

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070119\
 Data File : BE100284.D
 Acq On : 2 Jul 2019 3:34
 Operator : JU/SJ
 Sample : K3446-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXT-008-SW123-061819-1

Quant Time: Jul 02 04:08:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	960	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3214	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2513	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6720	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9094	0.40	ng	0.00
34) Perylene-d12	23.68	264	10260	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	799	0.33	ng	0.01
5) Phenol-d6	6.83	99	1084	0.34	ng	0.00
8) Nitrobenzene-d5	8.81	82	1126	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2164	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	680	0.39	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	3186	0.33	ng	-0.01
25) Fluoranthene-d10	19.10	212	31335	0.32	ng	0.00
29) Terphenyl-d14	19.70	244	7322	0.39	ng	0.00

Target Compounds

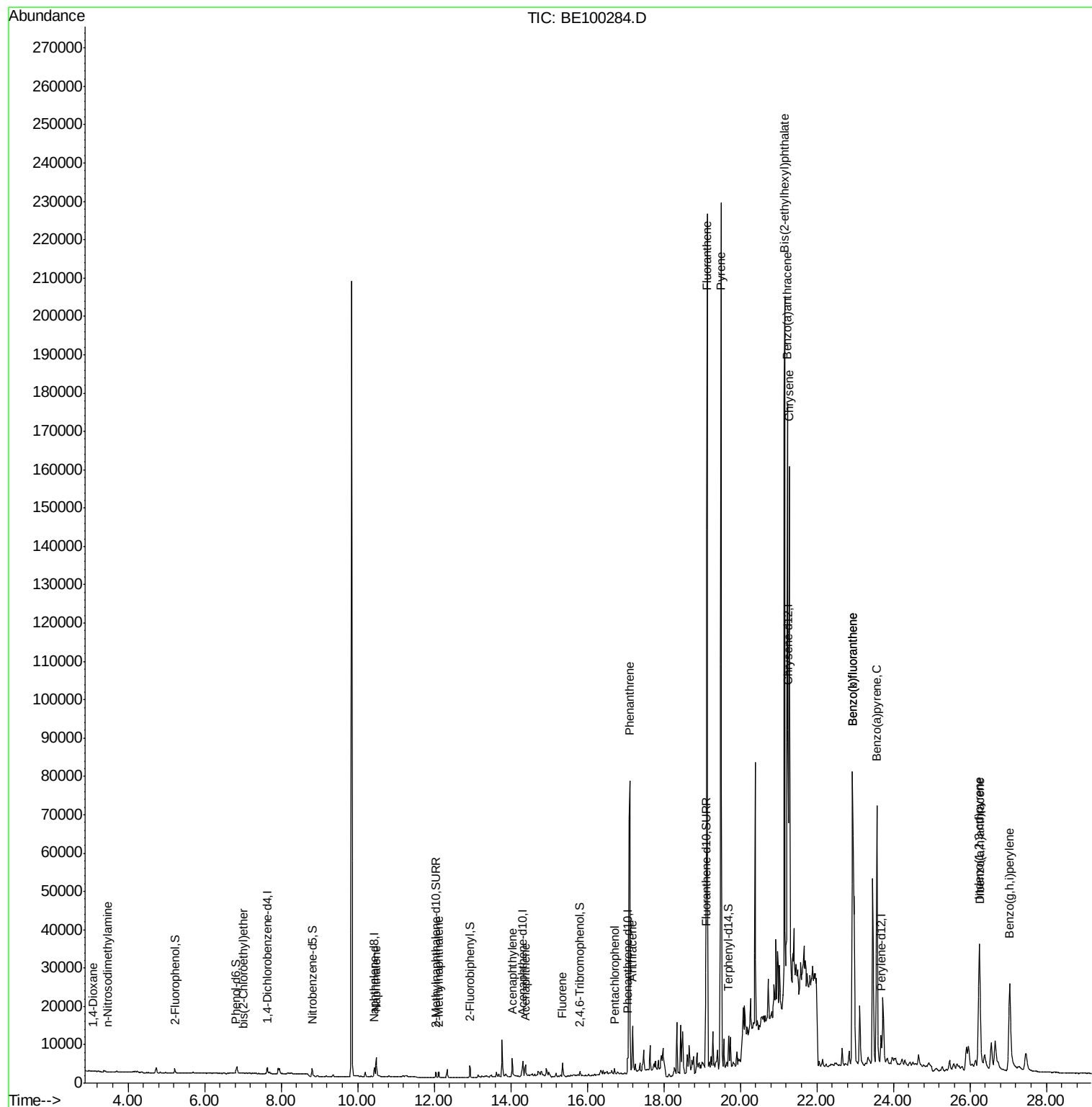
						Qvalue
2) 1,4-Dioxane	3.08	88	34	0.023	ng	# 1
3) n-Nitrosodimethylamine	3.48	42	16	0.023	ng	# 1
6) bis(2-Chloroethyl)ether	7.00	93	75	0.028	ng	# 17
9) Naphthalene	10.49	128	8436	0.238	ng	99
12) 2-Methylnaphthalene	12.12	142	1260	0.203	ng	97
16) Acenaphthylene	14.04	152	6257	0.519	ng	98
17) Acenaphthene	14.38	154	1451	0.212	ng	97
18) Fluorene	15.35	166	3298	0.326	ng	# 94
22) Pentachlorophenol	16.72	266	37	0.028	ng	# 77
23) Phenanthrene	17.11	178	91434	5.614	ng	99
24) Anthracene	17.19	178	13944	0.951	ng	# 94
26) Fluoranthene	19.13	202	211143	8.139	ng	99
28) Pyrene	19.49	202	202835	8.425	ng	# 96
30) Benzo(a)anthracene	21.23	228	124925	4.178	ng	97
31) Chrysene	21.28	228	117503	3.913	ng	95
32) Bis(2-ethylhexyl)phthalate	21.16	149	258551	6.060	ng	99
33) Indeno(1,2,3-cd)pyrene	26.25	276	70733	1.781	ng	# 95
35) Benzo(b)fluoranthene	22.94	252	152687	5.489	ng	# 98
36) Benzo(k)fluoranthene	22.94	252	152687	4.917	ng	97
37) Benzo(a)pyrene	23.57	252	106325	3.814	ng	# 96
38) Dibenzo(a,h)anthracene	26.26	278	17258	0.593	ng	# 82
39) Benzo(g,h,i)perylene	27.04	276	67994	2.273	ng	97

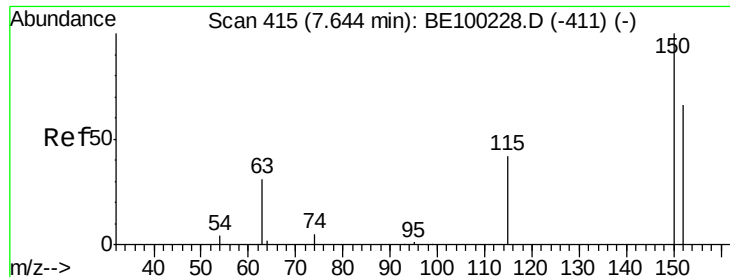
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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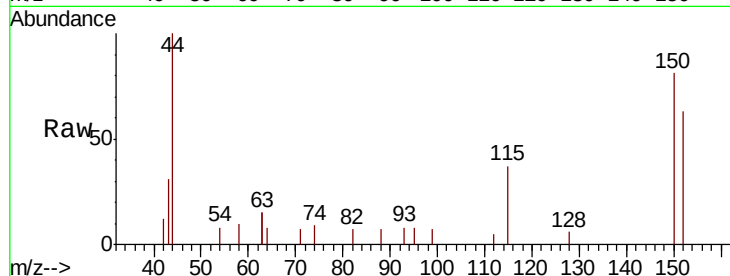


#1

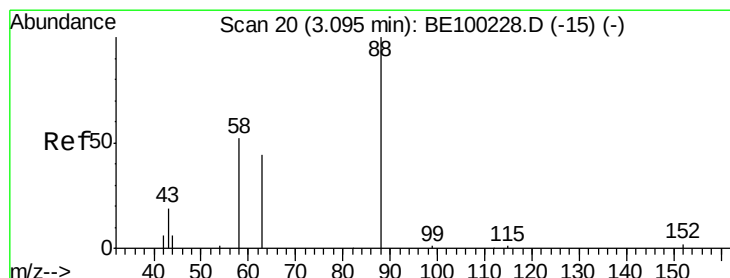
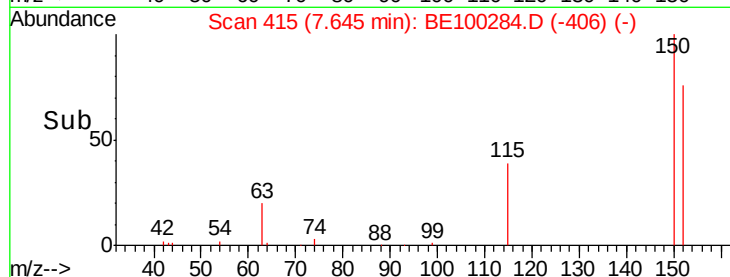
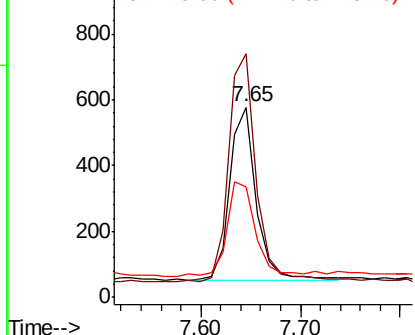
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

Instrument :
BNA_M
ClientSampleId :
EXT-008-SW123-061819-1

Tgt Ion: 152 Resp: 960
Ion Ratio Lower Upper
152 100
150 128.1 114.5 171.7
115 58.4 57.1 85.7



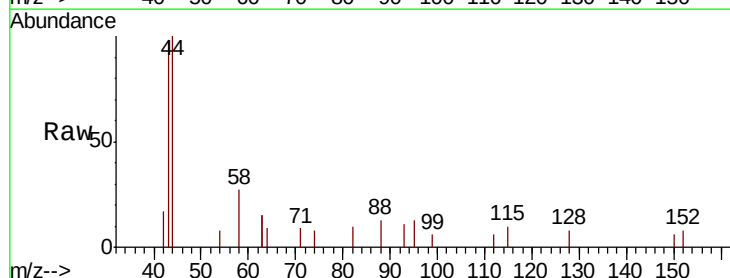
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



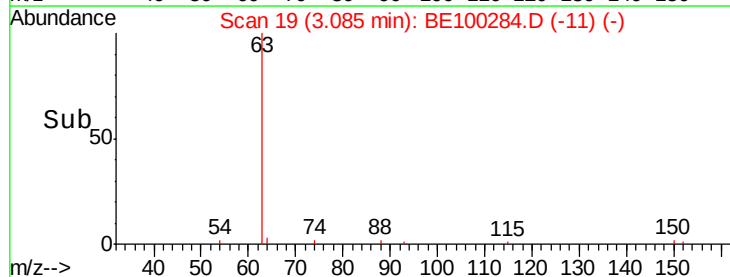
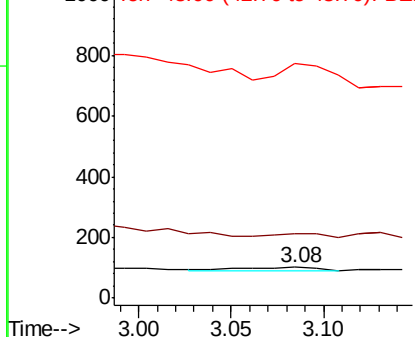
#2

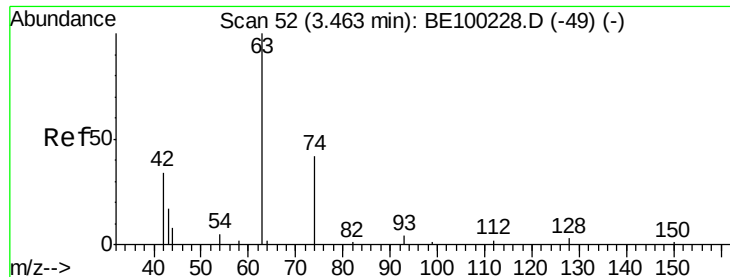
1,4-Dioxane
Concen: 0.023 ng
RT: 3.08 min Scan# 19
Delta R.T. -0.01 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

Tgt Ion: 88 Resp: 34
Ion Ratio Lower Upper
88 100
58 64.7 43.6 65.4
43 438.2 21.4 32.0#



