

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012518\
 Data File : BE095113.D
 Acq On : 25 Jan 2018 13:04
 Operator : SJ/JU
 Sample : J1235-01DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-3DL

Quant Time: Jan 25 19:21:30 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 15:47:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	5646	0.40	ng	0.00
7) Naphthalene-d8	11.34	136	55927	0.40	ng	0.03
13) Acenaphthene-d10	15.03	164	8750	0.40	ng	0.00
19) Phenanthrene-d10	17.74	188	17633	0.40	ng	0.00
27) Chrysene-d12	21.84	240	17224	0.40	ng	0.00
34) Perylene-d12	24.48	264	16041	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	387	0.04	ng	0.01
5) Phenol-d6	7.58	99	456	0.03	ng	0.00
8) Nitrobenzene-d5	9.63	82	3456	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	12.83	152	860	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.50	330	433	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.68	172	11433	0.30	ng	0.00
25) Fluoranthene-d10	19.71	212	9714	0.04	ng	0.00
29) Terphenyl-d14	20.28	244	79481	2.25	ng	0.00

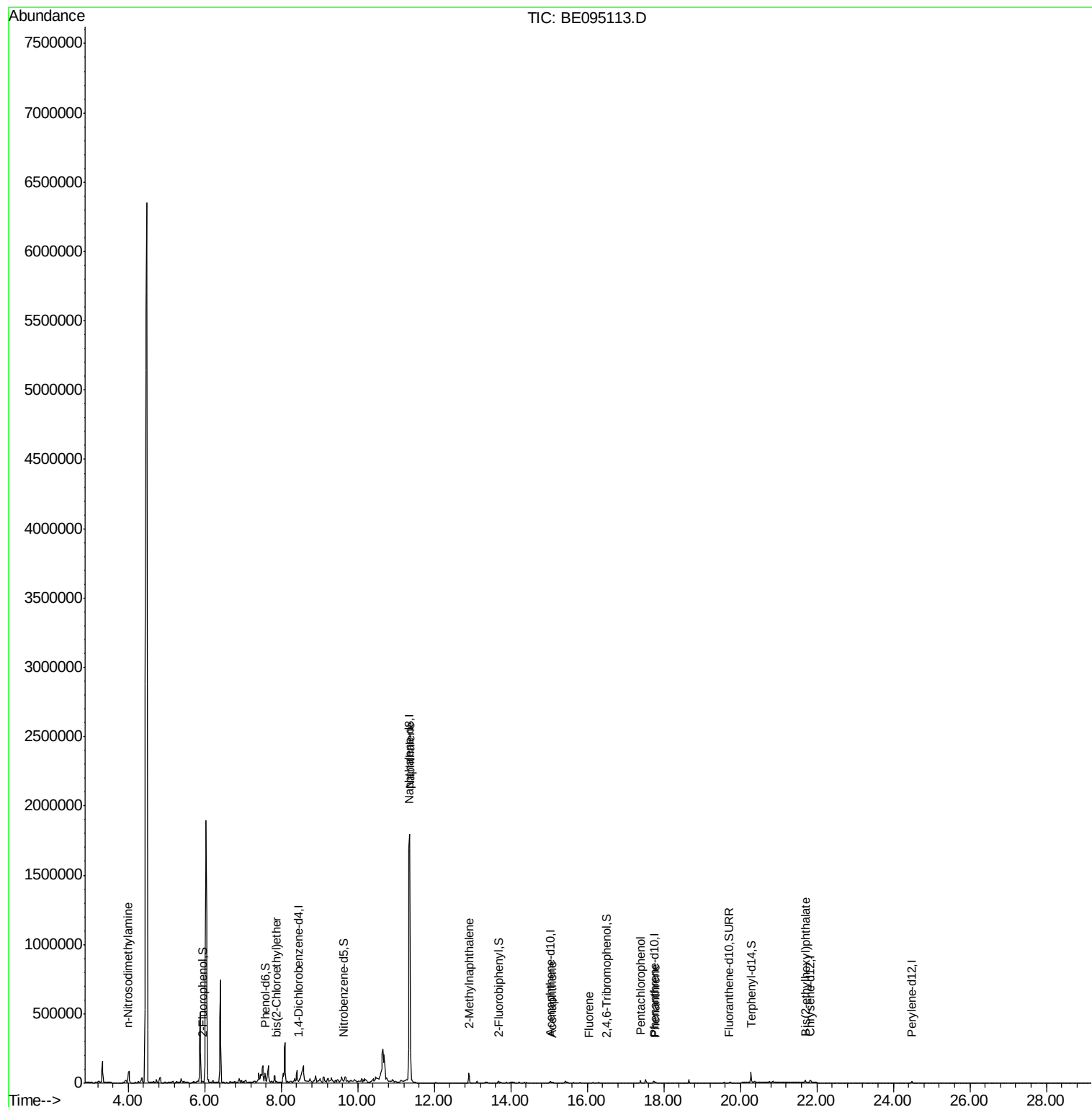
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	4.00	42	7461	1.126	ng	# 1
6) bis(2-Chloroethyl)ether	7.88	93	375	0.029	ng	# 1
9) Naphthalene	11.36	128	3484400	5.445	ng	99
12) 2-Methylnaphthalene	12.91	142	49254	0.449	ng	98
17) Acenaphthene	15.09	154	925	0.030	ng	# 82
18) Fluorene	16.05	166	1375	0.036	ng	# 78
22) Pentachlorophenol	17.38	266	10005	2.850	ng	# 72
23) Phenanthrene	17.77	178	2277	0.042	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.70	149	18549	0.248	ng	99

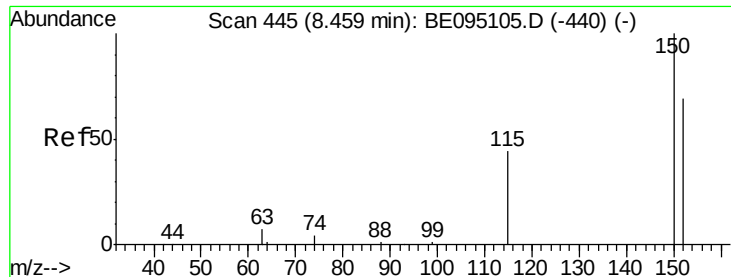
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. 0.00 min

Lab File: BE095113.D

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Instrument :

BNA_E

ClientSampleId :

TW-3DL

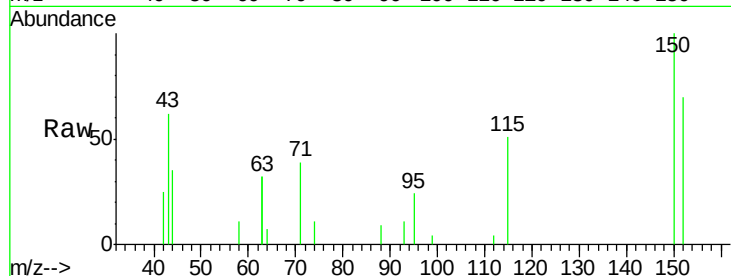
Tgt Ion:152 Resp: 5646

Ion Ratio Lower Upper

152 100

150 143.6 117.2 175.8

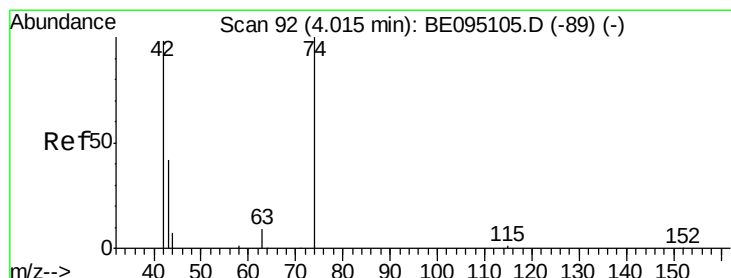
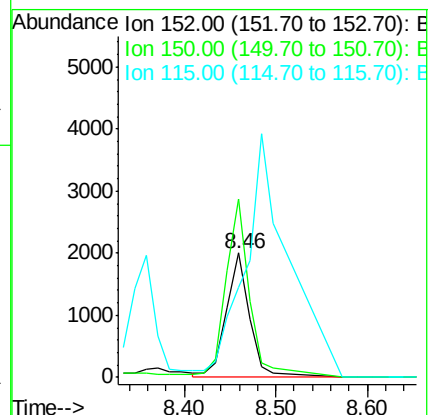
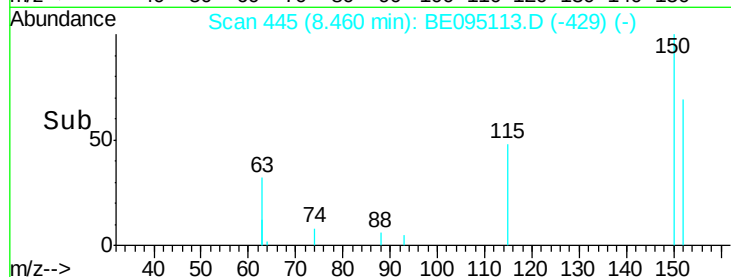
115 72.9 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine

Concen: 1.126 ng

RT: 4.00 min Scan# 91

Delta R.T. -0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

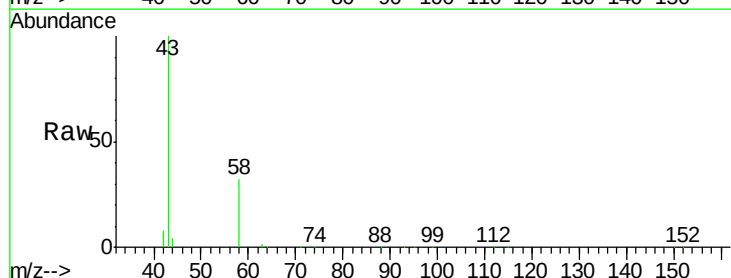
Tgt Ion: 42 Resp: 7461

Ion Ratio Lower Upper

42 100

74 0.9 96.0 144.0#

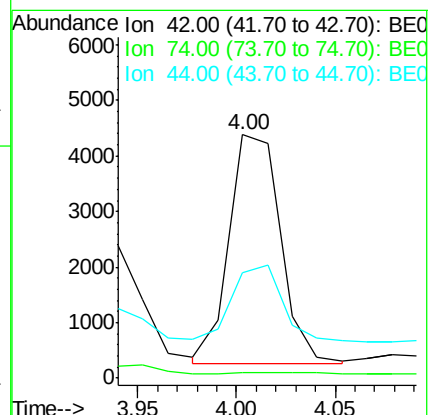
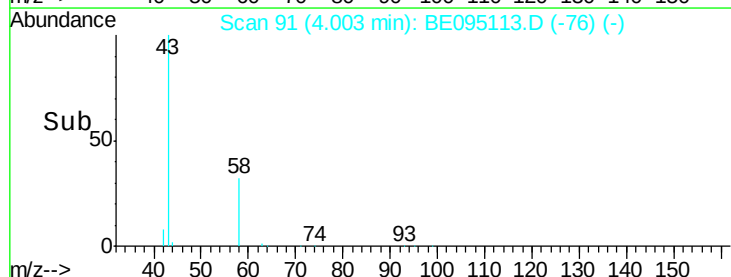
44 33.1 12.0 18.0#

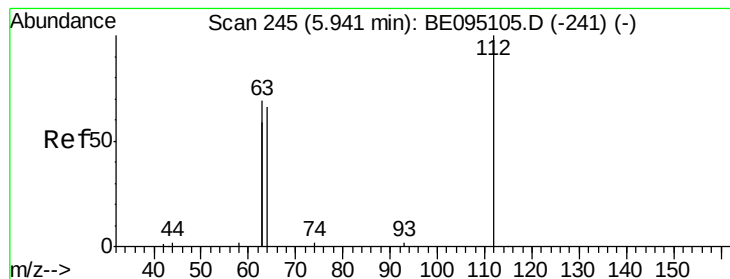


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.042 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

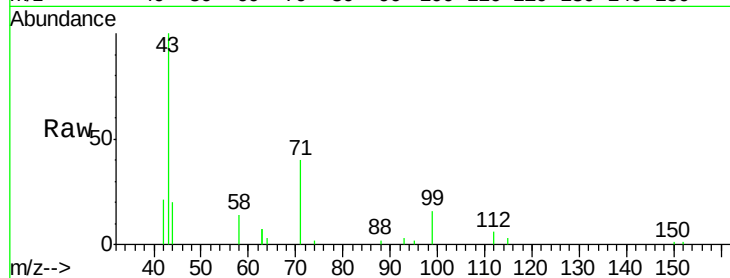
Tgt Ion: 112 Resp: 387

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

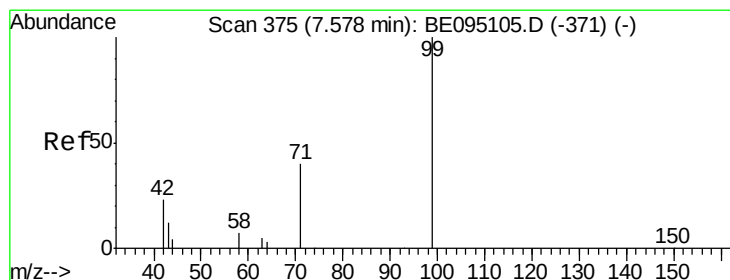
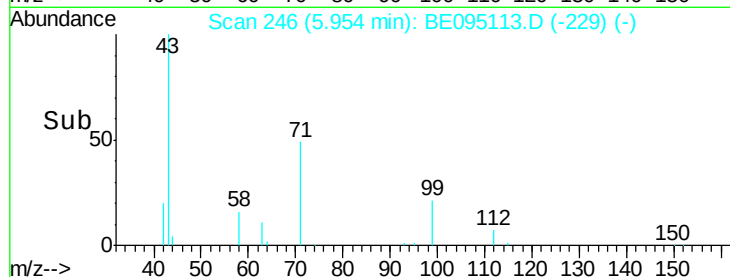
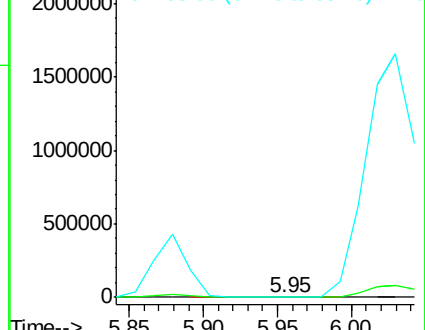
63 0.0 116.8 175.2#



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: 0.033 ng

RT: 7.58 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

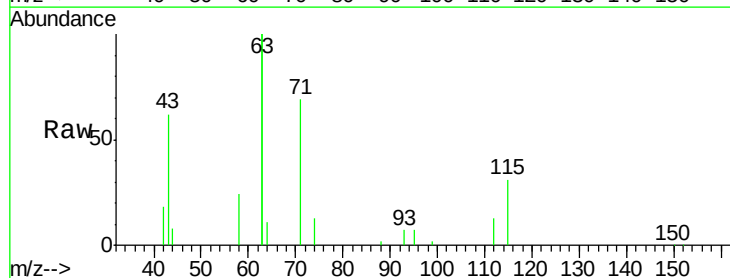
Tgt Ion: 99 Resp: 456

Ion Ratio Lower Upper

99 100

42 1151.1 20.2 30.2#

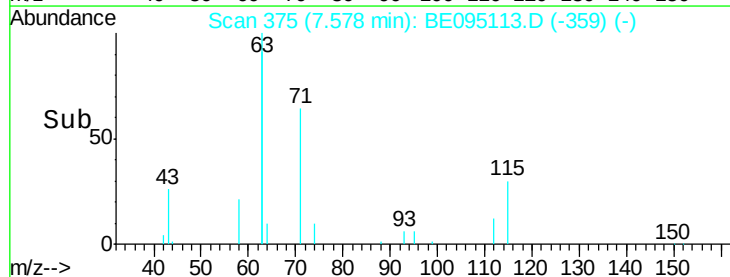
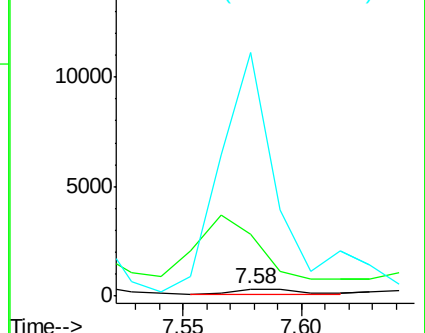
71 4344.5 28.4 42.6#

