

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062619\
 Data File : BE100195.D
 Acq On : 26 Jun 2019 15:39
 Operator : JU/SJ
 Sample : K3309-03RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY032MW006-190610RE

Quant Time: Jun 27 04:44:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 15:40:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1176	0.40	ng	0.01
7) Naphthalene-d8	10.47	136	22520	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	3013	0.40	ng	0.03
19) Phenanthrene-d10	17.11	188	10175	0.40	ng	0.01
27) Chrysene-d12	21.29	240	12561	0.40	ng	0.01
34) Perylene-d12	23.73	264	13529	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	1149	0.44	ng	0.04
5) Phenol-d6	6.90	99	590	0.16	ng	0.02
8) Nitrobenzene-d5	8.86	82	3024	0.13	ng	0.01
11) 2-Methylnaphthalene-d10	12.09	152	3661	0.09	ng	0.02
14) 2,4,6-Tribromophenol	15.86	330	991	0.57	ng	0.01
15) 2-Fluorobiphenyl	13.00	172	15802	1.31	ng	0.03
25) Fluoranthene-d10	19.14	212	40630	0.28	ng	0.00
29) Terphenyl-d14	19.74	244	11106	0.45	ng	0.00

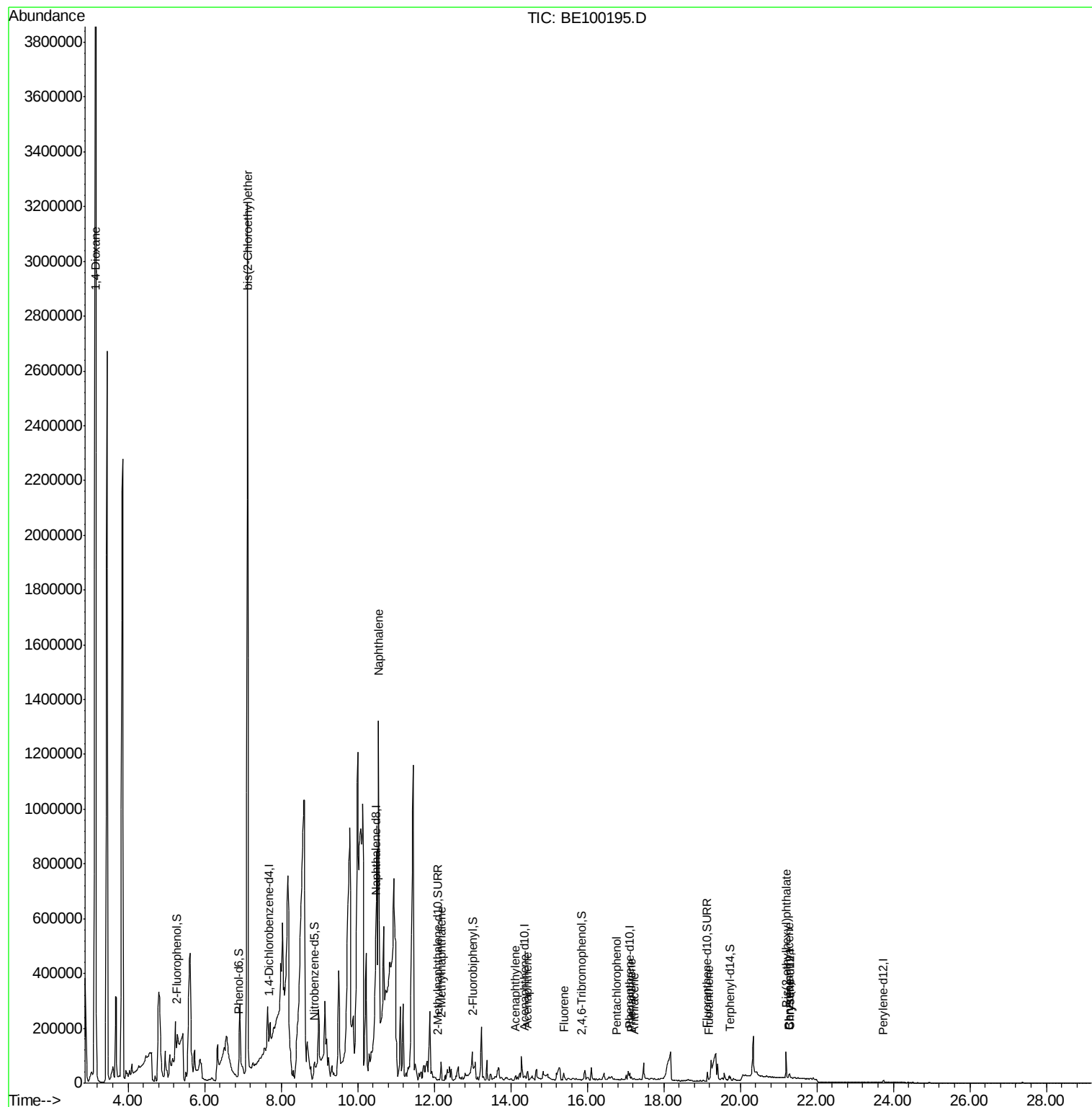
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	6173536	3354.539	ng	# 95
6) bis(2-Chloroethyl)ether	7.13	93	1404920	426.637	ng	# 87
9) Naphthalene	10.55	128	1907671	7.762	ng	# 96
12) 2-Methylnaphthalene	12.18	142	39492	0.998	ng	# 70
16) Acenaphthylene	14.13	152	991	0.067	ng	# 56
17) Acenaphthene	14.43	154	679	0.082	ng	# 43
18) Fluorene	15.41	166	1065	0.089	ng	# 66
22) Pentachlorophenol	16.77	266	202	0.358	ng	# 42
23) Phenanthrene	17.15	178	1038	0.043	ng	# 60
24) Anthracene	17.23	178	988	0.049	ng	# 29
26) Fluoranthene	19.17	202	1637	0.042	ng	# 66
30) Benzo(a)anthracene	21.27	228	1537	0.042	ng	# 1
31) Chrysene	21.27	228	1330	0.031	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.20	149	95633	2.247	ng	99

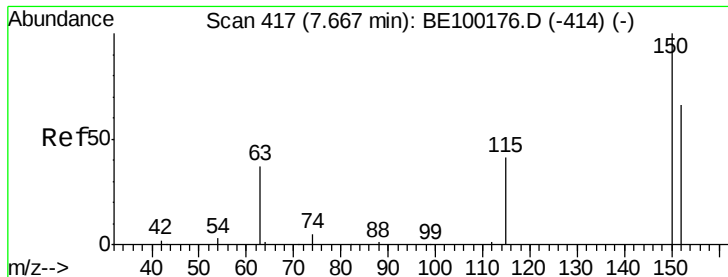
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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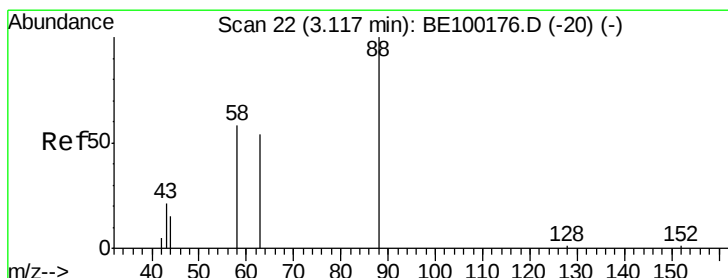
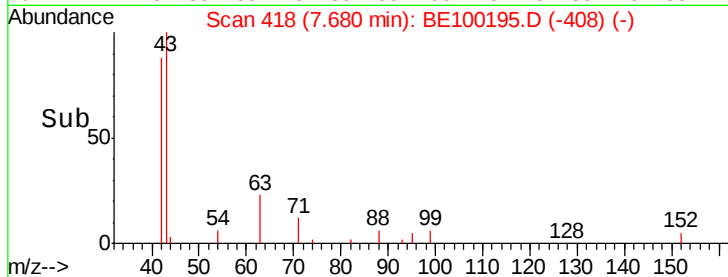
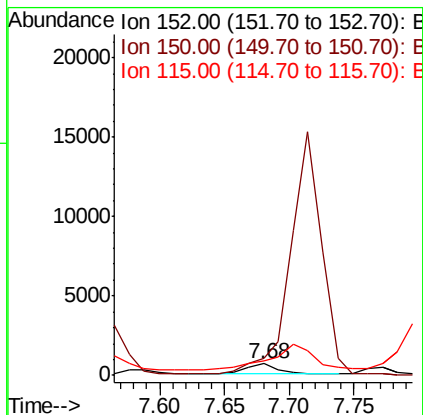
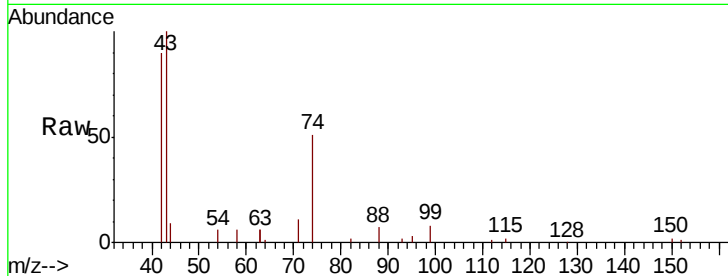


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 418
Delta R.T. 0.01 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Instrument :
BNA_E
ClientSampleId :
KY032MW006-190610RE

