

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093926.D
 Acq On : 2 Sep 2017 9:01
 Operator : SJ/JU
 Sample : I4963-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3833-PA4

Quant Time: Sep 04 01:04:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 01 16:31:36 2017
 Response via : Initial Calibration

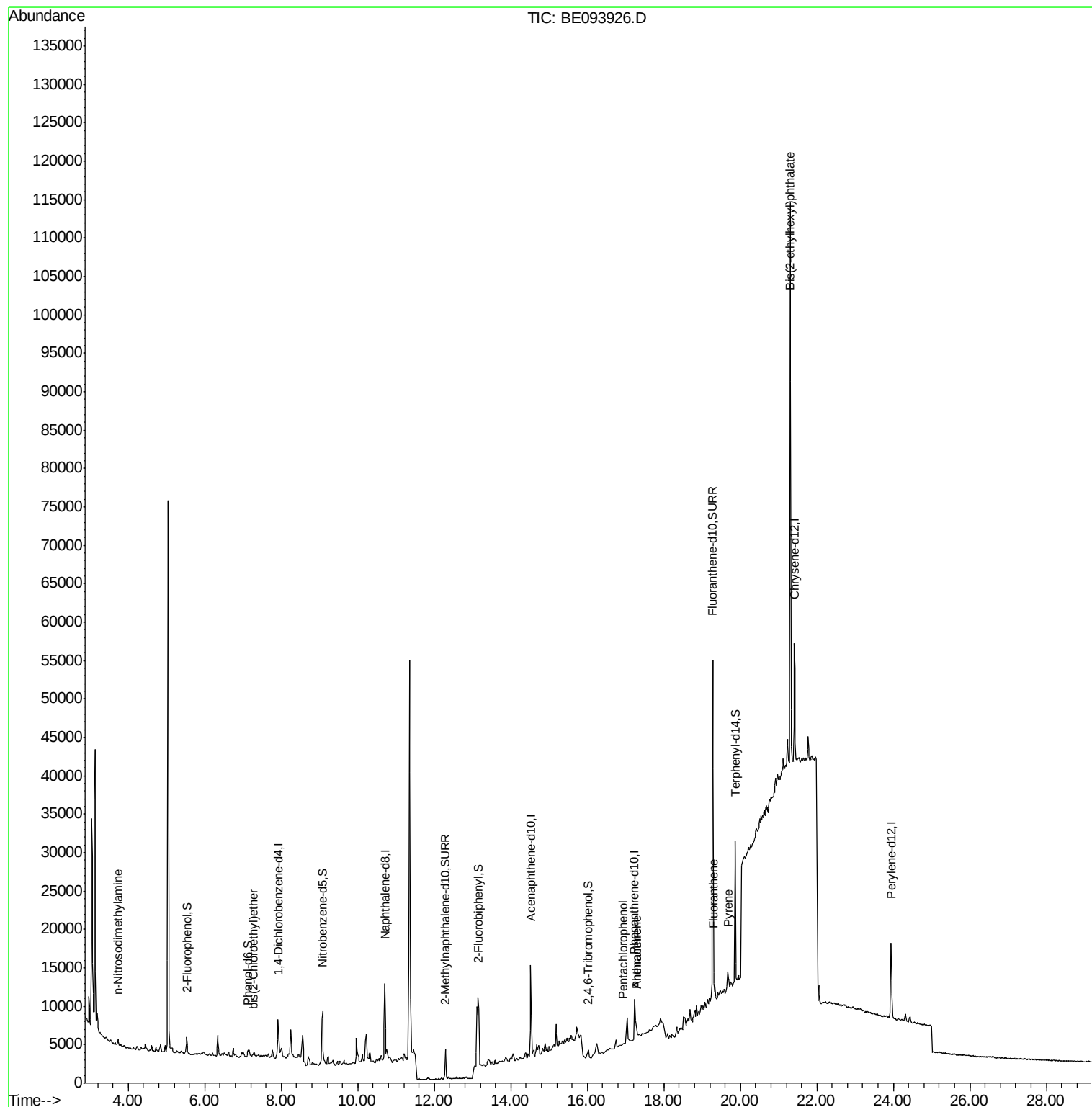
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2343	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	11916	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	7079	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	9898	0.40	ng	0.00
27) Chrysene-d12	21.42	240	17128	0.40	ng	0.00
34) Perylene-d12	23.94	264	14623	0.40	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1108	0.15	ng	0.01
5) Phenol-d6	7.13	99	1501	0.14	ng	0.04
8) Nitrobenzene-d5	9.08	82	3404	0.34	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	5767	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	941	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	9838	0.35	ng	0.00
25) Fluoranthene-d10	19.28	212	58074	0.51	ng	0.00
29) Terphenyl-d14	19.87	244	15913	0.51	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.73	42	145	0.040	ng	# 1
6) bis(2-Chloroethyl)ether	7.27	93	735	0.087	ng	# 1
20) 4-Bromophenyl-phenylether	16.58	248	162	Below Cal		# 1
22) Pentachlorophenol	16.94	266	154	0.099	ng	# 69
23) Phenanthrene	17.30	178	2169	0.086	ng	# 63
24) Anthracene	17.30	178	1799	0.060	ng	# 73
26) Fluoranthene	19.31	202	1954	0.057	ng	# 75
28) Pyrene	19.67	202	2601	0.045	ng	# 65
32) Bis(2-ethylhexyl)phthalate	21.30	149	90158	0.841	ng	100

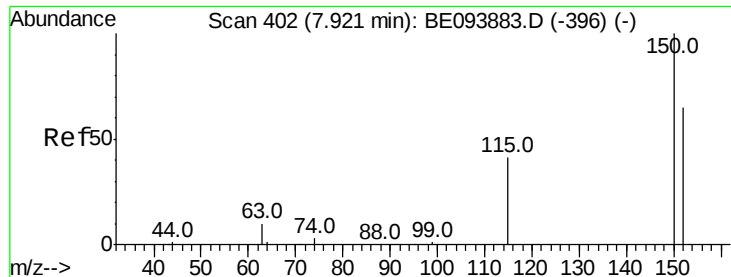
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

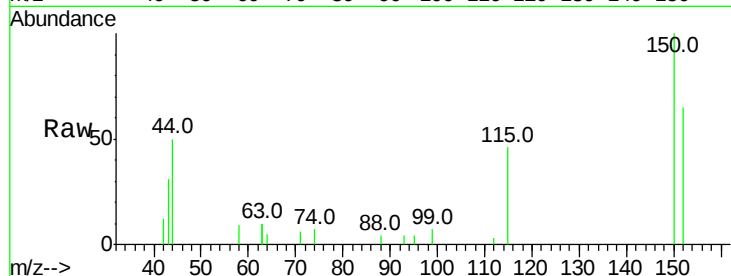
Tot Ion:152 Resp: 2343

Ion Ratio Lower Upper

152 100

150 155.0 121.8 182.6

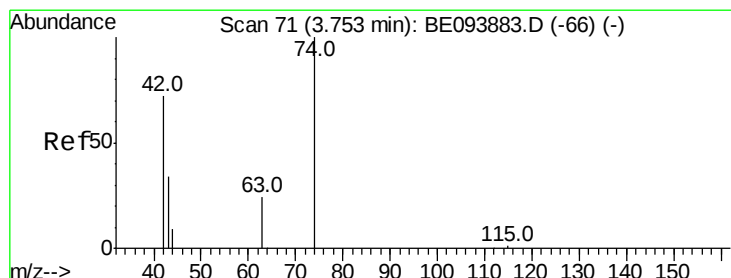
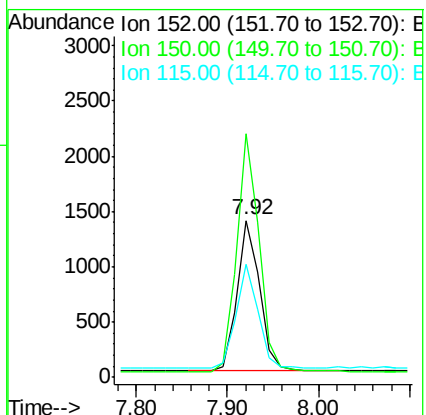
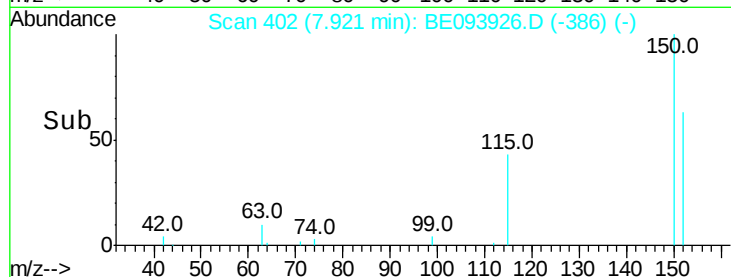
115 71.6 52.6 79.0



