

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
 Data File : BE095056.D
 Acq On : 26 Dec 2017 15:15
 Operator : SJ/JU
 Sample : I7004-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-5-121817

Quant Time: Dec 26 16:28:27 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6049	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	13898	0.40	ng	-0.02
13) Acenaphthene-d10	15.03	164	12371	0.40	ng	-0.03
19) Phenanthrene-d10	17.74	188	17853	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	19191	0.40	ng	-0.03
34) Perylene-d12	24.49	264	17529	0.40	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.96	112	4190	0.45	ng	0.00
5) Phenol-d6	7.58	99	2088	0.15	ng	0.00
8) Nitrobenzene-d5	9.63	82	7558	0.66	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	9545	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	1645	0.57	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	17693	0.32	ng	-0.01
25) Fluoranthene-d10	19.72	212	95795	0.41	ng	-0.03
29) Terphenyl-d14	20.28	244	21271	0.59	ng	-0.03

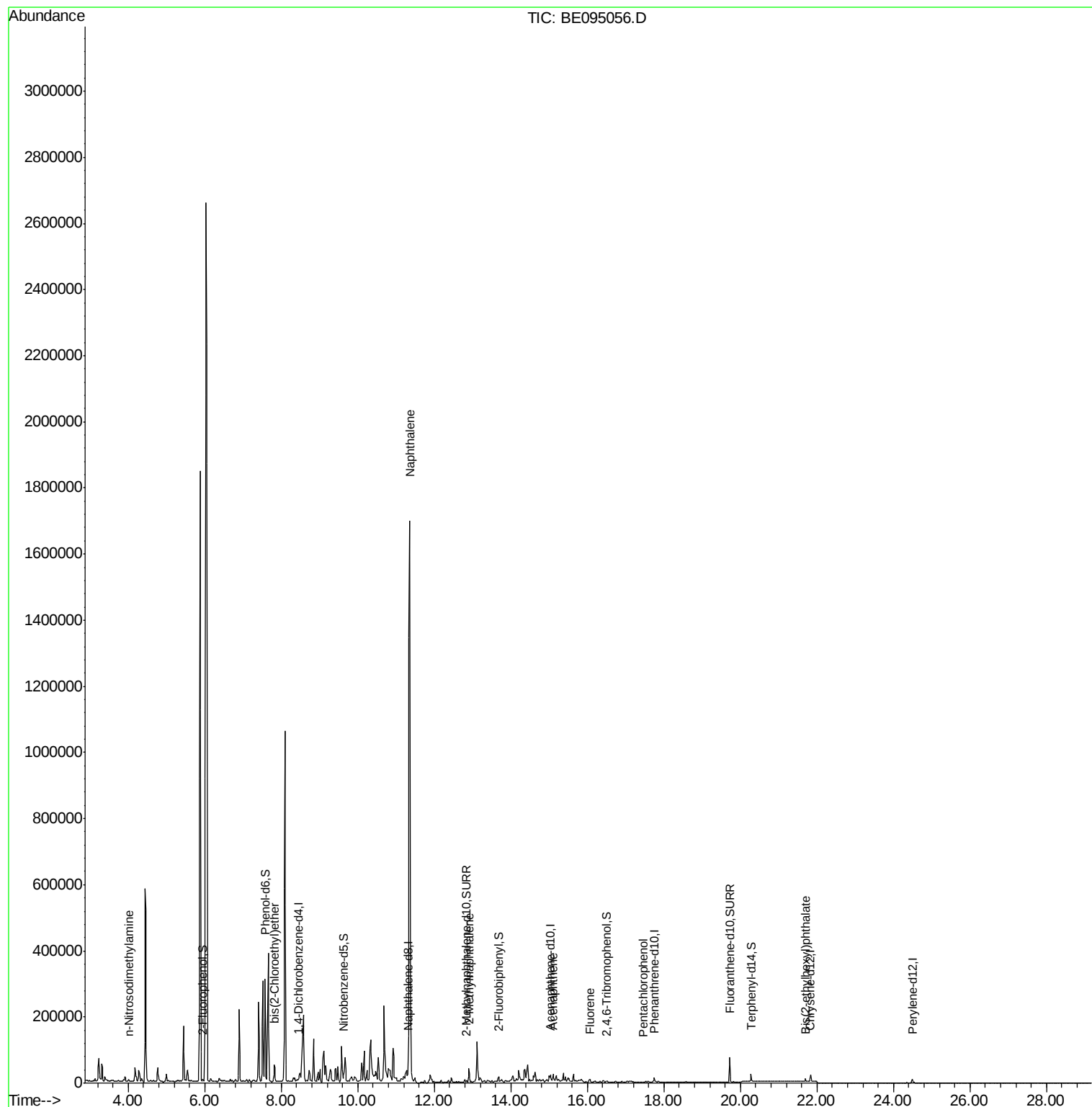
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	4.02	42	3014	0.428	ng	# 4
6) bis(2-Chloroethyl)ether	7.83	93	1558	0.114	ng	# 1
9) Naphthalene	11.36	128	3164512	19.390	ng	# 99
12) 2-Methylnaphthalene	12.91	142	28203	0.693	ng	# 92
17) Acenaphthene	15.11	154	3353	0.076	ng	# 43
18) Fluorene	16.07	166	6944	0.127	ng	# 84
22) Pentachlorophenol	17.48	266	14	0.084	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.70	149	8986	0.126	ng	# 99

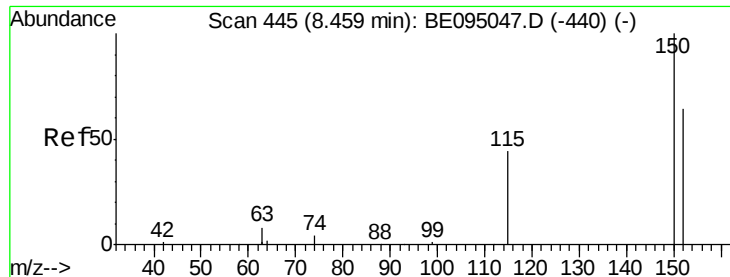
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. -0.01 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

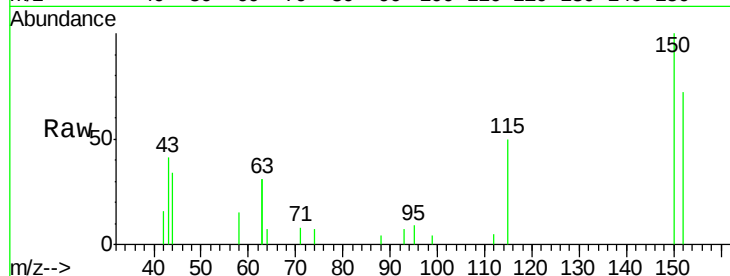
Tgt Ion:152 Resp: 6049

Ion Ratio Lower Upper

152 100

150 138.8 117.2 175.8

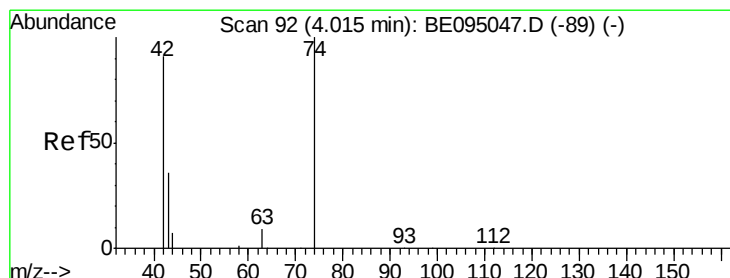
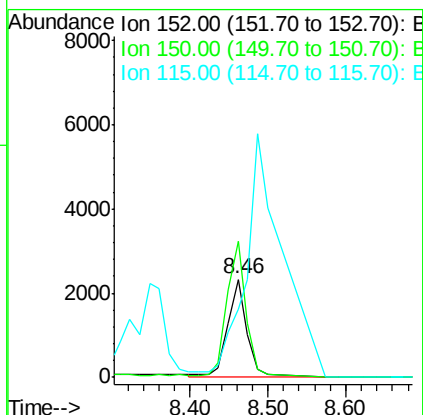
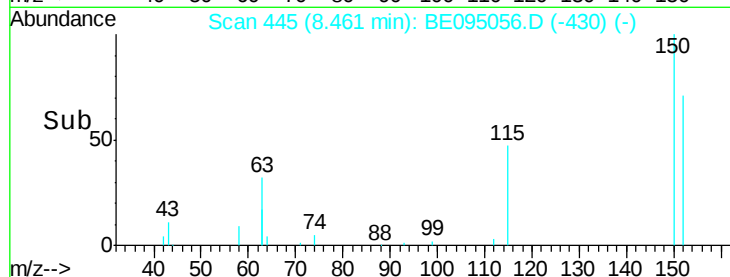
115 69.6 57.0 85.6



