

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE020720\
 Data File : BE101139.D
 Acq On : 7 Feb 2020 15:48
 Operator : CG/JU
 Sample : L1397-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-200204

Quant Time: Feb 07 16:32:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1759	0.40	ng	-0.03
7) Naphthalene-d8	10.48	136	7343	0.40	ng	-0.01
13) Acenaphthene-d10	14.34	164	5393	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	13081	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	12402	0.40	ng	-0.01
34) Perylene-d12	23.68	264	14578	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.32	112	699	0.18	ng	-0.02
5) Phenol-d6	6.91	99	437	0.09	ng	-0.01
8) Nitrobenzene-d5	8.89	82	2517	0.48	ng	0.01
11) 2-Methylnaphthalene-d10	12.09	152	5137	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	309	0.20	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	11557	0.56	ng	-0.03
25) Fluoranthene-d10	19.11	212	69503	0.38	ng	-0.02
29) Terphenyl-d14	19.71	244	18209	0.60	ng	-0.02

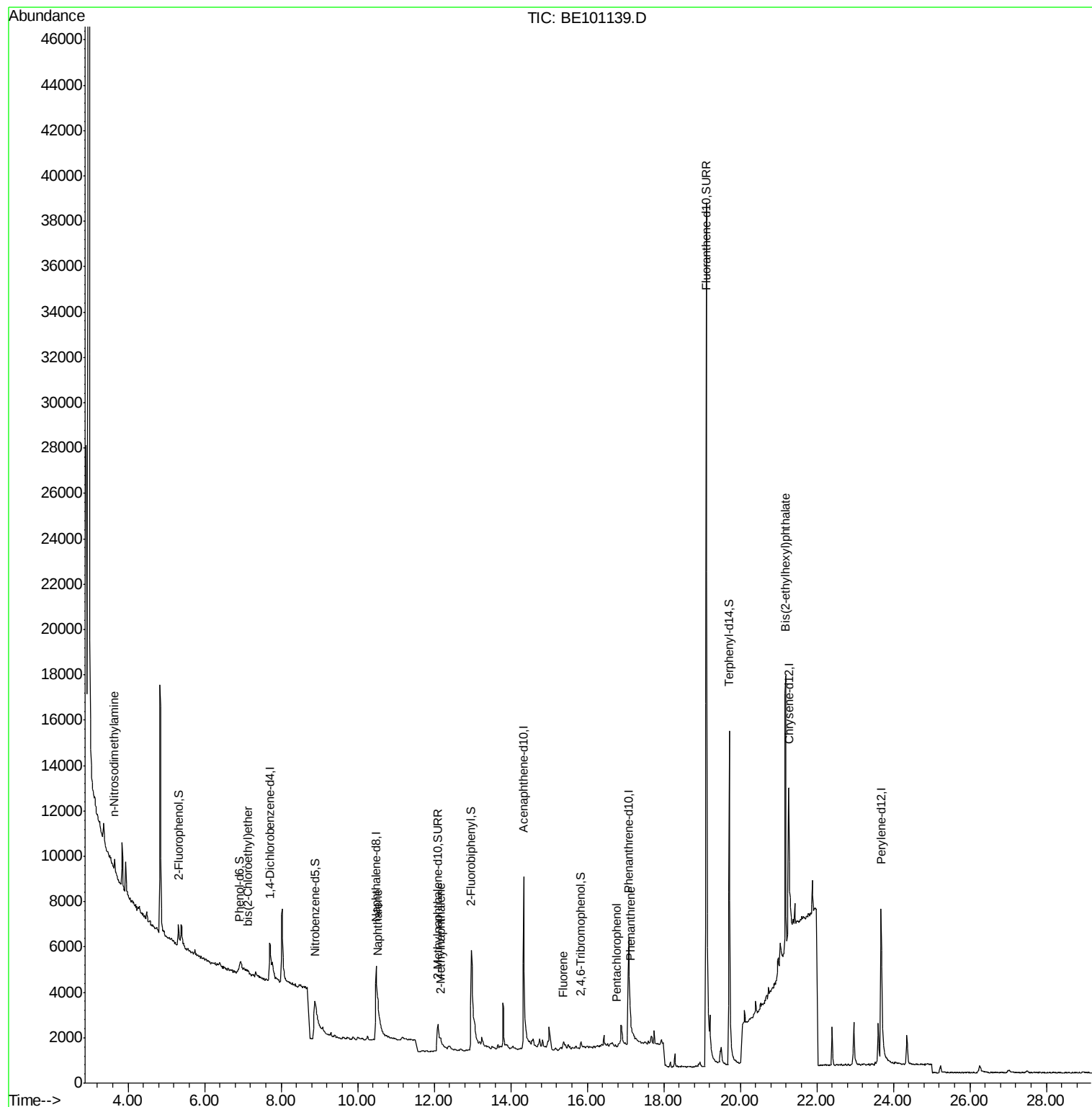
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.64	42	112	0.046	ng	# 1
6) bis(2-Chloroethyl)ether	7.14	93	260	0.044	ng	# 1
9) Naphthalene	10.54	128	2974	0.036	ng	# 86
12) 2-Methylnaphthalene	12.17	142	308	0.025	ng	# 73
18) Fluorene	15.38	166	398	0.020	ng	# 93
22) Pentachlorophenol	16.76	266	9	0.253	ng	# 73
23) Phenanthrene	17.12	178	1174	0.033	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.19	149	19033	0.323	ng	# 99

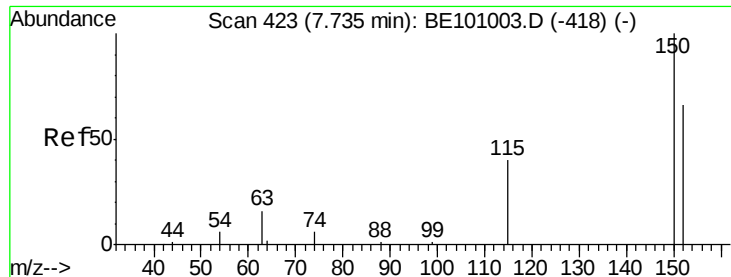
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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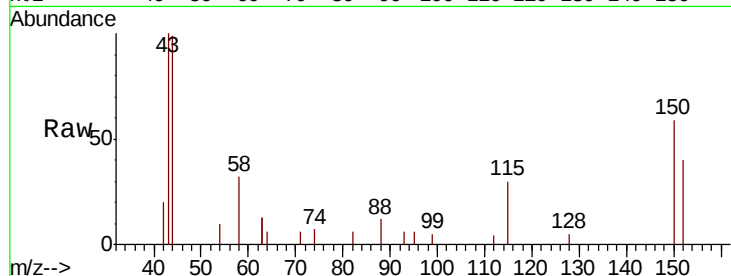


#1

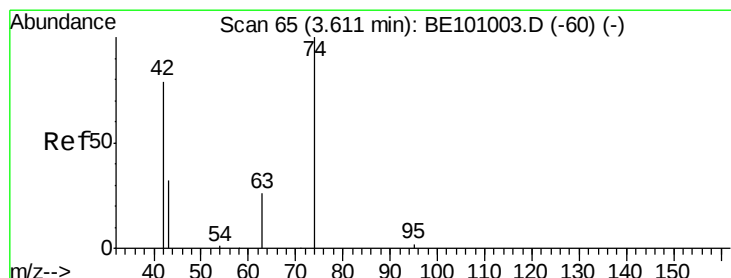
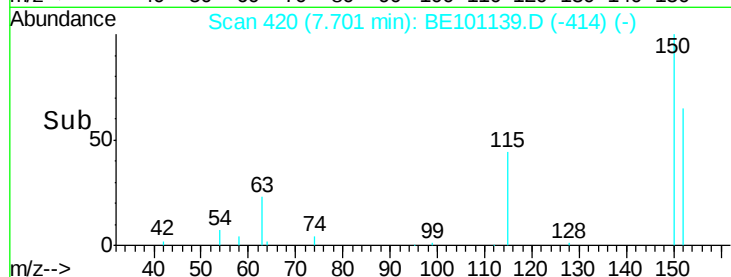
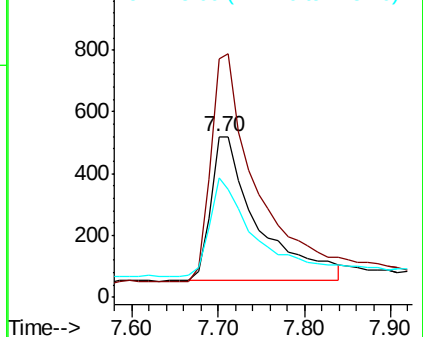
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 420
Delta R.T. -0.03 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-200204

