

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093653.D
 Acq On : 3 Aug 2017 11:41
 Operator : SJ/JU
 Sample : I4425-02DL 5X
 Misc : I4426-07
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 04 04:12:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2994	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14915	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	9870	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24474	0.40	ng	0.00
27) Chrysene-d12	21.40	240	23325	0.40	ng	-0.01
34) Perylene-d12	23.91	264	20624	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	673	0.08	ng	0.00
5) Phenol-d6	7.09	99	1033	0.08	ng	0.00
8) Nitrobenzene-d5	9.06	82	2375	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	1496	0.06	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	119	0.15	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2009	0.05	ng	-0.02
25) Fluoranthene-d10	19.27	212	14296	0.05	ng	0.00
29) Terphenyl-d14	19.86	244	2486	0.06	ng	0.00

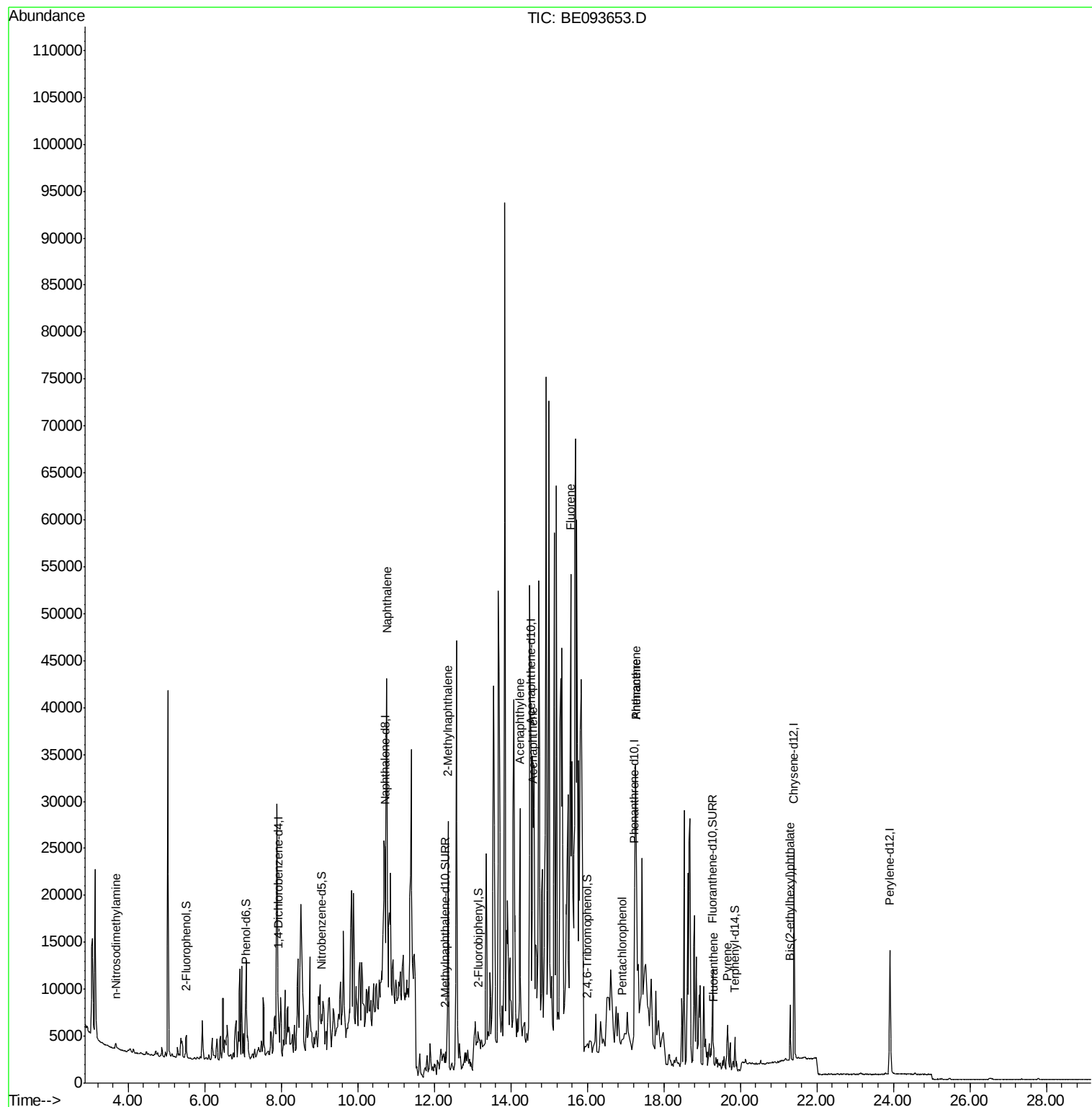
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.68	42	230	0.051	ng	# 1
9) Naphthalene	10.76	128	59776	0.346	ng	# 96
12) 2-Methylnaphthalene	12.36	142	18181	0.637	ng	# 99
16) Acenaphthylene	14.24	152	4088	0.087	ng	# 1
17) Acenaphthene	14.58	154	8268	0.248	ng	# 43
18) Fluorene	15.56	166	17675	0.397	ng	# 53
20) 4-Bromophenyl-phenylether	16.45	248	23	Below Cal		# 1
21) Hexachlorobenzene	16.55	284	4	Below Cal		# 100
22) Pentachlorophenol	16.91	266	78	0.167	ng	# 66
23) Phenanthrene	17.27	178	60953	1.133	ng	# 81
24) Anthracene	17.27	178	59484	0.808	ng	# 79
26) Fluoranthene	19.30	202	1769	0.021	ng	# 79
28) Pyrene	19.67	202	5688	0.075	ng	# 23
32) Bis(2-ethylhexyl)phthalate	21.30	149	6442	0.069	ng	# 99

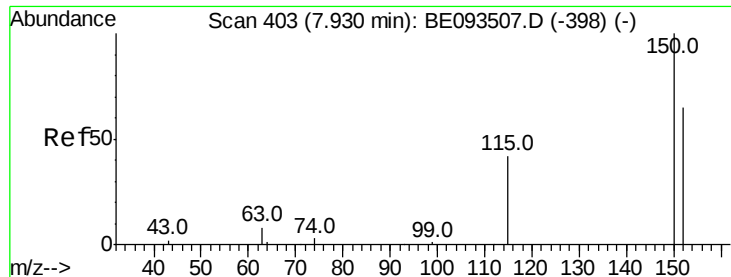
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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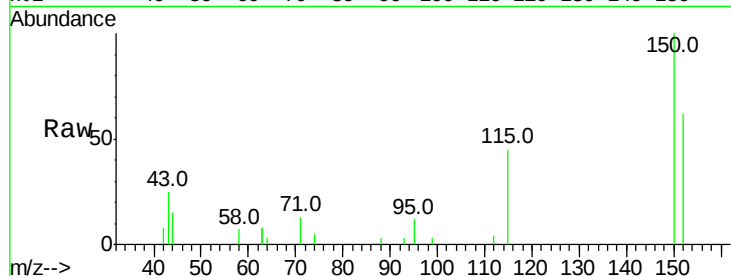


#1

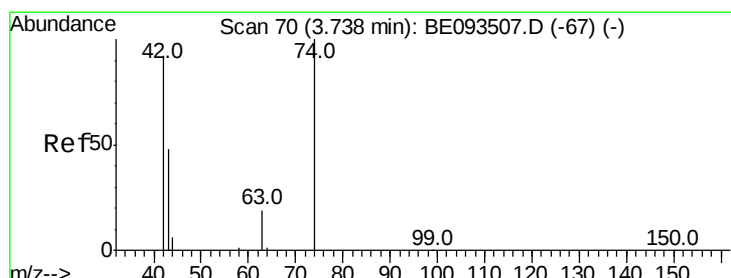
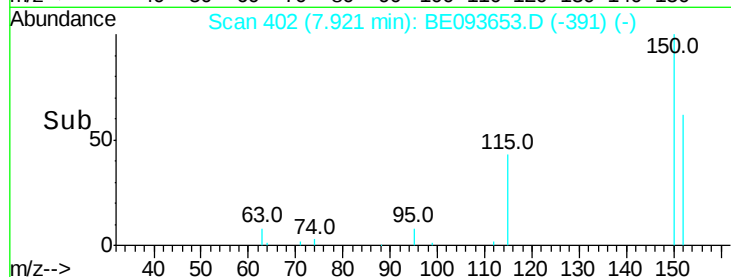
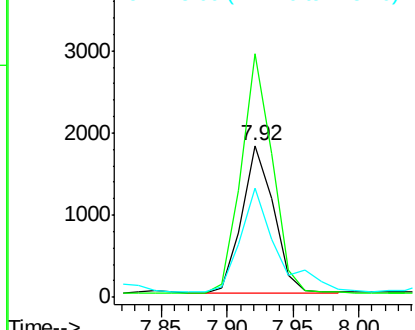
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2994
Ion Ratio Lower Upper
152 100
150 160.5 125.1 187.7
115 72.1 55.7 83.5



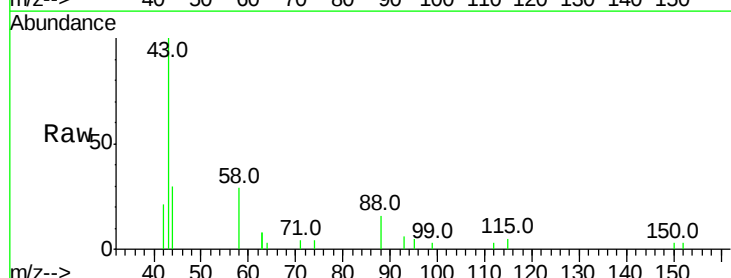
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



