

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032515\
 Data File : BE089844.D
 Acq On : 25 Mar 2015 19:27
 Operator : TP/JJ
 Sample : G1575-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-12V

Quant Time: Mar 26 06:11:52 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	252186	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	999452	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	450025	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	707561	5.00	ng	0.00
19) Chrysene-d12	24.27	240	614656	5.00	ng	0.00
25) Perylene-d12	27.42	264	558370	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	586928	8.06	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	875598	8.31	ng	0.00
21) Terphenyl-d14	21.87	244	818425	9.03	ng	0.00

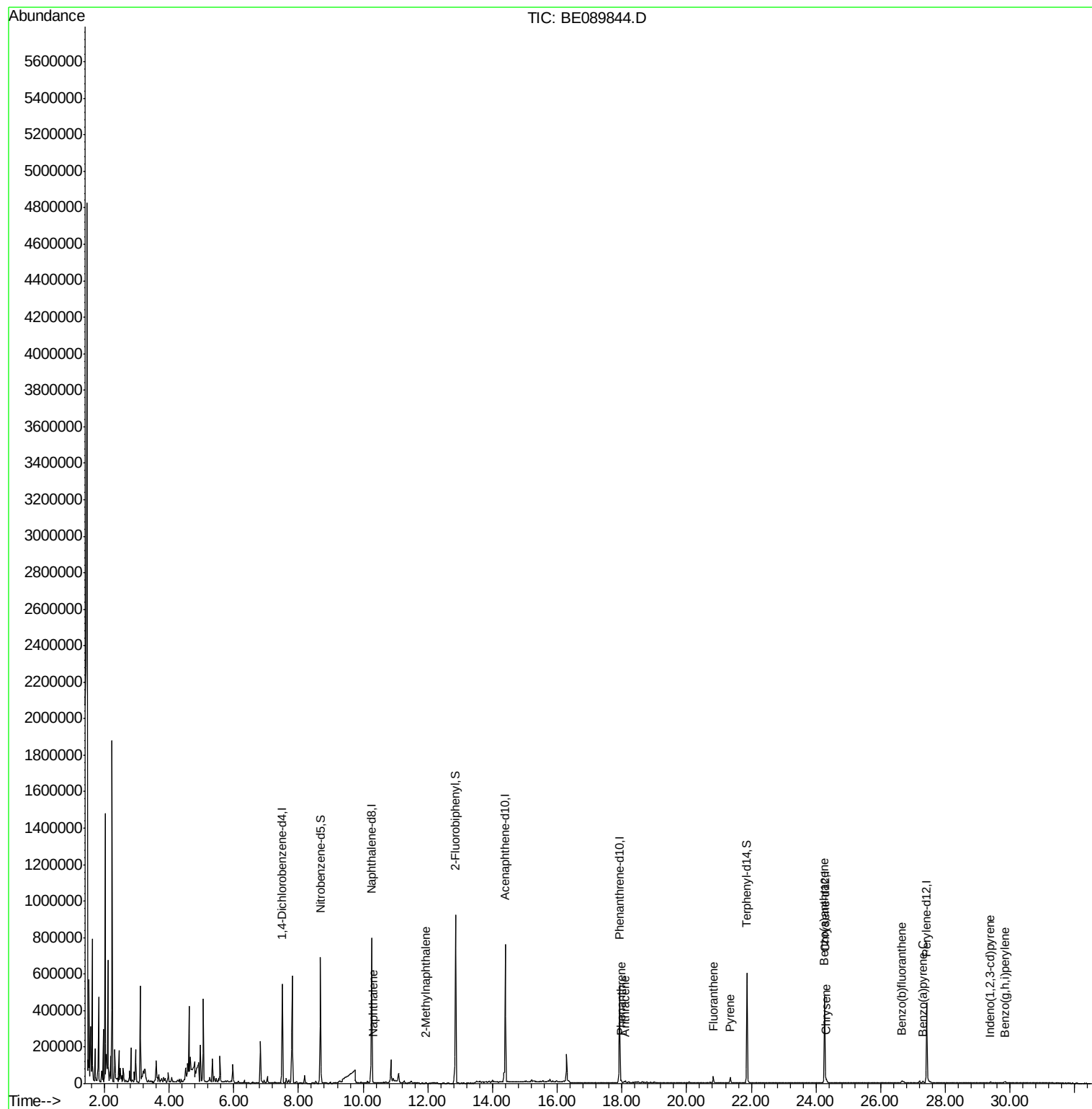
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Naphthalene	10.31	128	6765	0.03	ng	# 62
7) 2-Methylnaphthalene	11.93	142	3632	0.03	ng	# 69
16) Phenanthrene	17.98	178	19552	0.13	ng	94
17) Anthracene	18.10	178	7301m	0.05	ng	
18) Fluoranthene	20.83	202	40624	0.29	ng	97
20) Pyrene	21.35	202	34920	0.22	ng	95
22) Benzo(a)anthracene	24.25	228	14646	0.13	ng	# 83
23) Chrysene	24.32	228	22260	0.18	ng	# 90
24) Indeno(1,2,3-cd)pyrene	29.39	276	10848	0.50	ng	# 81
26) Benzo(b)fluoranthene	26.65	252	24015	0.50	ng	# 76
28) Benzo(a)pyrene	27.30	252	11966	0.40	ng	# 70
30) Benzo(g,h,i)perylene	29.84	276	13299	0.36	ng	# 95

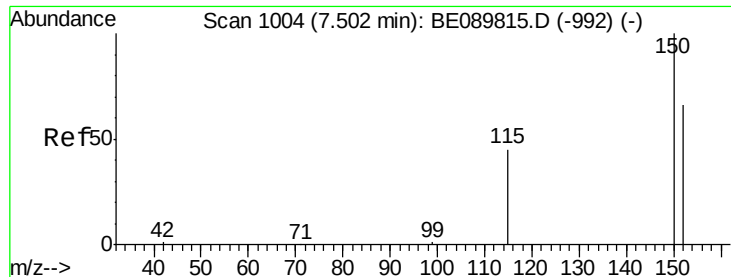
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V

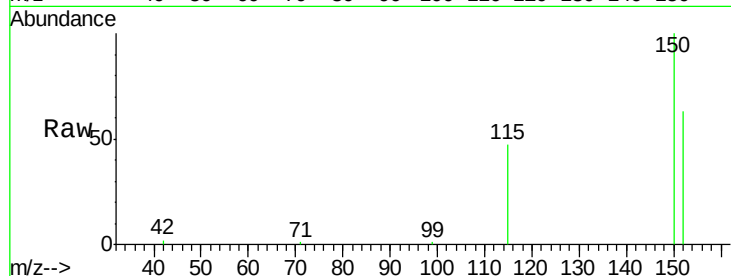
Tgt Ion:152 Resp: 252186

Ion Ratio Lower Upper

152 100

150 158.8 125.5 188.3

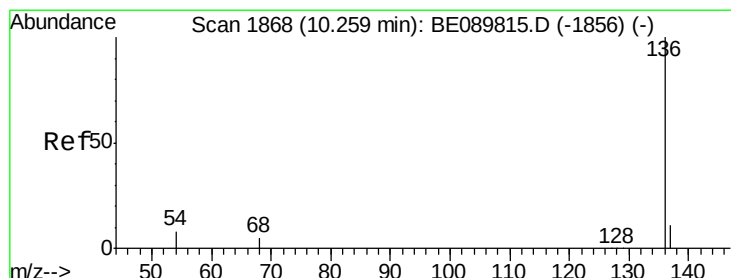
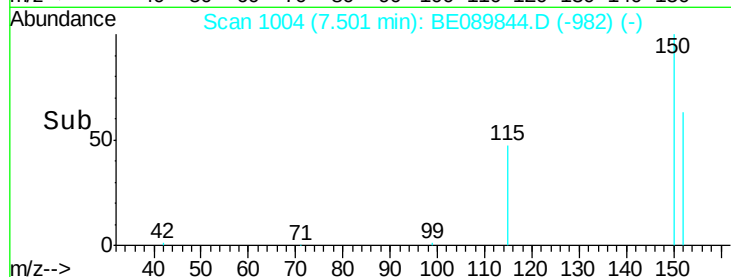
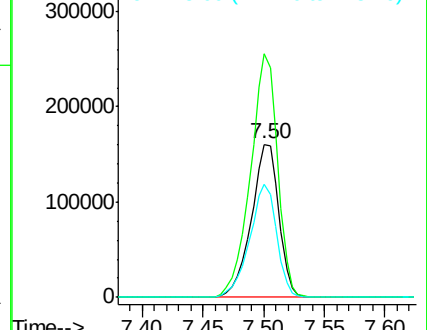
115 74.1 58.0 87.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

