

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072017\
 Data File : BE093500.D
 Acq On : 20 Jul 2017 14:17
 Operator : SJ/JU
 Sample : I4205-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 20 18:07:26 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	7.95	152	3860	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	22431	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	16843	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	34946	0.40	ng	0.00
27) Chrysene-d12	21.43	240	31580	0.40	ng	0.00
34) Perylene-d12	23.94	264	28506	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	524	0.04	ng	0.00
5) Phenol-d6	7.12	99	1844	0.11	ng	0.02
8) Nitrobenzene-d5	9.08	82	7026	0.49	ng	0.00
11) 2-Methylnaphthalene-d10	12.31	152	6034	0.17	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	544	0.10	ng	0.00
15) 2-Fluorobiphenyl	13.18	172	10698	0.16	ng	0.00
25) Fluoranthene-d10	19.29	212	32420	0.08	ng	0.00
29) Terphenyl-d14	19.87	244	8442	0.15	ng	0.00

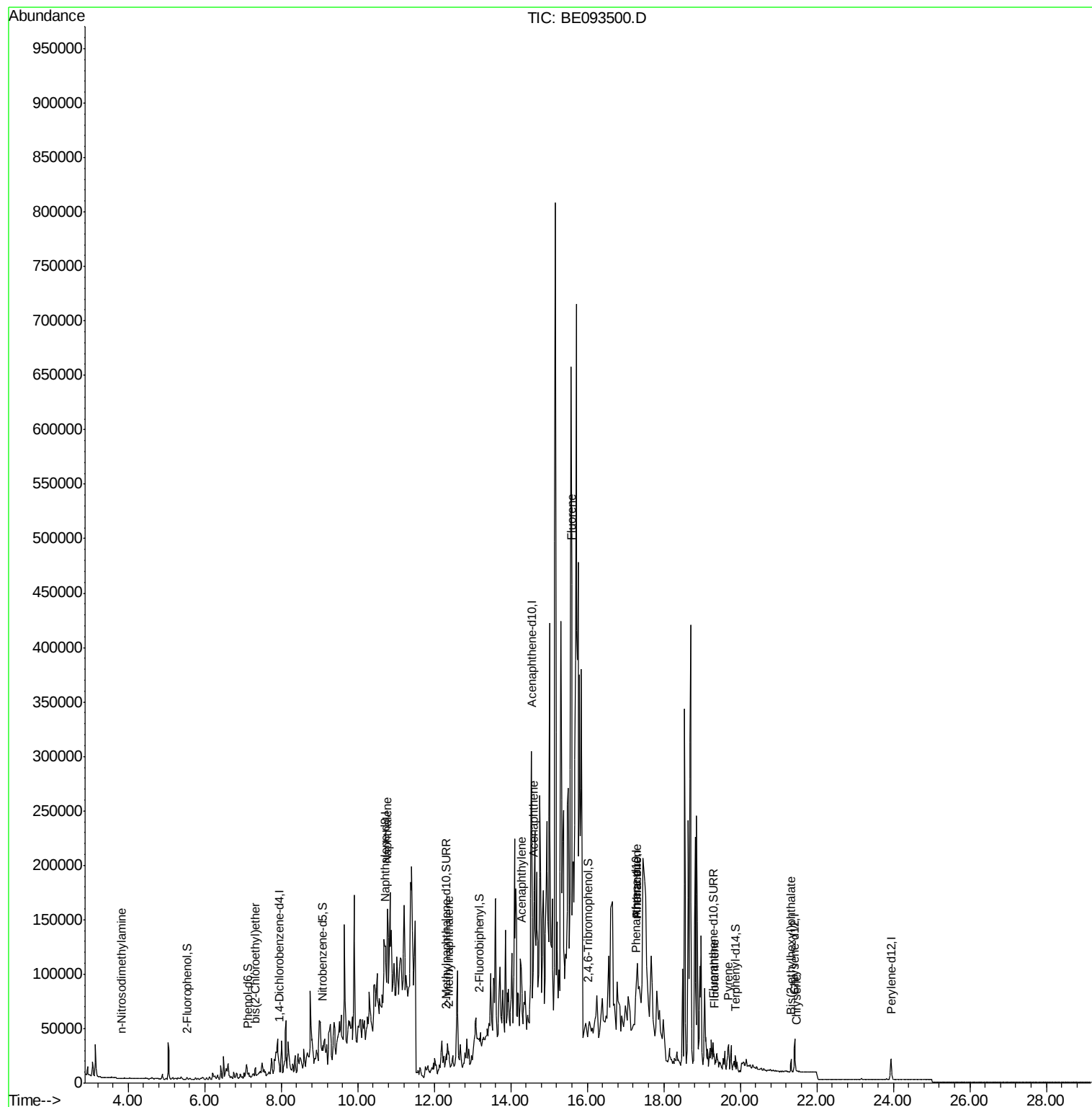
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.82	42	165	0.153	ng	# 1
6) bis(2-Chloroethyl)ether	7.33	93	509	0.039	ng	# 1
9) Naphthalene	10.77	128	158695	0.675	ng	# 82
12) 2-Methylnaphthalene	12.38	142	8372	0.212	ng	# 37
16) Acenaphthylene	14.27	152	22966	0.327	ng	# 1
17) Acenaphthene	14.60	154	68770	1.338	ng	# 57
18) Fluorene	15.59	166	151735	2.151	ng	# 47
23) Phenanthrene	17.30	178	118835	0.936	ng	# 78
24) Anthracene	17.30	178	101309	1.301	ng	# 73
26) Fluoranthene	19.32	202	13331	0.112	ng	# 78
28) Pvrene	19.68	202	27810	0.313	ng	# 61
31) Chrysene	21.46	228	2243	0.025	ng	# 34
32) Bis(2-ethylhexyl)phthalate	21.33	149	13262	0.108	ng	# 71

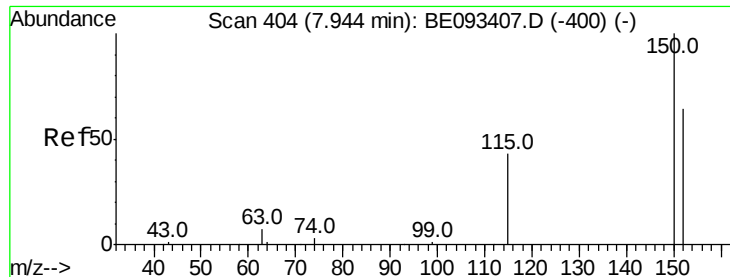
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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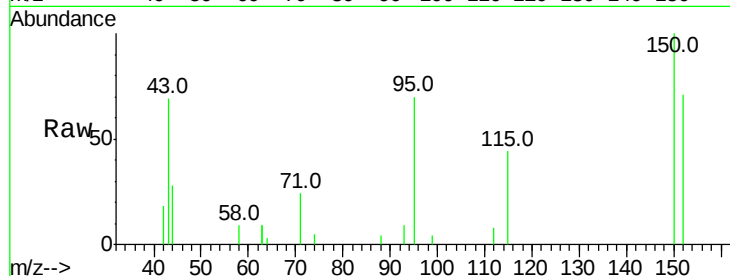


#1

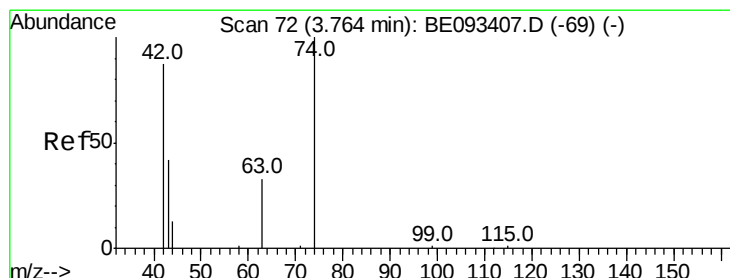
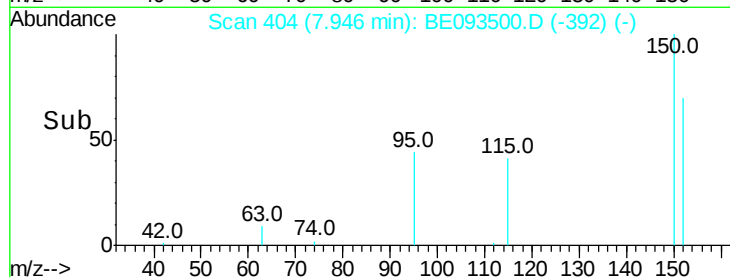
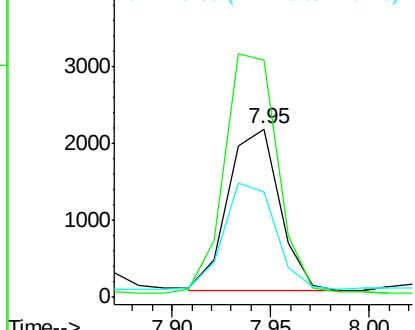
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 3860
Ion Ratio Lower Upper
152 100
150 140.9 125.1 187.7
115 62.5 55.7 83.5



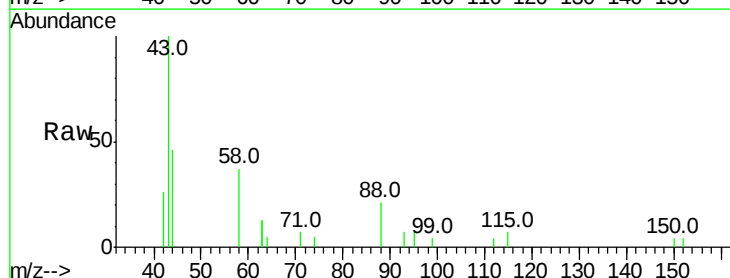
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



