

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021318\
 Data File : BE095662.D
 Acq On : 12 Feb 2018 15:33
 Operator : SJ/JU
 Sample : J1521-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-4

Quant Time: Feb 13 04:05:58 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1116	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4653	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2695	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5904	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6033	0.40	ng	0.00
34) Perylene-d12	24.43	264	5736	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	596	0.18	ng	0.00
5) Phenol-d6	7.55	99	514	0.11	ng	-0.01
8) Nitrobenzene-d5	9.60	82	1905	0.39	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	3110	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	614	0.50	ng	0.00
15) 2-Fluorobiphenyl	13.65	172	4853	0.42	ng	0.00
25) Fluoranthene-d10	19.69	212	32544	0.42	ng	0.00
29) Terphenyl-d14	20.25	244	5765	0.45	ng	0.00

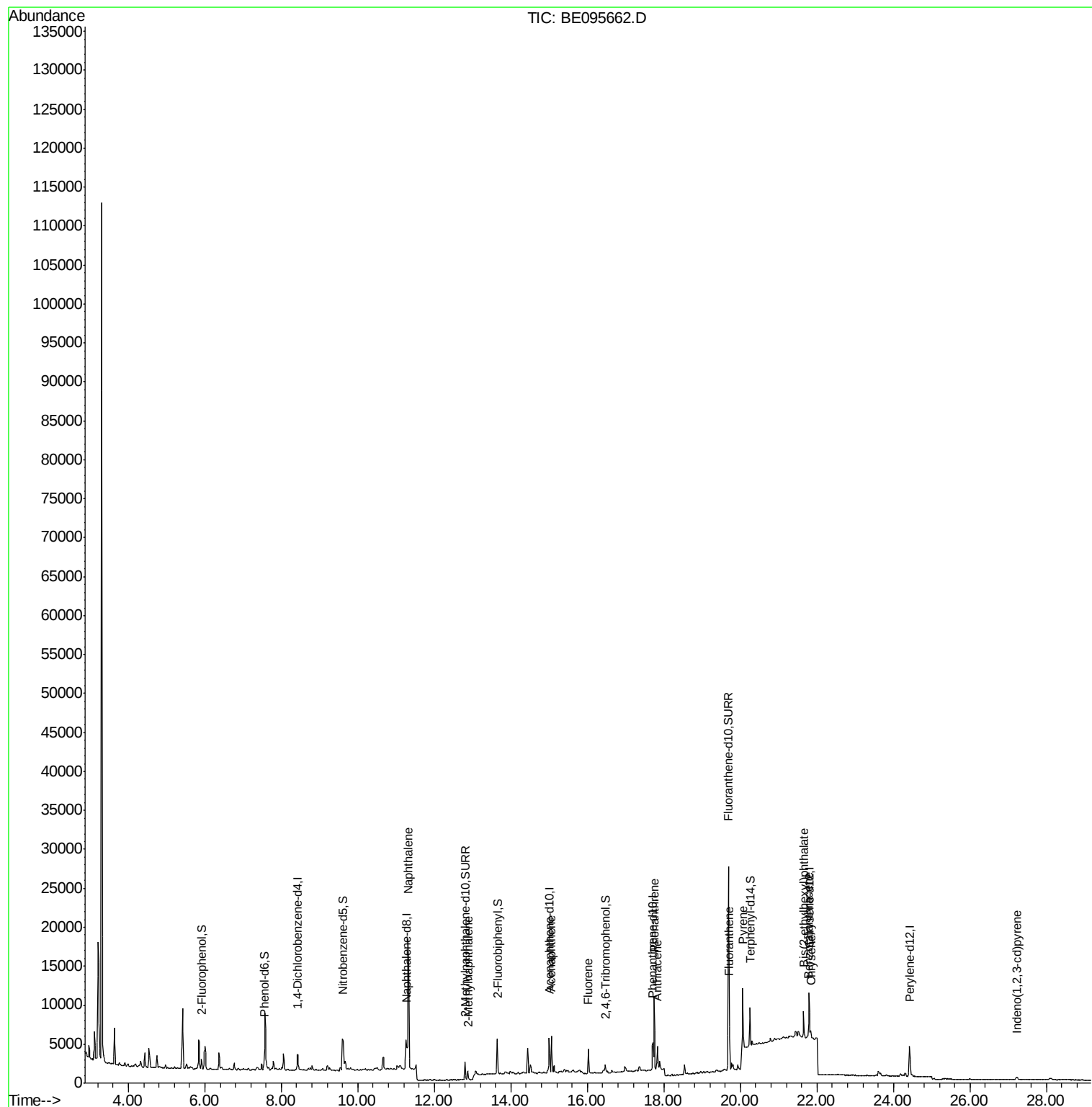
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	11.31	128	30848	0.57	ng	99
12) 2-Methylnaphthalene	12.88	142	789	0.09	ng	# 92
17) Acenaphthene	15.06	154	2501	0.26	ng	94
18) Fluorene	16.02	166	2591	0.22	ng	# 78
23) Phenanthrene	17.74	178	9976	0.55	ng	99
24) Anthracene	17.83	178	3962	0.23	ng	# 78
26) Fluoranthene	19.72	202	5286	0.23	ng	96
28) Pyrene	20.07	202	8695	0.34	ng	97
30) Benzo(a)anthracene	21.78	228	1321	0.07	ng	# 74
31) Chrysene	21.84	228	912	0.05	ng	# 61
32) Bis(2-ethylhexyl)phthalate	21.65	149	3724	0.08	ng	# 96
33) Indeno(1,2,3-cd)pyrene	27.22	276	580	0.03	ng	# 91

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021318\
Data File : BE095662.D
Acq On : 12 Feb 2018 15:33
Operator : SJ/JU
Sample : J1521-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-4

Quant Time: Feb 13 04:05:58 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.43 min Scan# 443

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

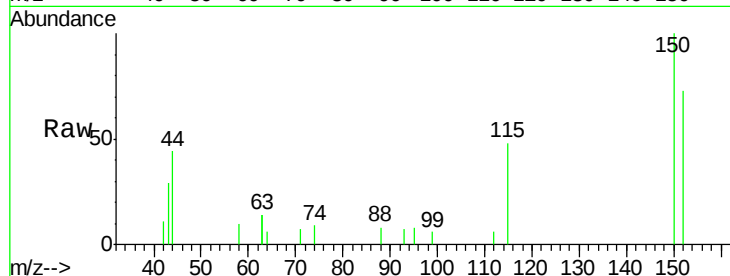
Tgt Ion:152 Resp: 1116

Ion Ratio Lower Upper

152 100

150 136.5 117.2 175.8

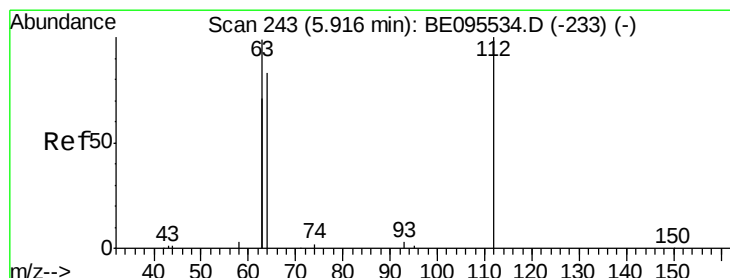
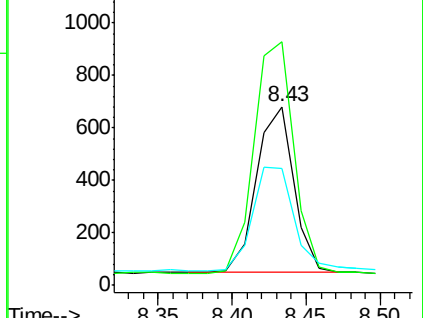
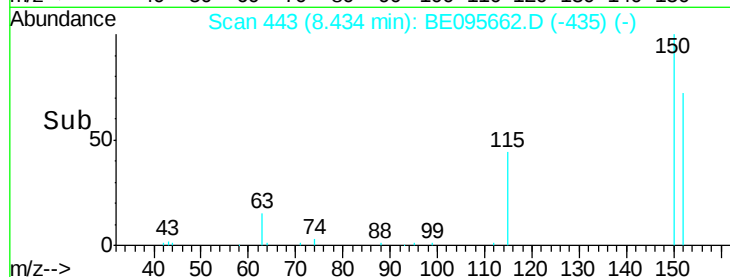
115 65.4 57.0 85.6