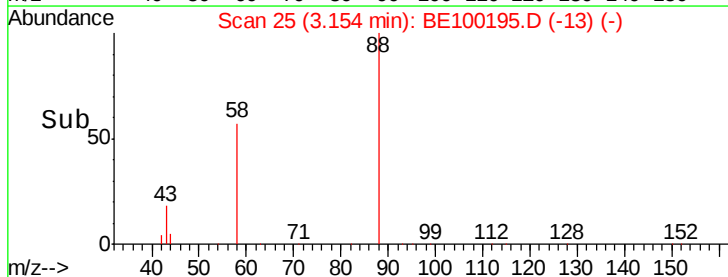
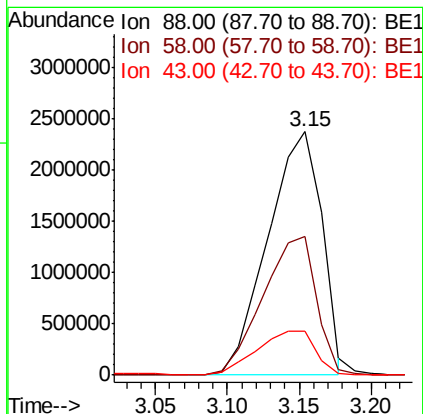
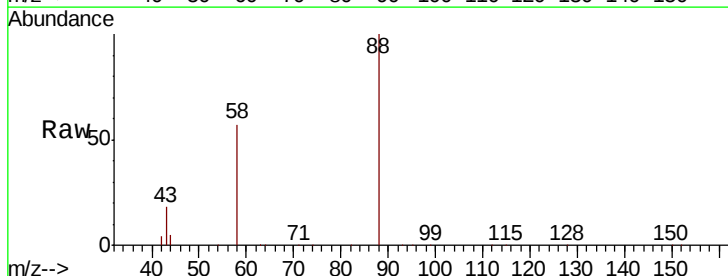
Tgt Ion:152 Resp: 1176
Ion Ratio Lower Upper
152 100
150 151.3 113.4 170.2
115 126.6 55.8 83.6#

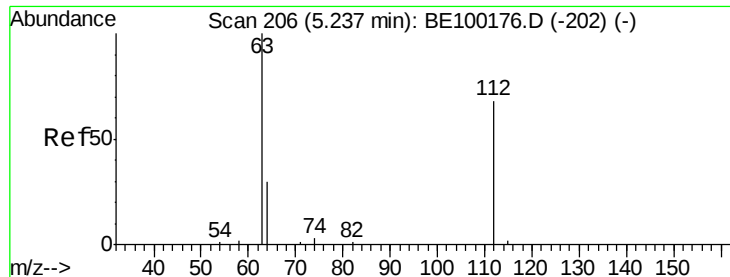


#2

1,4-Dioxane
Concen: 3354.539 ng
RT: 3.15 min Scan# 25
Delta R.T. 0.04 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Tgt Ion: 88 Resp: 6173536
Ion Ratio Lower Upper
88 100
58 56.5 43.8 65.6
43 19.3 19.4 29.2#





#4

2-Fluorophenol

Concen: 0.439 ng

RT: 5.27 min Scan# 209

Delta R.T. 0.04 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

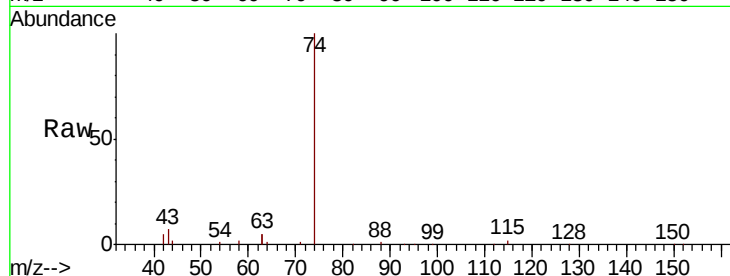
Tgt Ion: 112 Resp: 1149

Ion Ratio Lower Upper

112 100

64 0.0 40.7 61.1#

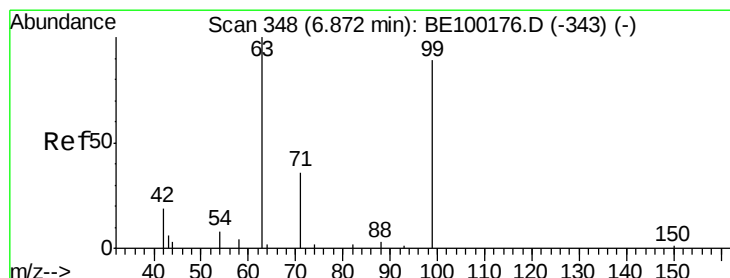
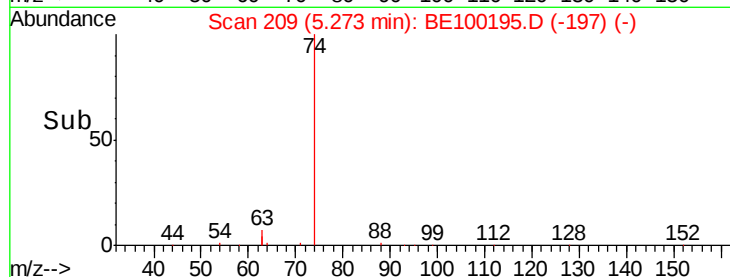
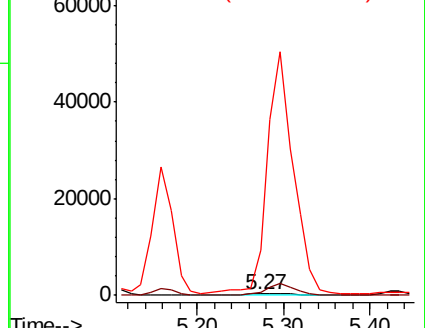
63 0.0 93.2 139.8#



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: 0.164 ng

RT: 6.90 min Scan# 350

Delta R.T. 0.02 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

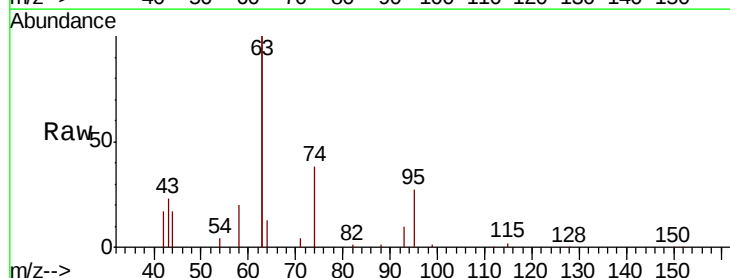
Tgt Ion: 99 Resp: 590

Ion Ratio Lower Upper

99 100

42 0.0 10.4 15.6#

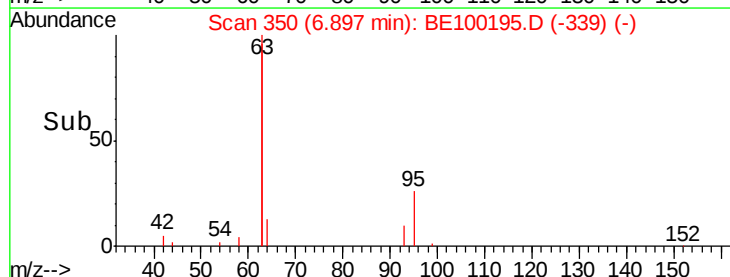
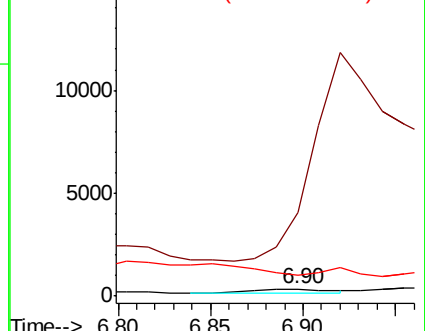
71 0.0 32.4 48.6#

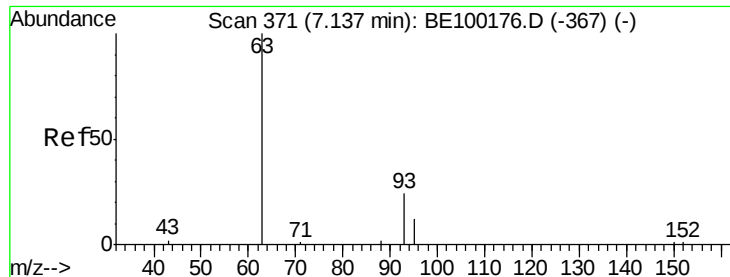


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 426.637 ng

RT: 7.13 min Scan# 370

Delta R.T. -0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

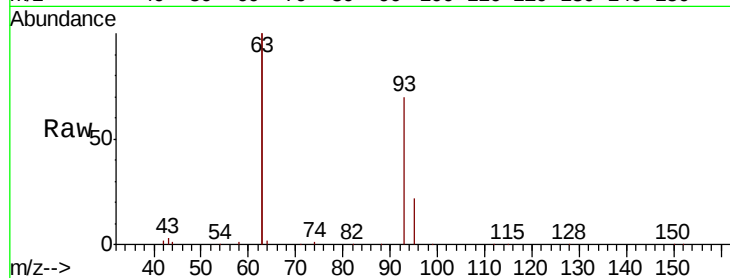
Tgt Ion: 93 Resp: 1404920

Ion Ratio Lower Upper

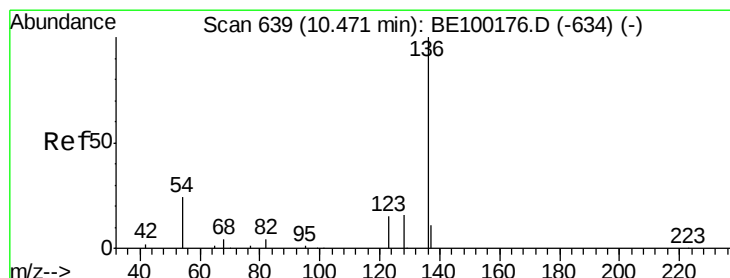
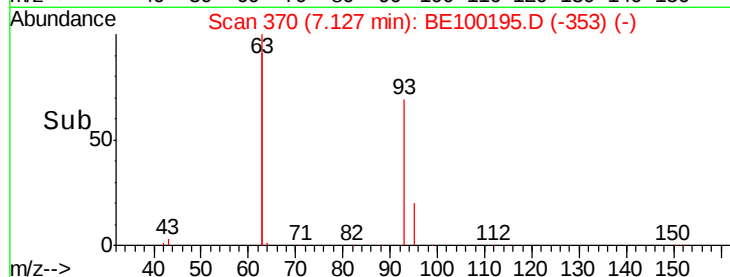
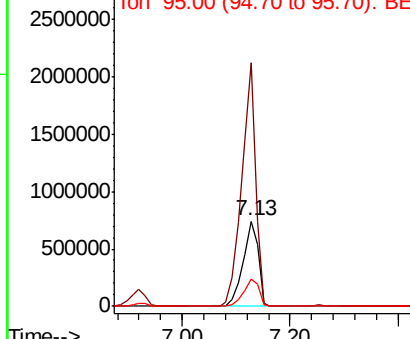
93 100

