

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100117.D
 Acq On : 20 Jun 2019 21:15
 Operator : JU/SJ
 Sample : K3345-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C-MW-7_061119

Quant Time: Jun 21 01:46:24 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	598	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	2132	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1944	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	6459	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	10268	0.40	ng	0.00
34) Perylene-d12	23.83	264	12100	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	240	0.19	ng	-0.01
5) Phenol-d6	6.91	99	170	0.10	ng	-0.02
8) Nitrobenzene-d5	8.91	82	691	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	1278	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	527	0.49	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3486	0.46	ng	-0.01
25) Fluoranthene-d10	19.19	212	33782	0.37	ng	0.00
29) Terphenyl-d14	19.79	244	10605	0.52	ng	-0.02

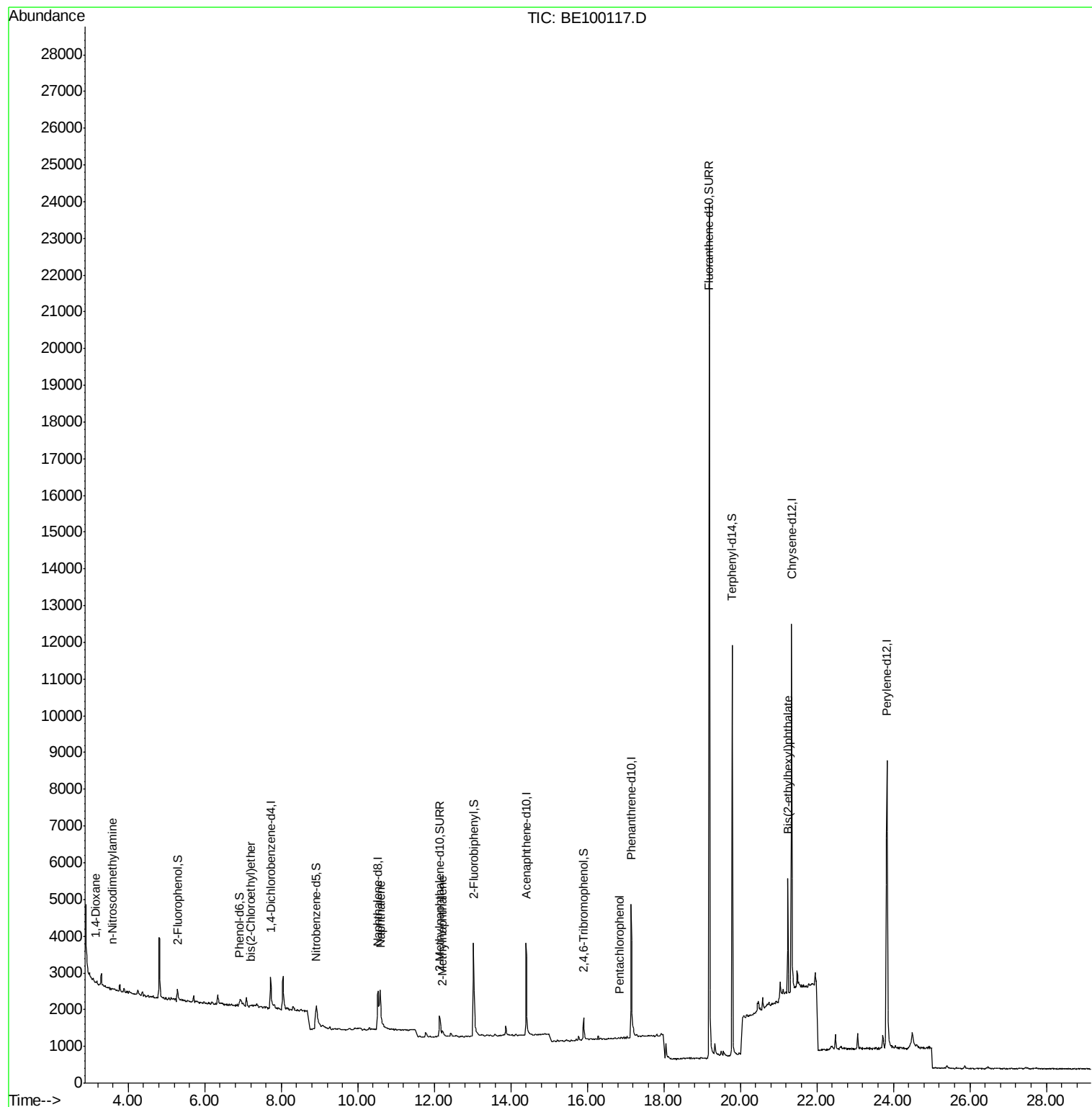
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	88	0.092	ng	# 27
3) n-Nitrosodimethylamine	3.58	42	17	0.368	ng	# 100
6) bis(2-Chloroethyl)ether	7.19	93	12	0.040	ng	# 1
9) Naphthalene	10.59	128	2577	0.111	ng	# 91
12) 2-Methylnaphthalene	12.21	142	125	0.033	ng	# 79
22) Pentachlorophenol	16.84	266	5	0.246	ng	90
32) Bis(2-ethylhexyl)phthalate	21.25	149	3452	0.120	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: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100117.D

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Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

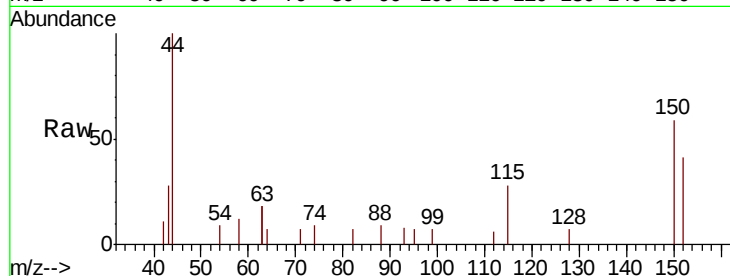
Tgt Ion: 152 Resp: 598

Ion Ratio Lower Upper

152 100

150 142.5 99.8 149.8

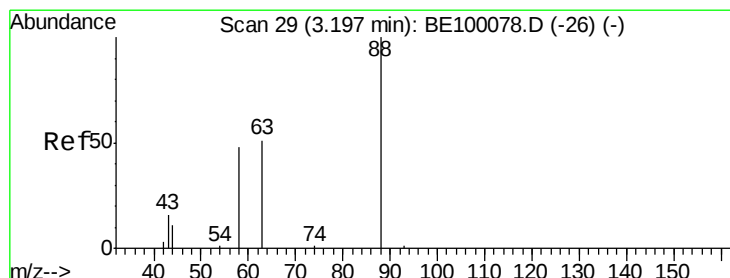
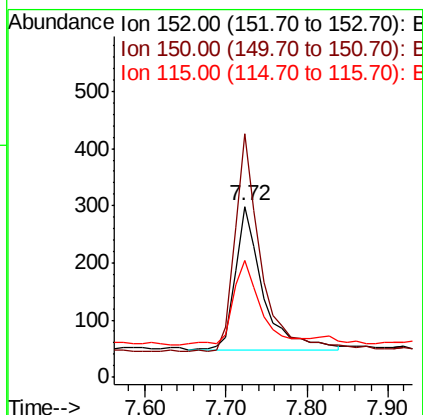
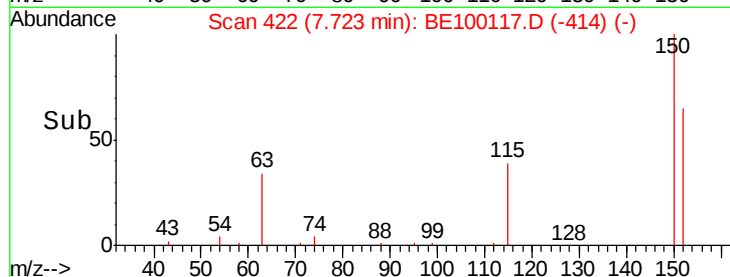
115 68.6 51.3 76.9