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: 0.040 ng

RT: 3.73 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

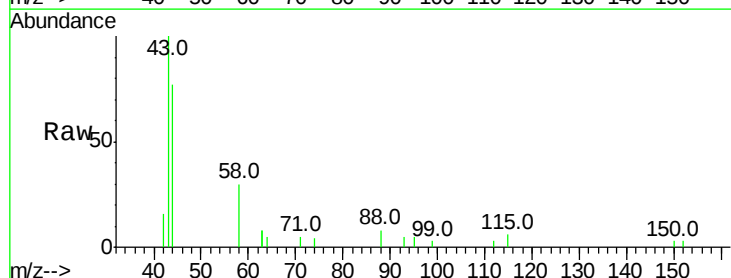
Tgt Ion: 42 Resp: 145

Ion Ratio Lower Upper

42 100

74 0.0 104.0 156.0#

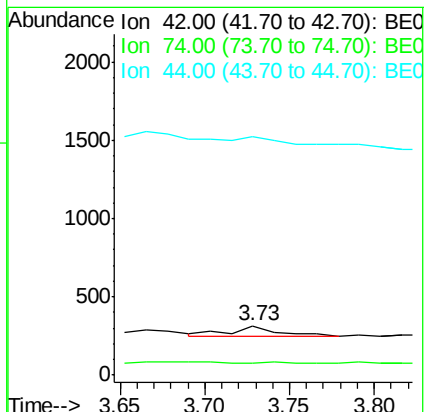
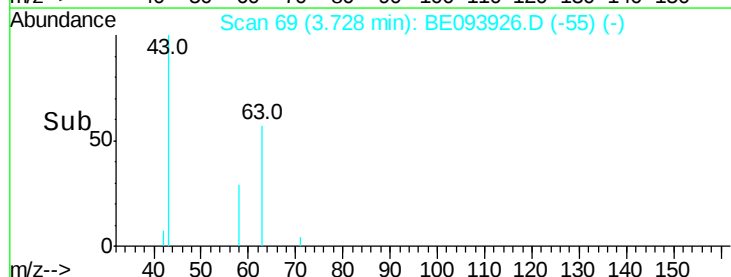
44 0.0 13.8 20.8#

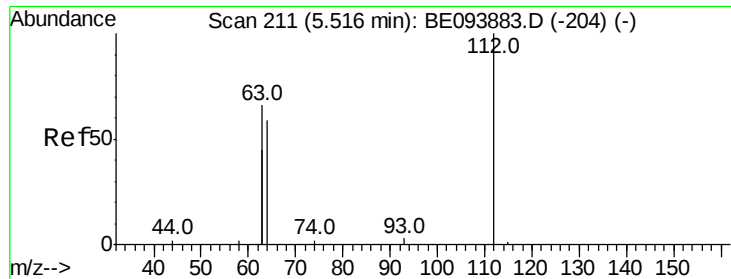


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.154 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

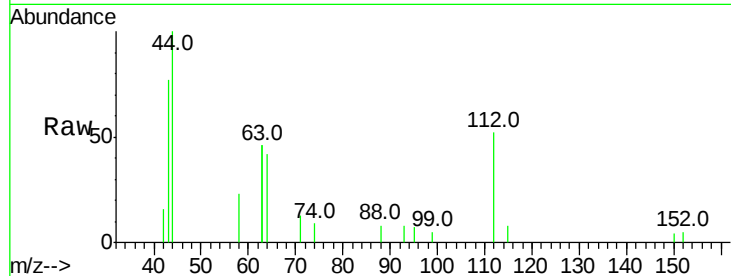
Tot Ion: 112 Resp: 1108

Ion Ratio Lower Upper

112 100

64 71.8 57.7 86.5

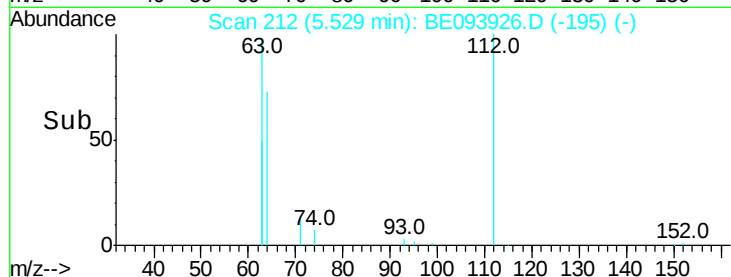
63 155.4 116.0 174.0



Abundance Ion 112.00 (111.70 to 112.70): BE093883.D (-204) (-)

Ion 64.00 (63.70 to 64.70): BE093883.D (-204) (-)

Ion 63.00 (62.70 to 63.70): BE093883.D (-204) (-)

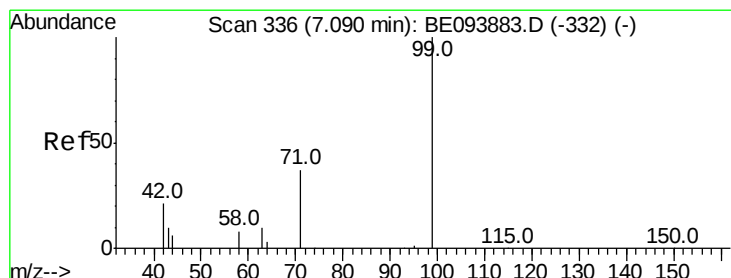


Abundance Ion 112.00 (111.70 to 112.70): BE093926.D (-195) (-)

Ion 64.00 (63.70 to 64.70): BE093926.D (-195) (-)

Ion 63.00 (62.70 to 63.70): BE093926.D (-195) (-)

Time-->



#5

Phenol-d6

Concen: 0.136 ng

RT: 7.13 min Scan# 339

Delta R.T. 0.04 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

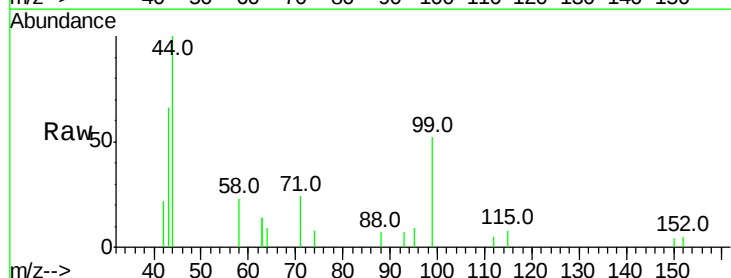
Tgt Ion: 99 Resp: 1501

Ion Ratio Lower Upper

99 100

42 0.0 17.1 25.7#

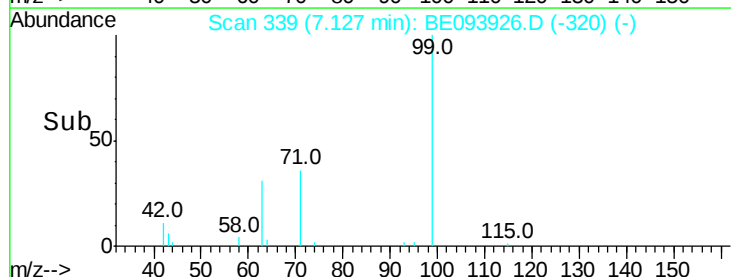
71 38.8 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BE093883.D (-332) (-)

Ion 42.00 (41.70 to 42.70): BE093883.D (-332) (-)

Ion 71.00 (70.70 to 71.70): BE093883.D (-332) (-)

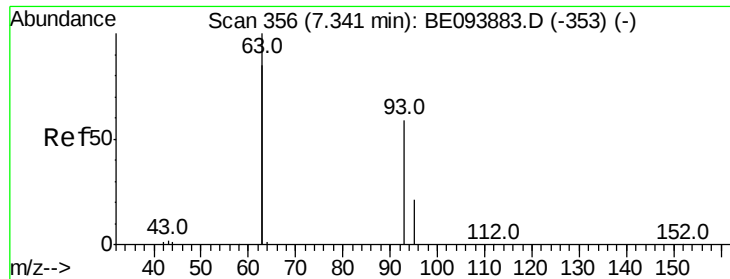


Abundance Ion 99.00 (98.70 to 99.70): BE093926.D (-320) (-)

