

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072215\
 Data File : BE090217.D
 Acq On : 22 Jul 2015 1:59
 Operator : TP/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 22 04:58:42 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	792	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3819	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2179	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5771	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3997	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2108	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2391	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6480	0.39	ng/ul	0.00

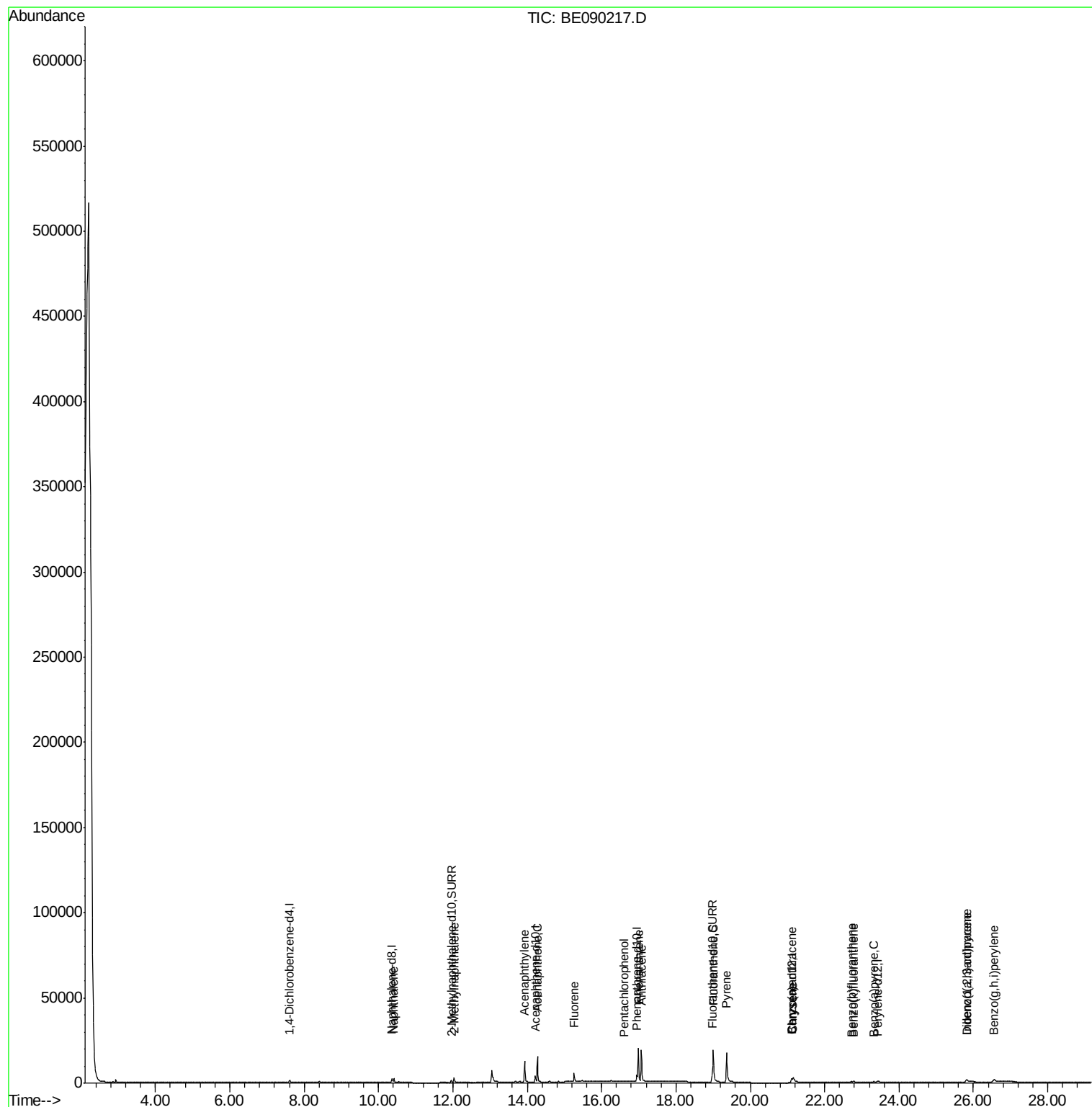
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	3949	0.39	ng/ul	100
5) 2-Methylnaphthalene	12.03	142	2668	0.39	ng/ul	99
7) Acenaphthylene	13.93	152	18246	0.40	ng/ul	98
8) Acenaphthene	14.27	153	12928	0.39	ng/ul	98
9) Fluorene	15.26	166	3745	0.37	ng/ul	98
11) Pentachlorophenol	16.61	266	106	0.30	ng/ul	94
12) Phenanthrene	16.99	178	25422	0.38	ng/ul	95
13) Anthracene	17.07	178	25288	0.40	ng/ul	99
15) Fluoranthene	19.00	202	28820	0.38	ng/ul	100
17) Pyrene	19.36	202	29354	0.45	ng/ul	100
18) Benzo(a)anthracene	21.10	228	1731	0.28	ng/ul	96
19) Chrysene	21.15	228	6419	0.39	ng/ul	99
21) Benzo(b)fluoranthene	22.72	252	1000	0.37	ng/ul	96
22) Benzo(k)fluoranthene	22.77	252	1731	0.22	ng/ul#	92
23) Benzo(a)pyrene	23.32	252	1456	0.35	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.82	276	4030	0.33	ng/ul	97
25) Dibenzo(a,h)anthracene	25.84	278	620	0.31	ng/ul	92
26) Benzo(g,h,i)perylene	26.56	276	5433	0.31	ng/ul	91

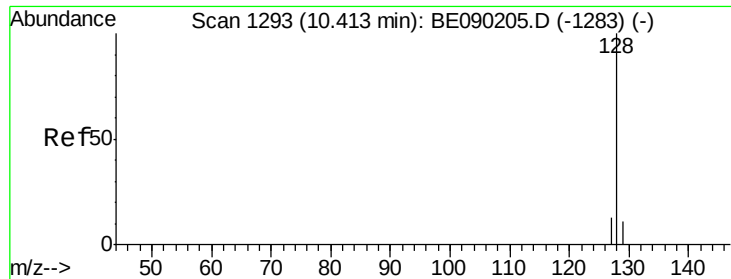
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

