

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090117\
 Data File : BE093925.D
 Acq On : 2 Sep 2017 8:22
 Operator : SJ/JU
 Sample : I4963-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3832-PA3-DUP

Quant Time: Sep 04 01:04:23 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	2379	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	12114	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7399	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11045	0.40	ng	0.00
27) Chrysene-d12	21.42	240	17355	0.40	ng	0.00
34) Perylene-d12	23.94	264	15207	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1176	0.16	ng	0.01
5) Phenol-d6	7.13	99	1225	0.11	ng	0.04
8) Nitrobenzene-d5	9.08	82	3579	0.35	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	6065	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	835	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	11699	0.40	ng	-0.01
25) Fluoranthene-d10	19.28	212	62373	0.49	ng	0.00
29) Terphenyl-d14	19.87	244	14803	0.47	ng	0.00

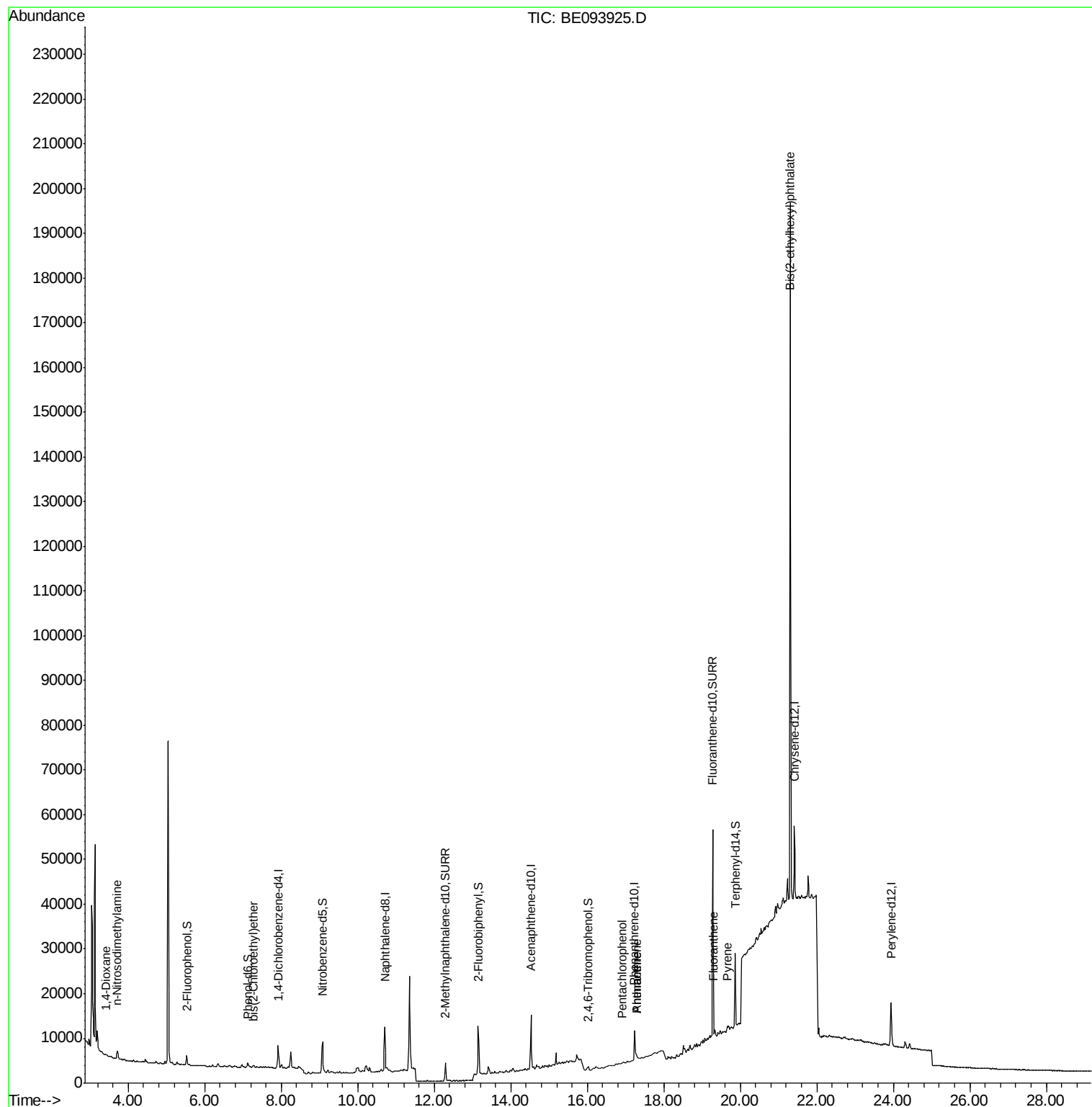
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	130	0.040	ng	# 18
3) n-Nitrosodimethylamine	3.72	42	333	0.092	ng	# 3
6) bis(2-Chloroethyl)ether	7.27	93	746	0.087	ng	# 1
20) 4-Bromophenyl-phenylether	16.58	248	121	Below Cal		# 1
22) Pentachlorophenol	16.91	266	223	0.129	ng	# 73
23) Phenanthrene	17.30	178	2321	0.083	ng	# 54
24) Anthracene	17.30	178	1784	0.053	ng	# 56
26) Fluoranthene	19.31	202	829	0.022	ng	# 35
28) Pyrene	19.67	202	1183	0.020	ng	# 53
32) Bis(2-ethylhexyl)phthalate	21.30	149	181888	1.674	ng	# 99

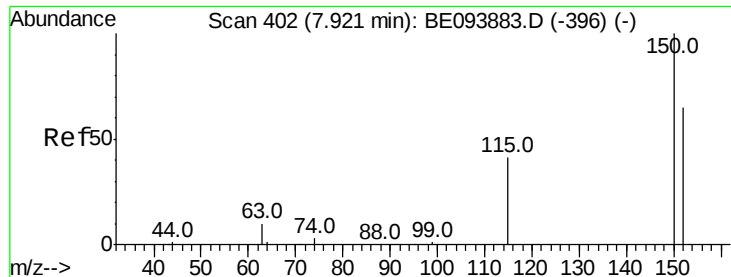
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.92 min Scan# 402

Delta R.T. -0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

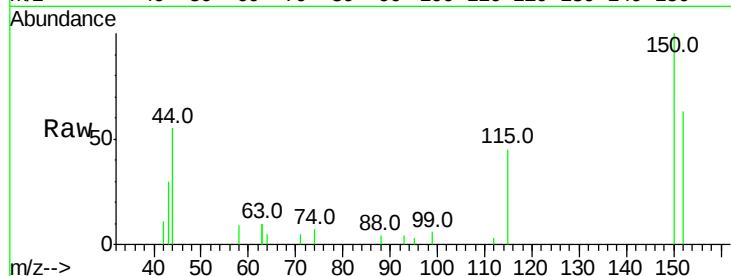
Tot Ion:152 Resp: 2379

Ion Ratio Lower Upper

152 100

150 157.6 121.8 182.6

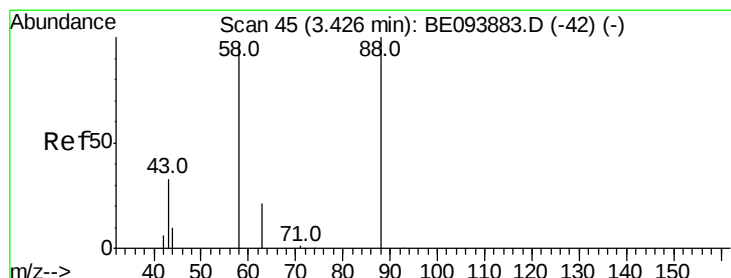
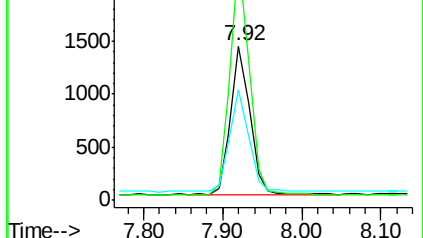
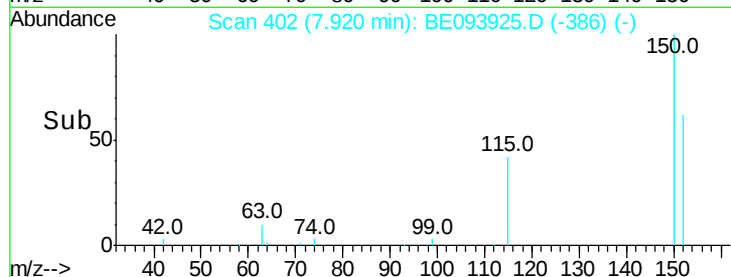
115 71.2 52.6 79.0