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: 0.428 ng

RT: 4.02 min Scan# 92

Delta R.T. 0.00 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

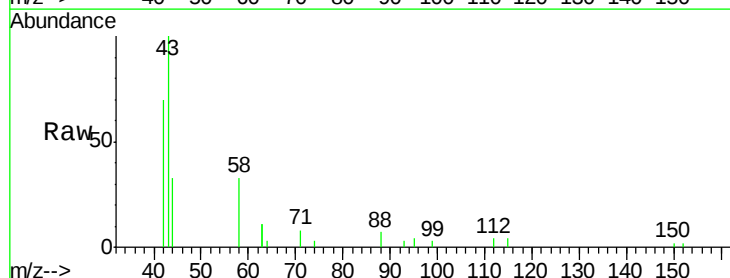
Tgt Ion: 42 Resp: 3014

Ion Ratio Lower Upper

42 100

74 0.8 96.0 144.0#

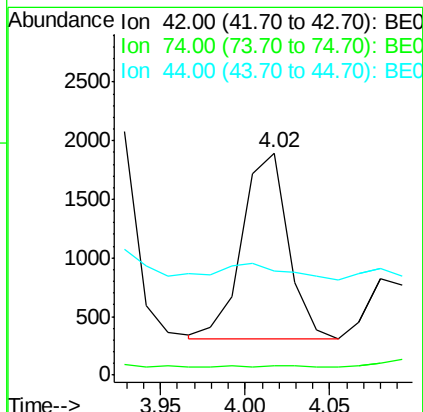
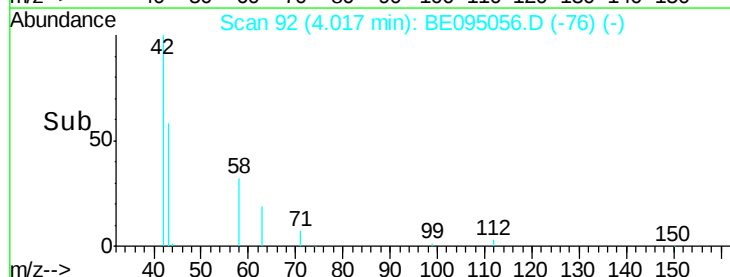
44 10.8 12.0 18.0#

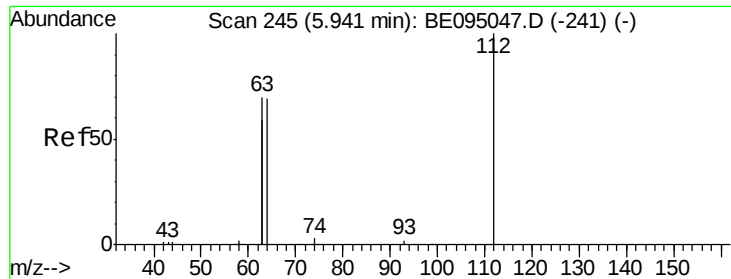


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.446 ng

RT: 5.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

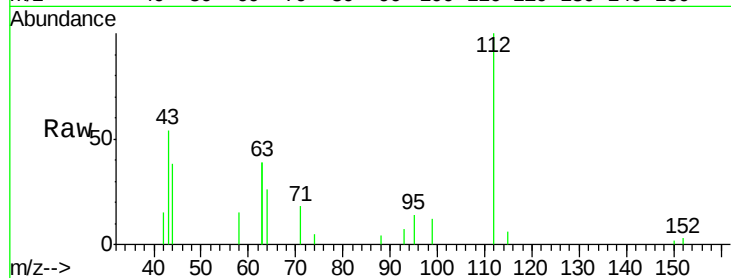
Tgt Ion: 112 Resp: 4190

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

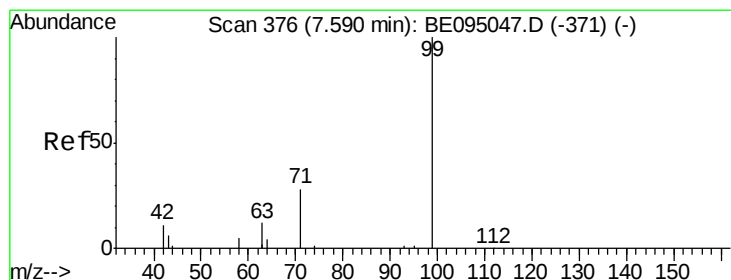
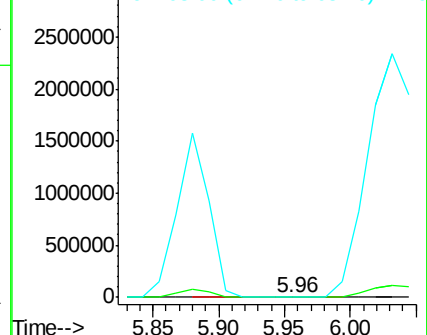
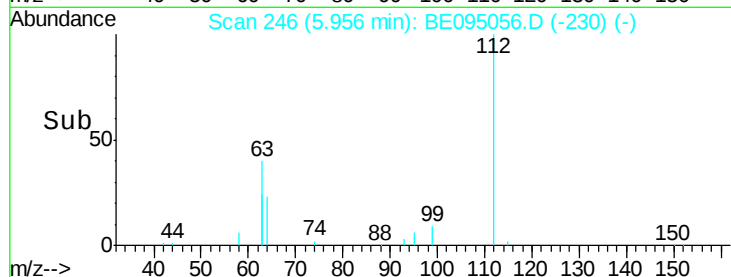
63 0.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.150 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

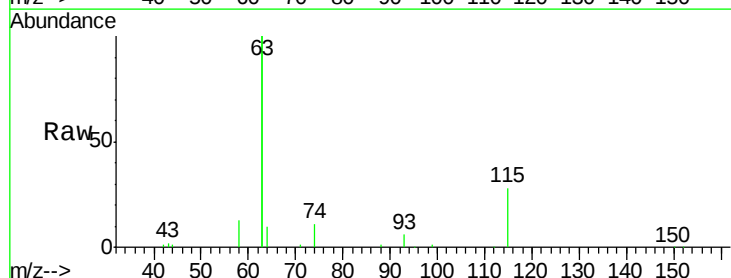
Tgt Ion: 99 Resp: 2088

Ion Ratio Lower Upper

99 100

42 98.5 20.2 30.2#

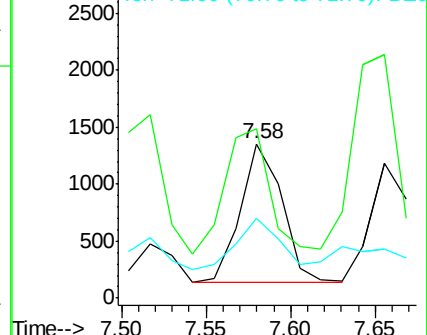
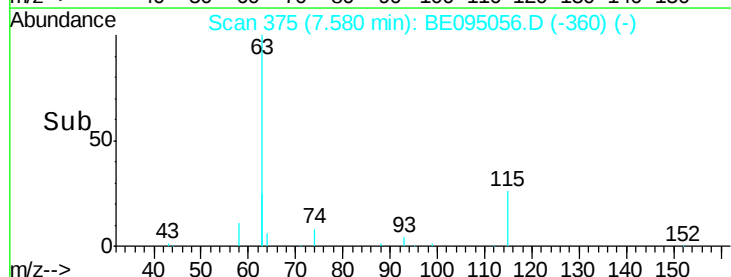
71 38.8 28.4 42.6