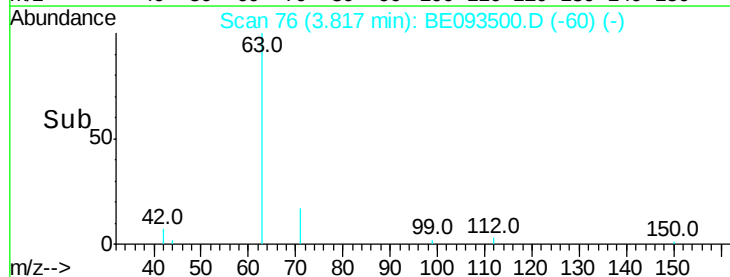
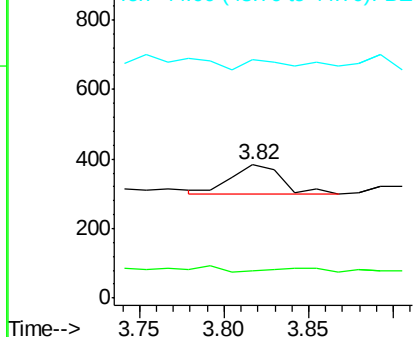
#3

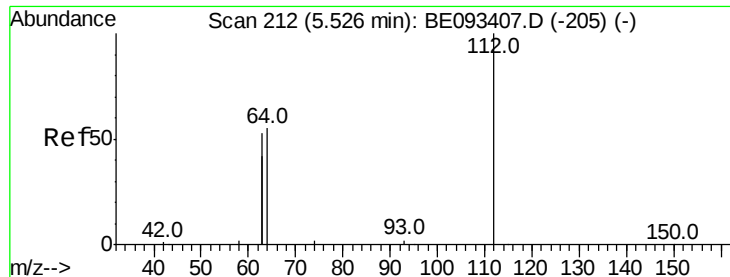
n-Nitrosodimethylamine
Concen: 0.153 ng
RT: 3.82 min Scan# 76
Delta R.T. 0.05 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

Tgt Ion: 42 Resp: 165
Ion Ratio Lower Upper
42 100
74 0.0 99.1 148.7#
44 29.7 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: 0.045 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

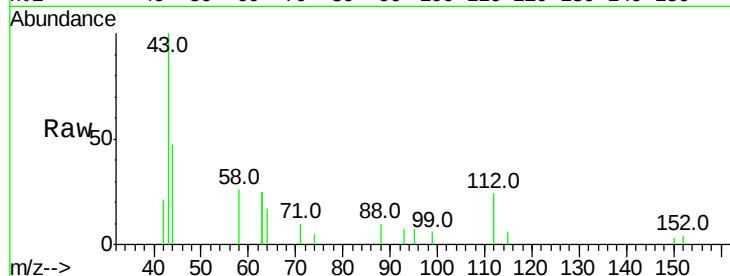
Tot Ion:112 Resp: 524

Ion Ratio Lower Upper

112 100

64 63.9 56.4 84.6

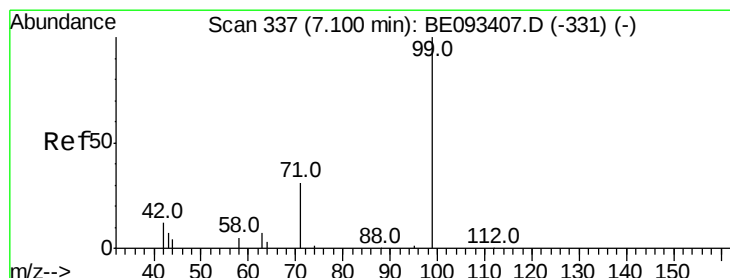
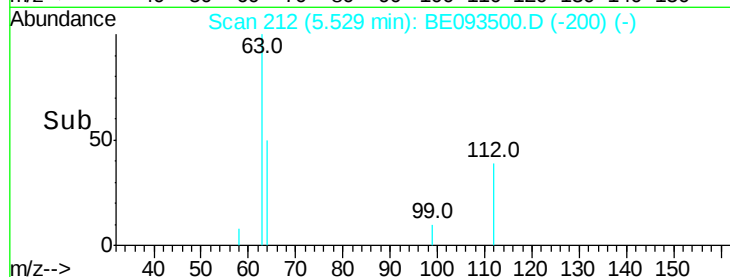
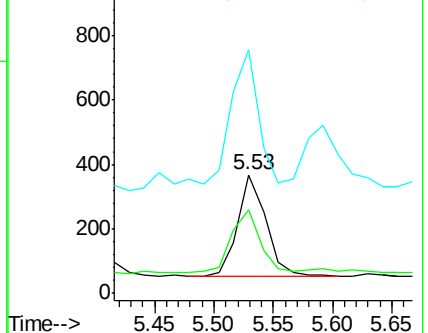
63 127.3 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.107 ng

RT: 7.12 min Scan# 338

Delta R.T. 0.02 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

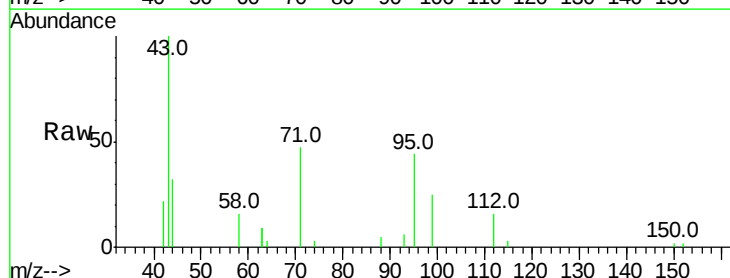
Tgt Ion: 99 Resp: 1844

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

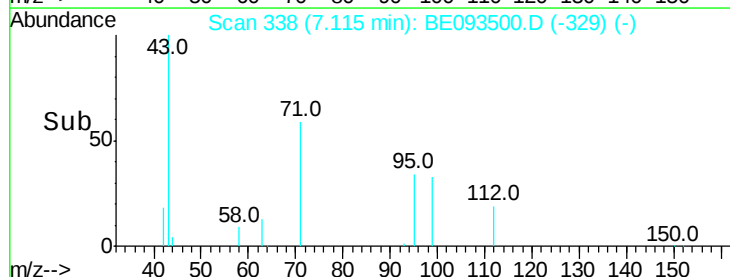
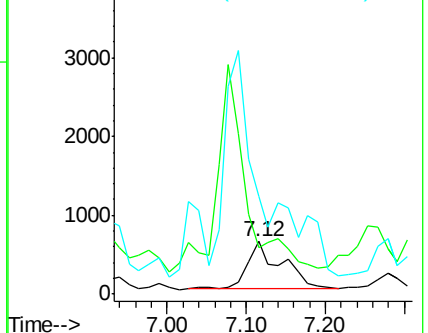
71 0.0 0.0 0.0

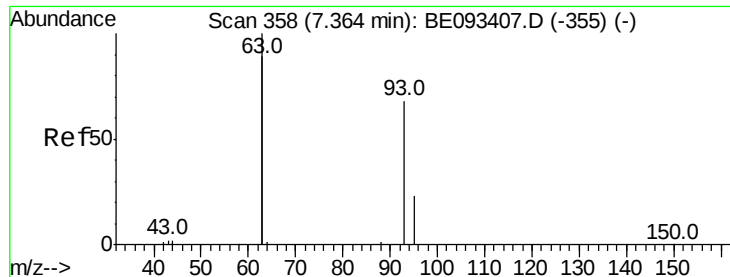


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.039 ng

RT: 7.33 min Scan# 355

Delta R.T. -0.04 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

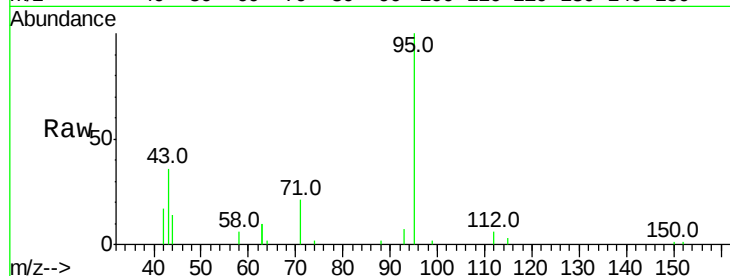
Tot Ion: 93 Resp: 509

Ion Ratio Lower Upper

93 100

63 290.4 0.0 0.0#

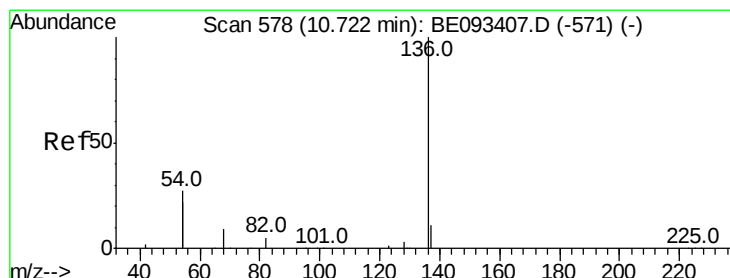
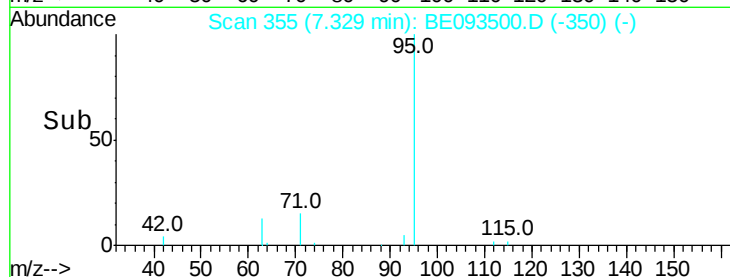
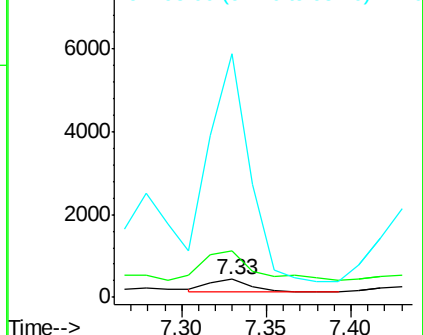
95 1752.5 25.4 38.0#