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



#4

2-Fluorophenol

Concen: 0.18 ng

RT: 5.92 min Scan# 243

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

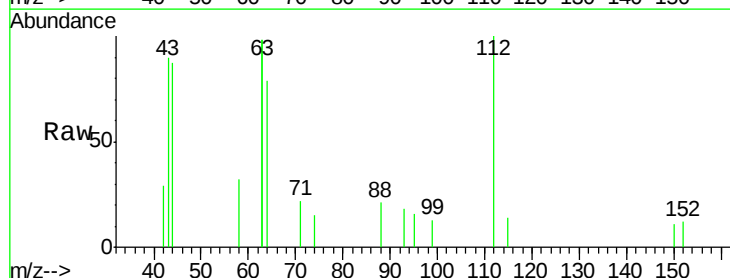
Tgt Ion:112 Resp: 596

Ion Ratio Lower Upper

112 100

64 72.1 60.1 90.1

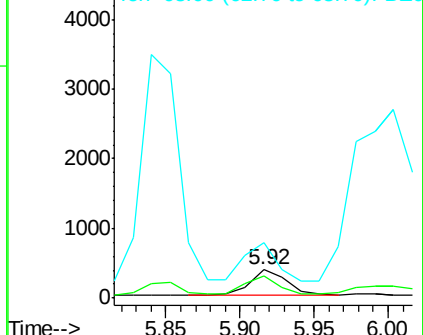
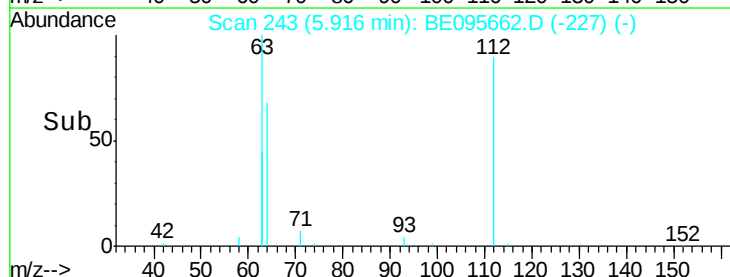
63 157.2 116.8 175.2

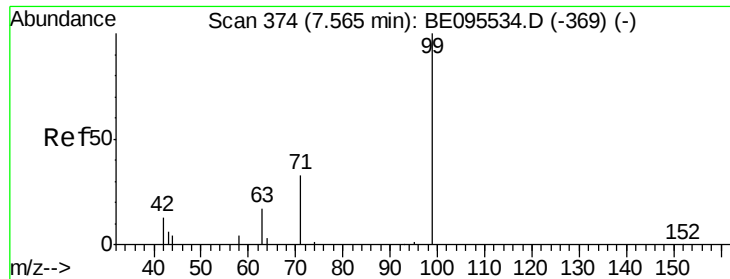


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.11 ng

RT: 7.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

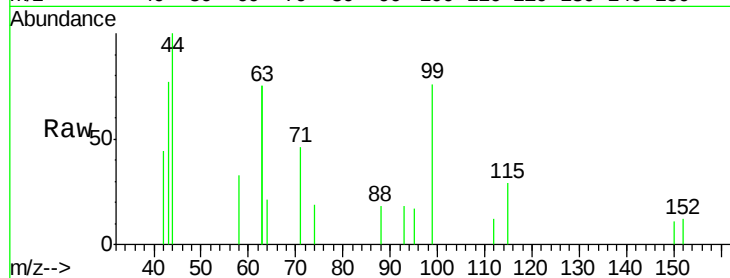
Tgt Ion: 99 Resp: 514

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 51.6 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

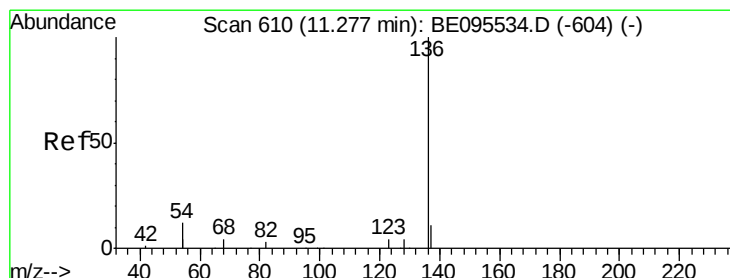
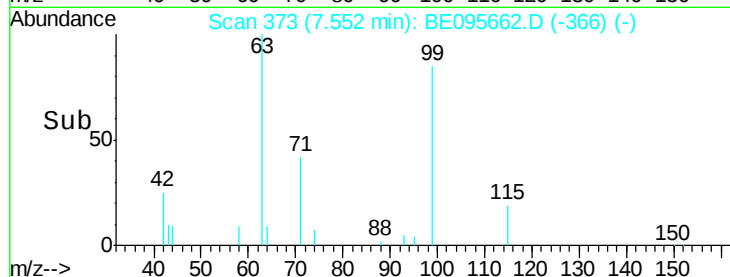
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->

7.55

7.60



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.28 min Scan# 610

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Tgt Ion: 136 Resp: 4653

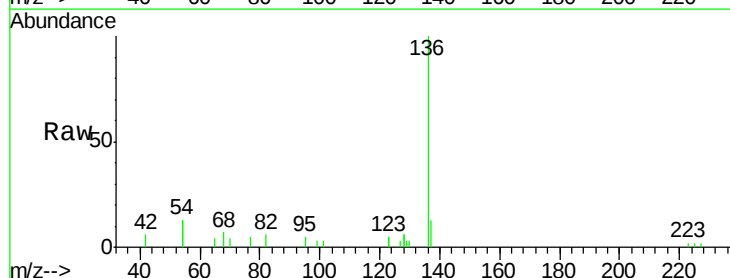
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 25.7 29.1 43.7#

68 6.7 6.2 9.2



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

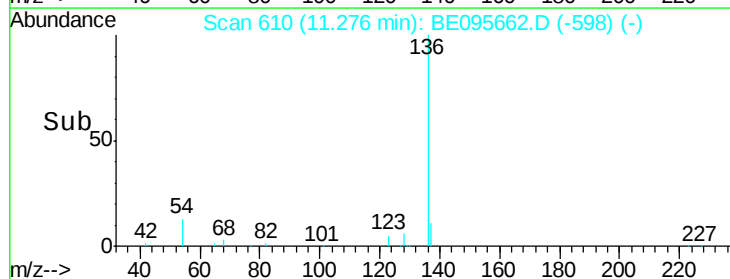
Ion 54.00 (53.70 to 54.70): BE0

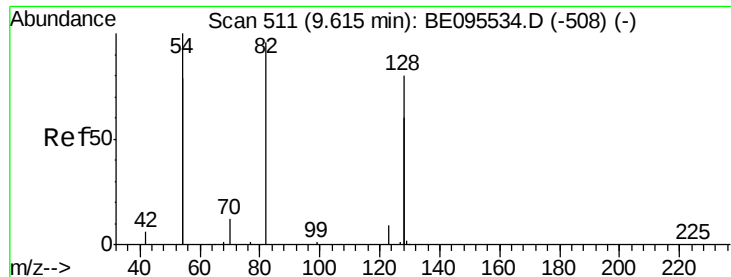
Ion 68.00 (67.70 to 68.70): BE0

Time-->

11.28

11.40





#8

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

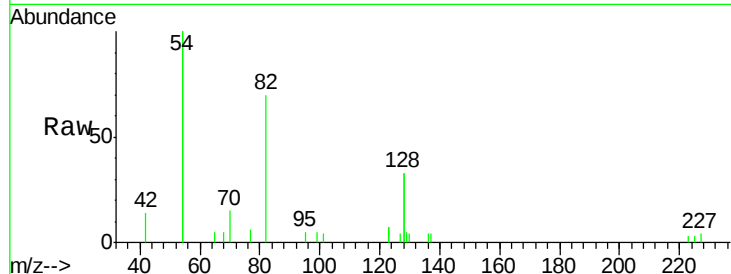
Tgt Ion: 82 Resp: 1905

Ion Ratio Lower Upper

82 100

128 93.5 150.0 225.0#

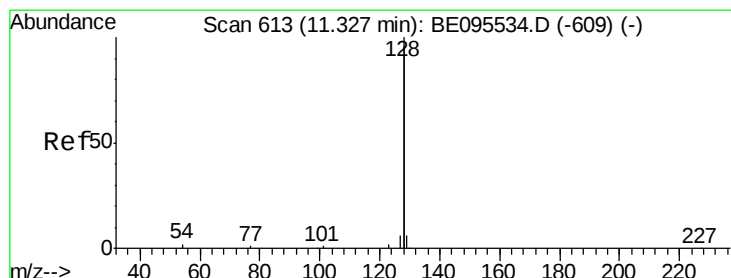
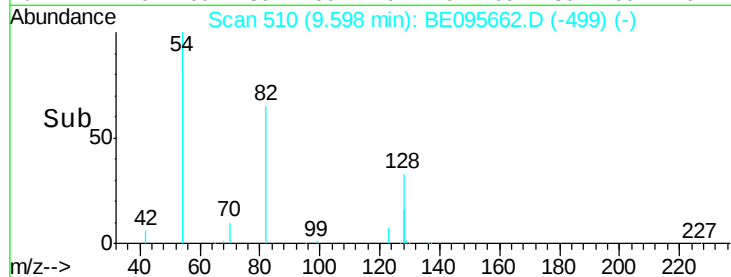
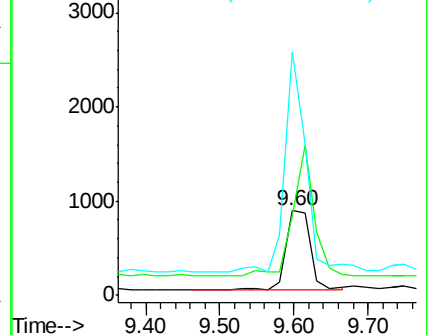
54 287.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095534.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BE095534.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BE095534.D (-508) (-)