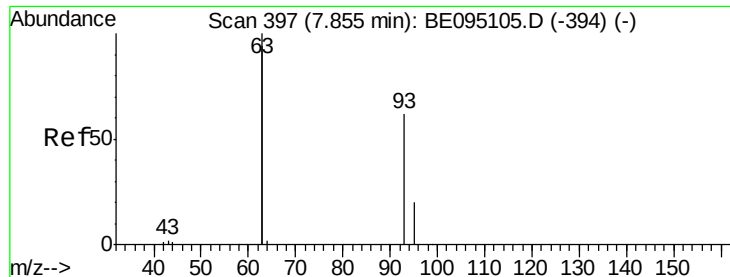


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.029 ng

RT: 7.88 min Scan# 399

Delta R.T. 0.03 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

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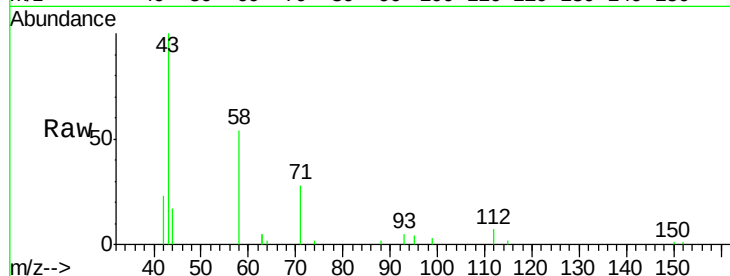
Tgt Ion: 93 Resp: 375

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

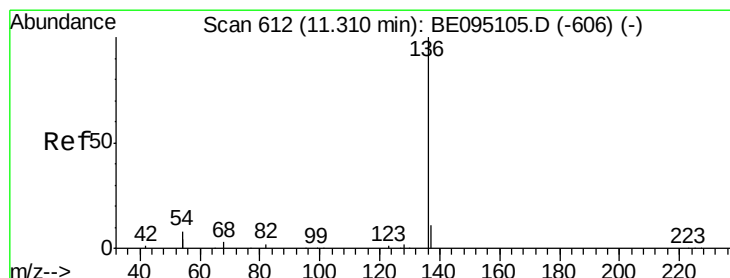
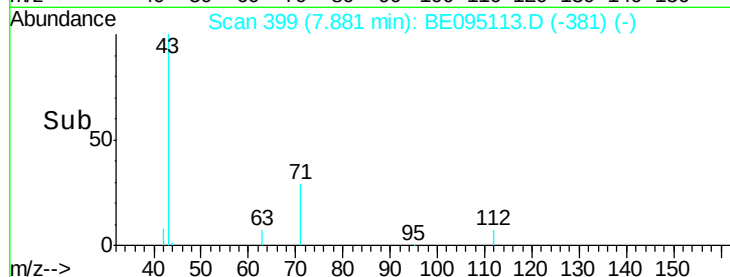
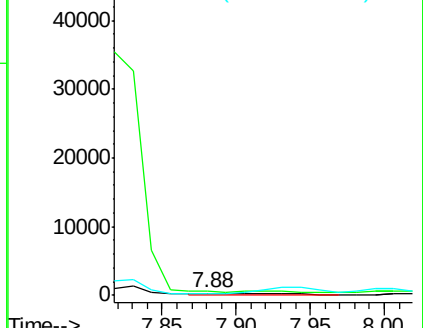
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.34 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Tgt Ion: 136 Resp: 55927

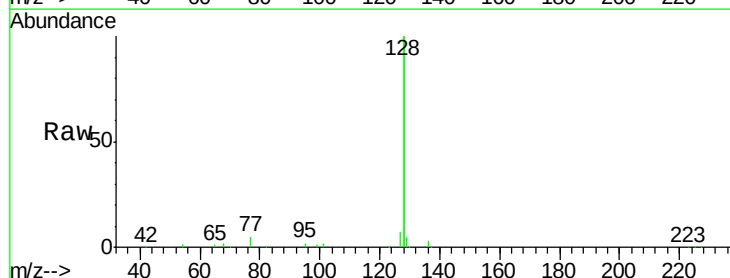
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 65.7 29.1 43.7#

68 48.1 6.2 9.2#

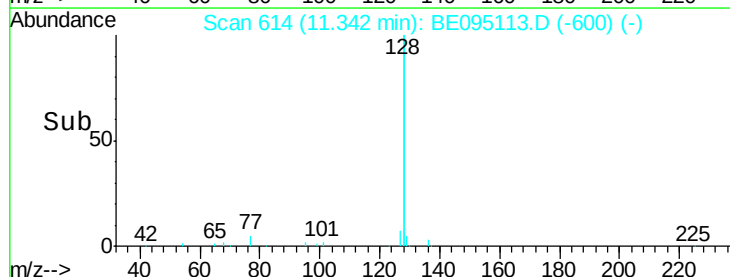
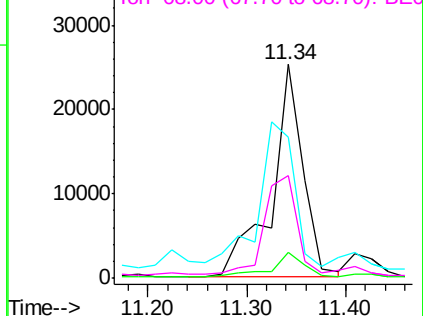


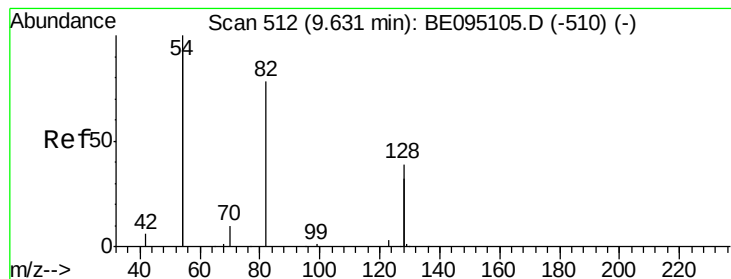
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.068 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

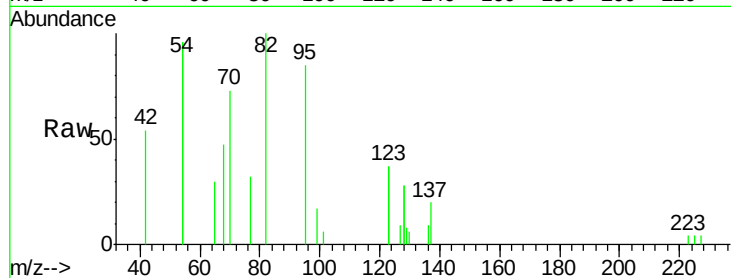
Tgt Ion: 82 Resp: 3456

Ion Ratio Lower Upper

82 100

128 55.4 150.0 225.0#

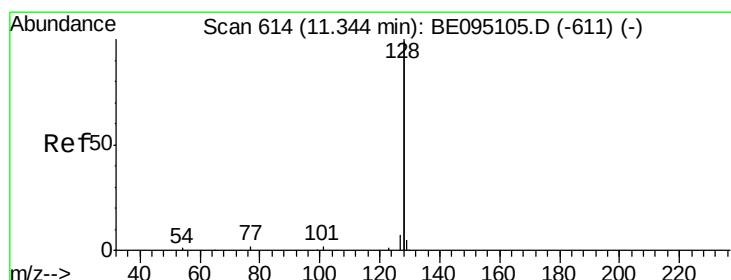
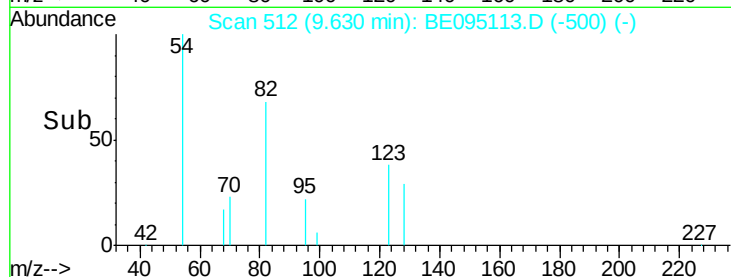
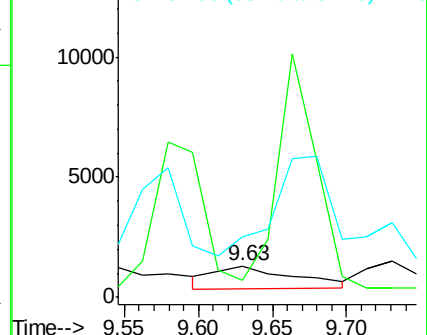
54 192.0 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 5.445 ng