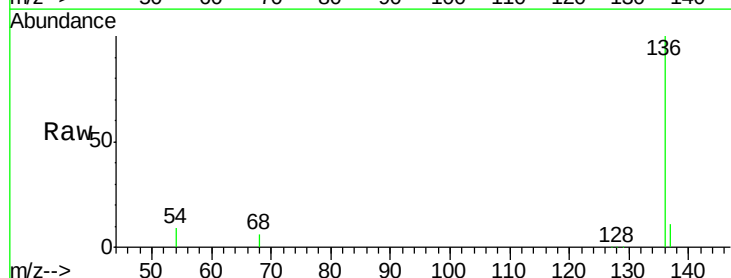
Tgt Ion:136 Resp: 999452

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

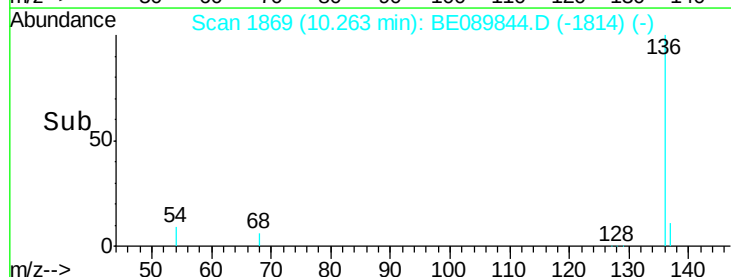
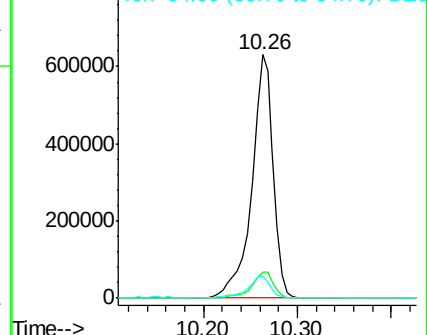
54 9.1 7.0 10.4

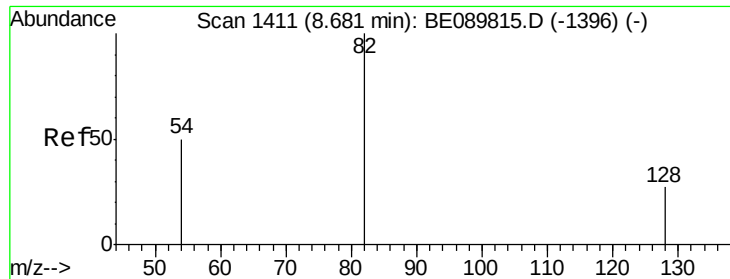


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

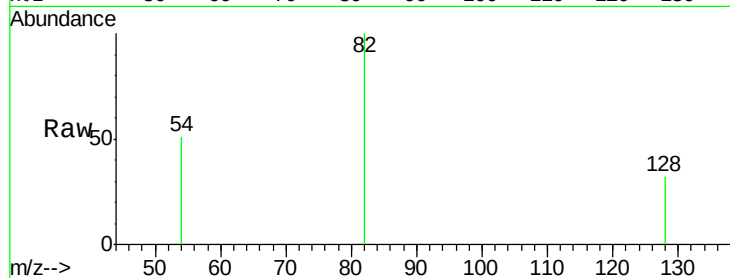




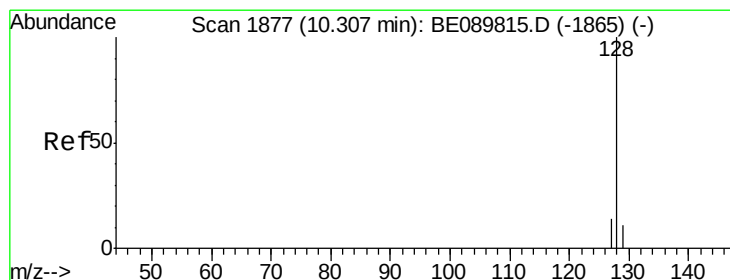
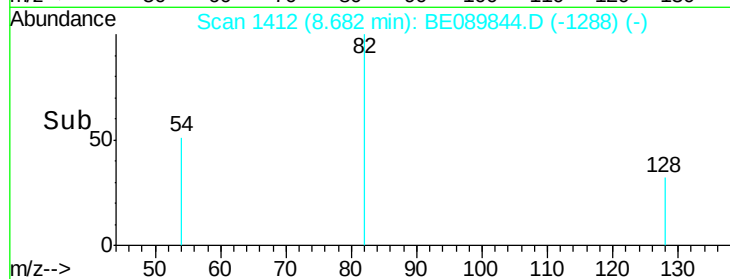
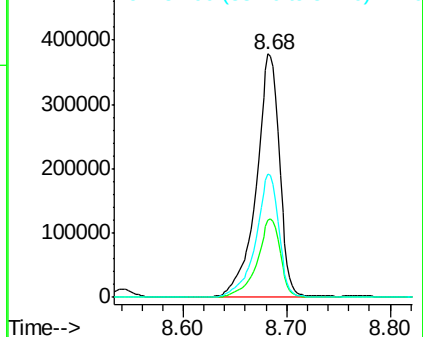
#5
 Nitrobenzene-d5
 Concen: 8.06 ng
 RT: 8.68 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

Instrument :
 BNA_E
 ClientSampled :
 RW-12V

Tgt Ion: 82 Resp: 586928
 Ion Ratio Lower Upper
 82 100
 128 31.9 24.6 37.0
 54 50.6 43.0 64.6

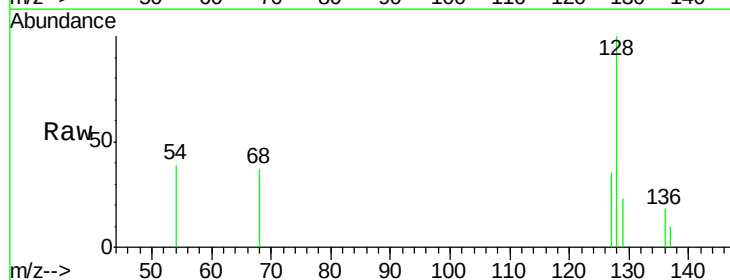


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BE0

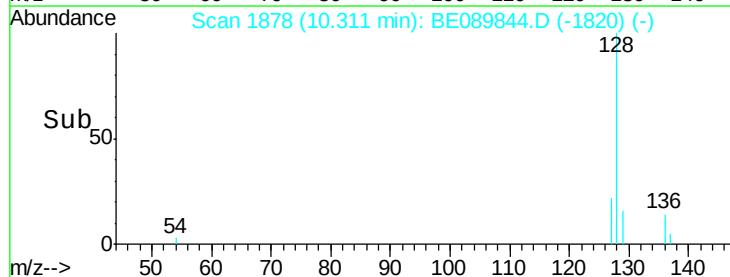
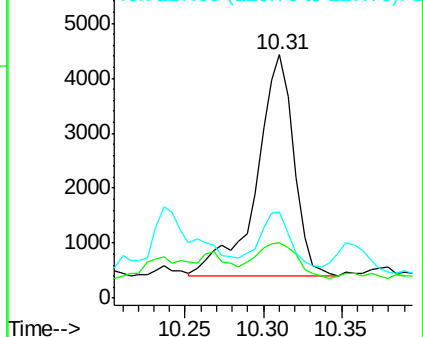