#9

Naphthalene

Concen: 0.57 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

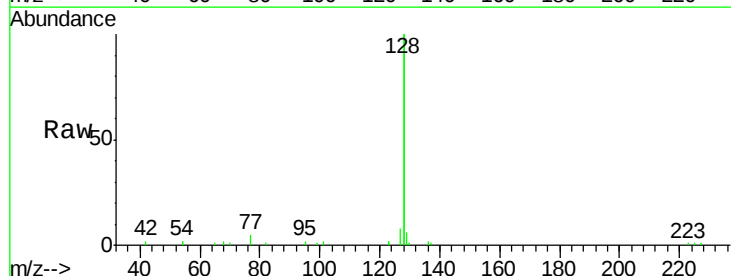
Tgt Ion: 128 Resp: 30848

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

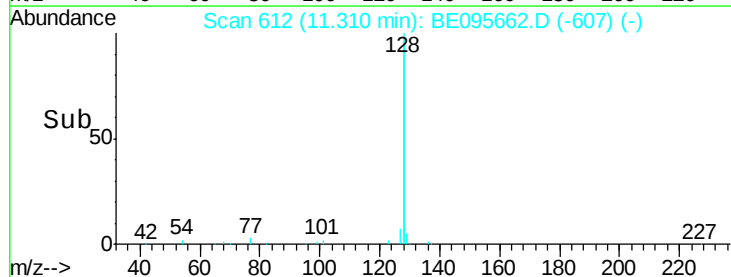
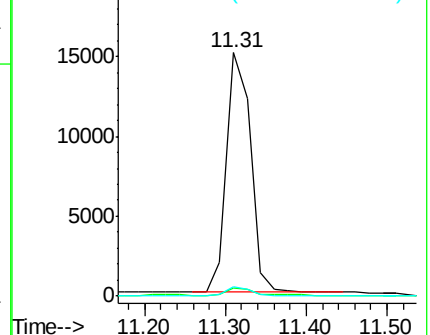
127 3.9 2.8 4.2

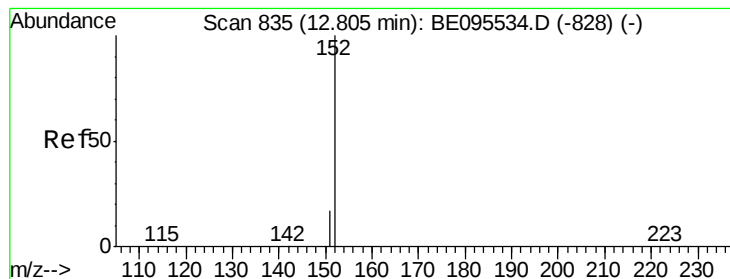


Abundance Ion 128.00 (127.70 to 128.70): BE095534.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE095534.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE095534.D (-609) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.40 ng

RT: 12.80 min Scan# 835

Delta R.T. 0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

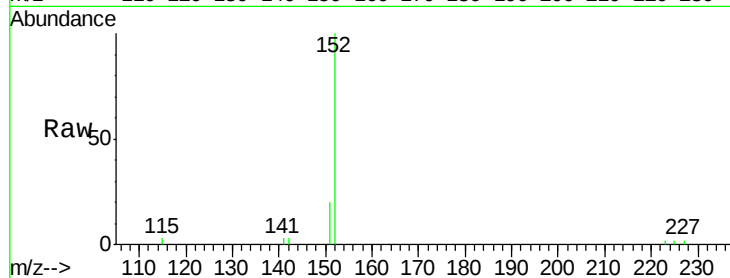
MW-4

Tgt Ion:152 Resp: 3110

Ion Ratio Lower Upper

152 100

151 19.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.80

2000

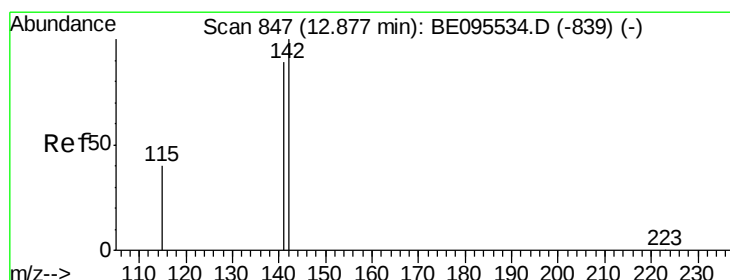
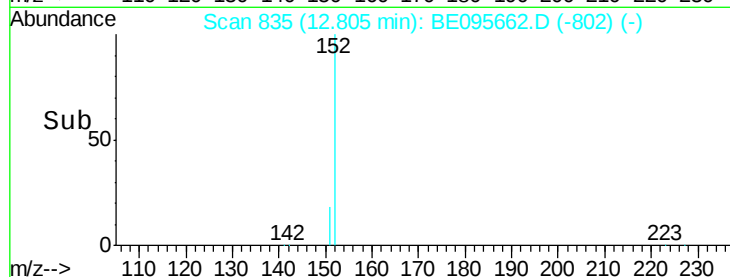
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.88 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

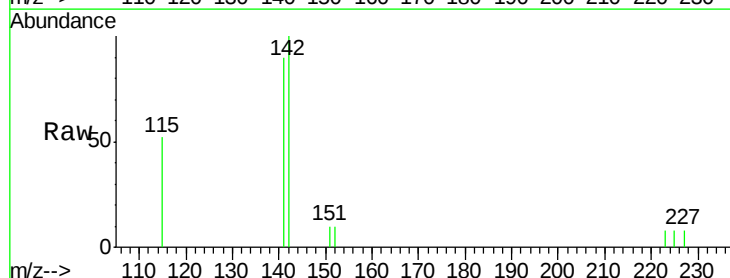
Tgt Ion:142 Resp: 789

Ion Ratio Lower Upper

142 100

141 90.4 70.4 105.6

115 52.5 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

12.88

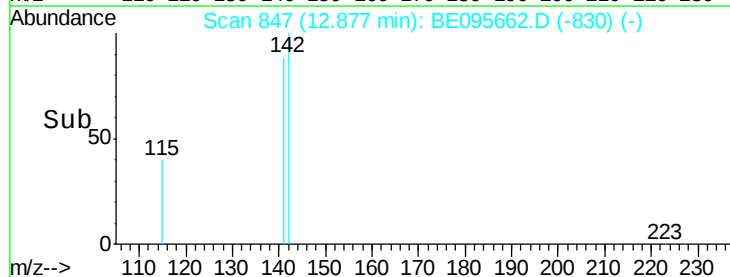
600

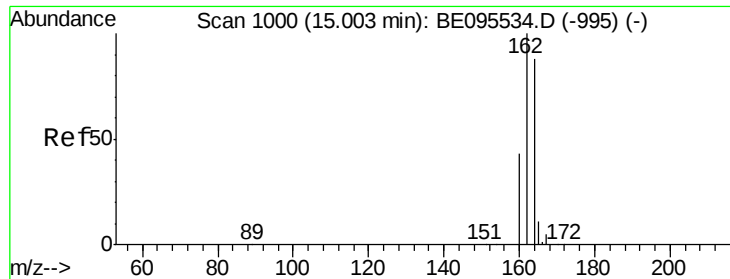
400

200

0

Time--> 12.80 12.85 12.90 12.95

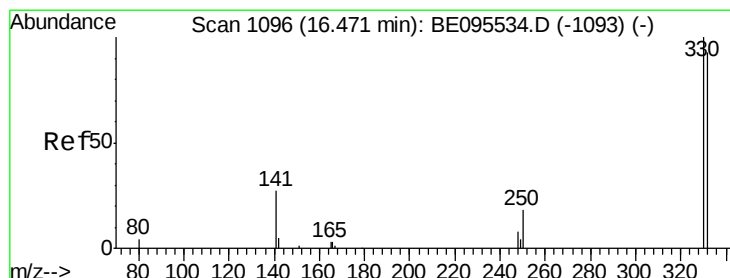
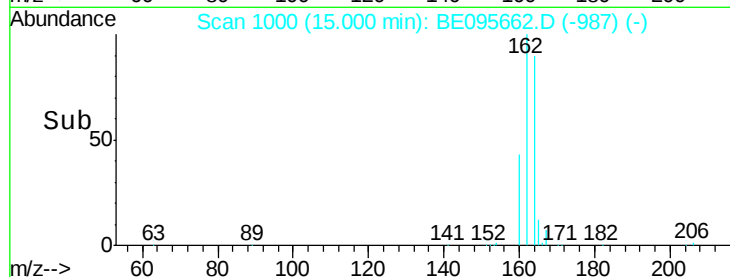
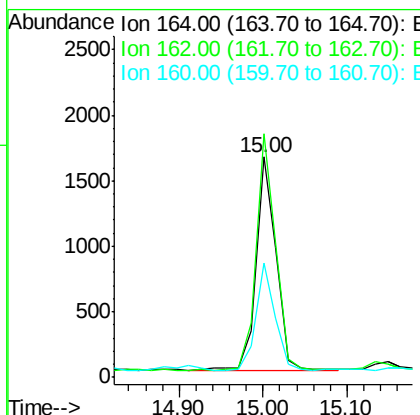
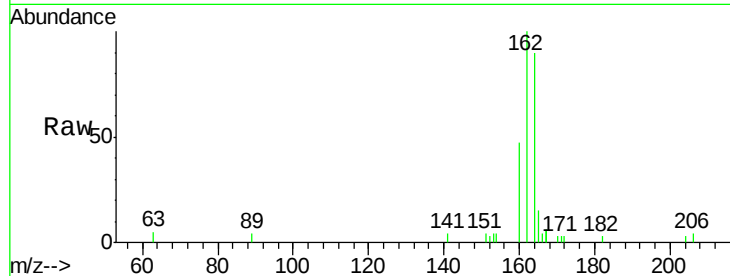




