

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089348.D
 Acq On : 8 Jan 2015 2:30
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : LOQ-WATER-1.0PPM-SIM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Quant Time: Jan 08 06:19:15 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 06:03:23 2015
 Response via : Initial Calibration

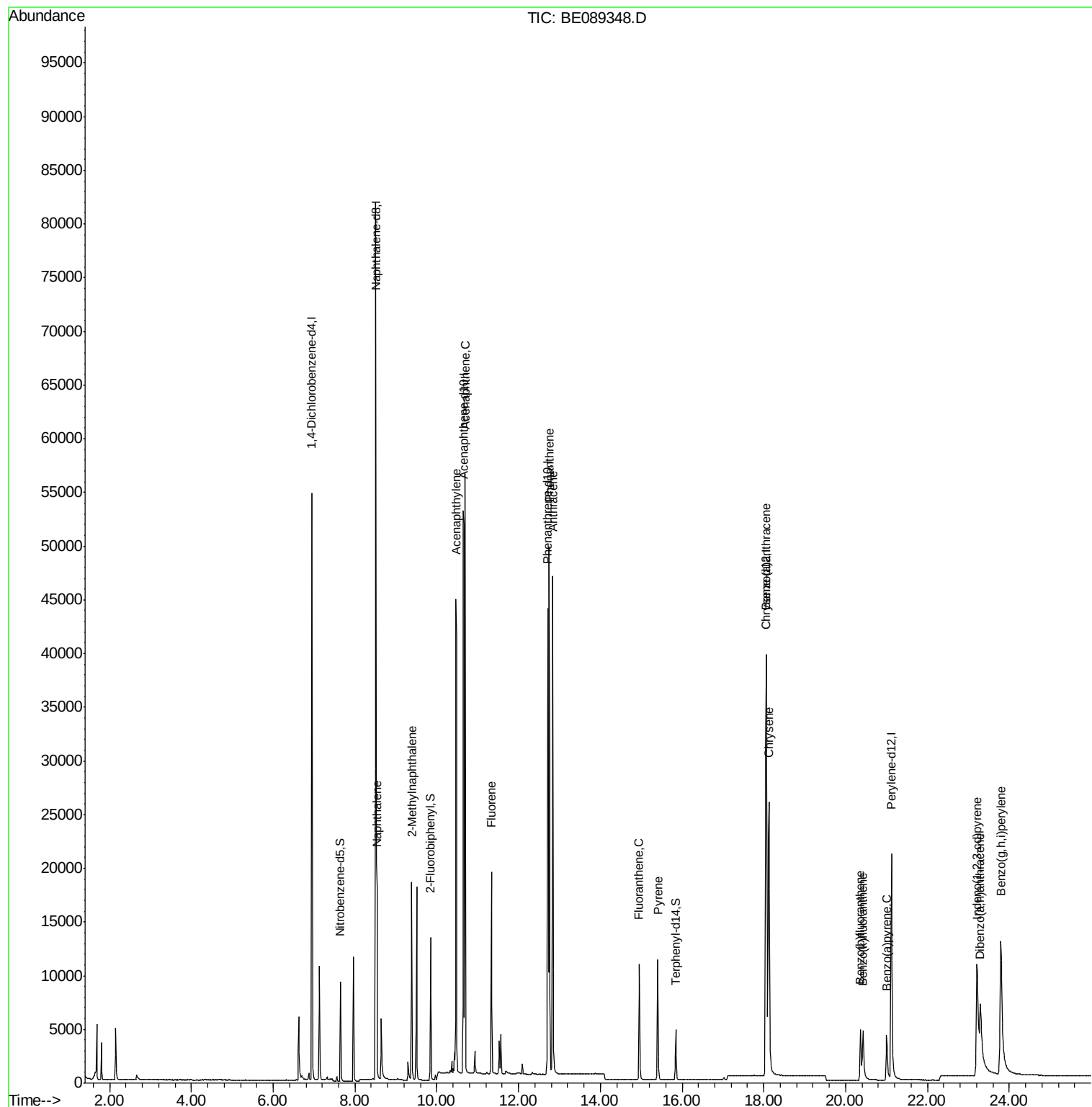
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	17544	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	66642	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	30108	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	44596	5.00	ng	0.00
15) Chrysene-d12	18.07	240	34805	5.00	ng	0.00
21) Perylene-d12	21.12	264	31940	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	4853	1.05	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	8530	1.04	ng	0.00
17) Terphenyl-d14	15.84	244	6122	0.99	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	15471	1.03	ng	98
5) 2-Methylnaphthalene	9.39	142	9542	1.02	ng	97
8) Acenaphthylene	10.47	152	52773	1.02	ng	98
9) Acenaphthene	10.69	154	8112	1.01	ng	92
10) Fluorene	11.34	166	8706	1.01	ng	99
12) Phenanthrene	12.75	178	48256	1.04	ng	100
13) Anthracene	12.84	178	46985	1.05	ng	100
14) Fluoranthene	14.95	202	10871	1.06	ng	99
16) Pyrene	15.40	202	11611	1.02	ng	99
18) Benzo(a)anthracene	18.05	228	35668	1.01	ng	98
19) Chrysene	18.12	228	36480	1.03	ng	99
20) Indeno(1,2,3-cd)pyrene	23.22	276	22155	0.65	ng	99
22) Benzo(b)fluoranthene	20.36	252	7084	1.02	ng	100
23) Benzo(k)fluoranthene	20.42	252	9192	1.05	ng	100
24) Benzo(a)pyrene	21.01	252	6979	1.01	ng	100
25) Dibenzo(a,h)anthracene	23.30	278	6386	1.01	ng	100
26) Benzo(g,h,i)perylene	23.80	276	32332	1.02	ng	99

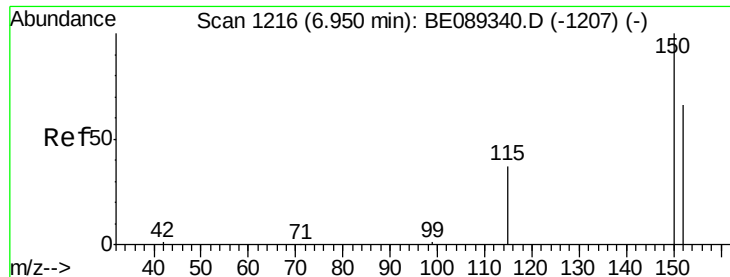
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1216

Delta R.T. 0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

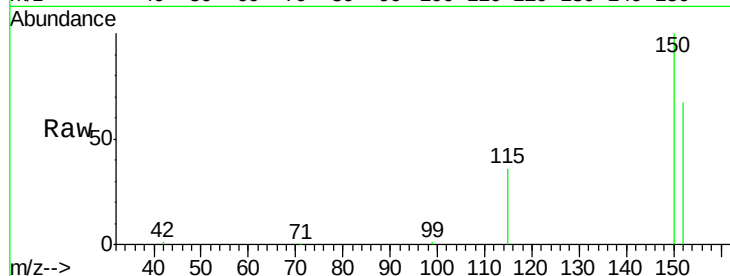
Tgt Ion:152 Resp: 17544

Ion Ratio Lower Upper

152 100

150 148.9 121.5 182.3

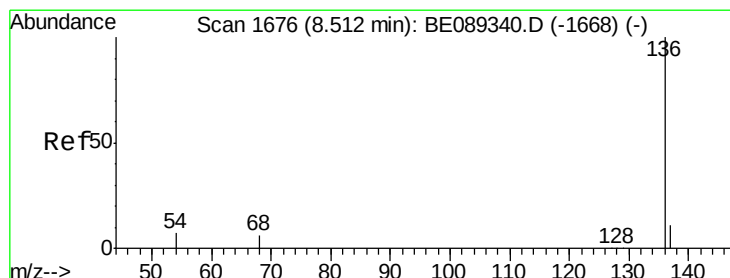
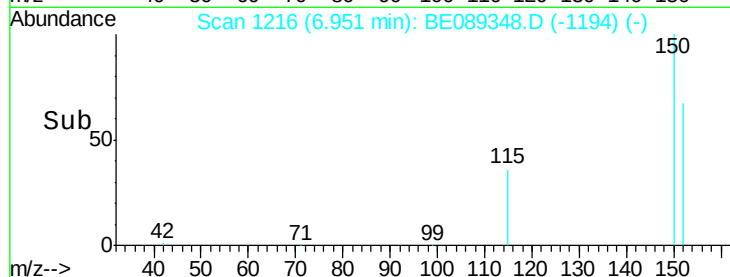
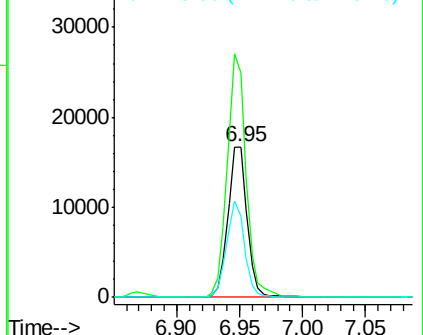
115 53.9 45.2 67.8



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



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Tgt Ion:136 Resp: 66642

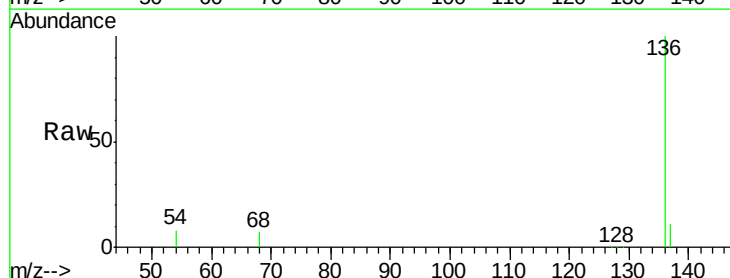
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.9 5.4 8.0