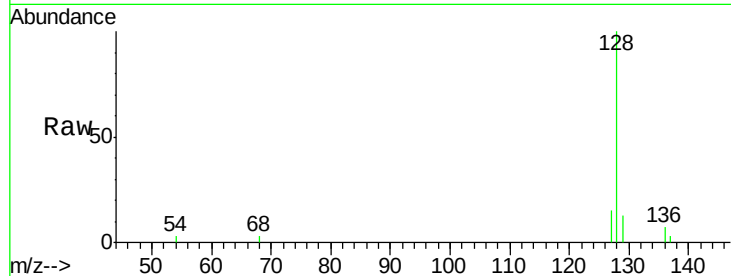
Tot Ion:128 Resp: 3949

Ion Ratio Lower Upper

128 100

129 12.9 10.2 15.2

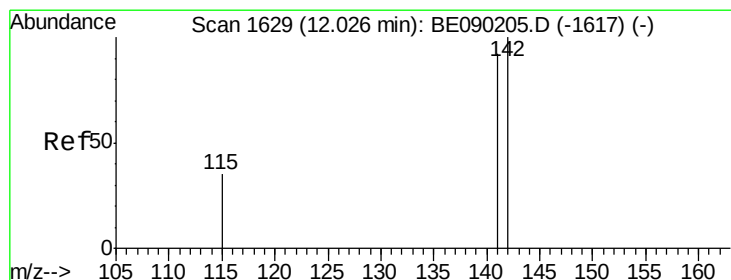
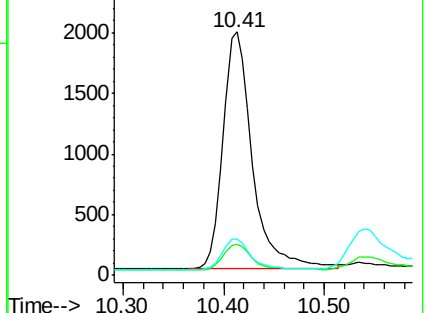
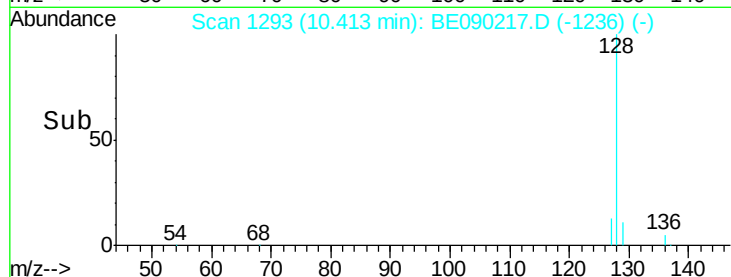
127 14.7 11.8 17.6



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: 0.39 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE090217.D

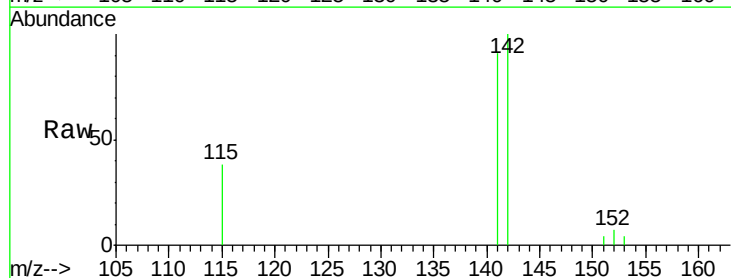
Acq: 22 Jul 2015 1:59

Tgt Ion:142 Resp: 2668

Ion Ratio Lower Upper

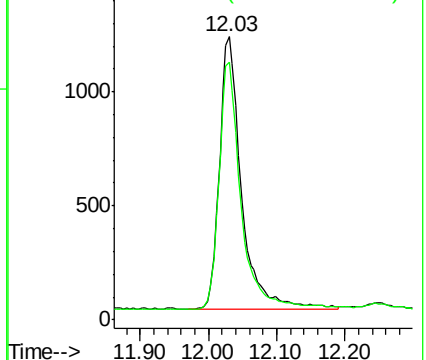
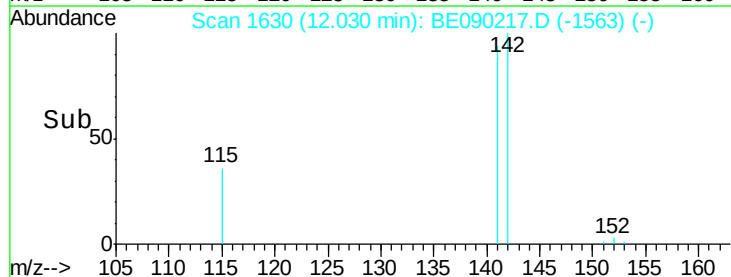
142 100

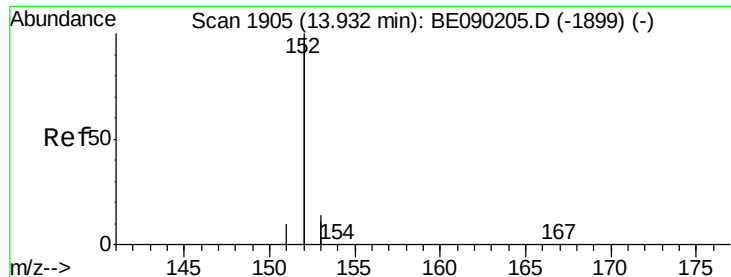
141 90.7 73.0 109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

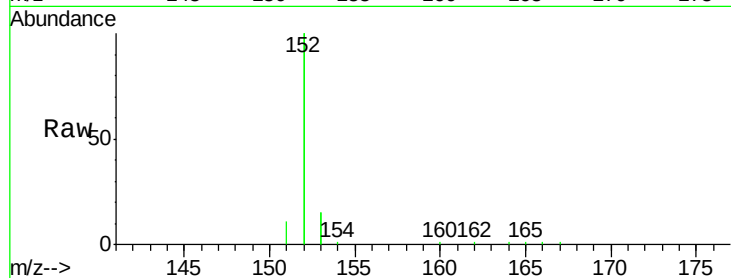
Tot Ion:152 Resp: 18246

Ion Ratio Lower Upper

152 100

151 5.4 4.2 6.4

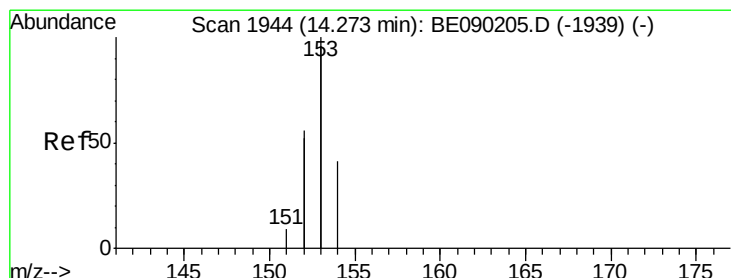
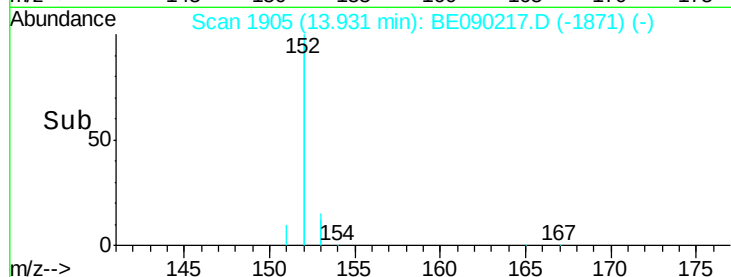
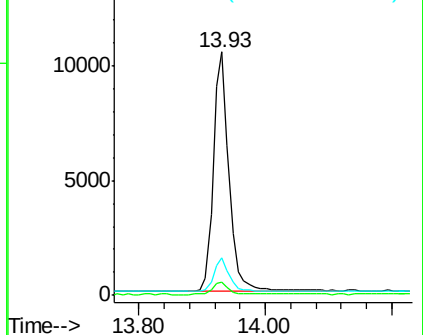
153 15.4 11.5 17.3



