

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100686.D
 Acq On : 28 Oct 2019 22:45
 Operator : JU
 Sample : K5546-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 11:54:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	2477	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	10465	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	6619	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16209	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	23139	0.40	ng	0.00
34) Perylene-d12	23.82	264	26198	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	3070	0.40	ng	0.00
5) Phenol-d6	7.01	99	3196	0.30	ng	0.00
8) Nitrobenzene-d5	8.99	82	4161	0.64	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8459	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1171	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12114	0.50	ng	0.00
25) Fluoranthene-d10	19.21	212	130199	0.62	ng	0.00
29) Terphenyl-d14	19.82	244	33213	0.66	ng	0.00

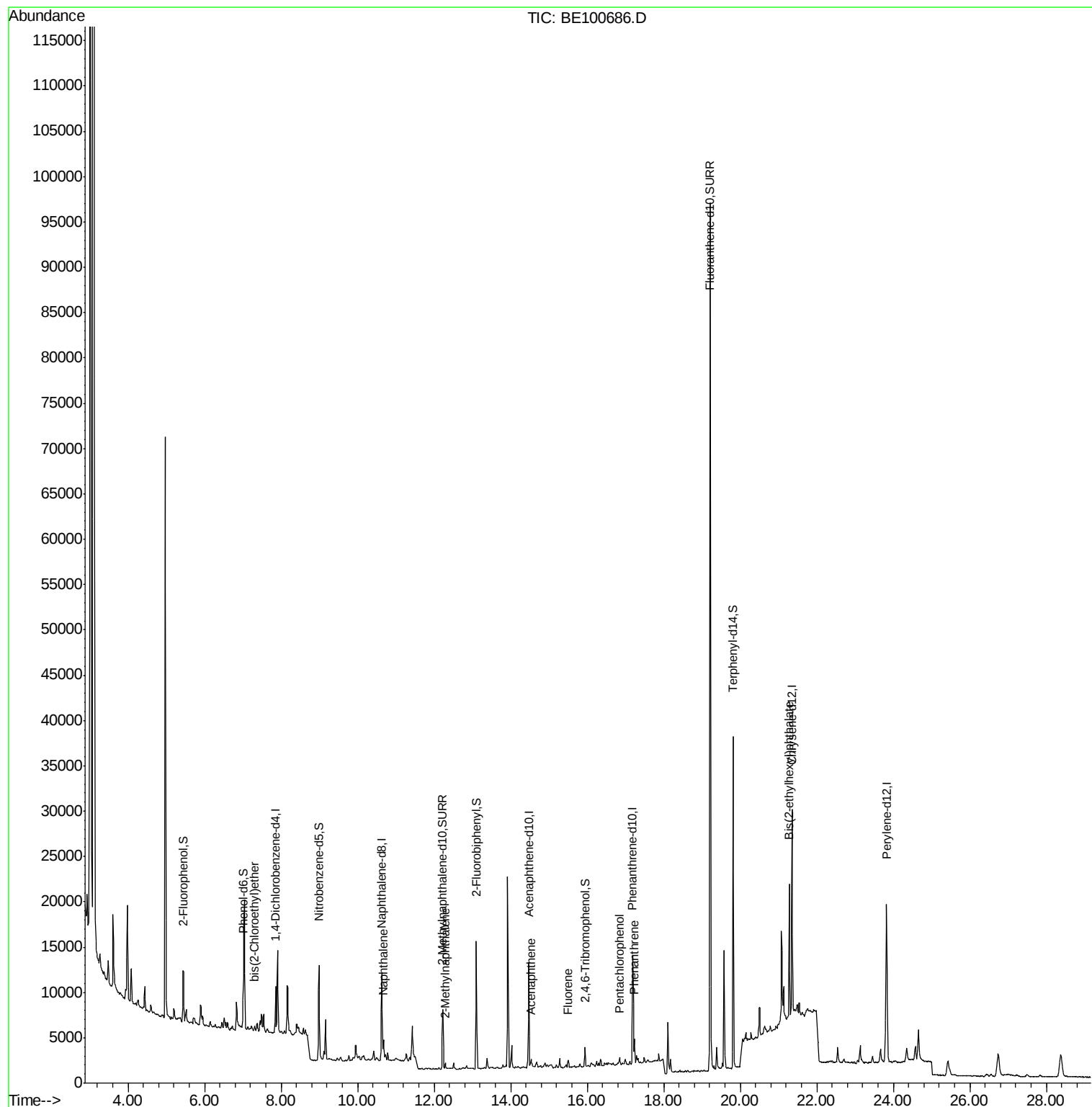
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.30	93	367	0.041	ng	# 1
9) Naphthalene	10.68	128	3467	0.032	ng	# 93
12) 2-Methylnaphthalene	12.30	142	472	0.025	ng	# 88
17) Acenaphthene	14.53	154	465	0.025	ng	94
18) Fluorene	15.50	166	652	0.027	ng	95
22) Pentachlorophenol	16.84	266	714	0.282	ng	# 42
23) Phenanthrene	17.23	178	3093	0.069	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.28	149	16698	0.106	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

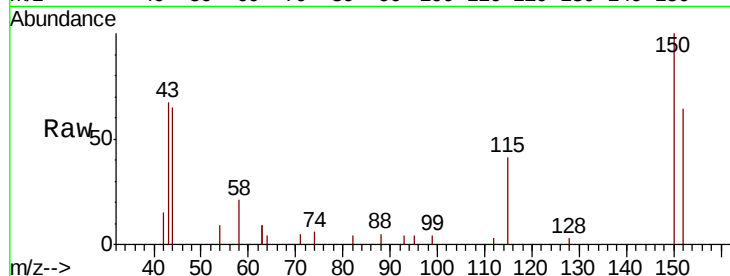
Tot Ion:152 Resp: 2477

Ion Ratio Lower Upper

152 100

150 156.4 123.3 184.9

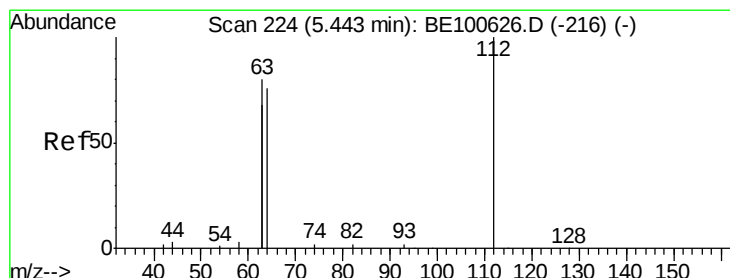
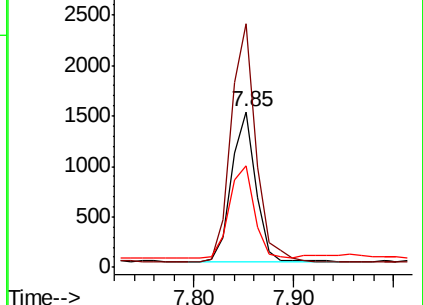
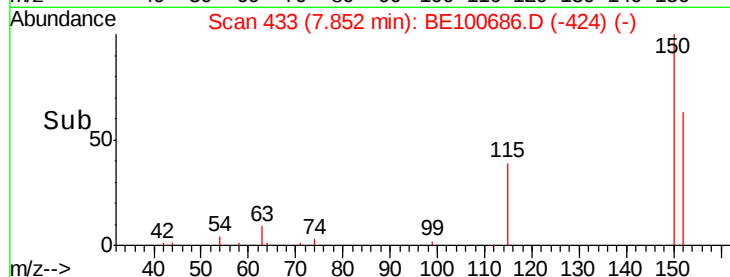
115 64.9 51.9 77.9