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: 0.092 ng

RT: 3.15 min Scan# 25

Delta R.T. -0.05 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

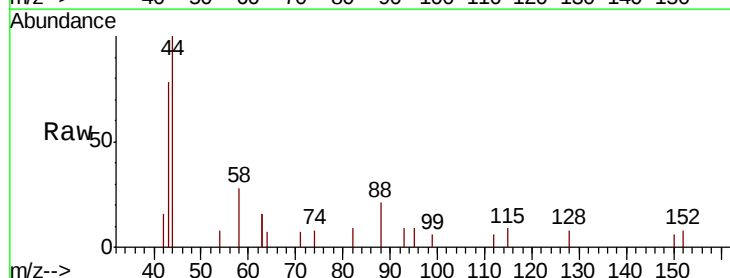
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

58 0.0 51.1 76.7#

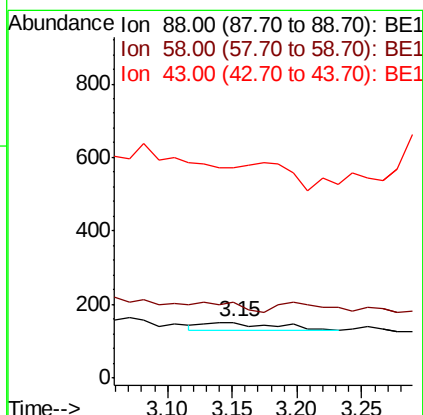
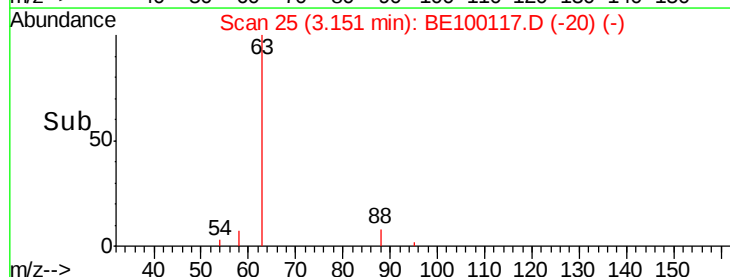
43 0.0 21.7 32.5#



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: 0.368 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

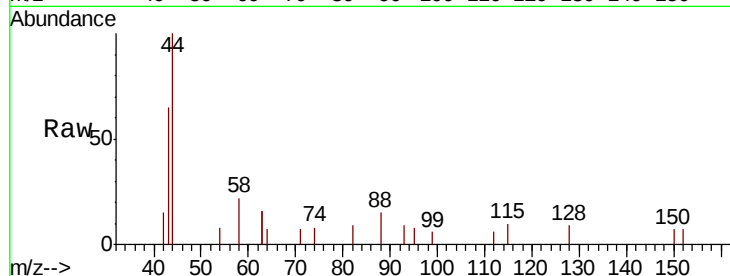
Tgt Ion: 42 Resp: 17

Ion Ratio Lower Upper

42 100

74 70.6 0.0 0.0#

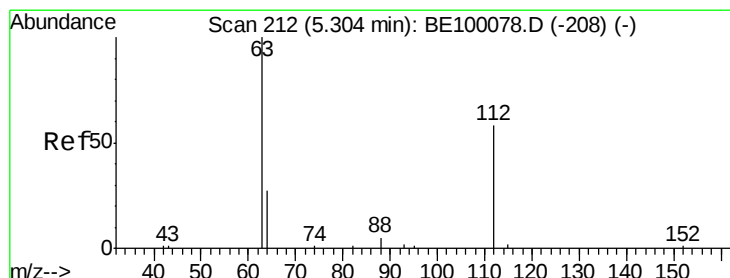
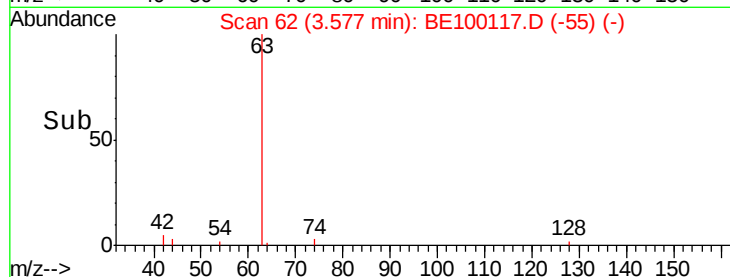
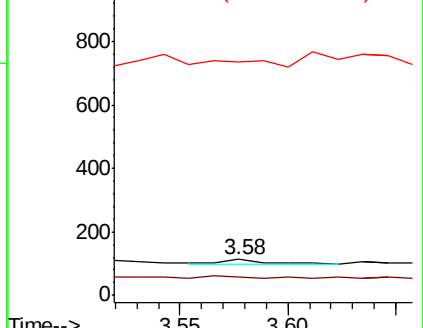
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.193 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

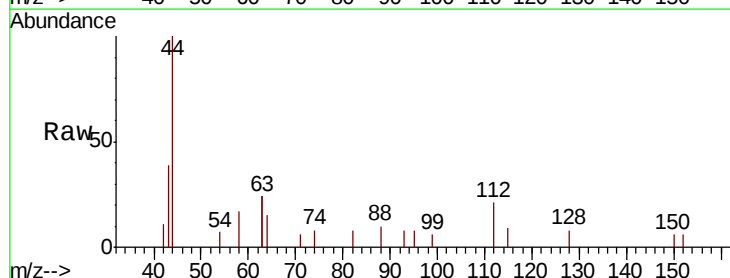
Tgt Ion: 112 Resp: 240

Ion Ratio Lower Upper

112 100

64 53.3 22.0 33.0#

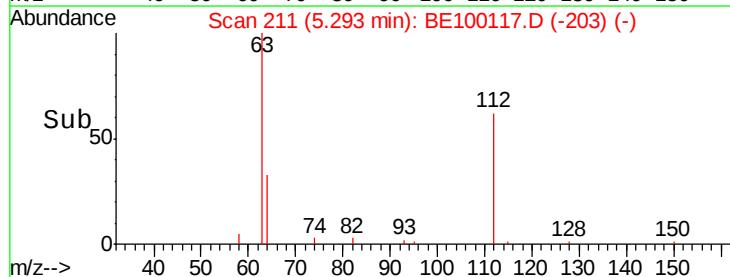
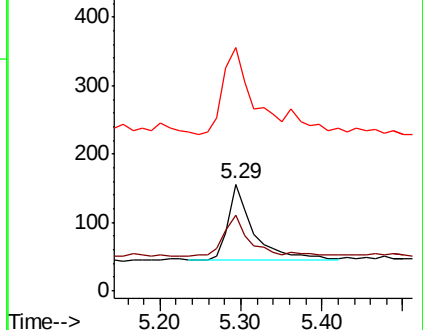
63 132.5 121.8 182.6



