

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062019\
 Data File : BE100120.D
 Acq On : 20 Jun 2019 23:06
 Operator : JU/SJ
 Sample : K3345-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-01_061219

Quant Time: Jun 21 01:46:53 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	519	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	2018	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	4411	0.40	ng	-0.02
19) Phenanthrene-d10	17.15	188	6035	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8992	0.40	ng	0.00
34) Perylene-d12	23.83	264	10189	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	216	0.20	ng	-0.01
5) Phenol-d6	6.91	99	151	0.10	ng	-0.02
8) Nitrobenzene-d5	8.90	82	721	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.12	152	181	0.05	ng	-0.03
14) 2,4,6-Tribromophenol	15.89	330	569	0.23	ng	-0.03
15) 2-Fluorobiphenyl	13.02	172	3906	0.23	ng	-0.03
25) Fluoranthene-d10	19.19	212	3268	0.04	ng	0.00
29) Terphenyl-d14	19.79	244	10319	0.57	ng	-0.02

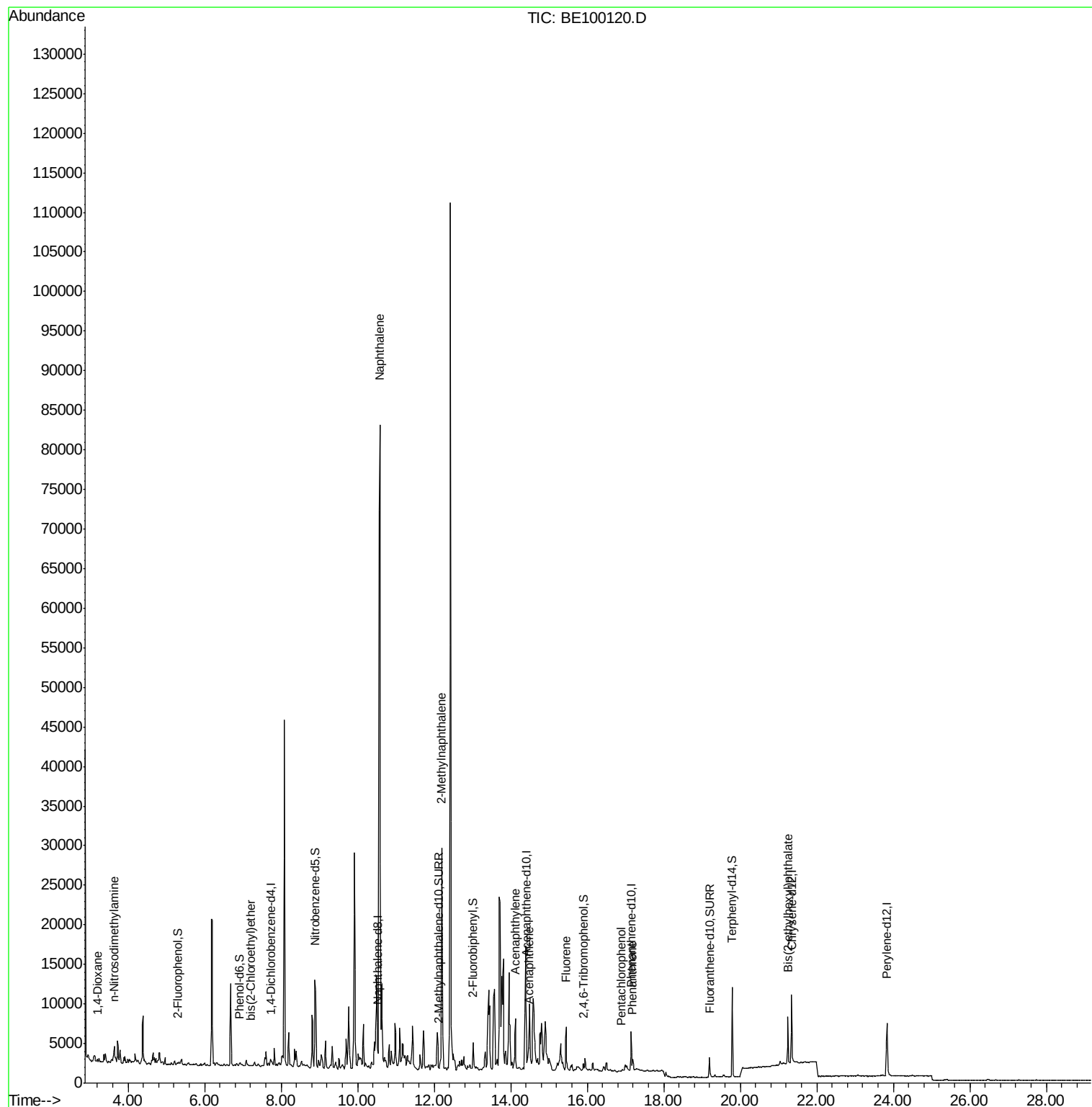
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	39	0.047	ng	# 1
3) n-Nitrosodimethylamine	3.64	42	86	0.499	ng	# 100
6) bis(2-Chloroethyl)ether	7.19	93	30	0.053	ng	# 1
9) Naphthalene	10.58	128	139095	6.343	ng	98
12) 2-Methylnaphthalene	12.19	142	21747	6.030	ng	97
16) Acenaphthylene	14.12	152	833	0.040	ng	# 1
17) Acenaphthene	14.47	154	1054	0.090	ng	# 48
18) Fluorene	15.45	166	4100	0.235	ng	# 93
22) Pentachlorophenol	16.88	266	4	0.245	ng	88
23) Phenanthrene	17.19	178	1380	0.095	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	6702	0.266	ng	# 100

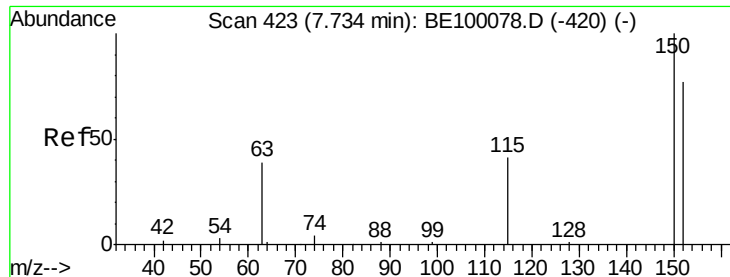
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100120.D

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Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

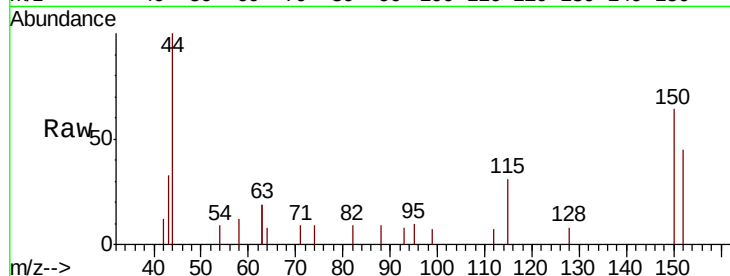
Tgt Ion: 152 Resp: 519

Ion Ratio Lower Upper

152 100

150 143.7 99.8 149.8

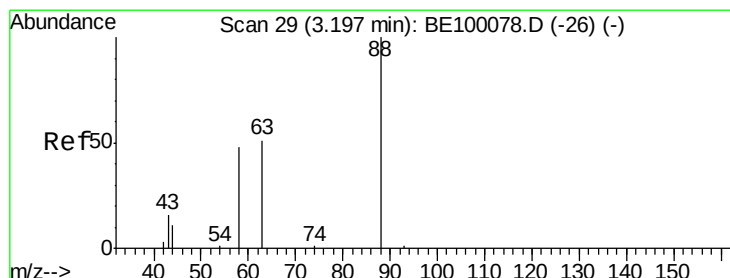
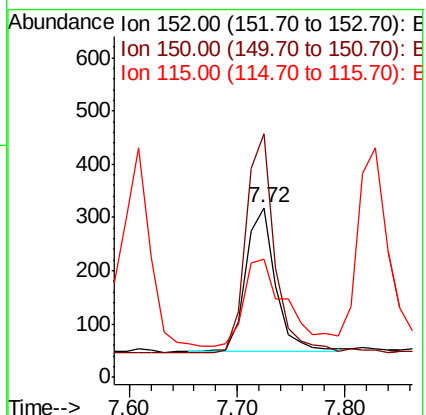
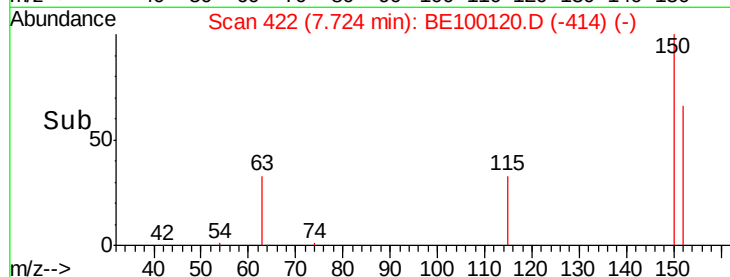
115 69.8 51.3 76.9



