

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041118\
 Data File : BE095979.D
 Acq On : 11 Apr 2018 20:09
 Operator : SJ/JU
 Sample : J2215-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-12I-20180328

Quant Time: Apr 12 04:16:42 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 17:26:43 2018
 Response via : Initial Calibration

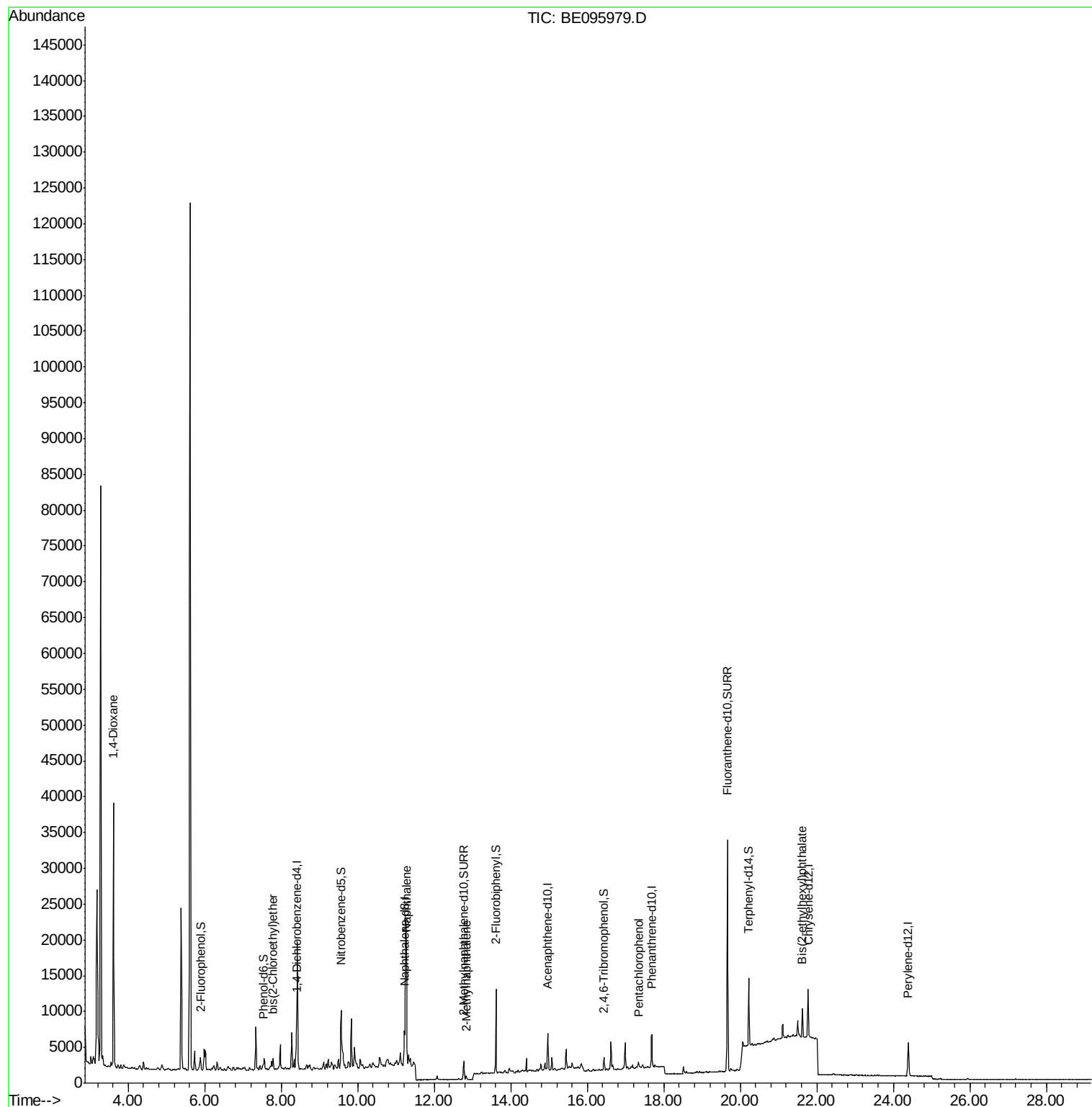
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.39	152	1364	0.40	ng	0.00
7) Naphthalene-d8	11.22	136	5345	0.40	ng	0.00
13) Acenaphthene-d10	14.97	164	3002	0.40	ng	0.00
19) Phenanthrene-d10	17.68	188	6871	0.40	ng	0.00
27) Chrysene-d12	21.78	240	7453	0.40	ng	0.00
34) Perylene-d12	24.39	264	7125	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.88	112	711	0.17	ng	0.00
5) Phenol-d6	7.53	99	608	0.10	ng	0.00
8) Nitrobenzene-d5	9.57	82	3228	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.76	152	3658	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.44	330	813	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.61	172	9912	0.77	ng	0.00
25) Fluoranthene-d10	19.66	212	40106	0.43	ng	0.00
29) Terphenyl-d14	20.22	244	8898	0.54	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.61	88	22643	10.747	ng	# 88
6) bis(2-Chloroethyl)ether	7.78	93	464	0.091	ng	# 81
9) Naphthalene	11.27	128	1771	0.031	ng	# 88
12) 2-Methylnaphthalene	12.84	142	345	0.037	ng	# 84
22) Pentachlorophenol	17.33	266	397	0.347	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.62	149	5878	0.095	ng	# 99

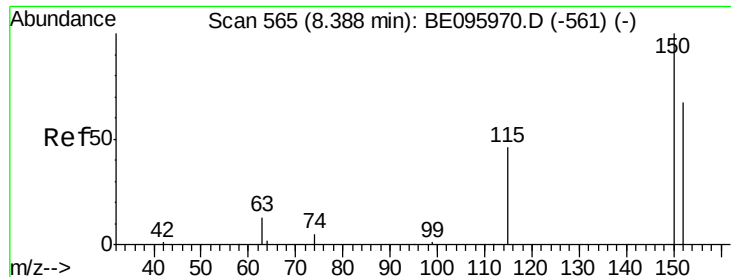
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.39 min Scan# 565