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: 0.100 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

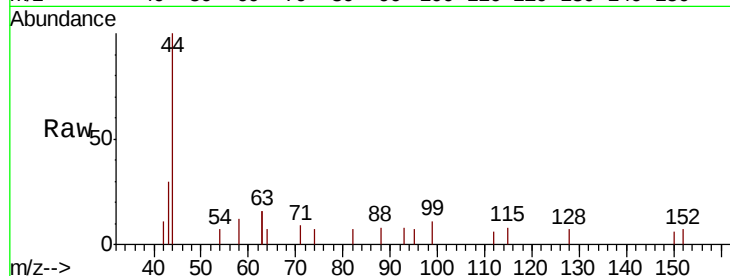
Tgt Ion: 99 Resp: 170

Ion Ratio Lower Upper

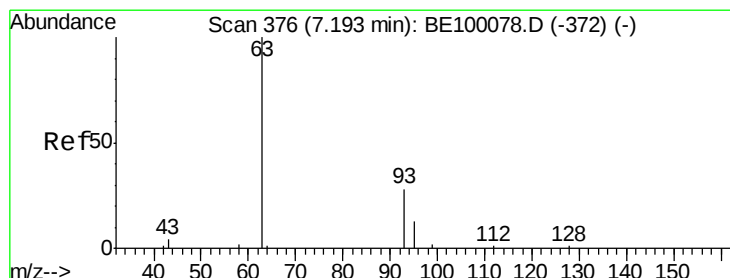
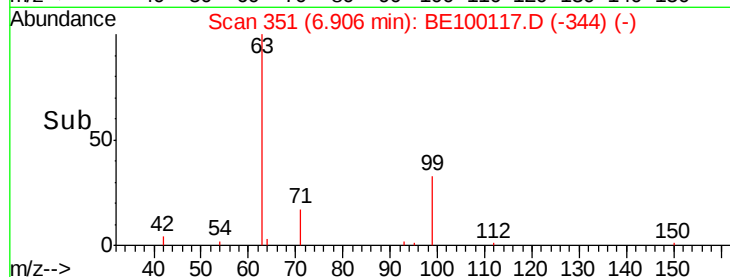
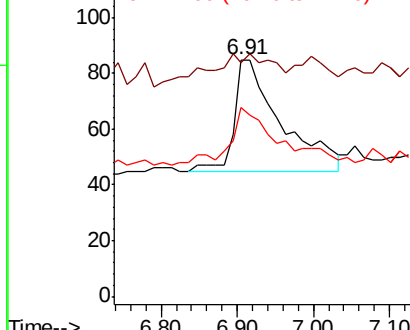
99 100

42 21.8 0.0 0.0#

71 49.4 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: 0.040 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

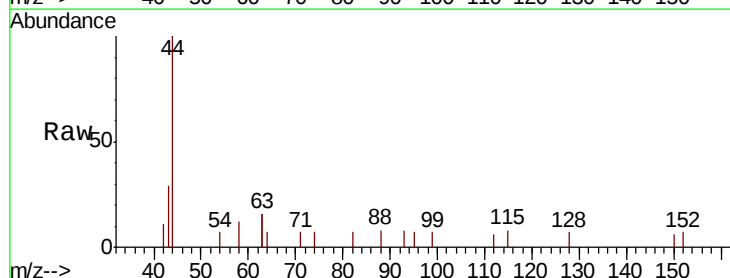
Tgt Ion: 93 Resp: 12

Ion Ratio Lower Upper

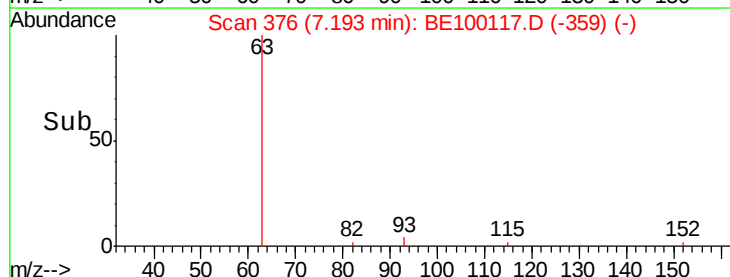
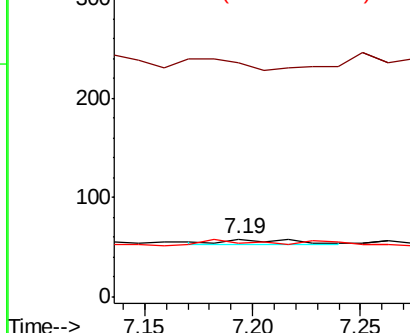
93 100

63 0.0 200.0 300.0#

95 91.7 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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 2132

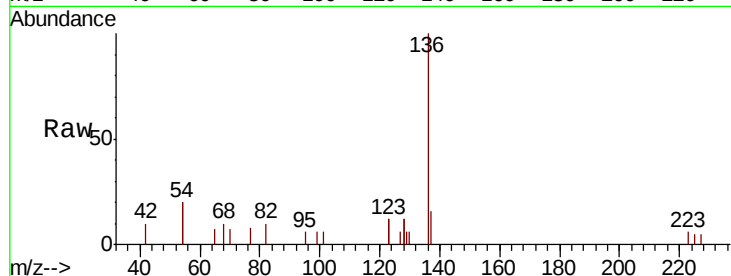
Ion Ratio Lower Upper

136 100

137 16.2 11.6 17.4

54 40.3 33.9 50.9

68 9.7 7.8 11.8

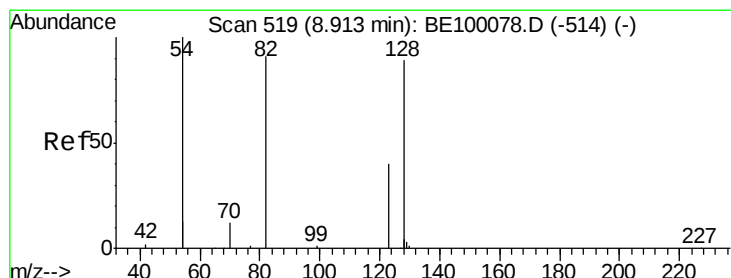
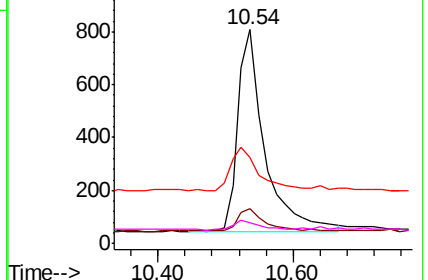
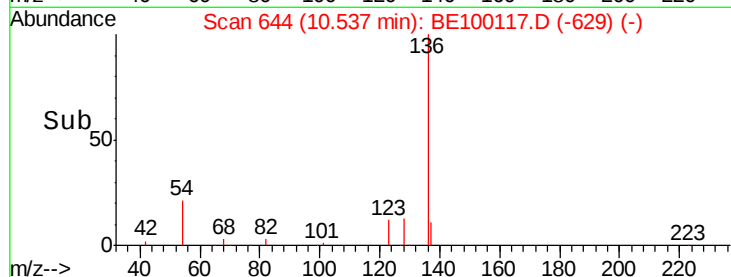