63 262.8 0.0 0.0#

95 32.8 21.0 31.6#



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: 10.47 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Tgt Ion: 136 Resp: 22520

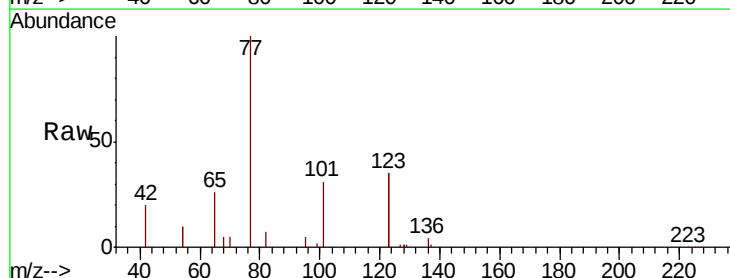
Ion Ratio Lower Upper

136 100

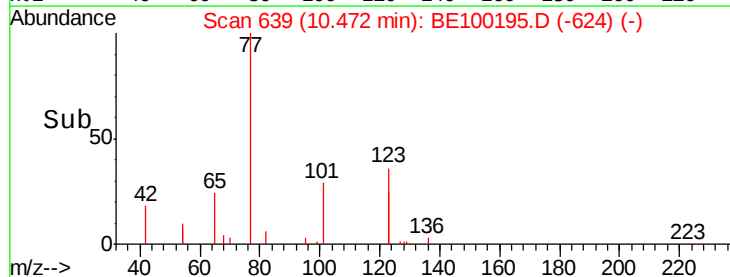
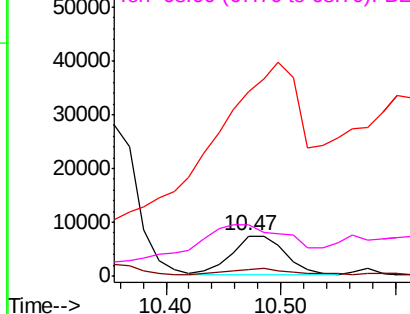
137 17.6 13.8 20.8

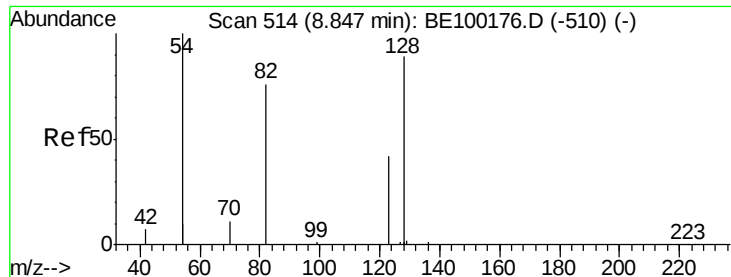
54 461.9 35.4 53.2#

68 127.4 8.8 13.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.135 ng

RT: 8.86 min Scan# 515

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

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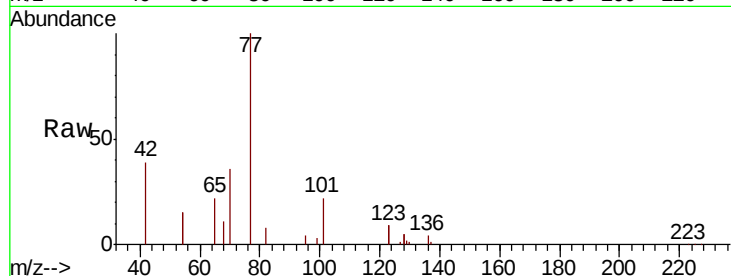
Tgt Ion: 82 Resp: 3024

Ion Ratio Lower Upper

82 100

128 121.9 144.6 217.0#

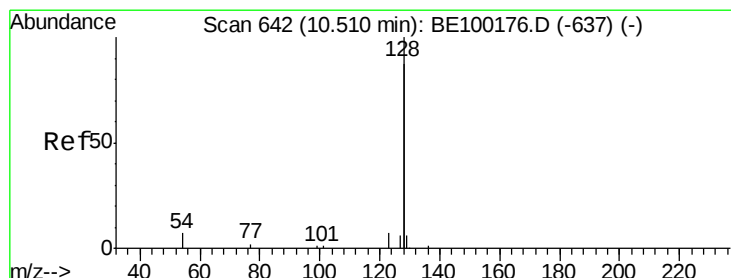
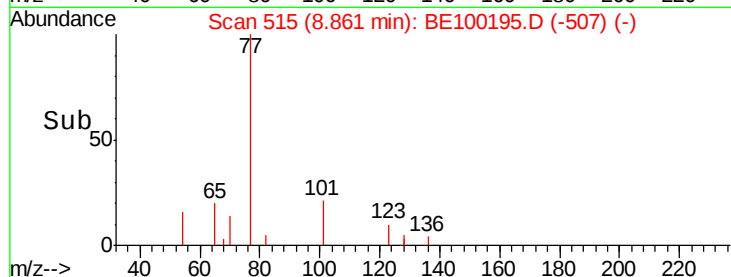
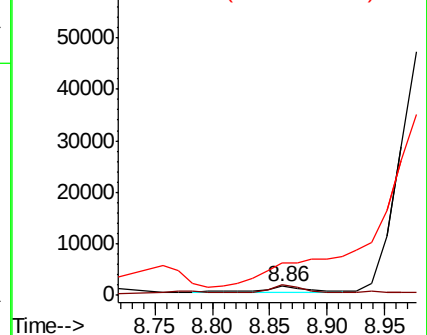
54 362.3 163.0 244.6#



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: 7.762 ng

RT: 10.55 min Scan# 645

Delta R.T. 0.04 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

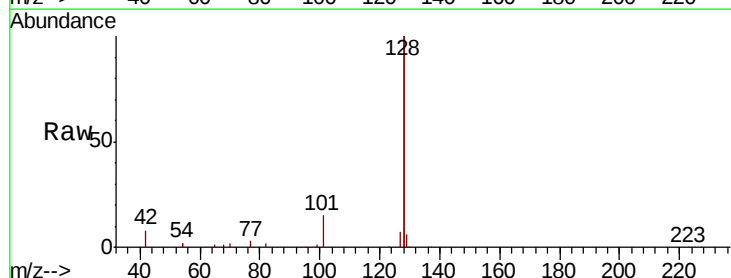
Tgt Ion: 128 Resp: 1907671

Ion Ratio Lower Upper

128 100

129 3.1 3.6 5.4#

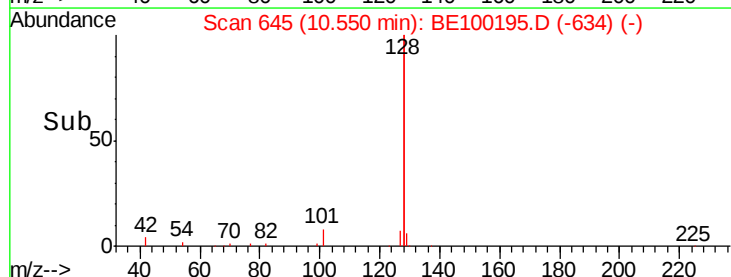
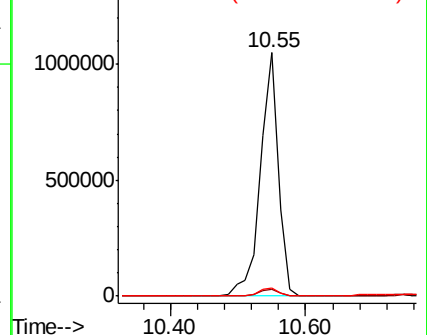
127 3.6 3.8 5.8#

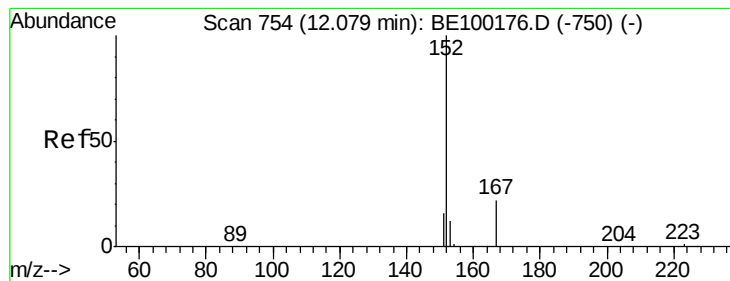


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.087 ng

RT: 12.09 min Scan# 755

Delta R.T. 0.02 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

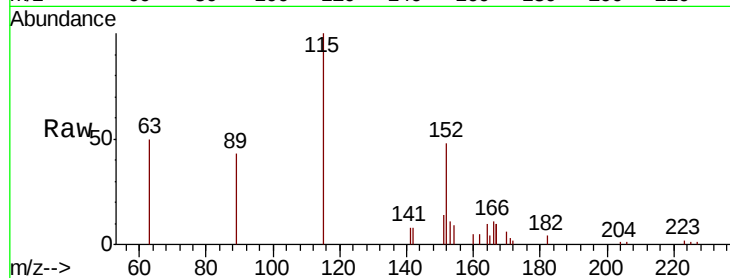
KY032MW006-190610RE

Tgt Ion:152 Resp: 3661

Ion Ratio Lower Upper

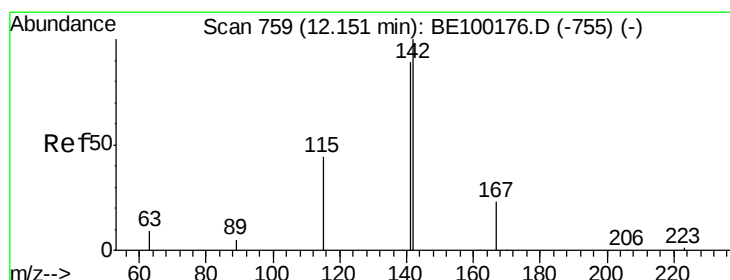
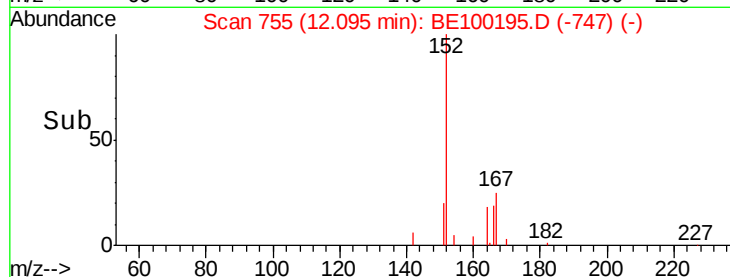
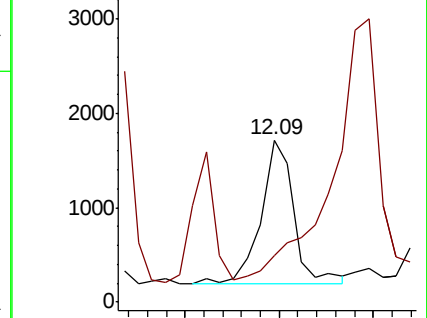
152 100