Delta R.T. 0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

RW-12I-20180328

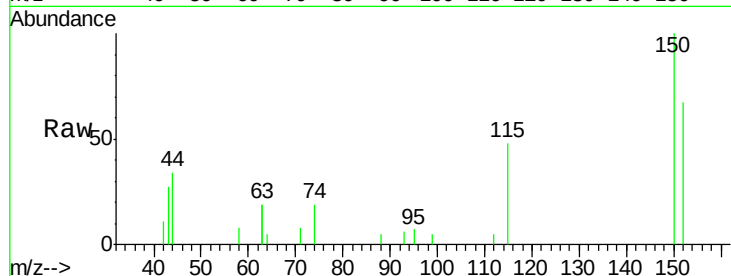
Tot Ion:152 Resp: 1364

Ion Ratio Lower Upper

152 100

150 149.5 117.2 175.8

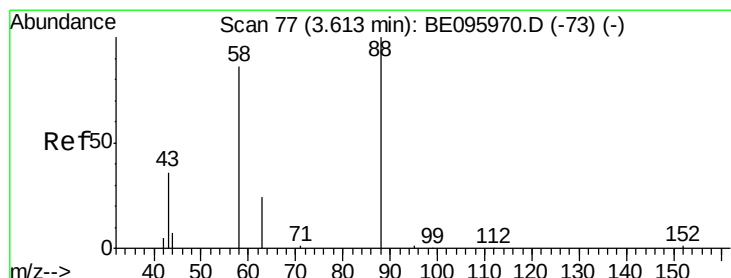
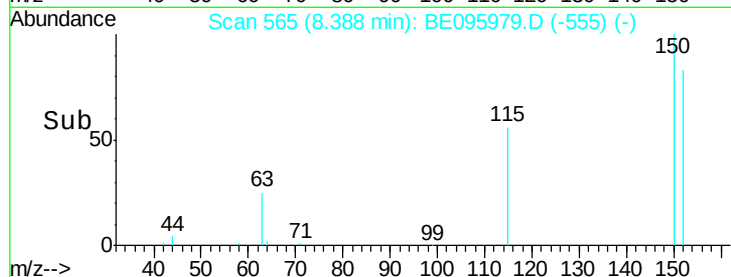
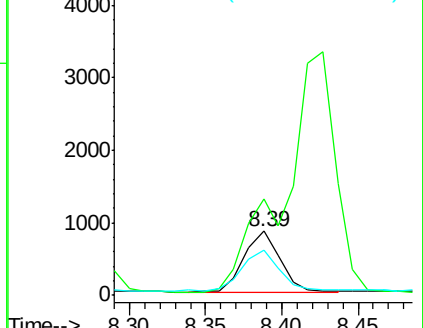
115 71.2 57.0 85.6



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



#2

1,4-Dioxane

Concen: 10.747 ng

RT: 3.61 min Scan# 77

Delta R.T. 0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

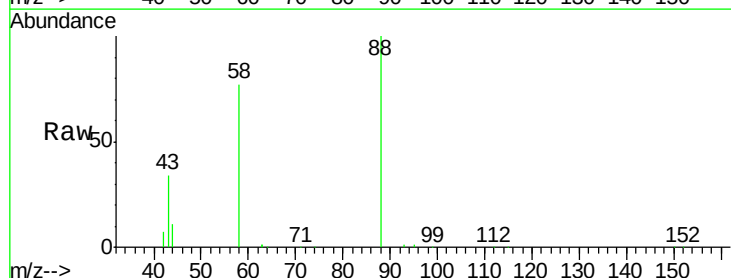
Tgt Ion: 88 Resp: 22643

Ion Ratio Lower Upper

88 100

58 85.3 63.2 94.8

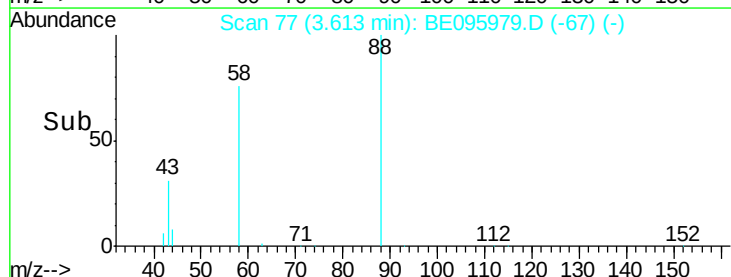
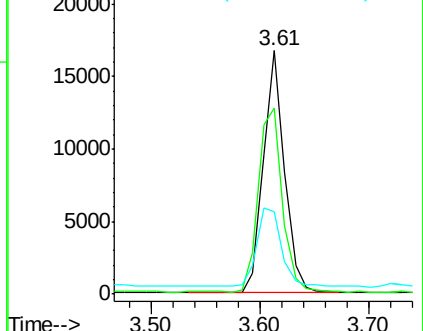
43 37.6 41.2 61.8#

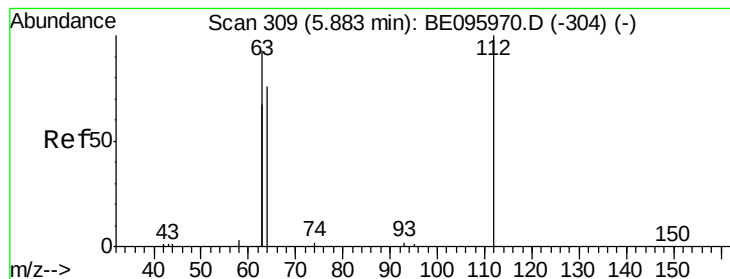


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.169 ng

RT: 5.88 min Scan# 309

Delta R.T. 0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

RW-12I-20180328

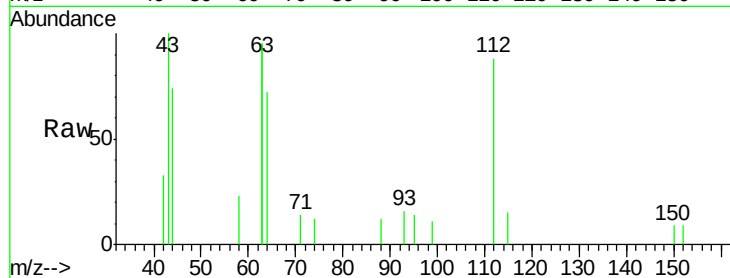
Tot Ion:112 Resp: 711

Ion Ratio Lower Upper

112 100

64 76.9 60.1 90.1

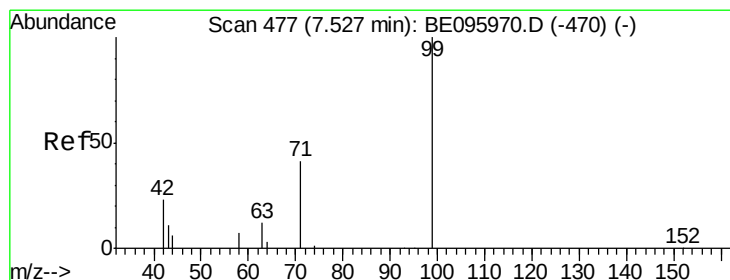
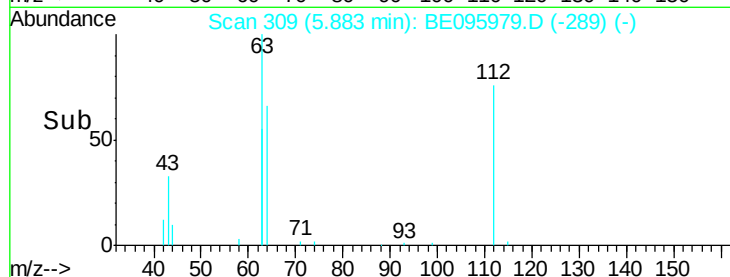
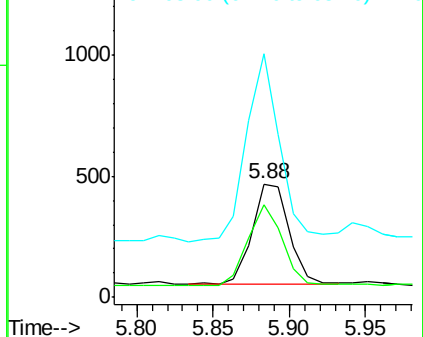
63 167.2 116.8 175.2



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: 0.104 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

