

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090204.D
 Acq On : 21 Jul 2015 17:55
 Operator : TP/IZ
 Sample : SSTD0.219
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 03:06:08 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 03:03:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	865	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	4089	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2268	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6084	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	4652	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2798	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1250	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	3402	0.19	ng/ul	0.00

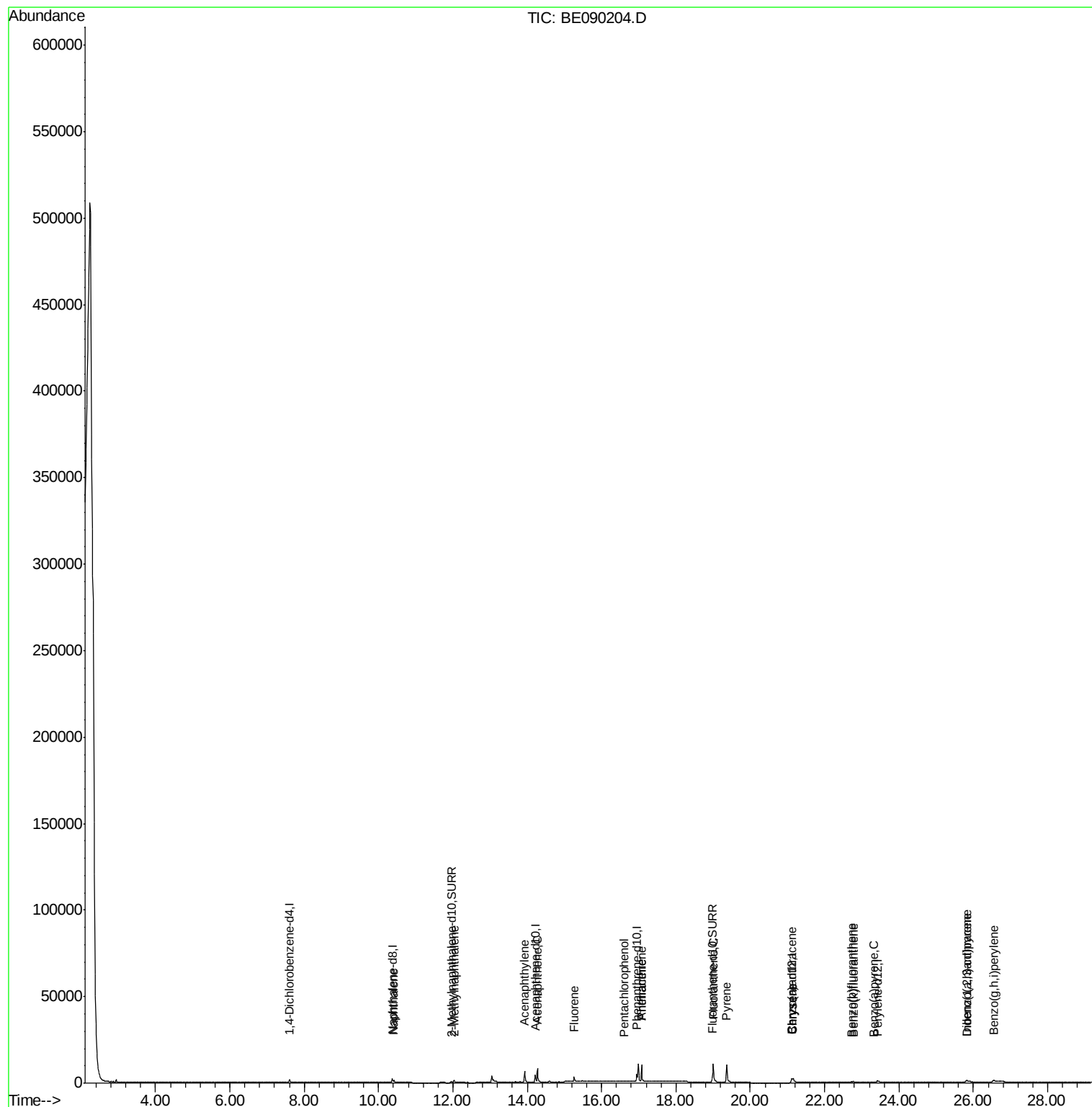
Target Compounds				Ovalue		
3) Naphthalene	10.41	128	2143	0.20	ng/ul	95
5) 2-Methylnaphthalene	12.03	142	1433	0.20	ng/ul	99
7) Acenaphthylene	13.93	152	9466	0.20	ng/ul	97
8) Acenaphthene	14.27	153	6928	0.20	ng/ul	99
9) Fluorene	15.26	166	2017	0.20	ng/ul	97
11) Pentachlorophenol	16.61	266	55	0.09	ng/ul#	81
12) Phenanthrene	17.07	178	12939	0.18	ng/ul	97
13) Anthracene	17.07	178	13352	0.20	ng/ul	98
15) Fluoranthene	19.00	202	15473	0.19	ng/ul	97
17) Pyrene	19.36	202	15878	0.26	ng/ul	99
18) Benzo(a)anthracene	21.10	228	1264	0.11	ng/ul	96
19) Chrysene	21.15	228	3538	0.23	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	667	0.10	ng/ul	88
22) Benzo(k)fluoranthene	22.77	252	972	0.09	ng/ul#	82
23) Benzo(a)pyrene	23.32	252	960	0.13	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.81	276	2638	0.08	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.84	278	435	0.07	ng/ul#	83
26) Benzo(g,h,i)perylene	26.55	276	4454	0.14	ng/ul#	86

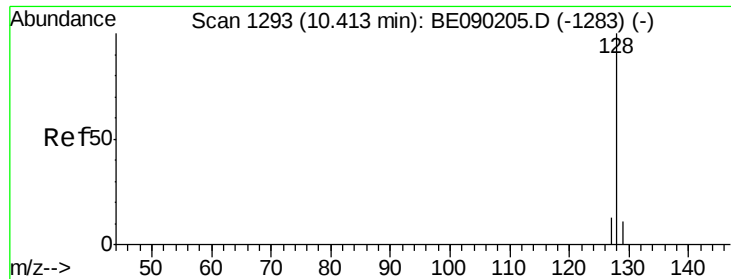
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 22 03:03:48 2015
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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampled :

