

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070317\
 Data File : BE093421.D
 Acq On : 3 Jul 2017 9:57
 Operator : SJ/JU
 Sample : I3842-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-001

Quant Time: Jul 04 04:46:18 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

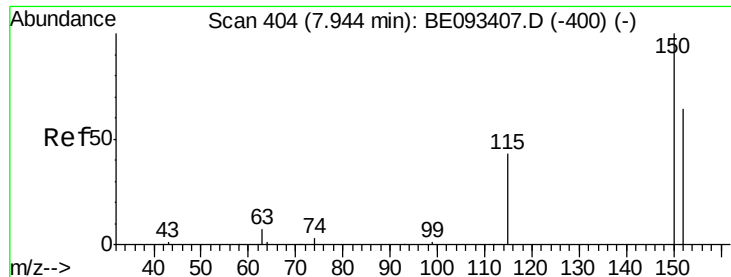
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	3278	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	15964	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	10272	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	30314	0.40	ng	0.00
27) Chrysene-d12	21.43	240	36743	0.40	ng	0.00
34) Perylene-d12	23.94	264	31418	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	3868	0.39	ng	0.00
5) Phenol-d6	7.10	99	6040	0.41	ng	0.00
8) Nitrobenzene-d5	9.08	82	4000	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	8203	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1146	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	12400	0.31	ng	0.00
25) Fluoranthene-d10	19.29	212	95187	0.26	ng	0.00
29) Terphenyl-d14	19.88	244	17168	0.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.77	128	14628	0.087	ng	# 75
12) 2-Methylnaphthalene	12.38	142	2037	0.073	ng	96
16) Acenaphthylene	14.26	152	10233	0.239	ng	# 86
17) Acenaphthene	14.60	154	3238	0.103	ng	97
18) Fluorene	15.59	166	7852	0.183	ng	# 80
23) Phenanthrene	17.30	178	170399	1.547	ng	98
24) Anthracene	17.40	178	16338	0.242	ng	95
26) Fluoranthene	19.32	202	230846	2.229	ng	99
28) Pyrene	19.67	202	241339	2.337	ng	# 91
30) Benzo(a)anthracene	21.40	228	115778	1.167	ng	93
31) Chrysene	21.46	228	120320	1.160	ng	96
32) Bis(2-ethylhexyl)phthalate	21.33	149	315680	2.210	ng	# 66
33) Indeno(1,2,3-cd)pyrene	26.59	276	61181	0.672	ng	# 91
35) Benzo(b)fluoranthene	23.17	252	131617	1.297	ng	95
36) Benzo(k)fluoranthene	23.21	252	51136m	0.509	ng	
37) Benzo(a)pyrene	23.82	252	94997	1.069	ng	96
38) Dibenzo(a,h)anthracene	26.60	278	16770	0.194	ng	# 87
39) Benzo(g,h,i)perylene	27.40	276	65094	0.747	ng	94

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

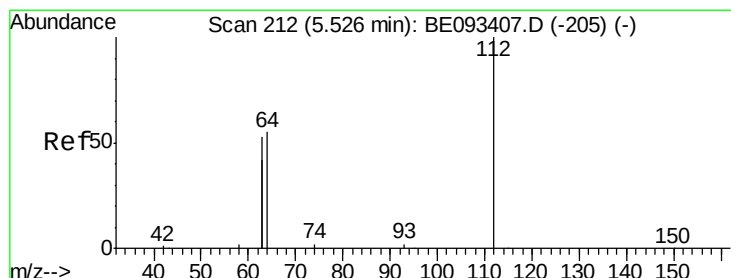
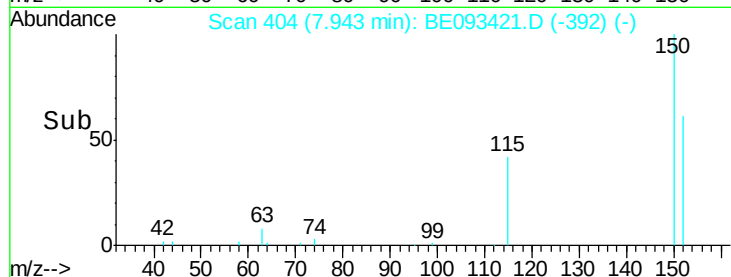
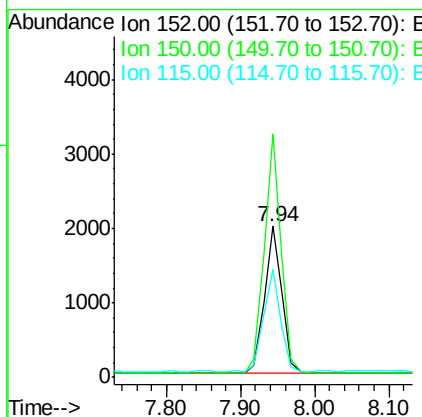
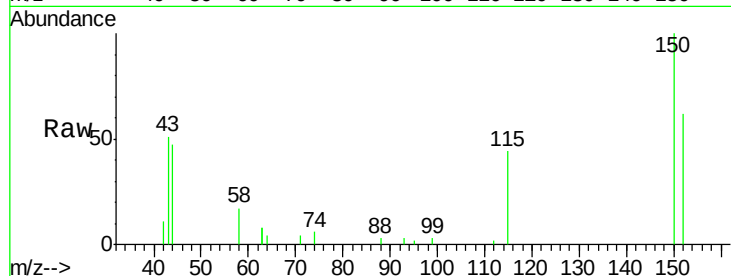
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Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070317\  
Data File : BE093421.D  
Acq On    : 3 Jul 2017 9:57  
Operator  : SJ/JU  
Sample    : I3842-01  
Misc      :  
ALS Vial  : 3 Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.94 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

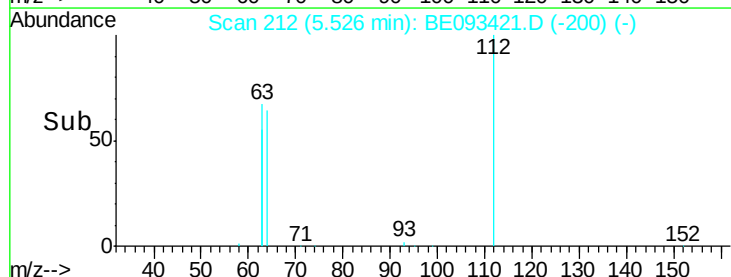
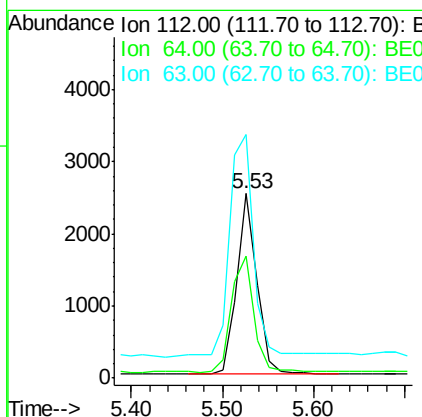
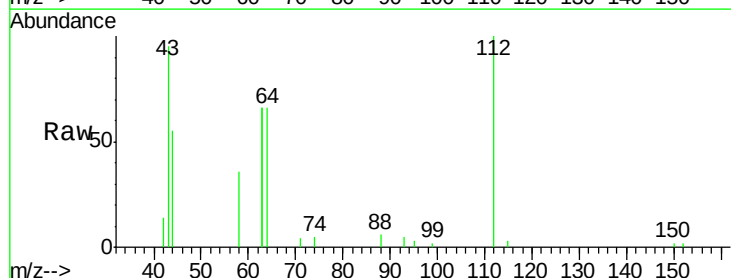
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-001

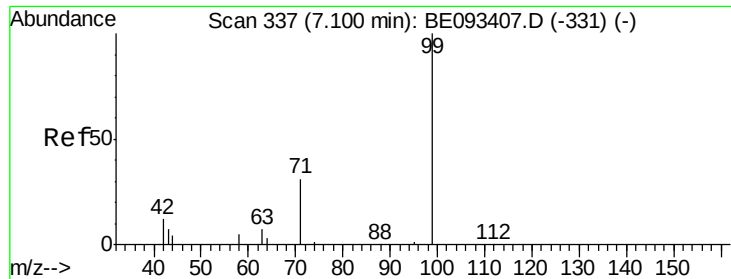
Tgt Ion:152 Resp: 3278
 Ion Ratio Lower Upper
 152 100
 150 160.9 125.1 187.7
 115 71.2 55.7 83.5



#4
 2-Fluorophenol
 Concen: 0.391 ng
 RT: 5.53 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

Tgt Ion:112 Resp: 3868
 Ion Ratio Lower Upper
 112 100
 64 70.5 56.4 84.6
 63 149.4 29.3 43.9#





#5

Phenol-d6

Concen: 0.414 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

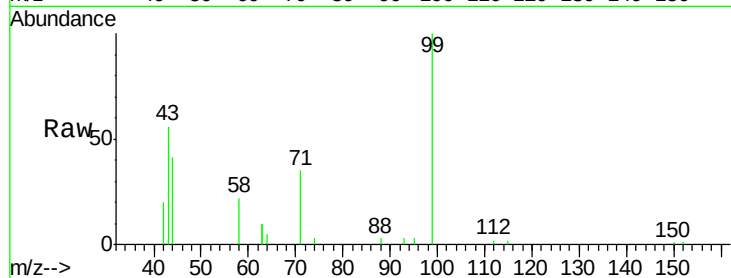
Tgt Ion: 99 Resp: 6040

Ion Ratio Lower Upper

99 100

42 25.4 0.0 0.0#

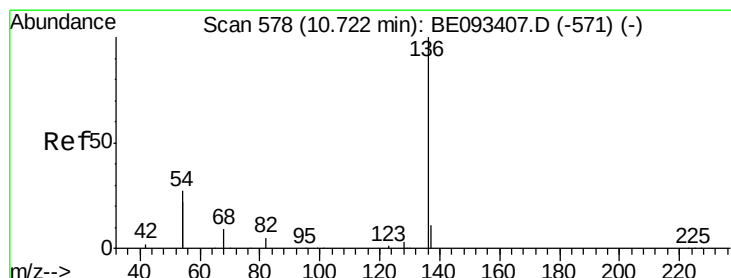
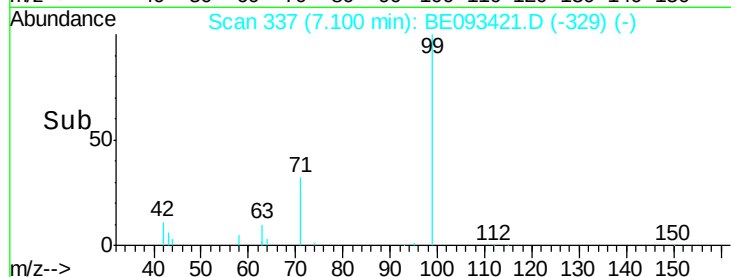
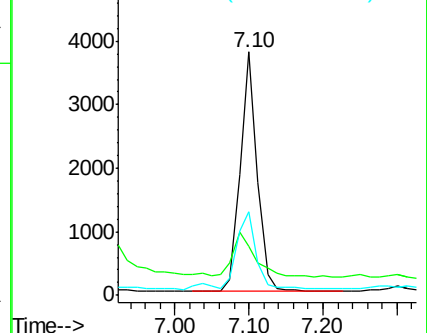
71 35.7 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Tgt Ion: 136 Resp: 15964