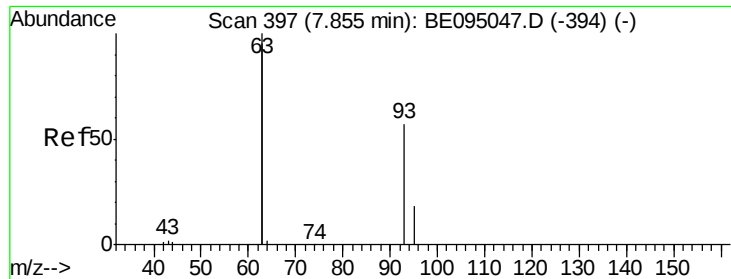


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.114 ng

RT: 7.83 min Scan# 395

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

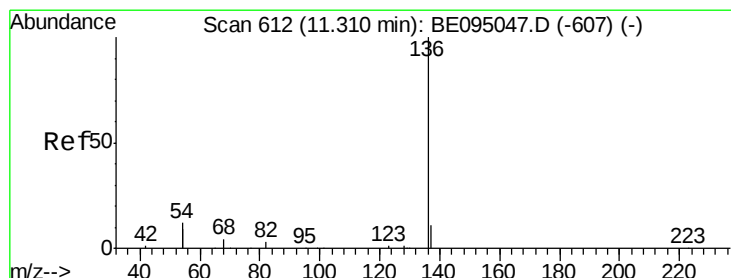
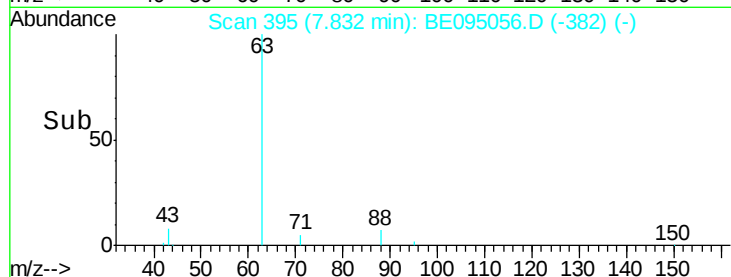
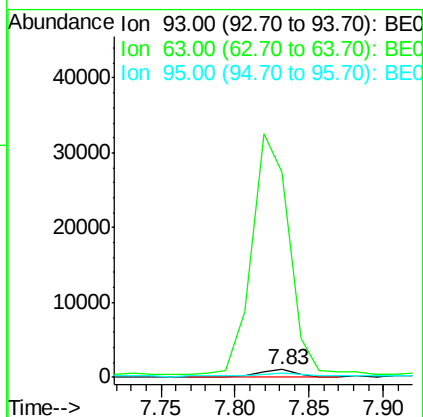
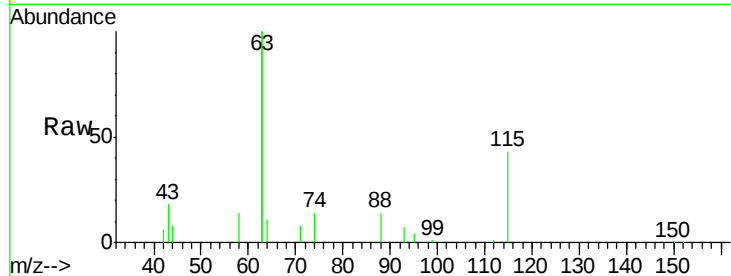
Tgt Ion: 93 Resp: 1558

Ion Ratio Lower Upper

93 100

63 3581.3 275.3 412.9#

95 80.6 25.2 37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Tgt Ion: 136 Resp: 13898

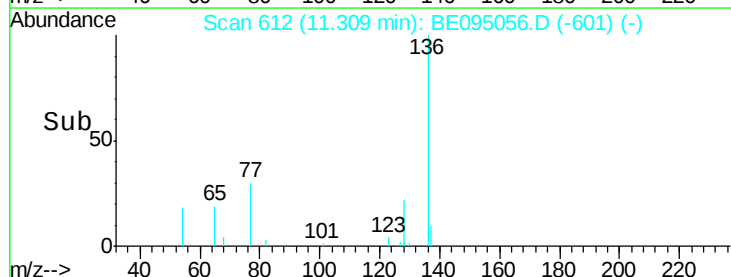
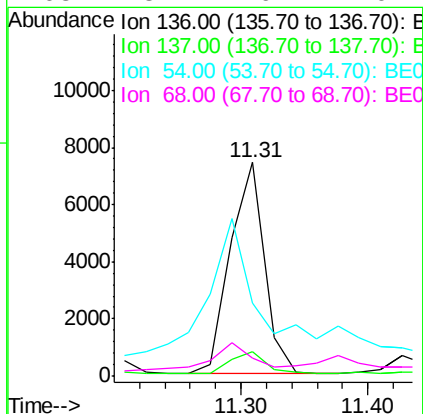
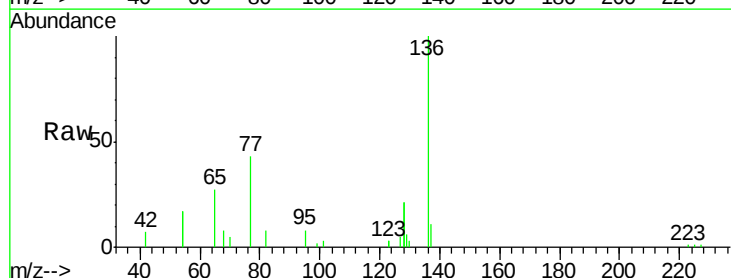
Ion Ratio Lower Upper

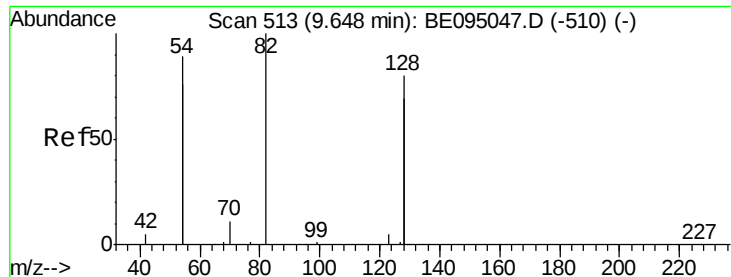
136 100

137 11.2 9.5 14.3

54 34.2 29.1 43.7

68 8.4 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.663 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