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: 0.39 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

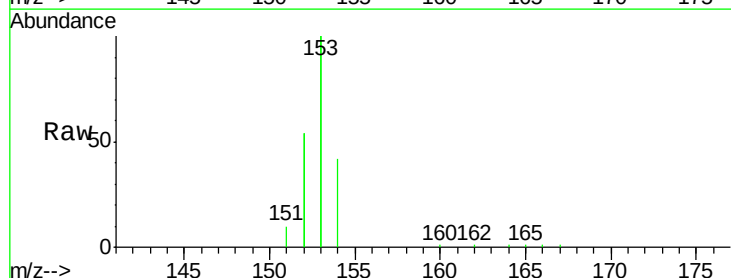
Tgt Ion:153 Resp: 12928

Ion Ratio Lower Upper

153 100

152 54.4 45.0 67.4

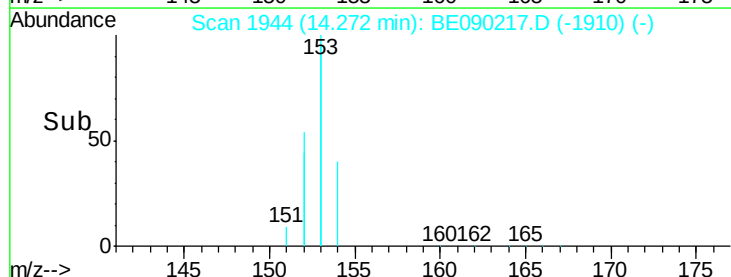
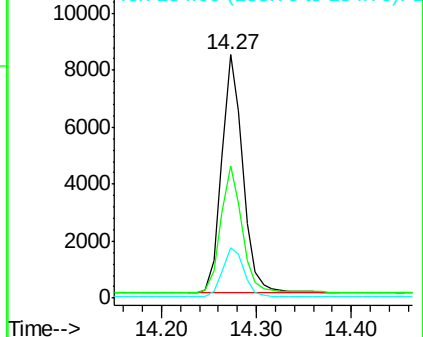
154 20.8 16.8 25.2

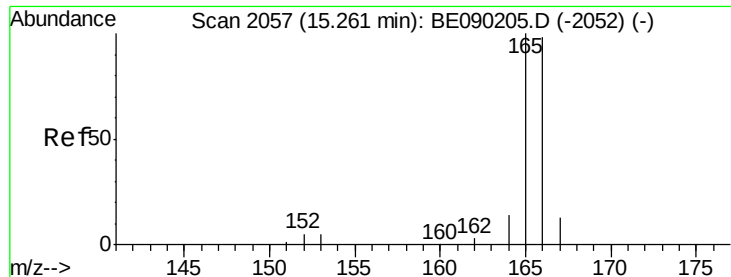


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.37 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

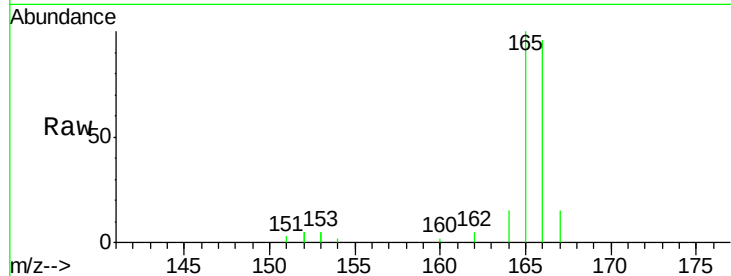
Tot Ion:166 Resp: 3745

Ion Ratio Lower Upper

166 100

165 104.5 81.9 122.9

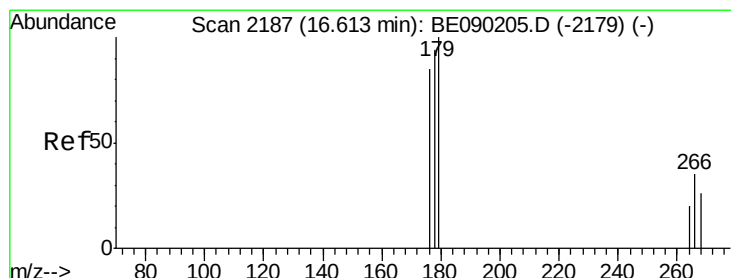
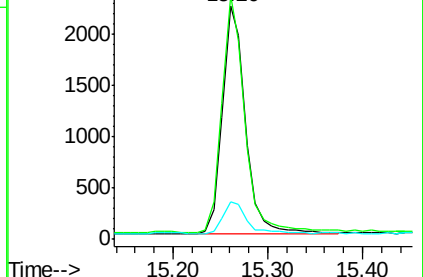
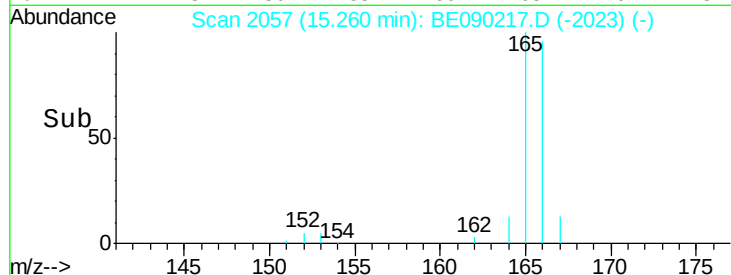
167 15.9 12.2 18.2



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: 0.30 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

