

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062119\
 Data File : BE100147.D
 Acq On : 21 Jun 2019 23:47
 Operator : JU/SJ
 Sample : K3428-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319

Quant Time: Jun 22 02:05:26 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	7.74	152	715	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	2700	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	2463	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	7533	0.40	ng	0.00
27) Chrysene-d12	21.35	240	10456	0.40	ng	0.01
34) Perylene-d12	23.85	264	13256	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	589	0.40	ng	0.00
5) Phenol-d6	6.92	99	852	0.42	ng	-0.01
8) Nitrobenzene-d5	8.91	82	917	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	149	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	633	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2832	0.29	ng	-0.01
25) Fluoranthene-d10	19.20	212	2099	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	7168	0.34	ng	-0.01

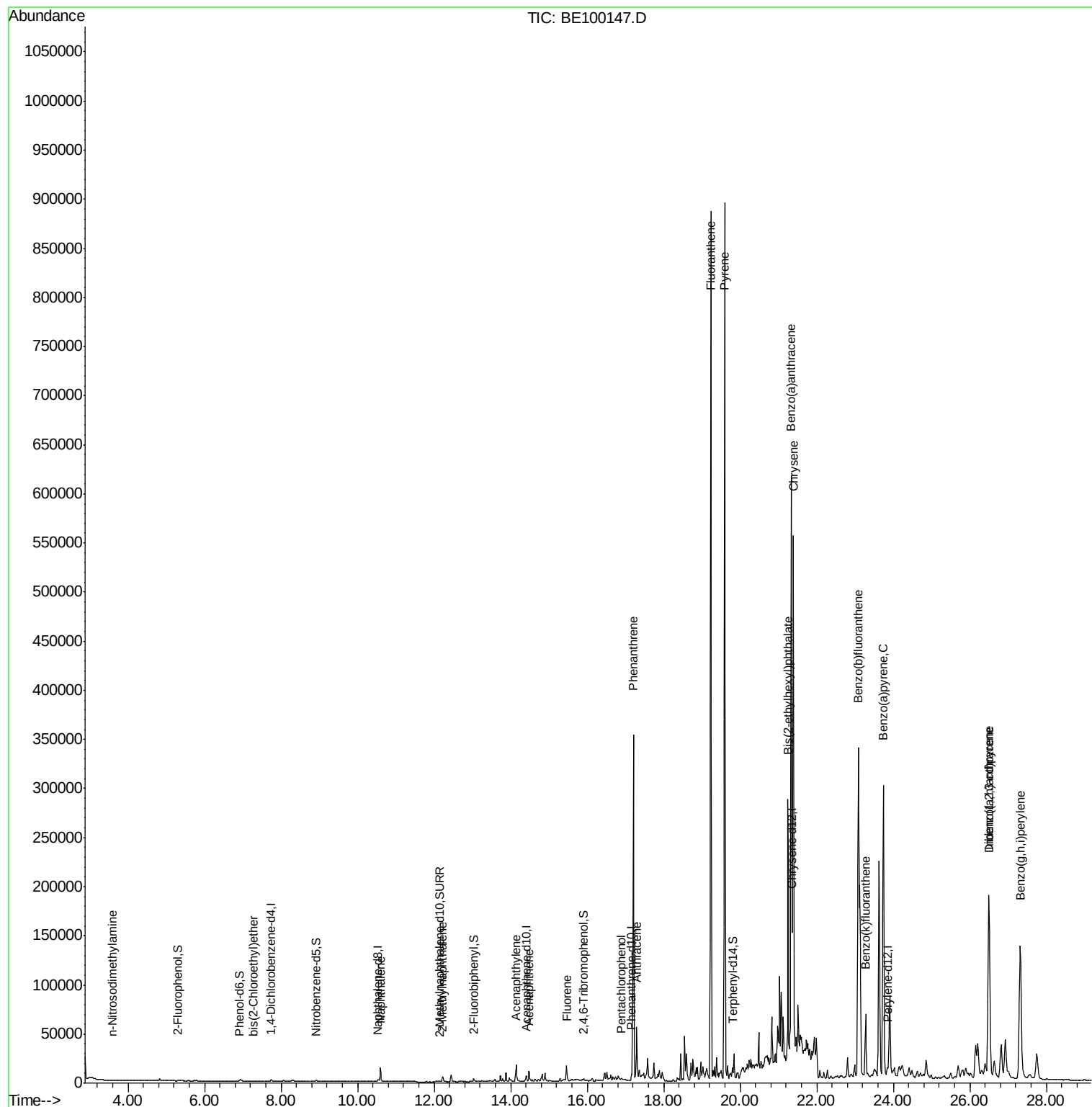
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.58	42	21	0.369	ng	# 100
6) bis(2-Chloroethyl)ether	7.26	93	4	0.035	ng	# 1
9) Naphthalene	10.59	128	23553	0.803	ng	98
12) 2-Methylnaphthalene	12.22	142	3627	0.752	ng	95
16) Acenaphthylene	14.14	152	23604	2.019	ng	99
17) Acenaphthene	14.47	154	5893	0.901	ng	97
18) Fluorene	15.46	166	15296	1.571	ng	# 94
22) Pentachlorophenol	16.89	266	11	0.249	ng	88
23) Phenanthrene	17.20	178	345180	19.125	ng	99
24) Anthracene	17.29	178	53913	3.542	ng	# 95
26) Fluoranthene	19.23	202	807983	27.888	ng	98
28) Pyrene	19.59	202	835641	31.094	ng	# 95
30) Benzo(a)anthracene	21.33	228	528444	16.989	ng	99
31) Chrysene	21.39	228	548892	15.187	ng	98
32) Bis(2-ethylhexyl)phthalate	21.25	149	313752	10.690	ng	100
33) Indeno(1,2,3-cd)pyrene	26.49	276	369233	9.079	ng	# 98
35) Benzo(b)fluoranthene	23.08	252	644125	16.559	ng	# 97
36) Benzo(k)fluoranthene	23.27	252	88168	1.992	ng	94
37) Benzo(a)pyrene	23.74	252	480410	12.794	ng	# 94
38) Dibenzo(a,h)anthracene	26.51	278	96008	2.494	ng	# 94
39) Benzo(g,h,i)perylene	27.32	276	380210	9.506	ng	# 95

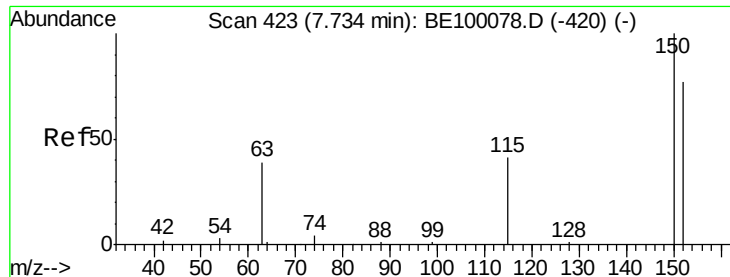
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.74 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