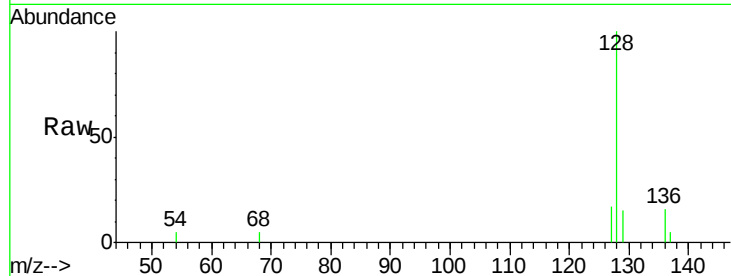
Tot Ion:128 Resp: 2143

Ion Ratio Lower Upper

128 100

129 14.8 10.2 15.2

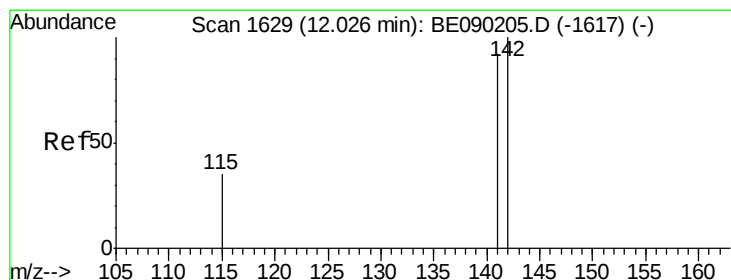
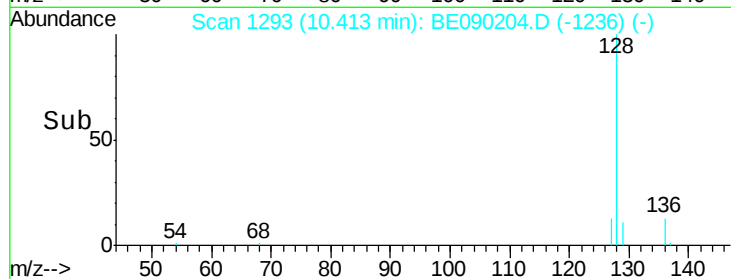
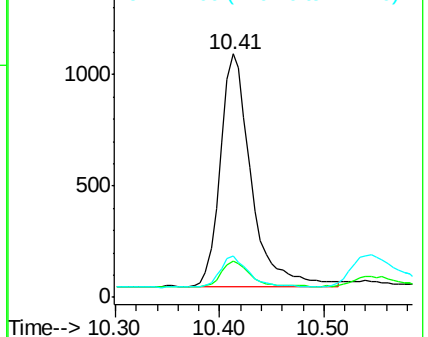
127 16.8 11.8 17.6



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: 0.20 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090204.D

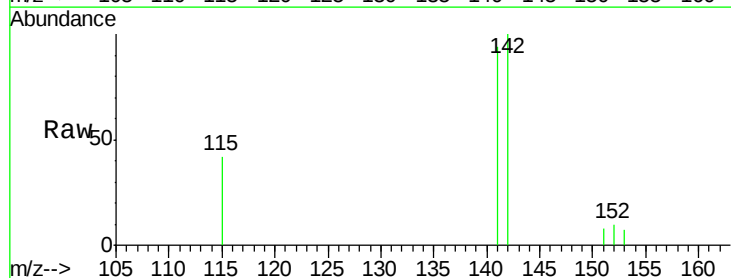
Acq: 21 Jul 2015 17:55

Tgt Ion:142 Resp: 1433

Ion Ratio Lower Upper

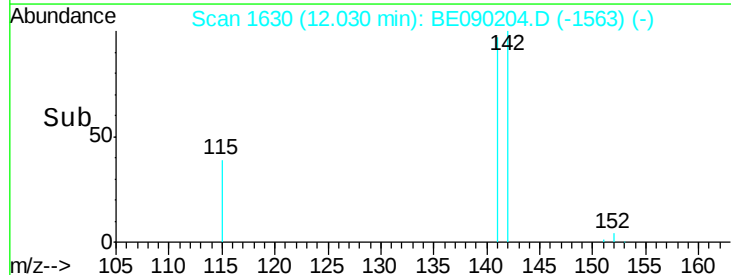
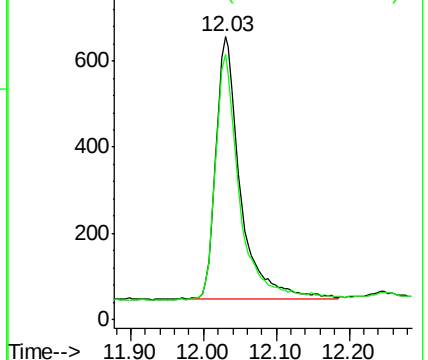
142 100

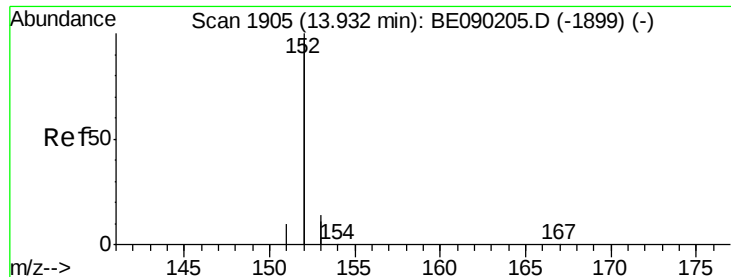
141 90.6 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

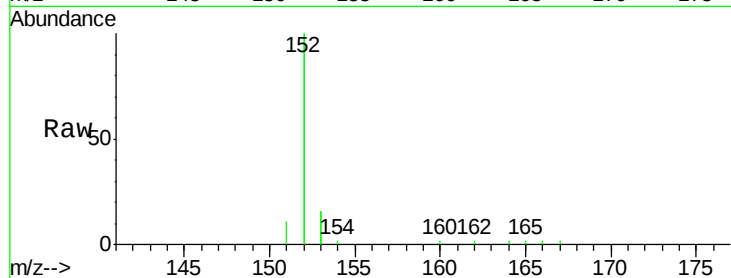
Tot Ion:152 Resp: 9466

Ion Ratio Lower Upper

152 100

151 5.5 4.2 6.4

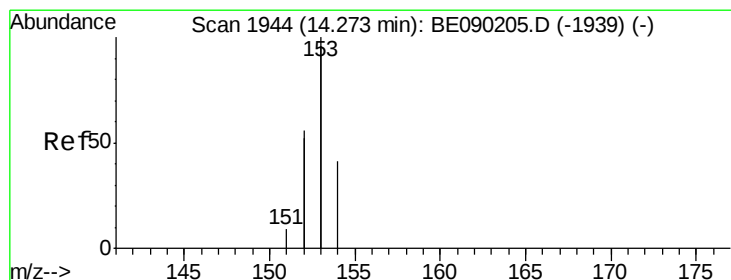
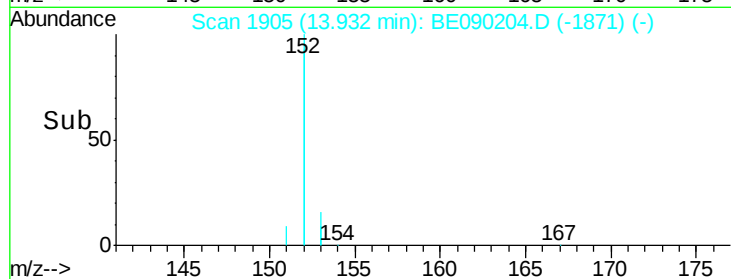
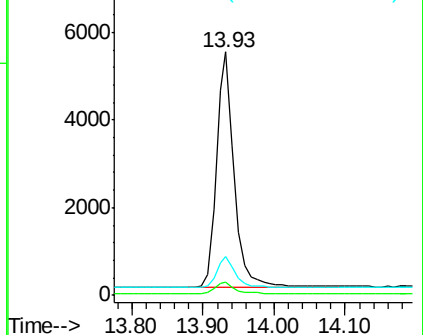
153 16.0 11.5 17.3