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: 0.023 ng

RT: 3.48 min Scan# 53

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

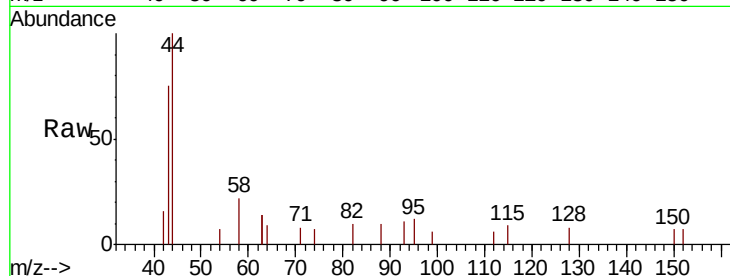
Tgt Ion: 42 Resp: 16

Ion Ratio Lower Upper

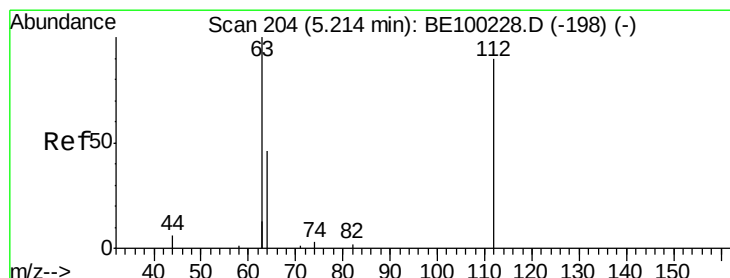
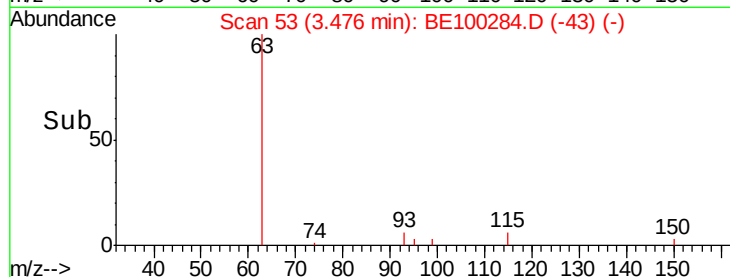
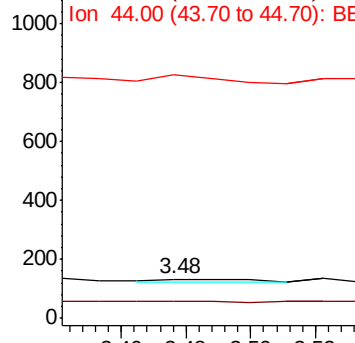
42 100

74 0.0 130.6 196.0#

44 0.0 38.0 57.0#



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: 0.326 ng

RT: 5.23 min Scan# 205

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

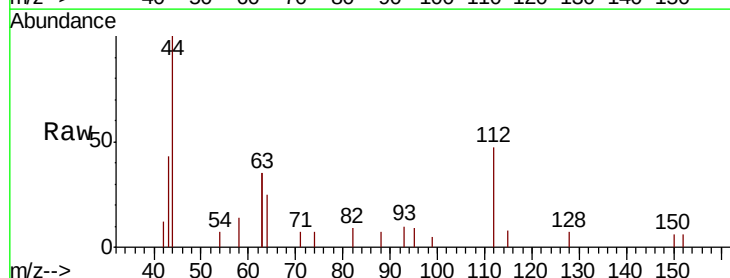
Tgt Ion: 112 Resp: 799

Ion Ratio Lower Upper

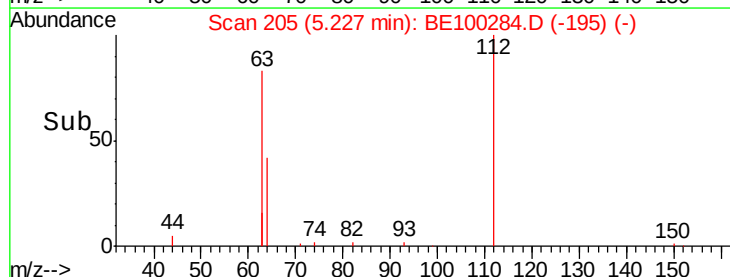
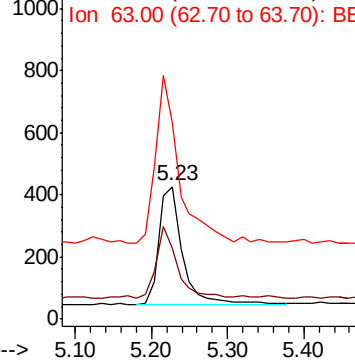
112 100

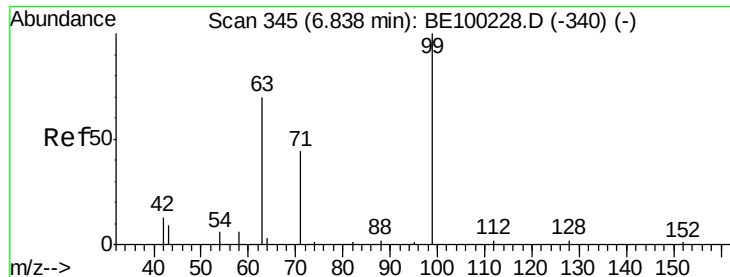
64 55.8 39.4 59.0

63 140.8 104.5 156.7



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: 0.337 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

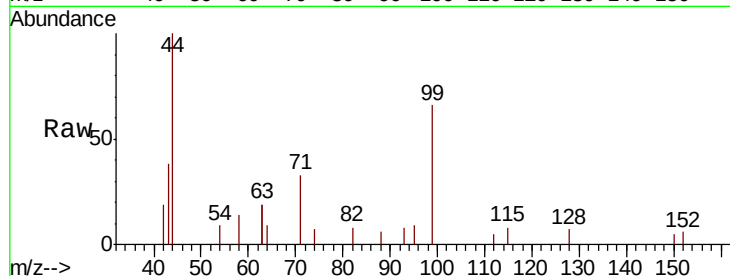
Tgt Ion: 99 Resp: 1084

Ion Ratio Lower Upper

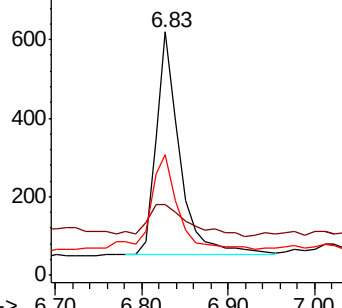
99 100

42 24.1 11.2 16.8#

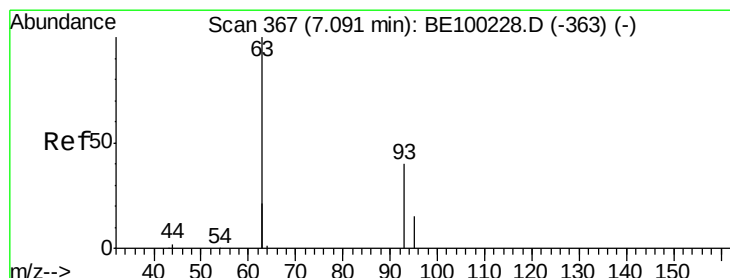
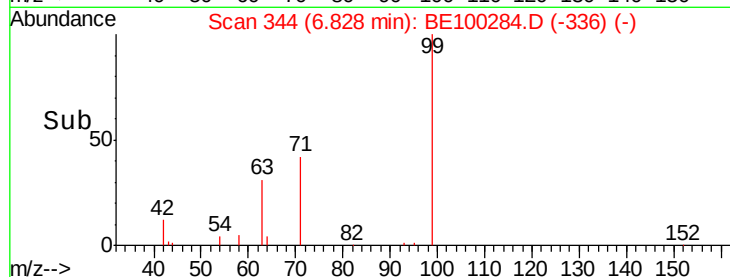
71 47.6 37.2 55.8



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--> 6.70 6.80 6.90 7.00



#6

bis(2-Chloroethyl)ether

Concen: 0.028 ng

RT: 7.00 min Scan# 359

Delta R.T. -0.09 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

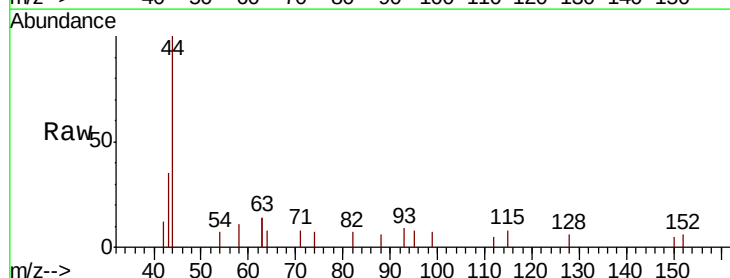
Tgt Ion: 93 Resp: 75

Ion Ratio Lower Upper

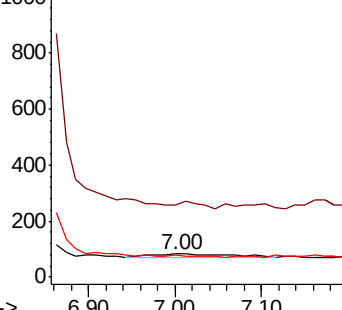
93 100

63 64.0 155.6 233.4#

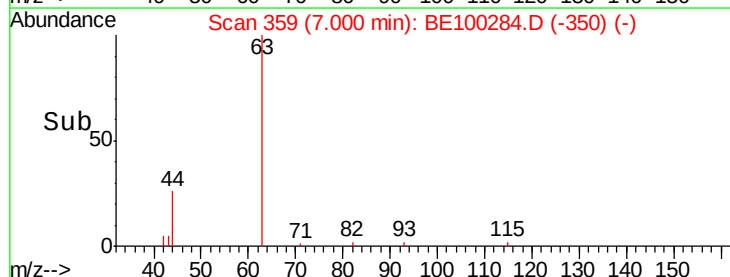
95 0.0 23.0 34.4#

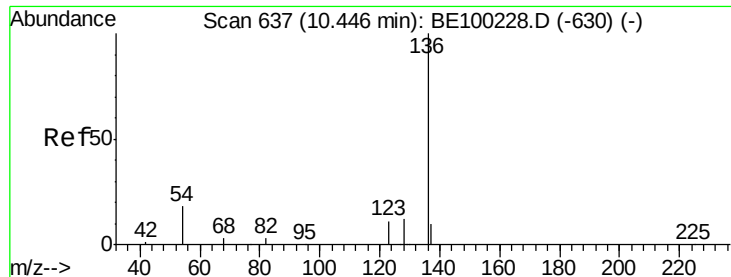


Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1



Time--> 6.90 7.00 7.10





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

Tgt Ion: 136 Resp: 3214

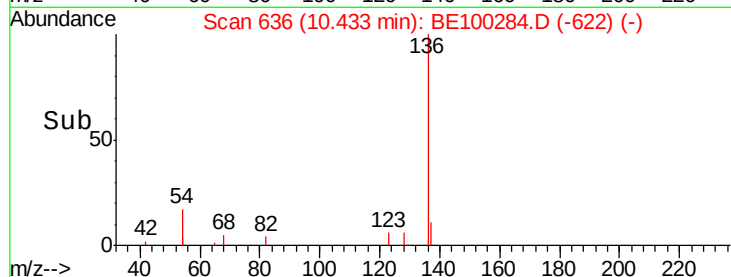
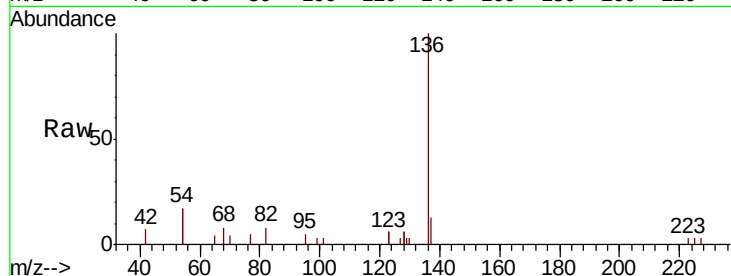
Ion Ratio Lower Upper

136 100

137 13.1 11.8 17.8

54 33.2 27.7 41.5

68 8.4 6.8 10.2

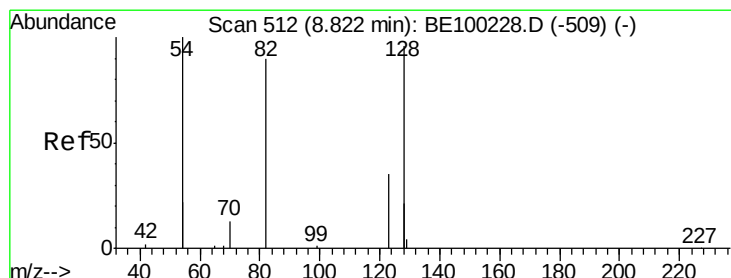
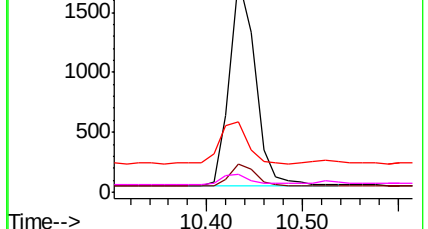


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.353 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

