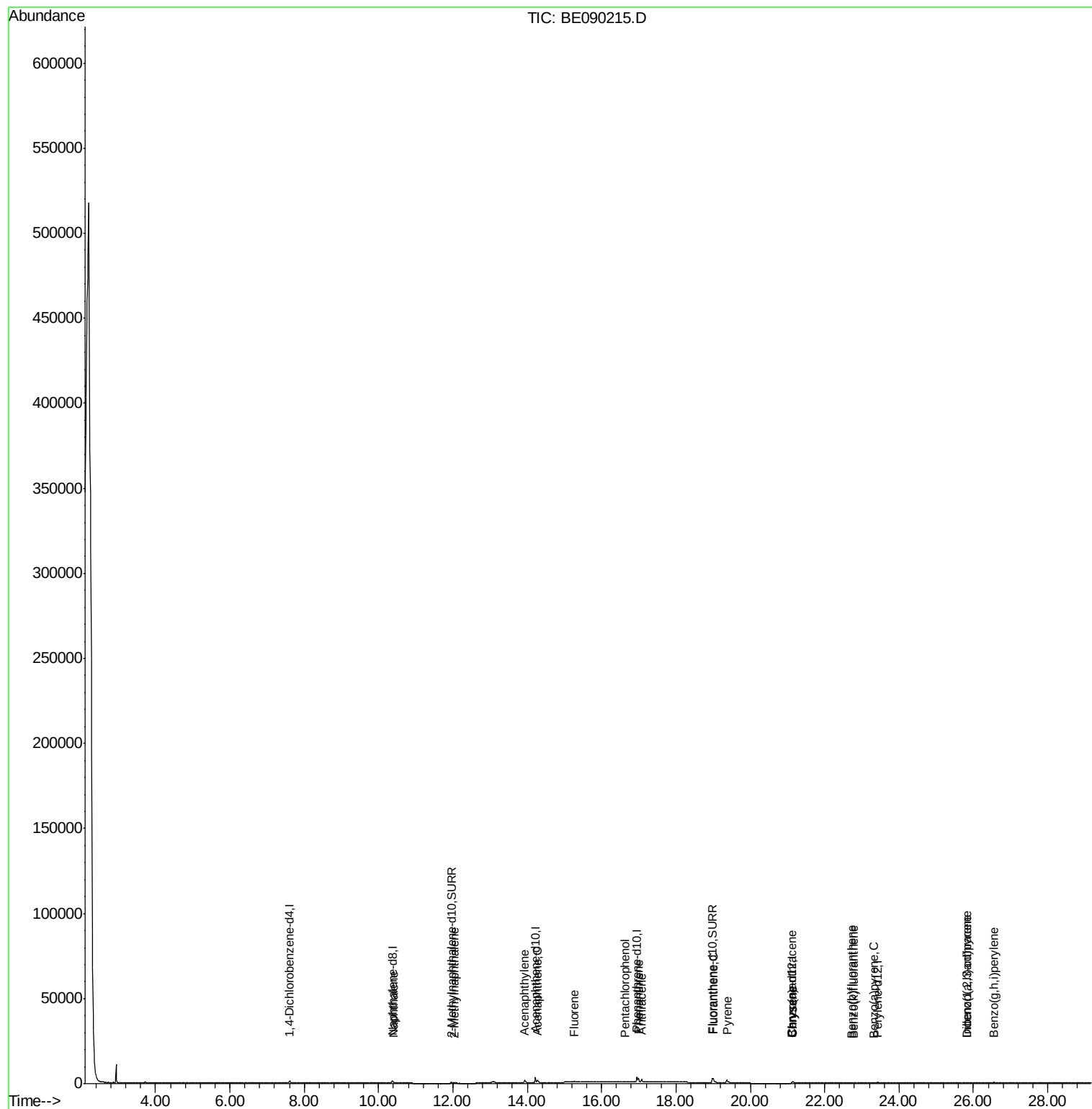
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	456	0.05	ng/ul#	65
5) 2-Methylnaphthalene	12.03	142	294	0.05	ng/ul	92
7) Acenaphthylene	13.93	152	2045	0.05	ng/ul#	75
8) Acenaphthene	14.27	153	1513	0.05	ng/ul	95
9) Fluorene	15.27	166	447	0.05	ng/ul#	93
11) Pentachlorophenol	16.62	266	2	0.01	ng/ul#	1
12) Phenanthrene	16.99	178	2979	0.05	ng/ul#	81
13) Anthracene	17.07	178	2925	0.05	ng/ul#	76
15) Fluoranthene	19.00	202	3303	0.05	ng/ul	80
17) Pyrene	19.37	202	3407	0.09	ng/ul#	81
18) Benzo(a)anthracene	21.10	228	178	0.05	ng/ul#	52
19) Chrysene	21.15	228	369	0.04	ng/ul#	72
21) Benzo(b)fluoranthene	22.73	252	102	0.06	ng/ul#	13
22) Benzo(k)fluoranthene	22.77	252	104	0.02	ng/ul#	13
23) Benzo(a)pyrene	23.32	252	121	0.05	ng/ul#	6
24) Indeno(1,2,3-cd)pyrene	25.82	276	352	0.05	ng/ul#	86
25) Dibenzo(a,h)anthracene	25.84	278	59	0.05	ng/ul#	26
26) Benzo(g,h,i)perylene	26.55	276	458	0.05	ng/ul#	20

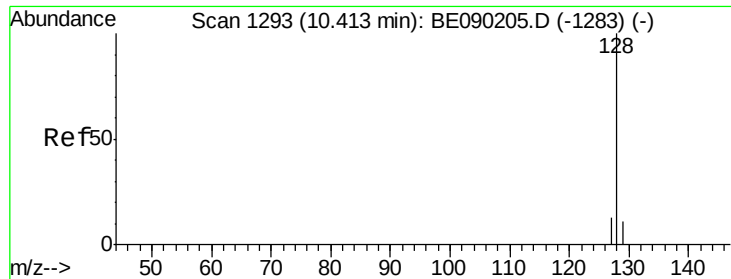
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

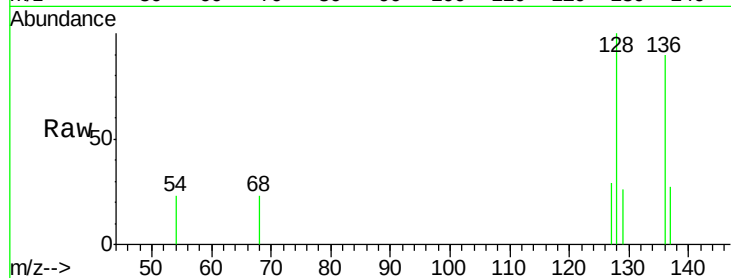
Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampled :