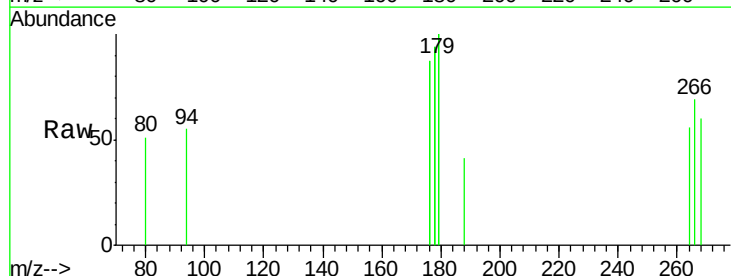
Tgt Ion:266 Resp: 106

Ion Ratio Lower Upper

266 100

264 68.9 51.6 77.4

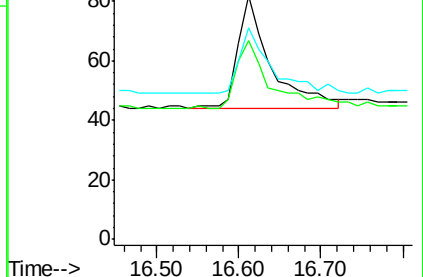
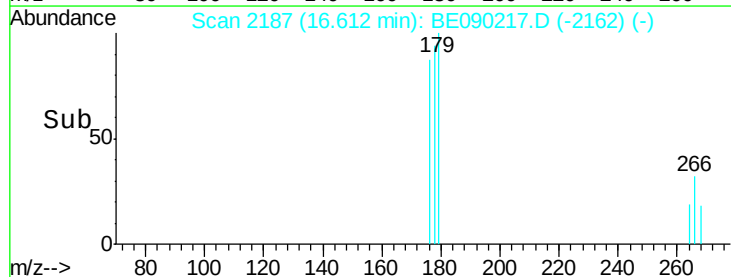
268 56.6 41.3 61.9

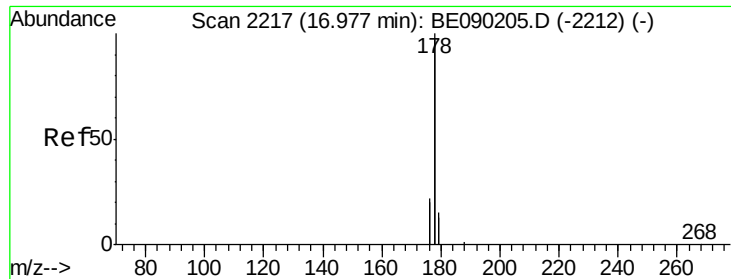


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

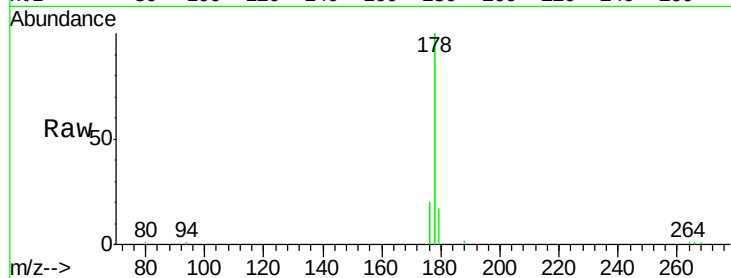
Tot Ion:178 Resp: 25422

Ion Ratio Lower Upper

178 100

176 19.6 17.6 26.4

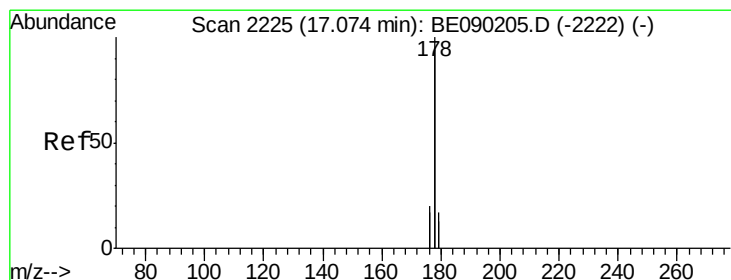
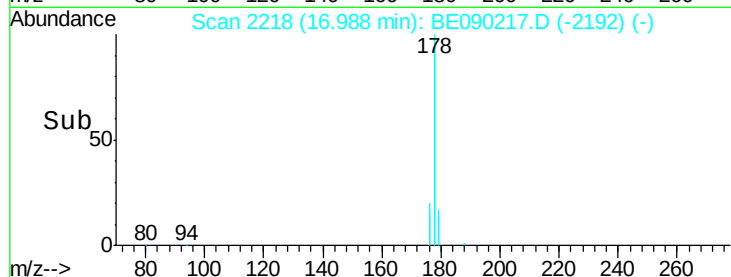
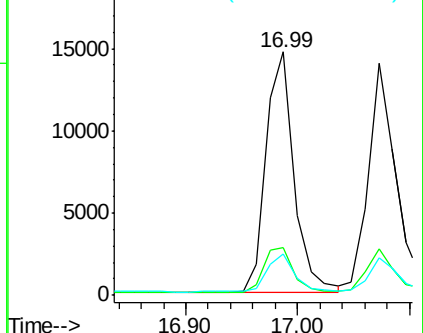
179 17.2 12.2 18.4



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: 0.40 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

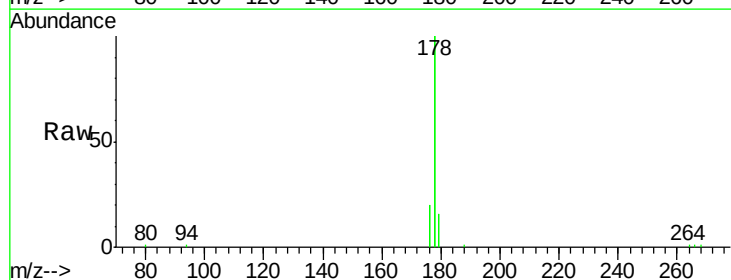
Tgt Ion:178 Resp: 25288

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

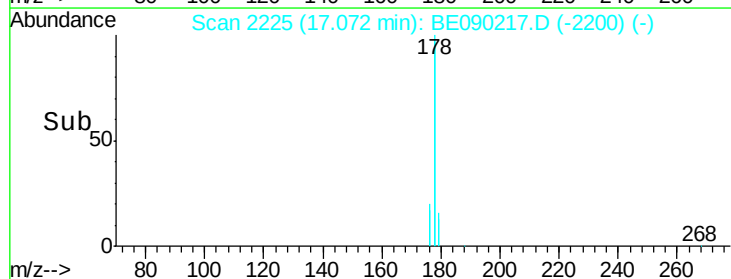
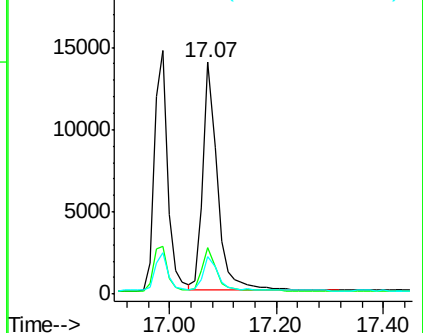
179 16.1 13.3 19.9