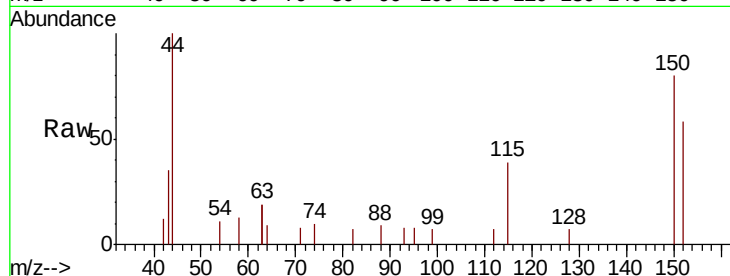
Tgt Ion: 152 Resp: 715

Ion Ratio Lower Upper

152 100

150 138.1 99.8 149.8

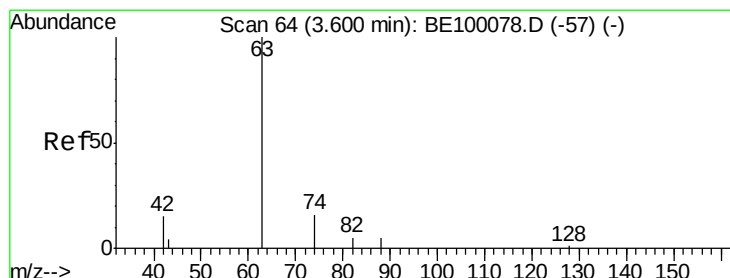
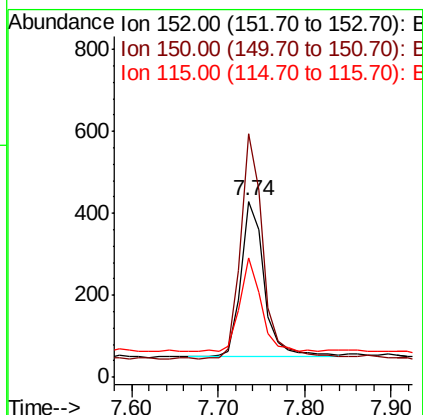
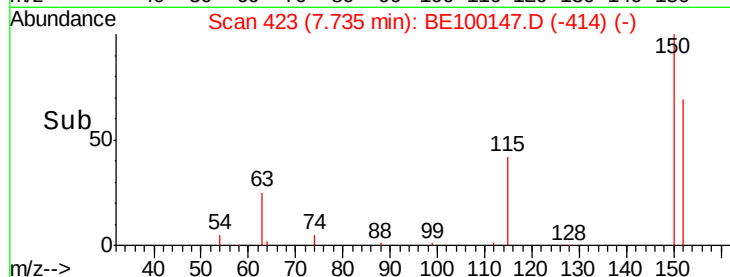
115 67.7 51.3 76.9



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



#3

n-Nitrosodimethylamine

Concen: 0.369 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

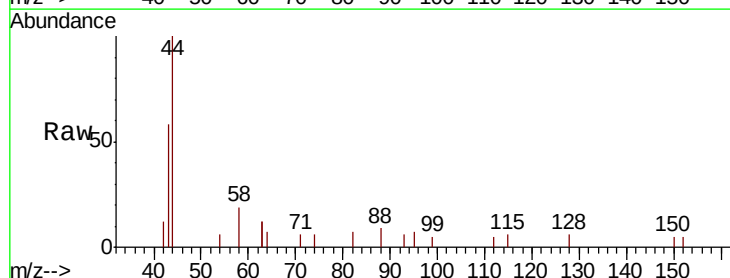
Tgt Ion: 42 Resp: 21

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

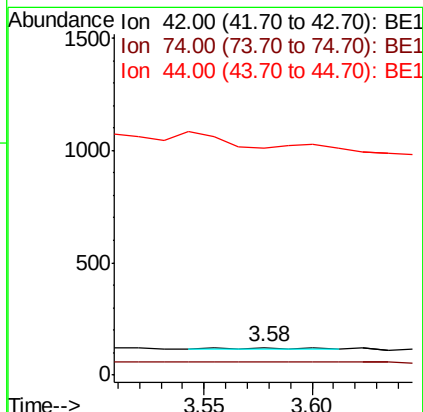
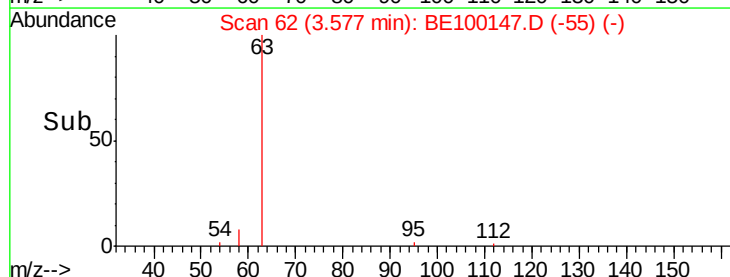
44 0.0 0.0 0.0