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



#2

1,4-Dioxane

Concen: 0.040 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

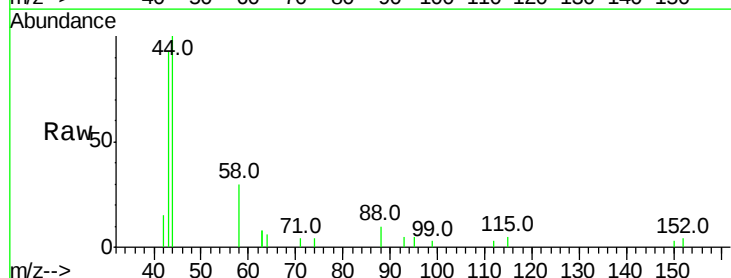
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

58 0.0 65.4 98.0#

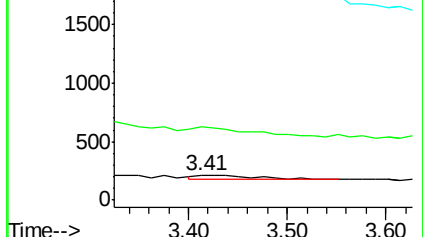
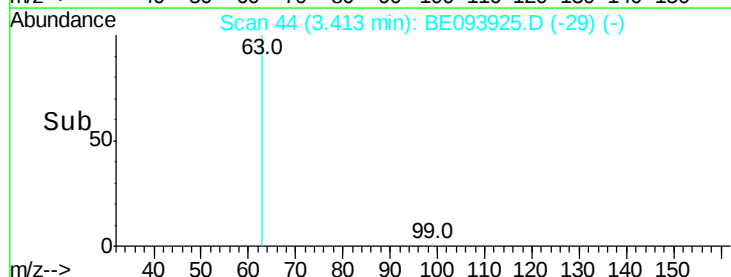
43 0.0 23.9 35.9#

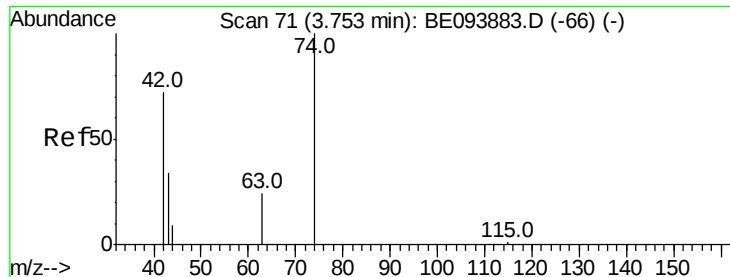


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.092 ng

RT: 3.72 min Scan# 68

Delta R.T. -0.04 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

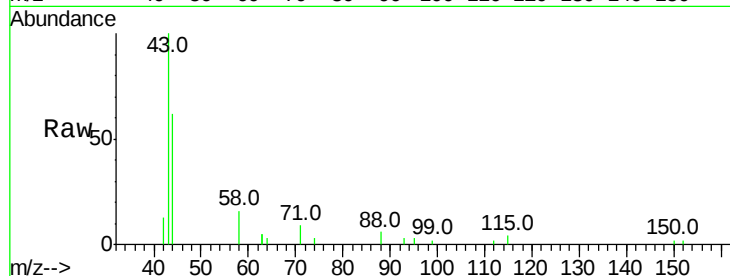
Tot Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

74 7.8 104.0 156.0#

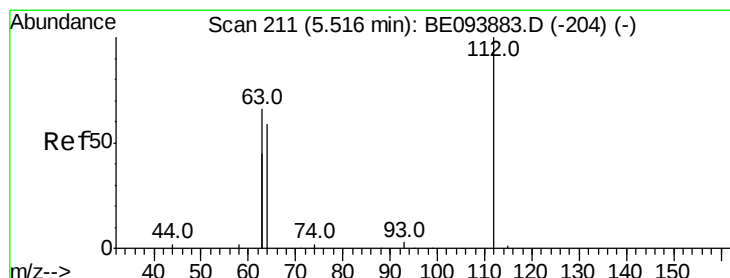
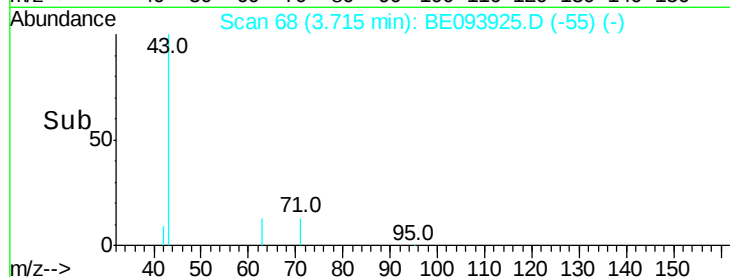
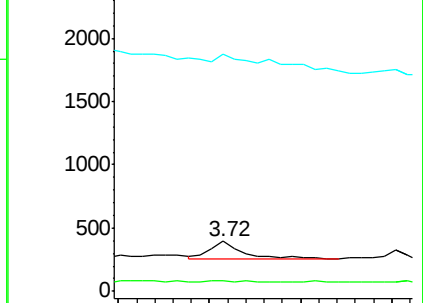
44 0.0 13.8 20.8#



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: 0.161 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

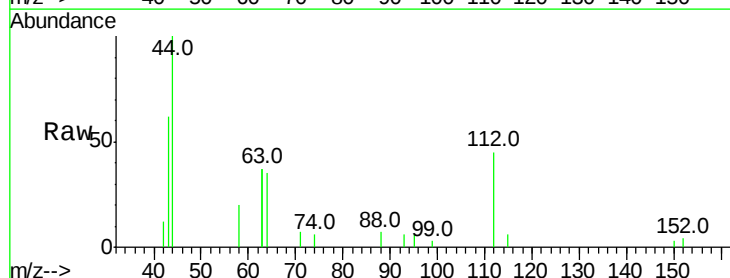
Tgt Ion: 112 Resp: 1176

Ion Ratio Lower Upper

112 100

64 71.9 57.7 86.5

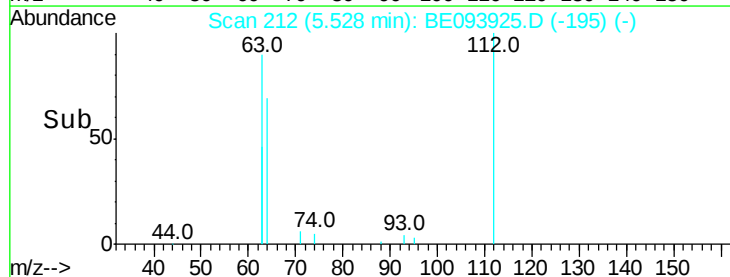
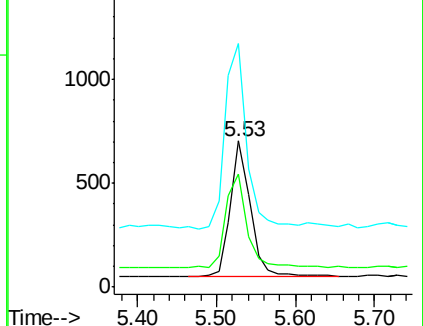
63 144.9 116.0 174.0

