

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100121.D
 Acq On : 20 Jun 2019 23:41
 Operator : JU/SJ
 Sample : K3345-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-2_061219

Quant Time: Jun 21 01:47:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	562	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	2105	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	4664	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6082	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8913	0.40	ng	0.00
34) Perylene-d12	23.83	264	9966	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	267	0.23	ng	-0.01
5) Phenol-d6	6.91	99	155	0.10	ng	-0.02
8) Nitrobenzene-d5	8.89	82	770	0.38	ng	-0.03
11) 2-Methylnaphthalene-d10	12.12	152	211	0.05	ng	-0.03
14) 2,4,6-Tribromophenol	15.90	330	627	0.24	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	3741	0.20	ng	-0.03
25) Fluoranthene-d10	19.19	212	3288	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	10009	0.56	ng	-0.02

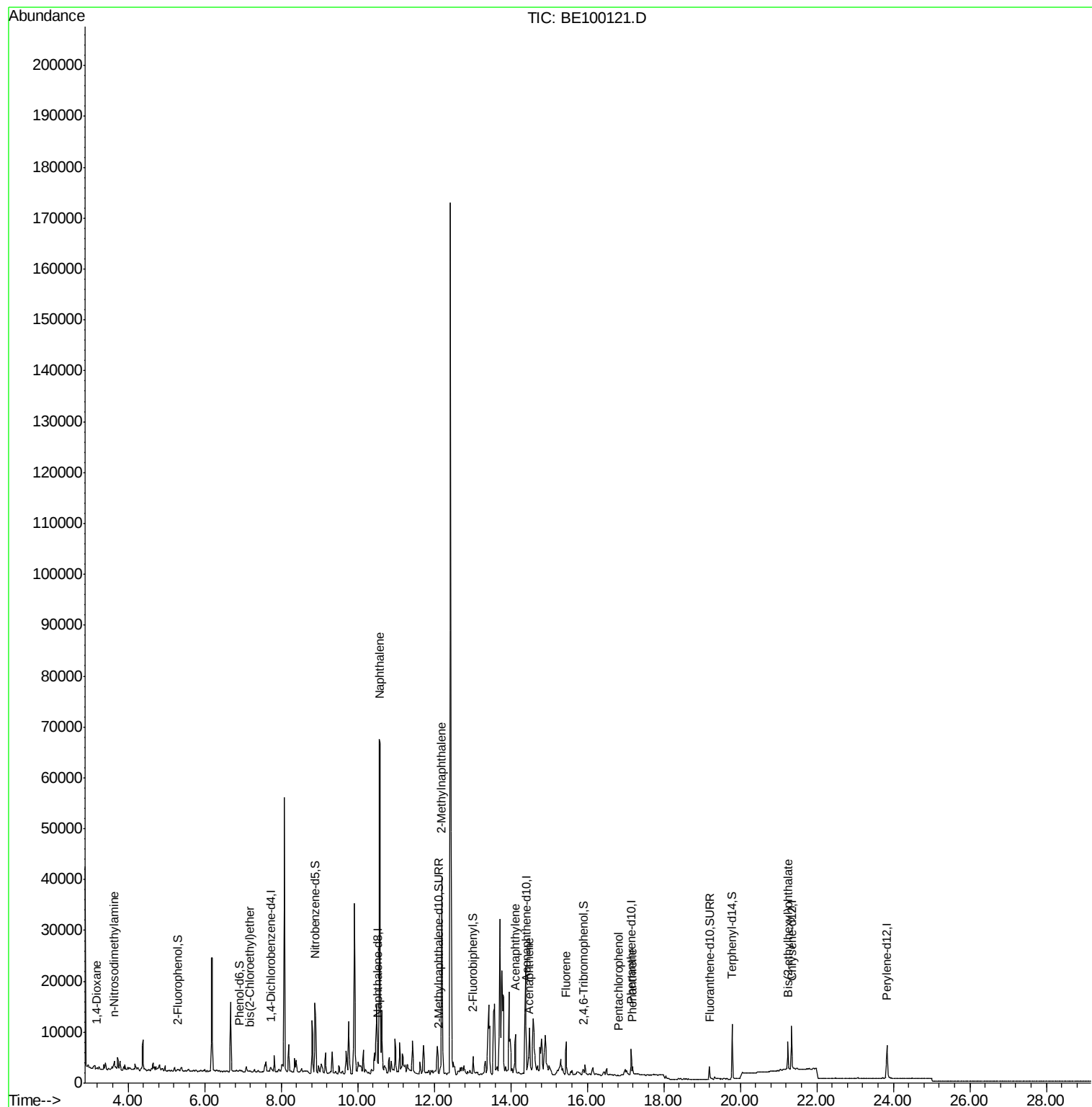
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	48	0.053	ng	# 1
3) n-Nitrosodimethylamine	3.64	42	111	0.529	ng	# 100
6) bis(2-Chloroethyl)ether	7.18	93	34	0.054	ng	# 1
9) Naphthalene	10.58	128	118659	5.187	ng	99
12) 2-Methylnaphthalene	12.20	142	29169	7.754	ng	97
16) Acenaphthylene	14.13	152	1091	0.049	ng	# 1
17) Acenaphthene	14.47	154	1258	0.102	ng	# 48
18) Fluorene	15.45	166	4782	0.259	ng	# 92
22) Pentachlorophenol	16.81	266	15	0.254	ng	85
23) Phenanthrene	17.19	178	1494	0.103	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.25	149	6106	0.244	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
Data File : BE100121.D
Acq On : 20 Jun 2019 23:41
Operator : JU/SJ
Sample : K3345-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PR-MW-2_061219

Quant Time: Jun 21 01:47:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration



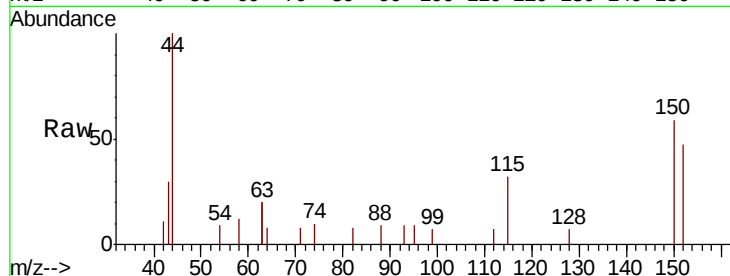


#1

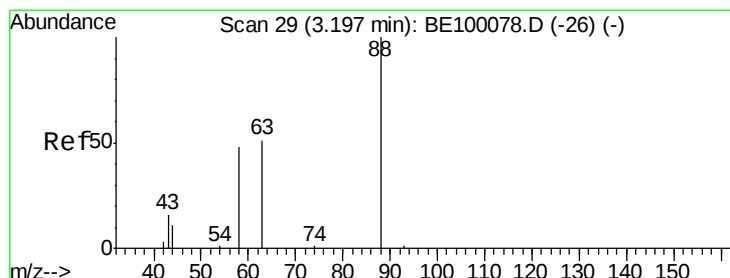
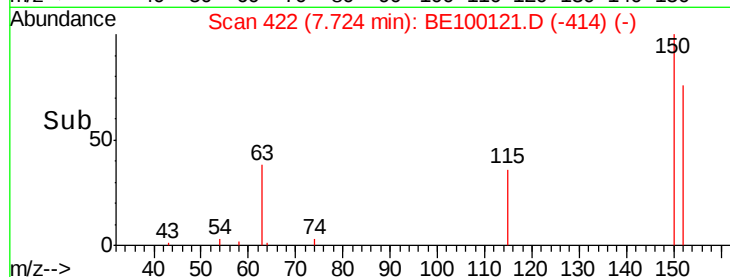
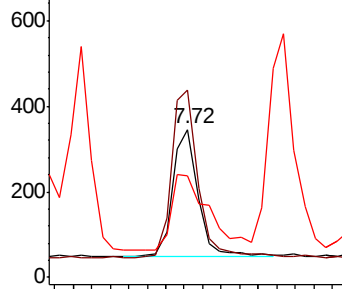
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Instrument :
BNA_E
ClientSampleId :
PR-MW-2_061219

Tgt Ion: 152 Resp: 562
Ion Ratio Lower Upper
152 100
150 126.6 99.8 149.8
115 68.2 51.3 76.9



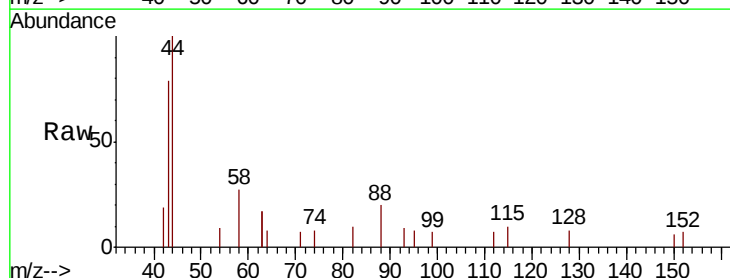
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



