

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090210.D
 Acq On : 21 Jul 2015 21:39
 Operator : TP/IZ
 Sample : MDL-01-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:57:39 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	802	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3984	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2373	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6426	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4232	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2619	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2596	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	7853	0.43	ng/ul	0.00

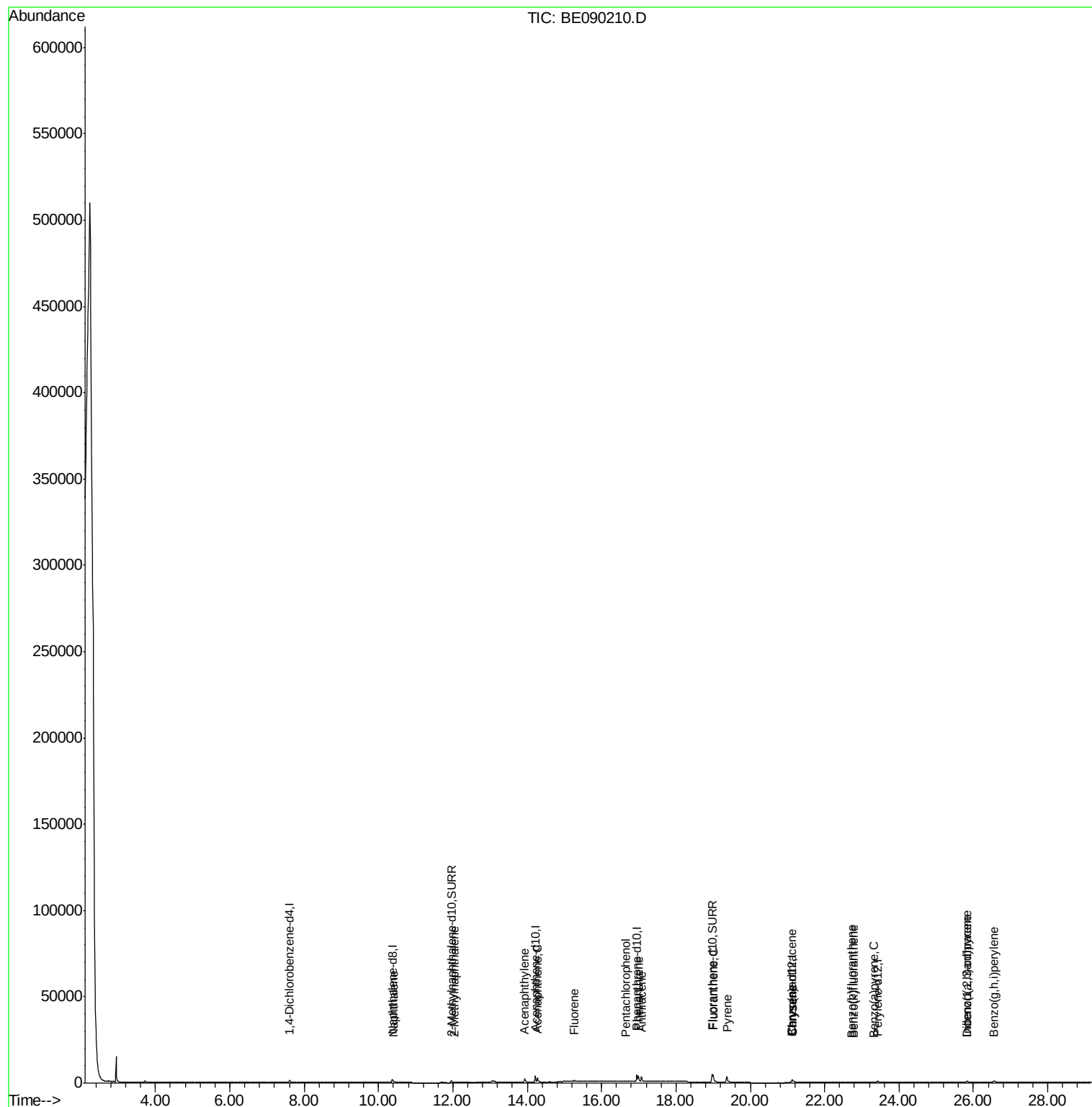
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	643	0.06	ng/ul#	74
5) 2-Methylnaphthalene	12.03	142	443	0.06	ng/ul	95
7) Acenaphthylene	13.93	152	3102	0.06	ng/ul#	85
8) Acenaphthene	14.27	153	2193	0.06	ng/ul	94
9) Fluorene	15.27	166	712	0.07	ng/ul#	96
11) Pentachlorophenol	16.65	266	6	0.02	ng/ul#	1
12) Phenanthrene	16.99	178	4613	0.06	ng/ul#	89
13) Anthracene	17.07	178	4574	0.06	ng/ul#	85
15) Fluoranthene	19.00	202	5588	0.07	ng/ul	91
17) Pyrene	19.37	202	5553	0.08	ng/ul#	91
18) Benzo(a)anthracene	21.10	228	338	0.05	ng/ul#	77
19) Chrysene	21.15	228	859	0.05	ng/ul#	83
21) Benzo(b)fluoranthene	22.72	252	191	0.06	ng/ul#	37
22) Benzo(k)fluoranthene	22.77	252	245	0.02	ng/ul#	36
23) Benzo(a)pyrene	23.32	252	228	0.04	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	25.83	276	741	0.05	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.84	278	125	0.05	ng/ul#	40
26) Benzo(g,h,i)perylene	26.55	276	1063	0.05	ng/ul#	43

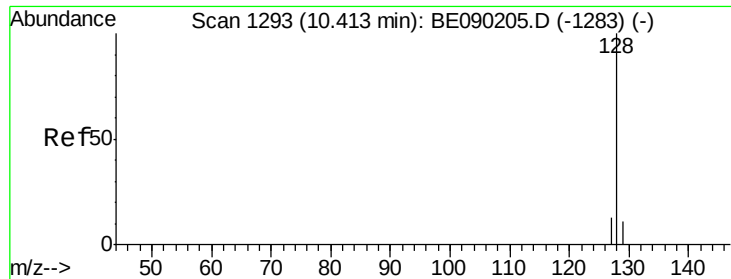
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