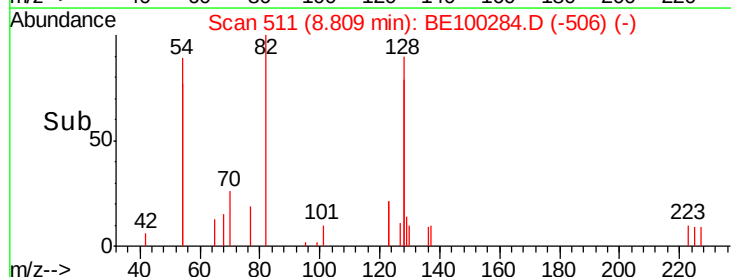
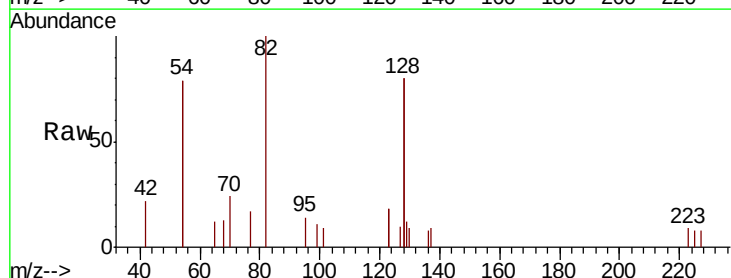
Tgt Ion: 82 Resp: 1126

Ion Ratio Lower Upper

82 100

128 159.5 140.9 211.3

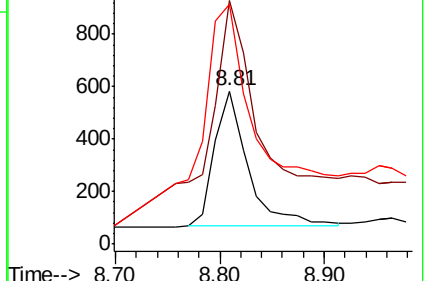
54 157.4 146.2 219.2

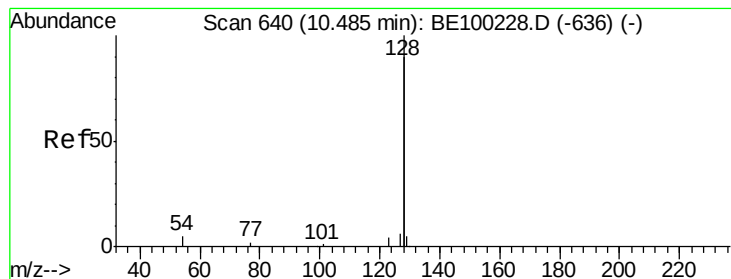


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.238 ng

RT: 10.49 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

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ClientSampleId :

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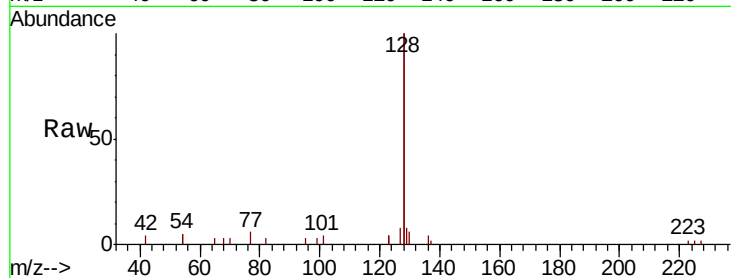
Tgt Ion:128 Resp: 8436

Ion Ratio Lower Upper

128 100

129 3.9 3.0 4.6

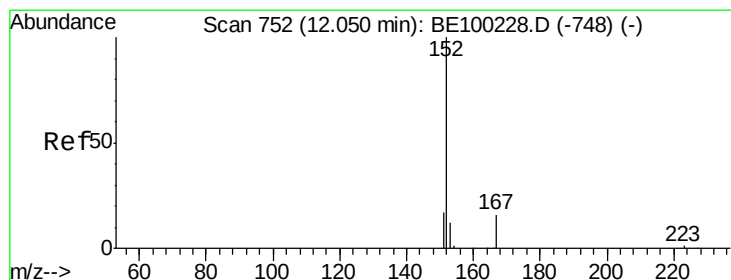
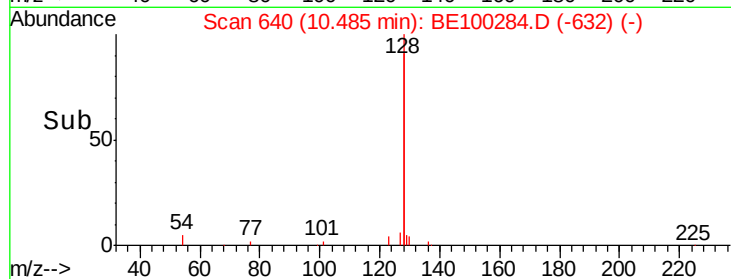
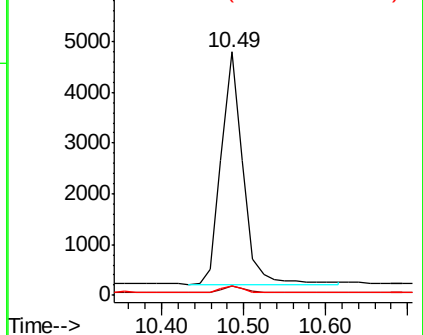
127 4.0 3.5 5.3



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: 0.358 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100284.D

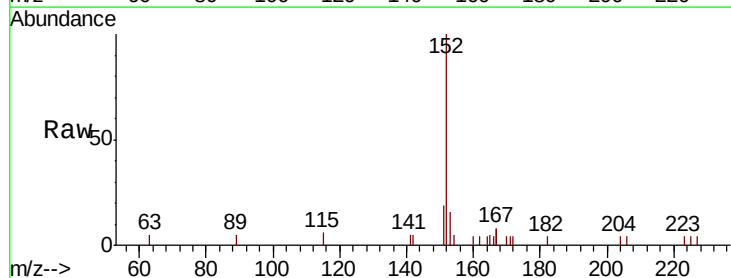
Acq: 2 Jul 2019 3:34

Tgt Ion:152 Resp: 2164

Ion Ratio Lower Upper

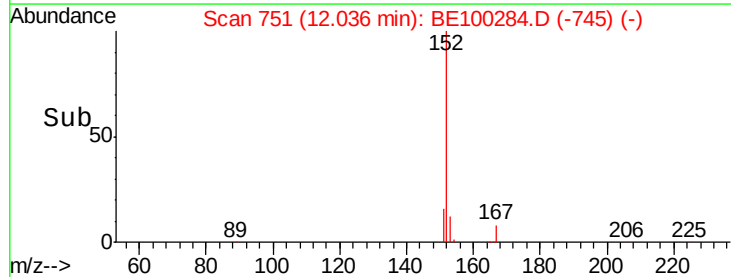
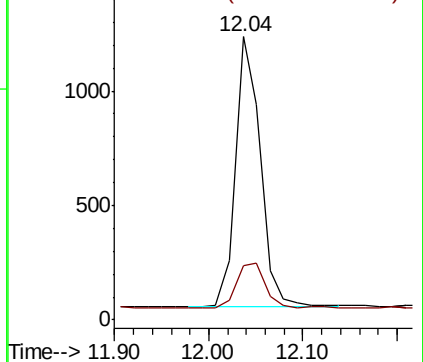
152 100

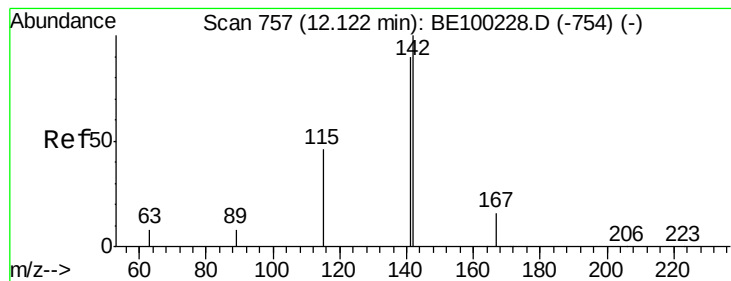
151 19.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.203 ng

RT: 12.12 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

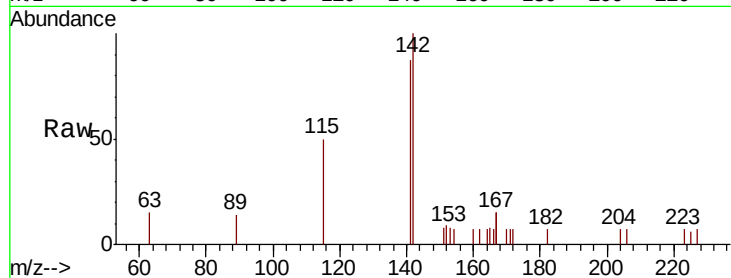
Tgt Ion:142 Resp: 1260

Ion Ratio Lower Upper

142 100

141 86.6 72.4 108.6

115 49.6 40.4 60.6

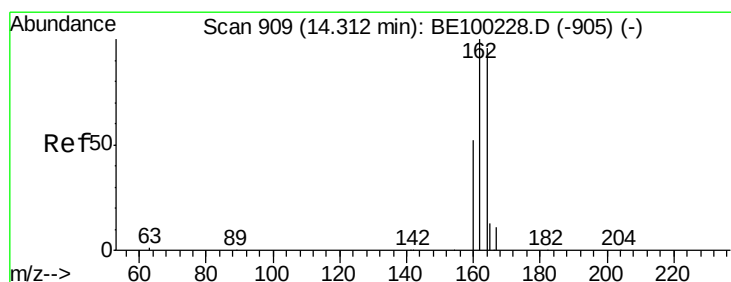
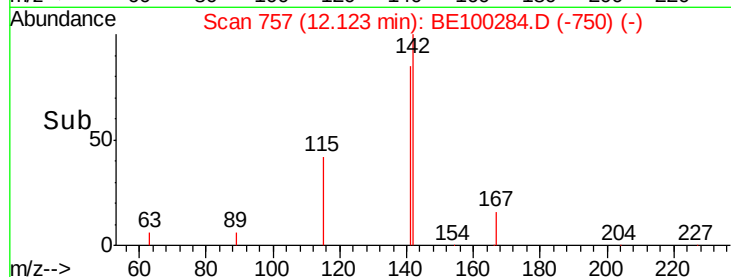
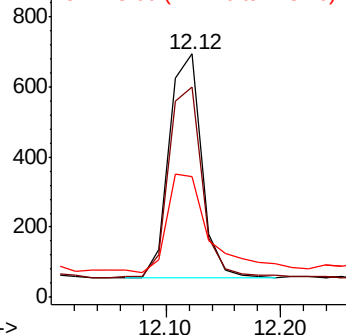


Abundance

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: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

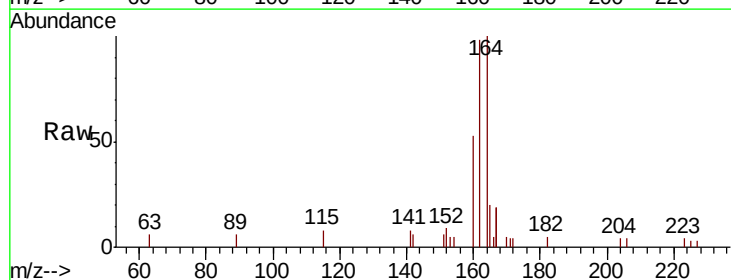
Tgt Ion:164 Resp: 2513

Ion Ratio Lower Upper

164 100

162 98.4 83.4 125.0

160 53.1 45.0 67.6

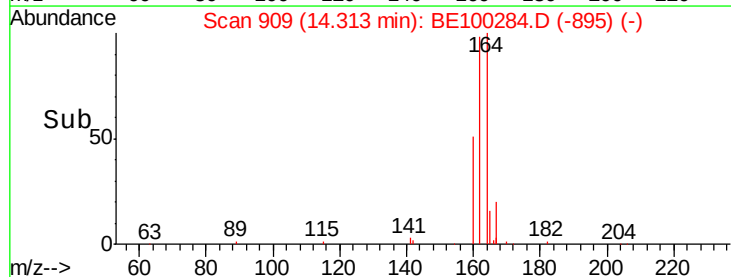
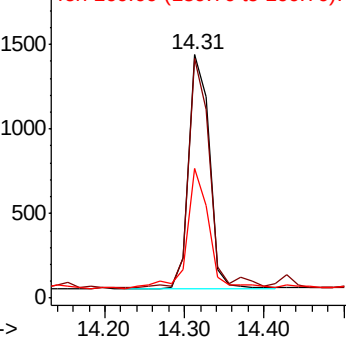