RT: 11.36 min Scan# 615

Delta R.T. 0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

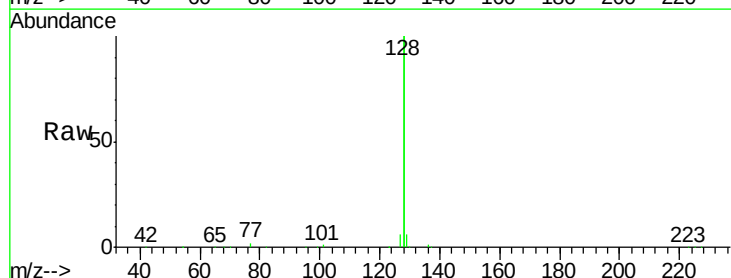
Tgt Ion: 128 Resp: 3484400

Ion Ratio Lower Upper

128 100

129 2.9 2.6 3.8

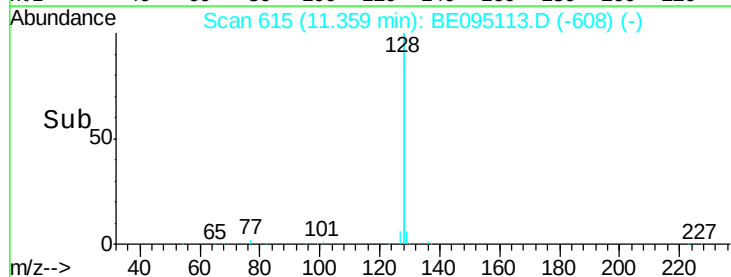
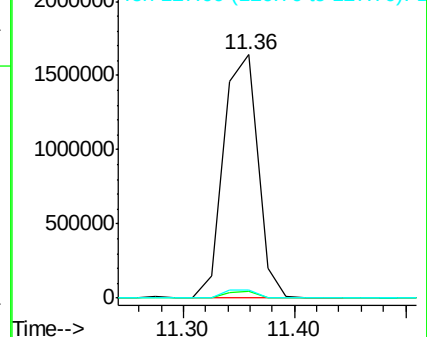
127 3.2 2.8 4.2

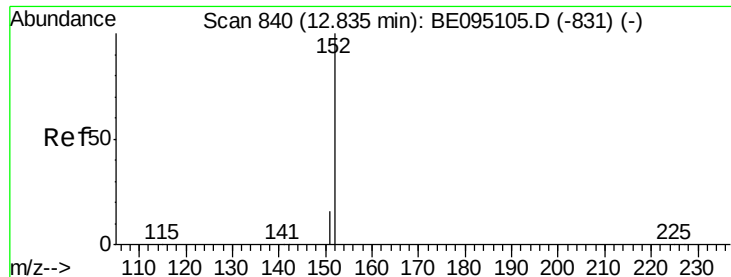


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

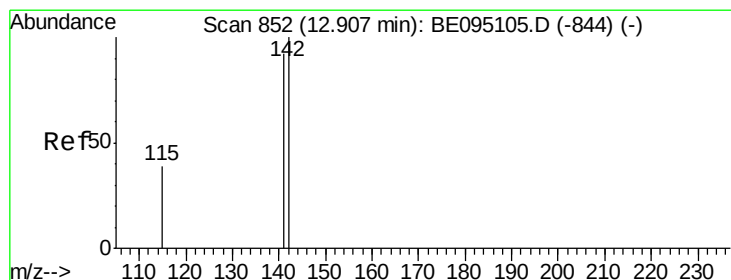
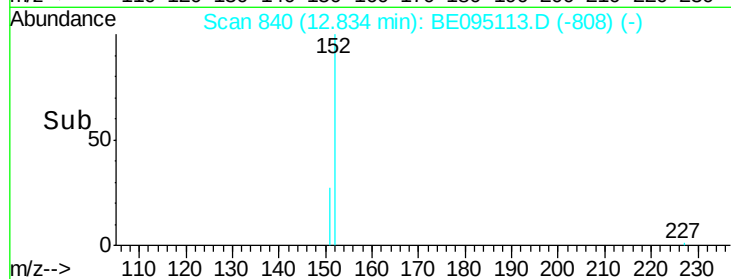
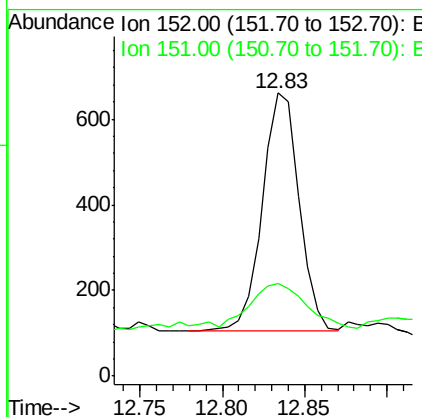
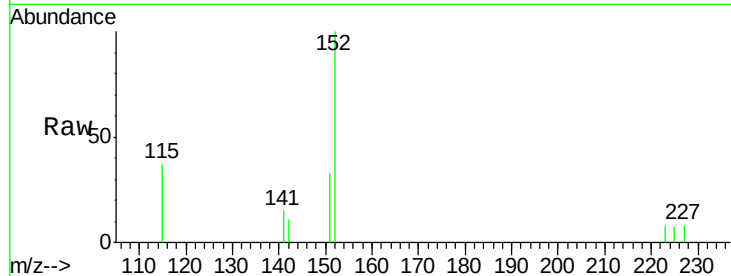




#11
 2-Methylnaphthalene-d10
 Concen: 0.009 ng
 RT: 12.83 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE095113.D
 Acq: 25 Jan 2018 13:04

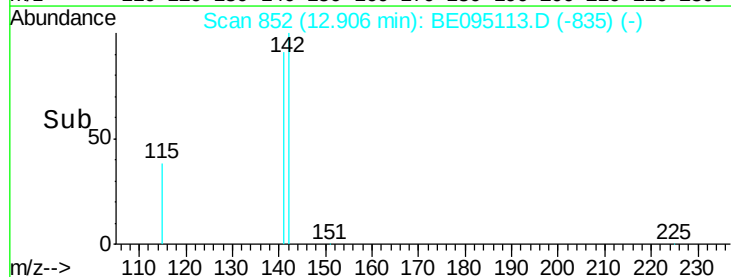
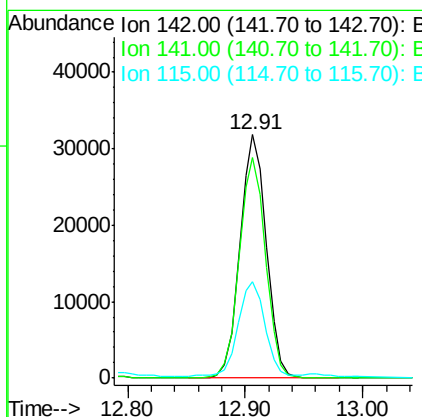
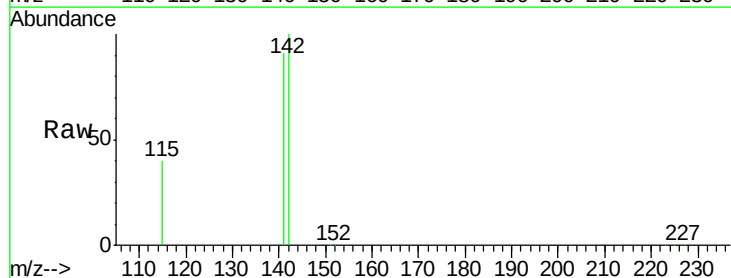
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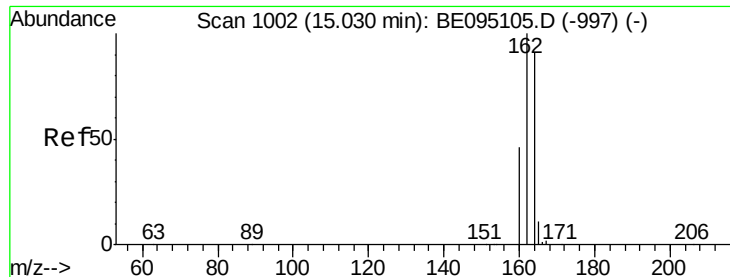
Tgt Ion:152 Resp: 860
 Ion Ratio Lower Upper
 152 100
 151 31.7 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.449 ng
 RT: 12.91 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BE095113.D
 Acq: 25 Jan 2018 13:04

Tgt Ion:142 Resp: 49254
 Ion Ratio Lower Upper
 142 100
 141 90.7 70.4 105.6
 115 39.7 31.7 47.5