Ion 42.00 (41.70 to 42.70): BE093926.D (-320) (-)

Ion 71.00 (70.70 to 71.70): BE093926.D (-320) (-)

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.087 ng

RT: 7.27 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

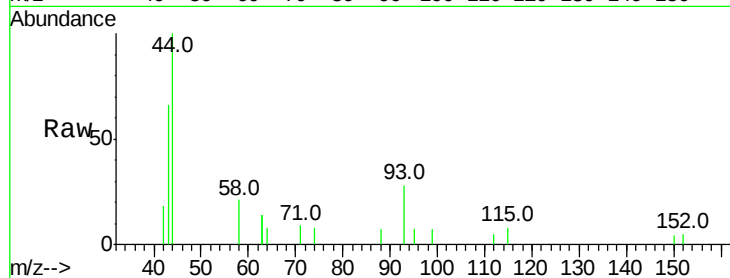
Tot Ion: 93 Resp: 735

Ion Ratio Lower Upper

93 100

63 17.3 283.4 425.2#

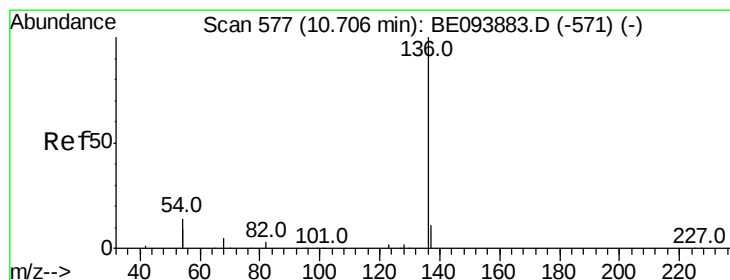
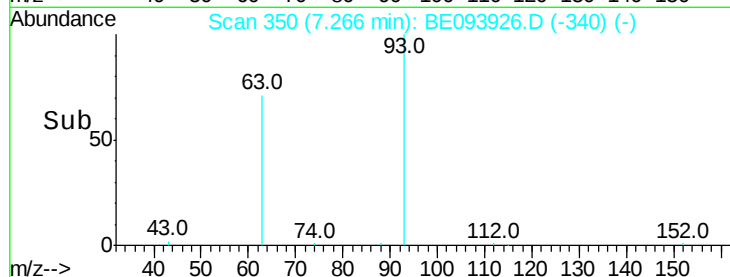
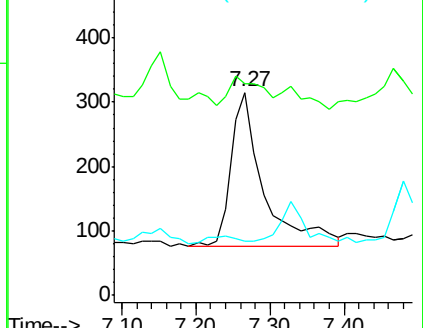
95 0.0 26.9 40.3#



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: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Tgt Ion: 136 Resp: 11916

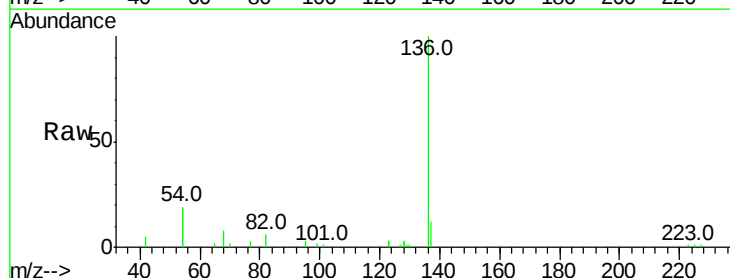
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 38.7 21.9 32.9#

68 8.1 4.6 7.0#

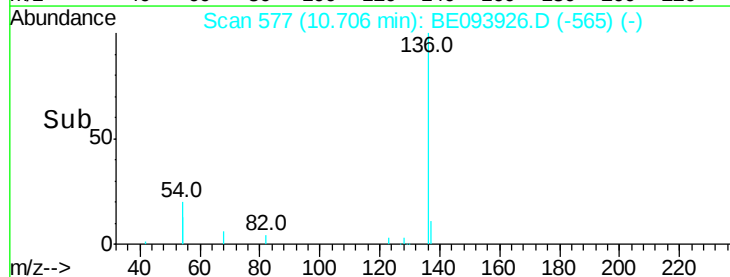
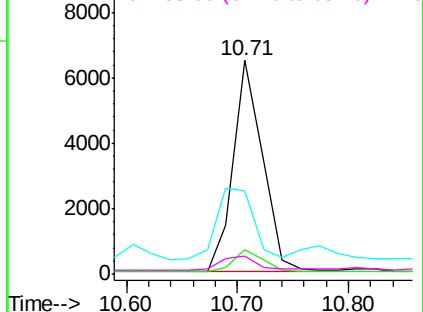


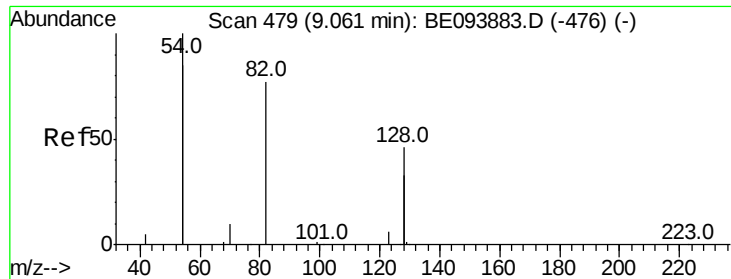
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.343 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

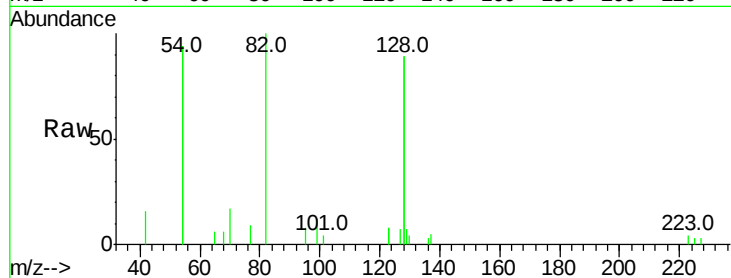
Tot Ion: 82 Resp: 3404

Ion Ratio Lower Upper

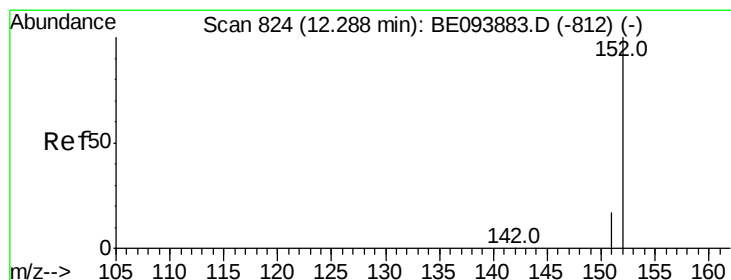
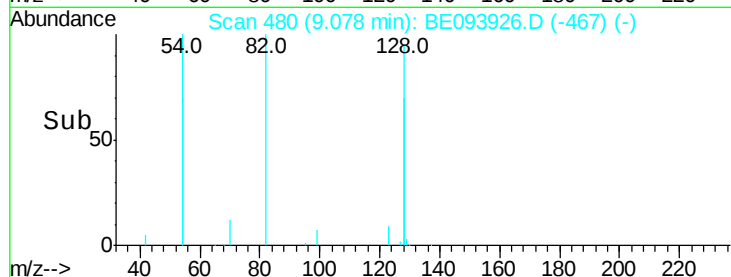
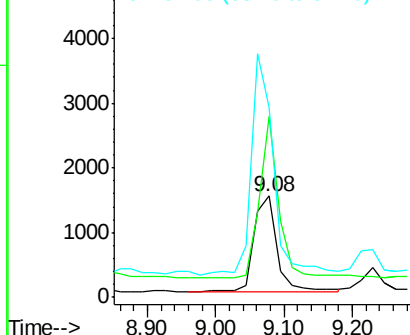
82 100