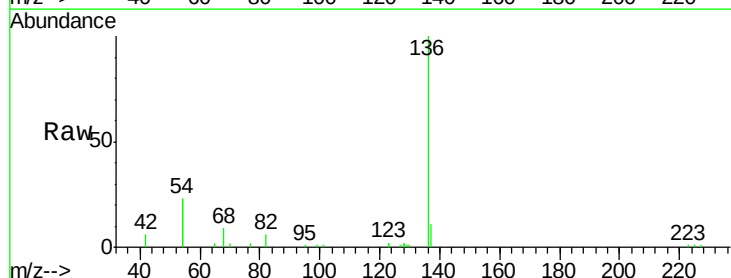
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 45.6 10.3 15.5#

68 9.3 9.0 13.4

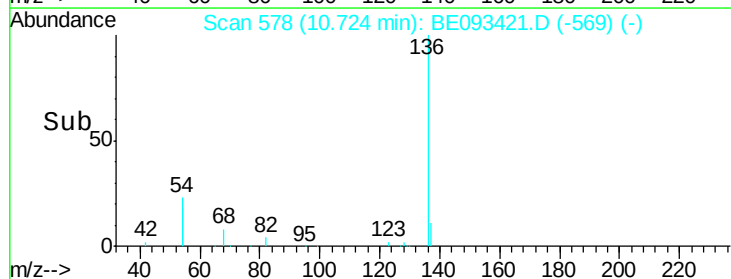
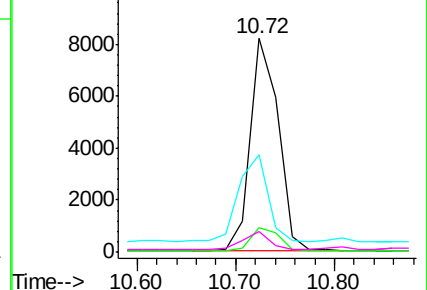


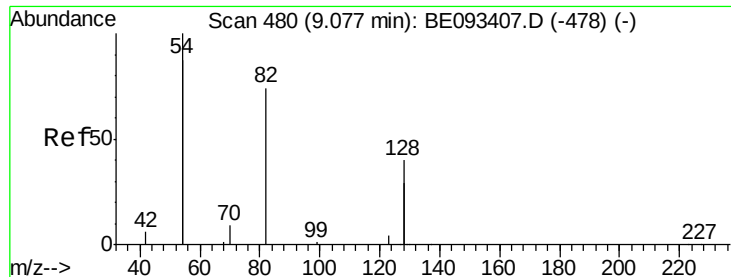
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.392 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

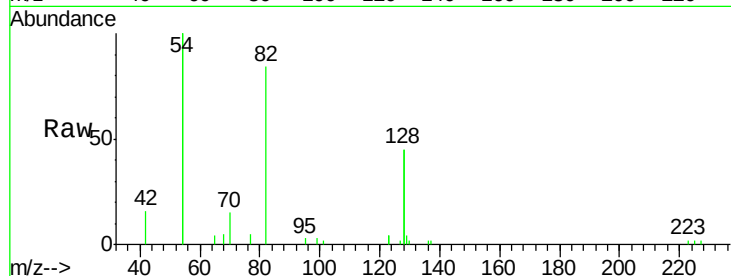
Tgt Ion: 82 Resp: 4000

Ion Ratio Lower Upper

82 100

128 106.0 17.0 25.4#

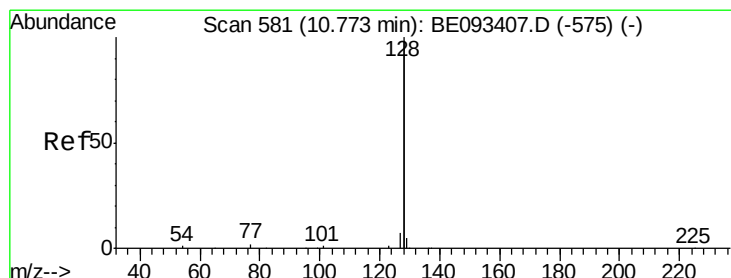
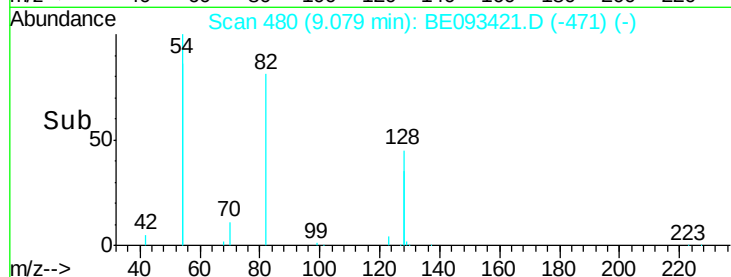
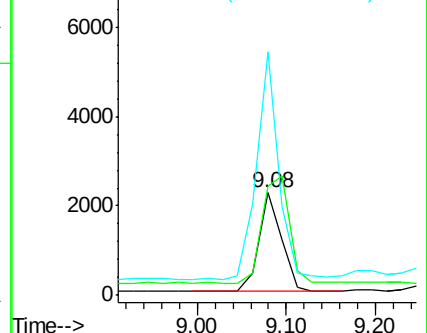
54 236.9 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.087 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

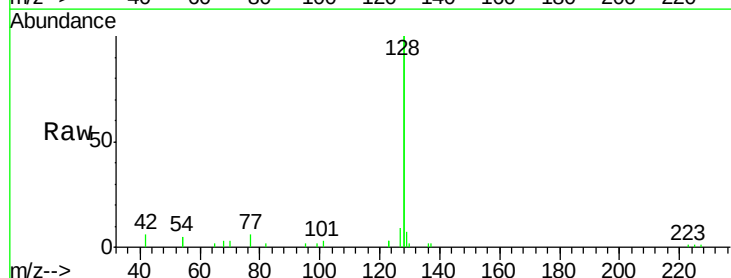
Tgt Ion: 128 Resp: 14628

Ion Ratio Lower Upper

128 100

129 3.4 11.4 17.0#

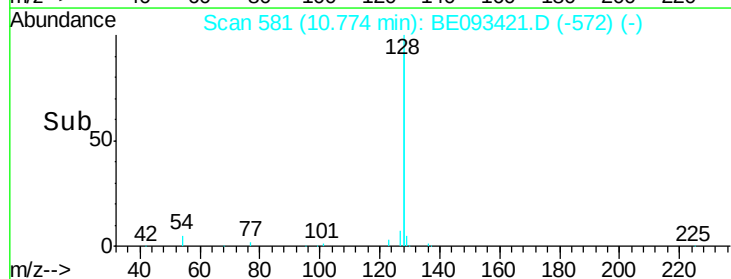
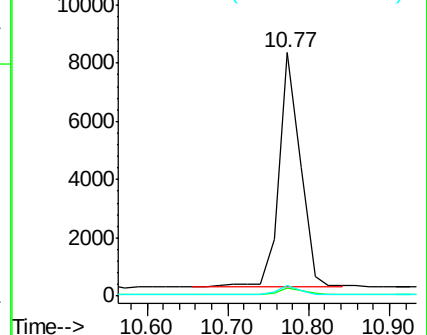
127 4.3 11.2 16.8#

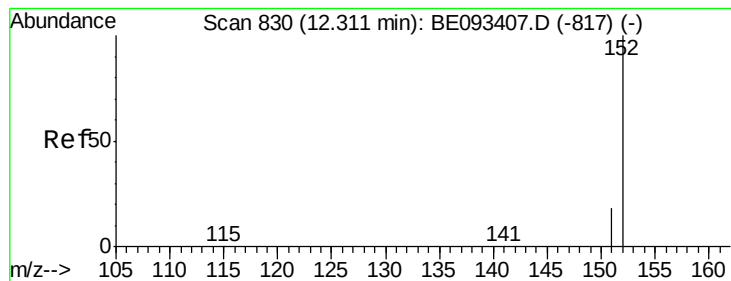


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.322 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

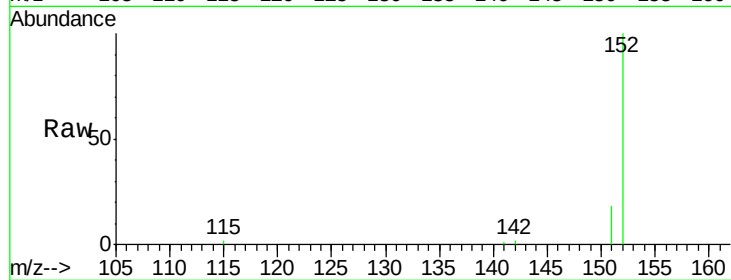
NC-TS-001

Tgt Ion:152 Resp: 8203

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.31

6000

5000

4000

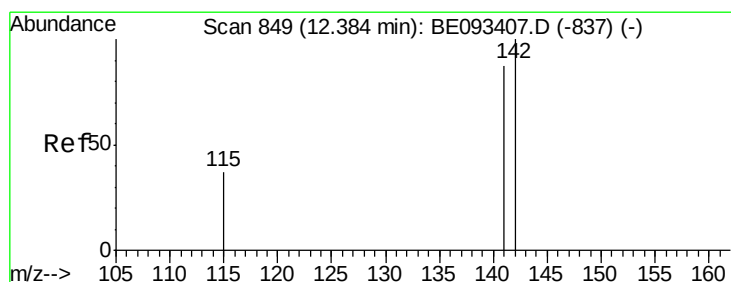
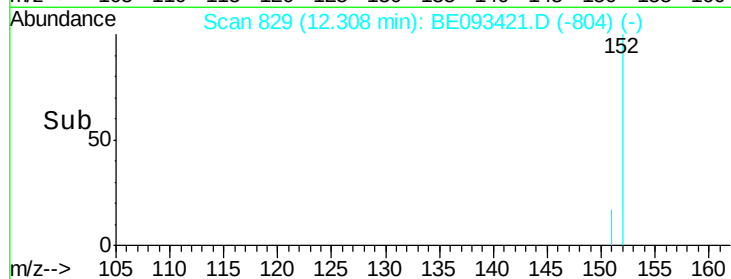
3000