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



#4

2-Fluorophenol

Concen: 0.401 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

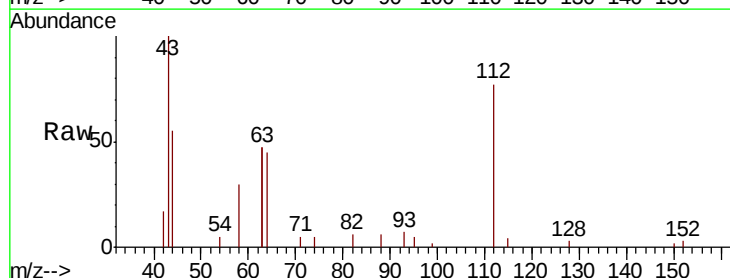
Tgt Ion:112 Resp: 3070

Ion Ratio Lower Upper

112 100

64 73.2 55.4 83.2

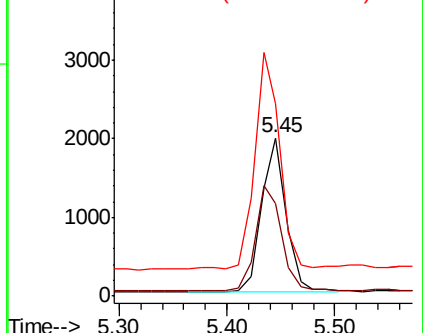
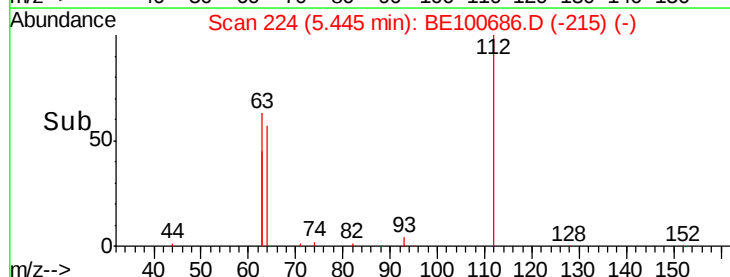
63 144.6 114.2 171.4

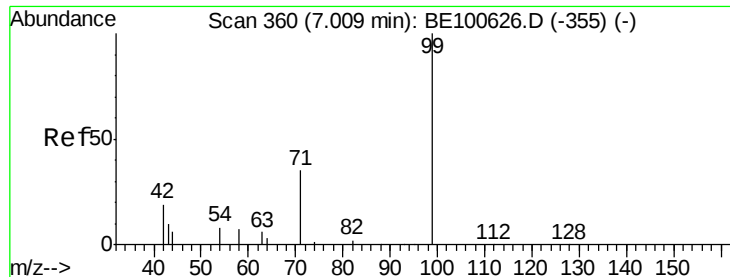


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.296 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampled :

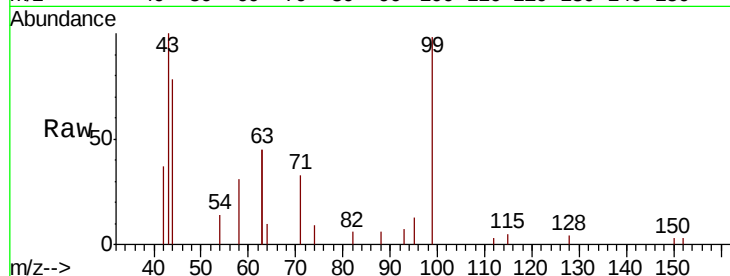
Tot Ion: 99 Resp: 3196

Ion Ratio Lower Upper

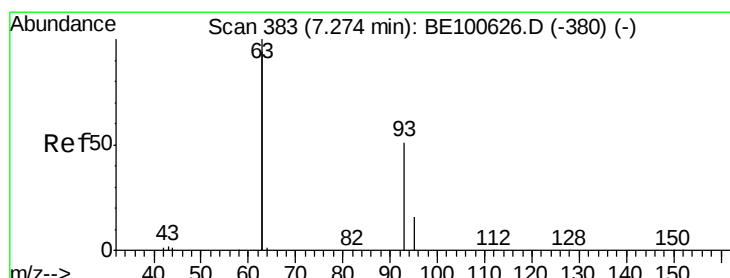
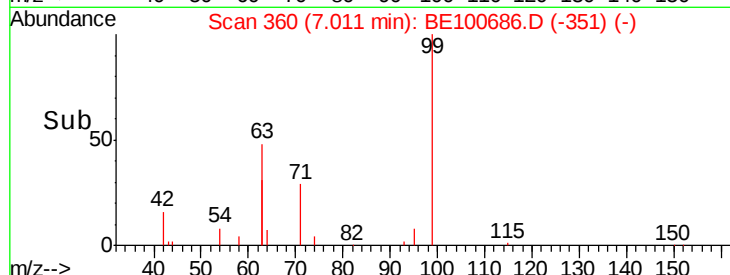
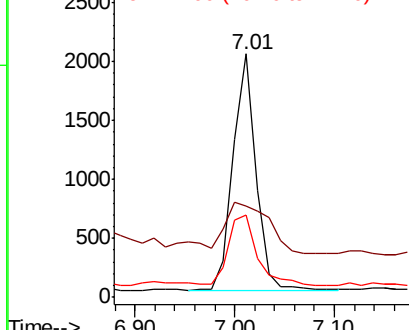
99 100

42 40.1 17.7 26.5#

71 38.7 27.4 41.0



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: 0.041 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.03 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

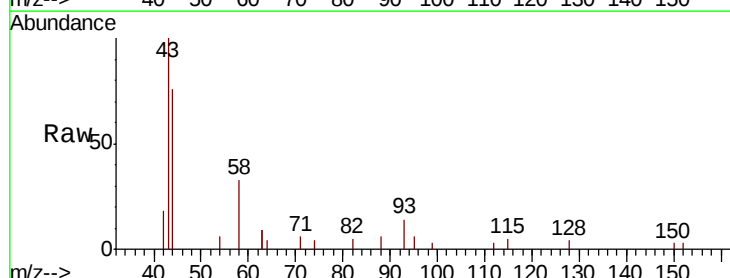
Tgt Ion: 93 Resp: 367

Ion Ratio Lower Upper

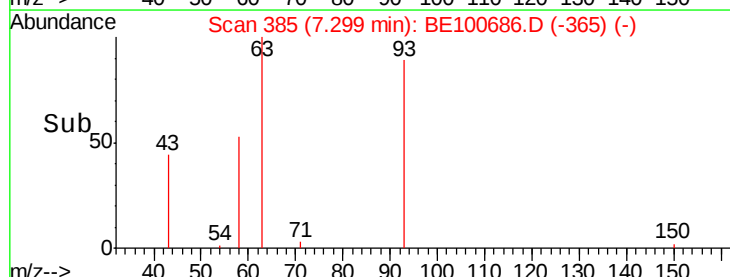
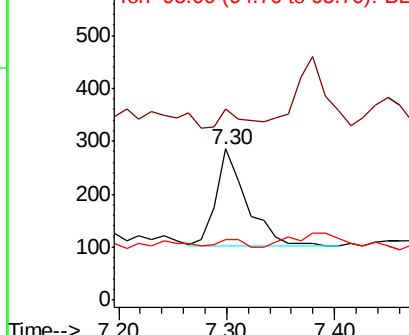
93 100

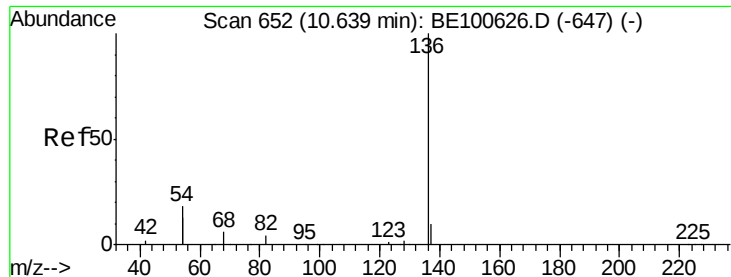
63 16.1 268.8 403.2#

95 6.3 25.6 38.4#



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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 10465