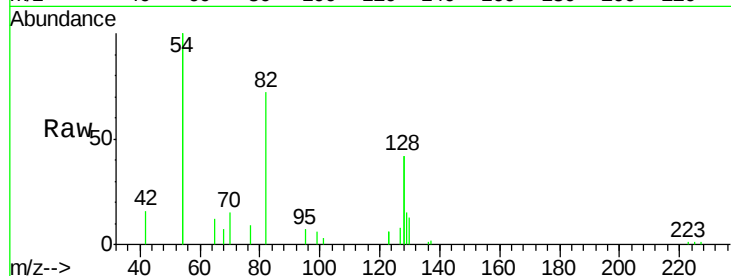
Tgt Ion: 82 Resp: 7558

Ion Ratio Lower Upper

82 100

128 117.3 150.0 225.0#

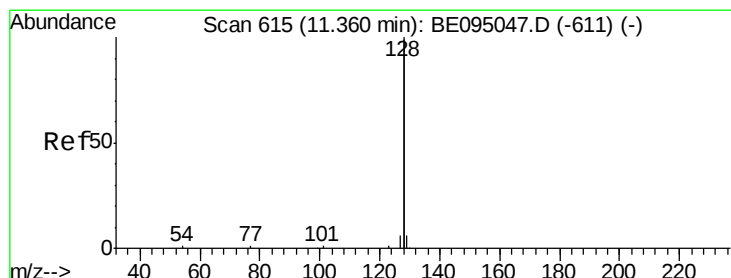
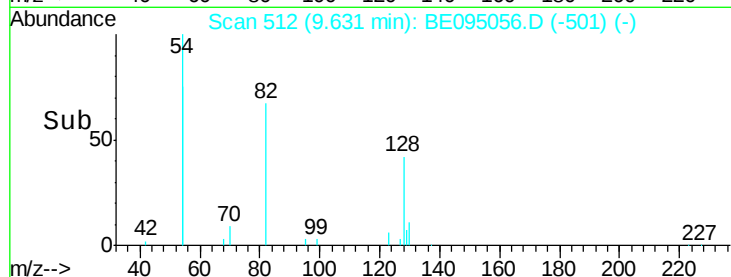
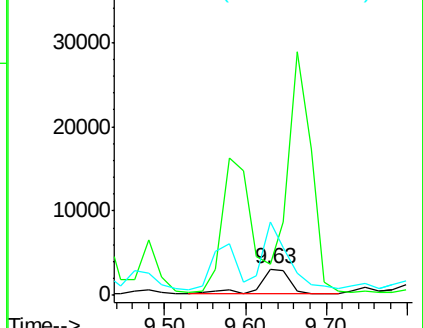
54 278.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095047.D (-510) (-)

Ion 128.00 (127.70 to 128.70): BE095047.D (-510) (-)

Ion 54.00 (53.70 to 54.70): BE095047.D (-510) (-)



#9

Naphthalene

Concen: 19.390 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

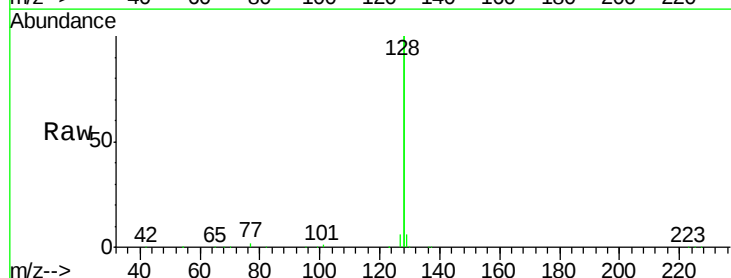
Tgt Ion: 128 Resp: 3164512

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

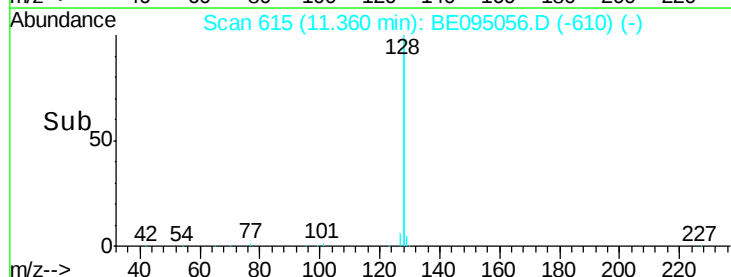
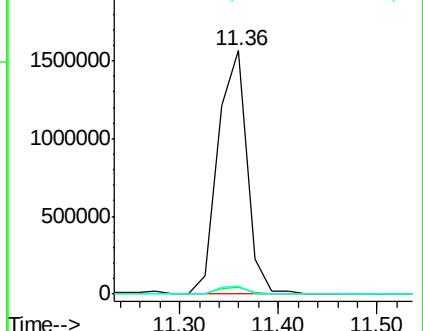
127 3.2 2.8 4.2

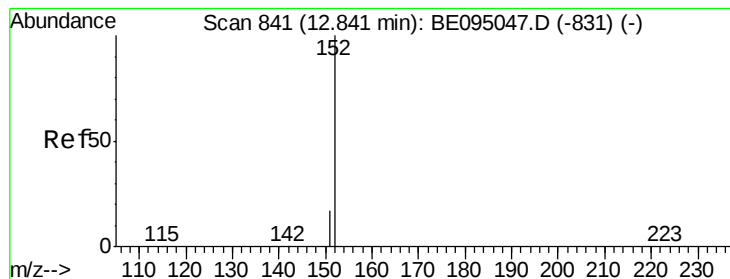


Abundance Ion 128.00 (127.70 to 128.70): BE095047.D (-611) (-)

Ion 129.00 (128.70 to 129.70): BE095047.D (-611) (-)

Ion 127.00 (126.70 to 127.70): BE095047.D (-611) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.419 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

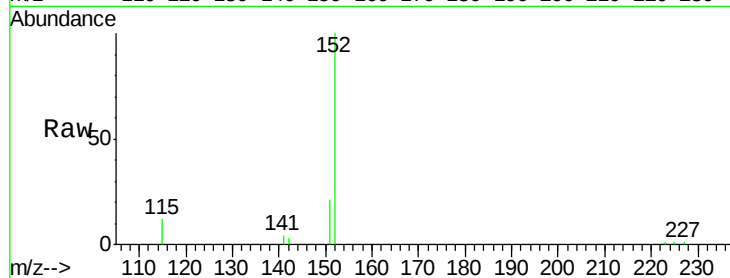
PR-MW-5-121817

Tgt Ion:152 Resp: 9545

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

12.84

6000

5000

4000

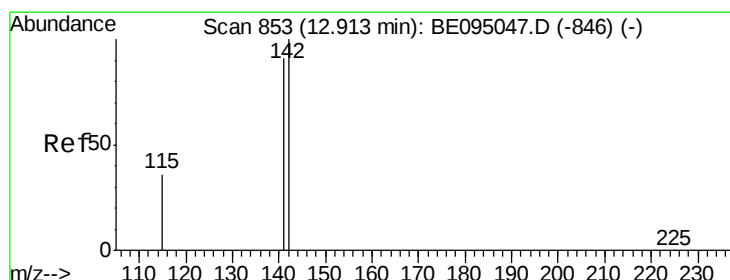
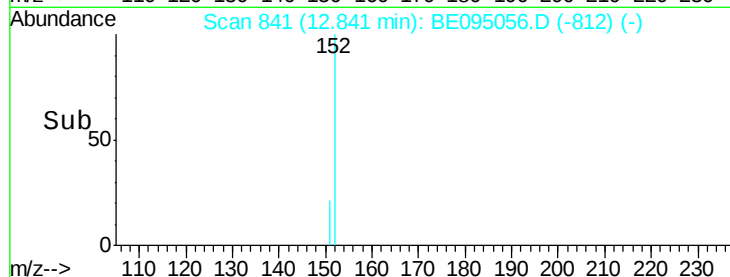
3000

2000

1000

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.693 ng

RT: 12.91 min Scan# 852

Delta R.T. -0.02 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

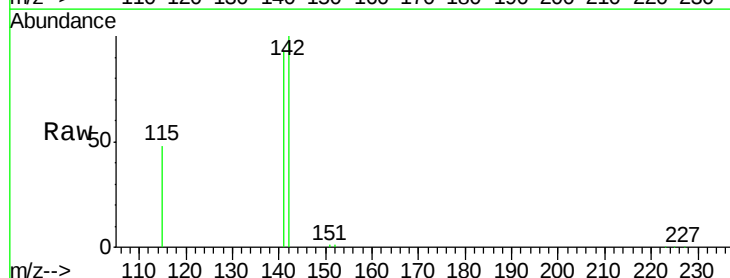
Tgt Ion:142 Resp: 28203

Ion Ratio Lower Upper

142 100

141 92.7 70.4 105.6

115 48.5 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.91

20000

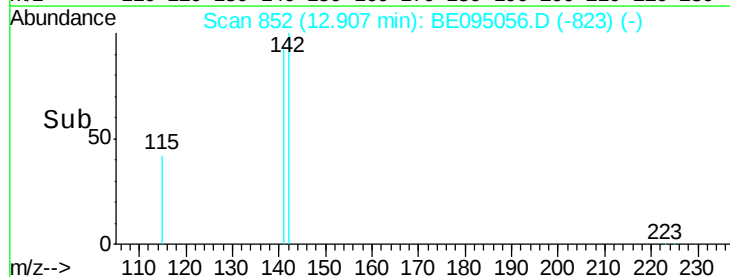
15000

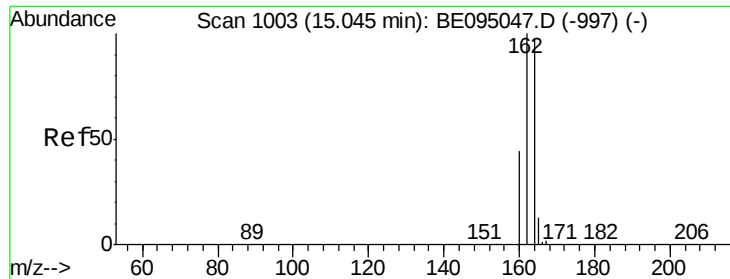
10000

5000

0

Time--> 12.80 12.90 13.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.03 min Scan# 1002