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: 0.047 ng

RT: 3.20 min Scan# 29

Delta R.T. 0.00 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

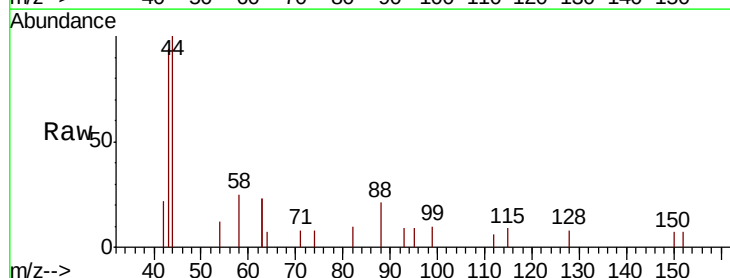
Tgt Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

58 51.3 51.1 76.7

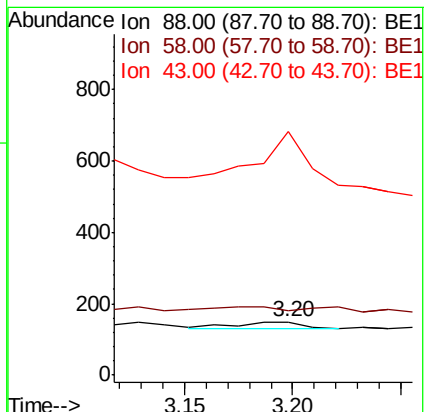
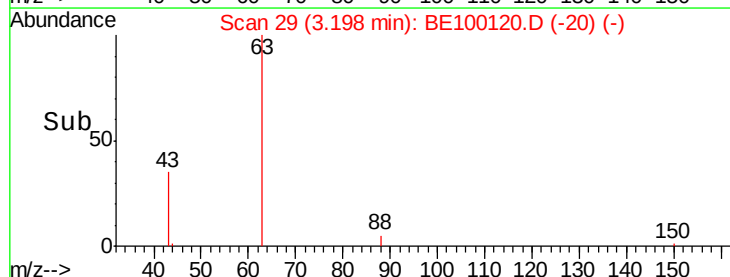
43 825.6 21.7 32.5#

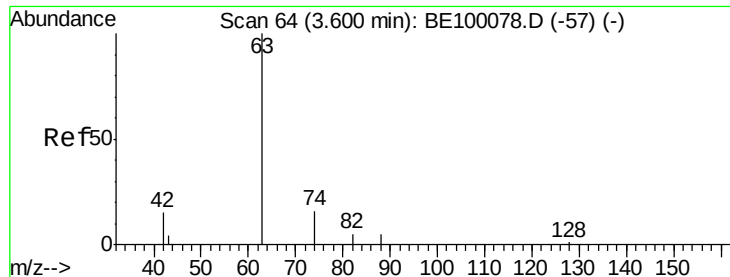


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.499 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.04 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

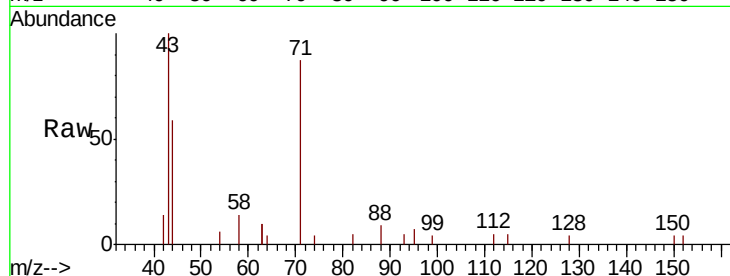
Tgt Ion: 42 Resp: 86

Ion Ratio Lower Upper

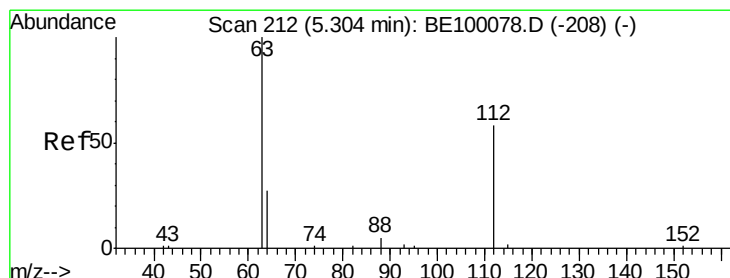
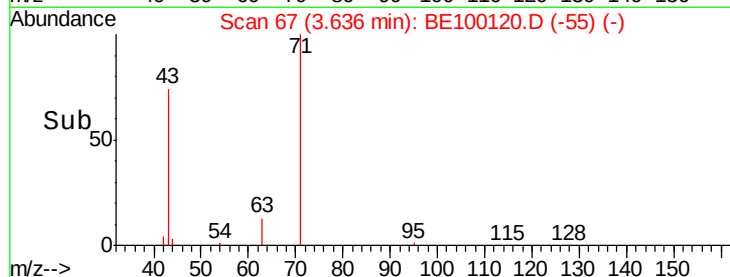
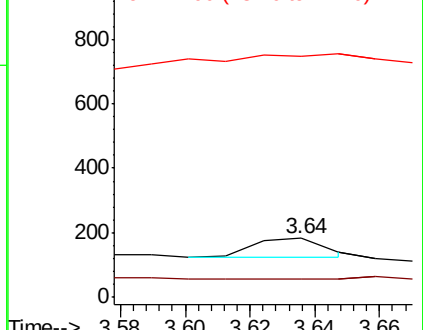
42 100

74 0.0 0.0 0.0

44 118.6 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: 0.201 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

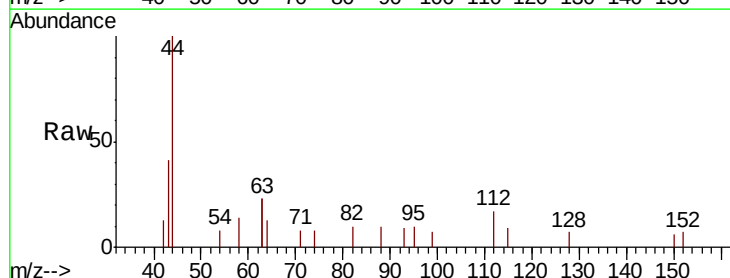
Tgt Ion: 112 Resp: 216

Ion Ratio Lower Upper

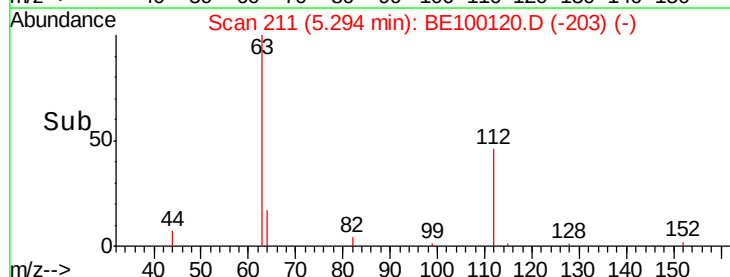
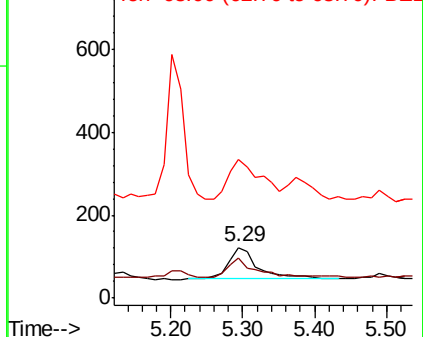
112 100

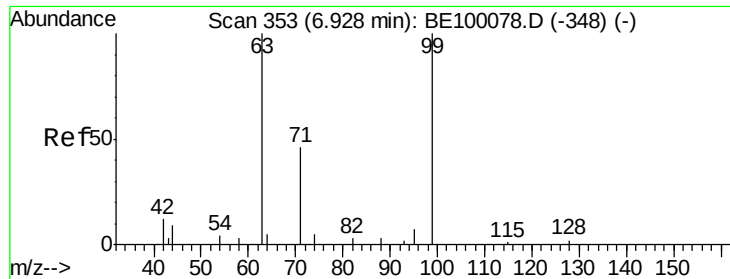
64 49.5 22.0 33.0#

63 142.1 121.8 182.6



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: 0.102 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

