

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090220.D
 Acq On : 22 Jul 2015 5:04
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 06:04:40 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 05:40:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	647	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1939	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5129	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2549	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1250	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1972	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5463	0.37	ng/ul	0.00

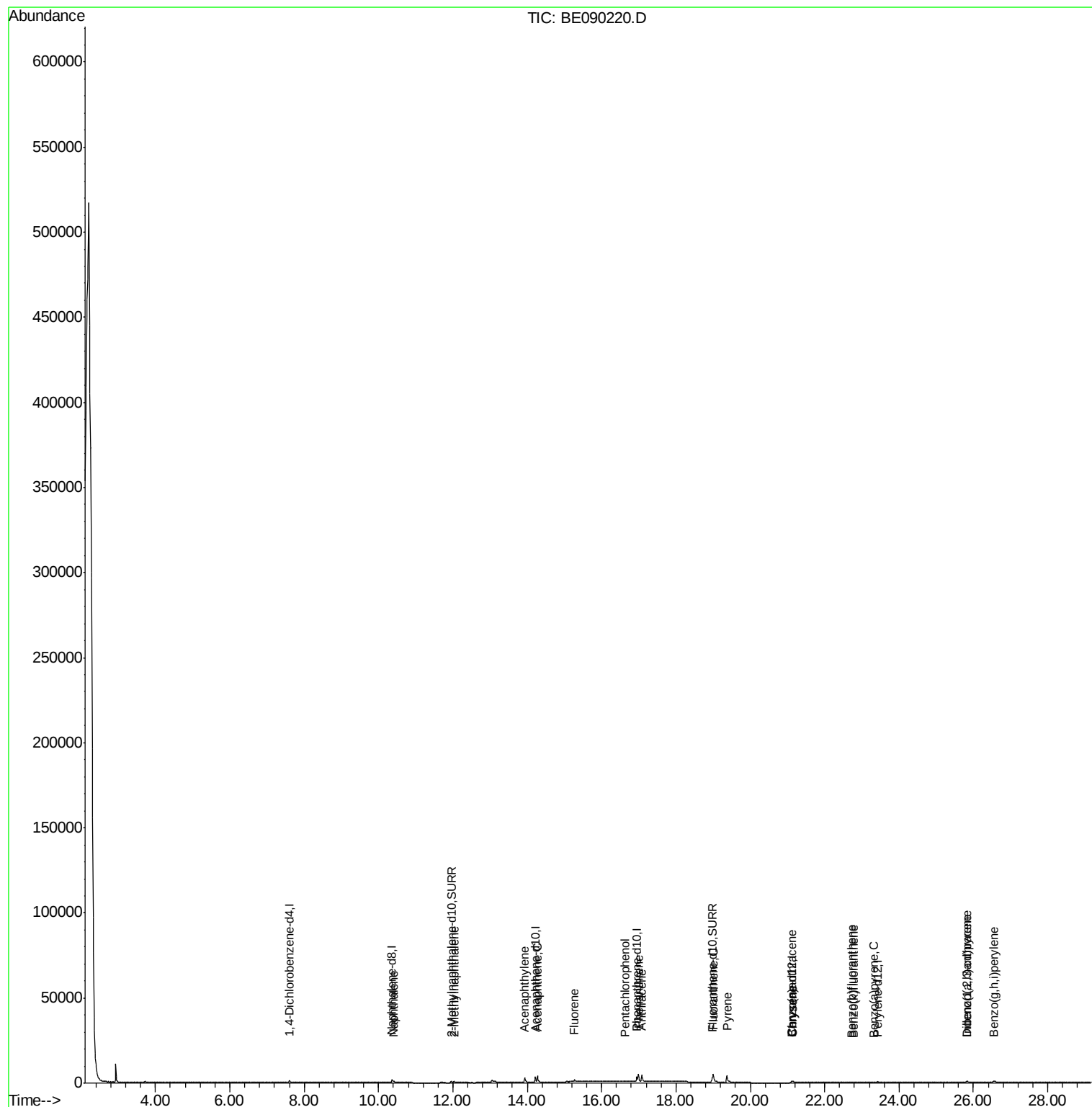
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	899	0.11	ng/ul#	84
5) 2-Methylnaphthalene	12.03	142	645	0.11	ng/ul	95
7) Acenaphthylene	13.93	152	4487	0.11	ng/ul#	91
8) Acenaphthene	14.27	153	3163	0.11	ng/ul	99
9) Fluorene	15.27	166	945	0.11	ng/ul#	96
11) Pentachlorophenol	16.63	266	10	0.03	ng/ul#	22
12) Phenanthrene	16.99	178	6405	0.11	ng/ul#	93
13) Anthracene	17.07	178	6497	0.11	ng/ul#	92
15) Fluoranthene	19.00	202	7698	0.12	ng/ul	92
17) Pyrene	19.37	202	7613	0.18	ng/ul#	92
18) Benzo(a)anthracene	21.10	228	366	0.09	ng/ul#	75
19) Chrysene	21.15	228	955	0.09	ng/ul#	84
21) Benzo(b)fluoranthene	22.72	252	245	0.15	ng/ul#	56
22) Benzo(k)fluoranthene	22.77	252	316	0.07	ng/ul#	50
23) Benzo(a)pyrene	23.32	252	290	0.12	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.82	276	856	0.12	ng/ul	93
25) Dibenzo(a,h)anthracene	25.83	278	147	0.12	ng/ul#	35
26) Benzo(g,h,i)perylene	26.55	276	1069	0.10	ng/ul#	44

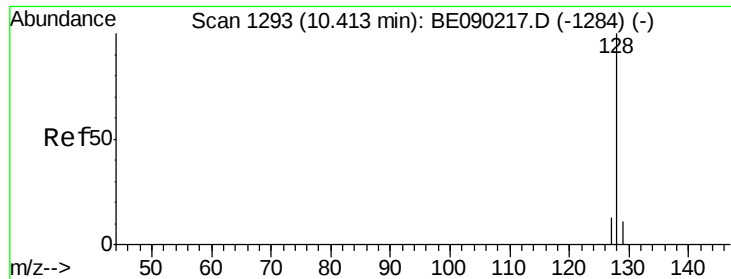
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

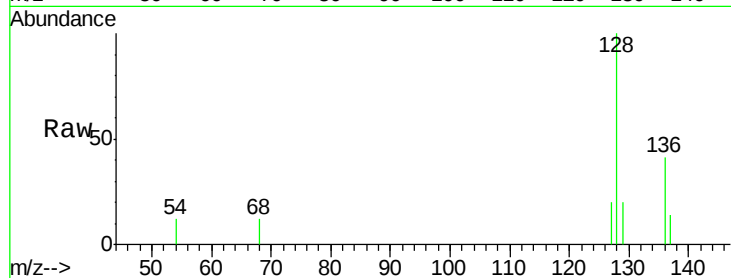
Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :



