

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094129.D
 Acq On : 26 Sep 2017 15:26
 Operator : SJ/JU
 Sample : PB102616BSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102616BSD

Quant Time: Sep 26 19:21:16 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1630	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7340	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4041	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	15315	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15153	0.40	ng	0.00
34) Perylene-d12	23.91	264	14378	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1598	0.26	ng	0.00
5) Phenol-d6	7.09	99	2119	0.25	ng	0.00
8) Nitrobenzene-d5	9.06	82	1819	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3270	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	464	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	4108	0.31	ng	0.00
25) Fluoranthene-d10	19.27	212	46086	0.31	ng	0.00
29) Terphenyl-d14	19.85	244	7937	0.29	ng	0.00

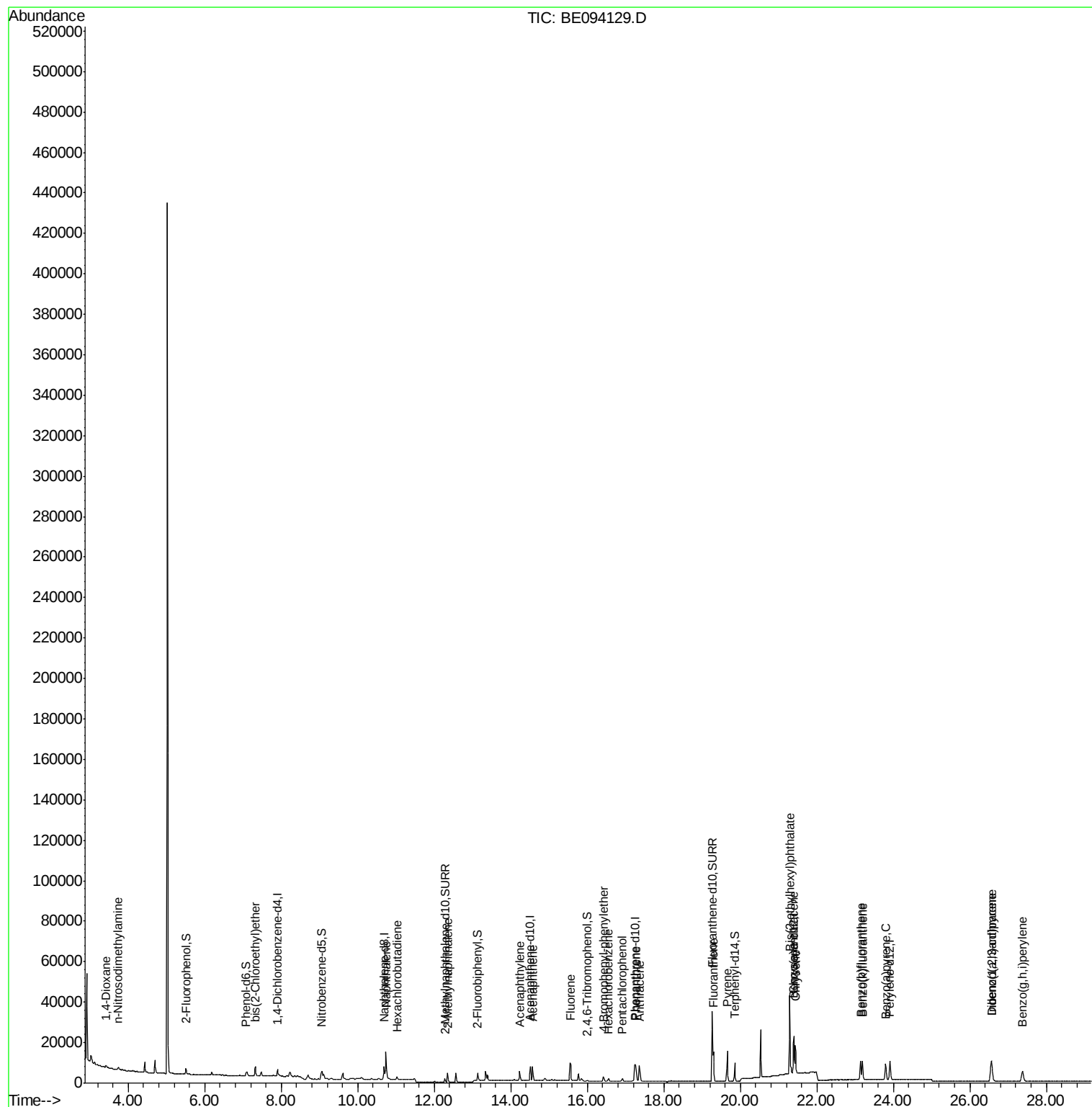
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	734	0.231	ng	# 1
3) n-Nitrosodimethylamine	3.73	42	1198	0.295	ng	# 80
6) bis(2-Chloroethyl)ether	7.33	93	1641	0.247	ng	# 84
9) Naphthalene	10.74	128	22355	0.270	ng	# 100
10) Hexachlorobutadiene	11.02	225	855	0.275	ng	# 96
12) 2-Methylnaphthalene	12.35	142	3710	0.276	ng	# 99
16) Acenaphthylene	14.23	152	5563	0.275	ng	# 100
17) Acenaphthene	14.57	154	3642	0.288	ng	# 96
18) Fluorene	15.56	166	4771	0.278	ng	# 97
20) 4-Bromophenyl-phenylether	16.42	248	1750	0.279	ng	# 92
21) Hexachlorobenzene	16.55	284	1260	0.318	ng	# 88
22) Pentachlorophenol	16.91	266	1443	0.397	ng	# 73
23) Phenanthrene	17.27	178	11994	0.306	ng	# 99
24) Anthracene	17.37	178	11755	0.286	ng	# 98
26) Fluoranthene	19.30	202	12888	0.294	ng	# 100
28) Pyrene	19.66	202	13514	0.281	ng	# 99
30) Benzo(a)anthracene	21.38	228	14225	0.279	ng	# 98
31) Chrysene	21.44	228	13489	0.274	ng	# 98
32) Bis(2-ethylhexyl)phthalate	21.29	149	42132	0.073	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.56	276	13998	0.266	ng	# 99
35) Benzo(b)fluoranthene	23.14	252	13333	0.257	ng	# 95
36) Benzo(k)fluoranthene	23.19	252	13386	0.269	ng	# 95
37) Benzo(a)pyrene	23.80	252	12991	0.277	ng	# 93
38) Dibenzo(a,h)anthracene	26.57	278	11724	0.264	ng	# 96
39) Benzo(g,h,i)perylene	27.38	276	11788	0.268	ng	# 100

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

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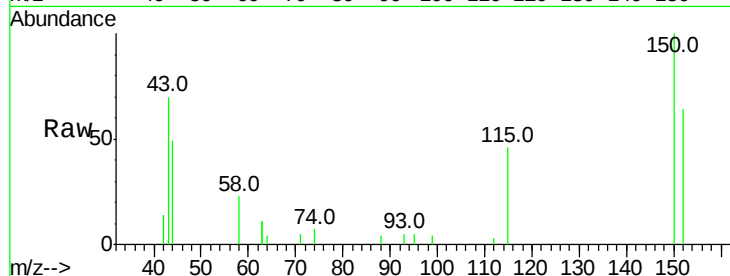


#1

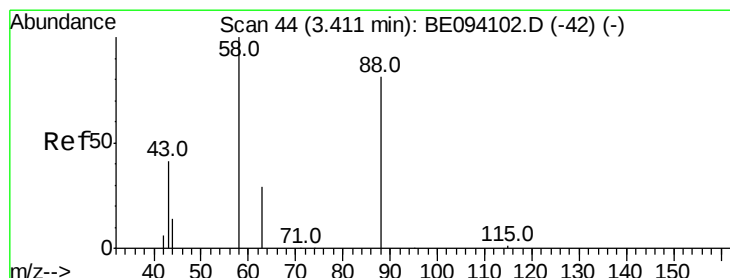
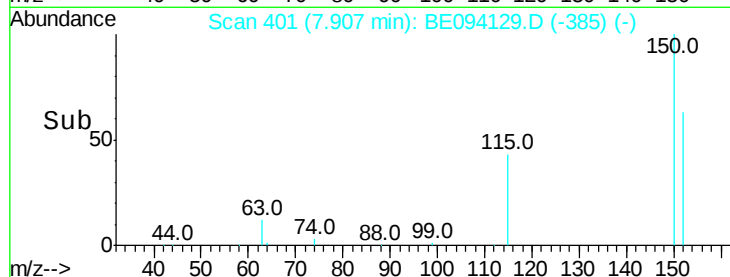
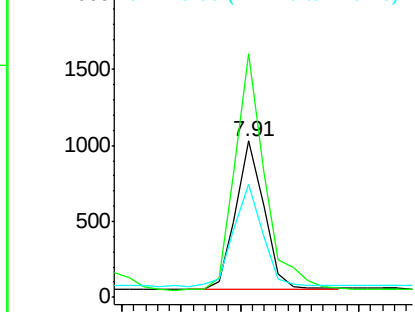
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tot Ion:152 Resp: 1630
Ion Ratio Lower Upper
152 100
150 155.9 117.2 175.8
115 72.0 57.0 85.6



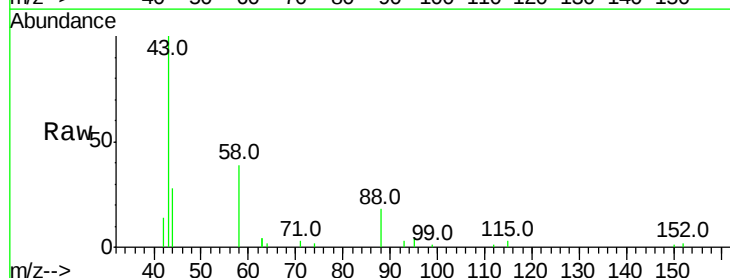
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



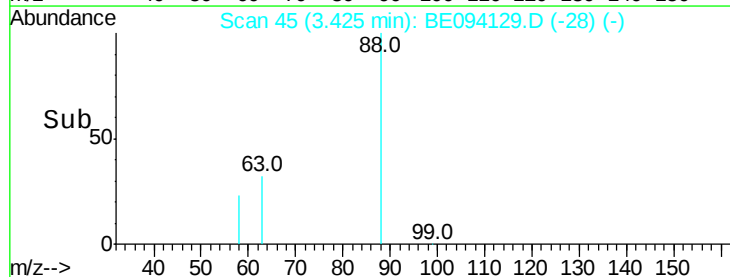
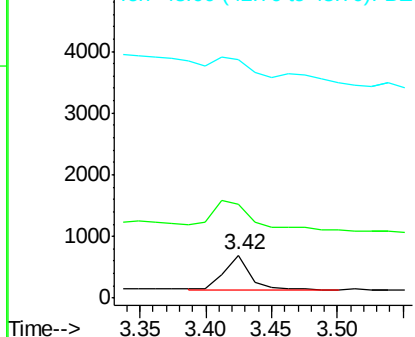
#2

1,4-Dioxane
Concen: 0.231 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion: 88 Resp: 734
Ion Ratio Lower Upper
88 100
58 192.9 63.2 94.8#
43 0.0 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



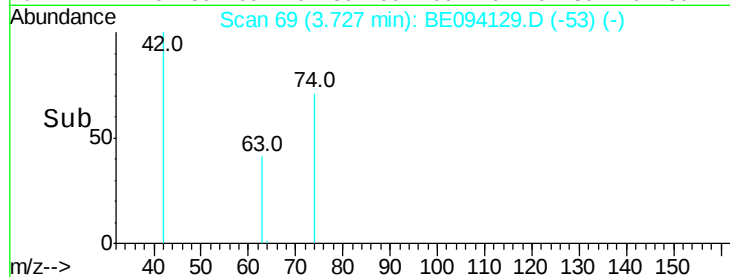
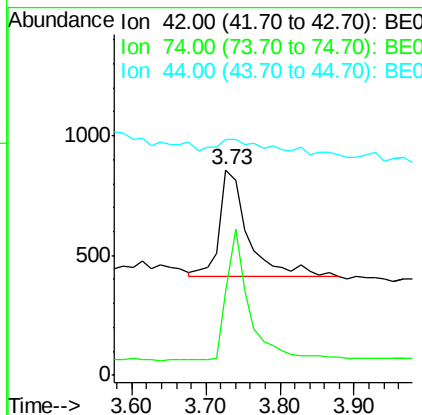
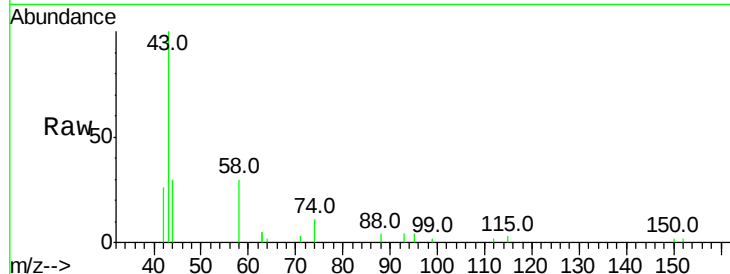