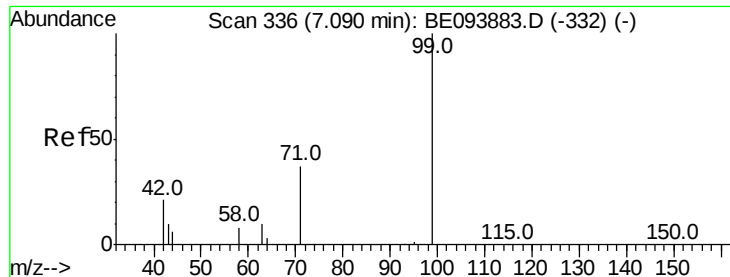


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.109 ng

RT: 7.13 min Scan# 339

Delta R.T. 0.04 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

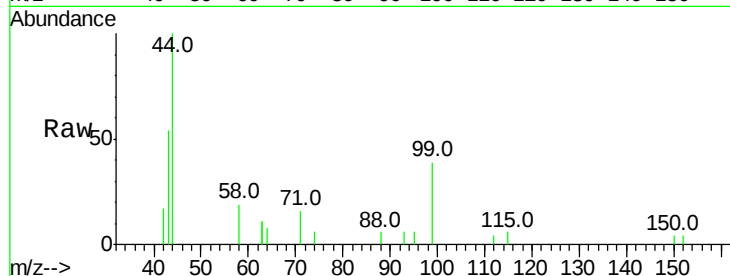
Tot Ion: 99 Resp: 1225

Ion Ratio Lower Upper

99 100

42 17.9 17.1 25.7

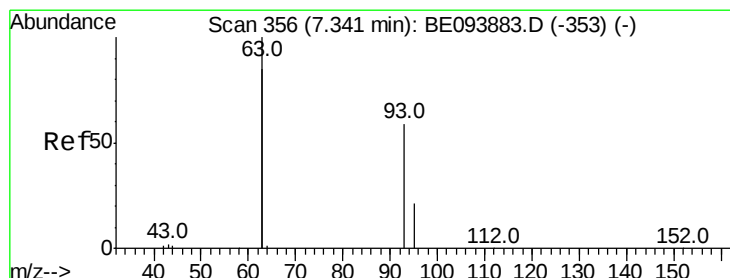
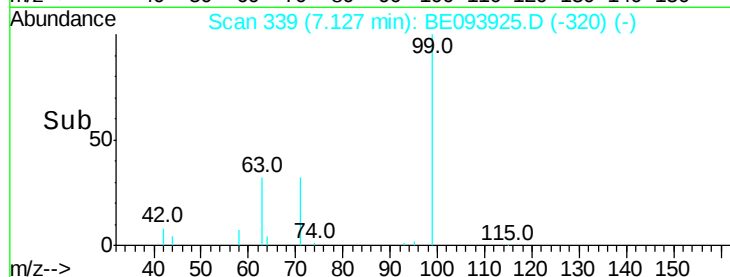
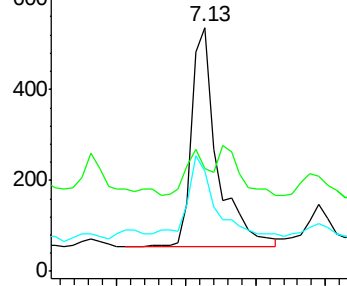
71 41.2 26.6 39.8#



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: 0.087 ng

RT: 7.27 min Scan# 350

Delta R.T. -0.08 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

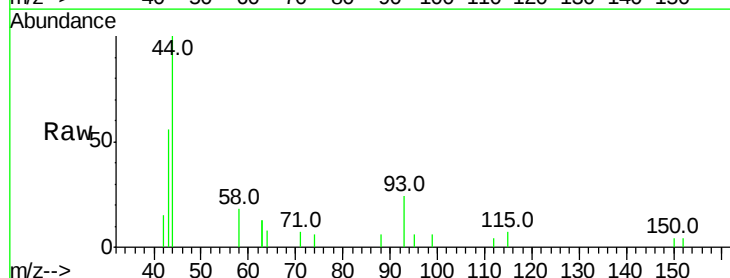
Tgt Ion: 93 Resp: 746

Ion Ratio Lower Upper

93 100

63 15.1 283.4 425.2#

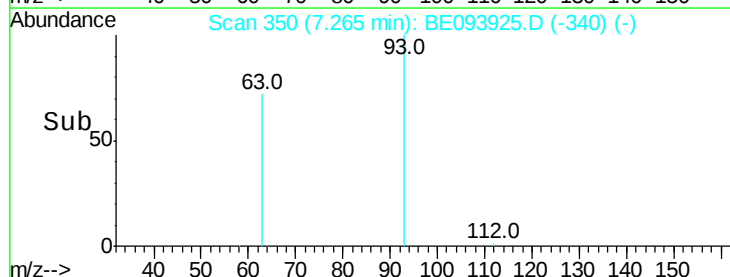
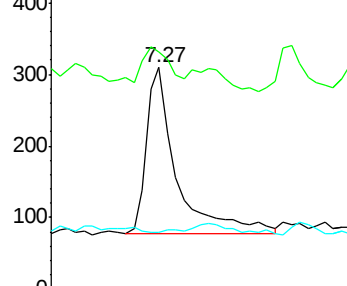
95 0.0 26.9 40.3#

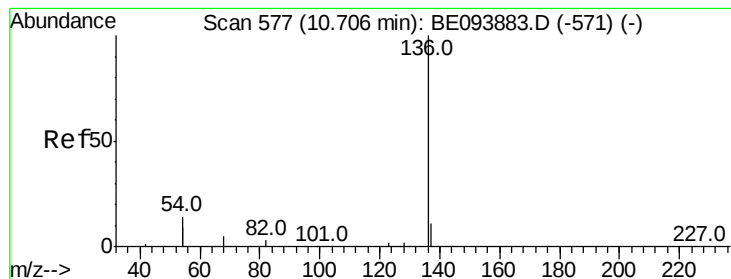


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

Tot Ion:136 Resp: 12114

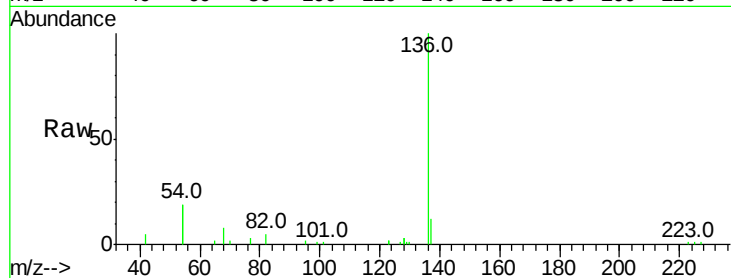
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 37.8 21.9 32.9#

68 7.9 4.6 7.0#

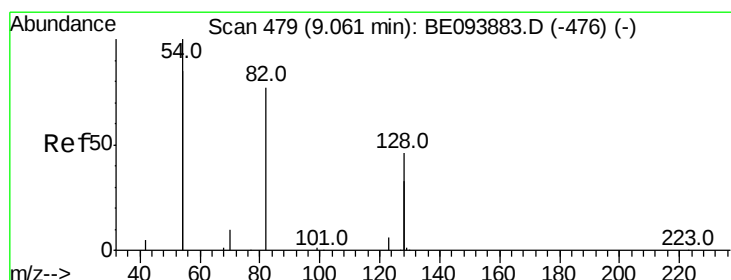
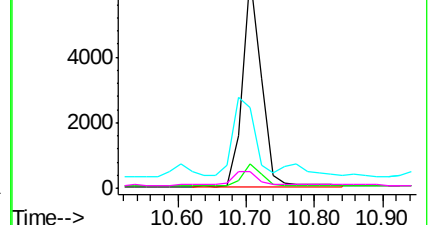
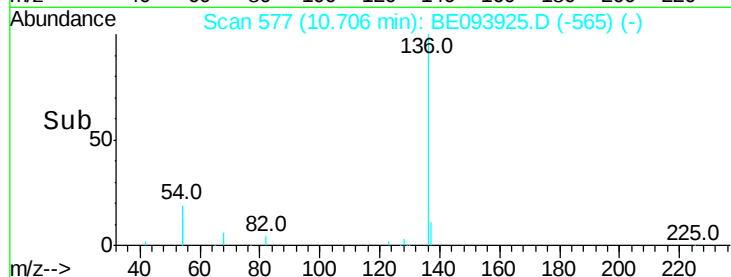


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.355 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

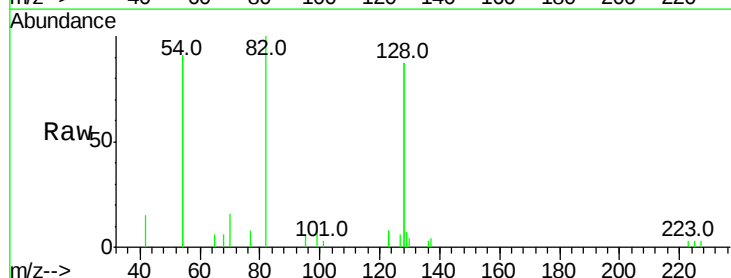
Tgt Ion: 82 Resp: 3579

Ion Ratio Lower Upper

82 100

128 173.4 91.4 137.0#

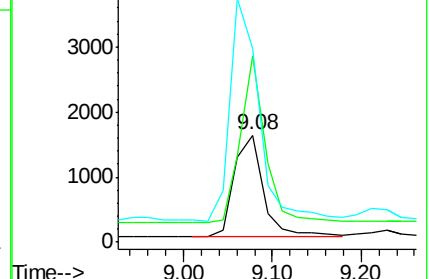
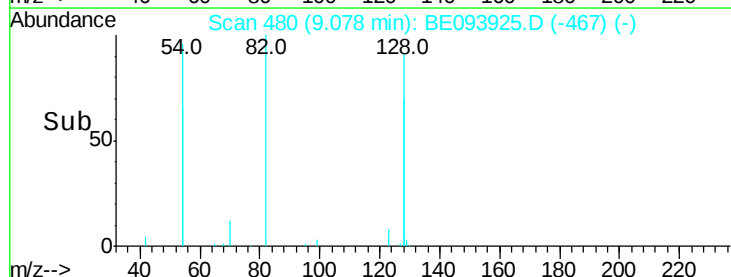
54 181.3 197.8 296.8#

