

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061919\
 Data File : BE100089.D
 Acq On : 19 Jun 2019 19:14
 Operator : JU/SJ
 Sample : K3309-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-190611

Quant Time: Jun 20 07:39:09 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	7.73	152	757	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2562	0.40	ng	-0.01
13) Acenaphthene-d10	14.41	164	2192	0.40	ng	0.00
19) Phenanthrene-d10	17.15	188	7038	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	10898	0.40	ng	0.00
34) Perylene-d12	23.84	264	12434	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.30	112	275	0.18	ng	0.00
5) Phenol-d6	6.90	99	208	0.10	ng	-0.03
8) Nitrobenzene-d5	8.90	82	1024	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	1564	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	661	0.55	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3598	0.42	ng	-0.01
25) Fluoranthene-d10	19.20	212	34576	0.34	ng	0.00
29) Terphenyl-d14	19.79	244	10718	0.49	ng	-0.01

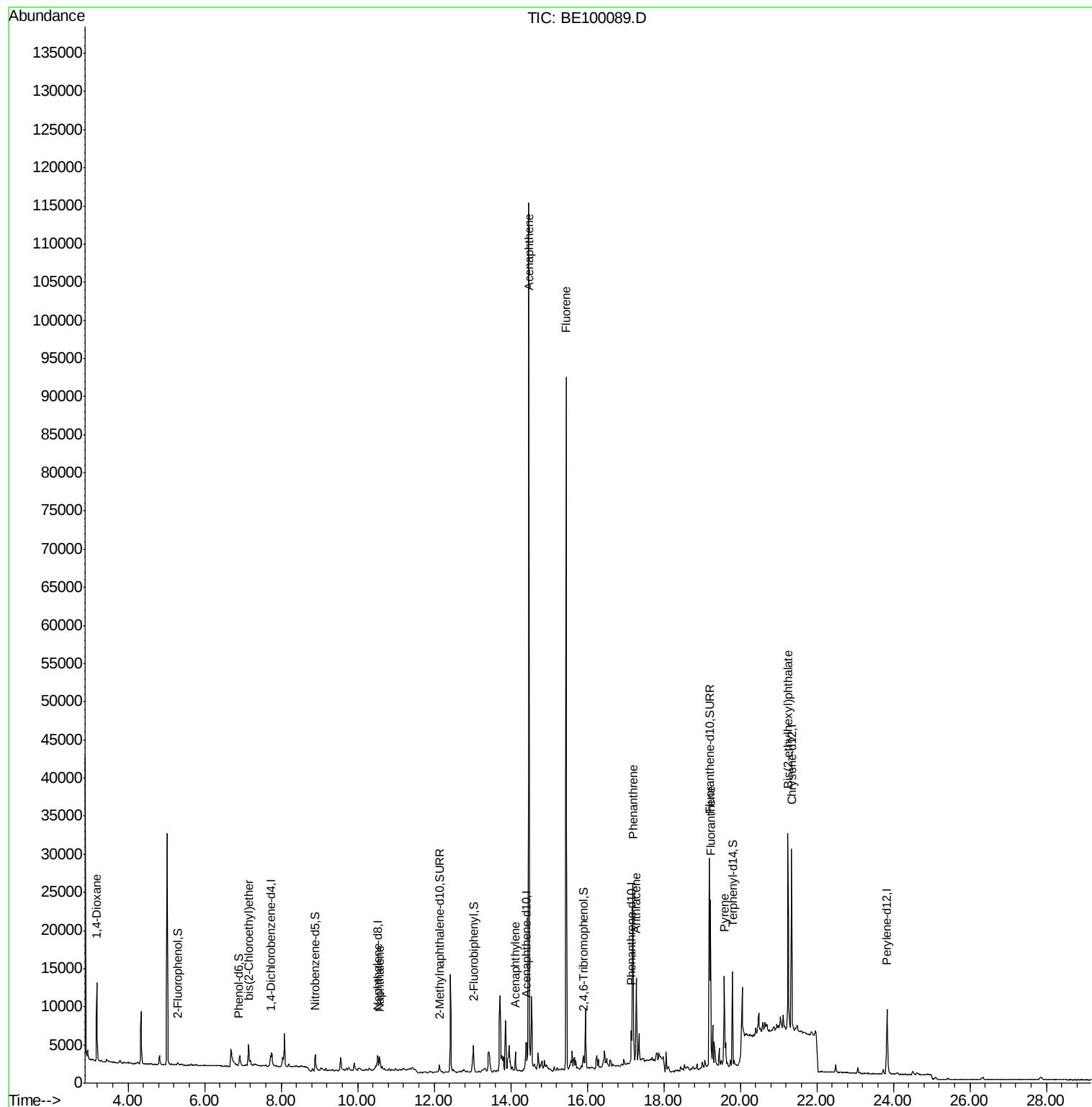
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	7476	6.155	ng	91
6) bis(2-Chloroethyl)ether	7.15	93	1470	0.694	ng	96
9) Naphthalene	10.57	128	2639	0.095	ng	# 89
16) Acenaphthylene	14.12	152	463	0.044	ng	# 43
17) Acenaphthene	14.47	154	53079	9.123	ng	94
18) Fluorene	15.45	166	59551	6.873	ng	99
23) Phenanthrene	17.20	178	30283	1.796	ng	99
24) Anthracene	17.28	178	12640	0.889	ng	# 92
26) Fluoranthene	19.22	202	19658	0.726	ng	# 98
28) Pyrene	19.59	202	11620	0.415	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.25	149	31037	1.015	ng	99

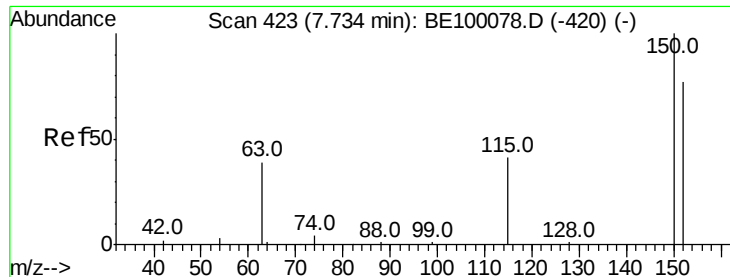
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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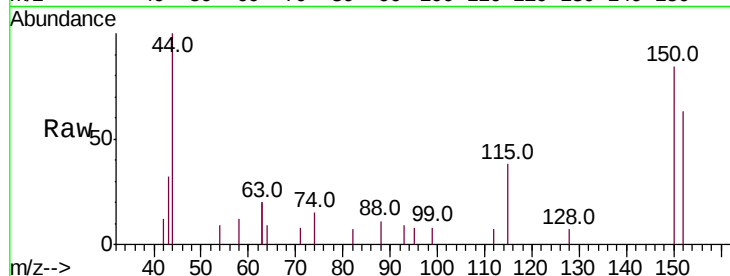


#1

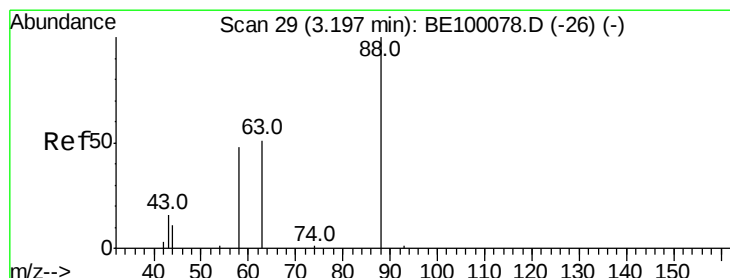
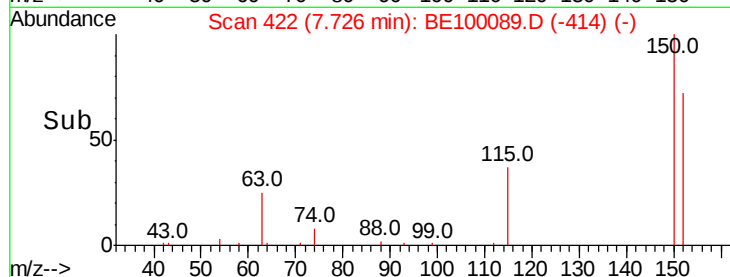
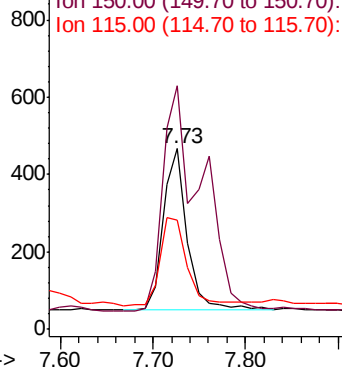
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100089.D
Acq: 19 Jun 2019 19:14

Instrument :
BNA_E
ClientSampleId :
SS043MW010-190611

Tot Ion:152 Resp: 757
Ion Ratio Lower Upper
152 100
150 134.7 99.8 149.8
115 60.6 51.3 76.9