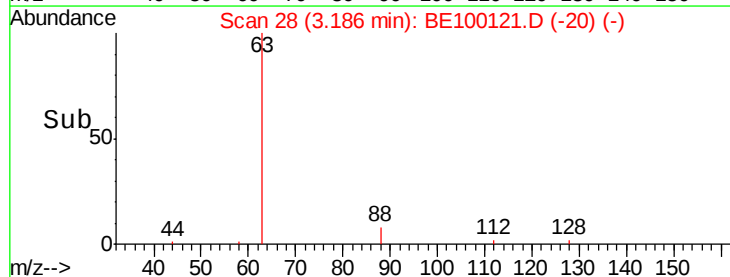
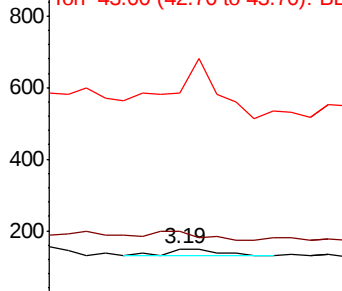
#2

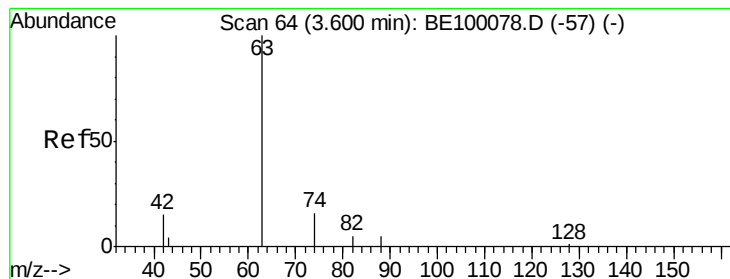
1,4-Dioxane
Concen: 0.053 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
58 95.8 51.1 76.7#
43 725.0 21.7 32.5#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.529 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.04 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

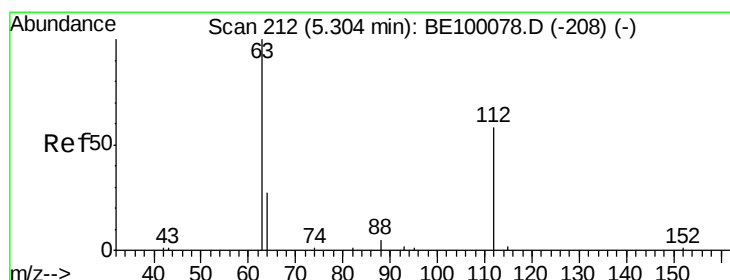
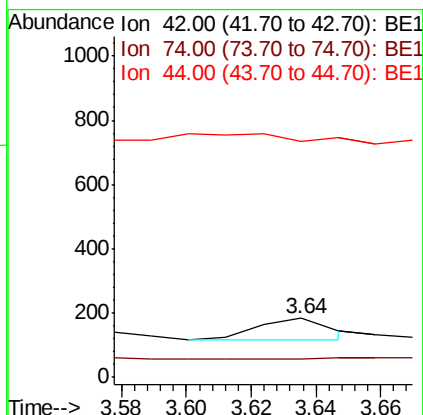
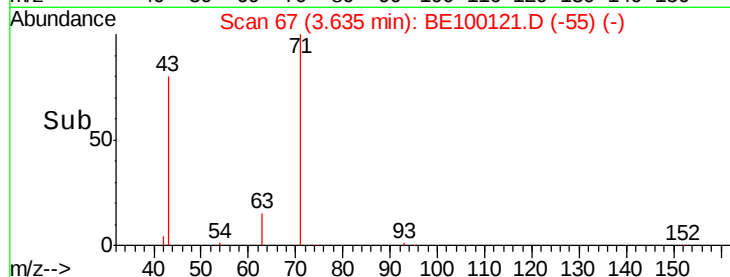
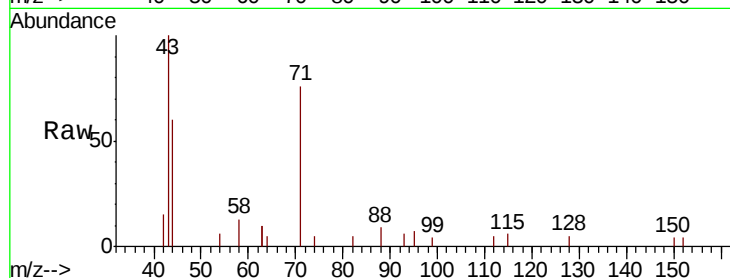
Tgt Ion: 42 Resp: 111

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

44 0.0 0.0 0.0



#4

2-Fluorophenol

Concen: 0.229 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

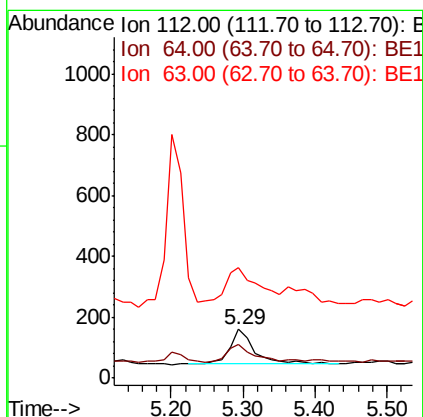
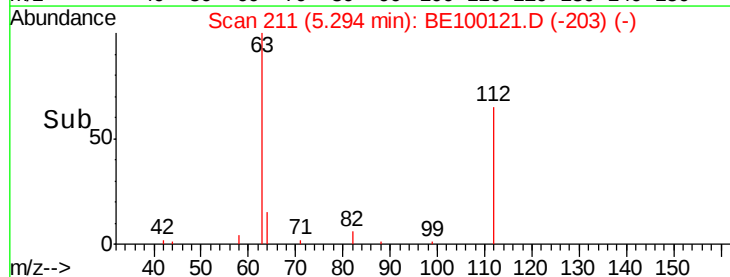
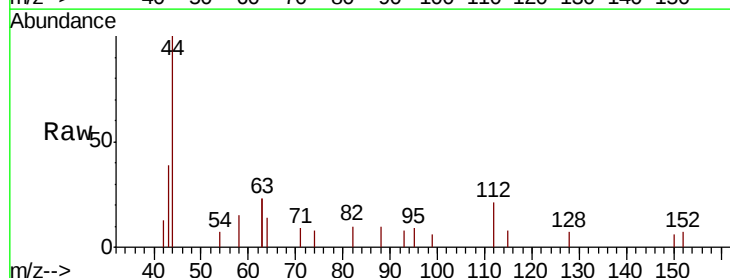
Tgt Ion: 112 Resp: 267

Ion Ratio Lower Upper

112 100

64 56.6 22.0 33.0#

63 126.6 121.8 182.6





#5

Phenol-d6

Concen: 0.097 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

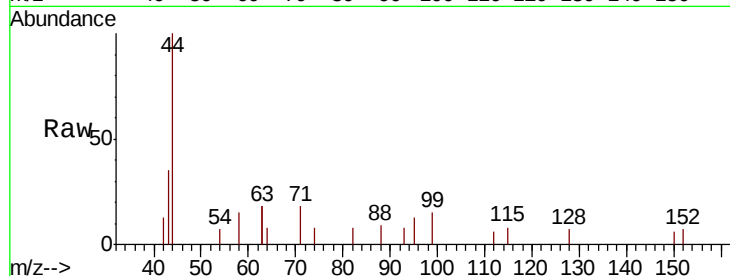
Tgt Ion: 99 Resp: 155

Ion Ratio Lower Upper

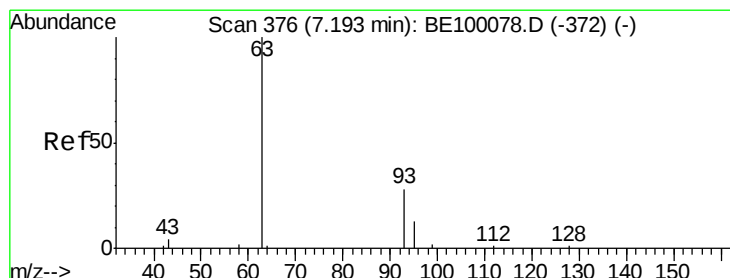
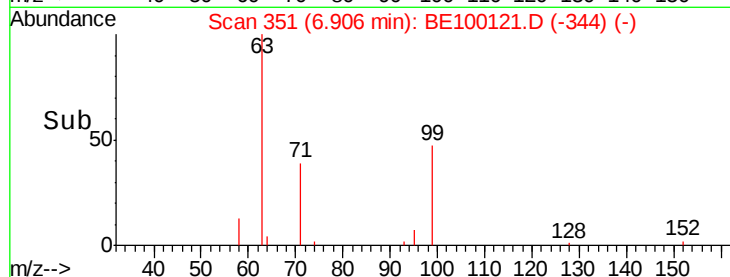
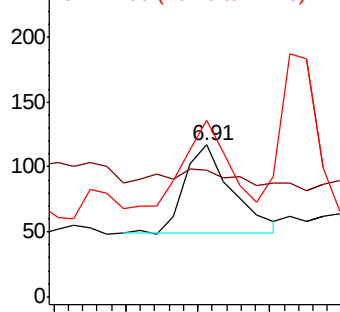
99 100