#13
 Acenaphthene-d10
 Concen: 0.40 ng
 RT: 15.00 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE095662.D
 Acq: 12 Feb 2018 15:33

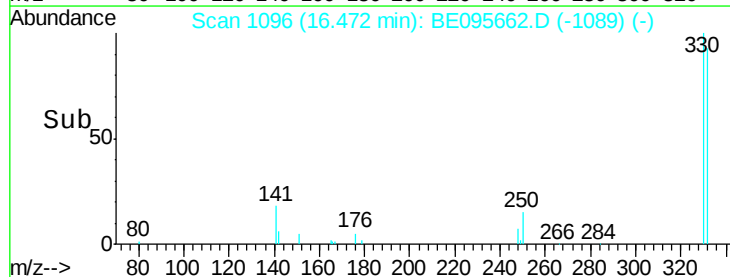
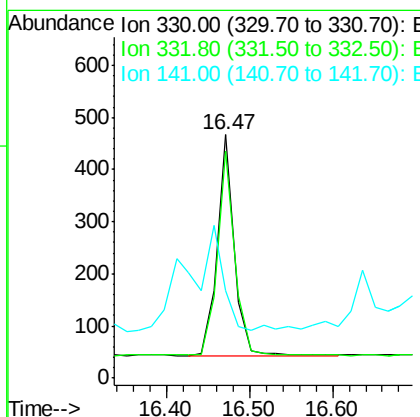
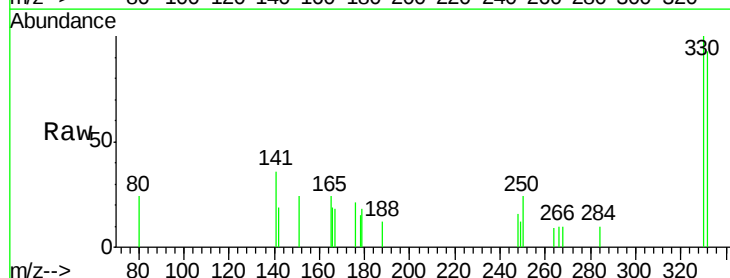
Instrument :
 BNA_E
 ClientSampleId :
 MW-4

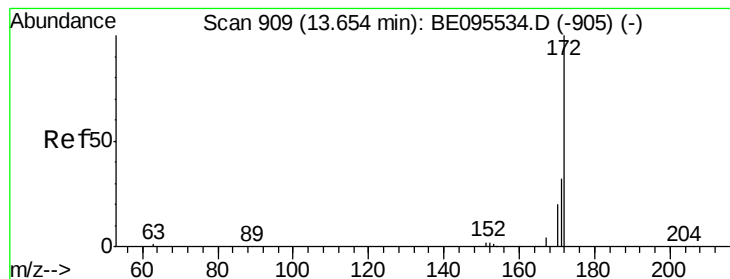
Tgt Ion:164 Resp: 2695
 Ion Ratio Lower Upper
 164 100
 162 110.7 83.1 124.7
 160 52.0 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.50 ng
 RT: 16.47 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: BE095662.D
 Acq: 12 Feb 2018 15:33

Tgt Ion:330 Resp: 614
 Ion Ratio Lower Upper
 330 100
 332 92.5 152.7 229.1#
 141 88.8 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.42 ng

RT: 13.65 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

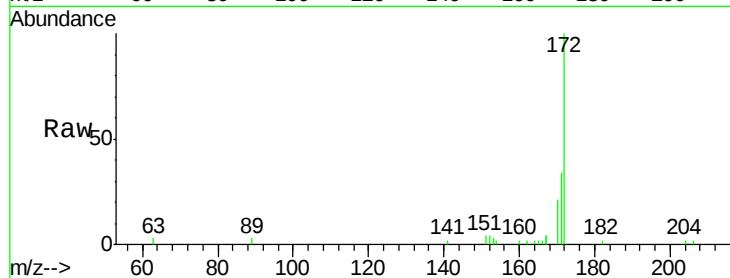
Tgt Ion:172 Resp: 4853

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

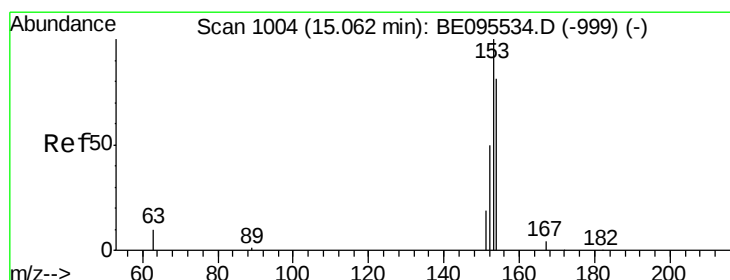
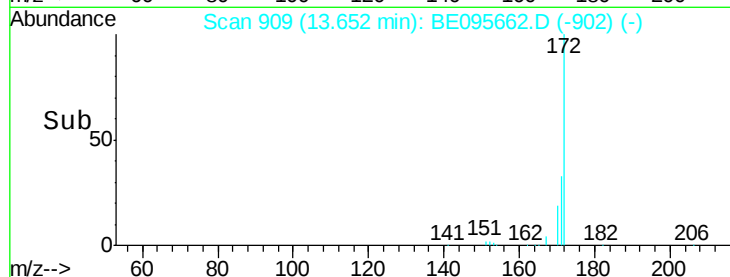
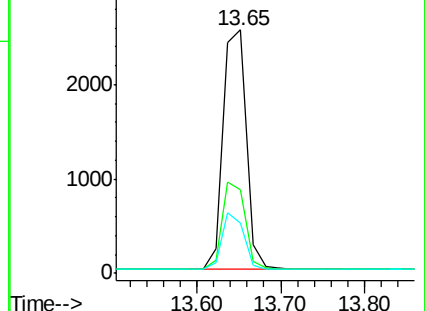
170 20.7 21.8 32.8#



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: 0.26 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

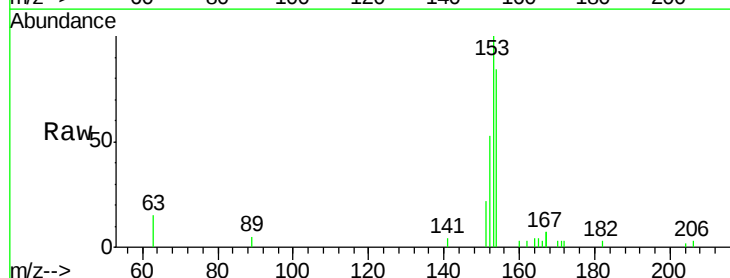
Tgt Ion:154 Resp: 2501

Ion Ratio Lower Upper

154 100

153 117.7 89.2 133.8

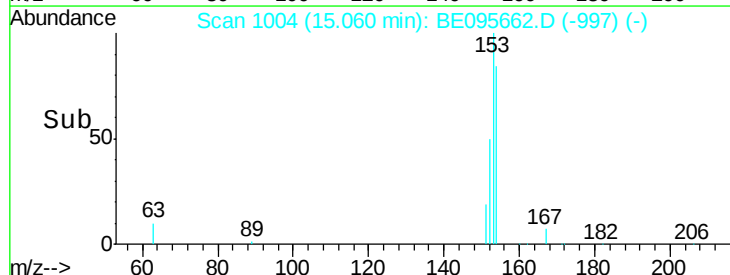
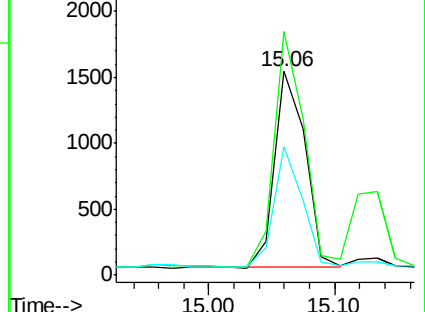
152 57.6 42.0 63.0