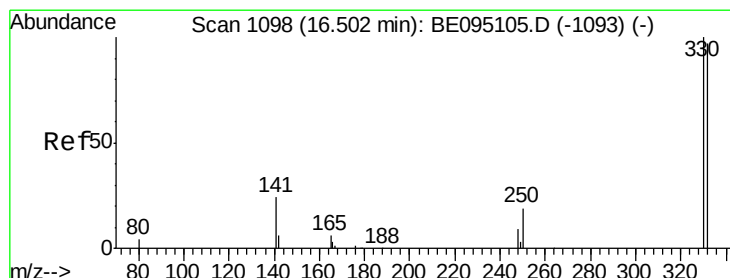
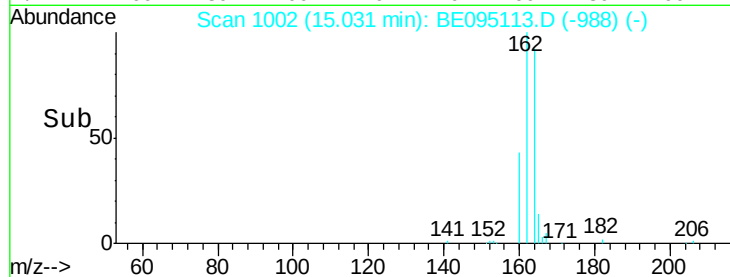
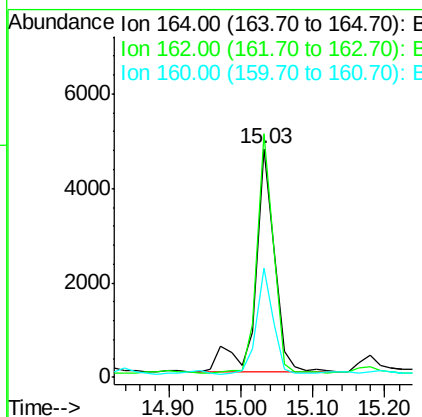
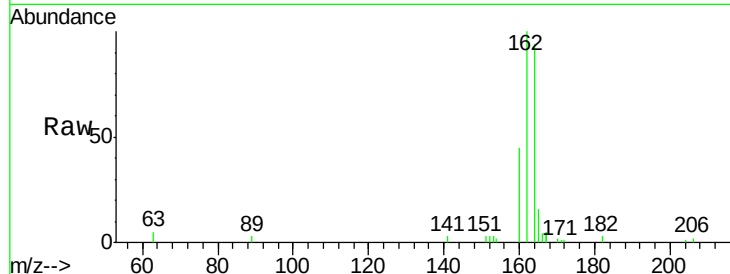




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.03 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: BE095113.D
 Acq: 25 Jan 2018 13:04

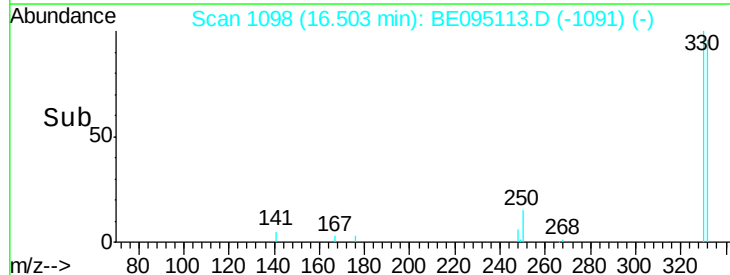
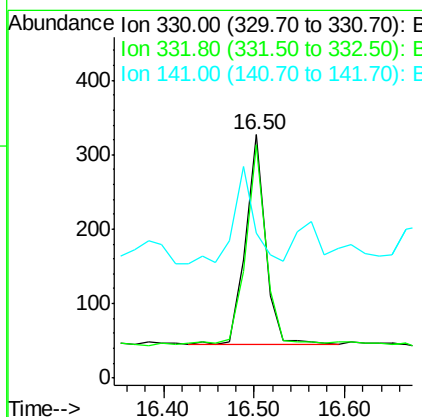
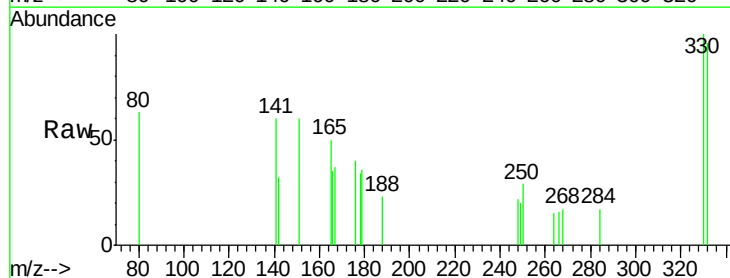
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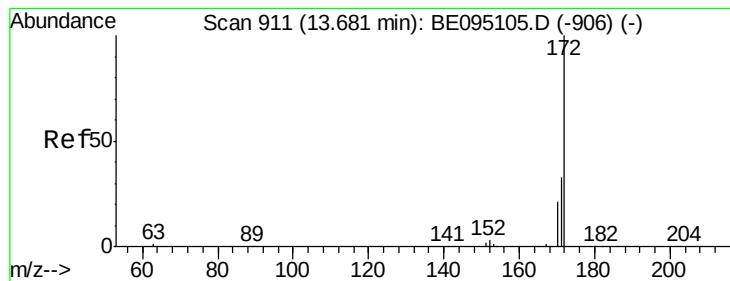
Tgt Ion:	164	Resp:	8750
Ion	Ratio	Lower	Upper
164	100		
162	106.6	83.1	124.7
160	47.7	37.1	55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.242 ng
 RT: 16.50 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: BE095113.D
 Acq: 25 Jan 2018 13:04

Tgt Ion:	330	Resp:	433
Ion	Ratio	Lower	Upper
330	100		
332	95.8	152.7	229.1#
141	47.3	33.7	50.5

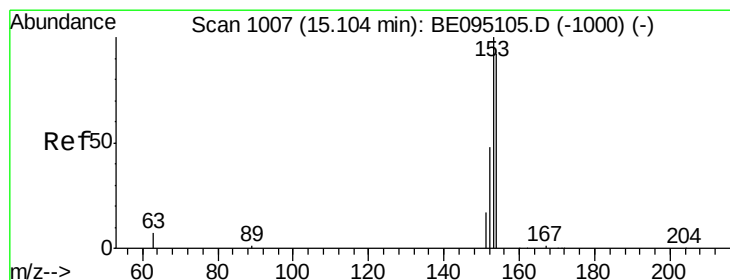
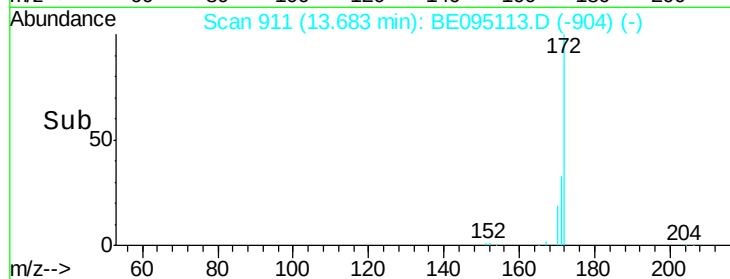
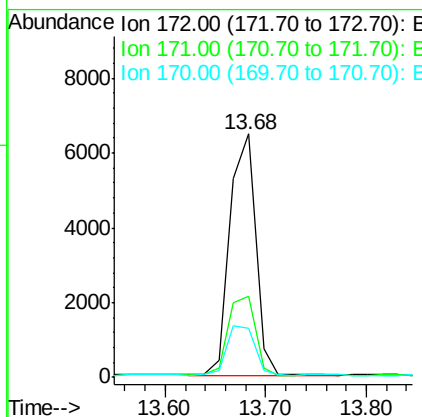
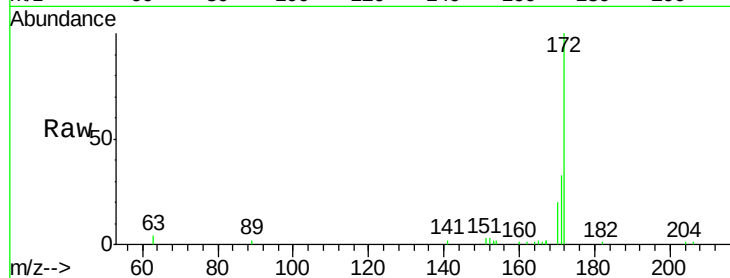




#15
2-Fluorobiphenyl
Concen: 0.297 ng
RT: 13.68 min Scan# 911
Delta R.T. 0.00 min
Lab File: BE095113.D
Acq: 25 Jan 2018 13:04