68 7.0 4.7 7.1

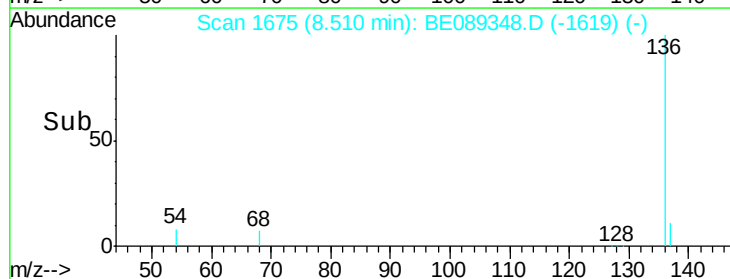
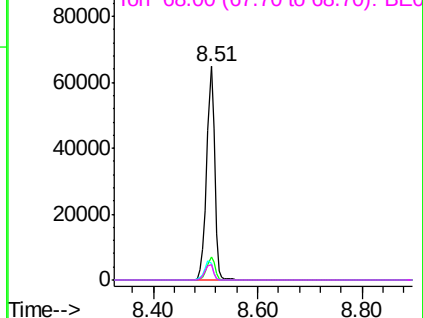


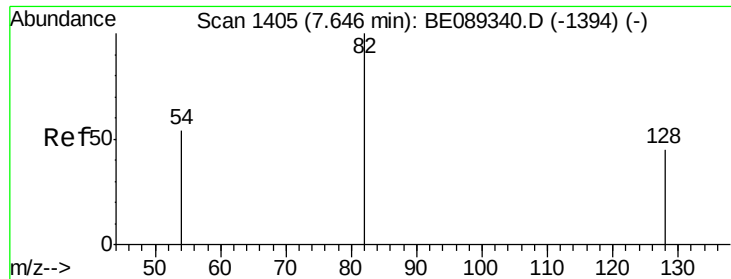
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

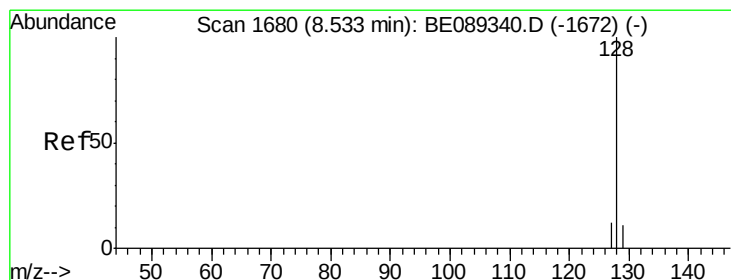
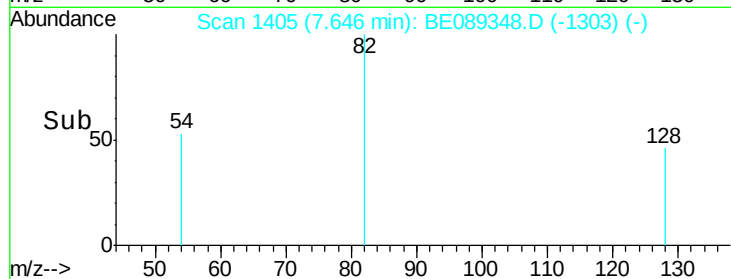
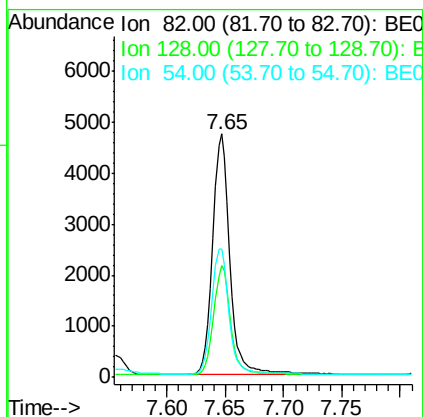
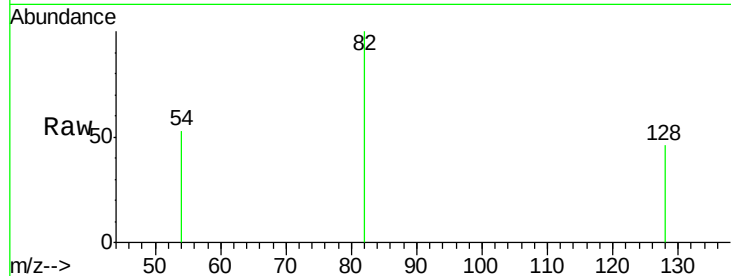




#3
 Nitrobenzene-d5
 Concen: 1.05 ng
 RT: 7.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

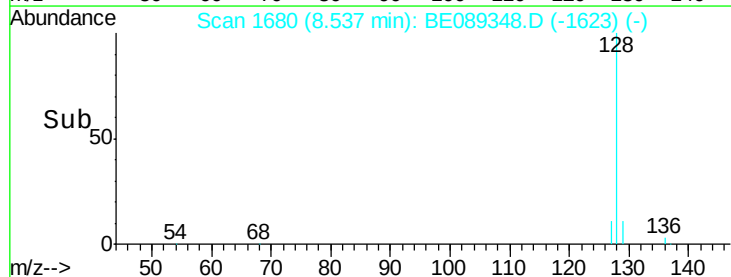
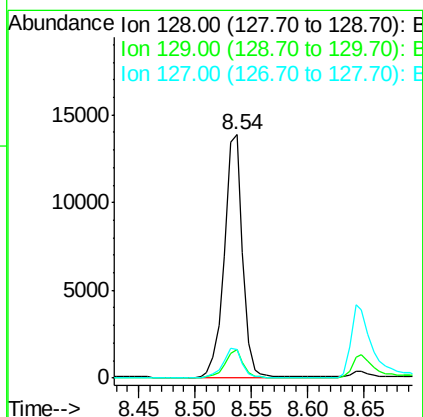
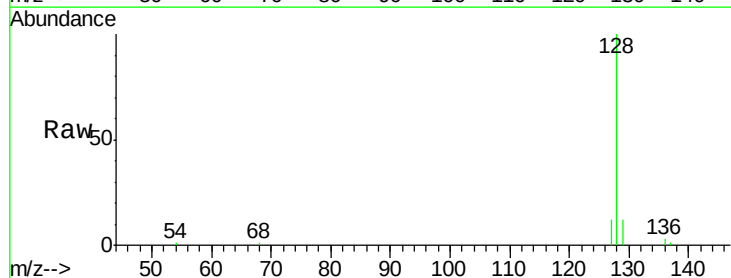
Instrument :
 BNA_E
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 SSTDCCC001

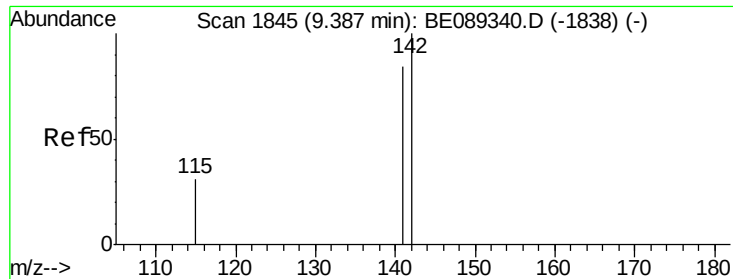
Tgt Ion: 82 Resp: 4853
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.5 54.7
 54 53.0 43.5 65.3



#4
 Naphthalene
 Concen: 1.03 ng
 RT: 8.54 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

Tgt Ion: 128 Resp: 15471
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.8 13.2
 127 11.5 10.0 15.0

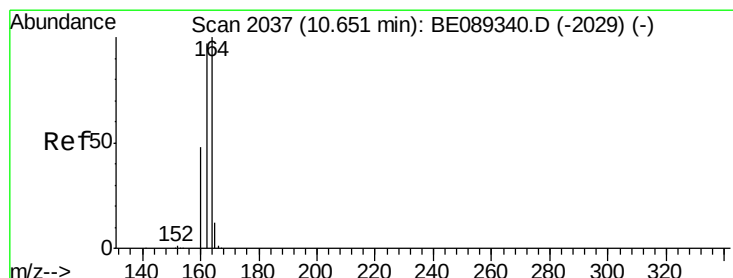
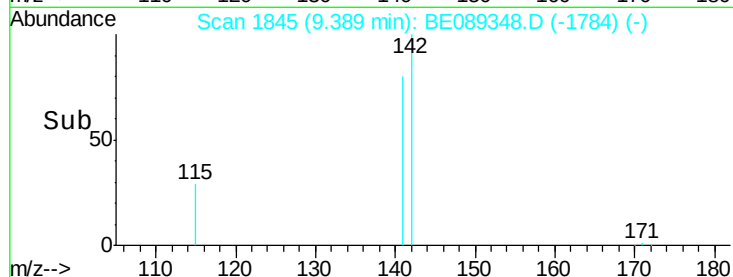
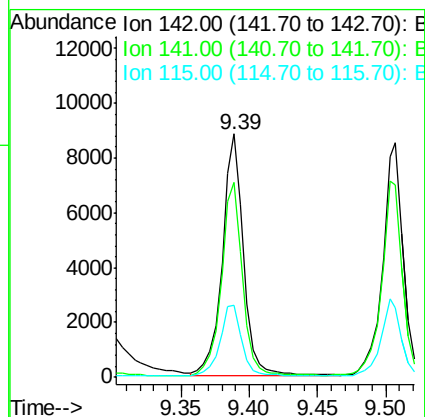
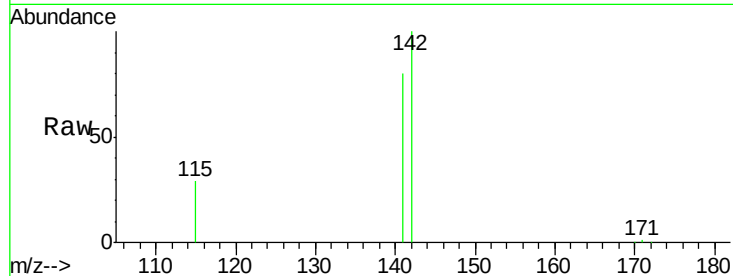