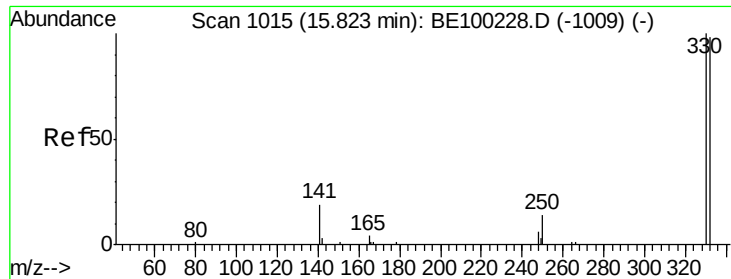
Abundance

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

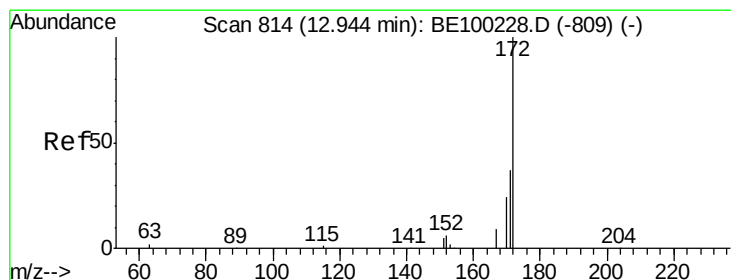
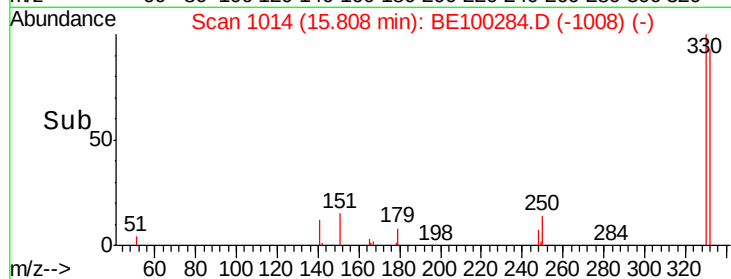
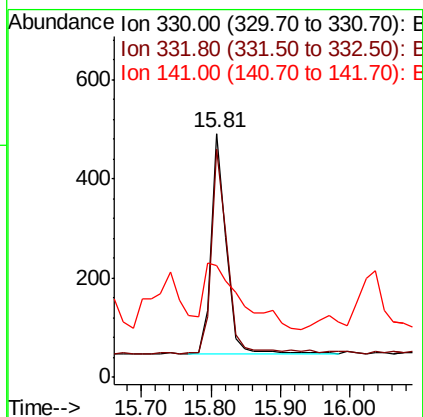
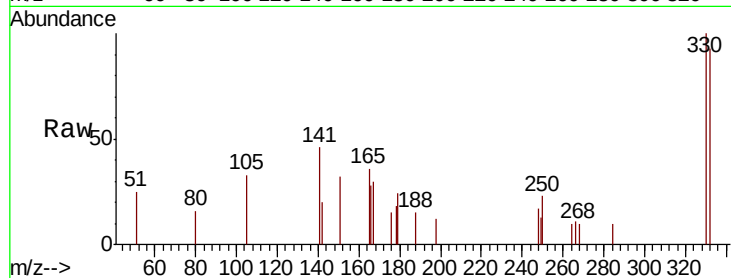




#14
 2,4,6-Tribromophenol
 Concen: 0.387 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

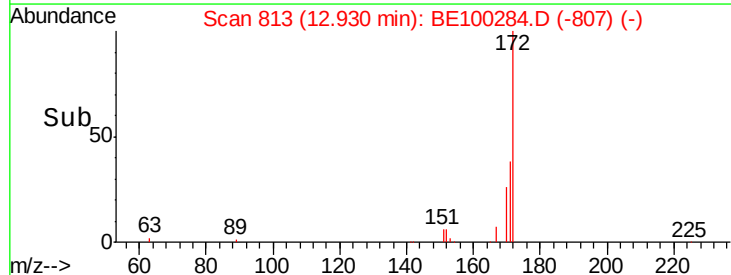
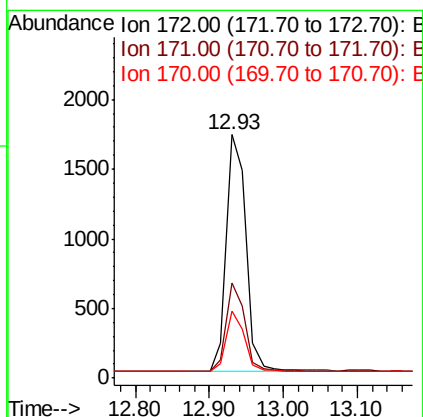
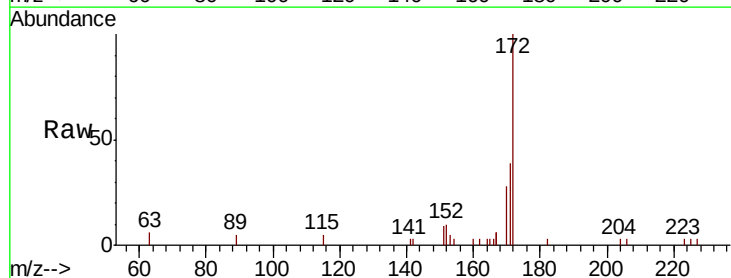
Instrument :
 BNA_M
 ClientSampleId :
 EXT-008-SW123-061819-1

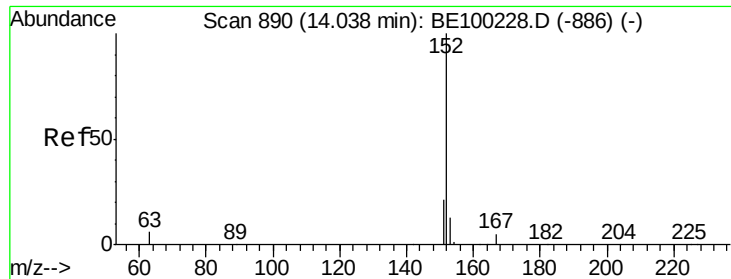
Tgt Ion: 330 Resp: 680
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.4
 141 71.3 22.0 33.0#



#15
 2-Fluorobiphenyl
 Concen: 0.325 ng
 RT: 12.93 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

Tgt Ion: 172 Resp: 3186
 Ion Ratio Lower Upper
 172 100
 171 39.2 31.9 47.9
 170 27.7 22.2 33.2

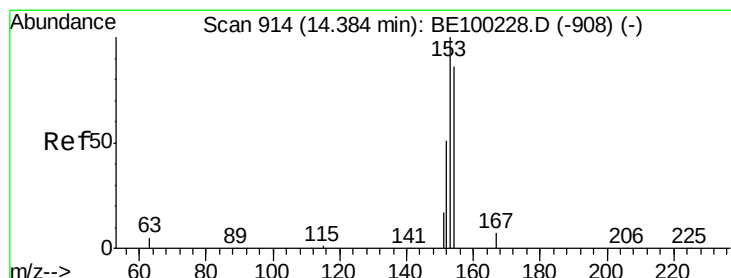
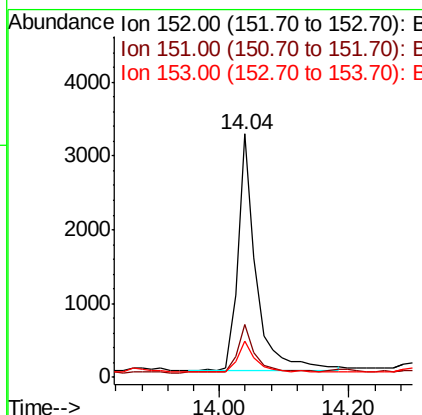
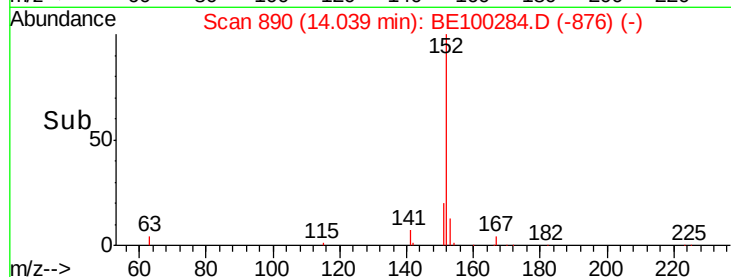
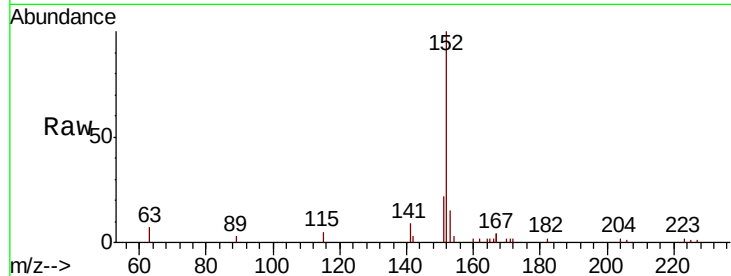




#16
Acenaphthylene
Concen: 0.519 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

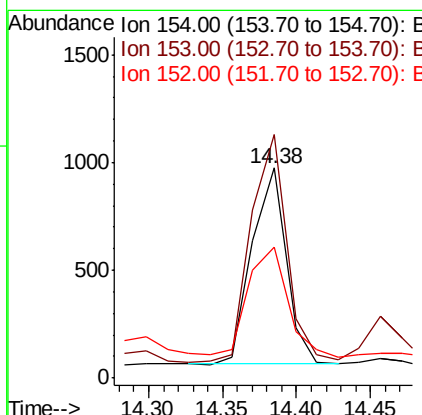
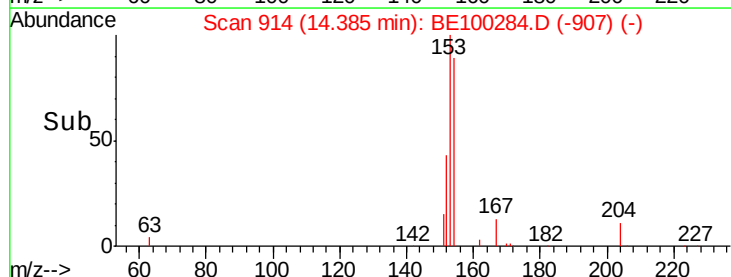
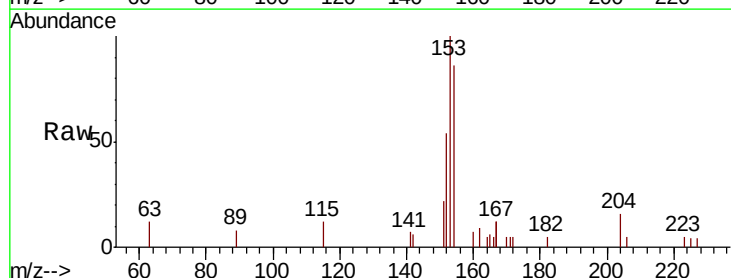
Instrument :
BNA_M
ClientSampleId :
EXT-008-SW123-061819-1

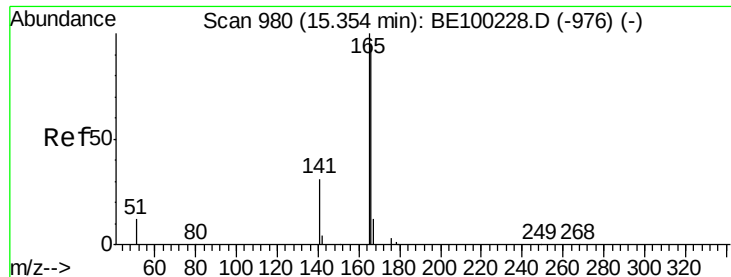
Tgt Ion:152 Resp: 6257
Ion Ratio Lower Upper
152 100
151 19.8 16.6 25.0
153 13.6 10.5 15.7



#17
Acenaphthene
Concen: 0.212 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

Tgt Ion:154 Resp: 1451
Ion Ratio Lower Upper
154 100
153 121.6 93.4 140.2
152 62.3 49.4 74.2

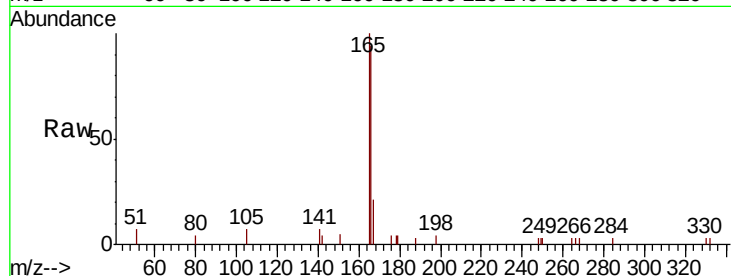




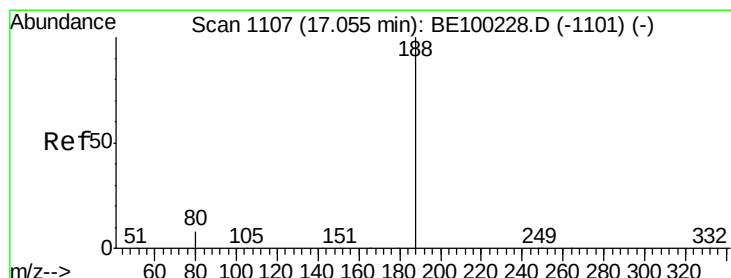
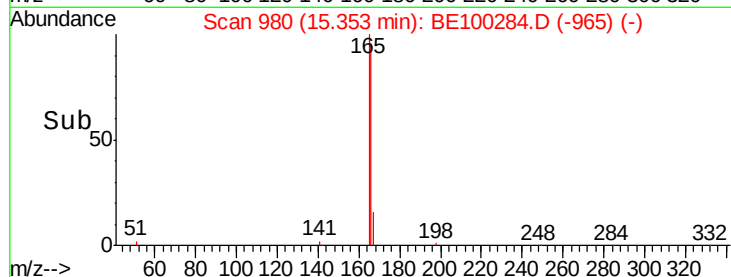
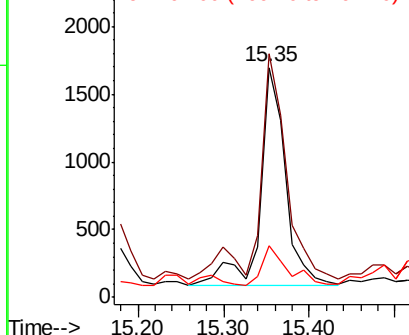
#18
 Fluorene
 Concen: 0.326 ng
 RT: 15.35 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