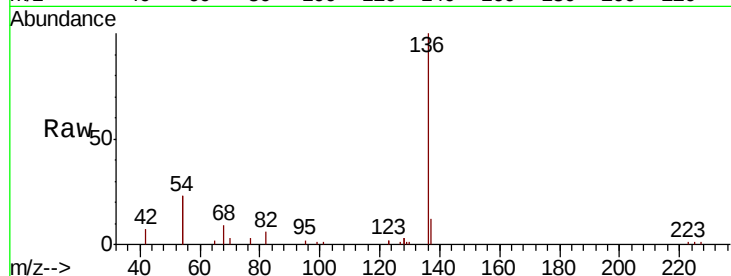
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 45.3 39.4 59.2

68 9.1 8.0 12.0

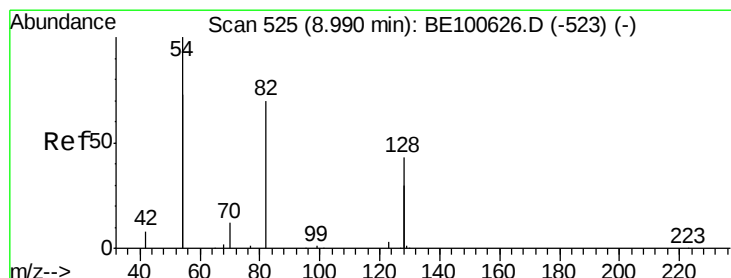
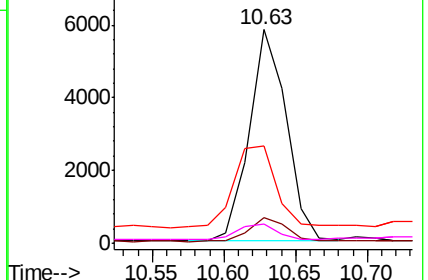
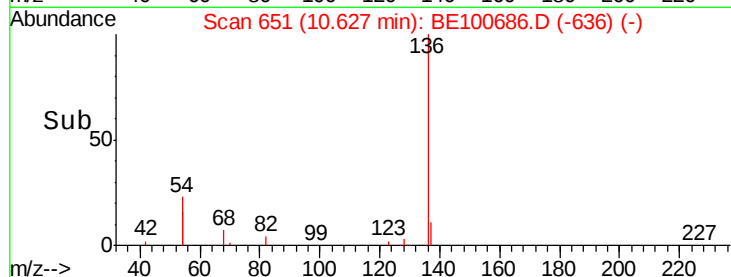


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.641 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

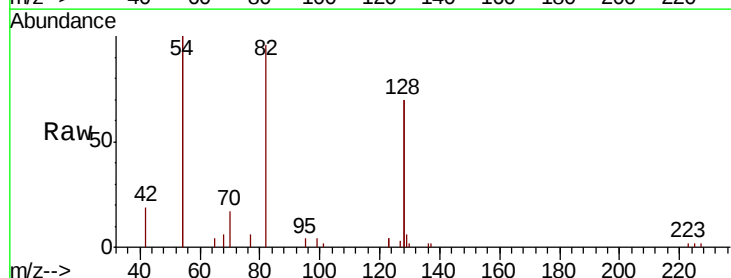
Tgt Ion: 82 Resp: 4161

Ion Ratio Lower Upper

82 100

128 145.7 107.8 161.8

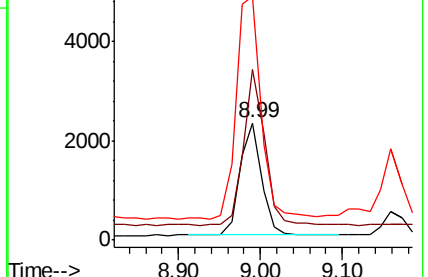
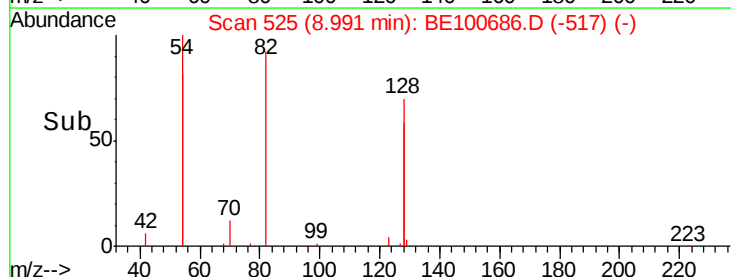
54 208.0 166.1 249.1

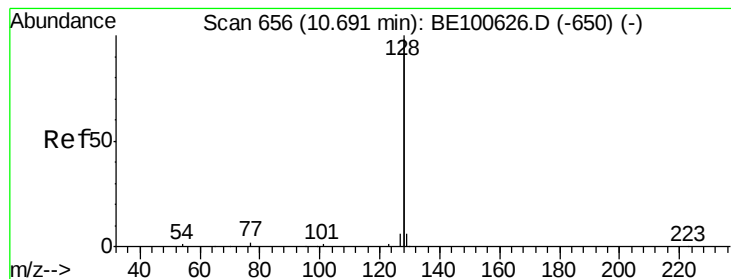


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.032 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

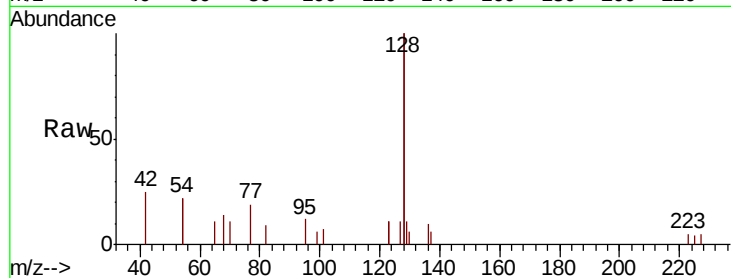
Tot Ion:128 Resp: 3467

Ion Ratio Lower Upper

128 100

129 5.5 2.3 3.5#

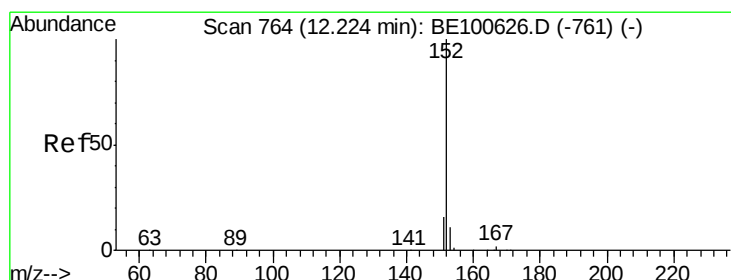
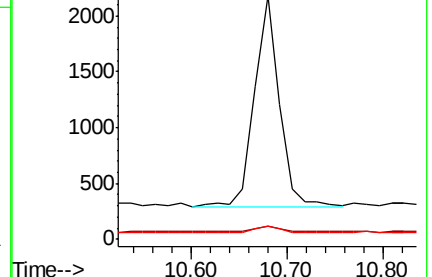
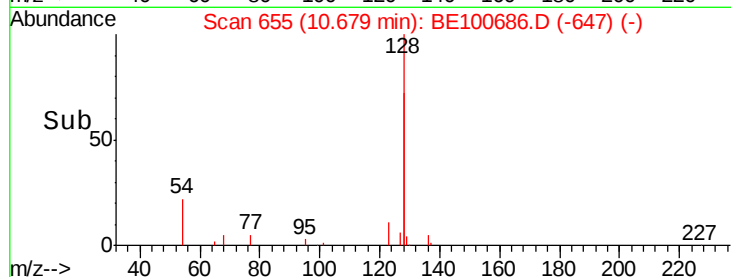
127 5.6 2.7 4.1#