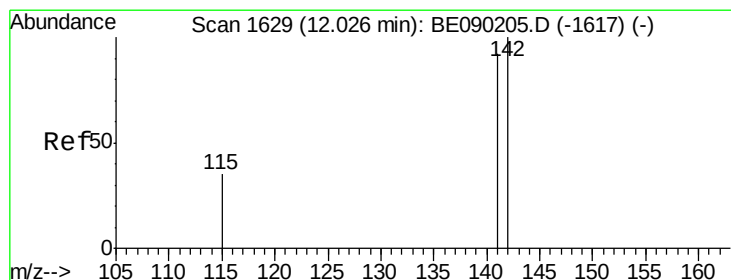
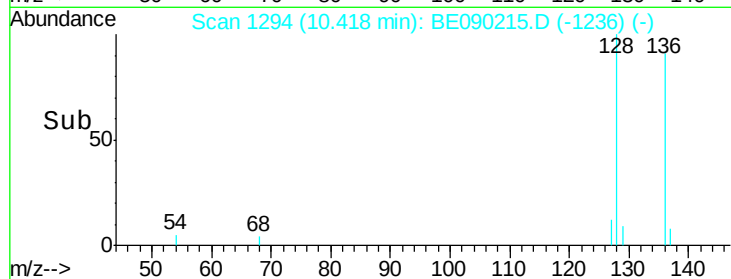
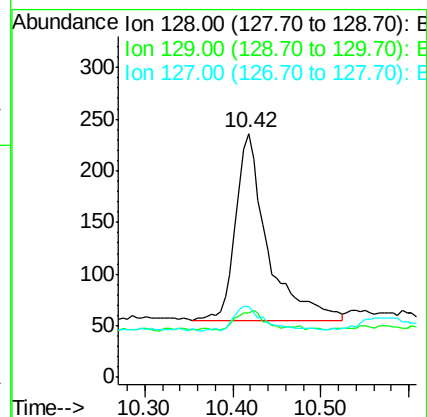
Tot Ion:128 Resp: 456

Ion Ratio Lower Upper

128 100

129 26.3 10.2 15.2#

127 29.2 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090215.D

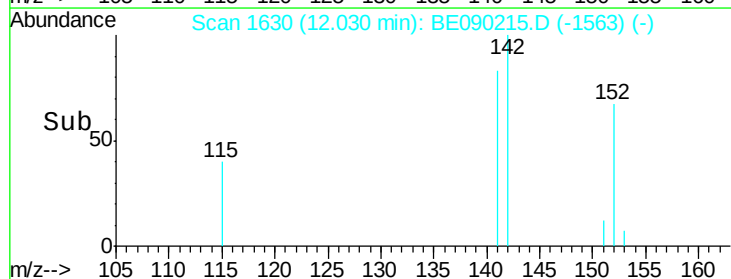
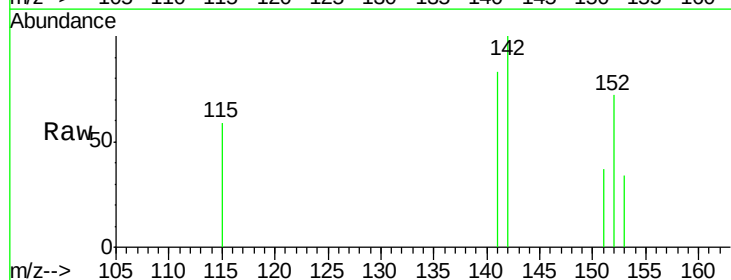
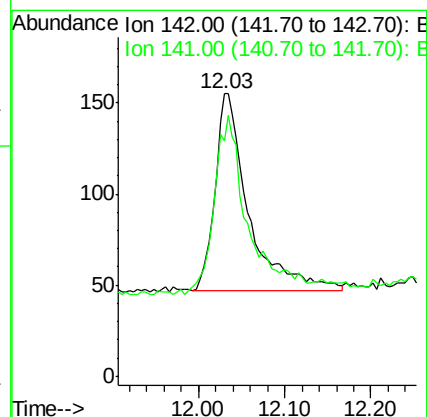
Acq: 22 Jul 2015 00:44

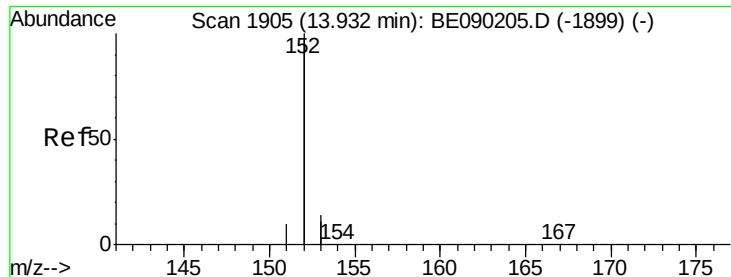
Tgt Ion:142 Resp: 294

Ion Ratio Lower Upper

142 100

141 84.0 73.0 109.6





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampleId :