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

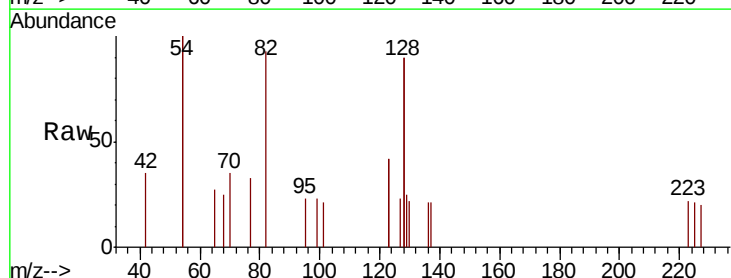
Tgt Ion: 82 Resp: 691

Ion Ratio Lower Upper

82 100

128 192.2 128.0 192.0#

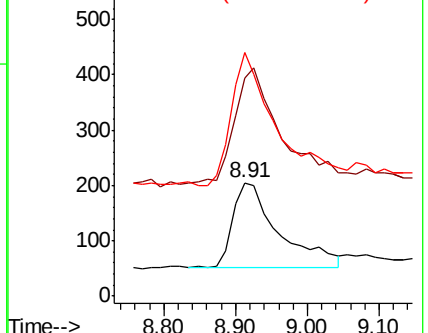
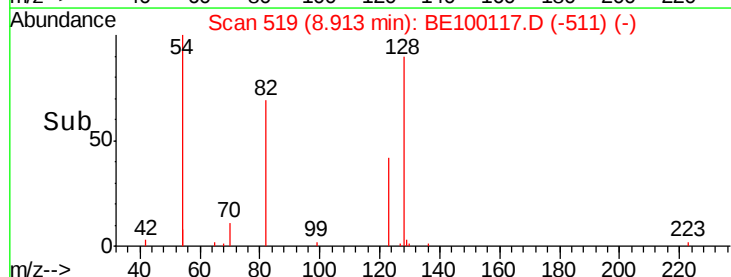
54 214.6 143.4 215.0

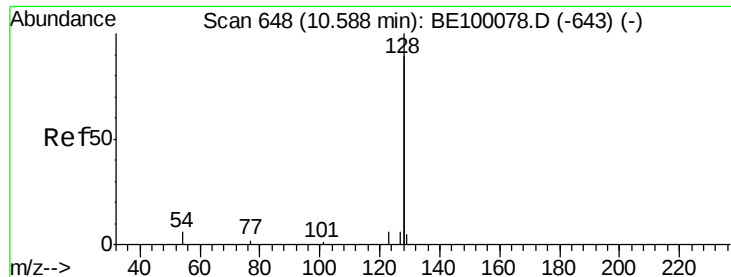


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.111 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

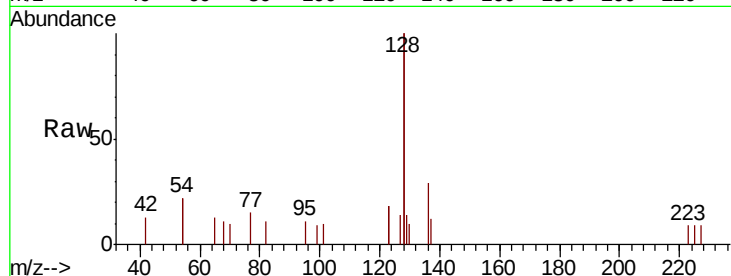
Tgt Ion:128 Resp: 2577

Ion Ratio Lower Upper

128 100

129 7.2 3.1 4.7#

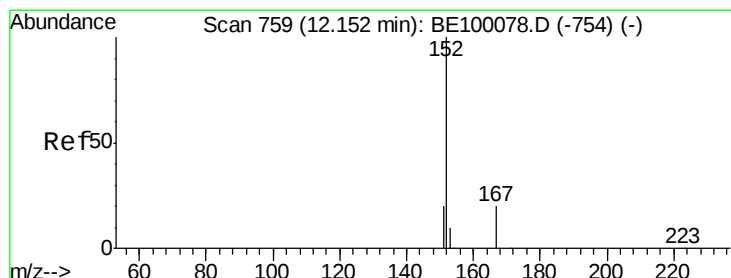
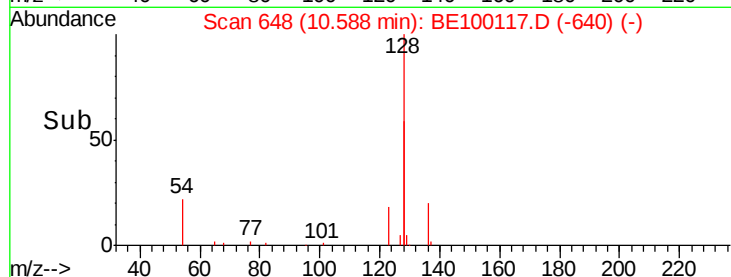
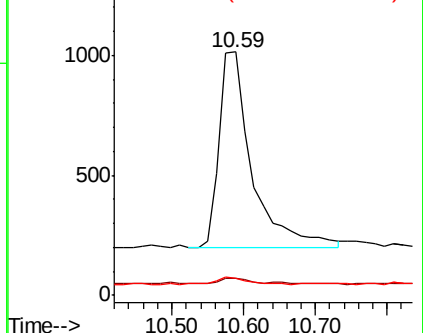
127 7.2 3.4 5.2#



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: 0.315 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100117.D

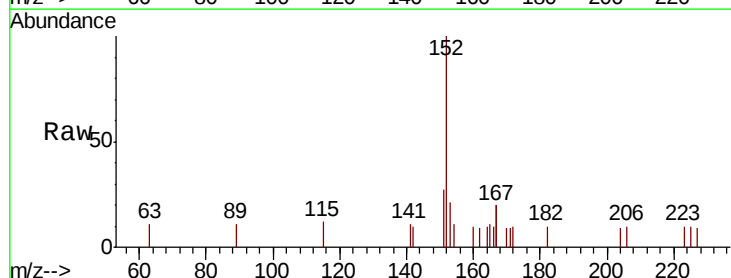
Acq: 20 Jun 2019 21:15

Tgt Ion:152 Resp: 1278

Ion Ratio Lower Upper

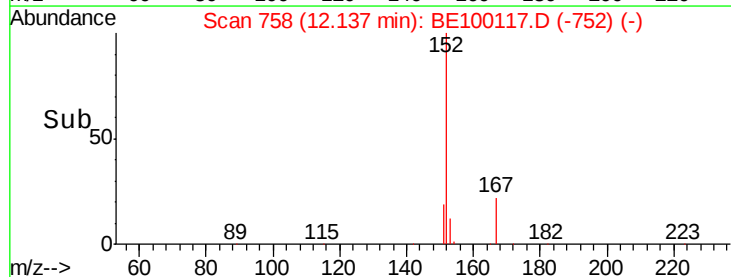
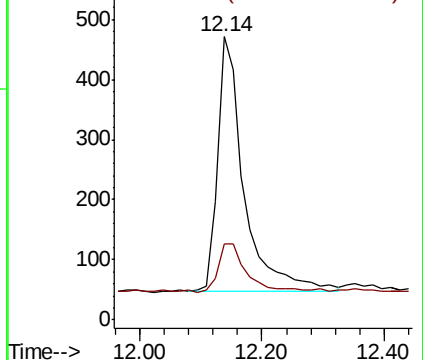
152 100