2000

1000

0

Time--> 12.25 12.30 12.35



#12

2-Methylnaphthalene

Concen: 0.073 ng

RT: 12.38 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

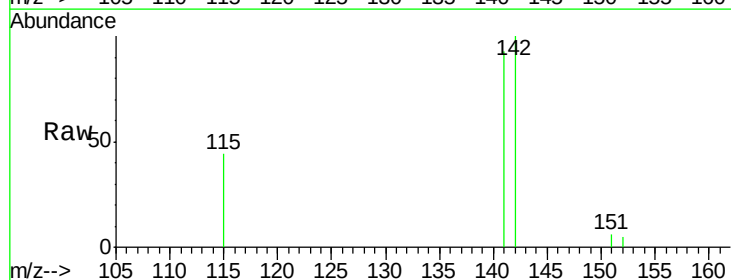
Tgt Ion:142 Resp: 2037

Ion Ratio Lower Upper

142 100

141 93.3 72.6 108.8

115 43.6 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.38

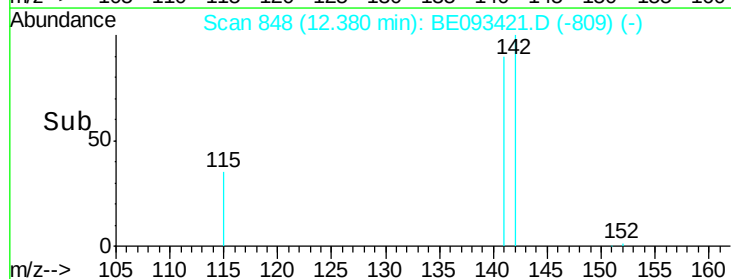
1500

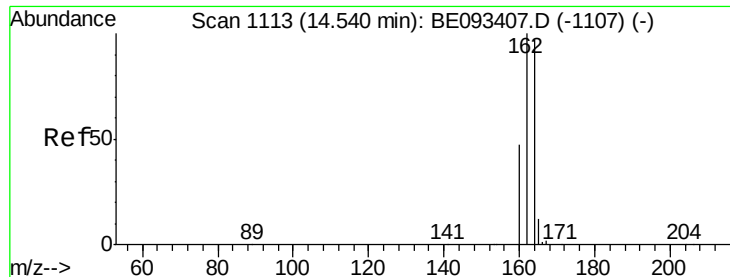
1000

500

0

Time--> 12.30 12.35 12.40 12.45





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

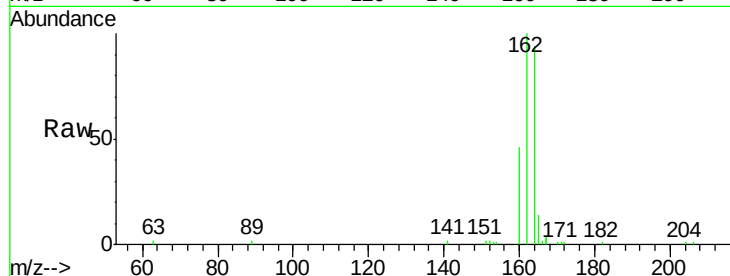
Tgt Ion:164 Resp: 10272

Ion Ratio Lower Upper

164 100

162 106.5 84.6 127.0

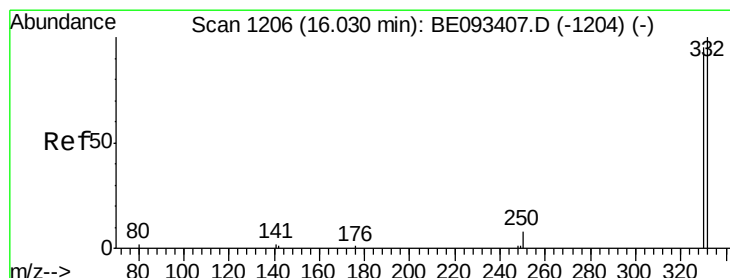
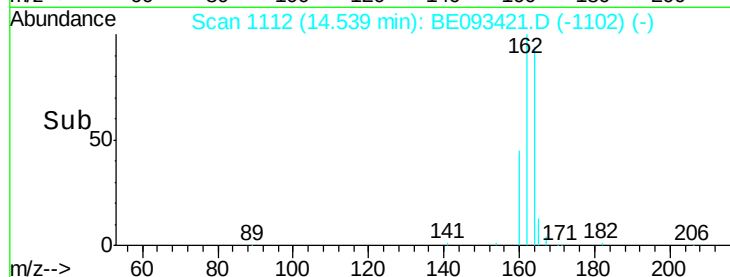
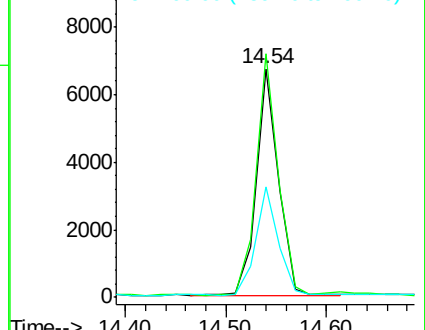
160 48.5 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.355 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

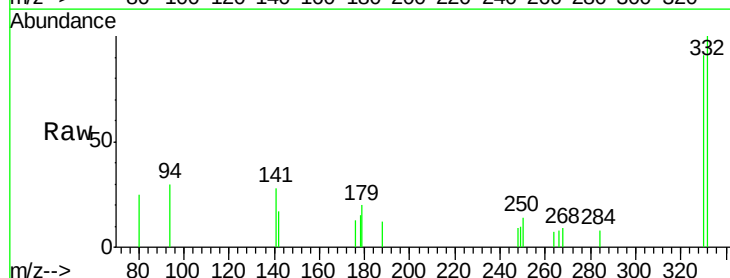
Tgt Ion:330 Resp: 1146

Ion Ratio Lower Upper

330 100

332 108.7 77.7 116.5

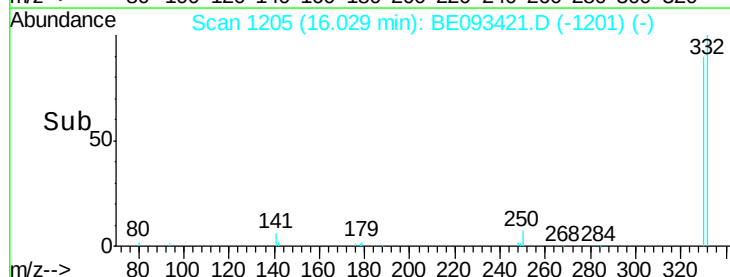
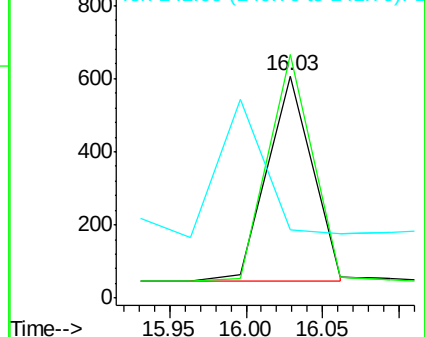
141 0.0 56.2 84.4#

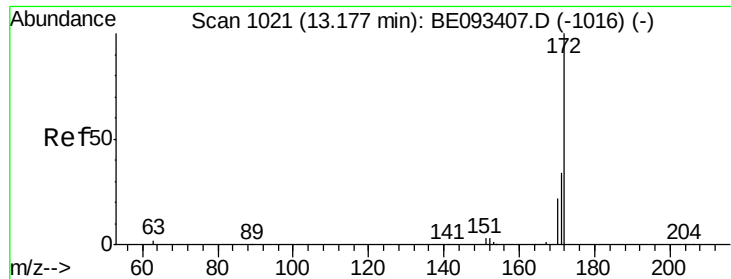


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

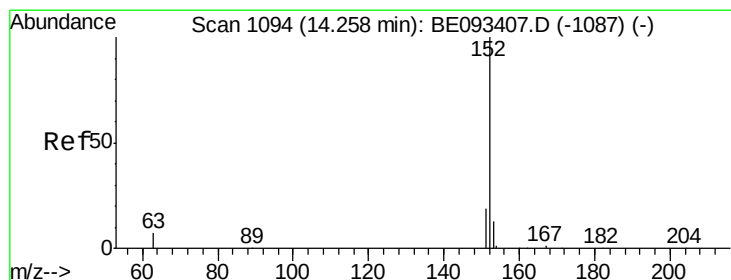
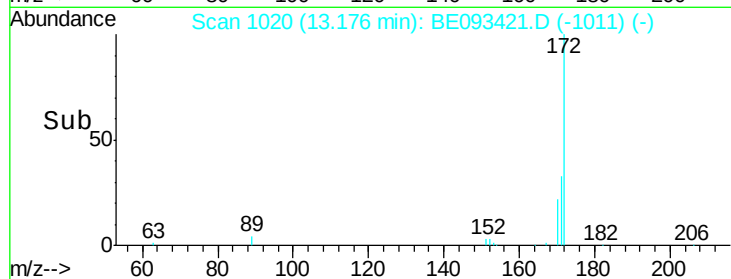
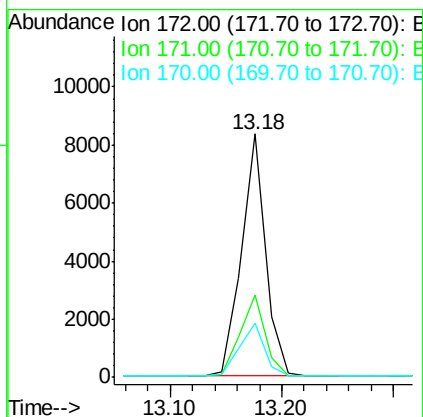
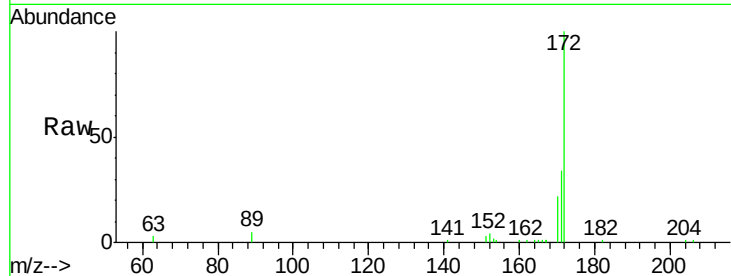




#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 13.18 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

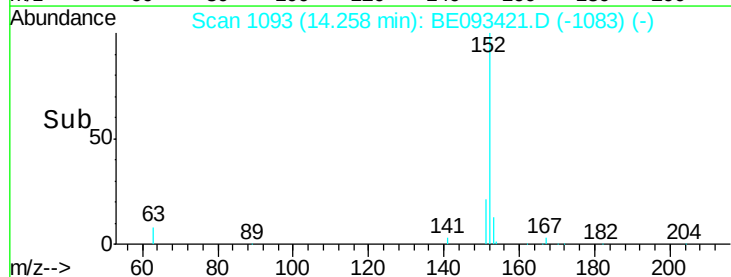
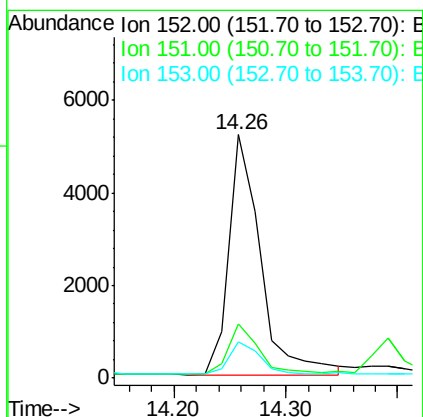
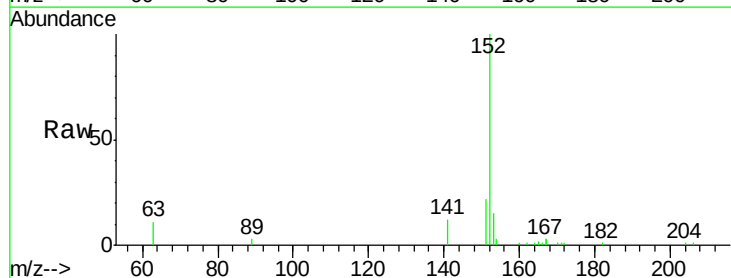
Instrument :
BNA_E
ClientSampleId :
NC-TS-001