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: 0.20 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

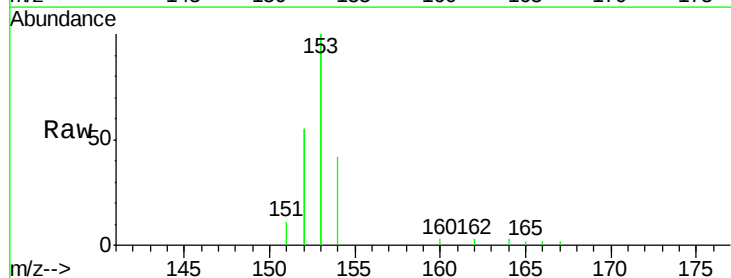
Tgt Ion:153 Resp: 6928

Ion Ratio Lower Upper

153 100

152 55.3 45.0 67.4

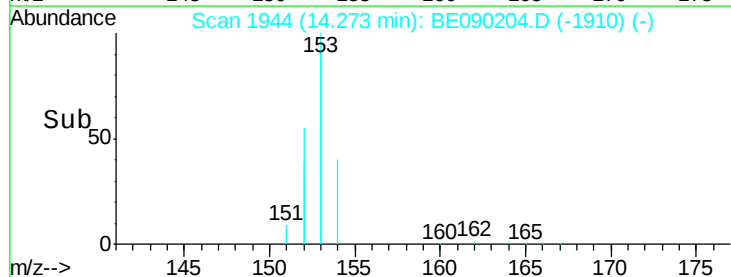
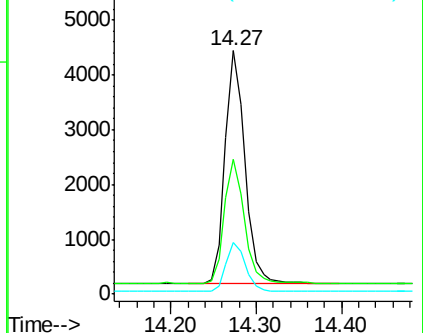
154 21.1 16.8 25.2

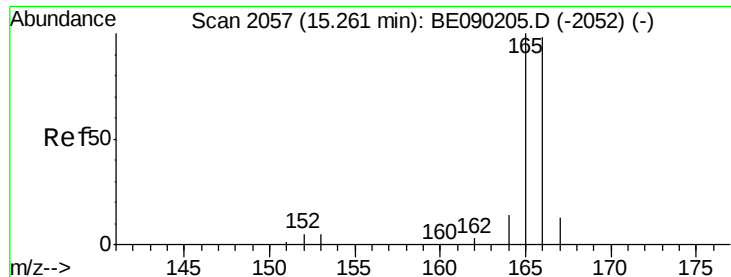


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.20 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

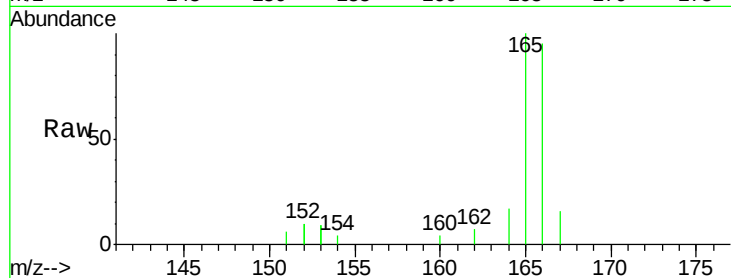
Tot Ion:166 Resp: 2017

Ion Ratio Lower Upper

166 100

165 105.6 81.9 122.9

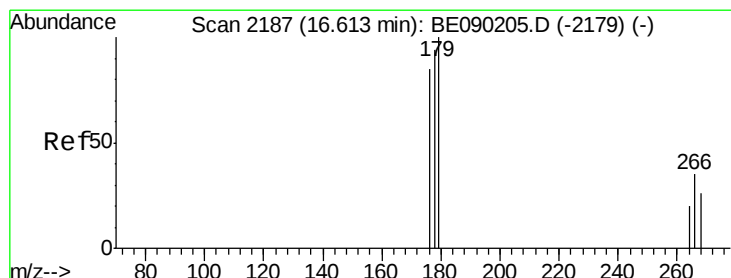
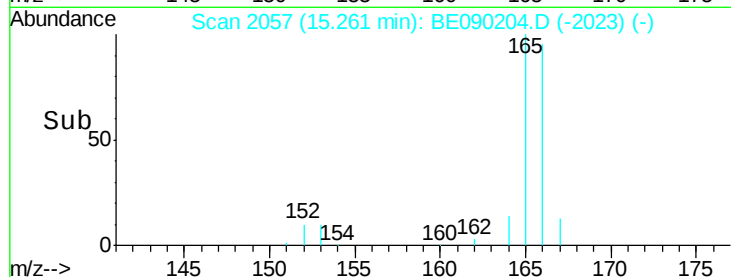
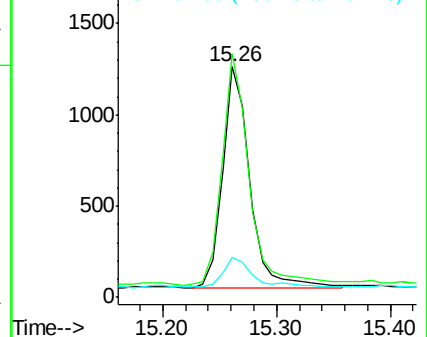
167 17.3 12.2 18.2



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: 0.09 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

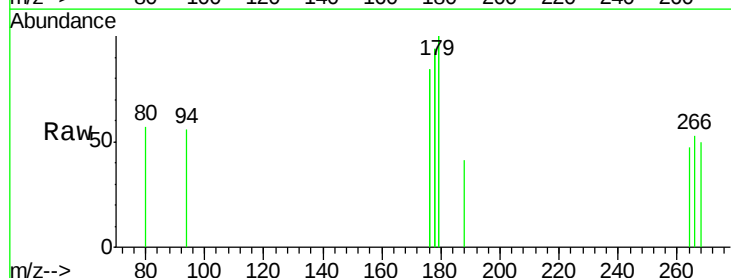
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 74.5 51.6 77.4