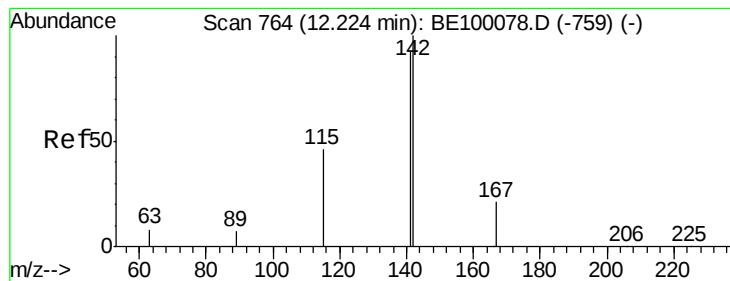
151 21.0 16.3 24.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.033 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

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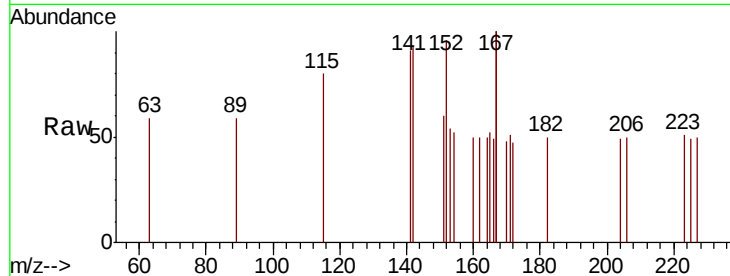
Tgt Ion:142 Resp: 125

Ion Ratio Lower Upper

142 100

141 97.7 74.1 111.1

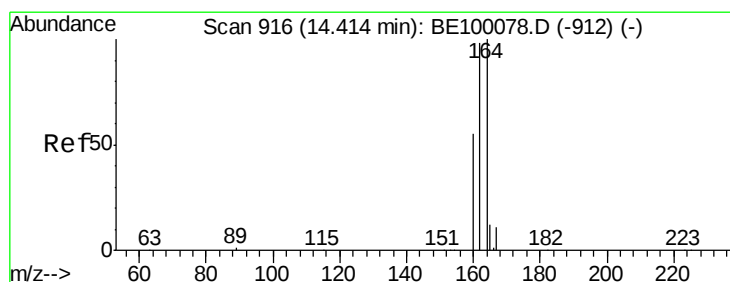
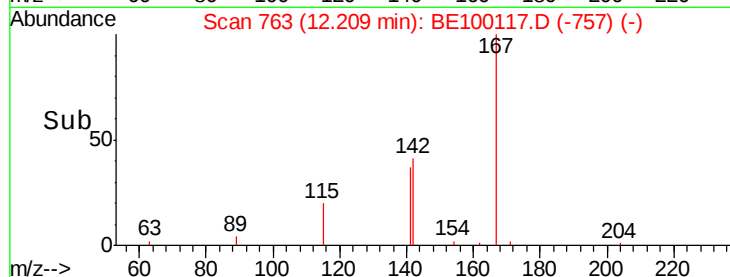
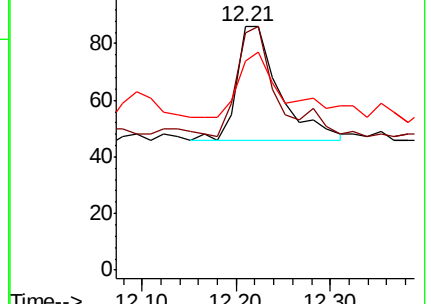
115 86.0 40.9 61.3#



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: BE100117.D

Acq: 20 Jun 2019 21:15

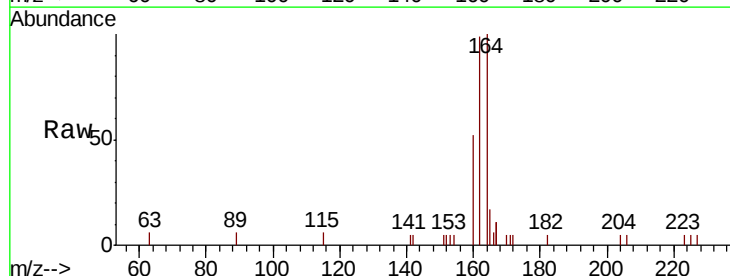
Tgt Ion:164 Resp: 1944

Ion Ratio Lower Upper

164 100

162 99.1 78.2 117.2

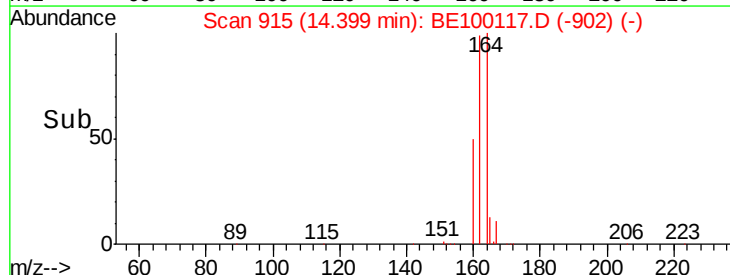
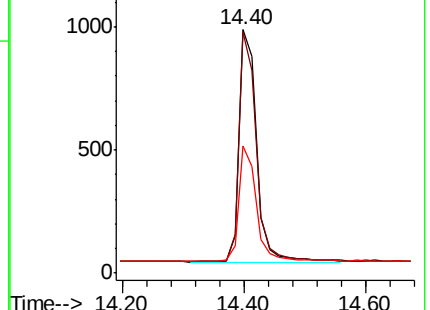
160 52.1 45.6 68.4

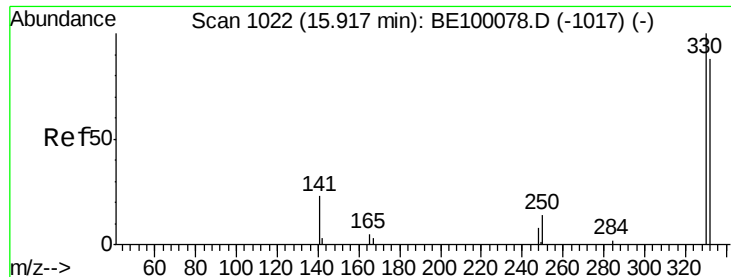


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.491 ng

RT: 15.90 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

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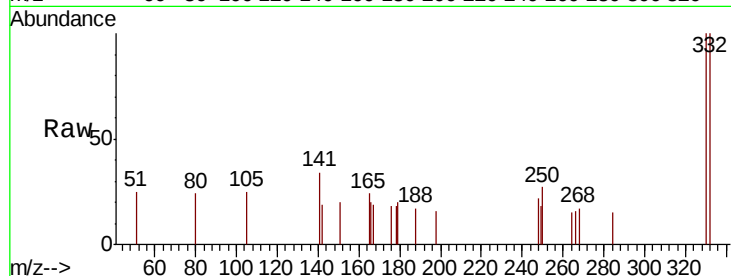
Tgt Ion:330 Resp: 527