128 178.9 91.4 137.0#

54 187.7 197.8 296.8#



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



#11

2-Methylnaphthalene-d10

Concen: 0.306 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE093926.D

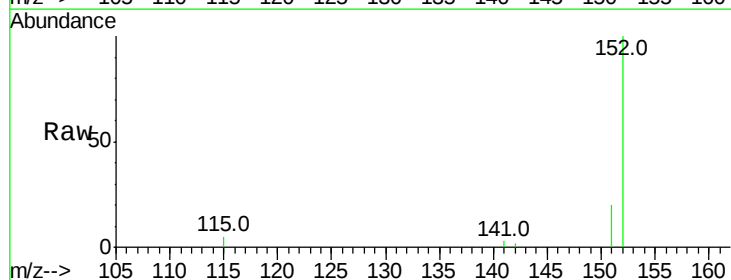
Acq: 2 Sep 2017 9:01

Tgt Ion: 152 Resp: 5767

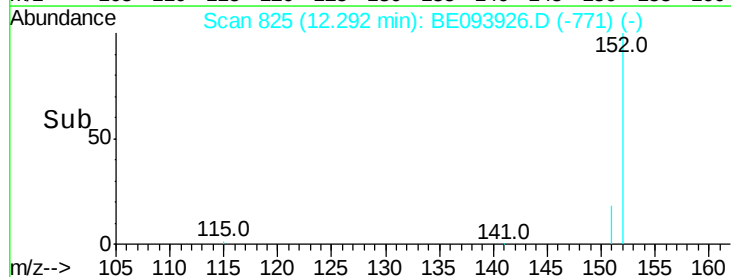
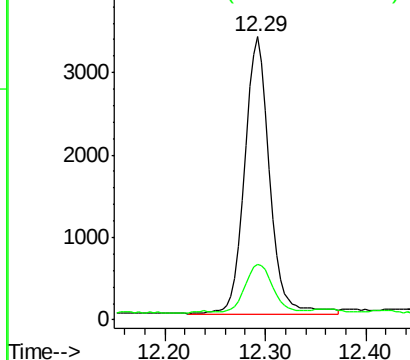
Ion Ratio Lower Upper

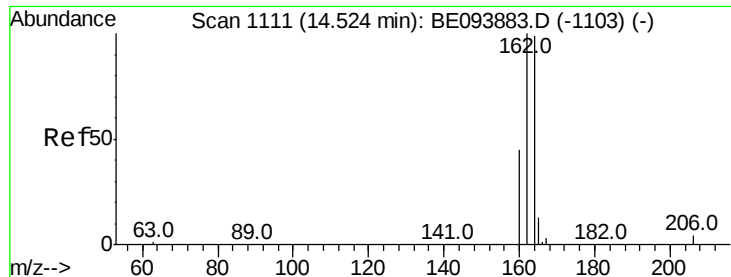
152 100

151 20.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.52 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

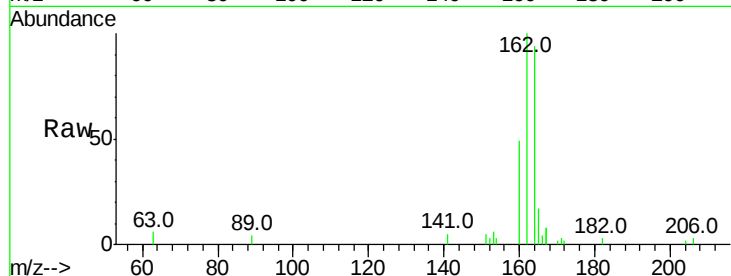
Tot Ion:164 Resp: 7079

Ion Ratio Lower Upper

164 100

162 106.2 80.8 121.2

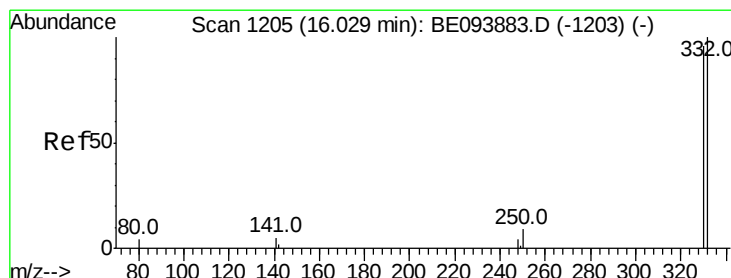
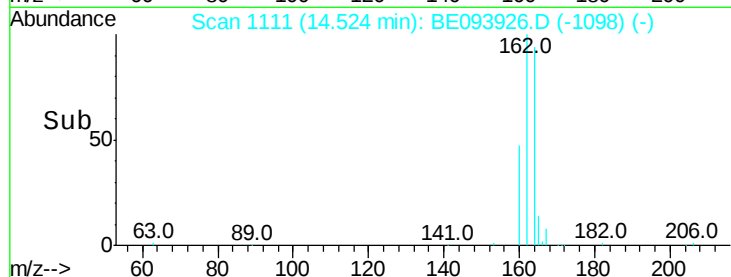
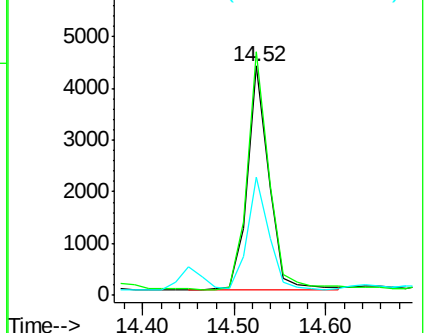
160 51.8 37.0 55.4



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: 0.496 ng

RT: 16.03 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

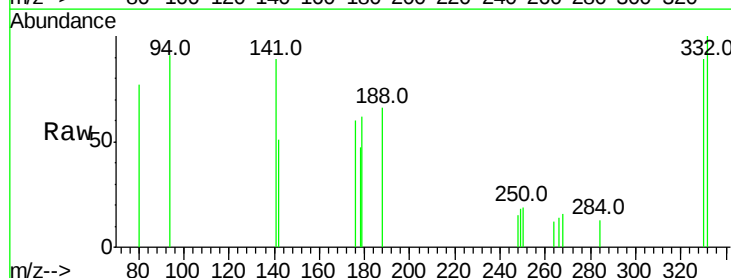
Tgt Ion:330 Resp: 941

Ion Ratio Lower Upper

330 100

332 107.9 76.9 115.3

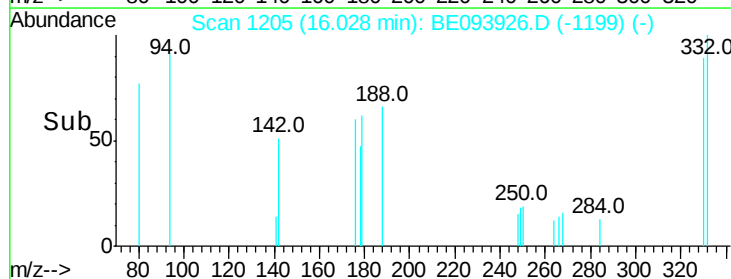
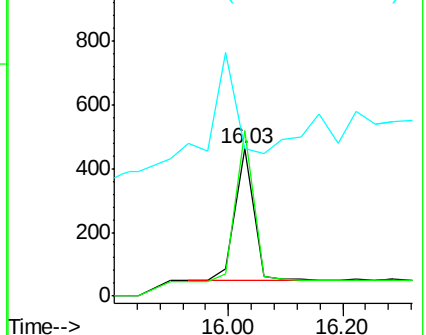
141 0.0 0.0 0.0