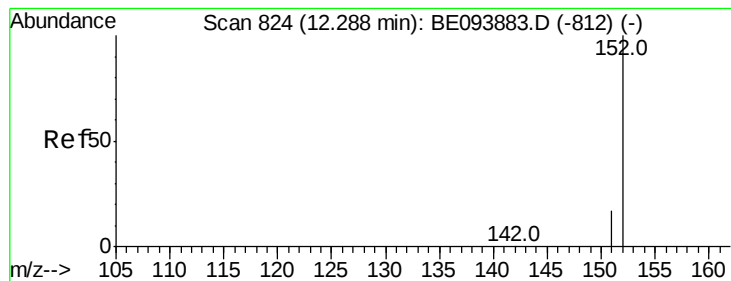


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.317 ng

RT: 12.29 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

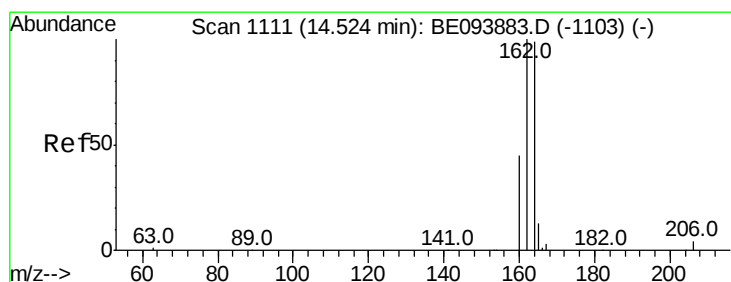
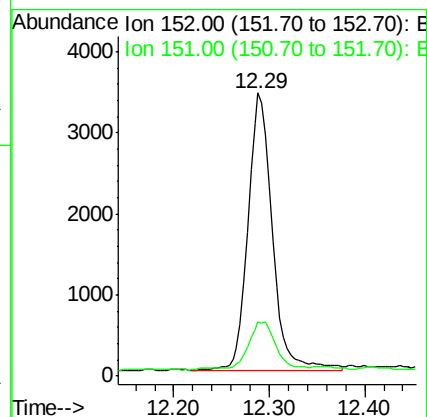
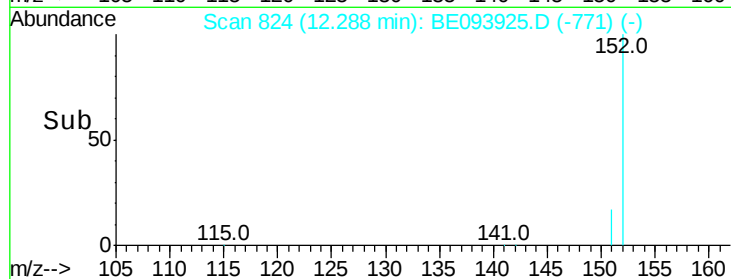
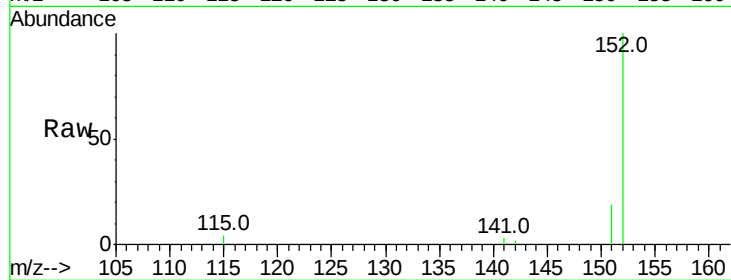
3832-PA3-DUP

Tot Ion:152 Resp: 6065

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

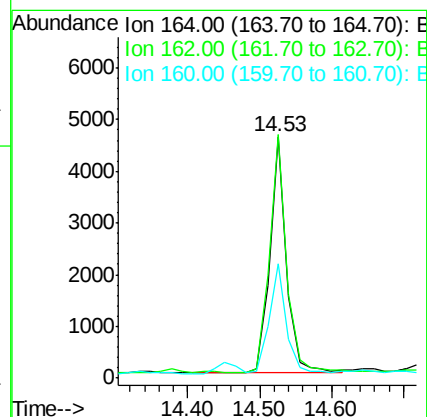
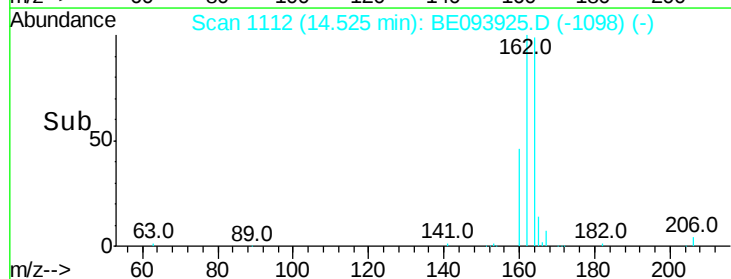
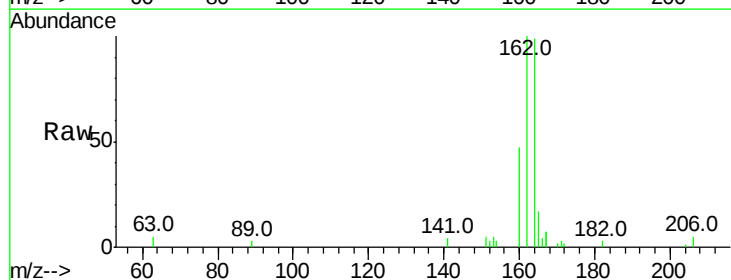
Tgt Ion:164 Resp: 7399

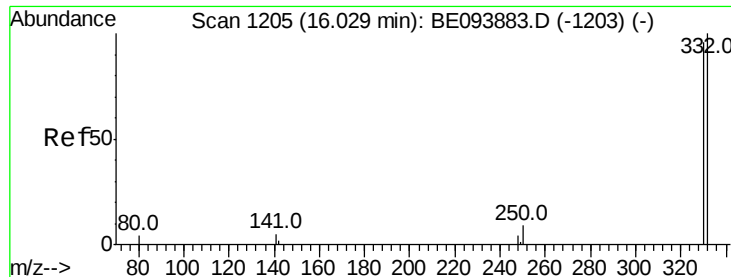
Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

160 47.1 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.421 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

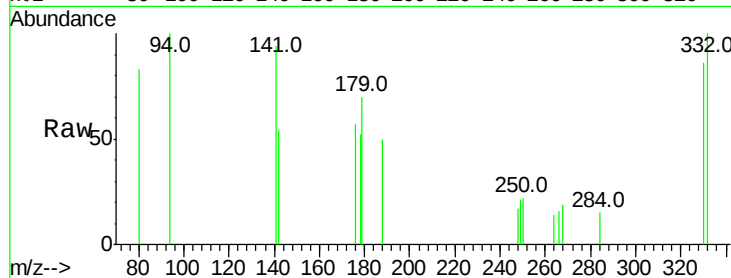
Tot Ion:330 Resp: 835

Ion Ratio Lower Upper

330 100

332 104.7 76.9 115.3

141 0.0 0.0 0.0

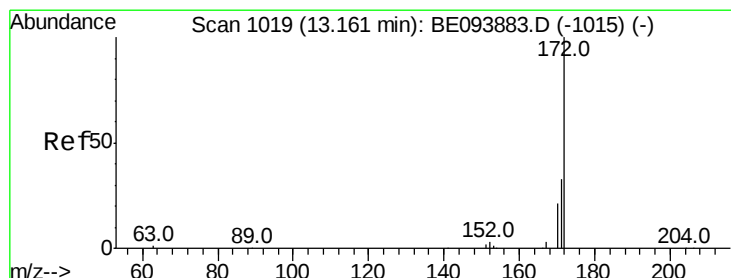
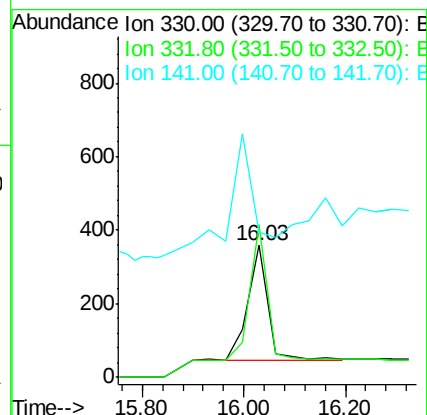
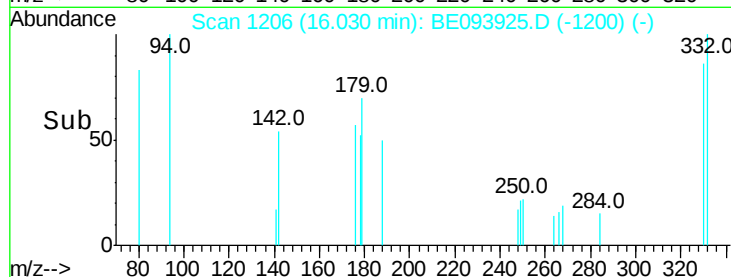