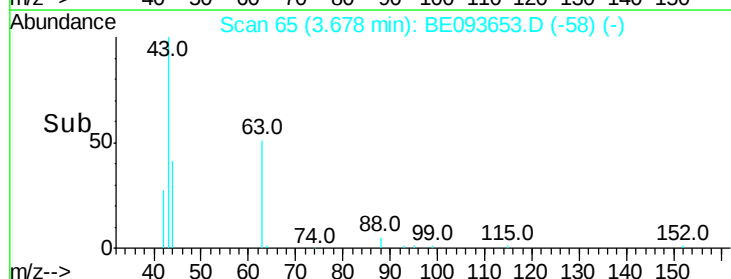
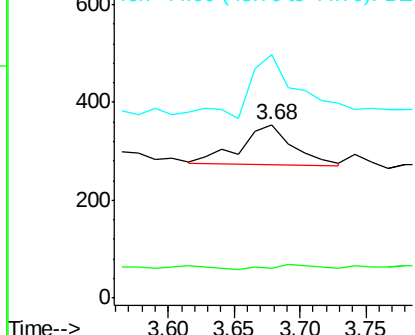
#3

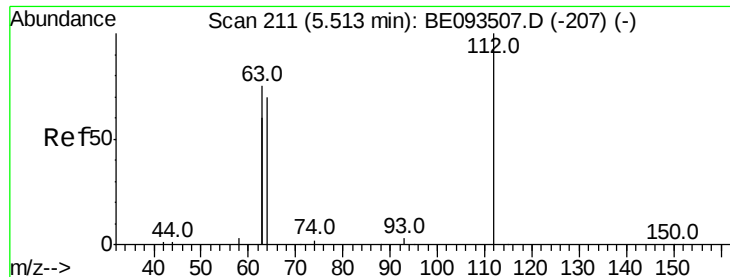
n-Nitrosodimethylamine
Concen: 0.051 ng
RT: 3.68 min Scan# 65
Delta R.T. -0.06 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
74 10.4 99.1 148.7#
44 141.3 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.075 ng

RT: 5.52 min Scan# 211

Delta R.T. 0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampled :

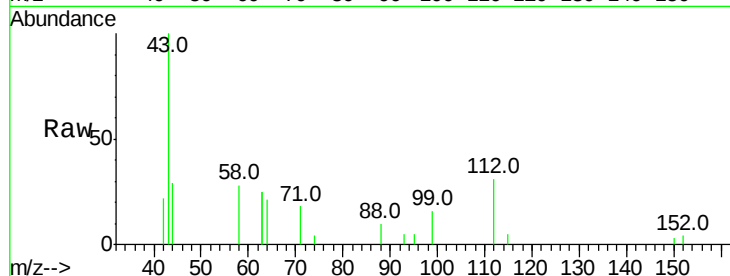
Tot Ion:112 Resp: 673

Ion Ratio Lower Upper

112 100

64 78.2 56.4 84.6

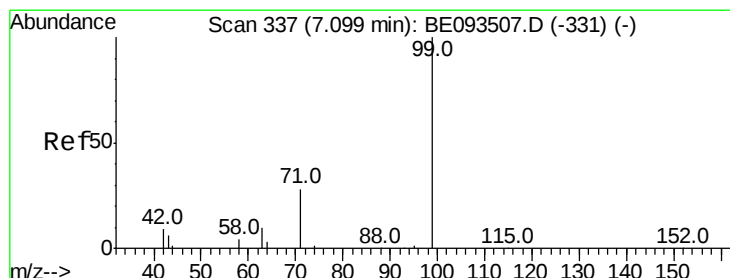
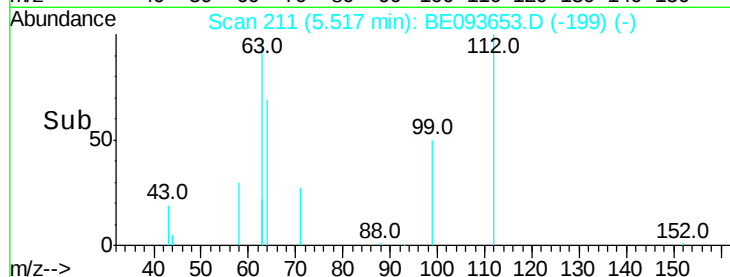
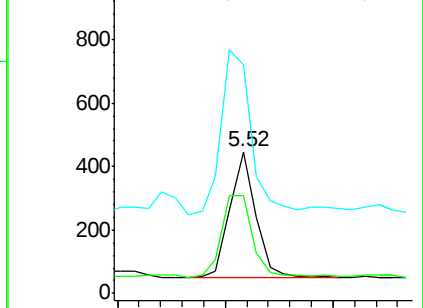
63 149.8 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.077 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

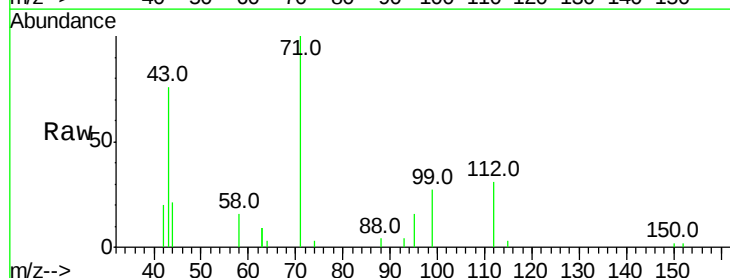
Tgt Ion: 99 Resp: 1033

Ion Ratio Lower Upper

99 100

42 148.1 0.0 0.0#

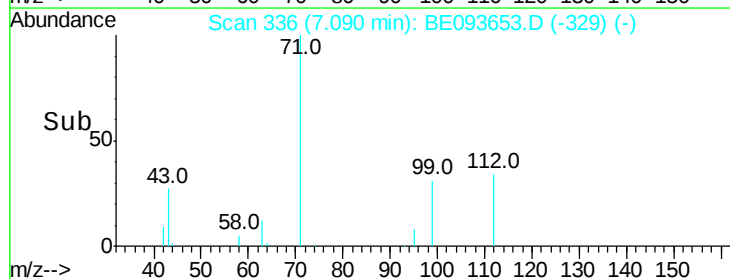
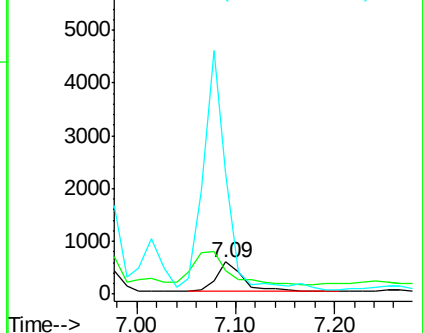
71 703.4 0.0 0.0#

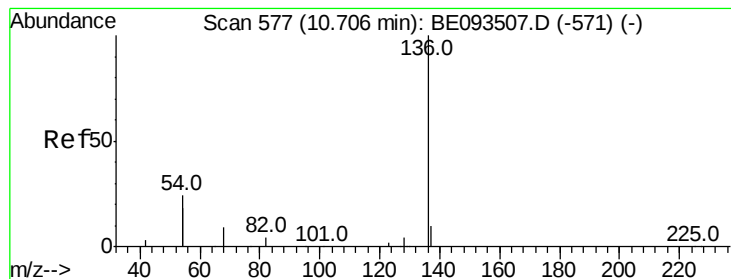


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093653.D

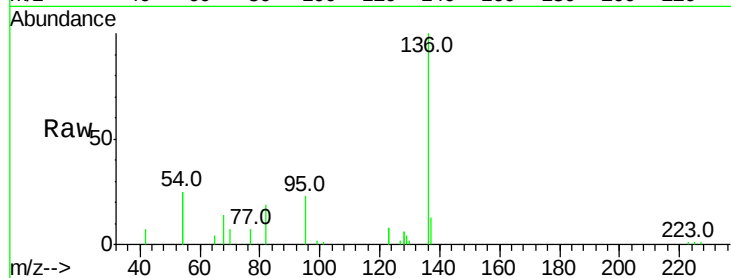
Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	14915
Ion Ratio	Lower	Upper
136	100	
137	13.2	9.8 14.8
54	50.2	10.3 15.5#
68	13.9	9.0 13.4#

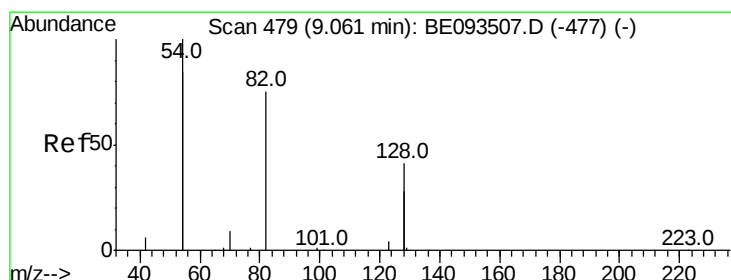
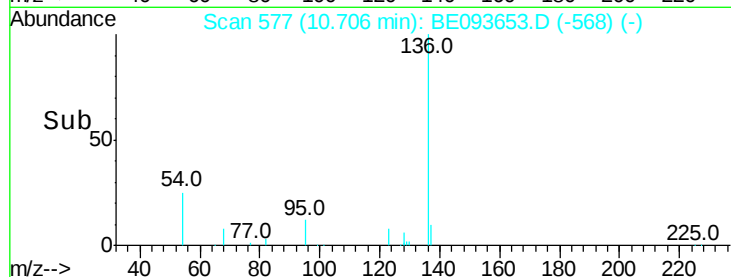
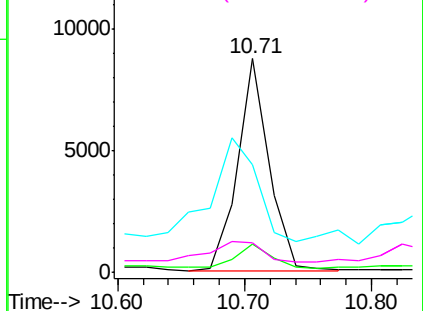