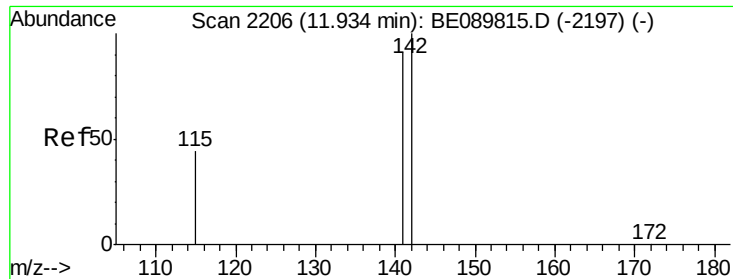
#6
 Naphthalene
 Concen: 0.03 ng
 RT: 10.31 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

Tgt Ion: 128 Resp: 6765
 Ion Ratio Lower Upper
 128 100
 129 23.0 10.0 15.0#
 127 35.5 12.5 18.7#



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





#7

2-Methylnaphthalene

Concen: 0.03 ng

RT: 11.93 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V

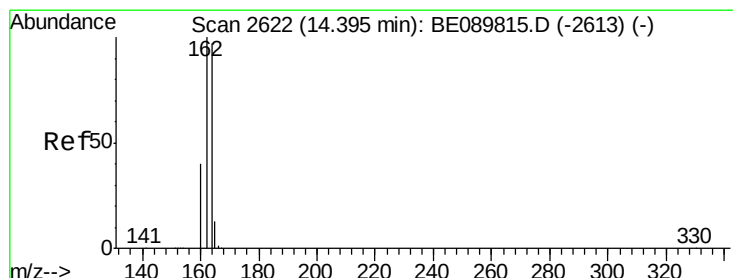
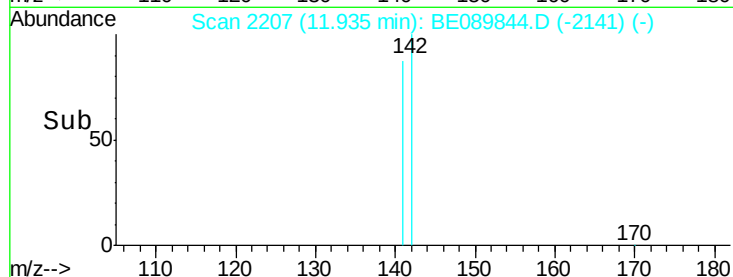
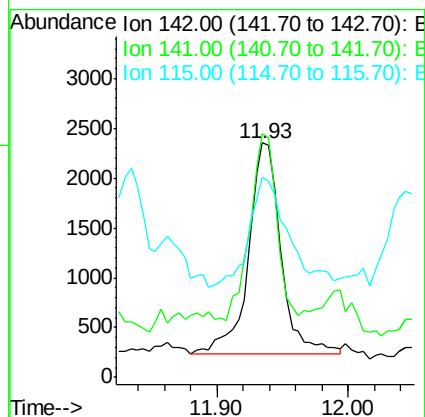
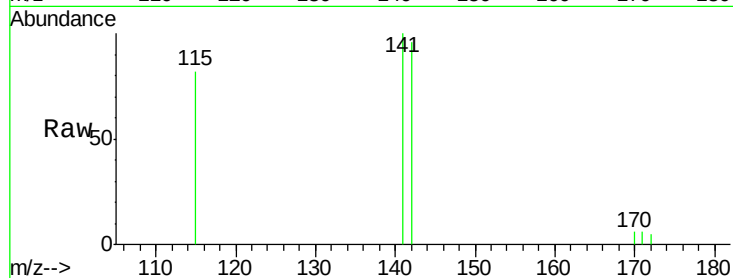
Tgt Ion:142 Resp: 3632

Ion Ratio Lower Upper

142 100

141 104.0 72.8 109.2

115 85.3 32.9 49.3#



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

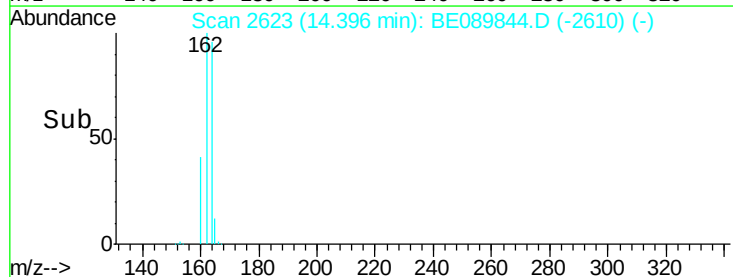
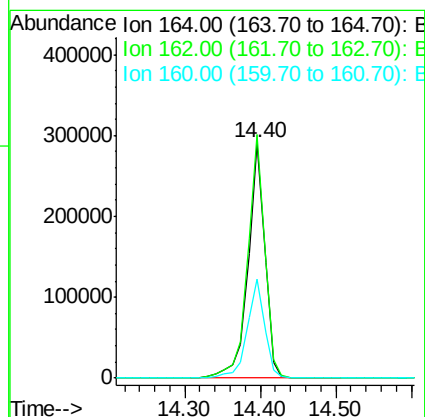
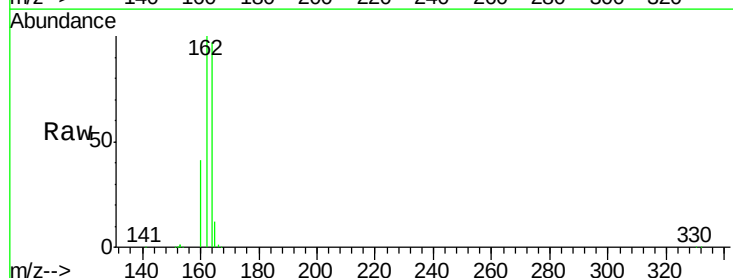
Tgt Ion:164 Resp: 450025

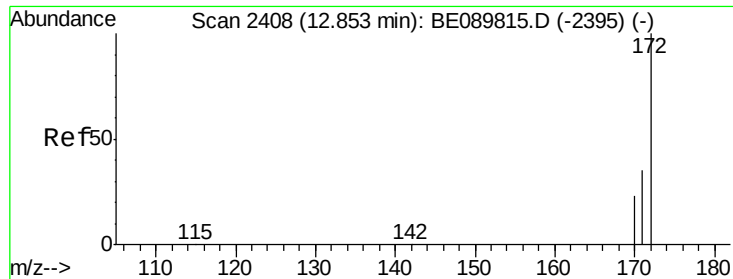
Ion Ratio Lower Upper

164 100

162 103.5 87.6 131.4

160 42.2 36.7 55.1





#9

2-Fluorobiphenyl

Concen: 8.31 ng

RT: 12.86 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V

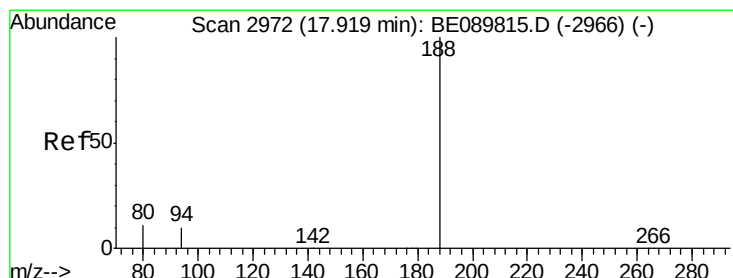
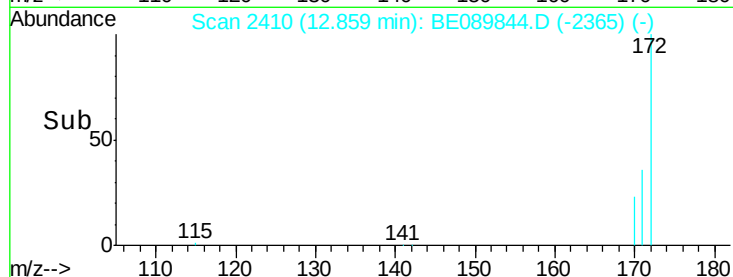
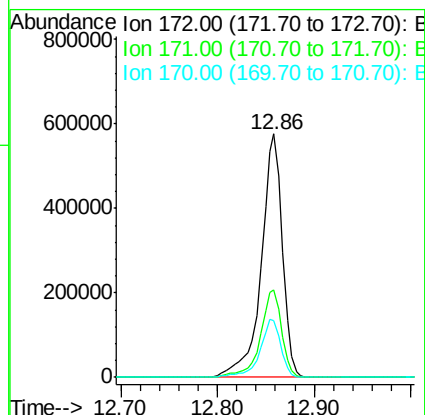
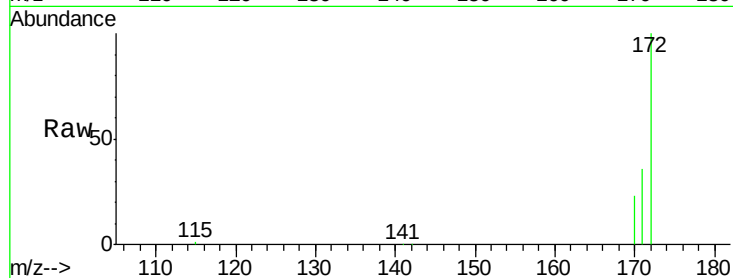
Tgt Ion:172 Resp: 875598