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



#15

2-Fluorobiphenyl

Concen: 0.397 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

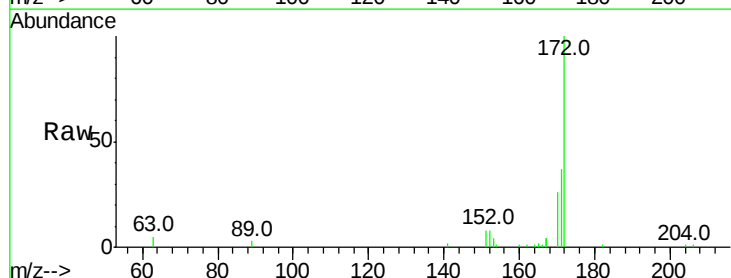
Tgt Ion:172 Resp: 11699

Ion Ratio Lower Upper

172 100

171 37.1 26.9 40.3

170 25.6 17.3 25.9

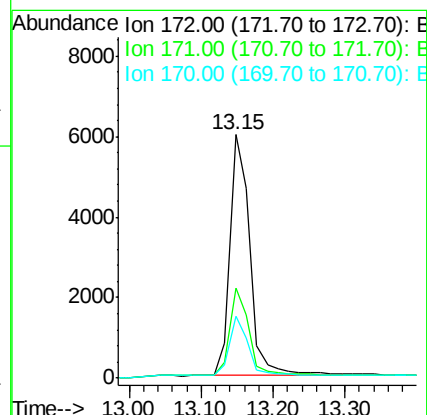
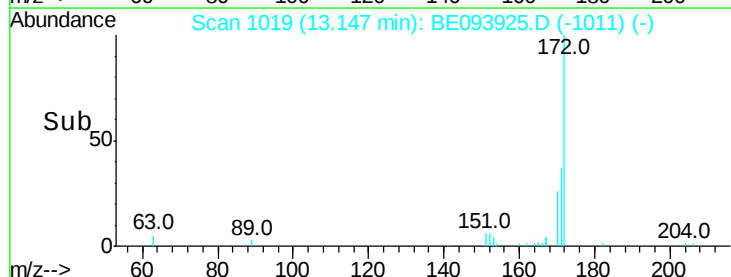


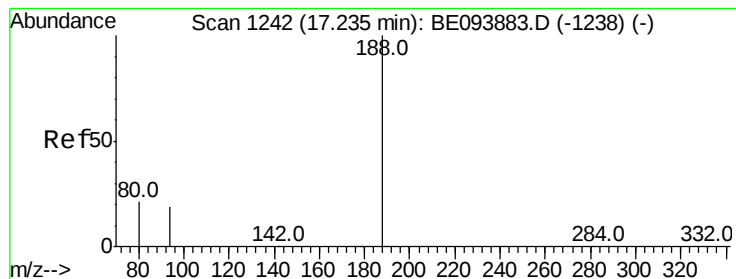
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

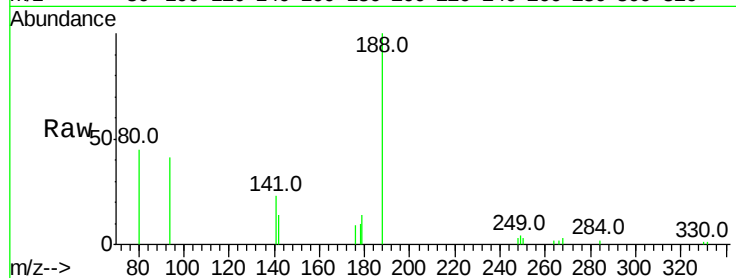
Tot Ion:188 Resp: 11045

Ion Ratio Lower Upper

188 100

94 41.5 16.1 24.1#

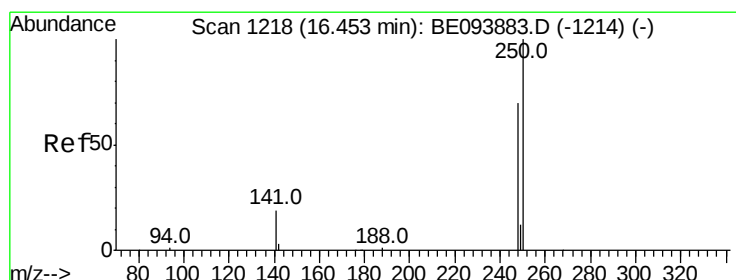
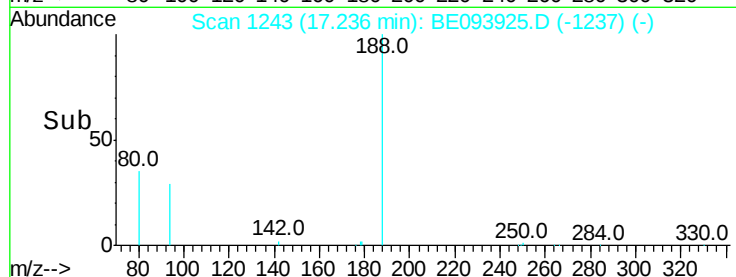
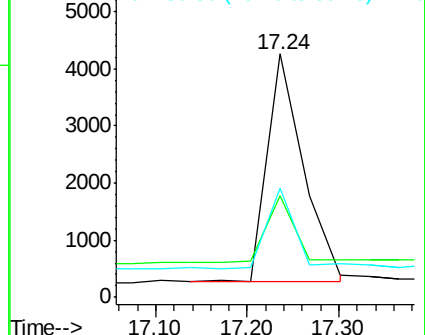
80 44.8 18.2 27.2#



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# 1223

Delta R.T. 0.13 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

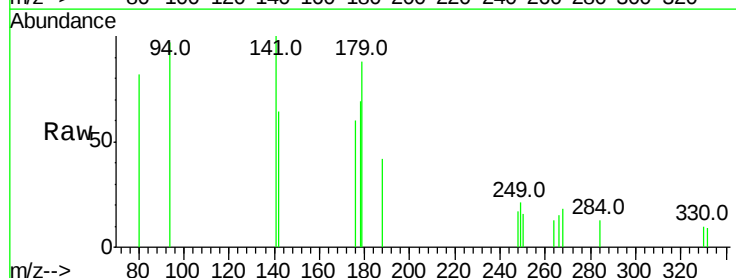
Tgt Ion:248 Resp: 121

Ion Ratio Lower Upper

248 100

250 92.3 111.8 167.8#

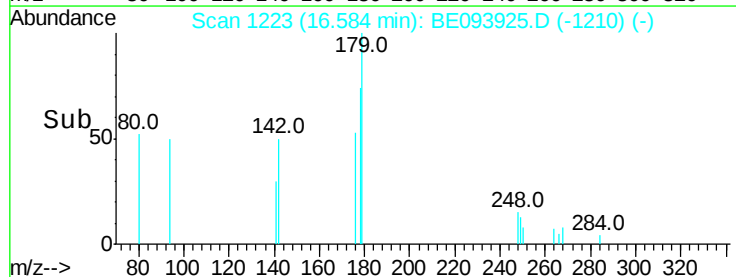
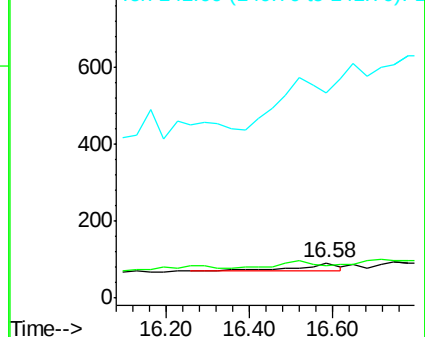
141 586.8 27.1 40.7#