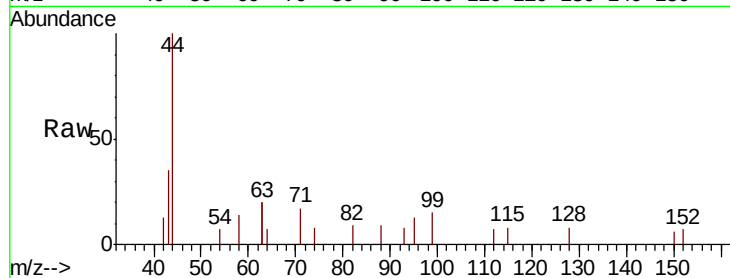
Tgt Ion: 99 Resp: 151

Ion Ratio Lower Upper

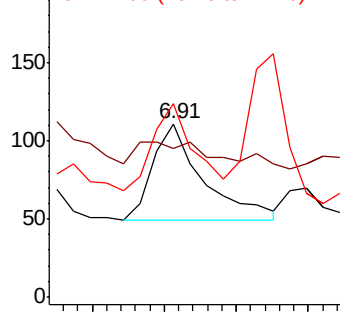
99 100

42 0.0 0.0 0.0

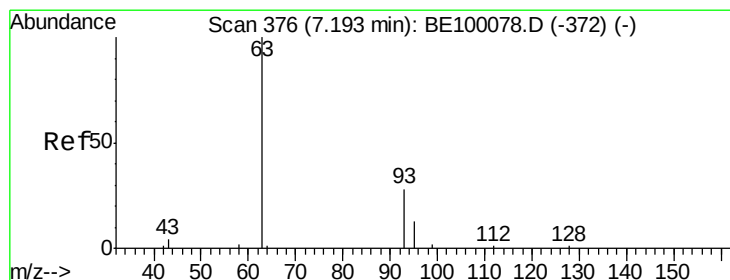
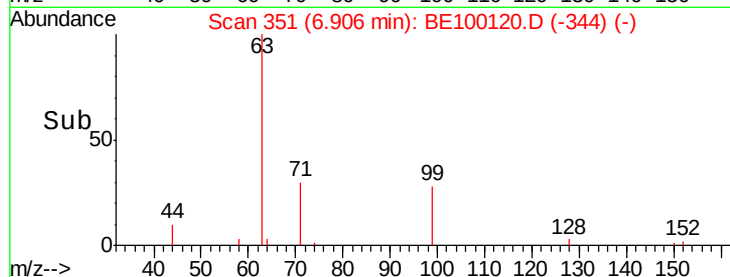
71 71.5 37.6 56.4#



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.053 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

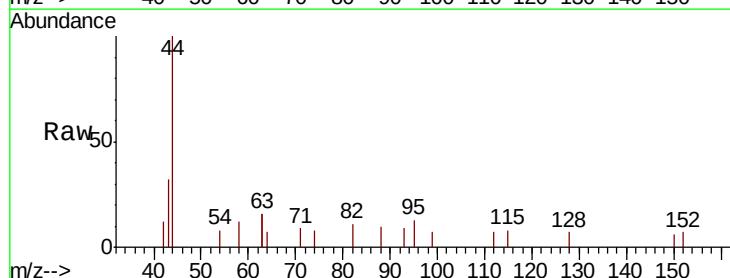
Tgt Ion: 93 Resp: 30

Ion Ratio Lower Upper

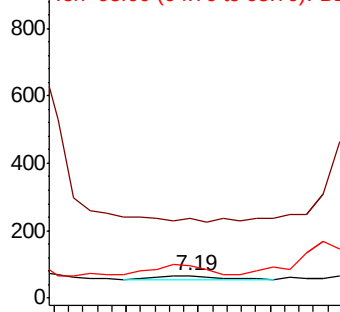
93 100

63 0.0 200.0 300.0#

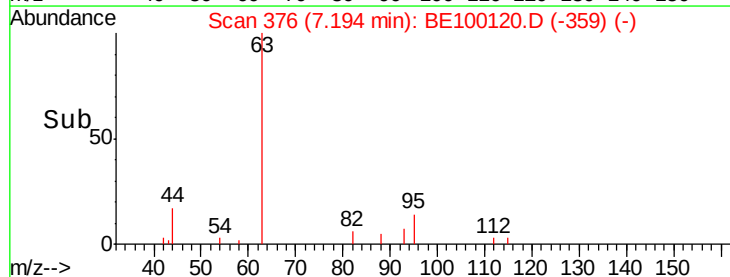
95 350.0 24.0 36.0#

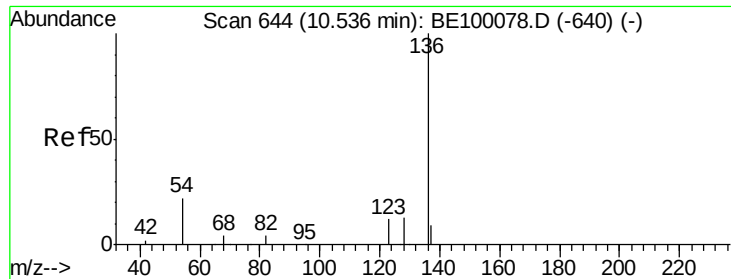


Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

Tgt Ion: 136 Resp: 2018

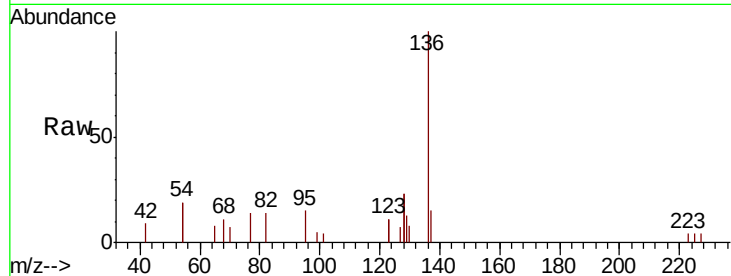
Ion Ratio Lower Upper

136 100

137 15.0 11.6 17.4

54 38.4 33.9 50.9

68 11.4 7.8 11.8

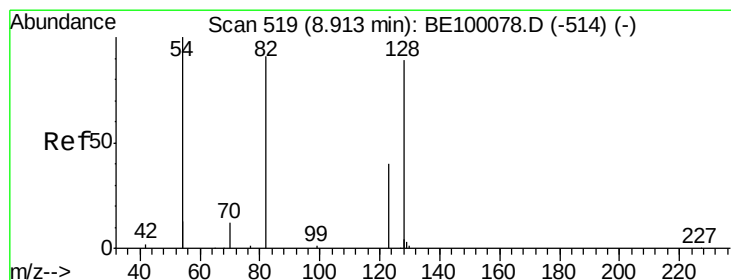
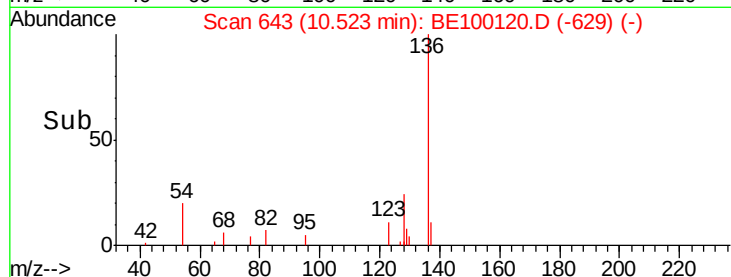
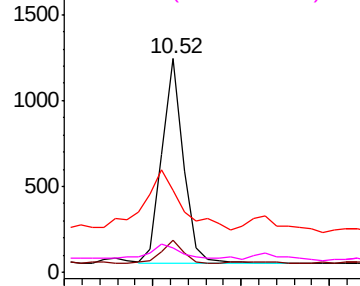


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.368 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

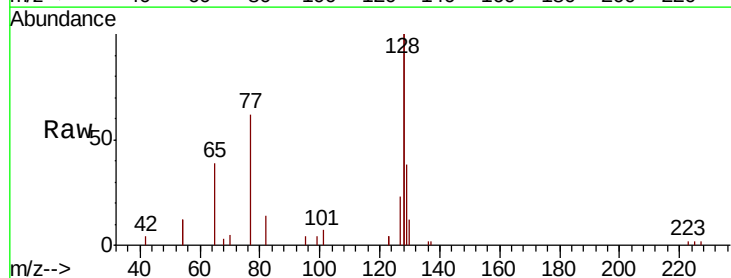
Tgt Ion: 82 Resp: 721

Ion Ratio Lower Upper

82 100

128 1473.1 128.0 192.0#

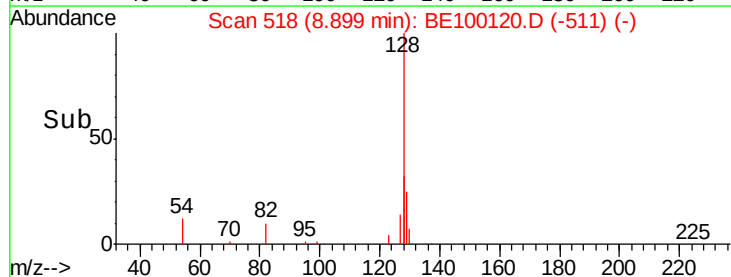
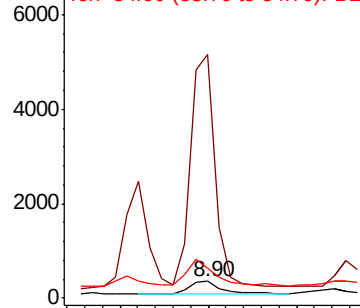
54 181.7 143.4 215.0