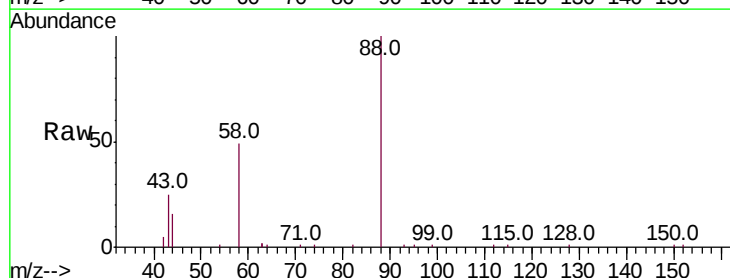
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



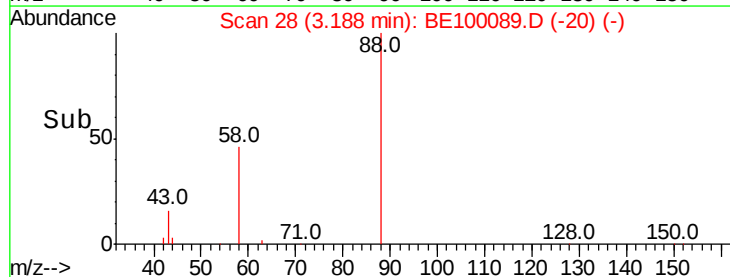
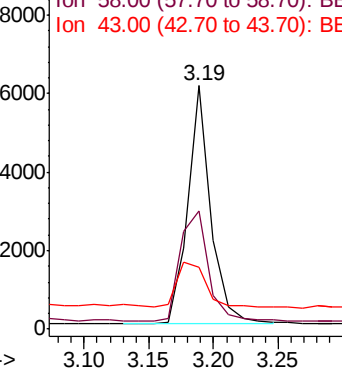
#2

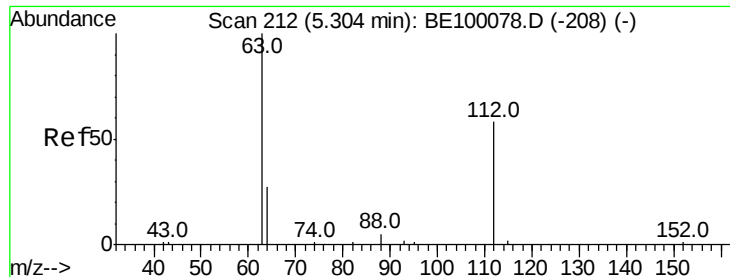
1,4-Dioxane
Concen: 6.155 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100089.D
Acq: 19 Jun 2019 19:14

Tgt Ion: 88 Resp: 7476
Ion Ratio Lower Upper
88 100
58 56.0 51.1 76.7
43 22.9 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





#4

2-Fluorophenol

Concen: 0.175 ng

RT: 5.30 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

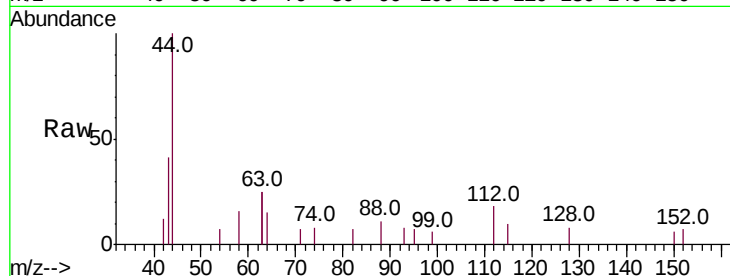
Tot Ion:112 Resp: 275

Ion Ratio Lower Upper

112 100

64 54.9 22.0 33.0#

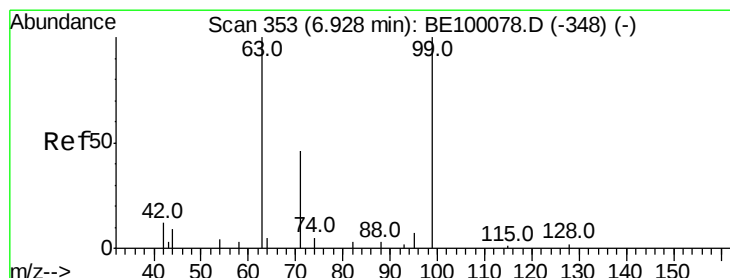
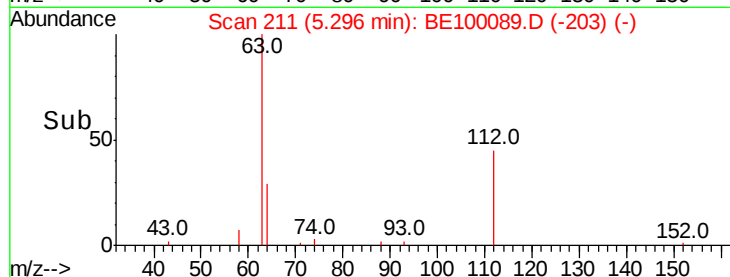
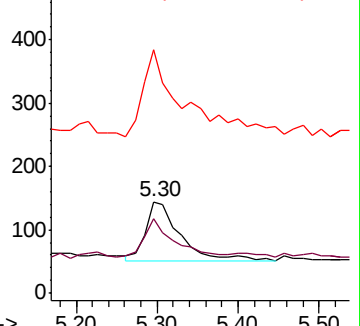
63 168.7 121.8 182.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.096 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.03 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

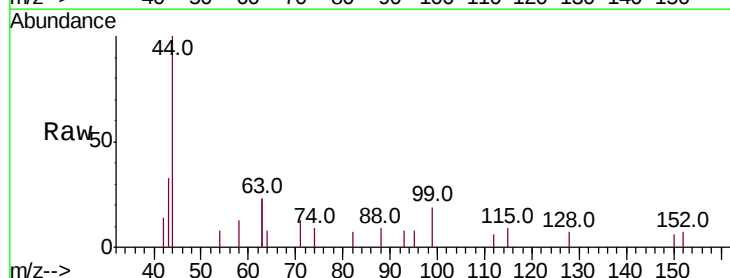
Tgt Ion: 99 Resp: 208

Ion Ratio Lower Upper

99 100

42 41.3 0.0 0.0#

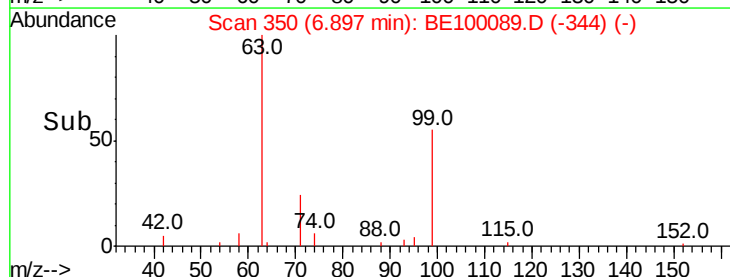
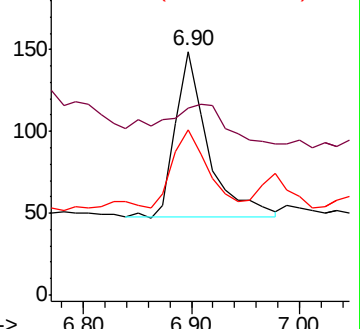
71 51.9 37.6 56.4

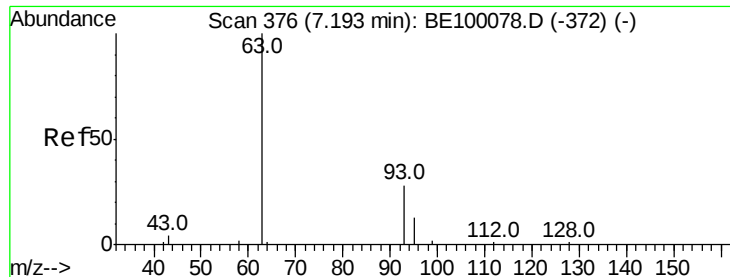


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.694 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.04 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

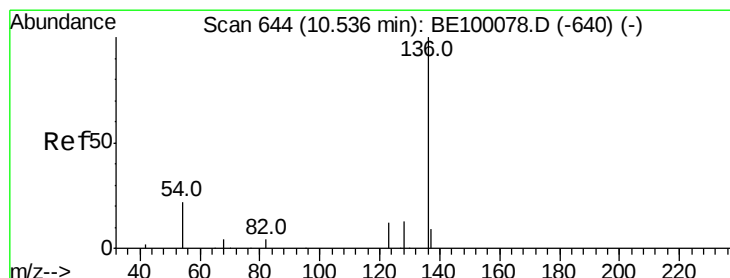
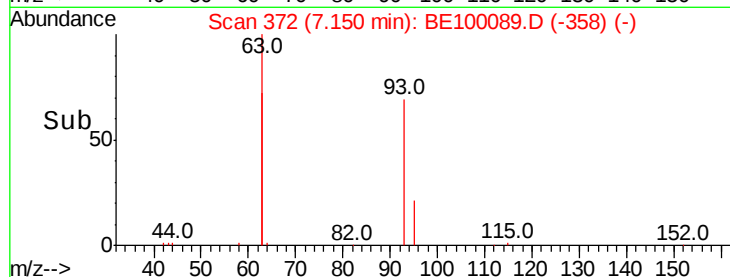
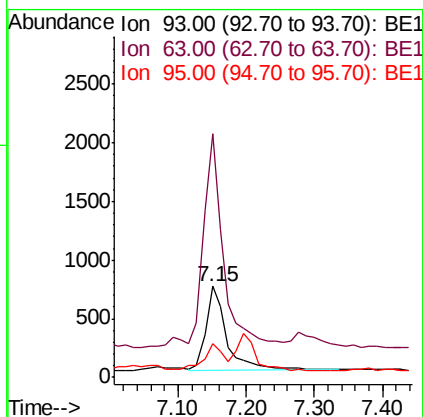
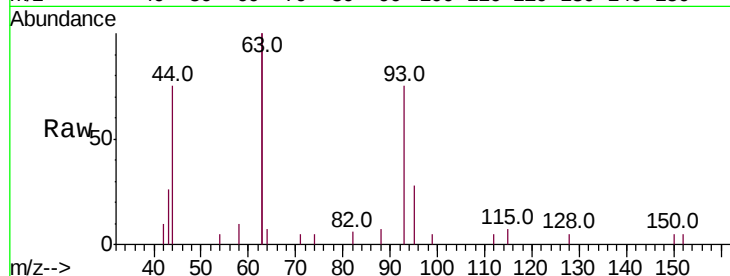
Tot Ion: 93 Resp: 1470