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

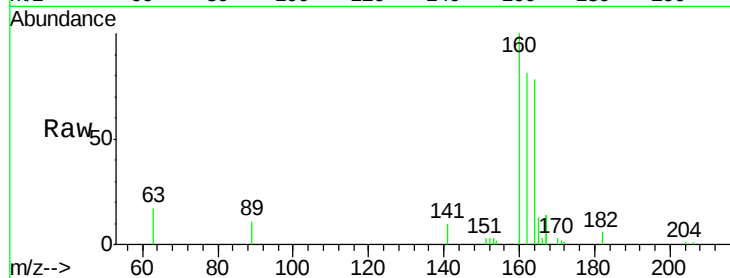
Tgt Ion:164 Resp: 12371

Ion Ratio Lower Upper

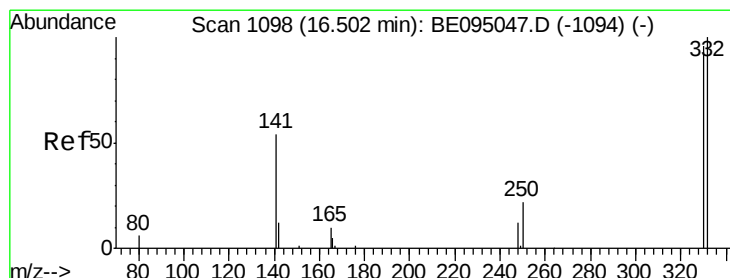
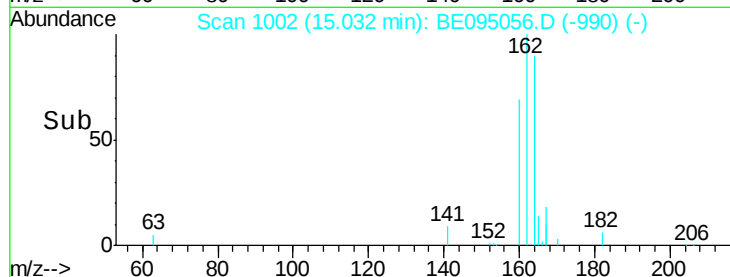
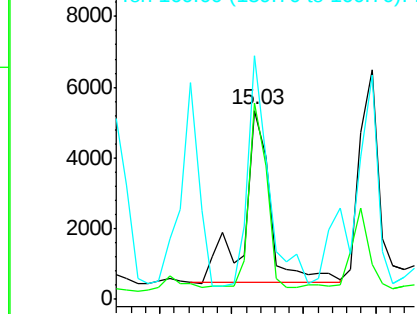
164 100

162 104.0 83.1 124.7

160 128.8 37.1 55.7#



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: 0.572 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

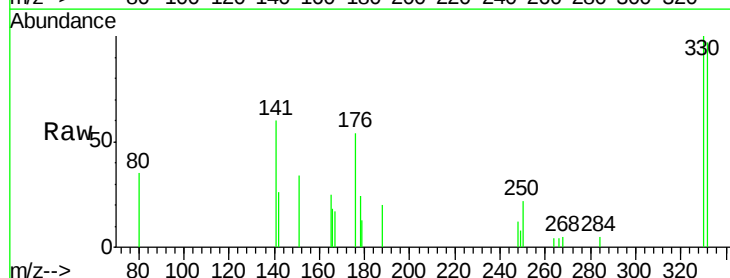
Tgt Ion:330 Resp: 1645

Ion Ratio Lower Upper

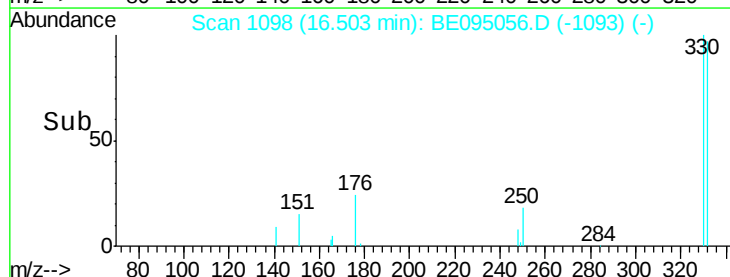
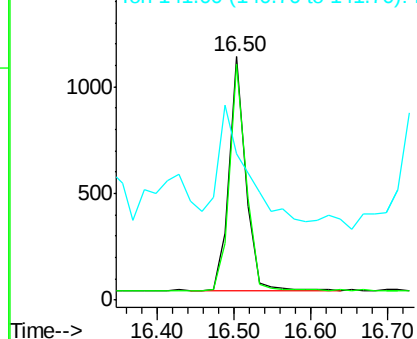
330 100

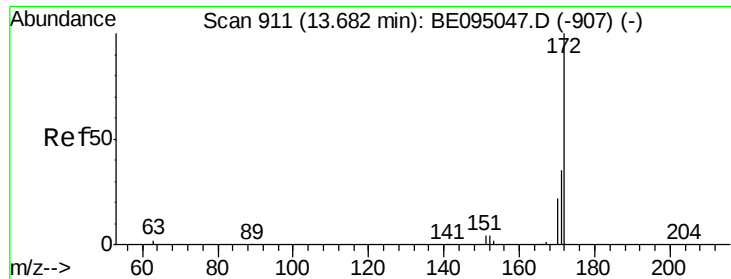
332 96.4 152.7 229.1#

141 79.5 33.7 50.5#



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

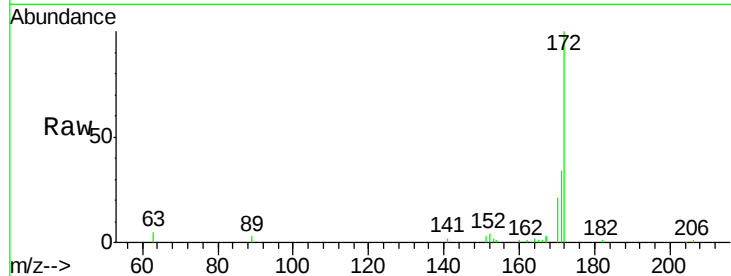




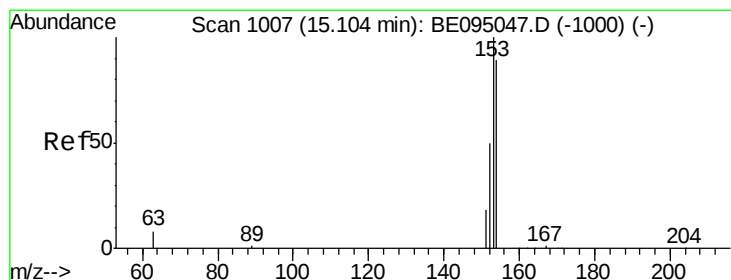
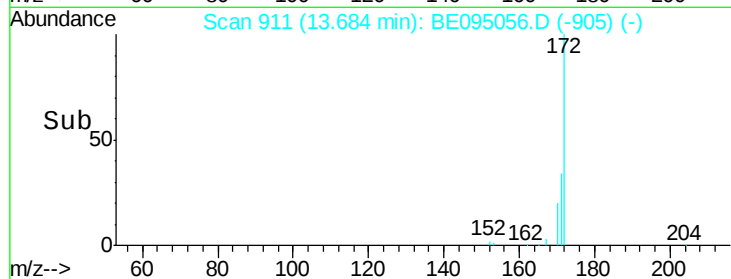
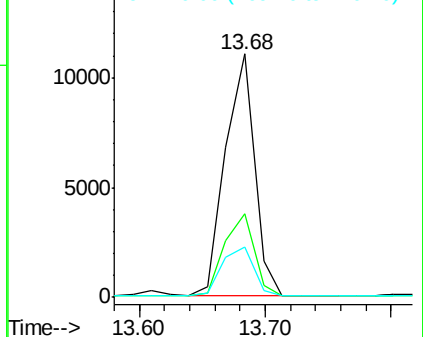
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.01 min
Lab File: BE095056.D
Acq: 26 Dec 2017 15:15