Tot Ion:152 Resp: 1759
Ion Ratio Lower Upper
152 100
150 148.6 120.3 180.5
115 74.2 51.7 77.5



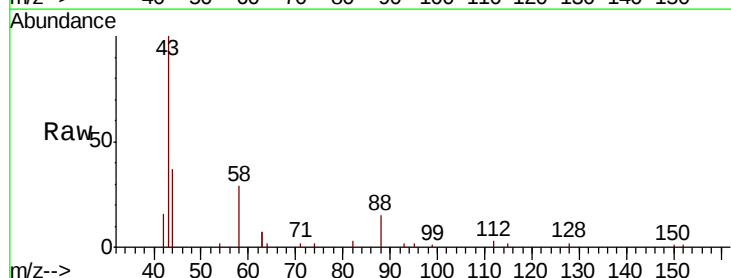
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



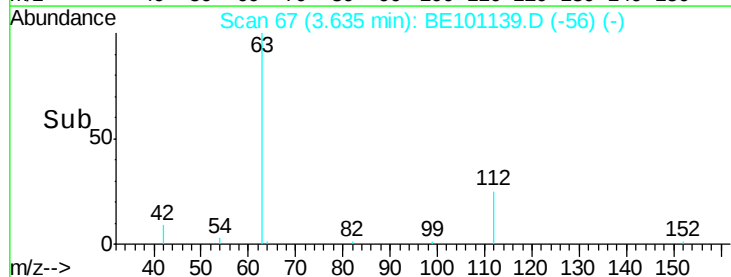
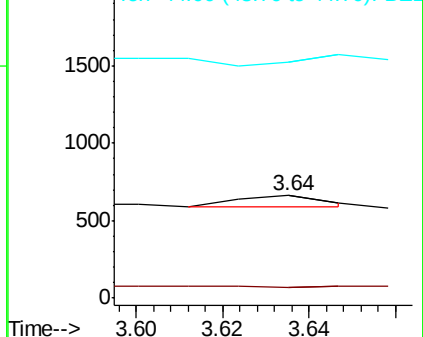
#3

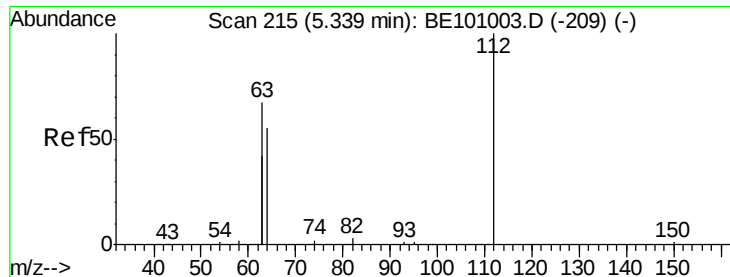
n-Nitrosodimethylamine
Concen: 0.046 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.02 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

Tgt Ion: 42 Resp: 112
Ion Ratio Lower Upper
42 100
74 0.0 105.7 158.5#
44 0.0 10.0 15.0#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.177 ng

RT: 5.32 min Scan# 213

Delta R.T. -0.02 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Instrument :

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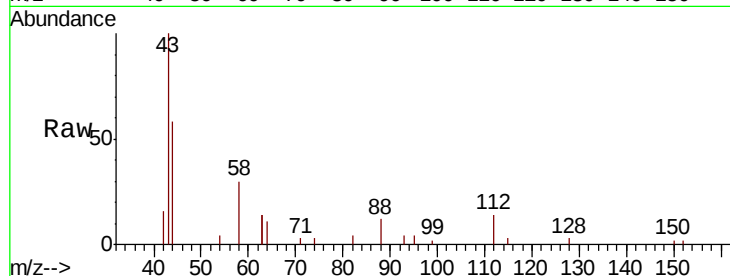
Tot Ion:112 Resp: 699

Ion Ratio Lower Upper

112 100

64 67.8 53.6 80.4

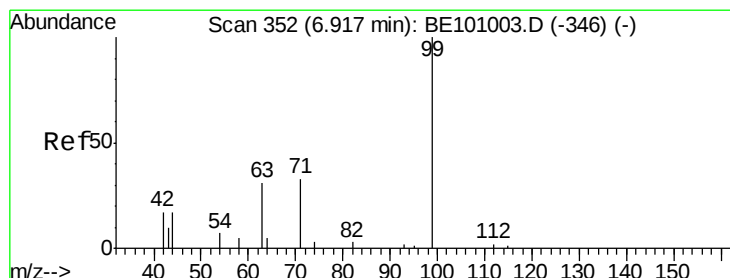
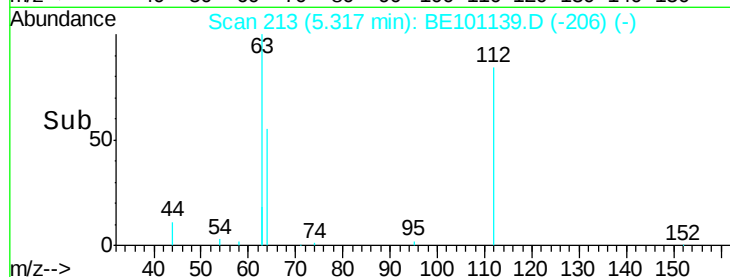
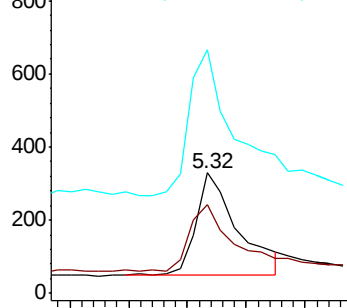
63 154.1 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.087 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

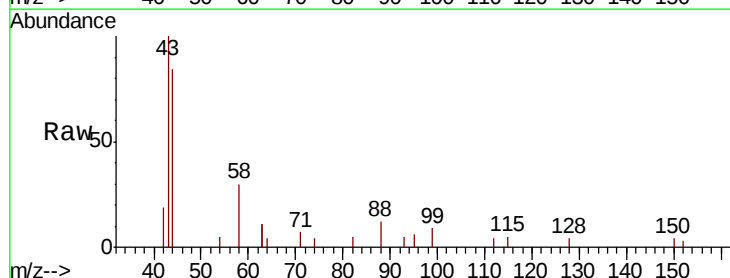
Tgt Ion: 99 Resp: 437

Ion Ratio Lower Upper

99 100

42 0.0 18.3 27.5#

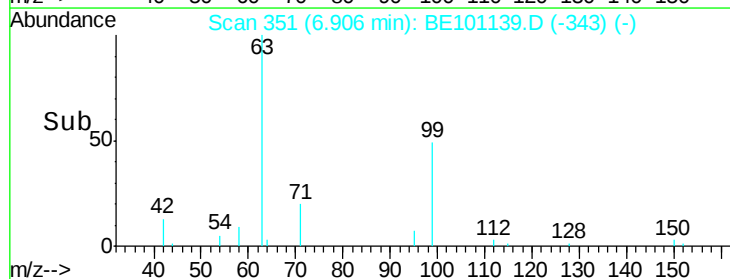
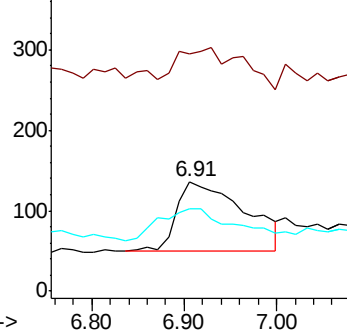
71 51.7 28.0 42.0#