Ion Ratio Lower Upper

93 100

63 256.9 200.0 300.0

95 30.3 24.0 36.0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Tgt Ion: 136 Resp: 2562

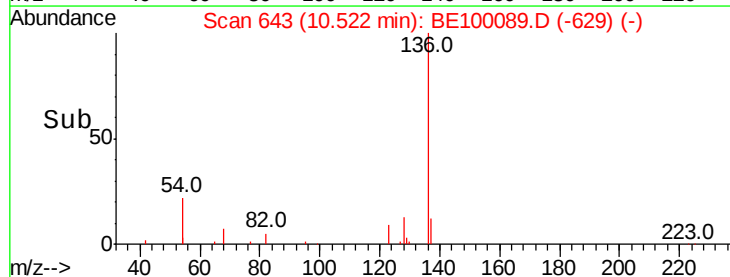
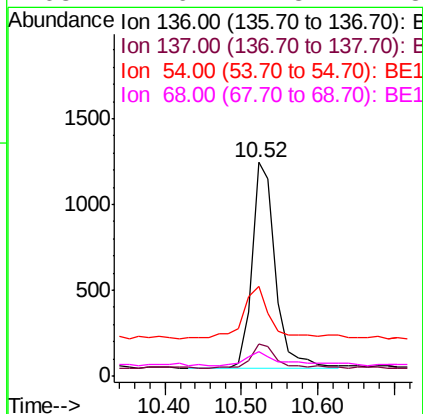
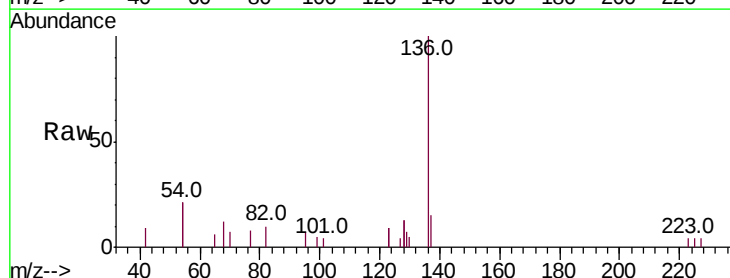
Ion Ratio Lower Upper

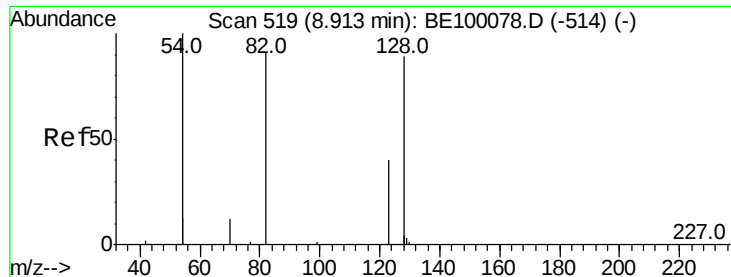
136 100

137 15.1 11.6 17.4

54 41.9 33.9 50.9

68 11.6 7.8 11.8





#8

Nitrobenzene-d5

Concen: 0.412 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

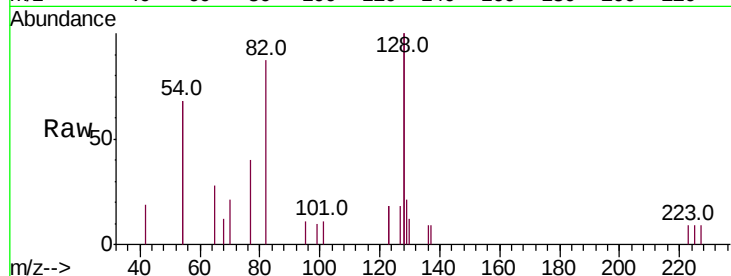
Tot Ion: 82 Resp: 1024

Ion Ratio Lower Upper

82 100

128 229.0 128.0 192.0#

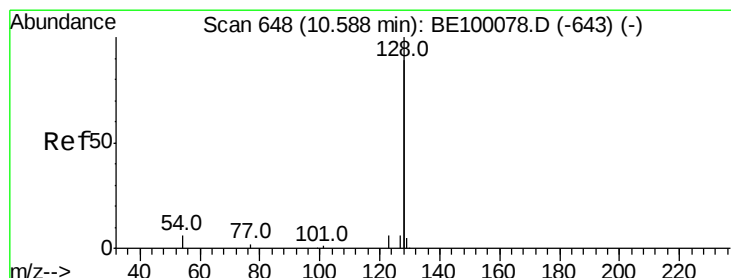
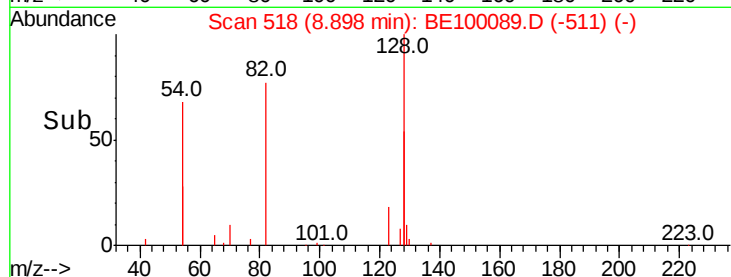
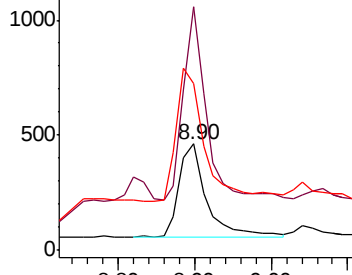
54 156.7 143.4 215.0



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: 0.095 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

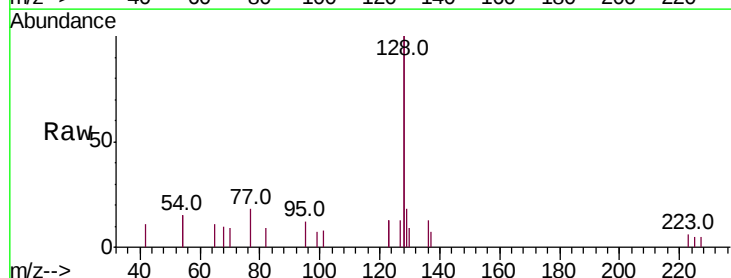
Tgt Ion: 128 Resp: 2639

Ion Ratio Lower Upper

128 100

129 9.0 3.1 4.7#

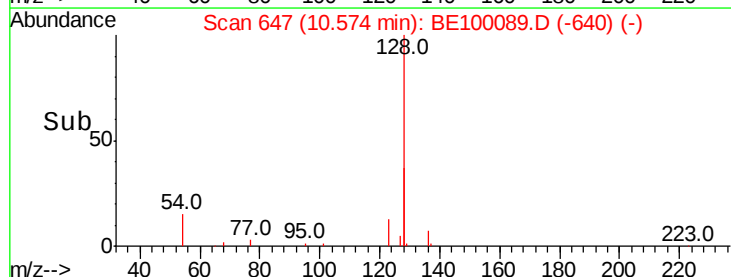
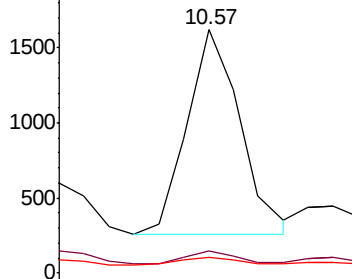
127 6.6 3.4 5.2#