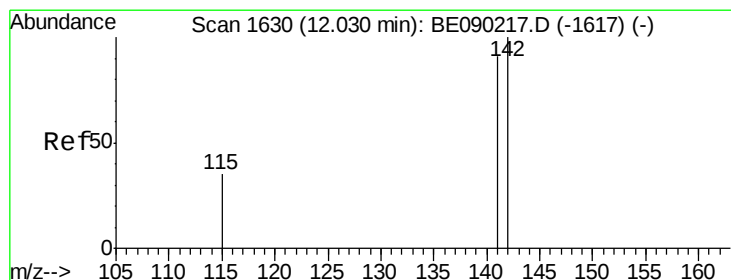
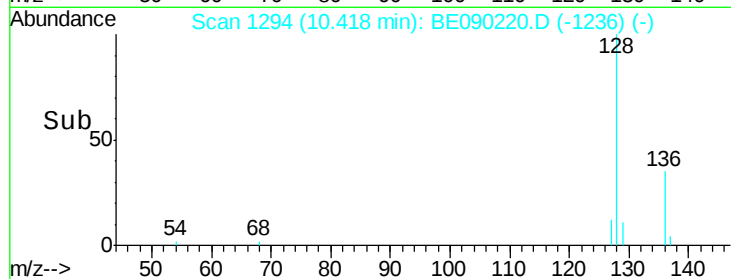
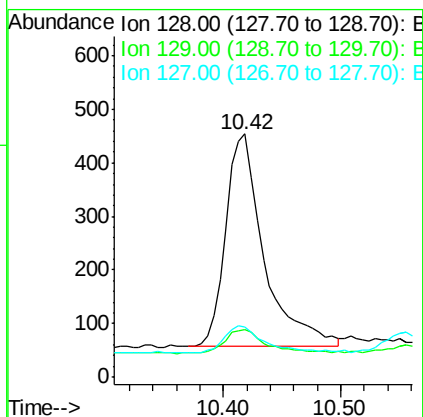
Tot Ion:128 Resp: 899

Ion Ratio Lower Upper

128 100

129 19.8 10.2 15.2#

127 20.5 11.8 17.6#



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE090220.D

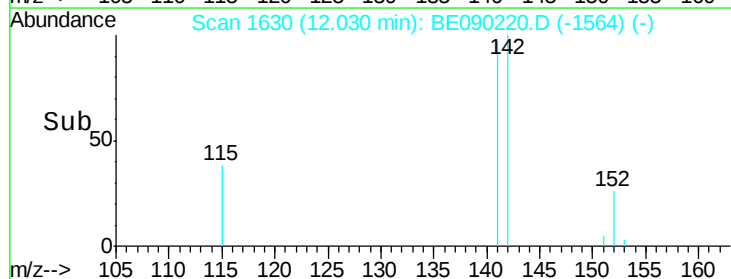
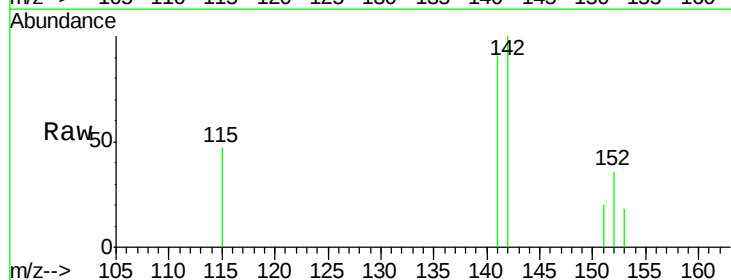
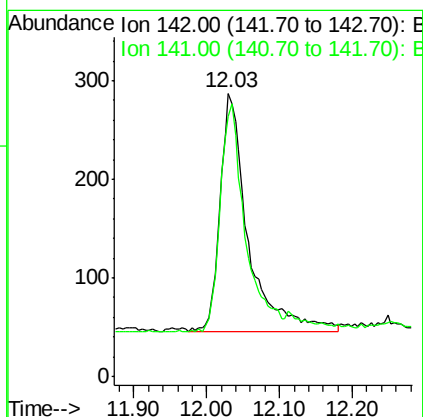
Acq: 22 Jul 2015 5:04

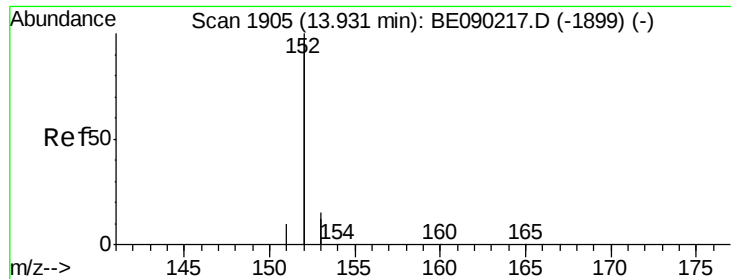
Tgt Ion:142 Resp: 645

Ion Ratio Lower Upper

142 100

141 86.5 73.0 109.6





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

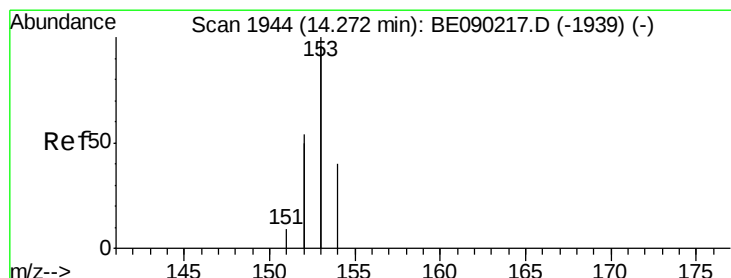
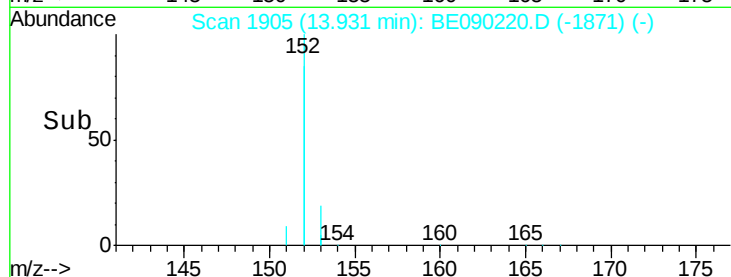
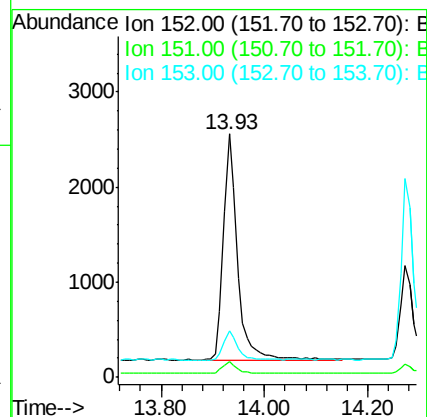
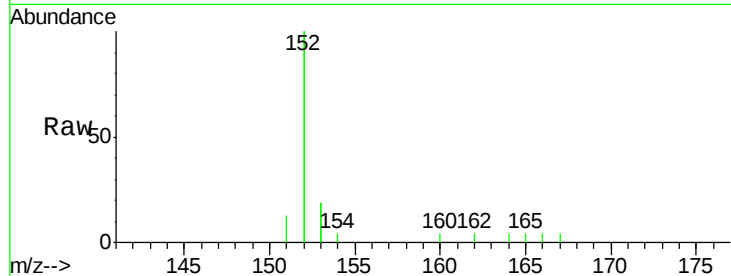
Tot Ion:152 Resp: 4487