Ion Ratio Lower Upper

172 100

171 36.0 30.8 46.2

170 23.4 21.0 31.4



#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.93 min Scan# 2974

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

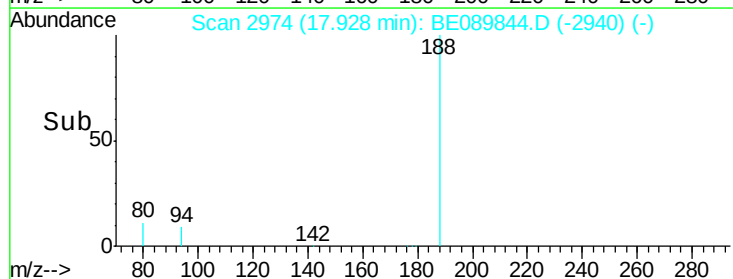
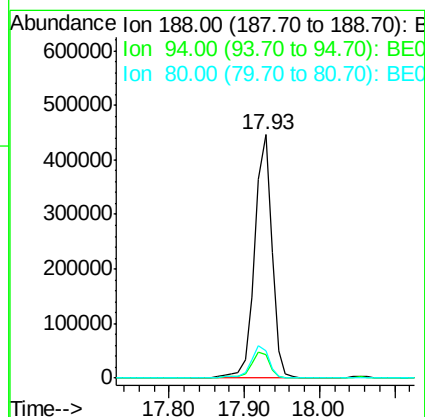
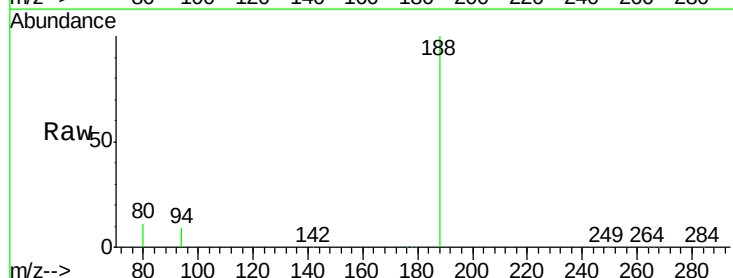
Tgt Ion:188 Resp: 707561

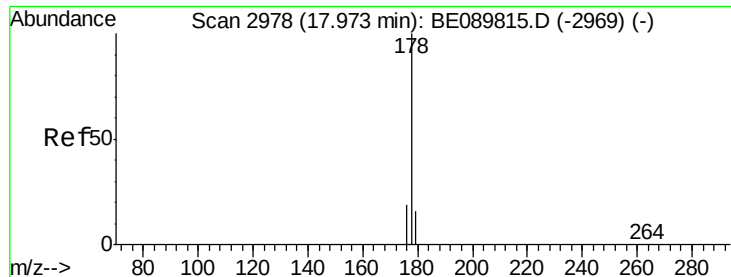
Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

80 11.0 10.0 15.0





#16

Phenanthrene

Concen: 0.13 ng

RT: 17.98 min Scan# 2980

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V

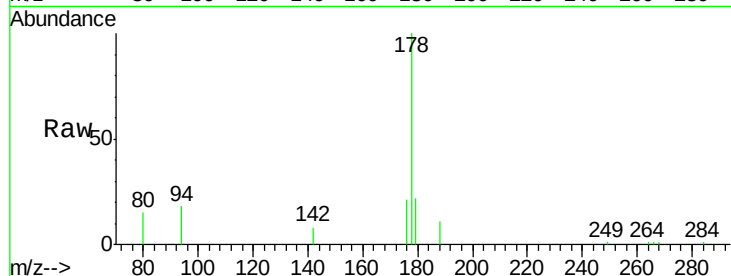
Tgt Ion:178 Resp: 19552

Ion Ratio Lower Upper

178 100

176 15.6 15.4 23.0

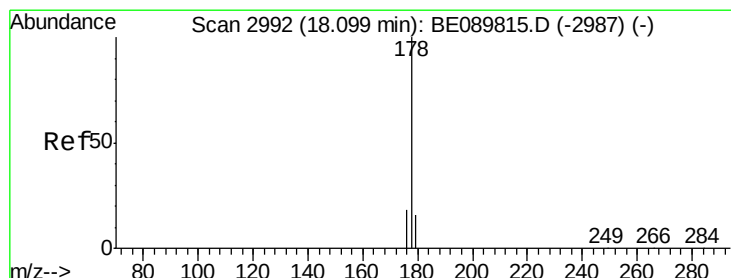
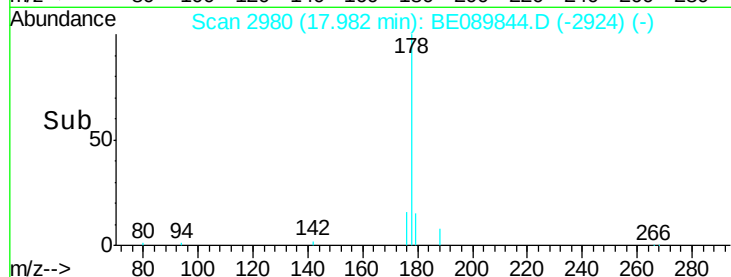
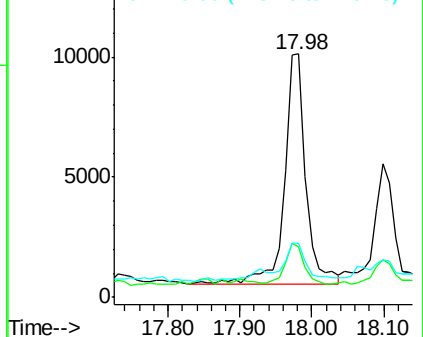
179 13.7 12.2 18.4



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



#17

Anthracene

Concen: 0.05 ng m

RT: 18.10 min Scan# 2993

Delta R.T. -0.00 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

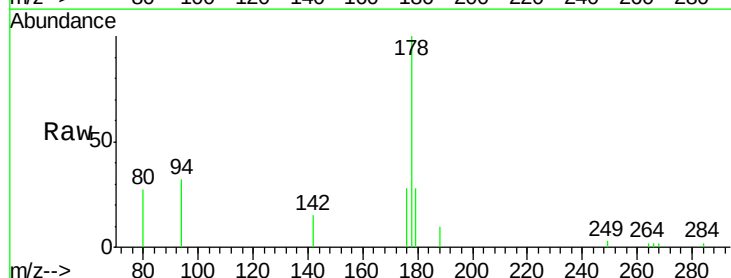
Tgt Ion:178 Resp: 7301

Ion Ratio Lower Upper

178 100

176 41.7 14.6 21.8#

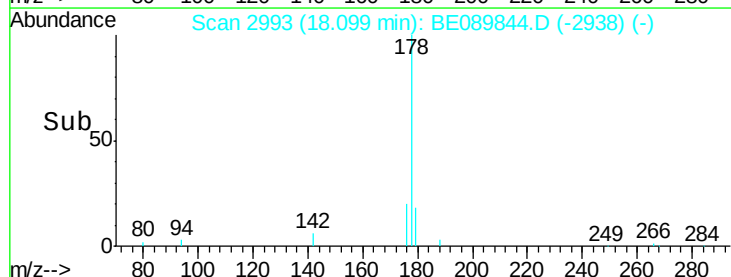
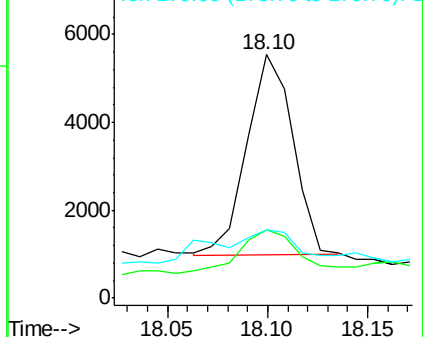
179 36.7 12.1 18.1#