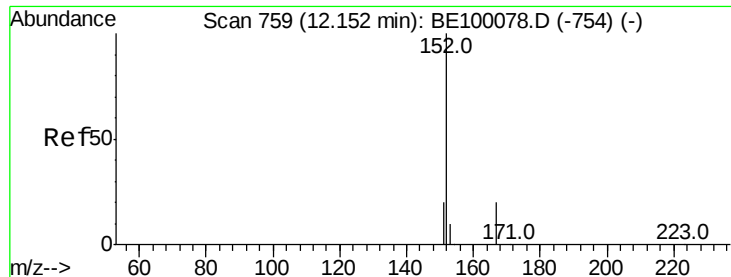


Abundance Ion 128.00 (127.70 to 128.70): BE1

Ion 129.00 (128.70 to 129.70): BE1

Ion 127.00 (126.70 to 127.70): BE1

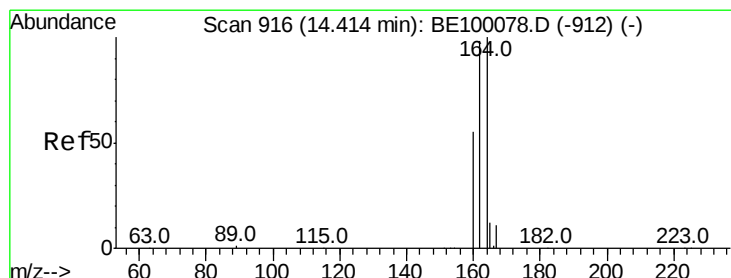
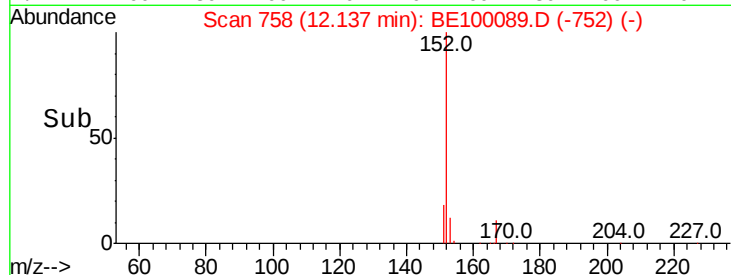
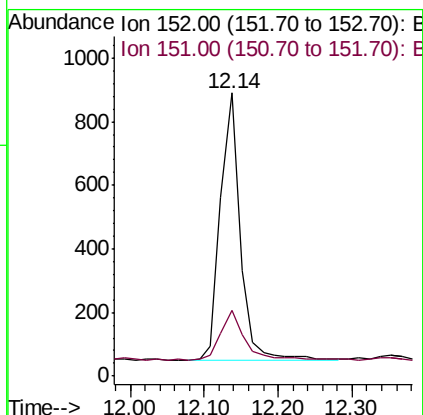
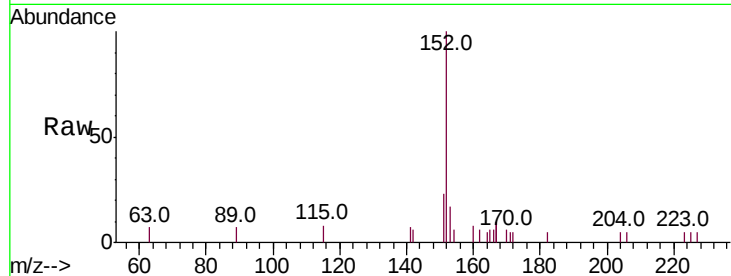




#11
 2-Methylnaphthalene-d10
 Concen: 0.321 ng
 RT: 12.14 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BE100089.D
 Acq: 19 Jun 2019 19:14

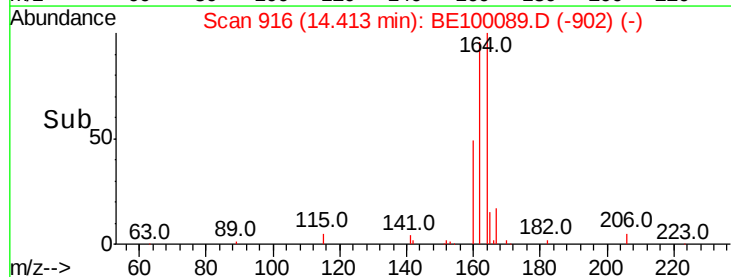
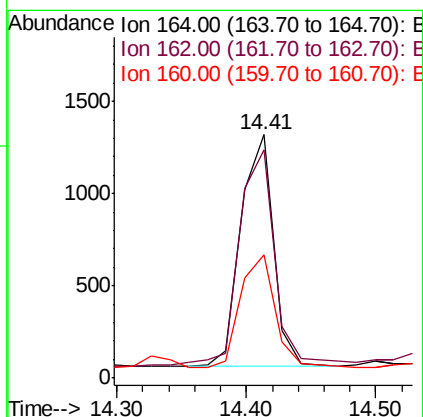
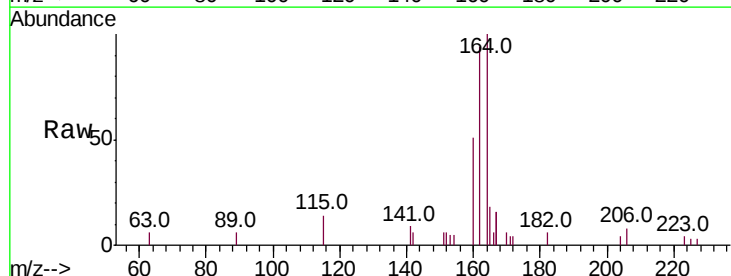
Instrument :
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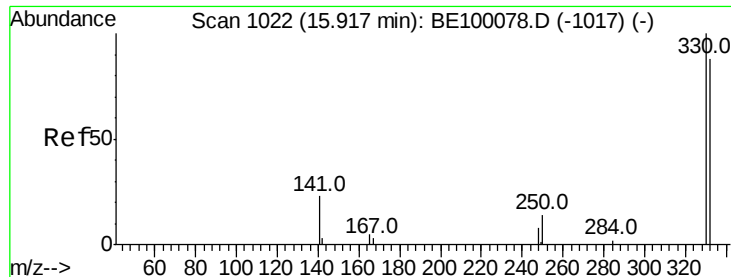
Tot Ion:152 Resp: 1564
 Ion Ratio Lower Upper
 152 100
 151 22.1 16.3 24.5



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.41 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BE100089.D
 Acq: 19 Jun 2019 19:14

Tgt Ion:164 Resp: 2192
 Ion Ratio Lower Upper
 164 100
 162 93.9 78.2 117.2
 160 50.6 45.6 68.4

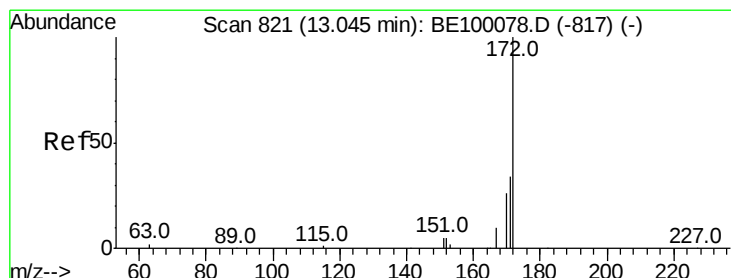
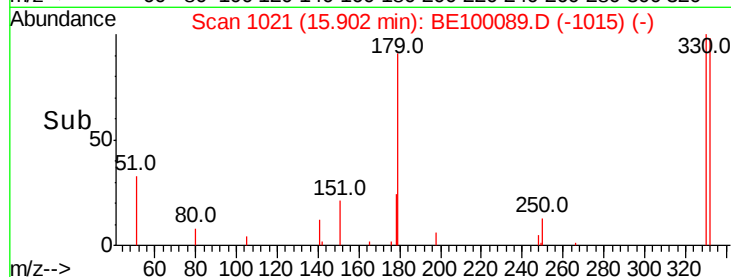
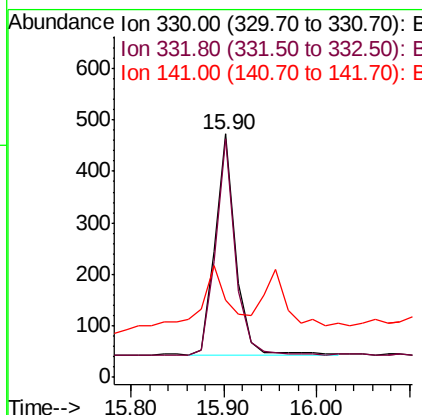
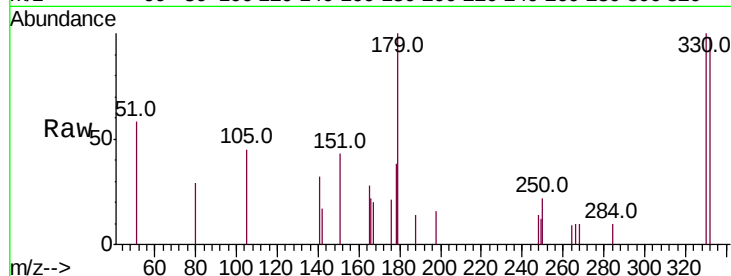




#14
2,4,6-Tribromophenol
Concen: 0.546 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100089.D
Acq: 19 Jun 2019 19:14

