

Data Path : Z:\HPCHEM1\BNA E\Data\BE022318\
 Data File : BE095682.D
 Acq On : 23 Feb 2018 14:31
 Operator : SJ/JU
 Sample : J1629-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-180220

Quant Time: Feb 23 15:56:26 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

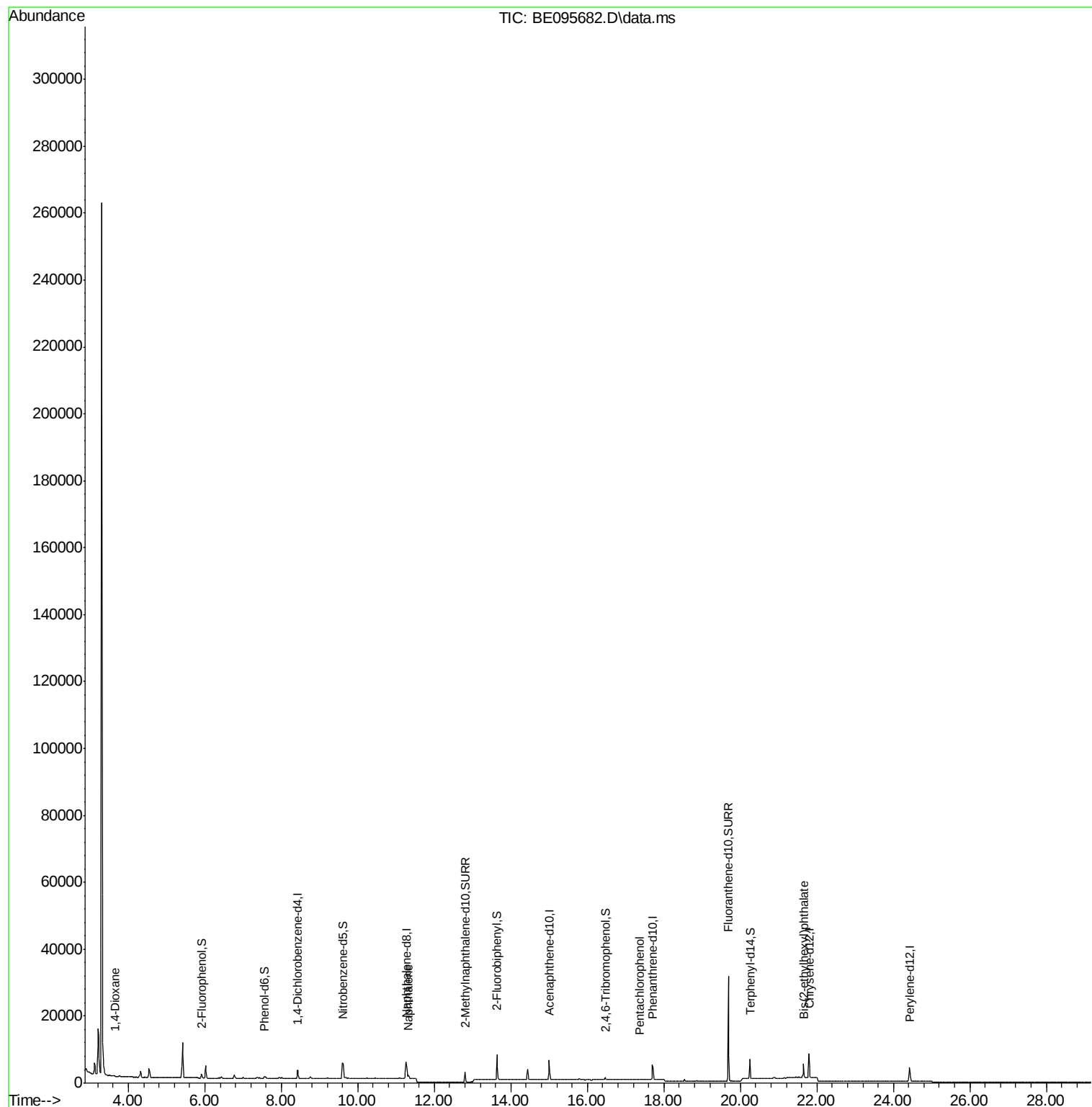
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.434	152	1414	0.40	ng	0.00
7) Naphthalene-d8	11.259	136	5484	0.40	ng	-0.02
13) Acenaphthene-d10	15.003	164	3246	0.40	ng	0.00
19) Phenanthrene-d10	17.700	188	7311	0.40	ng	0.00
27) Chrysene-d12	21.792	240	7411	0.40	ng	0.00
34) Perylene-d12	24.422	264	6821	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.916	112	688	0.18	ng	0.00
5) Phenol-d6	7.565	99	548	0.11	ng	0.01
8) Nitrobenzene-d5	9.614	82	2189	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.804	152	3761	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.474	330	493	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.640	172	6844	0.47	ng	0.00
25) Fluoranthene-d10	19.686	212	40003	0.42	ng	0.00
29) Terphenyl-d14	20.252	244	7343	0.50	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.649	88	89	0.04	ng	# 1
9) Naphthalene	11.310	128	1934	0.03	ng	# 88
22) Pentachlorophenol	17.371	266	6	0.18	ng	94
32) Bis(2-ethylhexyl)phtha...	21.652	149	4811	0.11	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.434 min Scan# 44

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

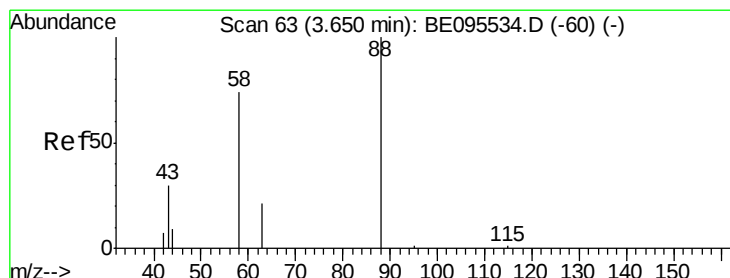
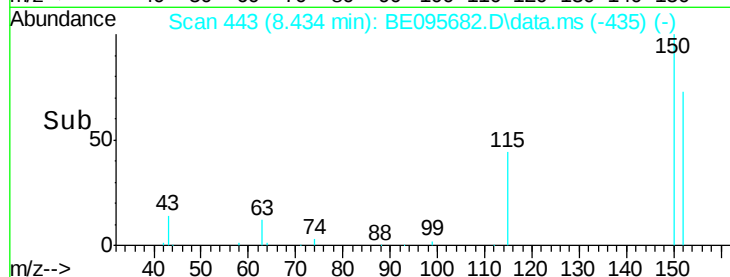
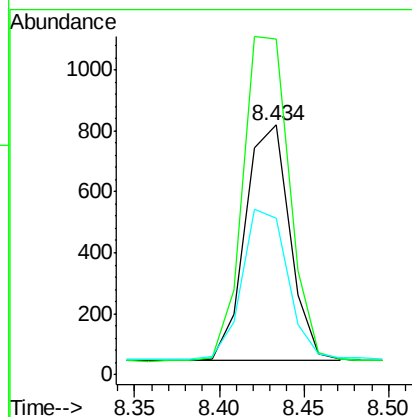
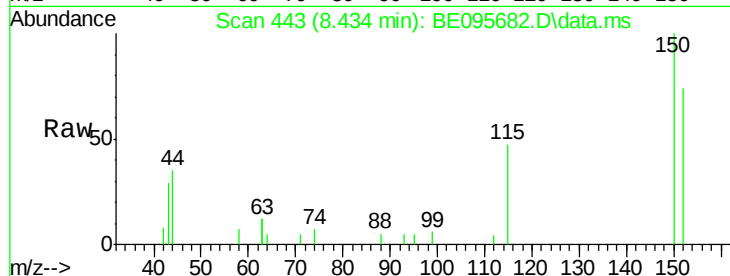
Tot Ion:152 Resp: 1414