42 40.0 0.0 0.0#

71 84.5 37.6 56.4#



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: 0.054 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

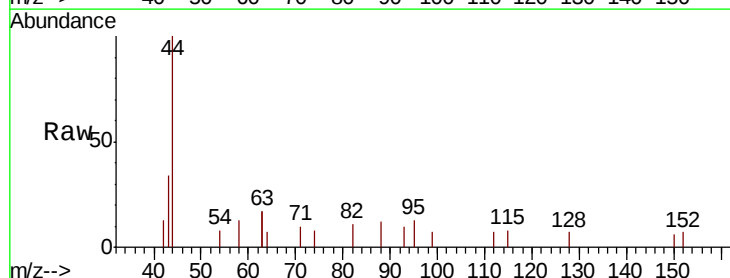
Tgt Ion: 93 Resp: 34

Ion Ratio Lower Upper

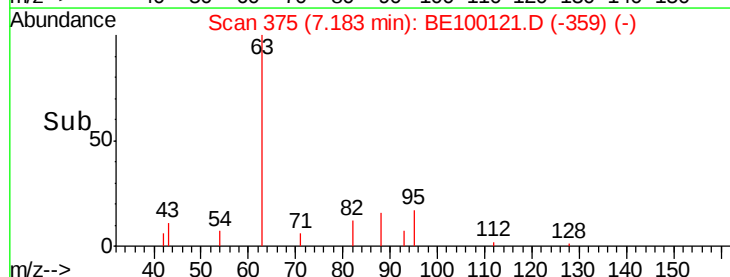
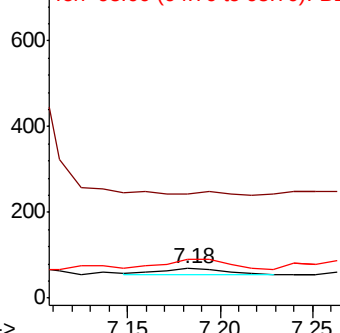
93 100

63 0.0 200.0 300.0#

95 155.9 24.0 36.0#



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: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

Tgt Ion: 136 Resp: 2105

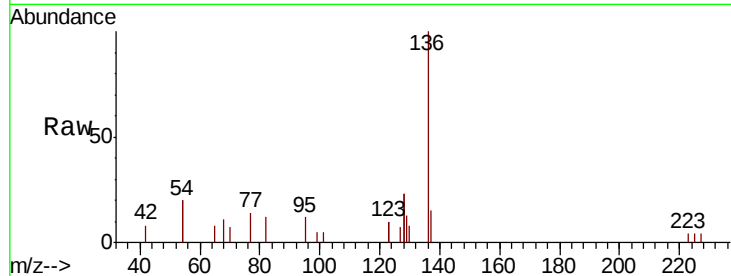
Ion Ratio Lower Upper

136 100

137 14.5 11.6 17.4

54 39.8 33.9 50.9

68 11.3 7.8 11.8

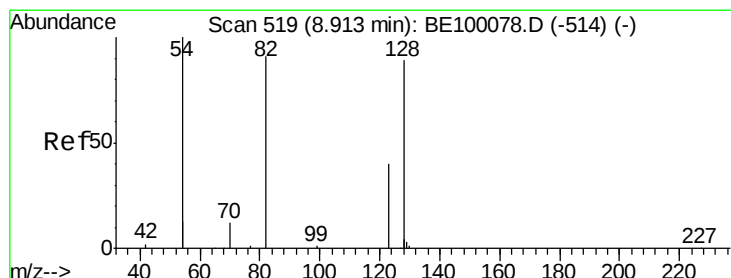
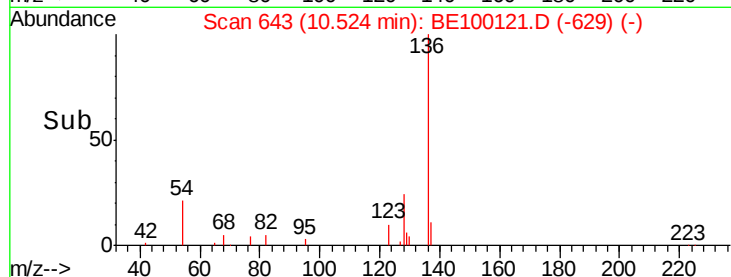
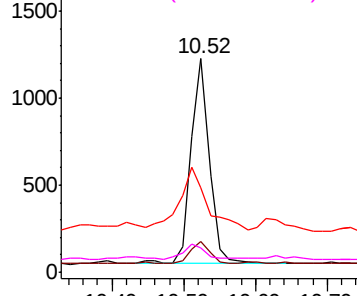


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.377 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.03 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

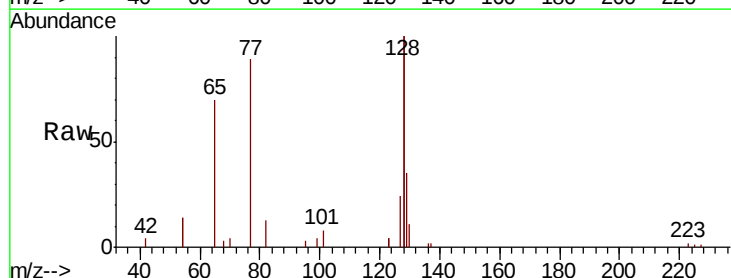
Tgt Ion: 82 Resp: 770

Ion Ratio Lower Upper

82 100

128 1522.7 128.0 192.0#

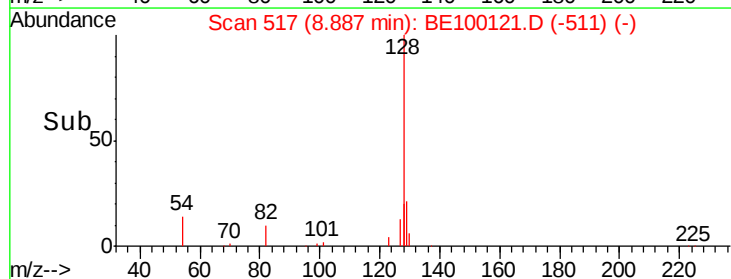
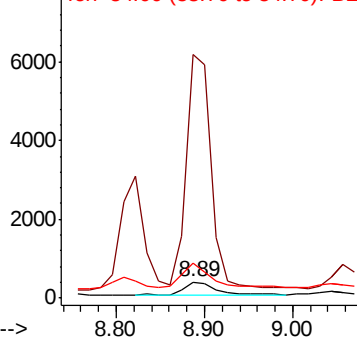
54 220.2 143.4 215.0#

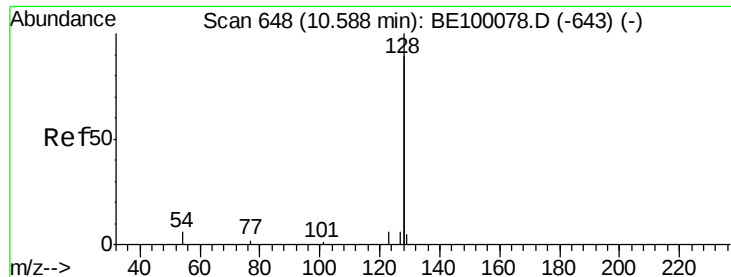


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 5.187 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