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: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Tgt Ion: 136 Resp: 22431

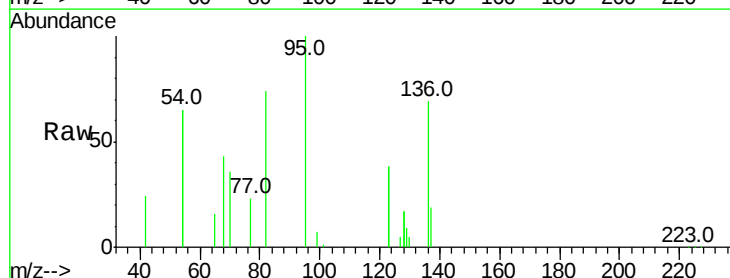
Ion Ratio Lower Upper

136 100

137 27.2 9.8 14.8#

54 188.7 10.3 15.5#

68 61.5 9.0 13.4#

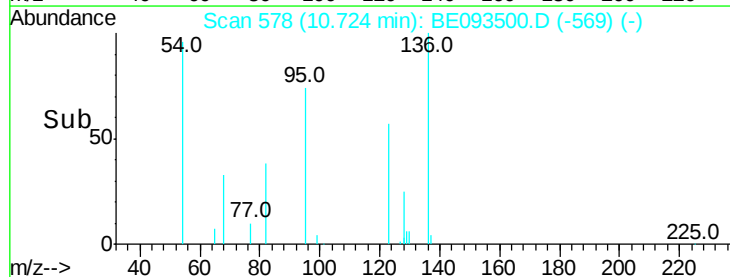
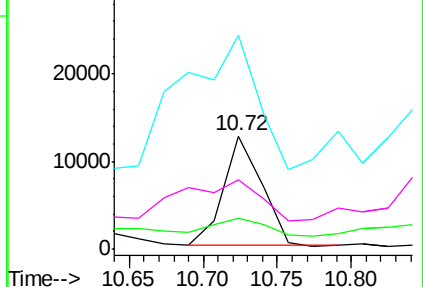


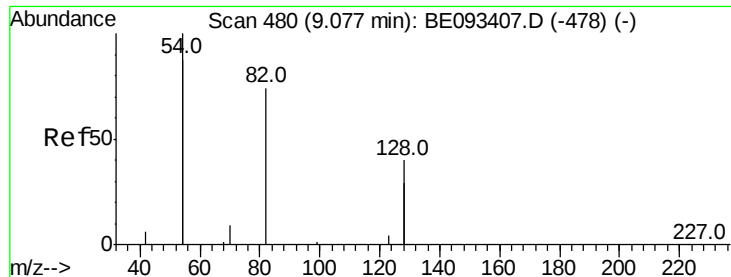
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.490 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampled :

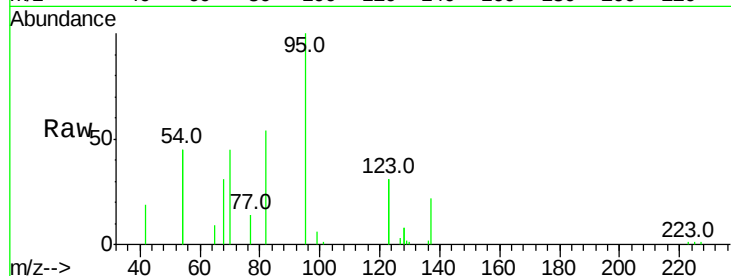
Tot Ion: 82 Resp: 7026

Ion Ratio Lower Upper

82 100

128 30.8 17.0 25.4#

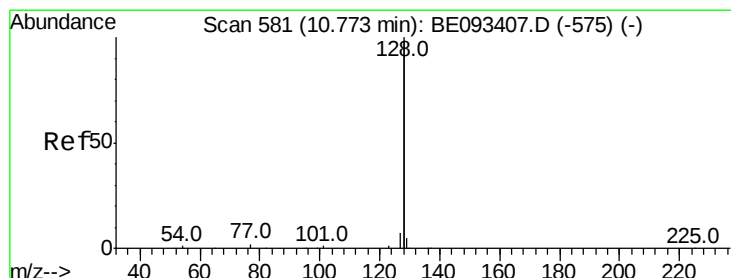
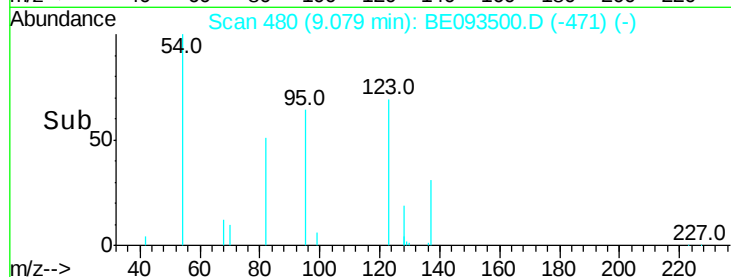
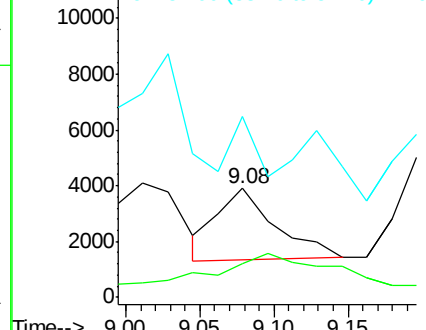
54 165.5 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093407.D (-478) (-)

Ion 128.00 (127.70 to 128.70): BE093407.D (-478) (-)

Ion 54.00 (53.70 to 54.70): BE093407.D (-478) (-)



#9

Naphthalene

Concen: 0.675 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

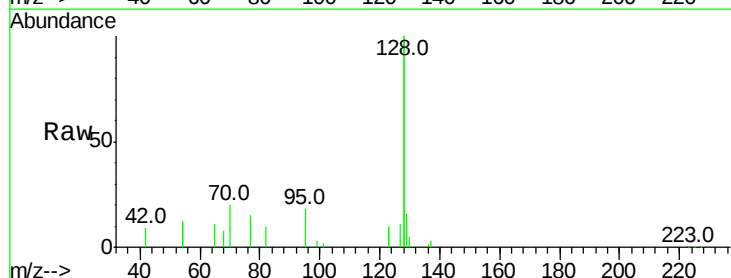
Tgt Ion: 128 Resp: 158695

Ion Ratio Lower Upper

128 100

129 8.1 11.4 17.0#

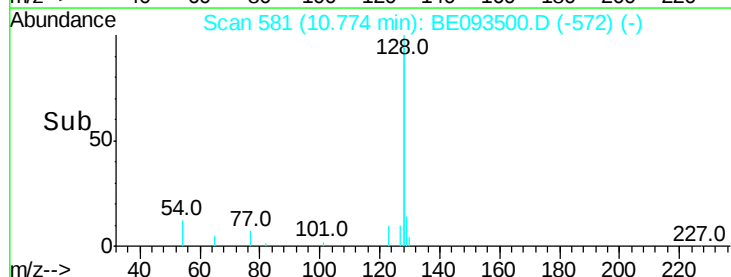
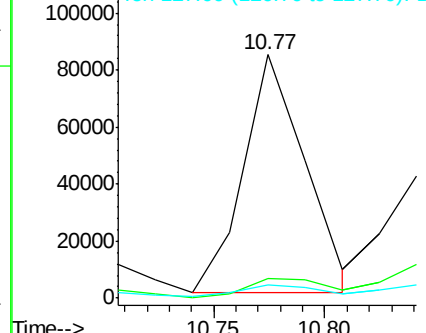
127 5.6 11.2 16.8#

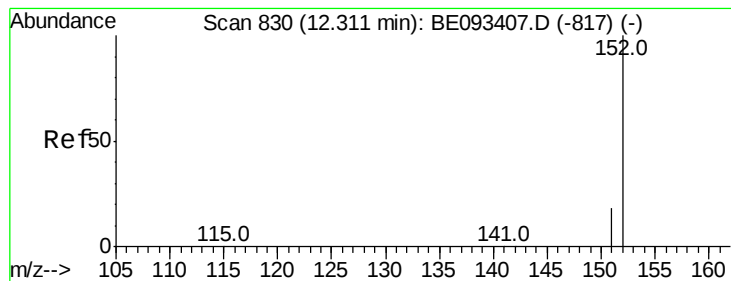


Abundance Ion 128.00 (127.70 to 128.70): BE093407.D (-575) (-)

Ion 129.00 (128.70 to 129.70): BE093407.D (-575) (-)

Ion 127.00 (126.70 to 127.70): BE093407.D (-575) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.169 ng