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.209 ng

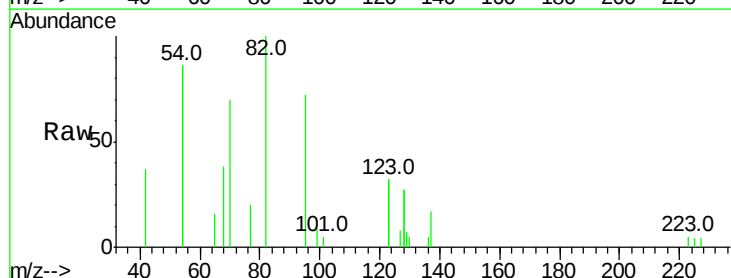
RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

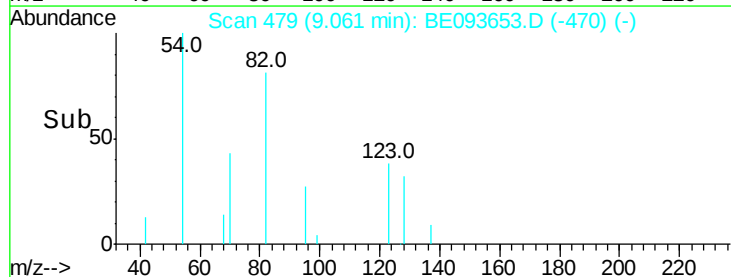
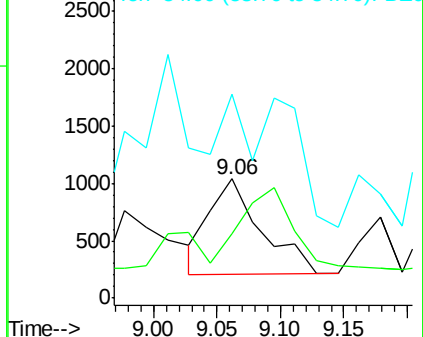
Tgt Ion: 82	Resp:	2375
Ion Ratio	Lower	Upper
82	100	
128	54.2	17.0 25.4#
54	171.1	53.8 80.6#

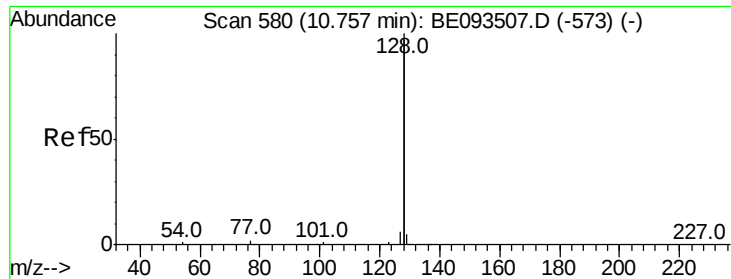


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

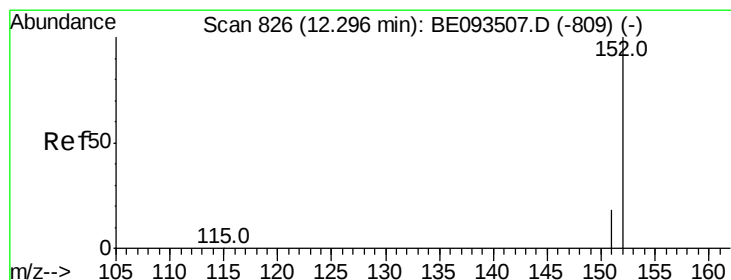
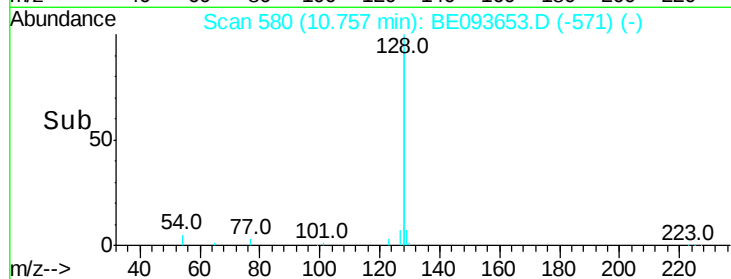
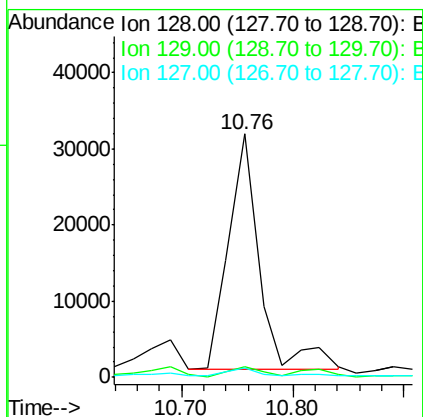
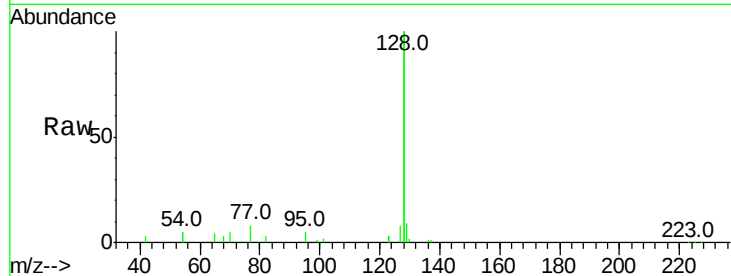




#9
Naphthalene
Concen: 0.346 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

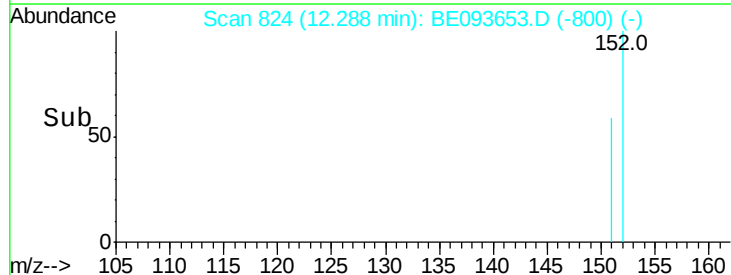
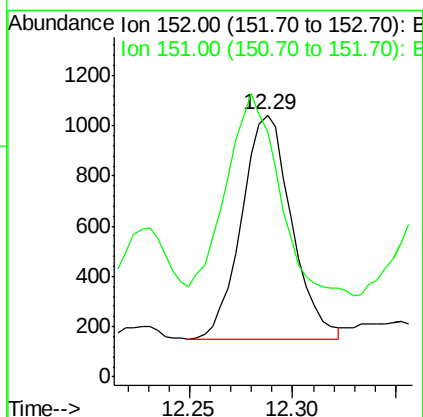
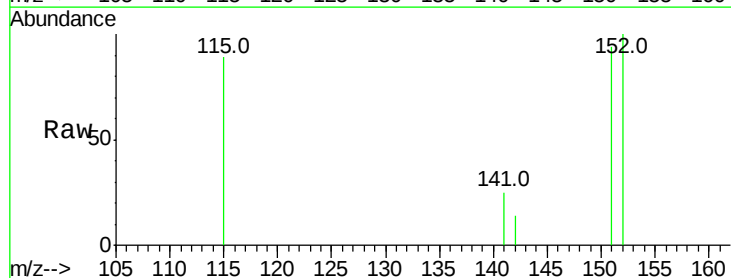
Instrument :
BNA_E
ClientSampleId :

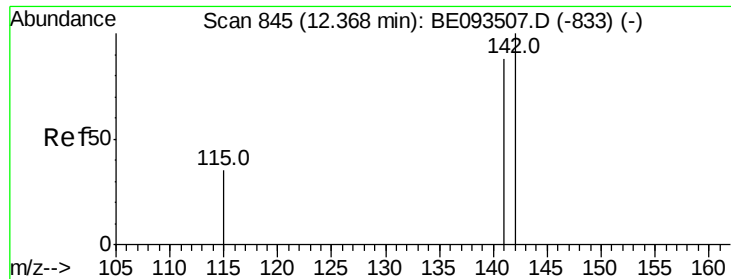
Tot Ion:128 Resp: 59776
Ion Ratio Lower Upper
128 100
129 4.4 2.4 3.6#
127 4.0 2.4 3.6#



#11
2-Methylnaphthalene-d10
Concen: 0.063 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:152 Resp: 1496
Ion Ratio Lower Upper
152 100
151 95.3 15.1 22.7#

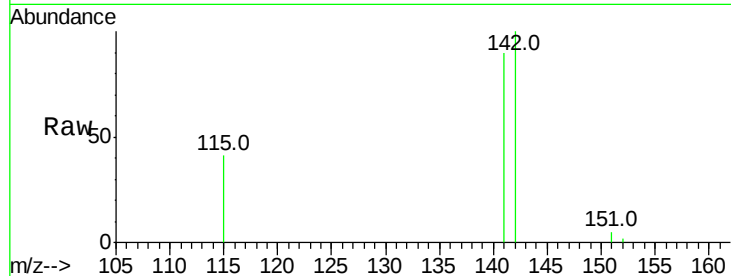




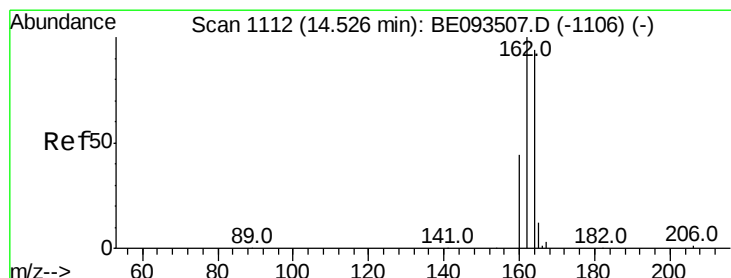
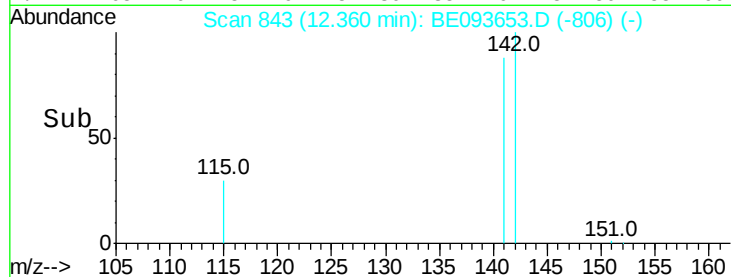
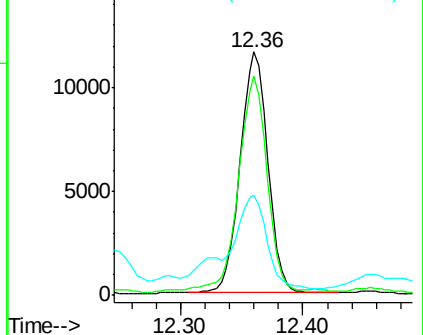
#12
2-Methylnaphthalene
Concen: 0.637 ng
RT: 12.36 min Scan# 843
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Instrument :
BNA_E
ClientSampleId :