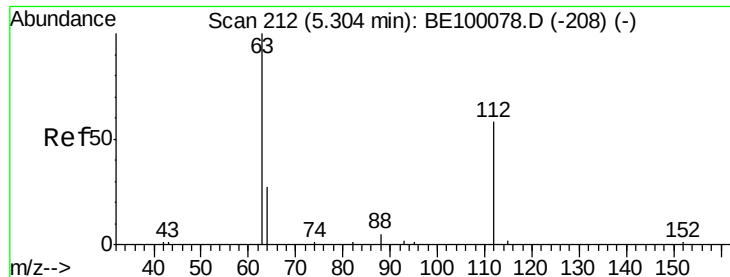


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.397 ng

RT: 5.31 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

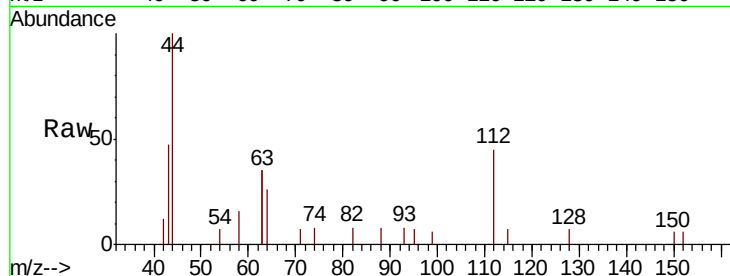
Tgt Ion: 112 Resp: 589

Ion Ratio Lower Upper

112 100

64 56.5 22.0 33.0#

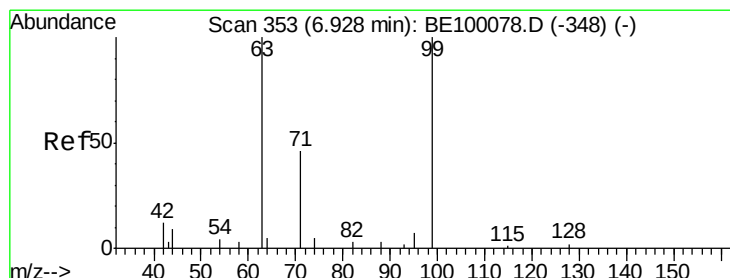
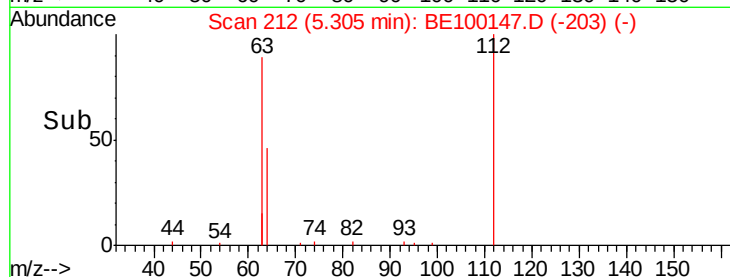
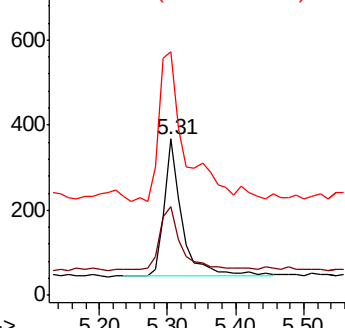
63 157.0 121.8 182.6



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.418 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

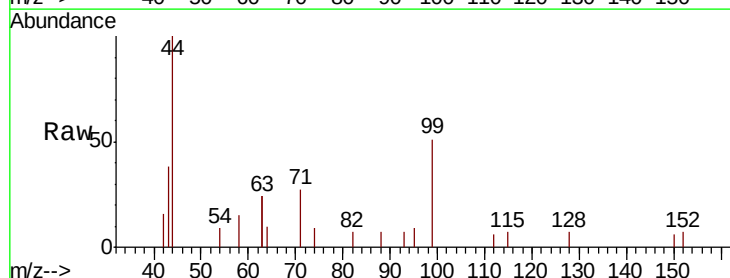
Tgt Ion: 99 Resp: 852

Ion Ratio Lower Upper

99 100

42 16.1 0.0 0.0#

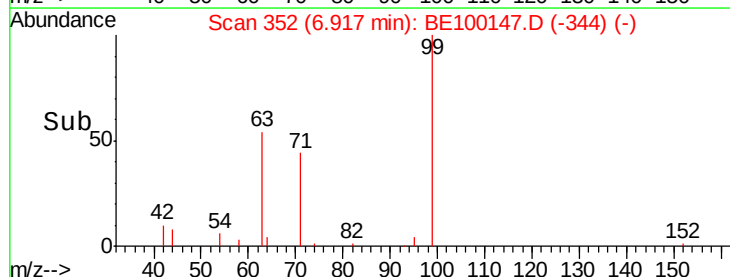
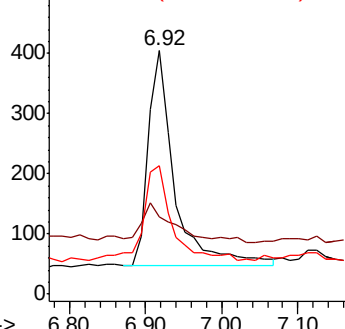
71 46.6 37.6 56.4

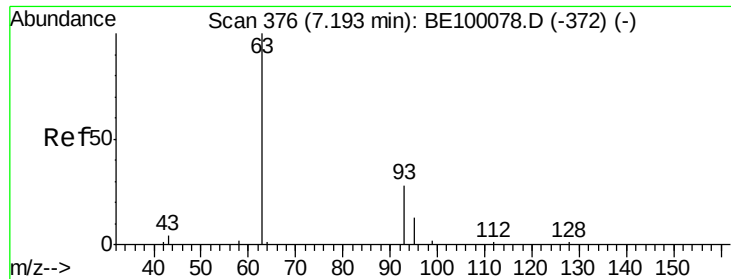


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.035 ng

RT: 7.26 min Scan# 382

Delta R.T. 0.07 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

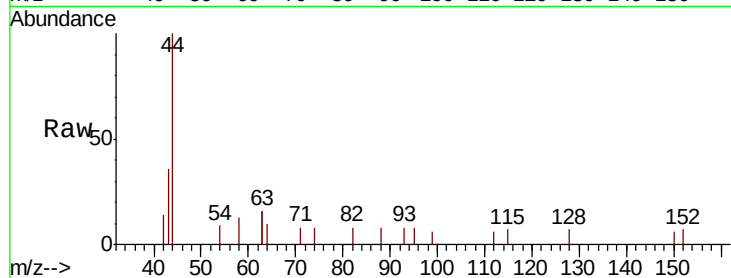
Tgt Ion: 93 Resp: 4

Ion Ratio Lower Upper

93 100

63 2325.0 200.0 300.0#

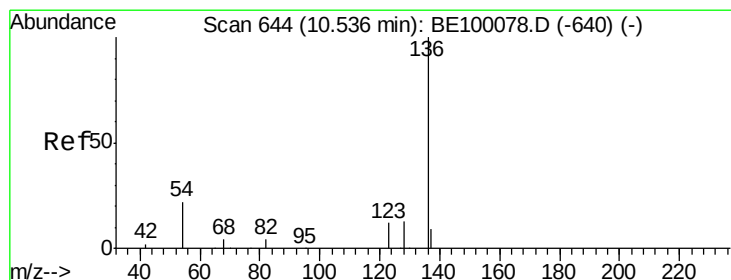
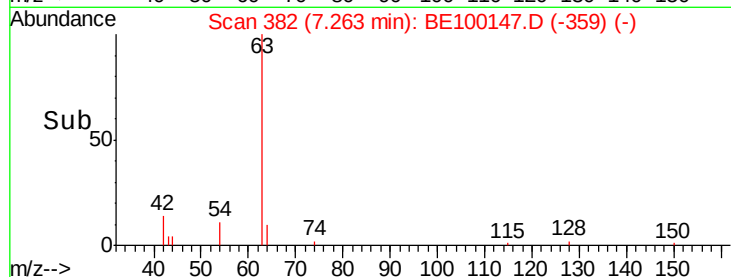
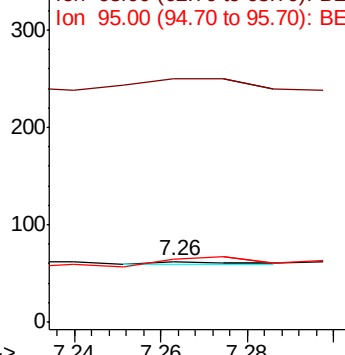
95 800.0 24.0 36.0#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Tgt Ion: 136 Resp: 2700