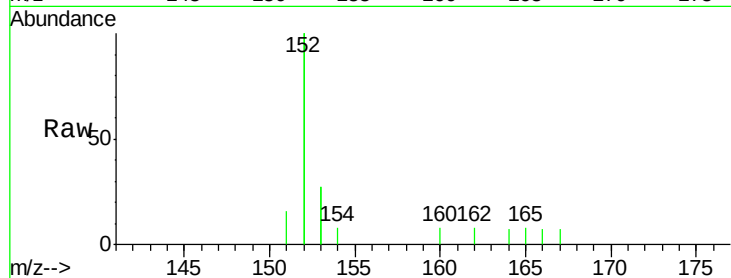
Tot Ion:152 Resp: 2045

Ion Ratio Lower Upper

152 100

151 7.9 4.2 6.4#

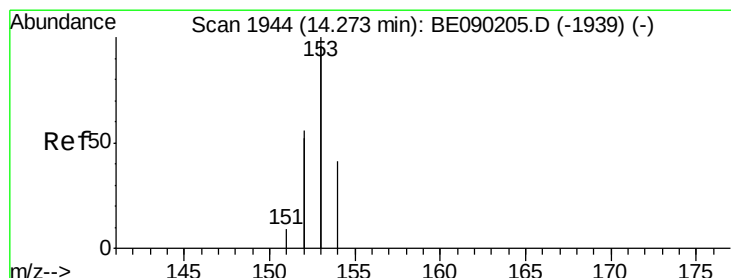
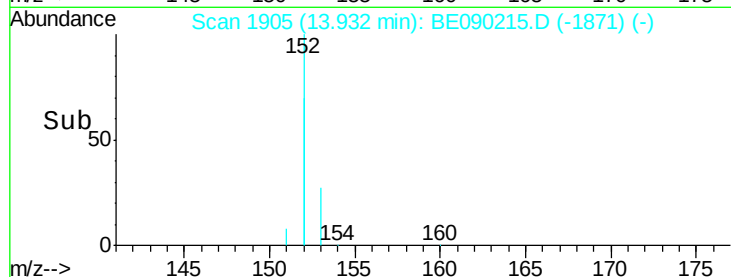
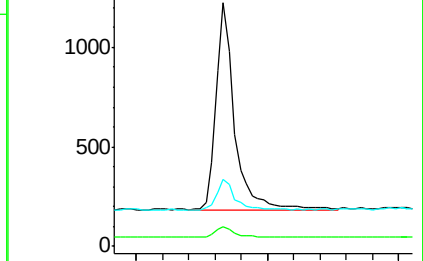
153 27.5 11.5 17.3#



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



#8

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

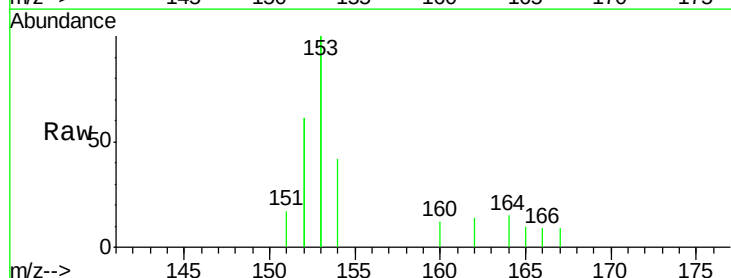
Tgt Ion:153 Resp: 1513

Ion Ratio Lower Upper

153 100

152 61.4 45.0 67.4

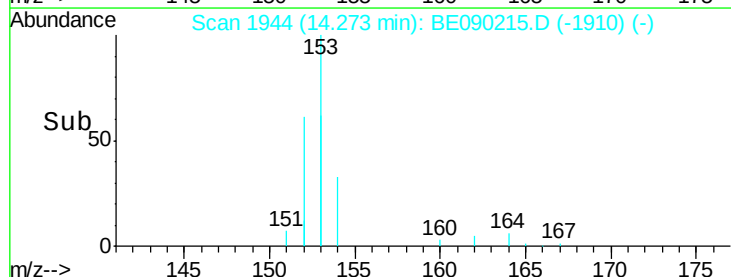
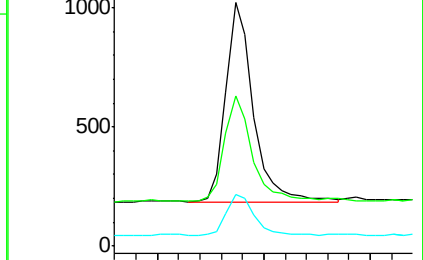
154 20.9 16.8 25.2

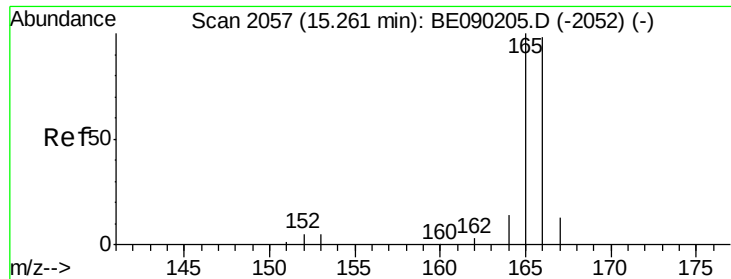


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampleId :

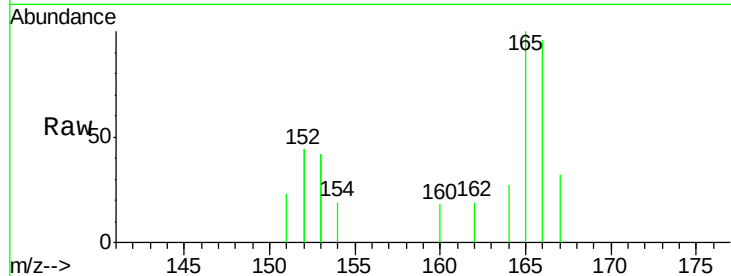
Tot Ion:166 Resp: 447

Ion Ratio Lower Upper

166 100

165 104.5 81.9 122.9

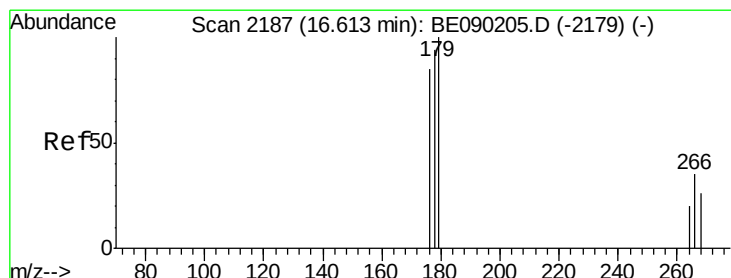
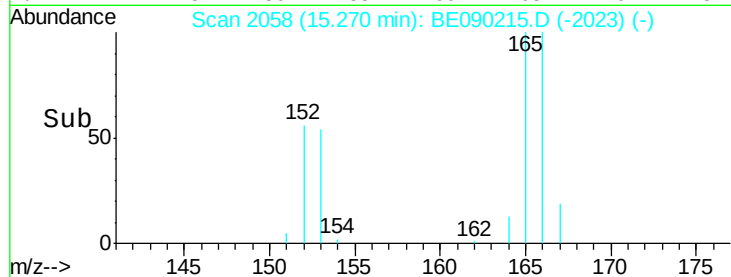
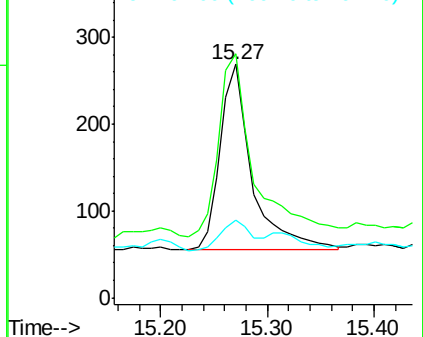
167 33.5 12.2 18.2#