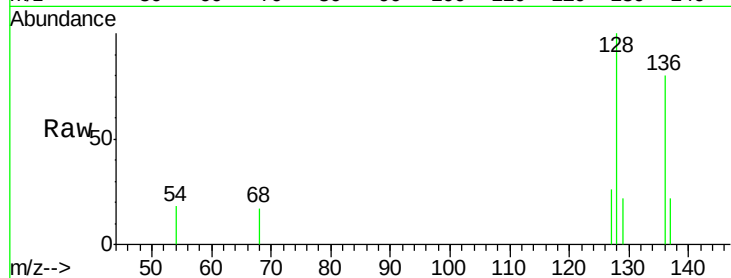
Tot Ion:128 Resp: 643

Ion Ratio Lower Upper

128 100

129 22.5 10.2 15.2#

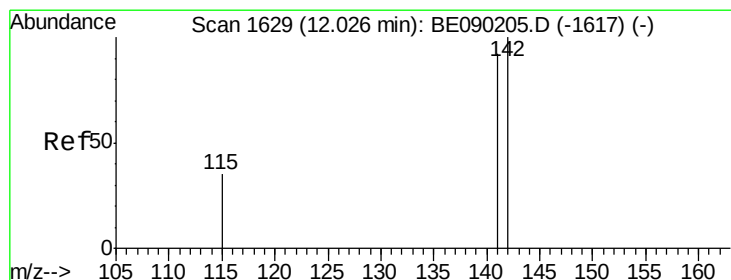
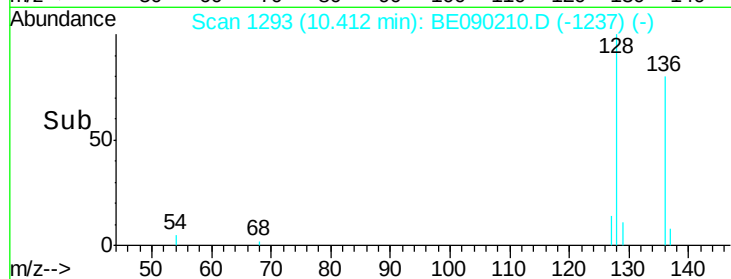
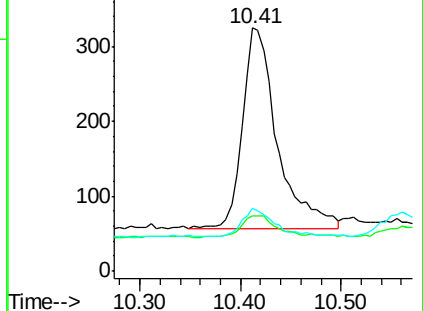
127 25.8 11.8 17.6#



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: 0.06 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090210.D

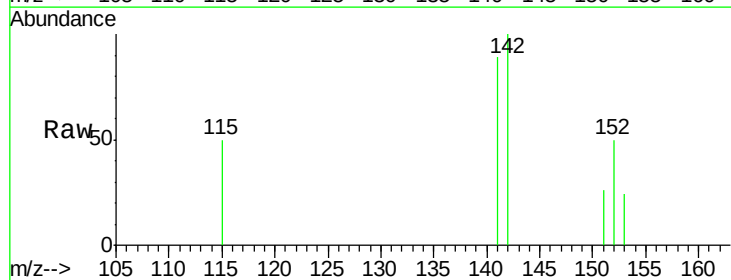
Acq: 21 Jul 2015 21:39

Tgt Ion:142 Resp: 443

Ion Ratio Lower Upper

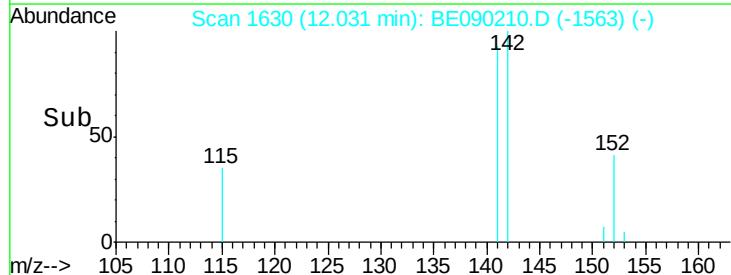
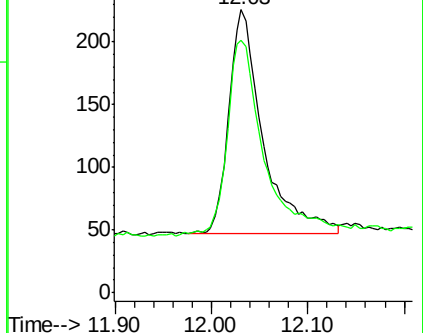
142 100

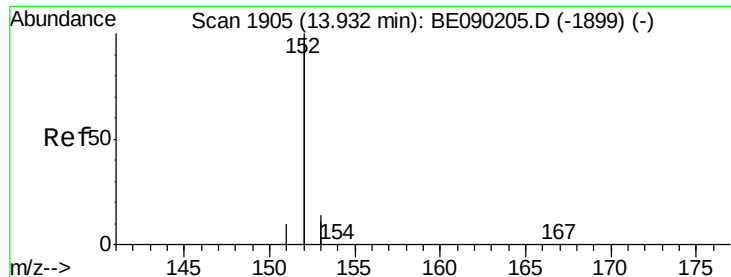
141 96.2 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

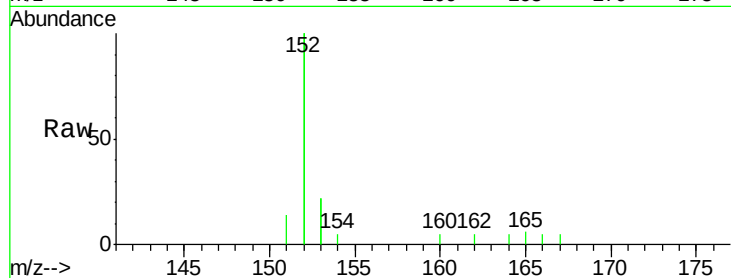
Tot Ion:152 Resp: 3102

Ion Ratio Lower Upper

152 100

151 7.2 4.2 6.4#

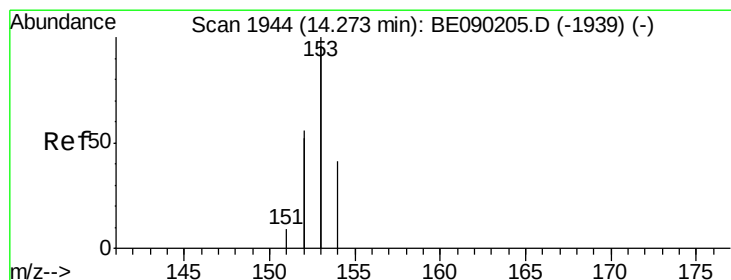
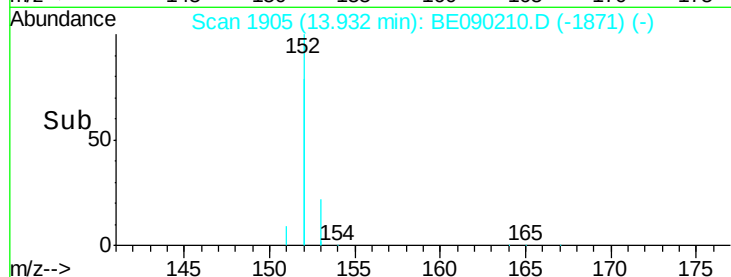
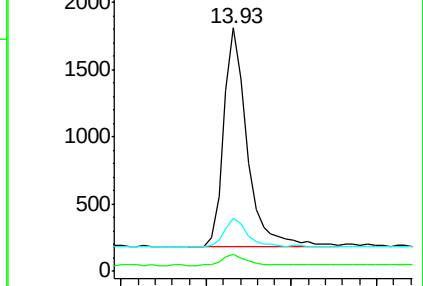
153 22.0 11.5 17.3#