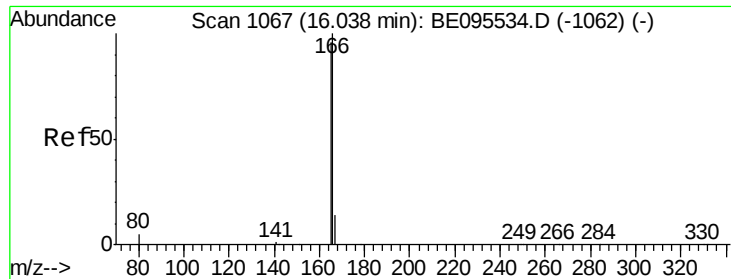


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.22 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

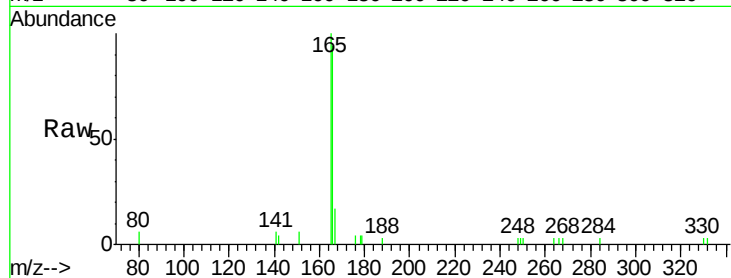
Tgt Ion:166 Resp: 2591

Ion Ratio Lower Upper

166 100

165 102.6 77.8 116.6

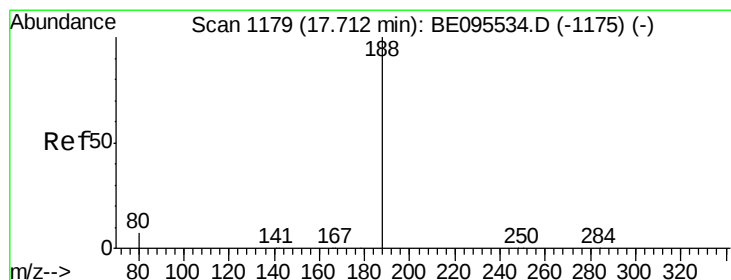
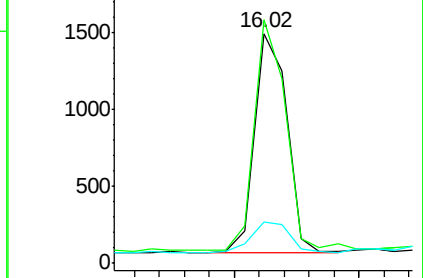
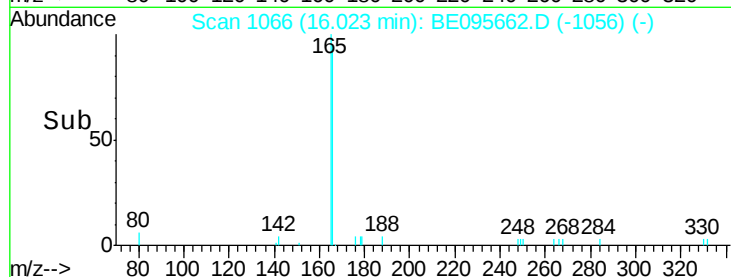
167 16.6 42.4 63.6#



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: 0.40 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

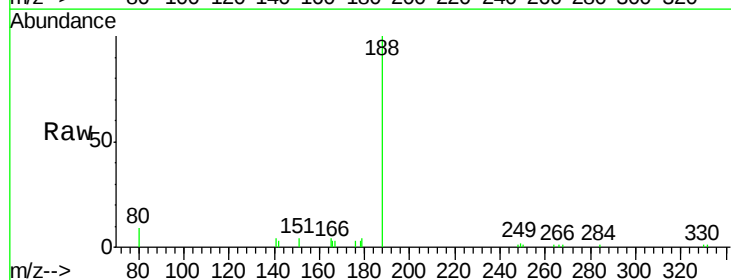
Tgt Ion:188 Resp: 5904

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

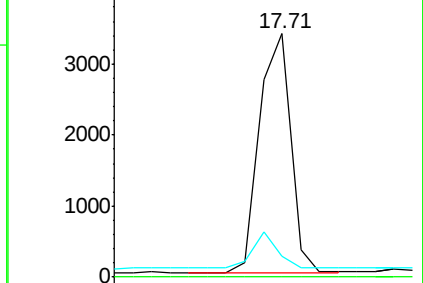
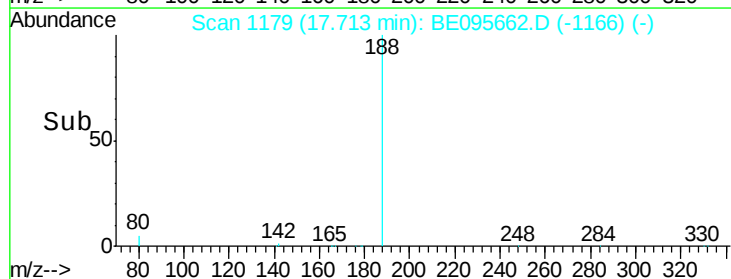
80 8.7 3.6 5.4#

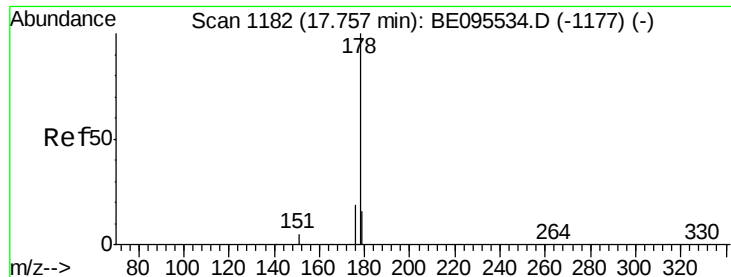


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.55 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

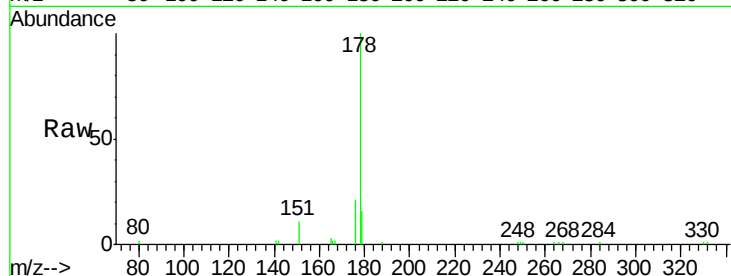
Tgt Ion:178 Resp: 9976

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

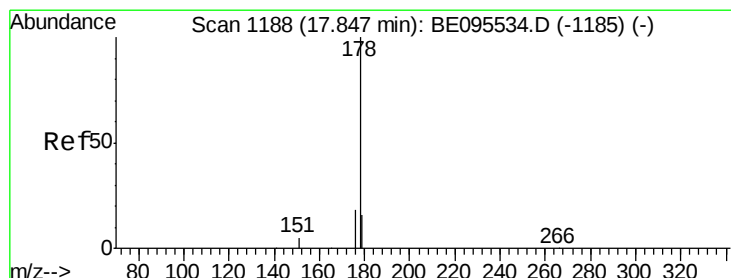
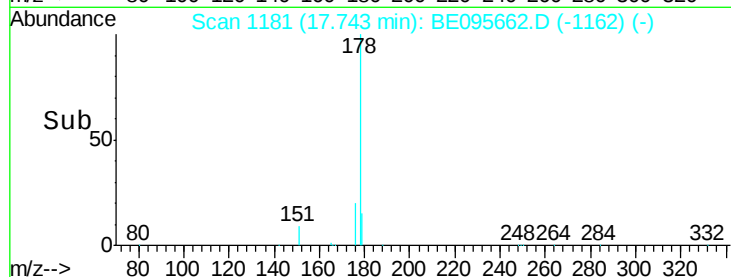
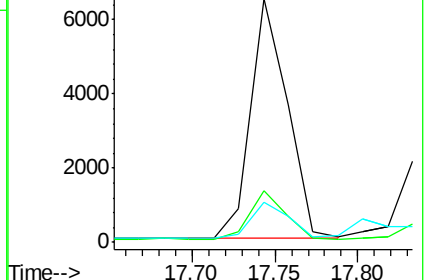
179 15.2 11.8 17.6