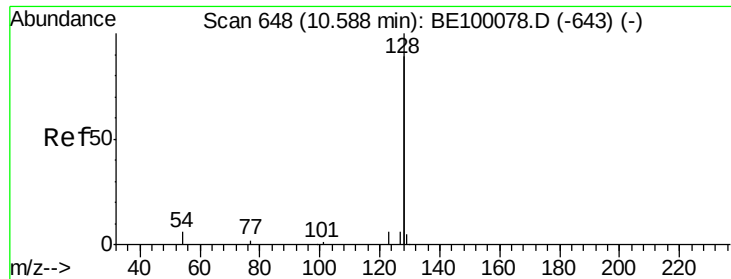


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

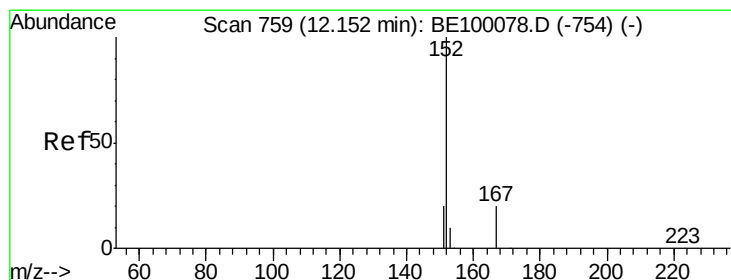
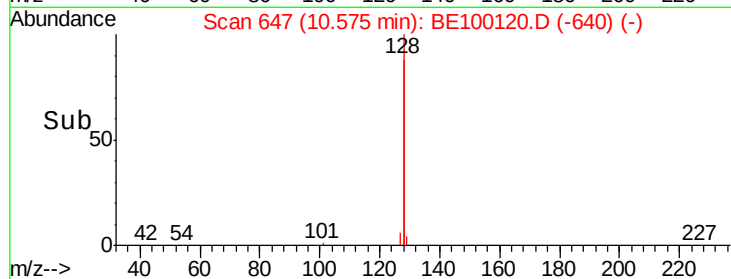
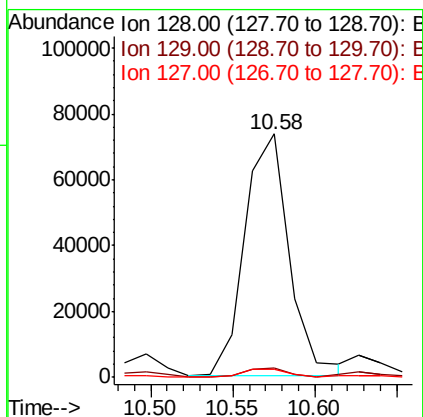
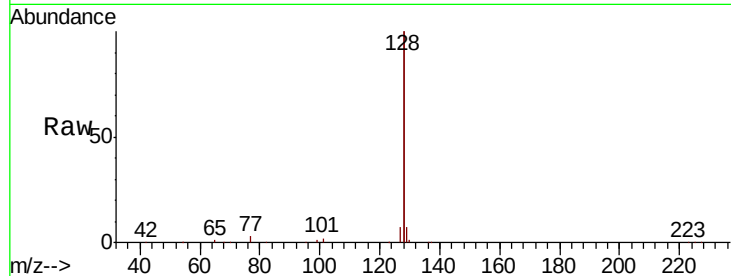




#9
Naphthalene
Concen: 6.343 ng
RT: 10.58 min Scan# 647
Delta R.T. -0.01 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

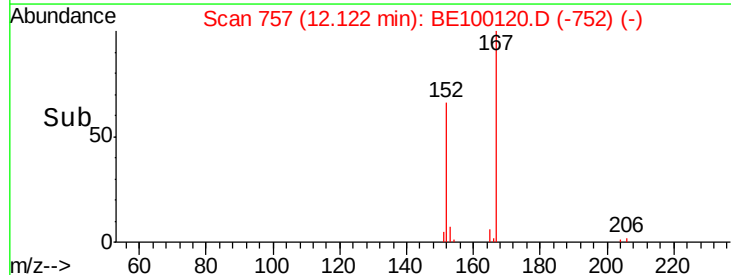
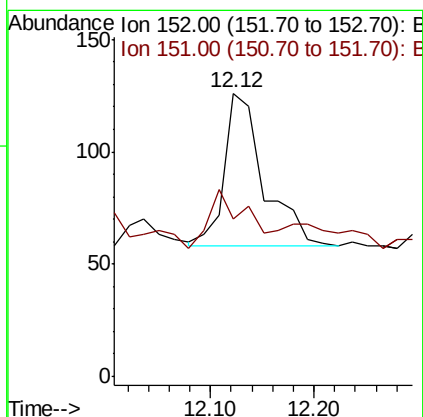
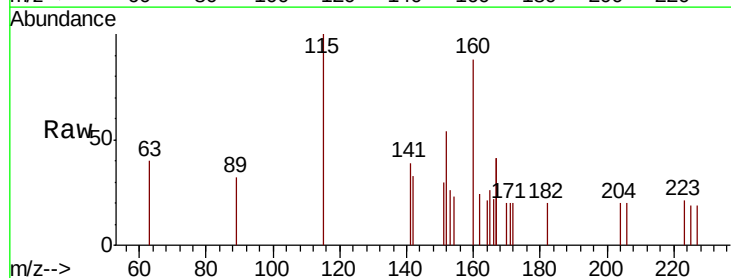
Instrument :
BNA_E
ClientSampleId :
DUP-01_061219

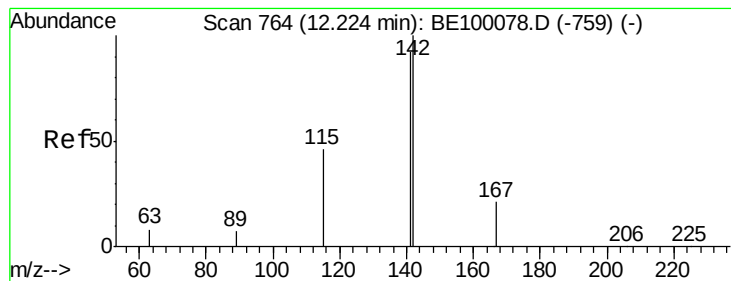
Tgt Ion:128 Resp: 139095
Ion Ratio Lower Upper
128 100
129 3.7 3.1 4.7
127 3.5 3.4 5.2



#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.03 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

Tgt Ion:152 Resp: 181
Ion Ratio Lower Upper
152 100
151 38.7 16.3 24.5#





#12

2-Methylnaphthalene

Concen: 6.030 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.03 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

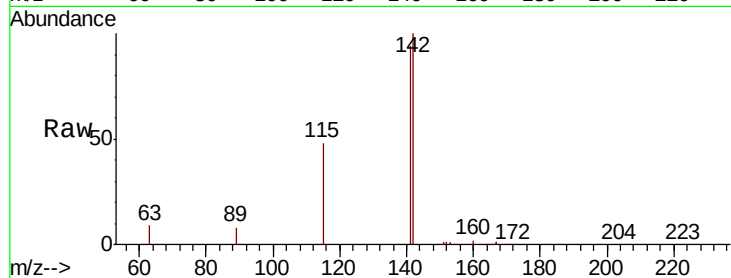
Tgt Ion:142 Resp: 21747

Ion Ratio Lower Upper

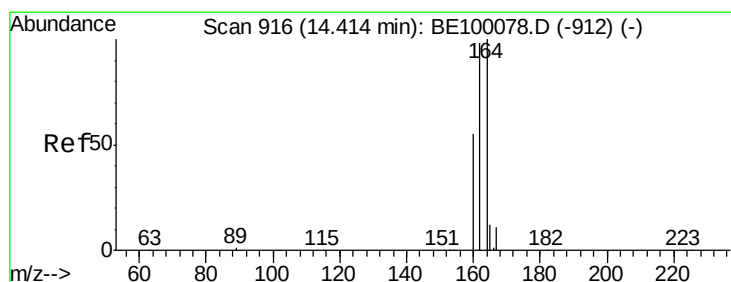
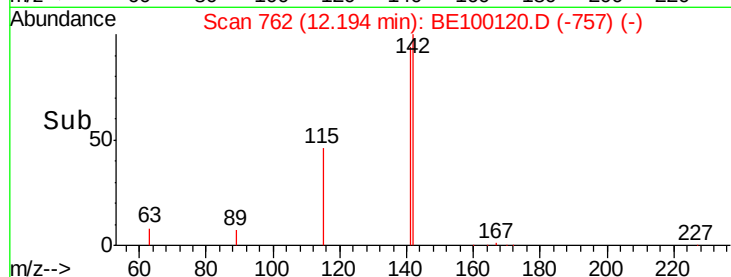
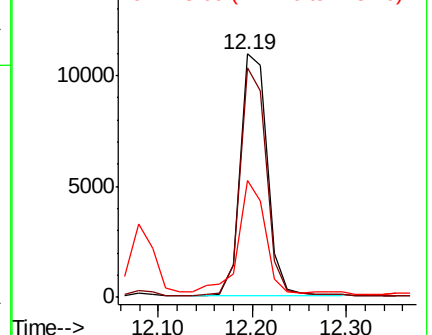
142 100

141 94.4 74.1 111.1

115 48.1 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. -0.02 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