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



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

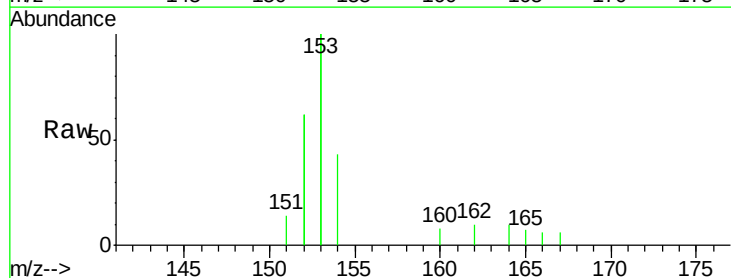
Tgt Ion:153 Resp: 2193

Ion Ratio Lower Upper

153 100

152 61.9 45.0 67.4

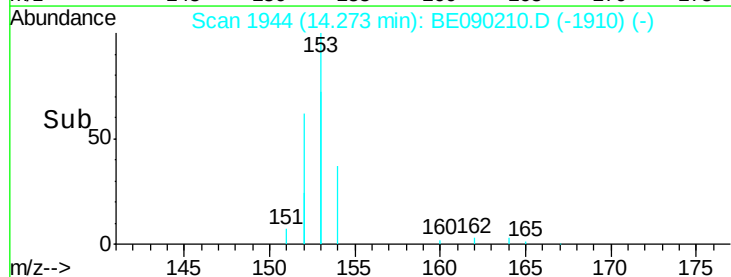
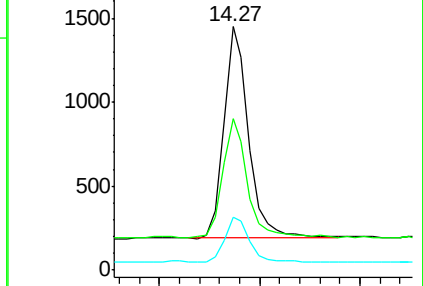
154 21.6 16.8 25.2

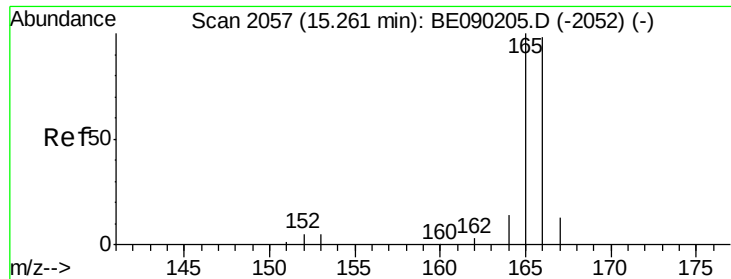


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

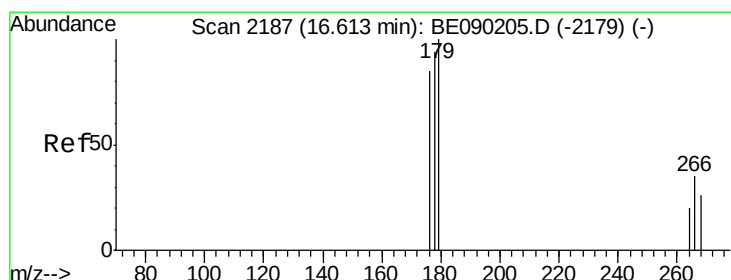
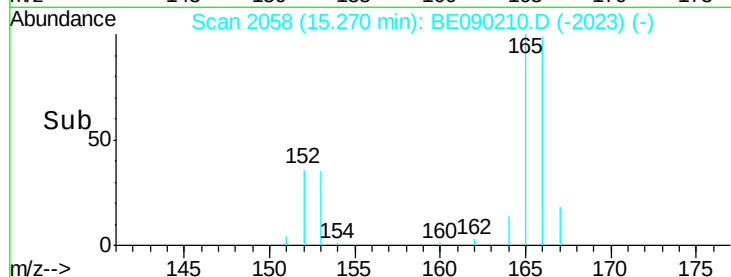
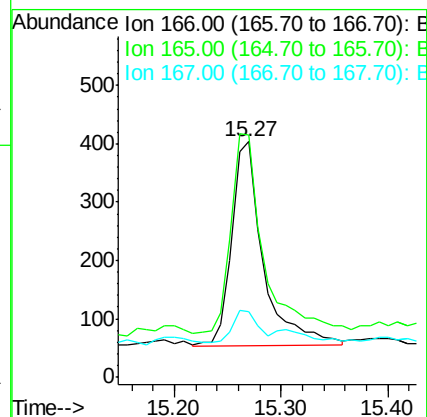
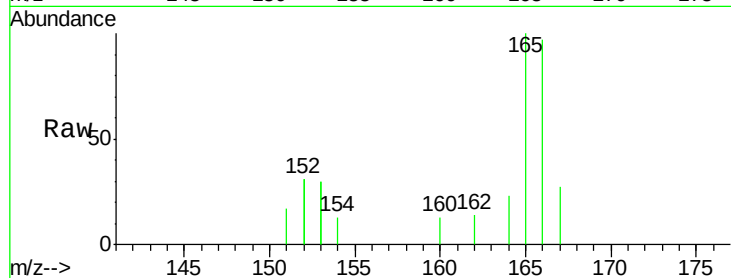
Tot Ion:166 Resp: 712