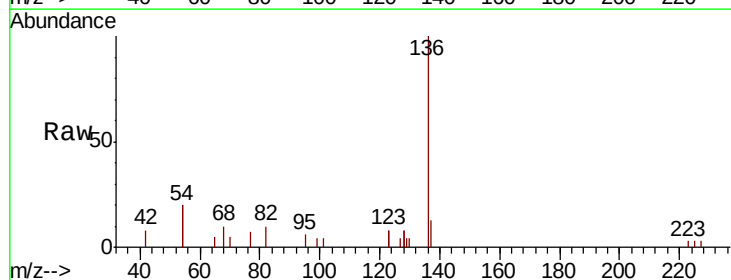
Ion Ratio Lower Upper

136 100

137 13.1 11.6 17.4

54 40.0 33.9 50.9

68 10.0 7.8 11.8

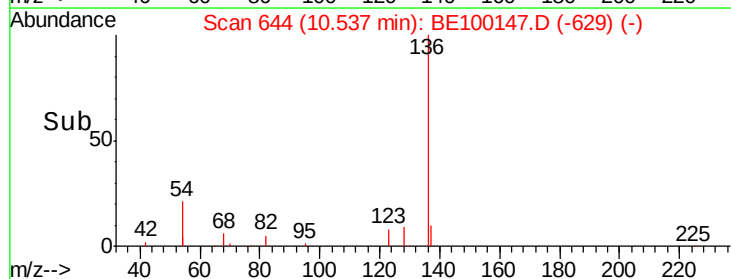
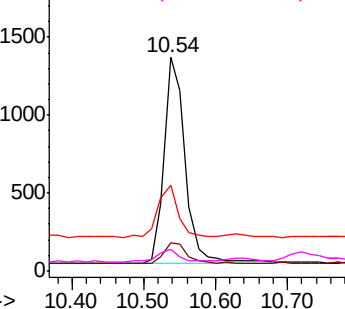


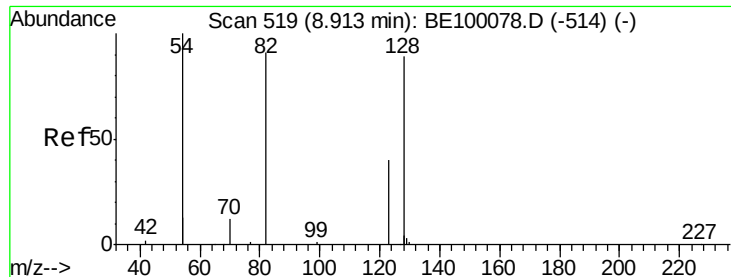
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.350 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

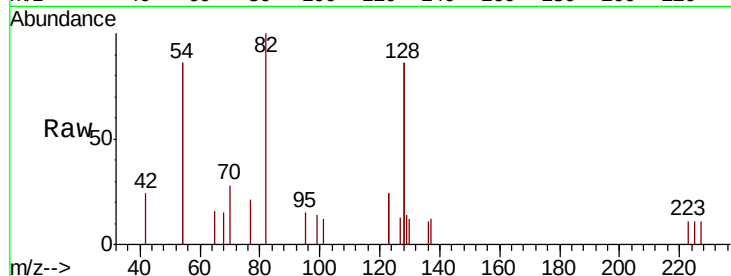
Tgt Ion: 82 Resp: 917

Ion Ratio Lower Upper

82 100

128 172.0 128.0 192.0

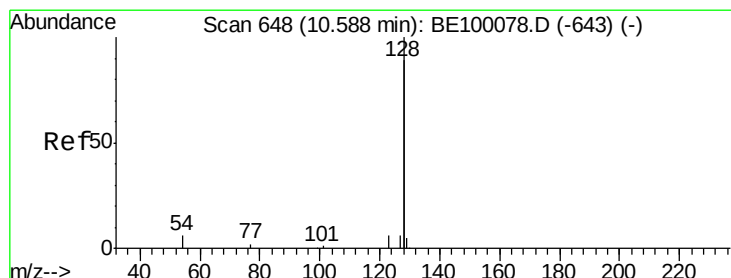
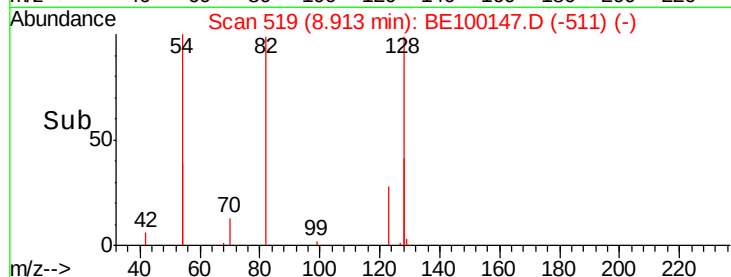
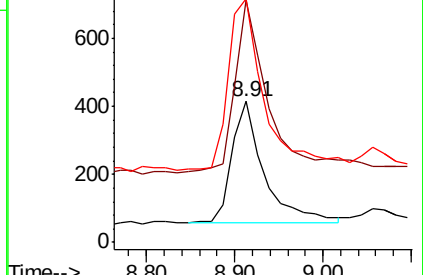
54 172.9 143.4 215.0



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.803 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

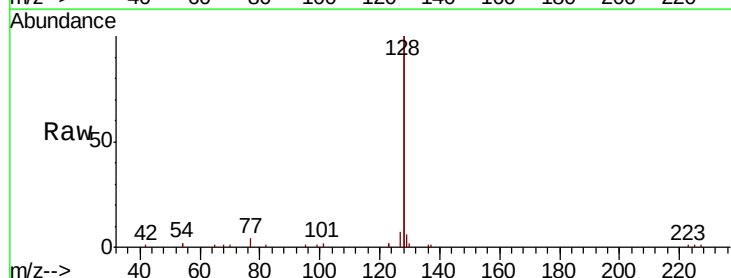
Tgt Ion: 128 Resp: 23553

Ion Ratio Lower Upper

128 100

129 3.2 3.1 4.7

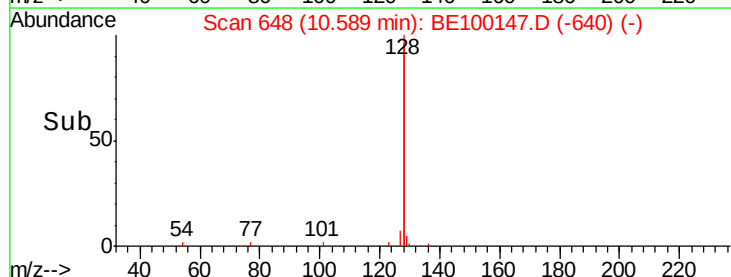
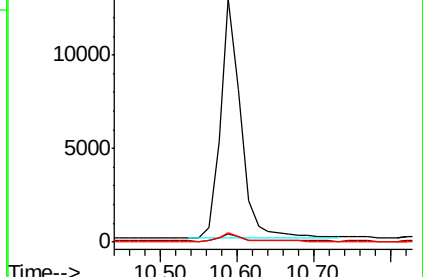
127 3.7 3.4 5.2