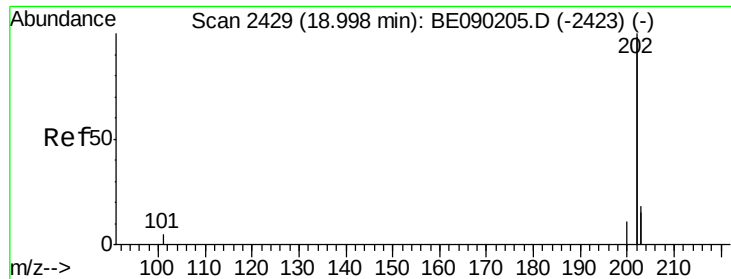


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

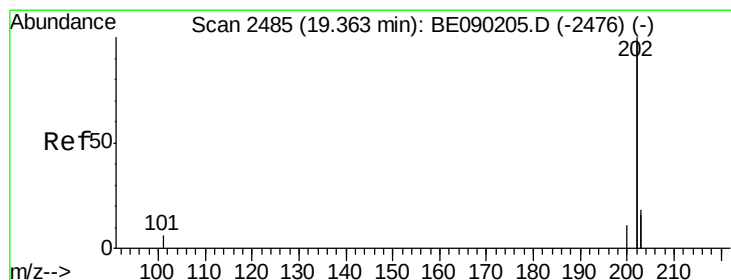
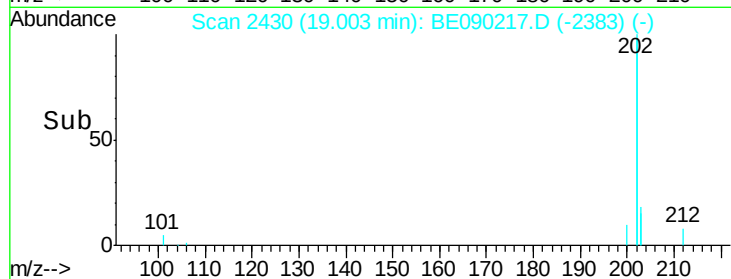
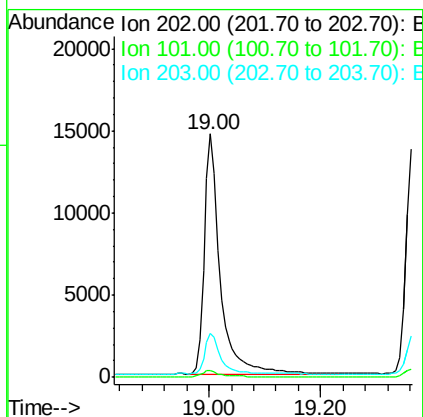
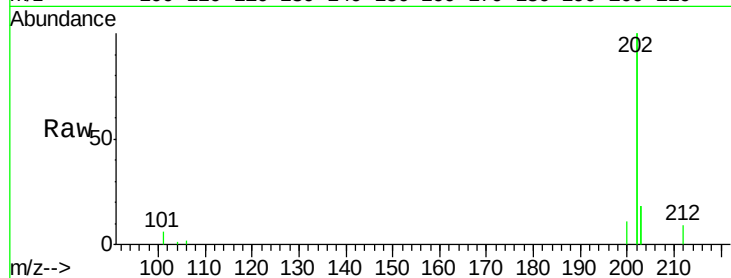




#15
Fluoranthene
Concen: 0.38 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

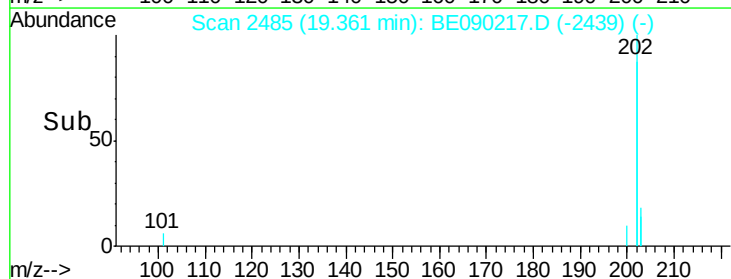
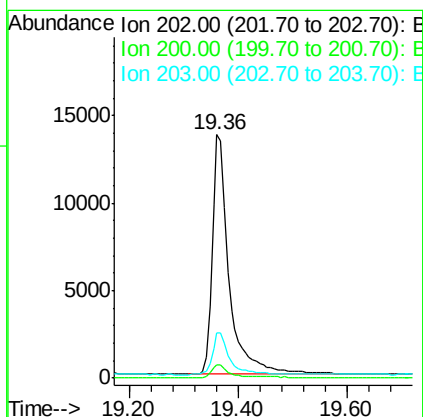
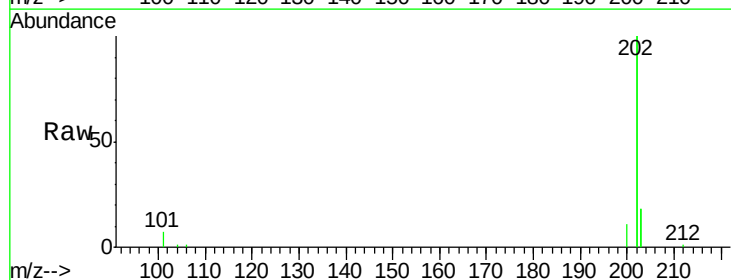
Instrument :
BNA_E
ClientSampleId :

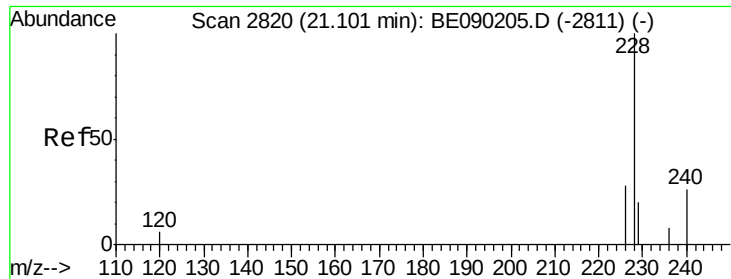
Tot Ion:202 Resp: 28820
Ion Ratio Lower Upper
202 100
101 2.8 0.0 23.0
203 17.8 0.0 37.8



#17
Pyrene
Concen: 0.45 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

Tgt Ion:202 Resp: 29354
Ion Ratio Lower Upper
202 100
200 5.7 4.4 6.6
203 18.3 14.6 22.0