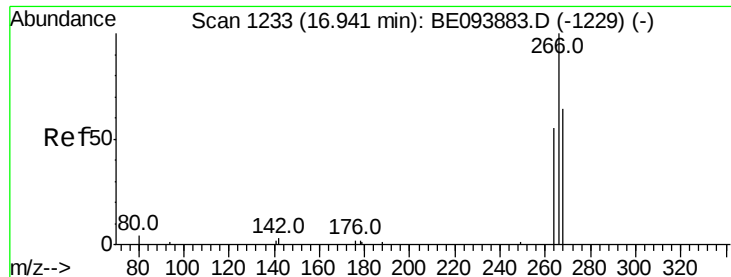


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.129 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

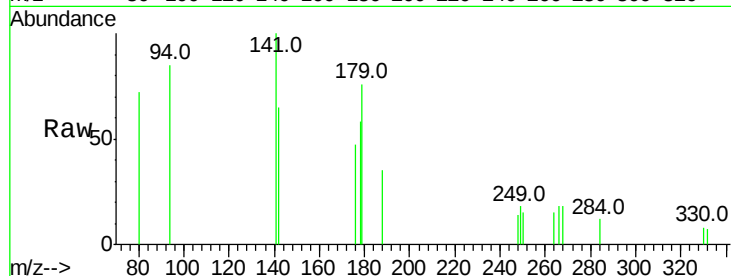
Tot Ion:266 Resp: 223

Ion Ratio Lower Upper

266 100

264 86.7 53.5 80.3#

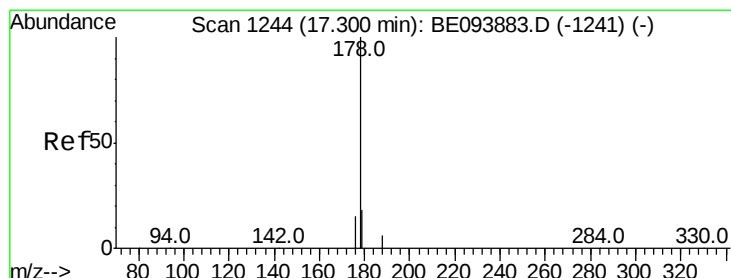
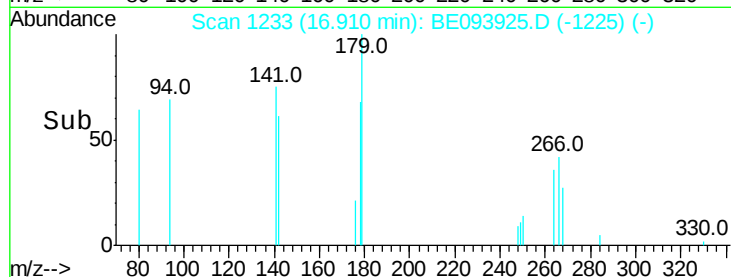
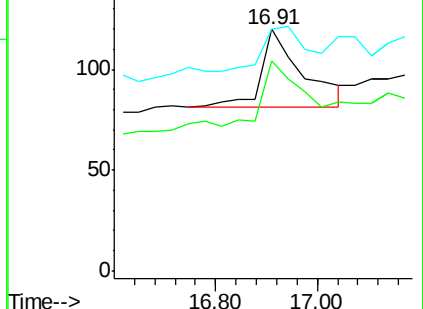
268 100.0 60.0 90.0#



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: 0.083 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

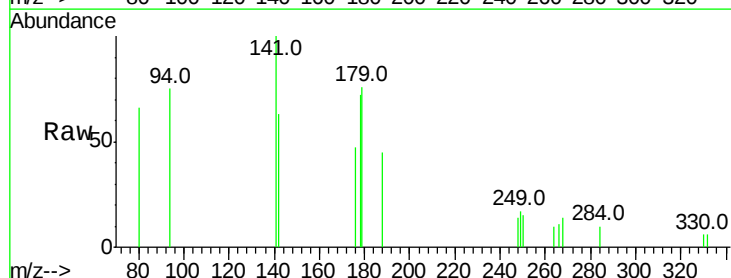
Tgt Ion:178 Resp: 2321

Ion Ratio Lower Upper

178 100

176 0.0 0.0 0.0

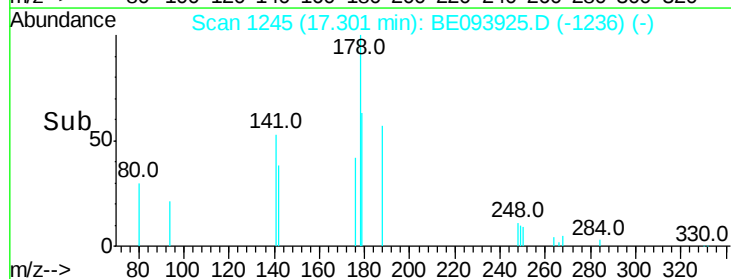
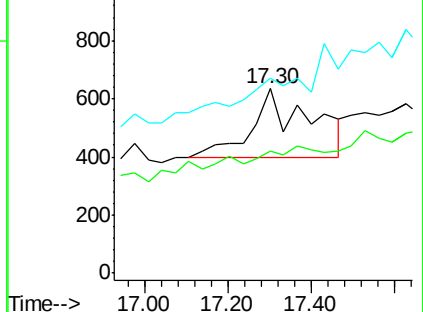
179 35.3 12.6 18.8#

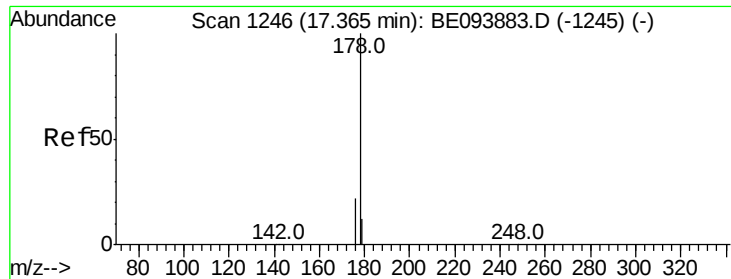


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.053 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.06 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

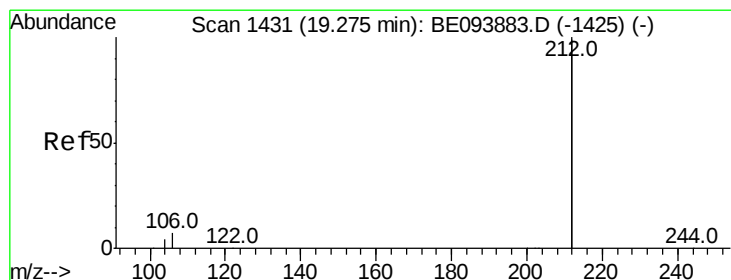
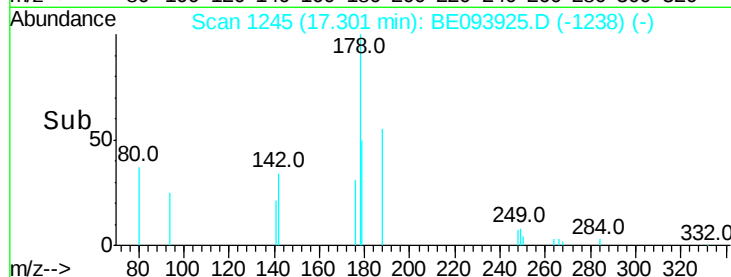
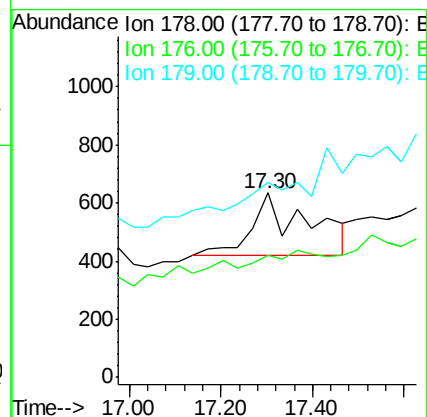
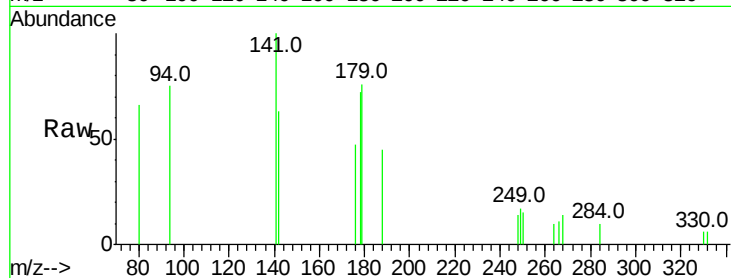
Tot Ion:178 Resp: 1784