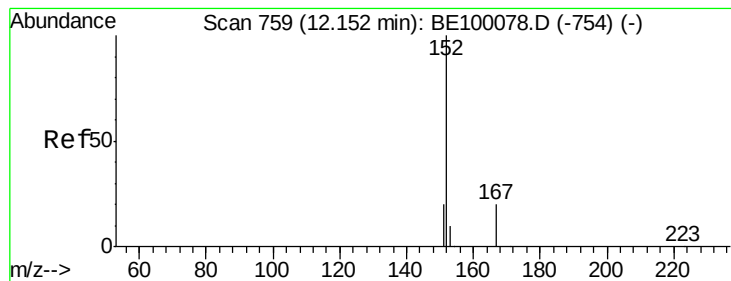


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.029 ng

RT: 12.15 min Scan# 759

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

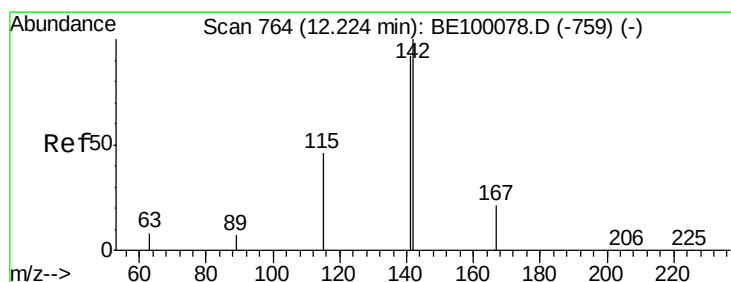
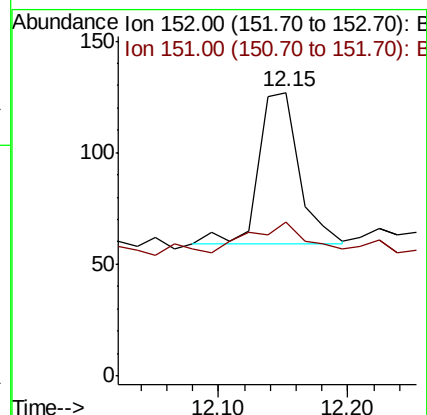
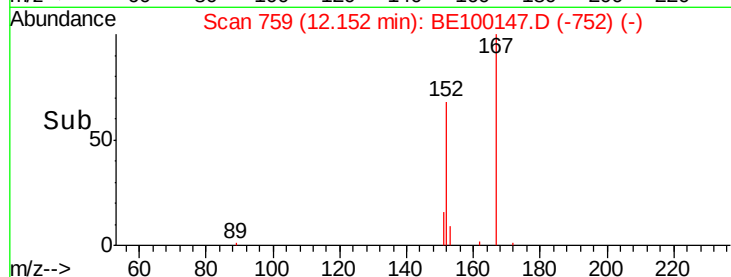
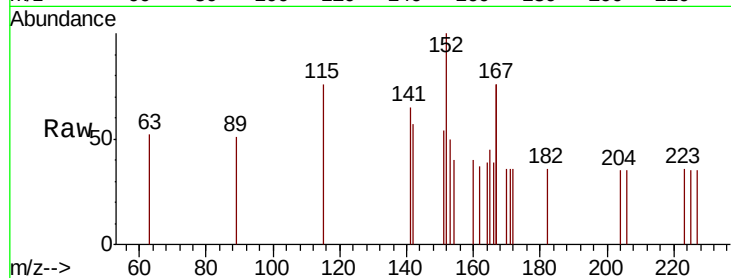
EXT-013-SW164-061319

Tgt Ion:152 Resp: 149

Ion Ratio Lower Upper

152 100

151 27.5 16.3 24.5#



#12

2-Methylnaphthalene

Concen: 0.752 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

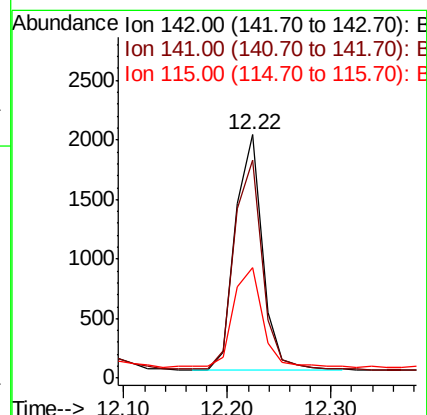
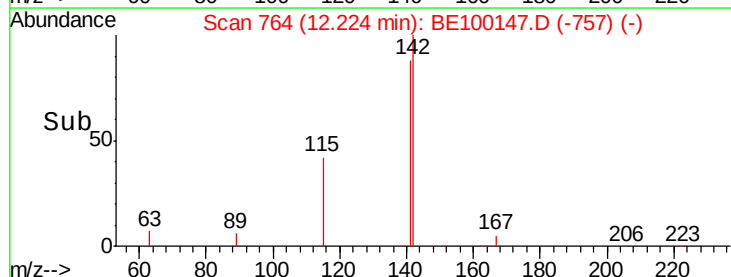
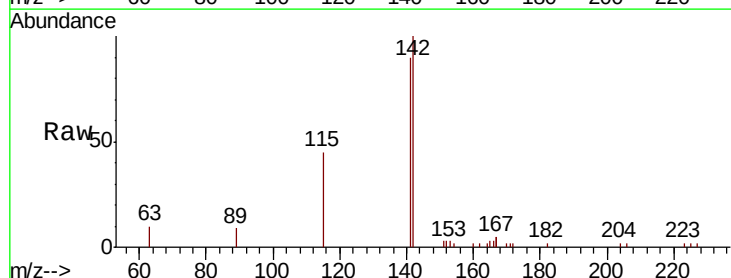
Tgt Ion:142 Resp: 3627