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



#24

Anthracene

Concen: 0.23 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

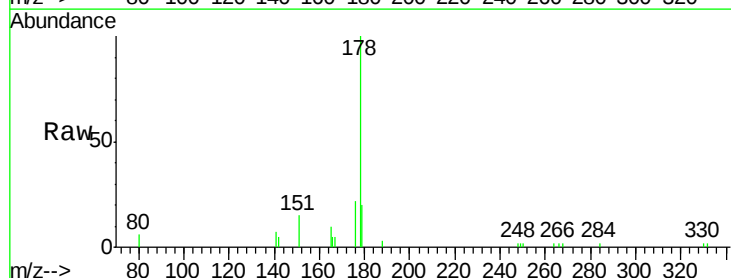
Tgt Ion:178 Resp: 3962

Ion Ratio Lower Upper

178 100

176 18.2 12.8 19.2

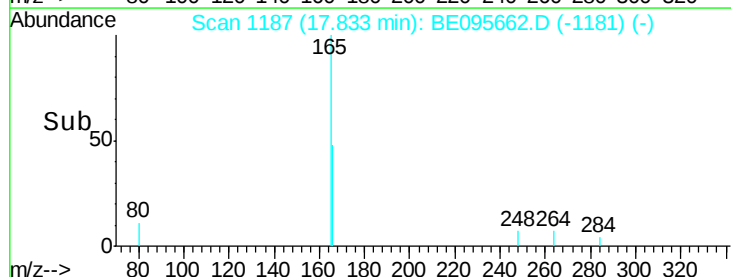
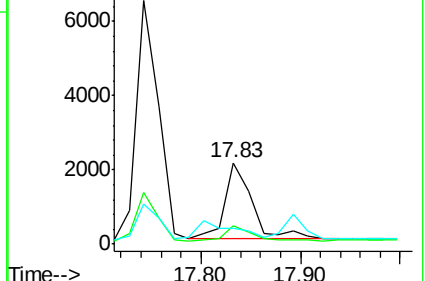
179 0.0 13.0 19.6#

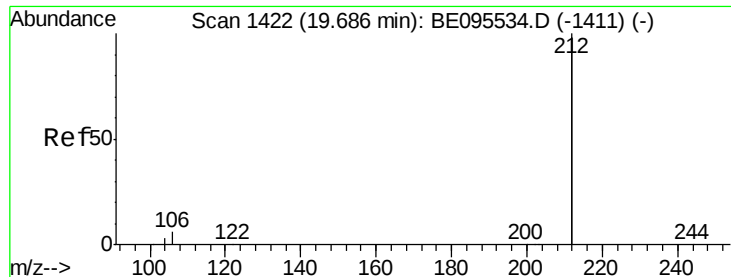


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.42 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

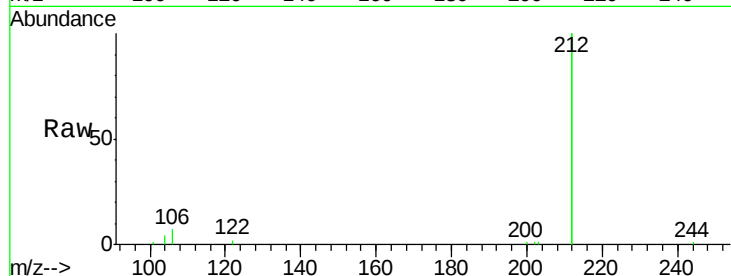
Tgt Ion:212 Resp: 32544

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

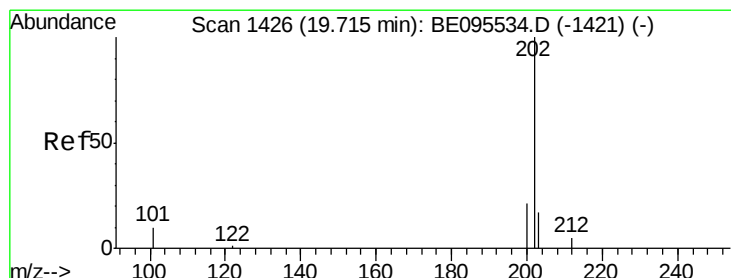
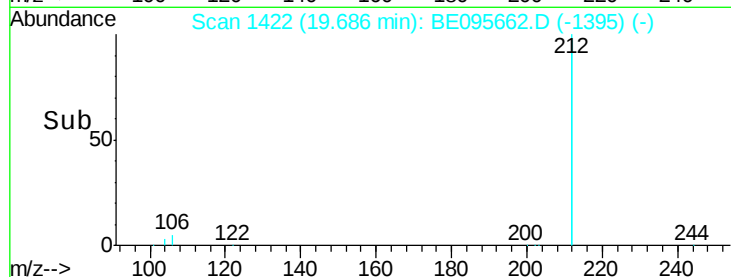
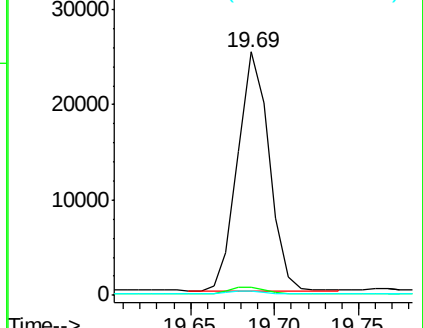
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.23 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

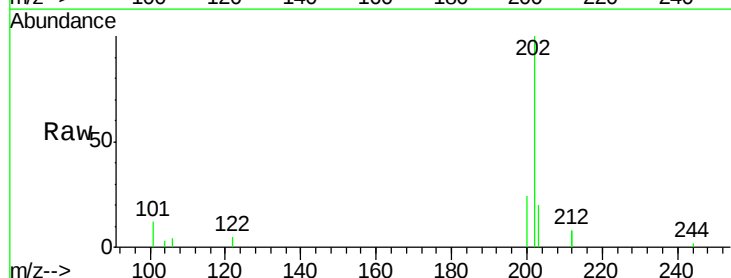
Tgt Ion:202 Resp: 5286

Ion Ratio Lower Upper

202 100

101 10.0 9.8 14.8

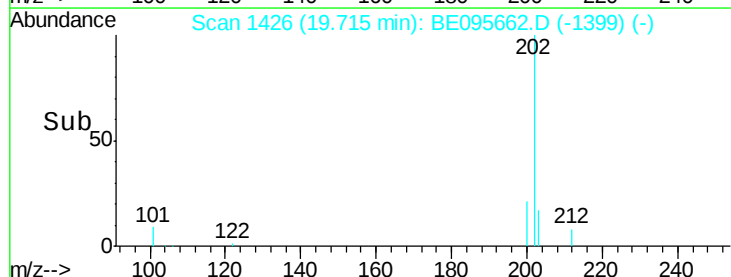
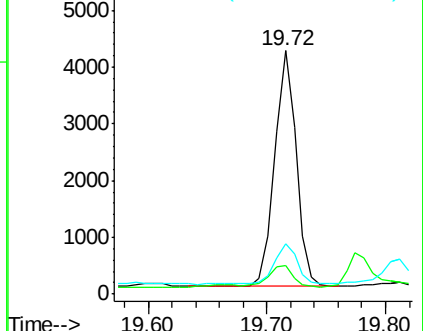
203 18.6 13.7 20.5

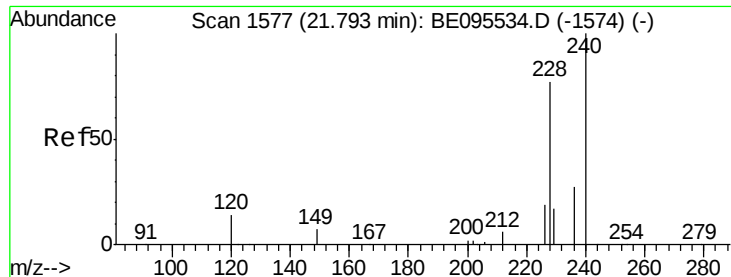


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

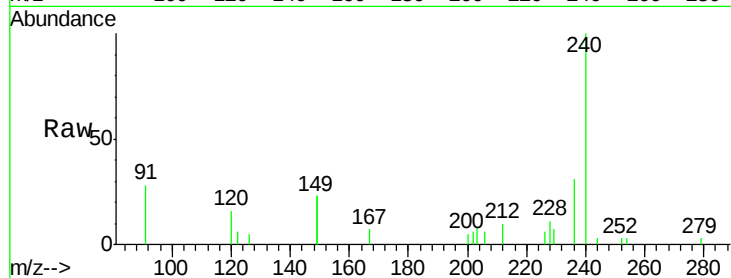
Tgt Ion:240 Resp: 6033

Ion Ratio Lower Upper

240 100

120 16.1 5.5 8.3#

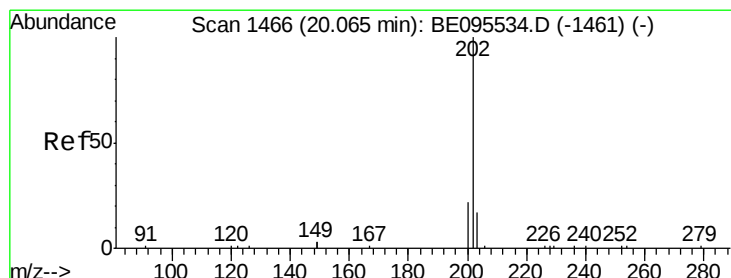
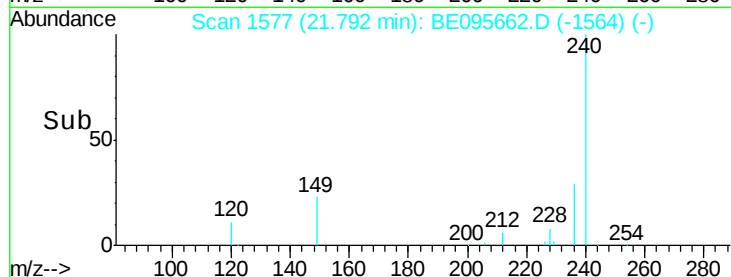
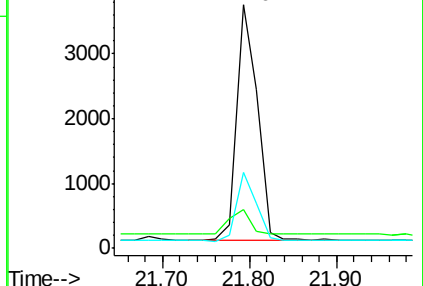
236 31.4 20.7 31.1#