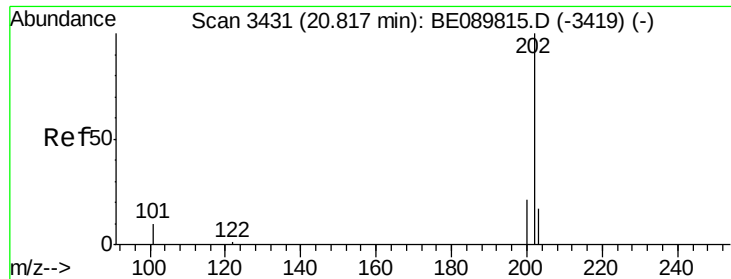


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

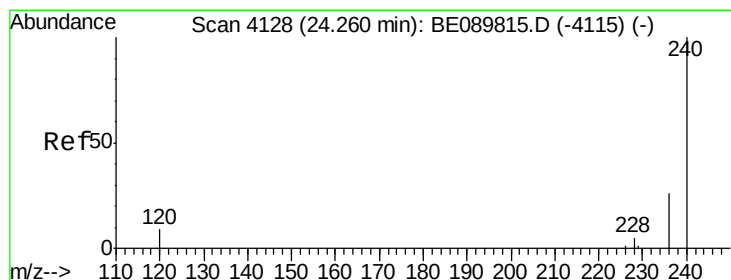
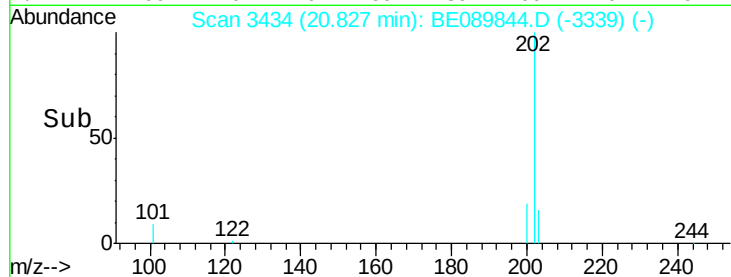
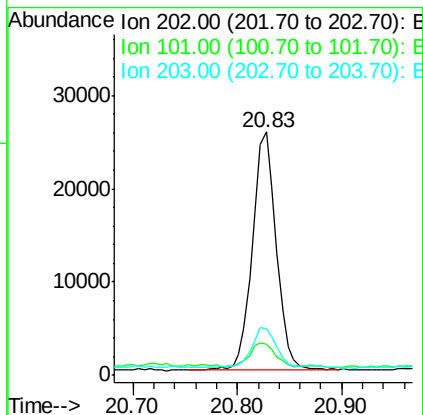
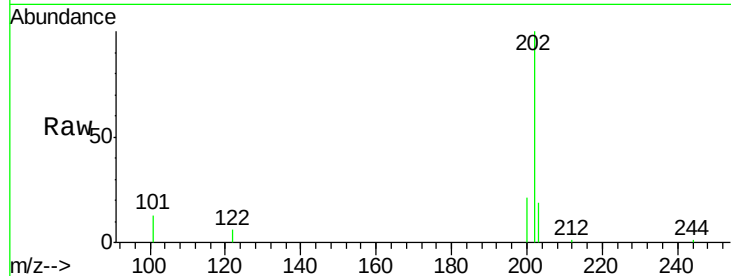




#18
 Fluoranthene
 Concen: 0.29 ng
 RT: 20.83 min Scan# 3434
 Delta R.T. 0.01 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

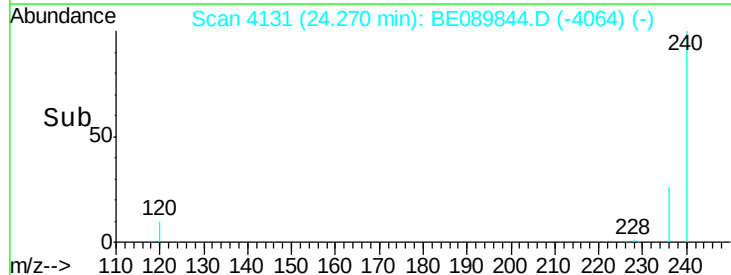
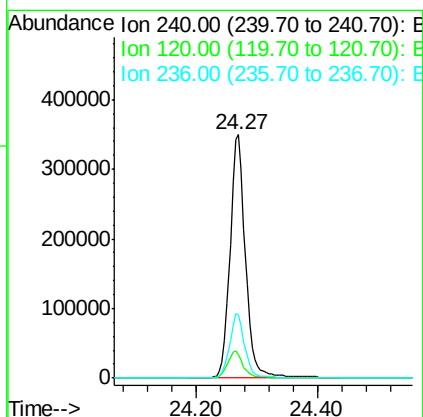
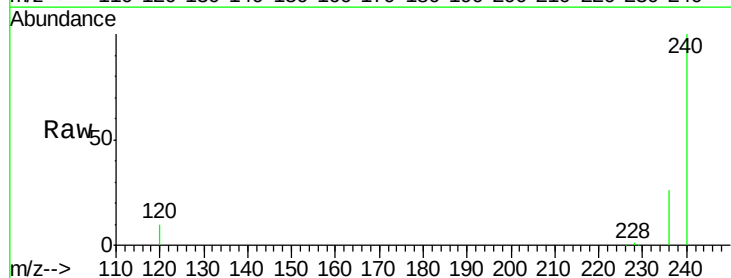
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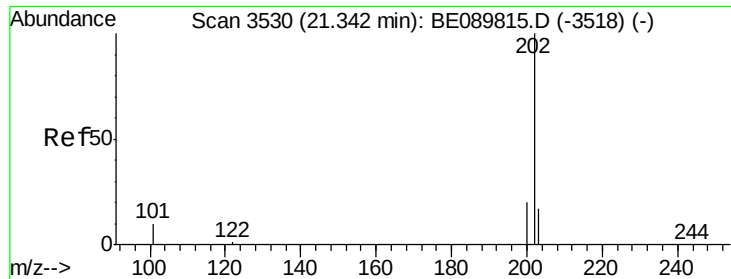
Tgt Ion: 202 Resp: 40624
 Ion Ratio Lower Upper
 202 100
 101 11.8 8.2 12.2
 203 17.1 14.2 21.4



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.27 min Scan# 4131
 Delta R.T. 0.01 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

Tgt Ion: 240 Resp: 614656
 Ion Ratio Lower Upper
 240 100
 120 9.8 7.5 11.3
 236 25.9 20.5 30.7