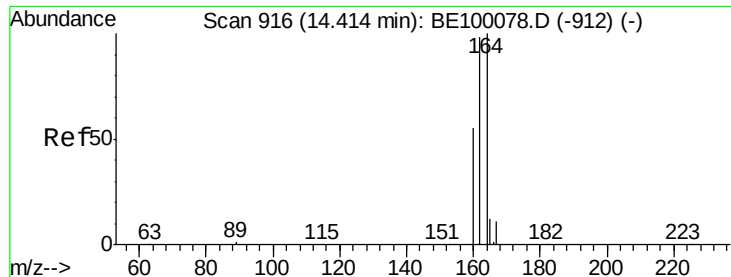
Ion Ratio Lower Upper

142 100

141 89.7 74.1 111.1

115 45.2 40.9 61.3

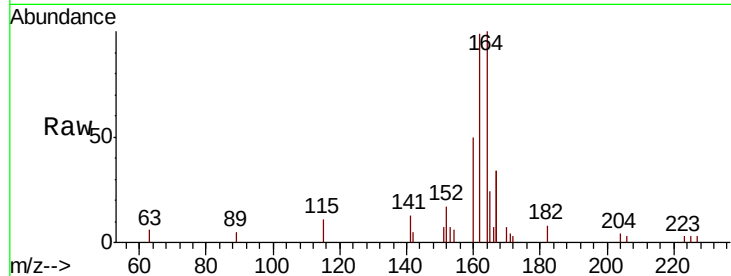




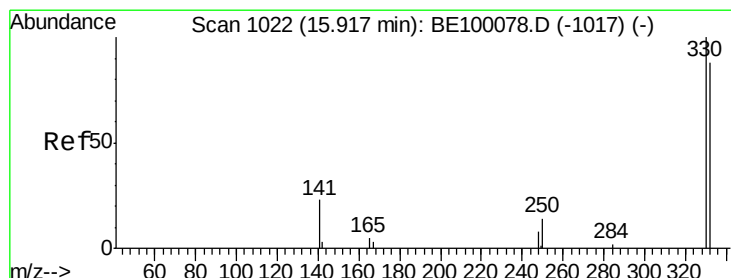
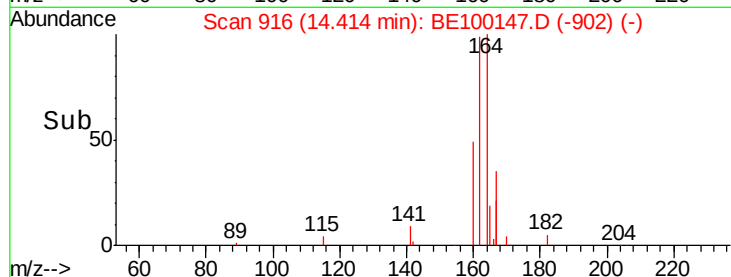
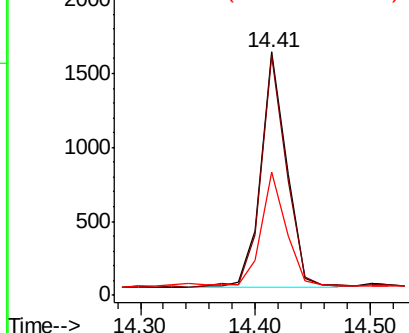
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.41 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: BE100147.D
 Acq: 21 Jun 2019 23:47

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319

Tgt Ion:164 Resp: 2463
 Ion Ratio Lower Upper
 164 100
 162 98.7 78.2 117.2
 160 50.4 45.6 68.4

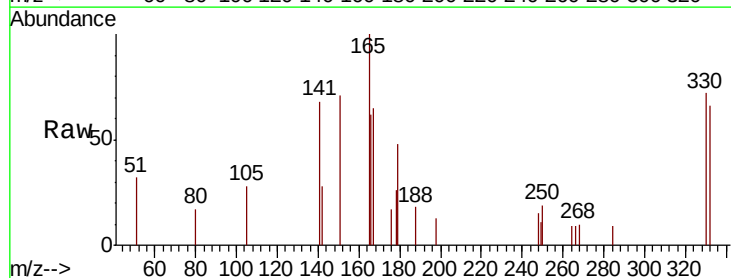


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

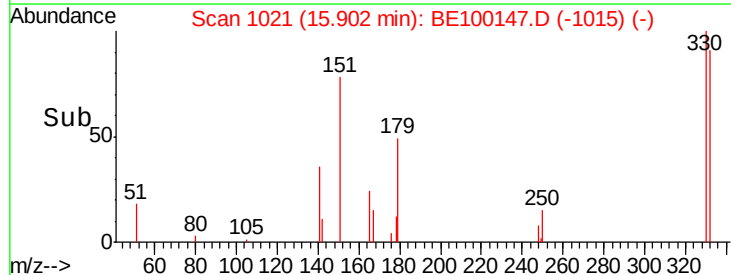
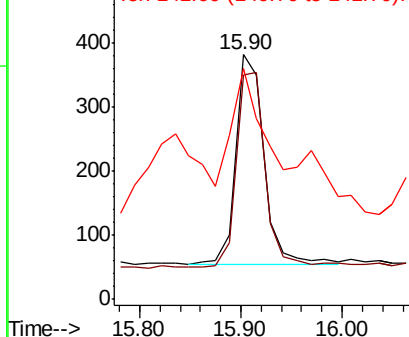


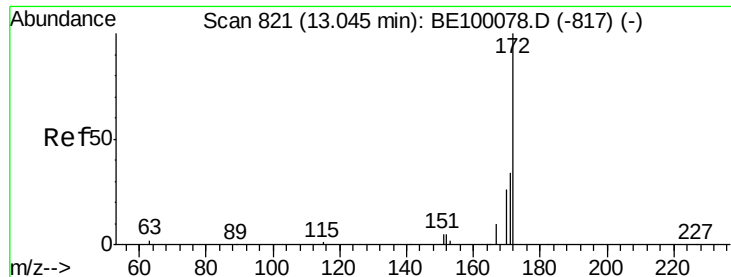
#14
 2,4,6-Tribromophenol
 Concen: 0.465 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100147.D
 Acq: 21 Jun 2019 23:47

Tgt Ion:330 Resp: 633
 Ion Ratio Lower Upper
 330 100
 332 97.9 73.3 109.9
 141 123.5 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

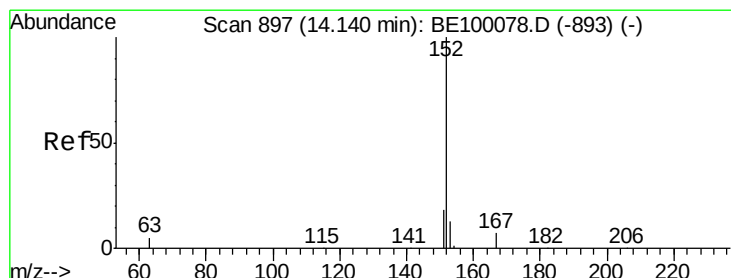
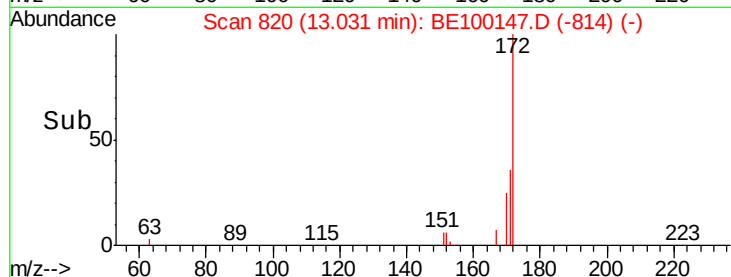
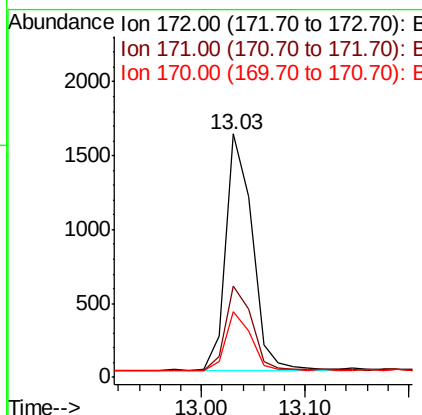
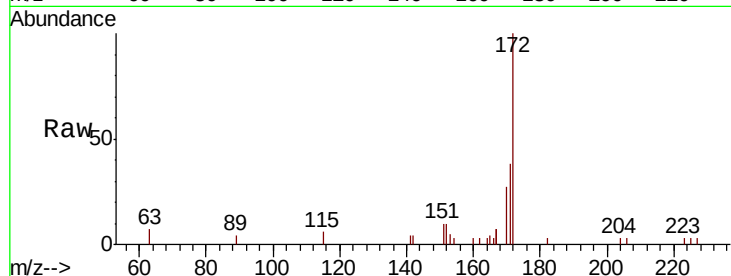