Ion Ratio Lower Upper

166 100

165 103.0 81.9 122.9

167 28.0 12.2 18.2#



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.65 min Scan# 2190

Delta R.T. 0.04 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

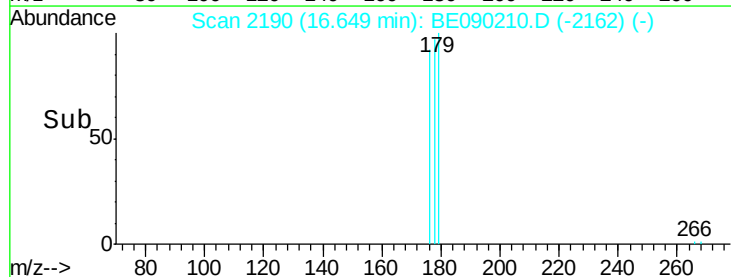
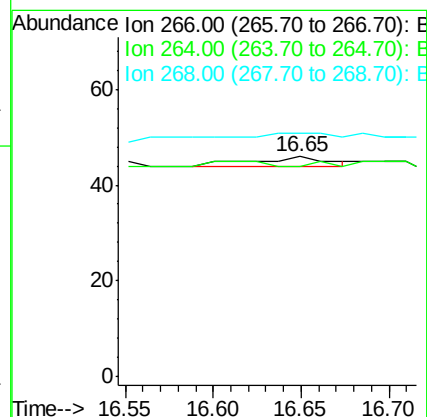
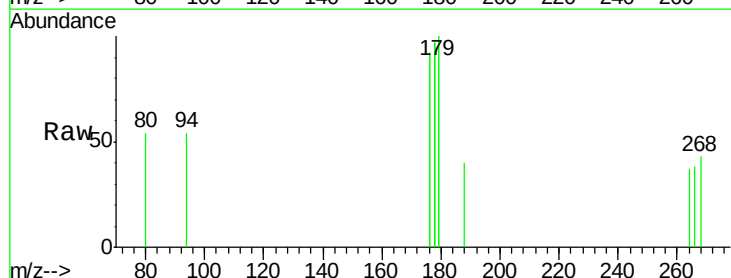
Tgt Ion:266 Resp: 6

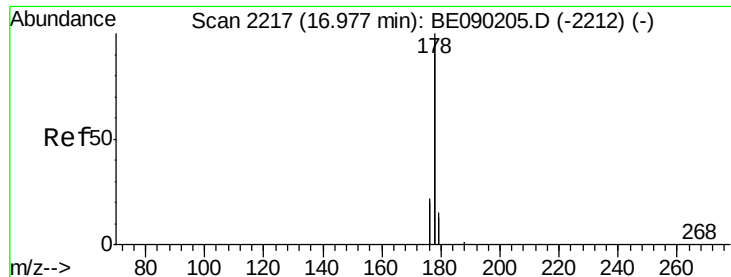
Ion Ratio Lower Upper

266 100

264 0.0 51.6 77.4#

268 166.7 41.3 61.9#





#12

Phenanthrene

Concen: 0.06 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

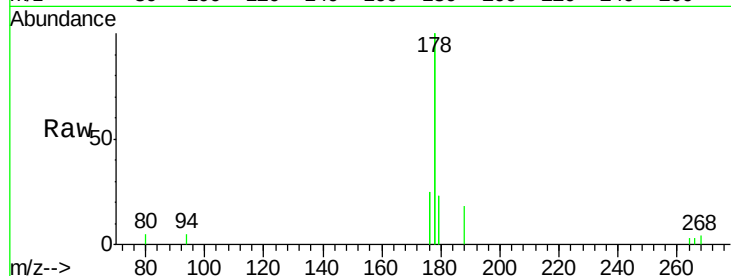
Tot Ion:178 Resp: 4613

Ion Ratio Lower Upper

178 100

176 24.8 17.6 26.4

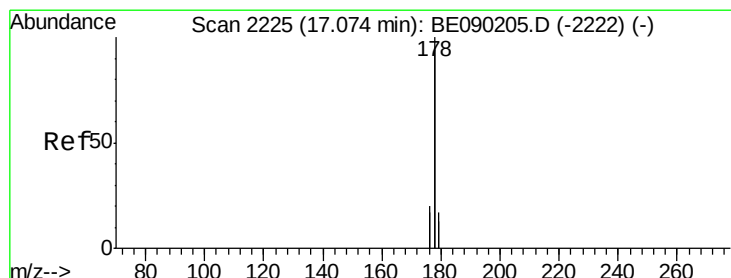
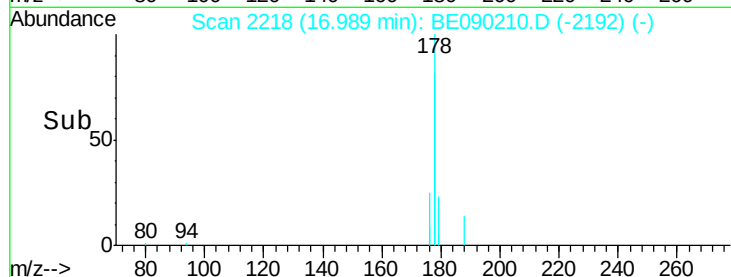
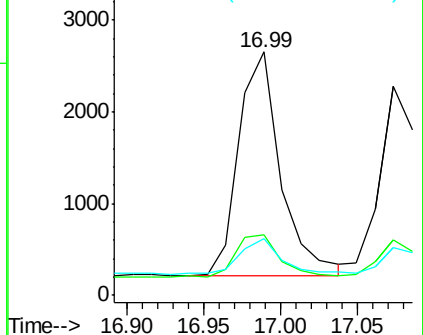
179 23.0 12.2 18.4#



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: 0.06 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

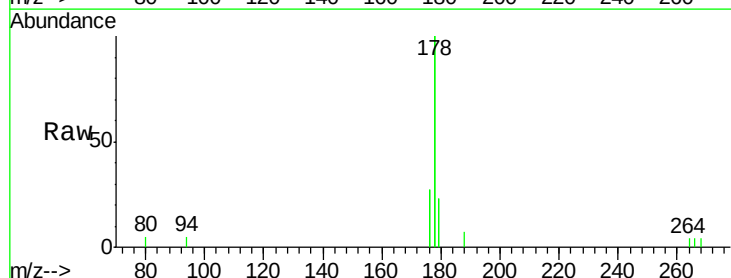
Tgt Ion:178 Resp: 4574

Ion Ratio Lower Upper

178 100

176 26.8 15.9 23.9#

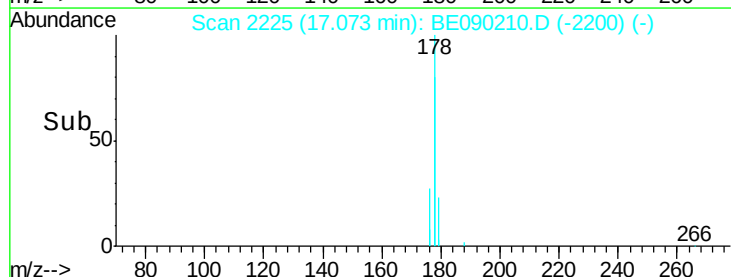
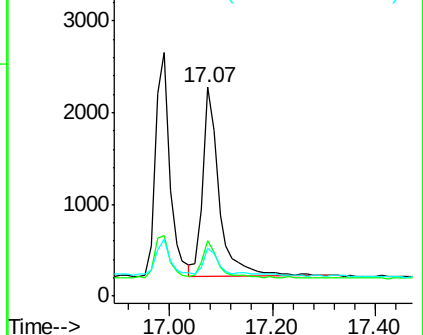
179 22.8 13.3 19.9#