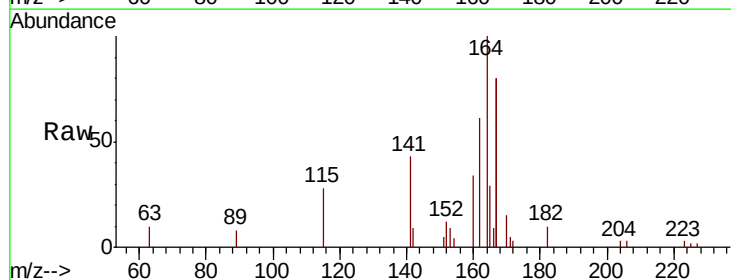
Tgt Ion:164 Resp: 4411

Ion Ratio Lower Upper

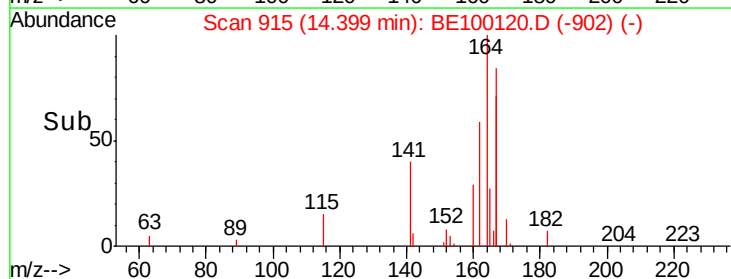
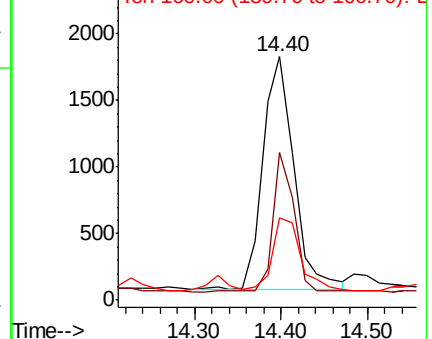
164 100

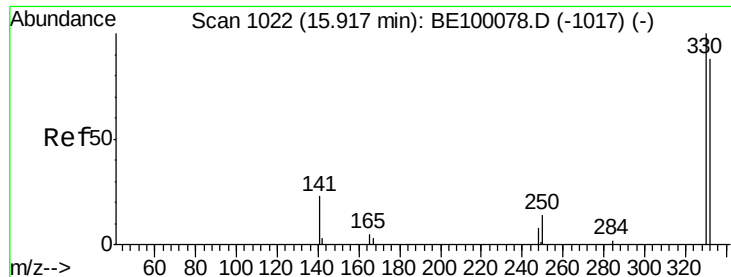
162 60.9 78.2 117.2#

160 33.8 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

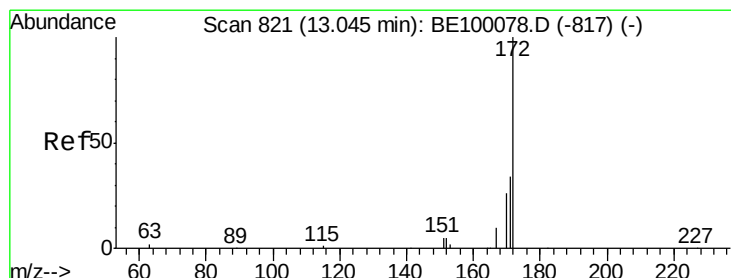
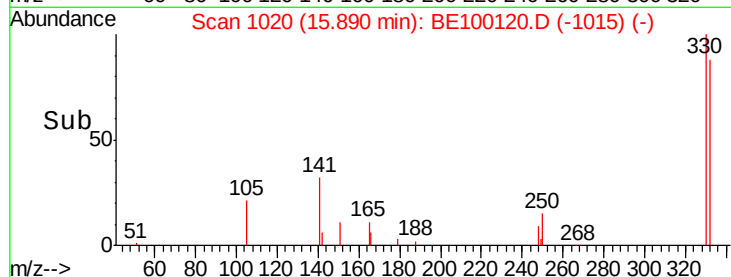
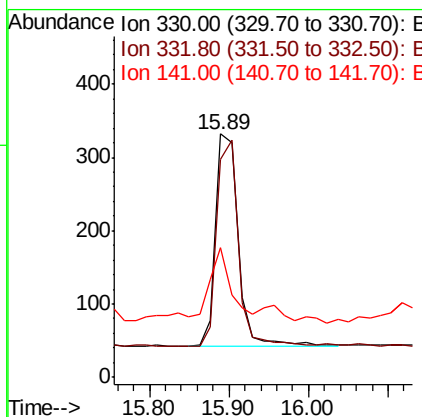
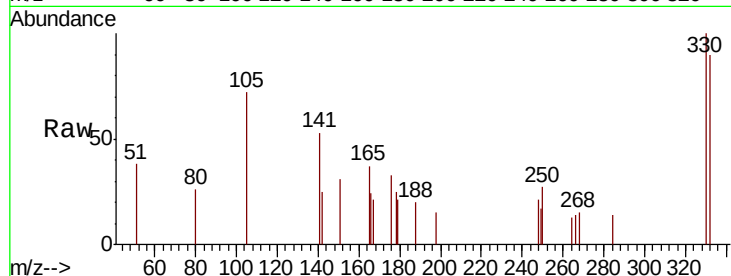




#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.89 min Scan# 1020
Delta R.T. -0.03 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

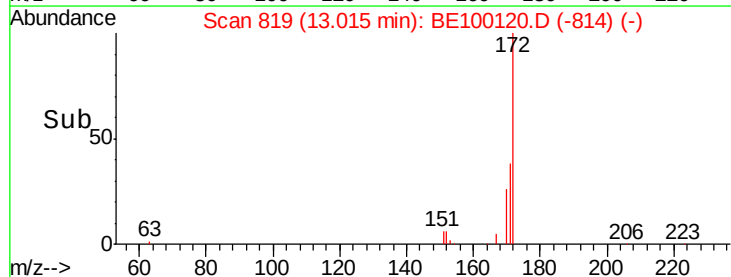
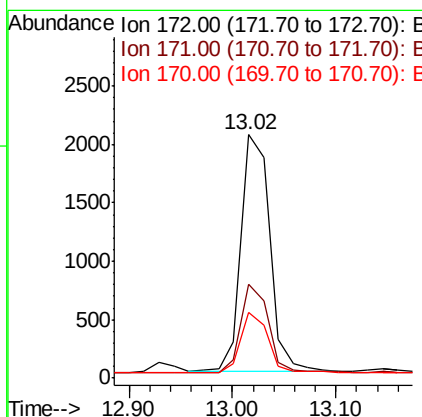
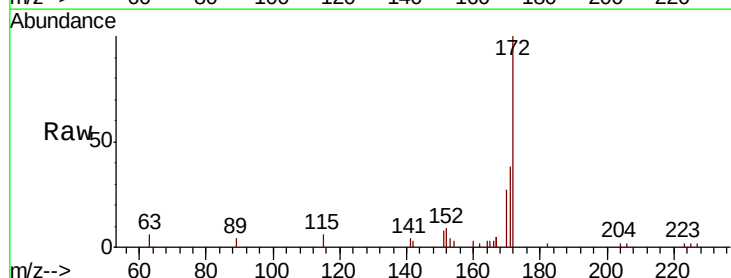
Instrument :
BNA_E
ClientSampleId :
DUP-01_061219

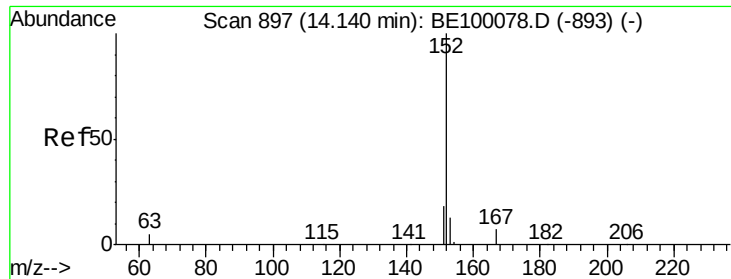
Tgt Ion:330 Resp: 569
Ion Ratio Lower Upper
330 100
332 94.2 73.3 109.9
141 27.9 22.2 33.2



#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.03 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

Tgt Ion:172 Resp: 3906
Ion Ratio Lower Upper
172 100
171 38.4 29.8 44.8
170 27.1 23.2 34.8

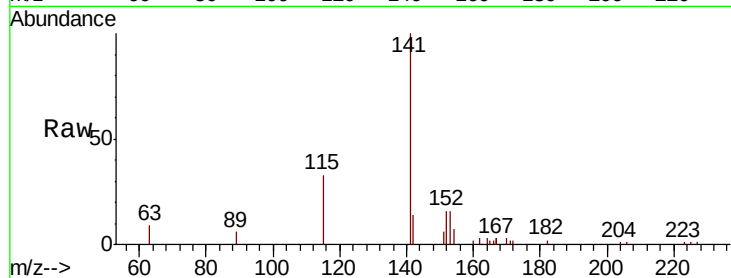




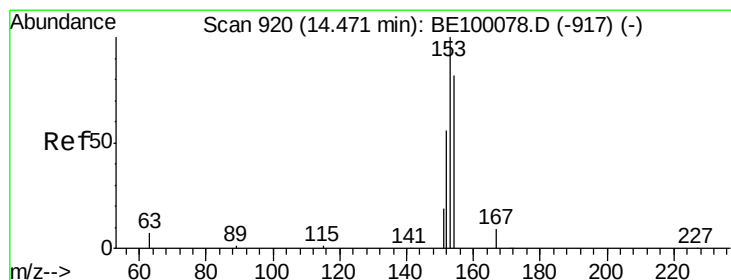
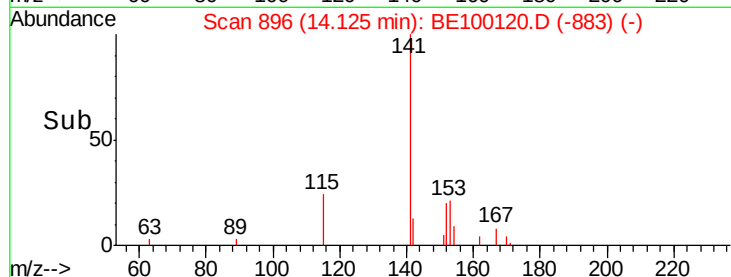
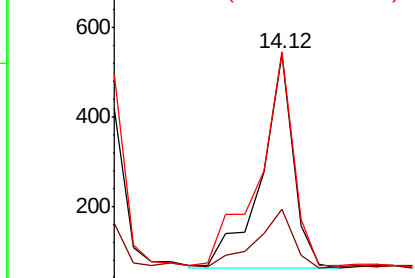
#16
Acenaphthylene
Concen: 0.040 ng
RT: 14.12 min Scan# 896
Delta R.T. -0.02 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