#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100147.D
Acq: 21 Jun 2019 23:47

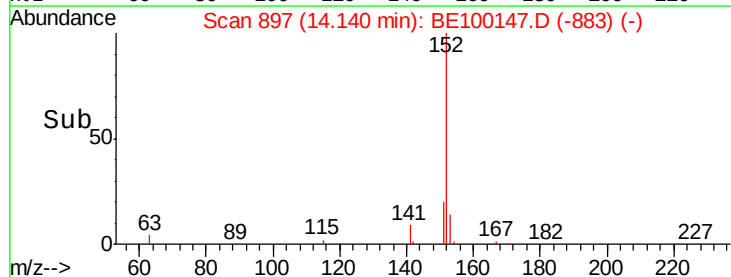
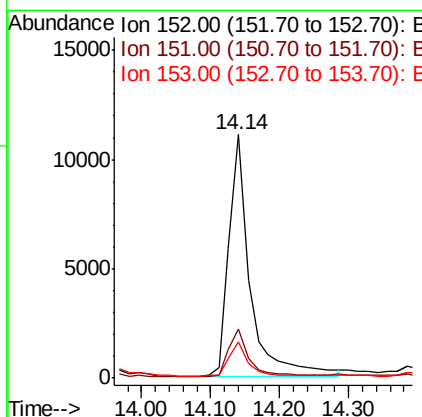
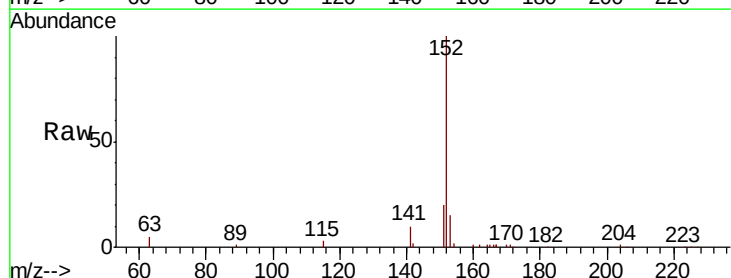
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

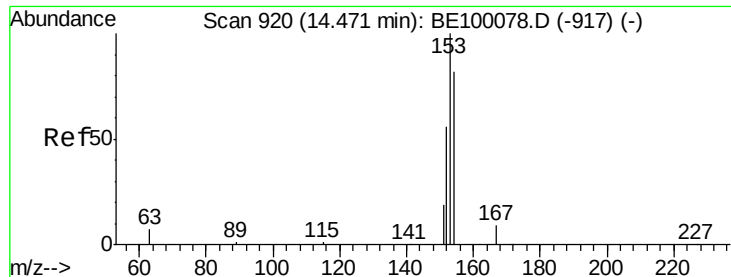
Tgt Ion:172 Resp: 2832
Ion Ratio Lower Upper
172 100
171 37.7 29.8 44.8
170 27.1 23.2 34.8



#16
Acenaphthylene
Concen: 2.019 ng
RT: 14.14 min Scan# 897
Delta R.T. 0.00 min
Lab File: BE100147.D
Acq: 21 Jun 2019 23:47

Tgt Ion:152 Resp: 23604
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.5 10.1 15.1

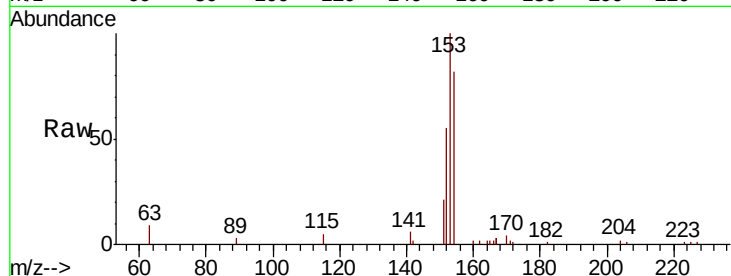




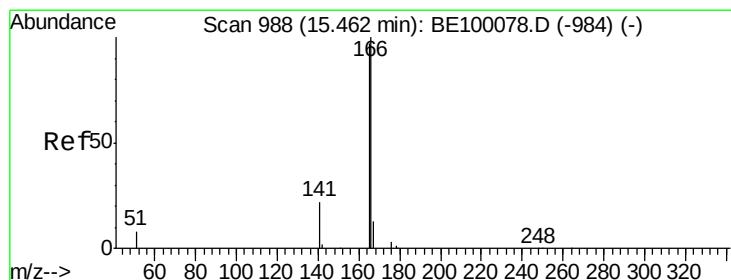
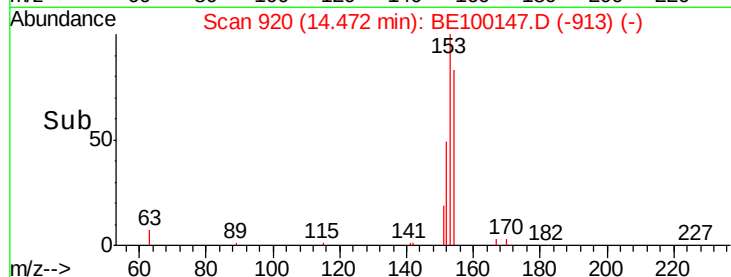
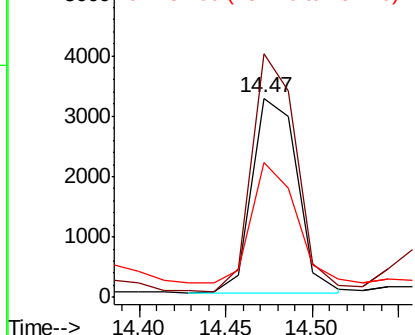
#17
Acenaphthene
Concen: 0.901 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100147.D
Acq: 21 Jun 2019 23:47

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tgt Ion:154 Resp: 5893
Ion Ratio Lower Upper
154 100
153 119.5 95.5 143.3
152 61.1 54.9 82.3