#5
2-Methylnaphthalene
Concen: 1.02 ng
RT: 9.39 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

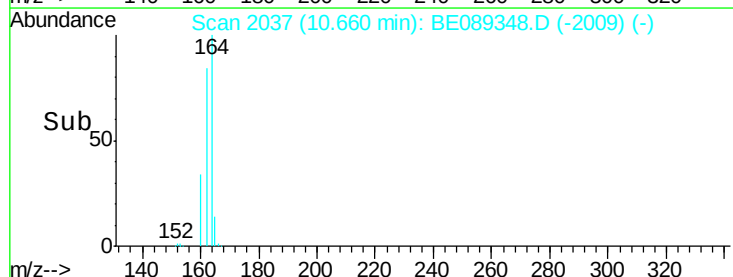
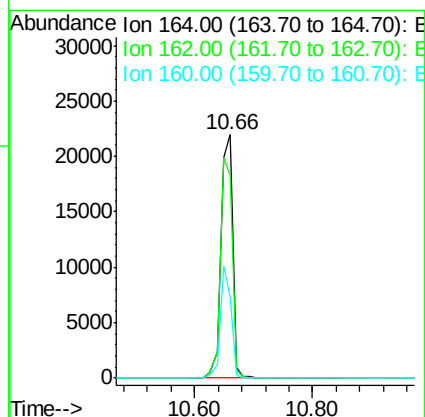
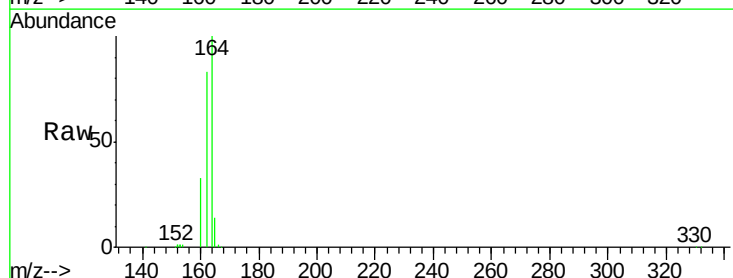
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

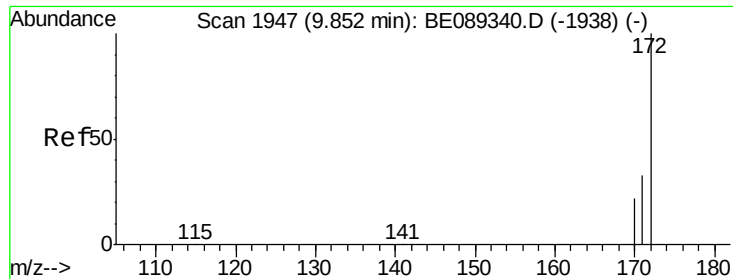
Tgt Ion:142 Resp: 9542
Ion Ratio Lower Upper
142 100
141 80.1 66.3 99.5
115 29.4 25.2 37.8



#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

Tgt Ion:164 Resp: 30108
Ion Ratio Lower Upper
164 100
162 83.0 77.4 116.2
160 33.4 38.2 57.4#





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 9.85 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

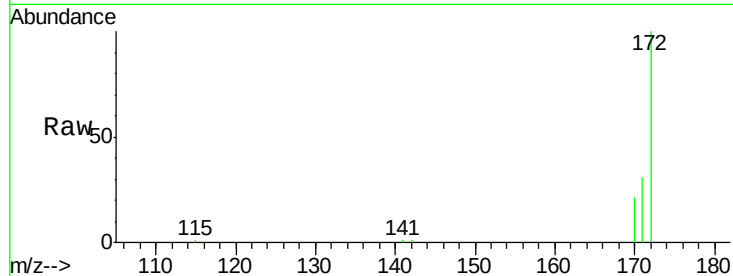
Tgt Ion:172 Resp: 8530

Ion Ratio Lower Upper

172 100

171 31.4 26.4 39.6

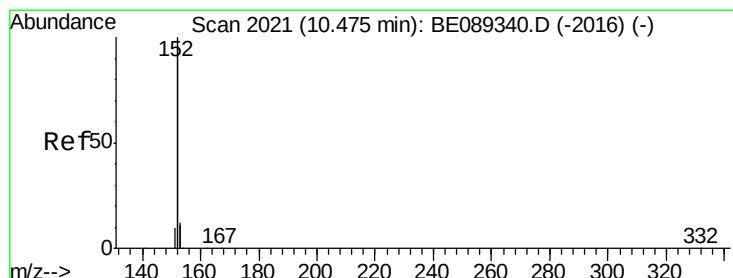
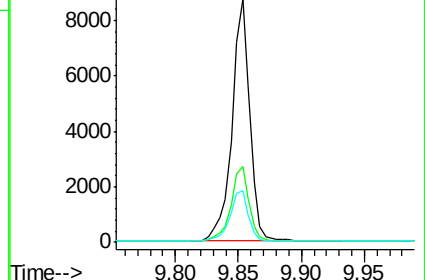
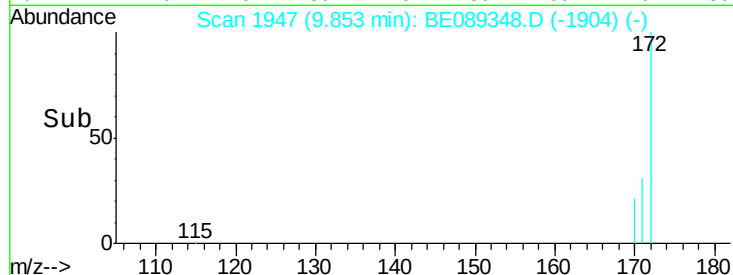
170 21.0 18.0 27.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#8

Acenaphthylene

Concen: 1.02 ng

RT: 10.47 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

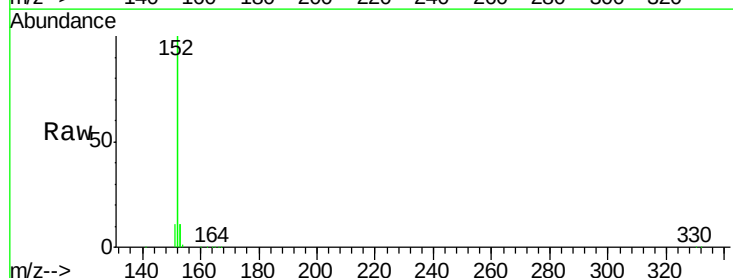
Tgt Ion:152 Resp: 52773

Ion Ratio Lower Upper

152 100

151 5.4 4.1 6.1

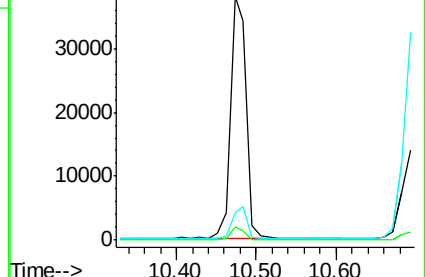
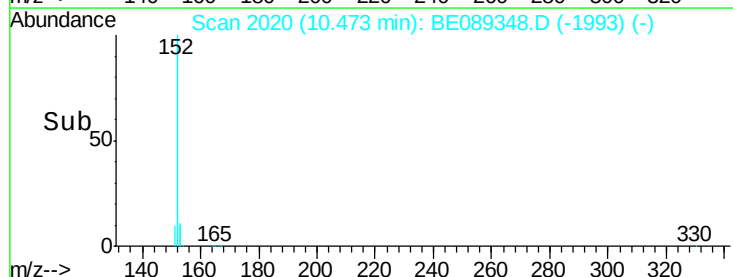
153 11.3 9.8 14.6