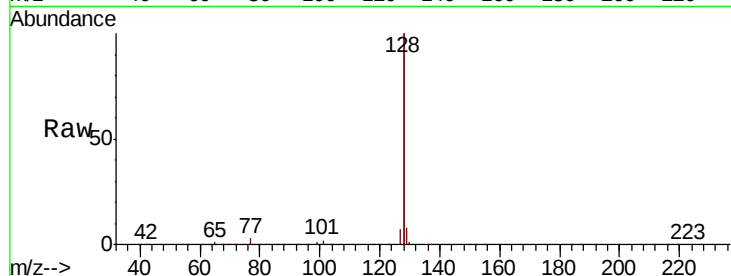
Tgt Ion:128 Resp: 118659

Ion Ratio Lower Upper

128 100

129 4.1 3.1 4.7

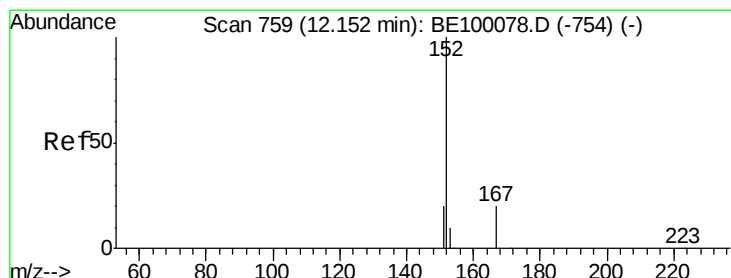
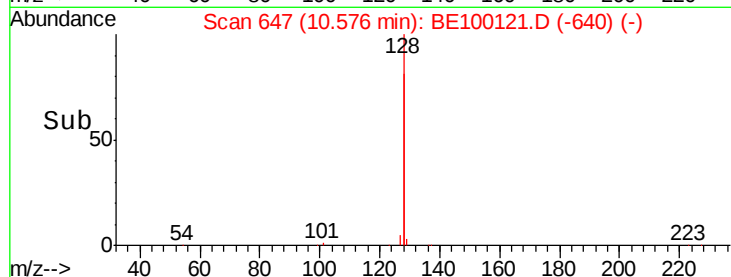
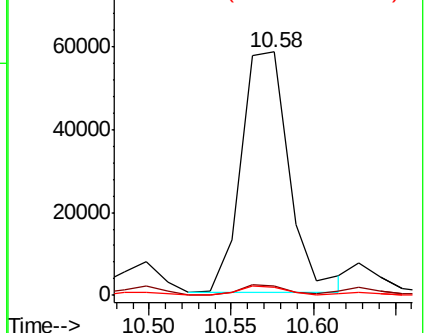
127 3.5 3.4 5.2



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: 0.053 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.03 min

Lab File: BE100121.D

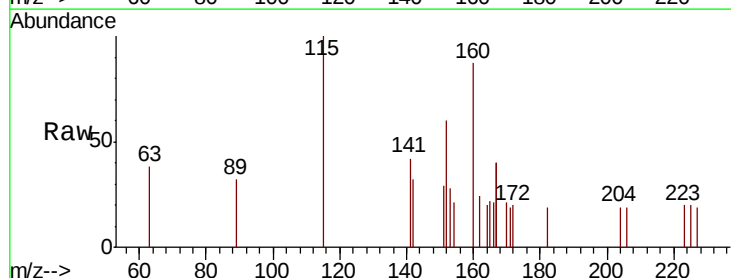
Acq: 20 Jun 2019 23:41

Tgt Ion:152 Resp: 211

Ion Ratio Lower Upper

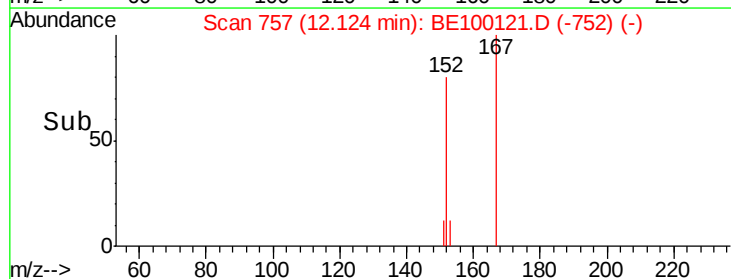
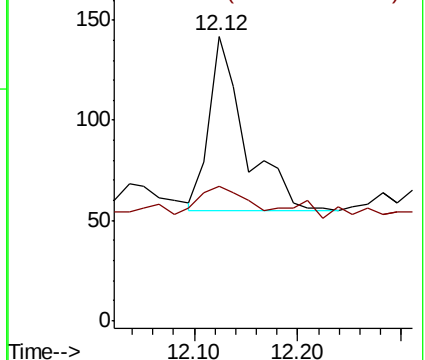
152 100

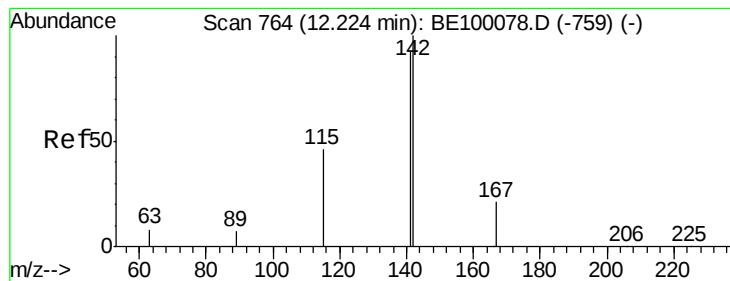
151 20.9 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

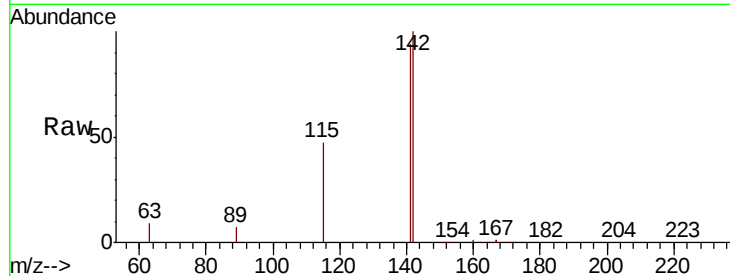




#12
2-Methylnaphthalene
Concen: 7.754 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.03 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Instrument :
BNA_E
ClientSampleId :
PR-MW-2_061219

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	74.1	111.1
115	46.8	40.9	61.3

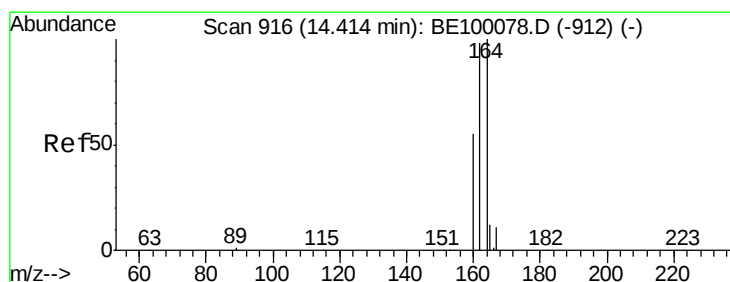
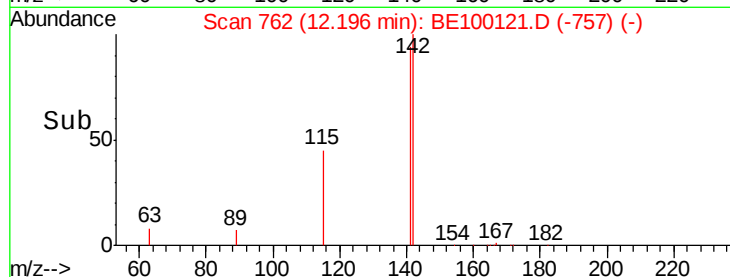
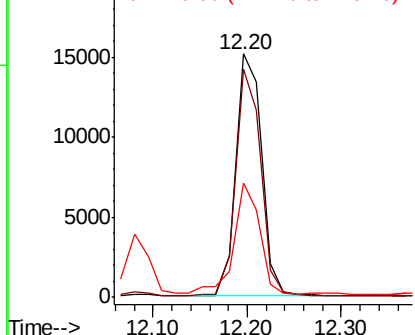


Abundance

Ion 142.00 (141.70 to 142.70): E

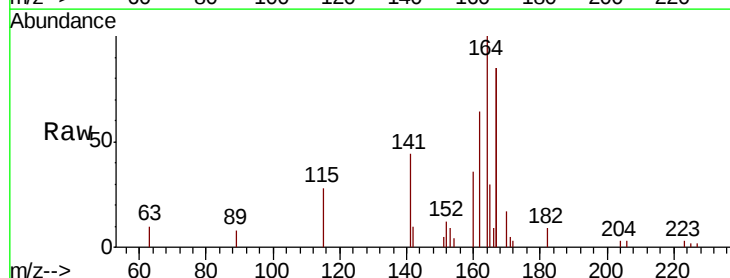
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	64.0	78.2	117.2#
160	36.0	45.6	68.4#