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: 0.01 ng/ul

RT: 16.62 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

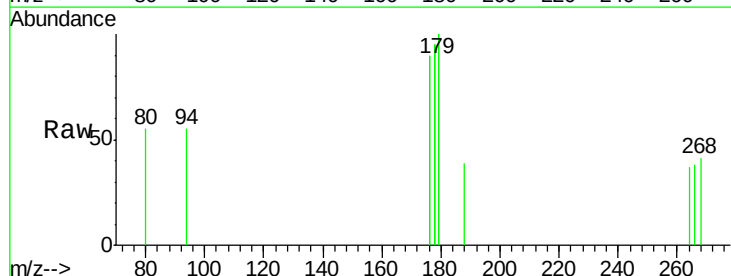
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 0.0 51.6 77.4#

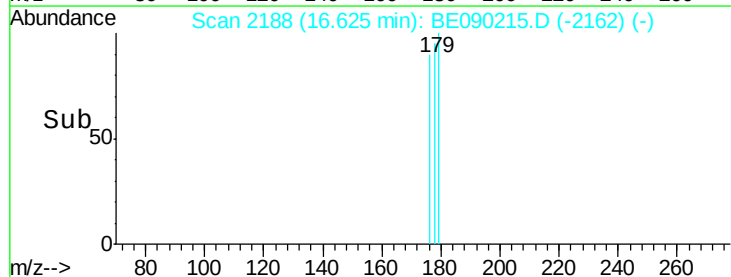
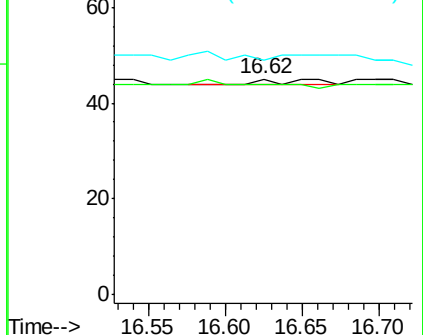
268 450.0 41.3 61.9#

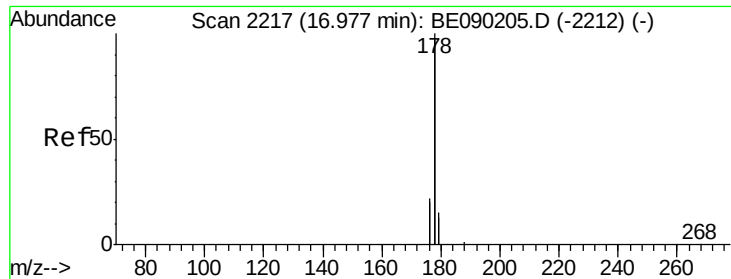


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampleId :

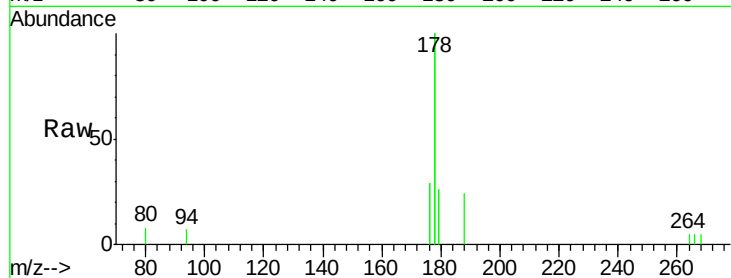
Tot Ion:178 Resp: 2979

Ion Ratio Lower Upper

178 100

176 28.7 17.6 26.4#

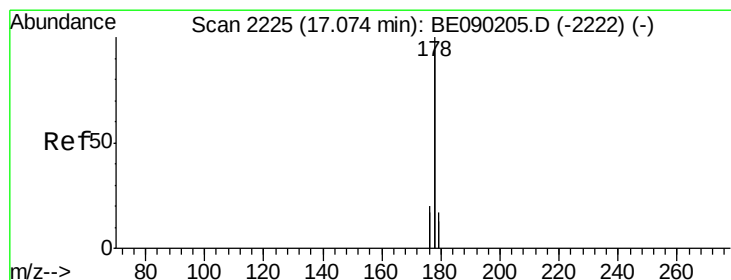
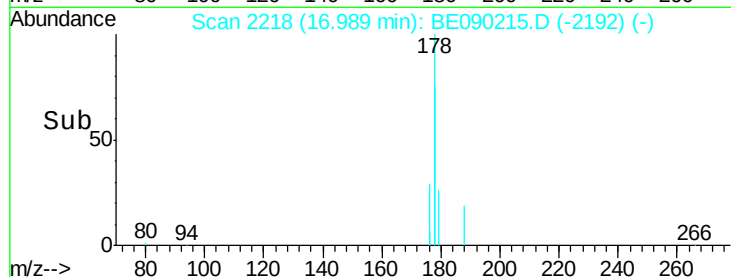
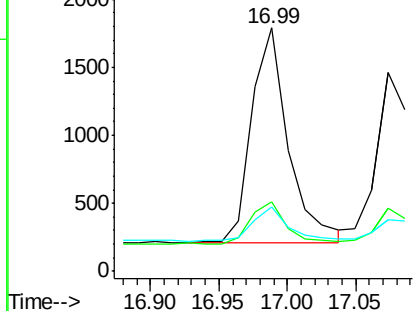
179 26.4 12.2 18.4#



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



#13

Anthracene

Concen: 0.05 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

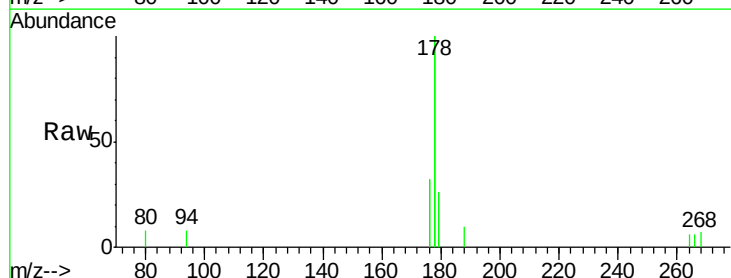
Tgt Ion:178 Resp: 2925

Ion Ratio Lower Upper

178 100

176 31.7 15.9 23.9#

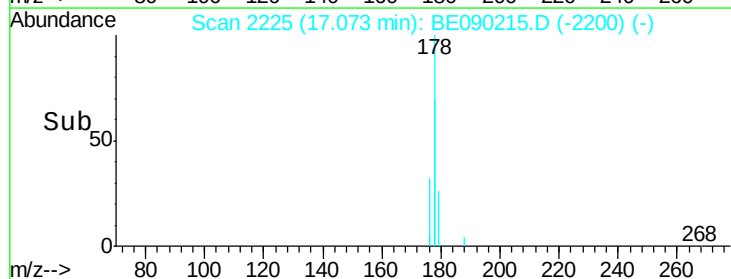
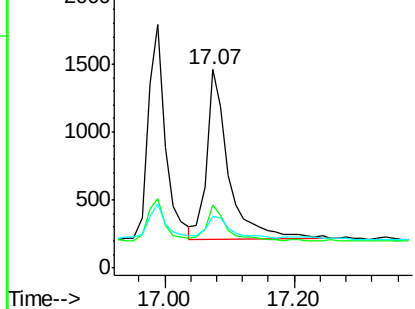
179 25.8 13.3 19.9#