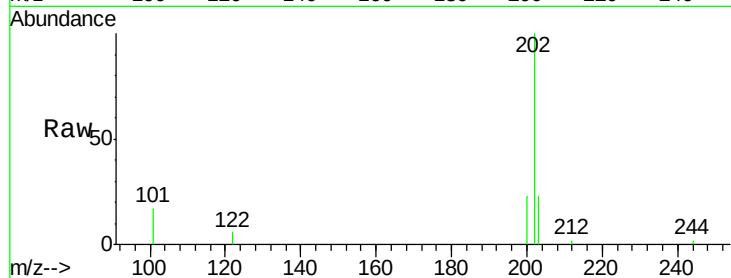




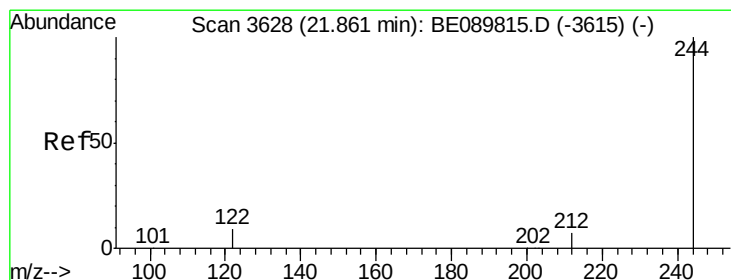
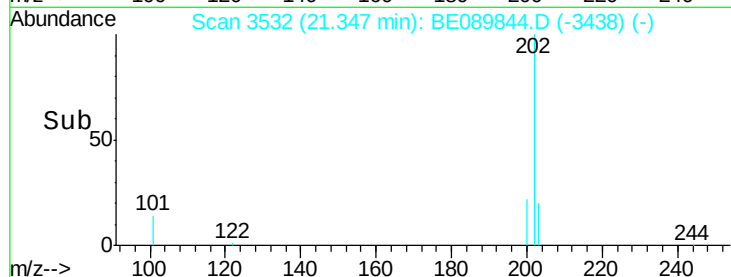
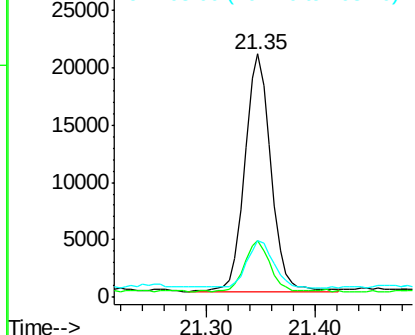
#20
Pyrene
Concen: 0.22 ng
RT: 21.35 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BE089844.D
Acq: 25 Mar 2015 19:27

Instrument :
BNA_E
ClientSampleId :
RW-12V

Tgt Ion: 202 Resp: 34920
Ion Ratio Lower Upper
202 100
200 20.8 15.9 23.9
203 20.3 13.6 20.4

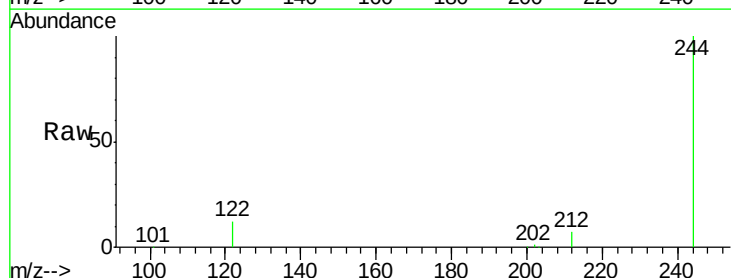


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

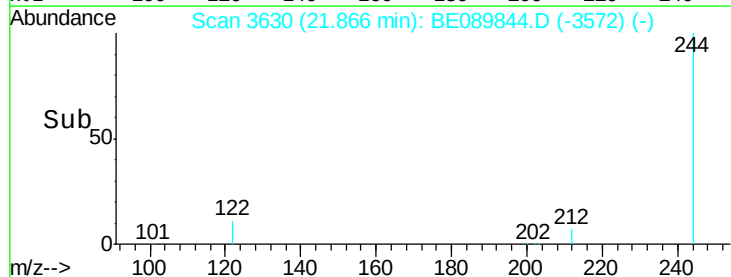
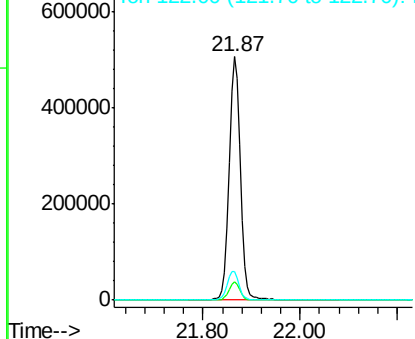


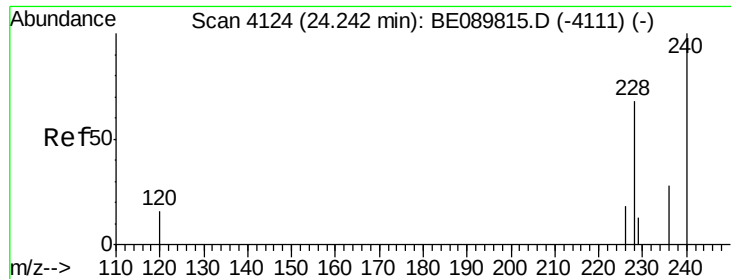
#21
Terphenyl-d14
Concen: 9.03 ng
RT: 21.87 min Scan# 3630
Delta R.T. 0.01 min
Lab File: BE089844.D
Acq: 25 Mar 2015 19:27

Tgt Ion: 244 Resp: 818425
Ion Ratio Lower Upper
244 100
212 7.3 7.3 10.9#
122 11.6 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 0.13 ng

RT: 24.25 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V

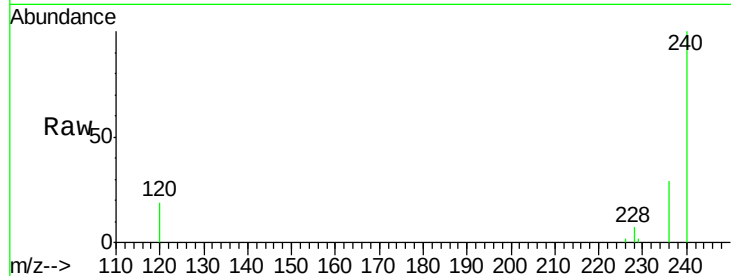
Tgt Ion:228 Resp: 14646

Ion Ratio Lower Upper

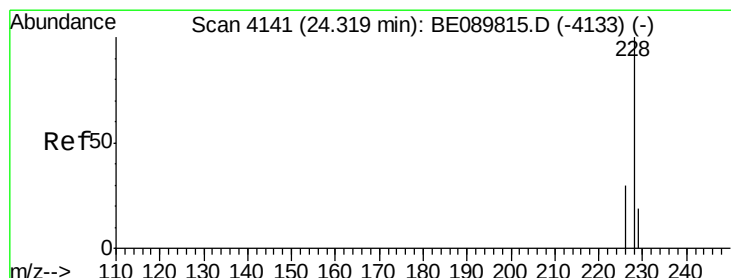
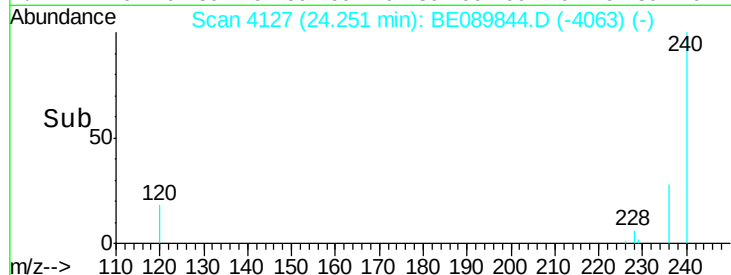
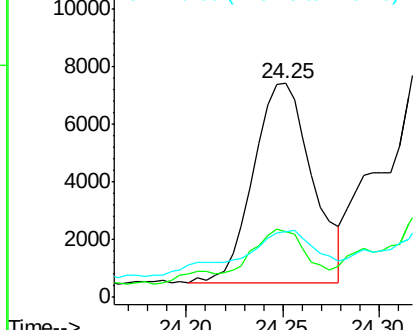
228 100