Instrument :
 BNA_M
 ClientSampleId :
 EXT-008-SW123-061819-1

Tgt Ion:166 Resp: 3298
 Ion Ratio Lower Upper
 166 100
 165 95.7 81.1 121.7
 167 17.9 10.7 16.1#

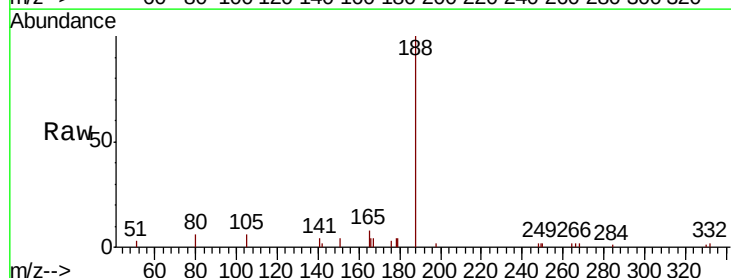


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

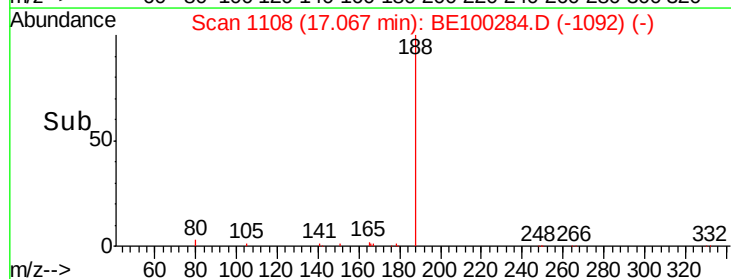
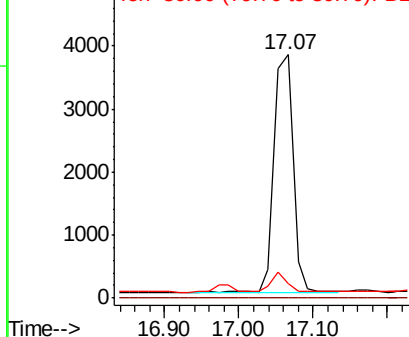


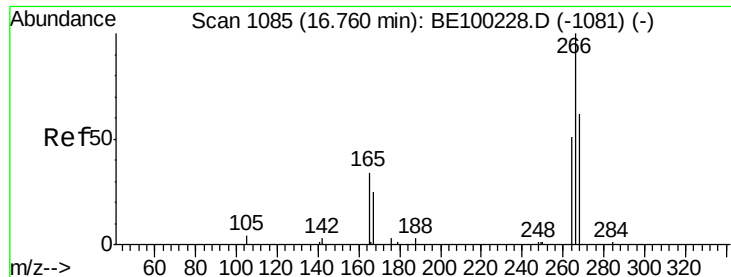
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.07 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

Tgt Ion:188 Resp: 6720
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 5.7 7.6 11.4#



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: 0.028 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

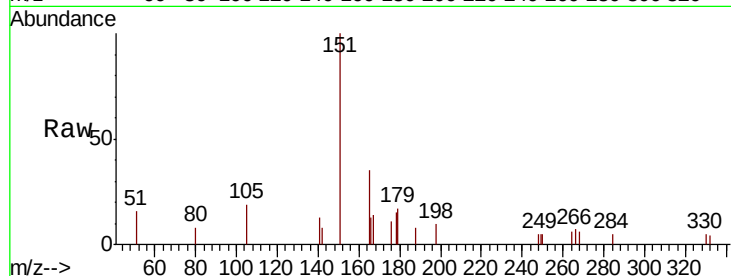
Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

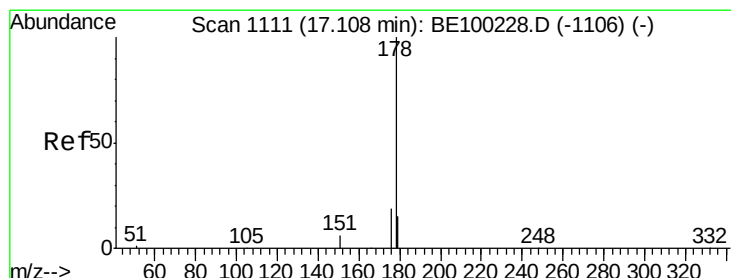
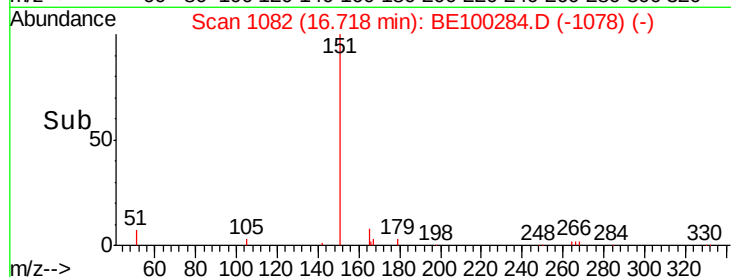
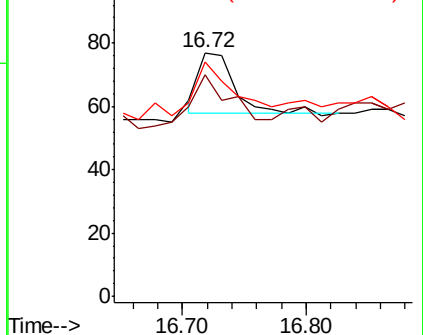
Tgt Ion:	266	Resp:	37
Ion	Ratio	Lower	Upper
266	100		
264	90.9	56.2	84.2#
268	96.1	61.8	92.6#



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: 5.614 ng

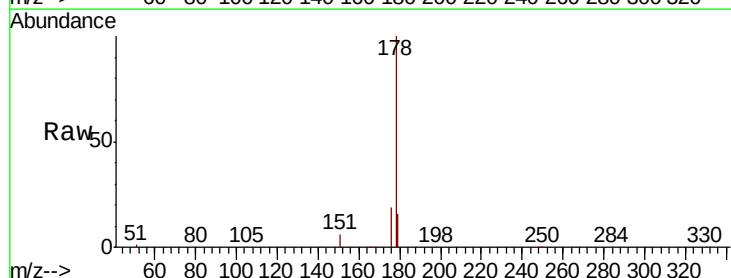
RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

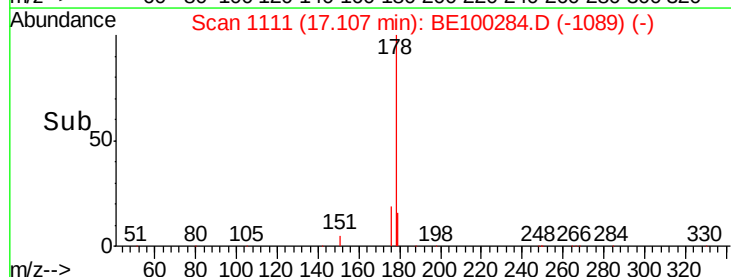
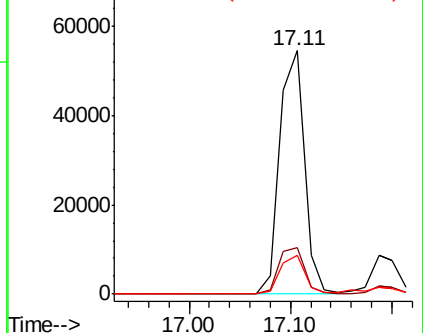
Tgt Ion:	178	Resp:	91434
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.5	12.2	18.2

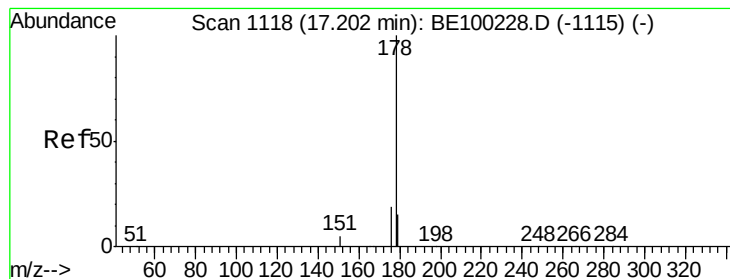


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.951 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

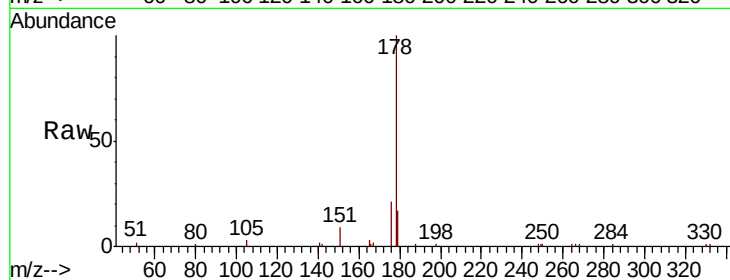
Tgt Ion:178 Resp: 13944

Ion Ratio Lower Upper

178 100

176 20.4 15.3 22.9

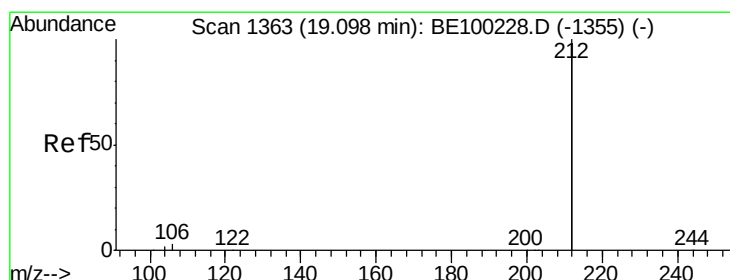
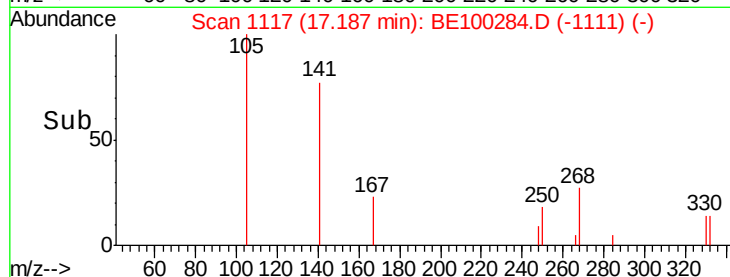
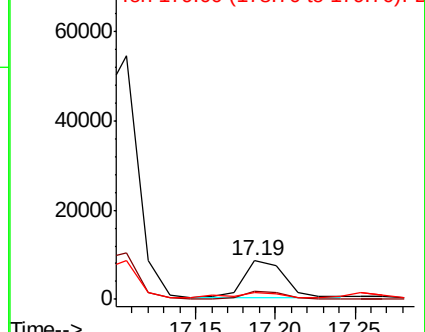
179 19.4 12.2 18.2#



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: 0.321 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

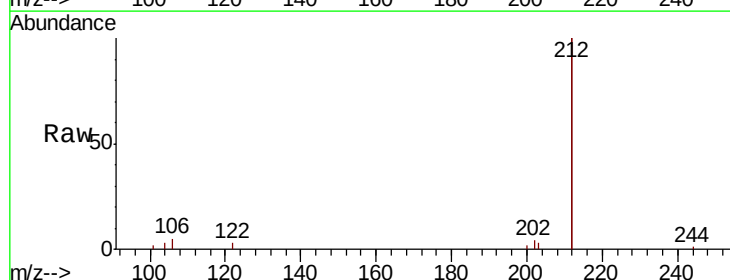
Tgt Ion:212 Resp: 31335

Ion Ratio Lower Upper

212 100

106 2.1 1.3 1.9#

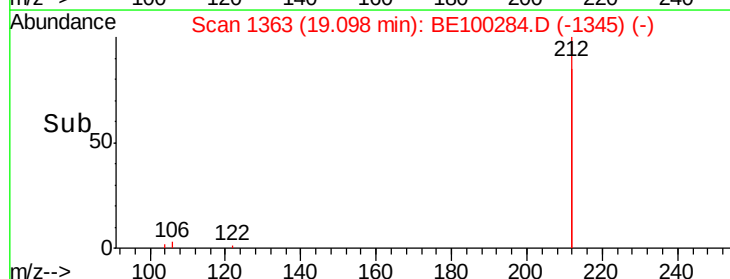
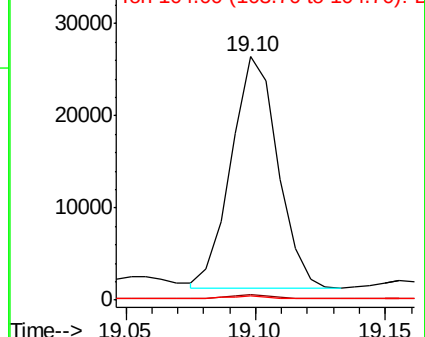
104 0.9 0.8 1.2