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: 0.513 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100686.D

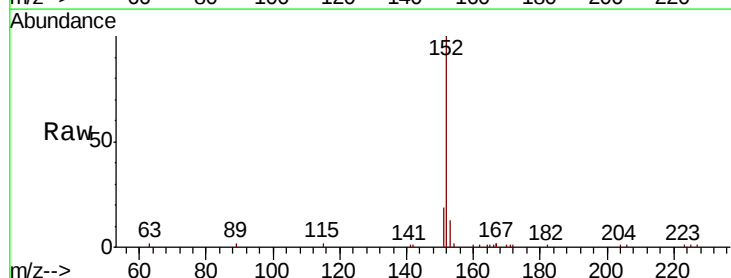
Acq: 28 Oct 2019 22:45

Tgt Ion:152 Resp: 8459

Ion Ratio Lower Upper

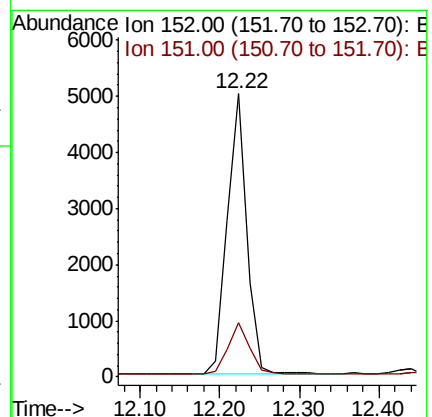
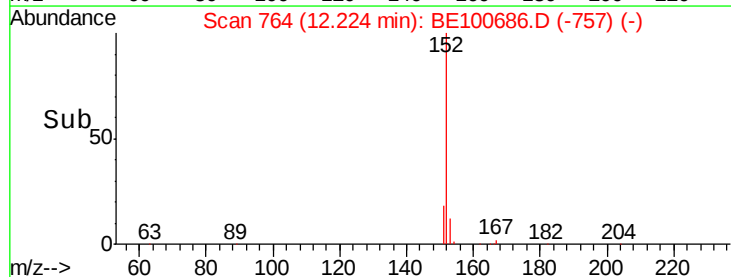
152 100

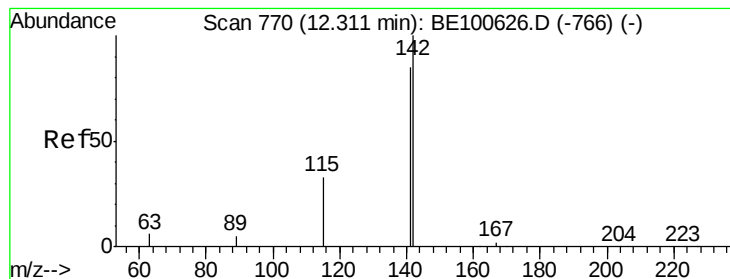
151 19.5 14.7 22.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.025 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

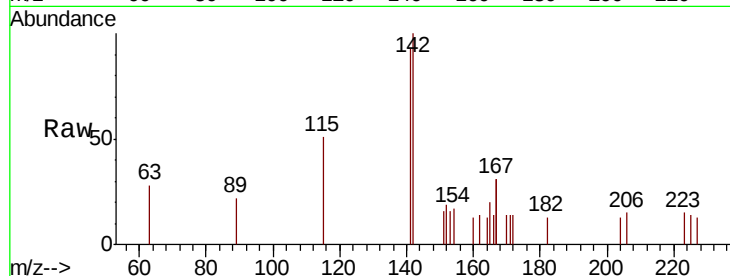
Tot Ion:142 Resp: 472

Ion Ratio Lower Upper

142 100

141 93.0 70.1 105.1

115 51.0 28.3 42.5#

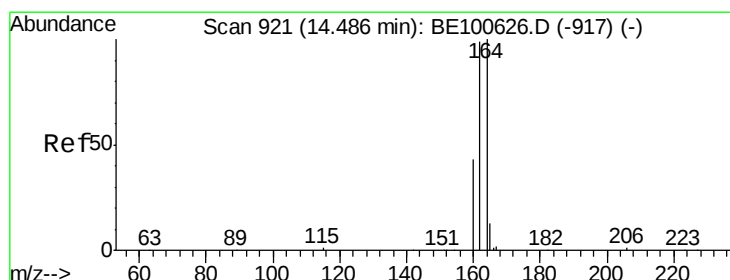
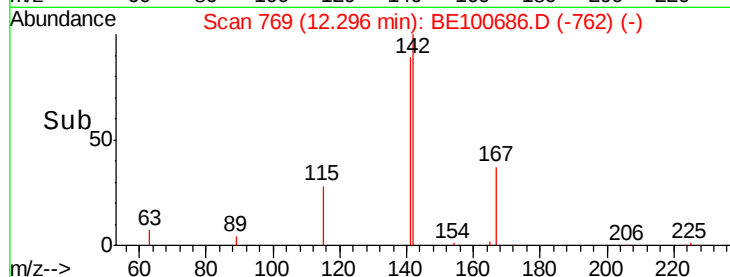
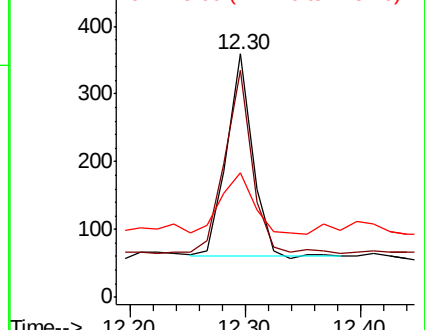


Abundance

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: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

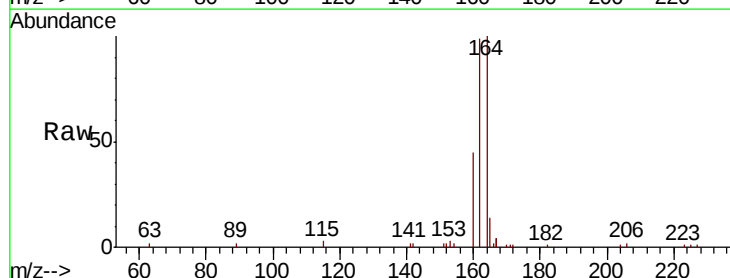
Tgt Ion:164 Resp: 6619

Ion Ratio Lower Upper

164 100

162 98.5 82.0 123.0

160 45.0 37.5 56.3

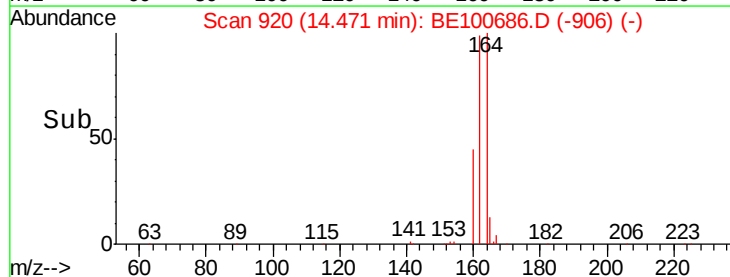
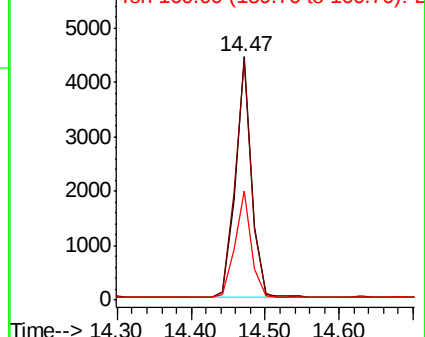