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



#28

Pyrene

Concen: 0.34 ng

RT: 20.07 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

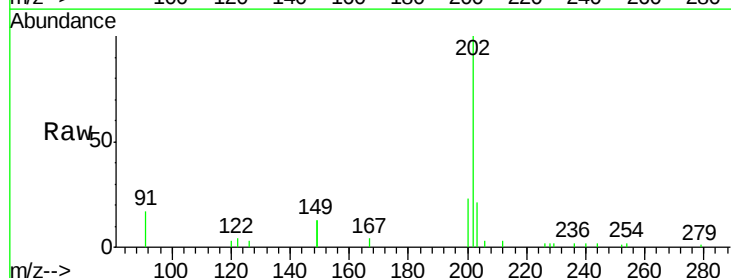
Tgt Ion:202 Resp: 8695

Ion Ratio Lower Upper

202 100

200 22.6 16.6 25.0

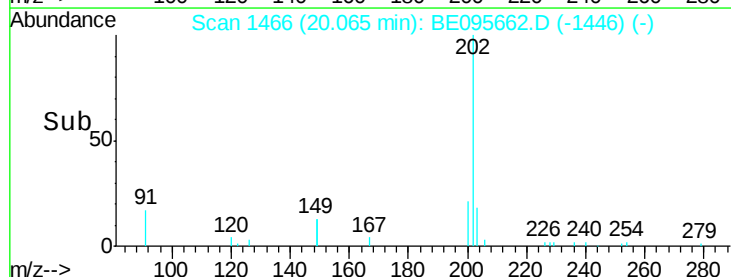
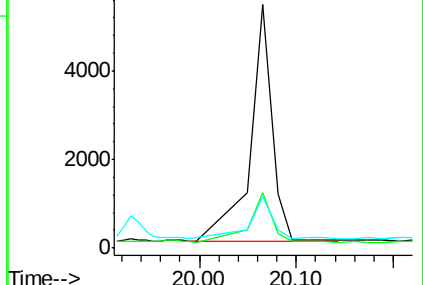
203 18.6 13.8 20.8

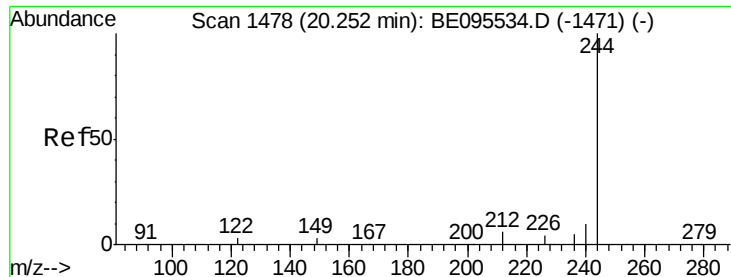


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.45 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampled :

MW-4

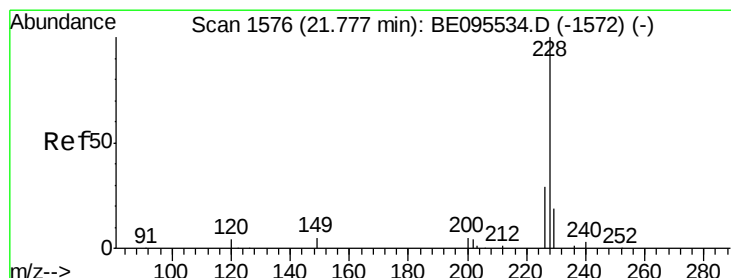
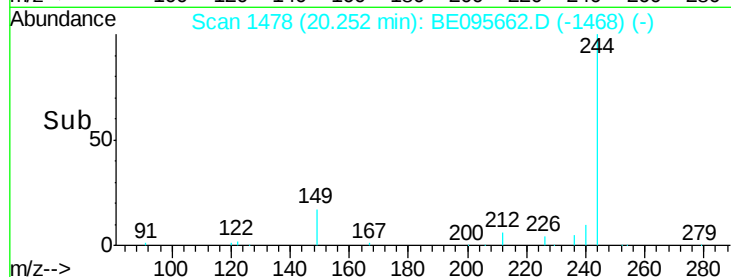
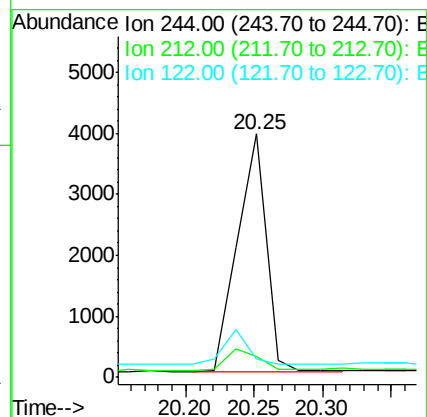
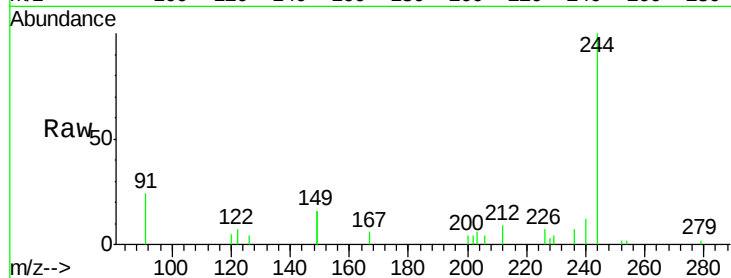
Tgt Ion:244 Resp: 5765

Ion Ratio Lower Upper

244 100

212 8.8 25.4 38.0#

122 7.3 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

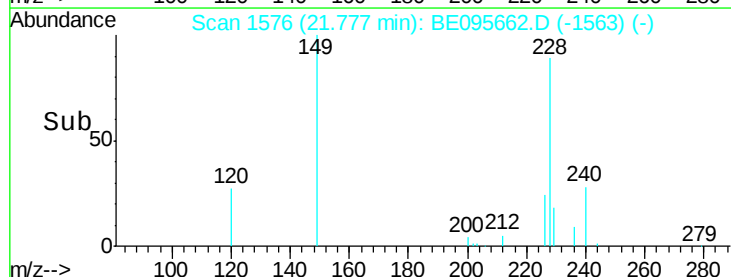
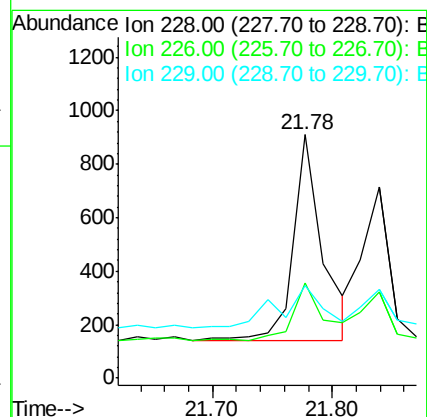
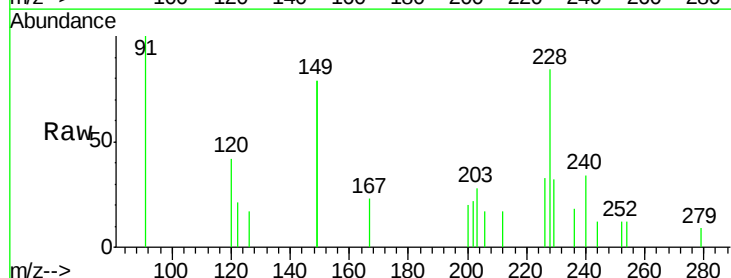
Tgt Ion:228 Resp: 1321