#3

n-Nitrosodimethylamine
 Concen: 0.295 ng
 RT: 3.73 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

Instrument :
 BNA_E
 ClientSampleId :
 PB102616BSD

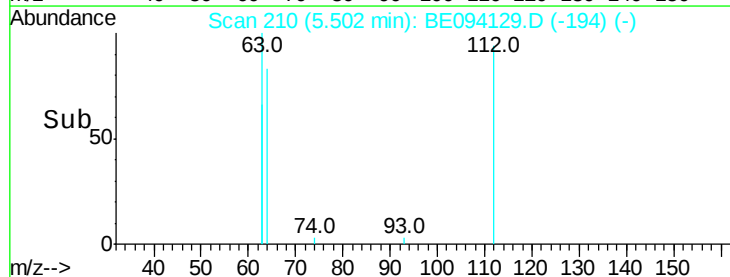
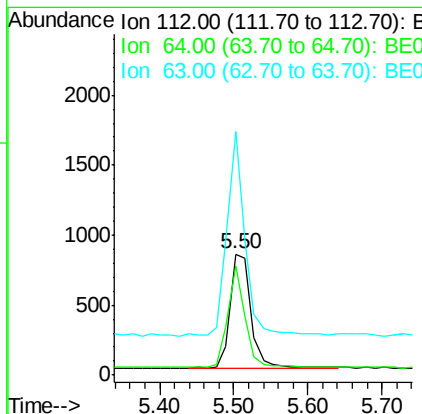
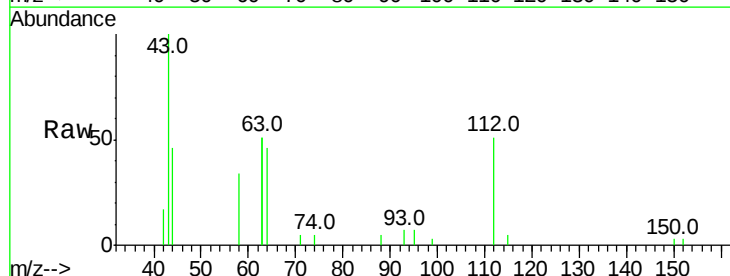
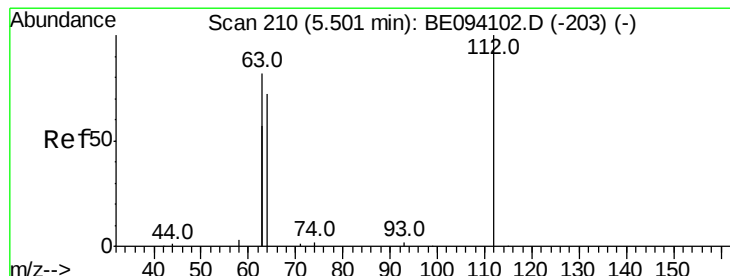
Tot Ion: 42 Resp: 1198
 Ion Ratio Lower Upper
 42 100
 74 99.6 100.3 150.5#
 44 24.5 17.0 25.4

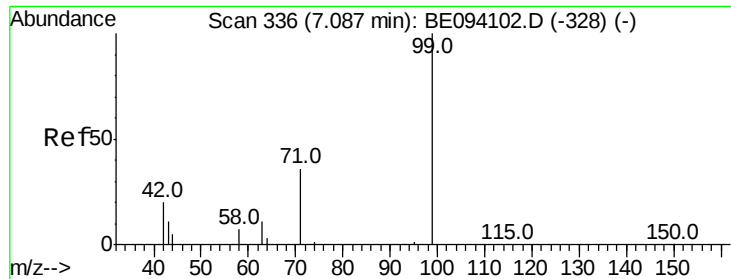


#4

2-Fluorophenol
 Concen: 0.259 ng
 RT: 5.50 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

Tgt Ion: 112 Resp: 1598
 Ion Ratio Lower Upper
 112 100
 64 72.0 60.1 90.1
 63 158.8 116.8 175.2





#5

Phenol-d6

Concen: 0.247 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

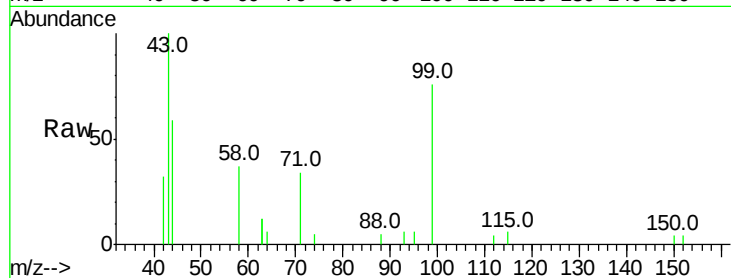
Tot Ion: 99 Resp: 2119

Ion Ratio Lower Upper

99 100

42 26.0 20.2 30.2

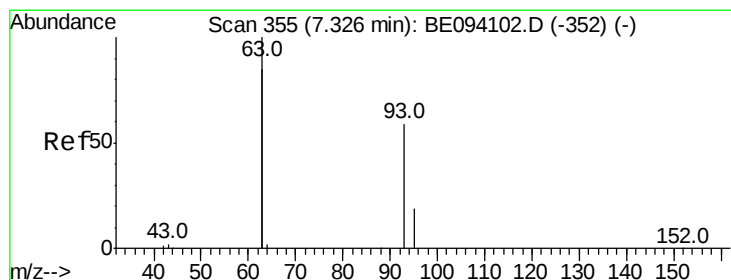
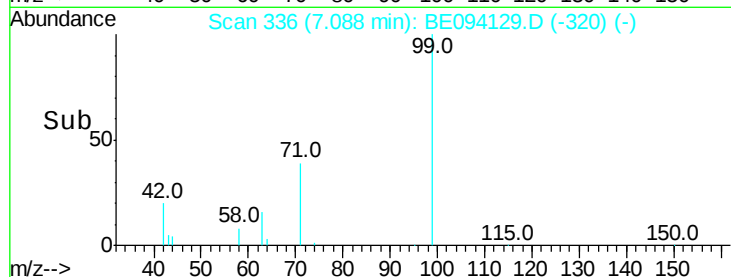
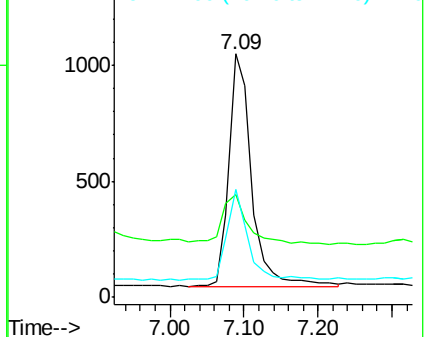
71 36.0 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.247 ng

RT: 7.33 min Scan# 355

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

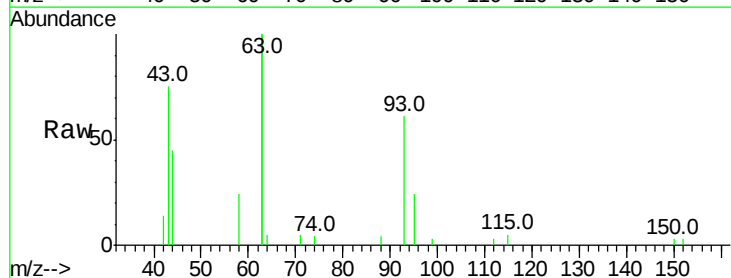
Tgt Ion: 93 Resp: 1641

Ion Ratio Lower Upper

93 100

63 380.3 275.3 412.9

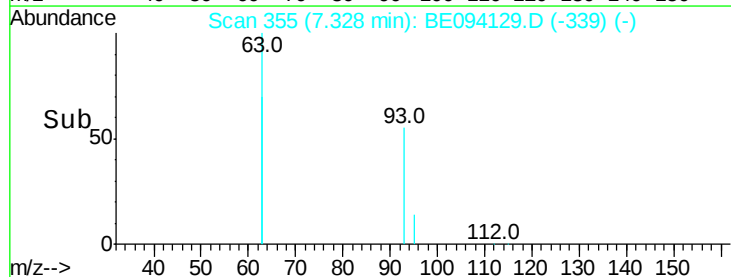
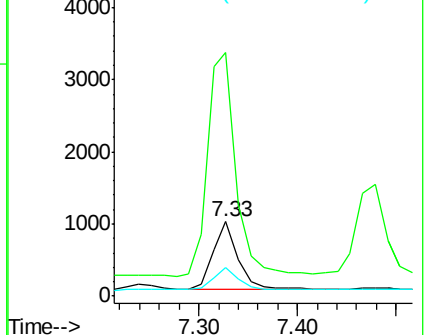
95 34.1 25.2 37.8

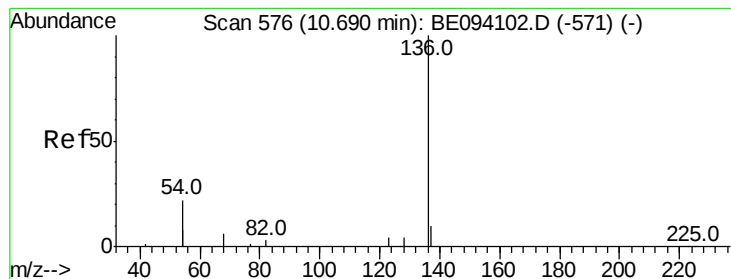


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

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ClientSampleId :

PB102616BSD

Tot Ion:136 Resp: 7340

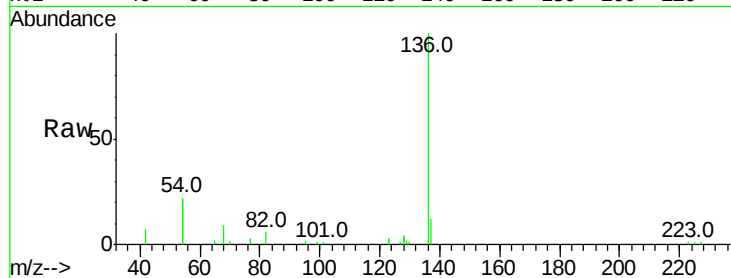
Ion Ratio Lower Upper

136 100

137 11.6 9.5 14.3

54 43.9 29.1 43.7#

68 9.0 6.2 9.2

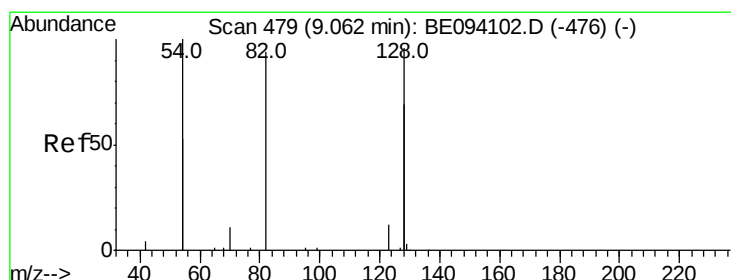
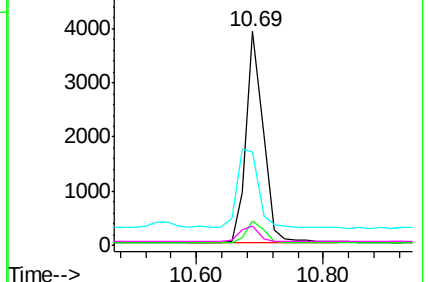
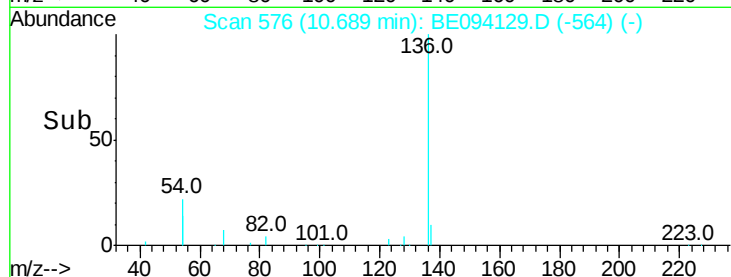


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.256 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