226 30.8 19.8 29.8#

229 31.0 16.3 24.5#



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



#23

Chrysene

Concen: 0.18 ng

RT: 24.32 min Scan# 4143

Delta R.T. 0.01 min

Lab File: BE089844.D

Acq: 25 Mar 2015 19:27

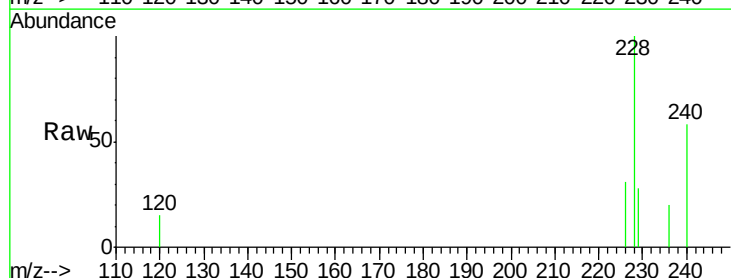
Tgt Ion:228 Resp: 22260

Ion Ratio Lower Upper

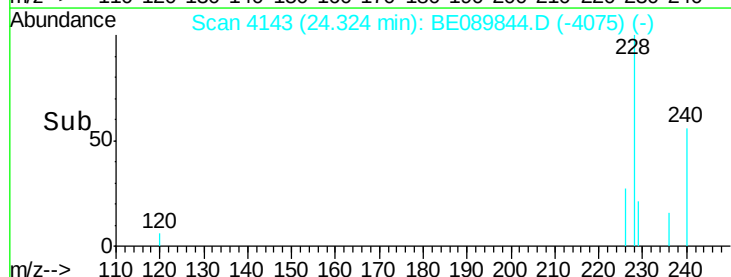
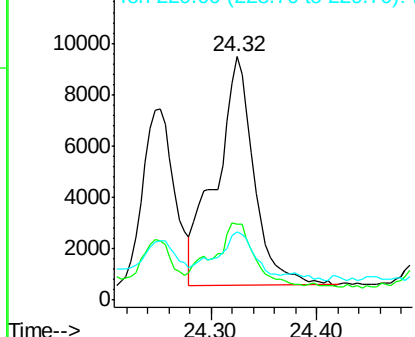
228 100

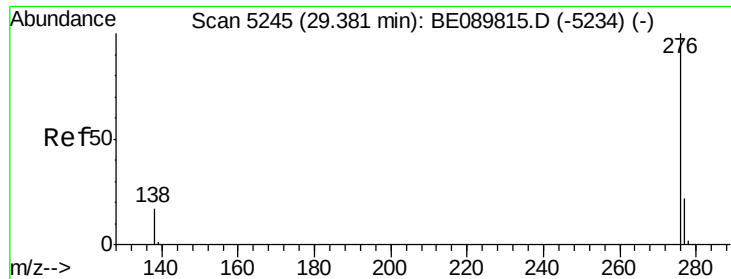
226 31.4 23.0 34.4

229 27.9 15.8 23.6#



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

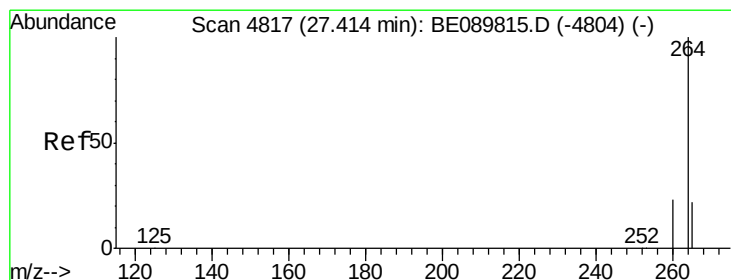
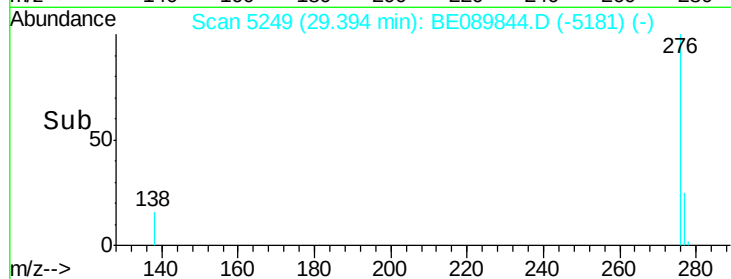
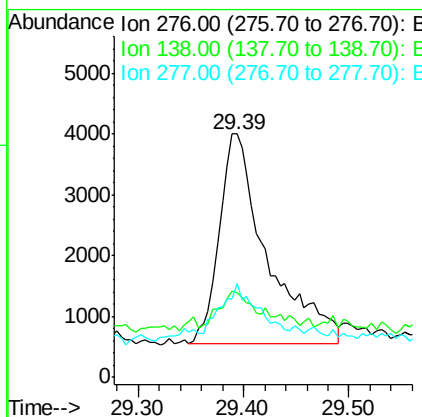
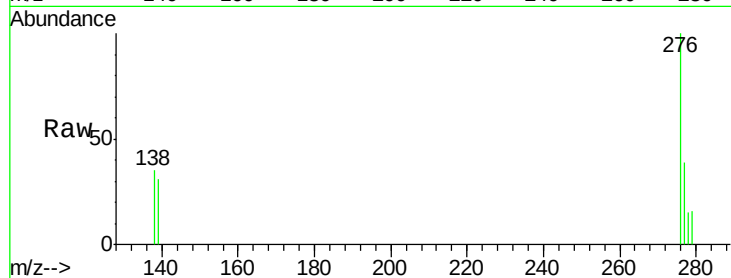




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.50 ng
 RT: 29.39 min Scan# 5249
 Delta R.T. 0.01 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

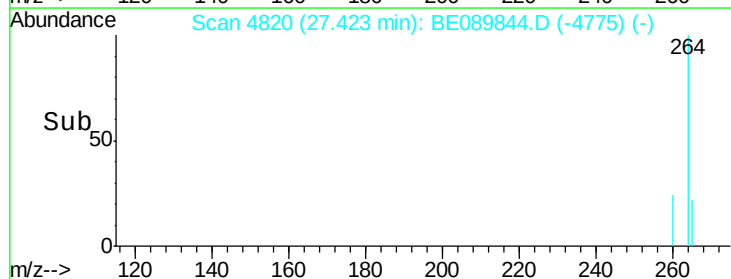
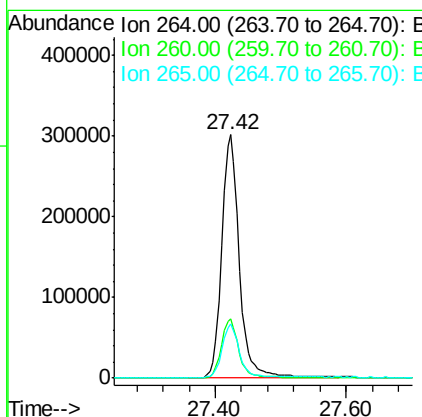
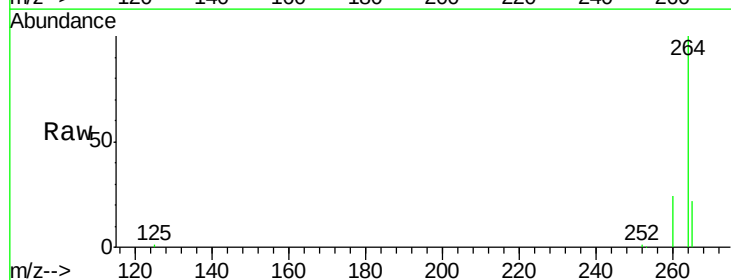
Instrument :
 BNA_E
 ClientSampleId :
 RW-12V

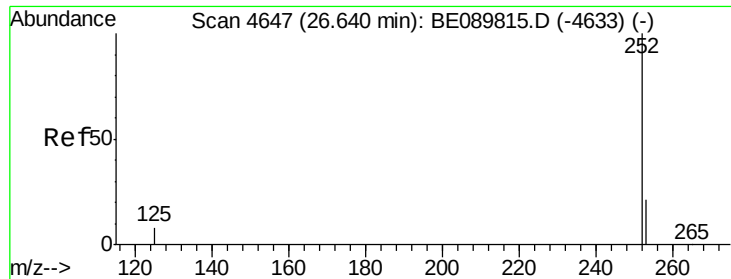
Tgt Ion: 276 Resp: 10848
 Ion Ratio Lower Upper
 276 100
 138 11.3 4.3 6.5#
 277 18.5 9.0 13.4#