Ion Ratio Lower Upper

152 100

150 134.3 117.2 175.8

115 62.6 57.0 85.6



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 3.649 min Scan# 63

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

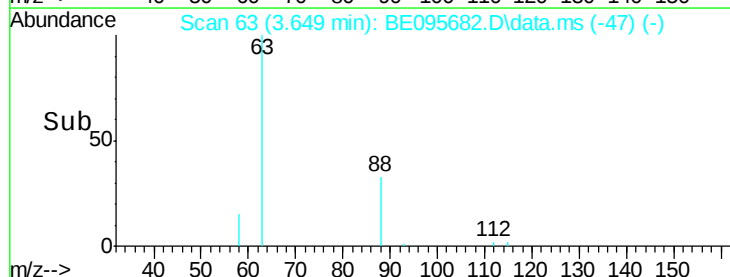
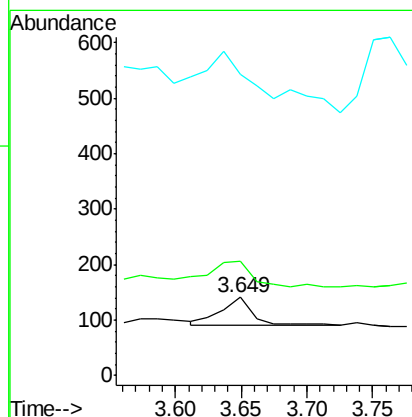
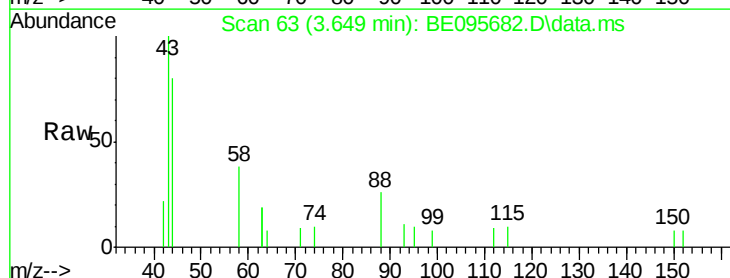
Tgt Ion: 88 Resp: 89

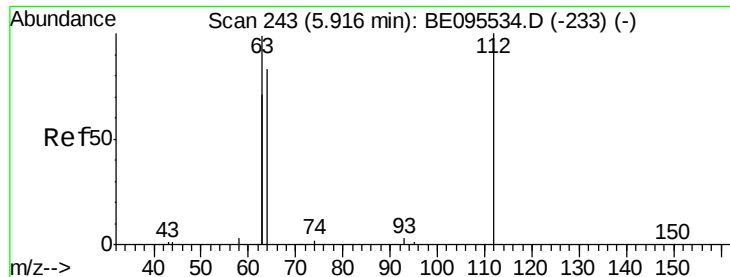
Ion Ratio Lower Upper

88 100

58 123.6 63.2 94.8#

43 368.5 41.2 61.8#





#4

2-Fluorophenol

Concen: 0.18 ng

RT: 5.916 min Scan# 24

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

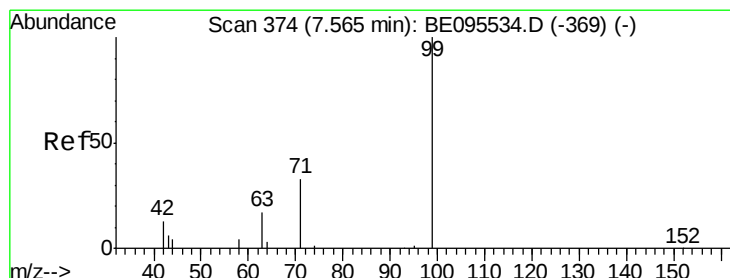
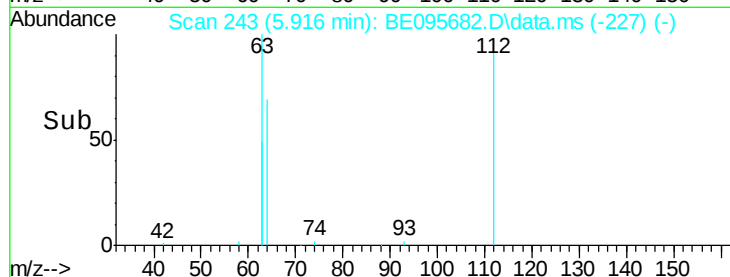
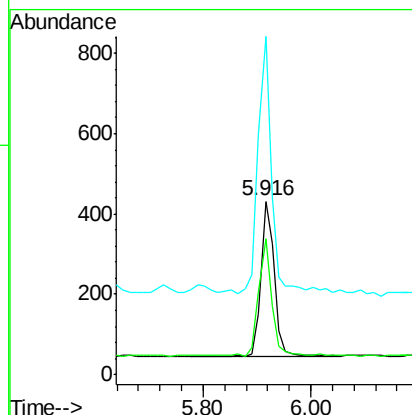
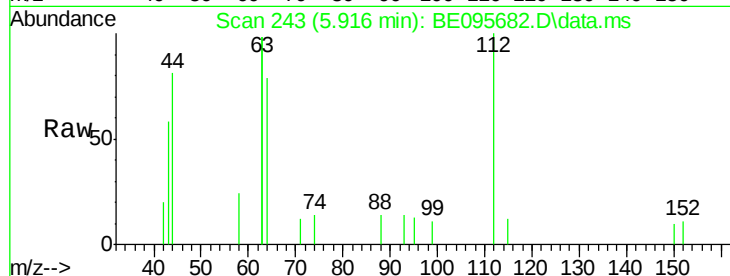
Tot Ion:112 Resp: 688