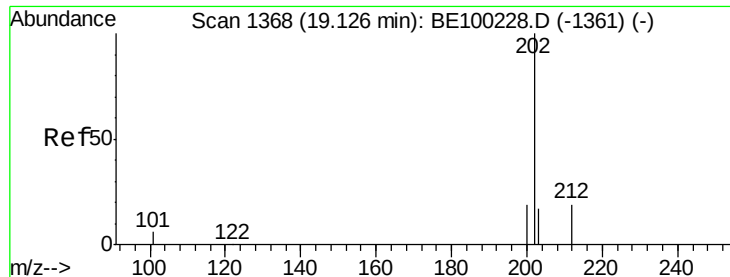


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 8.139 ng

RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

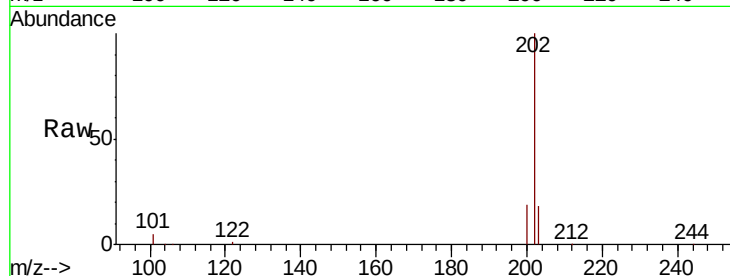
Tgt Ion:202 Resp: 211143

Ion Ratio Lower Upper

202 100

101 5.6 4.6 7.0

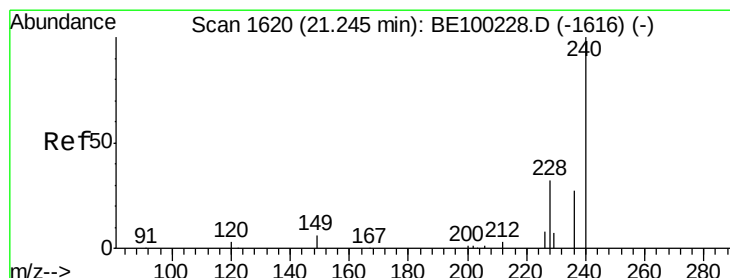
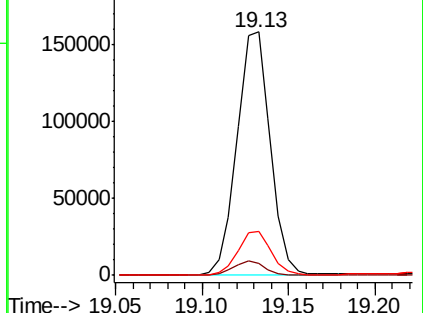
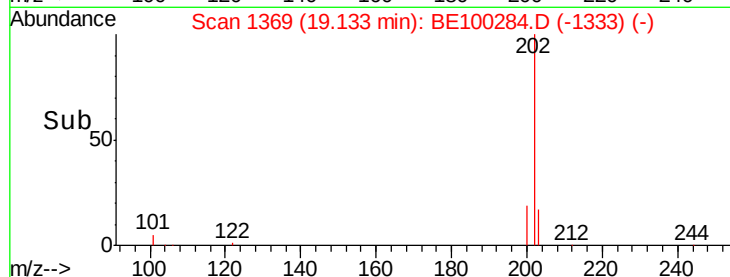
203 17.6 13.7 20.5



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: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

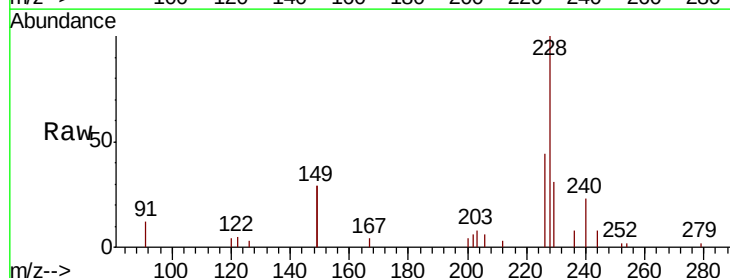
Tgt Ion:240 Resp: 9094

Ion Ratio Lower Upper

240 100

120 18.5 3.3 4.9#

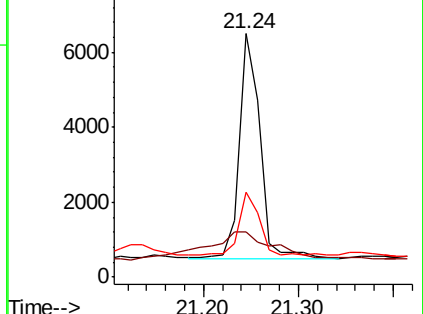
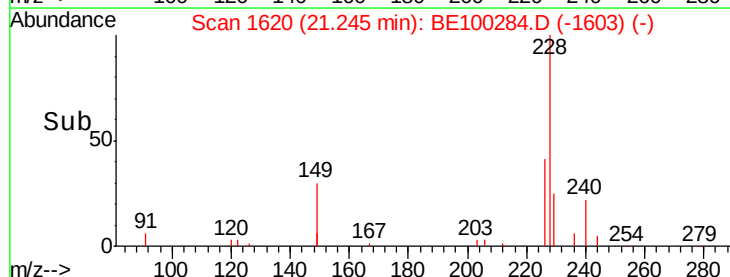
236 34.8 22.6 34.0#

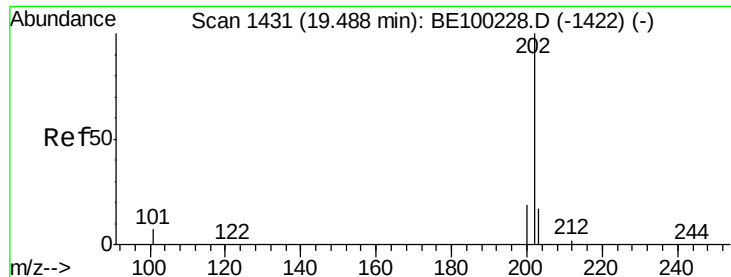


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

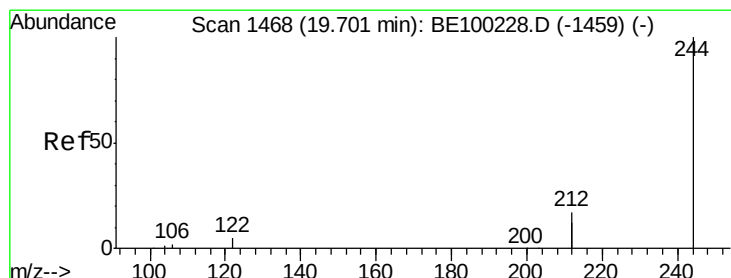
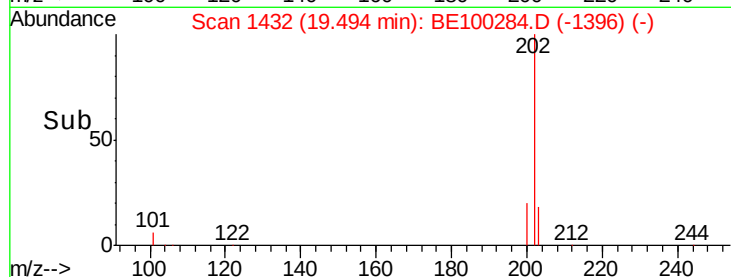
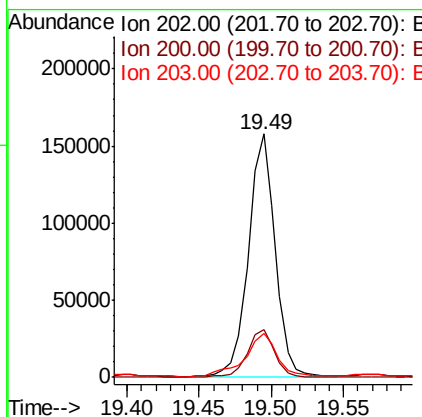
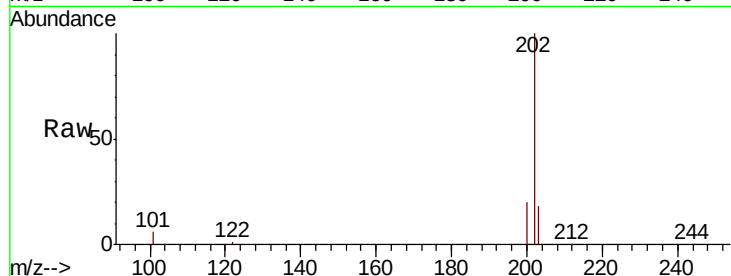




#28
 Pyrene
 Concen: 8.425 ng
 RT: 19.49 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

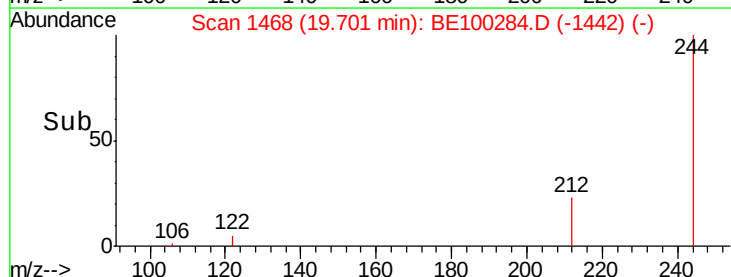
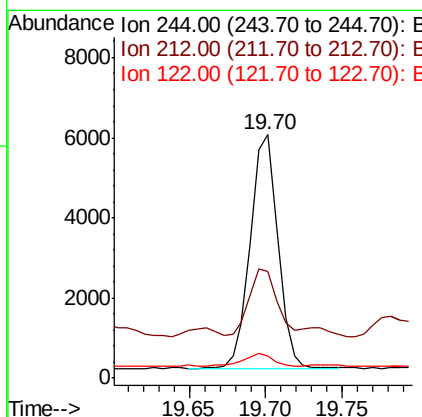
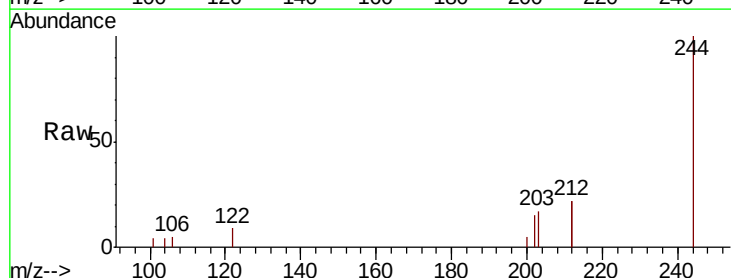
Instrument :
 BNA_M
 ClientSampleId :
 EXT-008-SW123-061819-1

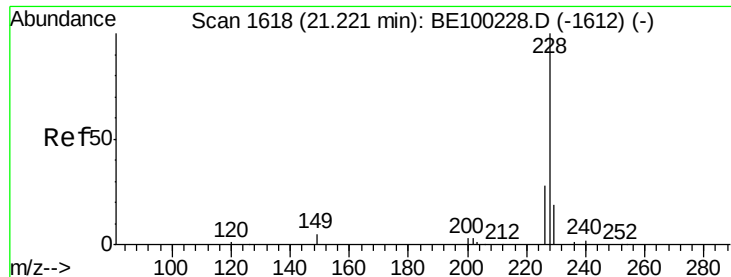
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.0	14.0	21.0#



#29
 Terphenyl-d14
 Concen: 0.388 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	43.7	27.3	40.9#
122	9.2	4.7	7.1#