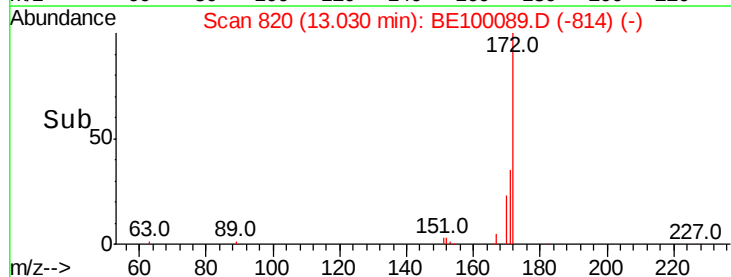
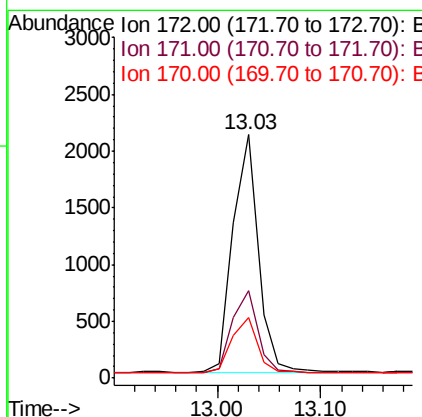
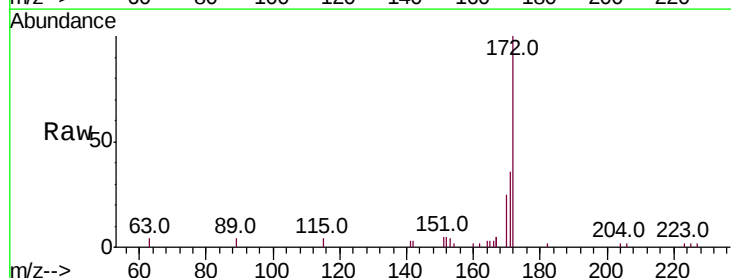
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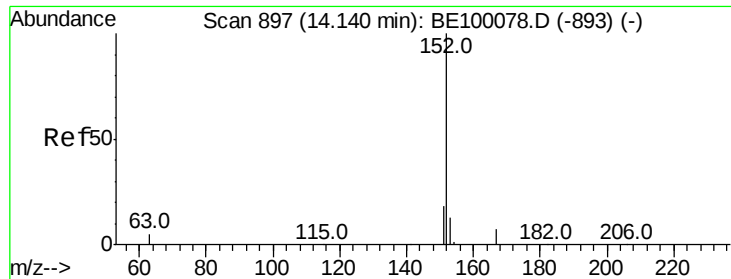
Tot Ion:330 Resp: 661
Ion Ratio Lower Upper
330 100
332 93.9 73.3 109.9
141 24.5 22.2 33.2



#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100089.D
Acq: 19 Jun 2019 19:14

Tgt Ion:172 Resp: 3598
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.8
170 24.9 23.2 34.8





#16

Acenaphthylene

Concen: 0.044 ng

RT: 14.12 min Scan# 896

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

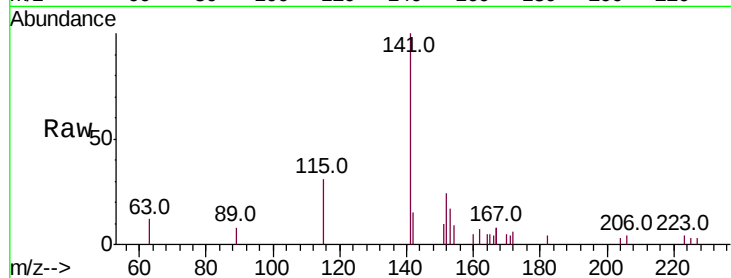
Tot Ion:152 Resp: 463

Ion Ratio Lower Upper

152 100

151 28.3 15.9 23.9#

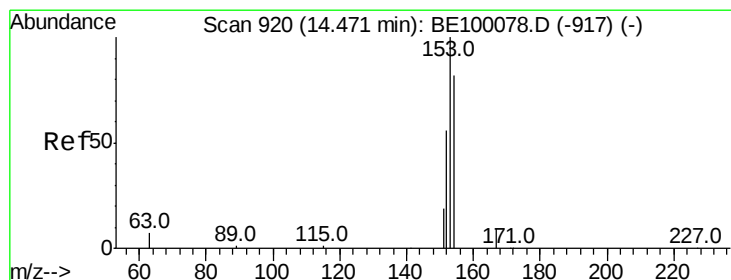
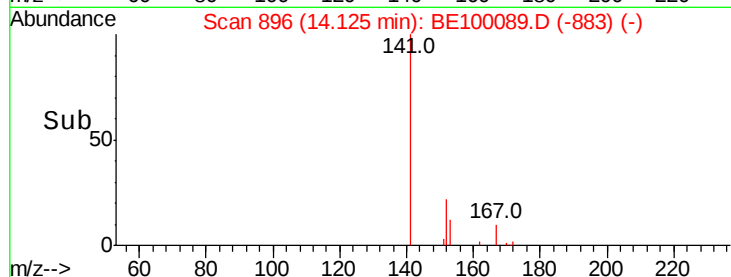
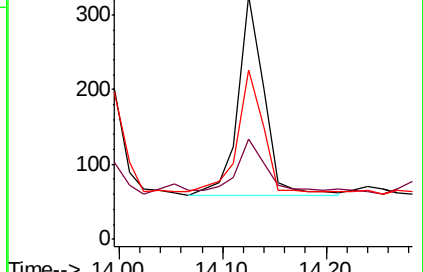
153 59.4 10.1 15.1#



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: 9.123 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

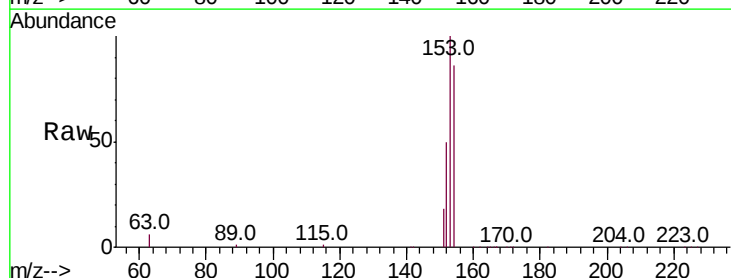
Tgt Ion:154 Resp: 53079

Ion Ratio Lower Upper

154 100

153 116.5 95.5 143.3

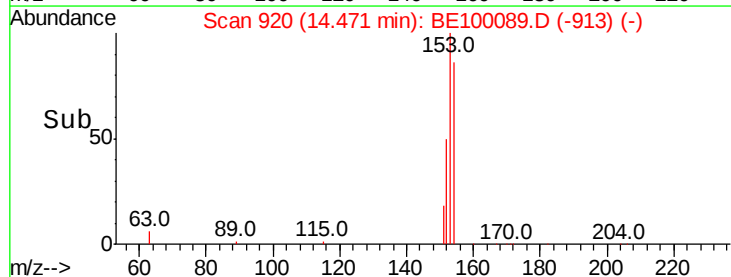
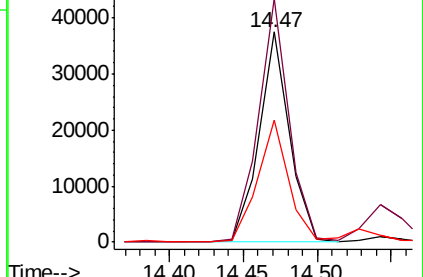
152 58.3 54.9 82.3

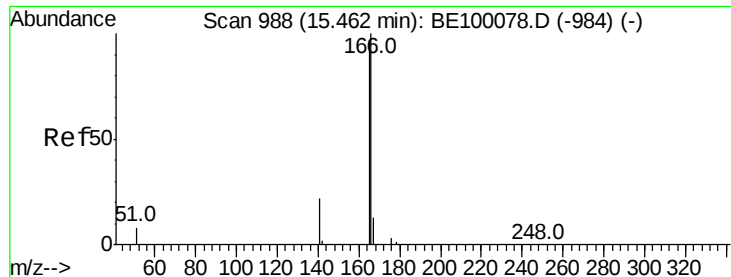


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

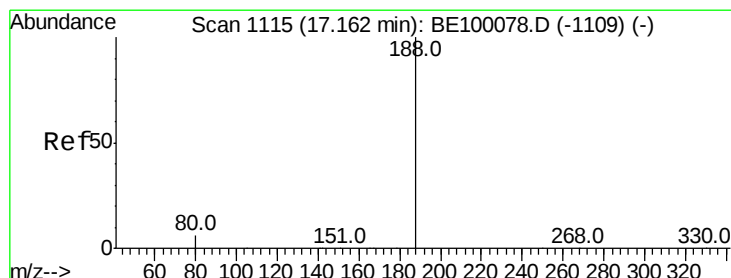
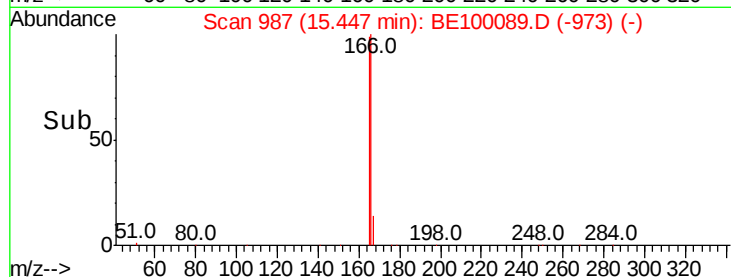
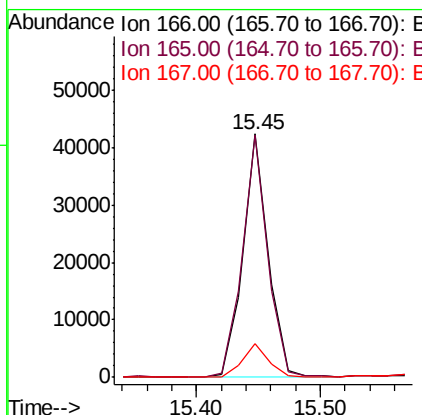
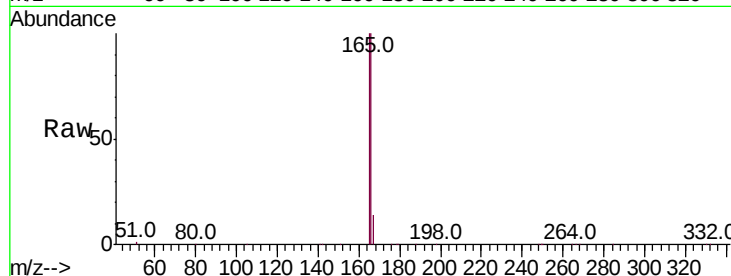