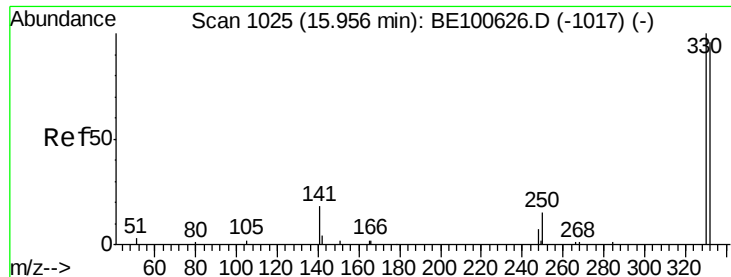
Abundance

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: 0.670 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

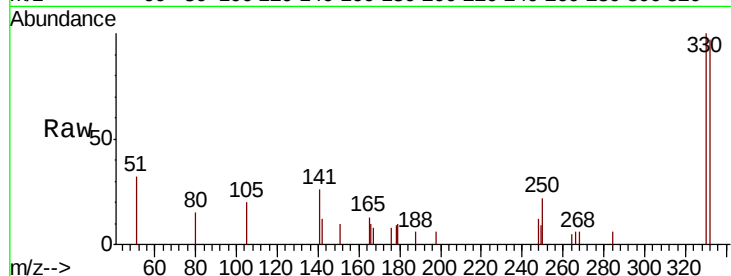
Tot Ion:330 Resp: 1171

Ion Ratio Lower Upper

330 100

332 97.4 77.9 116.9

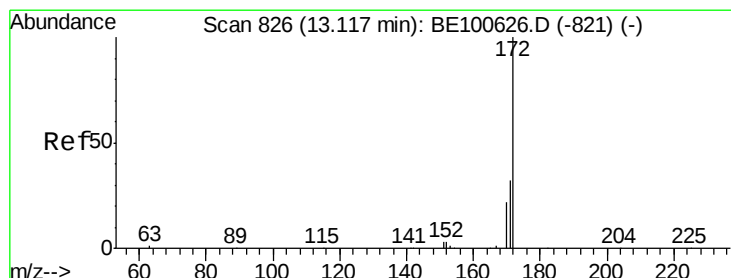
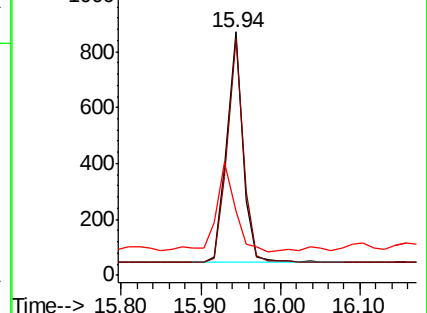
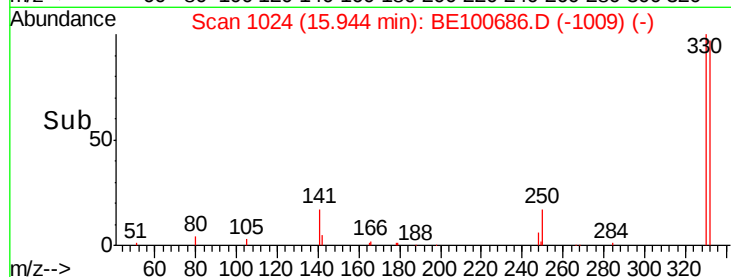
141 44.4 33.0 49.6



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: 0.502 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

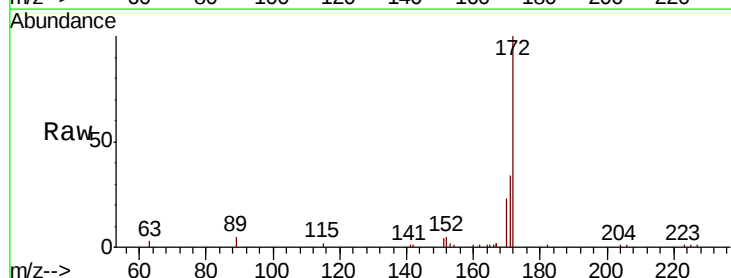
Tgt Ion:172 Resp: 12114

Ion Ratio Lower Upper

172 100

171 33.6 26.5 39.7

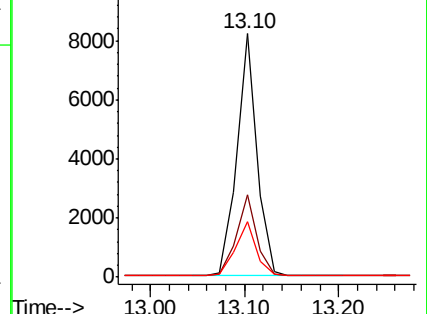
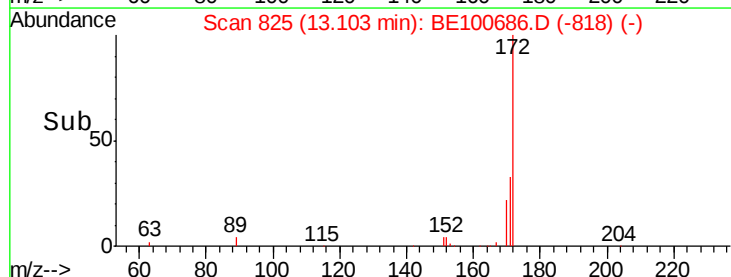
170 22.8 19.0 28.4

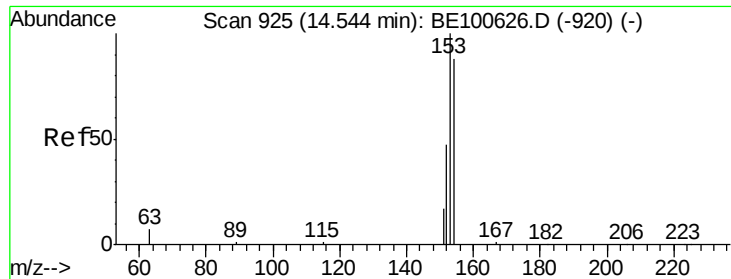


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

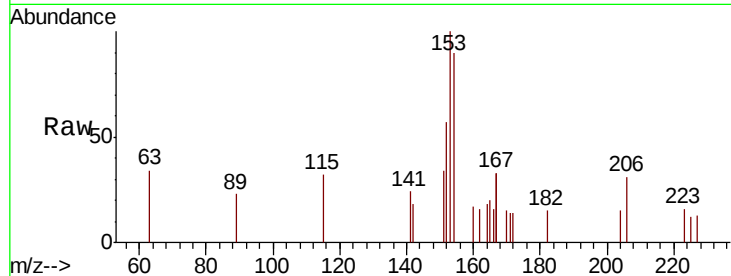




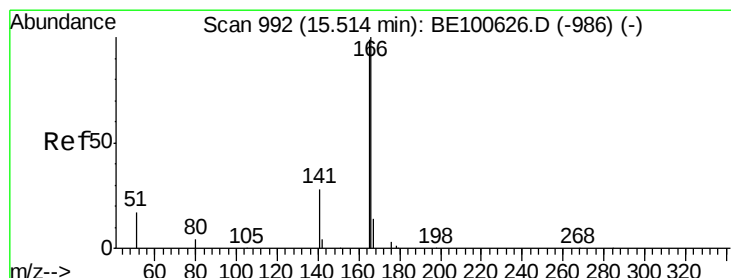
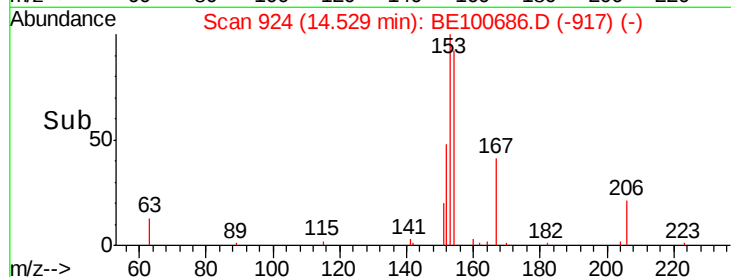
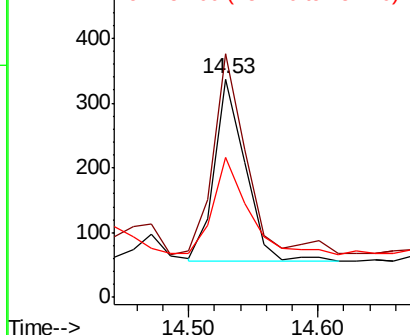
#17
Acenaphthene
Concen: 0.025 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 465
Ion Ratio Lower Upper
154 100
153 117.2 89.4 134.2
152 59.8 44.1 66.1