Ion Ratio Lower Upper

152 100

151 6.5 4.2 6.4#

153 19.1 11.5 17.3#



#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

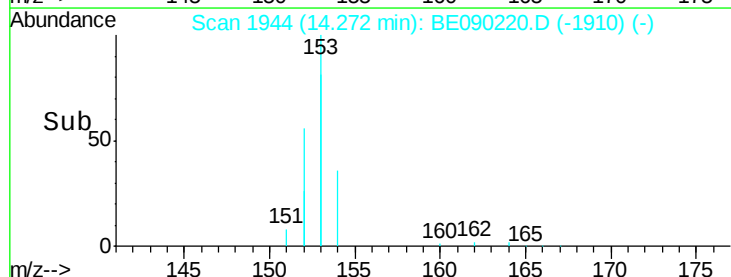
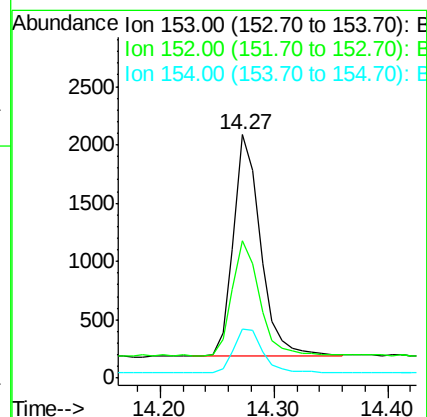
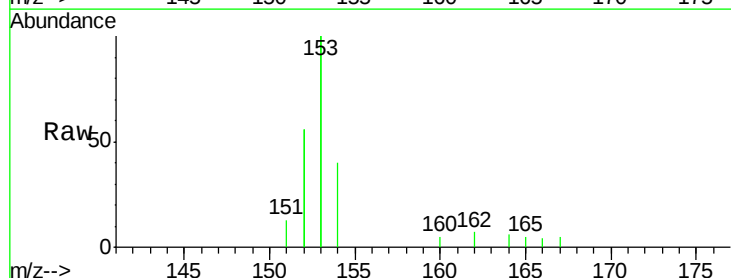
Tgt Ion:153 Resp: 3163

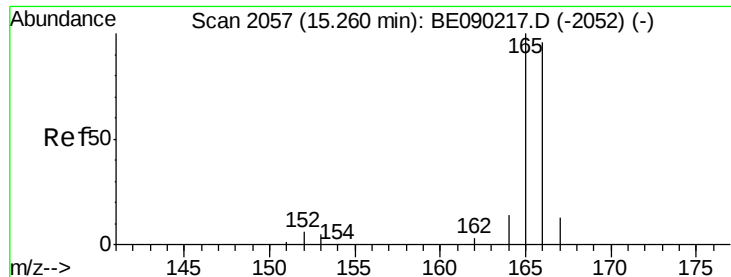
Ion Ratio Lower Upper

153 100

152 56.4 45.0 67.4

154 20.2 16.8 25.2

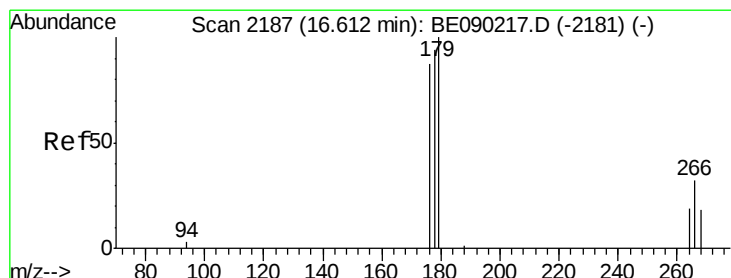
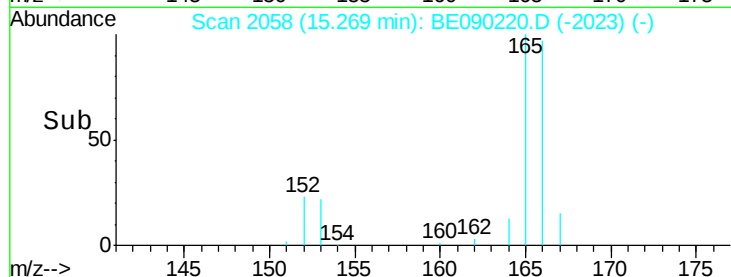
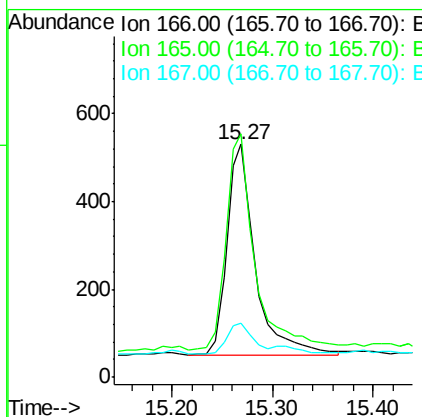
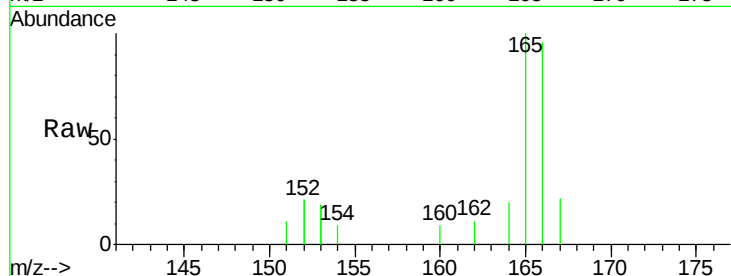