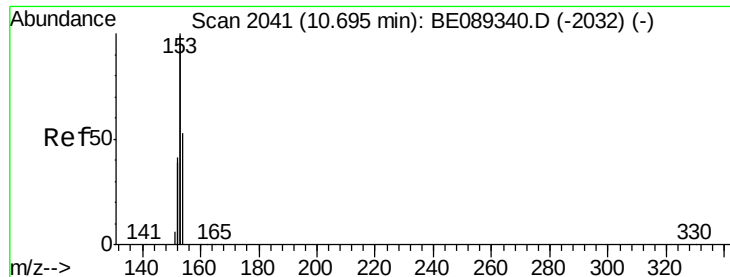


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.01 ng

RT: 10.69 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

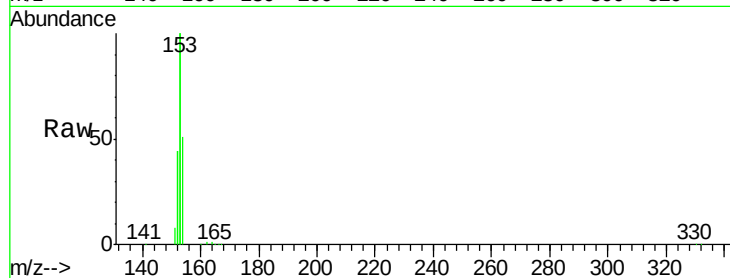
Tgt Ion:154 Resp: 8112

Ion Ratio Lower Upper

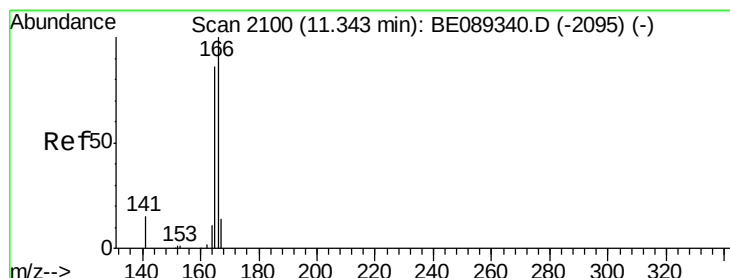
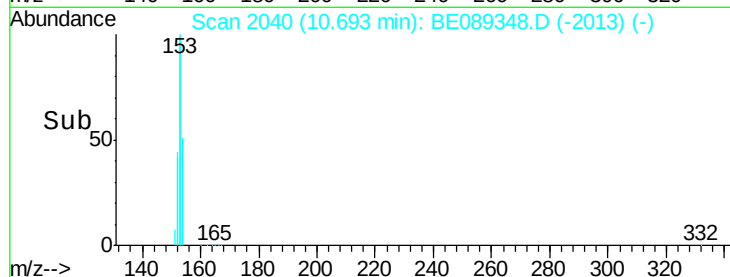
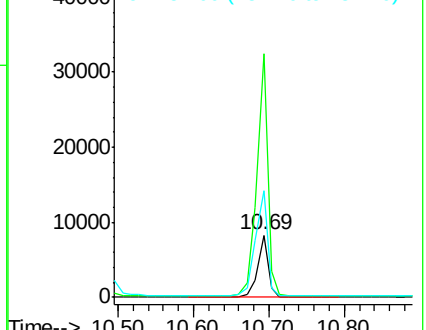
154 100

153 390.7 300.6 450.8

152 170.2 123.3 184.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 1.01 ng

RT: 11.34 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

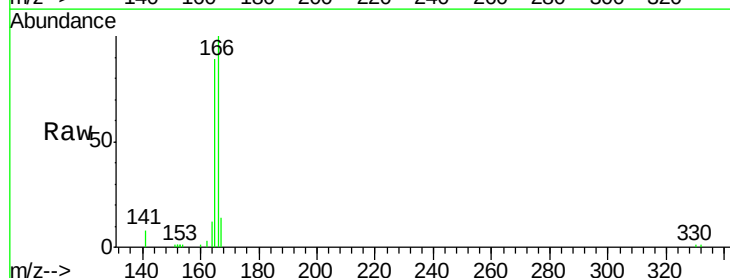
Tgt Ion:166 Resp: 8706

Ion Ratio Lower Upper

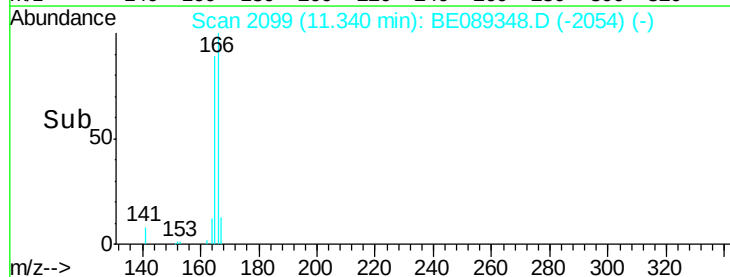
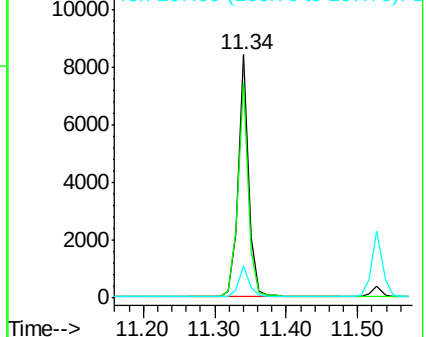
166 100

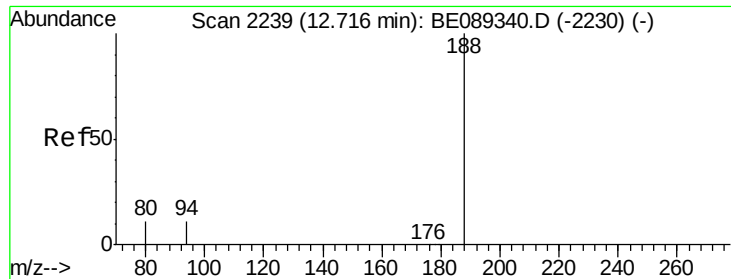
165 89.4 72.1 108.1

167 13.2 11.0 16.4



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

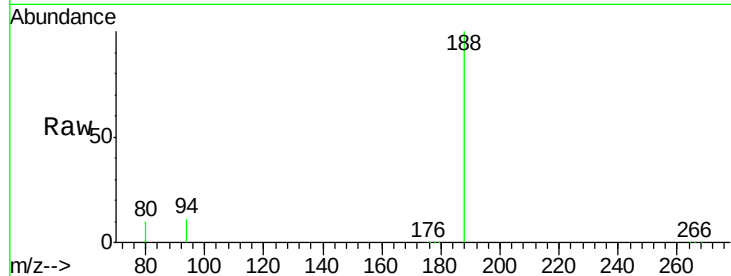




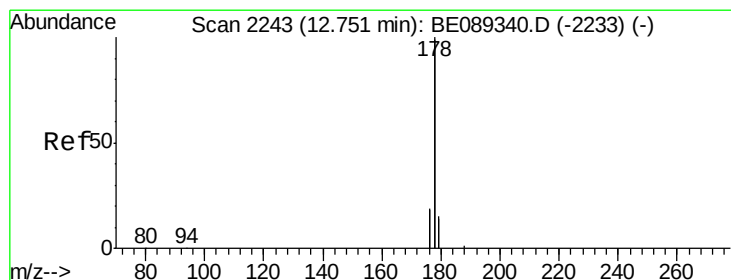
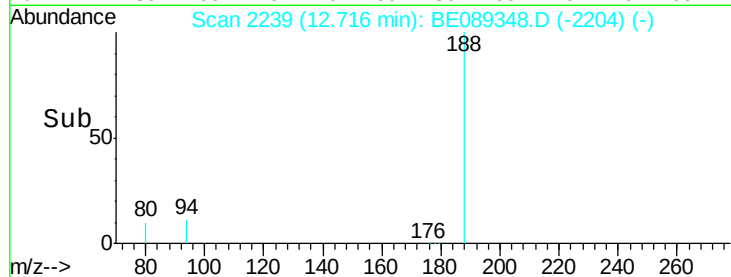
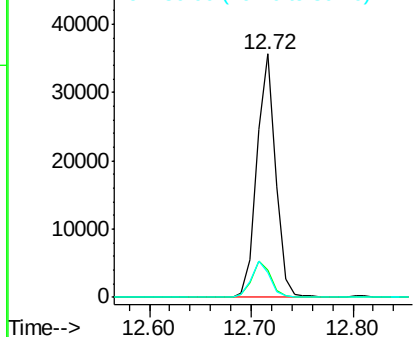
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

Instrument :
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SSTDCCC001

Tgt Ion:188 Resp: 44596
Ion Ratio Lower Upper
188 100
94 11.3 11.0 12.2
80 10.1 10.1 11.1

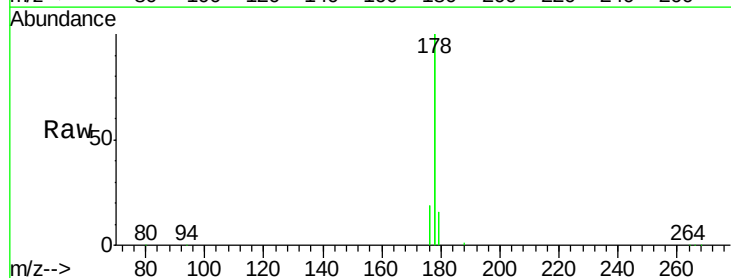


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): E
Ion 80.00 (79.70 to 80.70): E

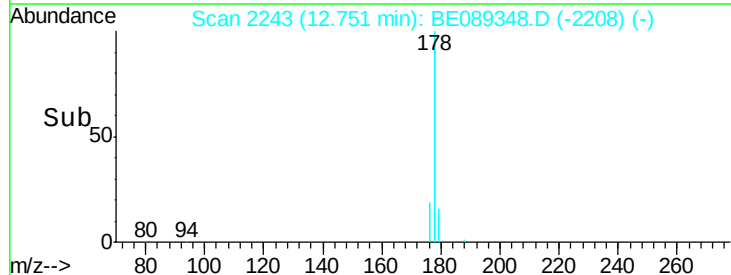
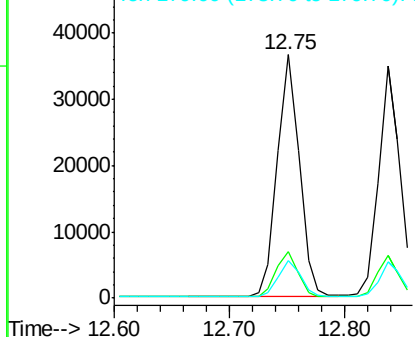