Ion Ratio Lower Upper

330 100

332 93.0 73.3 109.9

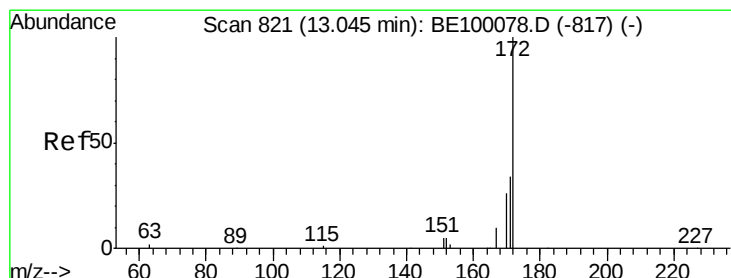
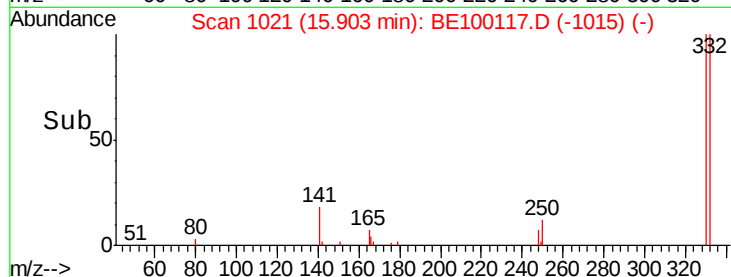
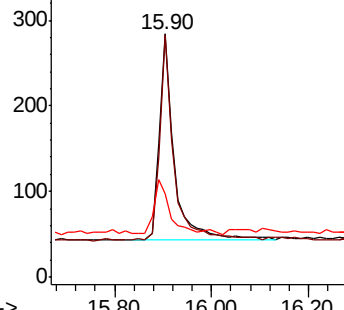
141 25.6 22.2 33.2



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: 0.456 ng

RT: 13.03 min Scan# 820

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

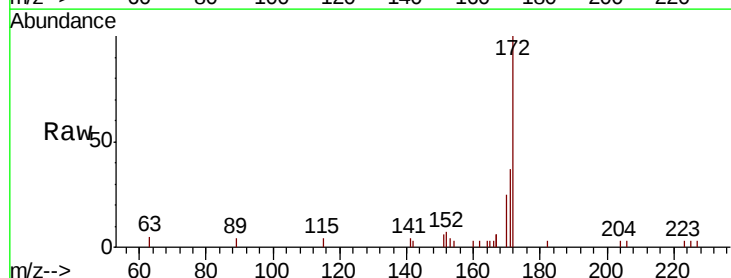
Tgt Ion:172 Resp: 3486

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.8

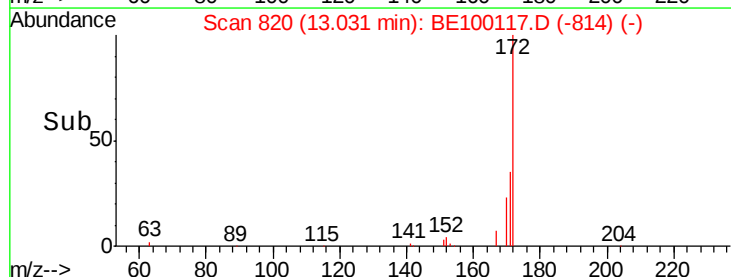
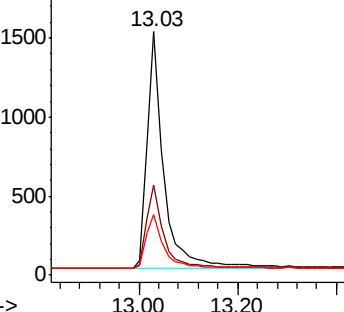
170 25.0 23.2 34.8

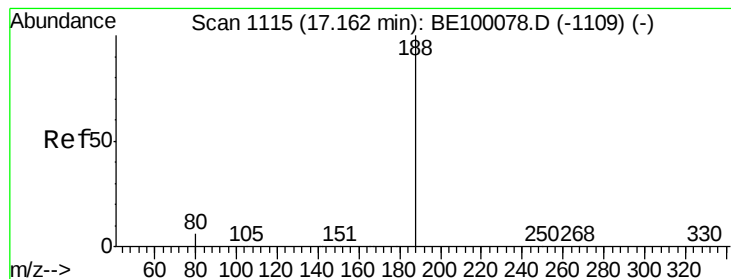


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

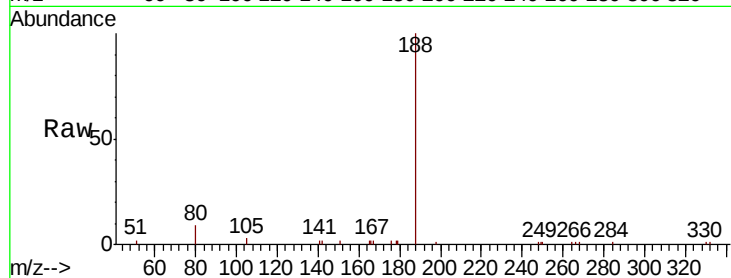
Tgt Ion:188 Resp: 6459

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

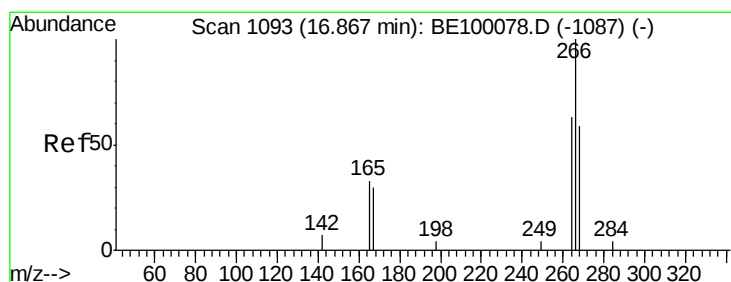
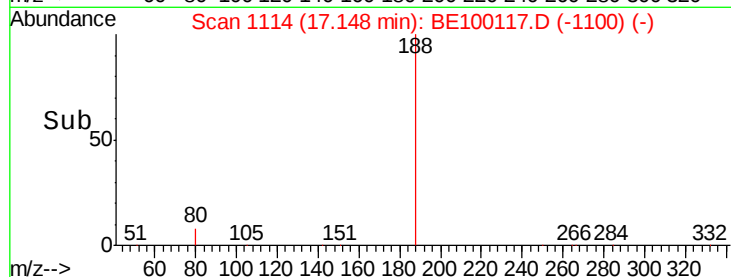
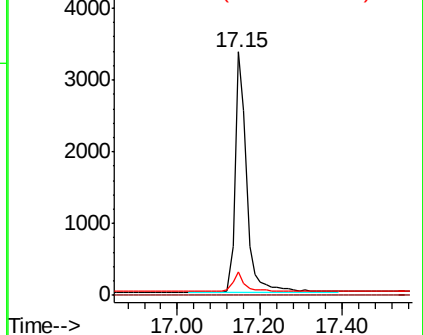
80 9.4 6.3 9.5



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: 0.246 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