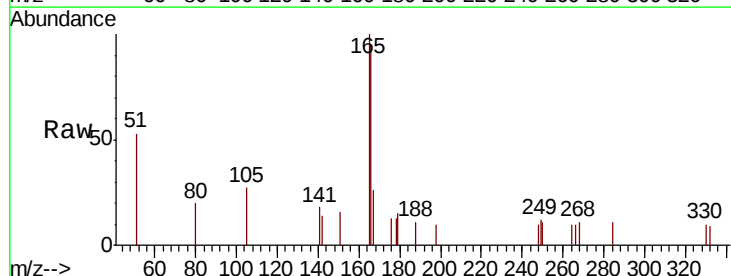


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

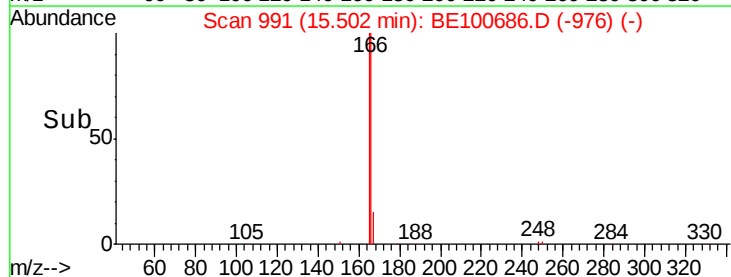
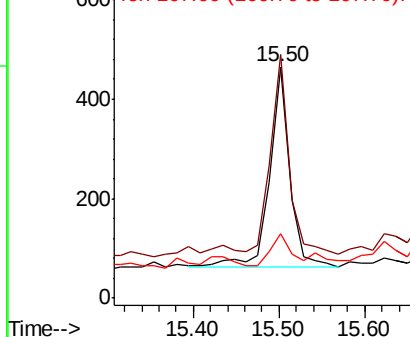


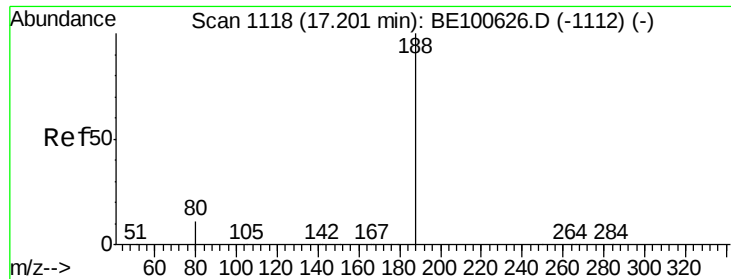
#18
Fluorene
Concen: 0.027 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.00 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Tgt Ion:166 Resp: 652
Ion Ratio Lower Upper
166 100
165 93.3 78.6 117.8
167 16.1 10.9 16.3



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

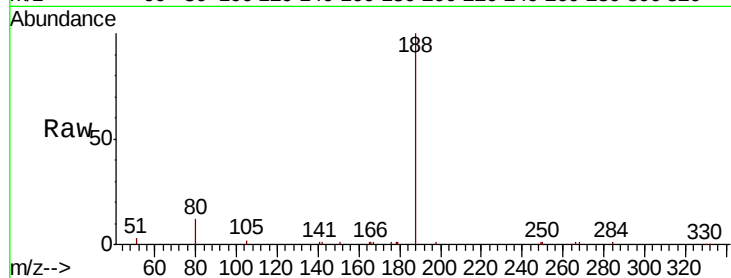




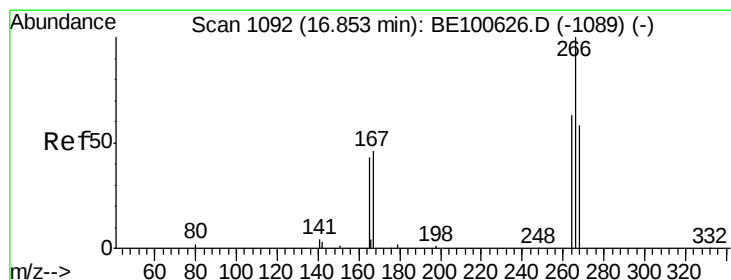
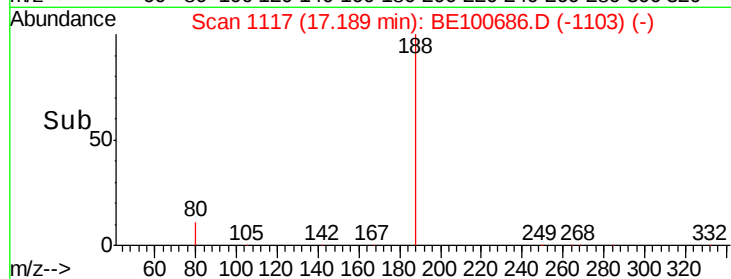
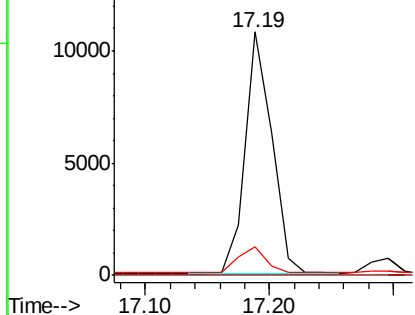
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 16209
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 5.4 8.0#

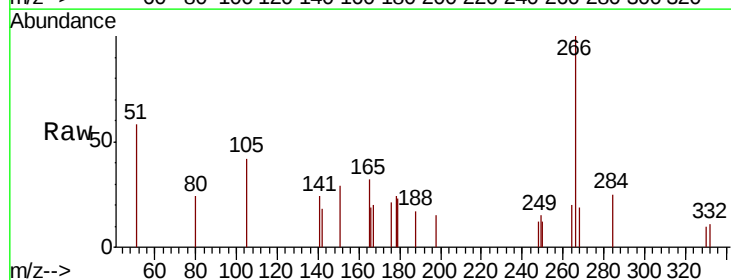


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

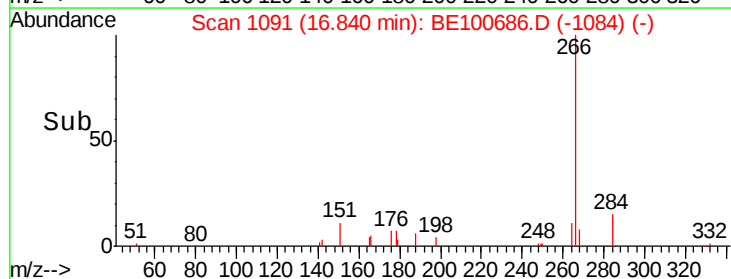
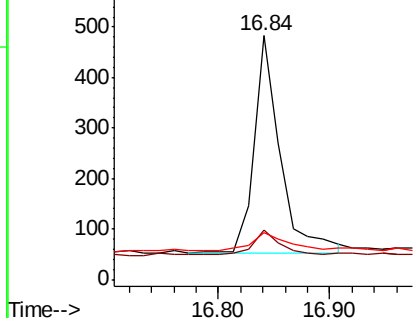