Ion Ratio Lower Upper

112 100

64 70.5 60.1 90.1

63 159.6 116.8 175.2



#5

Phenol-d6

Concen: 0.11 ng

RT: 7.565 min Scan# 374

Delta R.T. 0.013 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

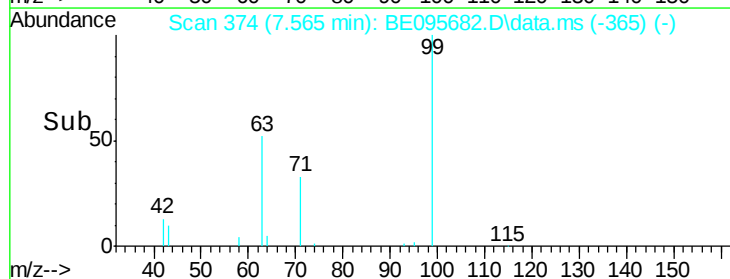
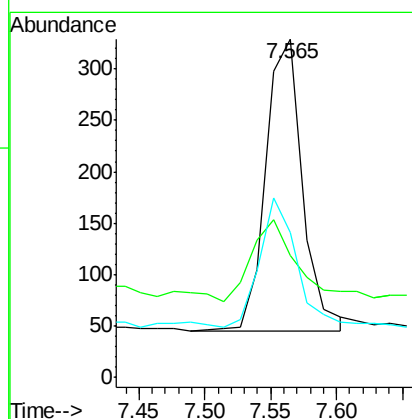
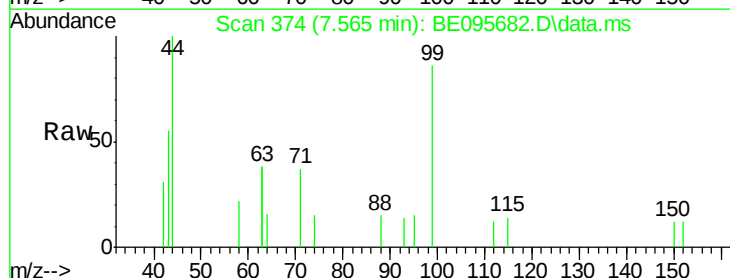
Tgt Ion: 99 Resp: 548

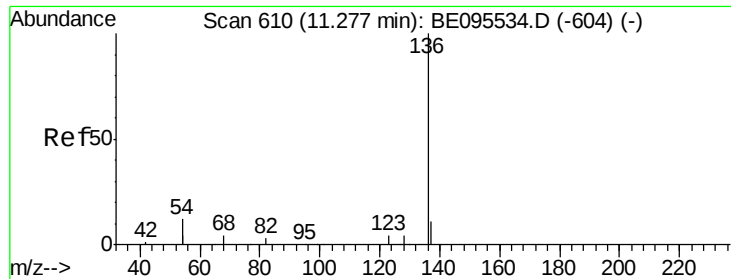
Ion Ratio Lower Upper

99 100

42 33.6 20.2 30.2#

71 44.7 28.4 42.6#





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.259 min Scan# 609

Delta R.T. -0.017 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

Tot Ion:136 Resp: 5484

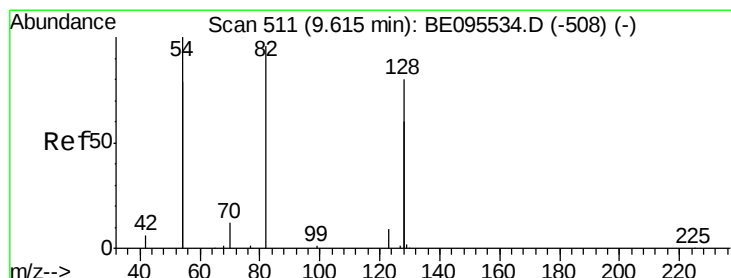
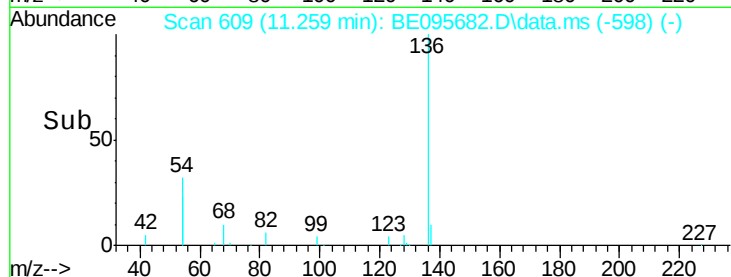
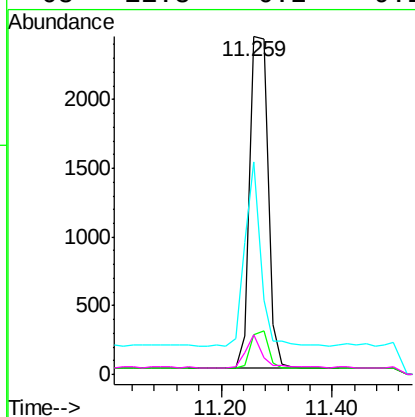
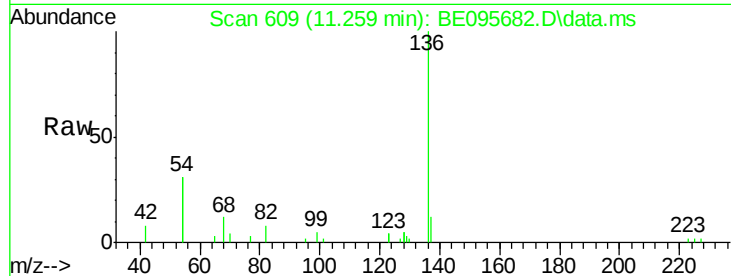
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 62.8 29.1 43.7#