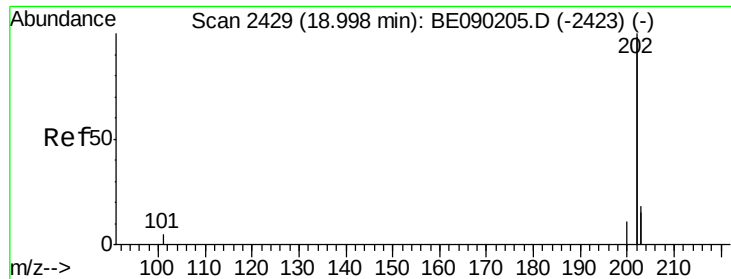


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

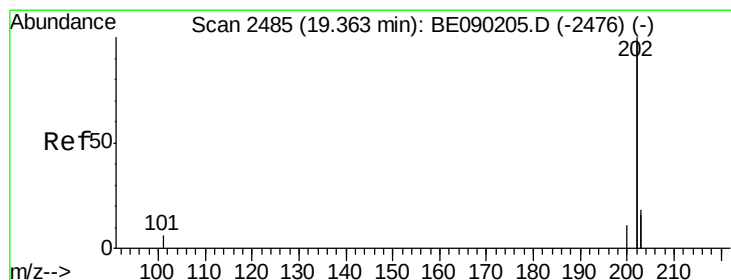
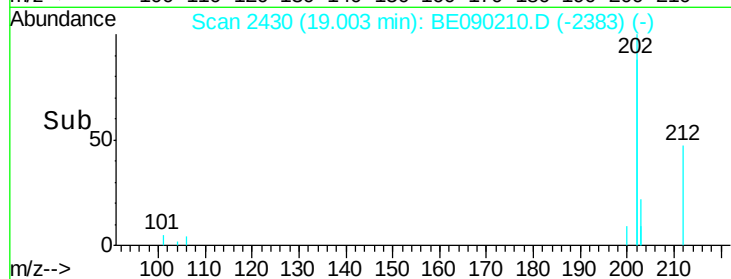
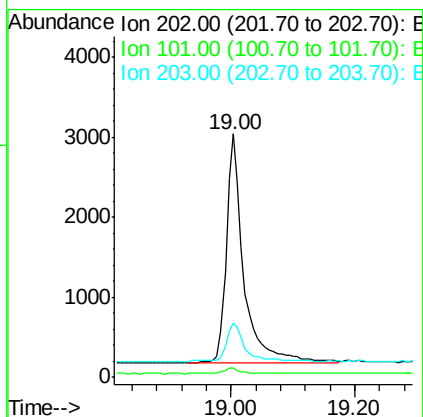
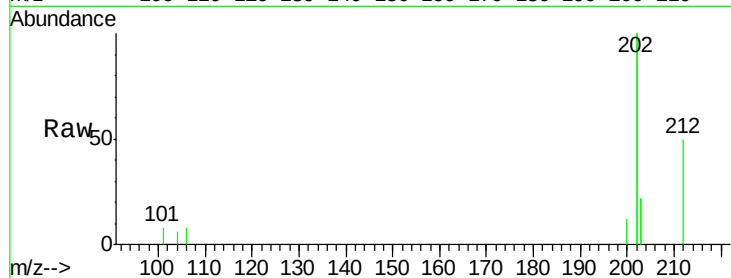




#15
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090210.D
Acq: 21 Jul 2015 21:39

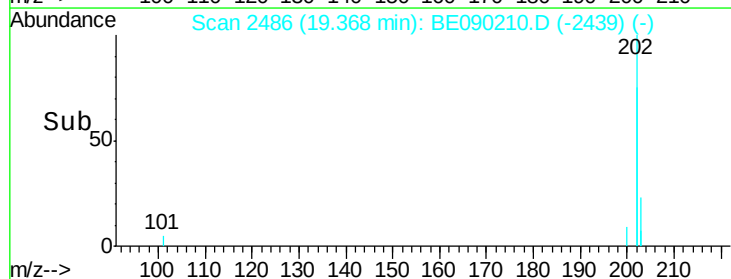
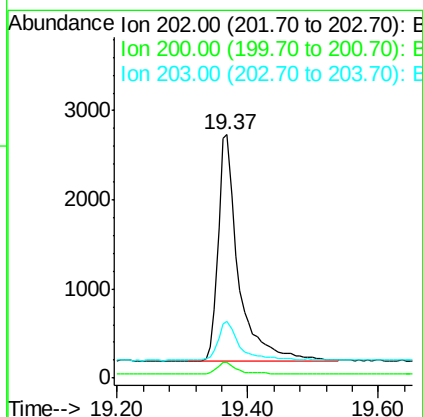
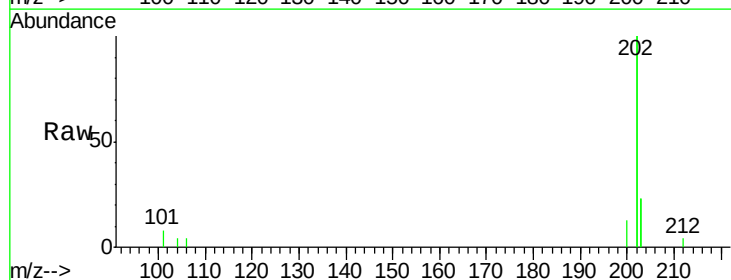
Instrument :
BNA_E
ClientSampleId :

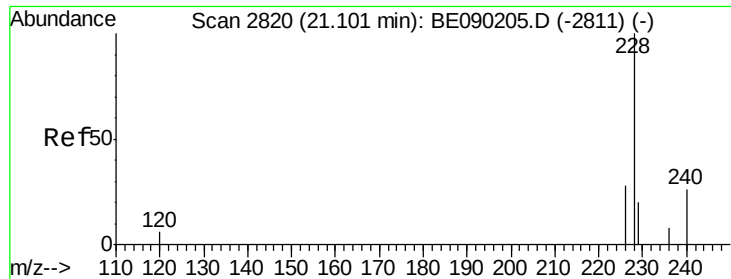
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.8	0.0	23.0
203	22.4	0.0	37.8