Tot Ion:142 Resp: 18181
Ion Ratio Lower Upper
142 100
141 89.8 72.6 108.8
115 41.1 32.2 48.2

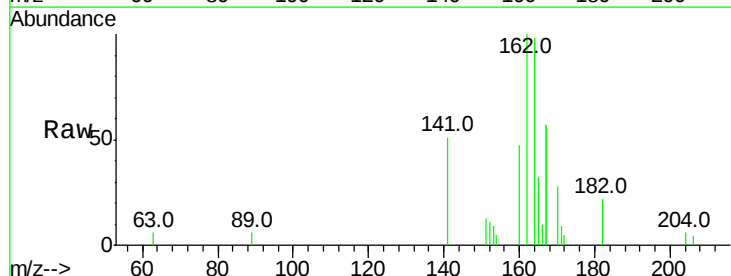


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

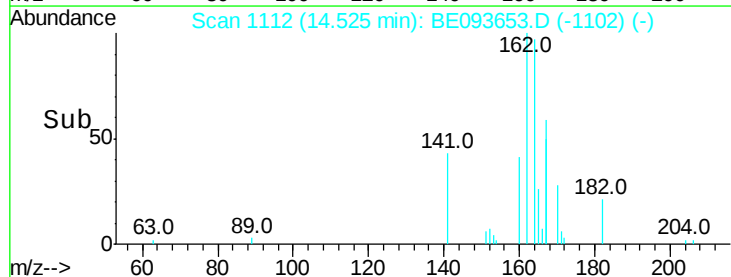
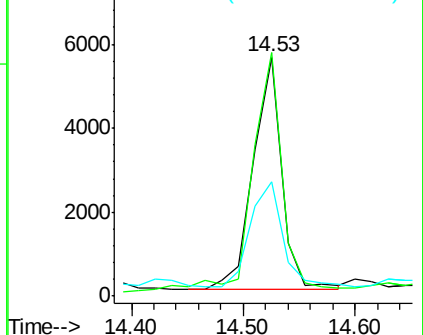


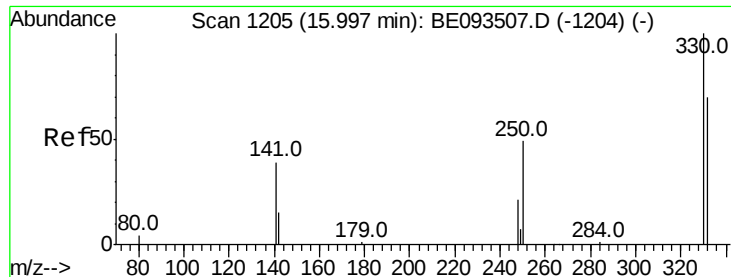
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:164 Resp: 9870
Ion Ratio Lower Upper
164 100
162 102.1 84.6 127.0
160 48.0 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

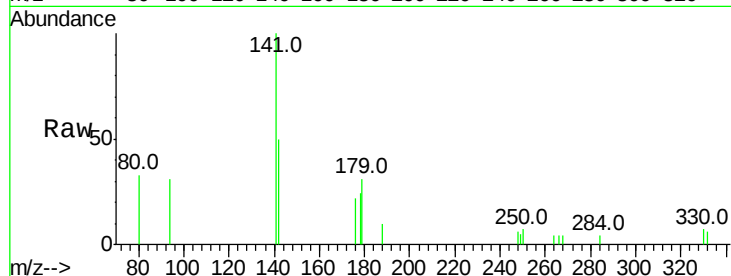




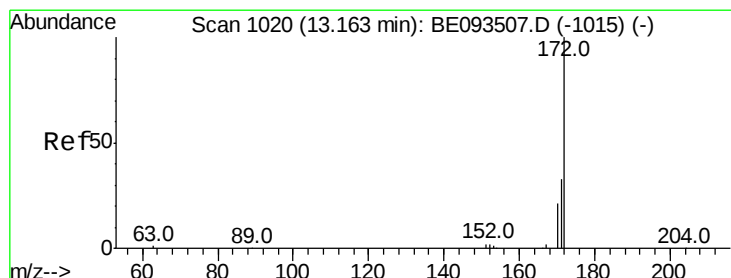
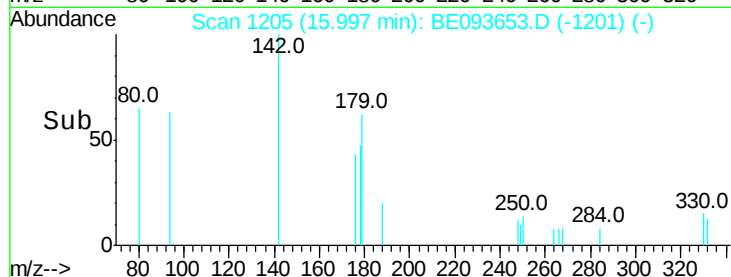
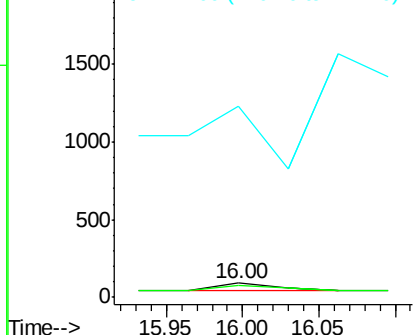
#14
 2,4,6-Tribromophenol
 Concen: 0.148 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 119
 Ion Ratio Lower Upper
 330 100
 332 85.7 77.7 116.5
 141 0.0 56.2 84.4#

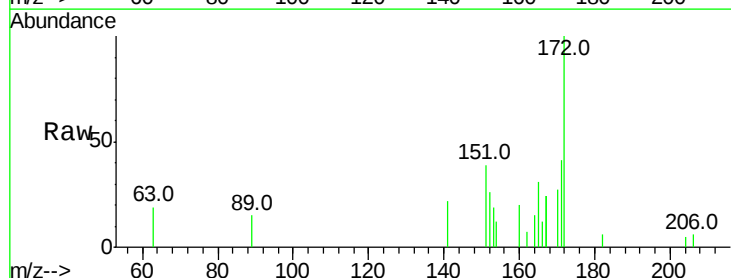


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

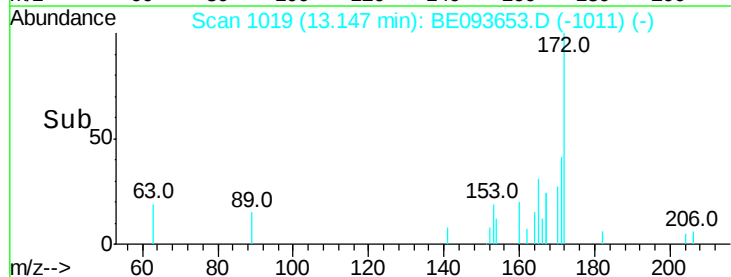
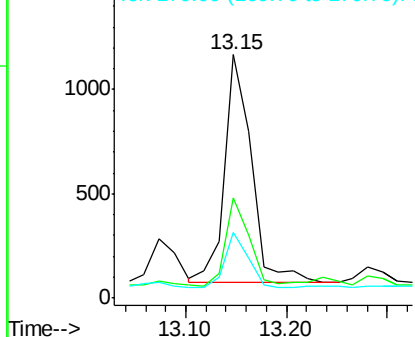


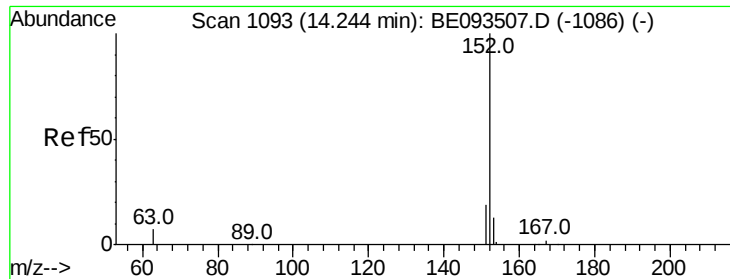
#15
 2-Fluorobiphenyl
 Concen: 0.051 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. -0.02 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Tgt Ion:172 Resp: 2009
 Ion Ratio Lower Upper
 172 100
 171 41.4 29.8 44.6
 170 27.0 20.7 31.1



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: 0.087 ng

RT: 14.24 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampleId :