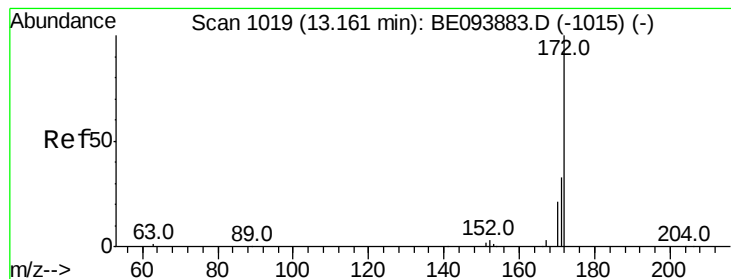


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.349 ng

RT: 13.16 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

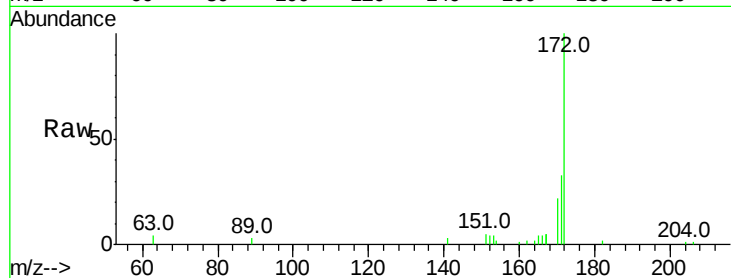
Tot Ion:172 Resp: 9838

Ion Ratio Lower Upper

172 100

171 33.5 26.9 40.3

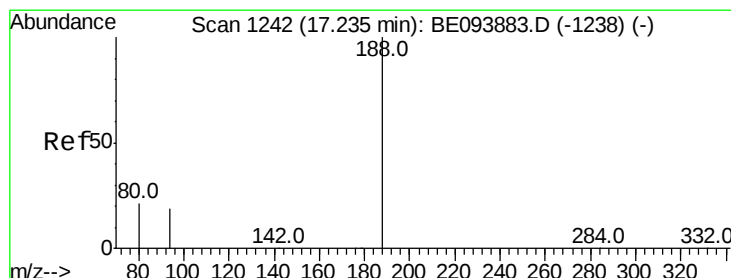
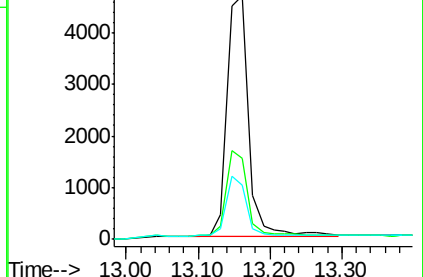
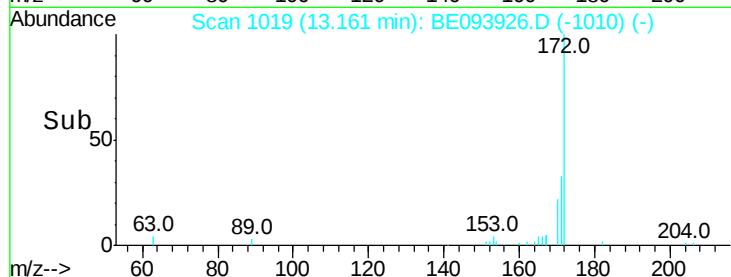
170 22.0 17.3 25.9



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

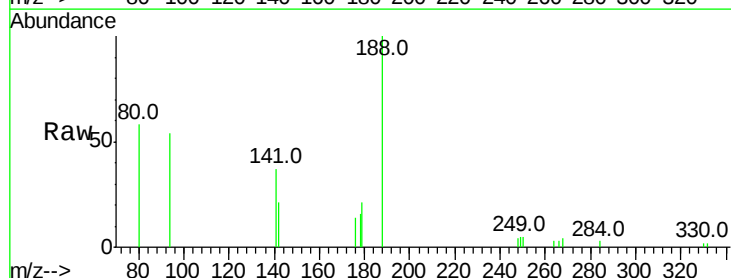
Tgt Ion:188 Resp: 9898

Ion Ratio Lower Upper

188 100

94 53.6 16.1 24.1#

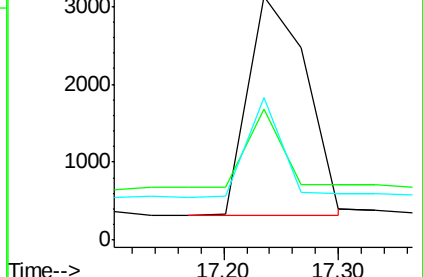
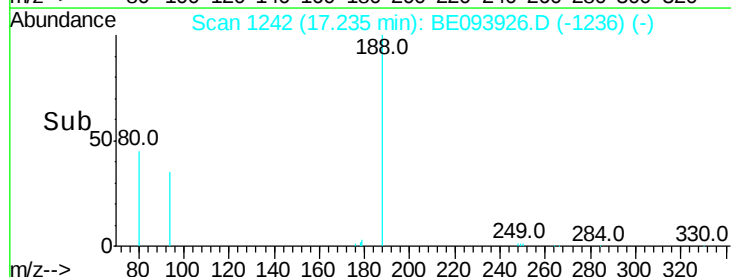
80 58.5 18.2 27.2#

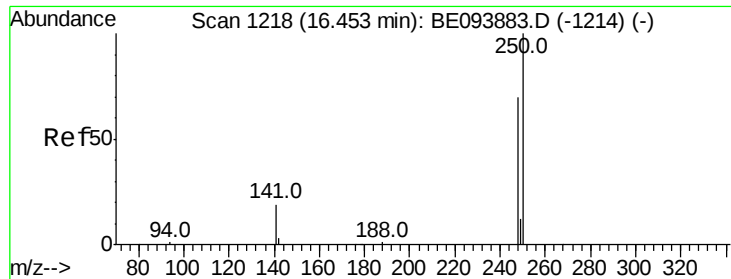


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

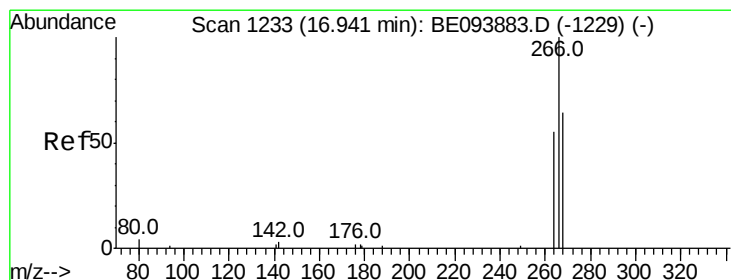
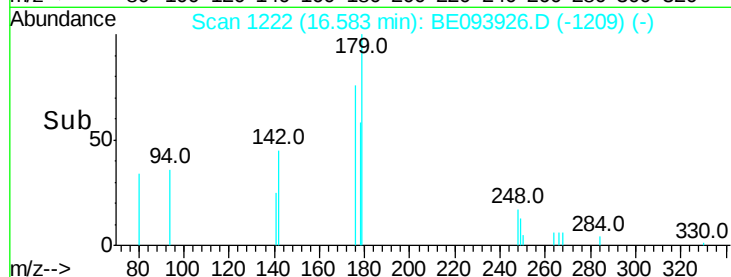
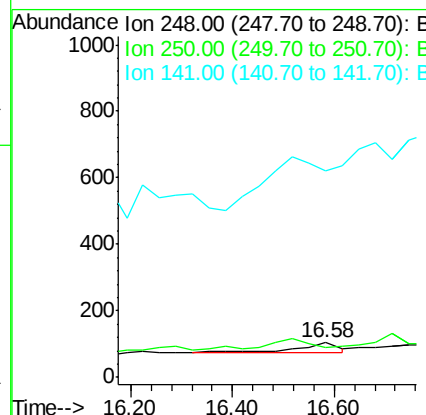
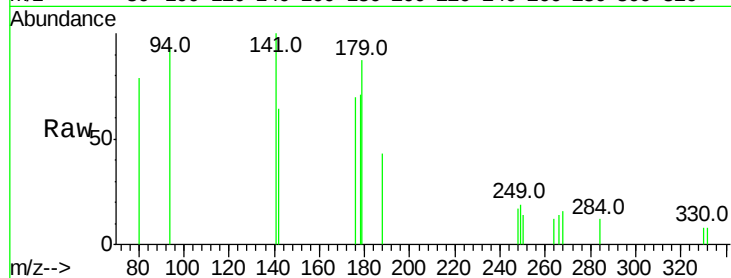




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.58 min Scan# 1222
Delta R.T. 0.13 min
Lab File: BE093926.D
Acq: 2 Sep 2017 9:01

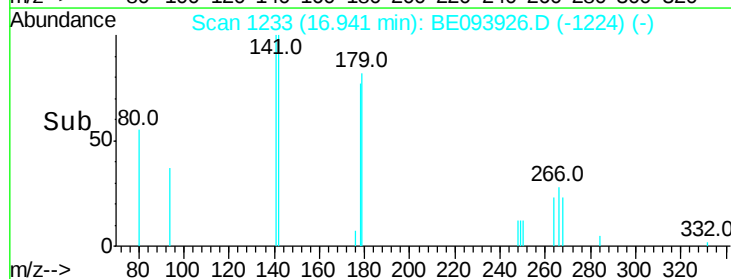
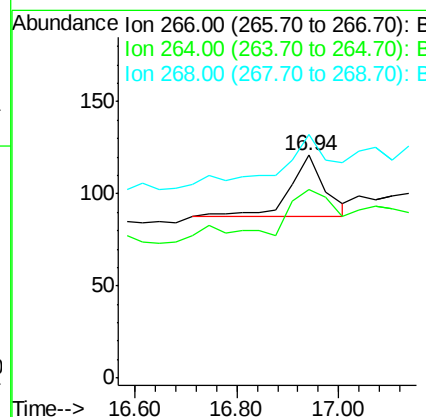
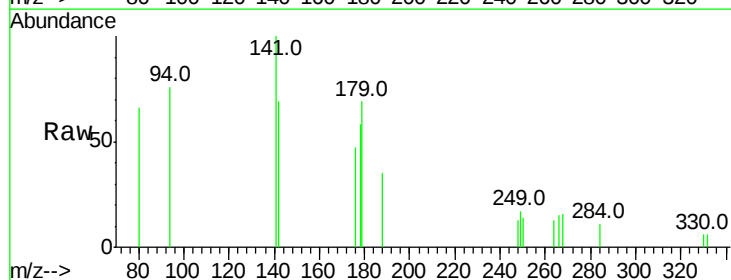
Instrument :
BNA_E
ClientSampled :
3833-PA4