68 11.8 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.614 min Scan# 511

Delta R.T. 0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

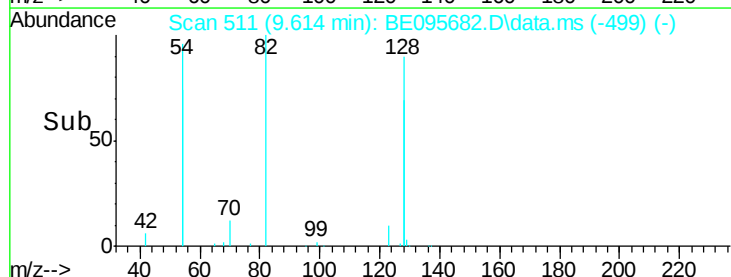
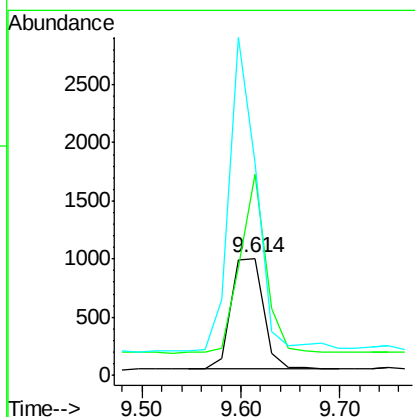
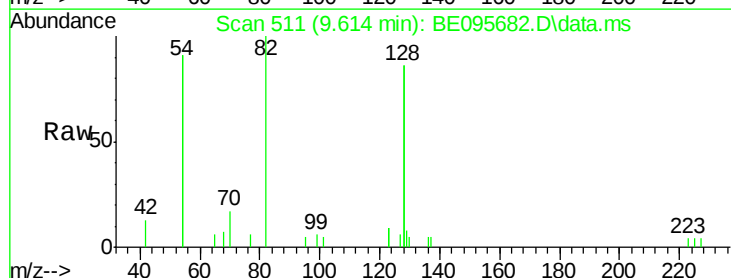
Tgt Ion: 82 Resp: 2189

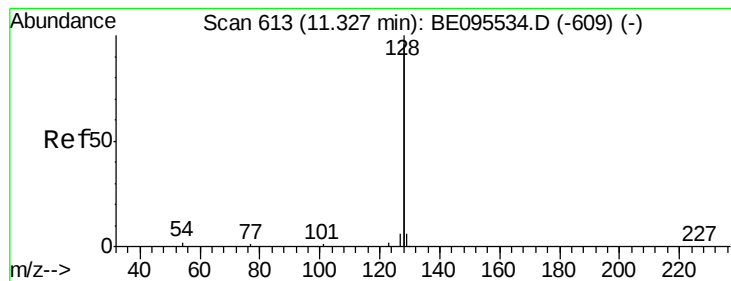
Ion Ratio Lower Upper

82 100

128 171.4 150.0 225.0

54 181.5 154.2 231.4





#9

Naphthalene

Concen: 0.03 ng

RT: 11.310 min Scan# 61

Delta R.T. 0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

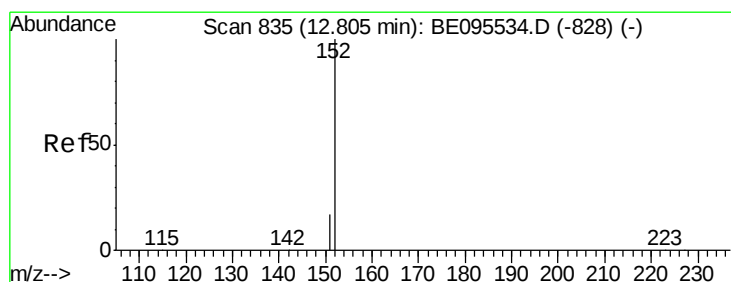
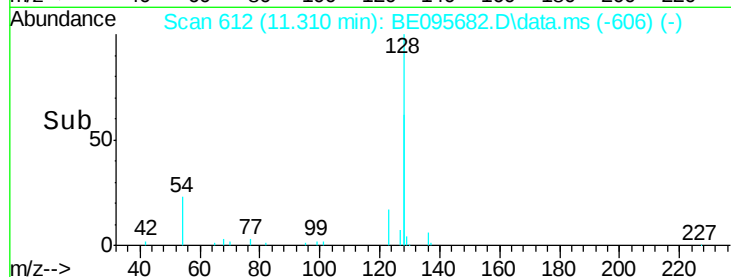
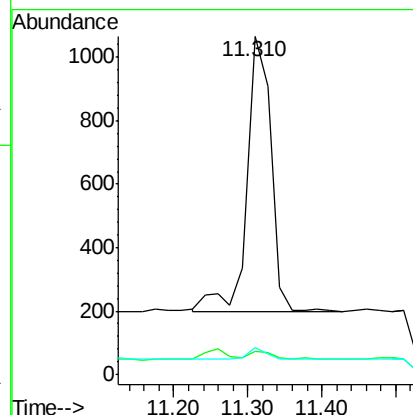
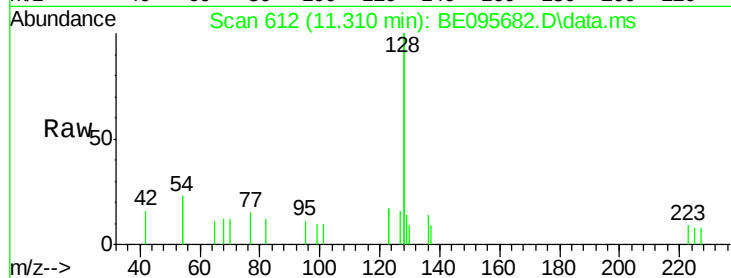
Tot Ion:128 Resp: 1934

Ion Ratio Lower Upper

128 100

129 6.8 2.6 3.8#

127 7.9 2.8 4.2#



#11

2-Methylnaphthalene-d10

Concen: 0.41 ng

RT: 12.804 min Scan# 835

Delta R.T. 0.000 min

Lab File: BE095682.D

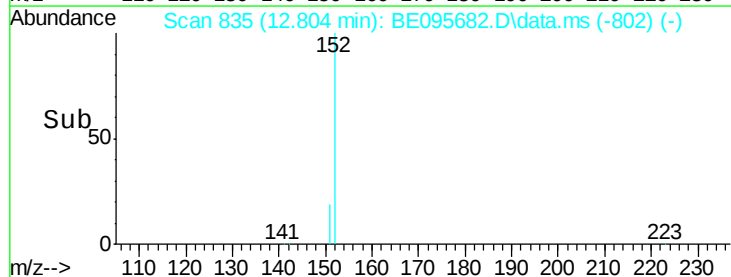
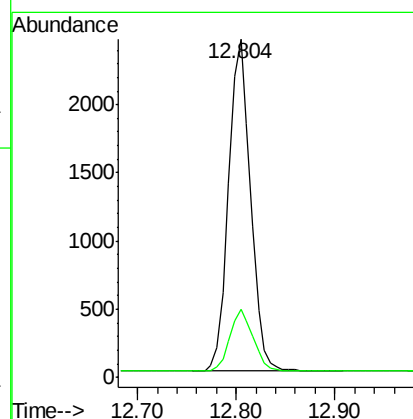
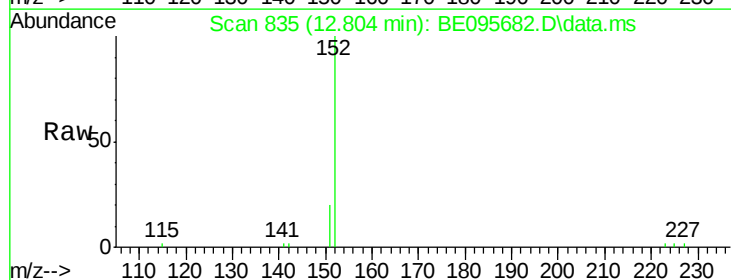
Acq: 23 Feb 2018 14:31