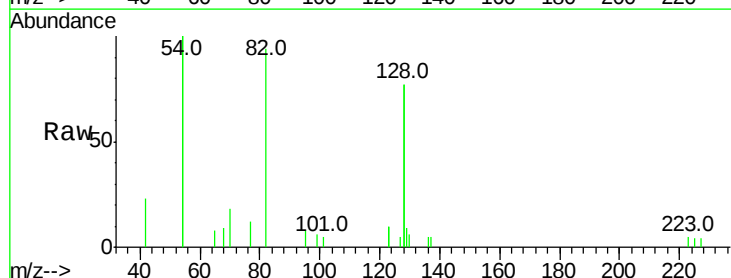
Tgt Ion: 82 Resp: 1819

Ion Ratio Lower Upper

82 100

128 163.0 150.0 225.0

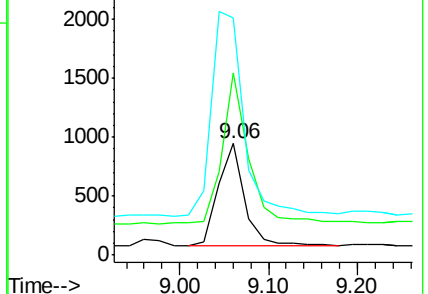
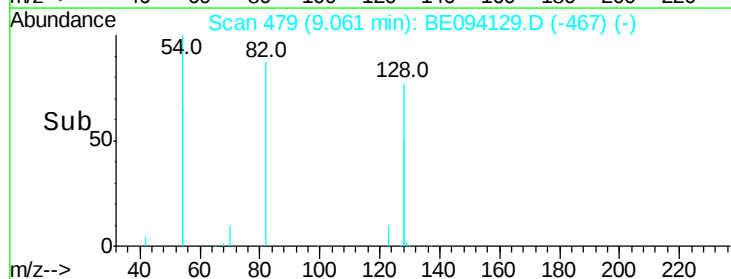
54 212.3 154.2 231.4

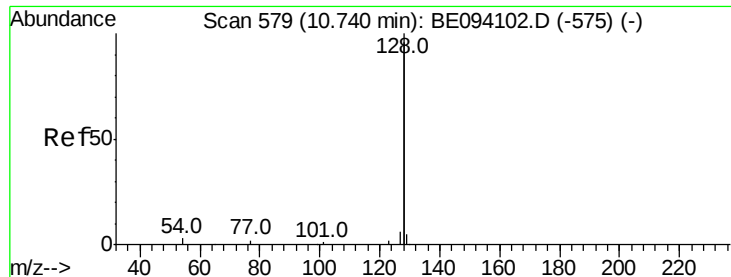


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.270 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094129.D

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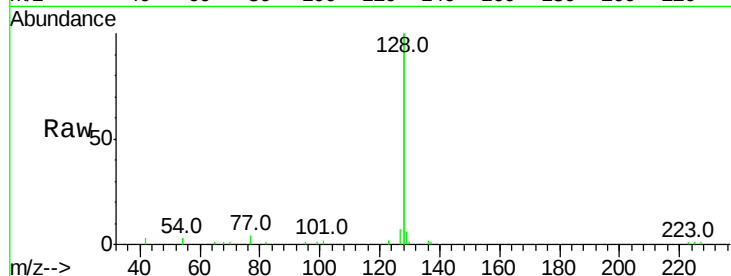
Tot Ion:128 Resp: 22355

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

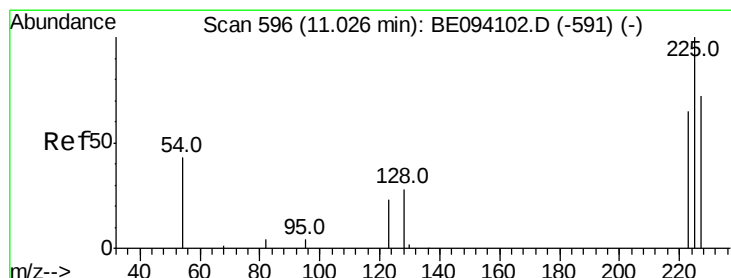
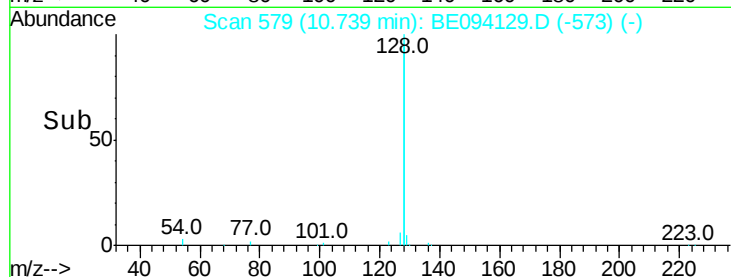
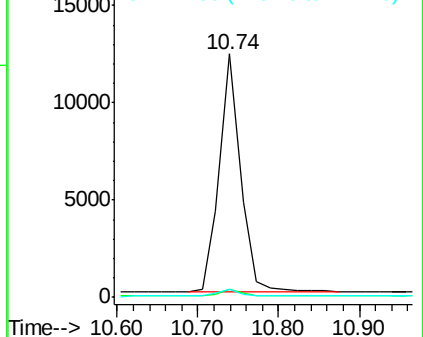
127 3.5 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.275 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

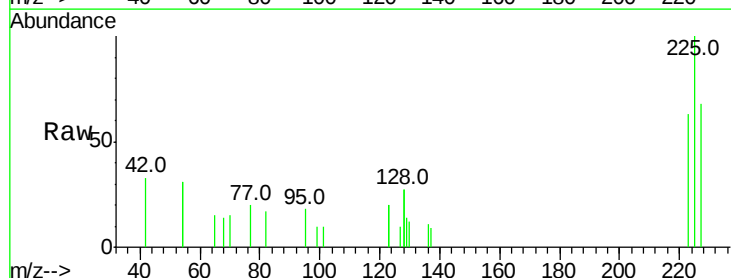
Tgt Ion:225 Resp: 855

Ion Ratio Lower Upper

225 100

223 61.5 53.0 79.6

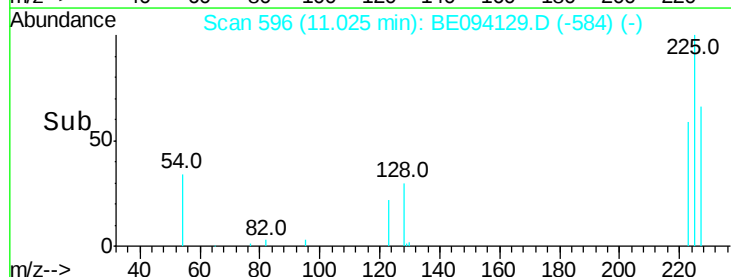
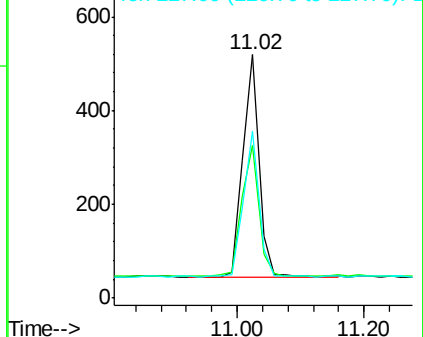
227 62.8 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.289 ng

RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

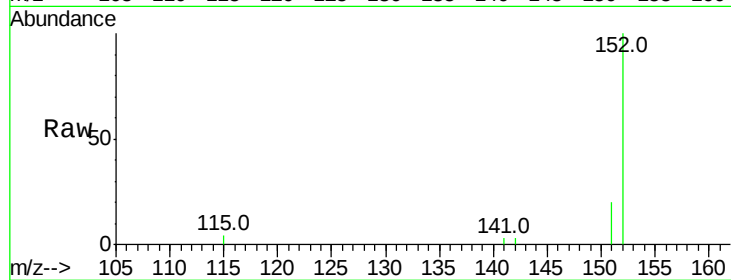
PB102616BSD

Tot Ion:152 Resp: 3270

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2000

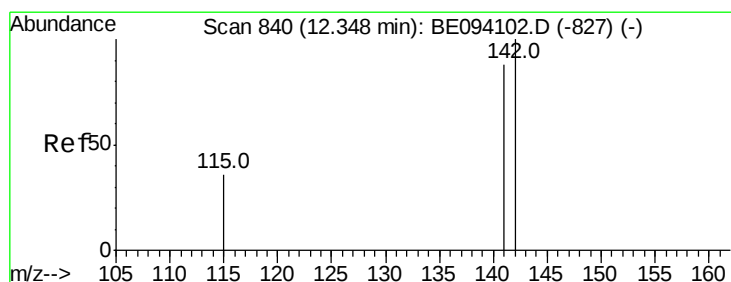
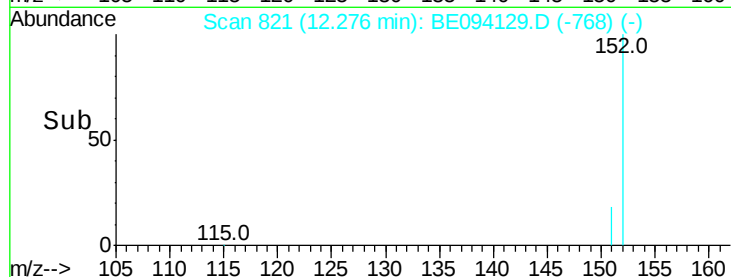
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.276 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

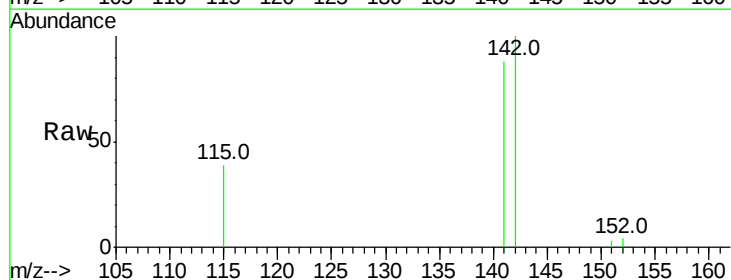
Tgt Ion:142 Resp: 3710

Ion Ratio Lower Upper

142 100

141 88.4 70.4 105.6

115 38.9 31.7 47.5



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

2500

2000

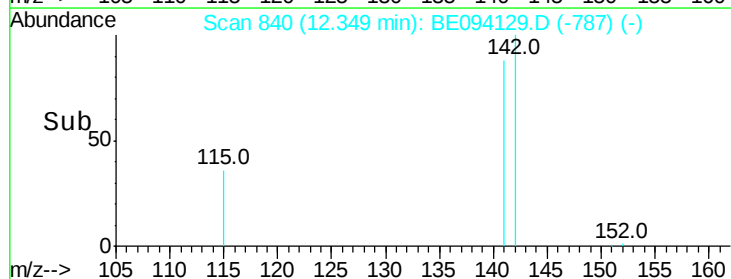
1500

1000

500

0

Time--> 12.30 12.40 12.50

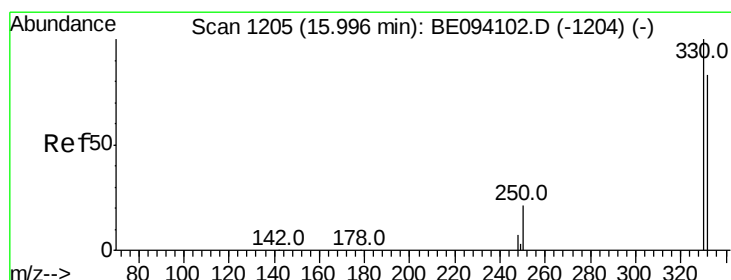
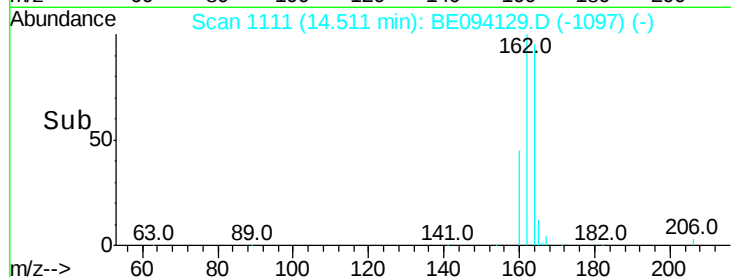
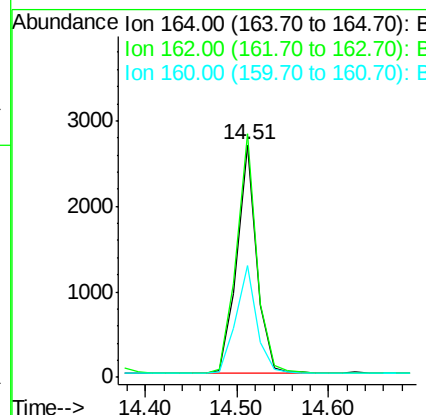
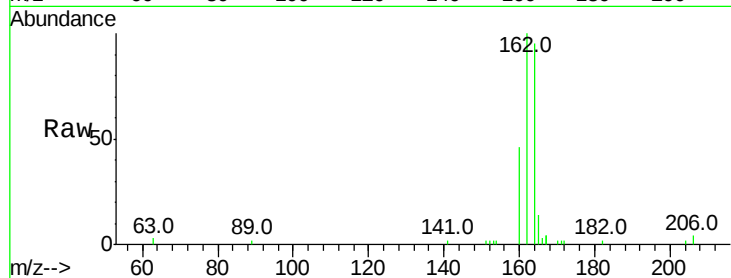