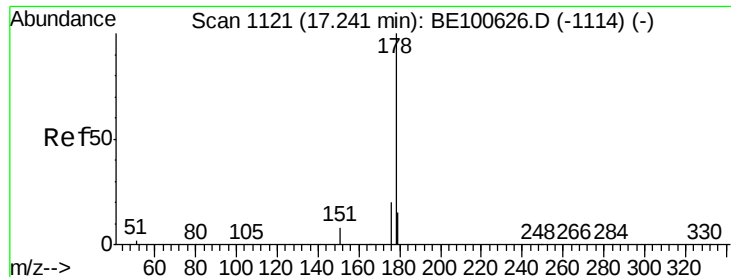
#22
Pentachlorophenol
Concen: 0.282 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Tgt Ion:266 Resp: 714
Ion Ratio Lower Upper
266 100
264 20.1 52.2 78.4#
268 19.0 53.1 79.7#



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

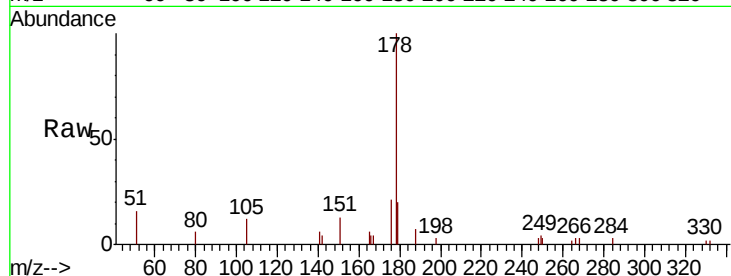




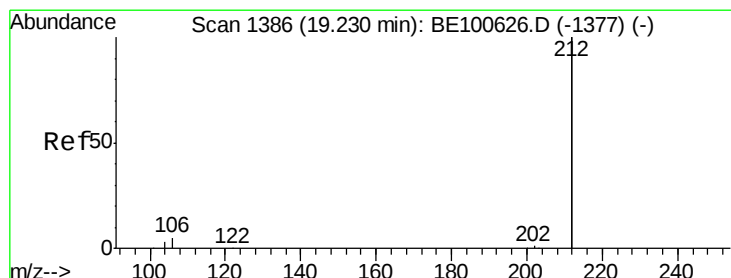
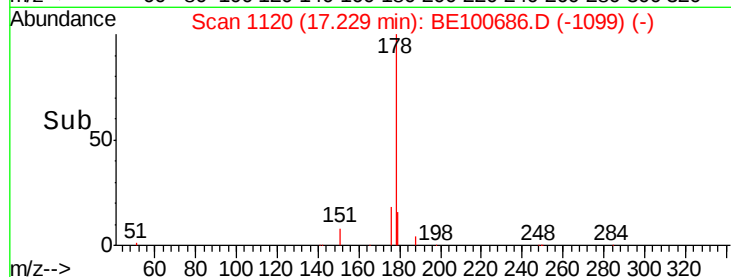
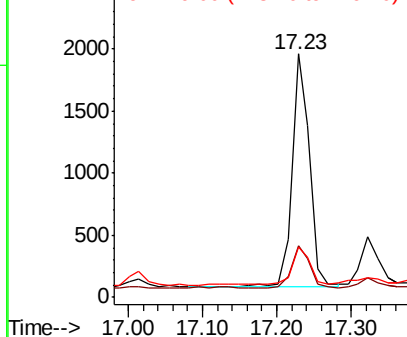
#23
Phenanthrene
Concen: 0.069 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 3093
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 19.6 12.1 18.1#

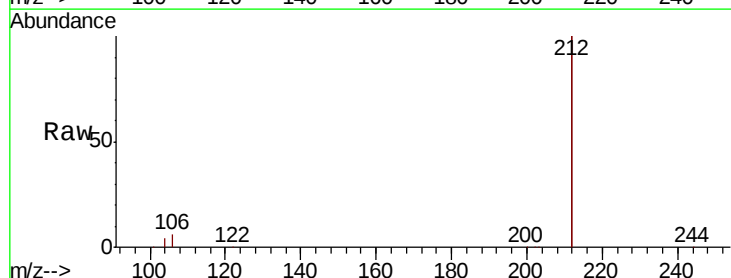


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

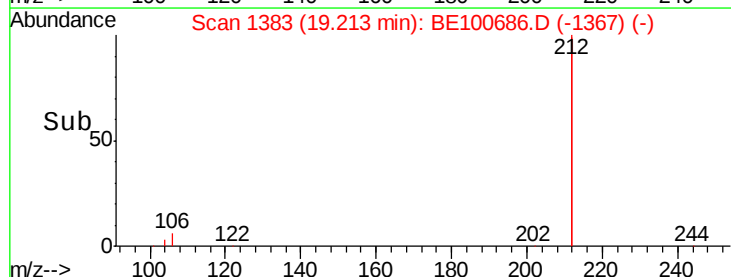
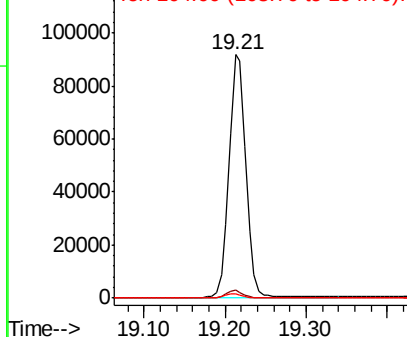


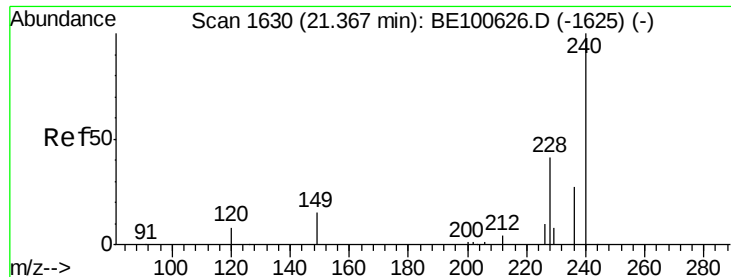
#25
Fluoranthene-d10
Concen: 0.622 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Tgt Ion:212 Resp: 130199
Ion Ratio Lower Upper
212 100
106 3.0 2.3 3.5
104 1.6 1.3 1.9