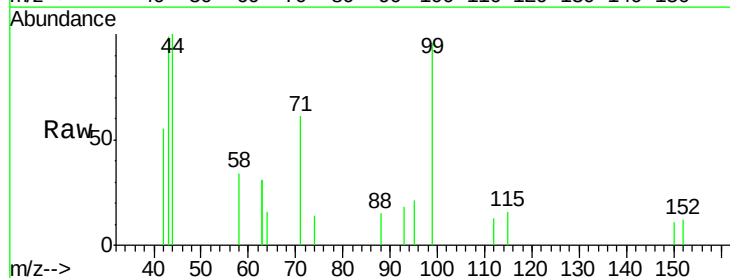
Tgt Ion: 99 Resp: 608

Ion Ratio Lower Upper

99 100

42 59.2 20.2 30.2#

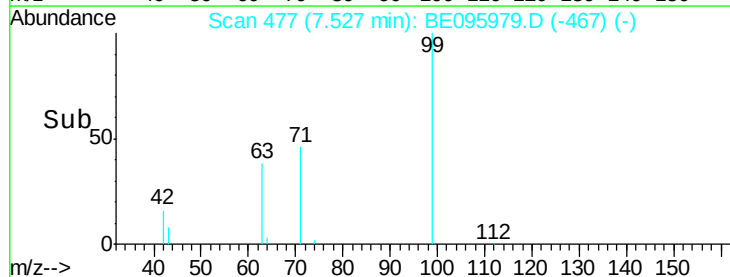
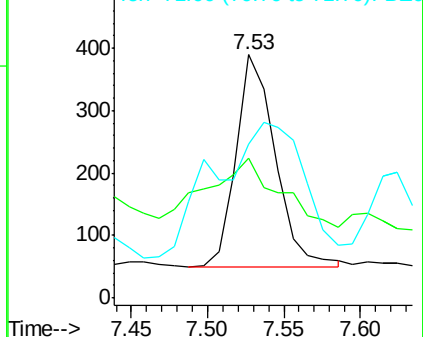
71 146.1 28.4 42.6#

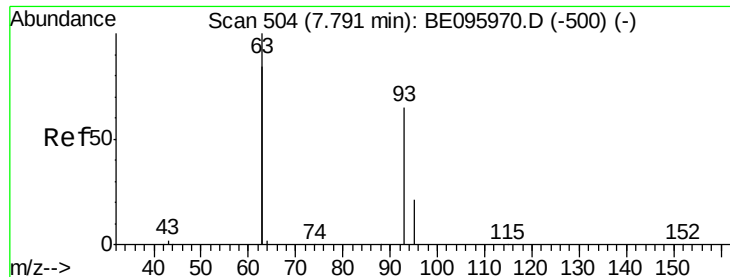


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.091 ng

RT: 7.78 min Scan# 503

Delta R.T. -0.01 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

RW-12I-20180328

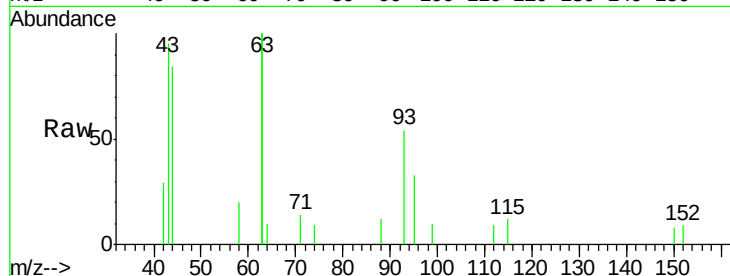
Tot Ion: 93 Resp: 464

Ion Ratio Lower Upper

93 100

63 303.9 275.3 412.9

95 41.2 25.2 37.8#

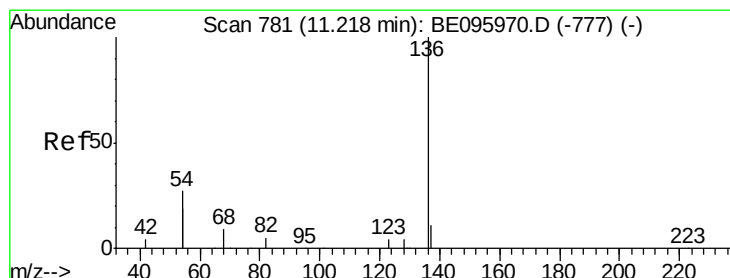
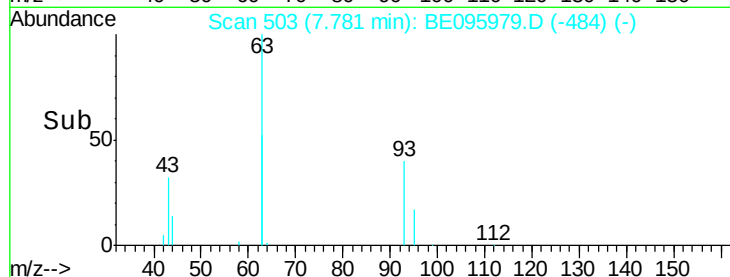
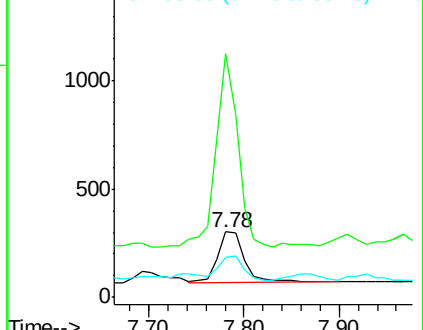


Abundance

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: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Tgt Ion: 136 Resp: 5345

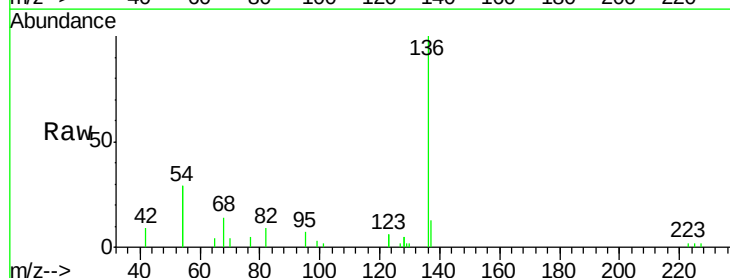
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 58.2 29.1 43.7#

68 13.6 6.2 9.2#



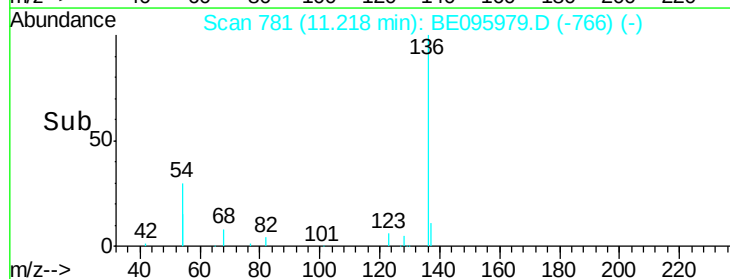
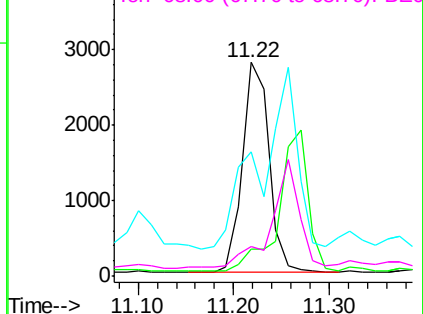
Abundance