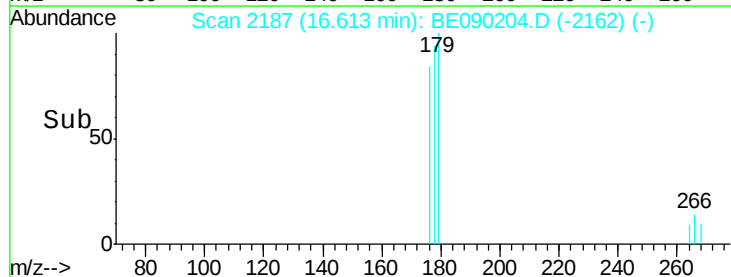
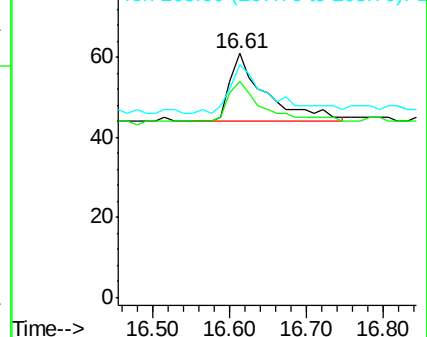
268 70.9 41.3 61.9#

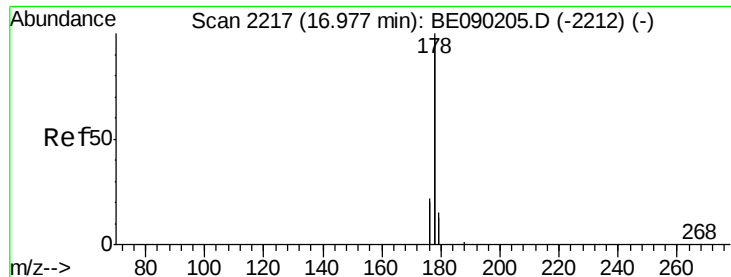


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.18 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.10 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

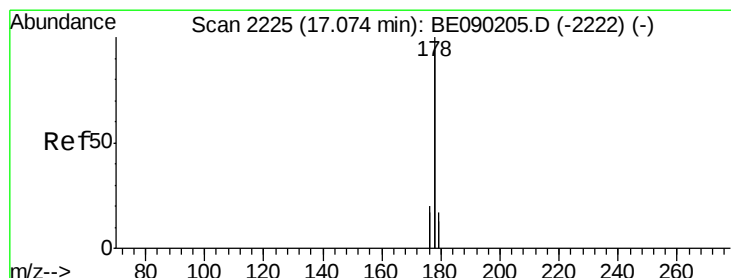
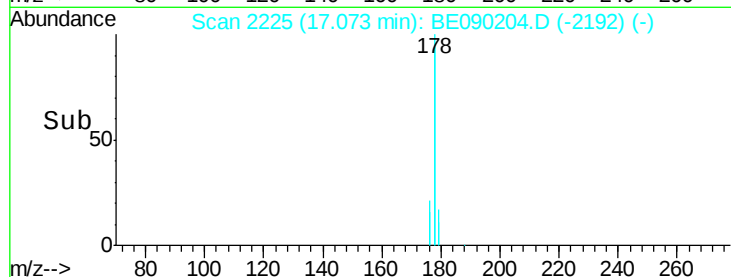
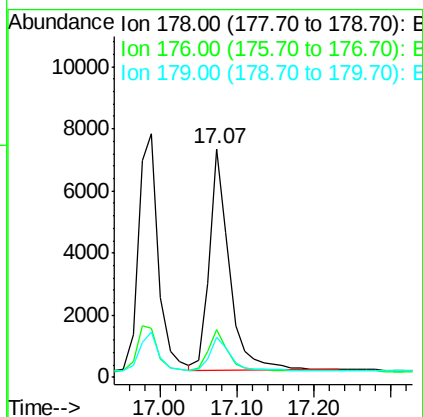
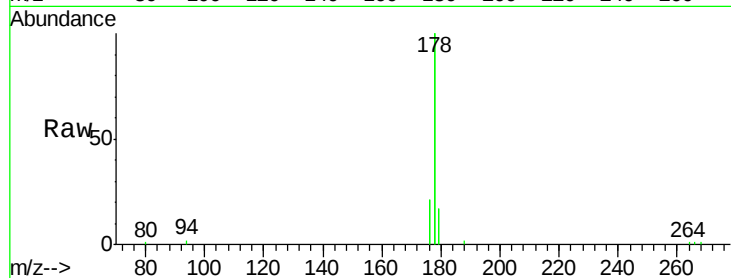
Tot Ion:178 Resp: 12939

Ion Ratio Lower Upper

178 100

176 21.1 17.6 26.4

179 17.3 12.2 18.4



#13

Anthracene

Concen: 0.20 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

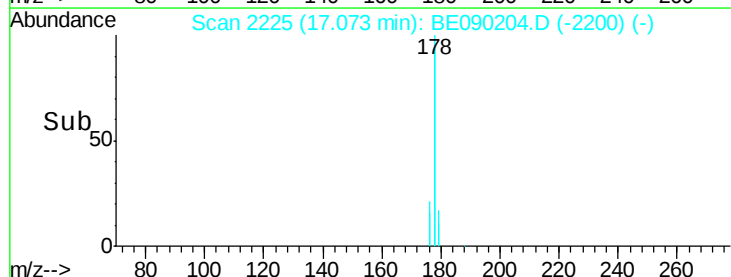
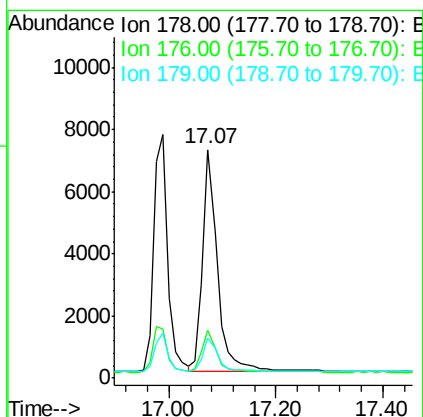
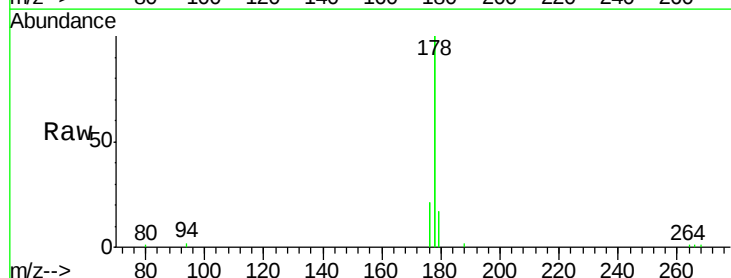
Tgt Ion:178 Resp: 13352