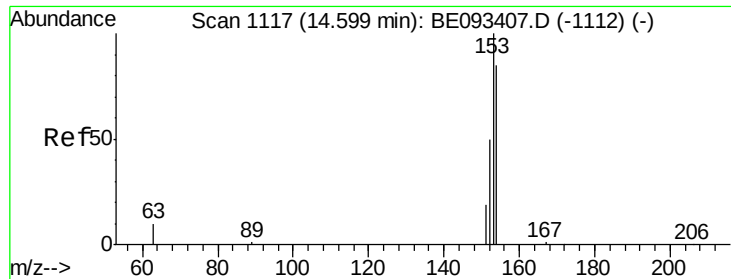
Tgt Ion:172 Resp: 12400
Ion Ratio Lower Upper
172 100
171 33.7 29.8 44.6
170 22.4 20.7 31.1



#16
Acenaphthylene
Concen: 0.239 ng
RT: 14.26 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

Tgt Ion:152 Resp: 10233
Ion Ratio Lower Upper
152 100
151 20.1 4.0 6.0#
153 13.5 10.3 15.5

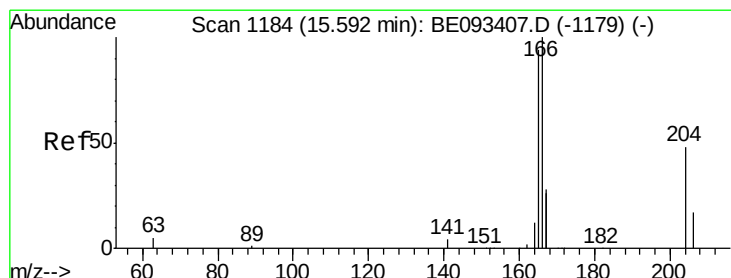
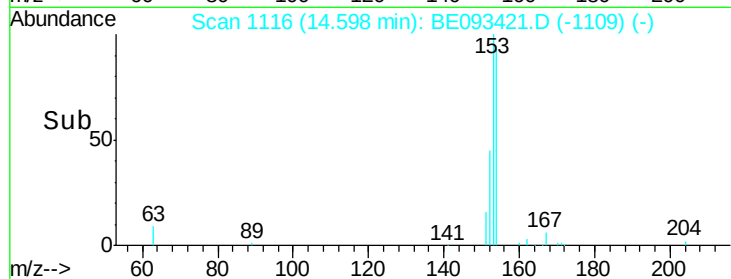
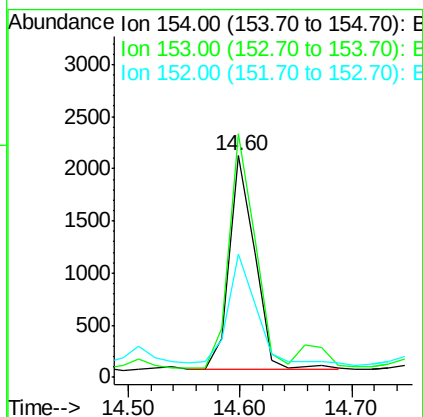
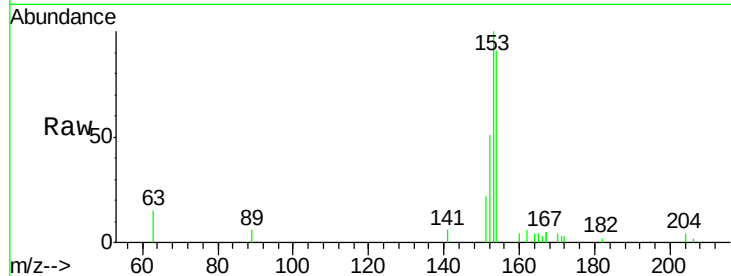




#17
Acenaphthene
Concen: 0.103 ng
RT: 14.60 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

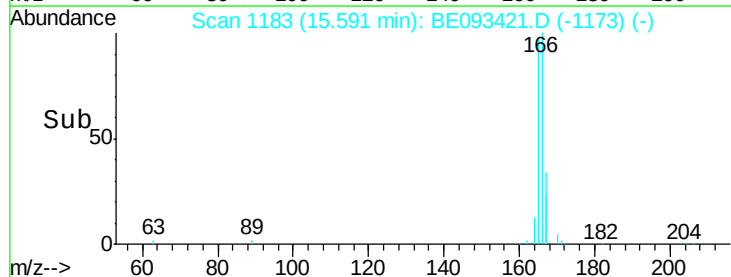
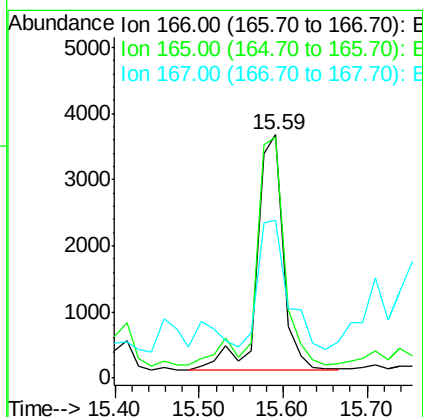
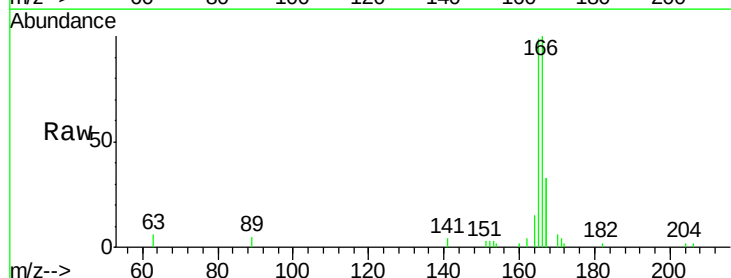
Instrument :
BNA_E
ClientSampleId :
NC-TS-001

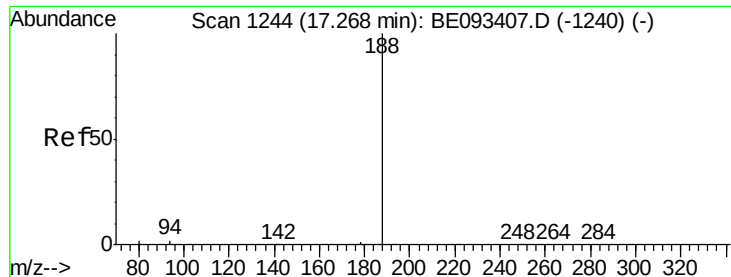
Tgt Ion:154 Resp: 3238
Ion Ratio Lower Upper
154 100
153 111.1 91.2 136.8
152 54.3 44.8 67.2



#18
Fluorene
Concen: 0.183 ng
RT: 15.59 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

Tgt Ion:166 Resp: 7852
Ion Ratio Lower Upper
166 100
165 104.0 78.6 117.8
167 62.1 11.1 16.7#

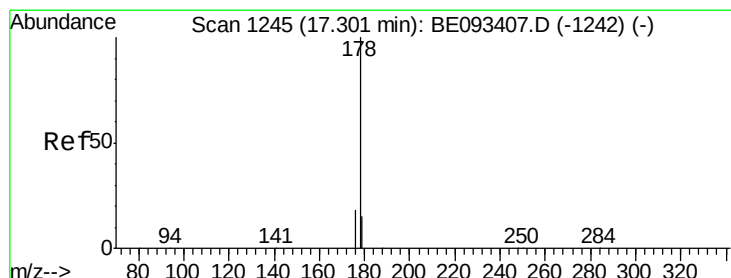
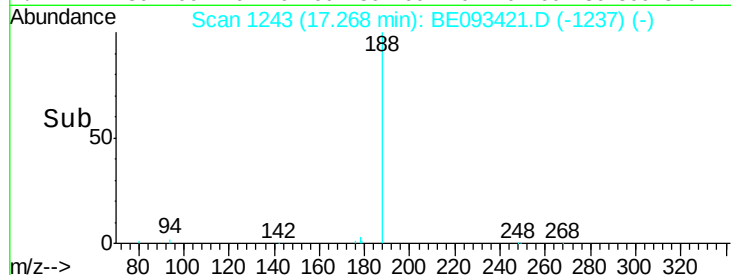
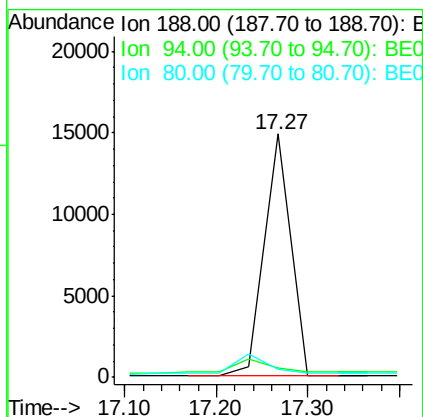
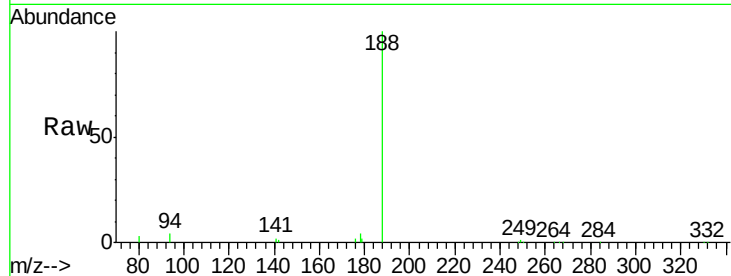




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

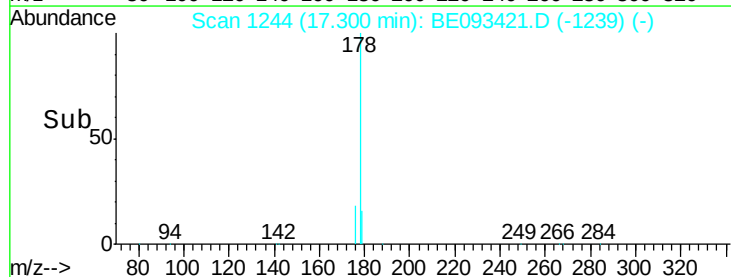
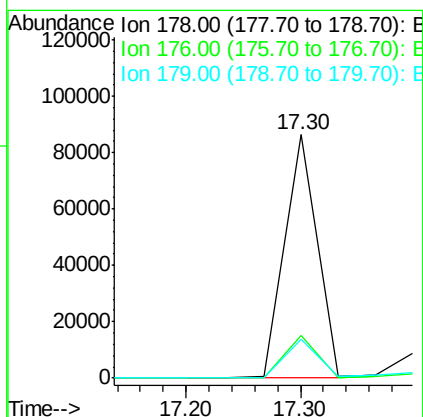
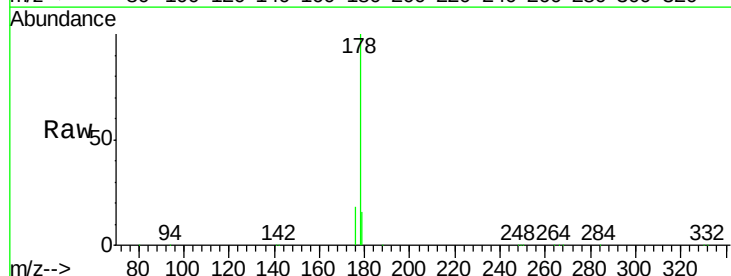
Instrument :
BNA_E
ClientSampleId :
NC-TS-001