#9
Fluorene
 Concen: 0.11 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

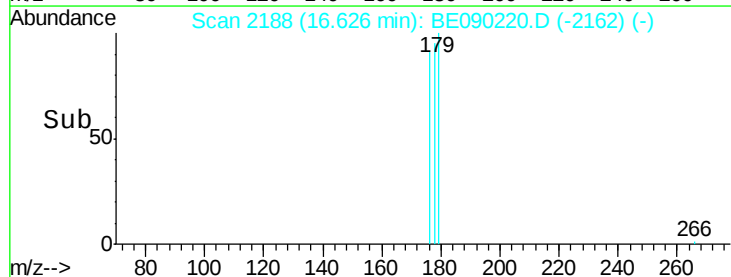
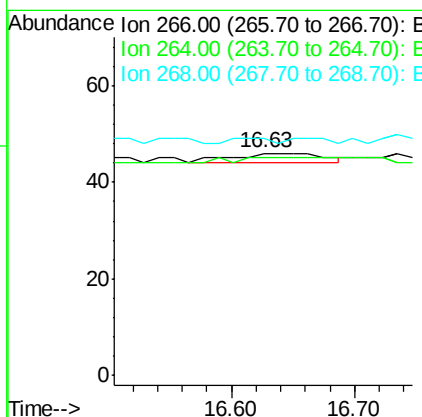
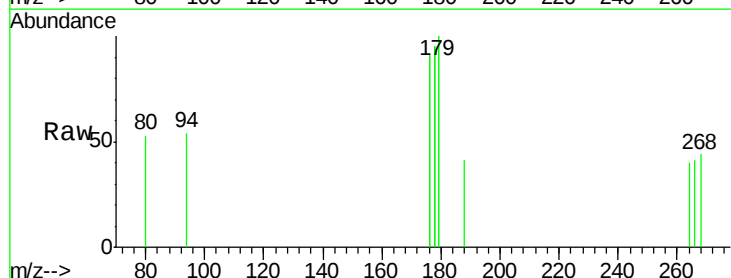
Instrument :
 BNA_E
 ClientSampleId :

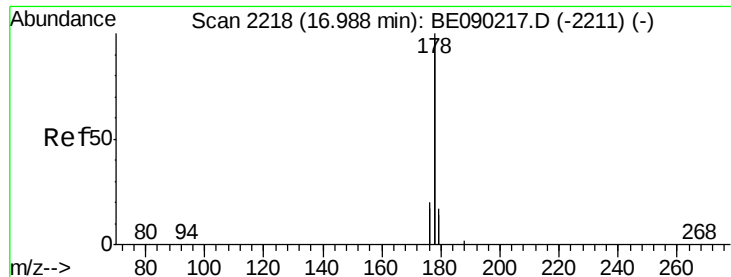
Tot Ion	Ratio	Lower	Upper
166	100		
165	104.5	81.9	122.9
167	23.4	12.2	18.2



#11
Pentachlorophenol
 Concen: 0.03 ng/ul
 RT: 16.63 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Tgt Ion	Ratio	Lower	Upper
266	100		
264	0.0	51.6	77.4
268	0.0	41.3	61.9





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

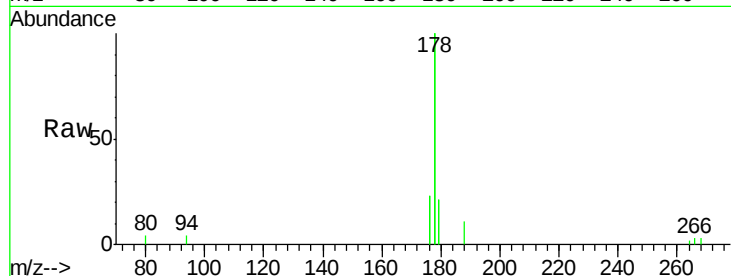
Tot Ion:178 Resp: 6405

Ion Ratio Lower Upper

178 100

176 23.1 17.6 26.4

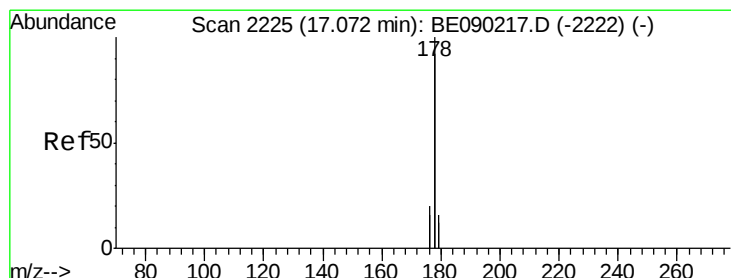
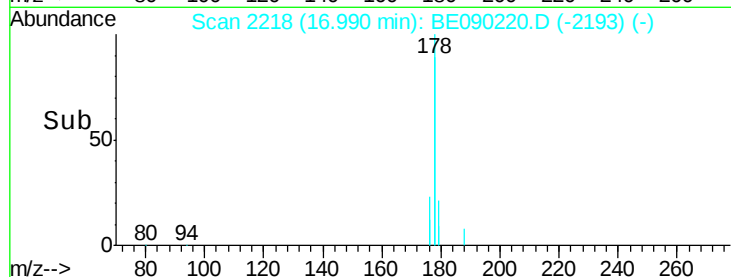
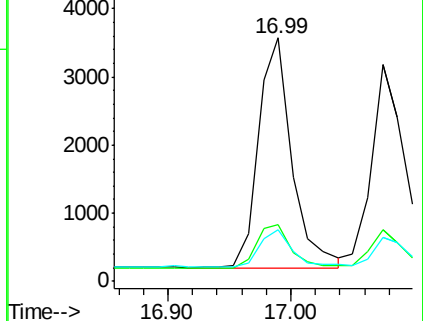
179 21.0 12.2 18.4#



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: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