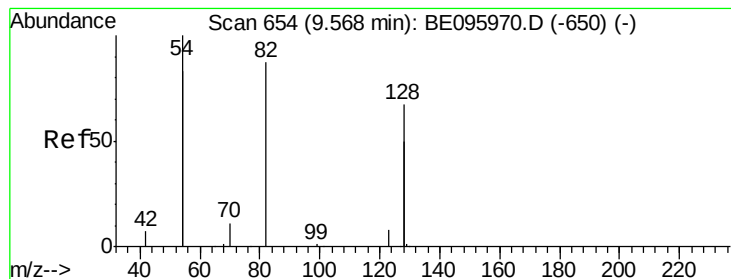
Ion 136.00 (135.70 to 136.70): E

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: 0.515 ng

RT: 9.57 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

RW-12I-20180328

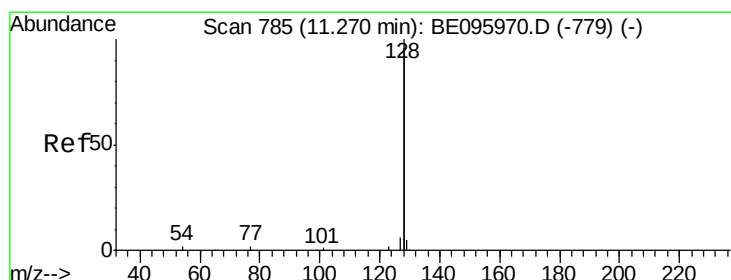
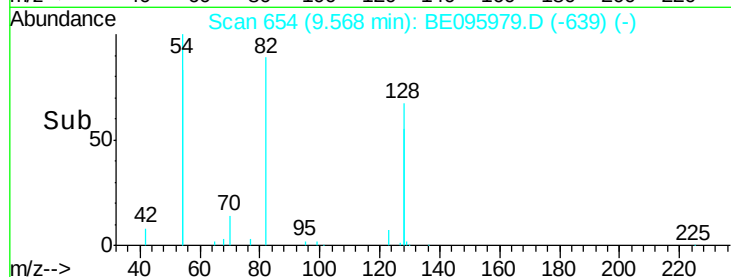
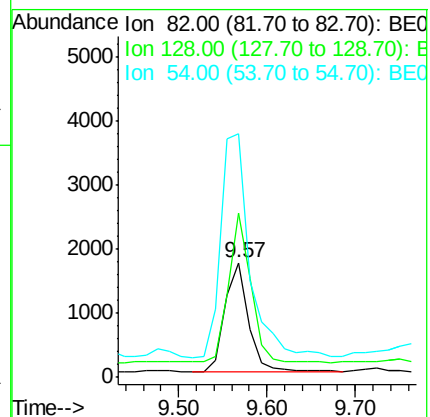
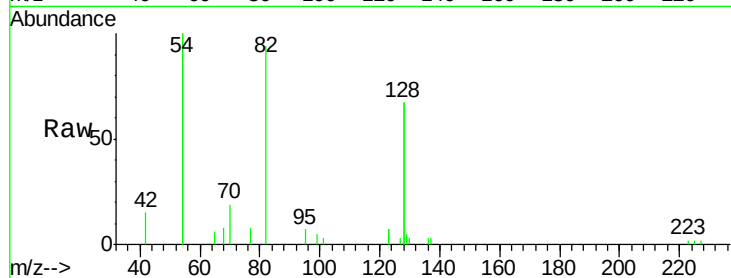
Tot Ion: 82 Resp: 3228

Ion Ratio Lower Upper

82 100

128 143.7 150.0 225.0#

54 213.0 154.2 231.4



#9

Naphthalene

Concen: 0.031 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

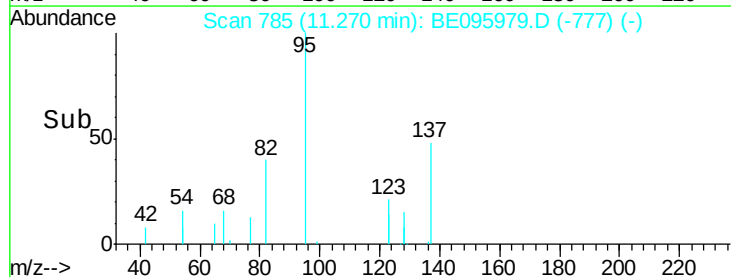
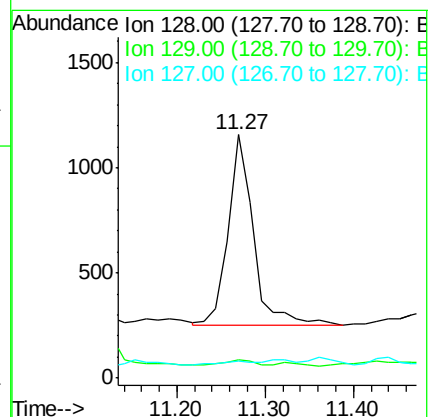
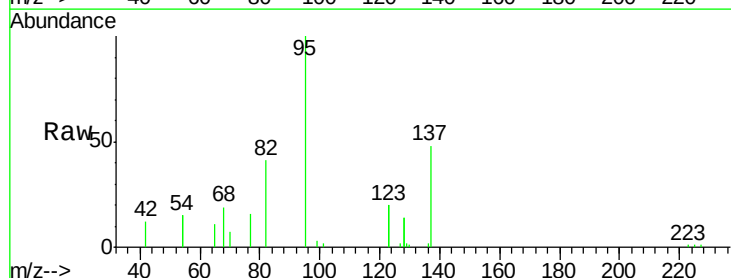
Tgt Ion: 128 Resp: 1771

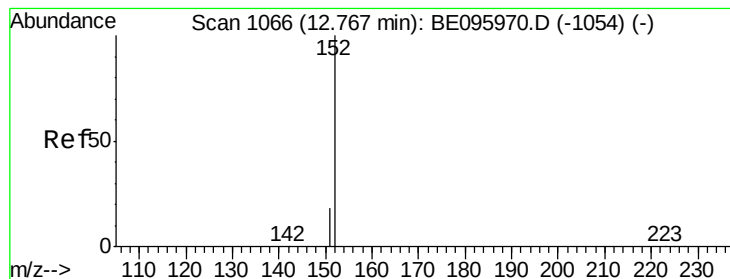
Ion Ratio Lower Upper

128 100

129 7.4 2.6 3.8#

127 7.2 2.8 4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.432 ng

RT: 12.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

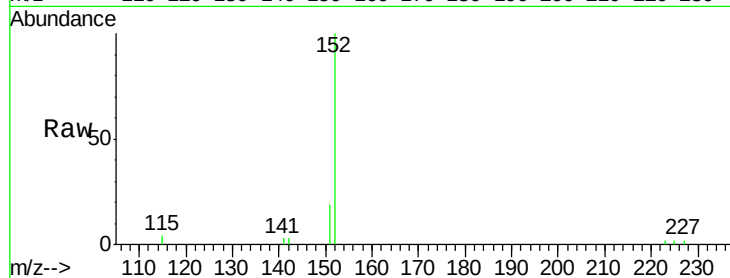
RW-12I-20180328

Tot Ion:152 Resp: 3658

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.76

2500

2000

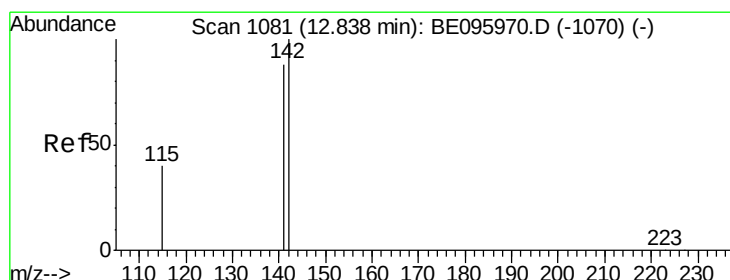
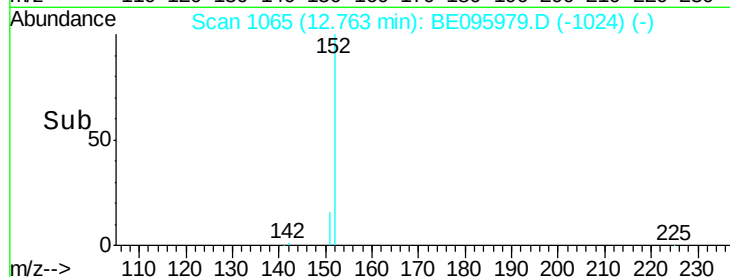
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.037 ng