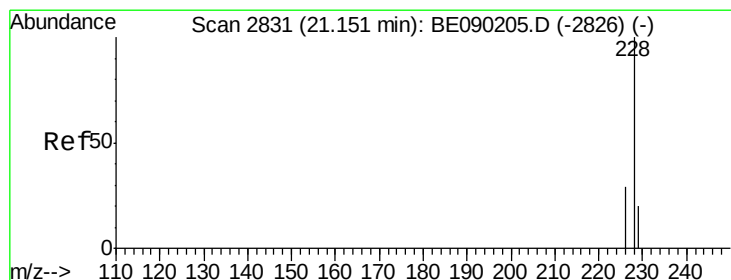
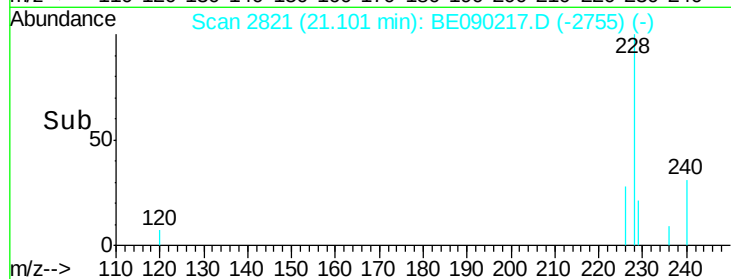
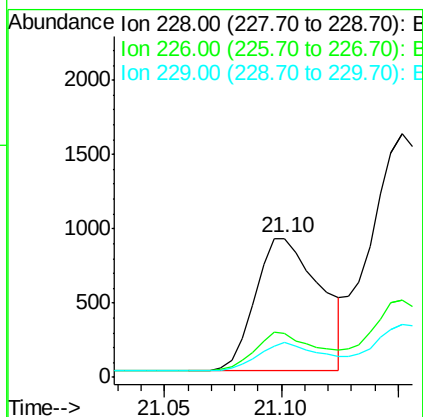
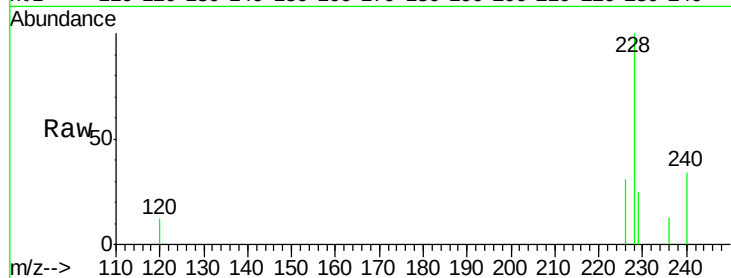




#18
Benzo(a)anthracene
Concen: 0.28 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

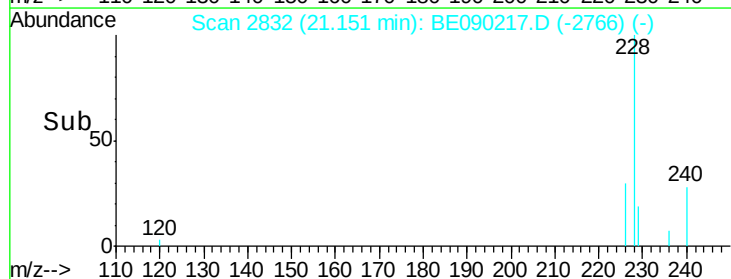
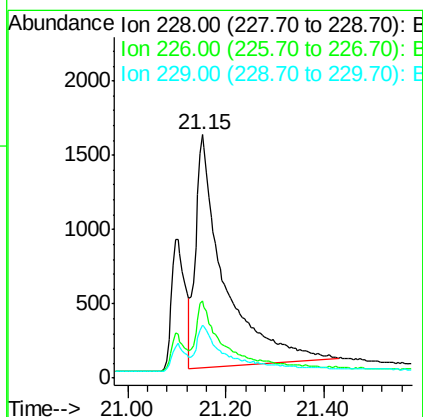
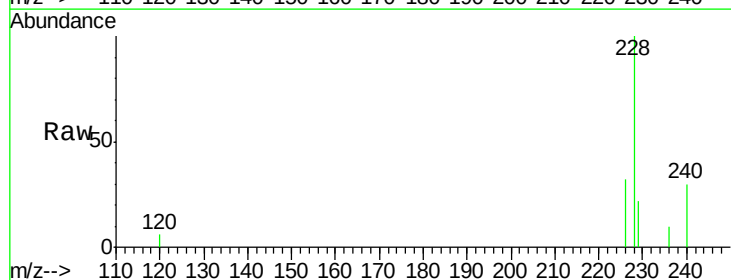
Instrument :
BNA_E
ClientSampleId :

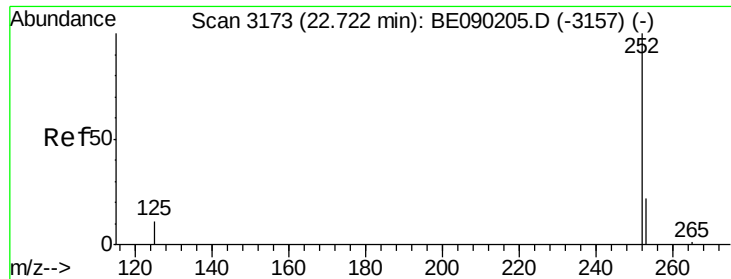
Tot Ion:228 Resp: 1731
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 25.1 17.9 26.9



#19
Chrysene
Concen: 0.39 ng/ul
RT: 21.15 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

Tgt Ion:228 Resp: 6419
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 21.5 17.4 26.2