#30

Benzo(a)anthracene

Concen: 4.178 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

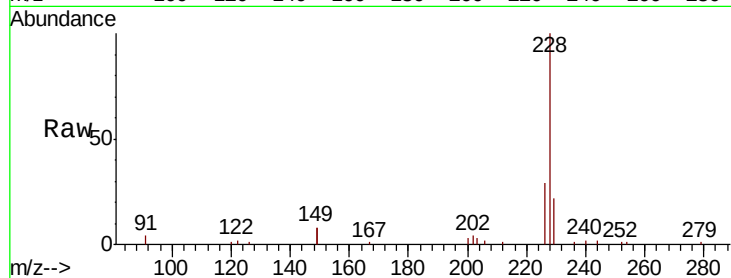
Tgt Ion:228 Resp: 124925

Ion Ratio Lower Upper

228 100

226 29.3 23.2 34.8

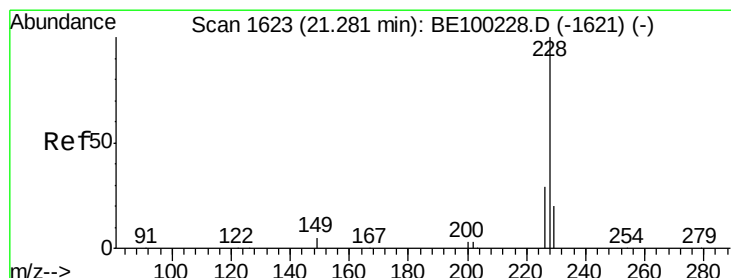
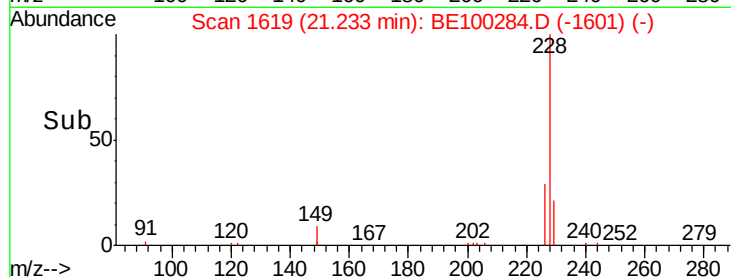
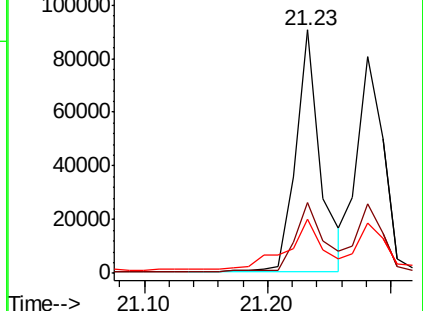
229 22.3 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 3.913 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

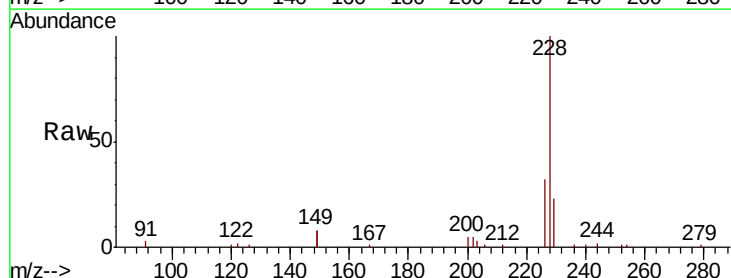
Tgt Ion:228 Resp: 117503

Ion Ratio Lower Upper

228 100

226 32.1 23.9 35.9

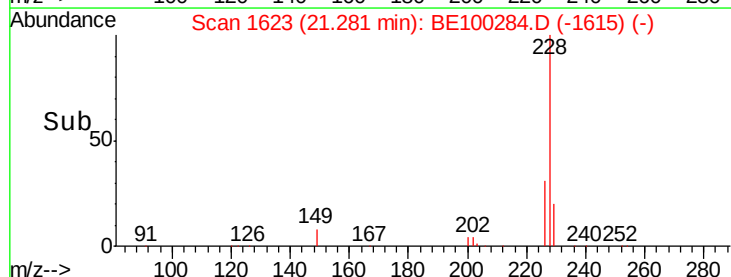
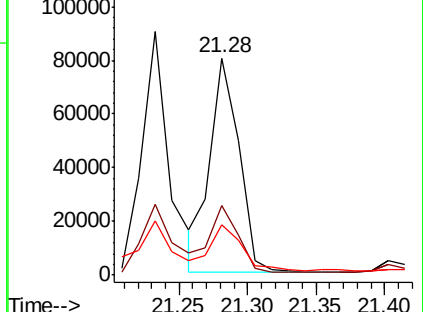
229 23.2 16.5 24.7

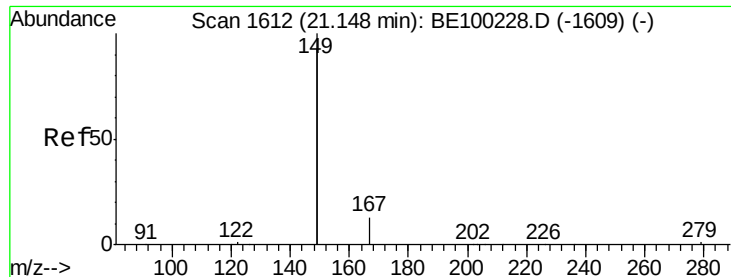


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 6.060 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

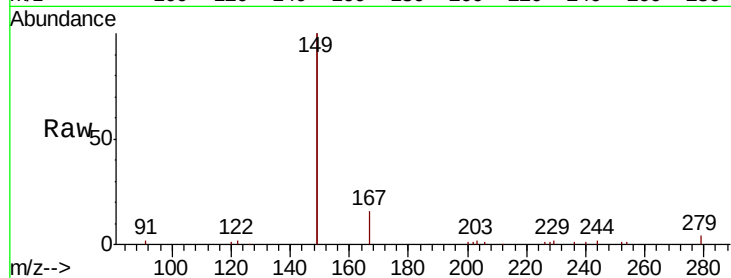
Tgt Ion:149 Resp: 258551

Ion Ratio Lower Upper

149 100

167 6.8 5.8 8.8

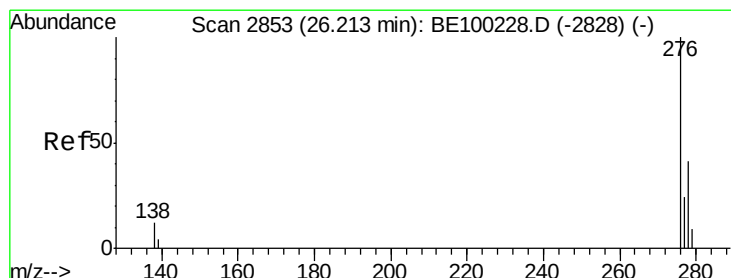
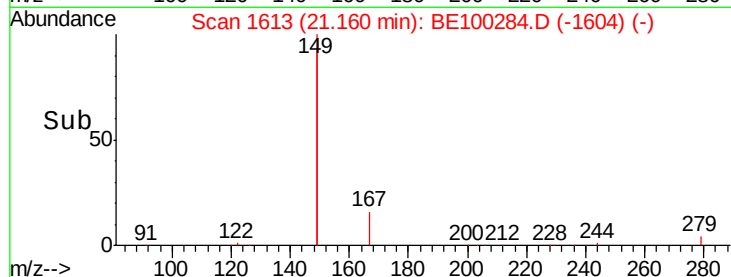
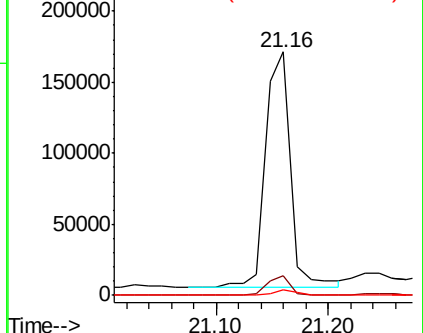
279 1.5 1.1 1.7



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.781 ng

RT: 26.25 min Scan# 2863

Delta R.T. 0.04 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

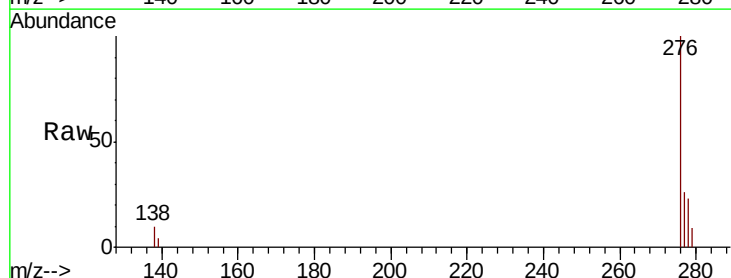
Tgt Ion:276 Resp: 70733

Ion Ratio Lower Upper

276 100

138 8.6 9.4 14.0#

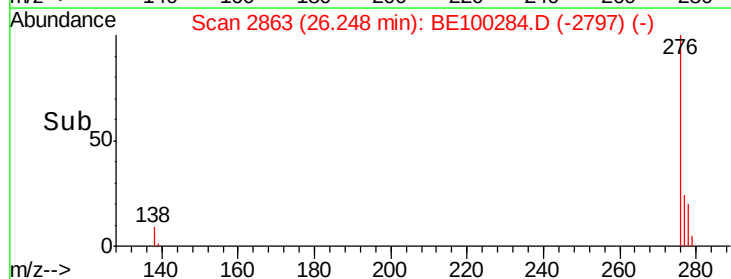
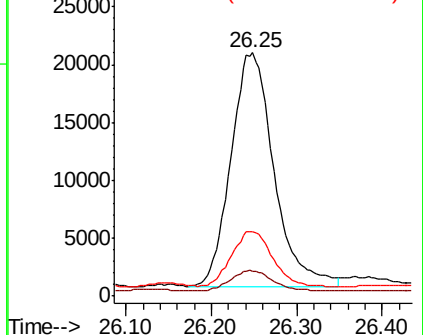
277 22.6 19.2 28.8

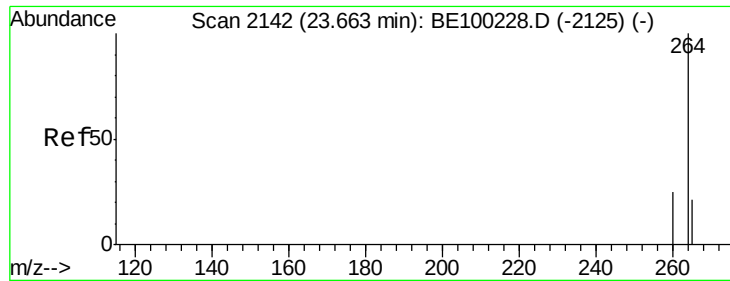


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

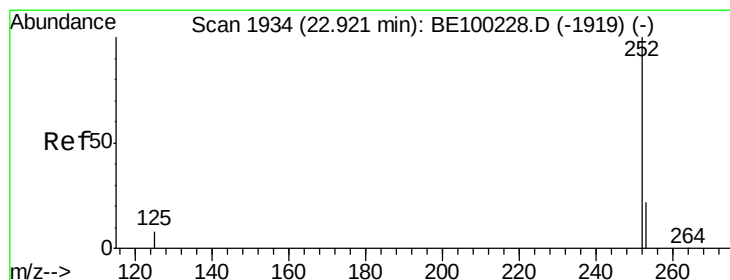
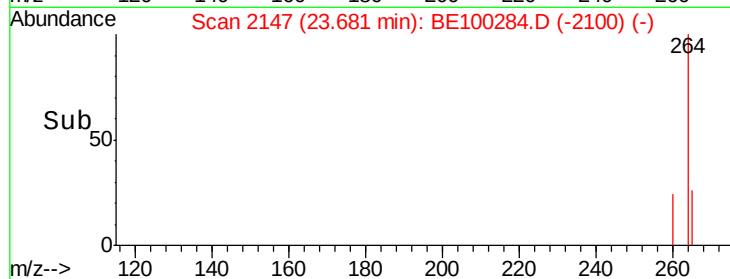
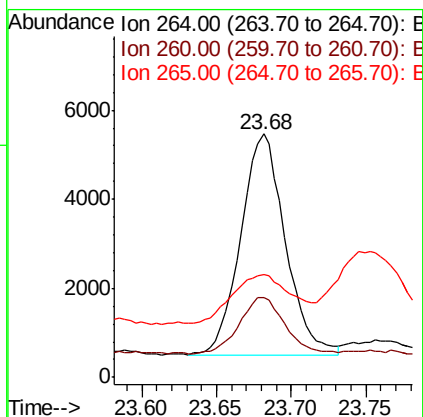
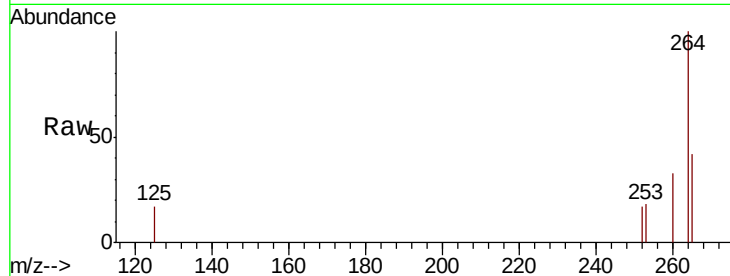




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2147
 Delta R.T. 0.02 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