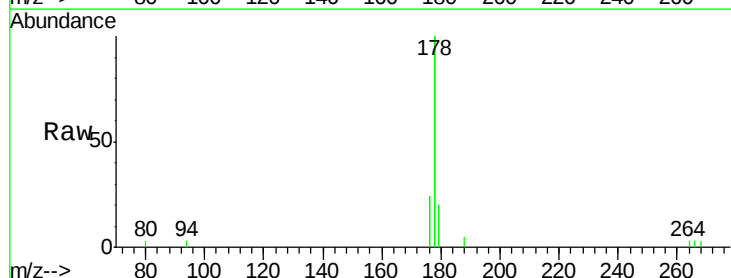
Tgt Ion:178 Resp: 6497

Ion Ratio Lower Upper

178 100

176 24.0 15.9 23.9#

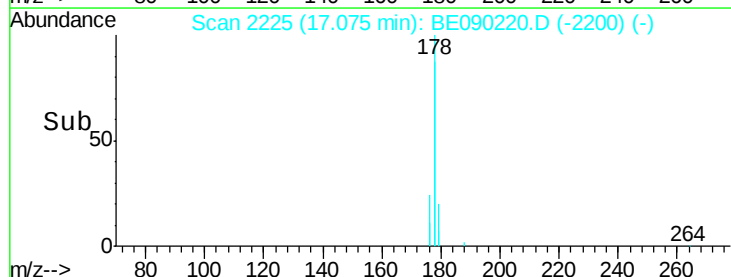
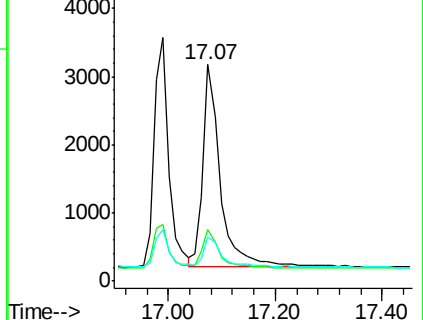
179 20.0 13.3 19.9#

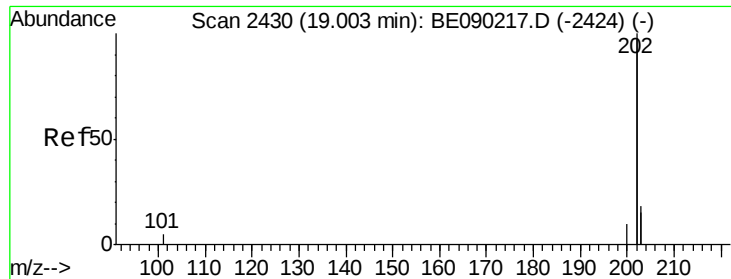


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

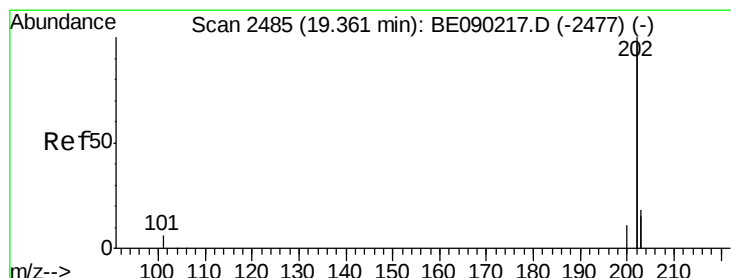
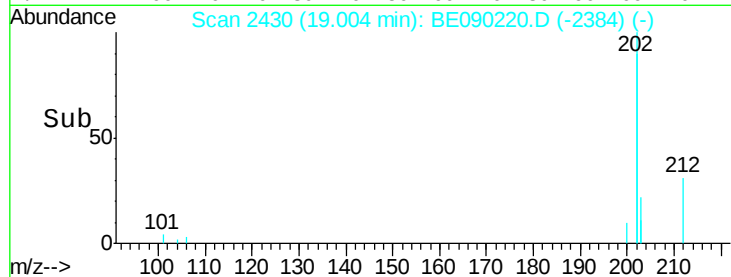
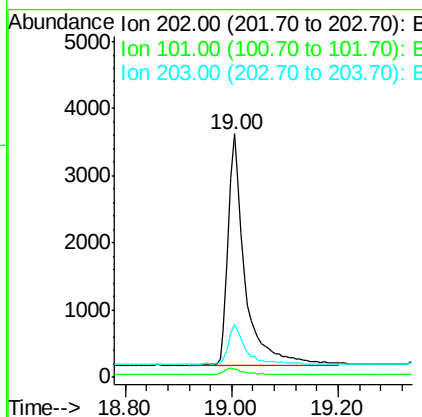
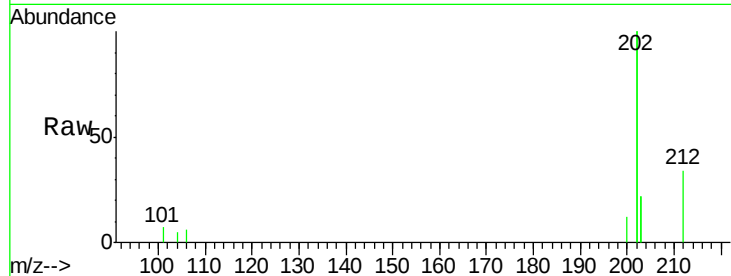




#15
Fluoranthene
 Concen: 0.12 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

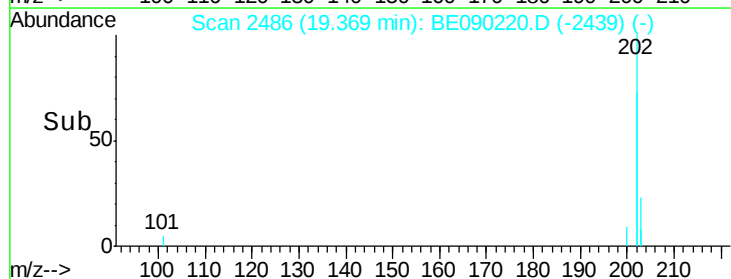
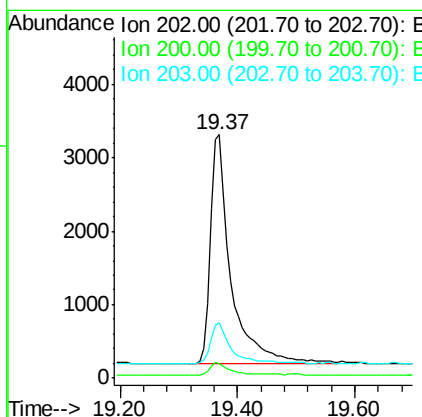
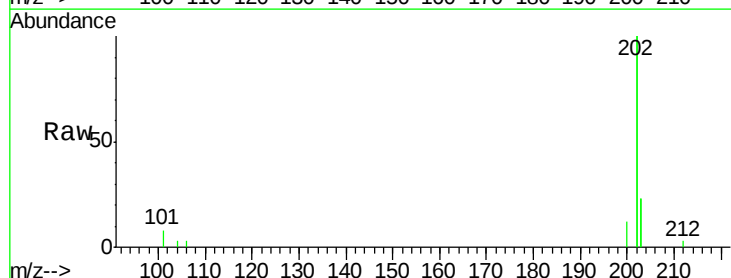
Instrument :
 BNA_E
 ClientSampleId :