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 29.0 0.0 0.0#



#25

Fluoranthene-d10

Concen: 0.490 ng

RT: 19.28 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

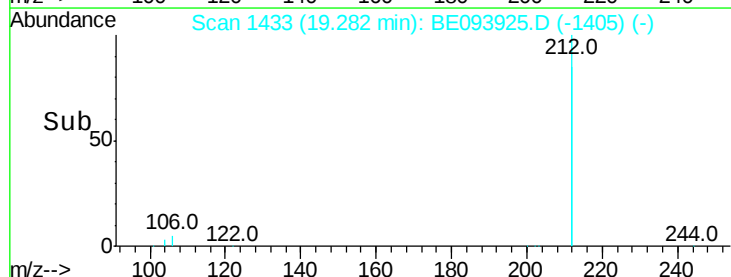
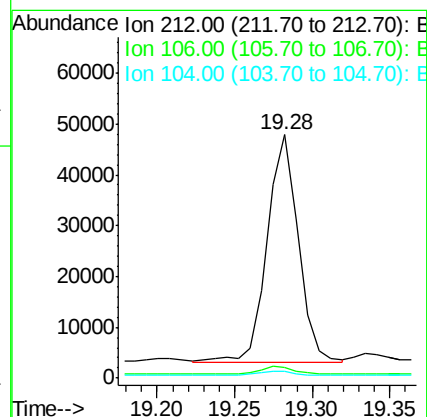
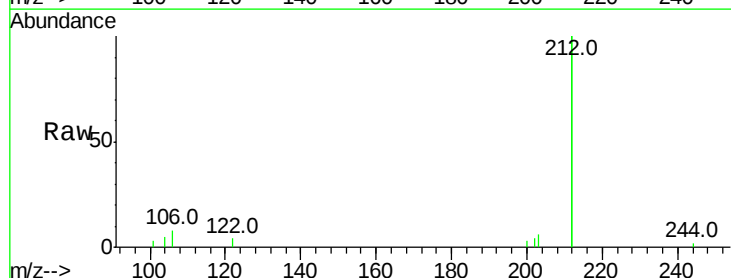
Tgt Ion:212 Resp: 62373

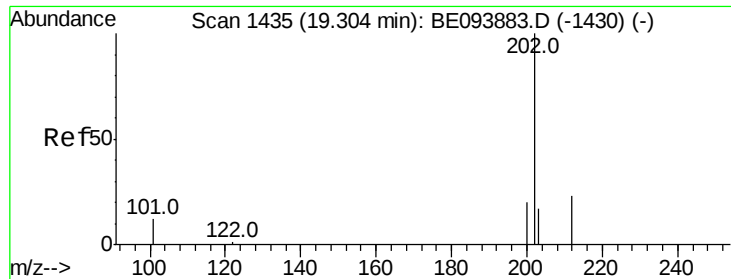
Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

104 2.1 1.6 2.4





#26

Fluoranthene

Concen: 0.022 ng

RT: 19.31 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

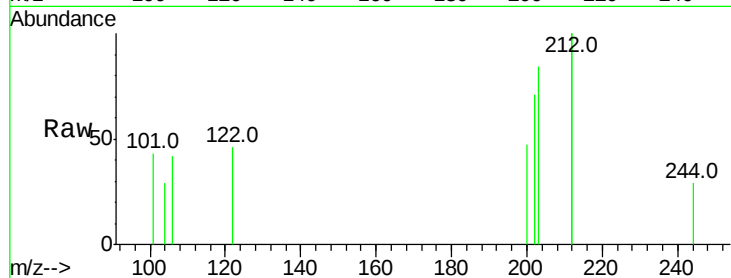
Tot Ion:202 Resp: 829

Ion Ratio Lower Upper

202 100

101 54.9 9.7 14.5#

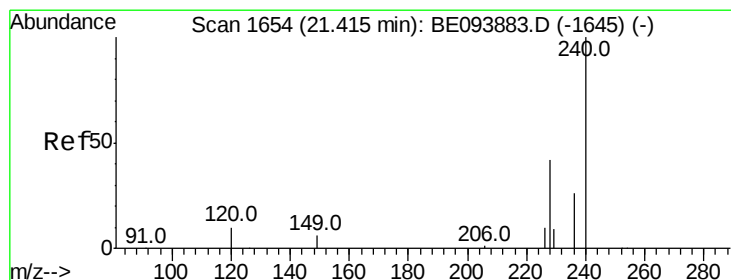
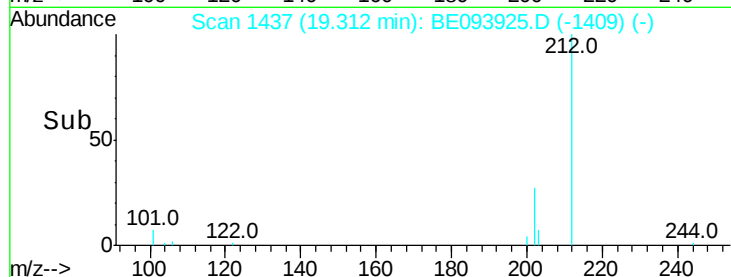
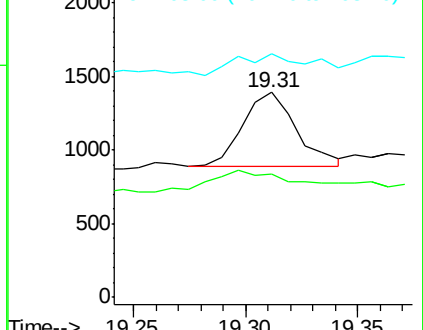
203 31.2 13.7 20.5#



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# 1655

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

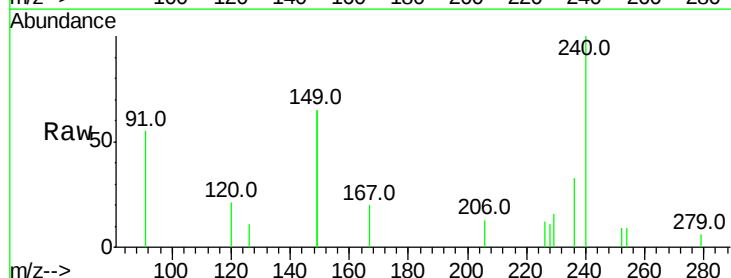
Tgt Ion:240 Resp: 17355

Ion Ratio Lower Upper

240 100

120 20.8 8.7 13.1#

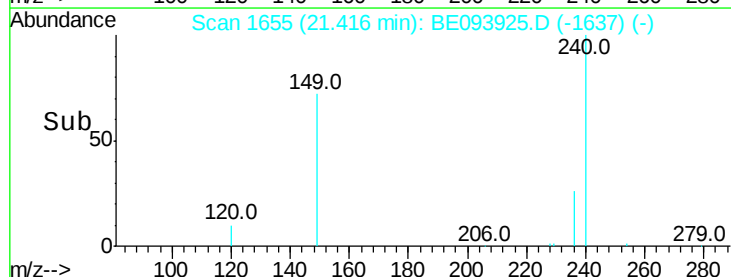
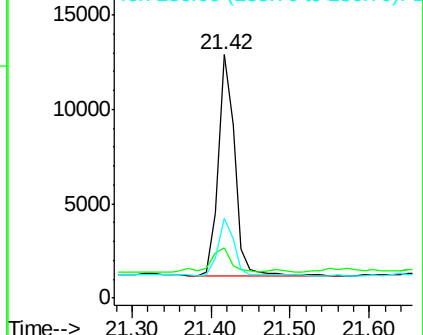
236 32.9 21.3 31.9#

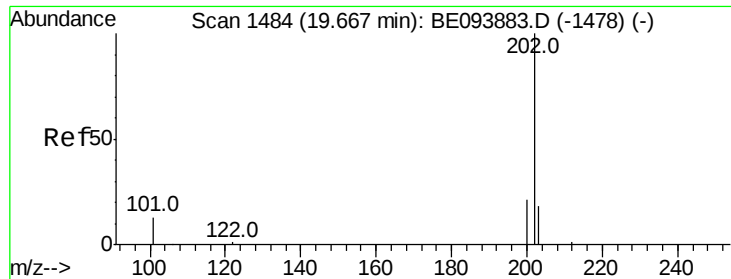


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.020 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