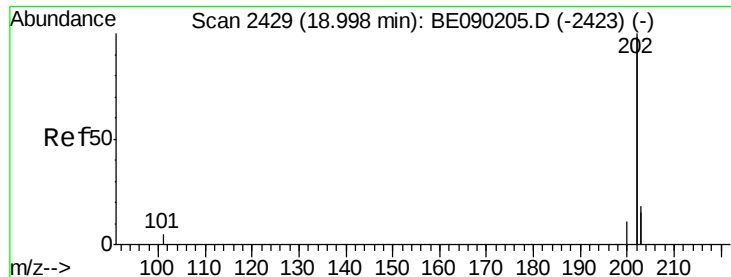
Ion Ratio Lower Upper

178 100

176 21.1 15.9 23.9

179 17.3 13.3 19.9

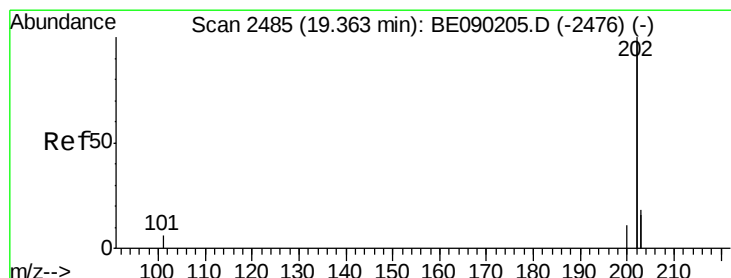
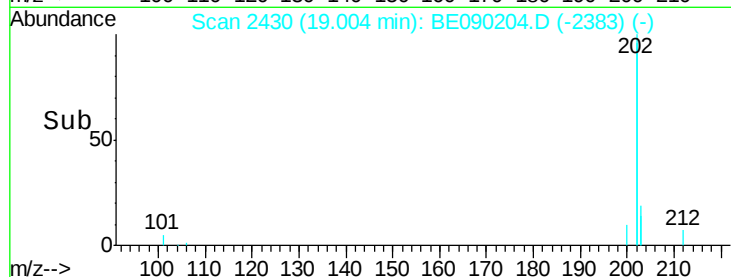
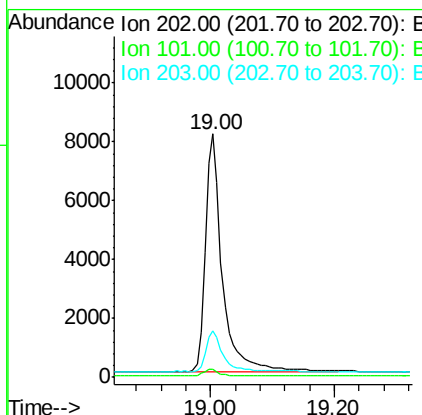
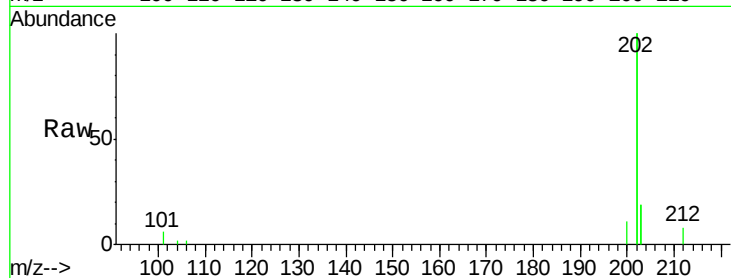




#15
 Fluoranthene
 Concen: 0.19 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090204.D
 Acq: 21 Jul 2015 17:55

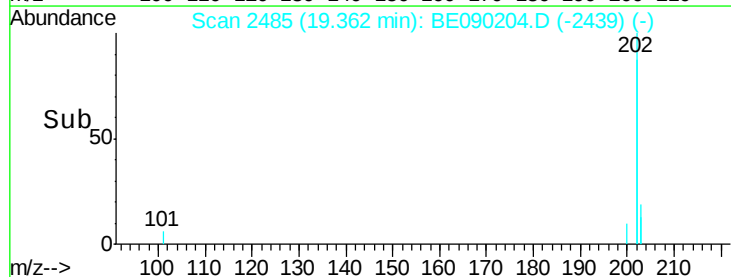
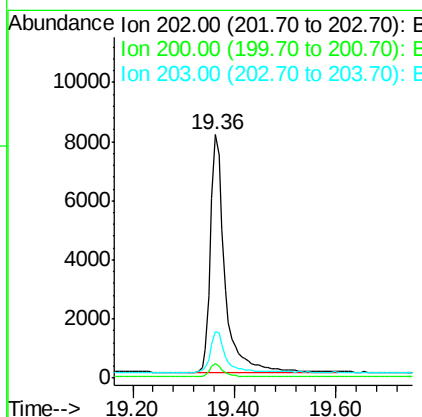
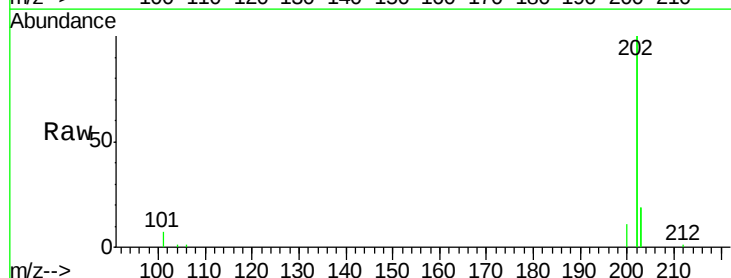
Instrument :
 BNA_E
 ClientSampleId :

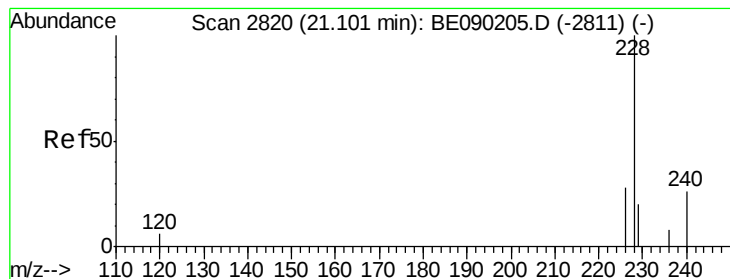
Tot Ion:202 Resp: 15473
 Ion Ratio Lower Upper
 202 100
 101 3.1 0.0 23.0
 203 19.1 0.0 37.8