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

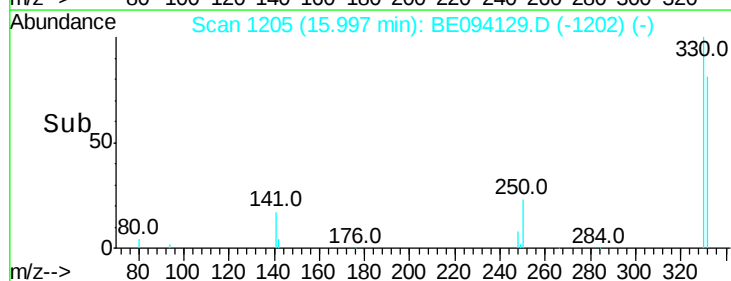
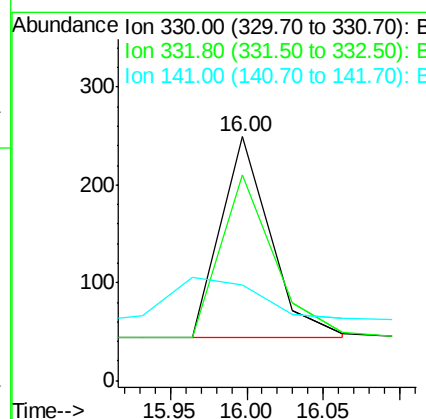
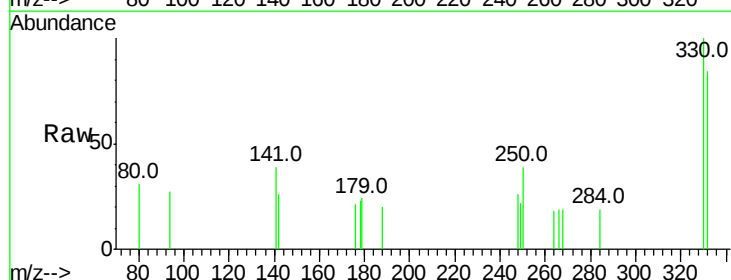
Instrument :
BNA_E
ClientSampleId :
PB102616BSD

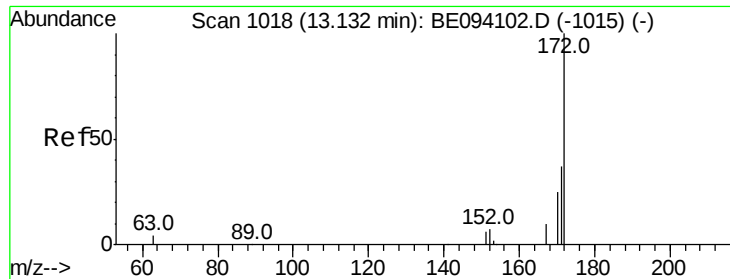
Tot Ion:164 Resp: 4041
Ion Ratio Lower Upper
164 100
162 104.8 83.1 124.7
160 48.2 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:330 Resp: 464
Ion Ratio Lower Upper
330 100
332 86.9 152.7 229.1#
141 0.0 33.7 50.5#

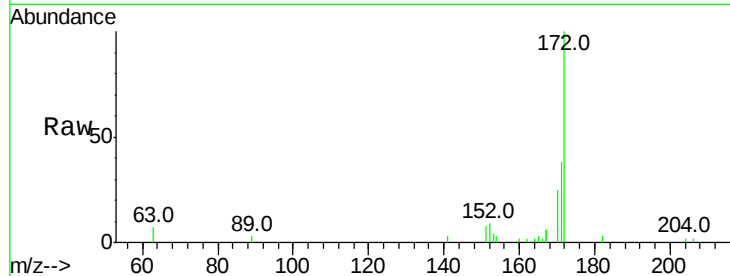




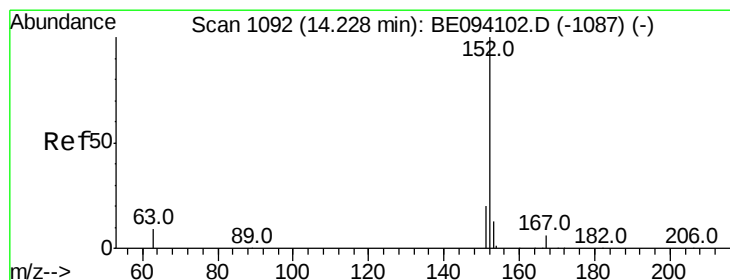
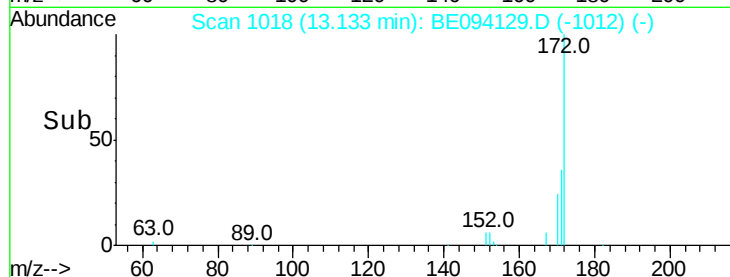
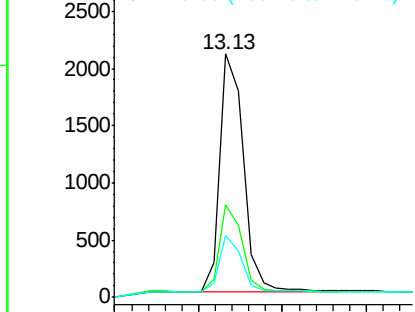
#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tot Ion:172 Resp: 4108
Ion Ratio Lower Upper
172 100
171 38.1 29.9 44.9
170 25.4 21.8 32.8

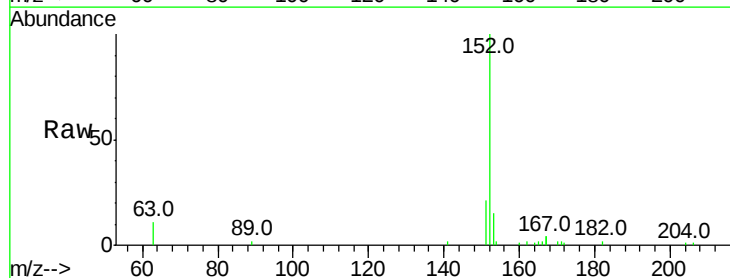


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

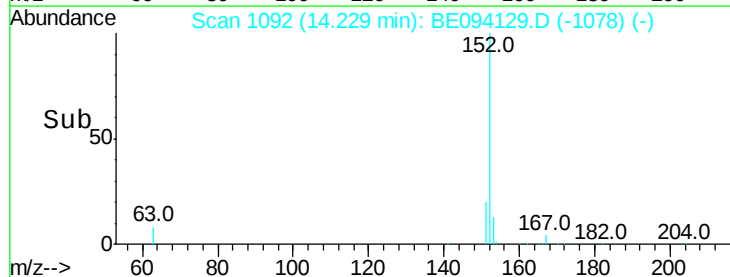
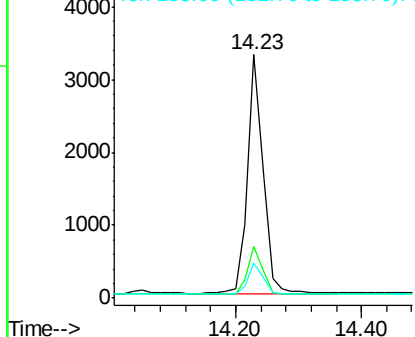


#16
Acenaphthylene
Concen: 0.275 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:152 Resp: 5563
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.2 10.5 15.7



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





#17

Acenaphthene

Concen: 0.288 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

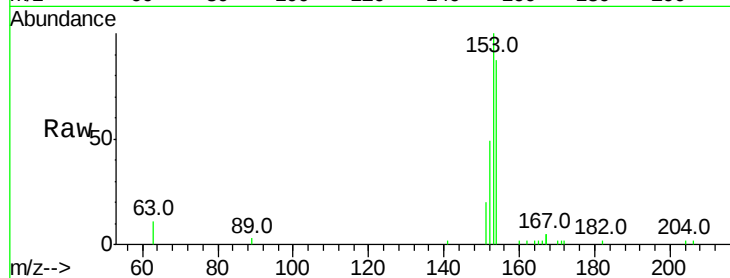
Tot Ion:154 Resp: 3642

Ion Ratio Lower Upper

154 100

153 115.9 89.2 133.8

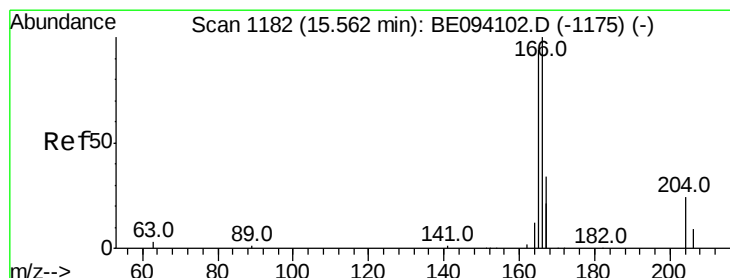
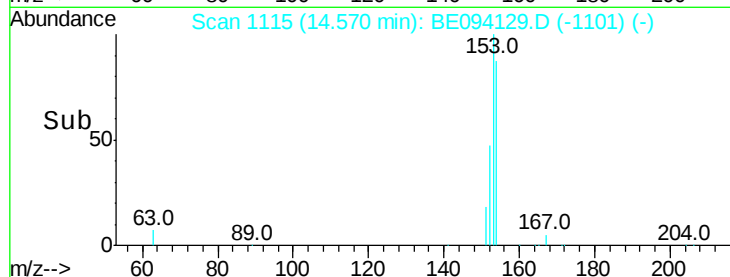
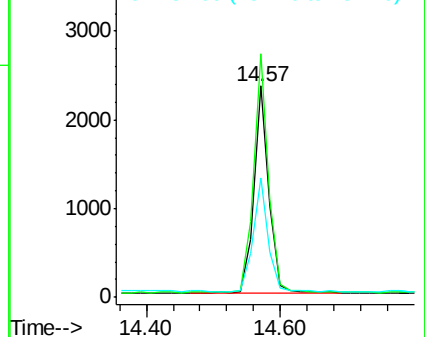
152 54.8 42.0 63.0



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



#18

Fluorene

Concen: 0.278 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

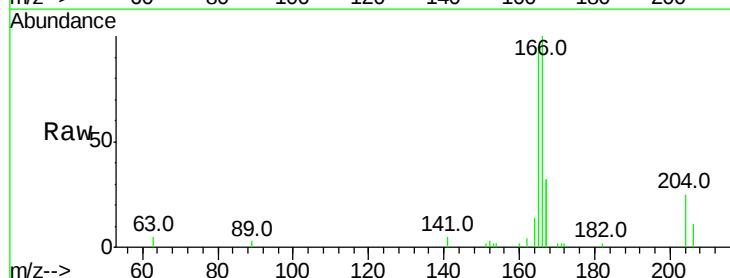
Tgt Ion:166 Resp: 4771

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.6

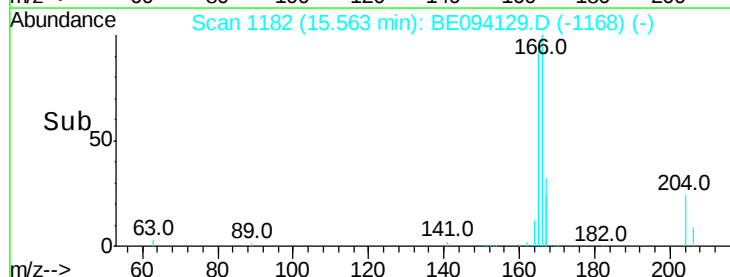
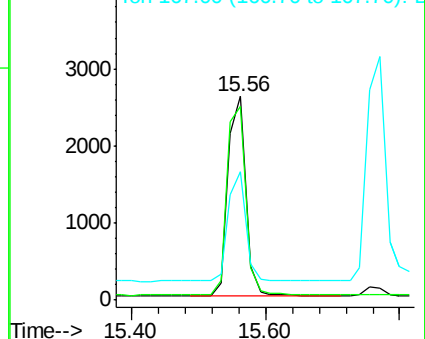
167 55.7 42.4 63.6