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4820
 Delta R.T. 0.01 min
 Lab File: BE089844.D
 Acq: 25 Mar 2015 19:27

Tgt Ion: 264 Resp: 558370
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.2 27.2
 265 22.1 17.3 25.9

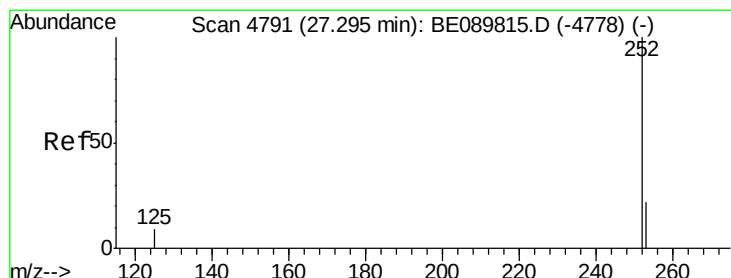
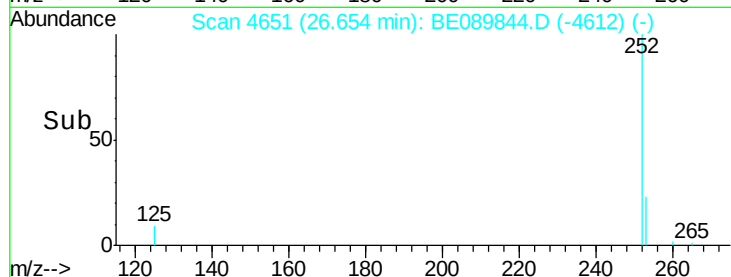
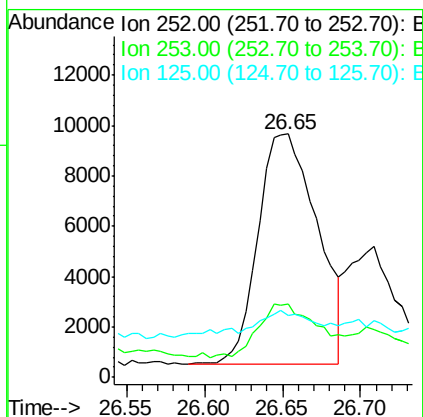
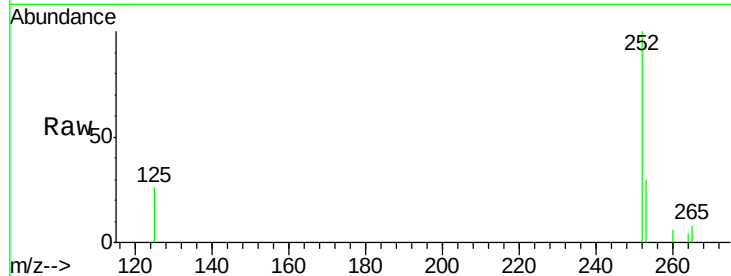




#26
Benzo(b)fluoranthene
Concen: 0.50 ng
RT: 26.65 min Scan# 4651
Delta R.T. 0.02 min
Lab File: BE089844.D
Acq: 25 Mar 2015 19:27

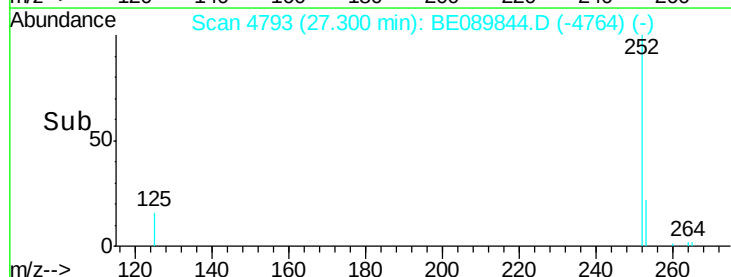
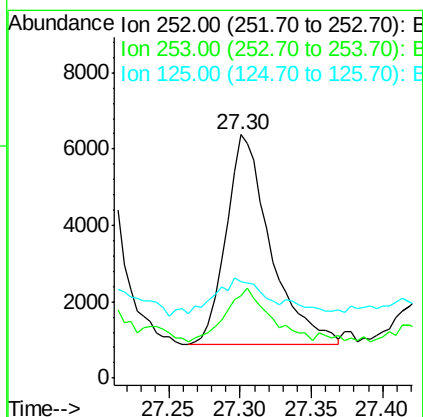
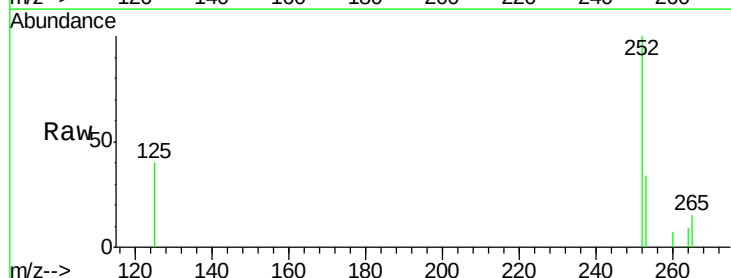
Instrument :
BNA_E
ClientSampleId :
RW-12V

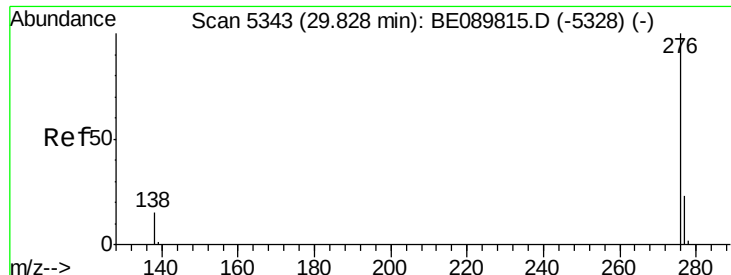
Tgt Ion:252 Resp: 24015
Ion Ratio Lower Upper
252 100
253 30.2 17.8 26.6#
125 25.7 8.7 13.1#



#28
Benzo(a)pyrene
Concen: 0.40 ng
RT: 27.30 min Scan# 4793
Delta R.T. 0.00 min
Lab File: BE089844.D
Acq: 25 Mar 2015 19:27

Tgt Ion:252 Resp: 11966
Ion Ratio Lower Upper
252 100
253 33.6 21.0 31.4#
125 39.7 13.3 19.9#





#30

Benzo(g,h,i)perylene

Concen: 0.36 ng

RT: 29.84 min Scan# 5346

Delta R.T. 0.01 min

Lab File: BE089844.D

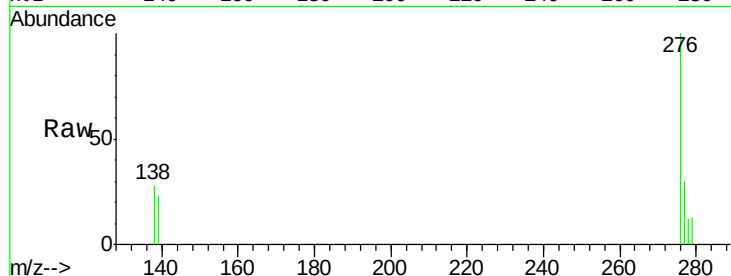
Acq: 25 Mar 2015 19:27

Instrument :

BNA_E

ClientSampleId :

RW-12V



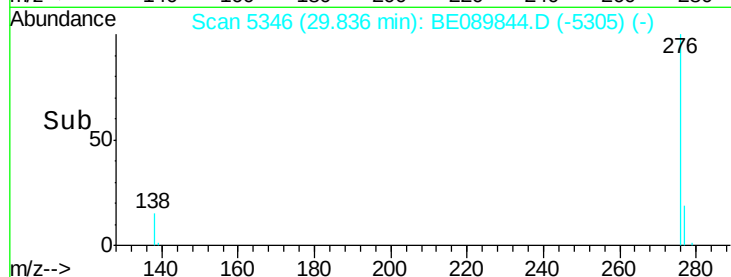
Tgt Ion: 276 Resp: 13299

Ion Ratio Lower Upper

276 100

277 29.5 19.2 28.8#

138 28.3 22.9 34.3



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