RT: 12.84 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

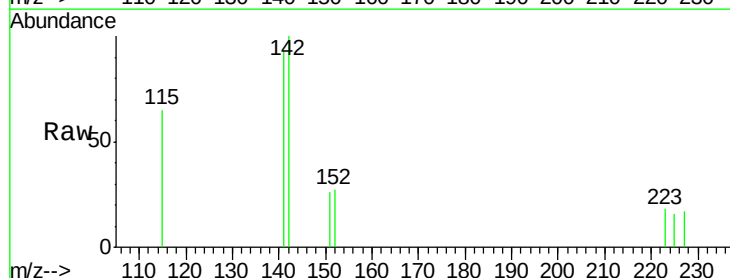
Tgt Ion:142 Resp: 345

Ion Ratio Lower Upper

142 100

141 92.7 70.4 105.6

115 65.0 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

12.84

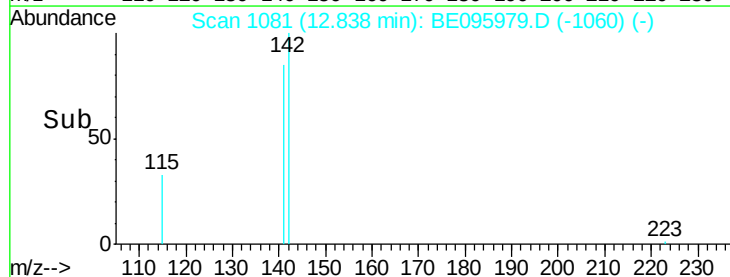
300

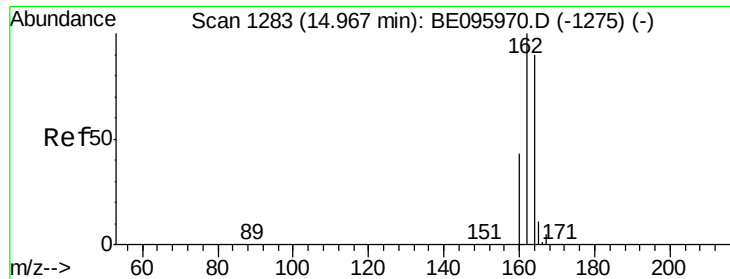
200

100

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

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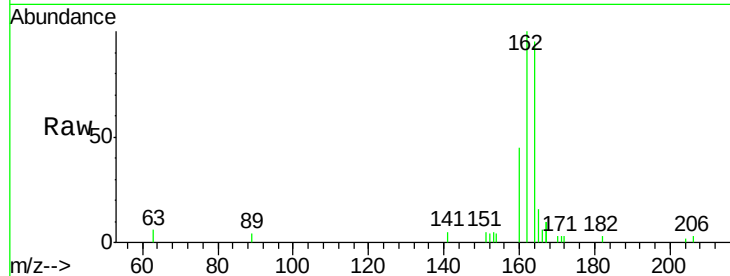
Tot Ion:164 Resp: 3002

Ion Ratio Lower Upper

164 100

162 105.3 83.1 124.7

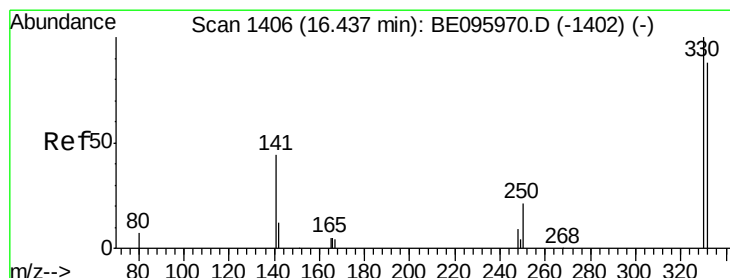
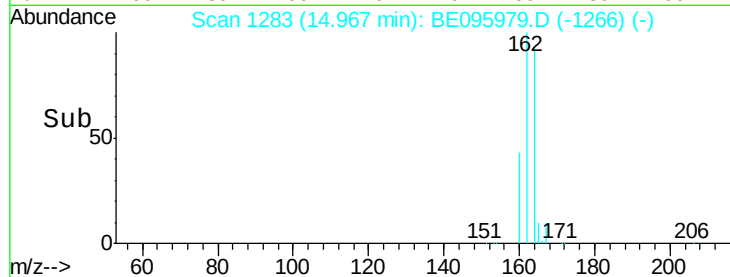
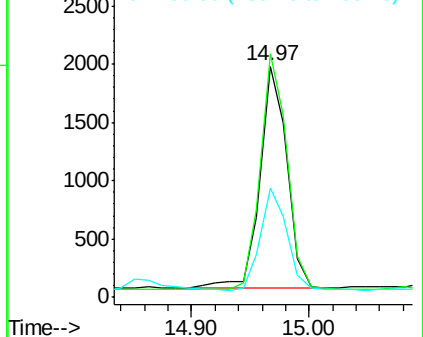
160 47.4 37.1 55.7



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: 0.561 ng

RT: 16.44 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

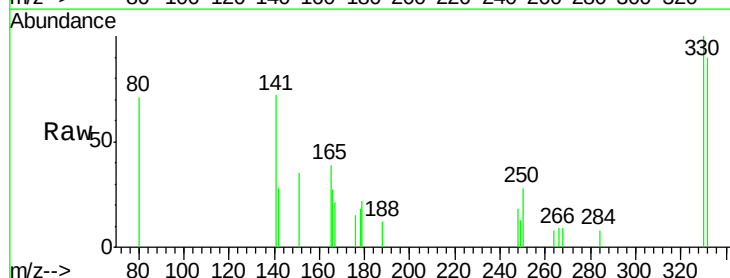
Tgt Ion:330 Resp: 813

Ion Ratio Lower Upper

330 100

332 95.6 152.7 229.1#

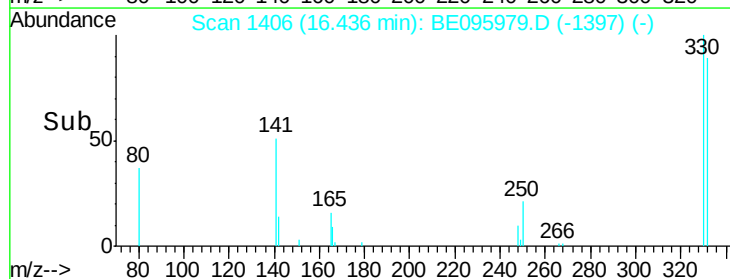
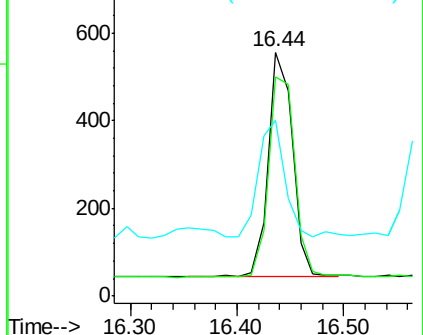
141 58.1 33.7 50.5#