#21

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 22.72 min Scan# 3172

Delta R.T. -0.01 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

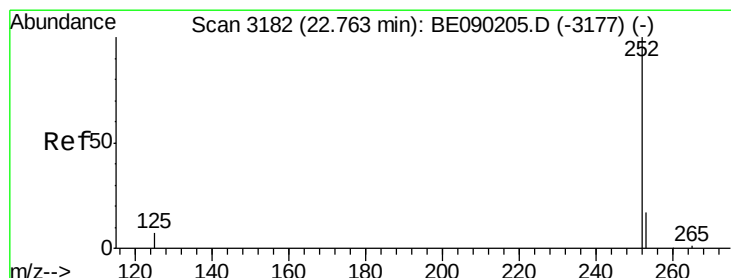
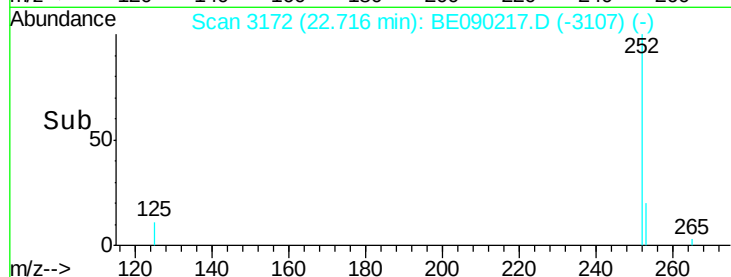
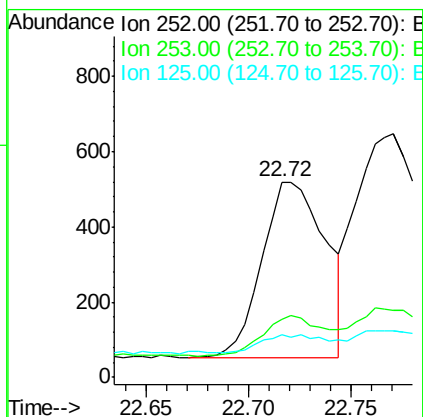
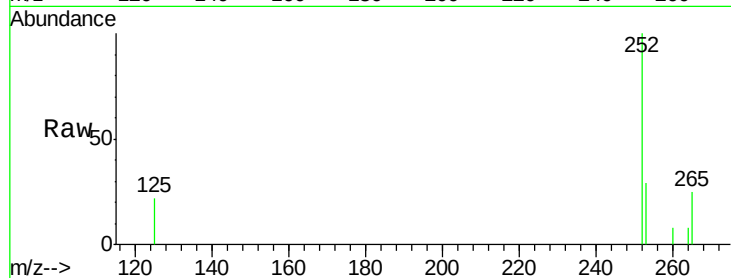
Tot Ion:252 Resp: 1000

Ion Ratio Lower Upper

252 100

253 29.4 0.0 56.8

125 21.7 0.0 37.0



#22

Benzo(k)fluoranthene

Concen: 0.22 ng/ul

RT: 22.77 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

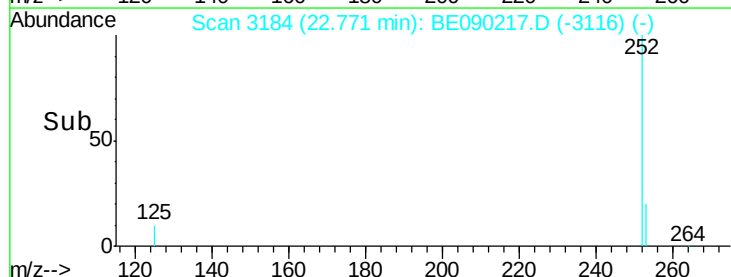
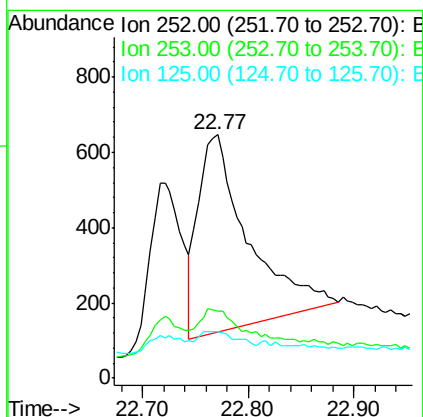
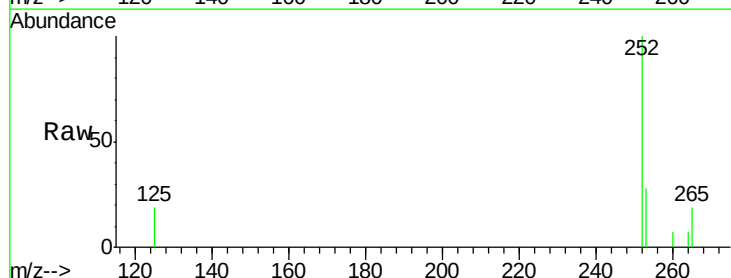
Tgt Ion:252 Resp: 1731

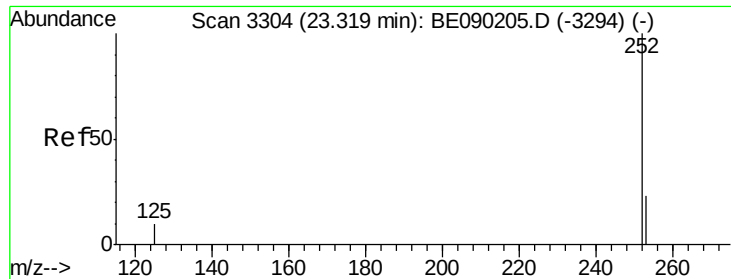
Ion Ratio Lower Upper

252 100

253 27.7 19.5 29.3

125 19.2 11.9 17.9#





#23

Benzo(a)pyrene

Concen: 0.35 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

Instrument :

BNA_E

ClientSampleId :

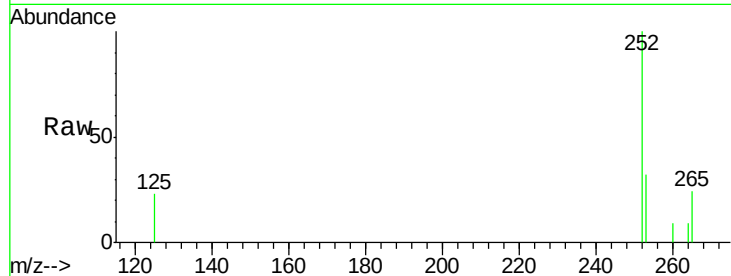
Tot Ion:252 Resp: 1456

Ion Ratio Lower Upper

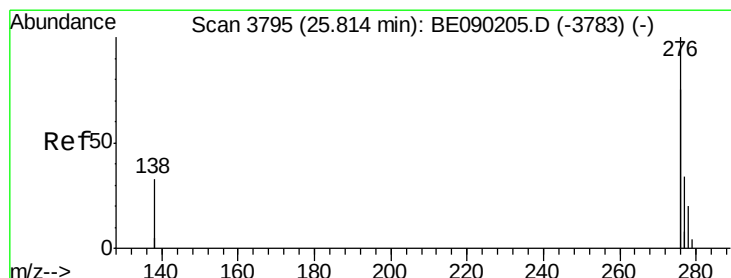
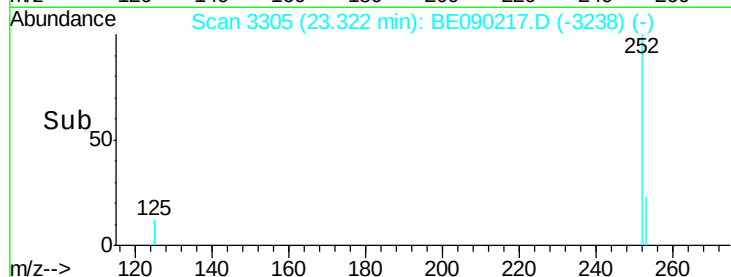
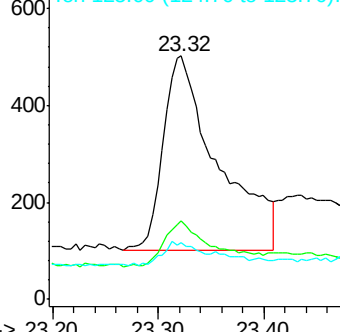
252 100