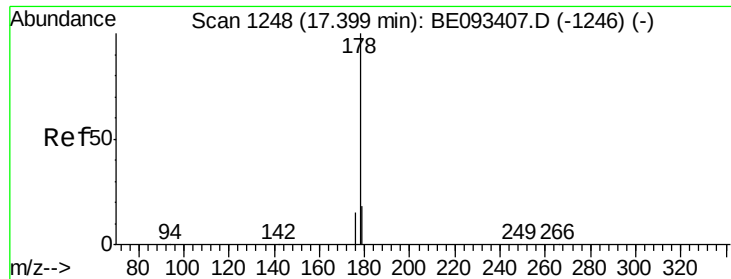
Tgt Ion:188 Resp: 30314
Ion Ratio Lower Upper
188 100
94 3.9 11.3 16.9#
80 3.1 11.7 17.5#



#23
Phenanthrene
Concen: 1.547 ng
RT: 17.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093421.D
Acq: 3 Jul 2017 9:57

Tgt Ion:178 Resp: 170399
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.4
179 16.1 12.7 19.1





#24

Anthracene

Concen: 0.242 ng

RT: 17.40 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

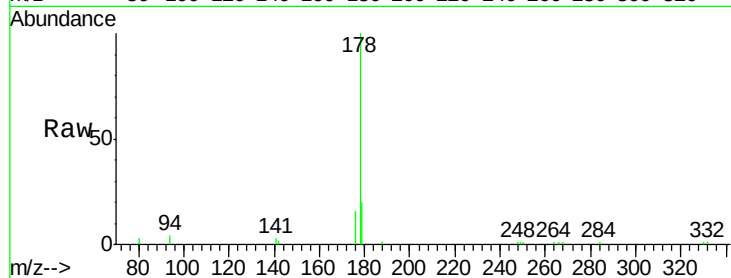
Tgt Ion:178 Resp: 16338

Ion Ratio Lower Upper

178 100

176 15.0 14.6 22.0

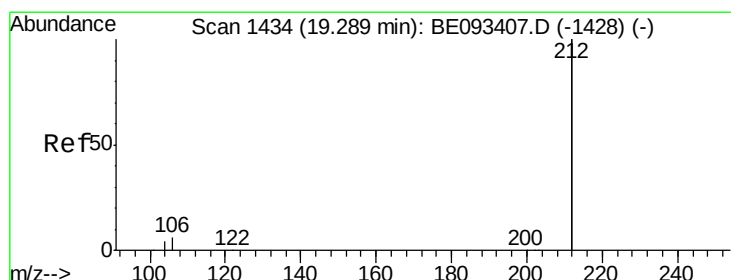
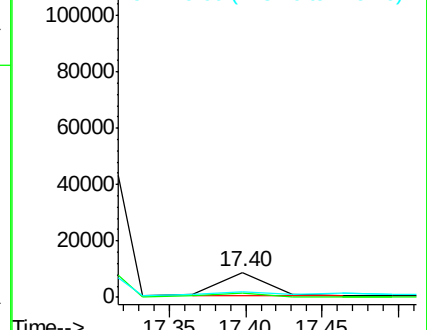
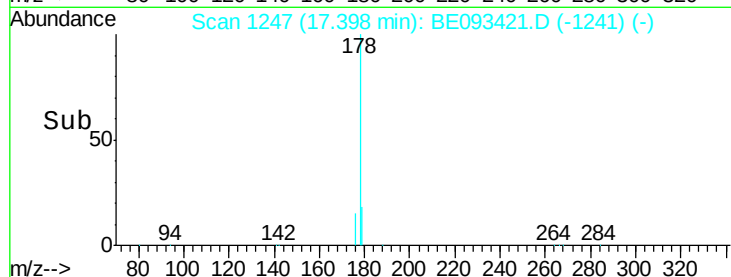
179 13.8 12.0 18.0



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



#25

Fluoranthene-d10

Concen: 0.260 ng

RT: 19.29 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

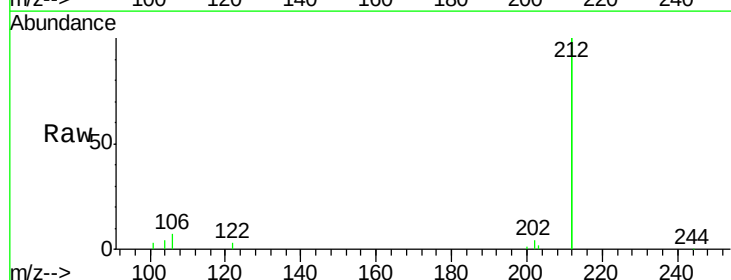
Tgt Ion:212 Resp: 95187

Ion Ratio Lower Upper

212 100

106 4.0 2.4 3.6#

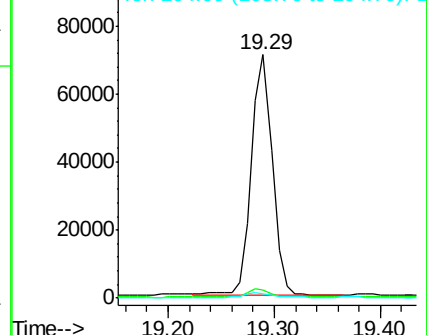
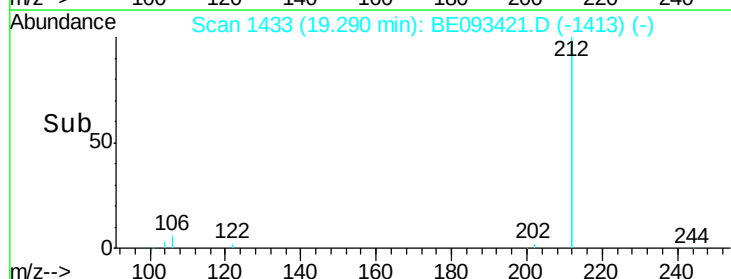
104 2.5 1.6 2.4#

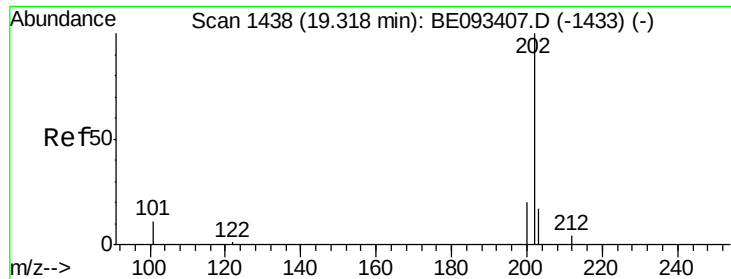


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

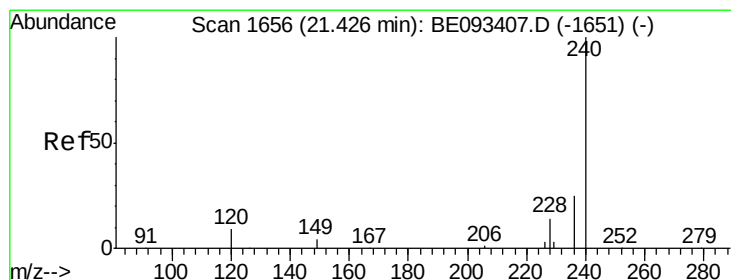
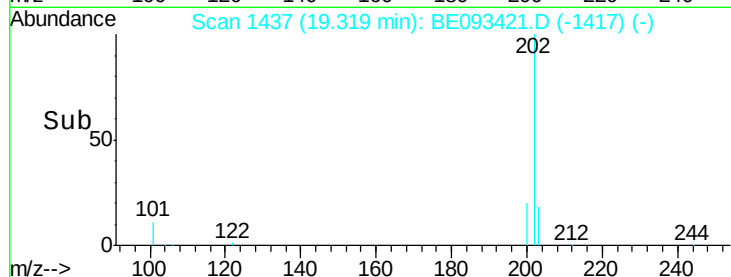
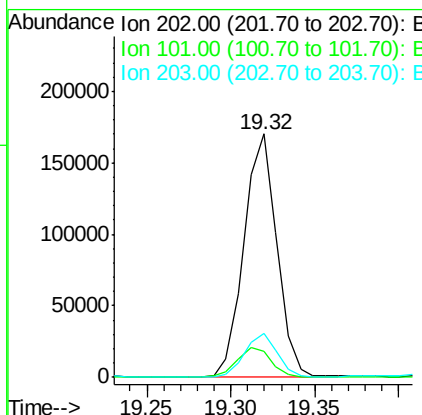
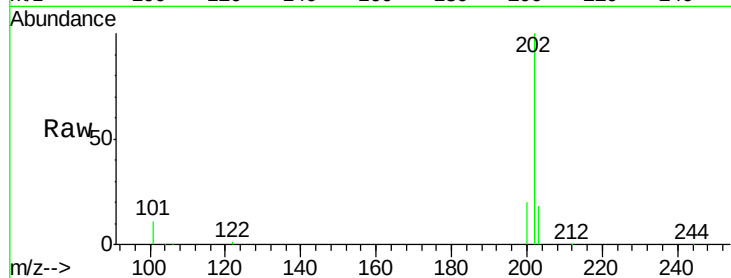




#26
 Fluoranthene
 Concen: 2.229 ng
 RT: 19.32 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

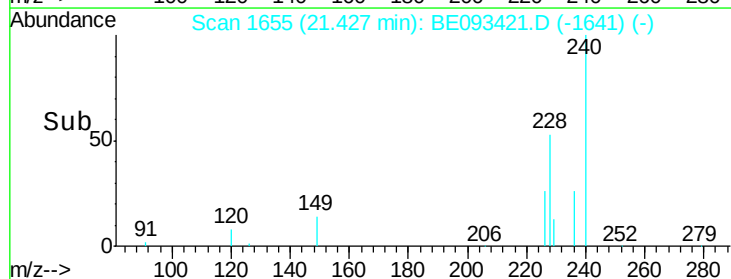
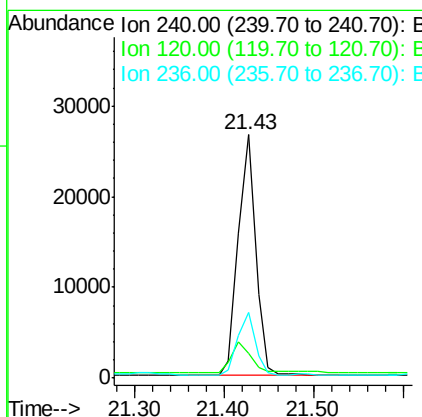
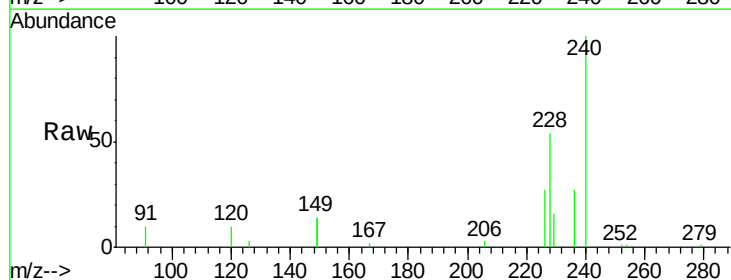
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-001