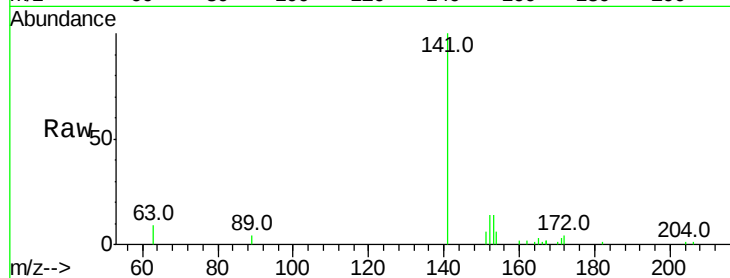
Tot Ion:152 Resp: 4088

Ion Ratio Lower Upper

152 100

151 36.4 4.0 6.0#

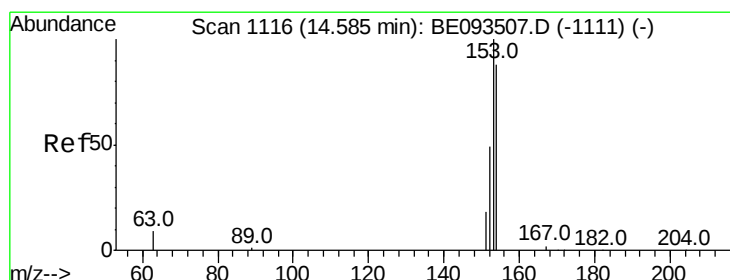
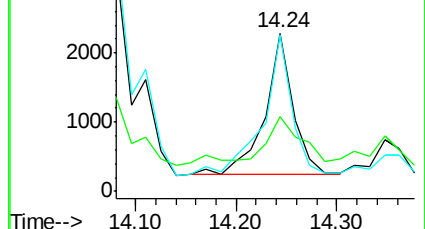
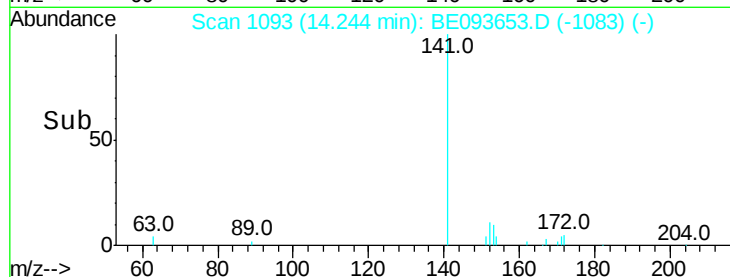
153 97.9 10.3 15.5#



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: 0.248 ng

RT: 14.58 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

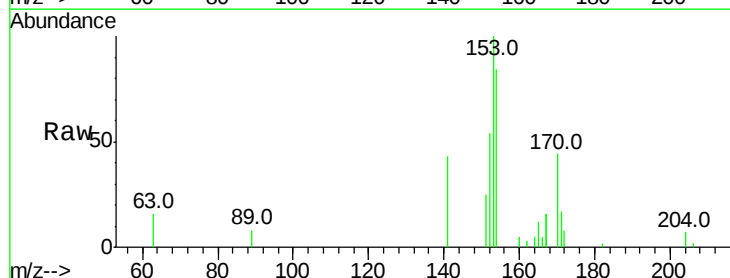
Tgt Ion:154 Resp: 8268

Ion Ratio Lower Upper

154 100

153 165.4 91.2 136.8#

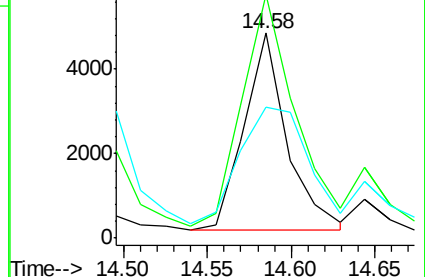
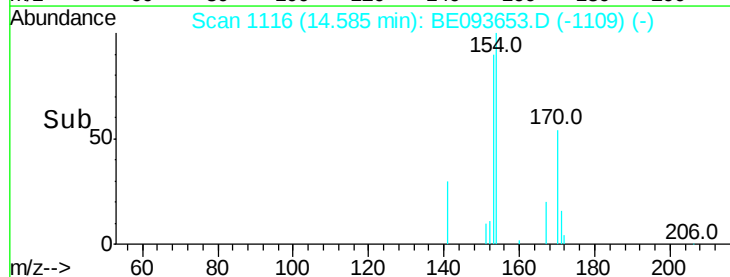
152 111.4 44.8 67.2#

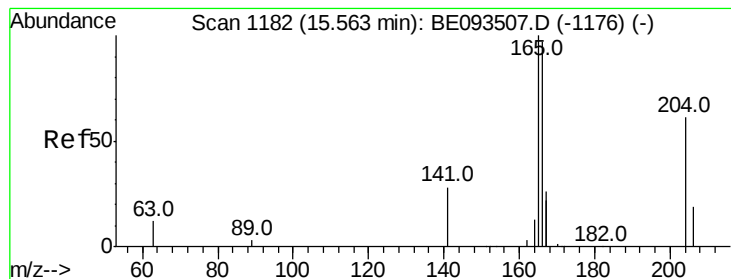


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.397 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampleId :

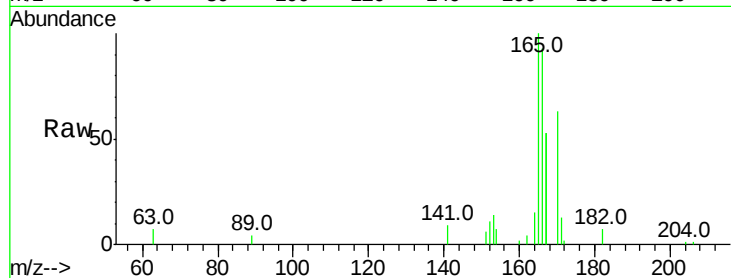
Tot Ion:166 Resp: 17675

Ion Ratio Lower Upper

166 100

165 116.8 78.6 117.8

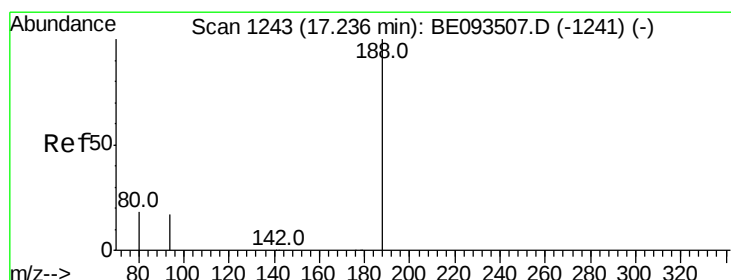
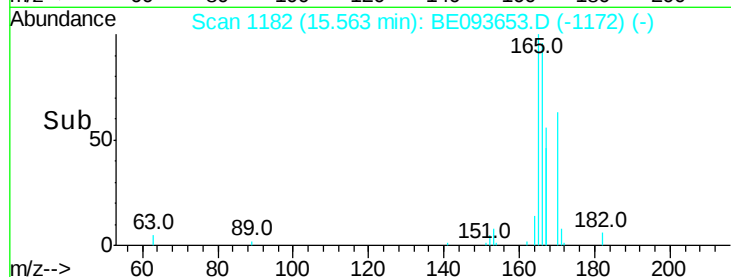
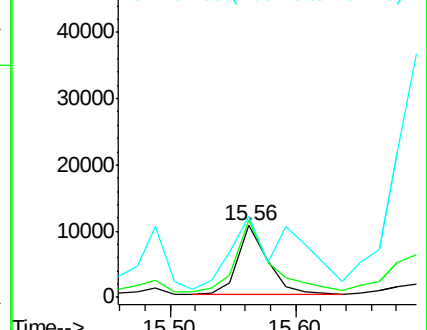
167 112.5 11.1 16.7#



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: BE093653.D

Acq: 3 Aug 2017 11:41

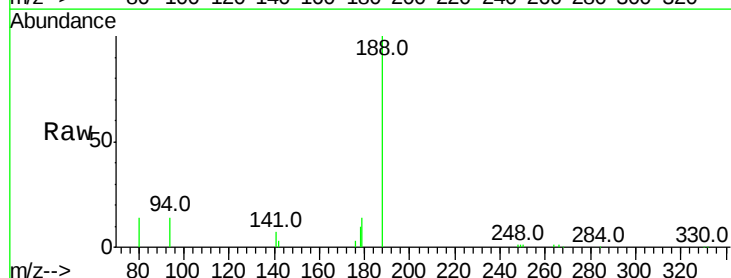
Tgt Ion:188 Resp: 24474

Ion Ratio Lower Upper

188 100

94 14.2 11.3 16.9

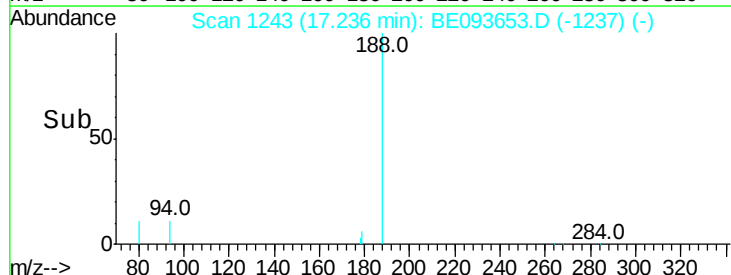
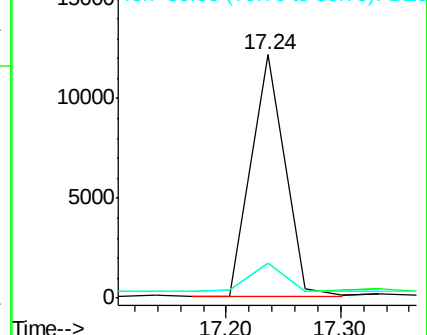
80 14.3 11.7 17.5

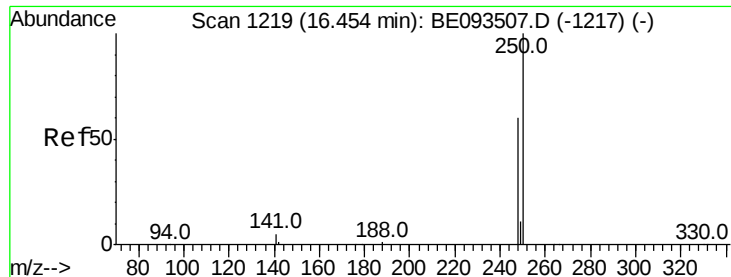


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampled :

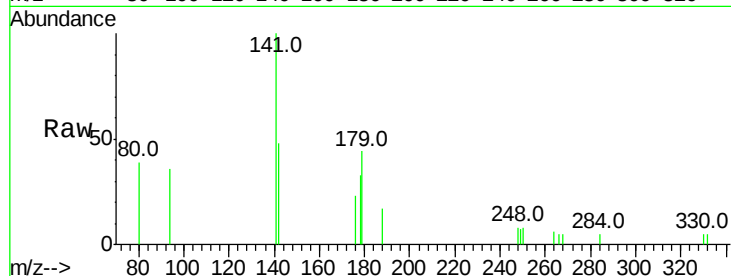
Tot Ion:248 Resp: 23

Ion Ratio Lower Upper

248 100

250 101.3 128.0 192.0#

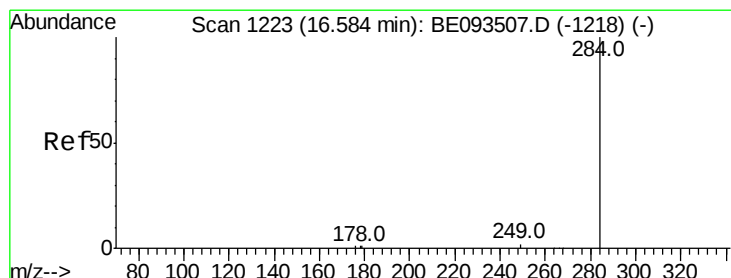
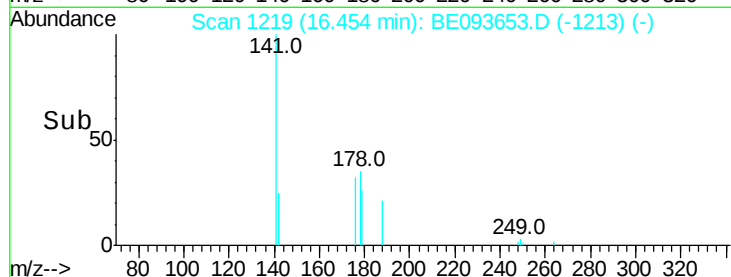
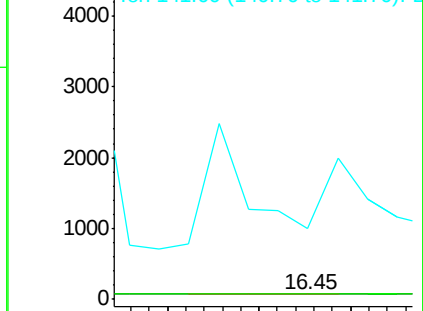
141 1298.7 12.0 18.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.55 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

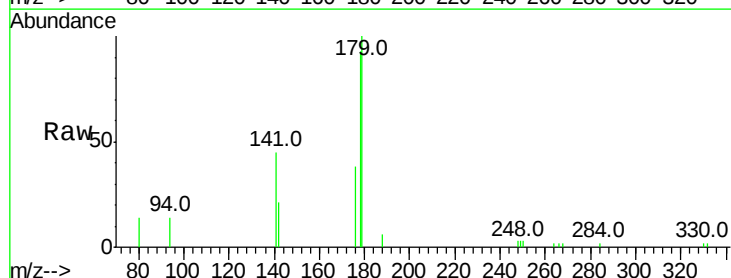
Tgt Ion:284 Resp: 4

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

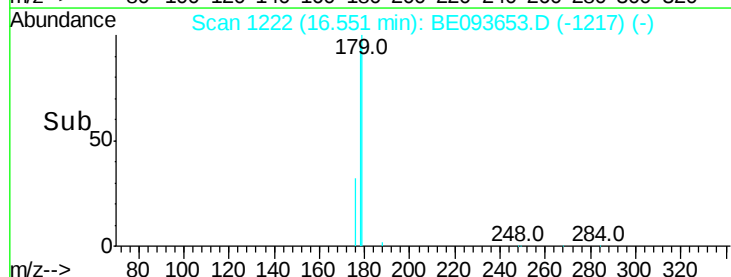
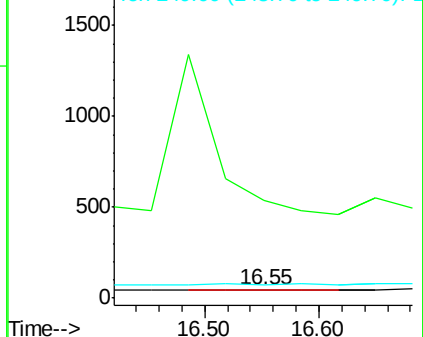
249 0.0 0.0 0.0

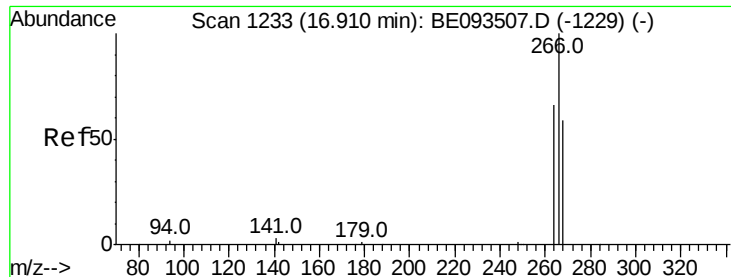


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.167 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampled :

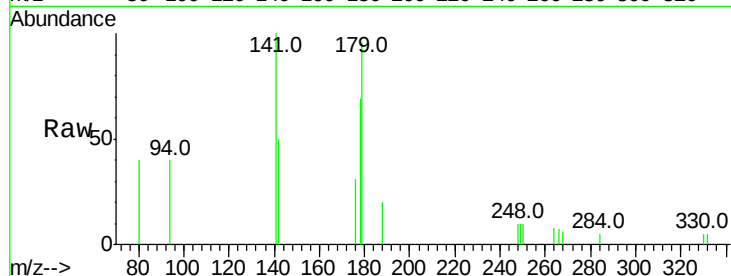
Tot Ion:266 Resp: 78

Ion Ratio Lower Upper

266 100

264 107.7 56.0 84.0#

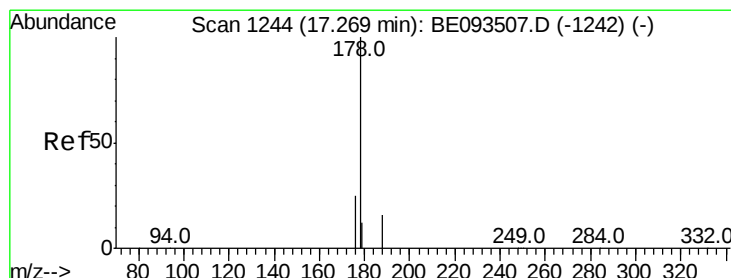
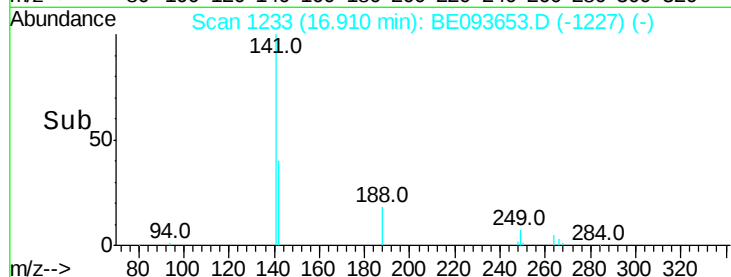
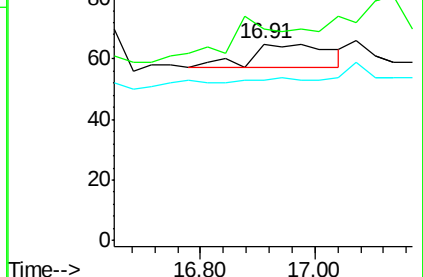
268 81.5 52.0 78.0#



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



#23

Phenanthrene

Concen: 1.133 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

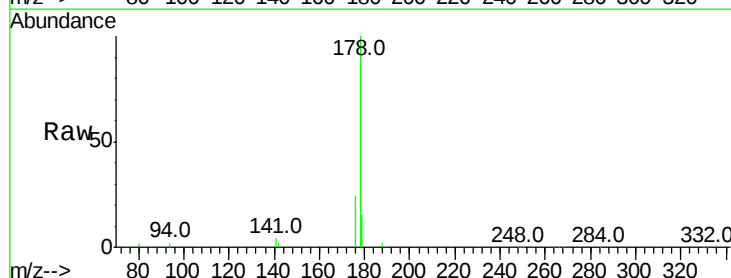
Tgt Ion:178 Resp: 60953

Ion Ratio Lower Upper

178 100

176 20.0 15.0 22.4

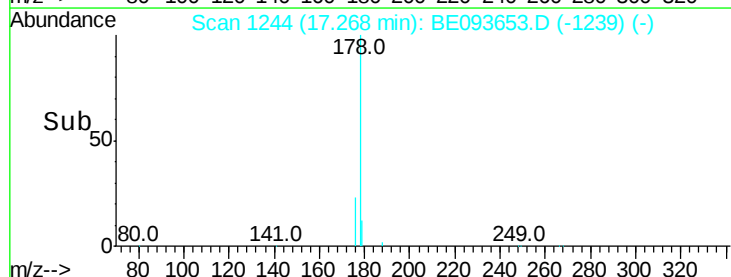
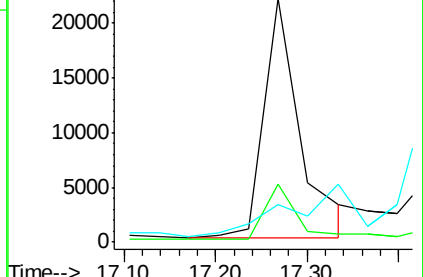
179 0.0 12.7 19.1#