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

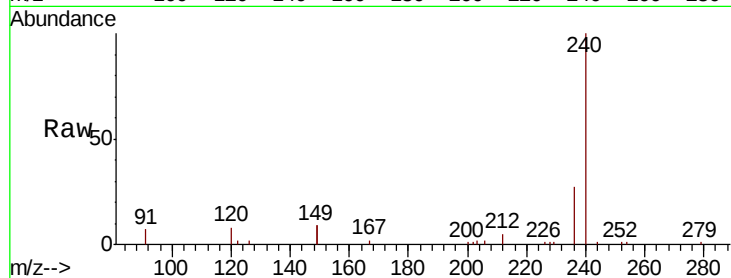




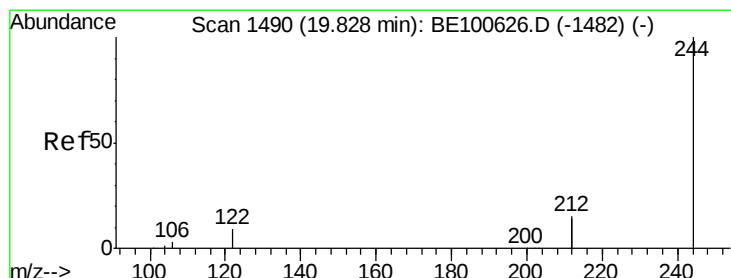
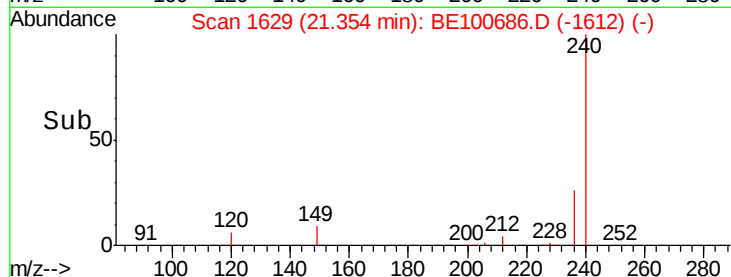
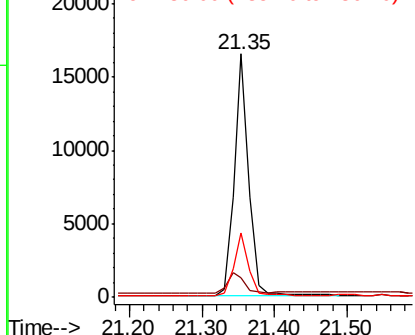
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 23139
Ion Ratio Lower Upper
240 100
120 7.9 7.6 11.4
236 26.6 22.1 33.1

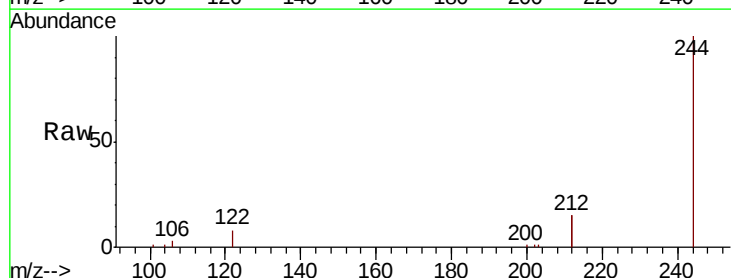


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

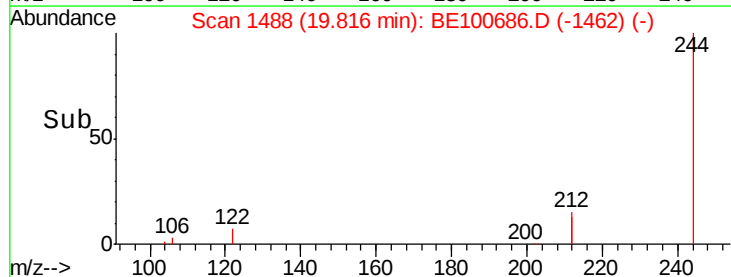
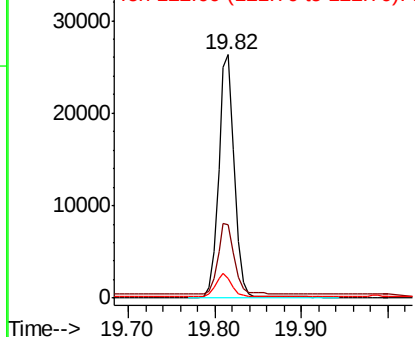


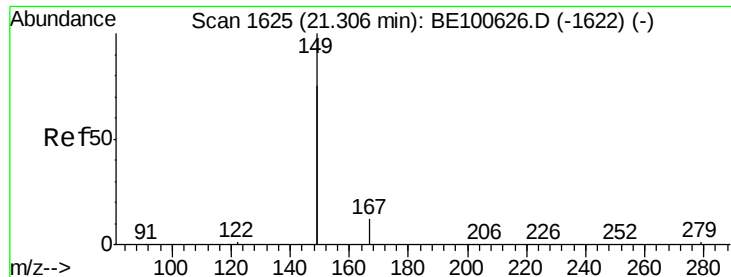
#29
Terphenyl-d14
Concen: 0.657 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE100686.D
Acq: 28 Oct 2019 22:45

Tgt Ion:244 Resp: 33213
Ion Ratio Lower Upper
244 100
212 29.9 23.7 35.5
122 8.0 7.9 11.9



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: 0.106 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

Instrument :

BNA_E

ClientSampleId :

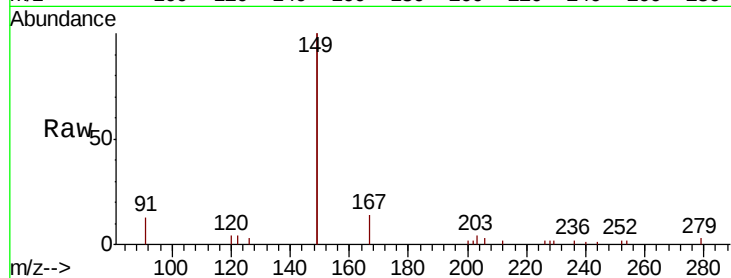
Tot Ion:149 Resp: 16698

Ion Ratio Lower Upper

149 100

167 7.0 5.5 8.3

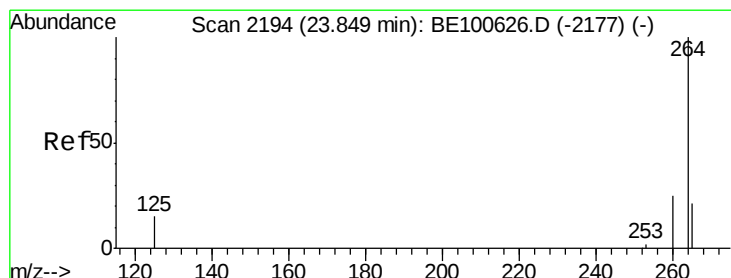
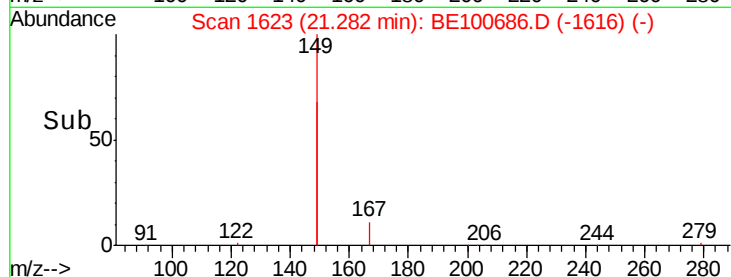
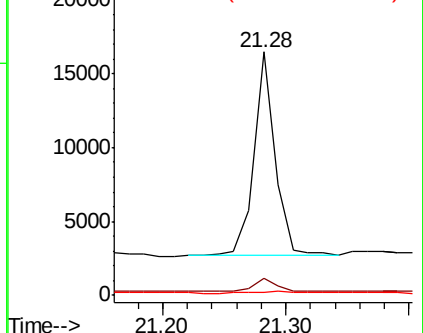
279 1.2 0.9 1.3



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: 23.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE100686.D

Acq: 28 Oct 2019 22:45

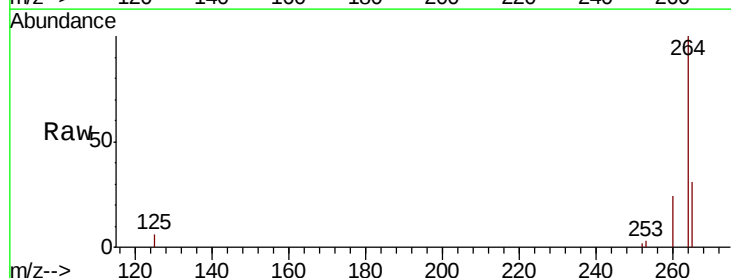
Tgt Ion:264 Resp: 26198

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 30.7 21.7 32.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