Instrument :
BNA_E
ClientSampleId :
PR-MW-5-121817

Tgt Ion:172 Resp: 17693
Ion Ratio Lower Upper
172 100
171 34.3 29.9 44.9
170 20.7 21.8 32.8#

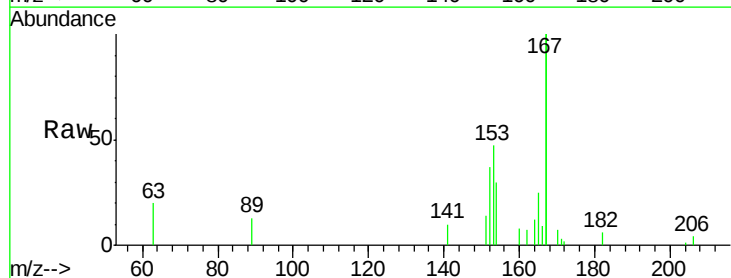


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

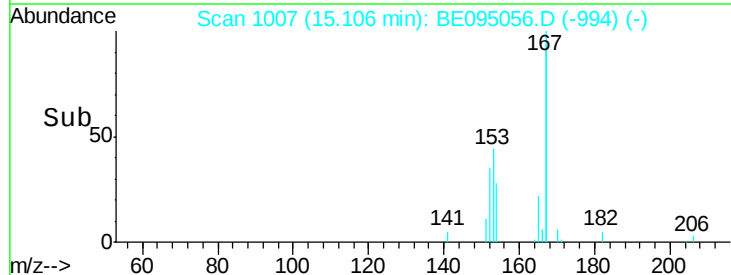
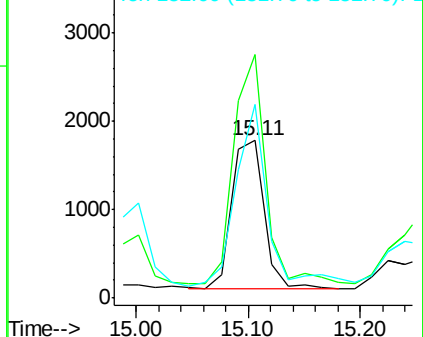


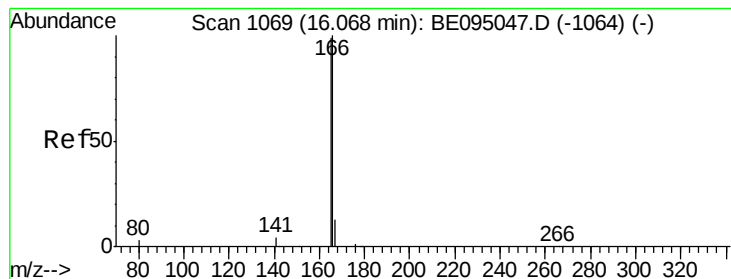
#17
Acenaphthene
Concen: 0.076 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BE095056.D
Acq: 26 Dec 2017 15:15

Tgt Ion:154 Resp: 3353
Ion Ratio Lower Upper
154 100
153 152.3 89.2 133.8#
152 120.3 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.127 ng

RT: 16.07 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

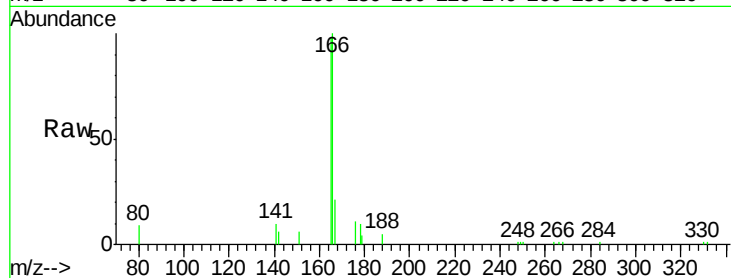
Tgt Ion:166 Resp: 6944

Ion Ratio Lower Upper

166 100

165 105.9 77.8 116.6

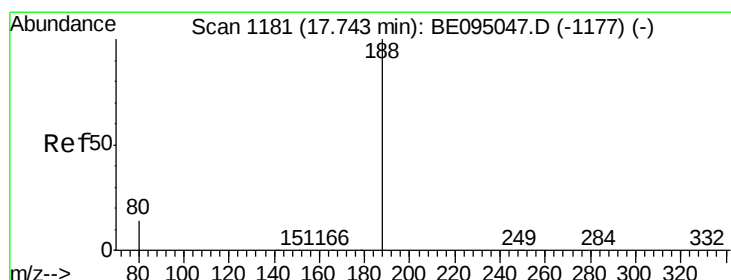
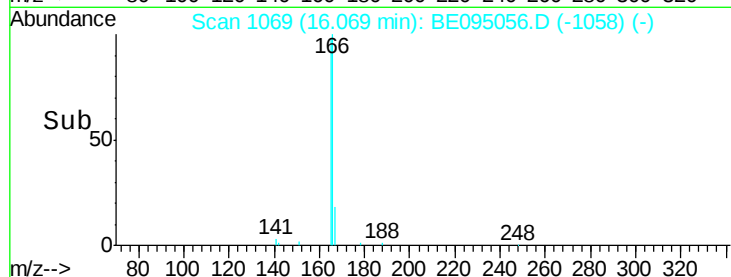
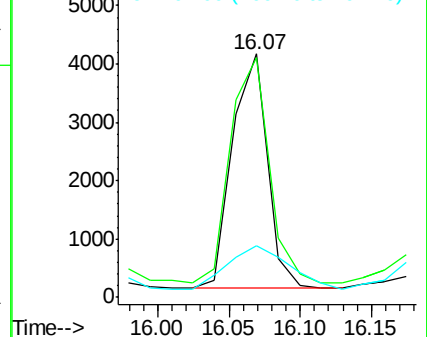
167 31.7 42.4 63.6#



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. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

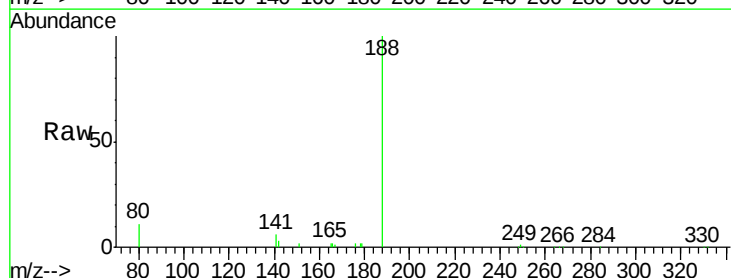
Tgt Ion:188 Resp: 17853

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

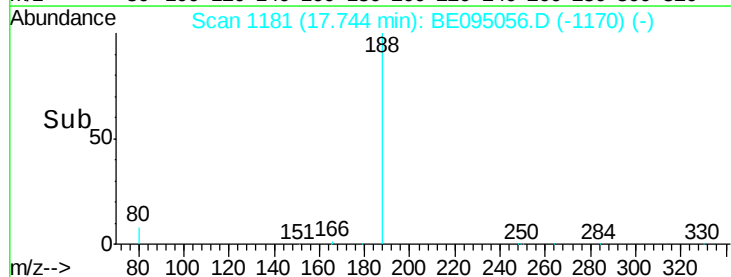
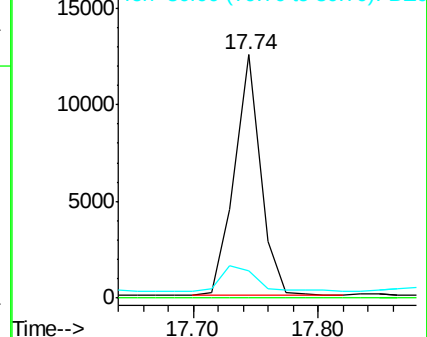
80 11.0 3.6 5.4#