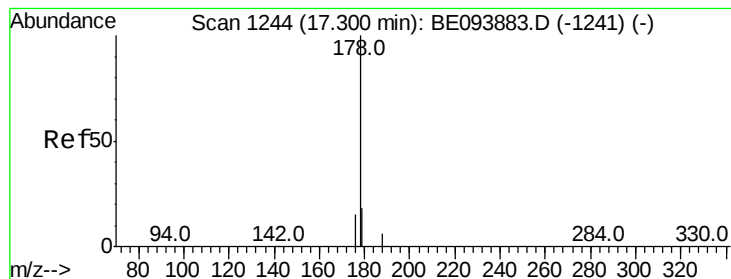
Tot Ion:248 Resp: 162
Ion Ratio Lower Upper
248 100
250 86.5 111.8 167.8#
141 598.1 27.1 40.7#



#22
Pentachlorophenol
Concen: 0.099 ng
RT: 16.94 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093926.D
Acq: 2 Sep 2017 9:01

Tgt Ion:266 Resp: 154
Ion Ratio Lower Upper
266 100
264 84.3 53.5 80.3#
268 109.1 60.0 90.0#





#23

Phenanthrene

Concen: 0.086 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

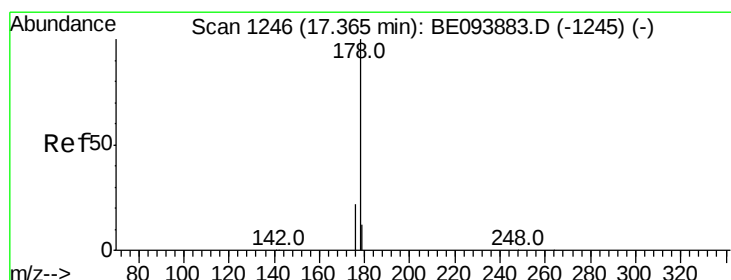
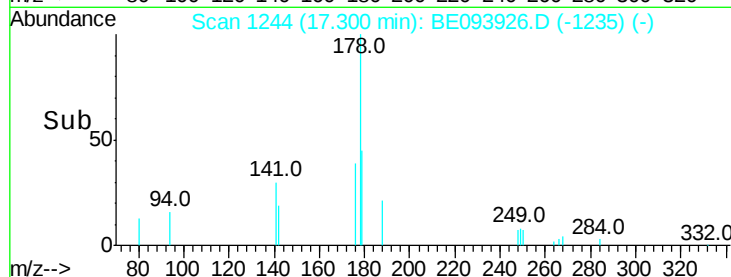
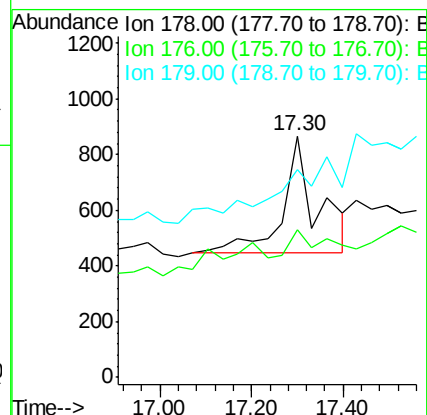
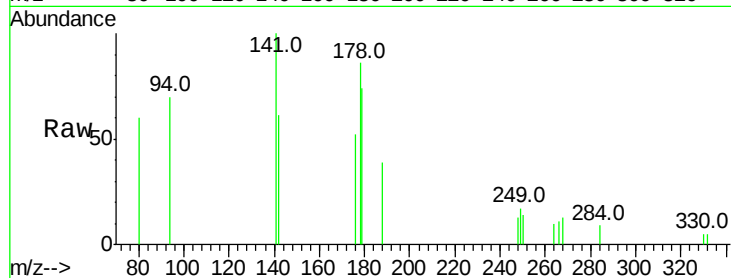
Tot Ion:178 Resp: 2169

Ion Ratio Lower Upper

178 100

176 29.1 0.0 0.0#

179 0.0 12.6 18.8#



#24

Anthracene

Concen: 0.060 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.07 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

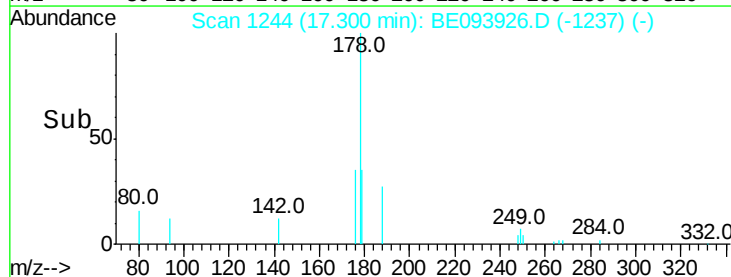
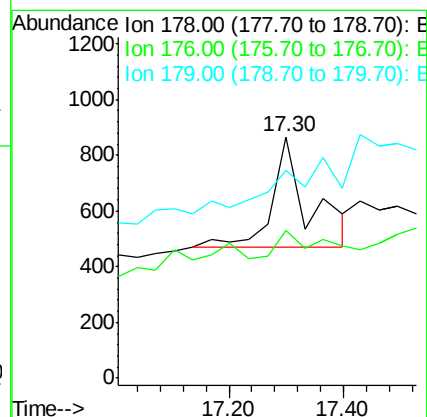
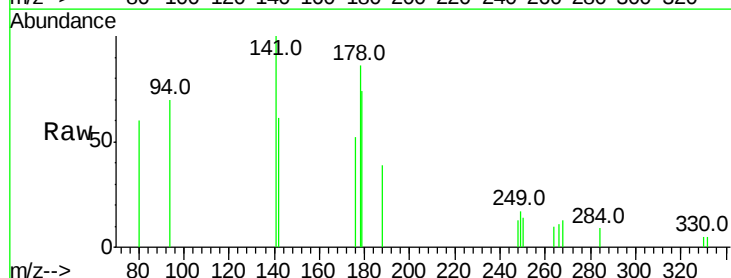
Tgt Ion:178 Resp: 1799