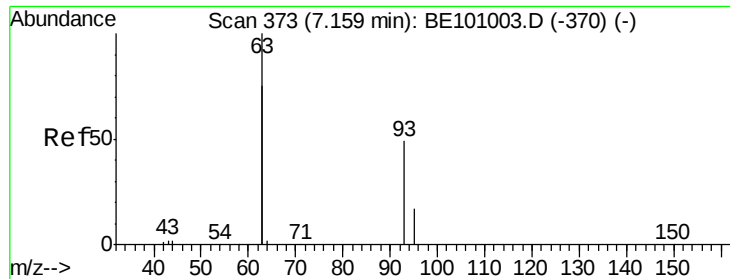


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.044 ng

RT: 7.14 min Scan# 371

Delta R.T. -0.02 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Instrument :

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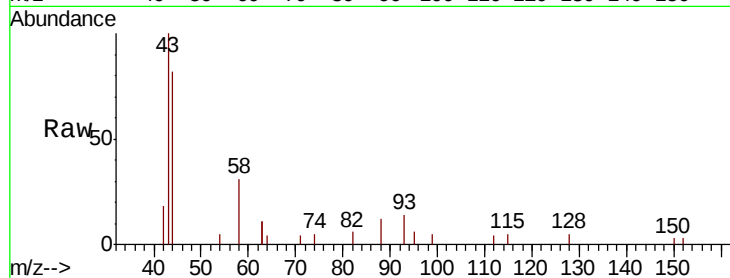
Tot Ion: 93 Resp: 260

Ion Ratio Lower Upper

93 100

63 0.0 233.9 350.9#

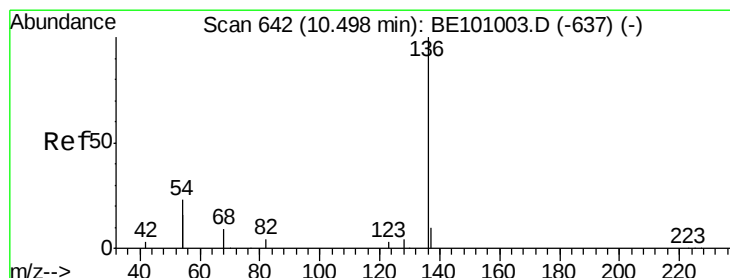
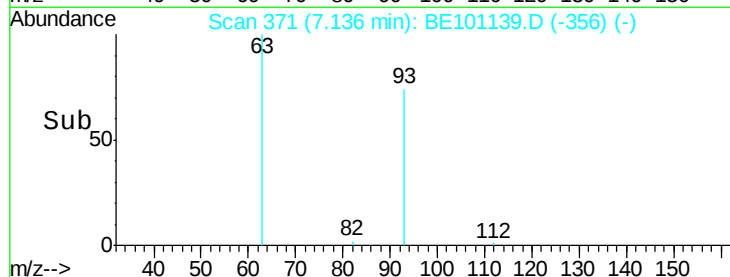
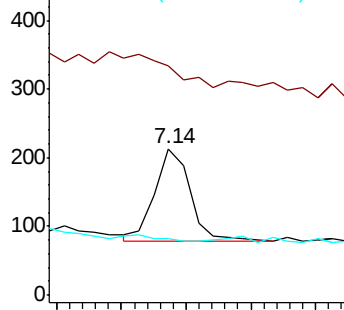
95 0.0 23.5 35.3#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Tgt Ion: 136 Resp: 7343

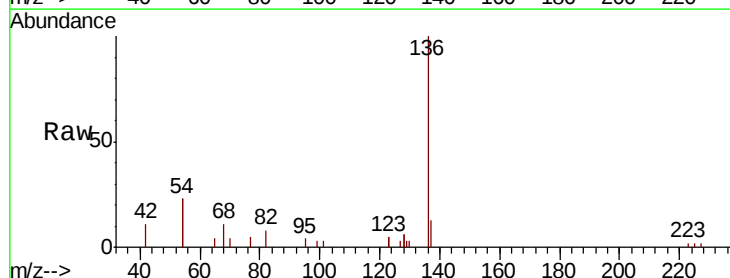
Ion Ratio Lower Upper

136 100

137 13.3 9.3 13.9

54 46.9 36.8 55.2

68 10.7 8.4 12.6

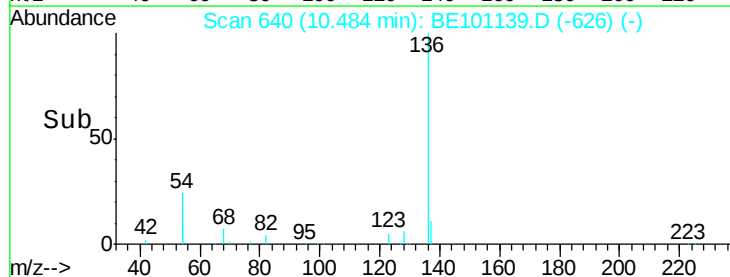
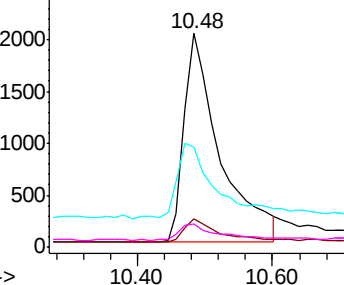


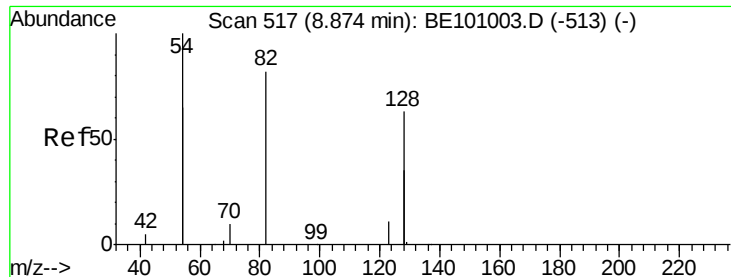
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.479 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Instrument :

BNA_E

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OUTFALL001-200204

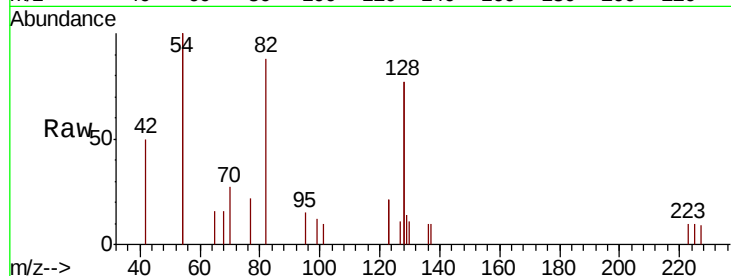
Tot Ion: 82 Resp: 2517

Ion Ratio Lower Upper

82 100

128 175.3 109.8 164.6#

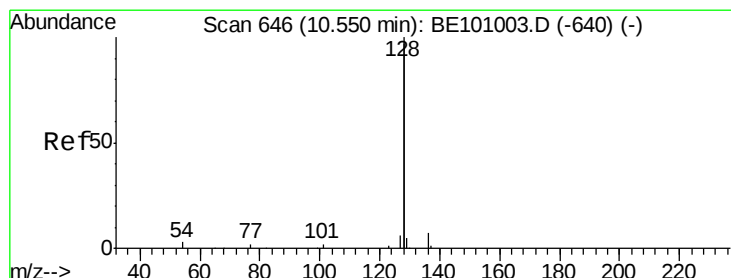
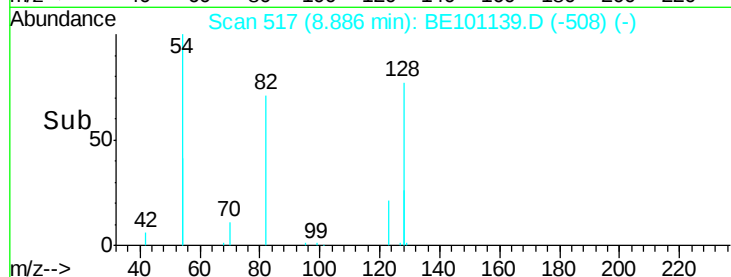
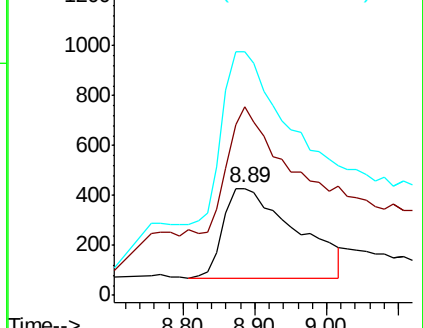
54 227.0 174.5 261.7