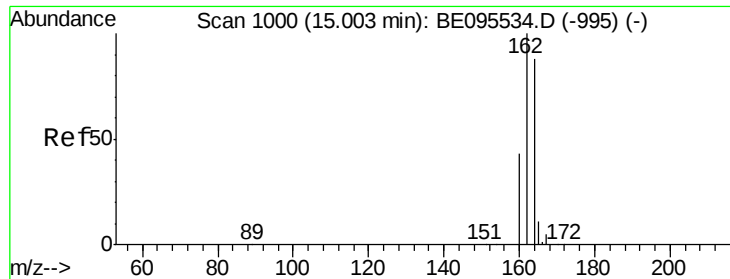
Tgt Ion:152 Resp: 3761

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.0





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 15.003 min Scan# 1000

Delta R.T. 0.001 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

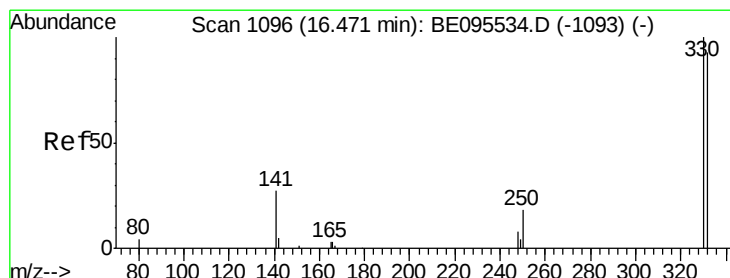
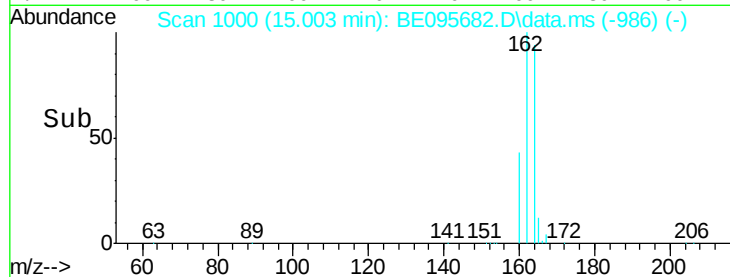
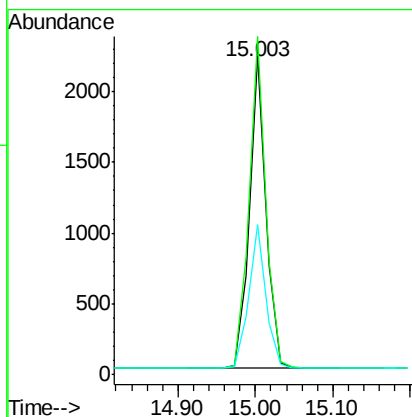
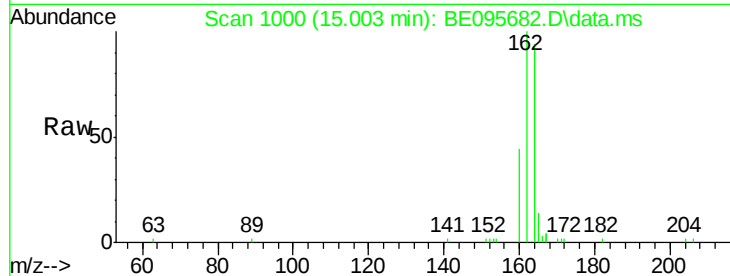
Tot Ion:164 Resp: 3246

Ion Ratio Lower Upper

164 100

162 106.1 83.1 124.7

160 47.1 37.1 55.7



#14

2,4,6-Tribromophenol

Concen: 0.43 ng

RT: 16.474 min Scan# 1096

Delta R.T. 0.001 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

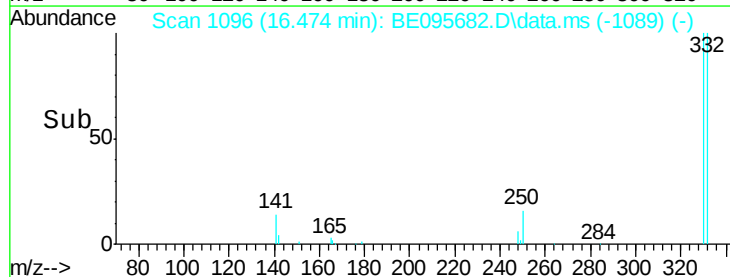
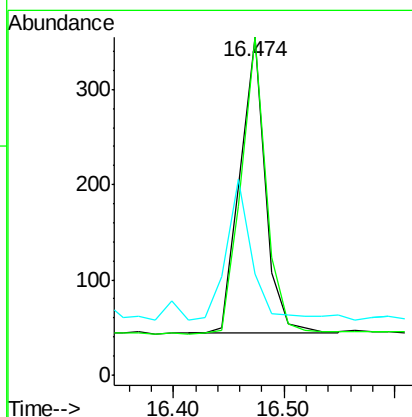
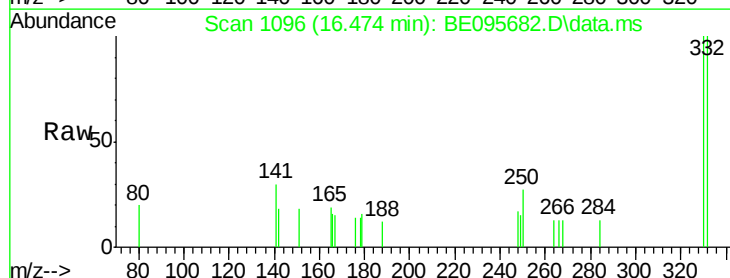
Tgt Ion:330 Resp: 493