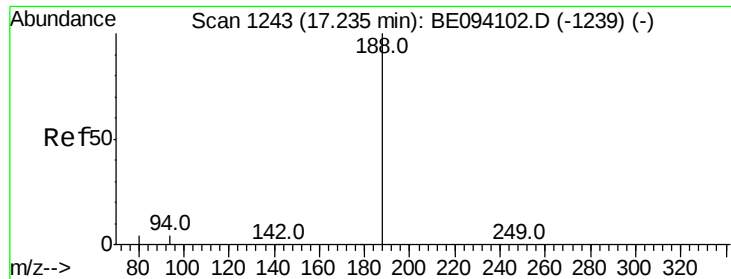


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

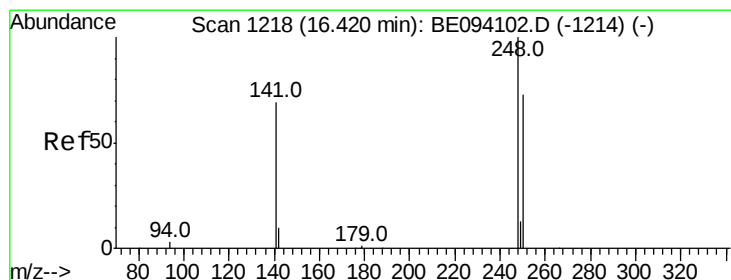
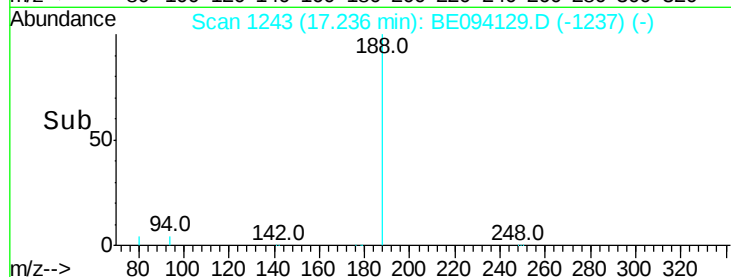
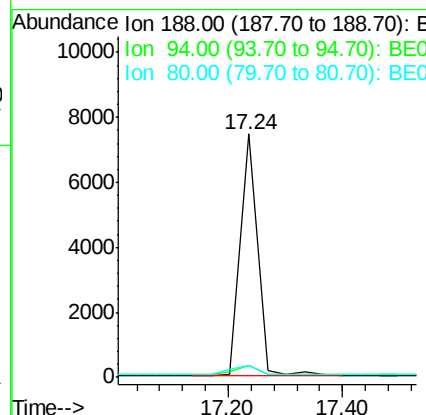
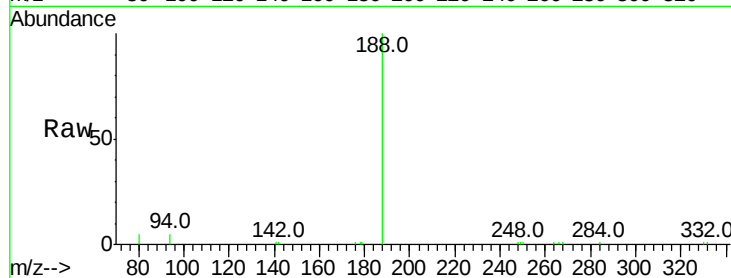




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

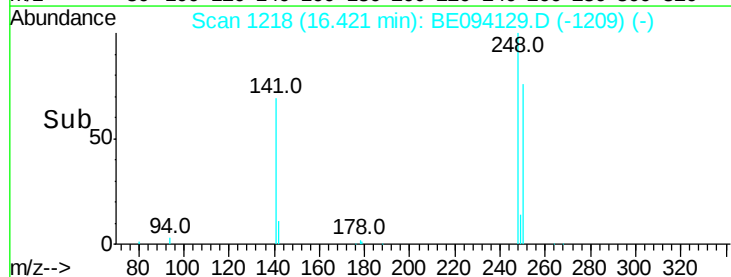
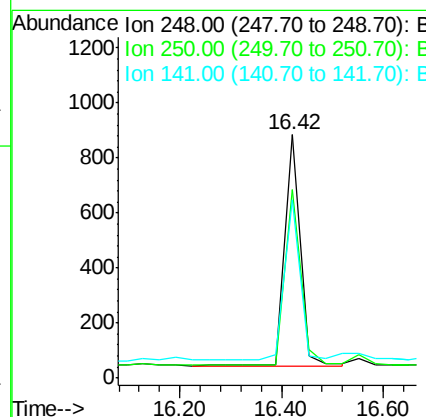
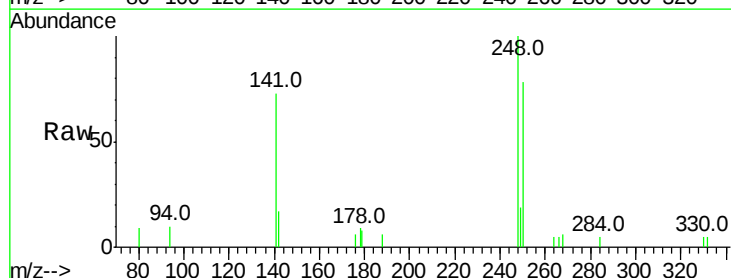
Instrument :
BNA_E
ClientSampleId :
PB102616BSD

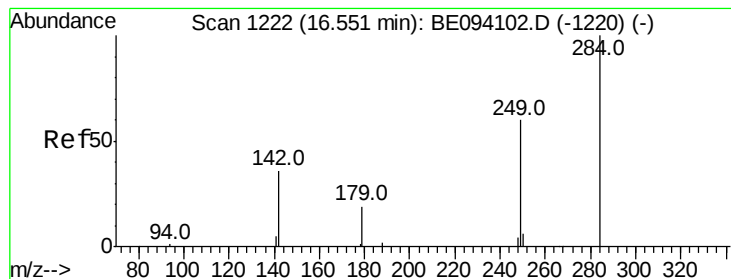
Tot Ion:188 Resp: 15315
Ion Ratio Lower Upper
188 100
94 5.2 3.9 5.9
80 4.9 3.6 5.4



#20
4-Bromophenyl-phenylether
Concen: 0.279 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:248 Resp: 1750
Ion Ratio Lower Upper
248 100
250 77.6 62.7 94.1
141 73.1 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.318 ng

RT: 16.55 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

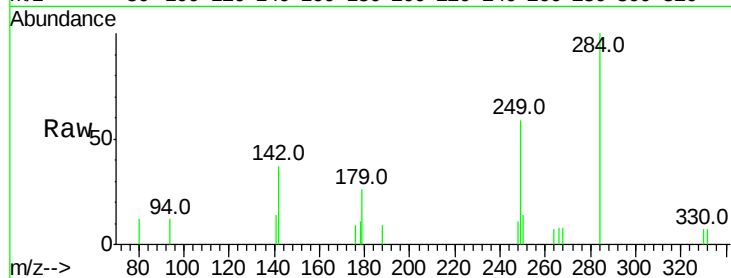
Tot Ion:284 Resp: 1260

Ion Ratio Lower Upper

284 100

142 33.5 22.1 33.1#

249 51.0 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.55

600

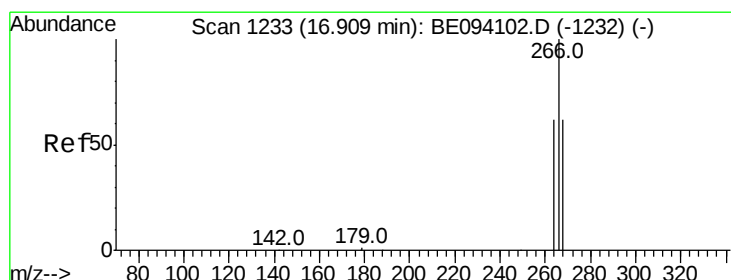
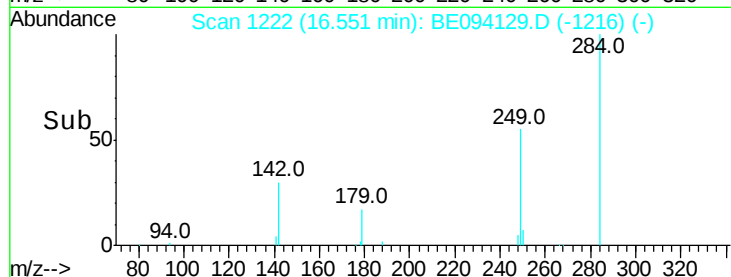
400

200

0

16.50 16.55 16.60

Time-->



#22

Pentachlorophenol

Concen: 0.397 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

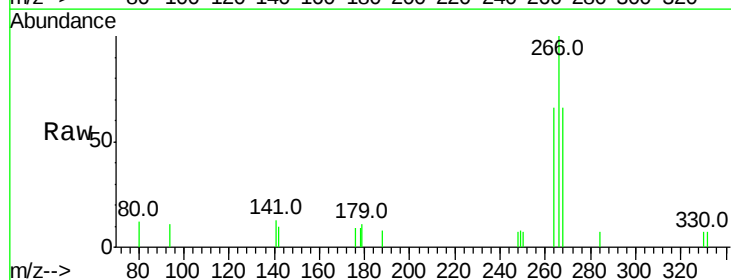
Tgt Ion:266 Resp: 1443

Ion Ratio Lower Upper

266 100

264 65.8 72.5 108.7#

268 65.9 73.8 110.6#



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

16.91

800

600

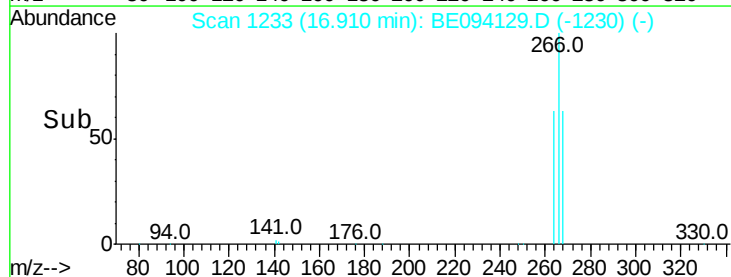
400

200

0

16.80 16.90 17.00 17.10

Time-->





#23

Phenanthrene

Concen: 0.306 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

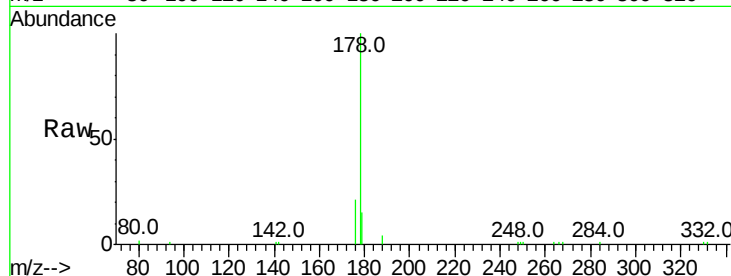
Tot Ion:178 Resp: 11994

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

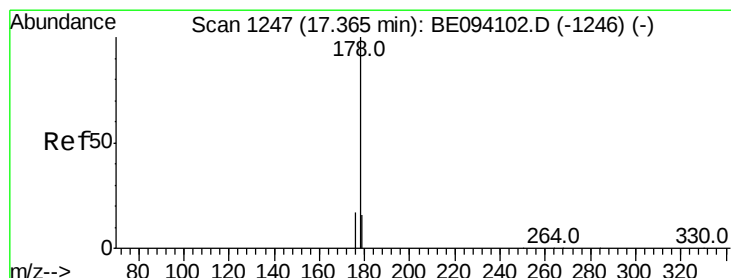
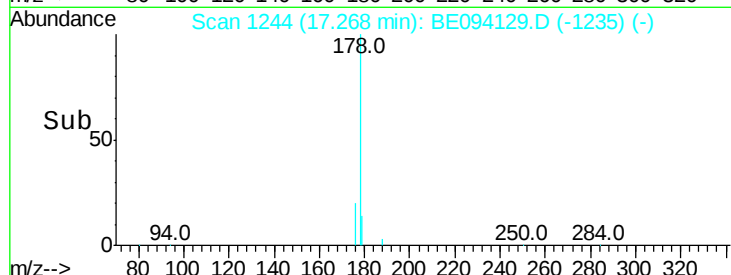
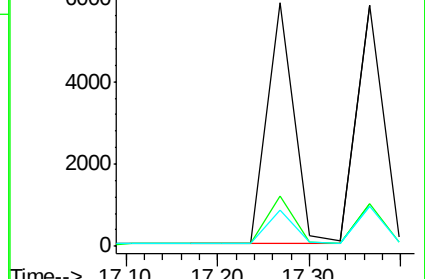
179 14.8 11.8 17.6