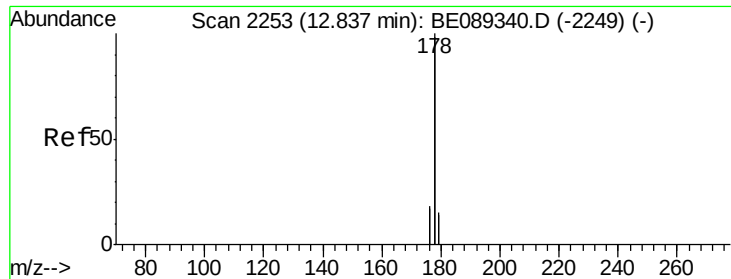
#12
Phenanthrene
Concen: 1.04 ng
RT: 12.75 min Scan# 2243
Delta R.T. 0.00 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

Tgt Ion:178 Resp: 48256
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.5 12.2 18.2



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: 1.05 ng

RT: 12.84 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

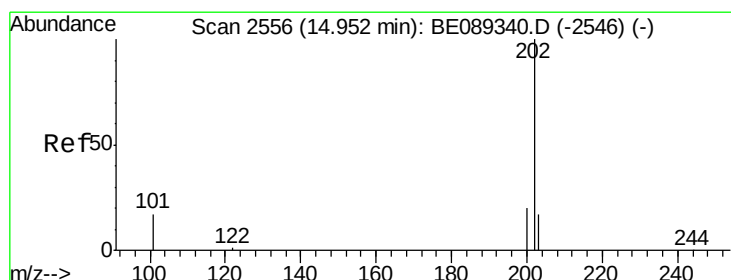
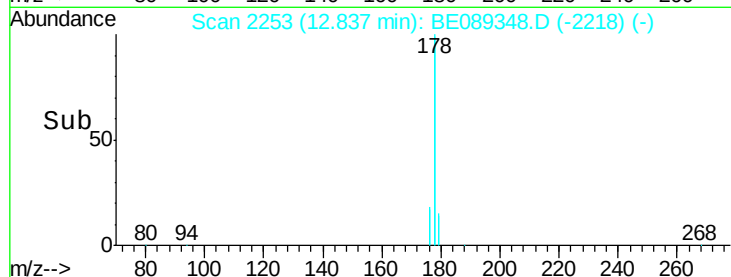
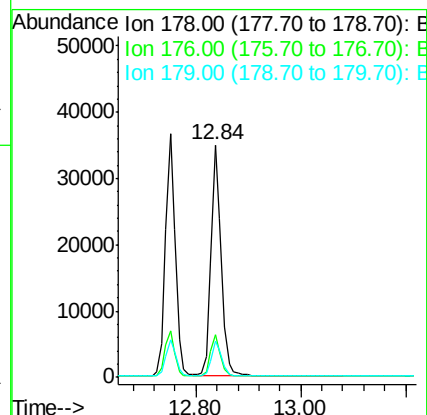
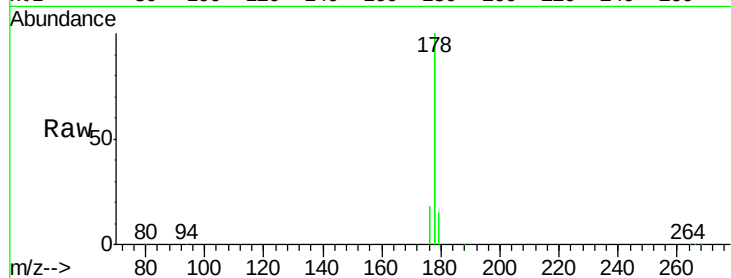
Tgt Ion:178 Resp: 46985

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.4 12.0 18.0



#14

Fluoranthene

Concen: 1.06 ng

RT: 14.95 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

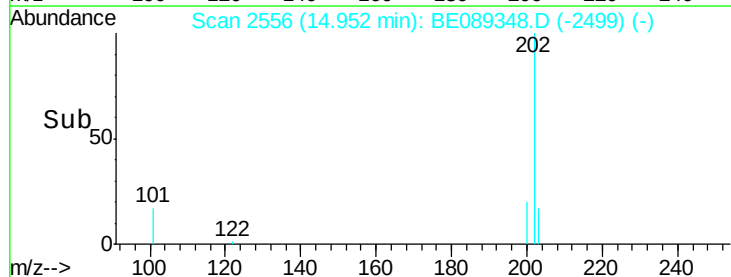
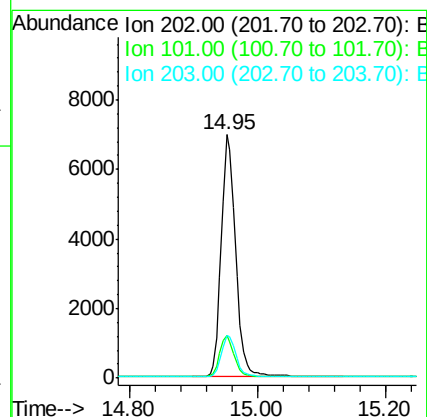
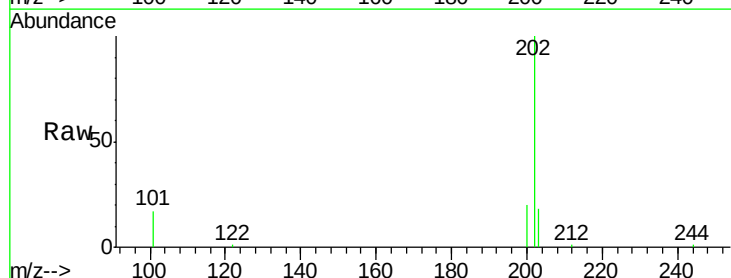
Tgt Ion:202 Resp: 10871

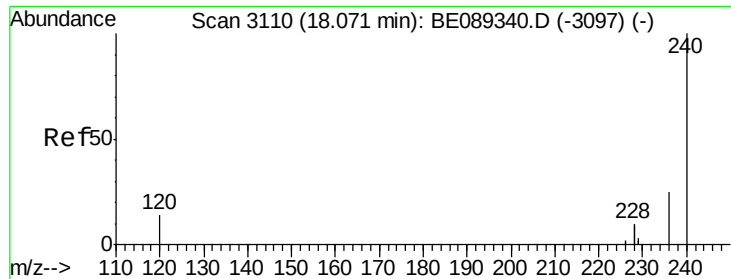
Ion Ratio Lower Upper

202 100

101 17.5 0.0 37.9

203 17.6 0.0 37.5

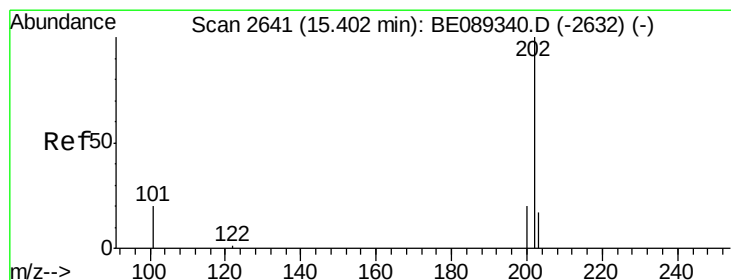
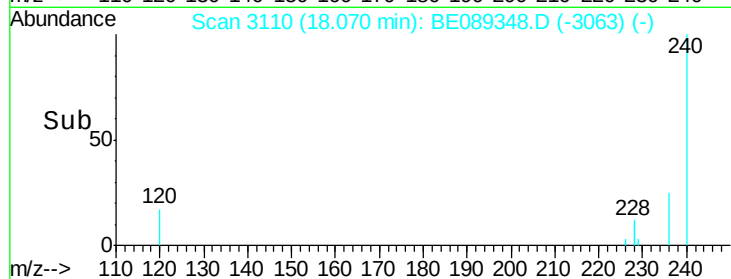
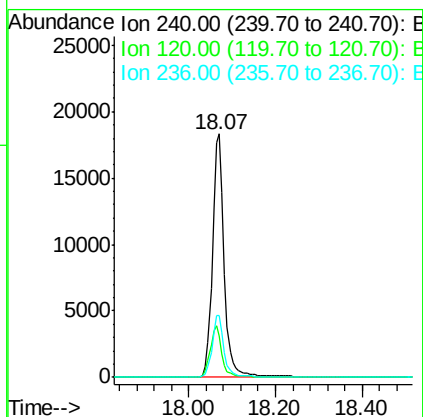
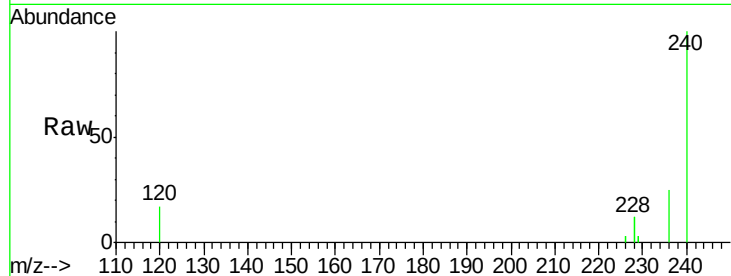




#15
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.07 min Scan# 3110
 Delta R.T. -0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