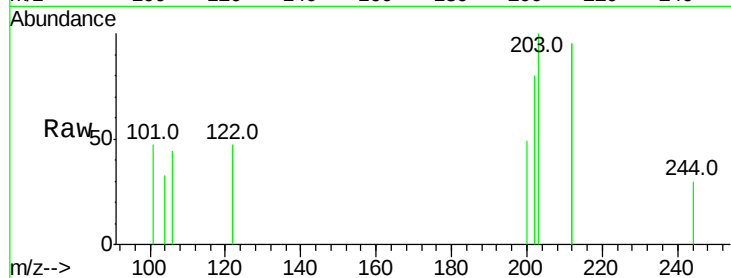
Tot Ion:202 Resp: 1183

Ion Ratio Lower Upper

202 100

200 29.9 16.6 24.8#

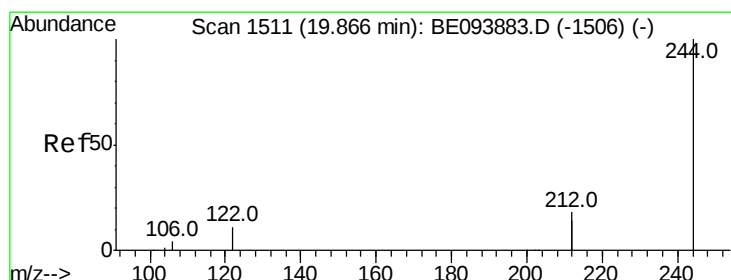
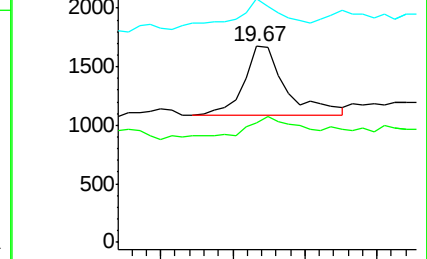
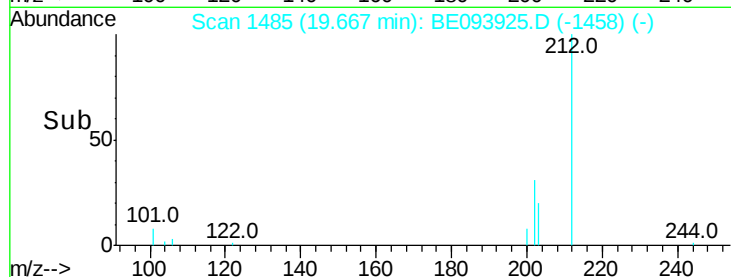
203 52.8 14.2 21.4#



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



#29

Terphenyl-d14

Concen: 0.471 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

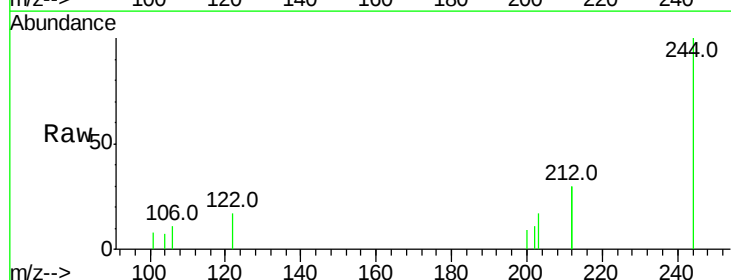
Tgt Ion:244 Resp: 14803

Ion Ratio Lower Upper

244 100

212 59.0 28.3 42.5#

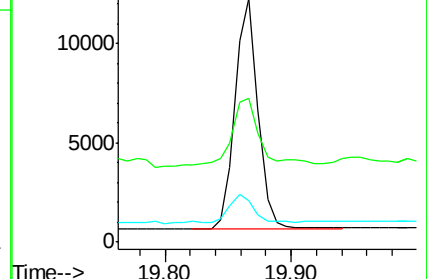
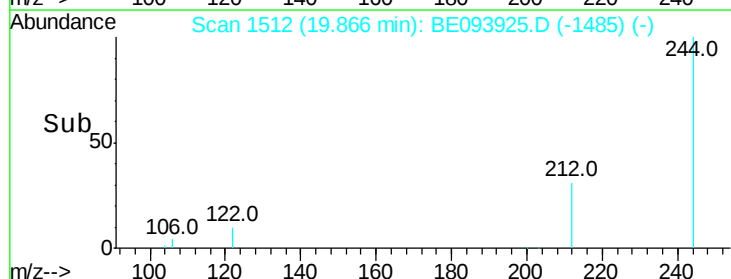
122 17.1 9.4 14.0#

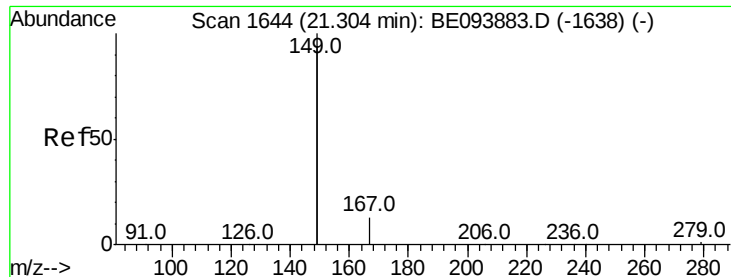


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.674 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.00 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

Instrument :

BNA_E

ClientSampleId :

3832-PA3-DUP

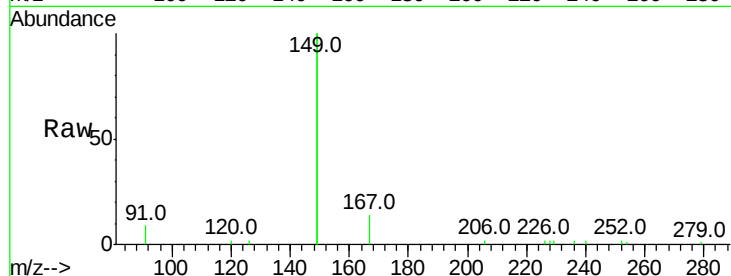
Tot Ion:149 Resp: 181888

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

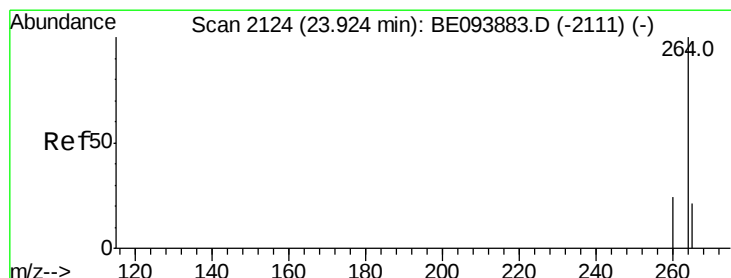
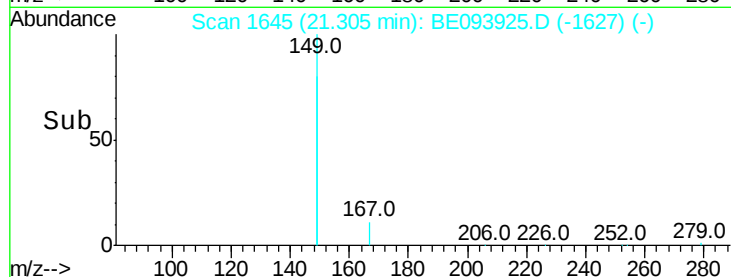
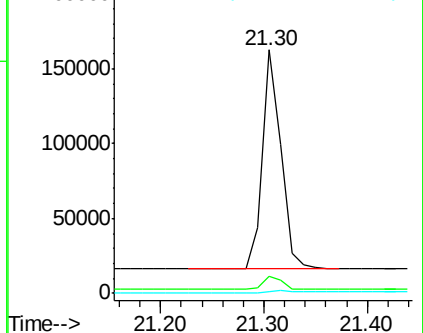
279 0.9 0.7 1.1



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

Perylene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2127

Delta R.T. 0.01 min

Lab File: BE093925.D

Acq: 2 Sep 2017 8:22

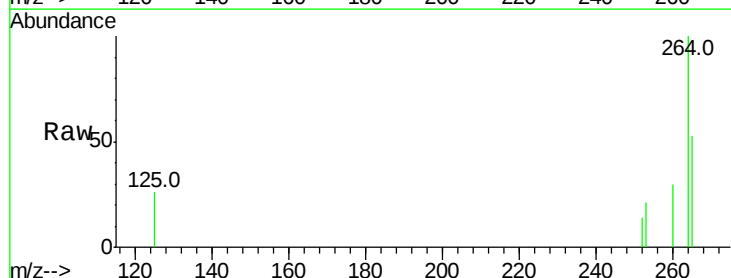
Tgt Ion:264 Resp: 15207

Ion Ratio Lower Upper

264 100

260 30.3 20.0 30.0#

265 52.9 24.0 36.0#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