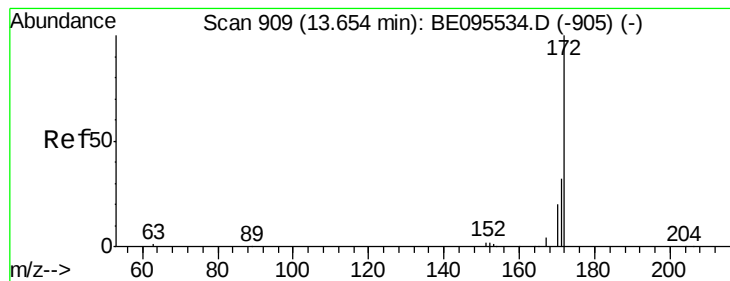
Ion Ratio Lower Upper

330 100

332 101.4 152.7 229.1#

141 50.3 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.47 ng

RT: 13.640 min Scan# 90

Delta R.T. 0.001 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

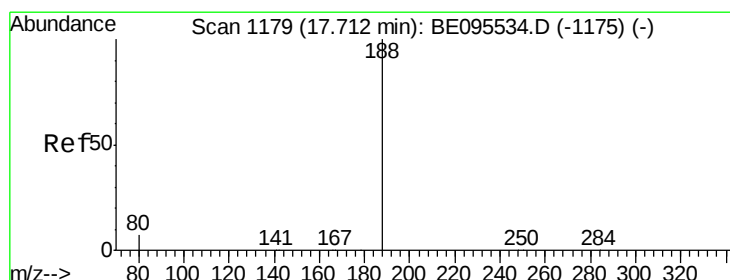
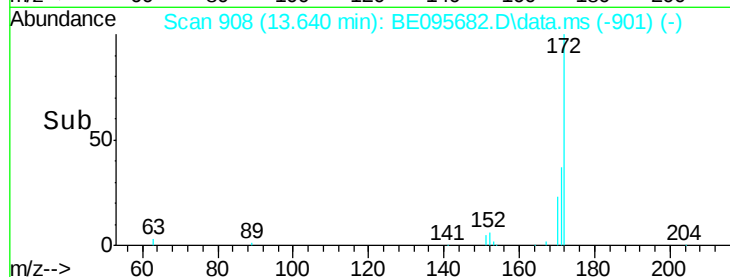
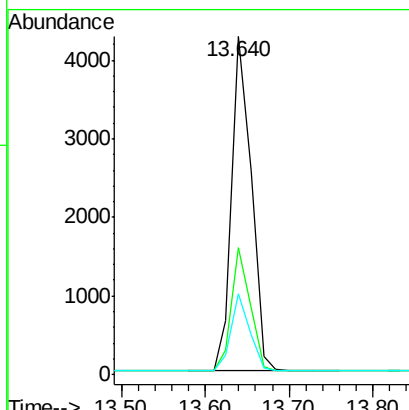
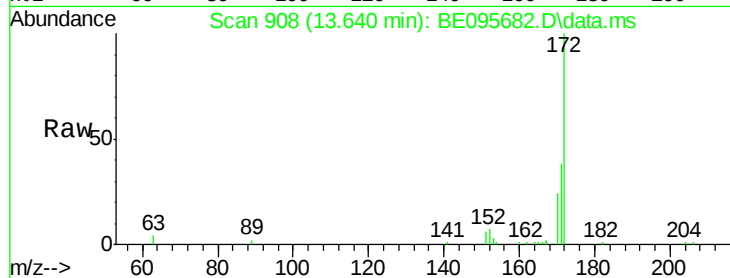
Tot Ion:172 Resp: 6844

Ion Ratio Lower Upper

172 100

171 37.6 29.9 44.9

170 24.0 21.8 32.8



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.700 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

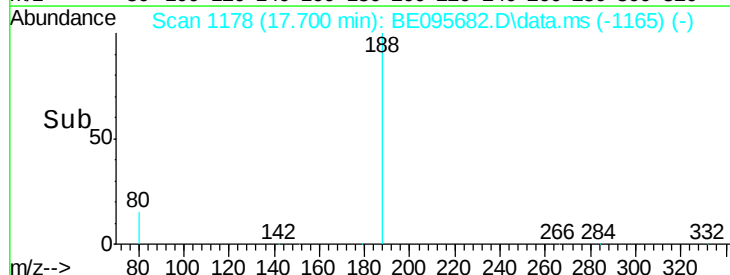
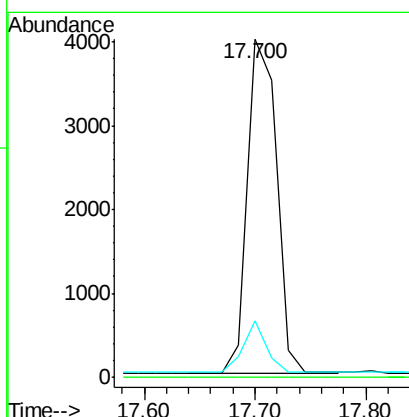
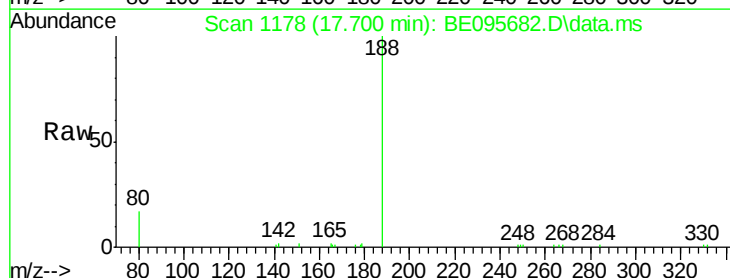
Tgt Ion:188 Resp: 7311

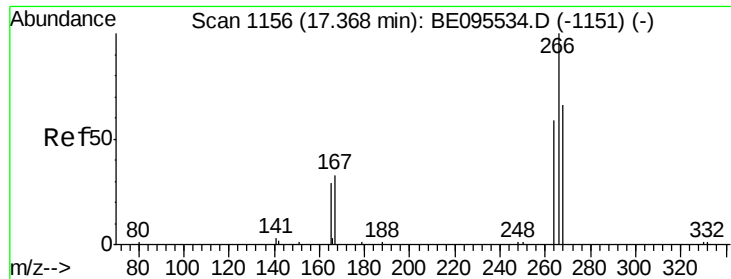
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 16.6 3.6 5.4#