#17
 Pyrene
 Concen: 0.26 ng/ul
 RT: 19.36 min Scan# 2485
 Delta R.T. -0.00 min
 Lab File: BE090204.D
 Acq: 21 Jul 2015 17:55

Tgt Ion:202 Resp: 15878
 Ion Ratio Lower Upper
 202 100
 200 5.7 4.4 6.6
 203 19.0 14.6 22.0





#18

Benzo(a)anthracene

Concen: 0.11 ng/ul

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

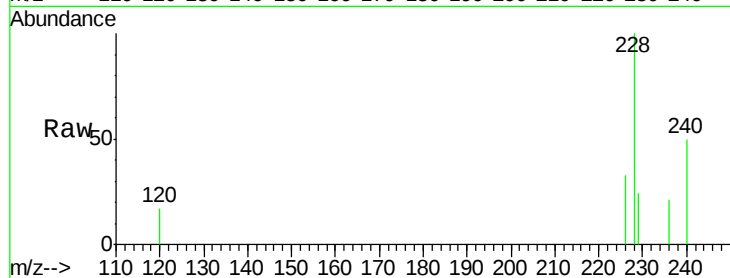
Tot Ion:228 Resp: 1264

Ion Ratio Lower Upper

228 100

226 32.8 24.1 36.1

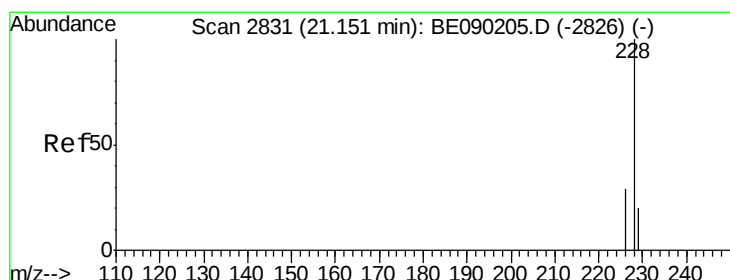
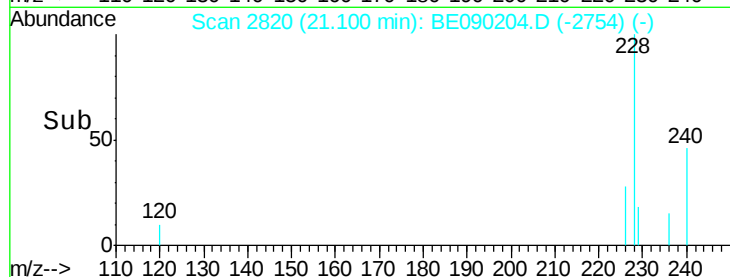
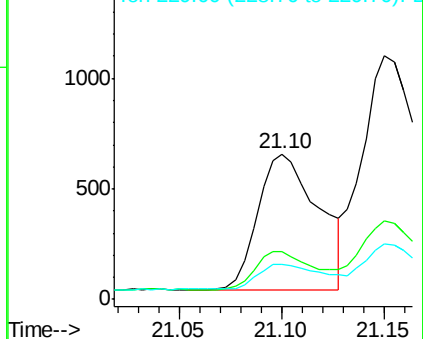
229 24.1 17.9 26.9



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: 0.23 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

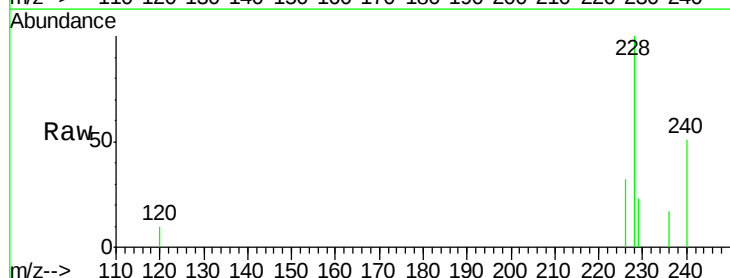
Tgt Ion:228 Resp: 3538

Ion Ratio Lower Upper

228 100

226 32.3 24.6 36.8

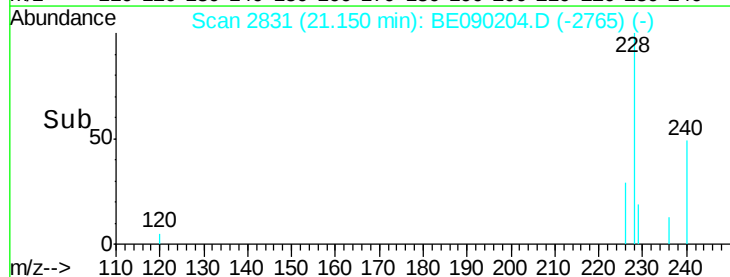
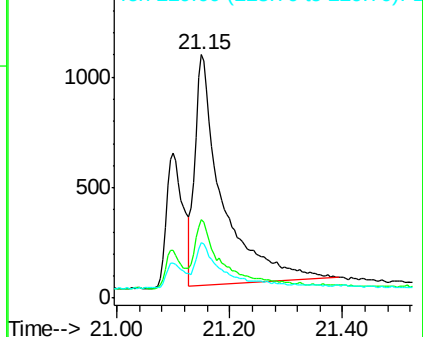
229 22.6 17.4 26.2

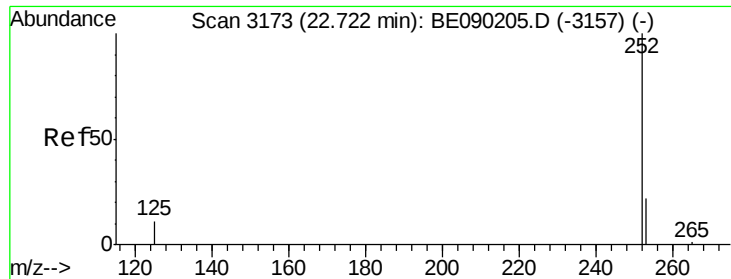


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.72 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