RT: 12.31 min Scan# 829

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

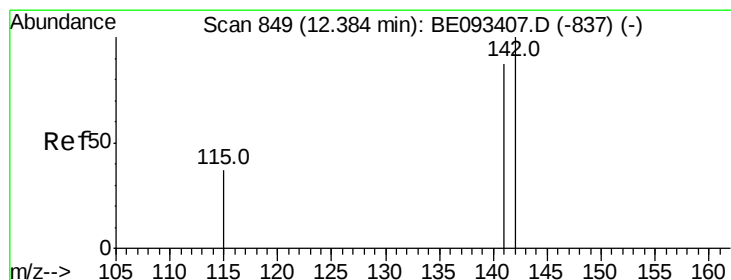
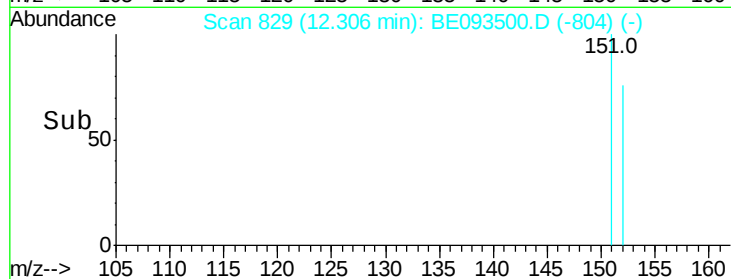
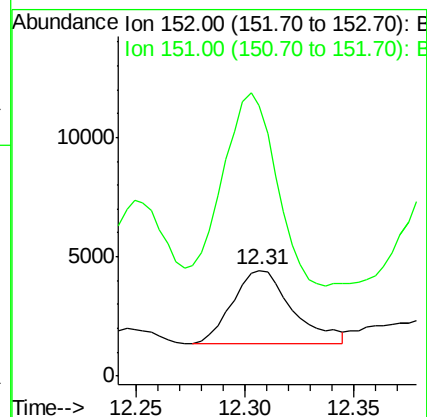
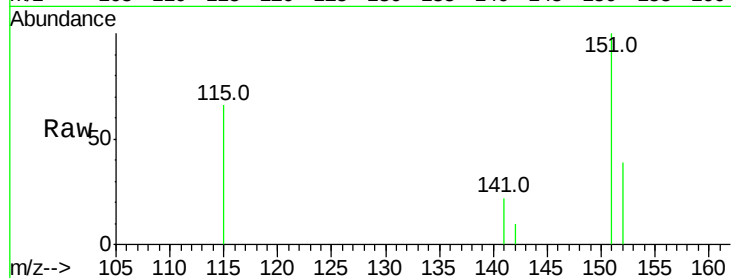
ClientSampled :

Tot Ion:152 Resp: 6034

Ion Ratio Lower Upper

152 100

151 230.4 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.212 ng

RT: 12.38 min Scan# 848

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

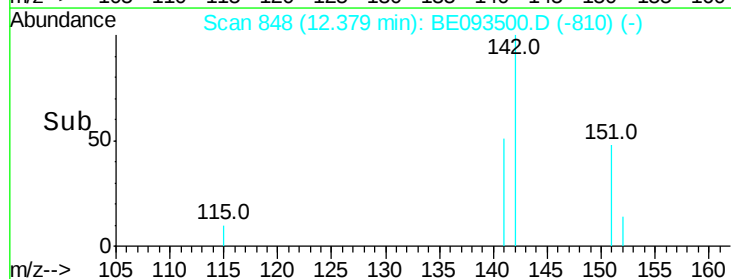
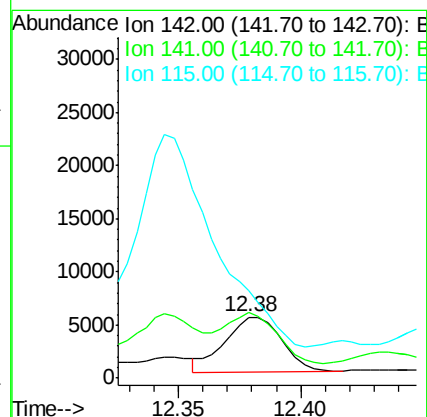
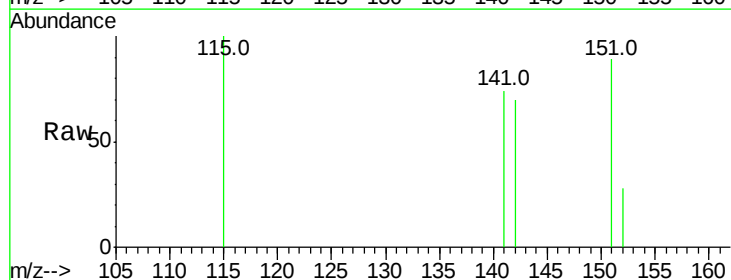
Tgt Ion:142 Resp: 8372

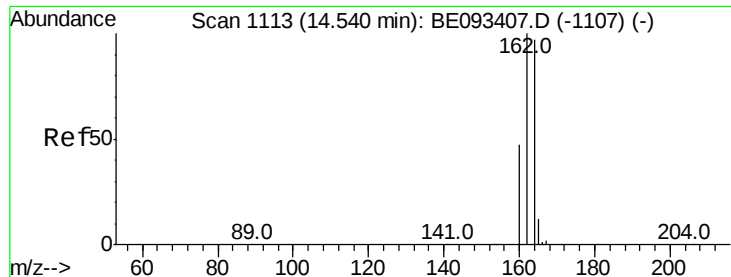
Ion Ratio Lower Upper

142 100

141 106.8 72.6 108.8

115 143.7 32.2 48.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

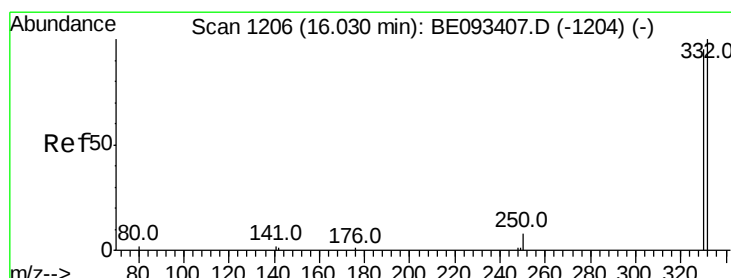
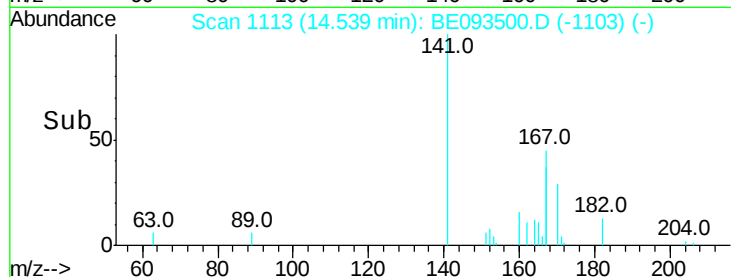
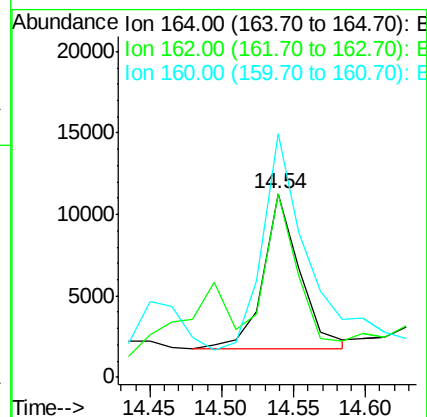
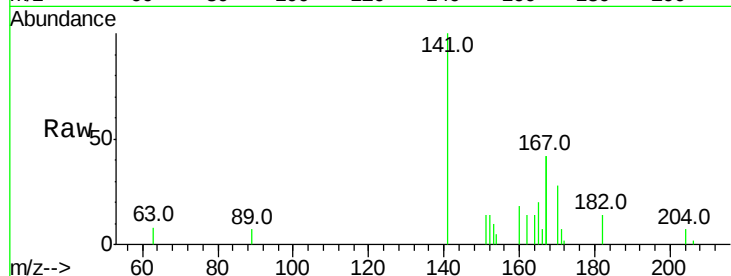
Tot Ion:164 Resp: 16843

Ion Ratio Lower Upper

164 100

162 100.2 84.6 127.0

160 132.6 41.8 62.6#



#14

2,4,6-Tribromophenol

Concen: 0.103 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

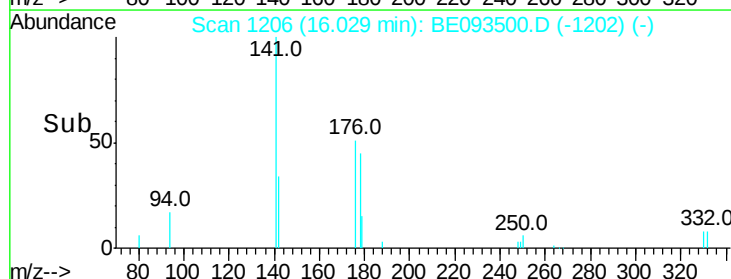
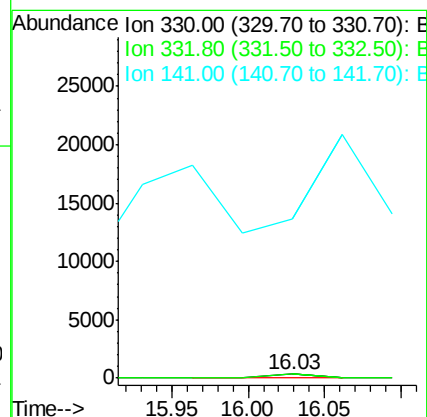
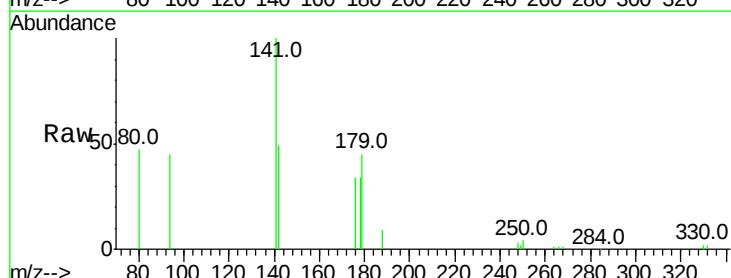
Tgt Ion:330 Resp: 544