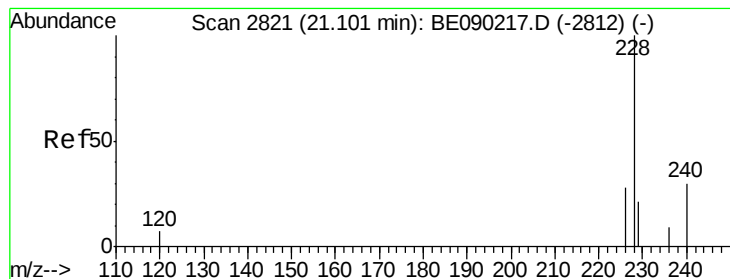
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.4	0.0	23.0
203	21.6	0.0	37.8



#17
Pyrene
 Concen: 0.18 ng/ul
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.01 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	6.0	4.4	6.6
203	22.8	14.6	22.0#





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

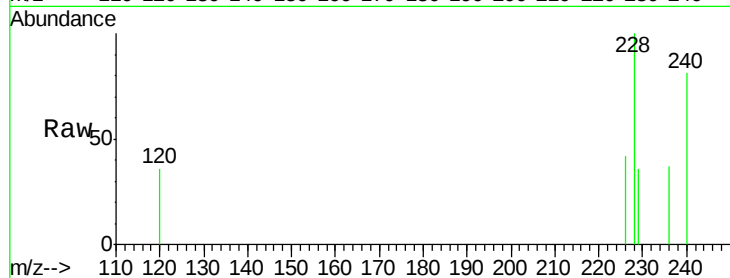
Tot Ion:228 Resp: 366

Ion Ratio Lower Upper

228 100

226 42.1 24.1 36.1#

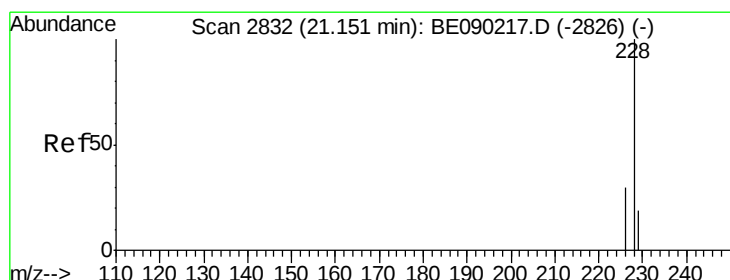
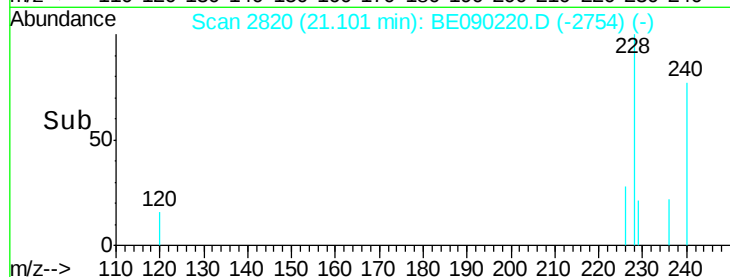
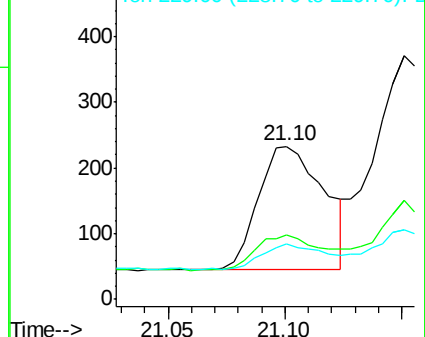
229 36.1 17.9 26.9#



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: 0.09 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

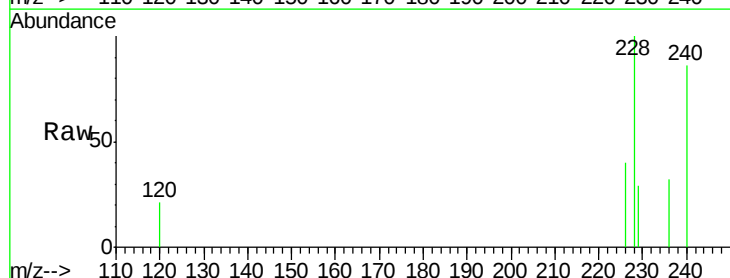
Tgt Ion:228 Resp: 955

Ion Ratio Lower Upper

228 100

226 40.4 24.6 36.8#

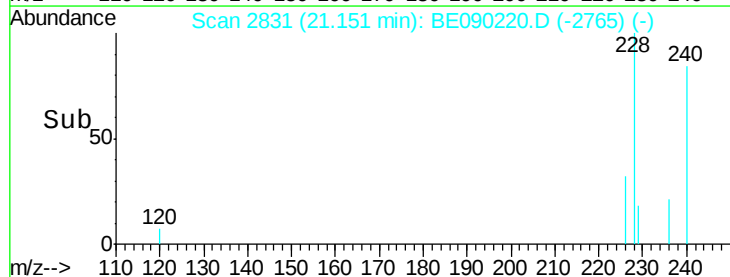
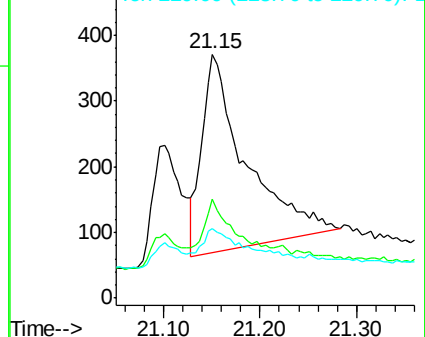
229 28.6 17.4 26.2#

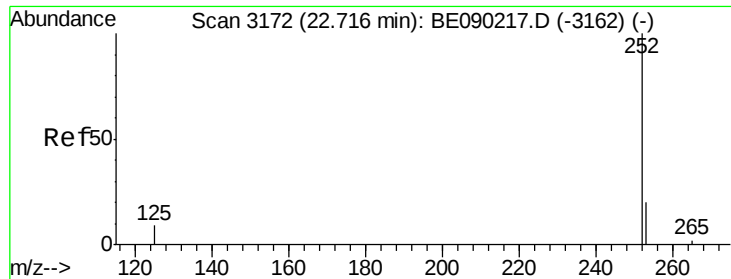


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.15 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.01 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