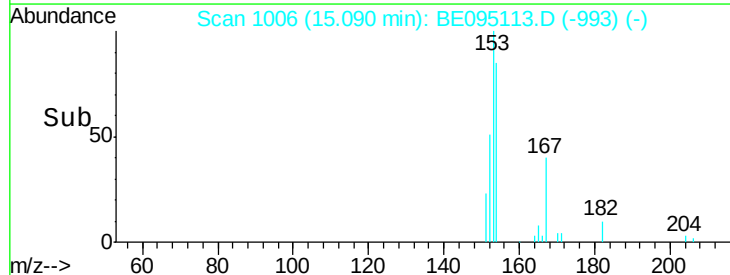
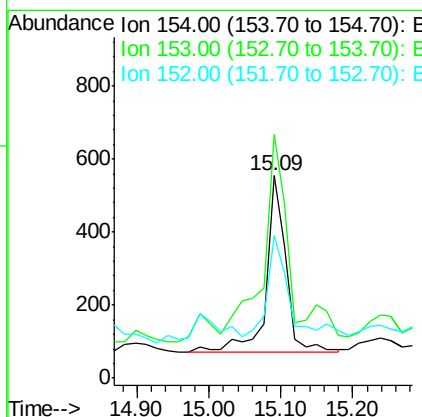
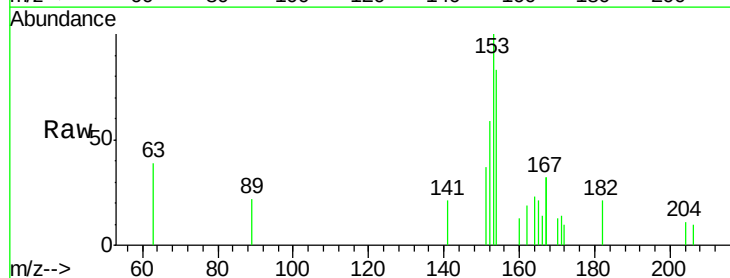
Instrument :
BNA_E
ClientSampleId :
TW-3DL

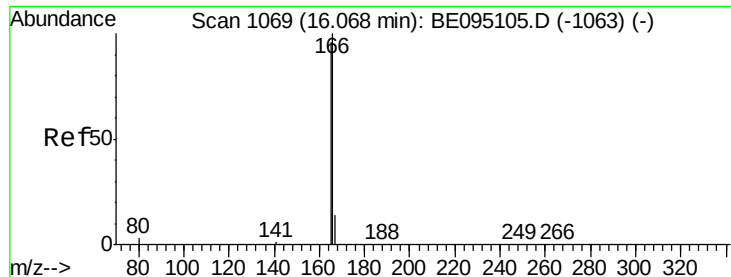
Tgt Ion:172 Resp: 11433
Ion Ratio Lower Upper
172 100
171 33.3 29.9 44.9
170 20.1 21.8 32.8#



#17
Acenaphthene
Concen: 0.030 ng
RT: 15.09 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BE095113.D
Acq: 25 Jan 2018 13:04

Tgt Ion:154 Resp: 925
Ion Ratio Lower Upper
154 100
153 131.2 89.2 133.8
152 65.4 42.0 63.0#





#18

Fluorene

Concen: 0.036 ng

RT: 16.05 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

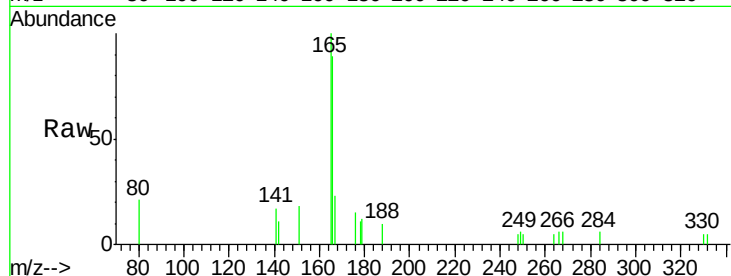
Tgt Ion:166 Resp: 1375

Ion Ratio Lower Upper

166 100

165 107.1 77.8 116.6

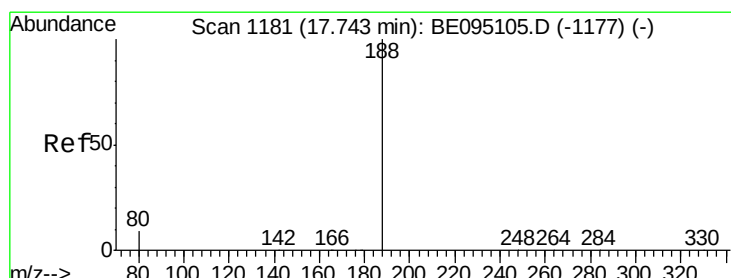
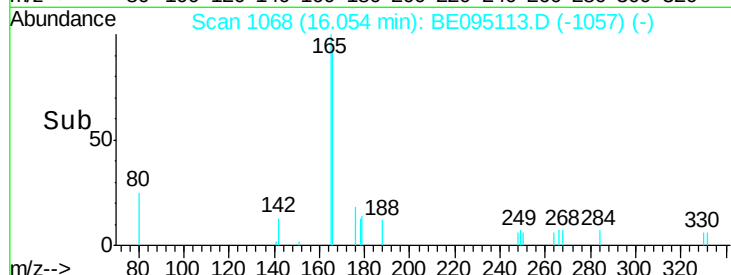
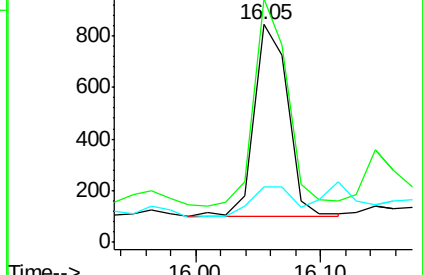
167 22.2 42.4 63.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

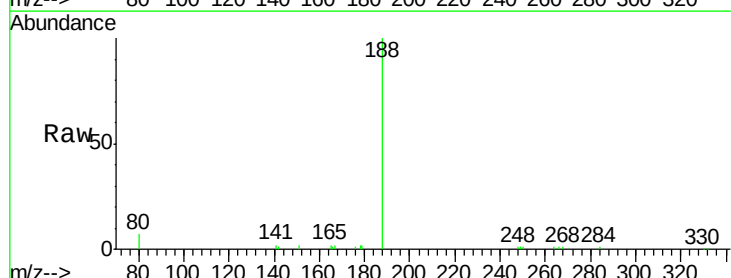
Tgt Ion:188 Resp: 17633

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

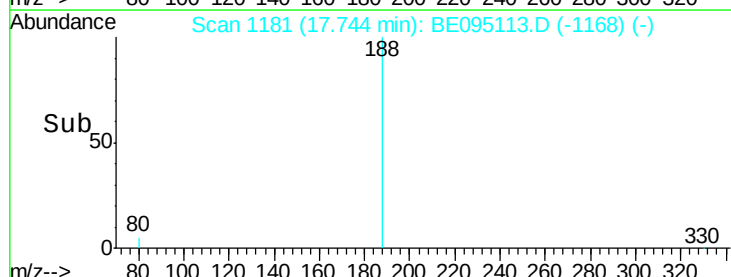
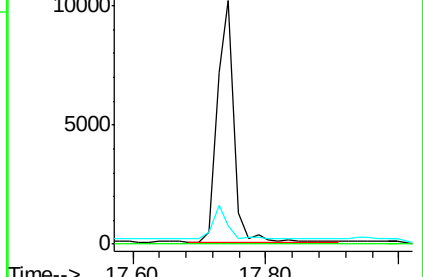
80 7.3 3.6 5.4#