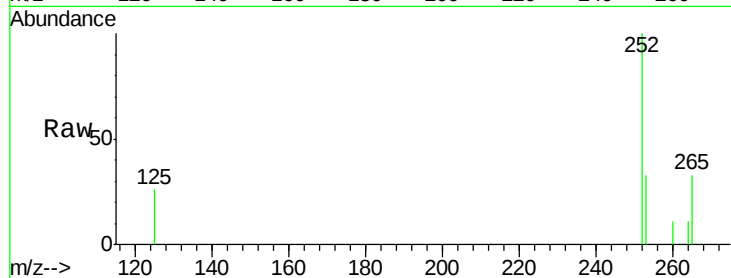
Tot Ion:252 Resp: 667

Ion Ratio Lower Upper

252 100

253 33.1 0.0 56.8

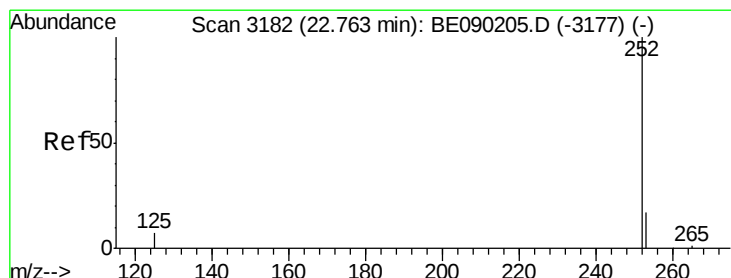
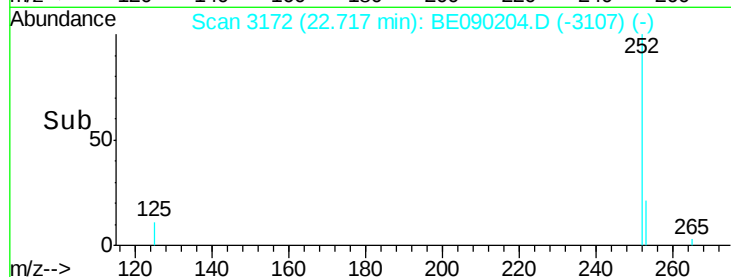
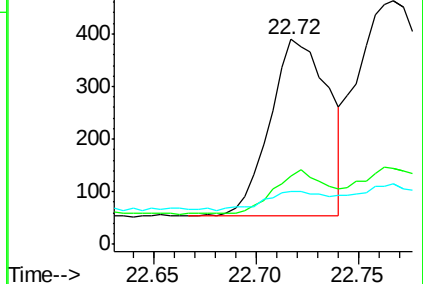
125 25.9 0.0 37.0



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: 0.09 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

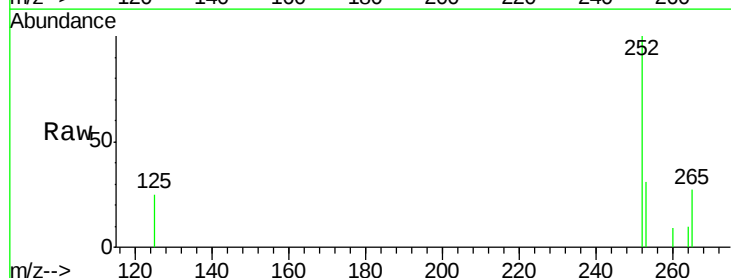
Tgt Ion:252 Resp: 972

Ion Ratio Lower Upper

252 100

253 31.3 19.5 29.3#

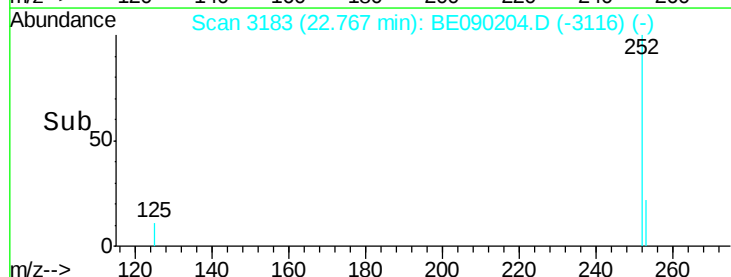
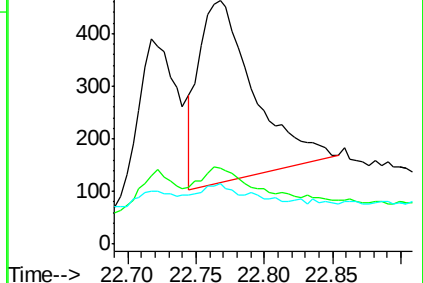
125 25.1 11.9 17.9#

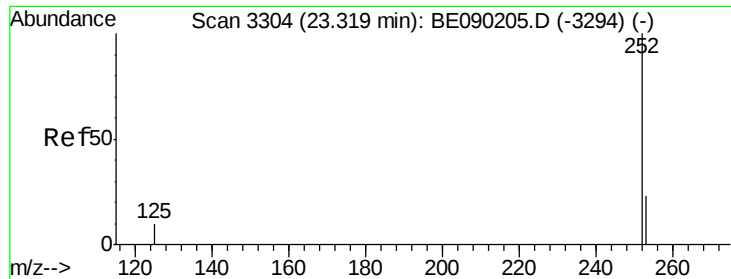


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.13 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

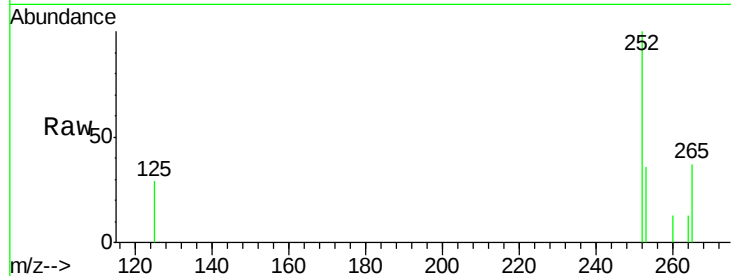
Tot Ion:252 Resp: 960

Ion Ratio Lower Upper

252 100

253 35.8 23.7 35.5#

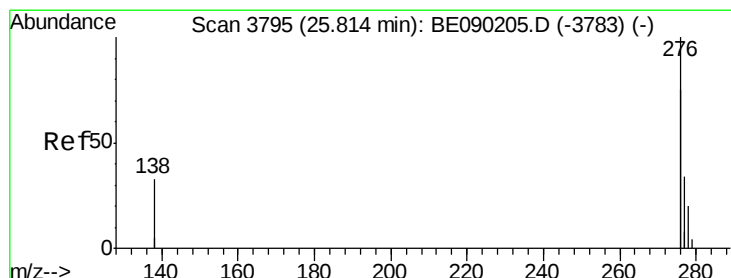
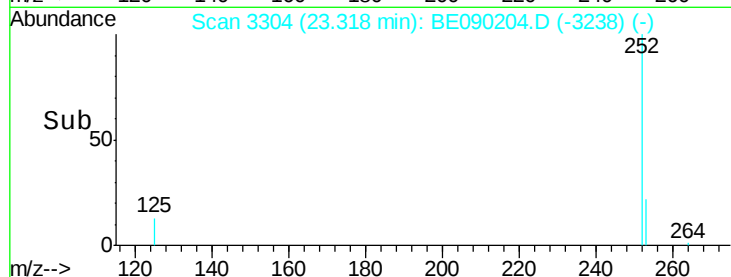
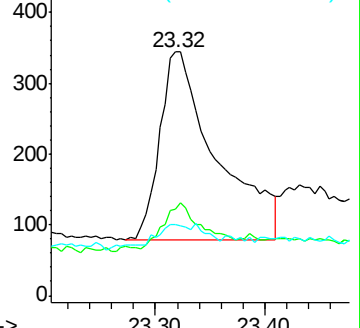
125 29.4 15.4 23.2#