151 0.0 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: 0.998 ng

RT: 12.18 min Scan# 761

Delta R.T. 0.03 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

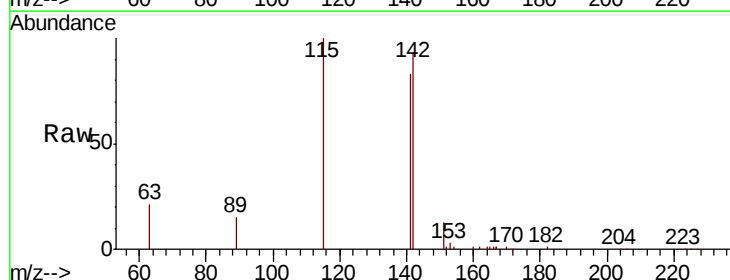
Tgt Ion:142 Resp: 39492

Ion Ratio Lower Upper

142 100

141 88.9 71.8 107.8

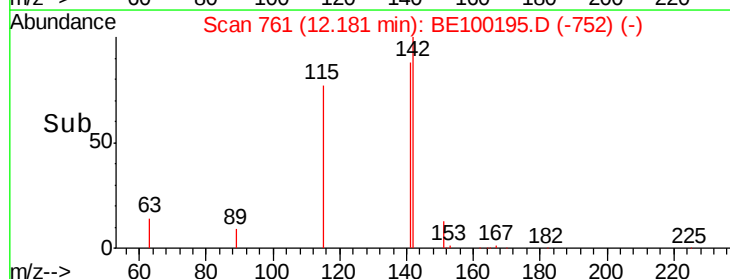
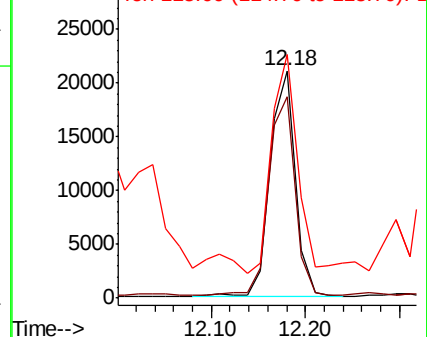
115 107.3 40.4 60.6#

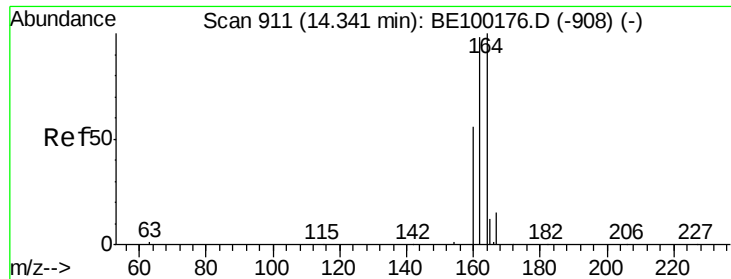


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

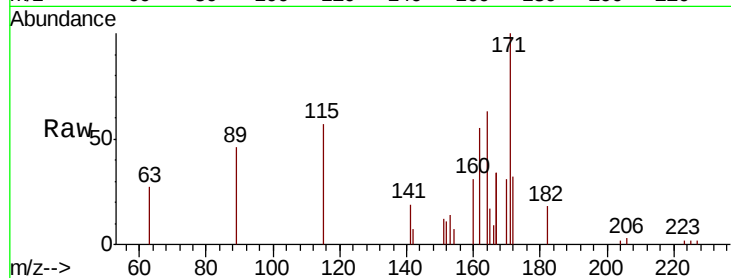




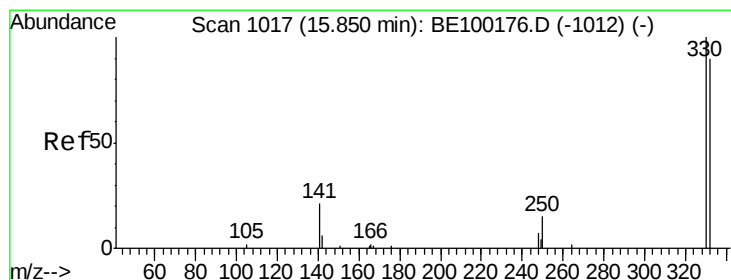
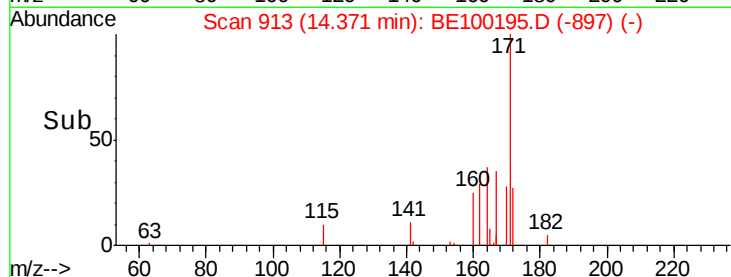
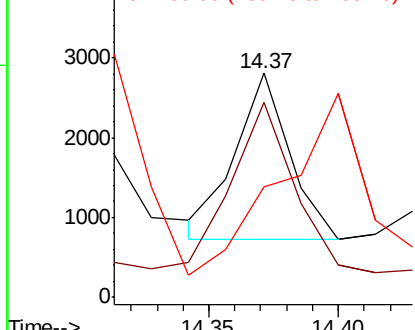
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.37 min Scan# 913
Delta R.T. 0.03 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Instrument :
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ClientSampleId :
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Tgt Ion:164 Resp: 3013
Ion Ratio Lower Upper
164 100
162 87.1 78.6 118.0
160 49.0 46.9 70.3

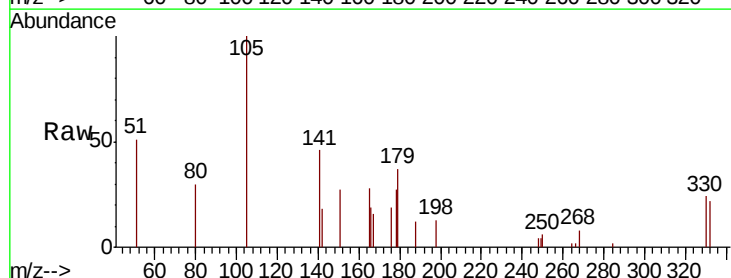


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

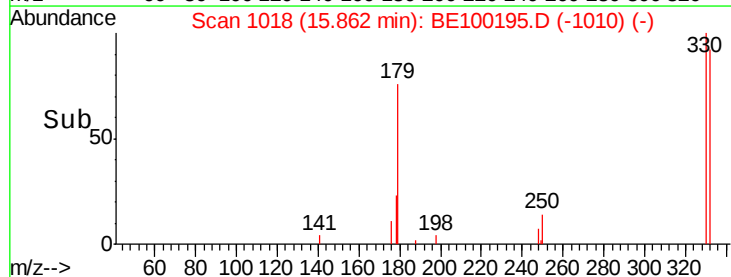
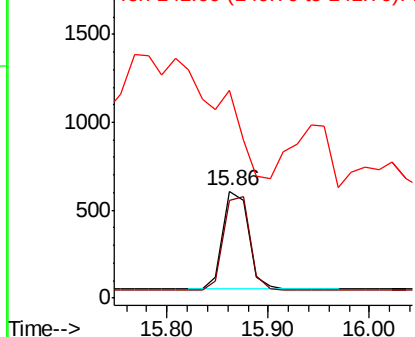


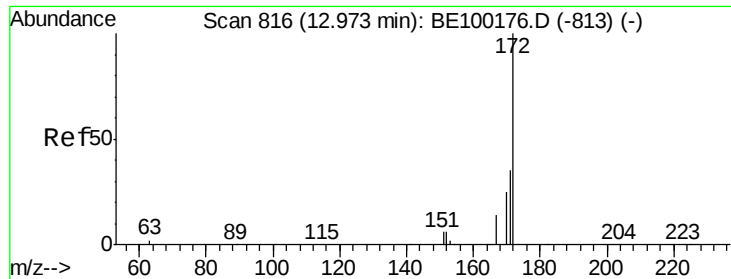
#14
2,4,6-Tribromophenol
Concen: 0.568 ng
RT: 15.86 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Tgt Ion:330 Resp: 991
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 0.0 18.9 28.3#