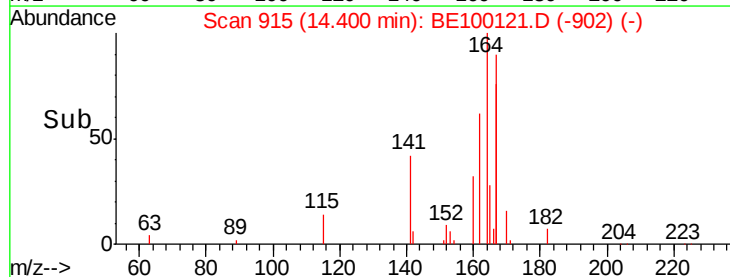
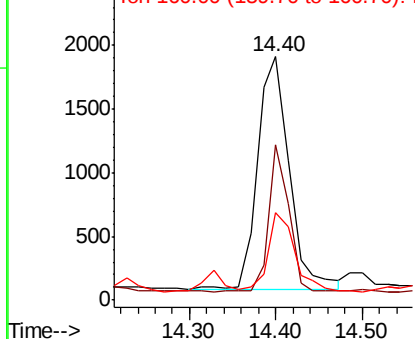


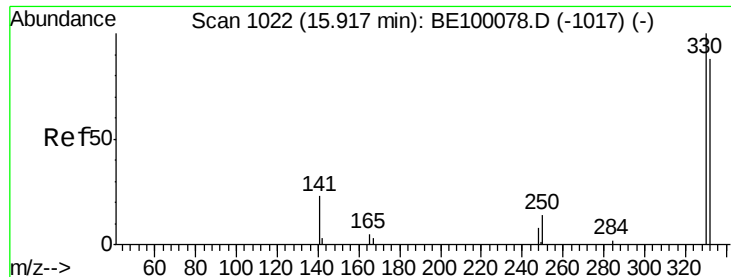
Abundance

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

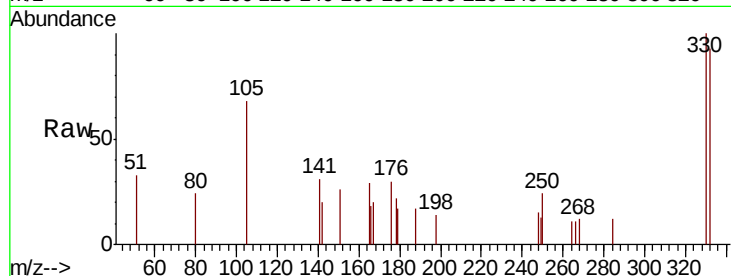




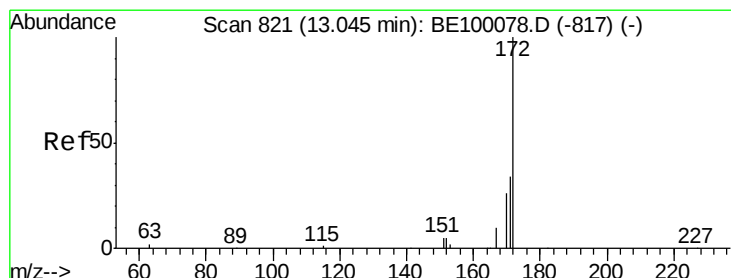
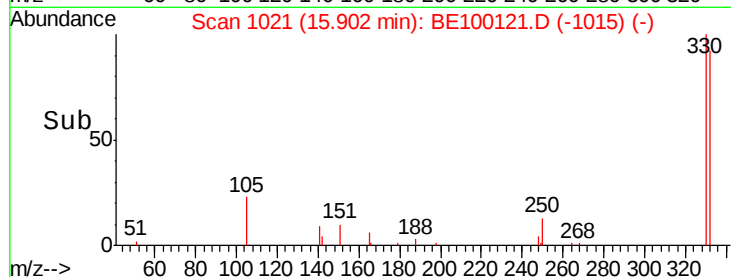
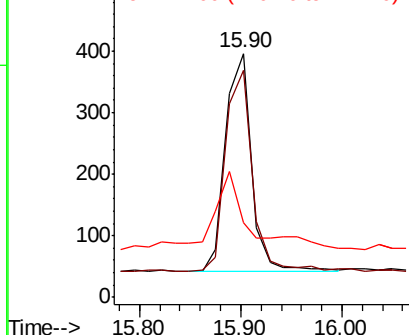
#14
2,4,6-Tribromophenol
Concen: 0.243 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Instrument :
BNA_E
ClientSampleId :
PR-MW-2_061219

Tgt Ion:330 Resp: 627
Ion Ratio Lower Upper
330 100
332 97.3 73.3 109.9
141 45.1 22.2 33.2#

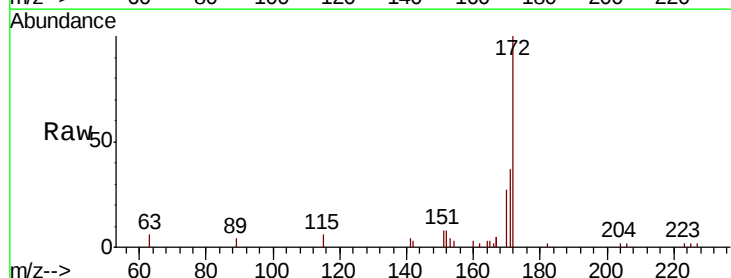


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

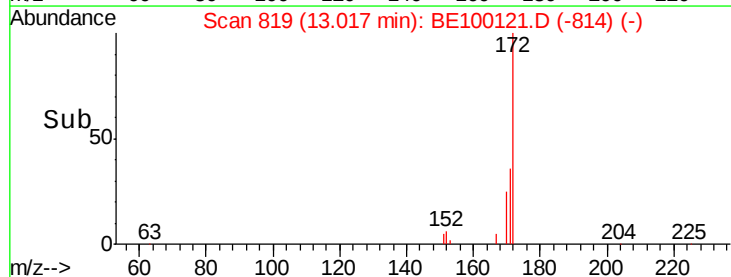
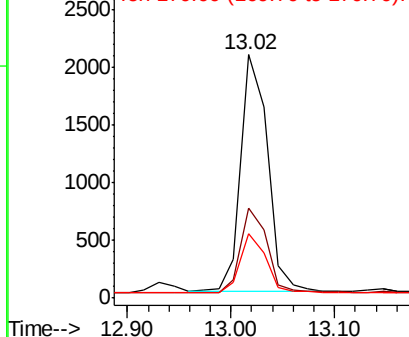


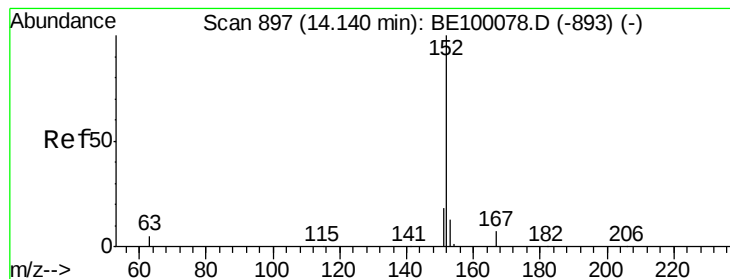
#15
2-Fluorobiphenyl
Concen: 0.204 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.03 min
Lab File: BE100121.D
Acq: 20 Jun 2019 23:41

Tgt Ion:172 Resp: 3741
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.8
170 26.6 23.2 34.8



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





#16

Acenaphthylene

Concen: 0.049 ng

RT: 14.13 min Scan# 896

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

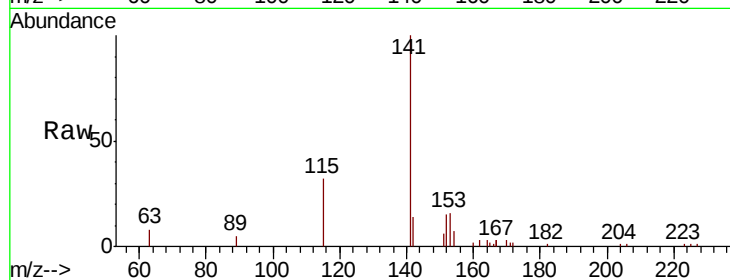
Tgt Ion:152 Resp: 1091

Ion Ratio Lower Upper

152 100

151 33.1 15.9 23.9#

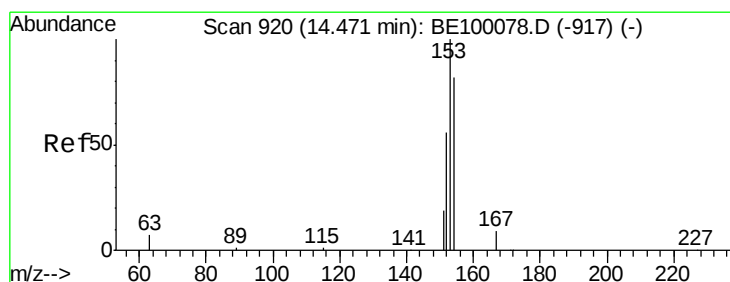
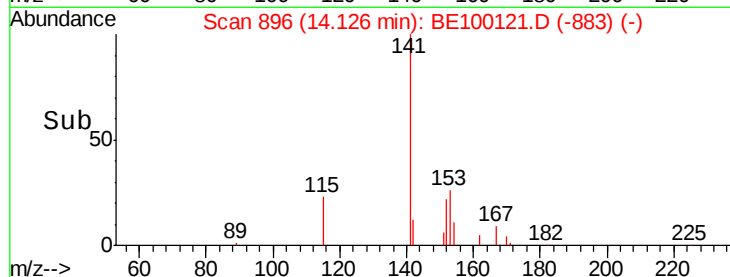
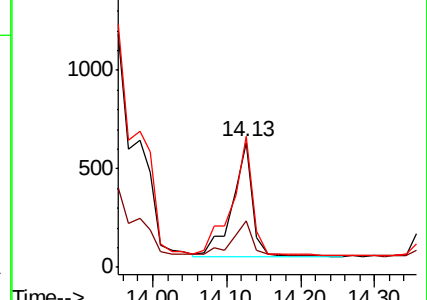
153 113.3 10.1 15.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.102 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