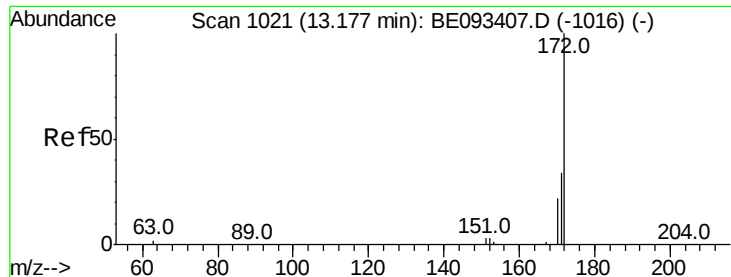
Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

141 0.0 56.2 84.4#

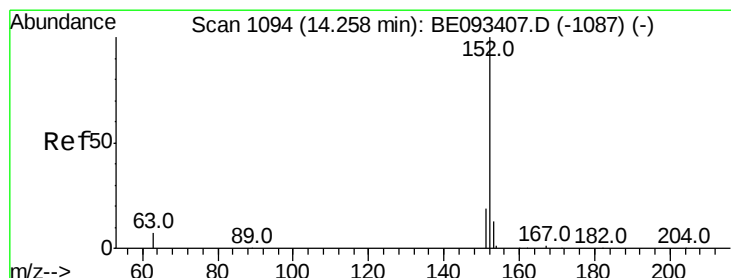
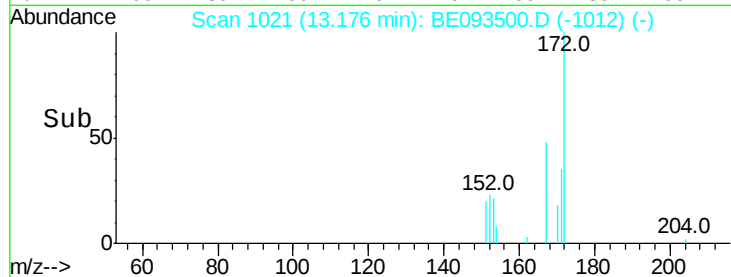
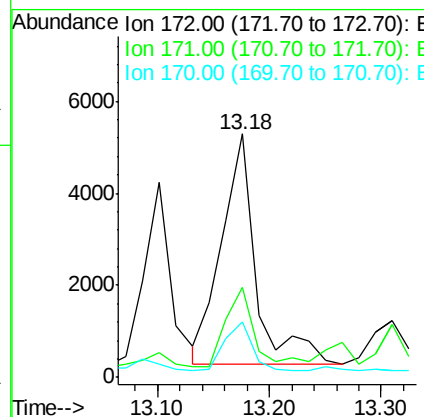
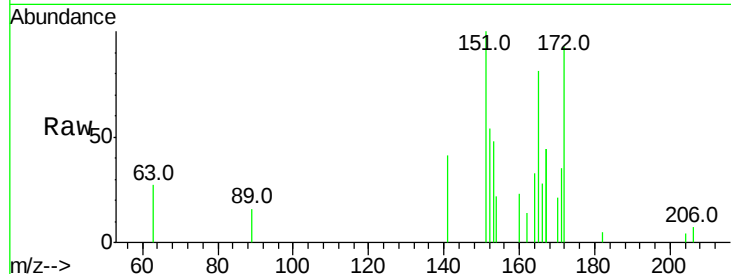




#15
2-Fluorobiphenyl
Concen: 0.164 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

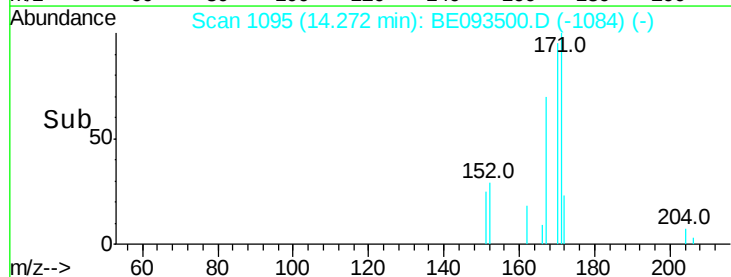
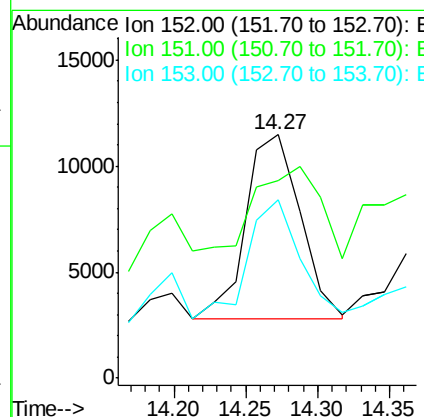
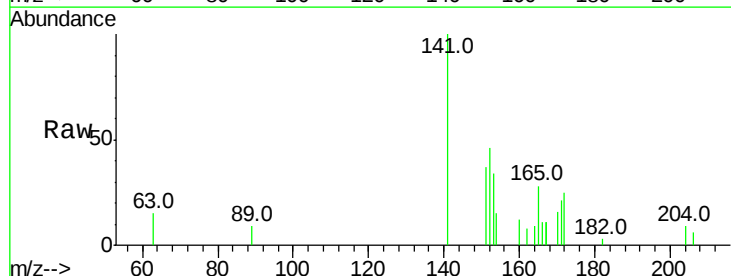
Instrument :
BNA_E
ClientSampleId :

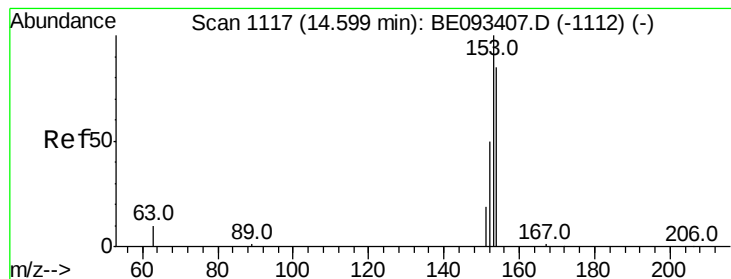
Tot Ion:172 Resp: 10698
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 22.9 20.7 31.1



#16
Acenaphthylene
Concen: 0.327 ng
RT: 14.27 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

Tgt Ion:152 Resp: 22966
Ion Ratio Lower Upper
152 100
151 61.8 4.0 6.0#
153 61.7 10.3 15.5#





#17

Acenaphthene

Concen: 1.338 ng

RT: 14.60 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

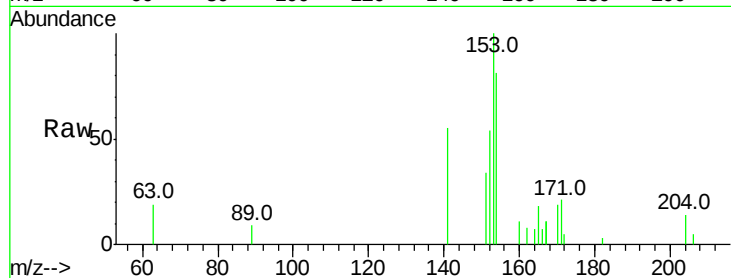
Tot Ion:154 Resp: 68770

Ion Ratio Lower Upper

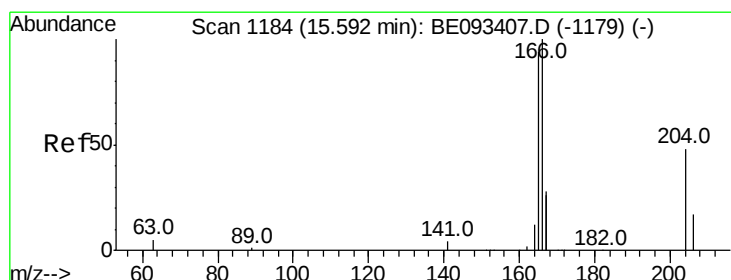
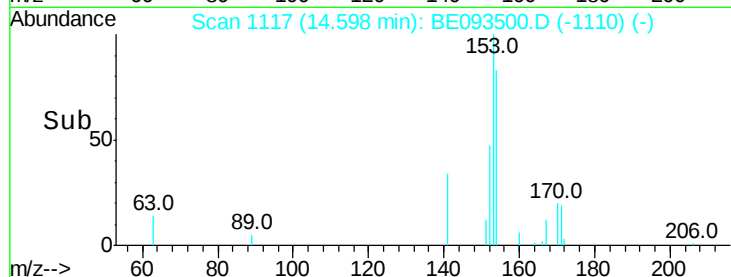
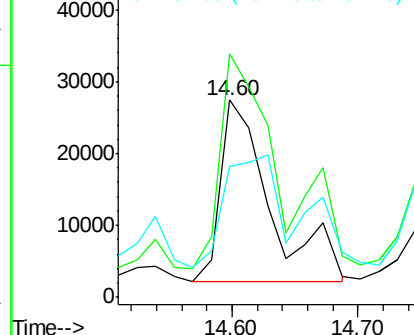
154 100

153 142.9 91.2 136.8#

152 0.0 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: 2.151 ng

RT: 15.59 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

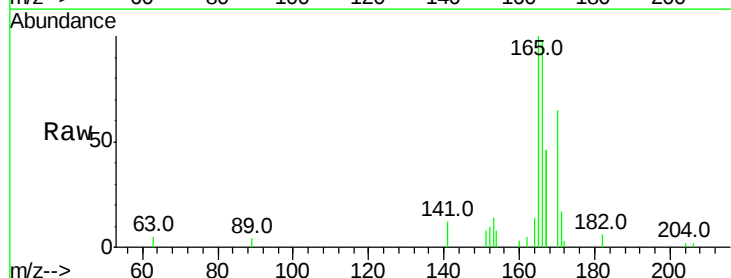
Tgt Ion:166 Resp: 151735

Ion Ratio Lower Upper

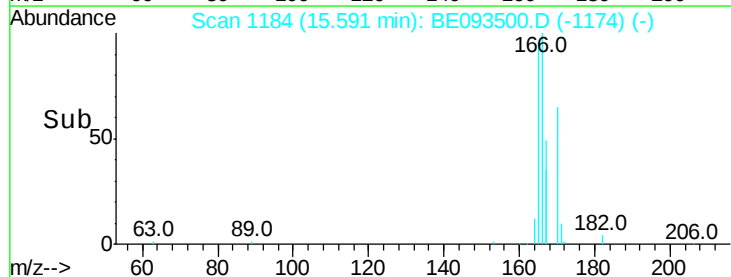
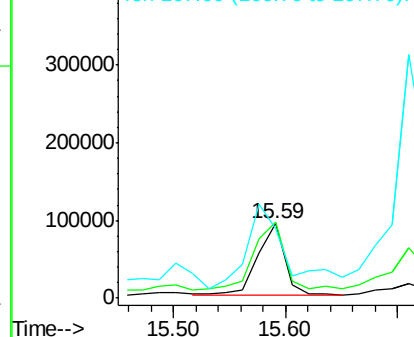
166 100