Instrument :
BNA_E
ClientSampleId :
DUP-01_061219

Tgt Ion:152 Resp: 833
Ion Ratio Lower Upper
152 100
151 30.9 15.9 23.9#
153 108.6 10.1 15.1#

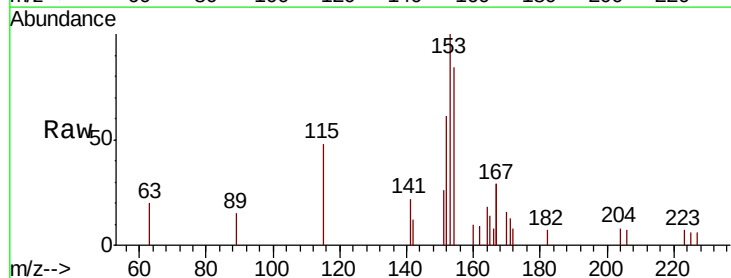


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

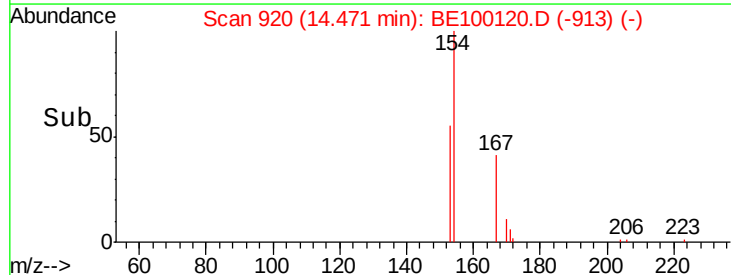
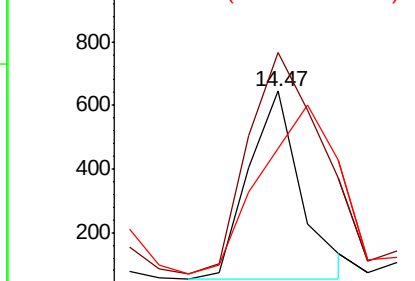


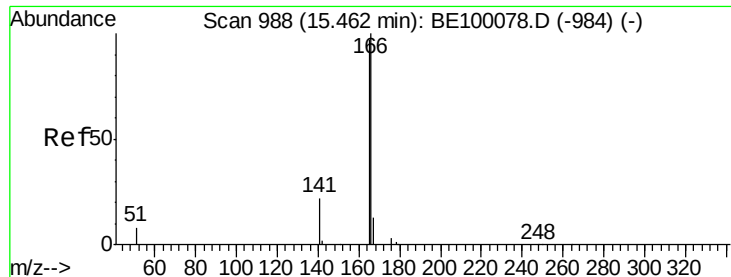
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100120.D
Acq: 20 Jun 2019 23:06

Tgt Ion:154 Resp: 1054
Ion Ratio Lower Upper
154 100
153 162.1 95.5 143.3#
152 129.2 54.9 82.3#



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





#18

Fluorene

Concen: 0.235 ng

RT: 15.45 min Scan# 987

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

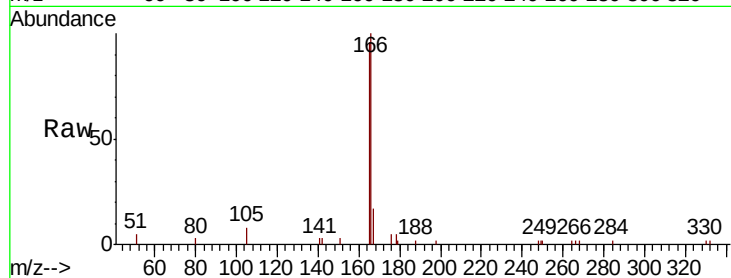
Tgt Ion:166 Resp: 4100

Ion Ratio Lower Upper

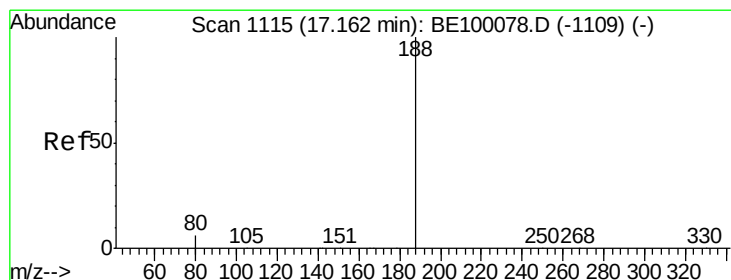
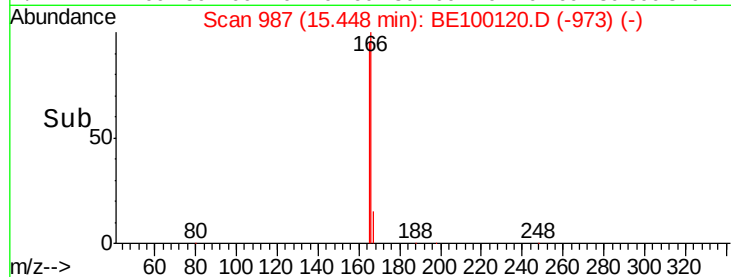
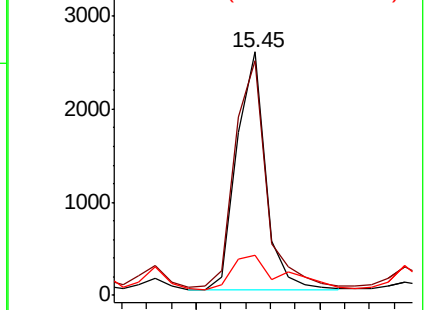
166 100

165 104.1 79.8 119.8

167 24.6 10.2 15.4#



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: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

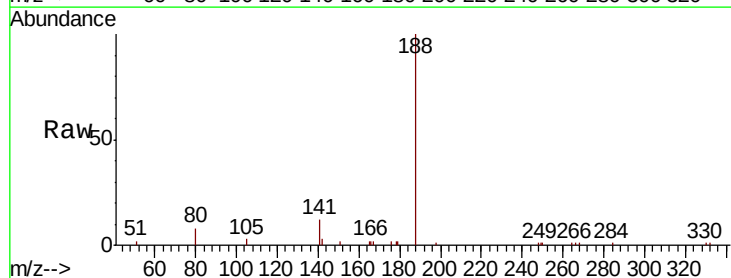
Tgt Ion:188 Resp: 6035

Ion Ratio Lower Upper

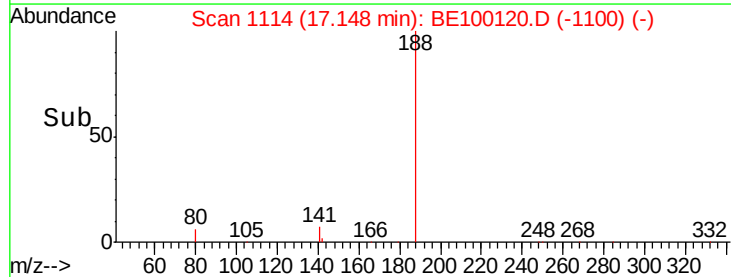
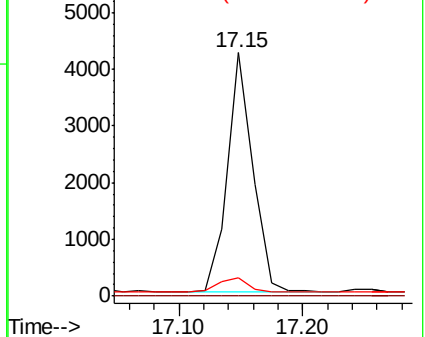
188 100