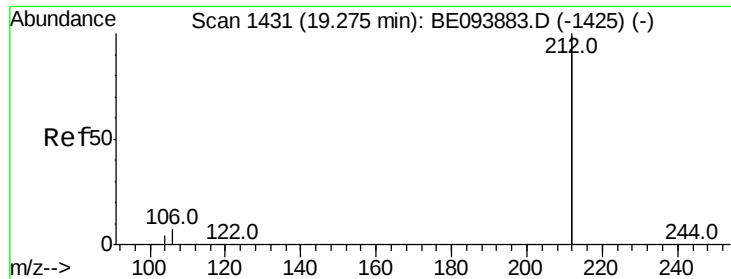
Ion Ratio Lower Upper

178 100

176 32.5 16.0 24.0#

179 0.0 0.0 0.0





#25

Fluoranthene-d10

Concen: 0.509 ng

RT: 19.28 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

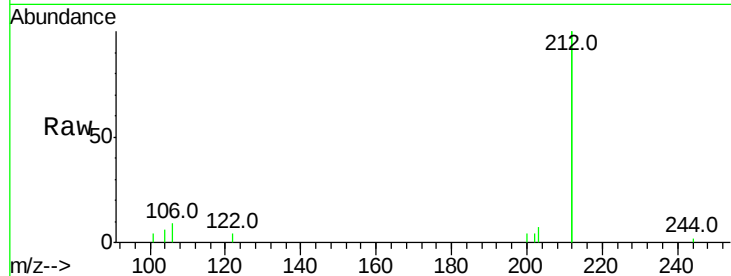
Tot Ion:212 Resp: 58074

Ion Ratio Lower Upper

212 100

106 3.6 2.7 4.1

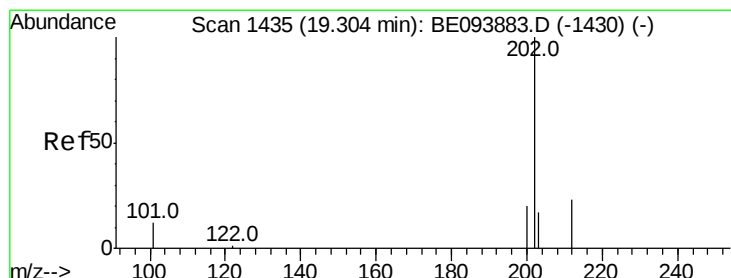
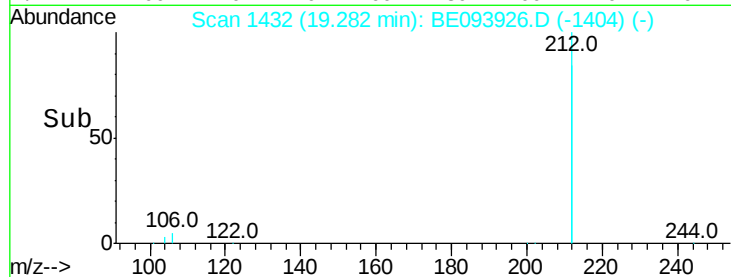
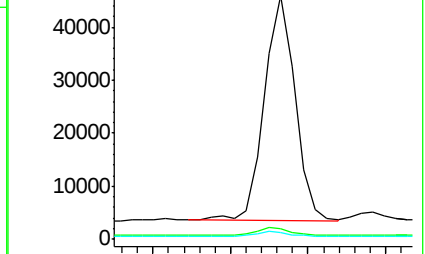
104 2.1 1.6 2.4



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: 0.057 ng

RT: 19.31 min Scan# 1436

Delta R.T. 0.01 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

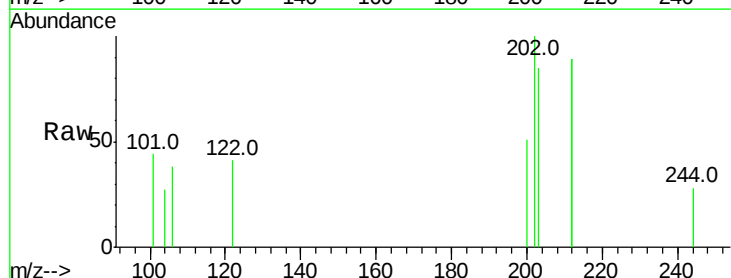
Tgt Ion:202 Resp: 1954

Ion Ratio Lower Upper

202 100

101 28.2 9.7 14.5#

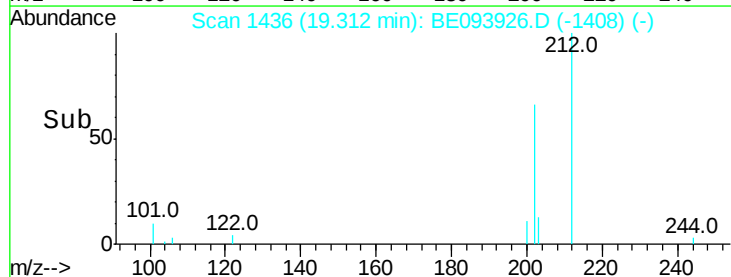
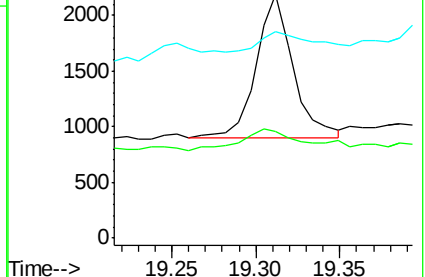
203 23.2 13.7 20.5#

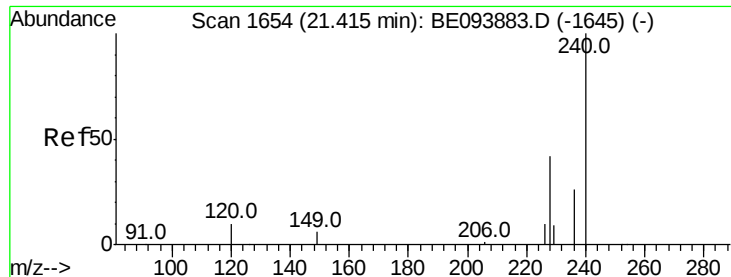


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.42 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

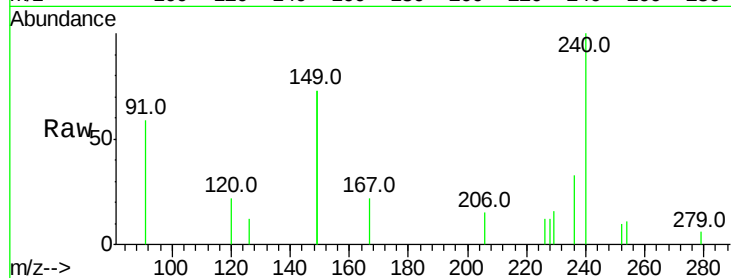
Tot Ion:240 Resp: 17128

Ion Ratio Lower Upper

240 100

120 22.5 8.7 13.1#

236 32.5 21.3 31.9#

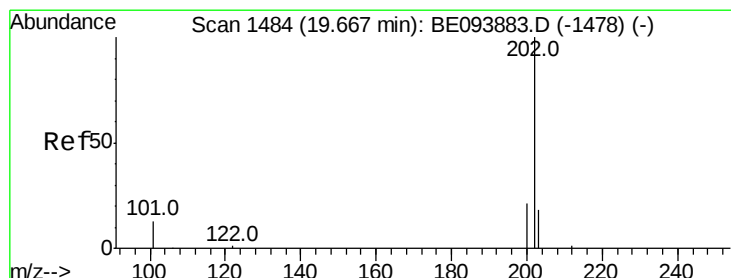
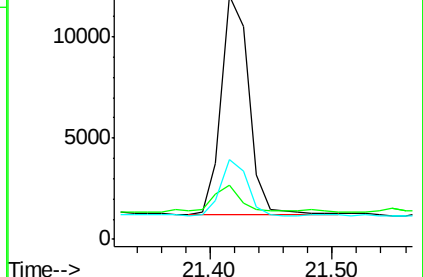
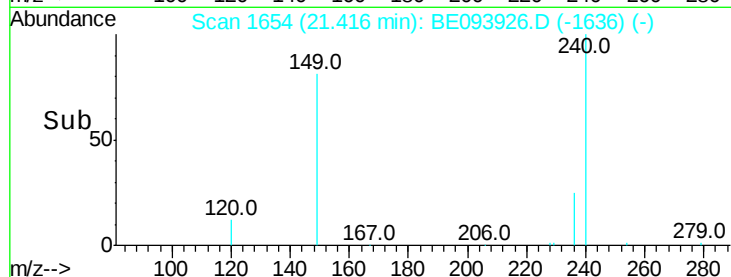


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



#28

Pyrene

Concen: 0.045 ng

RT: 19.67 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

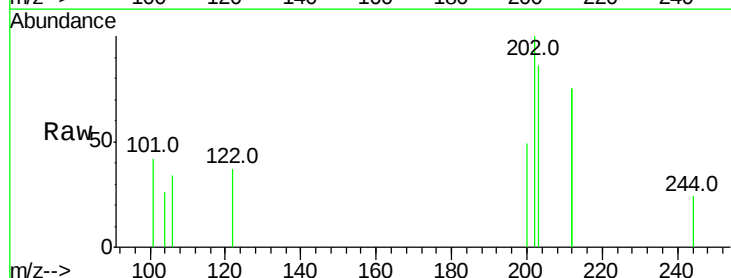
Tgt Ion:202 Resp: 2601

Ion Ratio Lower Upper

202 100

200 36.8 16.6 24.8#

203 33.1 14.2 21.4#

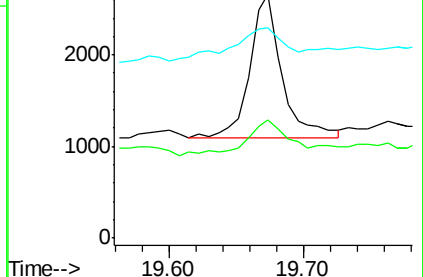
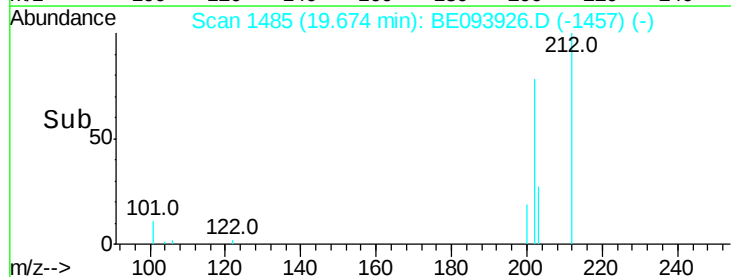