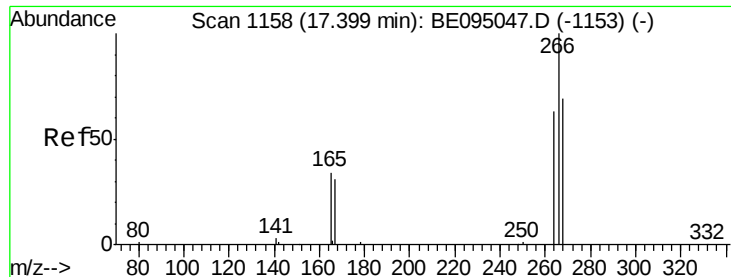


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

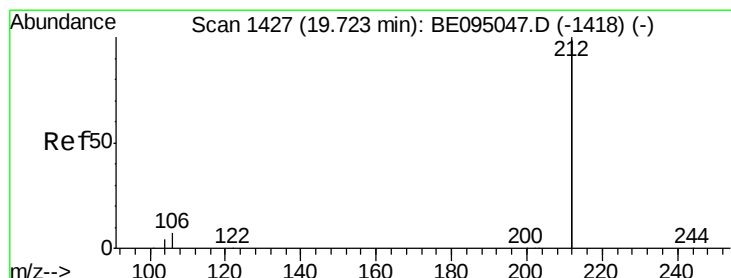
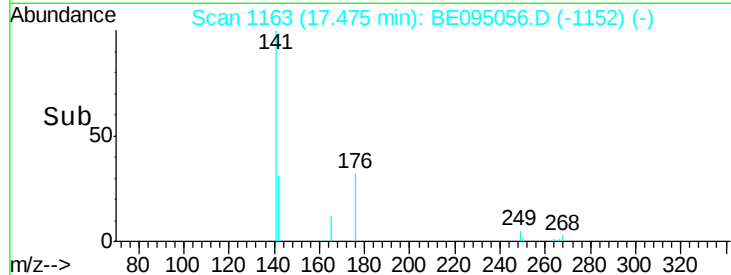
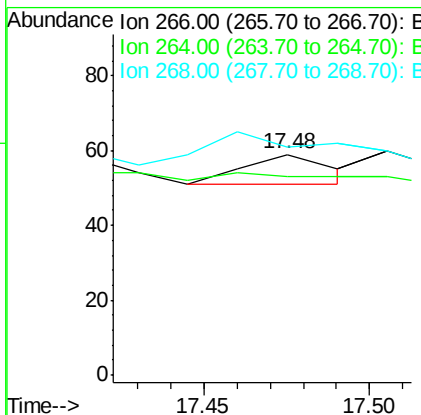
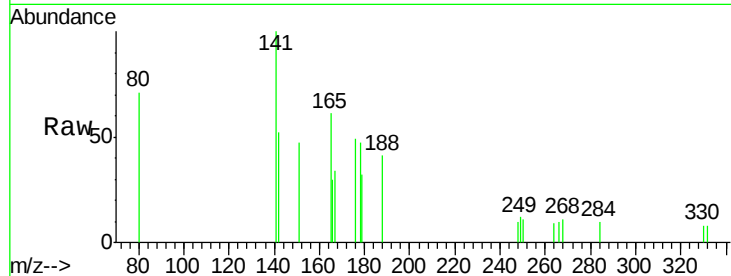




#22
 Pentachlorophenol
 Concen: 0.084 ng
 RT: 17.48 min Scan# 1163
 Delta R.T. 0.06 min
 Lab File: BE095056.D
 Acq: 26 Dec 2017 15:15

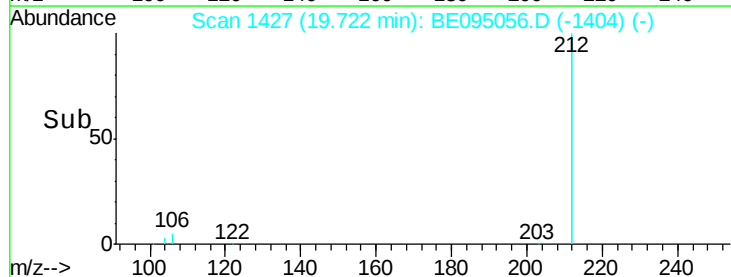
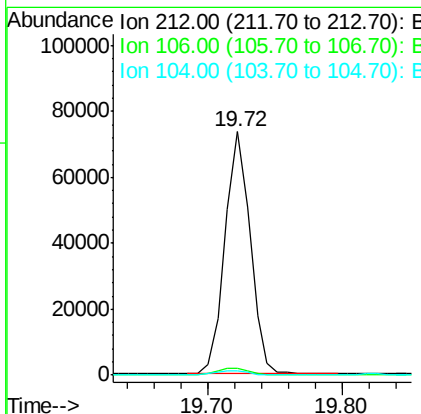
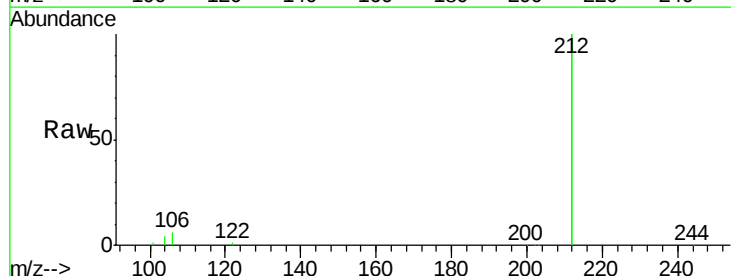
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-5-121817

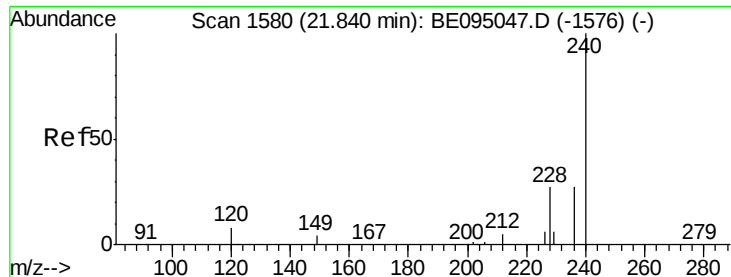
Tgt Ion: 266 Resp: 14
 Ion Ratio Lower Upper
 266 100
 264 89.8 72.5 108.7
 268 103.4 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.414 ng
 RT: 19.72 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BE095056.D
 Acq: 26 Dec 2017 15:15