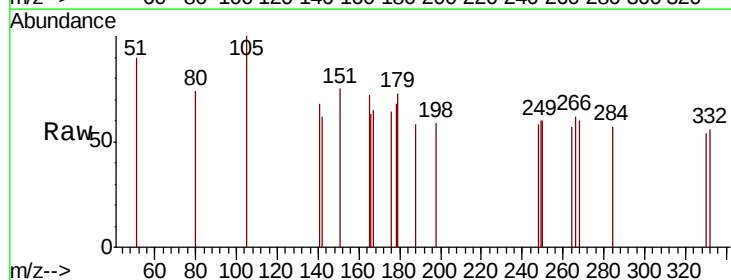
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 92.0 67.8 101.6

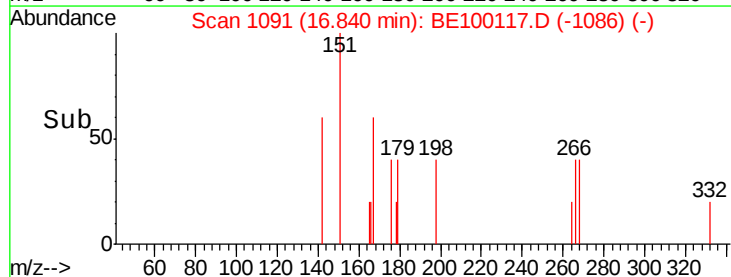
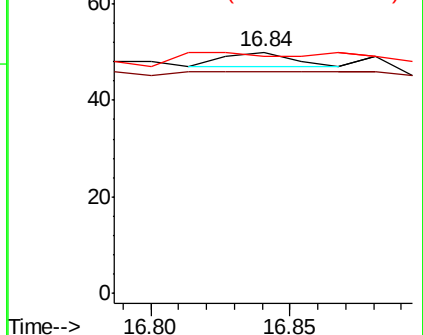
268 98.0 70.0 105.0

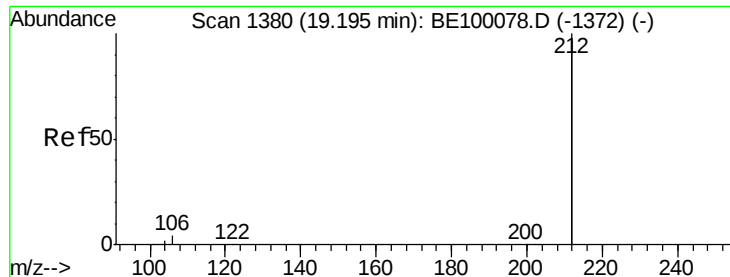


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

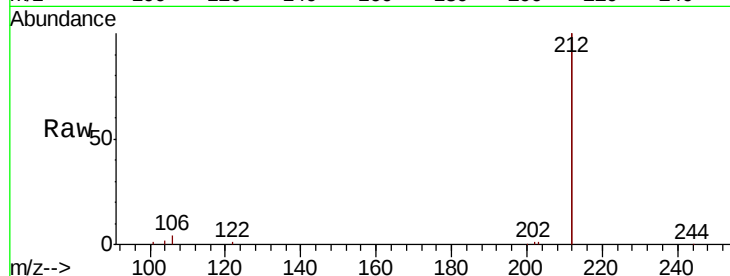
Tgt Ion:212 Resp: 33782

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

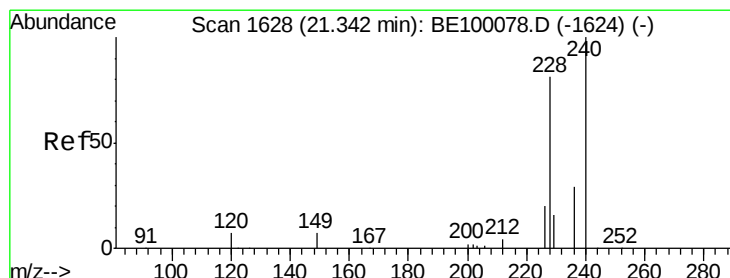
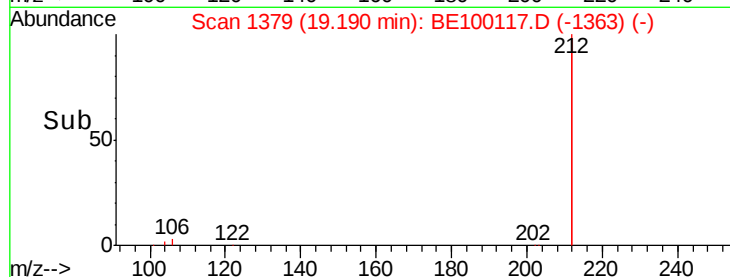
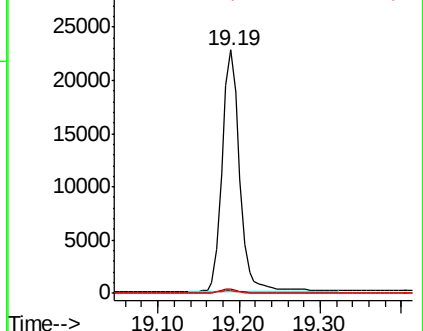
104 1.1 0.8 1.2



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: BE100117.D

Acq: 20 Jun 2019 21:15

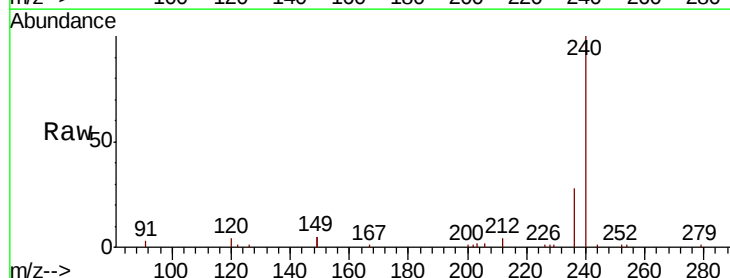
Tgt Ion:240 Resp: 10268

Ion Ratio Lower Upper

240 100

120 4.4 6.6 10.0#

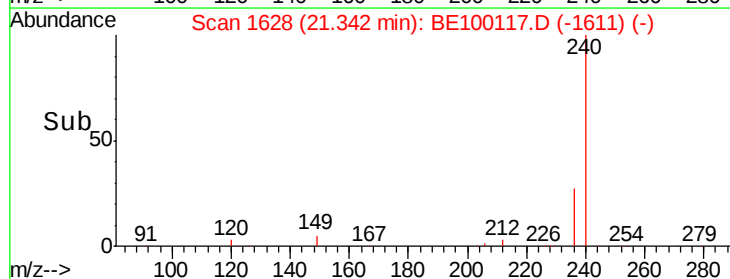
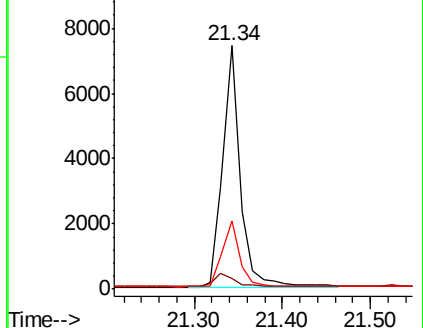
236 28.0 23.8 35.6

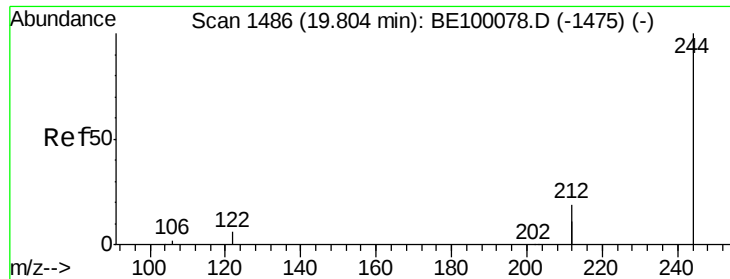


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.517 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119