#17
Pyrene
Concen: 0.08 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090210.D
Acq: 21 Jul 2015 21:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	6.4	4.4	6.6
203	23.2	14.6	22.0#

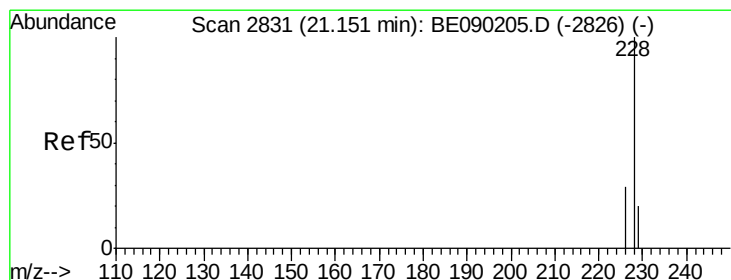
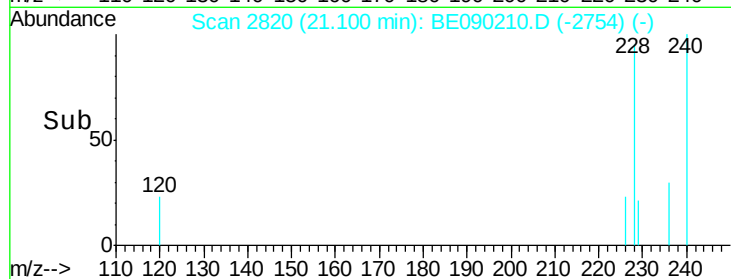
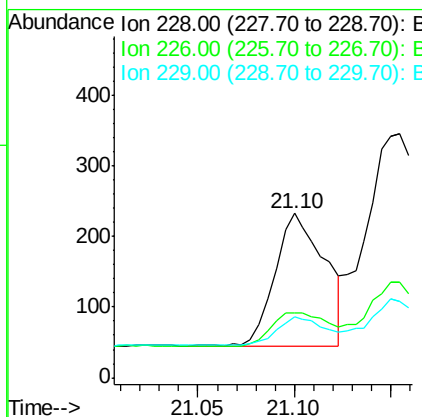
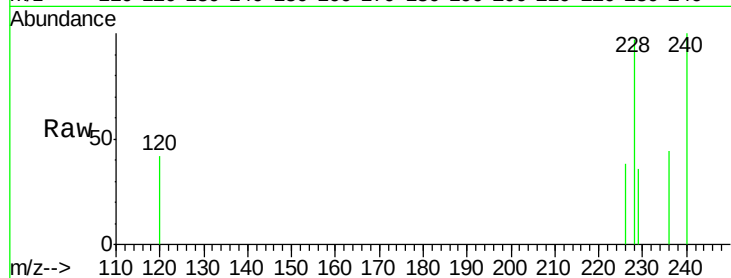




#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.10 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE090210.D
Acq: 21 Jul 2015 21:39

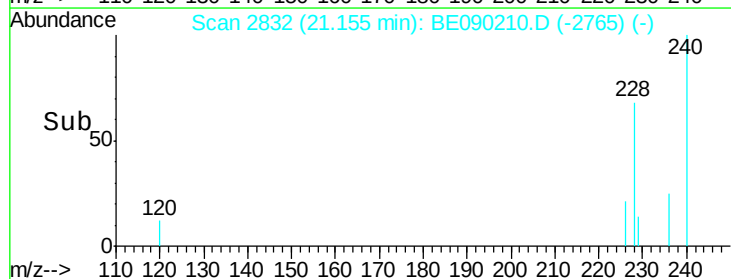
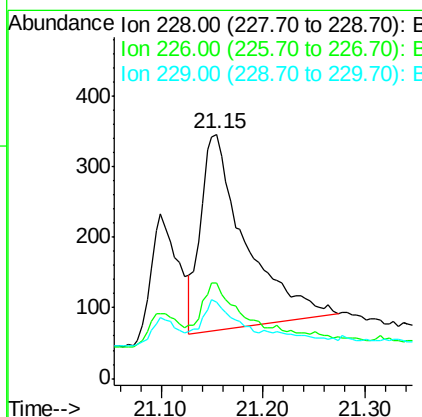
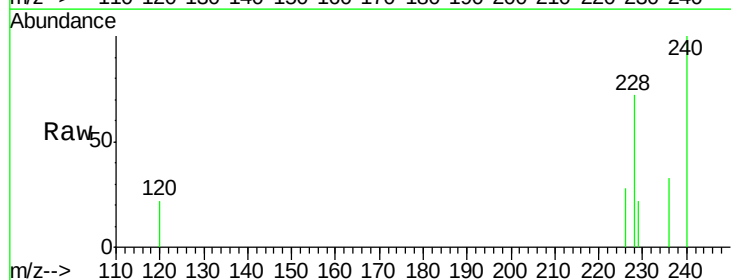
Instrument :
BNA_E
ClientSampleId :

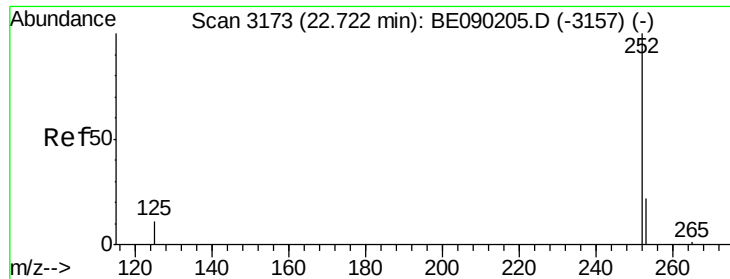
Tot Ion:228 Resp: 338
Ion Ratio Lower Upper
228 100
226 39.5 24.1 36.1#
229 37.3 17.9 26.9#



#19
Chrysene
Concen: 0.05 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090210.D
Acq: 21 Jul 2015 21:39

Tgt Ion:228 Resp: 859
Ion Ratio Lower Upper
228 100
226 39.0 24.6 36.8#
229 31.2 17.4 26.2#