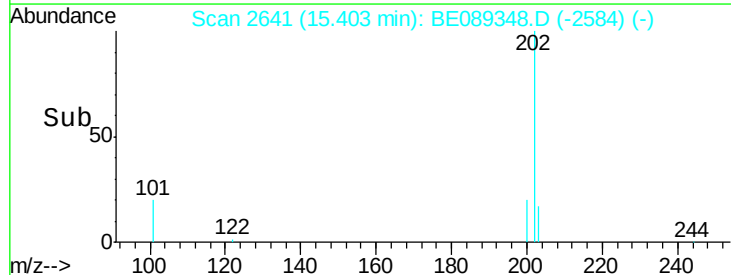
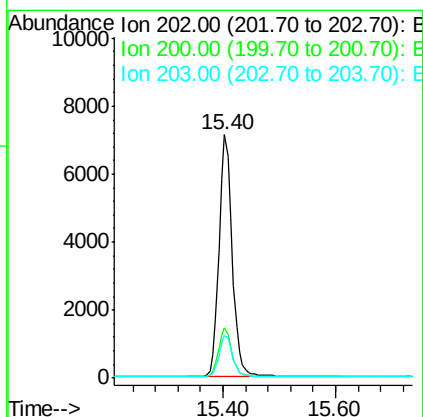
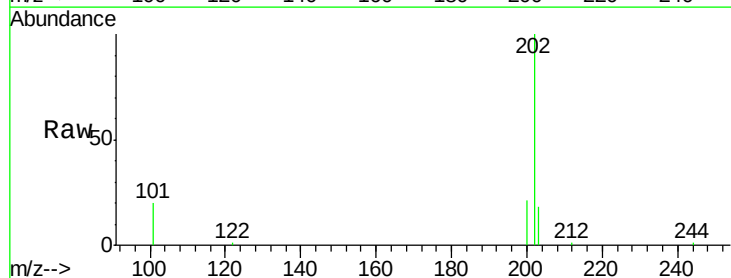
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

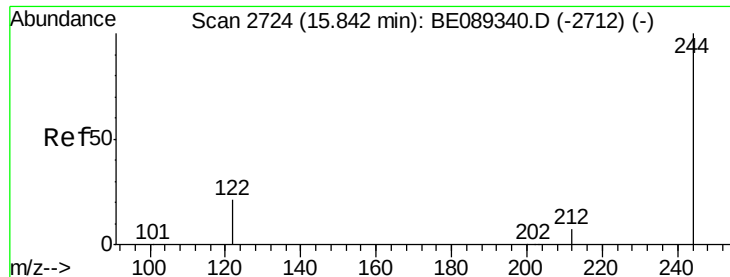
Tgt Ion: 240 Resp: 34805
 Ion Ratio Lower Upper
 240 100
 120 16.7 11.8 17.6
 236 25.3 20.0 30.0



#16
Pyrene
 Concen: 1.02 ng
 RT: 15.40 min Scan# 2641
 Delta R.T. 0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

Tgt Ion: 202 Resp: 11611
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.8 25.2
 203 17.6 14.0 21.0

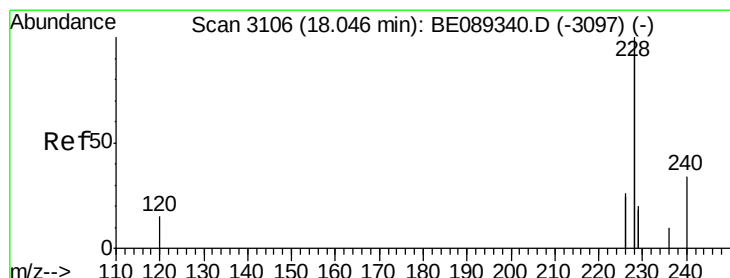
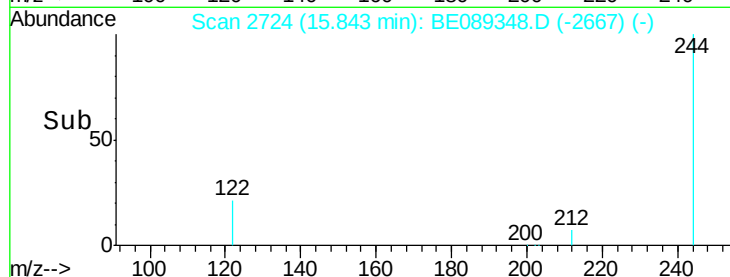
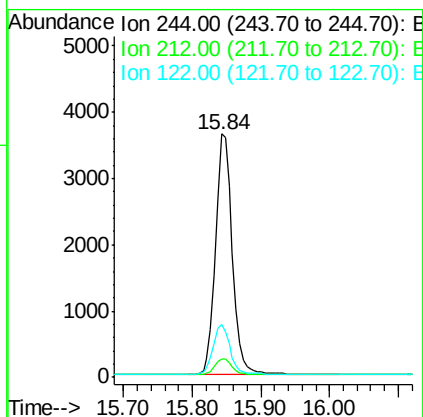
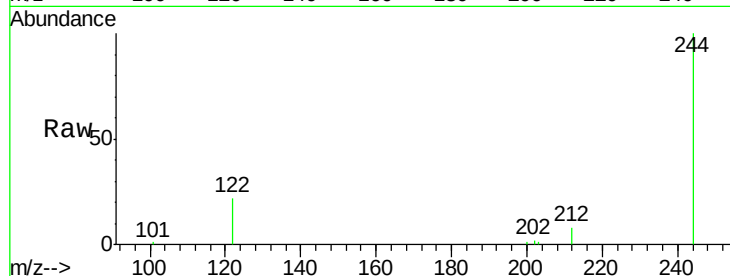




#17
 Terphenyl-d14
 Concen: 0.99 ng
 RT: 15.84 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

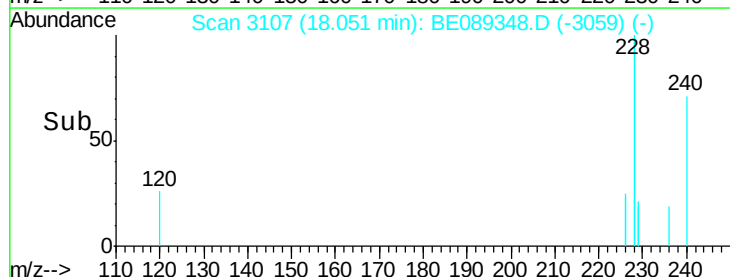
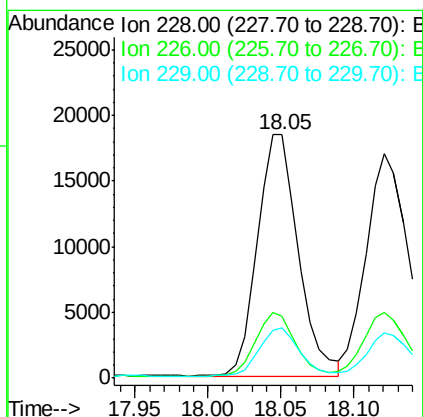
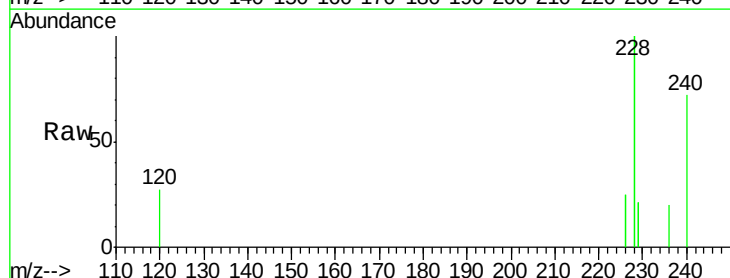
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

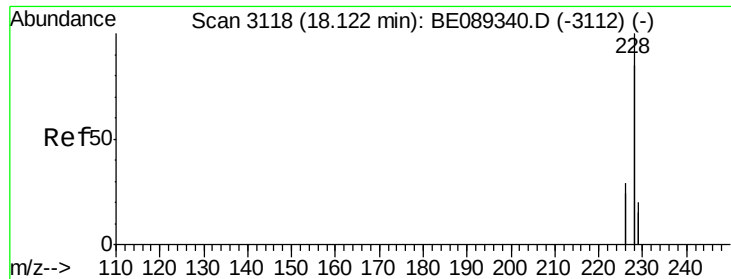
Tgt Ion:244 Resp: 6122
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 21.8 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 1.01 ng
 RT: 18.05 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

Tgt Ion:228 Resp: 35668
 Ion Ratio Lower Upper
 228 100
 226 25.3 21.0 31.6
 229 20.7 16.0 24.0