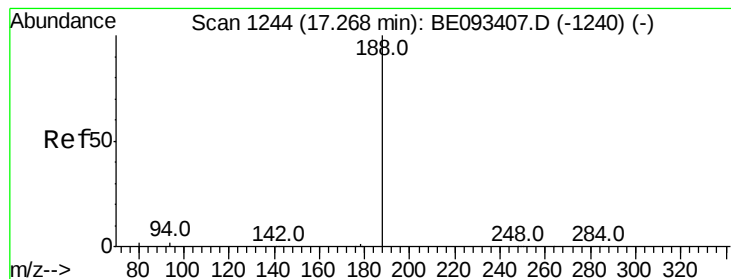
165 109.1 78.6 117.8

167 155.6 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: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

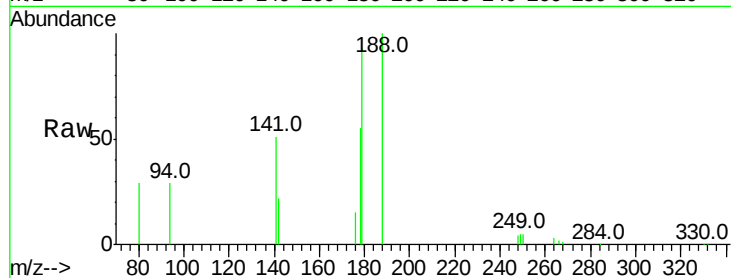
Tot Ion:188 Resp: 34946

Ion Ratio Lower Upper

188 100

94 28.6 11.3 16.9#

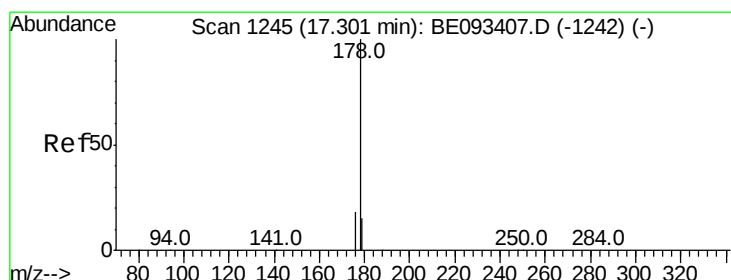
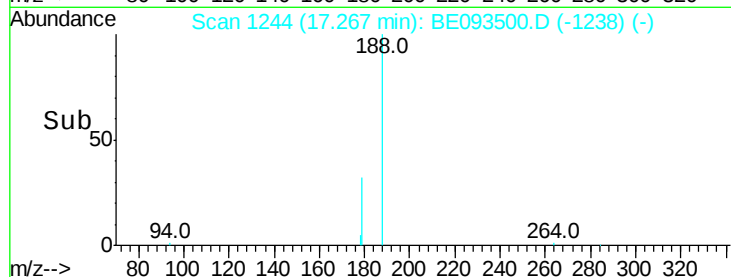
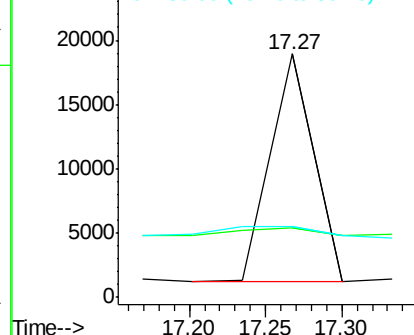
80 28.9 11.7 17.5#



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



#23

Phenanthrene

Concen: 0.936 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

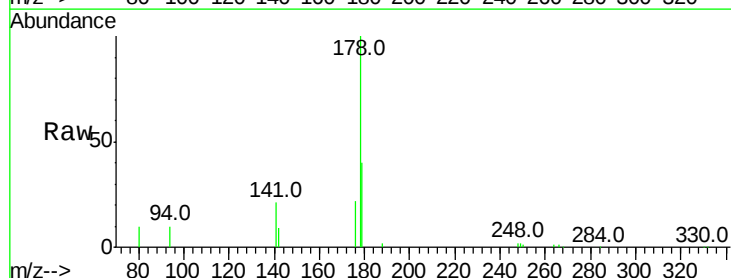
Tgt Ion:178 Resp: 118835

Ion Ratio Lower Upper

178 100

176 23.0 15.0 22.4#

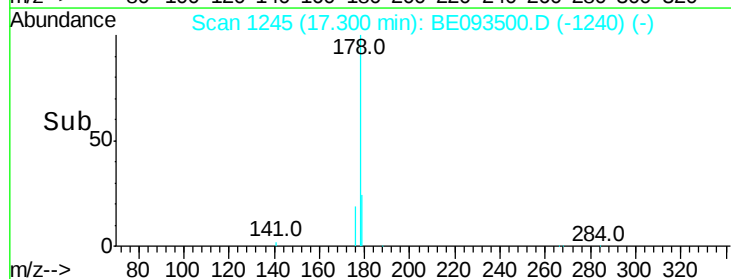
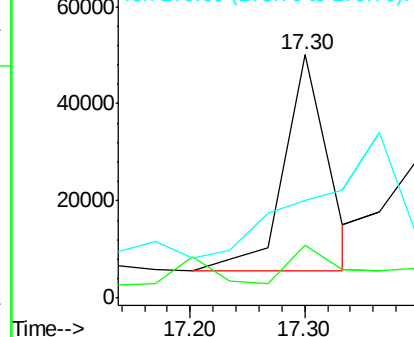
179 0.0 12.7 19.1#

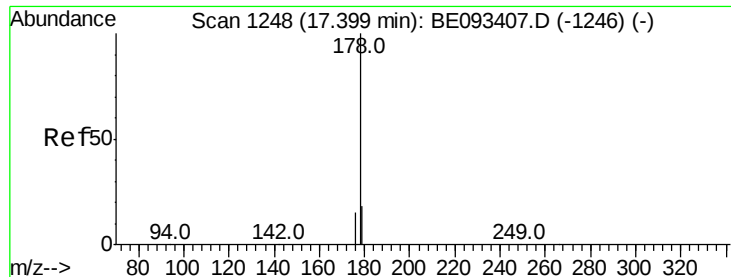


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 1.301 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampleId :

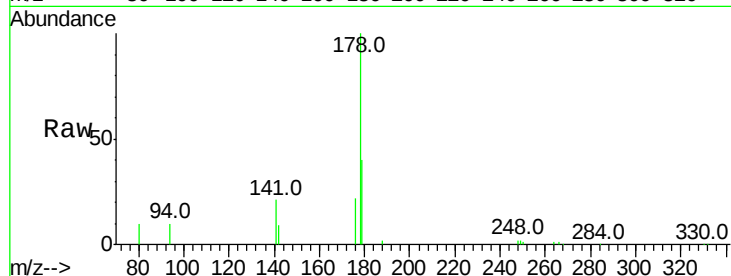
Tot Ion:178 Resp: 101309

Ion Ratio Lower Upper

178 100

176 27.0 14.6 22.0#

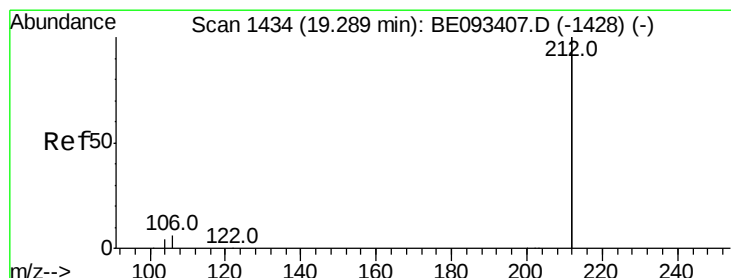
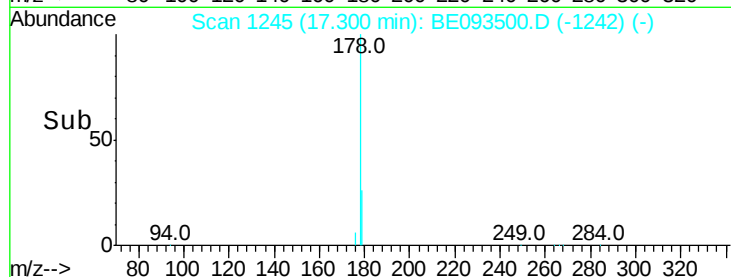
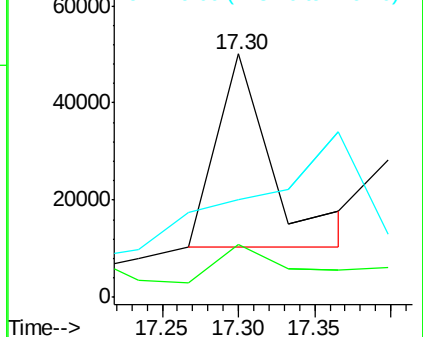
179 0.0 12.0 18.0#