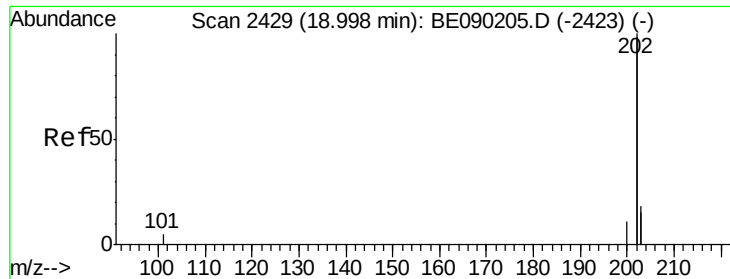


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.00 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampleId :

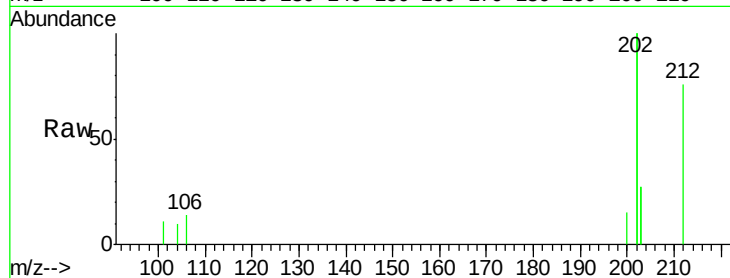
Tot Ion:202 Resp: 3303

Ion Ratio Lower Upper

202 100

101 5.3 0.0 23.0

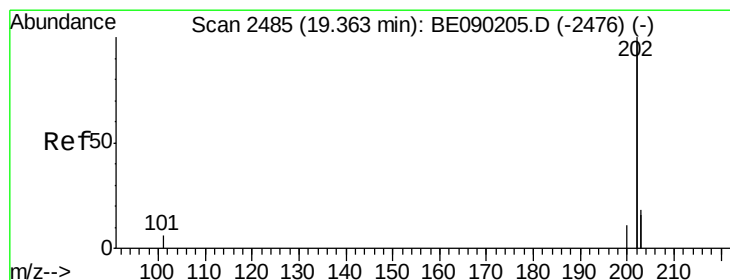
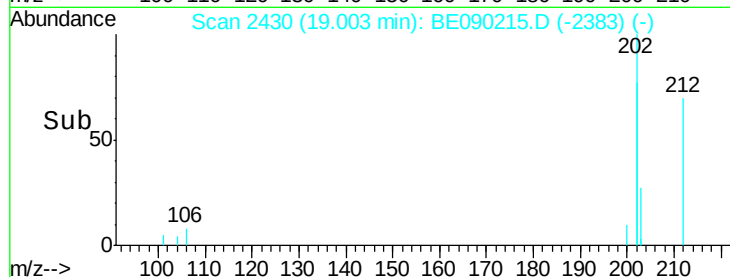
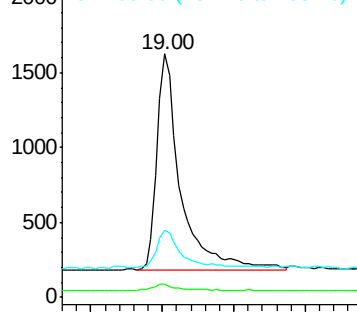
203 27.4 0.0 37.8



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: 0.09 ng/ul

RT: 19.37 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

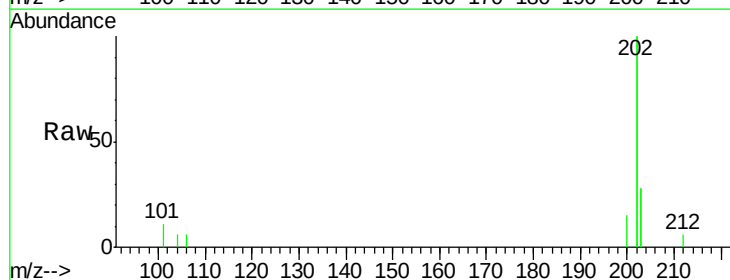
Tgt Ion:202 Resp: 3407

Ion Ratio Lower Upper

202 100

200 7.6 4.4 6.6#

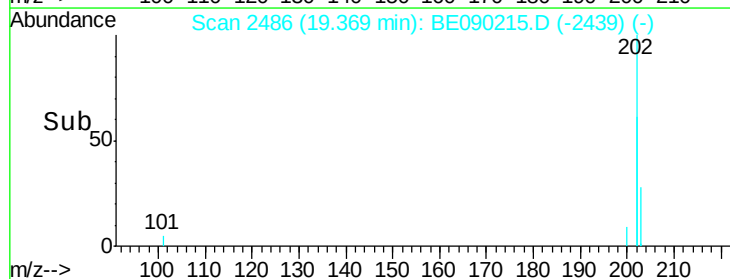
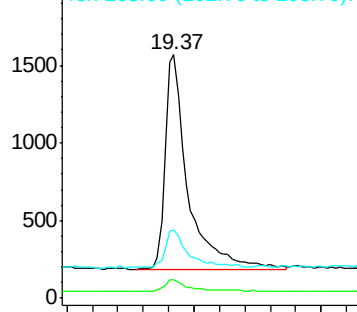
203 28.2 14.6 22.0#

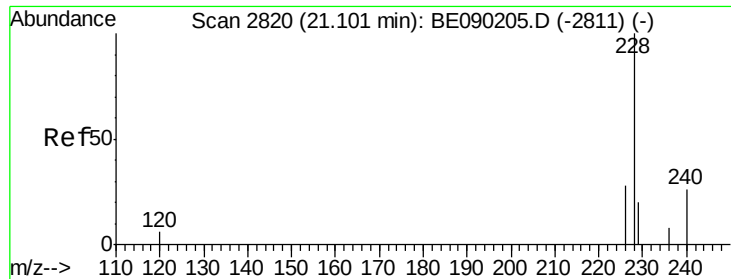


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampled :