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.036 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

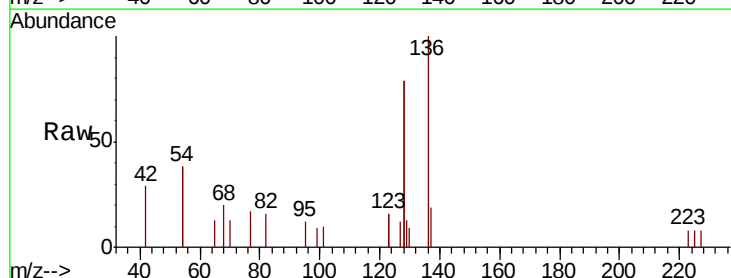
Tgt Ion: 128 Resp: 2974

Ion Ratio Lower Upper

128 100

129 8.4 2.3 3.5#

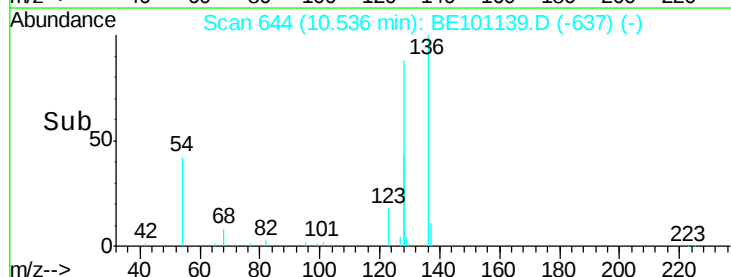
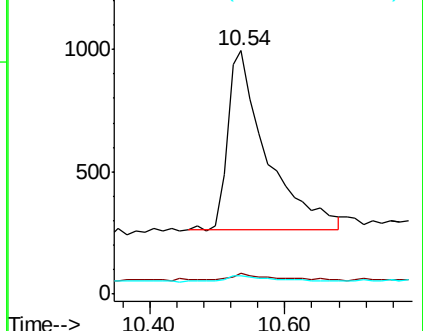
127 7.4 2.7 4.1#

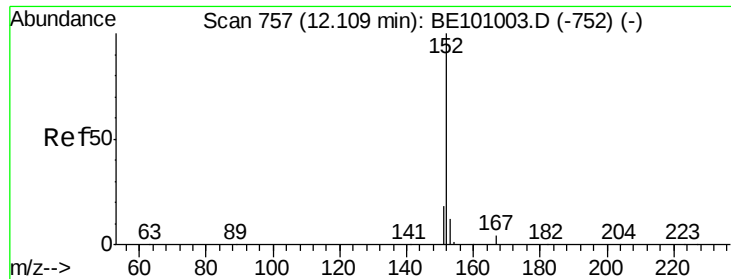


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

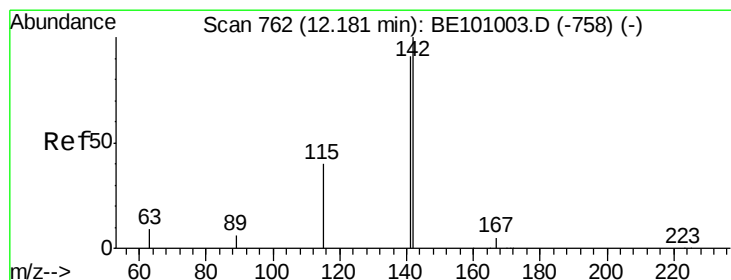
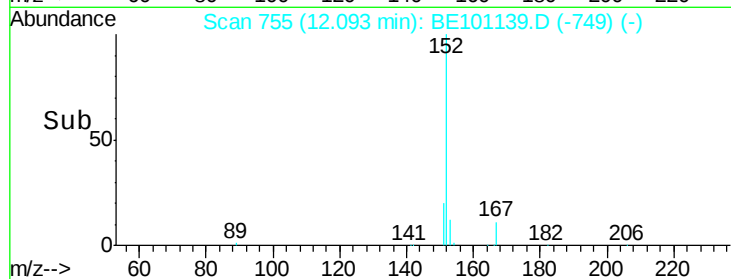
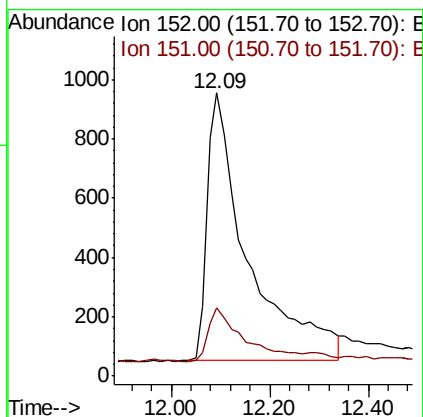
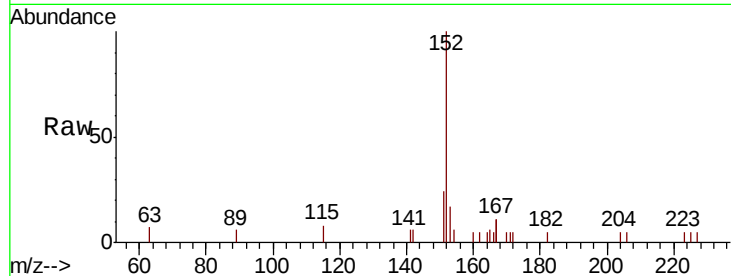




#11
 2-Methylnaphthalene-d10
 Concen: 0.367 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

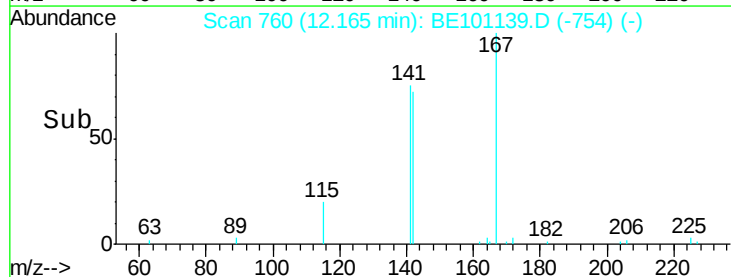
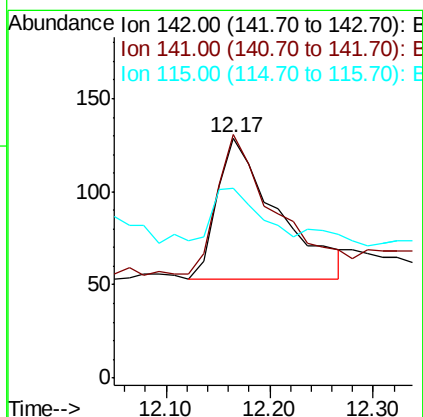
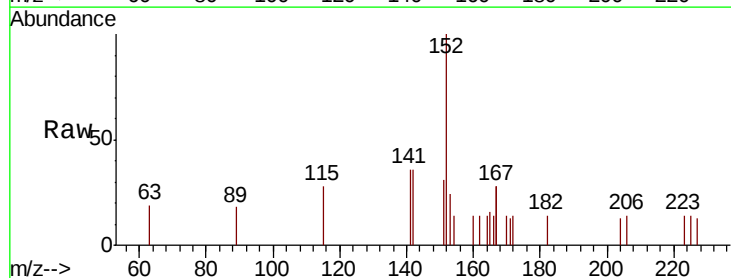
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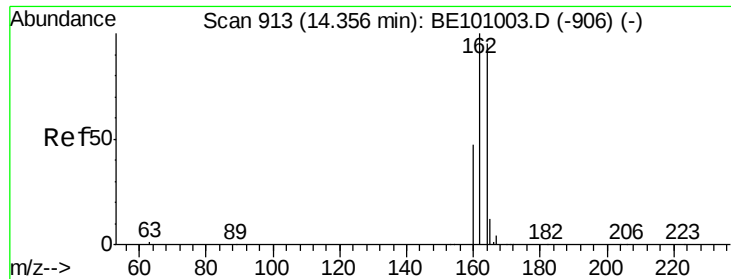
Tot Ion:152 Resp: 5137
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.025 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