#18
 Fluorene
 Concen: 6.873 ng
 RT: 15.45 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BE100089.D
 Acq: 19 Jun 2019 19:14

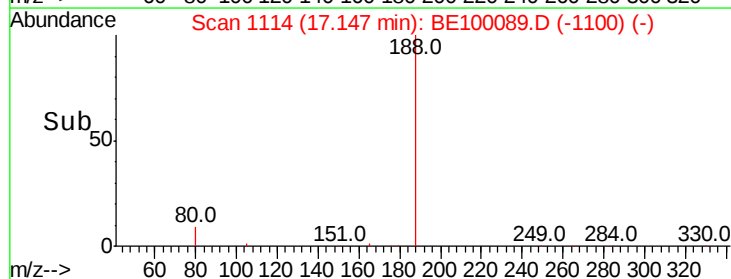
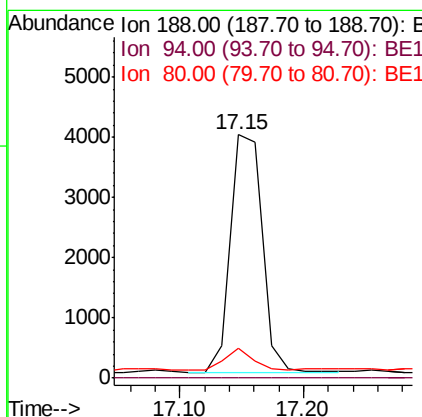
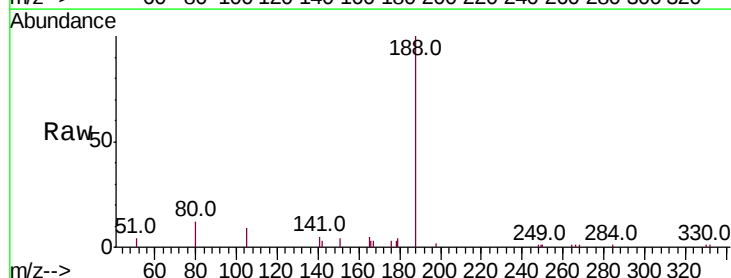
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-190611

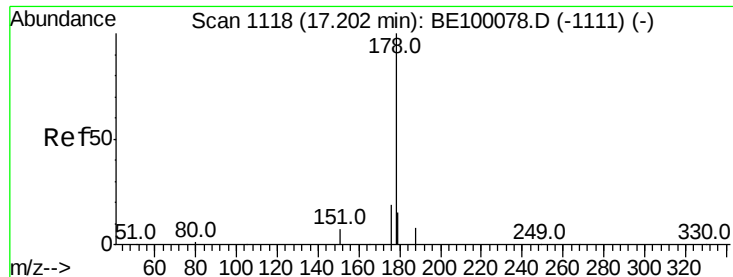
Tot Ion:166 Resp: 59551
 Ion Ratio Lower Upper
 166 100
 165 99.4 79.8 119.8
 167 14.4 10.2 15.4



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.15 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BE100089.D
 Acq: 19 Jun 2019 19:14

Tgt Ion:188 Resp: 7038
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 12.3 6.3 9.5#





#23

Phenanthrene

Concen: 1.796 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

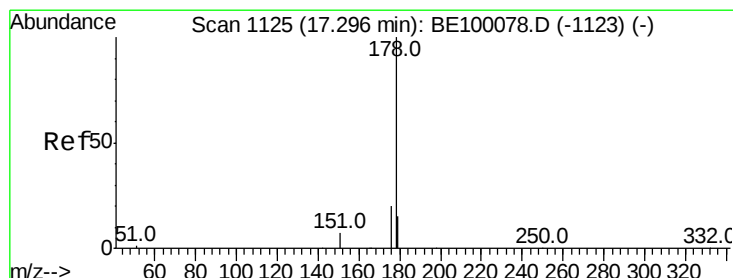
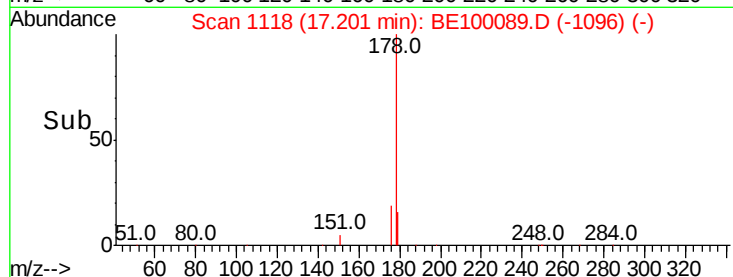
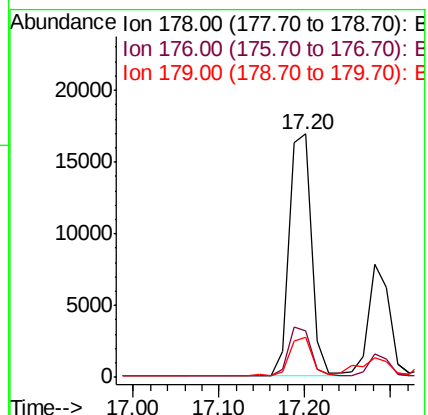
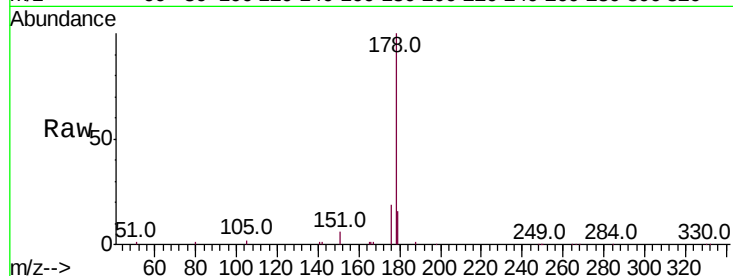
Tot Ion:178 Resp: 30283

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.5 13.1 19.7



#24

Anthracene

Concen: 0.889 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

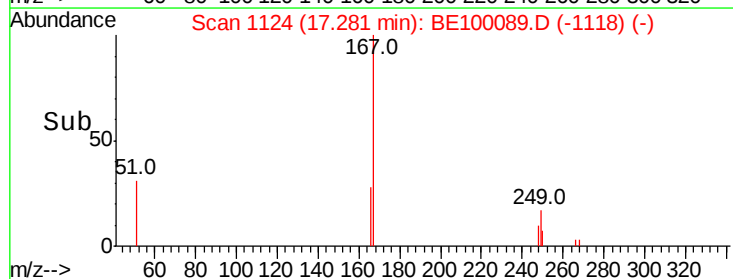
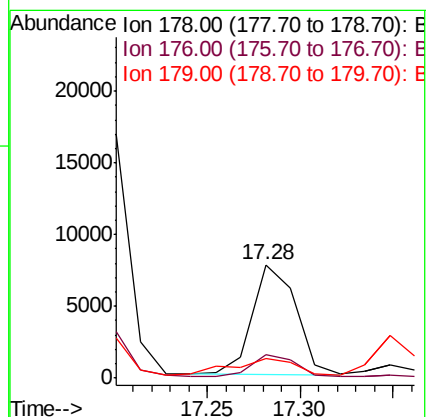
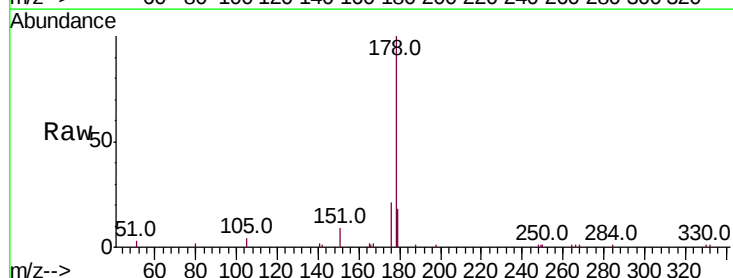
Tgt Ion:178 Resp: 12640