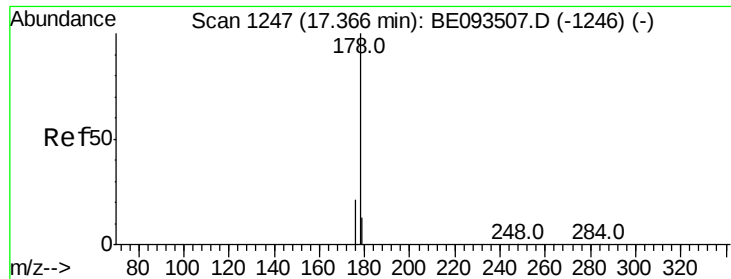


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

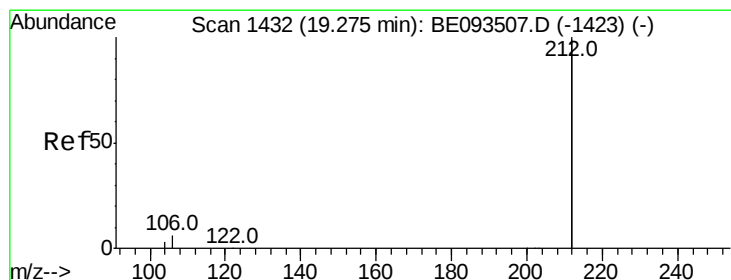
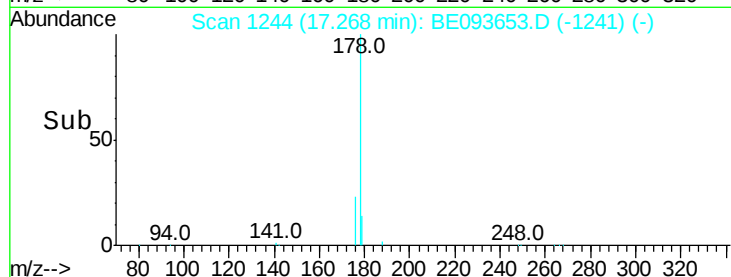
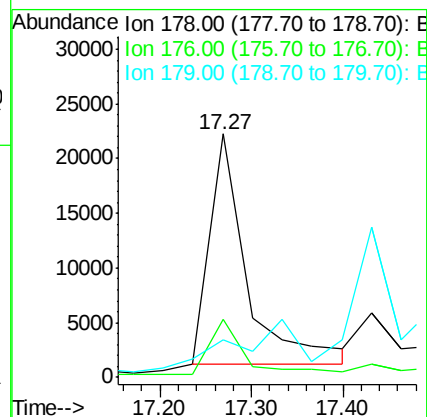
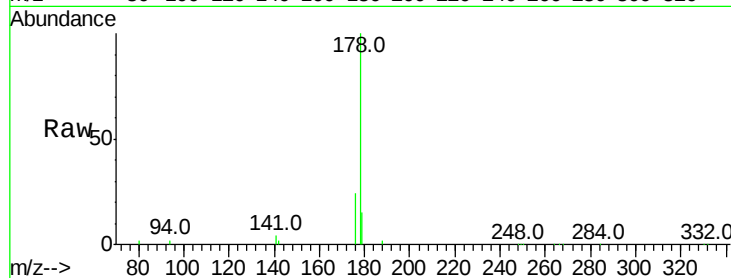




#24
 Anthracene
 Concen: 0.808 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. -0.10 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

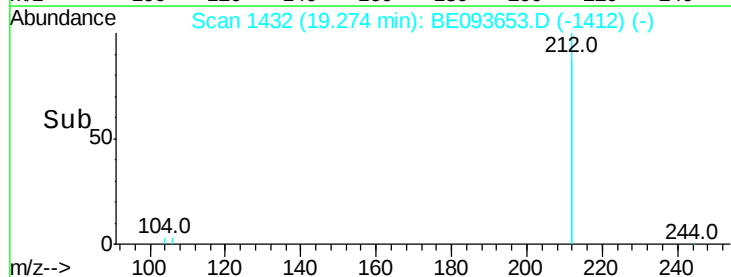
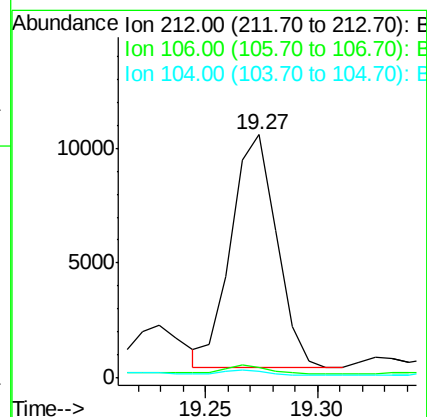
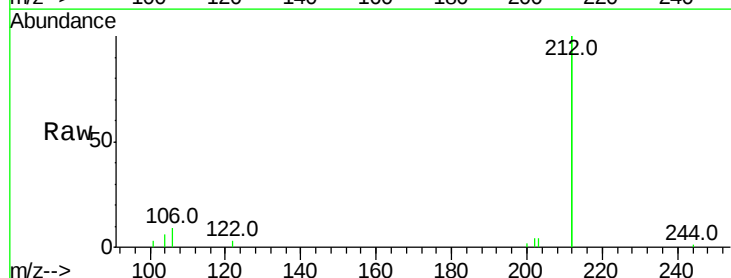
Instrument :
 BNA_E
 ClientSampleId :

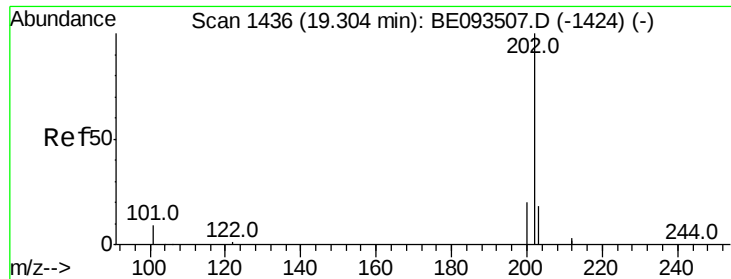
Tot Ion:178 Resp: 59484
 Ion Ratio Lower Upper
 178 100
 176 21.8 14.6 22.0
 179 0.0 12.0 18.0#



#25
 Fluoranthene-d10
 Concen: 0.051 ng
 RT: 19.27 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Tgt Ion:212 Resp: 14296
 Ion Ratio Lower Upper
 212 100
 106 3.7 2.4 3.6#
 104 2.2 1.6 2.4

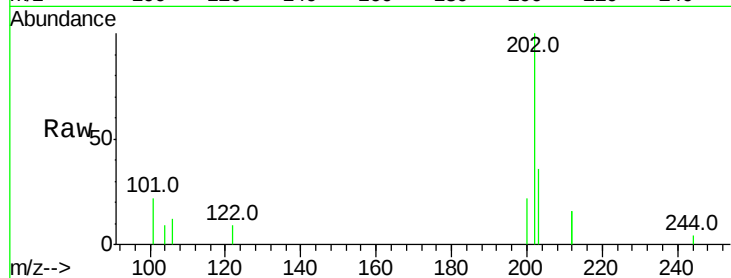




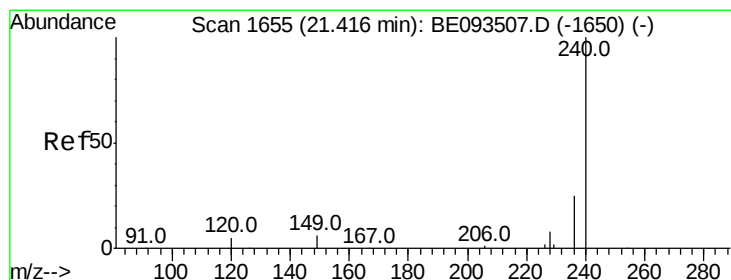
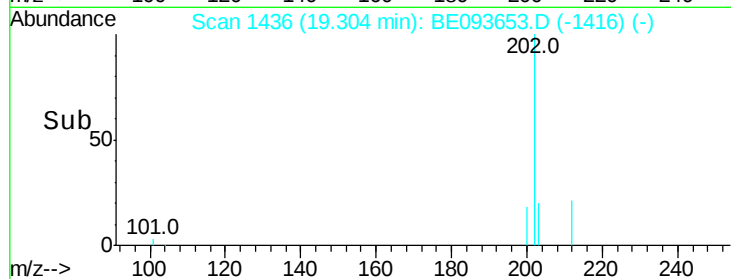
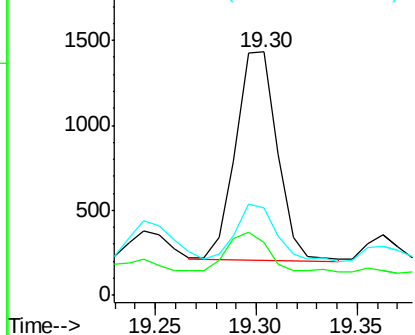
#26
 Fluoranthene
 Concen: 0.021 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 1769
 Ion Ratio Lower Upper
 202 100
 101 19.2 9.6 14.4#
 203 27.8 14.4 21.6#

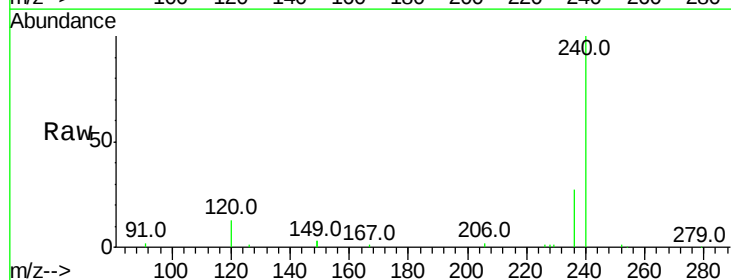


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

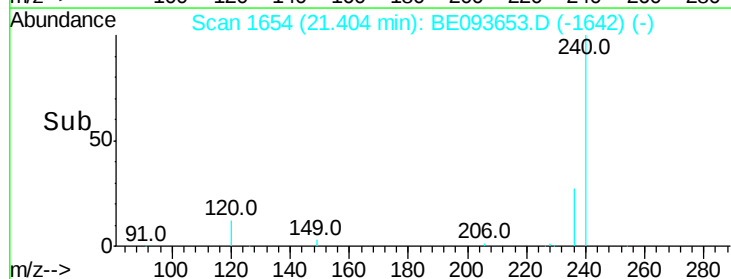
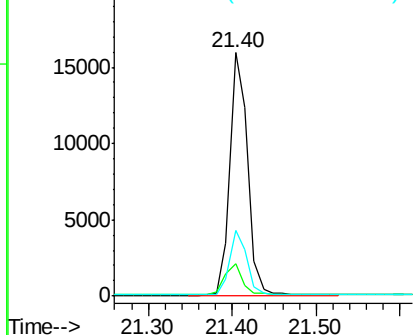