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: 0.077 ng

RT: 19.29 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

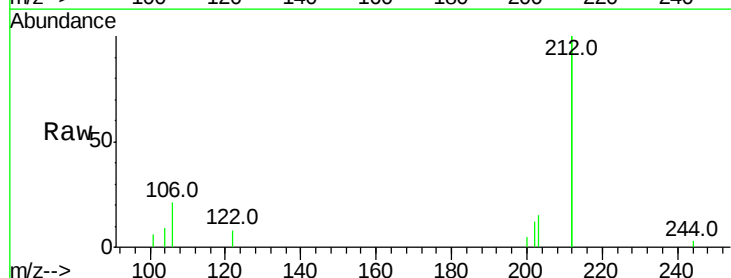
Tgt Ion:212 Resp: 32420

Ion Ratio Lower Upper

212 100

106 5.5 2.4 3.6#

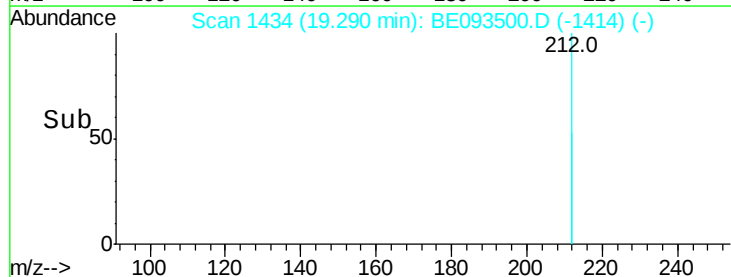
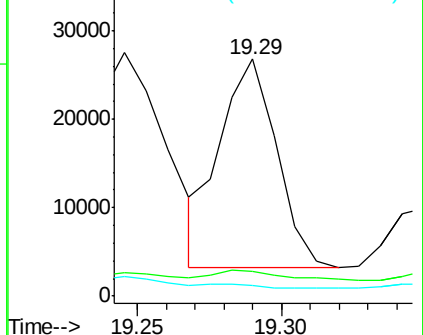
104 0.0 1.6 2.4#

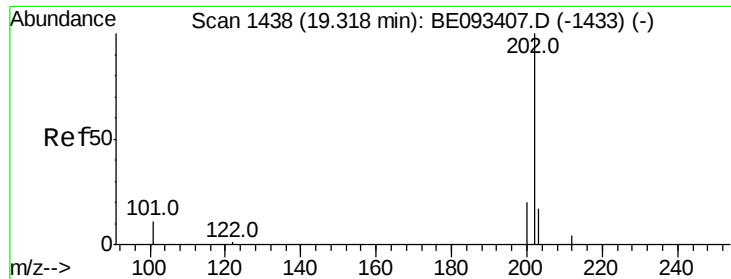


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

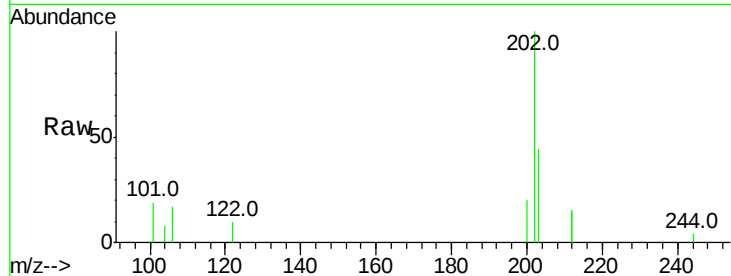




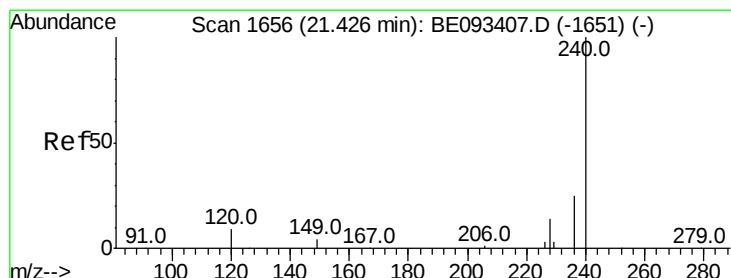
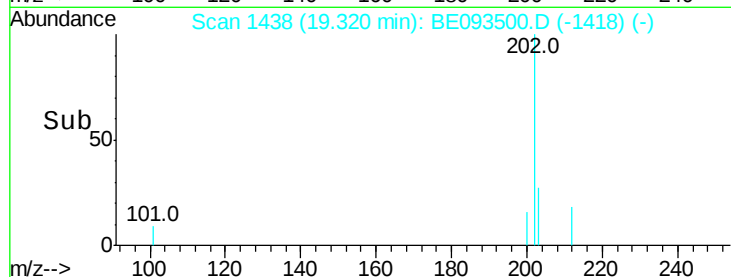
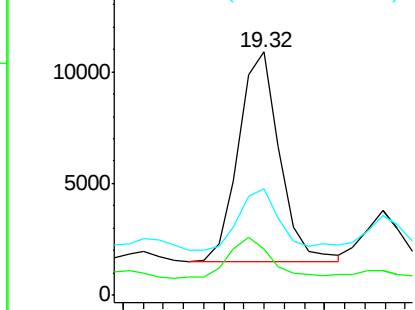
#26
 Fluoranthene
 Concen: 0.112 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BE093500.D
 Acq: 20 Jul 2017 14:17

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:202 Resp: 13331
 Ion Ratio Lower Upper
 202 100
 101 20.1 9.6 14.4#
 203 28.0 14.4 21.6#

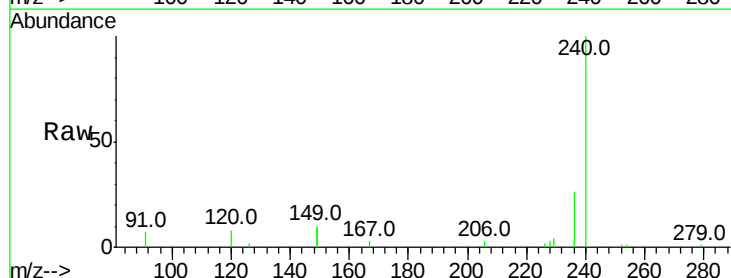


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

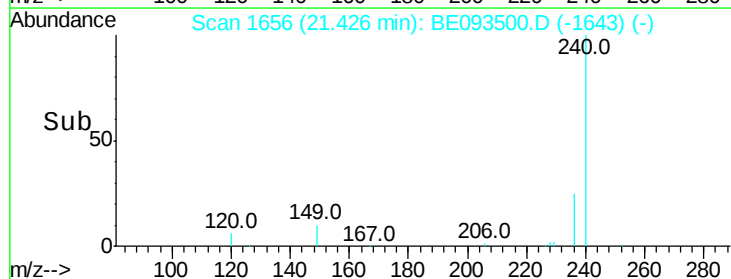
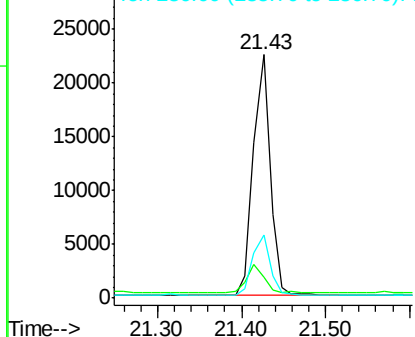


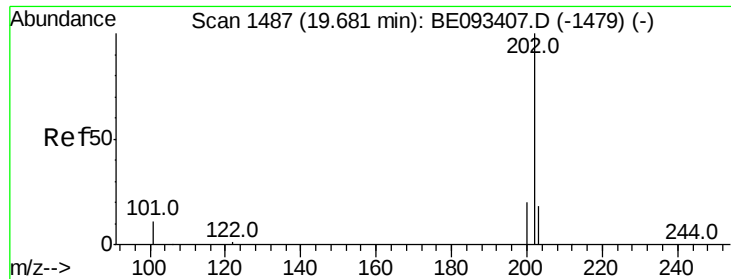
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: BE093500.D
 Acq: 20 Jul 2017 14:17

Tgt Ion:240 Resp: 31580
 Ion Ratio Lower Upper
 240 100
 120 8.5 4.6 7.0#
 236 26.2 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

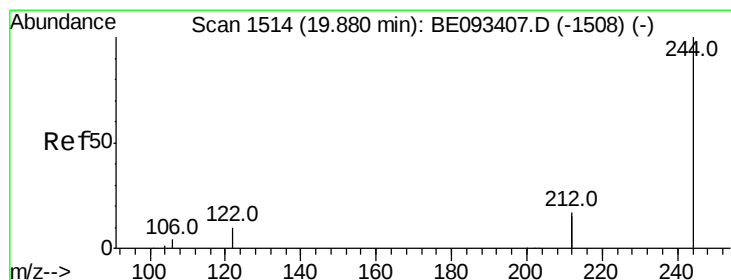
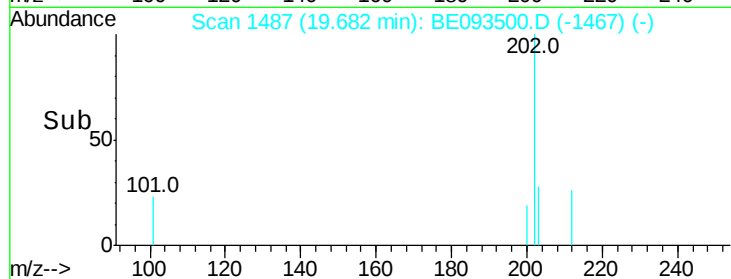
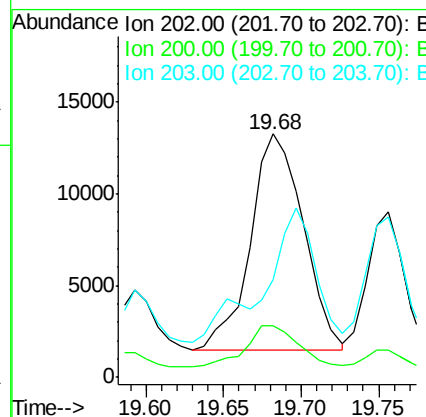
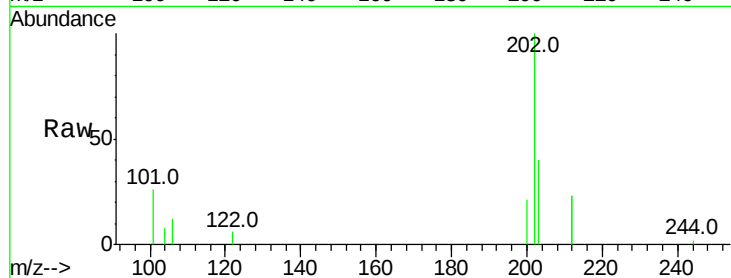