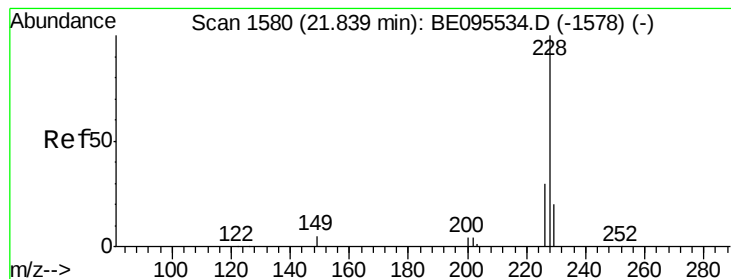
Ion Ratio Lower Upper

228 100

226 39.0 24.0 36.0#

229 38.2 16.0 24.0#





#31

Chrysene

Concen: 0.05 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

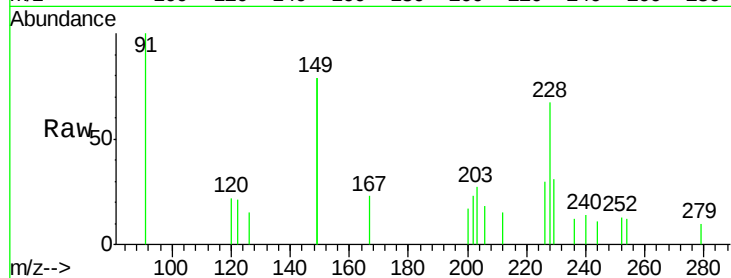
Tgt Ion: 228 Resp: 912

Ion Ratio Lower Upper

228 100

226 45.0 24.0 36.0#

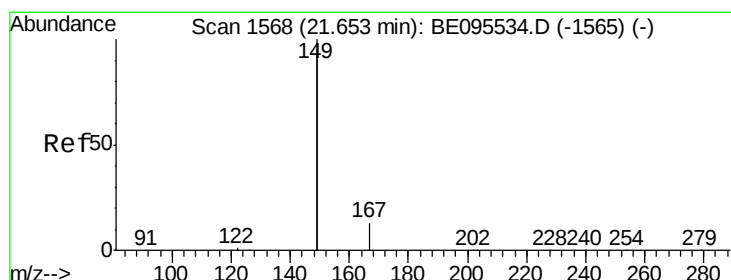
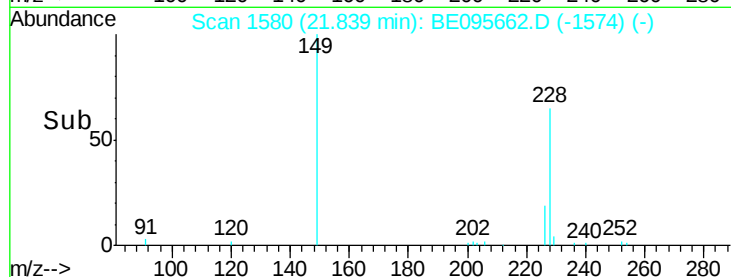
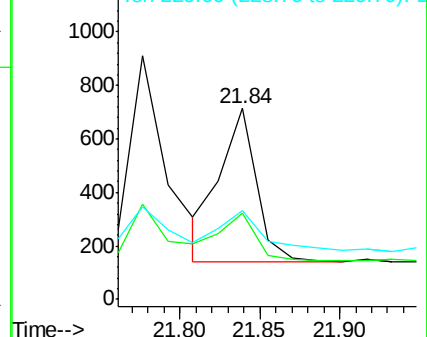
229 46.2 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

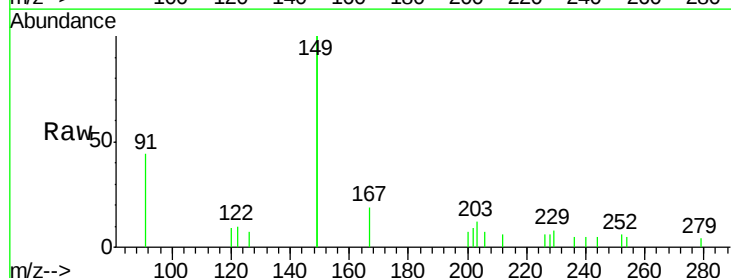
Tgt Ion: 149 Resp: 3724

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.0#

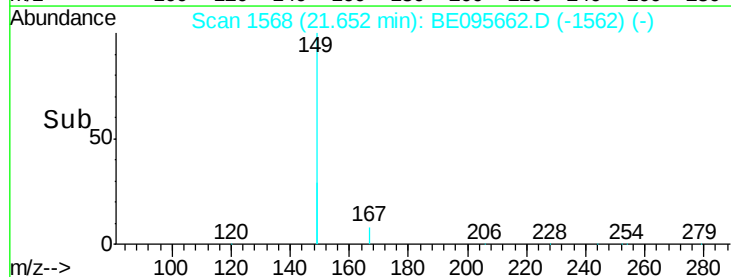
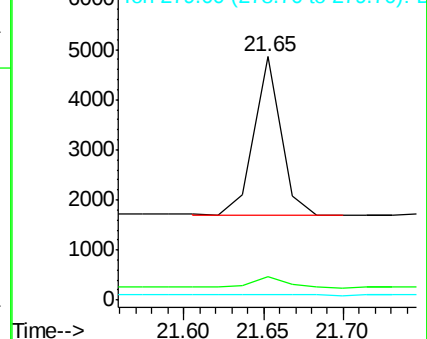
279 1.3 0.7 1.1#

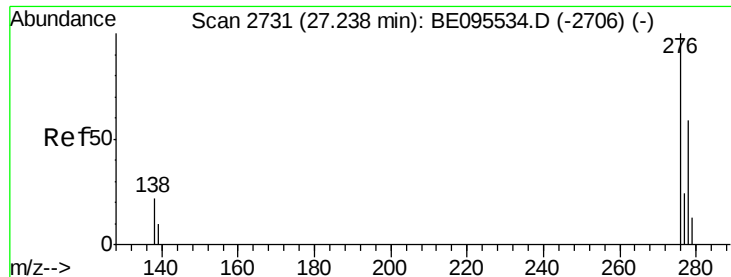


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 27.22 min Scan# 2727

Delta R.T. -0.02 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Instrument :

BNA_E

ClientSampleId :

MW-4

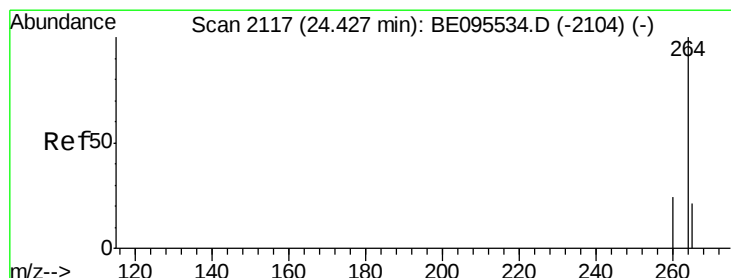
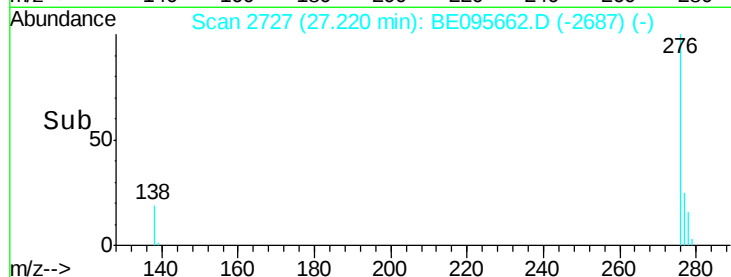
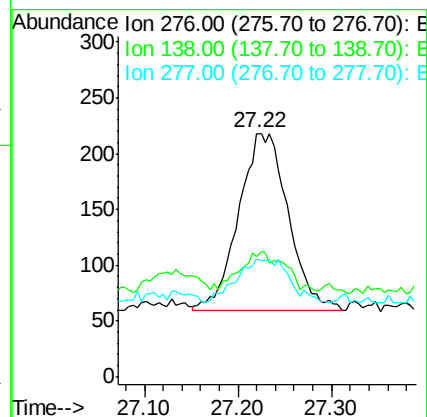
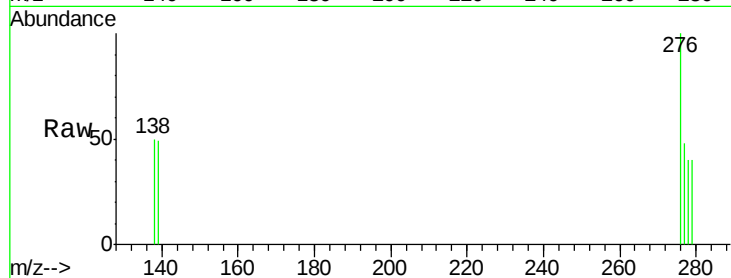
Tgt Ion:276 Resp: 580

Ion Ratio Lower Upper

276 100

138 20.3 22.5 33.7#

277 24.0 19.9 29.9



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.43 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE095662.D

Acq: 12 Feb 2018 15:33

Tgt Ion:264 Resp: 5736

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 30.1 22.8 34.2