Tgt Ion: 212 Resp: 95795
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

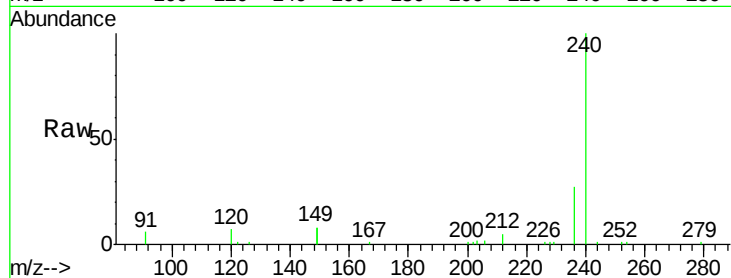
Tgt Ion:240 Resp: 19191

Ion Ratio Lower Upper

240 100

120 6.7 5.5 8.3

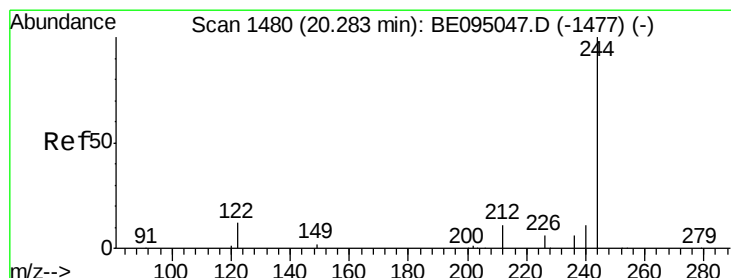
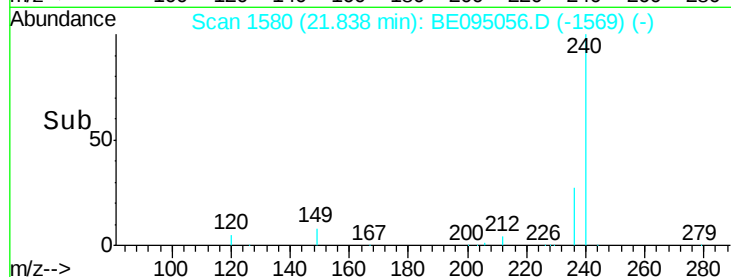
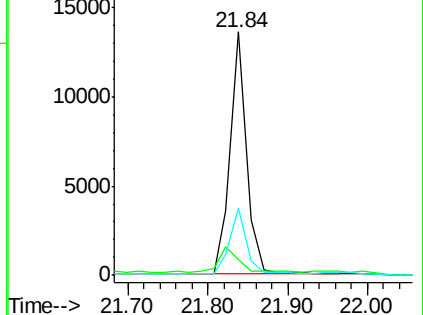
236 27.3 20.7 31.1



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: 0.589 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

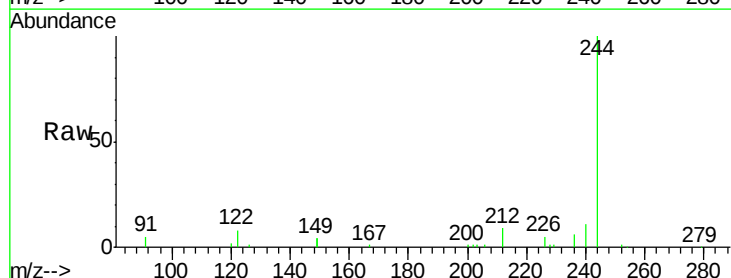
Tgt Ion:244 Resp: 21271

Ion Ratio Lower Upper

244 100

212 9.3 25.4 38.0#

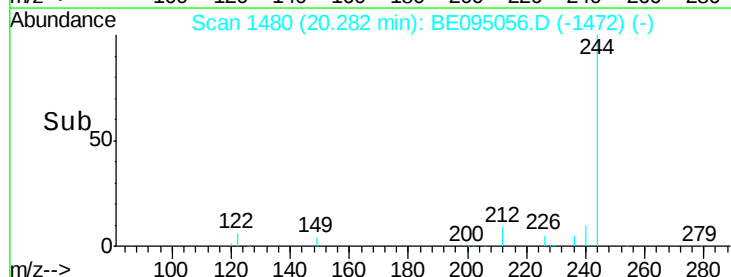
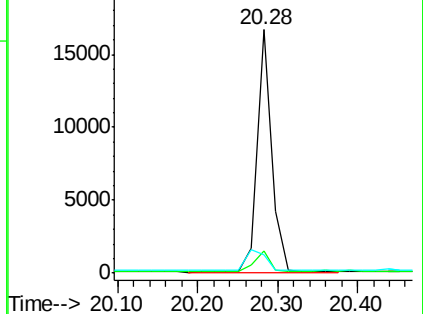
122 7.5 8.1 12.1#

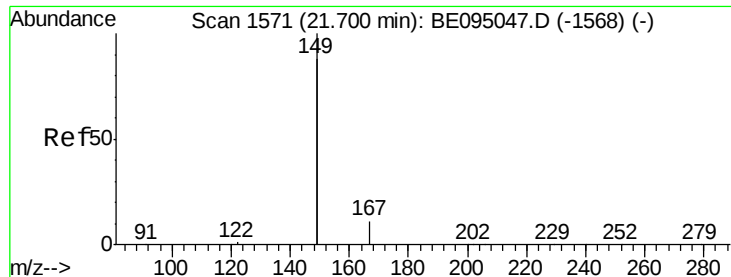


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.126 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

Instrument :

BNA_E

ClientSampleId :

PR-MW-5-121817

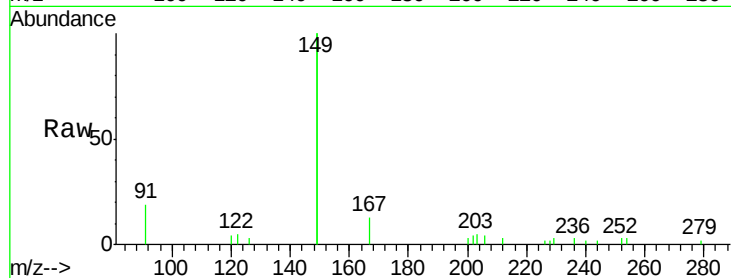
Tgt Ion:149 Resp: 8986

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

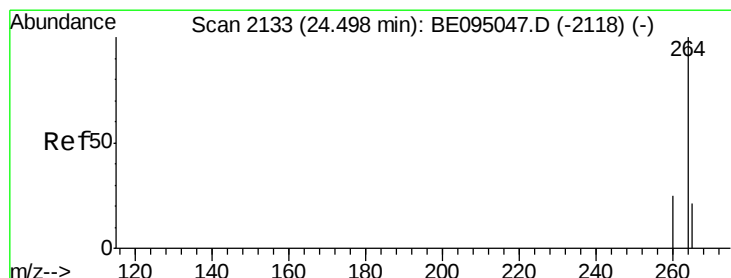
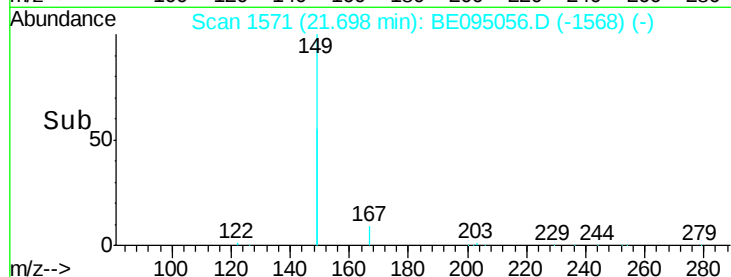
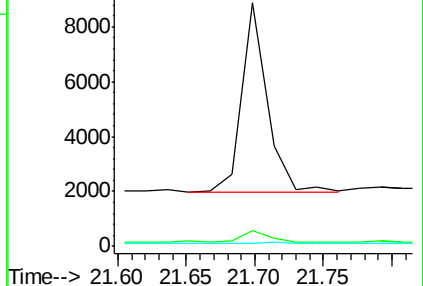
279 1.2 0.7 1.1#



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: 24.49 min Scan# 2131

Delta R.T. -0.06 min

Lab File: BE095056.D

Acq: 26 Dec 2017 15:15

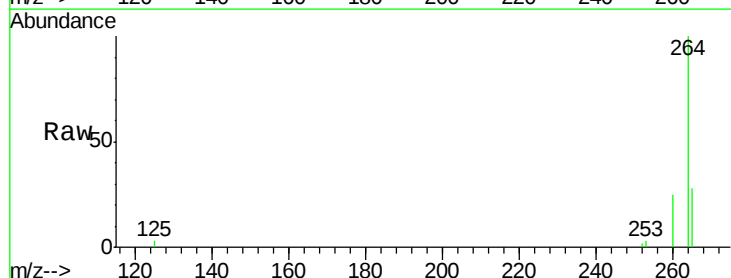
Tgt Ion:264 Resp: 17529

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

265 28.4 22.8 34.2



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