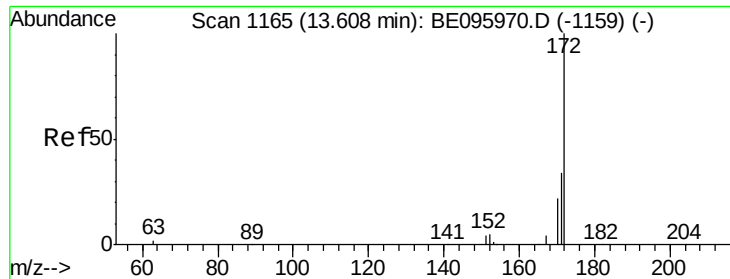


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

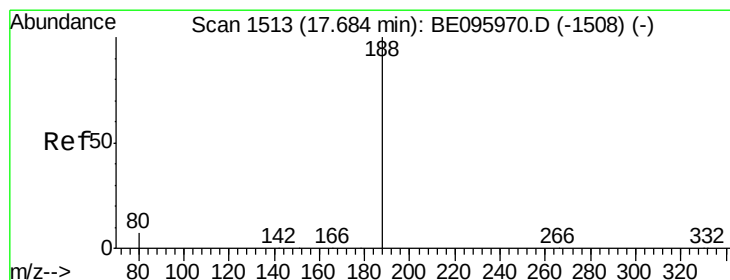
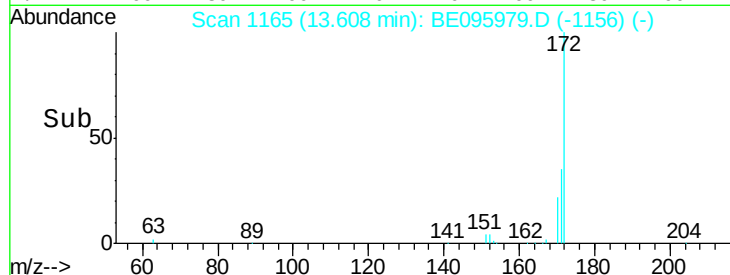
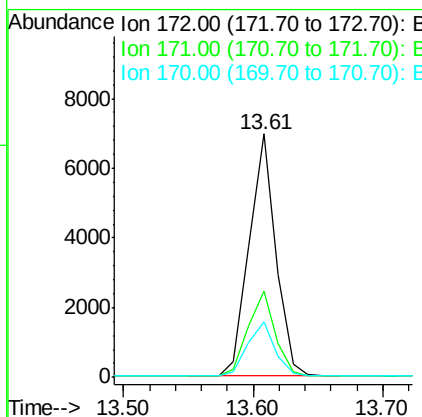
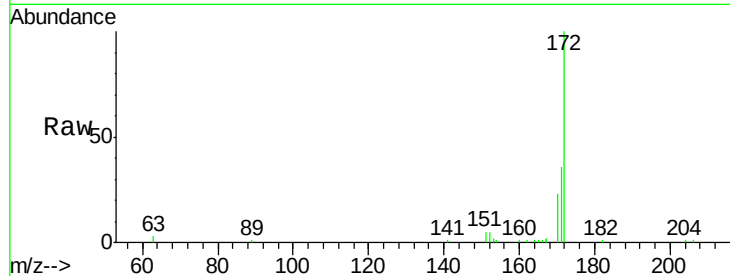




#15
2-Fluorobiphenyl
Concen: 0.772 ng
RT: 13.61 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BE095979.D
Acq: 11 Apr 2018 20:09

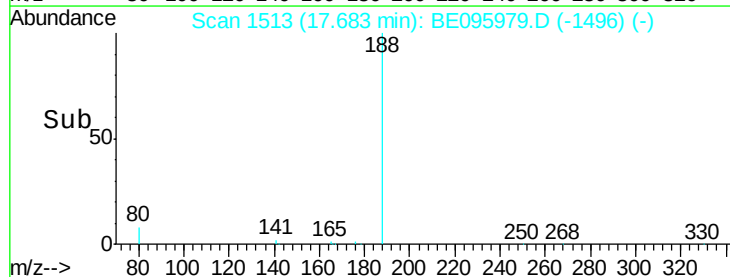
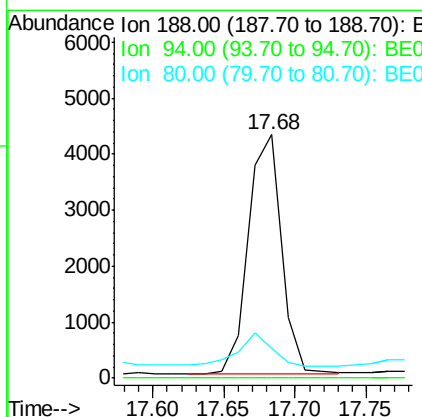
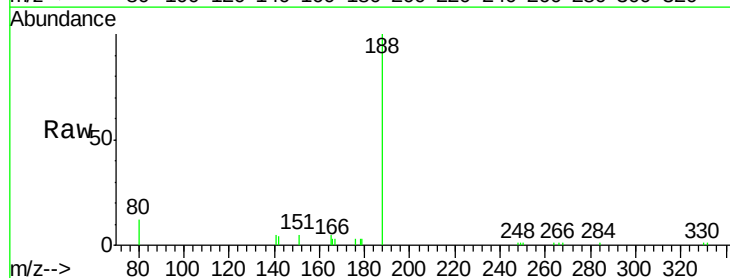
Instrument :
BNA_E
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RW-12I-20180328

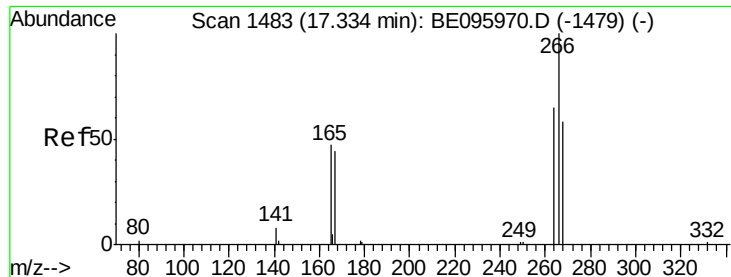
Tot Ion:172 Resp: 9912
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 22.5 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.68 min Scan# 1513
Delta R.T. -0.00 min
Lab File: BE095979.D
Acq: 11 Apr 2018 20:09

Tgt Ion:188 Resp: 6871
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.3 3.6 5.4#