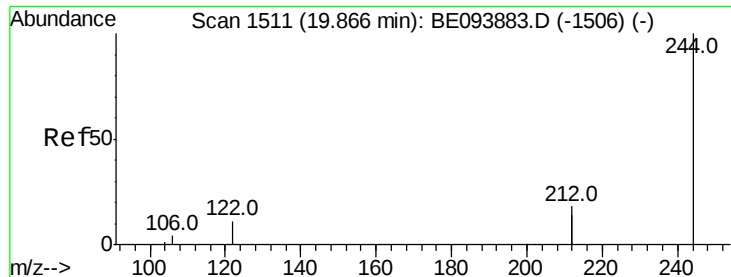
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#29

Terphenyl-d14

Concen: 0.513 ng

RT: 19.87 min Scan# 1511

Delta R.T. -0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

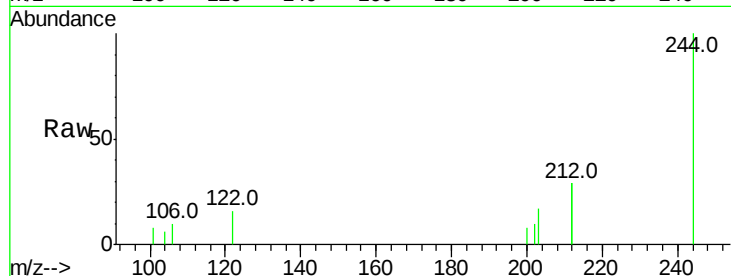
Tot Ion:244 Resp: 15913

Ion Ratio Lower Upper

244 100

212 58.2 28.3 42.5#

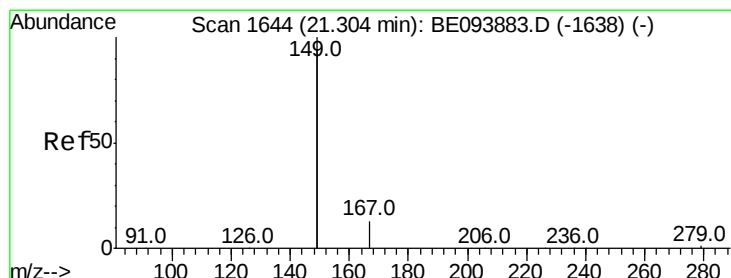
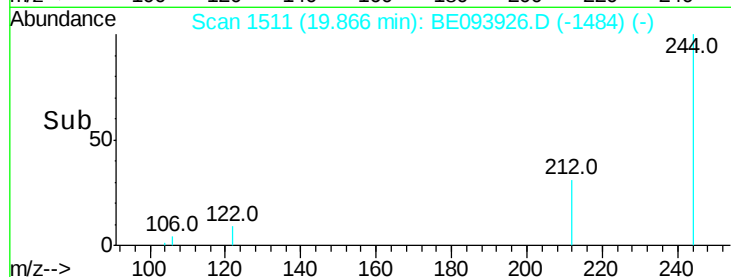
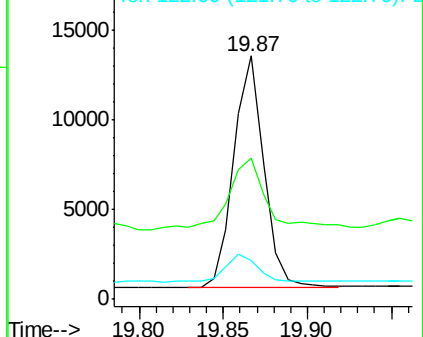
122 16.2 9.4 14.0#



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: 0.841 ng

RT: 21.30 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

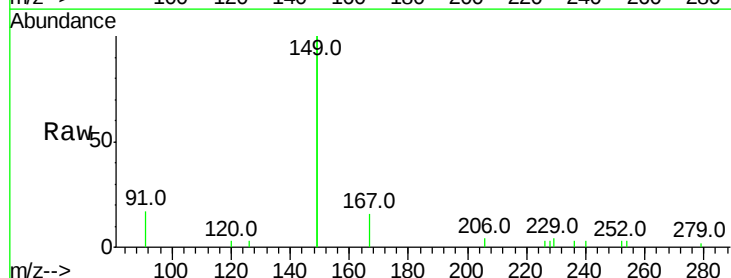
Tgt Ion:149 Resp: 90158

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

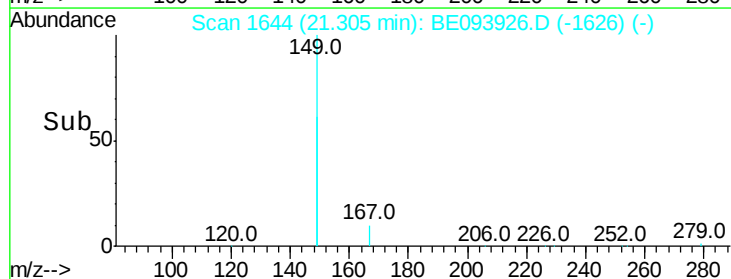
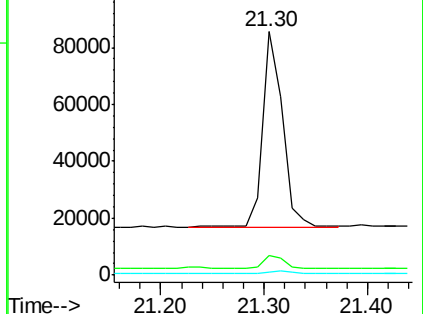
279 0.9 0.7 1.1

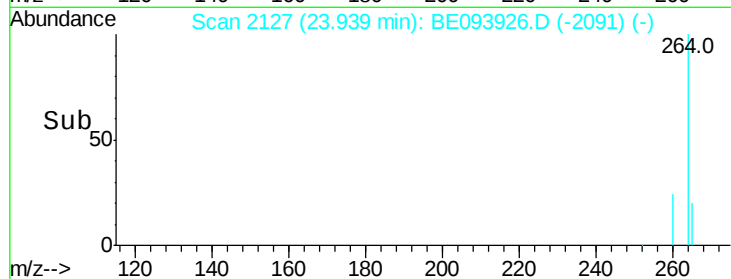
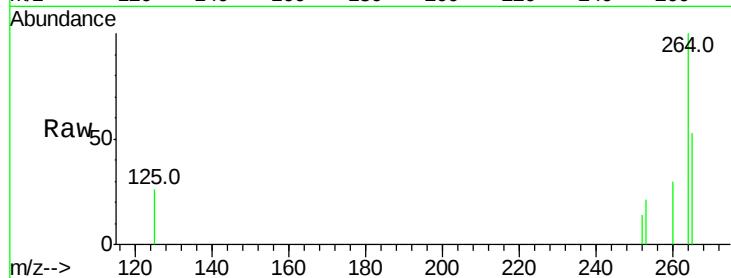
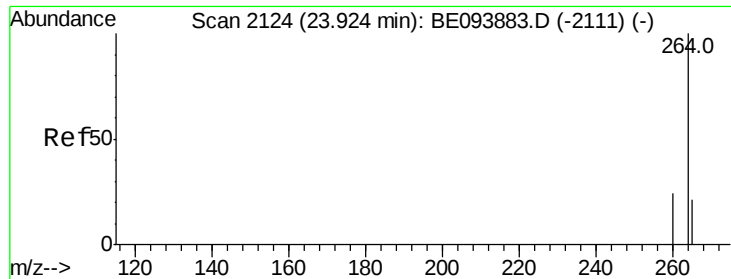


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2127

Delta R.T. 0.02 min

Lab File: BE093926.D

Acq: 2 Sep 2017 9:01

Instrument :

BNA_E

ClientSampleId :

3833-PA4

Tot Ion: 264 Resp: 14623

Ion Ratio Lower Upper

264 100

260 30.2 20.0 30.0#

265 53.4 24.0 36.0#