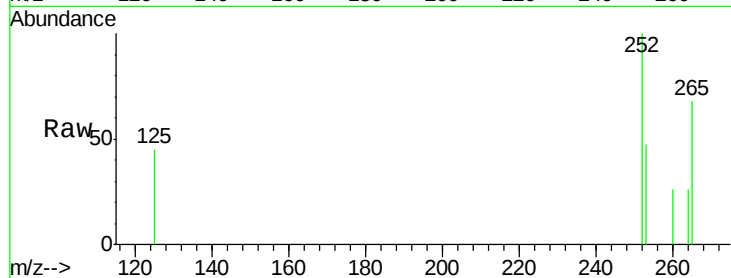
Tot Ion:252 Resp: 245

Ion Ratio Lower Upper

252 100

253 47.1 0.0 56.8

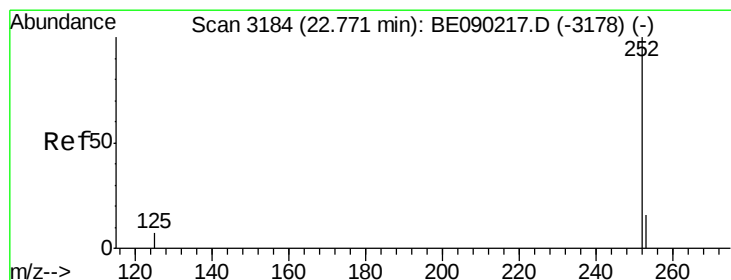
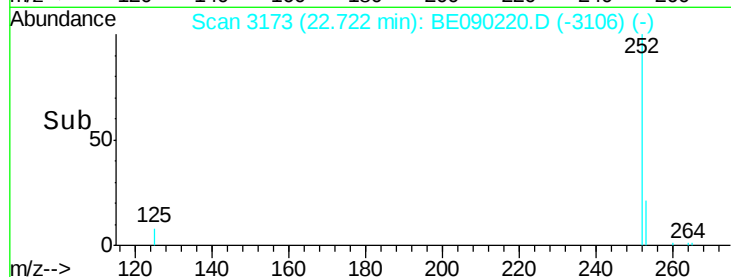
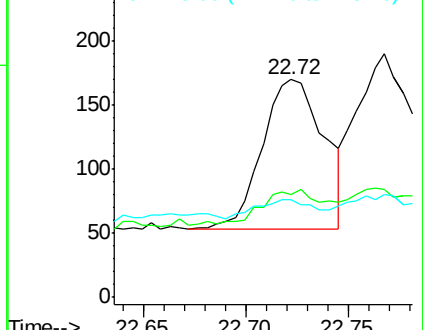
125 44.7 0.0 37.0#



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: 0.07 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

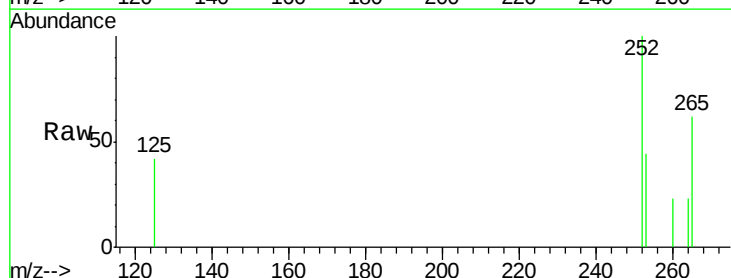
Tgt Ion:252 Resp: 316

Ion Ratio Lower Upper

252 100

253 44.2 19.5 29.3#

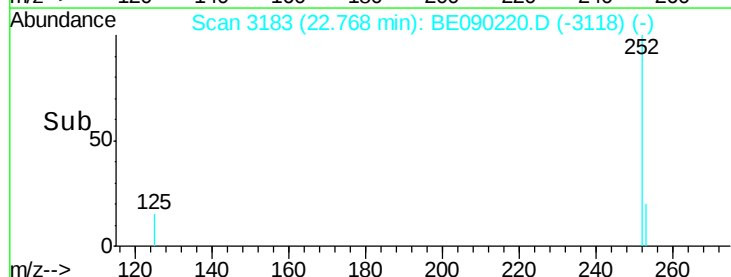
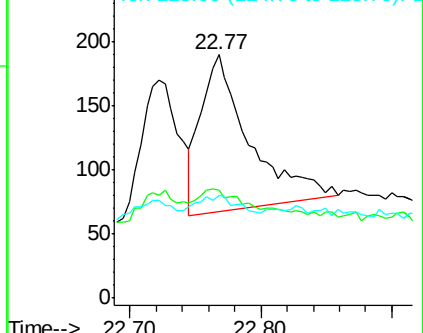
125 42.1 11.9 17.9#

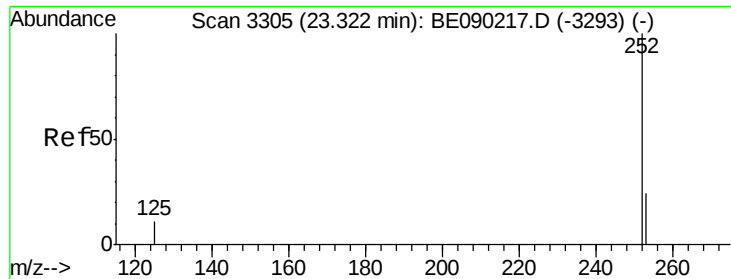


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.12 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