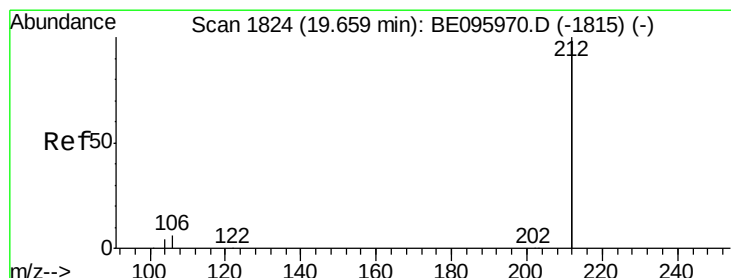
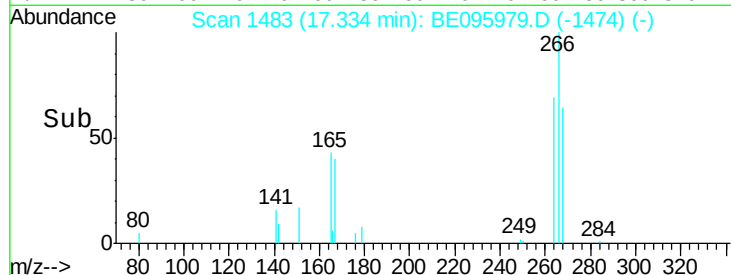
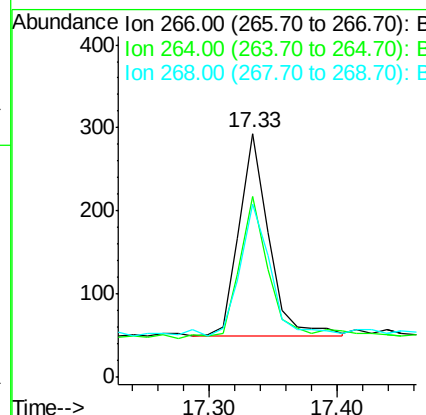
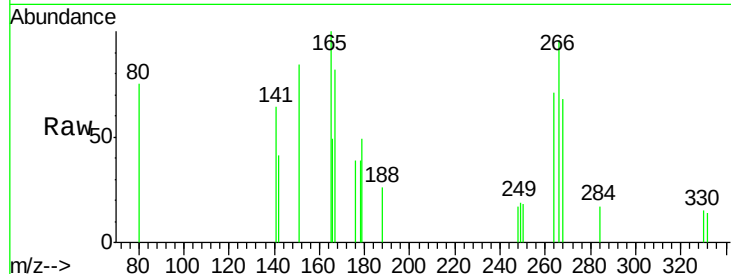




#22
 Pentachlorophenol
 Concen: 0.347 ng
 RT: 17.33 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BE095979.D
 Acq: 11 Apr 2018 20:09

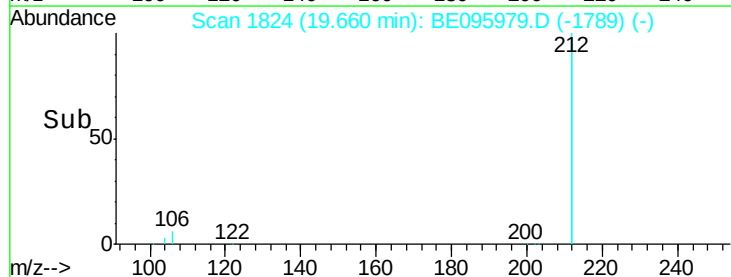
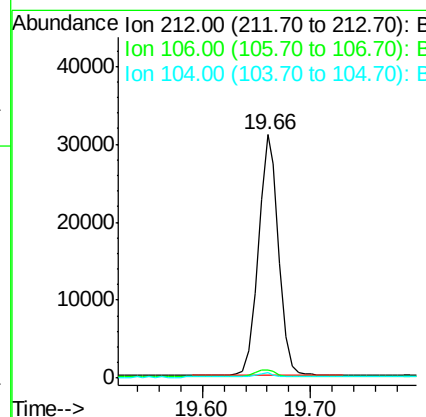
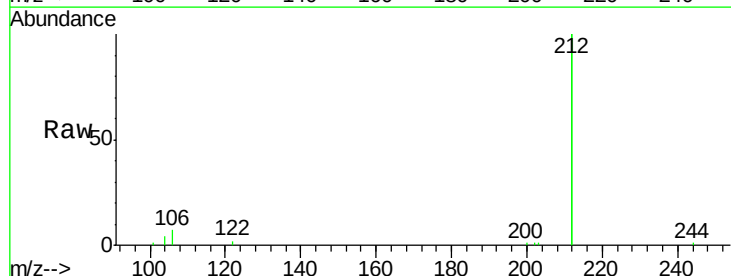
Instrument :
 BNA_E
 ClientSampleId :
 RW-12I-20180328

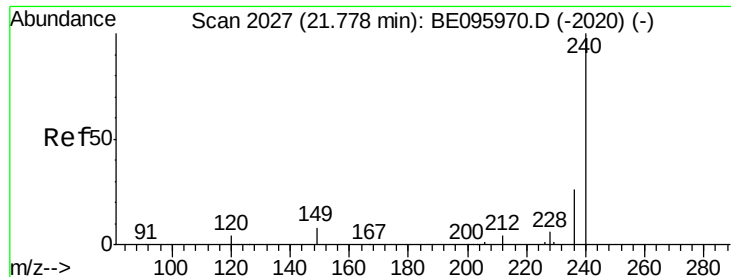
Tot Ion:266 Resp: 397
 Ion Ratio Lower Upper
 266 100
 264 74.1 72.5 108.7
 268 71.3 73.8 110.6#



#25
 Fluoranthene-d10
 Concen: 0.430 ng
 RT: 19.66 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BE095979.D
 Acq: 11 Apr 2018 20:09

Tgt Ion:212 Resp: 40106
 Ion Ratio Lower Upper
 212 100
 106 3.2 2.8 4.2
 104 1.8 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

Instrument :

BNA_E

ClientSampleId :

RW-12I-20180328

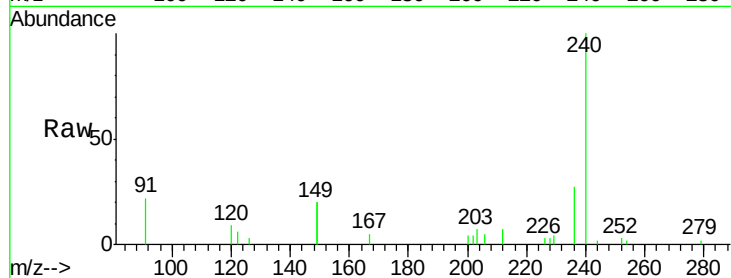
Tot Ion:240 Resp: 7453

Ion Ratio Lower Upper

240 100

120 8.6 5.5 8.3#

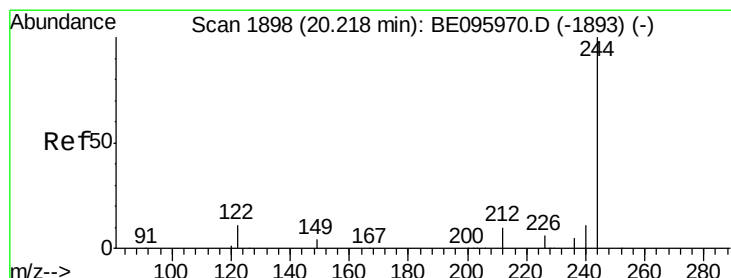
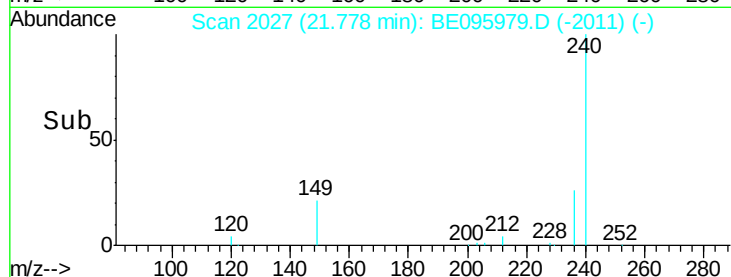
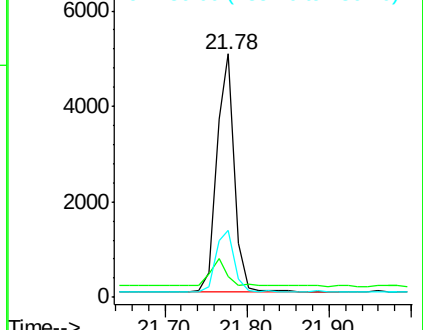
236 27.5 20.7 31.1