#21

Benzo(b)fluoranthene

Concen: 0.06 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

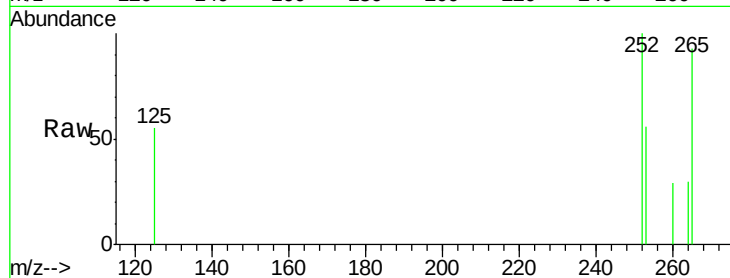
Tot Ion:252 Resp: 191

Ion Ratio Lower Upper

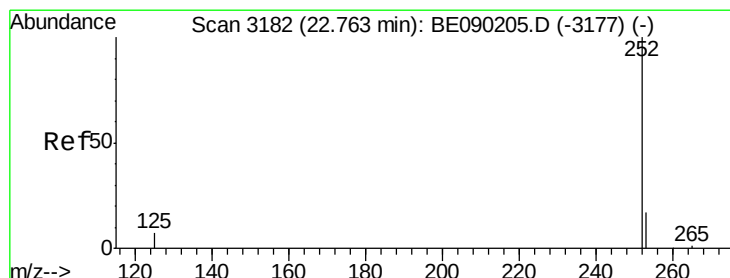
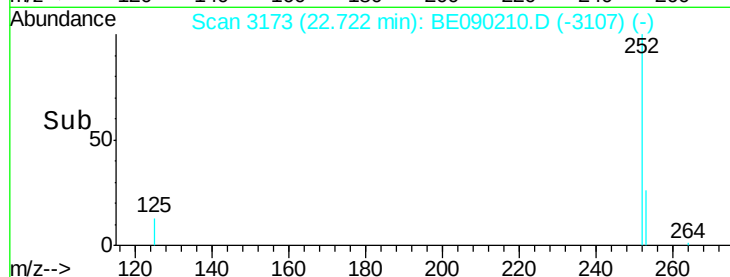
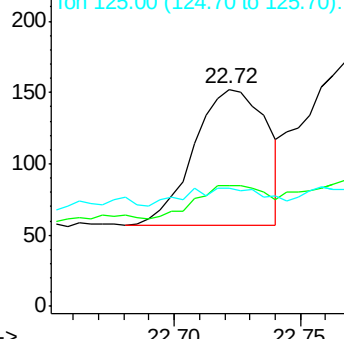
252 100

253 55.9 0.0 56.8

125 54.6 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: BE090210.D

Acq: 21 Jul 2015 21:39

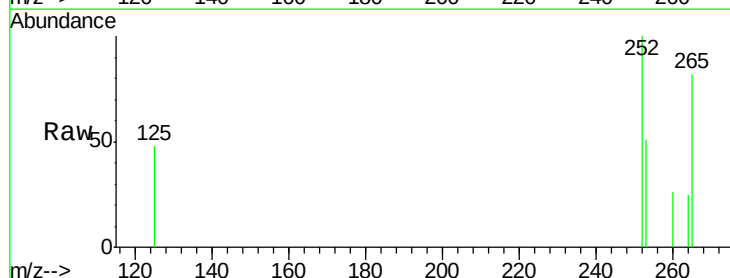
Tgt Ion:252 Resp: 245

Ion Ratio Lower Upper

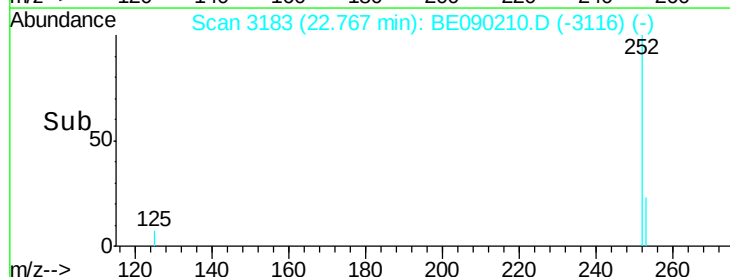
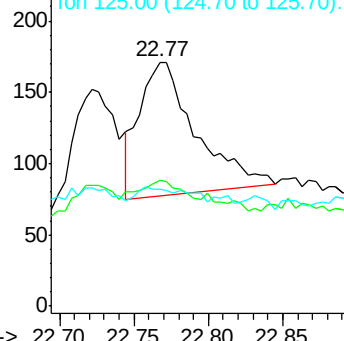
252 100

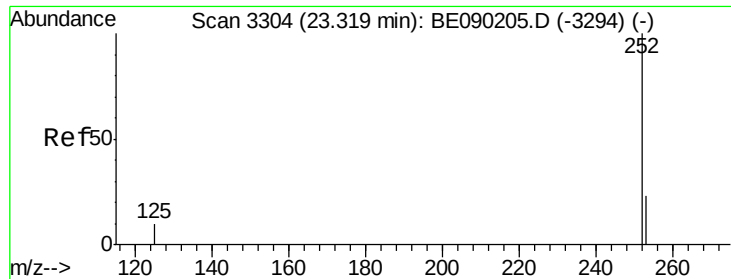
253 51.5 19.5 29.3#

125 48.0 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: 0.04 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

Instrument :

BNA_E

ClientSampleId :

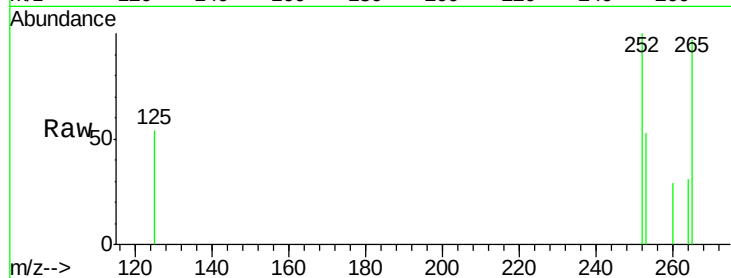
Tot Ion:252 Resp: 228

Ion Ratio Lower Upper

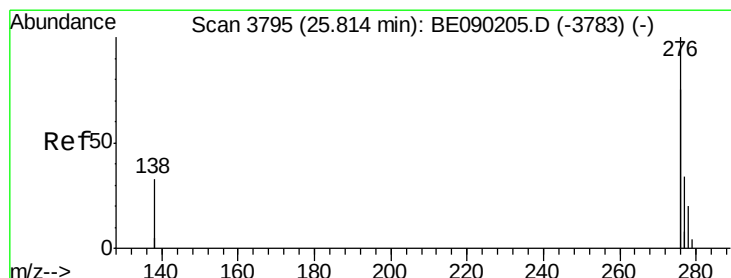
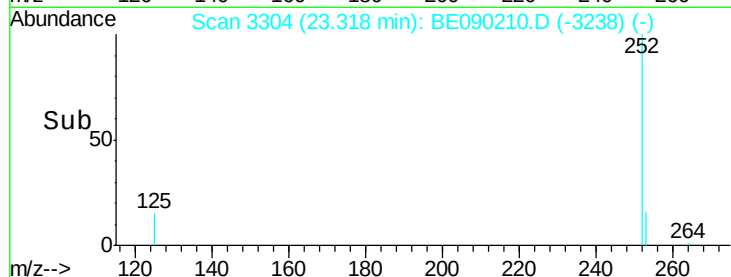
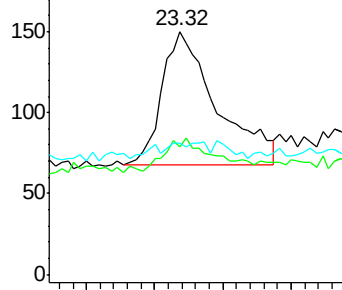
252 100