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



#24

Anthracene

Concen: 0.286 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

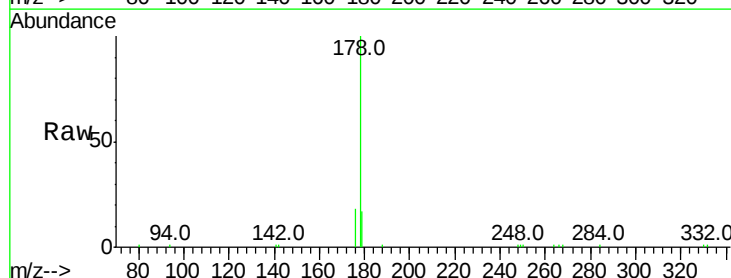
Tgt Ion:178 Resp: 11755

Ion Ratio Lower Upper

178 100

176 16.9 12.8 19.2

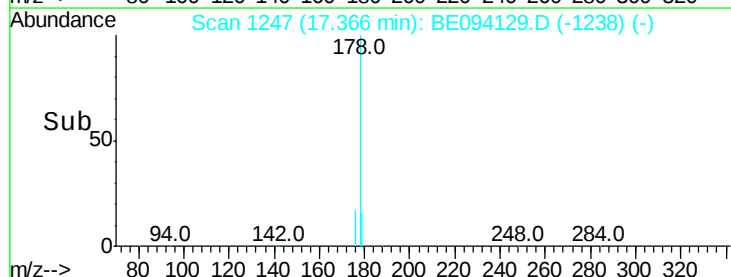
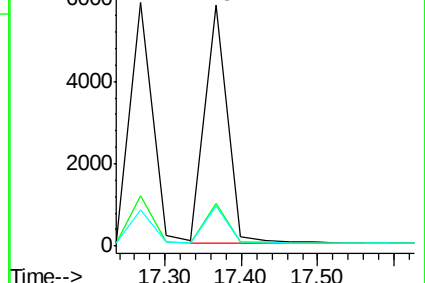
179 15.7 13.0 19.6



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

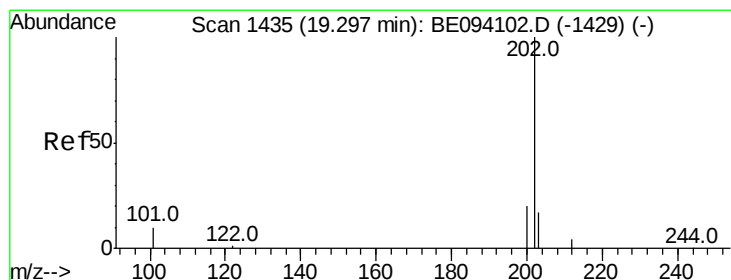
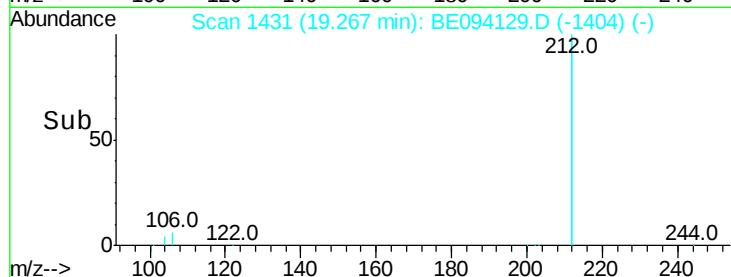
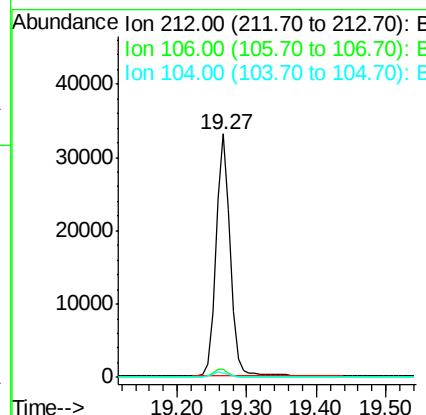
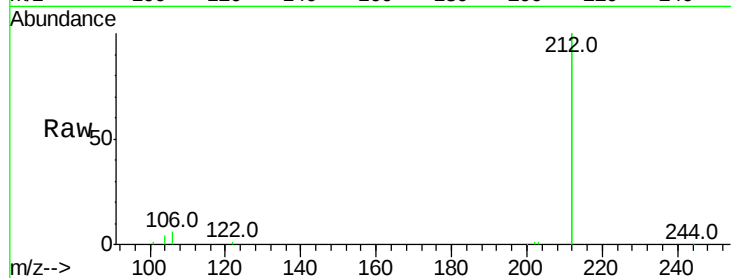




#25
 Fluoranthene-d10
 Concen: 0.311 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

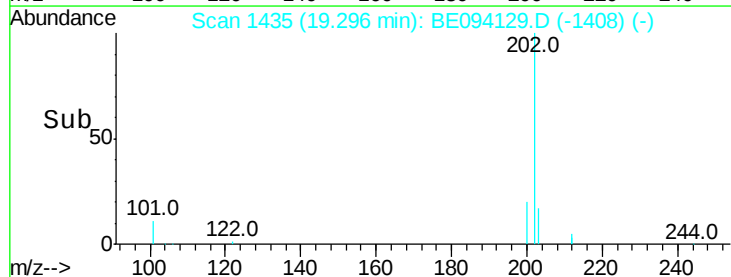
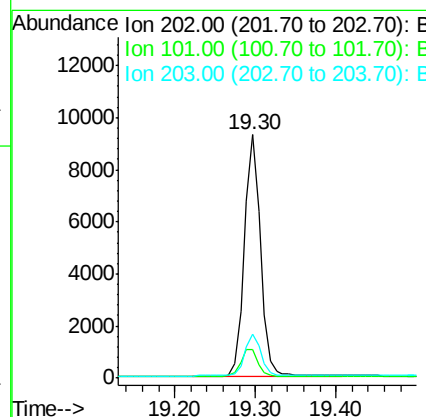
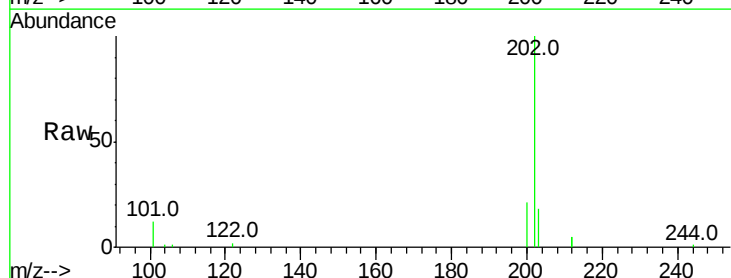
Instrument :
 BNA_E
 ClientSampleId :
 PB102616BSD

Tot Ion:212 Resp: 46086
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.8 4.2
 104 2.3 1.6 2.4



#26
 Fluoranthene
 Concen: 0.294 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

Tgt Ion:202 Resp: 12888
 Ion Ratio Lower Upper
 202 100
 101 12.0 9.8 14.8
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

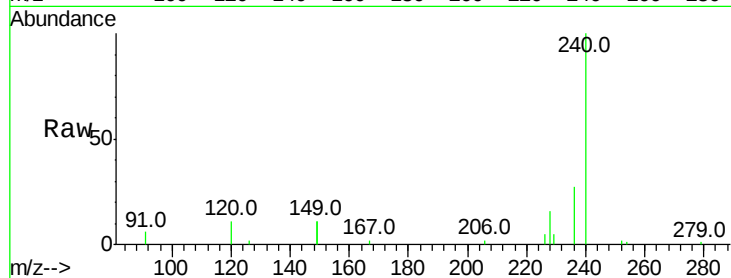
Tot Ion:240 Resp: 15153

Ion Ratio Lower Upper

240 100

120 10.8 5.5 8.3#

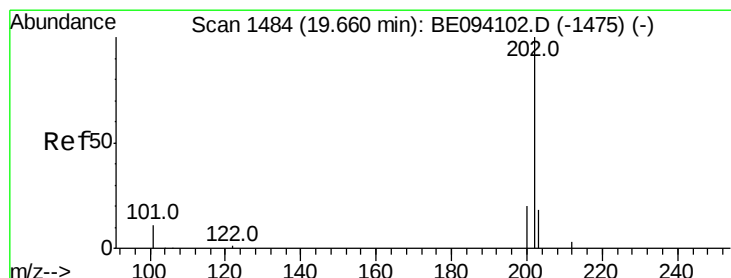
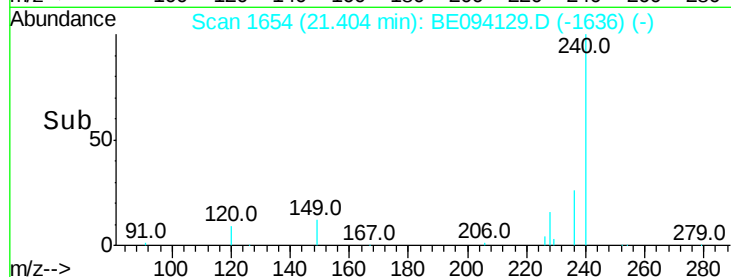
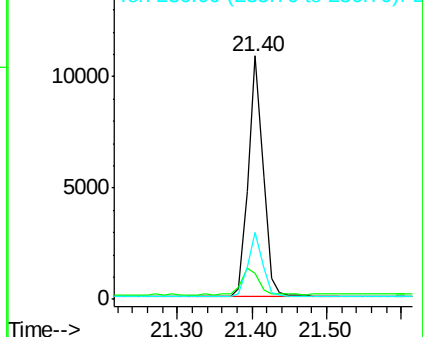
236 27.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.281 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

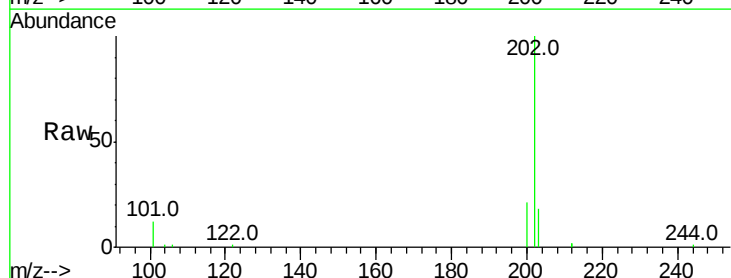
Tgt Ion:202 Resp: 13514

Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

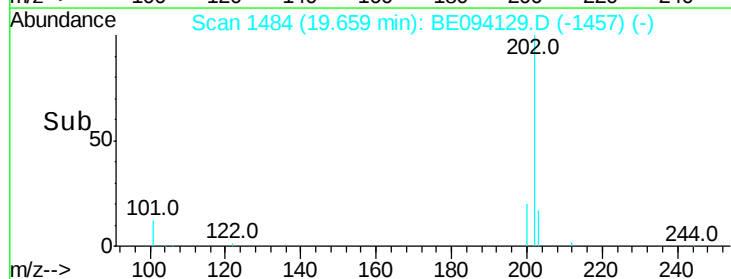
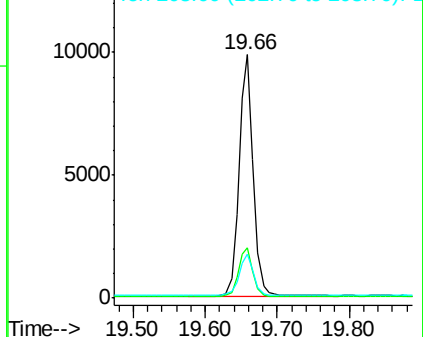
203 18.0 13.8 20.8

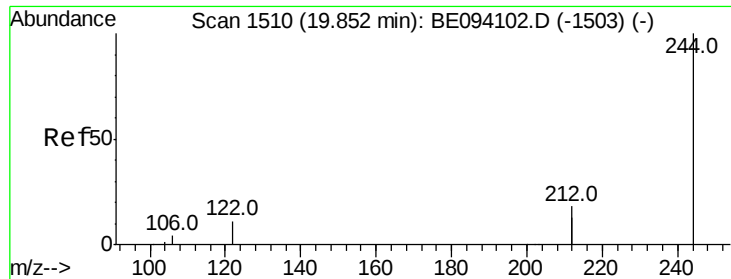


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.287 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