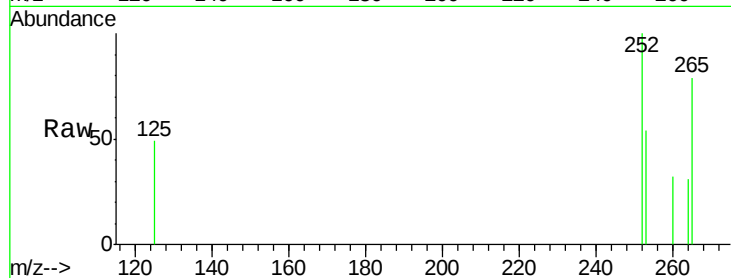
Tot Ion:252 Resp: 290

Ion Ratio Lower Upper

252 100

253 54.1 23.7 35.5#

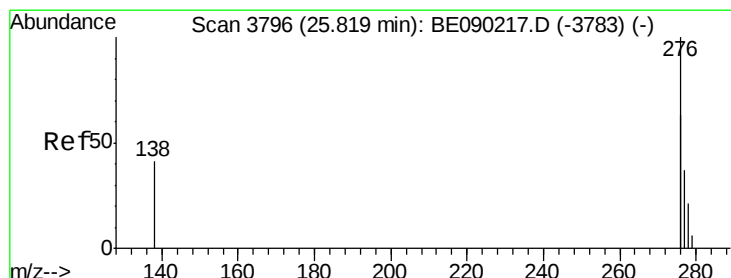
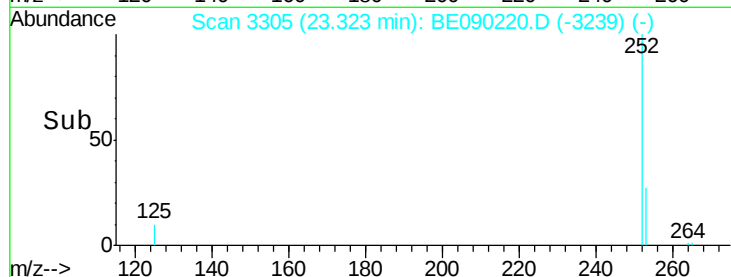
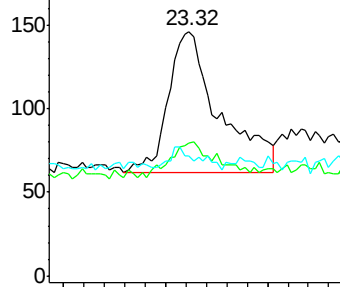
125 49.3 15.4 23.2#



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: 0.12 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

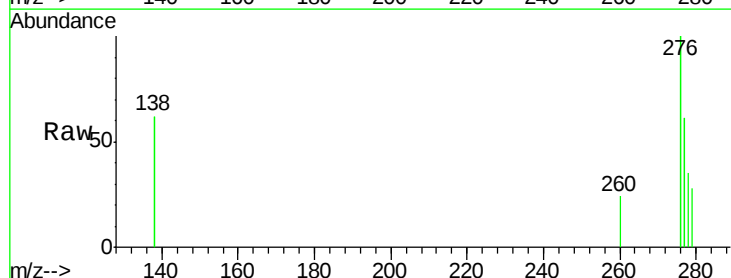
Tgt Ion:276 Resp: 856

Ion Ratio Lower Upper

276 100

138 25.1 16.9 25.3

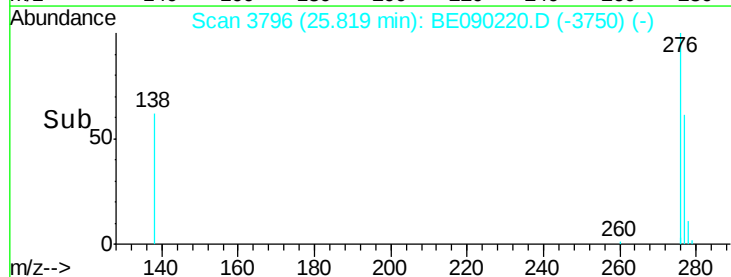
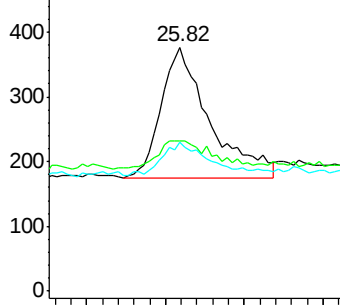
277 24.2 17.0 25.4

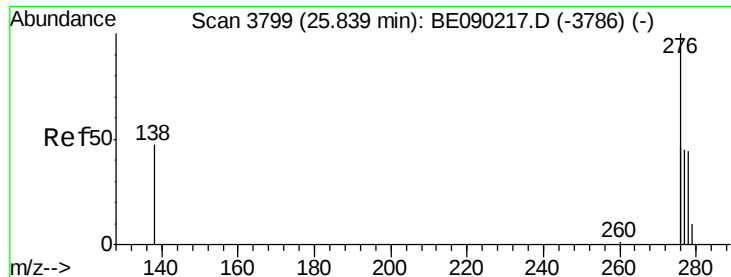


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

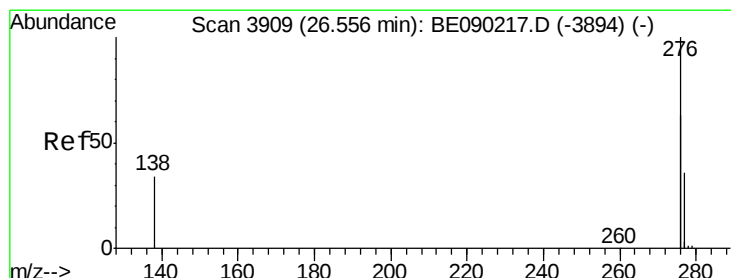
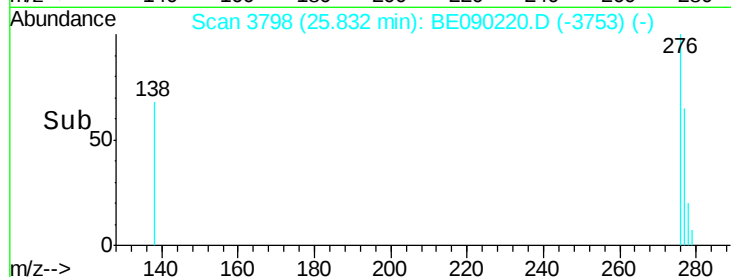
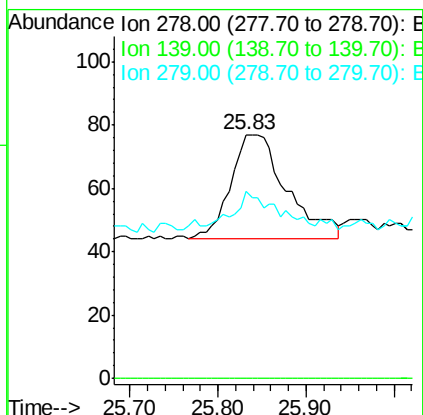
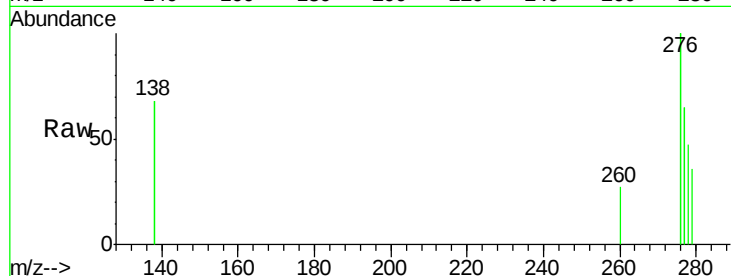




#25
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul
RT: 25.83 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BE090220.D
Acq: 22 Jul 2015 5:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 147
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 76.6 30.1 45.1#



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BE090220.D
Acq: 22 Jul 2015 5:04

Tgt Ion:276 Resp: 1069
Ion Ratio Lower Upper
276 100
277 58.7 24.6 36.8#
138 61.7 23.5 35.3#