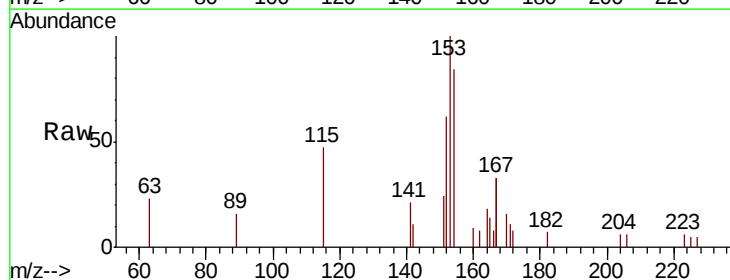
Tgt Ion:154 Resp: 1258

Ion Ratio Lower Upper

154 100

153 160.8 95.5 143.3#

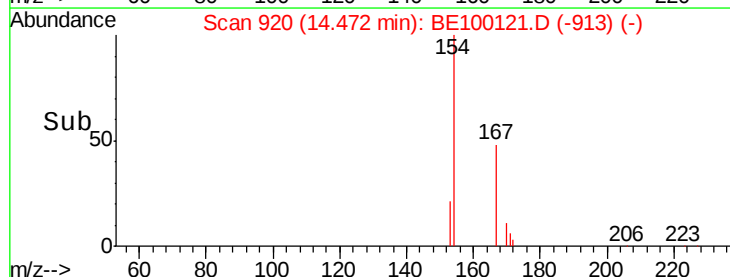
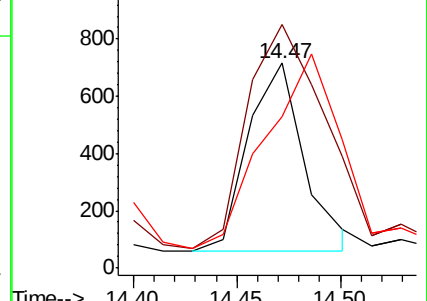
152 130.4 54.9 82.3#

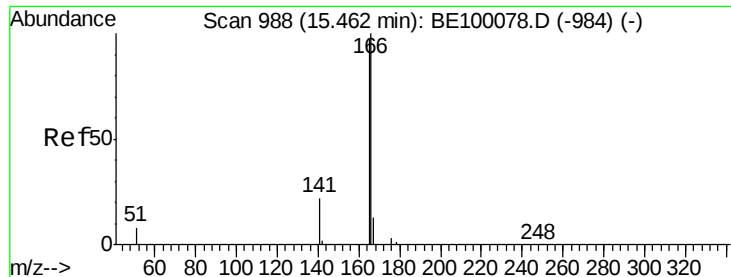


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

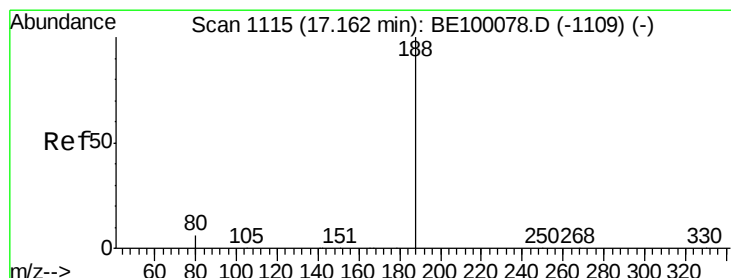
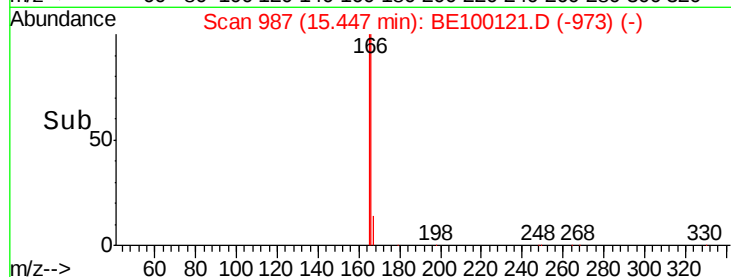
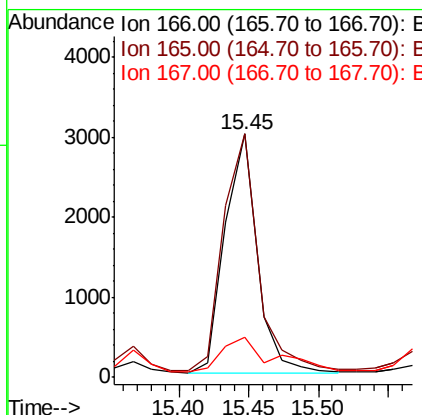
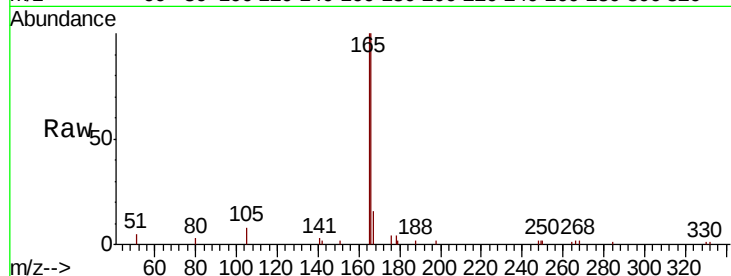




#18
 Fluorene
 Concen: 0.259 ng
 RT: 15.45 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BE100121.D
 Acq: 20 Jun 2019 23:41

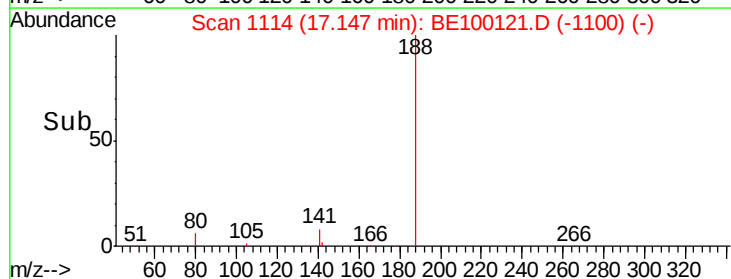
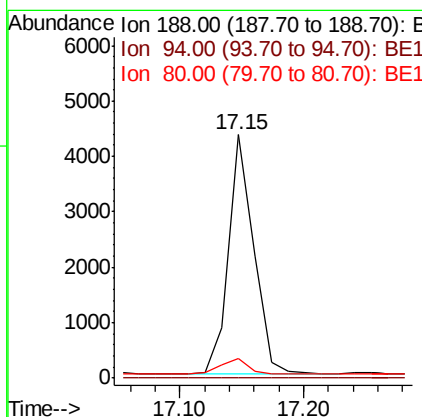
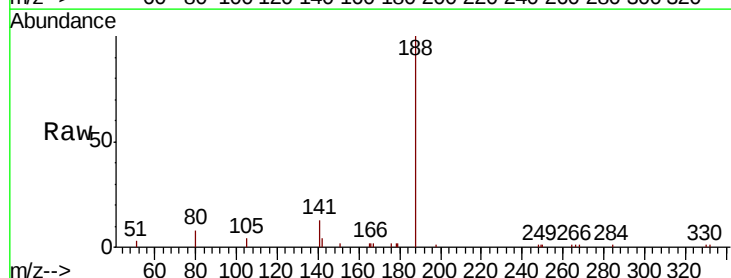
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-2_061219

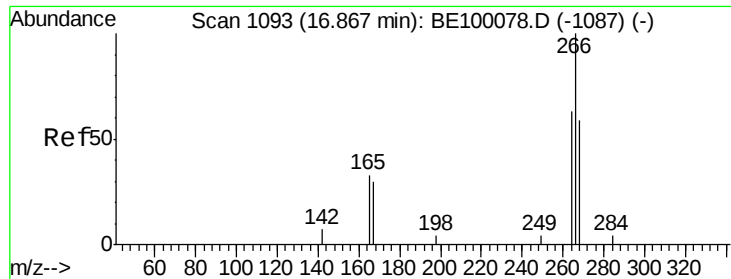
Tgt Ion:166 Resp: 4782
 Ion Ratio Lower Upper
 166 100
 165 105.6 79.8 119.8
 167 23.6 10.2 15.4#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.15 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BE100121.D
 Acq: 20 Jun 2019 23:41