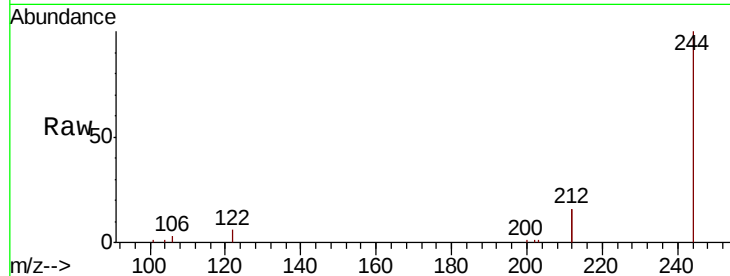
Tgt Ion:244 Resp: 10605

Ion Ratio Lower Upper

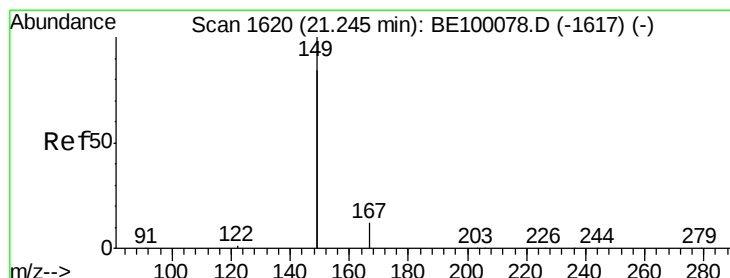
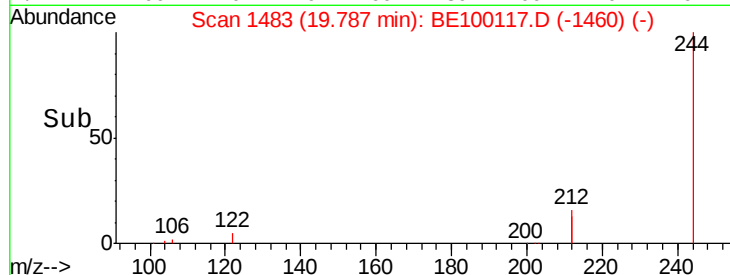
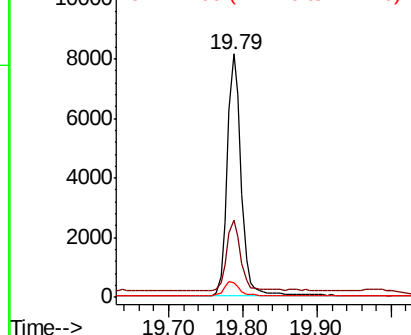
244 100

212 31.9 29.8 44.8

122 6.2 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: 0.120 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100117.D

Acq: 20 Jun 2019 21:15

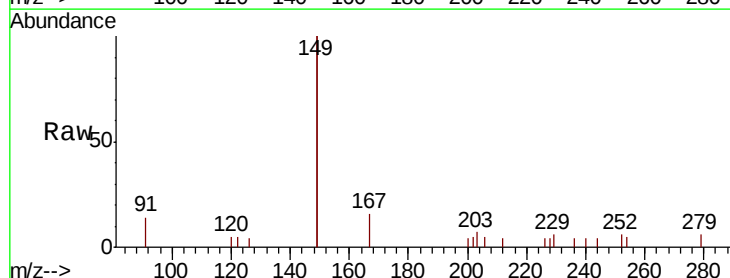
Tgt Ion:149 Resp: 3452

Ion Ratio Lower Upper

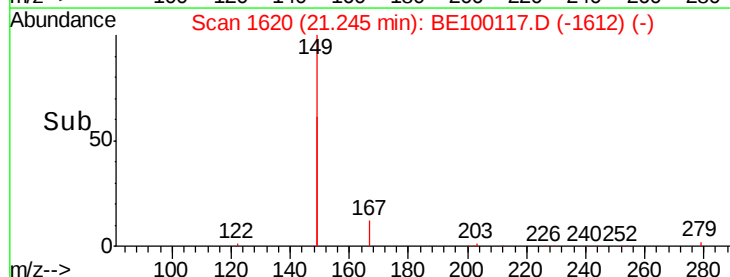
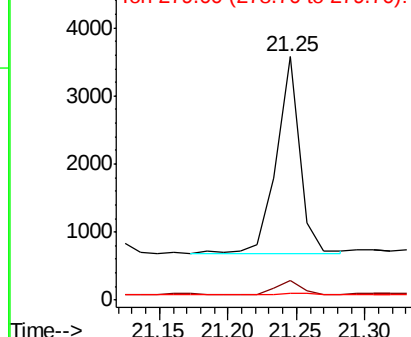
149 100

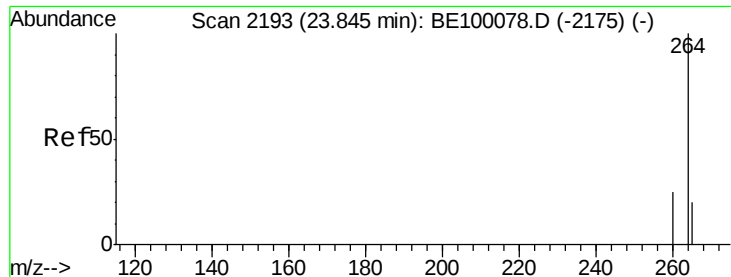
167 6.8 5.8 8.6

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

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BE100117.D

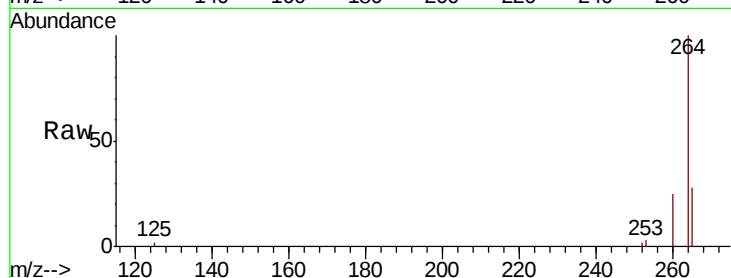
Acq: 20 Jun 2019 21:15

Instrument :

BNA_E

ClientSampleId :

C-MW-7_061119



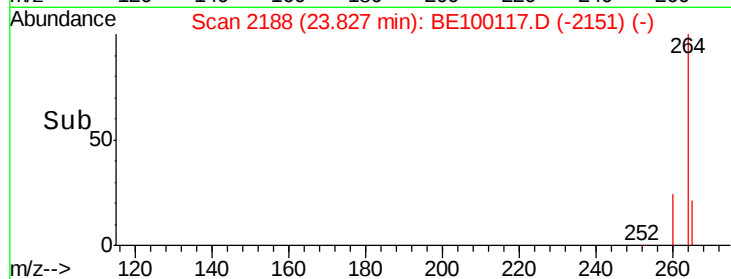
Tgt Ion: 264 Resp: 12100

Ion Ratio Lower Upper

264 100

260 24.8 20.8 31.2

265 27.9 23.2 34.8



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