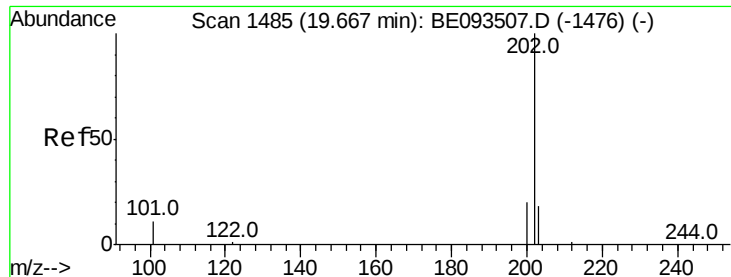
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Tgt Ion:240 Resp: 23325
 Ion Ratio Lower Upper
 240 100
 120 13.1 4.6 7.0#
 236 27.2 20.8 31.2



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

Pvrene

Concen: 0.075 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

Instrument :

BNA_E

ClientSampleId :

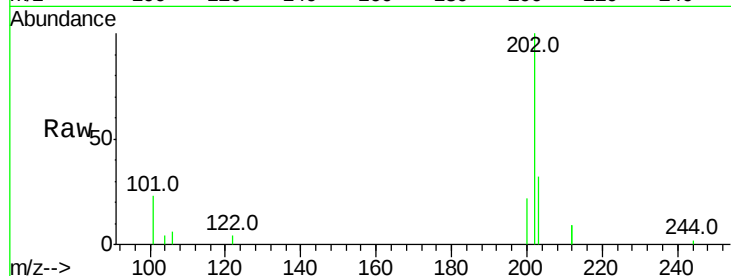
Tot Ion:202 Resp: 5688

Ion Ratio Lower Upper

202 100

200 19.8 0.0 0.0#

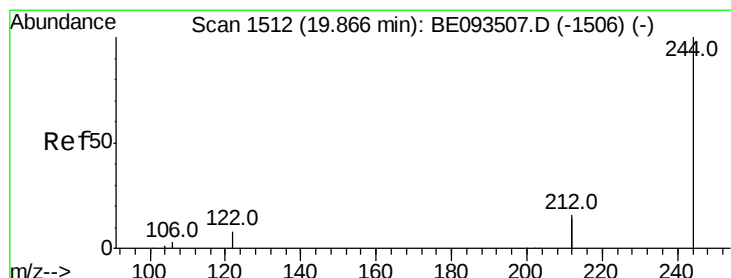
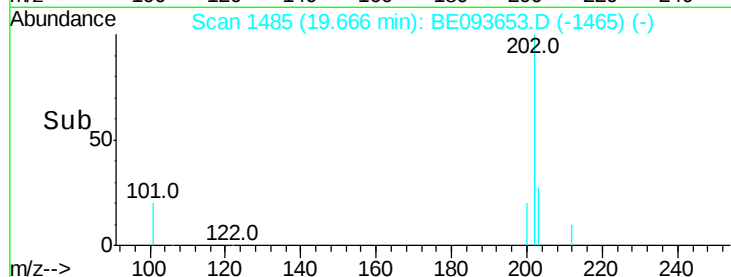
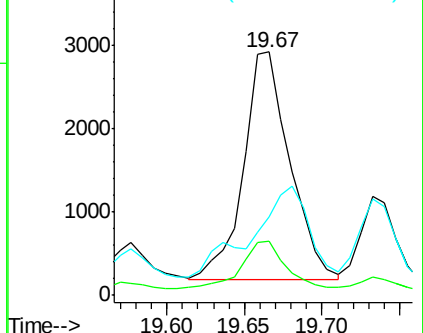
203 50.7 13.7 20.5#



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: 0.059 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093653.D

Acq: 3 Aug 2017 11:41

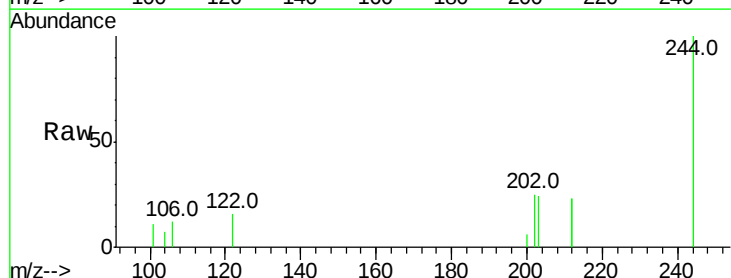
Tgt Ion:244 Resp: 2486

Ion Ratio Lower Upper

244 100

212 46.8 10.6 16.0#

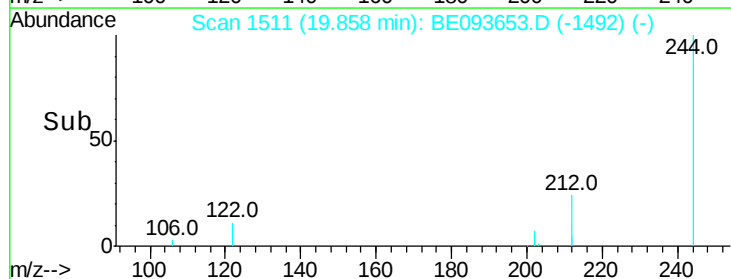
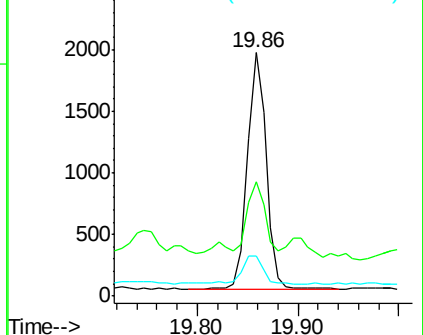
122 16.2 15.4 23.0

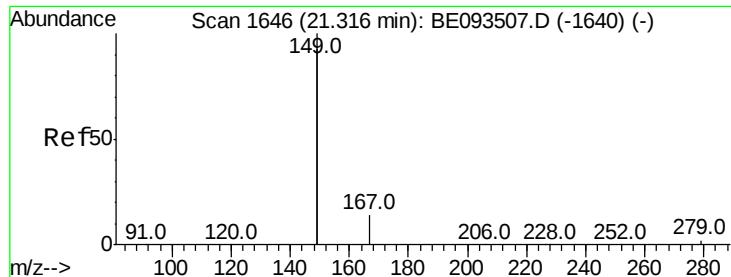


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

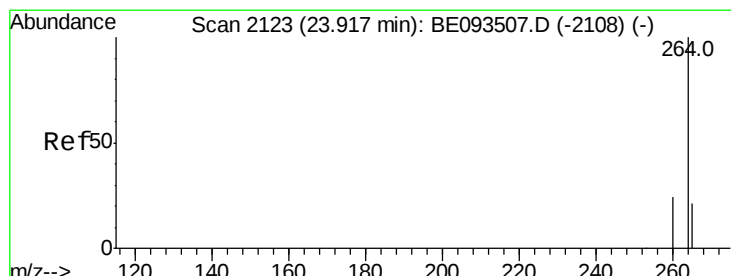
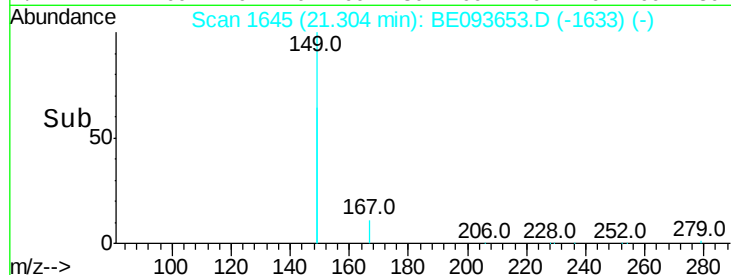
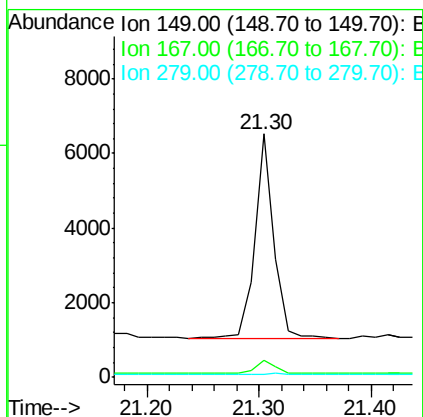
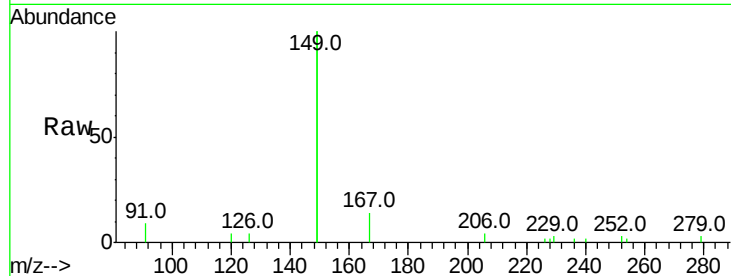




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.069 ng
 RT: 21.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:149 Resp: 6442
 Ion Ratio Lower Upper
 149 100
 167 6.3 4.8 7.2
 279 1.1 0.8 1.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE093653.D
 Acq: 3 Aug 2017 11:41

Tgt Ion:264 Resp: 20624
 Ion Ratio Lower Upper
 264 100
 260 24.8 21.0 31.4
 265 24.9 24.6 36.8