Tgt Ion:188 Resp: 6082
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.1 6.3 9.5





#22

Pentachlorophenol

Concen: 0.254 ng

RT: 16.81 min Scan# 1089

Delta R.T. -0.05 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

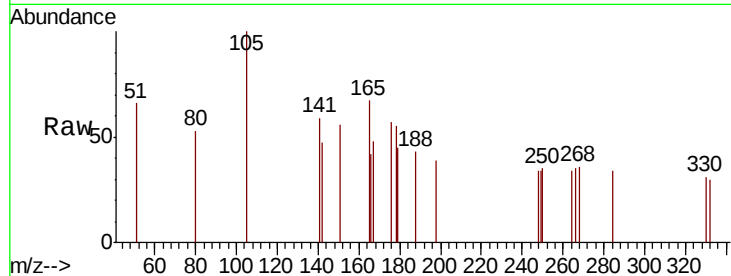
Tgt Ion: 266 Resp: 15

Ion Ratio Lower Upper

266 100

264 96.0 67.8 101.6

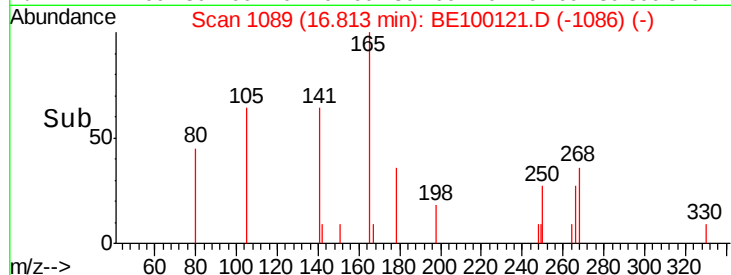
268 104.0 70.0 105.0



Abundance Ion 266.00 (265.70 to 266.70): E

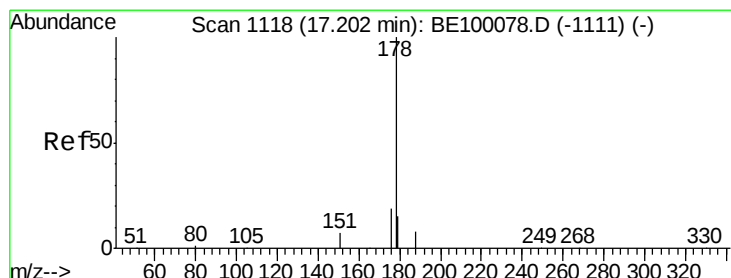
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



16.81

Time-->



#23

Phenanthrene

Concen: 0.103 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

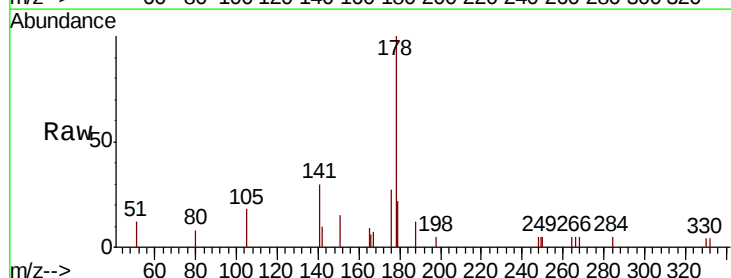
Tgt Ion: 178 Resp: 1494

Ion Ratio Lower Upper

178 100

176 21.1 15.9 23.9

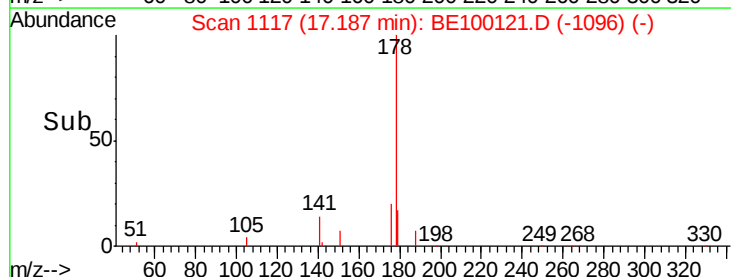
179 19.7 13.1 19.7#



Abundance Ion 178.00 (177.70 to 178.70): E

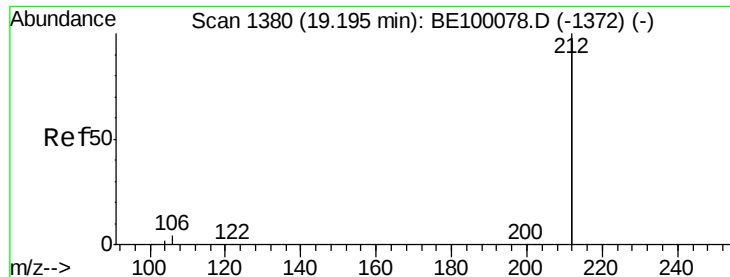
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



17.19

Time-->



#25

Fluoranthene-d10

Concen: 0.038 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

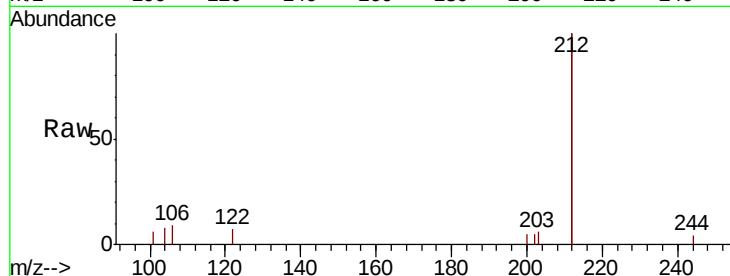
Tgt Ion:212 Resp: 3288

Ion Ratio Lower Upper

212 100

106 2.3 1.4 2.0#

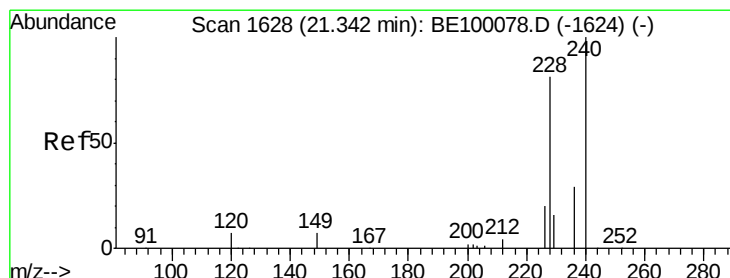
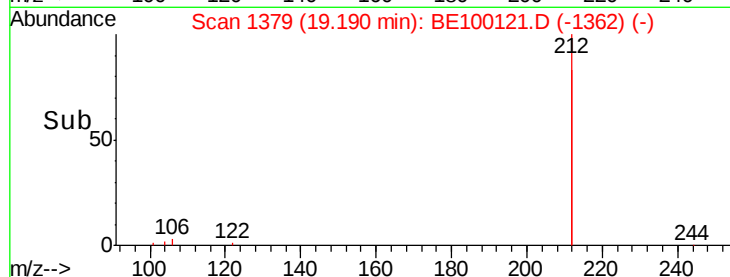
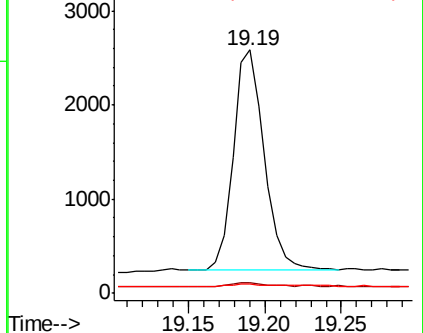
104 2.7 0.8 1.2#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