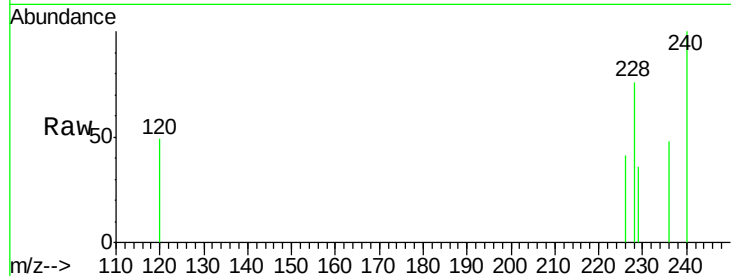
Tot Ion:228 Resp: 178

Ion Ratio Lower Upper

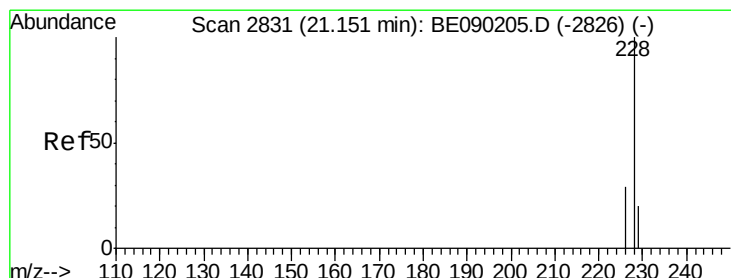
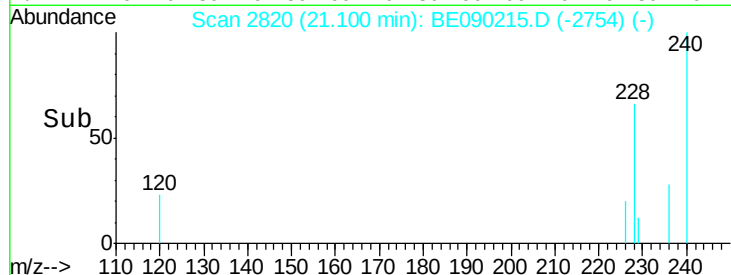
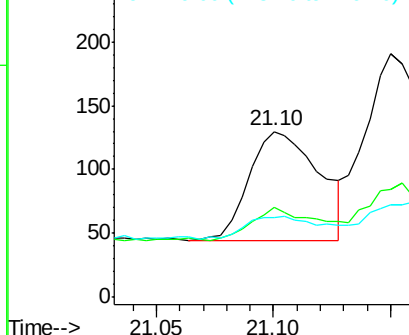
228 100

226 53.8 24.1 36.1#

229 47.7 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: 0.04 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

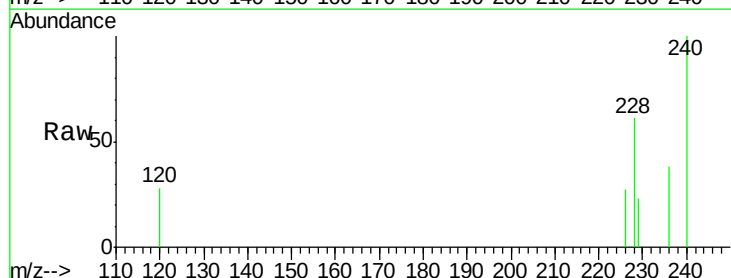
Tgt Ion:228 Resp: 369

Ion Ratio Lower Upper

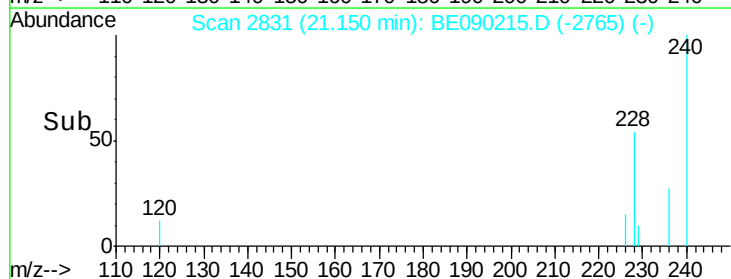
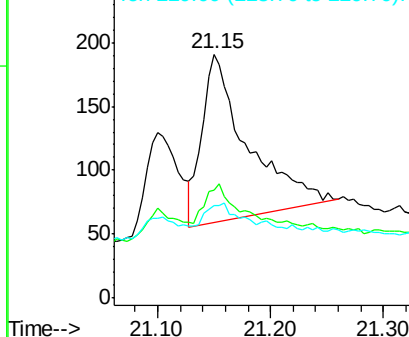
228 100

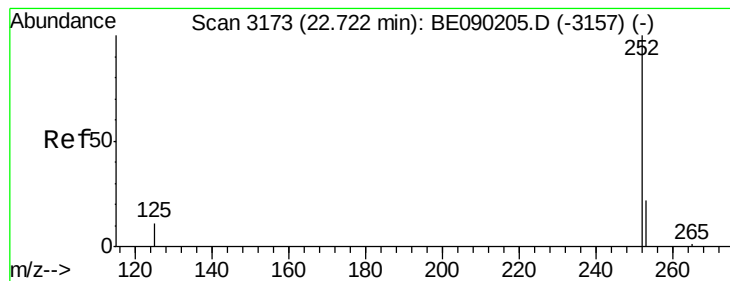
226 44.0 24.6 36.8#

229 37.7 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: 0.06 ng/ul

RT: 22.73 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampleId :