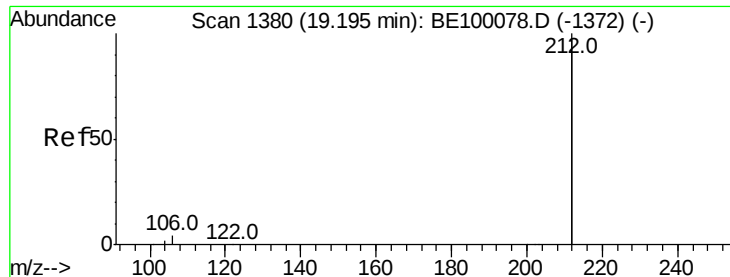
Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

179 22.7 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

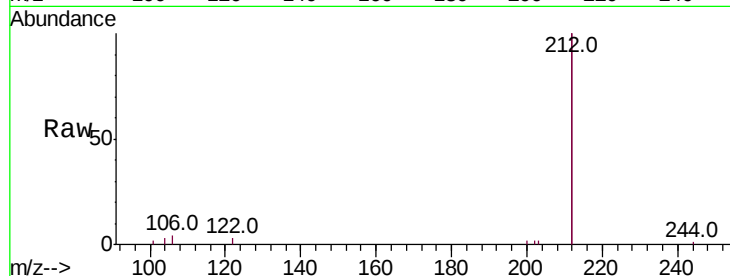
Tot Ion:212 Resp: 34576

Ion Ratio Lower Upper

212 100

106 2.1 1.4 2.0#

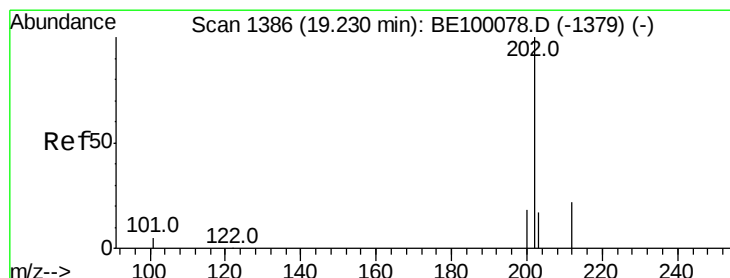
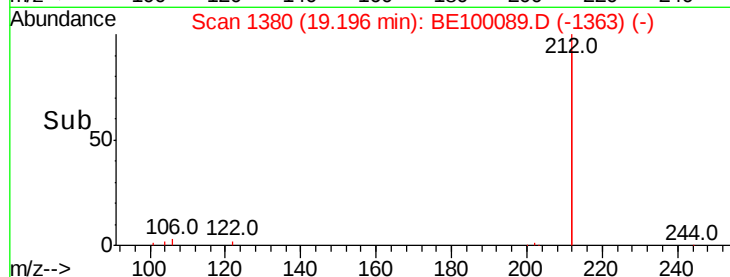
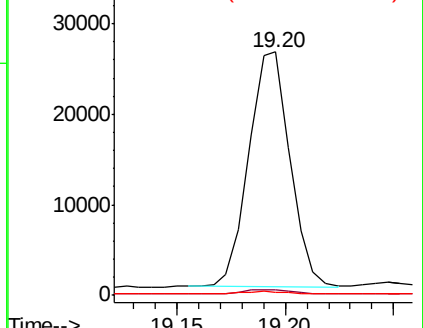
104 1.6 0.8 1.2#



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



#26

Fluoranthene

Concen: 0.726 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

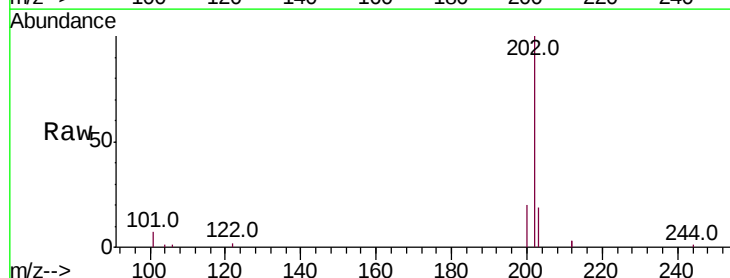
Tgt Ion:202 Resp: 19658

Ion Ratio Lower Upper

202 100

101 7.6 5.0 7.4#

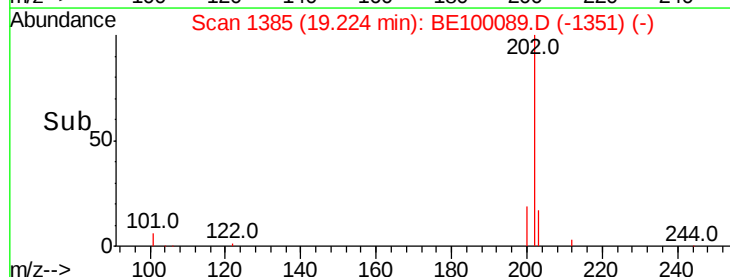
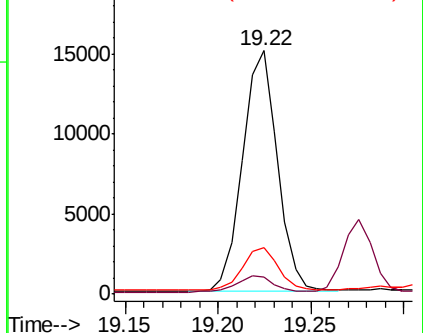
203 17.8 13.7 20.5

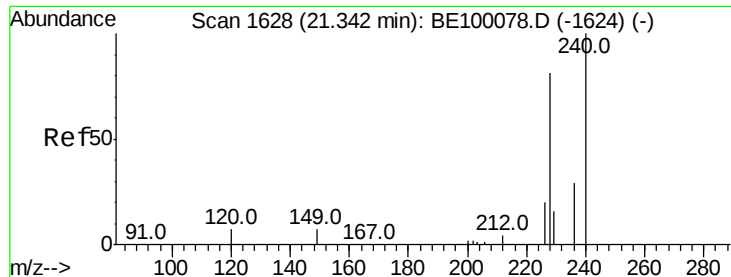


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

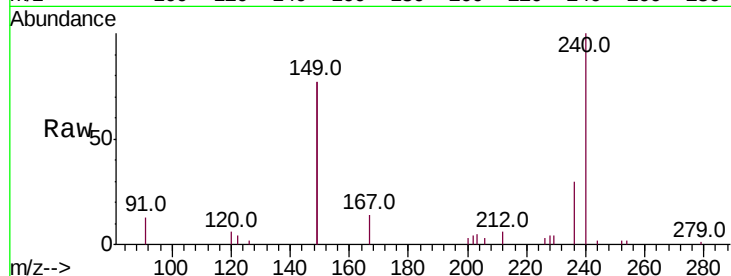
Tot Ion:240 Resp: 10898

Ion Ratio Lower Upper

240 100

120 6.0 6.6 10.0#

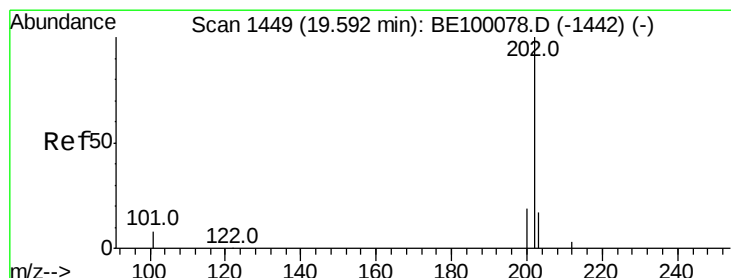
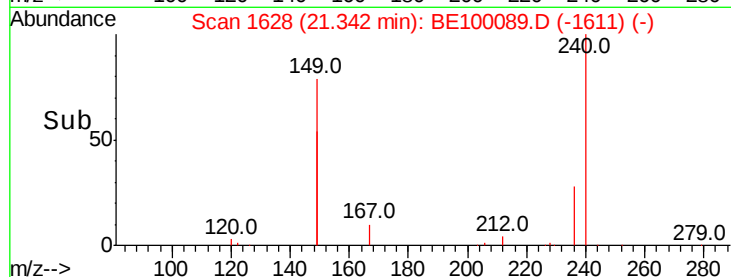
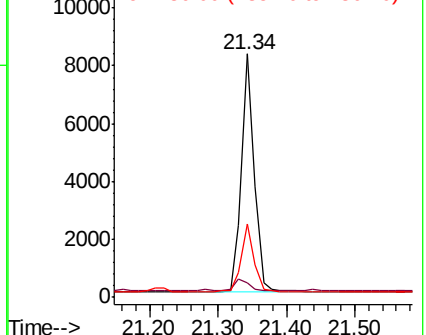
236 30.1 23.8 35.6