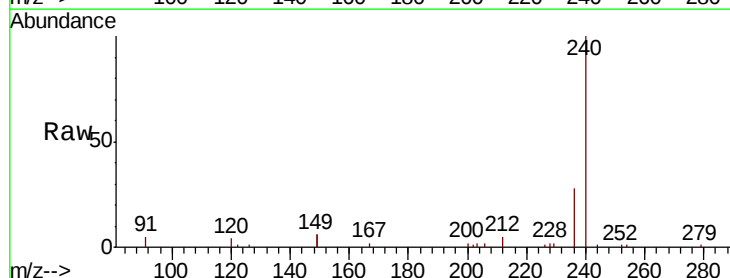
Tgt Ion:240 Resp: 8913

Ion Ratio Lower Upper

240 100

120 4.0 6.6 10.0#

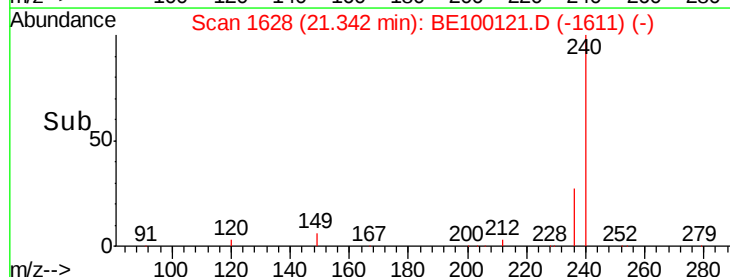
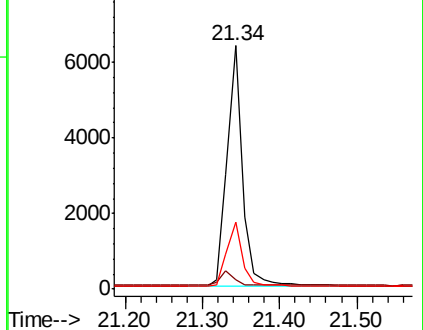
236 27.5 23.8 35.6

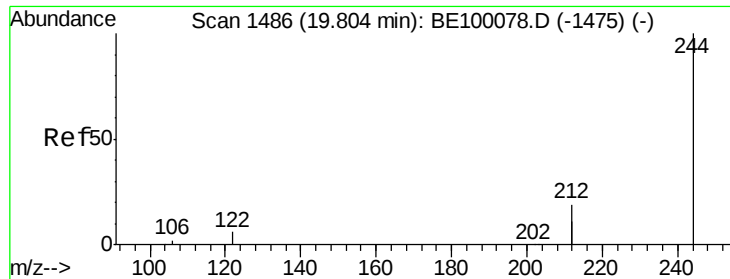


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.562 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

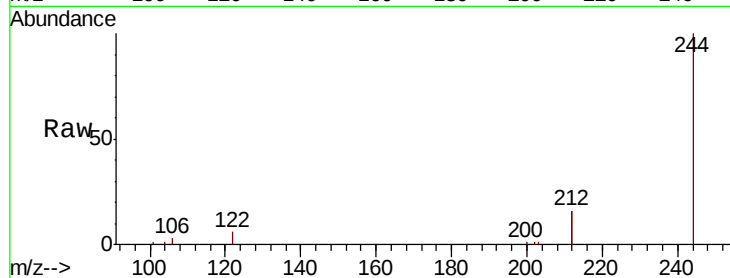
Tgt Ion:244 Resp: 10009

Ion Ratio Lower Upper

244 100

212 31.4 29.8 44.8

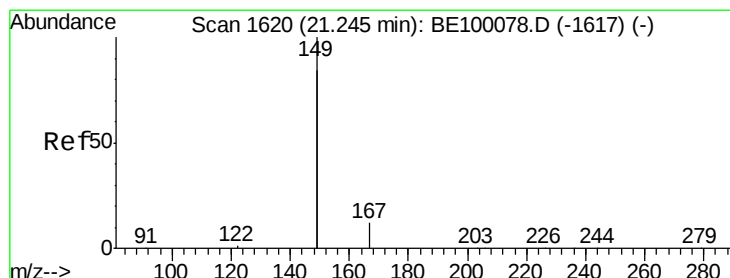
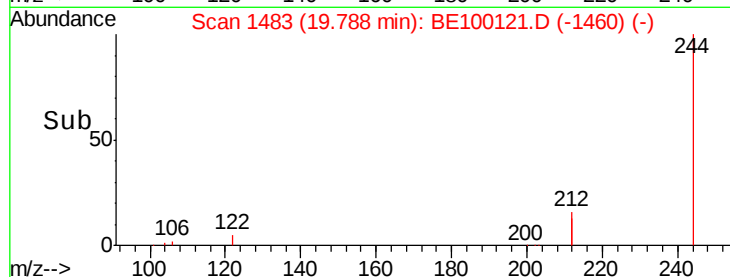
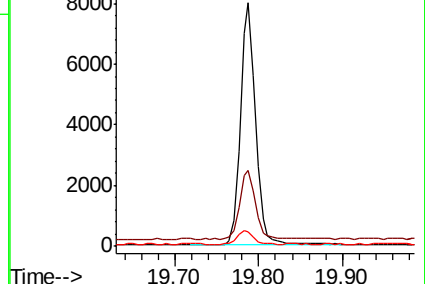
122 5.9 6.1 9.1#



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: 0.244 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

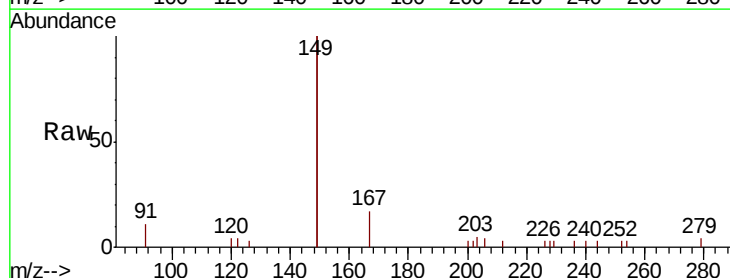
Tgt Ion:149 Resp: 6106

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

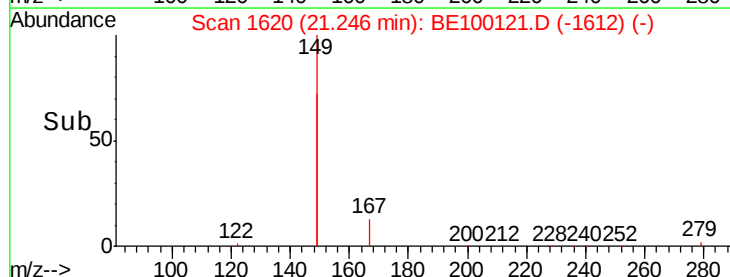
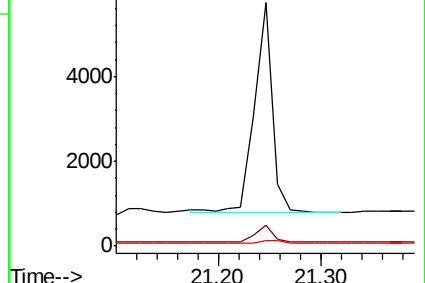
279 1.4 1.1 1.7

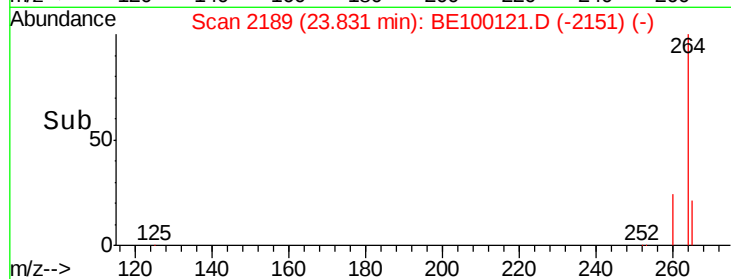
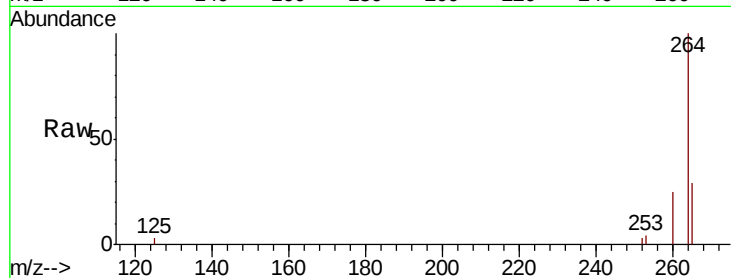
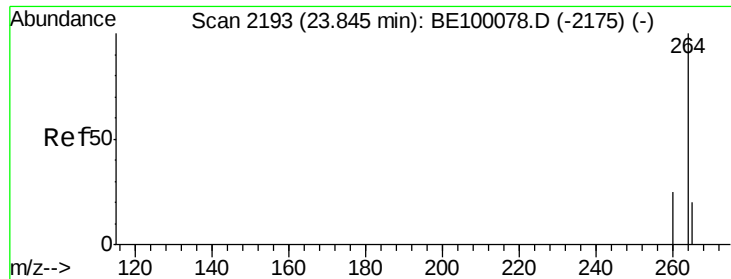


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE100121.D

Acq: 20 Jun 2019 23:41

Instrument :

BNA_E

ClientSampleId :

PR-MW-2_061219

Tgt Ion:264 Resp: 9966

Ion Ratio Lower Upper

264 100

260 25.3 20.8 31.2

265 28.7 23.2 34.8