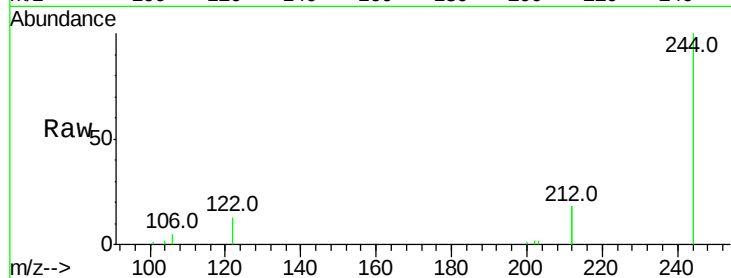
Tot Ion:244 Resp: 7937

Ion Ratio Lower Upper

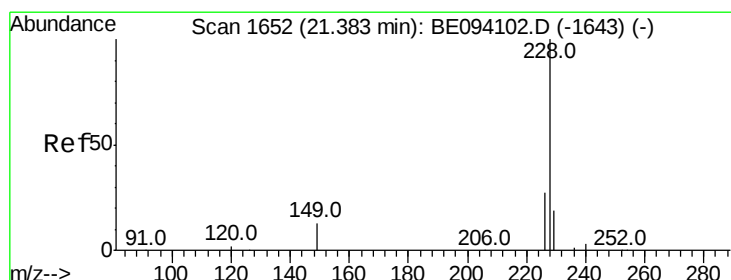
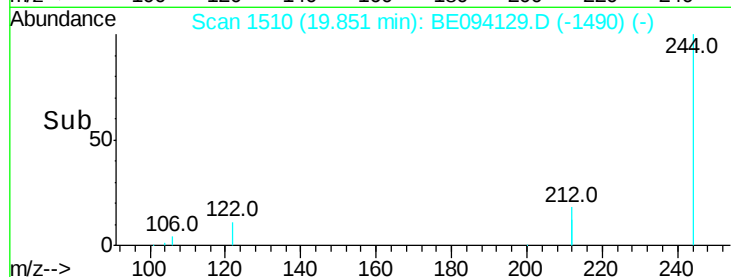
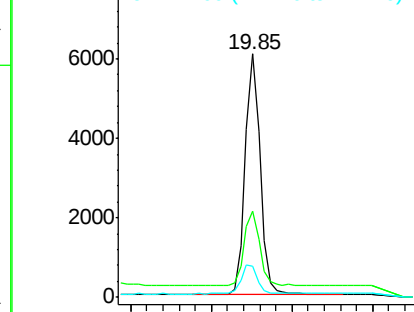
244 100

212 35.5 25.4 38.0

122 12.5 8.1 12.1#



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: 0.279 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

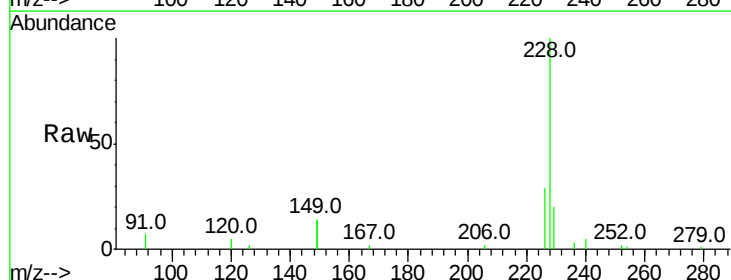
Tgt Ion:228 Resp: 14225

Ion Ratio Lower Upper

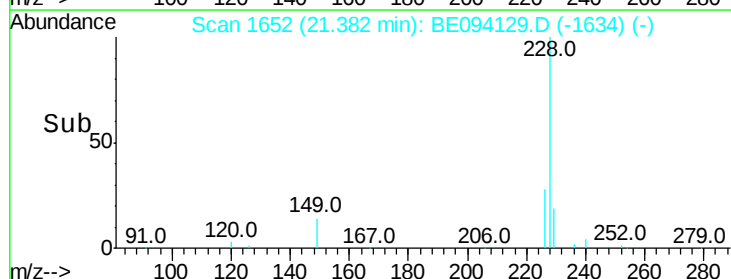
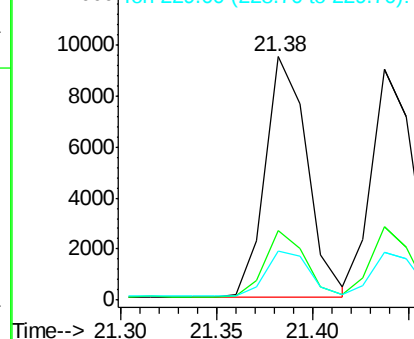
228 100

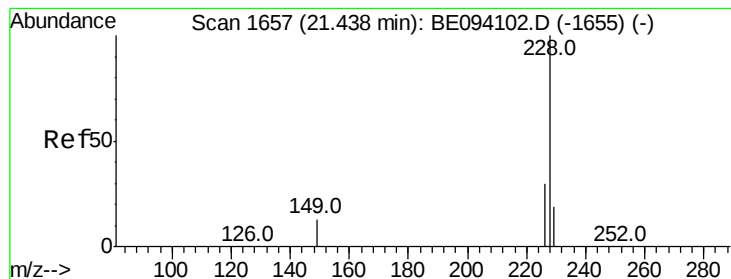
226 28.7 21.4 32.0

229 20.2 16.4 24.6



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





#31

Chrysene

Concen: 0.274 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

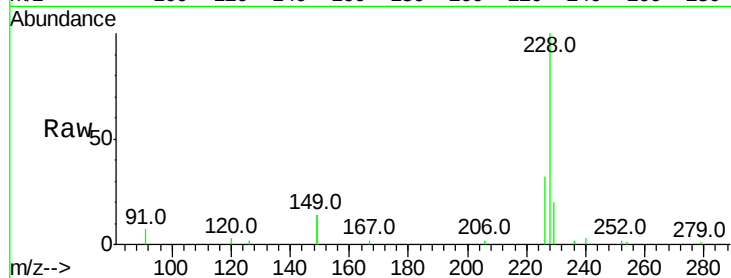
Tot Ion:228 Resp: 13489

Ion Ratio Lower Upper

228 100

226 31.5 23.6 35.4

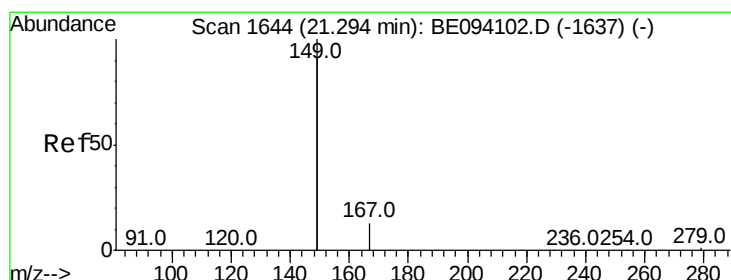
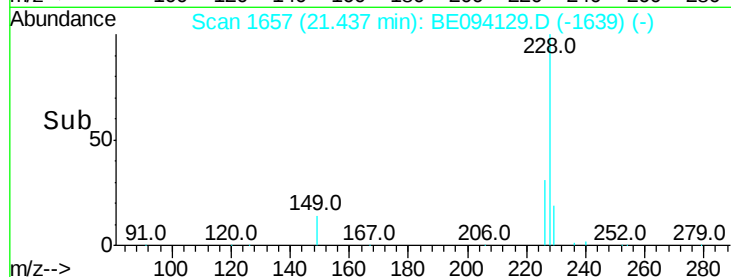
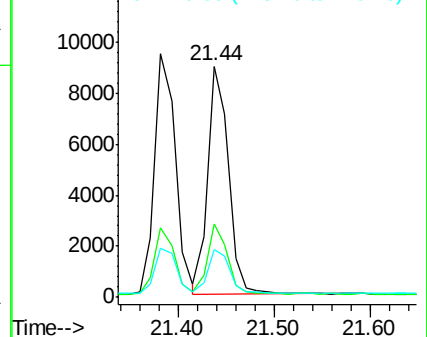
229 20.5 16.4 24.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.073 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

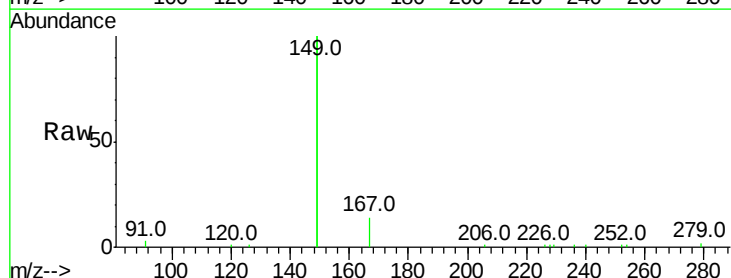
Tgt Ion:149 Resp: 42132

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

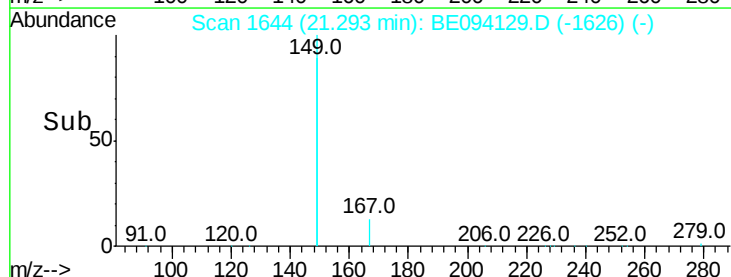
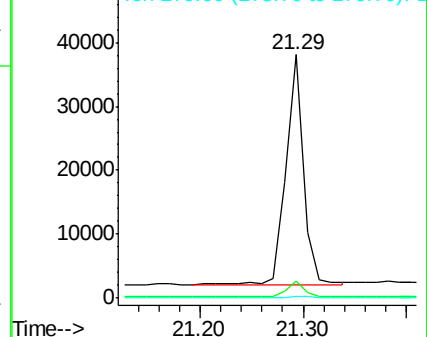
279 0.9 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

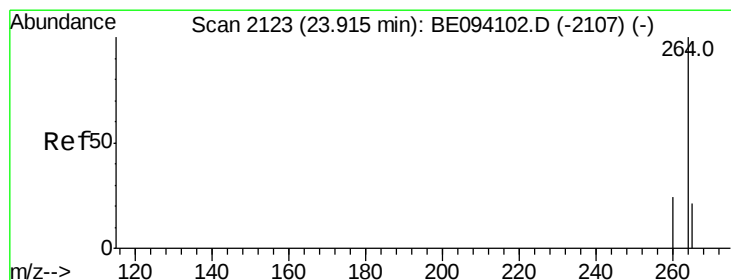
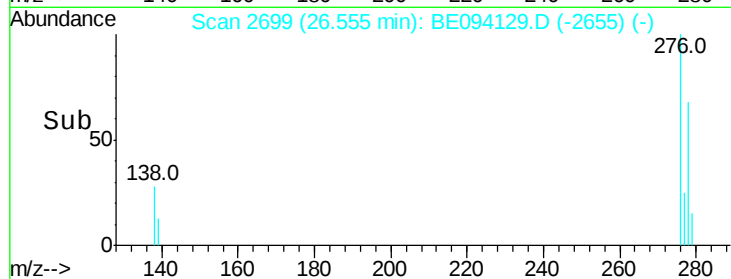
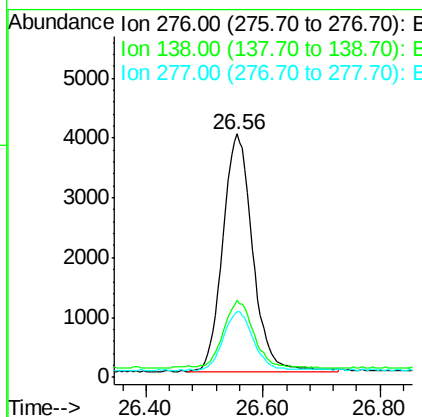
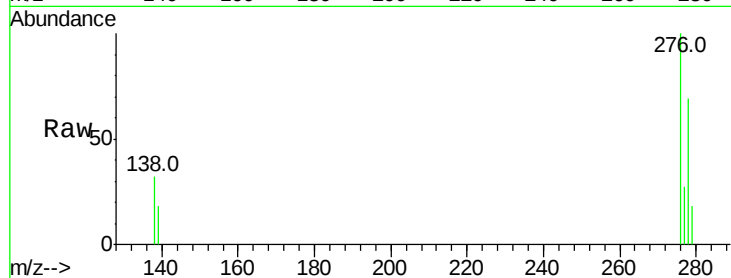




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.266 ng
 RT: 26.56 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