253 32.5 23.7 35.5

125 23.3 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: 0.33 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090217.D

Acq: 22 Jul 2015 1:59

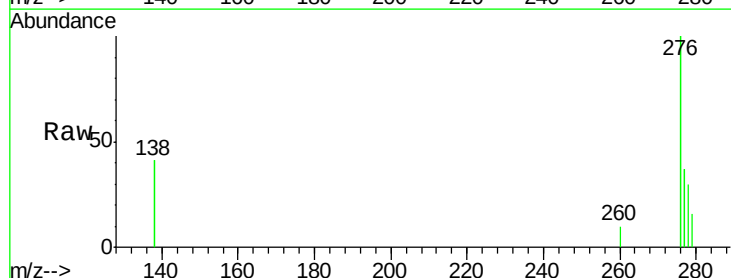
Tgt Ion:276 Resp: 4030

Ion Ratio Lower Upper

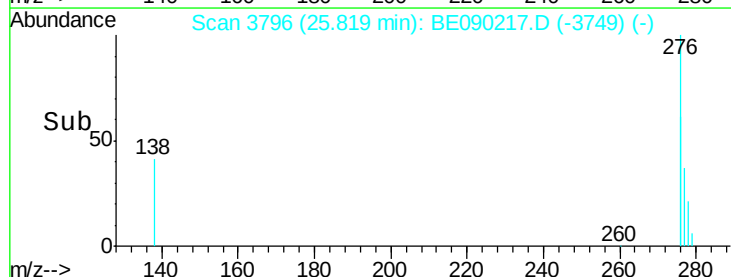
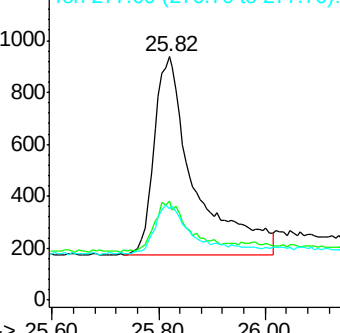
276 100

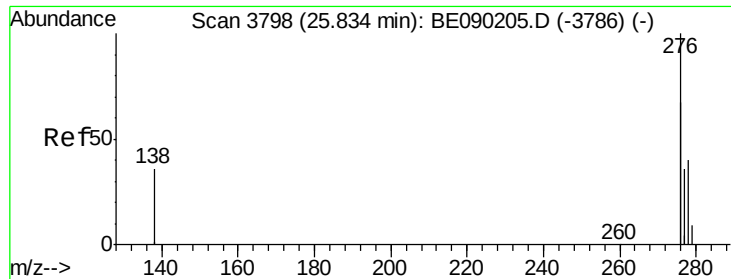
138 21.2 16.9 25.3

277 24.0 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

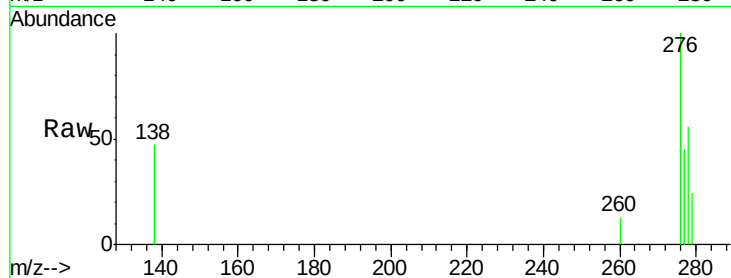




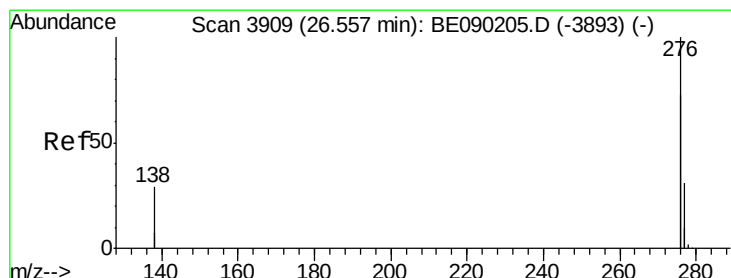
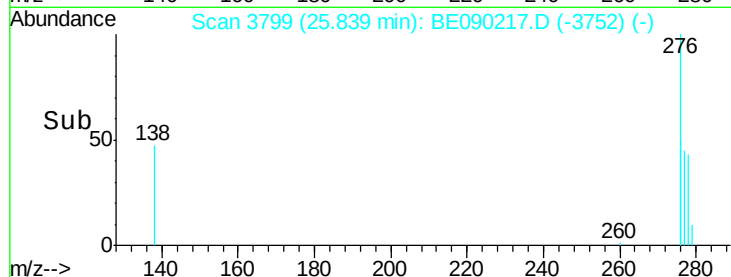
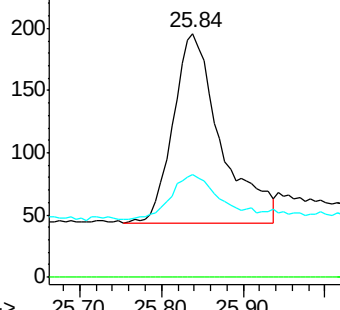
#25
Dibenzo(a,h)anthracene
Concen: 0.31 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 620
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 42.3 30.1 45.1

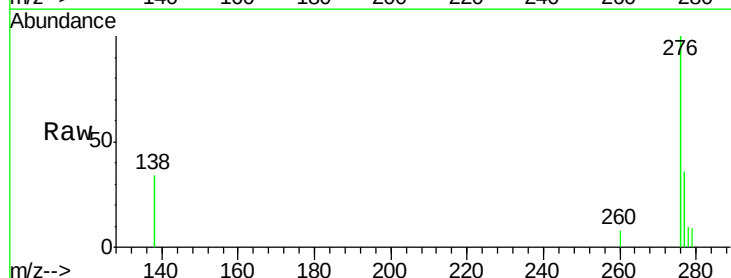


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BE090217.D
Acq: 22 Jul 2015 1:59

Tgt Ion:276 Resp: 5433
Ion Ratio Lower Upper
276 100
277 36.0 24.6 36.8
138 33.9 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