253 52.7 23.7 35.5#

125 54.0 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: 0.05 ng/ul

RT: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090210.D

Acq: 21 Jul 2015 21:39

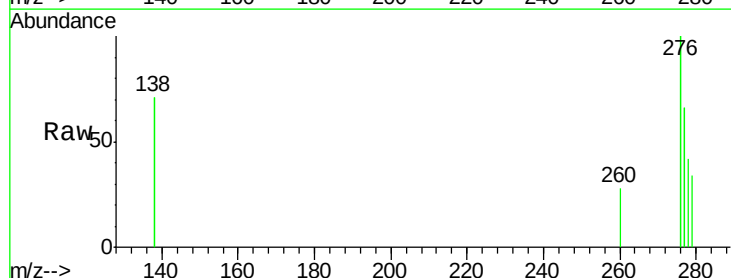
Tgt Ion:276 Resp: 741

Ion Ratio Lower Upper

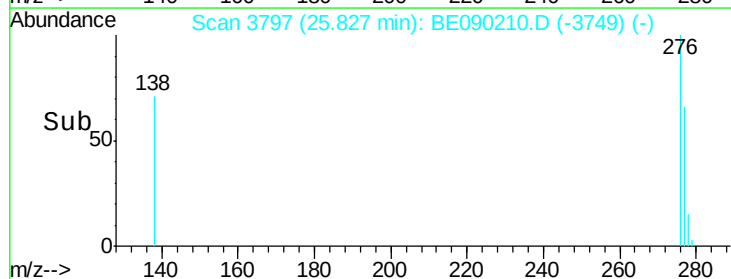
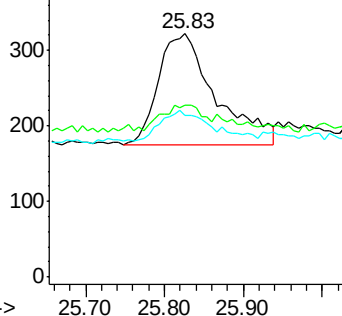
276 100

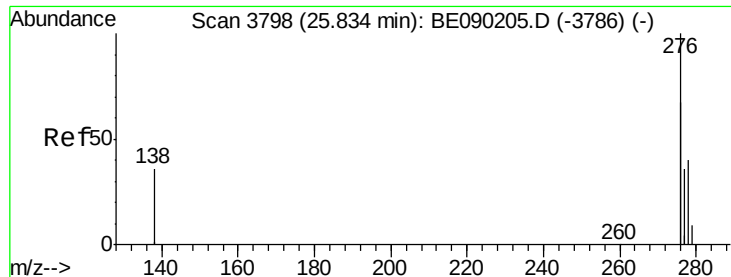
138 15.8 16.9 25.3#

277 25.2 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

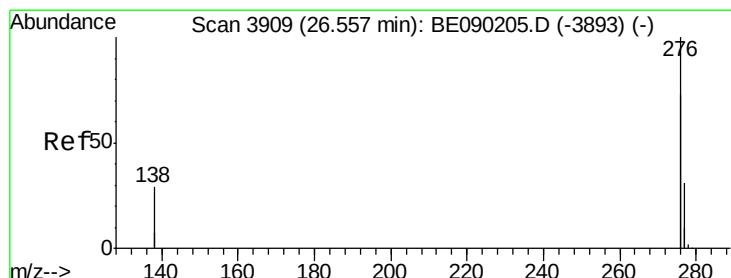
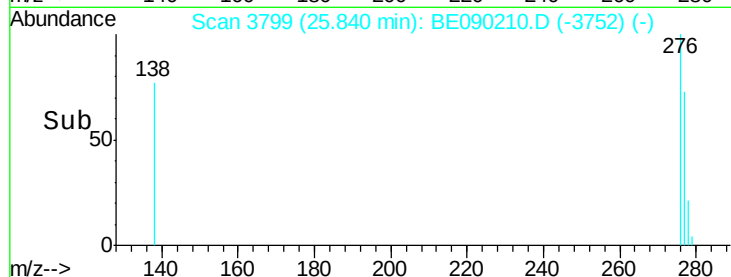
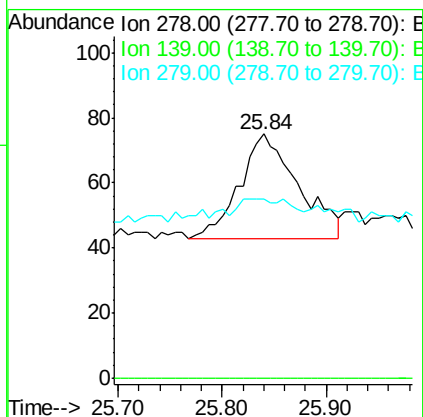
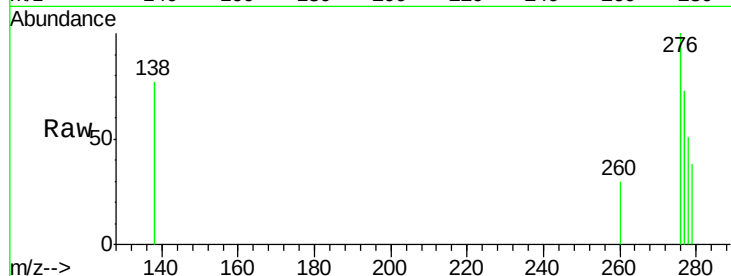




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090210.D
Acq: 21 Jul 2015 21:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 125
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 73.3 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: BE090210.D
Acq: 21 Jul 2015 21:39

Tgt Ion:276 Resp: 1063
Ion Ratio Lower Upper
276 100
277 58.9 24.6 36.8#
138 62.6 23.5 35.3#