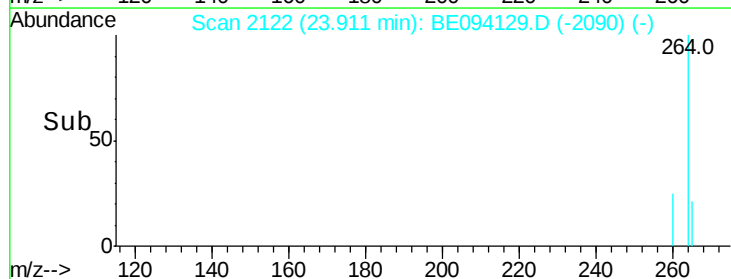
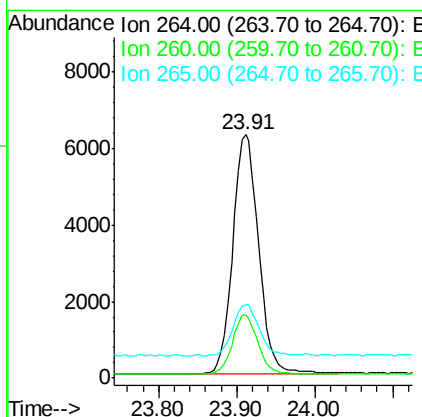
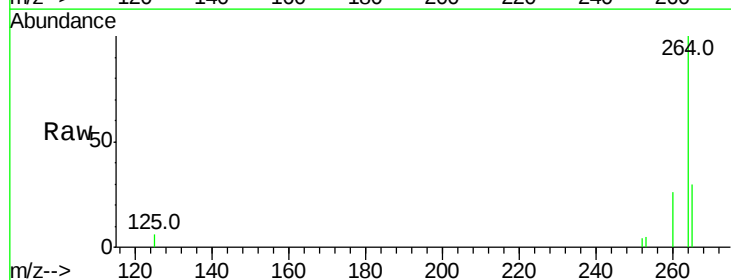
Instrument :
 BNA_E
 ClientSampleId :
 PB102616BSD

Tot Ion:276 Resp: 13998
 Ion Ratio Lower Upper
 276 100
 138 27.3 22.5 33.7
 277 25.4 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.00 min
 Lab File: BE094129.D
 Acq: 26 Sep 2017 15:26

Tgt Ion:264 Resp: 14378
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 30.3 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.257 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

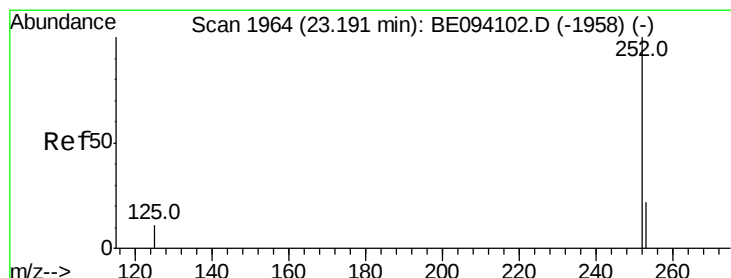
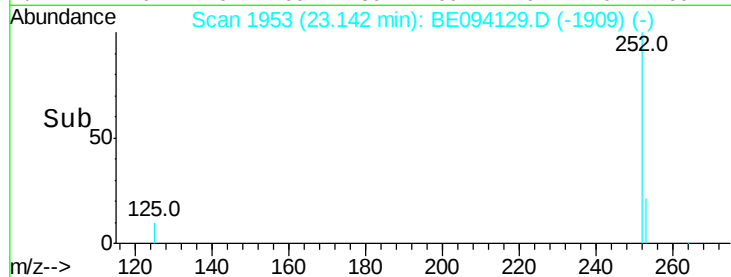
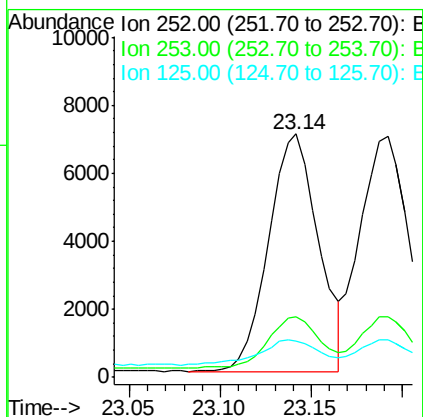
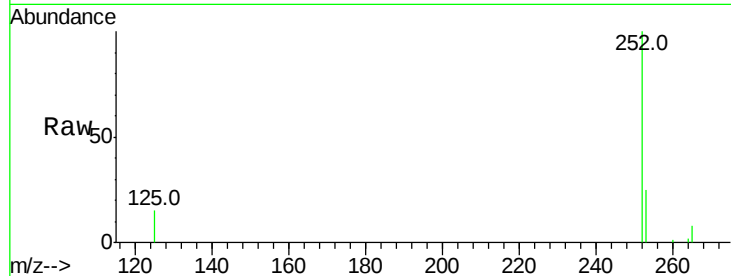
Tot Ion:252 Resp: 13333

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 14.9 10.1 15.1



#36

Benzo(k)fluoranthene

Concen: 0.269 ng

RT: 23.19 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

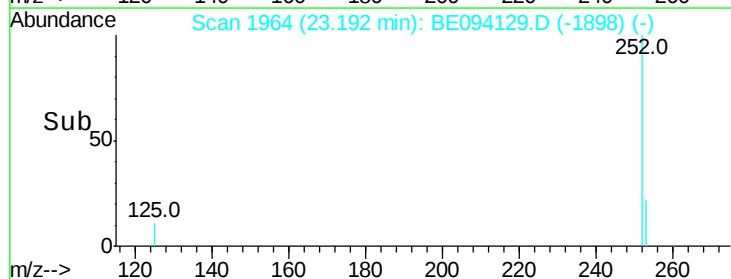
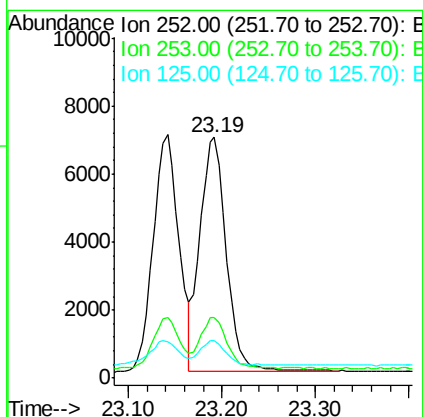
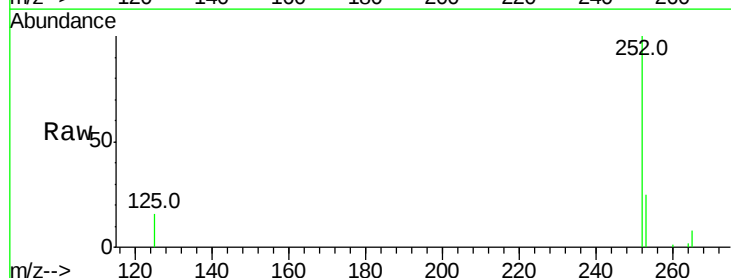
Tgt Ion:252 Resp: 13386

Ion Ratio Lower Upper

252 100

253 25.4 18.6 27.8

125 15.6 10.7 16.1





#37

Benzo(a)pyrene

Concen: 0.277 ng

RT: 23.80 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD

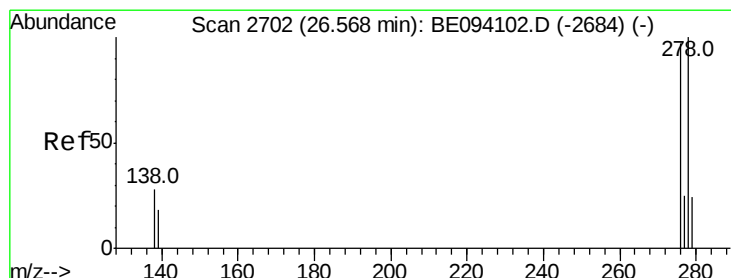
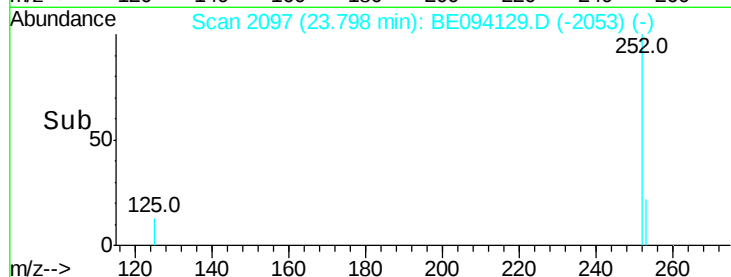
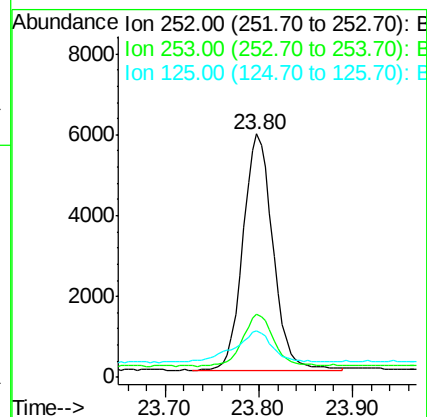
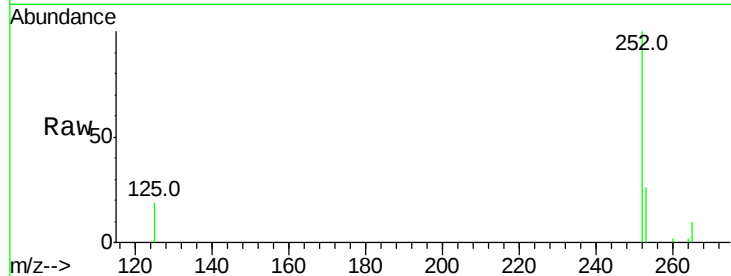
Tot Ion:252 Resp: 12991

Ion Ratio Lower Upper

252 100

253 26.0 19.0 28.6

125 19.1 11.8 17.8#



#38

Dibenzo(a,h)anthracene

Concen: 0.264 ng

RT: 26.57 min Scan# 2703

Delta R.T. 0.00 min

Lab File: BE094129.D

Acq: 26 Sep 2017 15:26

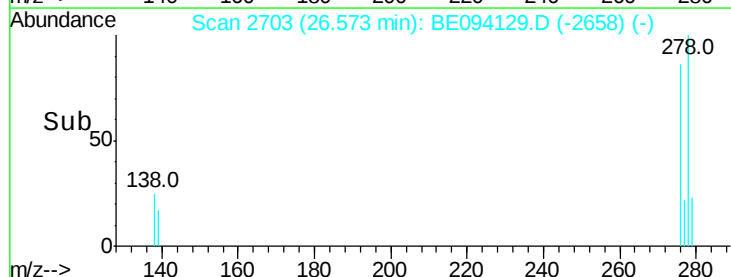
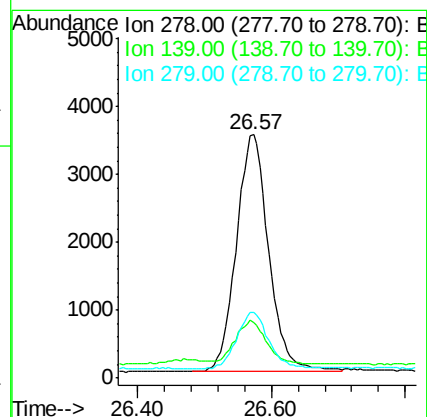
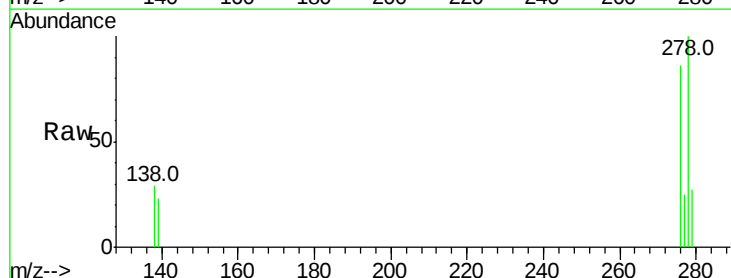
Tgt Ion:278 Resp: 11724

Ion Ratio Lower Upper

278 100

139 22.5 16.3 24.5

279 26.9 19.9 29.9





#39

Benzo(a,h,i)perylene

Concen: 0.268 ng

RT: 27.38 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BE094129.D

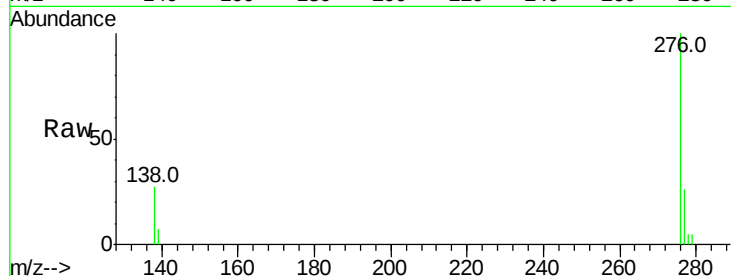
Acq: 26 Sep 2017 15:26

Instrument :

BNA_E

ClientSampleId :

PB102616BSD



Tot Ion:276 Resp: 11788

Ion Ratio Lower Upper

276 100

277 25.9 20.8 31.2

138 26.9 21.5 32.3

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