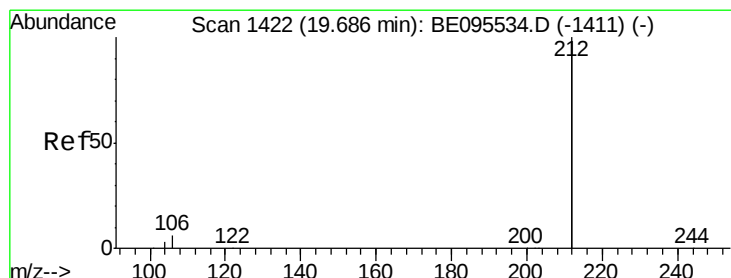
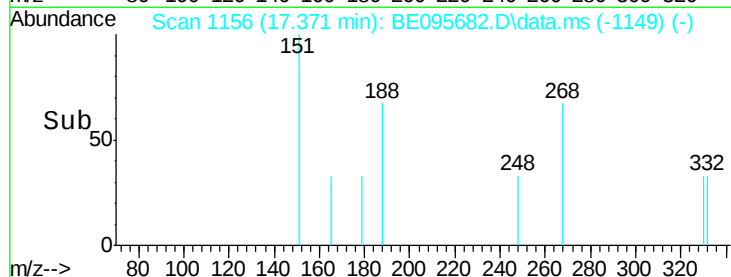
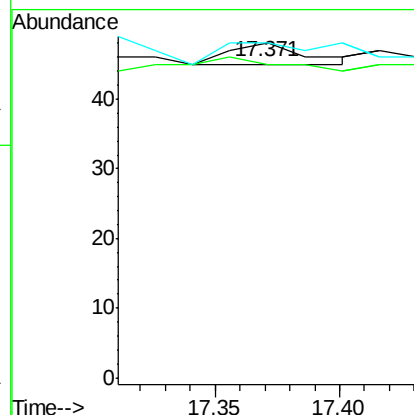
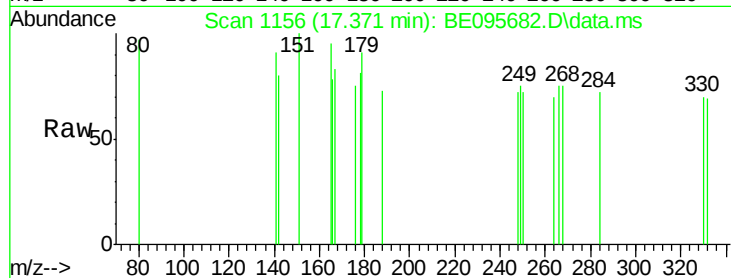




#22
 Pentachlorophenol
 Concen: 0.18 ng
 RT: 17.371 min Scan# 1156
 Delta R.T. 0.001 min
 Lab File: BE095682.D
 Acq: 23 Feb 2018 14:31

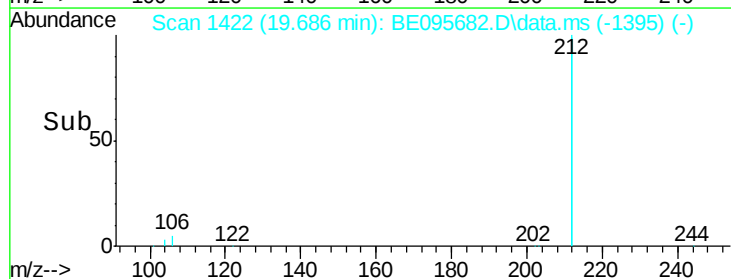
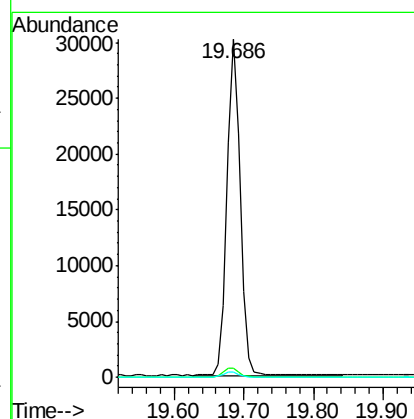
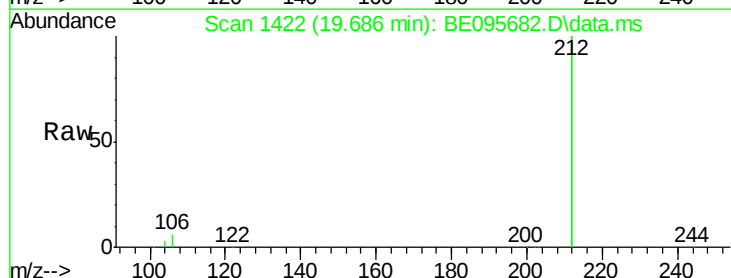
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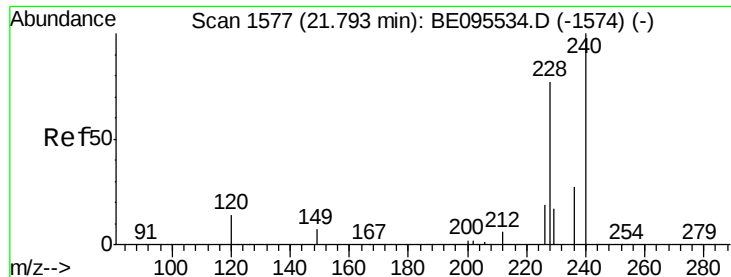
Tot Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 93.8 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.42 ng
 RT: 19.686 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: BE095682.D
 Acq: 23 Feb 2018 14:31

Tgt Ion:212 Resp: 40003
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.8 4.2
 104 1.6 1.6 2.4





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.792 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

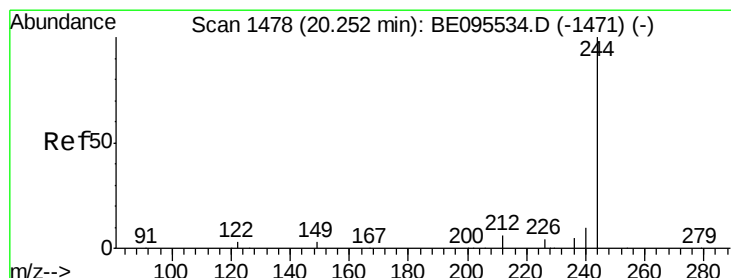
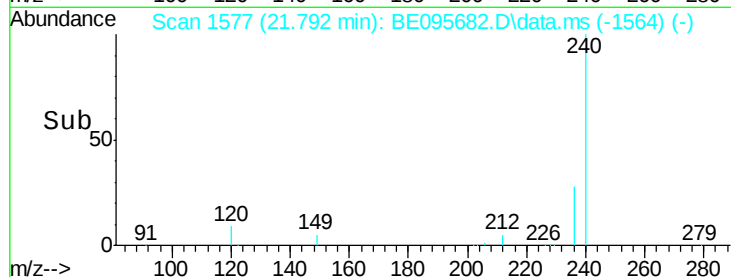
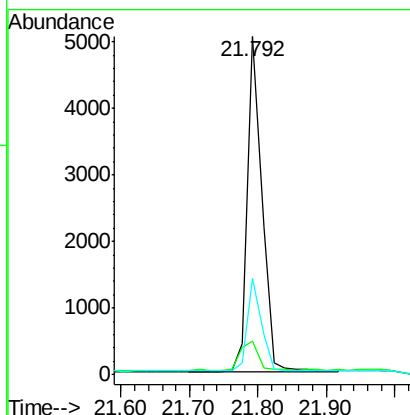
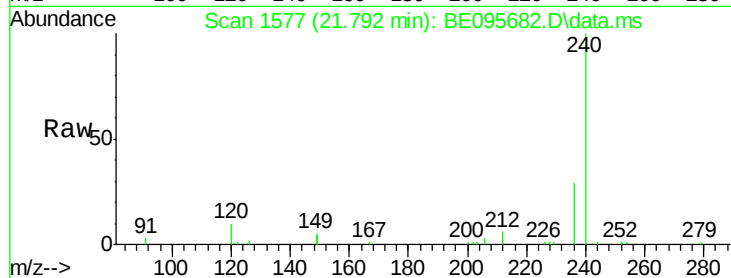
Tot Ion:240 Resp: 7411