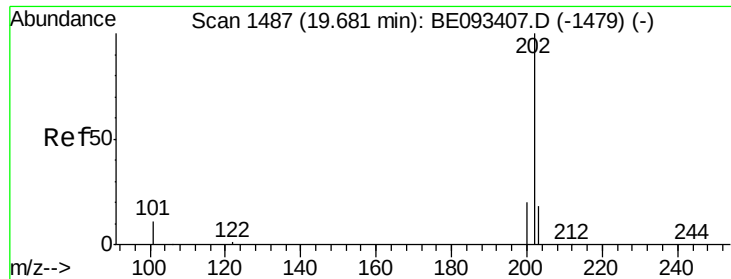
Tgt Ion: 202 Resp: 230846
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.6 14.4
 203 17.4 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

Tgt Ion: 240 Resp: 36743
 Ion Ratio Lower Upper
 240 100
 120 10.4 4.6 7.0#
 236 26.9 20.8 31.2





#28

Pyrene

Concen: 2.337 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

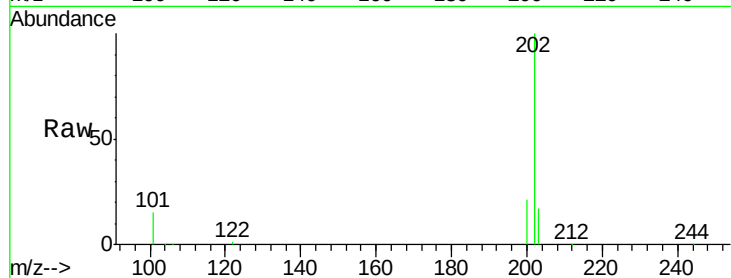
Tgt Ion: 202 Resp: 241339

Ion Ratio Lower Upper

202 100

200 21.1 0.0 0.0#

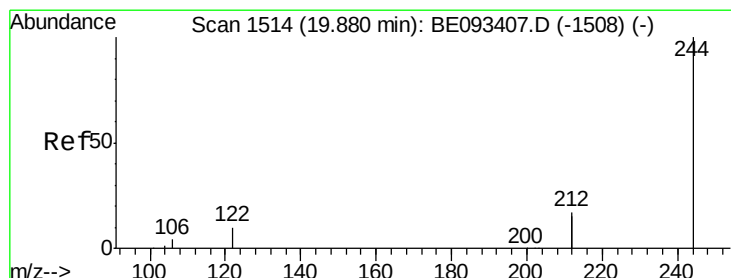
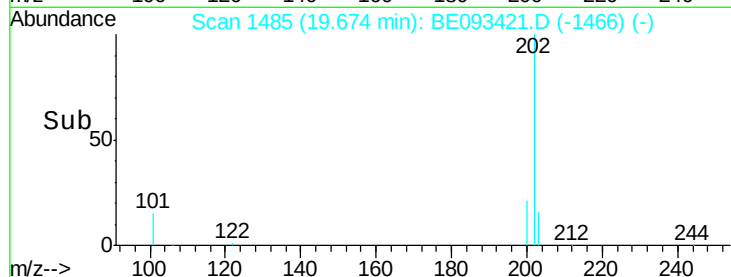
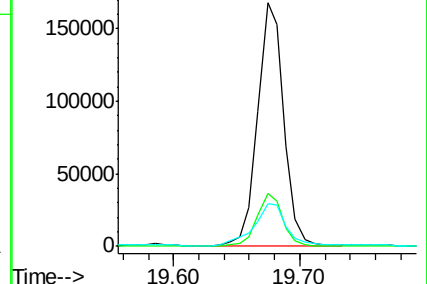
203 21.1 13.7 20.5#



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



#29

Terphenyl-d14

Concen: 0.262 ng

RT: 19.88 min Scan# 1513

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

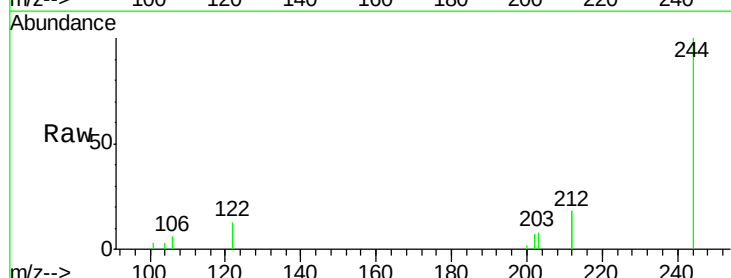
Tgt Ion: 244 Resp: 17168

Ion Ratio Lower Upper

244 100

212 35.8 10.6 16.0#

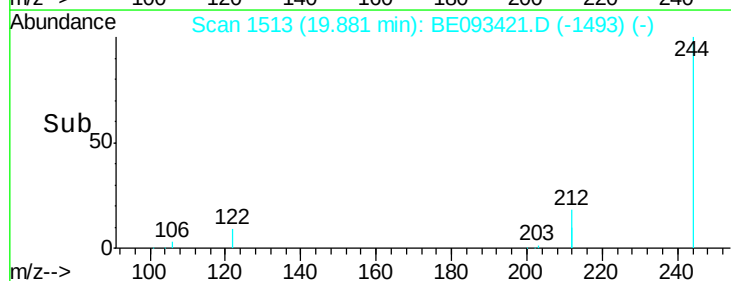
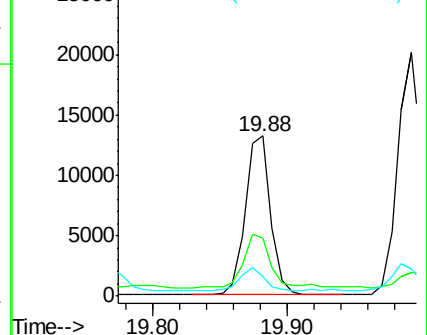
122 12.5 15.4 23.0#

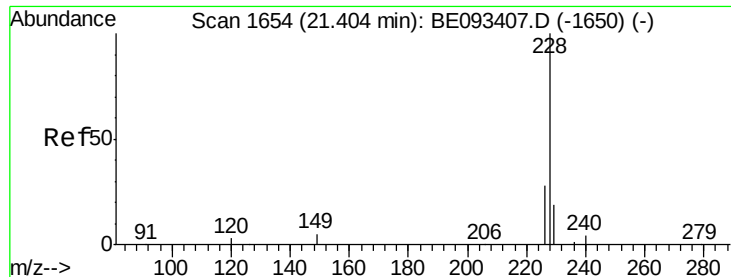


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.167 ng

RT: 21.40 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

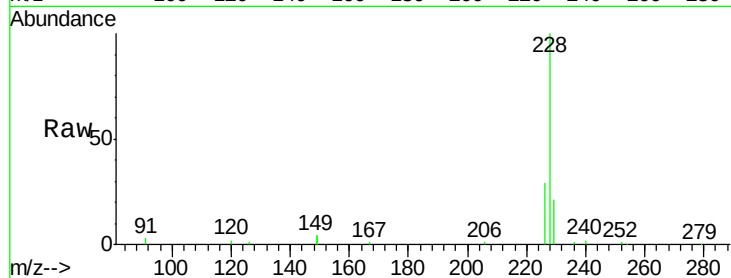
Tgt Ion:228 Resp: 115778

Ion Ratio Lower Upper

228 100

226 28.7 19.7 29.5

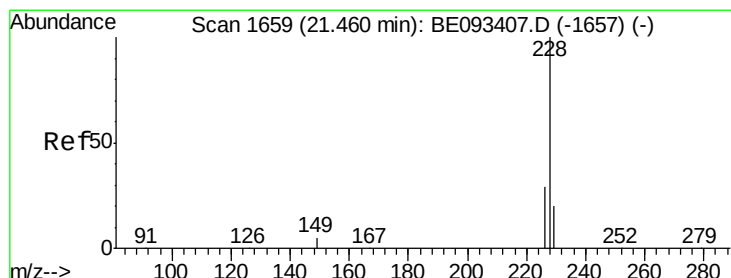
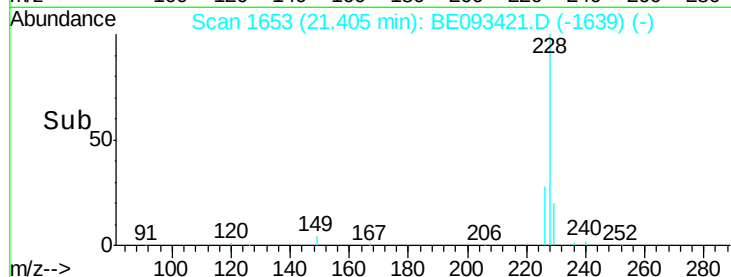
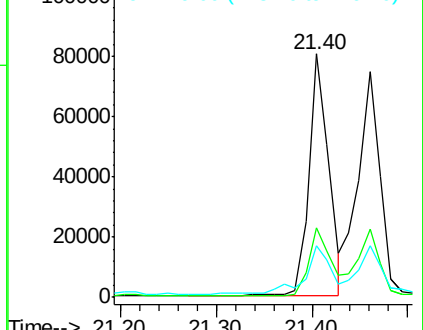
229 20.9 19.2 28.8



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



#31

Chrysene

Concen: 1.160 ng

RT: 21.46 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

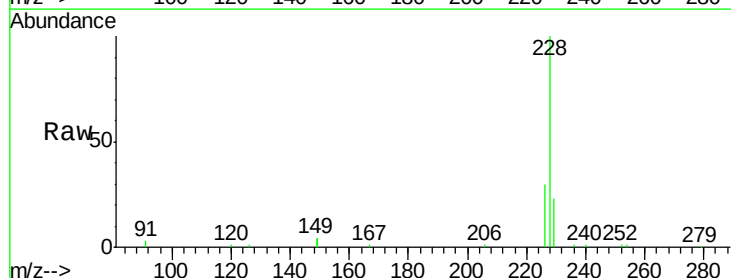
Tgt Ion:228 Resp: 120320

Ion Ratio Lower Upper

228 100

226 30.3 21.5 32.3

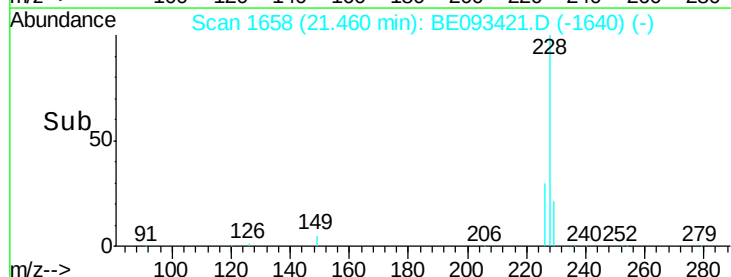
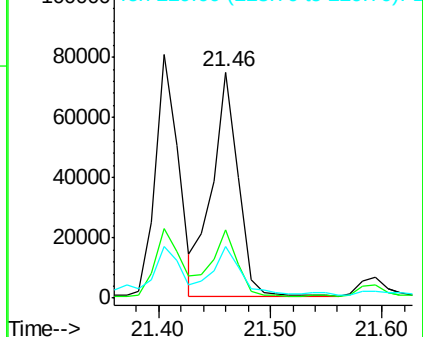
229 22.6 18.6 28.0