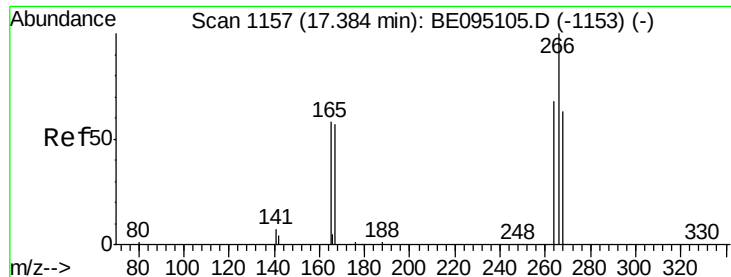


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 2.850 ng

RT: 17.38 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

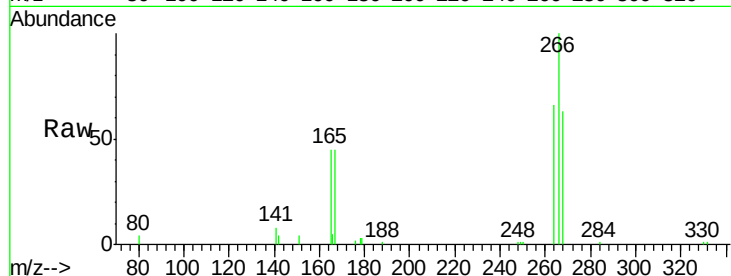
Tgt Ion:266 Resp: 10005

Ion Ratio Lower Upper

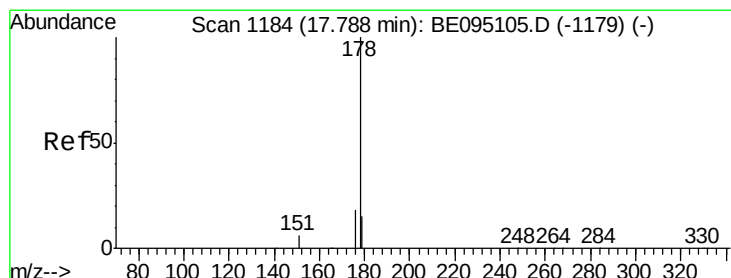
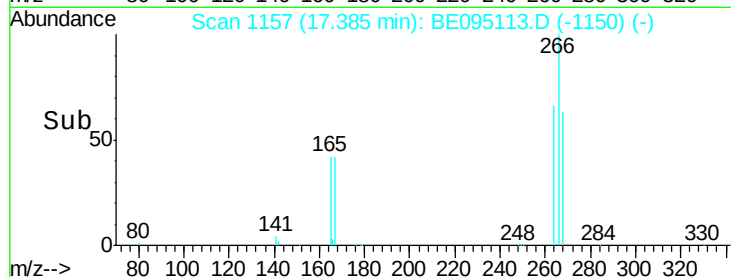
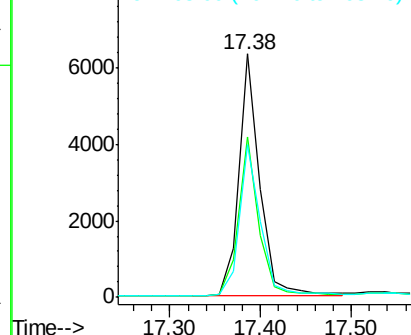
266 100

264 66.0 72.5 108.7#

268 62.9 73.8 110.6#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 0.042 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

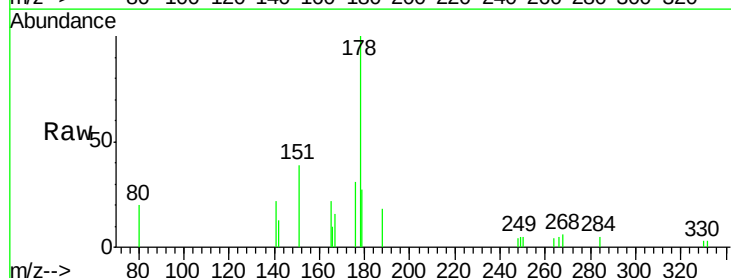
Tgt Ion:178 Resp: 2277

Ion Ratio Lower Upper

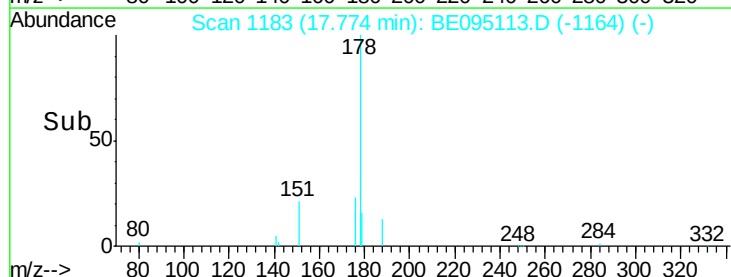
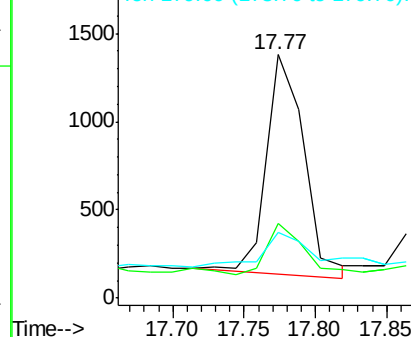
178 100

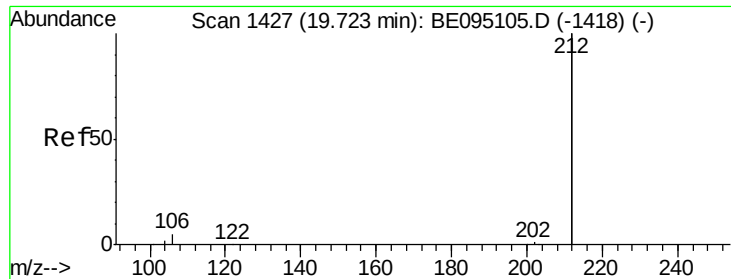
176 24.2 15.1 22.7#

179 16.8 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.044 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

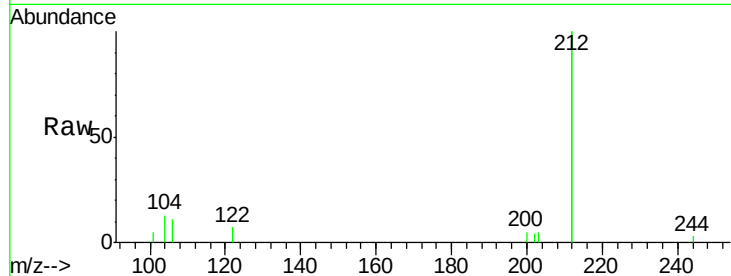
Tgt Ion:212 Resp: 9714

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

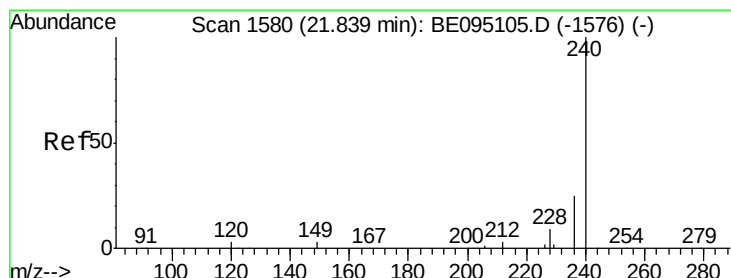
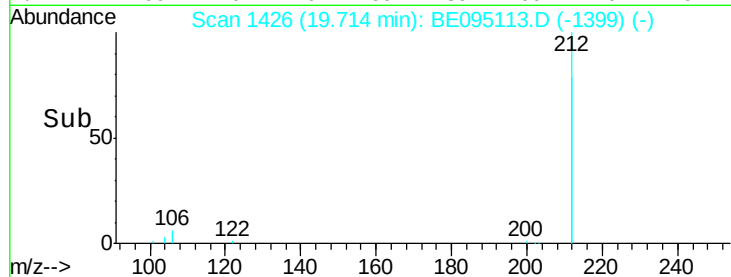
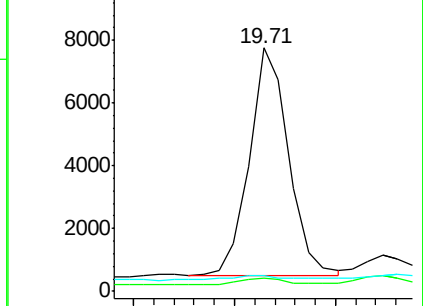
104 2.9 1.6 2.4#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

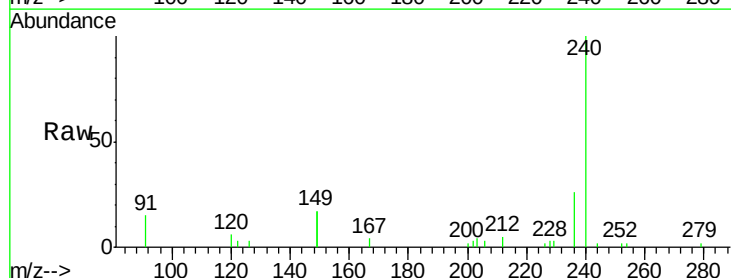
Tgt Ion:240 Resp: 17224

Ion Ratio Lower Upper

240 100

120 5.6 5.5 8.3

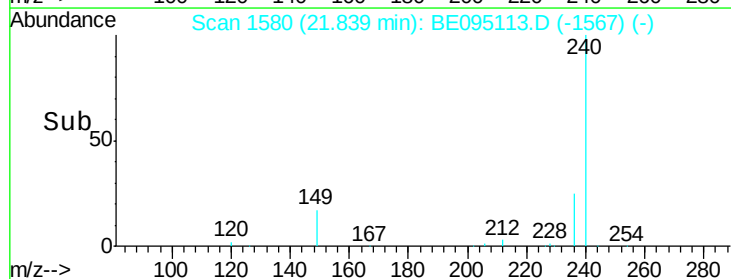
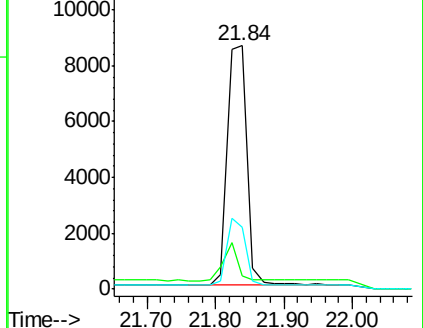
236 25.6 20.7 31.1