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: 0.08 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

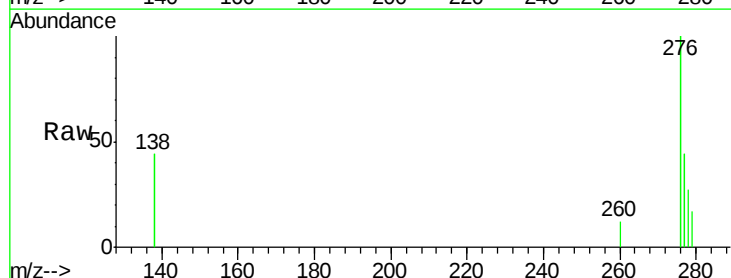
Tgt Ion:276 Resp: 2638

Ion Ratio Lower Upper

276 100

138 23.3 16.9 25.3

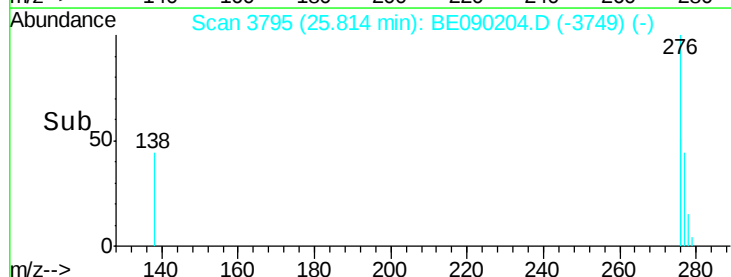
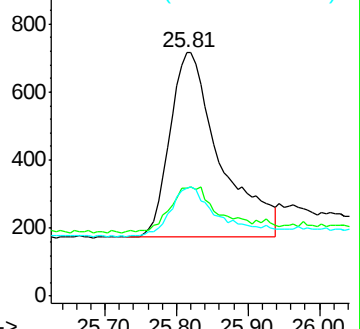
277 26.5 17.0 25.4#

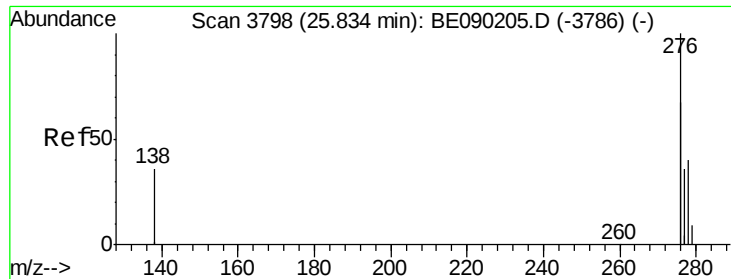


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE090204.D

Acq: 21 Jul 2015 17:55

Instrument :

BNA_E

ClientSampleId :

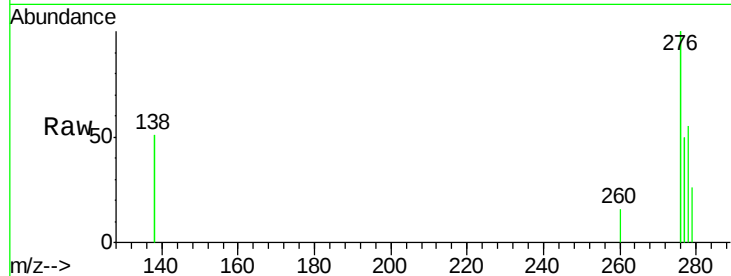
Tot Ion:278 Resp: 435

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

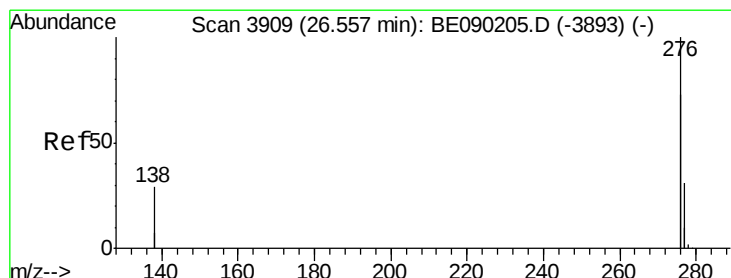
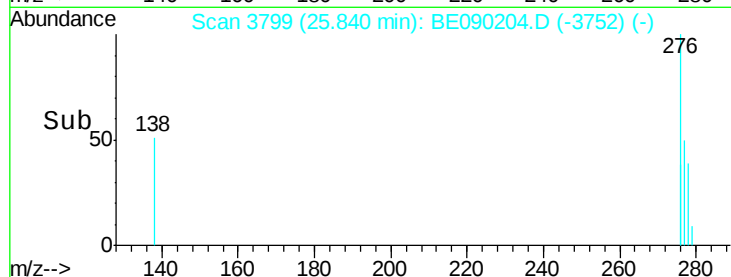
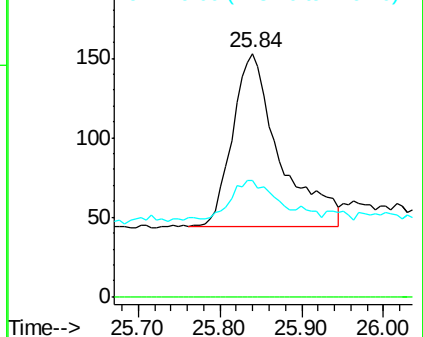
279 47.7 30.1 45.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.14 ng/ul

RT: 26.55 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BE090204.D

Acq: 21 Jul 2015 17:55

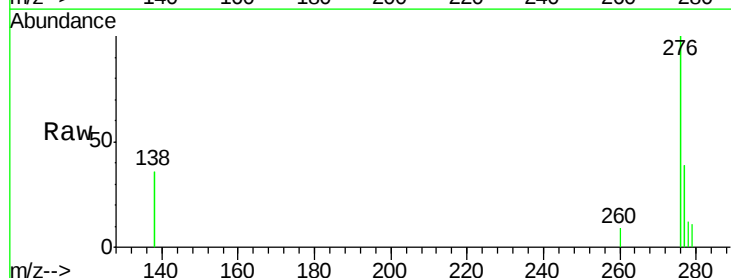
Tgt Ion:276 Resp: 4454

Ion Ratio Lower Upper

276 100

277 38.7 24.6 36.8#

138 36.3 23.5 35.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