Tgt Ion:142 Resp: 308
 Ion Ratio Lower Upper
 142 100
 141 101.6 72.5 108.7
 115 79.1 33.0 49.6#

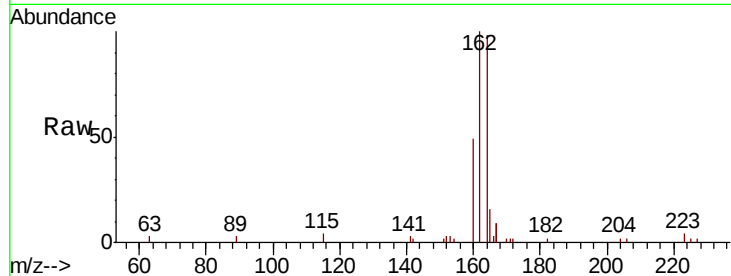




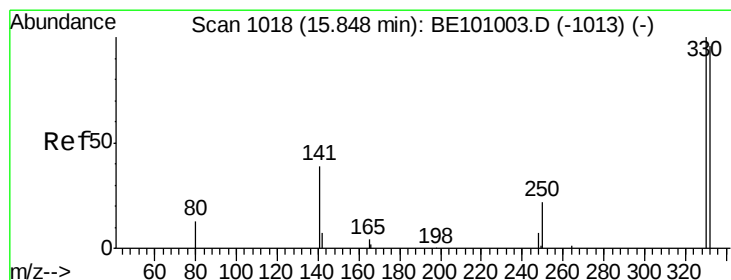
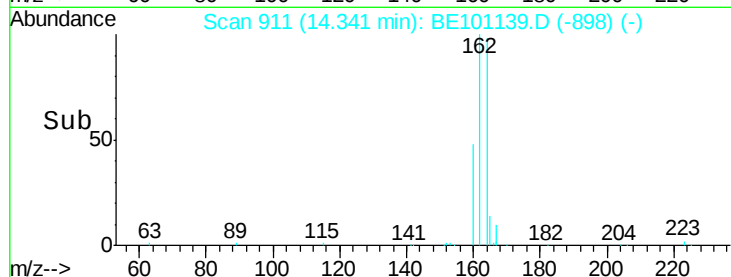
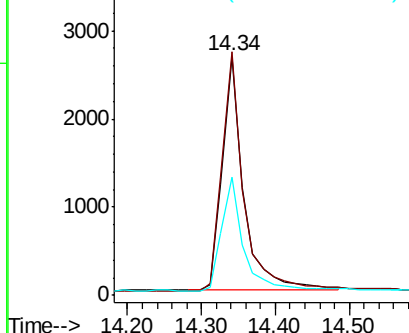
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.34 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-200204

Tot Ion:164 Resp: 5393
 Ion Ratio Lower Upper
 164 100
 162 101.8 84.1 126.1
 160 49.6 40.4 60.6

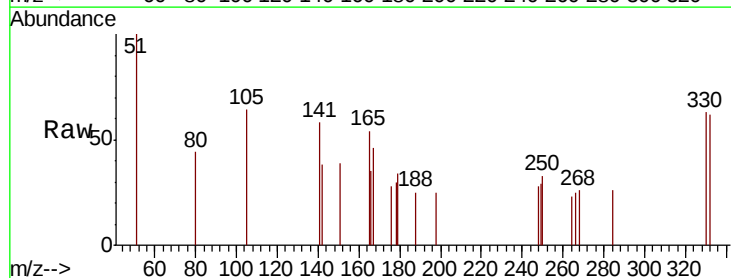


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

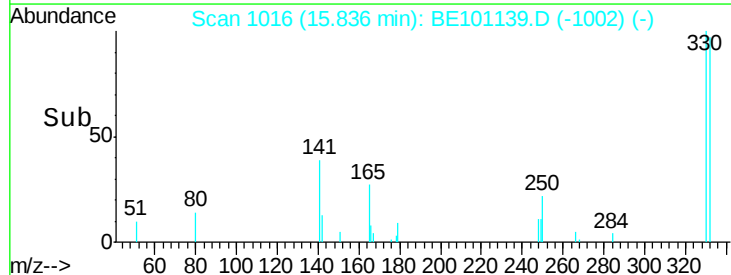
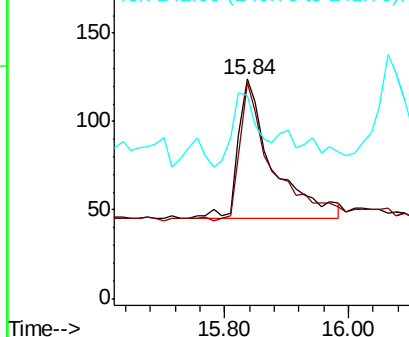


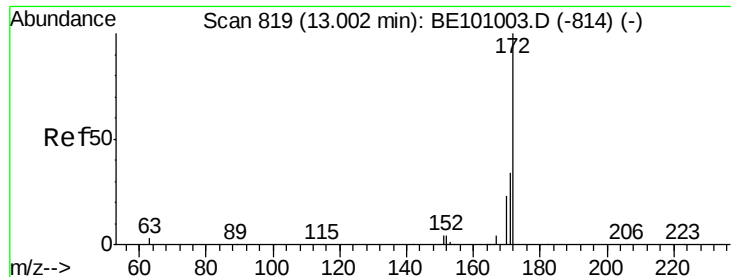
#14
 2,4,6-Tribromophenol
 Concen: 0.203 ng
 RT: 15.84 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

Tgt Ion:330 Resp: 309
 Ion Ratio Lower Upper
 330 100
 332 93.5 78.4 117.6
 141 41.1 37.0 55.4