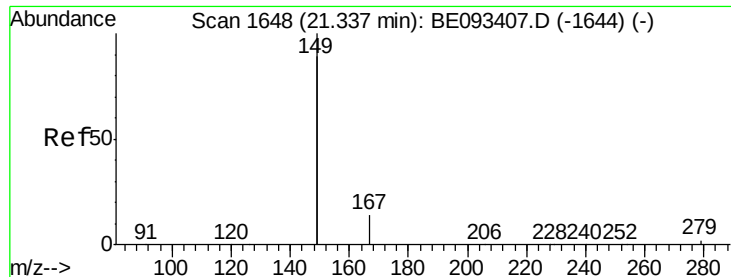


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

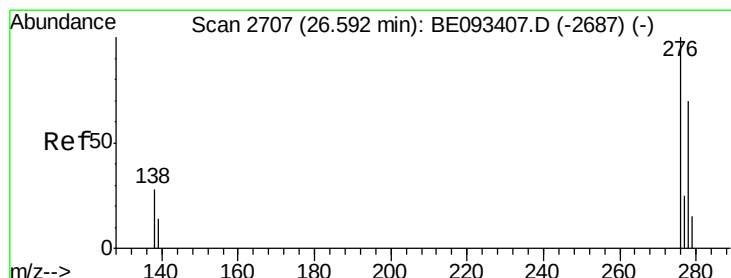
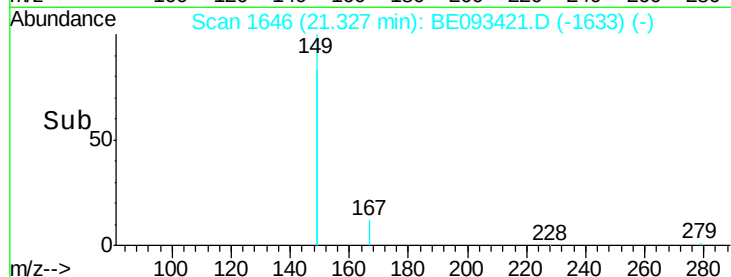
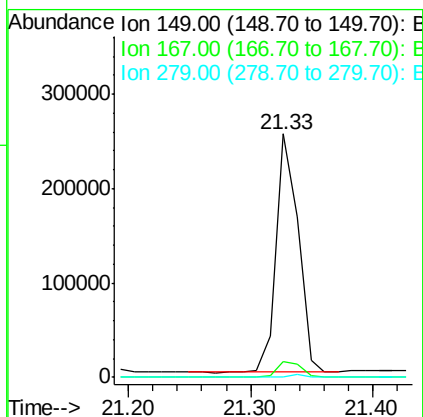
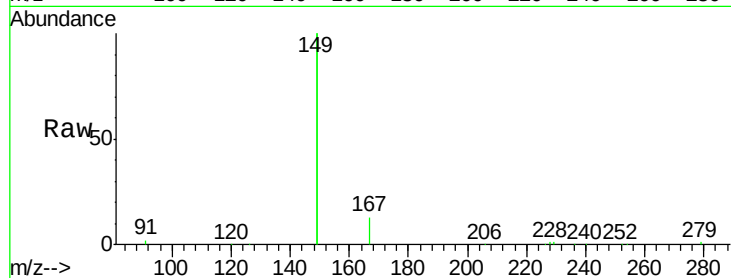




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.210 ng
 RT: 21.33 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

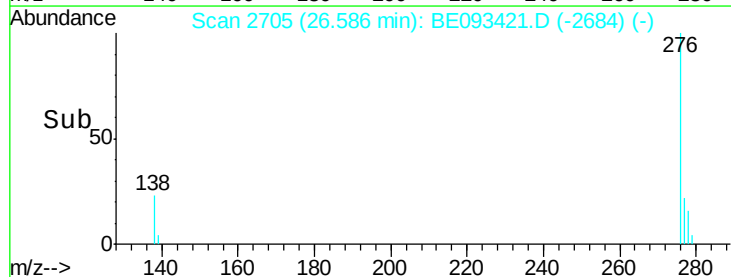
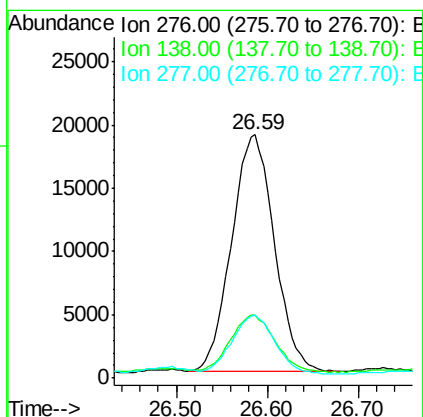
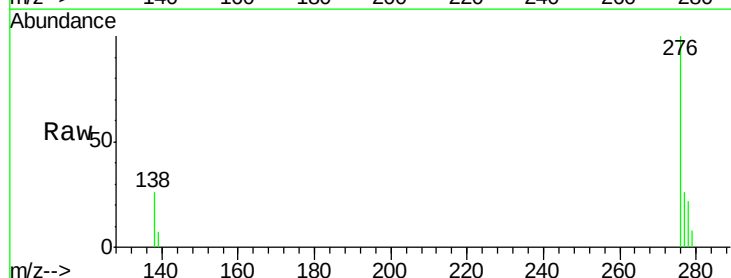
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-001

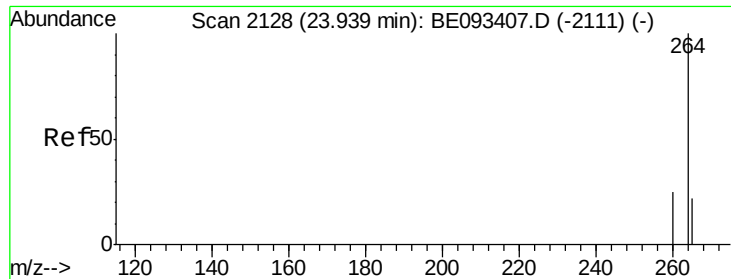
Tgt Ion:149 Resp: 315680
 Ion Ratio Lower Upper
 149 100
 167 6.7 20.1 30.1#
 279 0.9 2.2 3.4#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.672 ng
 RT: 26.59 min Scan# 2705
 Delta R.T. -0.01 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

Tgt Ion:276 Resp: 61181
 Ion Ratio Lower Upper
 276 100
 138 25.6 27.4 41.2#
 277 24.7 20.1 30.1

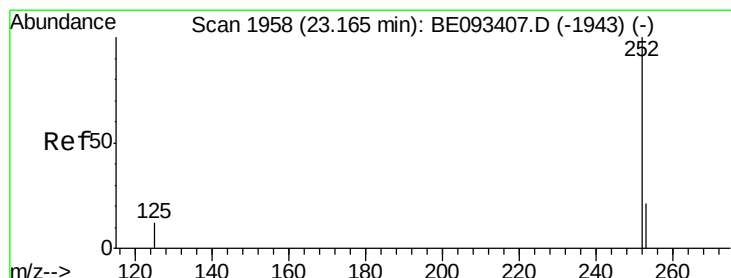
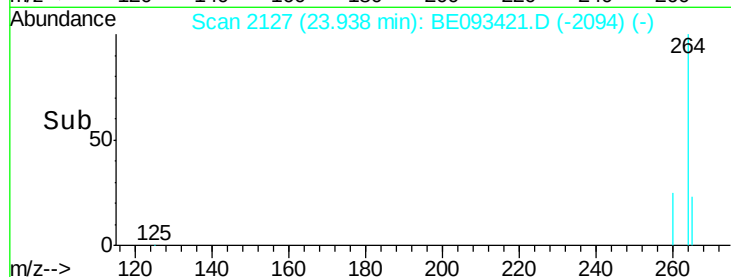
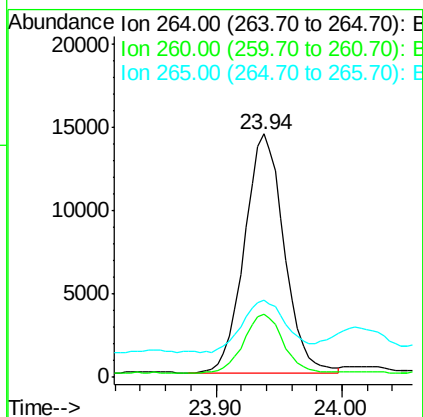
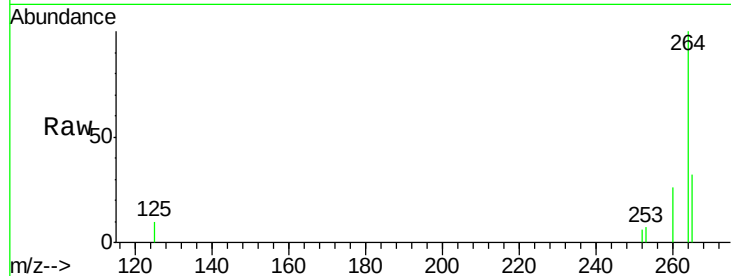




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

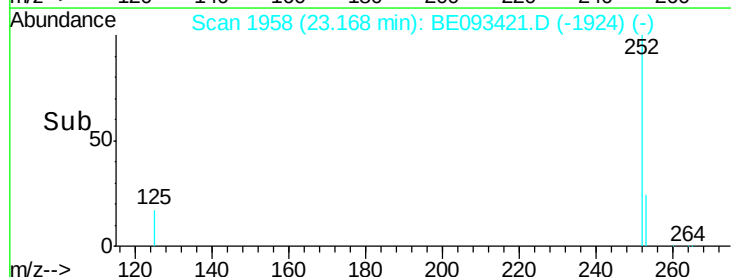
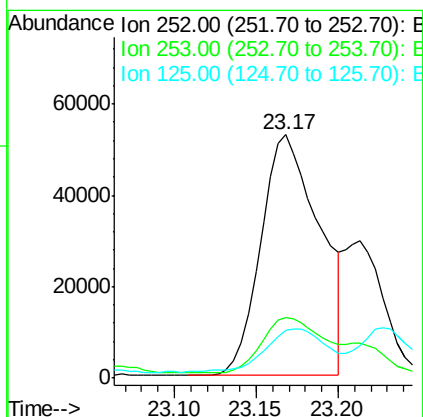
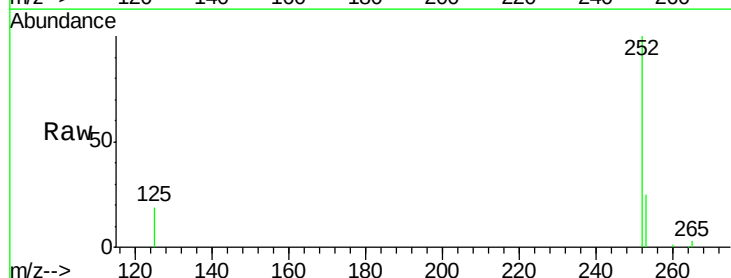
Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-001