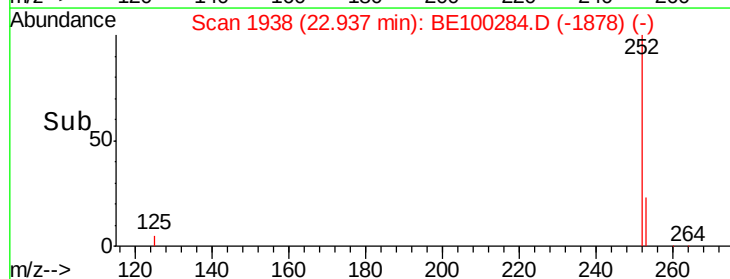
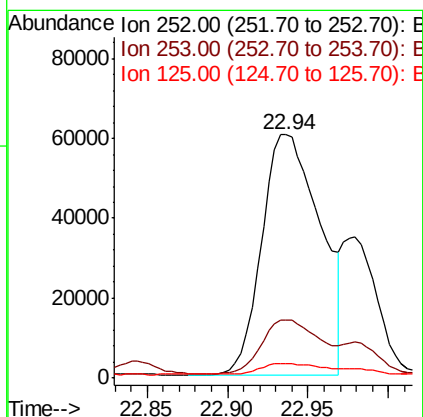
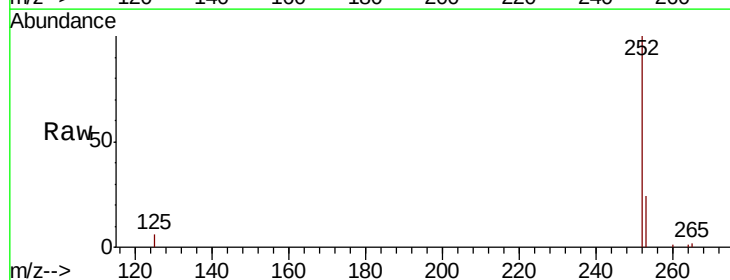
Instrument :
 BNA_M
 ClientSampleId :
 EXT-008-SW123-061819-1

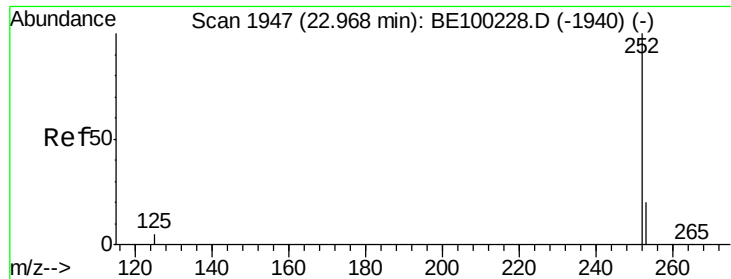
Tgt Ion: 264 Resp: 10260
 Ion Ratio Lower Upper
 264 100
 260 32.7 20.8 31.2#
 265 42.5 21.8 32.6#



#35
 Benzo(b)fluoranthene
 Concen: 5.489 ng
 RT: 22.94 min Scan# 1938
 Delta R.T. 0.02 min
 Lab File: BE100284.D
 Acq: 2 Jul 2019 3:34

Tgt Ion: 252 Resp: 152687
 Ion Ratio Lower Upper
 252 100
 253 24.0 19.2 28.8
 125 6.1 7.4 11.0#

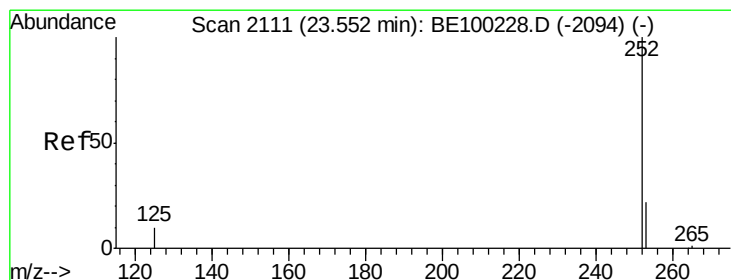
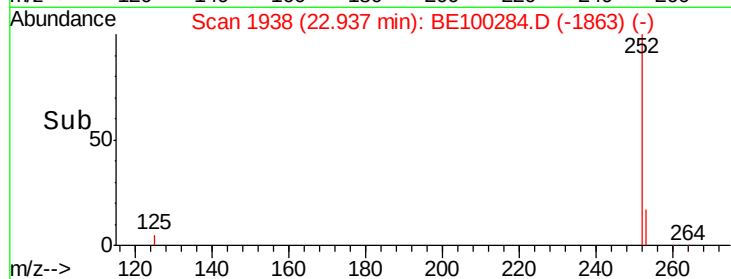
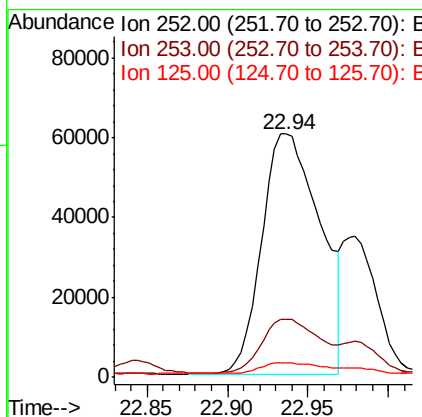
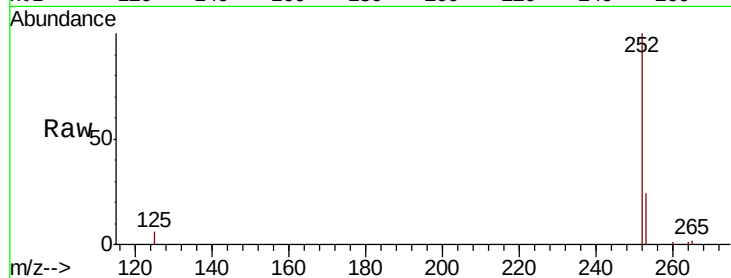




#36
Benzo(k)fluoranthene
Concen: 4.917 ng
RT: 22.94 min Scan# 1938
Delta R.T. -0.03 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

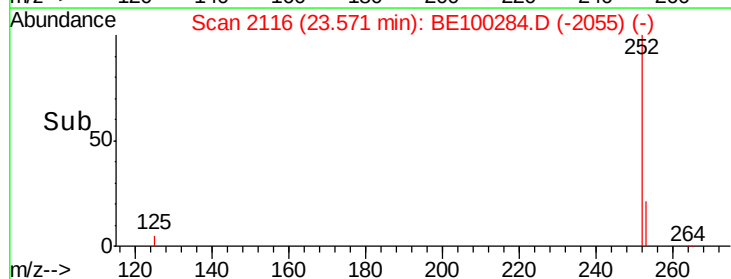
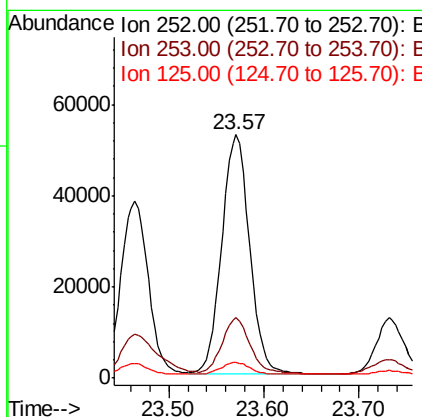
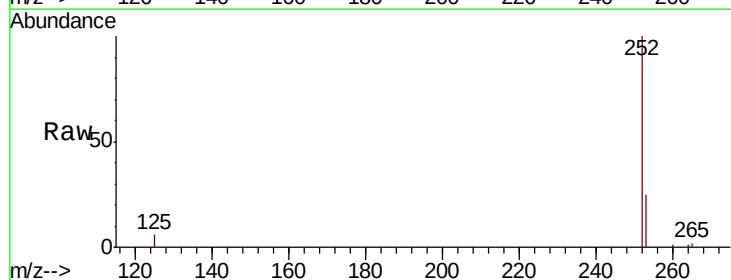
Instrument :
BNA_M
ClientSampleId :
EXT-008-SW123-061819-1

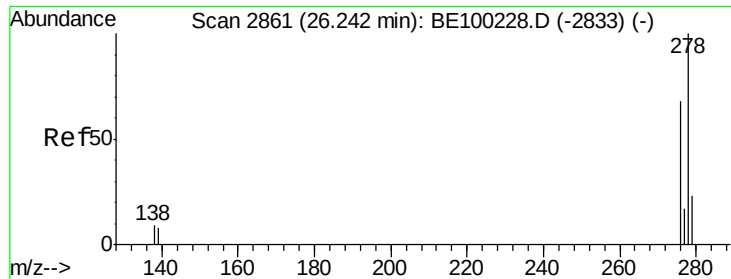
Tgt Ion:252 Resp: 152687
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 6.1 5.0 7.4



#37
Benzo(a)pyrene
Concen: 3.814 ng
RT: 23.57 min Scan# 2116
Delta R.T. 0.02 min
Lab File: BE100284.D
Acq: 2 Jul 2019 3:34

Tgt Ion:252 Resp: 106325
Ion Ratio Lower Upper
252 100
253 24.8 19.6 29.4
125 6.4 9.0 13.6#





#38

Dibenzo(a,h)anthracene

Concen: 0.593 ng

RT: 26.26 min Scan# 2867

Delta R.T. 0.02 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

Instrument :

BNA_M

ClientSampleId :

EXT-008-SW123-061819-1

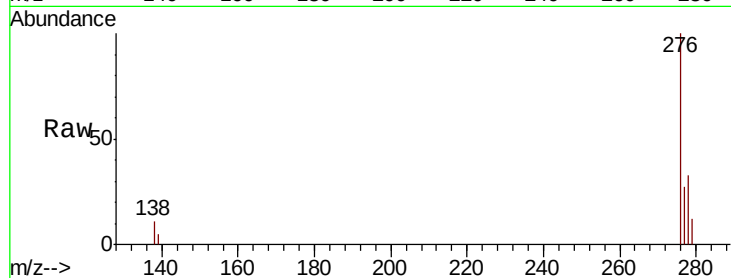
Tgt Ion: 278 Resp: 17258

Ion Ratio Lower Upper

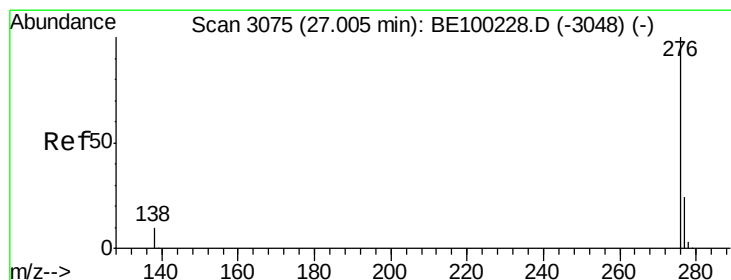
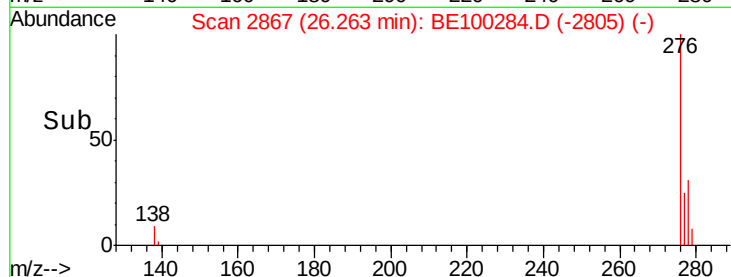
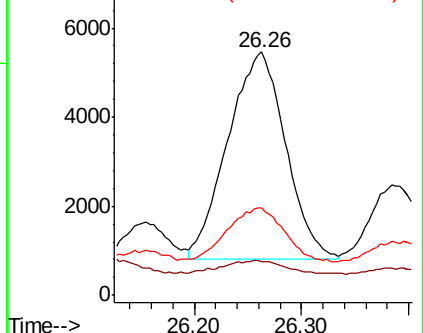
278 100

139 14.0 8.2 12.2#

279 35.7 20.3 30.5#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 2.273 ng

RT: 27.04 min Scan# 3085

Delta R.T. 0.04 min

Lab File: BE100284.D

Acq: 2 Jul 2019 3:34

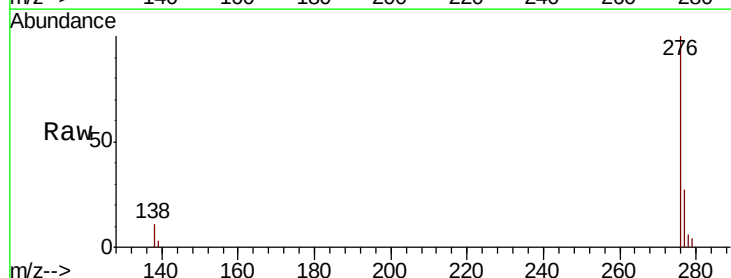
Tgt Ion: 276 Resp: 67994

Ion Ratio Lower Upper

276 100

277 26.7 20.2 30.2

138 10.7 9.0 13.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