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

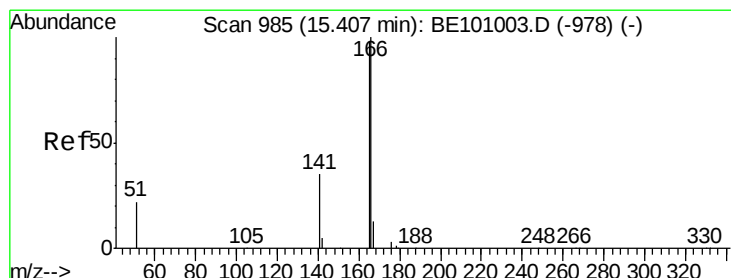
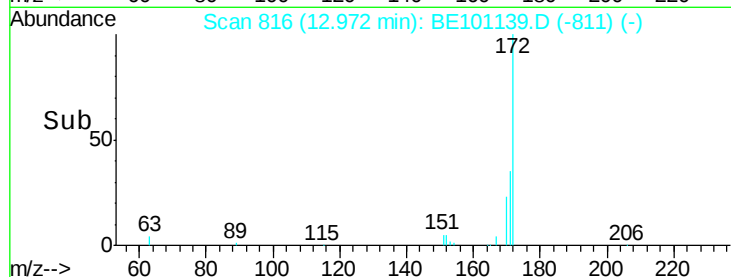
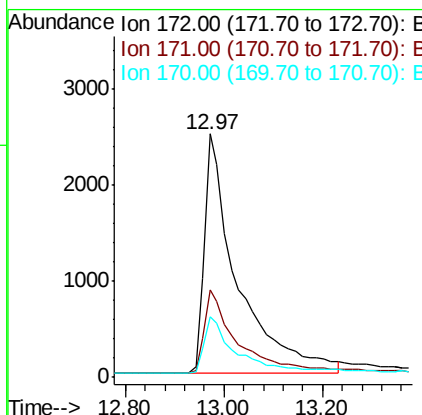
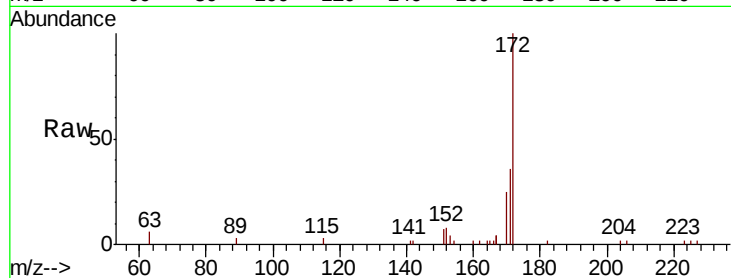




#15
2-Fluorobiphenyl
Concen: 0.564 ng
RT: 12.97 min Scan# 816
Delta R.T. -0.03 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

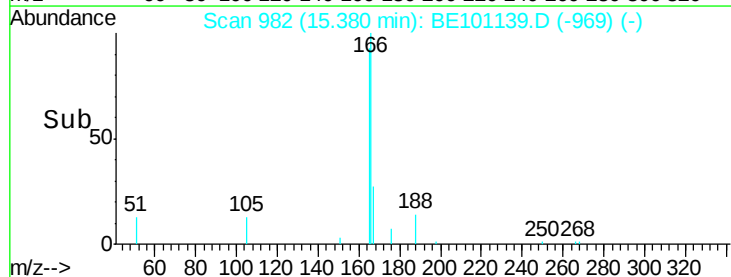
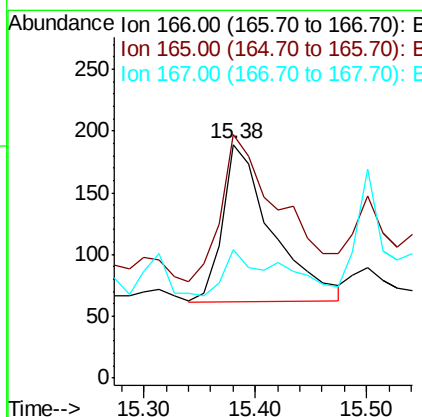
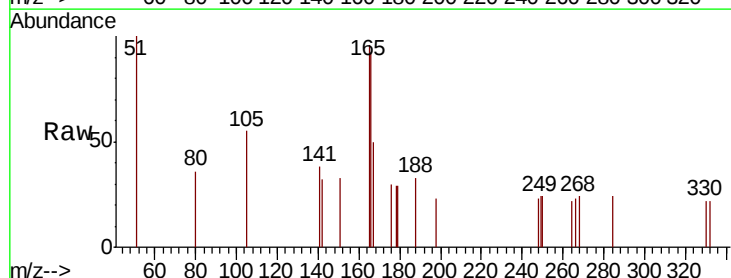
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-200204

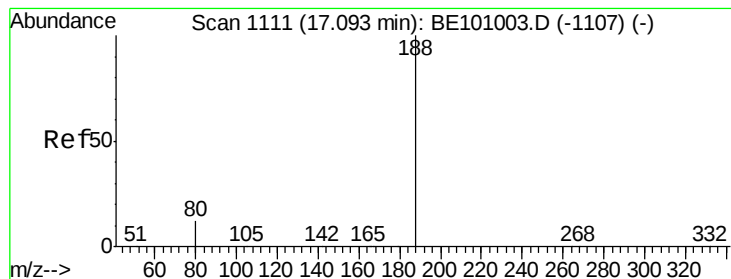
Tot Ion:172 Resp: 11557
Ion Ratio Lower Upper
172 100
171 36.2 28.2 42.2
170 24.8 18.9 28.3



#18
Fluorene
Concen: 0.020 ng
RT: 15.38 min Scan# 982
Delta R.T. -0.03 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

Tgt Ion:166 Resp: 398
Ion Ratio Lower Upper
166 100
165 106.5 79.8 119.8
167 17.8 11.0 16.6#

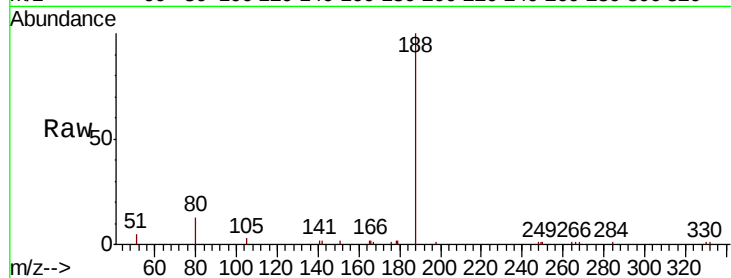




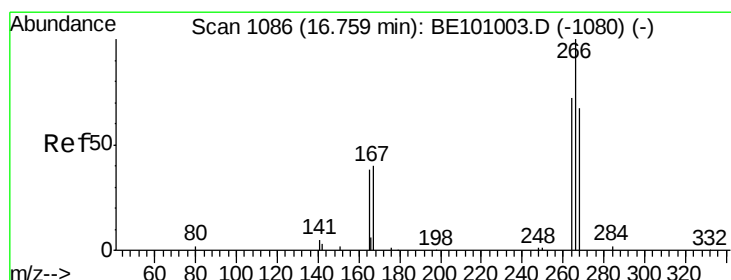
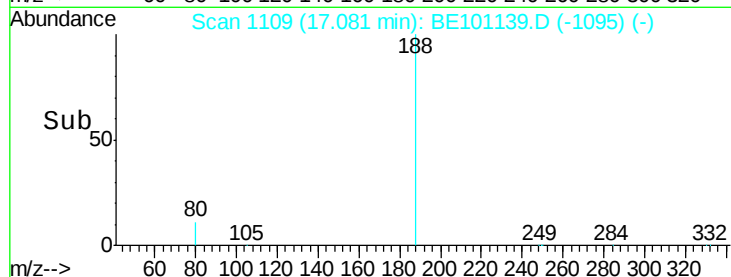
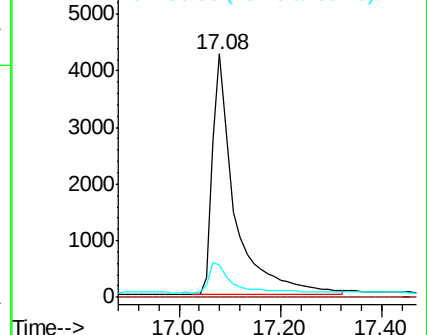
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-200204

Tot Ion:188 Resp: 13081
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.3 10.8 16.2