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: 0.540 ng

RT: 20.22 min Scan# 1898

Delta R.T. -0.00 min

Lab File: BE095979.D

Acq: 11 Apr 2018 20:09

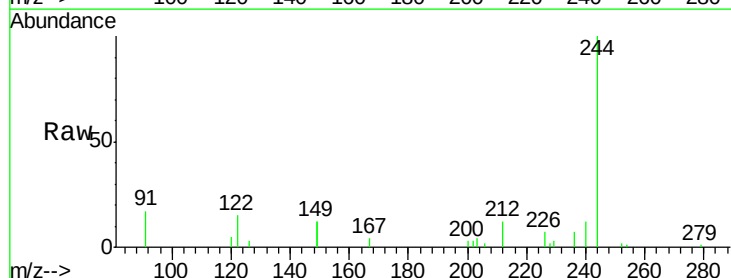
Tgt Ion:244 Resp: 8898

Ion Ratio Lower Upper

244 100

212 11.8 25.4 38.0#

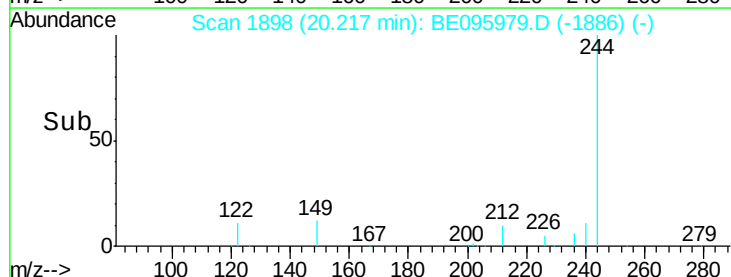
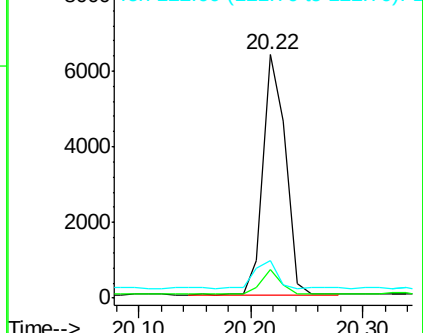
122 15.4 8.1 12.1#

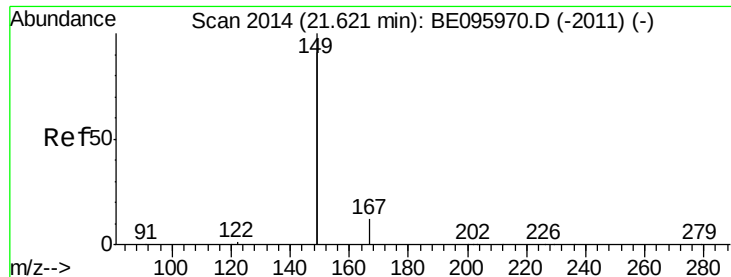


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

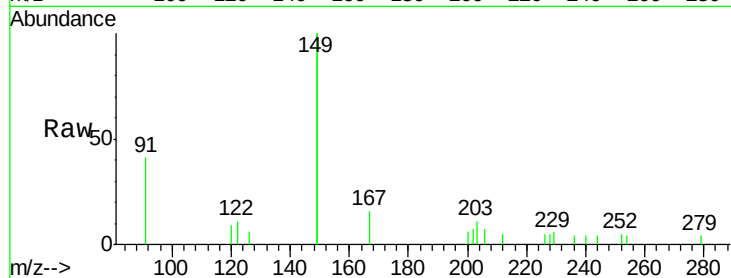




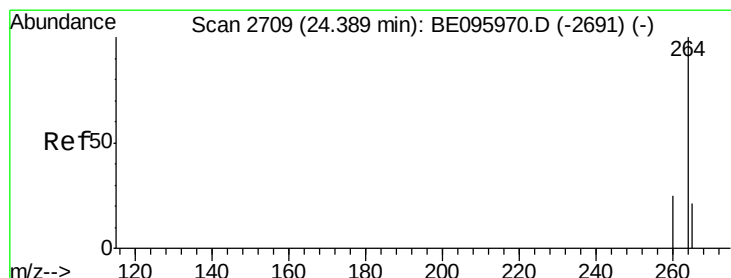
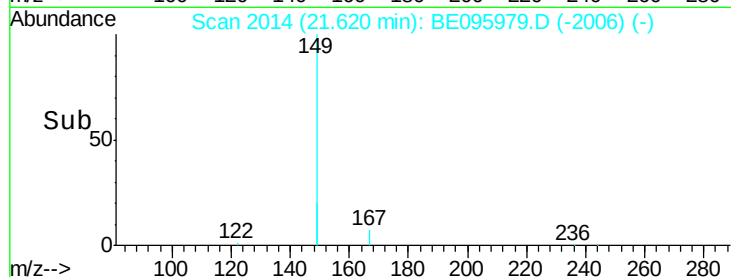
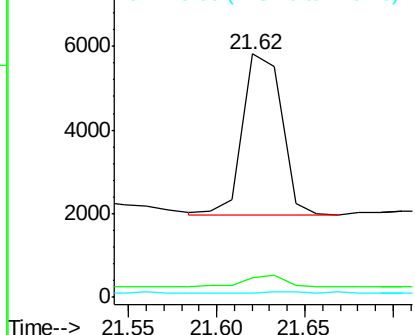
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.095 ng
 RT: 21.62 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: BE095979.D
 Acq: 11 Apr 2018 20:09

Instrument :
 BNA_E
 ClientSampleId :
 RW-12I-20180328

Tot Ion:149 Resp: 5878
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.4 8.0
 279 1.7 0.7 1.1#

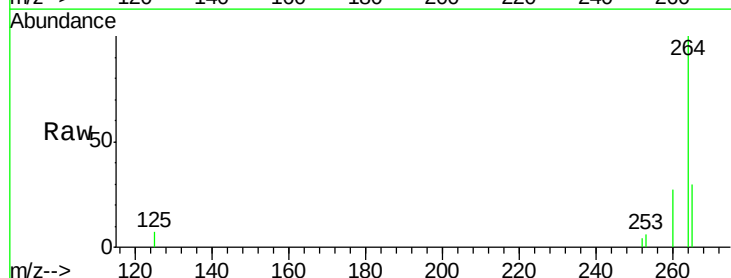


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.39 min Scan# 2709
 Delta R.T. -0.00 min
 Lab File: BE095979.D
 Acq: 11 Apr 2018 20:09

Tgt Ion:264 Resp: 7125
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.5 30.7
 265 30.0 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