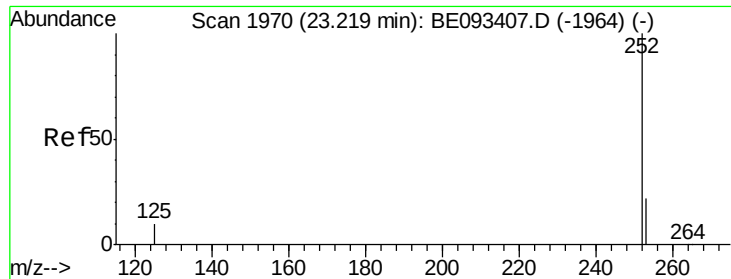
Tgt Ion: 264 Resp: 31418
 Ion Ratio Lower Upper
 264 100
 260 26.0 21.0 31.4
 265 31.6 24.6 36.8



#35
Benzo(b)fluoranthene
 Concen: 1.297 ng
 RT: 23.17 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: BE093421.D
 Acq: 3 Jul 2017 9:57

Tgt Ion: 252 Resp: 131617
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.5 27.7
 125 19.5 13.4 20.0





#36

Benzo(k)fluoranthene

Concen: 0.509 ng m

RT: 23.21 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

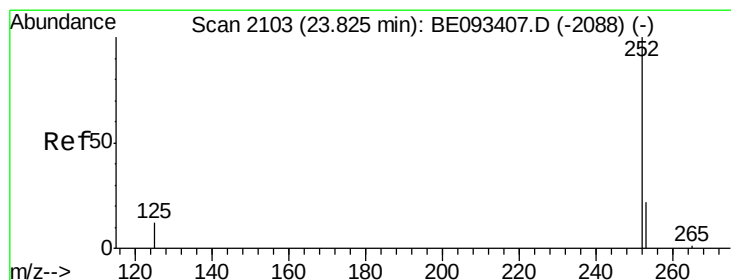
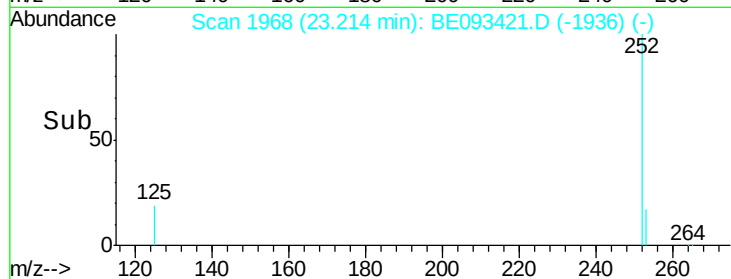
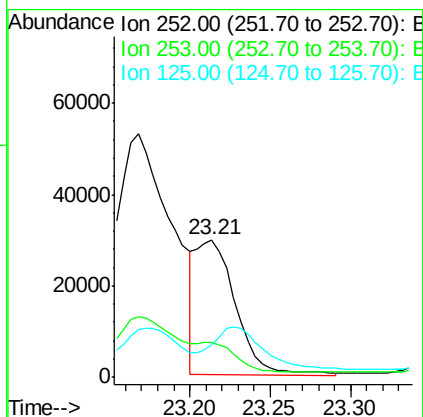
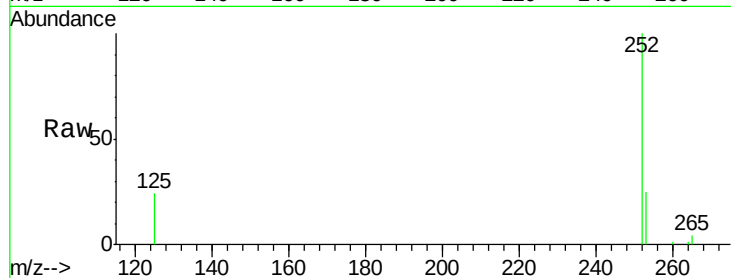
Tgt Ion:252 Resp: 51136

Ion Ratio Lower Upper

252 100

253 25.5 20.3 30.5

125 23.9 12.2 18.4#



#37

Benzo(a)pyrene

Concen: 1.069 ng

RT: 23.82 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

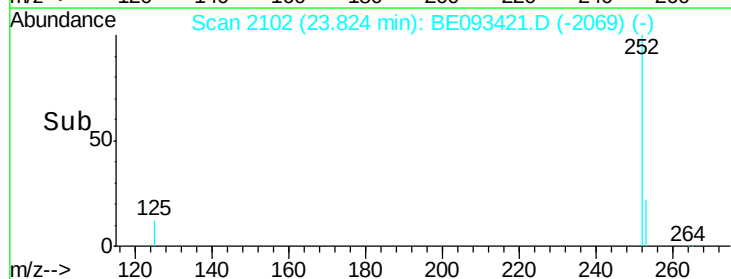
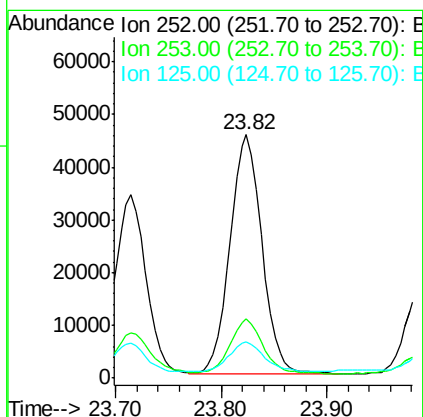
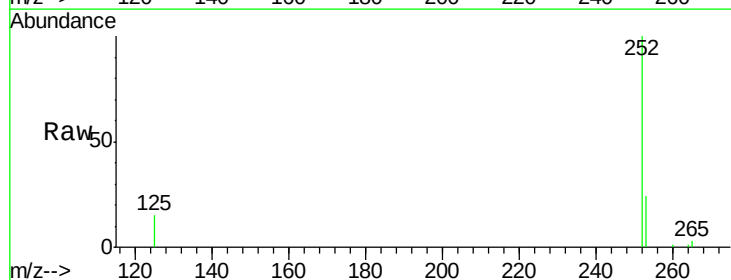
Tgt Ion:252 Resp: 94997

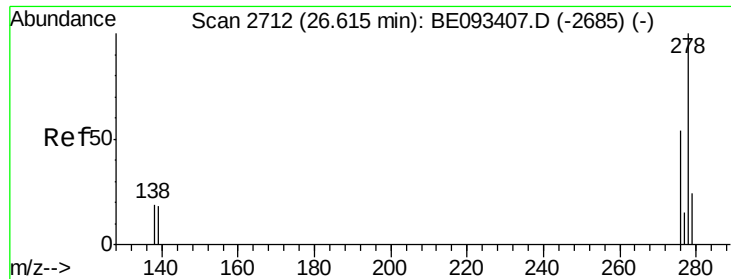
Ion Ratio Lower Upper

252 100

253 24.2 19.9 29.9

125 14.8 14.6 21.8





#38

Dibenzo(a,h)anthracene

Concen: 0.194 ng

RT: 26.60 min Scan# 2708

Delta R.T. -0.01 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

Instrument :

BNA_E

ClientSampleId :

NC-TS-001

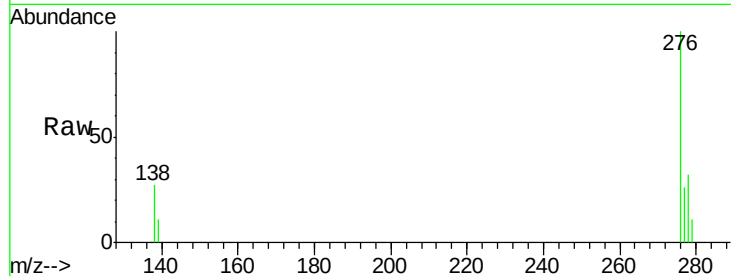
Tgt Ion: 278 Resp: 16770

Ion Ratio Lower Upper

278 100

139 34.0 21.4 32.0#

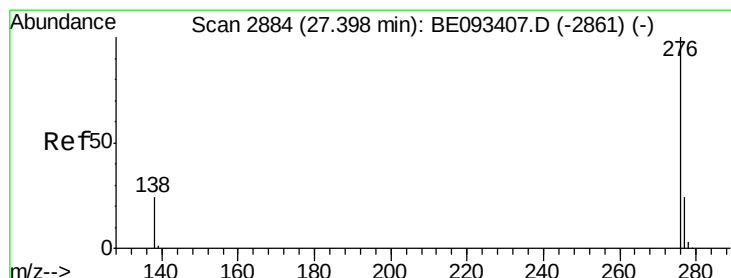
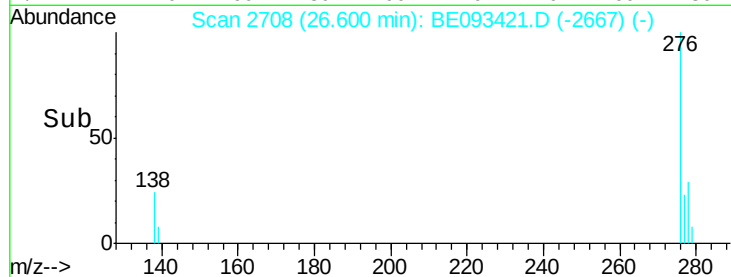
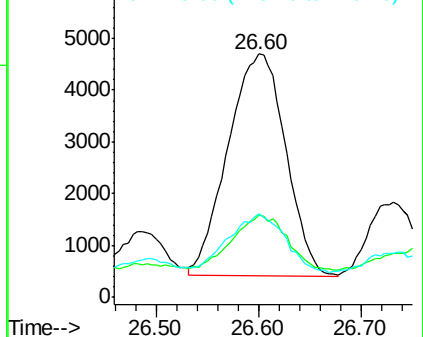
279 34.2 22.2 33.2#



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



#39

Benzo(g,h,i)perylene

Concen: 0.747 ng

RT: 27.40 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BE093421.D

Acq: 3 Jul 2017 9:57

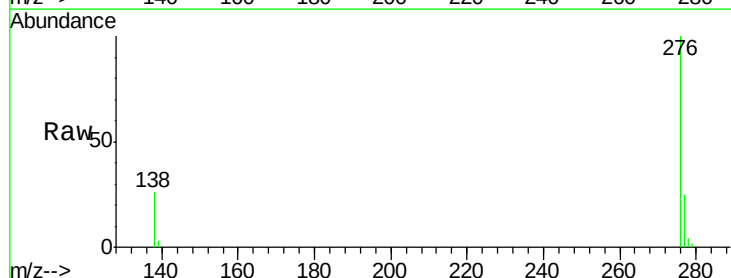
Tgt Ion: 276 Resp: 65094

Ion Ratio Lower Upper

276 100

277 24.8 21.2 31.8

138 25.9 24.5 36.7



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