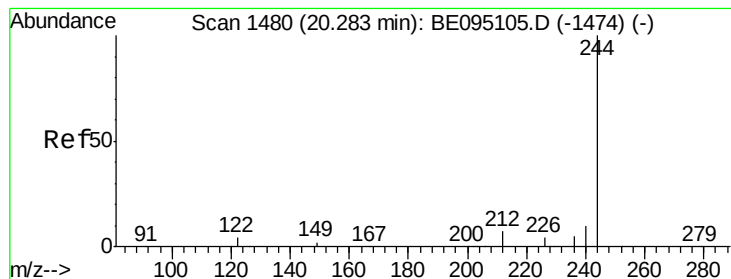


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 2.254 ng

RT: 20.28 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

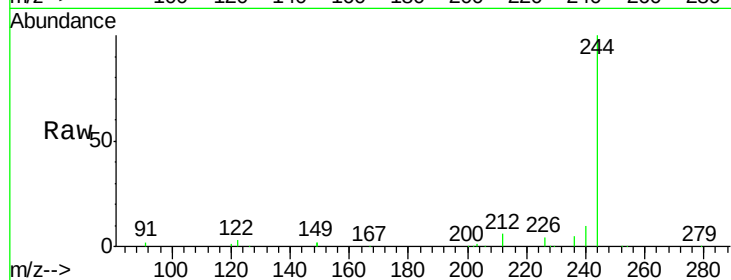
Tgt Ion:244 Resp: 79481

Ion Ratio Lower Upper

244 100

212 5.9 25.4 38.0#

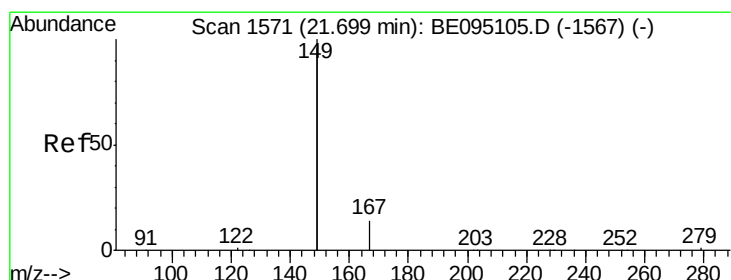
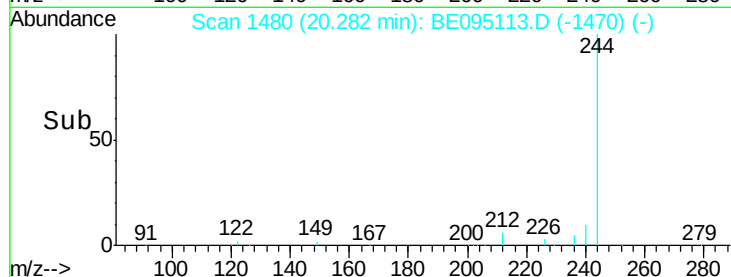
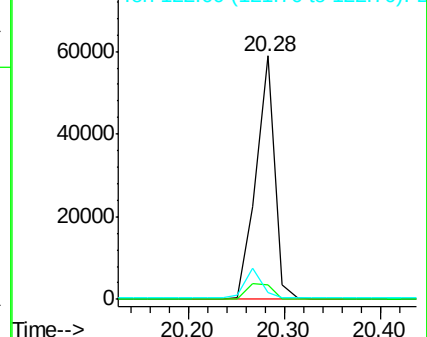
122 2.6 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.248 ng

RT: 21.70 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

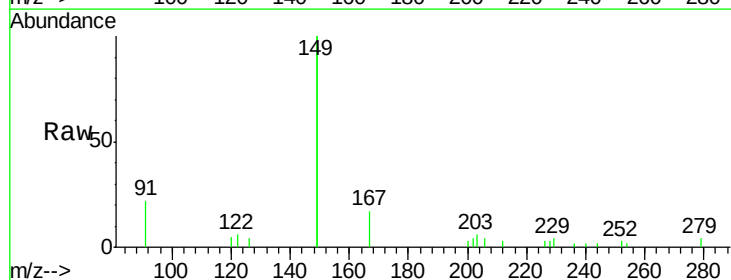
Tgt Ion:149 Resp: 18549

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

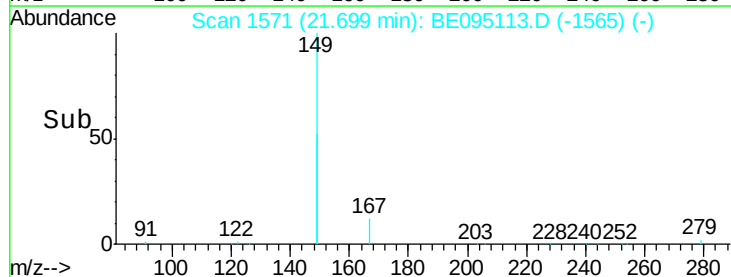
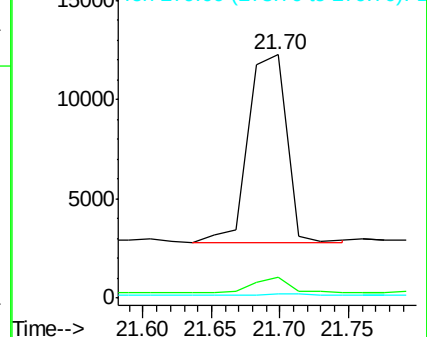
279 1.0 0.7 1.1

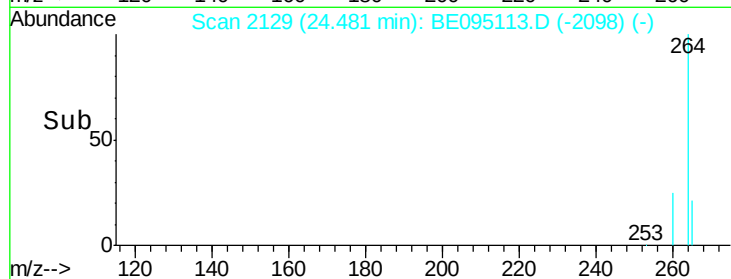
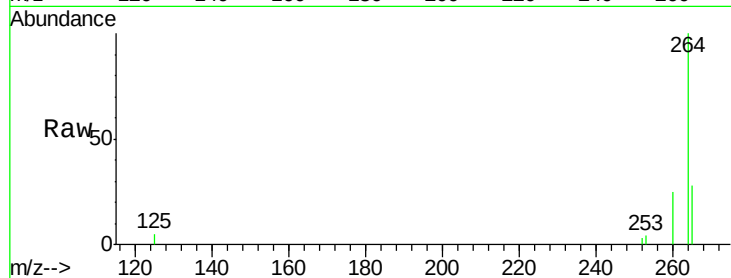
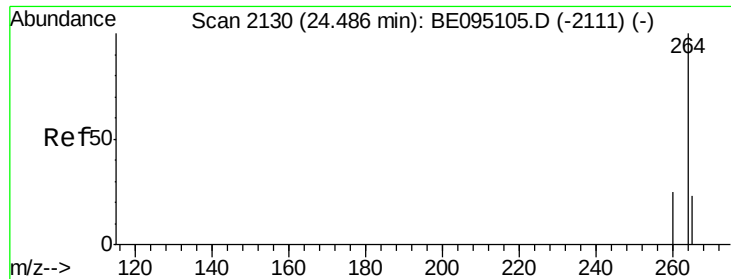


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.48 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BE095113.D

Acq: 25 Jan 2018 13:04

Instrument :

BNA_E

ClientSampleId :

TW-3DL

Tgt Ion:264 Resp: 16041

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 28.0 22.8 34.2