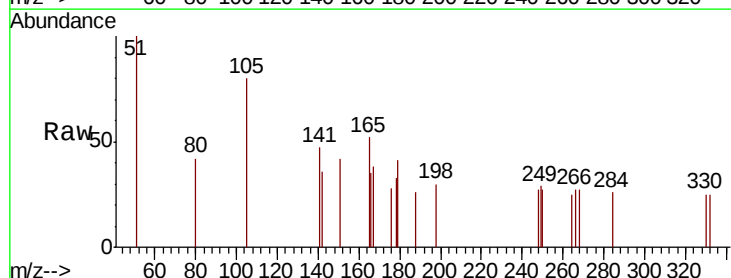


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

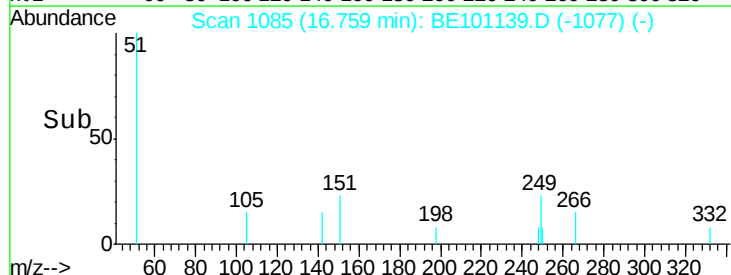
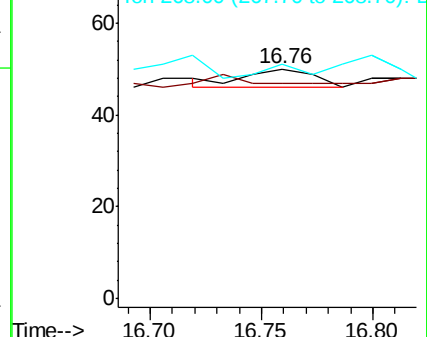


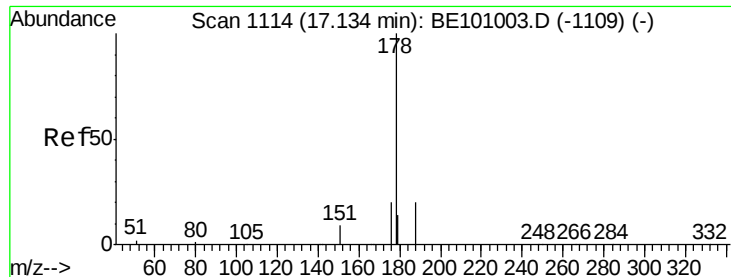
#22
Pentachlorophenol
Concen: 0.253 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101139.D
Acq: 7 Feb 2020 15:48

Tgt Ion:266 Resp: 9
Ion Ratio Lower Upper
266 100
264 94.0 61.0 91.4#
268 102.0 58.5 87.7#



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





#23

Phenanthrene

Concen: 0.033 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-200204

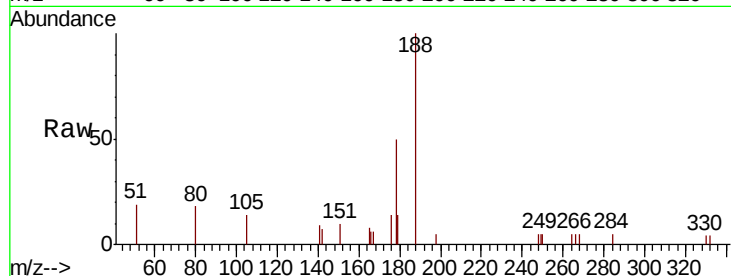
Tot Ion:178 Resp: 1174

Ion Ratio Lower Upper

178 100

176 20.8 15.7 23.5

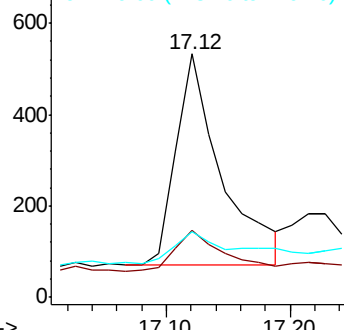
179 23.5 12.0 18.0#



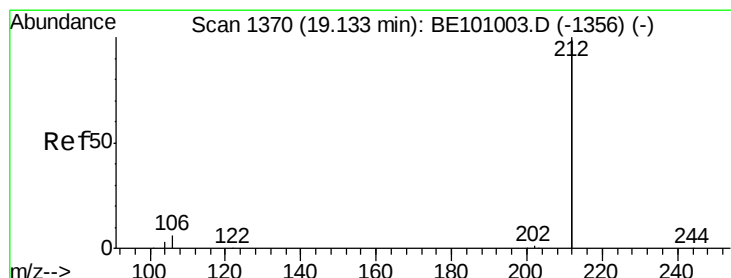
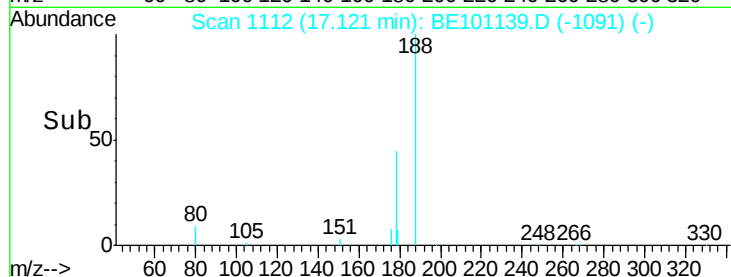
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.383 ng

RT: 19.11 min Scan# 1365

Delta R.T. -0.02 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

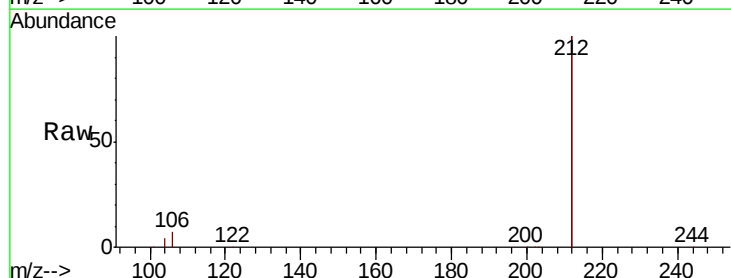
Tgt Ion:212 Resp: 69503

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

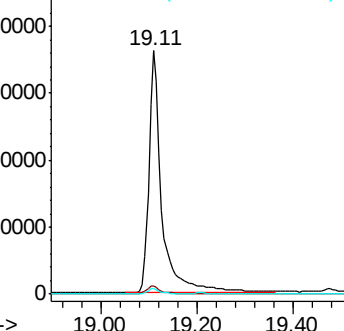
104 1.8 1.4 2.0



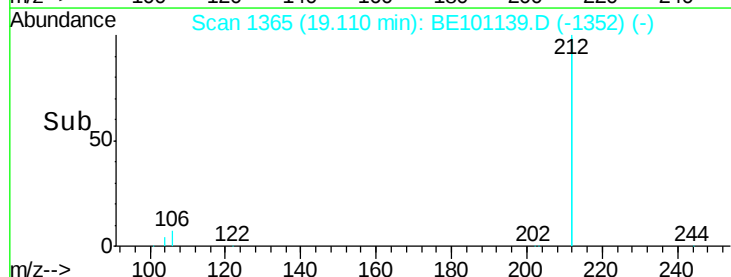
Abundance Ion 212.00 (211.70 to 212.70): E

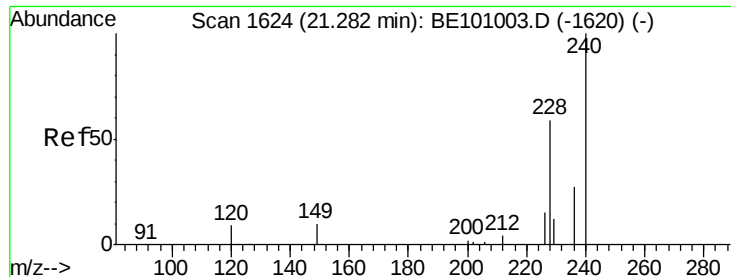
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-200204