#28
Pvrene
Concen: 0.313 ng
RT: 19.68 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

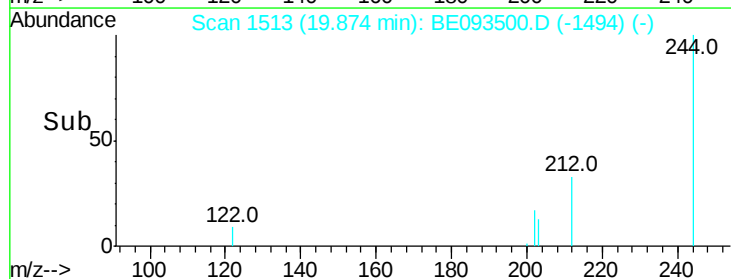
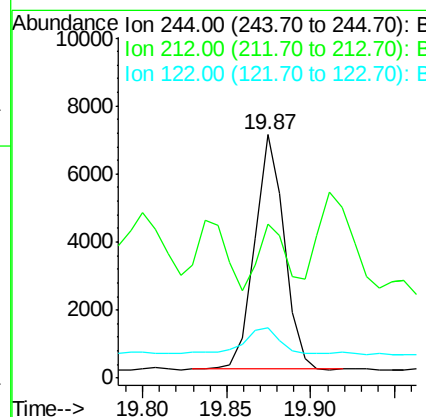
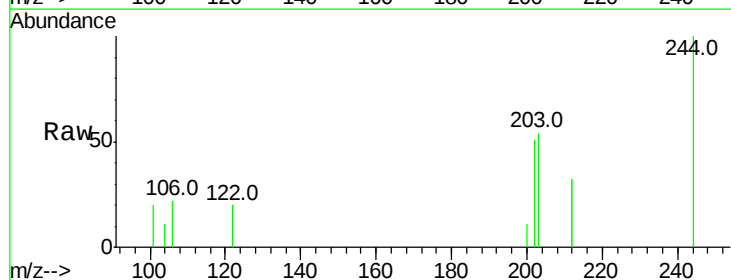
Instrument :
BNA_E
ClientSampleId :

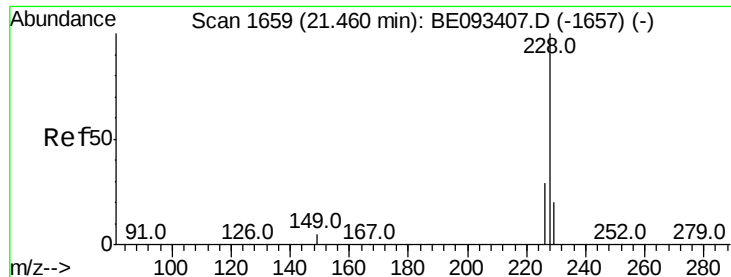
Tot Ion:202 Resp: 27810
Ion Ratio Lower Upper
202 100
200 19.6 0.0 0.0#
203 0.0 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.150 ng
RT: 19.87 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

Tgt Ion:244 Resp: 8442
Ion Ratio Lower Upper
244 100
212 63.1 10.6 16.0#
122 20.4 15.4 23.0





#31

Chrysene

Concen: 0.025 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

Instrument :

BNA_E

ClientSampled :

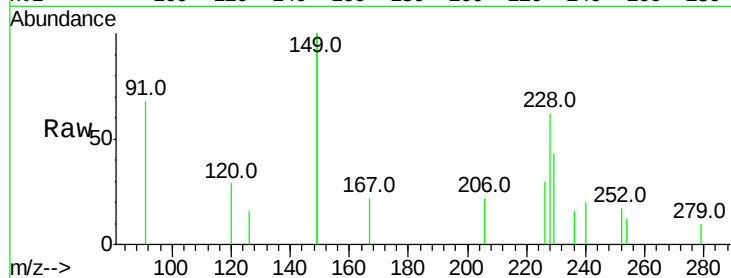
Tot Ion:228 Resp: 2243

Ion Ratio Lower Upper

228 100

226 48.0 21.5 32.3#

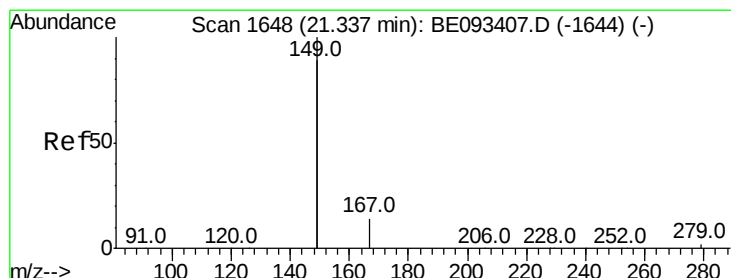
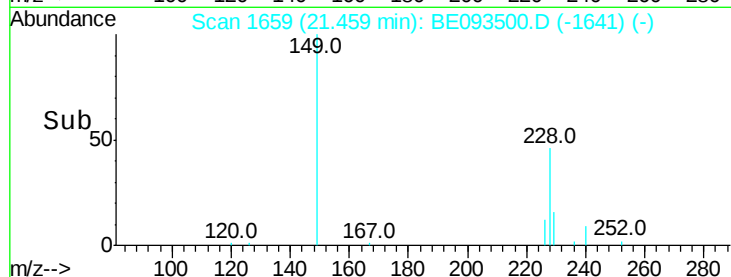
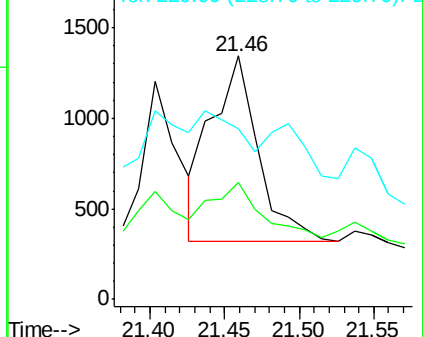
229 70.0 18.6 28.0#



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: 0.108 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093500.D

Acq: 20 Jul 2017 14:17

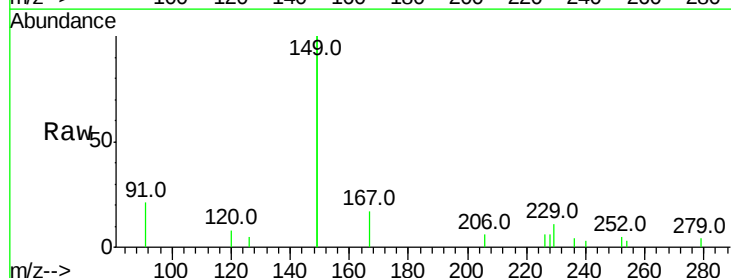
Tgt Ion:149 Resp: 13262

Ion Ratio Lower Upper

149 100

167 9.0 20.1 30.1#

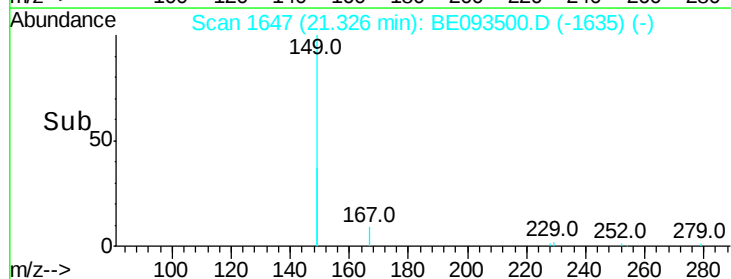
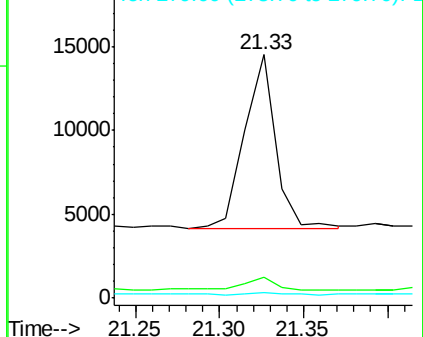
279 0.9 2.2 3.4#

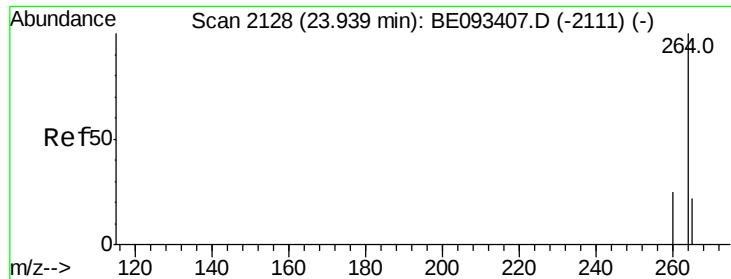


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
Pervlone-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BE093500.D
Acq: 20 Jul 2017 14:17

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 28506
Ion Ratio Lower Upper
264 100
260 25.3 21.0 31.4
265 35.0 24.6 36.8