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



#28

Pyrene

Concen: 0.415 ng

RT: 19.59 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

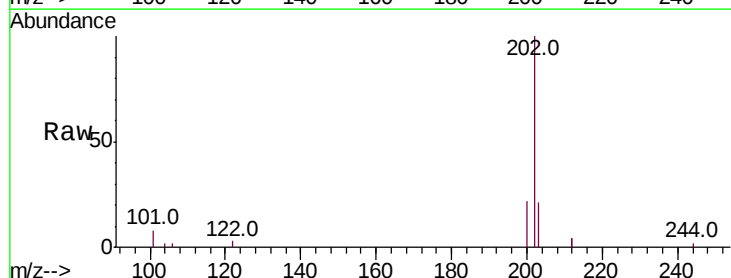
Tgt Ion:202 Resp: 11620

Ion Ratio Lower Upper

202 100

200 21.9 15.6 23.4

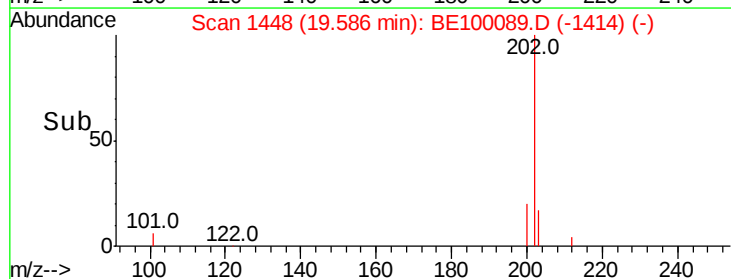
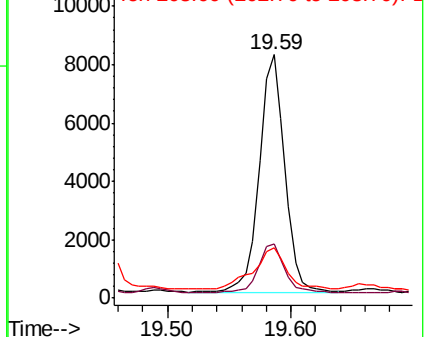
203 22.9 13.9 20.9#

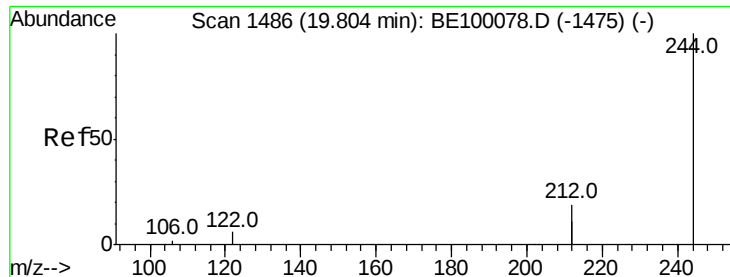


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.492 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

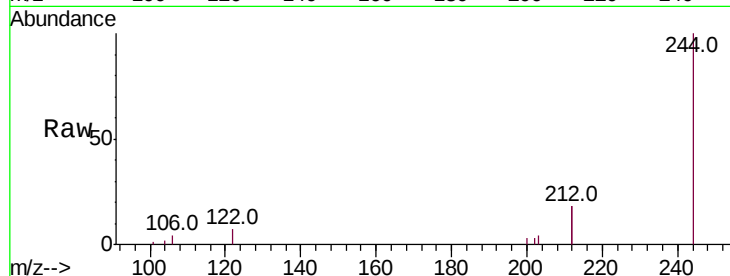
Tot Ion:244 Resp: 10718

Ion Ratio Lower Upper

244 100

212 35.0 29.8 44.8

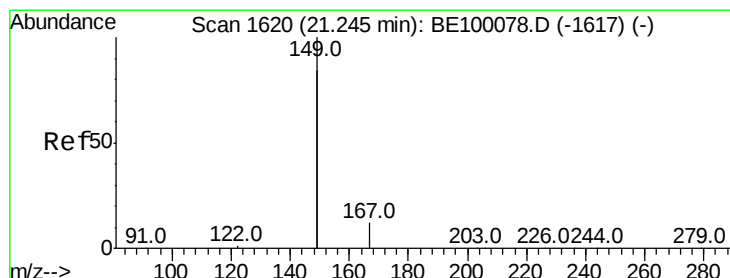
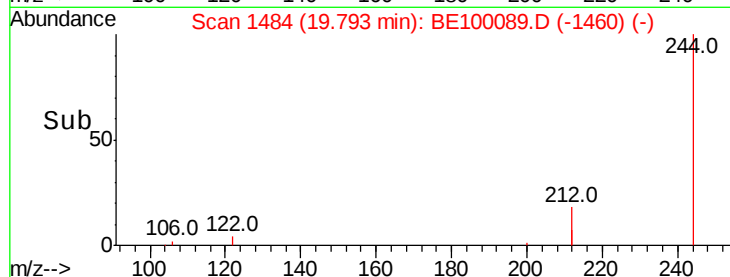
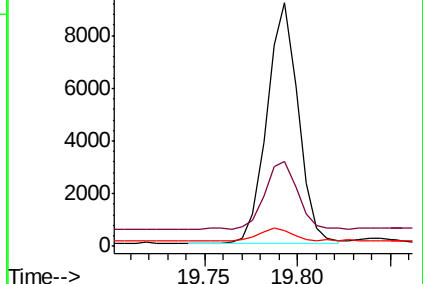
122 6.7 6.1 9.1



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: 1.015 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

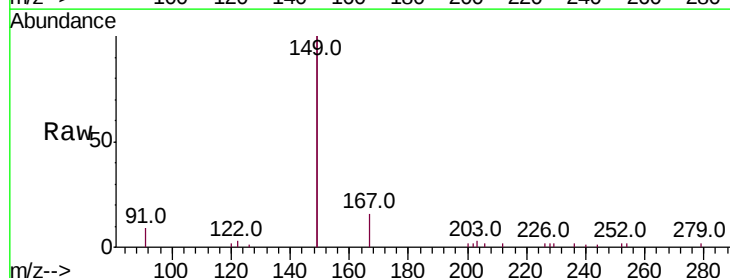
Tgt Ion:149 Resp: 31037

Ion Ratio Lower Upper

149 100

167 6.8 5.8 8.6

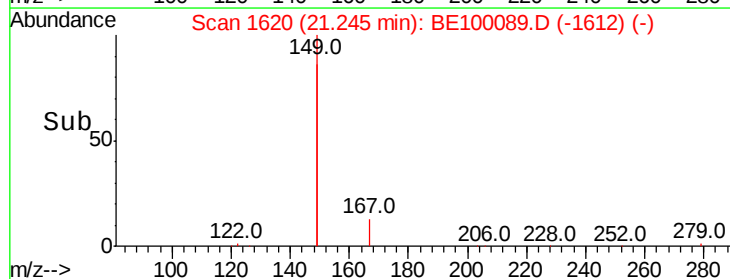
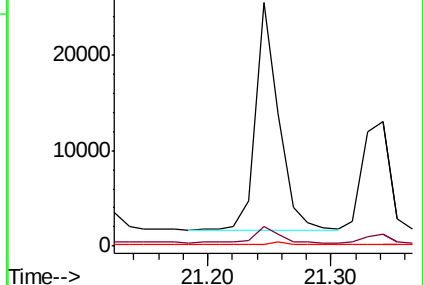
279 1.4 1.1 1.7

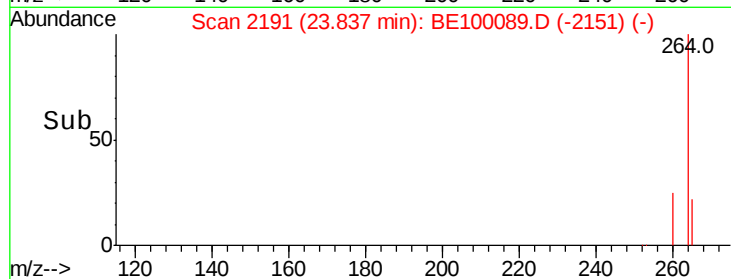
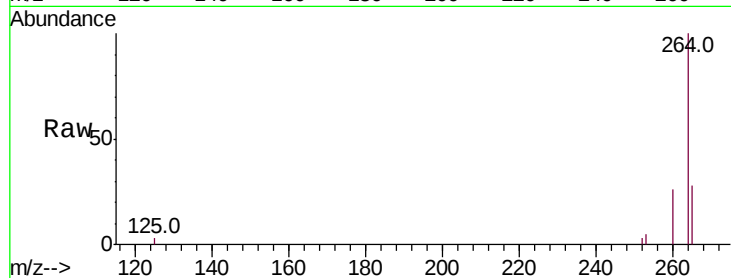
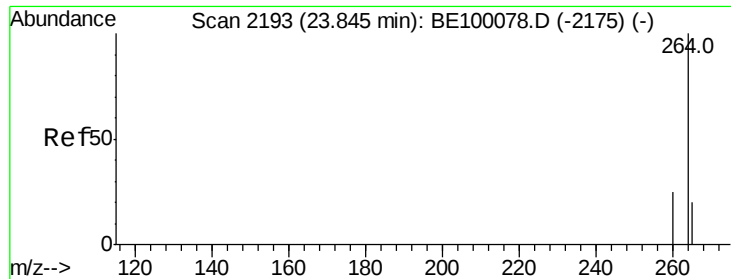


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE100089.D

Acq: 19 Jun 2019 19:14

Instrument :

BNA_E

ClientSampleId :

SS043MW010-190611

Tot Ion:264 Resp: 12434

Ion Ratio Lower Upper

264 100

260 26.1 20.8 31.2

265 28.3 23.2 34.8