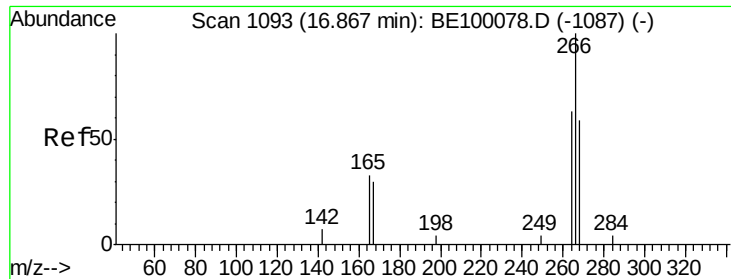
94 0.0 0.0 0.0

80 7.8 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

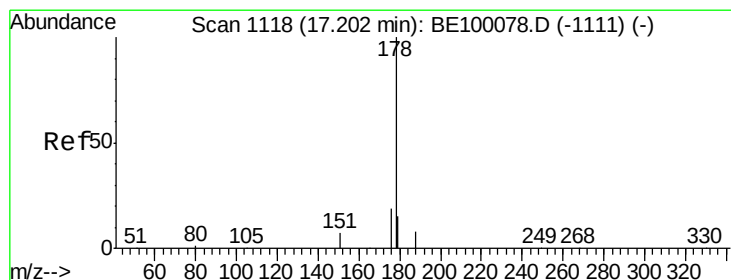
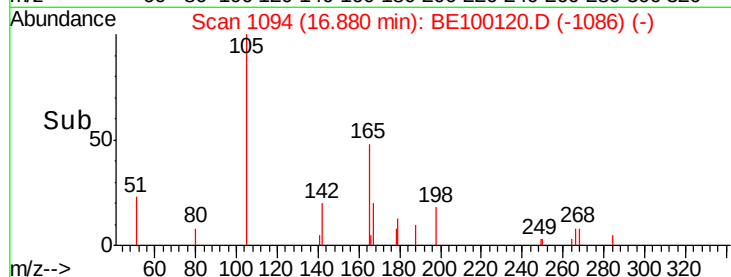
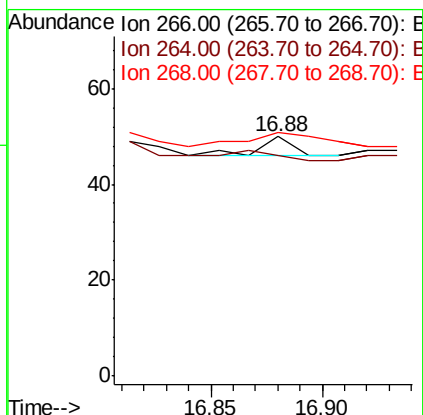
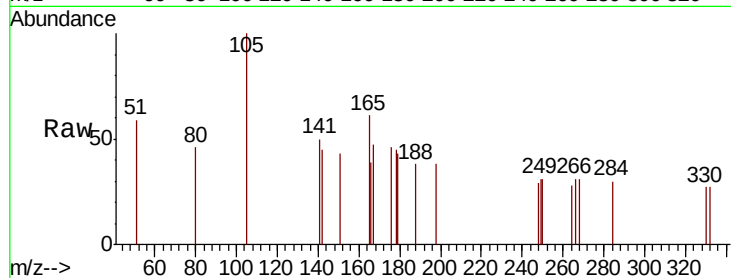




#22
 Pentachlorophenol
 Concen: 0.245 ng
 RT: 16.88 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: BE100120.D
 Acq: 20 Jun 2019 23:06

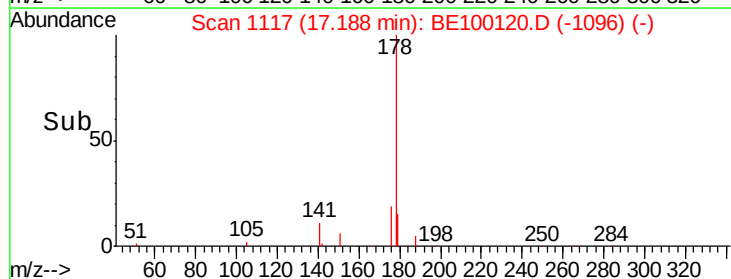
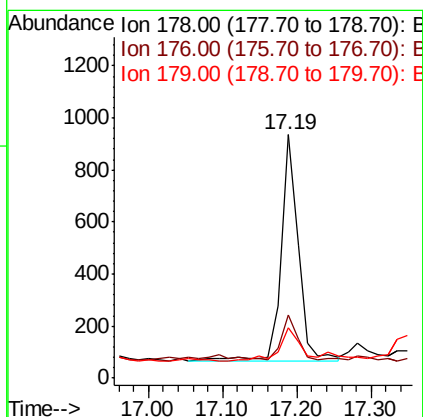
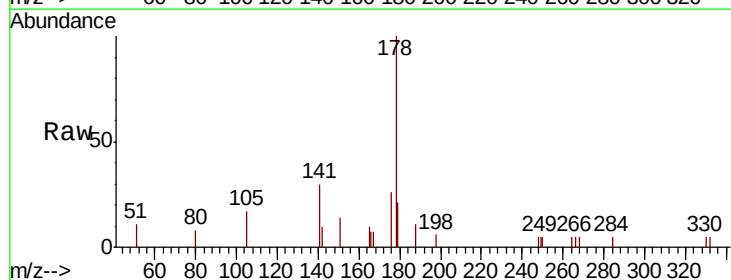
Instrument :
 BNA_E
 ClientSampleId :
 DUP-01_061219

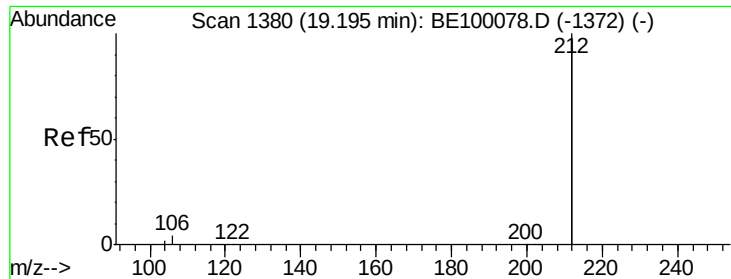
Tgt Ion: 266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 92.0 67.8 101.6
 268 102.0 70.0 105.0



#23
 Phenanthrene
 Concen: 0.095 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100120.D
 Acq: 20 Jun 2019 23:06

Tgt Ion: 178 Resp: 1380
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.9 23.9
 179 17.0 13.1 19.7





#25

Fluoranthene-d10

Concen: 0.038 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

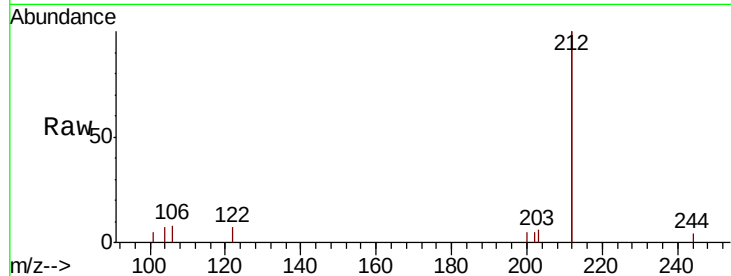
Tgt Ion:212 Resp: 3268

Ion Ratio Lower Upper

212 100

106 2.4 1.4 2.0#

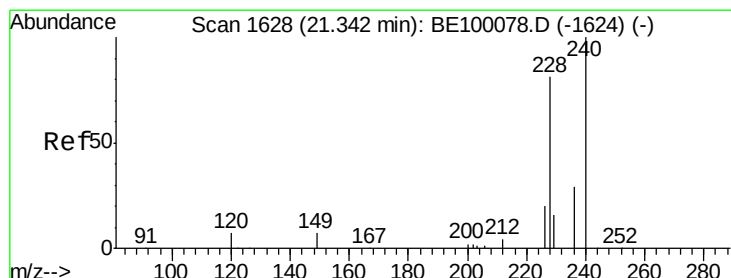
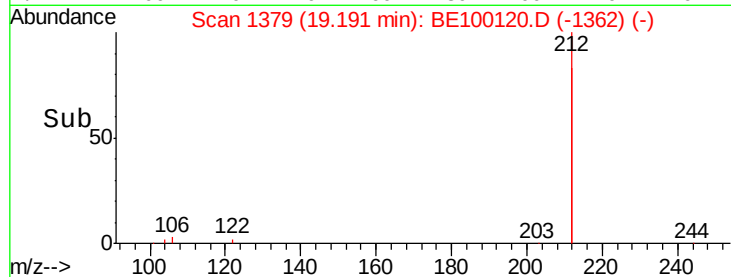
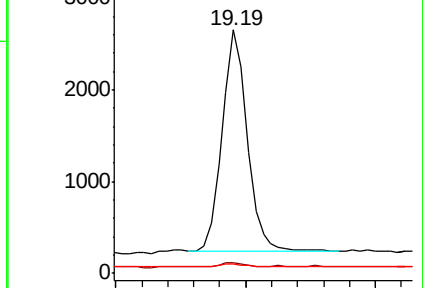
104 1.6 0.8 1.2#