#19

Chrysene

Concen: 1.03 ng

RT: 18.12 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

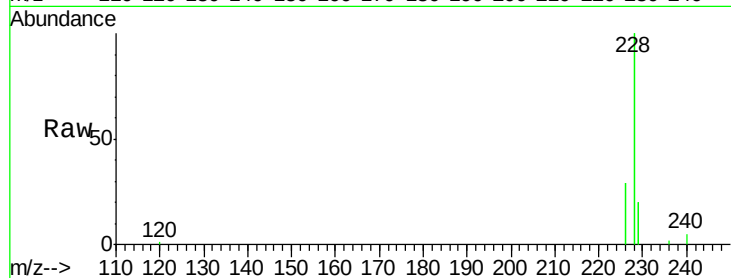
Tgt Ion:228 Resp: 36480

Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

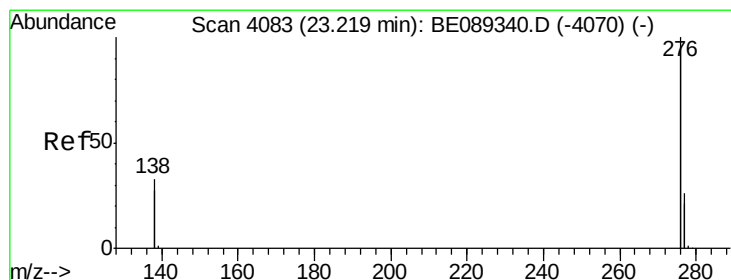
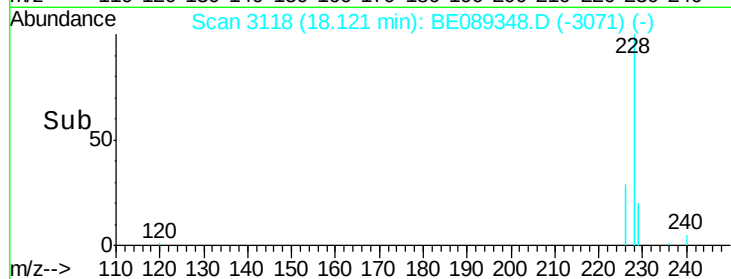
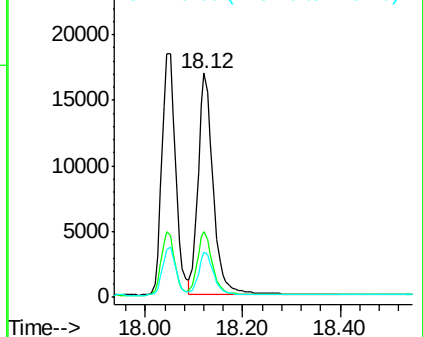
229 20.4 16.1 24.1



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



#20

Indeno(1,2,3-cd)pyrene

Concen: 0.65 ng

RT: 23.22 min Scan# 4083

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

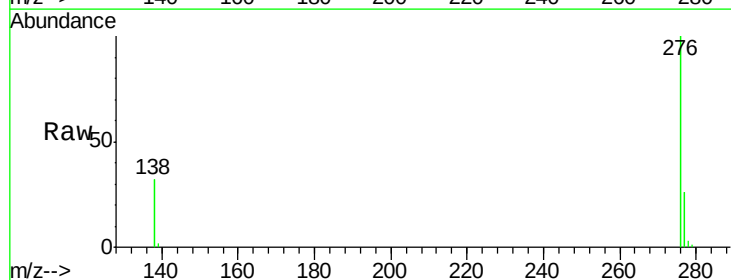
Tgt Ion:276 Resp: 22155

Ion Ratio Lower Upper

276 100

138 29.8 23.8 35.8

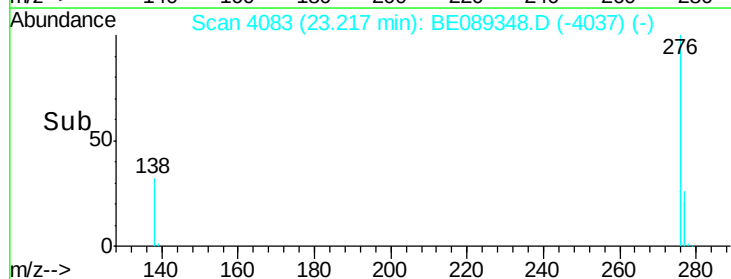
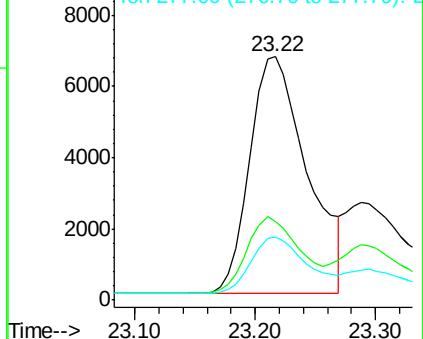
277 23.8 18.2 27.4

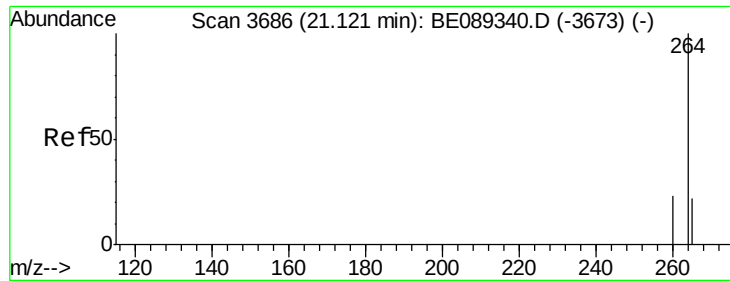


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

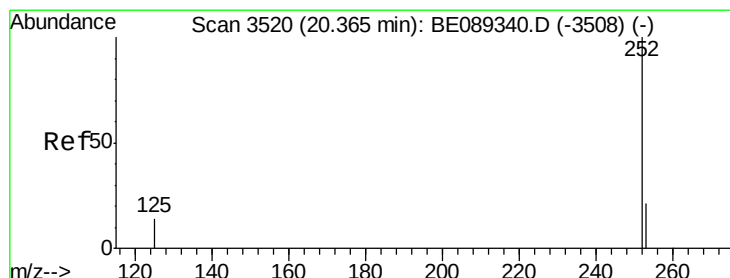
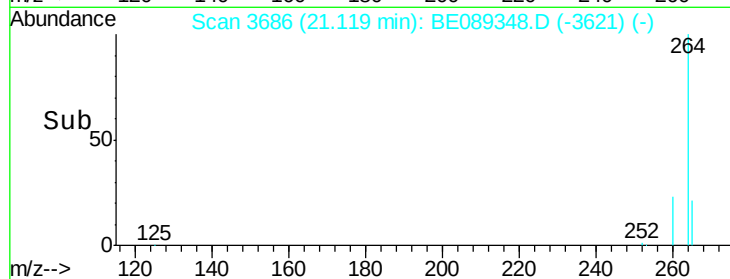
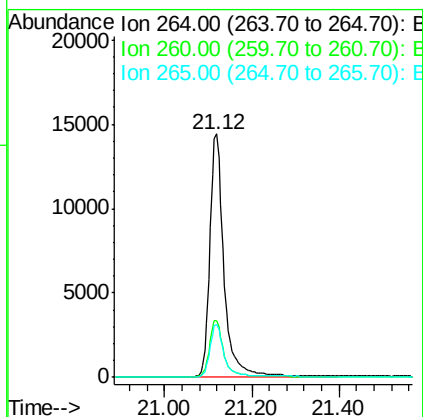
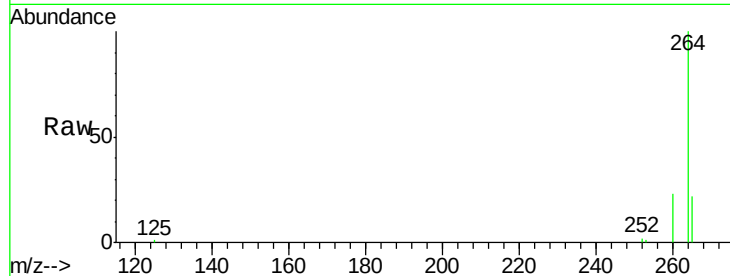




#21
Perylene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

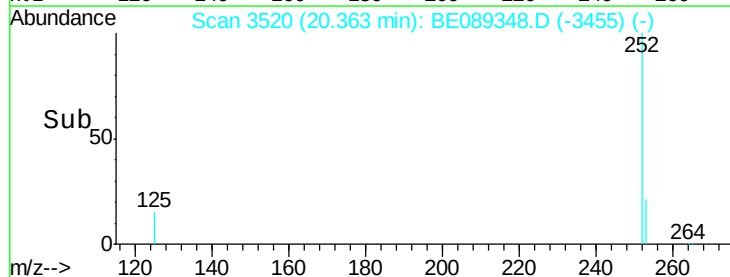
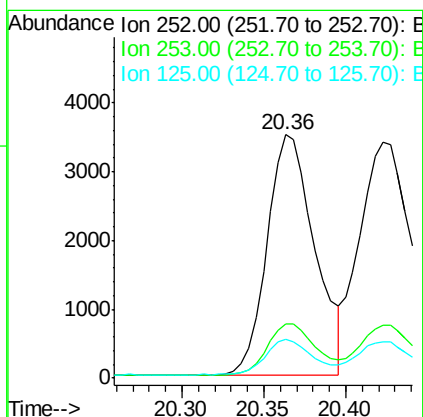
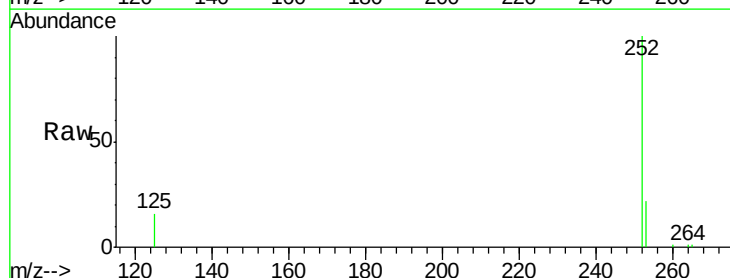
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

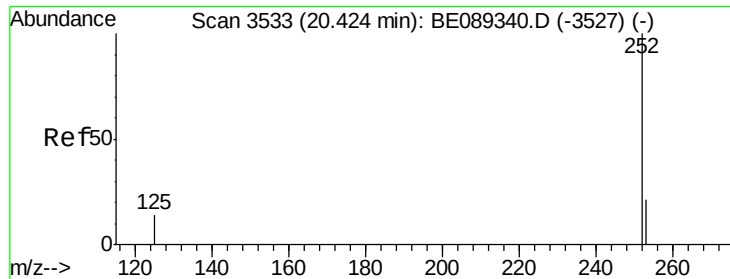
Tgt Ion: 264 Resp: 31940
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.9 28.3
 265 21.7 17.4 26.2