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

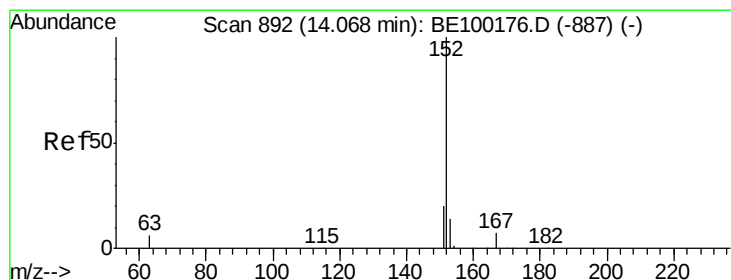
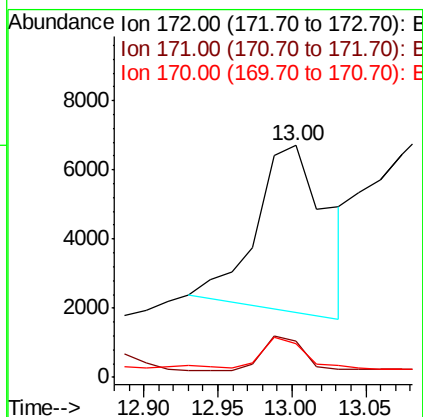
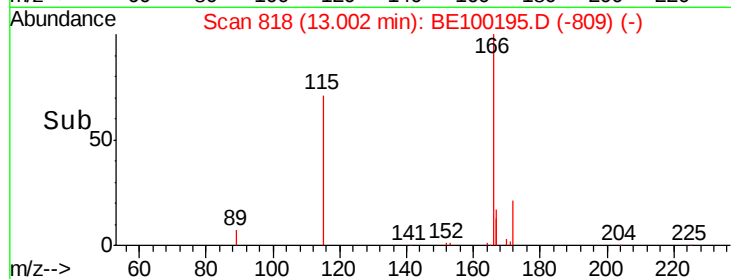
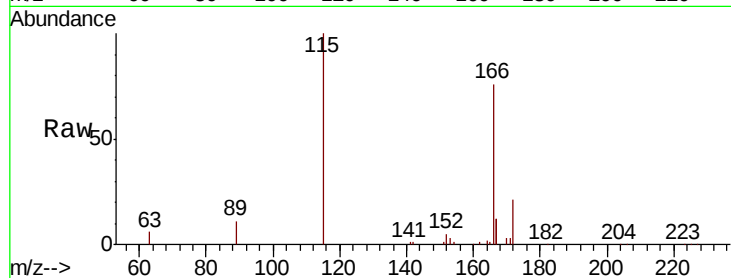




#15
2-Fluorobiphenyl
Concen: 1.308 ng
RT: 13.00 min Scan# 818
Delta R.T. 0.03 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

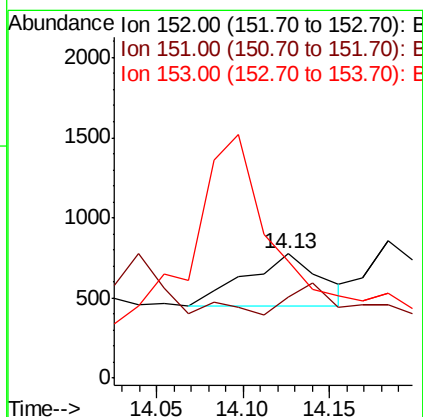
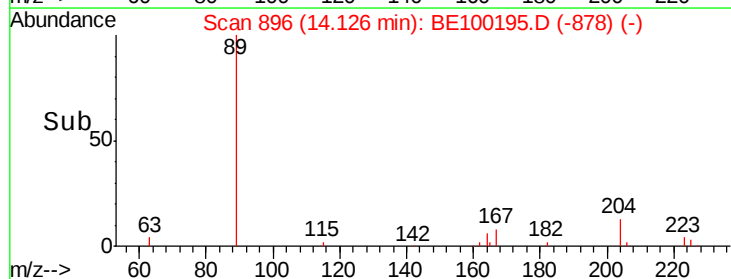
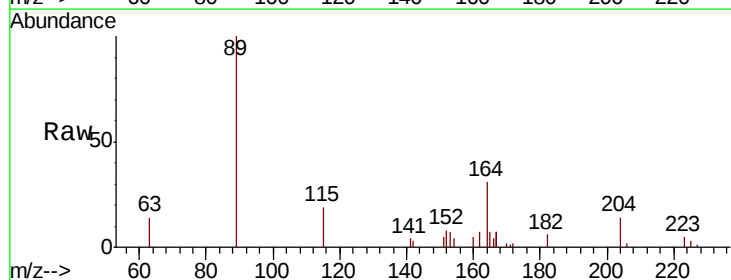
Instrument :
BNA_E
ClientSampleId :
KY032MW006-190610RE

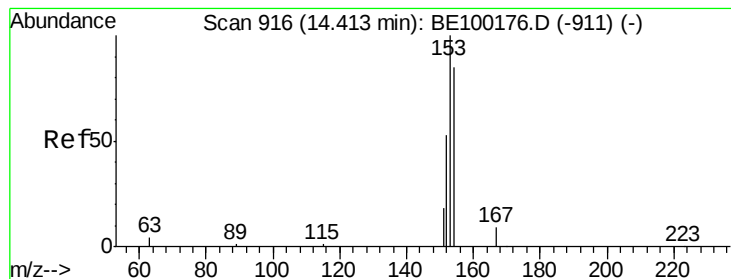
Tgt Ion:172 Resp: 15802
Ion Ratio Lower Upper
172 100
171 15.8 31.0 46.4#
170 14.7 23.9 35.9#



#16
Acenaphthylene
Concen: 0.067 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.06 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Tgt Ion:152 Resp: 991
Ion Ratio Lower Upper
152 100
151 42.3 15.4 23.0#
153 0.0 10.8 16.2#





#17

Acenaphthene

Concen: 0.082 ng

RT: 14.43 min Scan# 917

Delta R.T. 0.02 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

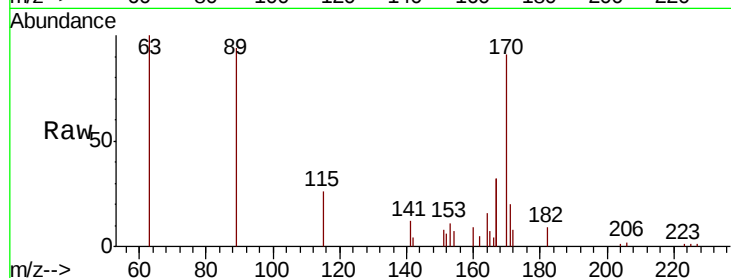
Tgt Ion:154 Resp: 679

Ion Ratio Lower Upper

154 100

153 166.9 95.3 142.9#

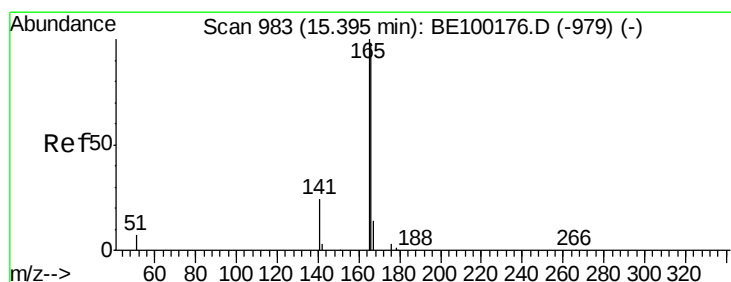
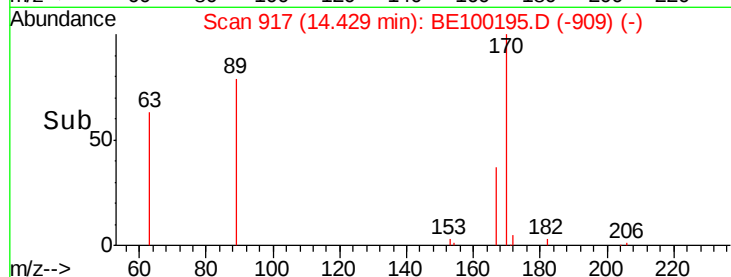
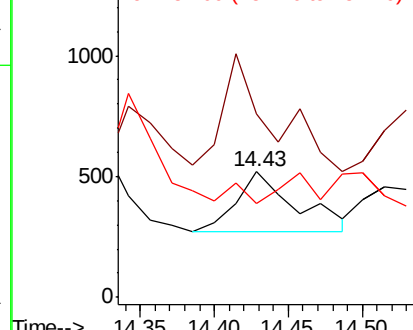
152 0.0 52.9 79.3#



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: 0.089 ng

RT: 15.41 min Scan# 984

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

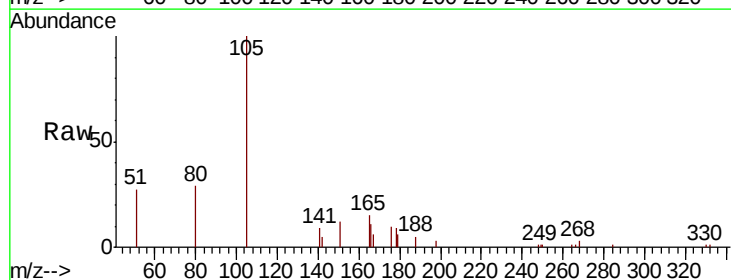
Tgt Ion:166 Resp: 1065

Ion Ratio Lower Upper

166 100

165 134.8 81.0 121.4#

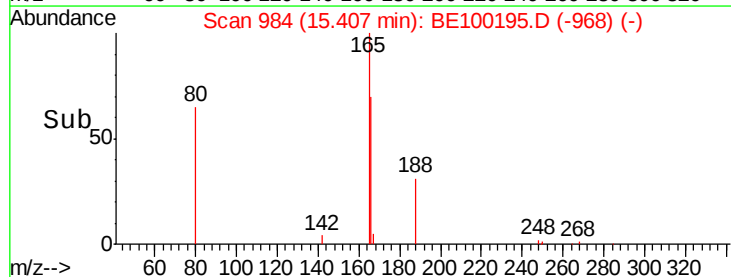
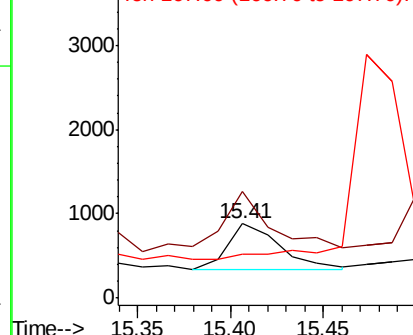
167 0.0 11.4 17.0#

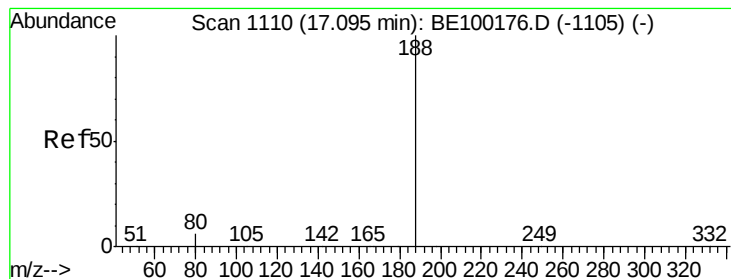


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.11 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