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

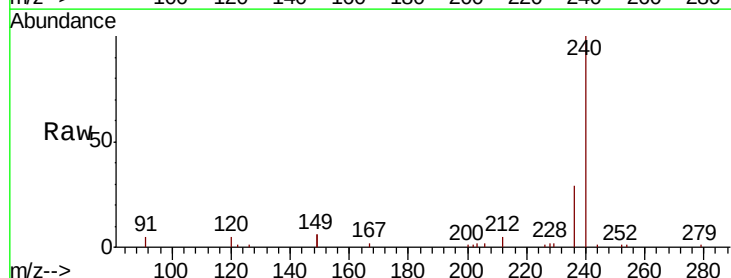
Tgt Ion:240 Resp: 8992

Ion Ratio Lower Upper

240 100

120 4.8 6.6 10.0#

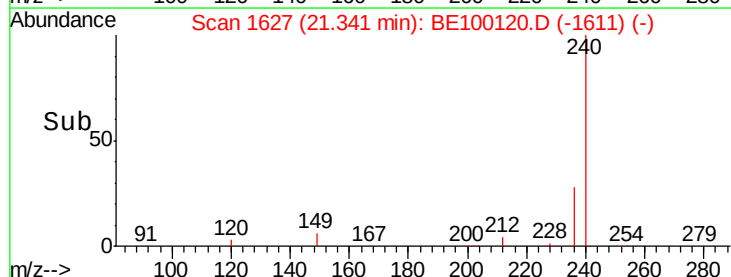
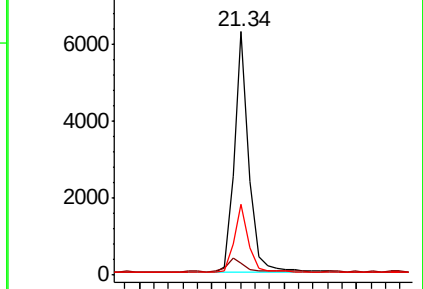
236 28.9 23.8 35.6

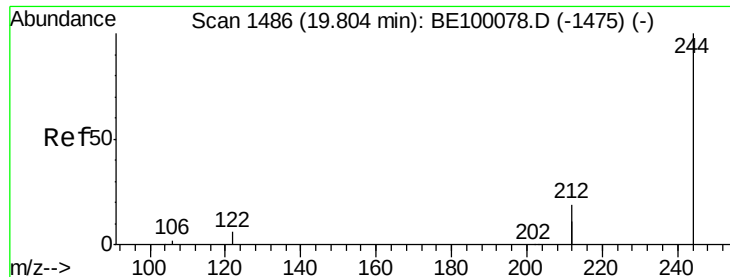


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.574 ng

RT: 19.79 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

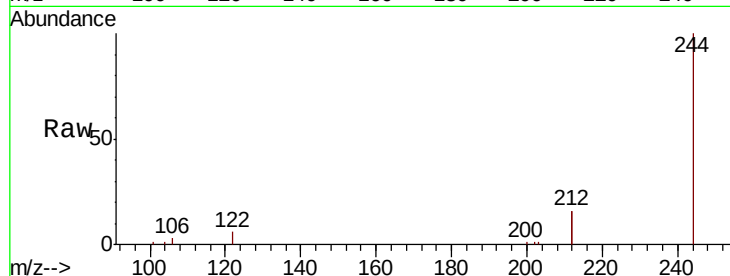
Tgt Ion:244 Resp: 10319

Ion Ratio Lower Upper

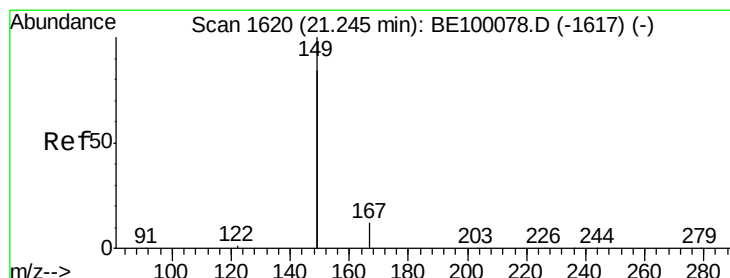
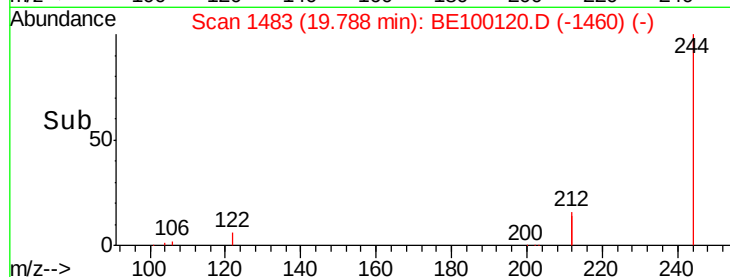
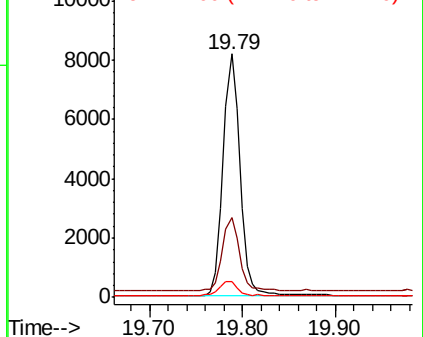
244 100

212 32.7 29.8 44.8

122 6.5 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: 0.266 ng

RT: 21.24 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

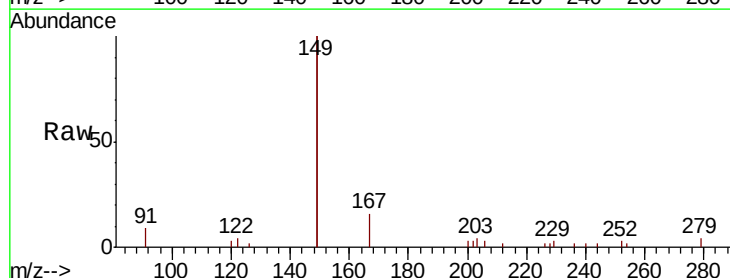
Tgt Ion:149 Resp: 6702

Ion Ratio Lower Upper

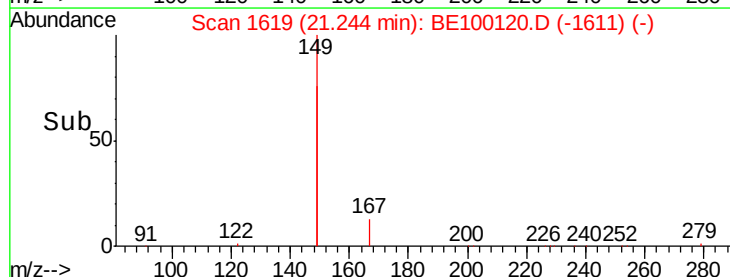
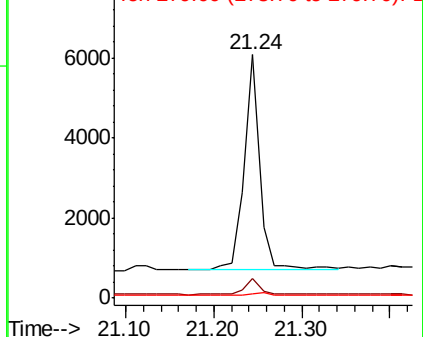
149 100

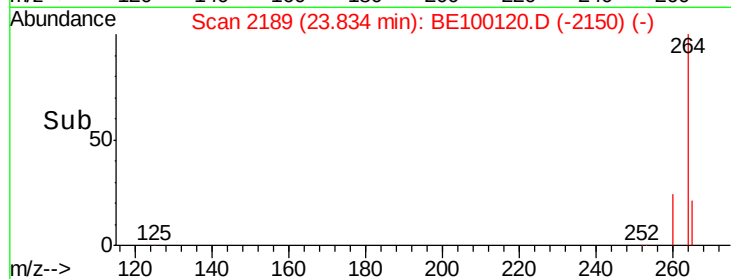
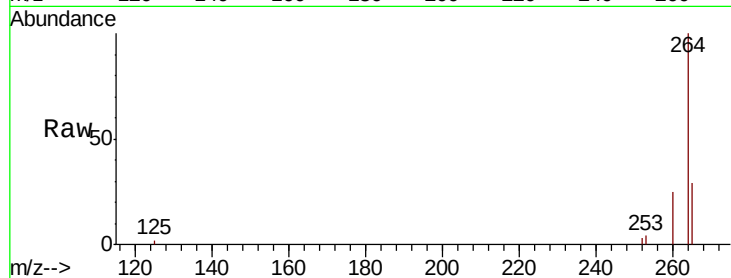
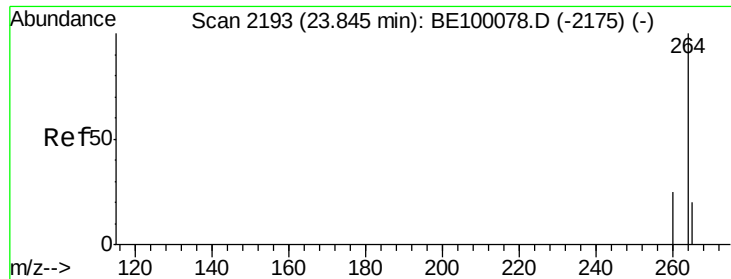
167 7.1 5.8 8.6

279 2.1 1.1 1.7#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE100120.D

Acq: 20 Jun 2019 23:06

Instrument :

BNA_E

ClientSampleId :

DUP-01_061219

Tgt Ion:264 Resp: 10189

Ion Ratio Lower Upper

264 100

260 25.4 20.8 31.2

265 28.6 23.2 34.8