#22
Benzo(b)fluoranthene
 Concen: 1.02 ng
 RT: 20.36 min Scan# 3520
 Delta R.T. -0.00 min
 Lab File: BE089348.D
 Acq: 8 Jan 2015 2:30

Tgt Ion: 252 Resp: 7084
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.6
 125 15.9 12.6 18.8





#23

Benzo(k)fluoranthene

Concen: 1.05 ng

RT: 20.42 min Scan# 3533

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

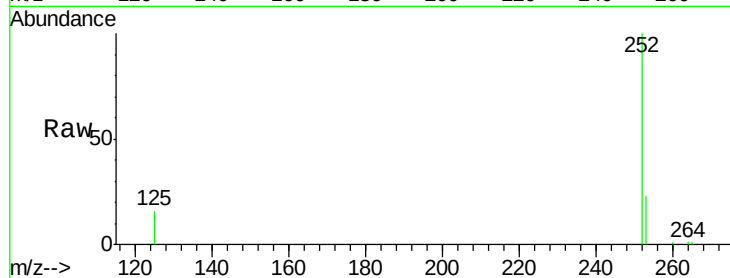
Tgt Ion:252 Resp: 9192

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

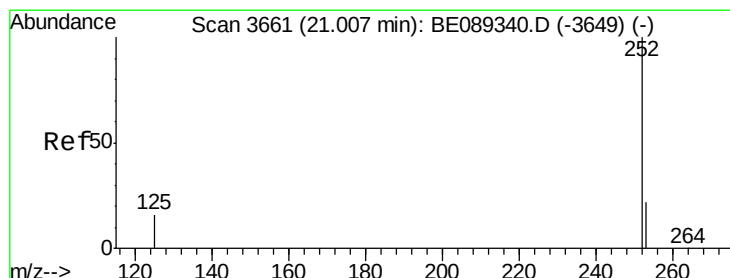
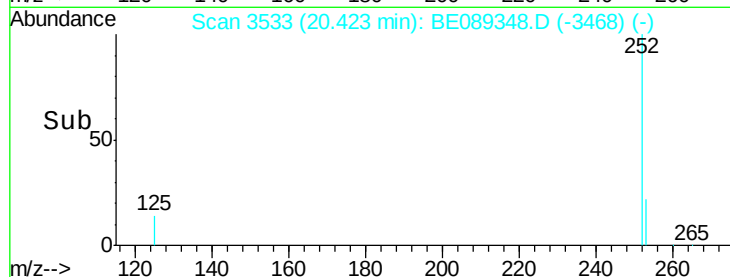
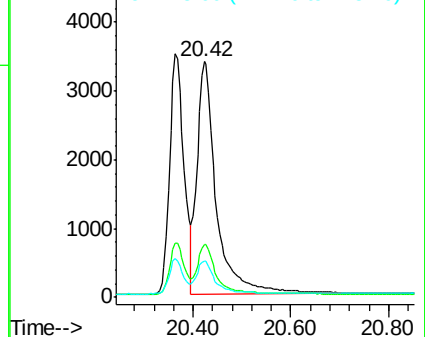
125 15.6 12.4 18.6



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

Benzo(a)pyrene

Concen: 1.01 ng

RT: 21.01 min Scan# 3661

Delta R.T. -0.00 min

Lab File: BE089348.D

Acq: 8 Jan 2015 2:30

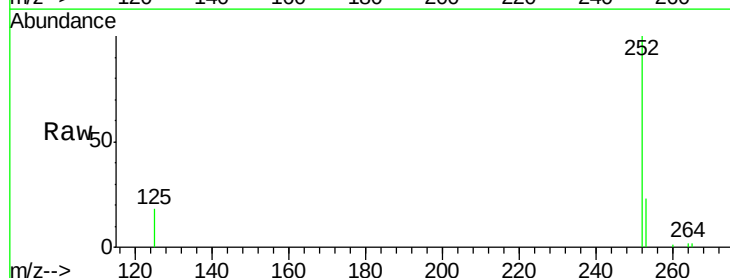
Tgt Ion:252 Resp: 6979

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

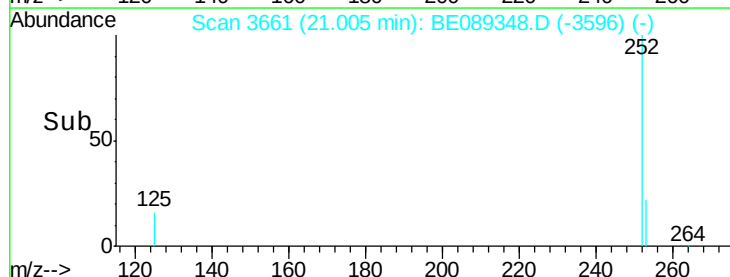
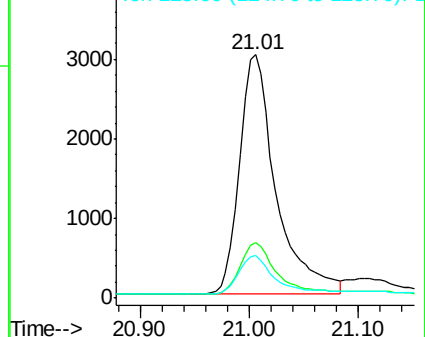
125 17.5 13.8 20.8

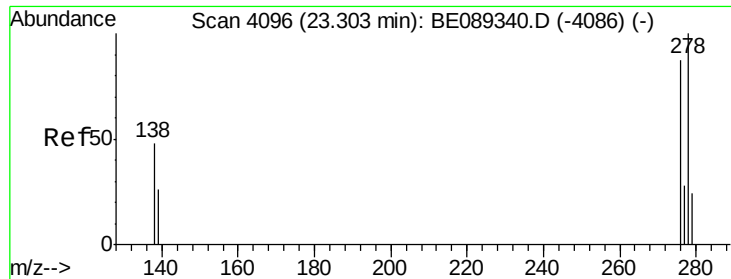


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



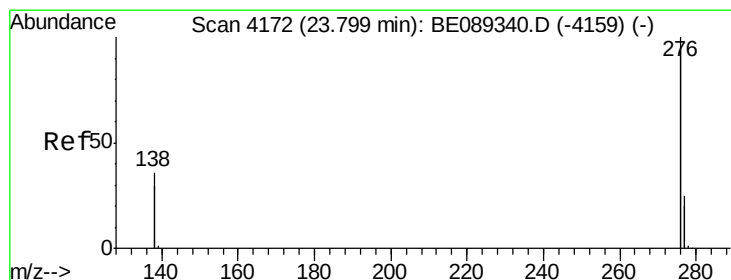
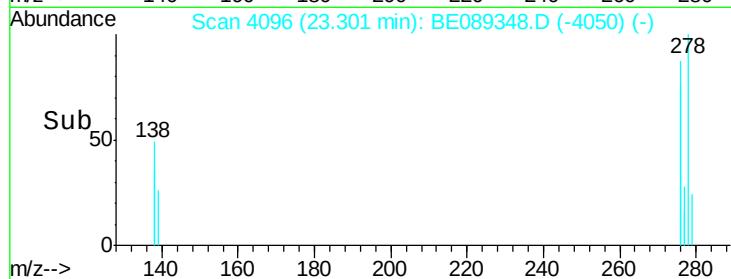
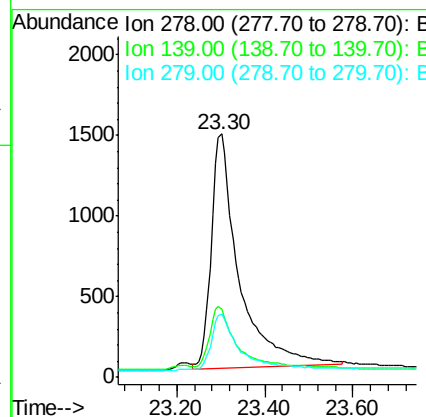
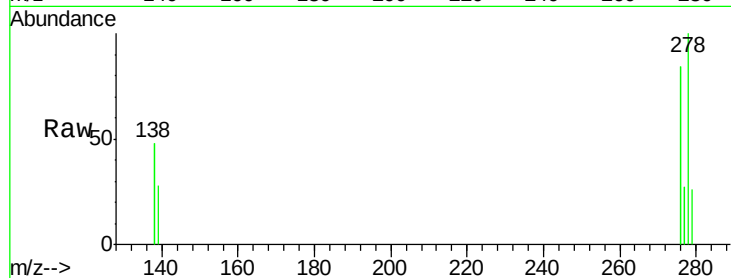


#25
Dibenzo(a,h)anthracene
Concen: 1.01 ng
RT: 23.30 min Scan# 4096
Delta R.T. -0.00 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion: 278 Resp: 6386

Ion	Ratio	Lower	Upper
278	100		
139	28.3	22.9	34.3
279	25.8	20.8	31.2



#26
Benzo(g,h,i)perylene
Concen: 1.02 ng
RT: 23.80 min Scan# 4172
Delta R.T. -0.00 min
Lab File: BE089348.D
Acq: 8 Jan 2015 2:30

Tgt Ion: 276 Resp: 32332

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.0	30.0
138	36.1	28.5	42.7