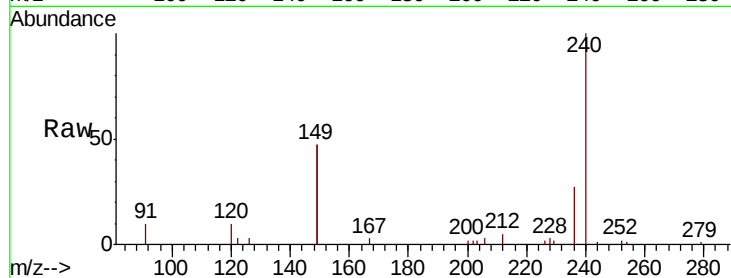
Tot Ion:240 Resp: 12402

Ion Ratio Lower Upper

240 100

120 10.3 8.6 13.0

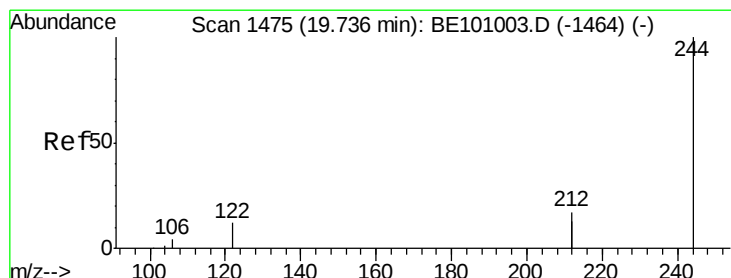
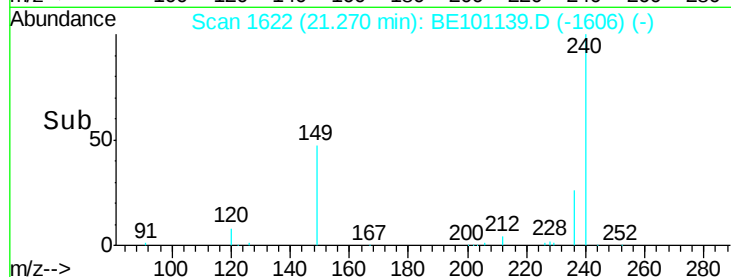
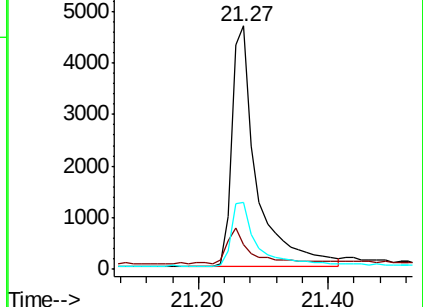
236 27.3 22.2 33.4



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: 0.598 ng

RT: 19.71 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BE101139.D

Acq: 7 Feb 2020 15:48

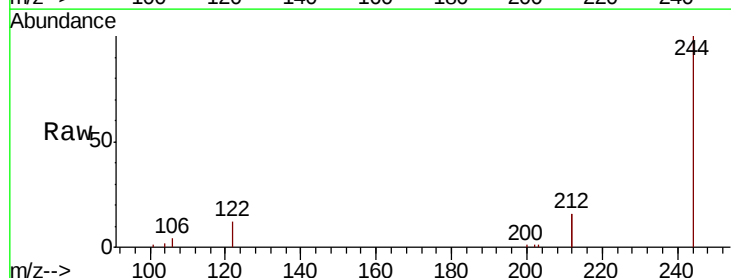
Tgt Ion:244 Resp: 18209

Ion Ratio Lower Upper

244 100

212 31.1 27.2 40.8

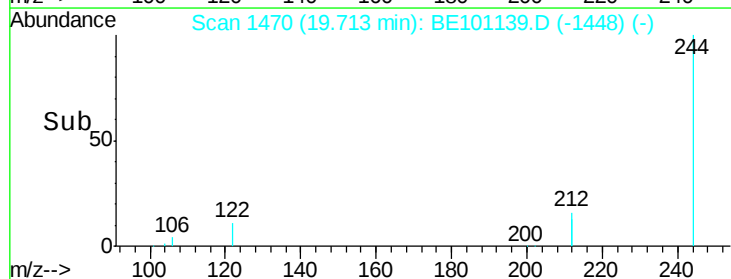
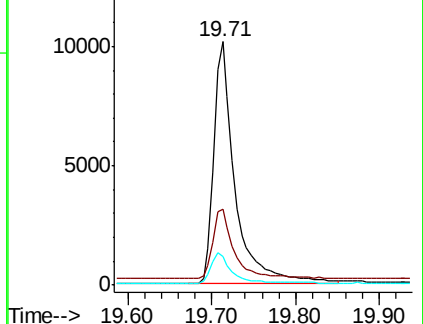
122 11.8 9.8 14.8

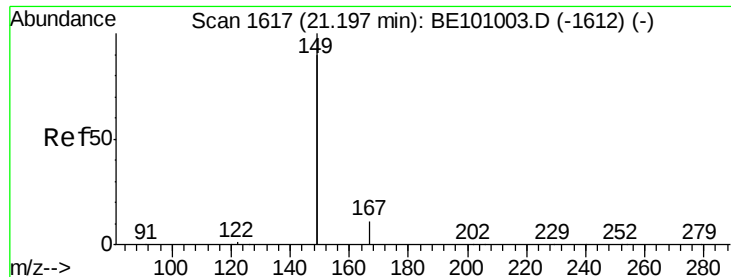


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

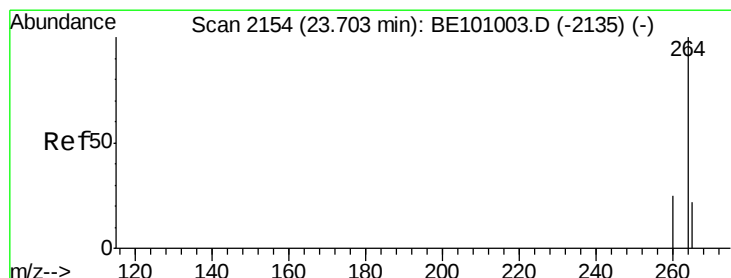
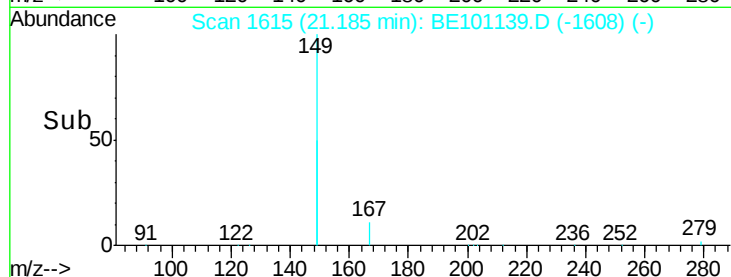
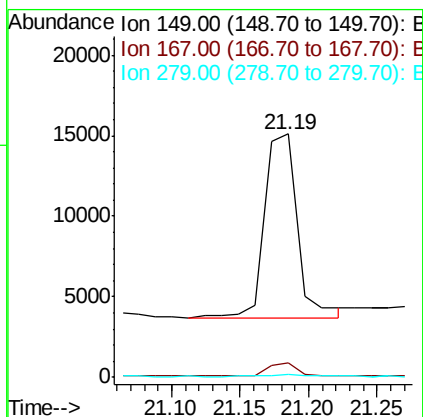
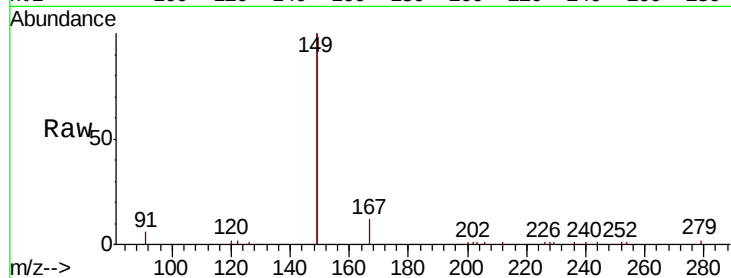




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.323 ng
 RT: 21.19 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-200204

Tot Ion:149 Resp: 19033
 Ion Ratio Lower Upper
 149 100
 167 6.1 5.2 7.8
 279 0.8 0.8 1.2#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2147
 Delta R.T. -0.02 min
 Lab File: BE101139.D
 Acq: 7 Feb 2020 15:48

Tgt Ion:264 Resp: 14578
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.3 30.5
 265 26.8 27.0 40.4#