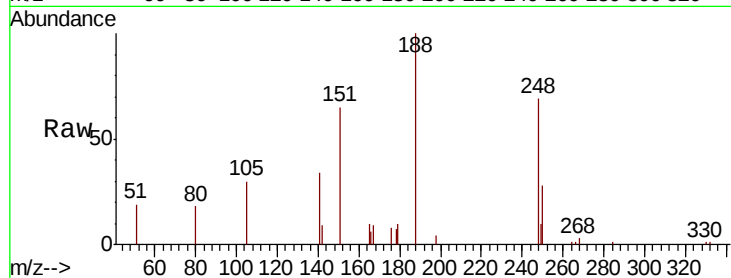
Tgt Ion:188 Resp: 10175

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

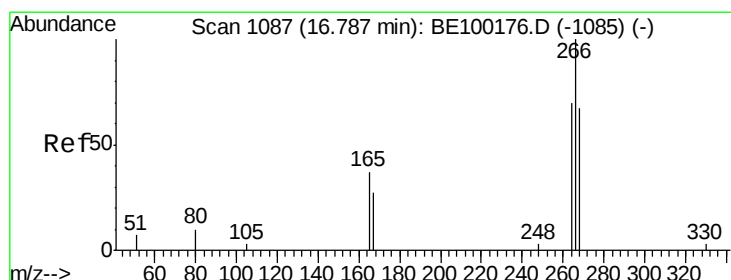
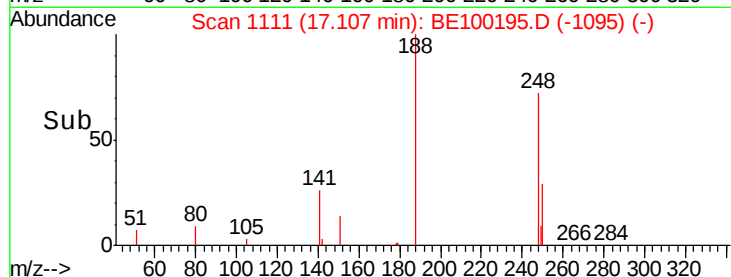
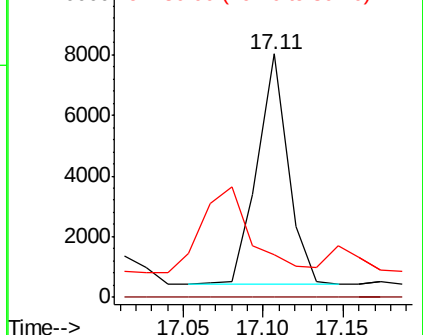
80 17.7 6.4 9.6#



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: 0.358 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

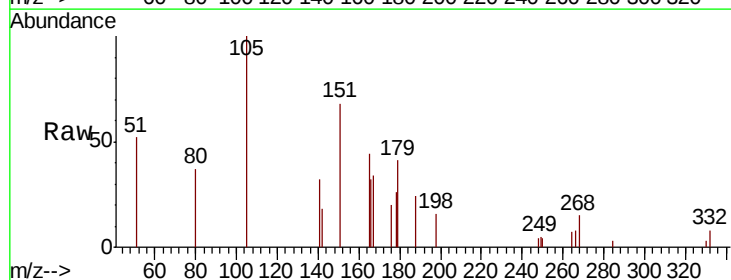
Tgt Ion:266 Resp: 202

Ion Ratio Lower Upper

266 100

264 83.7 67.7 101.5

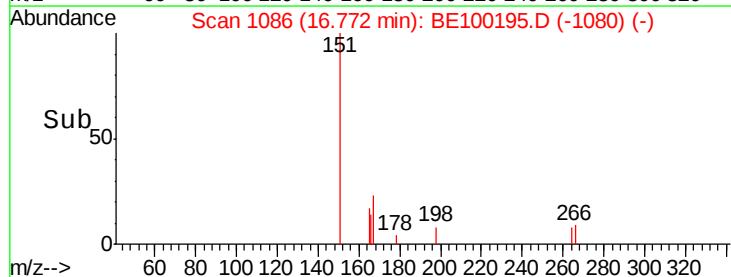
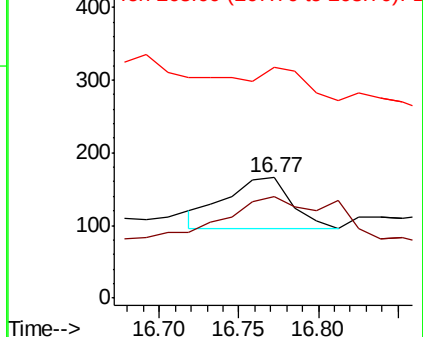
268 191.6 69.8 104.6#

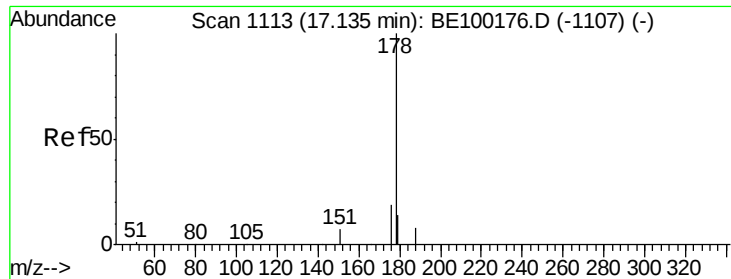


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

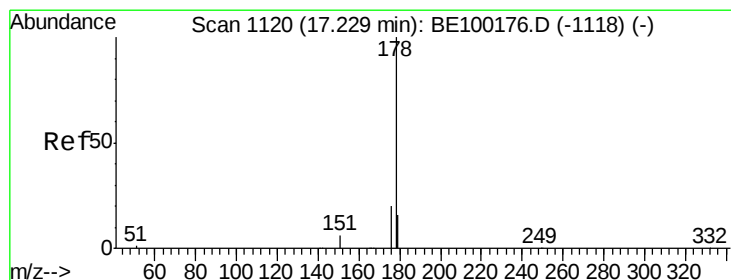
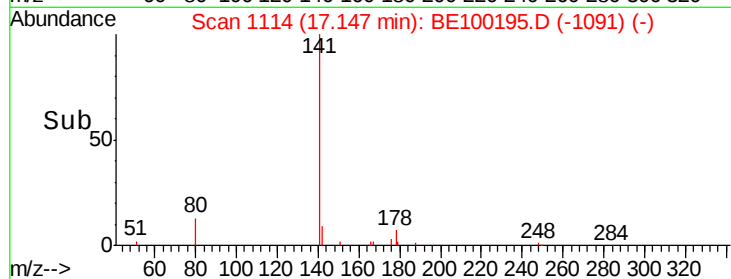
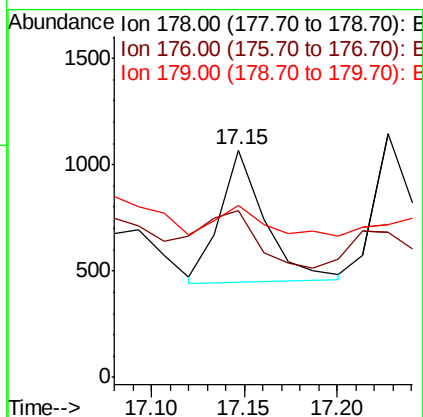
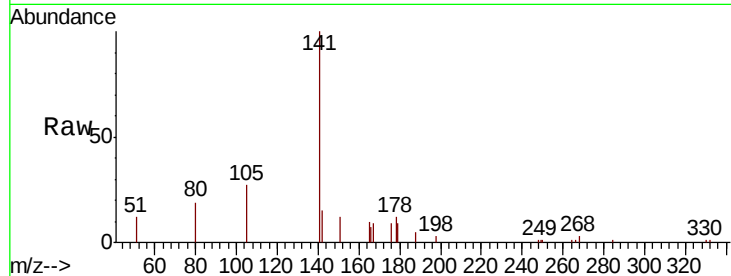




#23
Phenanthrene
Concen: 0.043 ng
RT: 17.15 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

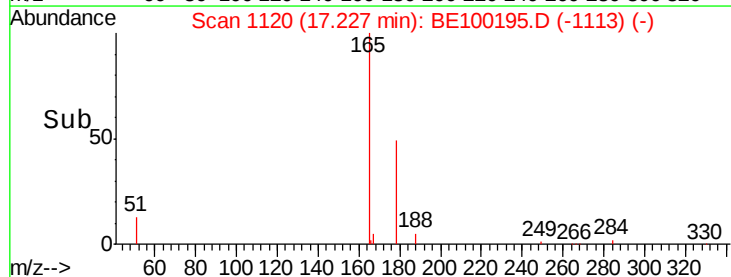
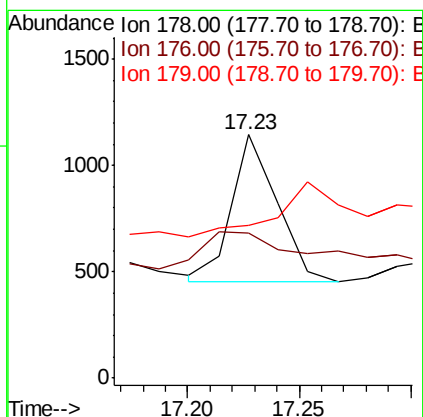
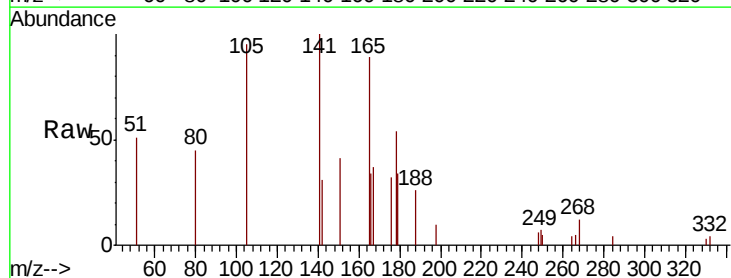
Instrument :
BNA_E
ClientSampleId :
KY032MW006-190610RE

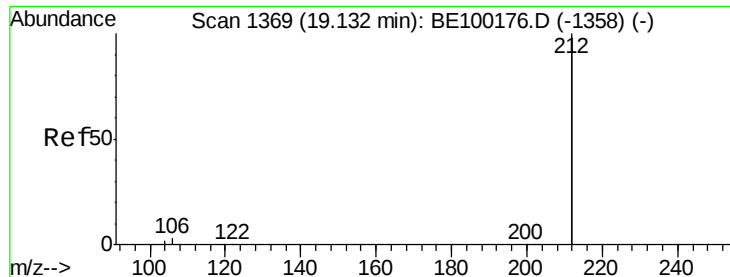
Tgt Ion:178 Resp: 1038
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 12.2 18.2#