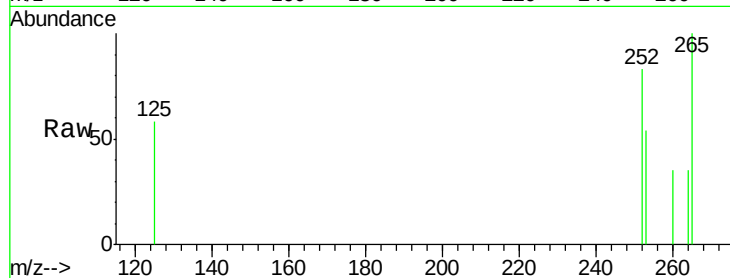
Tot Ion:252 Resp: 102

Ion Ratio Lower Upper

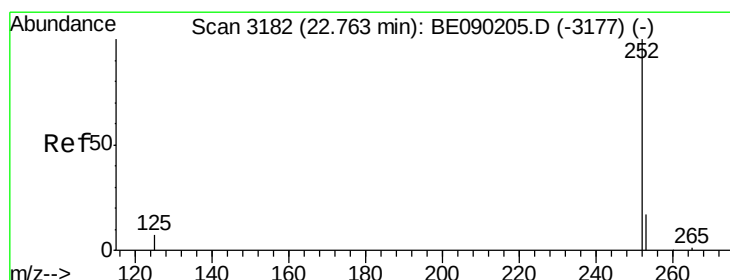
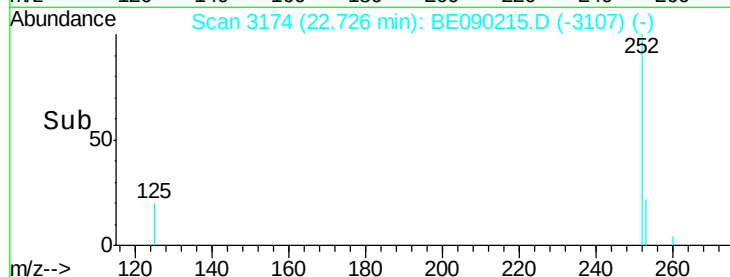
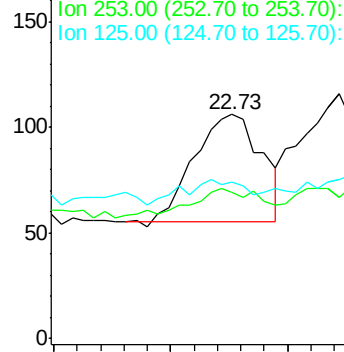
252 100

253 65.1 0.0 56.8#

125 69.8 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# 3184

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

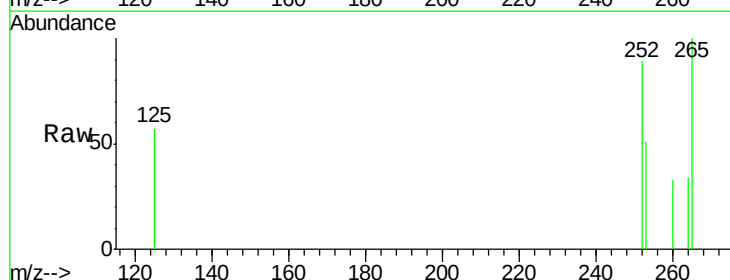
Tgt Ion:252 Resp: 104

Ion Ratio Lower Upper

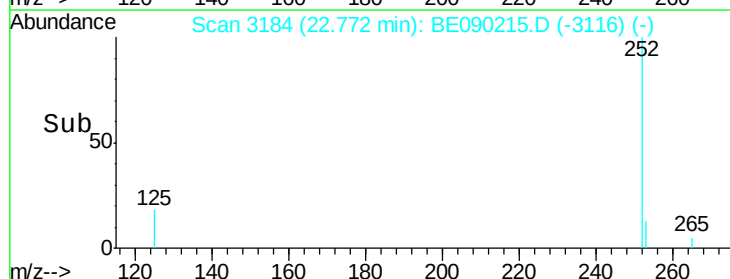
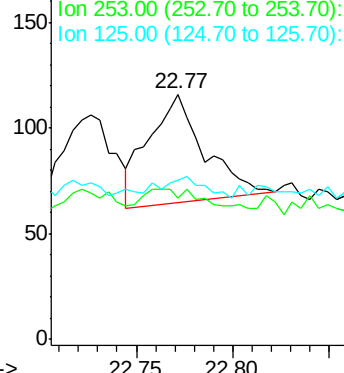
252 100

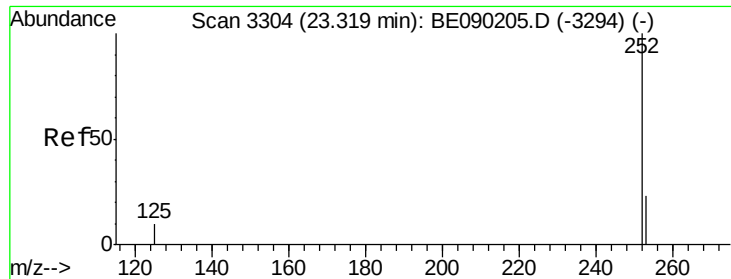
253 57.8 19.5 29.3#

125 64.7 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





#23

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

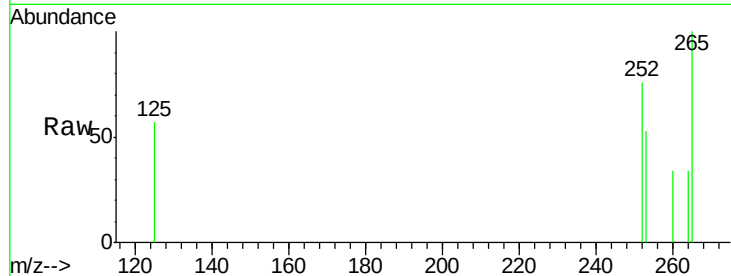
Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

Instrument :

BNA_E

ClientSampled :



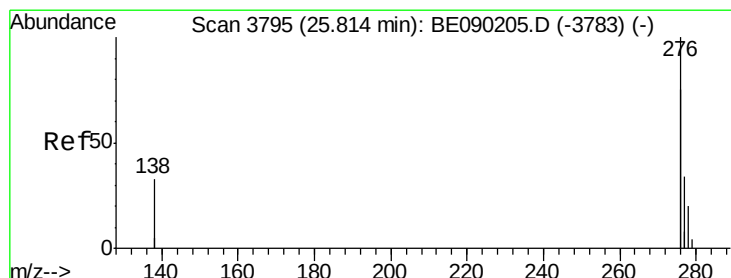
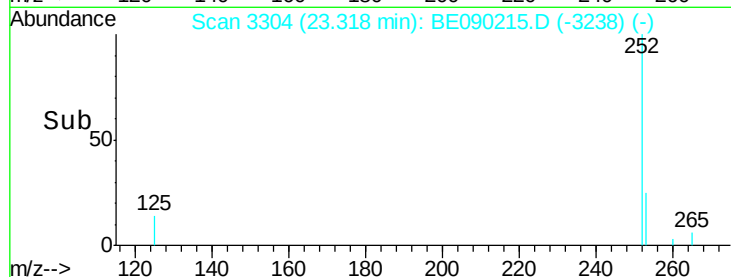
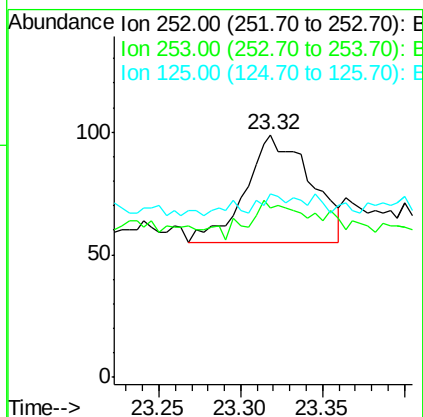
Tot Ion:252 Resp: 121