Ion Ratio Lower Upper

240 100

120 9.7 5.5 8.3#

236 28.6 20.7 31.1



#29

Terphenyl-d14

Concen: 0.50 ng

RT: 20.252 min Scan# 1478

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

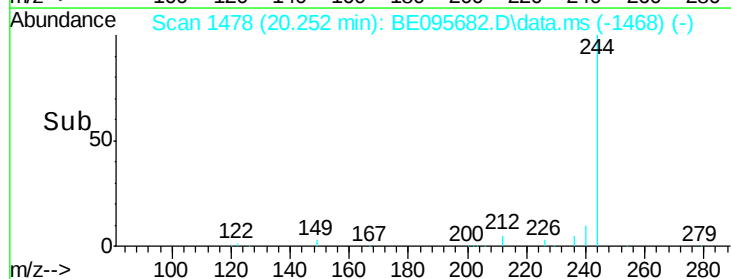
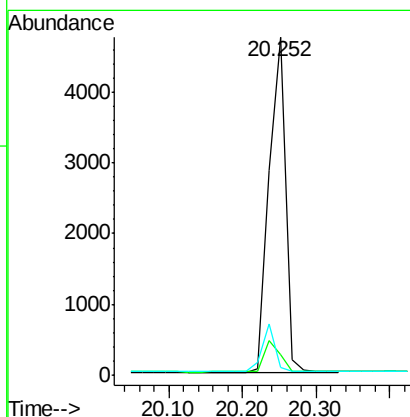
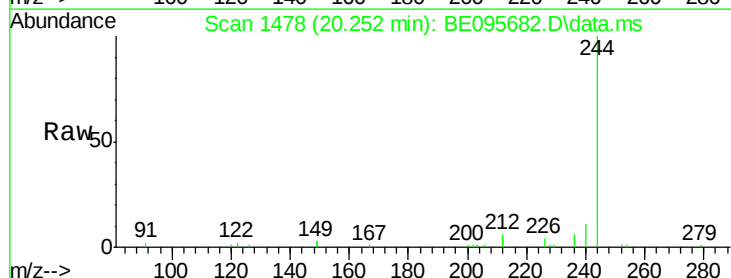
Tgt Ion:244 Resp: 7343

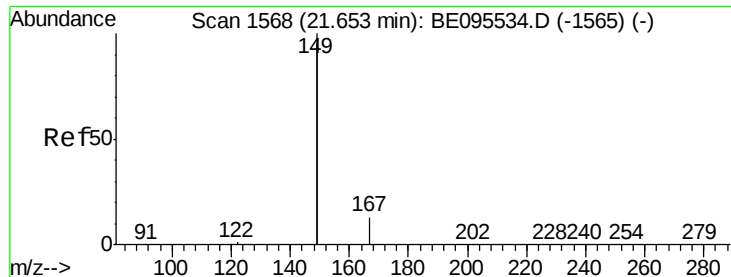
Ion Ratio Lower Upper

244 100

212 6.0 25.4 38.0#

122 2.4 8.1 12.1#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.652 min Scan# 15

Delta R.T. -0.000 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-180220

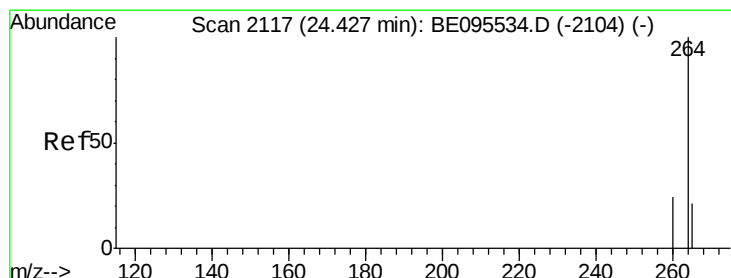
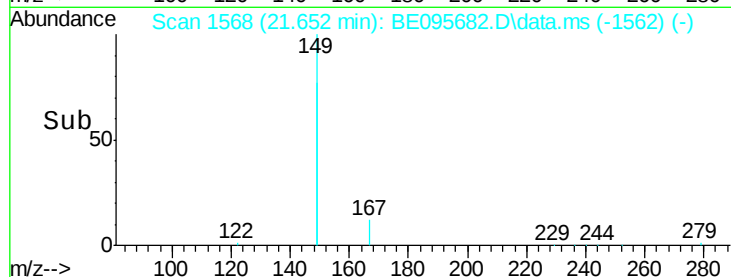
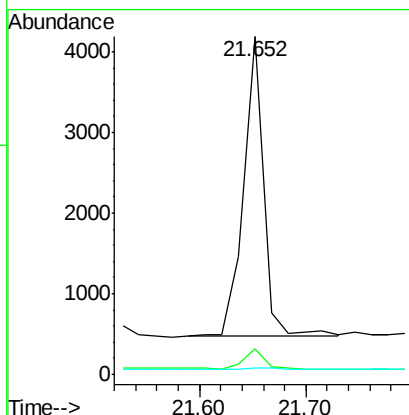
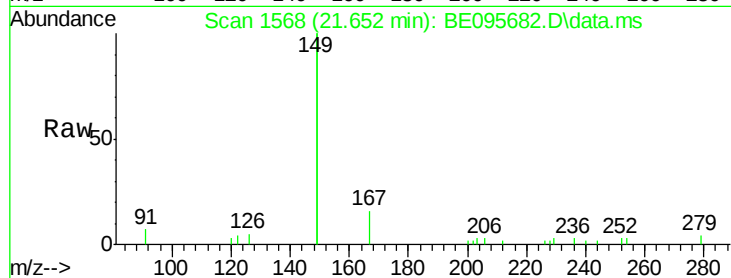
Tot Ion:149 Resp: 4811

Ion Ratio Lower Upper

149 100

167 7.7 5.4 8.0

279 1.0 0.7 1.1



#34

Perylene-d12

Concen: 0.40 ng

RT: 24.422 min Scan# 2116

Delta R.T. 0.001 min

Lab File: BE095682.D

Acq: 23 Feb 2018 14:31

Tgt Ion:264 Resp: 6821

Ion Ratio Lower Upper

264 100

260 26.7 20.5 30.7

265 26.0 22.8 34.2