#24
Anthracene
Concen: 0.049 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100195.D
Acq: 26 Jun 2019 15:39

Tgt Ion:178 Resp: 988
Ion Ratio Lower Upper
178 100
176 64.4 15.7 23.5#
179 0.0 12.9 19.3#





#25

Fluoranthene-d10

Concen: 0.277 ng

RT: 19.14 min Scan# 1370

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

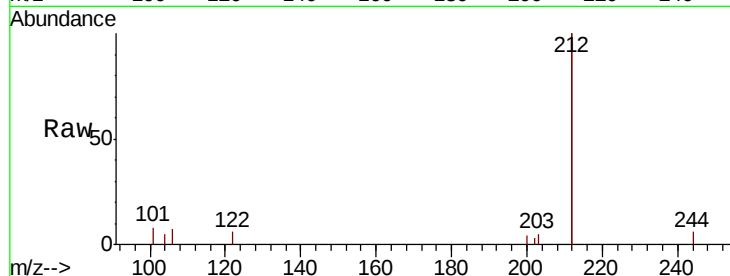
Tgt Ion:212 Resp: 40630

Ion Ratio Lower Upper

212 100

106 0.0 1.3 1.9#

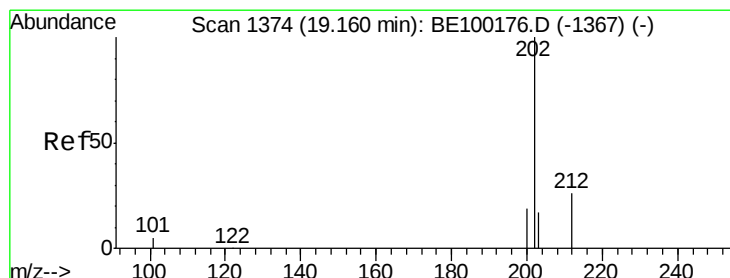
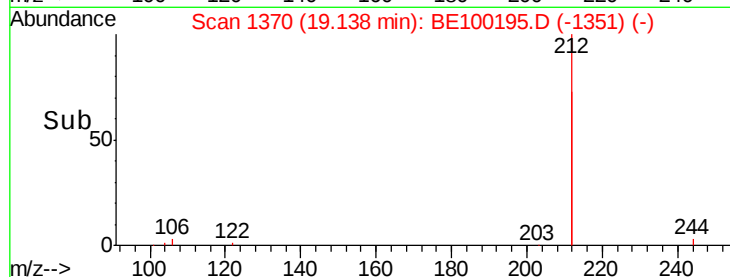
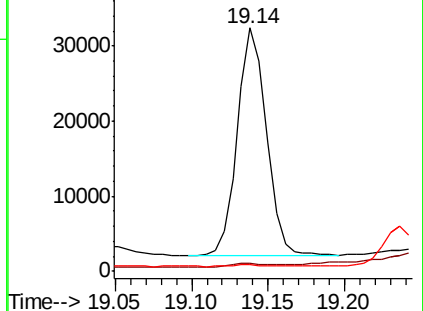
104 0.9 0.7 1.1



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: 0.042 ng

RT: 19.17 min Scan# 1375

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

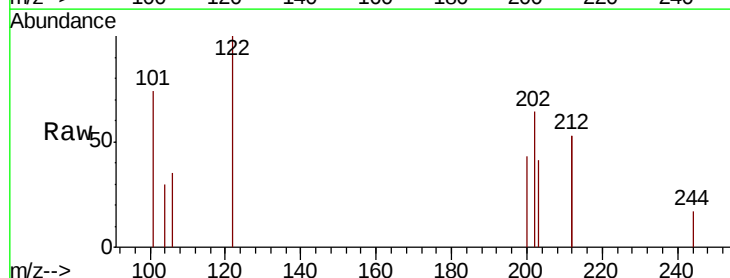
Tgt Ion:202 Resp: 1637

Ion Ratio Lower Upper

202 100

101 0.0 4.5 6.7#

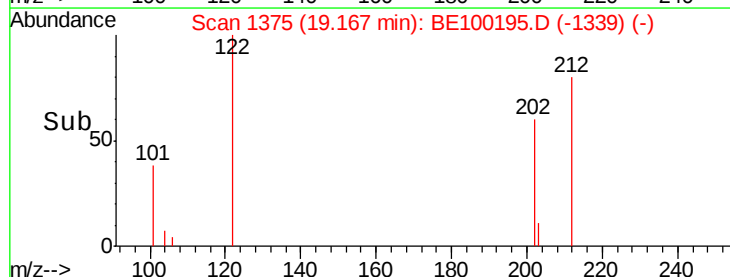
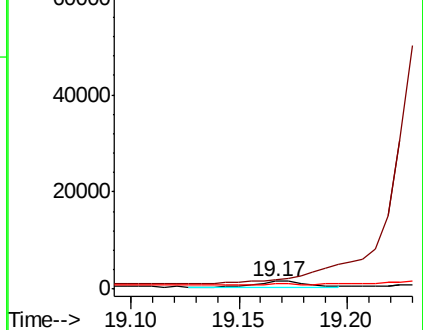
203 0.0 13.7 20.5#

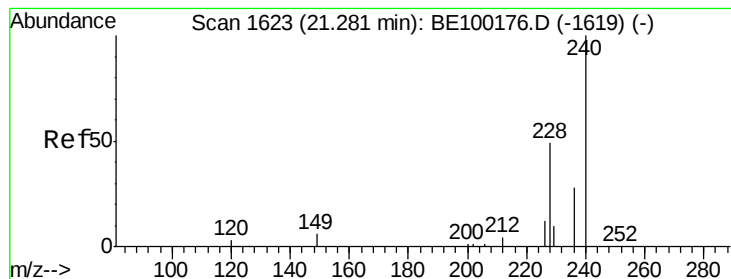


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.29 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

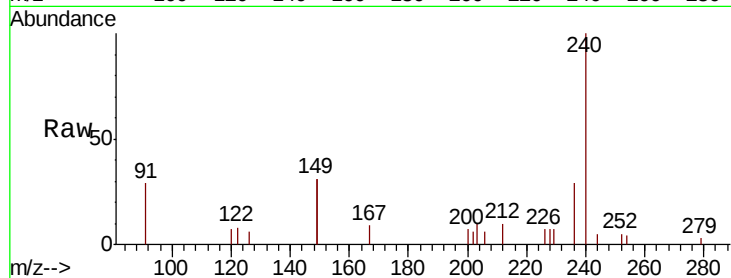
Tgt Ion:240 Resp: 12561

Ion Ratio Lower Upper

240 100

120 6.7 4.1 6.1#

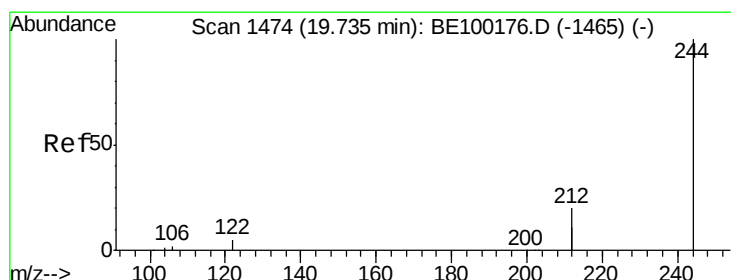
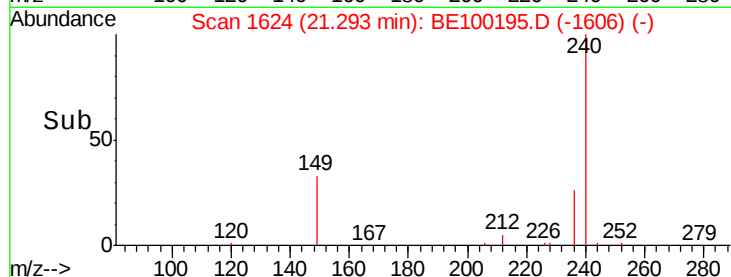
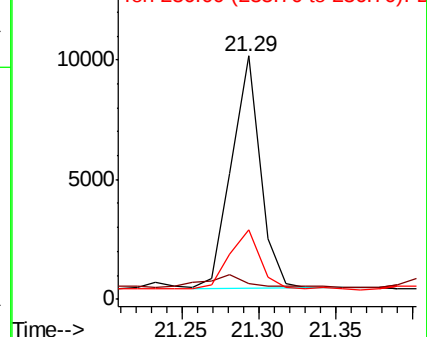
236 28.8 23.0 34.6



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: 0.450 ng

RT: 19.74 min Scan# 1475

Delta R.T. 0.01 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

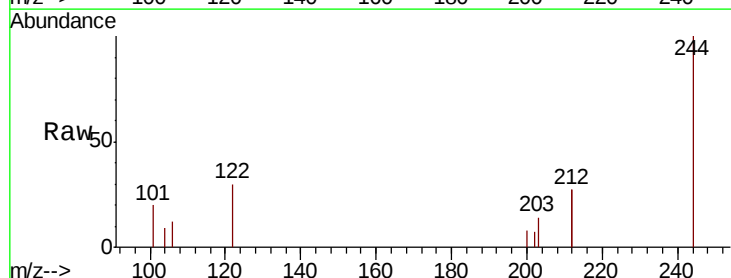
Tgt Ion:244 Resp: 11106

Ion Ratio Lower Upper

244 100

212 54.3 30.7 46.1#

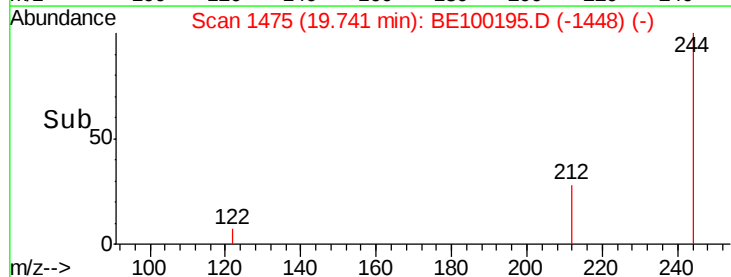
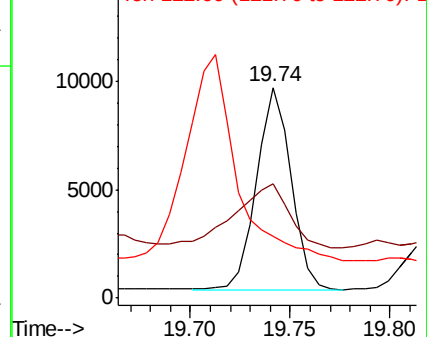
122 29.6 5.8 8.6#