Ion Ratio Lower Upper

252 100

253 69.7 23.7 35.5#

125 75.8 15.4 23.2#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090215.D

Acq: 22 Jul 2015 00:44

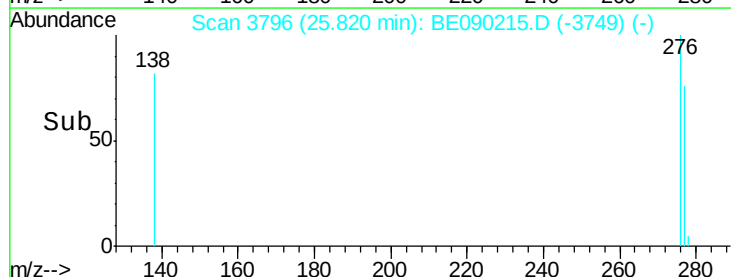
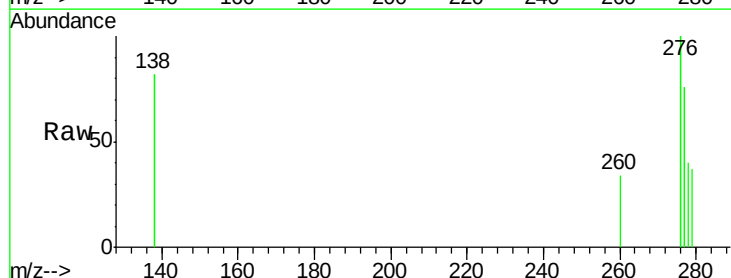
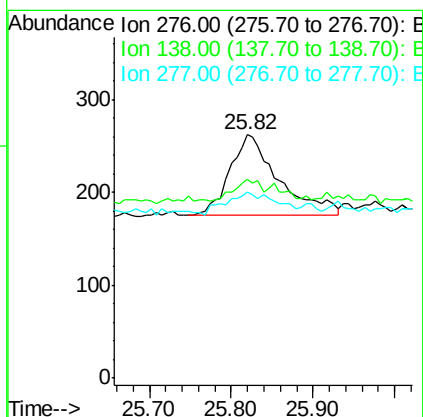
Tgt Ion:276 Resp: 352

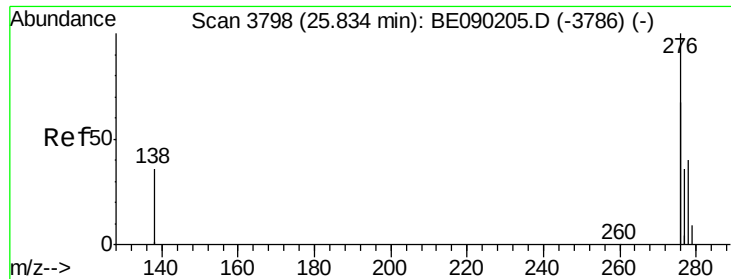
Ion Ratio Lower Upper

276 100

138 15.1 16.9 25.3#

277 28.7 17.0 25.4#

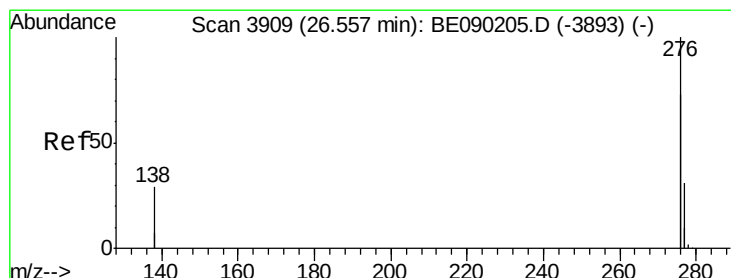
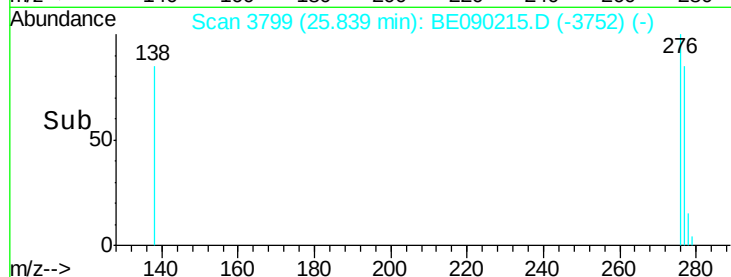
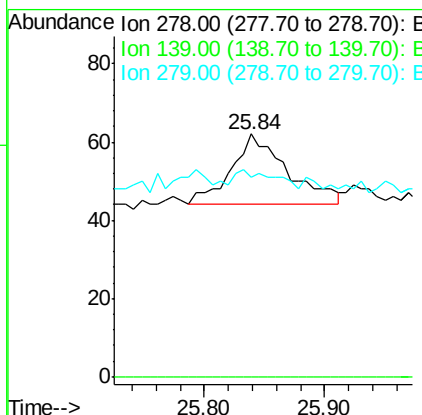
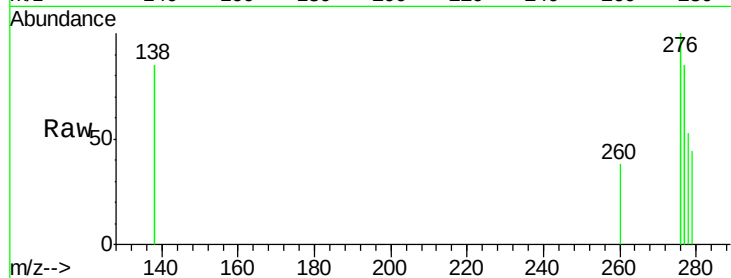




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090215.D
Acq: 22 Jul 2015 00:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 59
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 82.3 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BE090215.D
Acq: 22 Jul 2015 00:44

Tgt Ion:276 Resp: 458
Ion Ratio Lower Upper
276 100
277 71.8 24.6 36.8#
138 75.4 23.5 35.3#