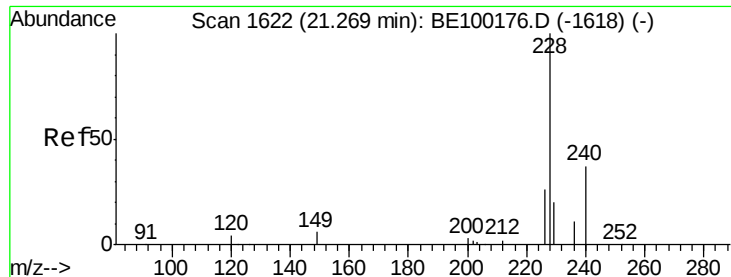


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

Instrument :

BNA_E

ClientSampleId :

KY032MW006-190610RE

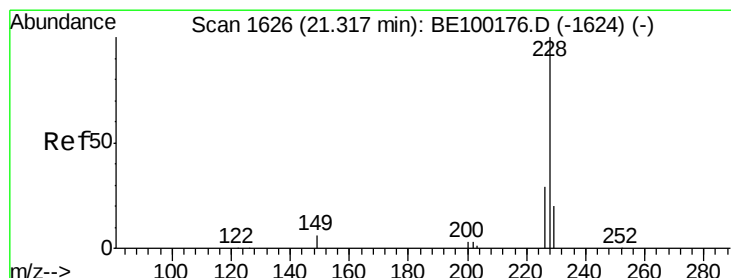
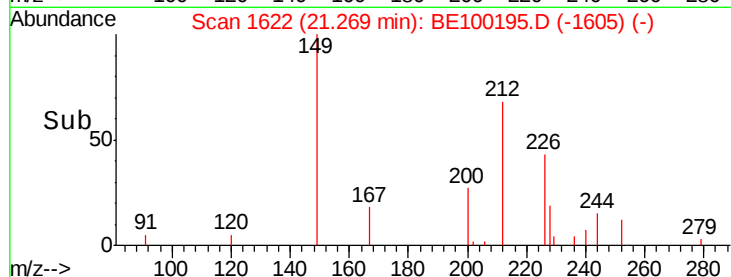
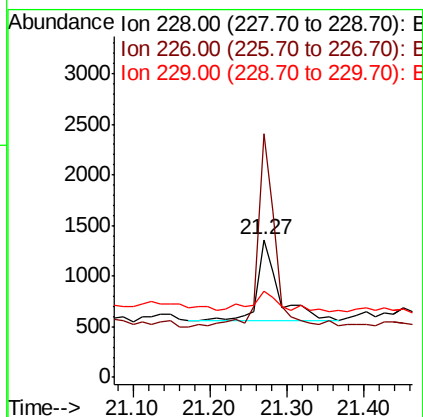
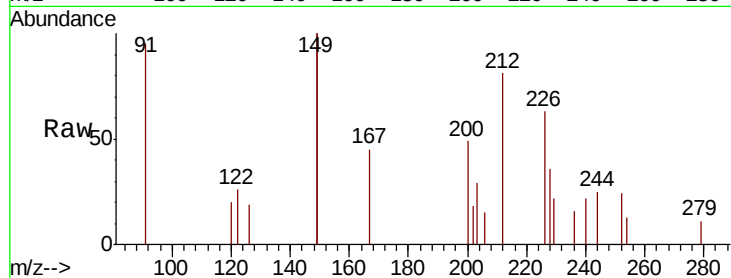
Tgt Ion:228 Resp: 1537

Ion Ratio Lower Upper

228 100

226 177.2 21.5 32.3#

229 62.7 17.2 25.8#



#31

Chrysene

Concen: 0.031 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.05 min

Lab File: BE100195.D

Acq: 26 Jun 2019 15:39

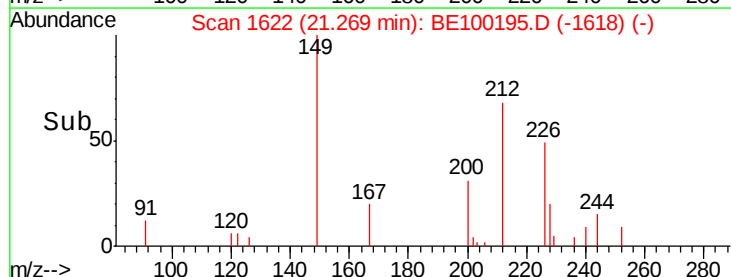
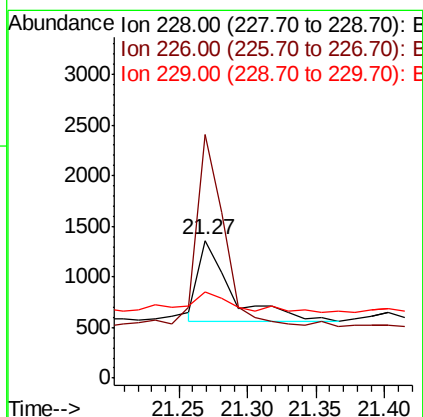
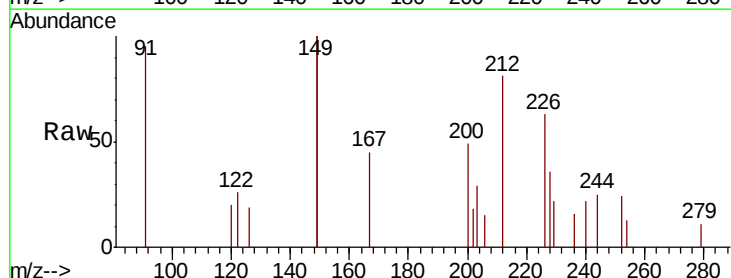
Tgt Ion:228 Resp: 1330

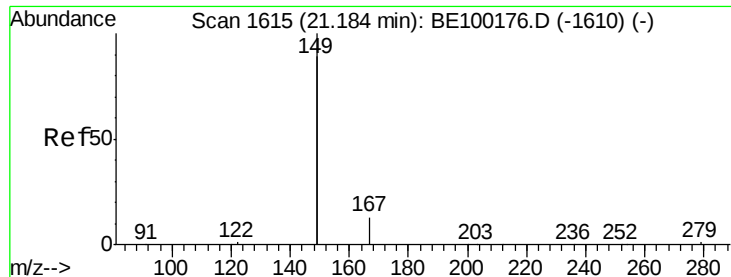
Ion Ratio Lower Upper

228 100

226 177.2 23.7 35.5#

229 62.7 16.5 24.7#

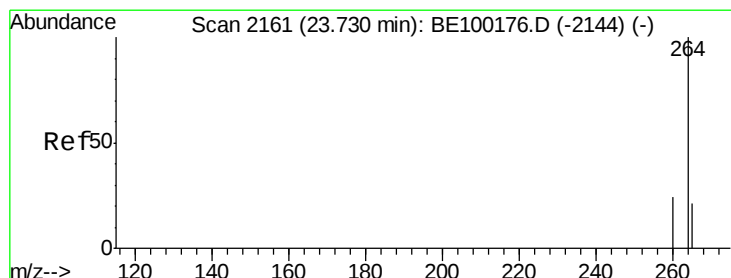
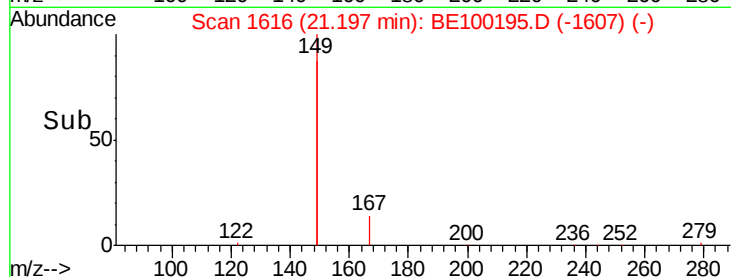
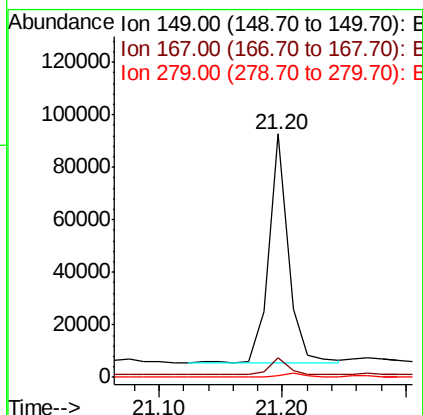
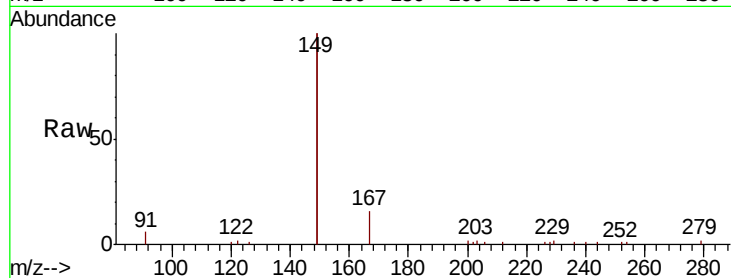




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.247 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. 0.01 min
 Lab File: BE100195.D
 Acq: 26 Jun 2019 15:39

Instrument :
 BNA_E
 ClientSampleId :
 KY032MW006-190610RE

Tgt Ion:149 Resp: 95633
 Ion Ratio Lower Upper
 149 100
 167 7.1 5.9 8.9
 279 1.4 1.0 1.6



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.73 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: BE100195.D
 Acq: 26 Jun 2019 15:39

Tgt Ion:264 Resp: 13529
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.4 30.6
 265 29.1 22.5 33.7