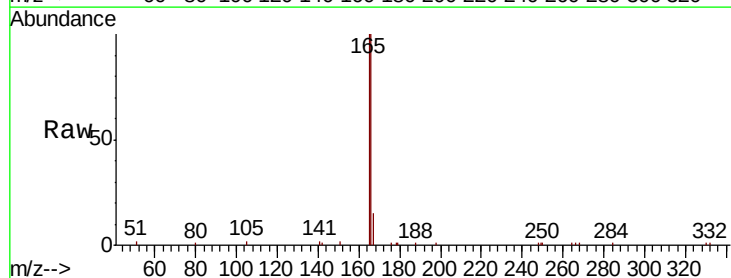


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

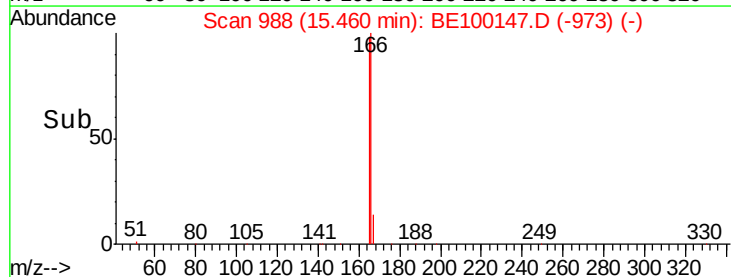
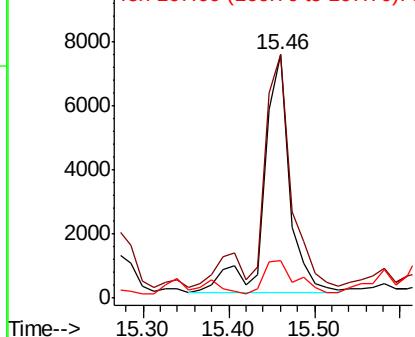


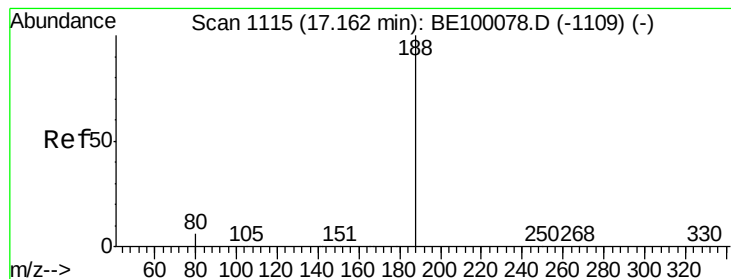
#18
Fluorene
Concen: 1.571 ng
RT: 15.46 min Scan# 988
Delta R.T. -0.00 min
Lab File: BE100147.D
Acq: 21 Jun 2019 23:47

Tgt Ion:166 Resp: 15296
Ion Ratio Lower Upper
166 100
165 94.4 79.8 119.8
167 16.8 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: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

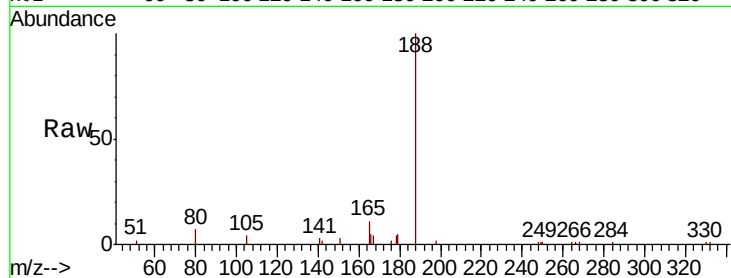
Tgt Ion:188 Resp: 7533

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

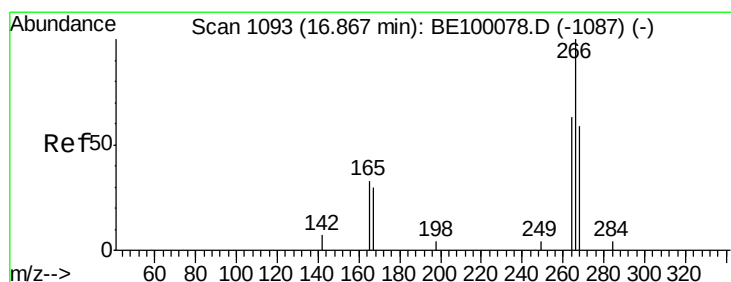
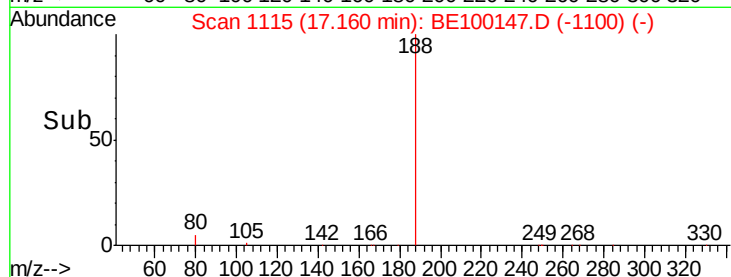
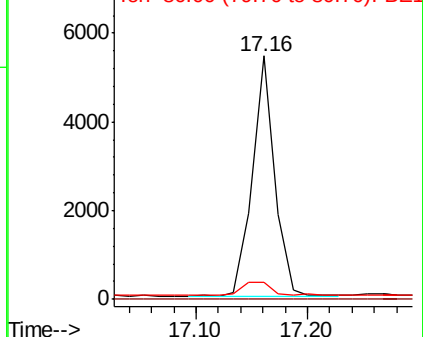
80 7.0 6.3 9.5



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: 0.249 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.03 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

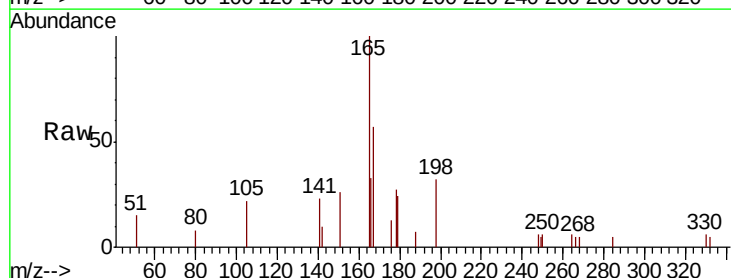
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 101.6 67.8 101.6

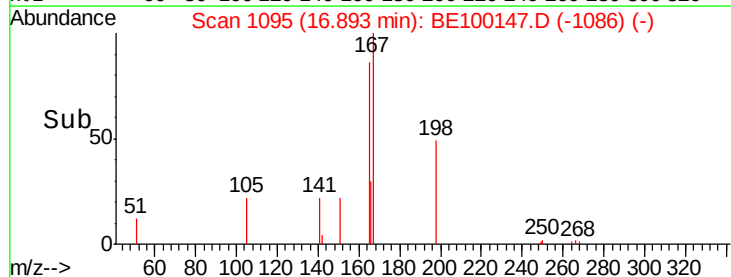
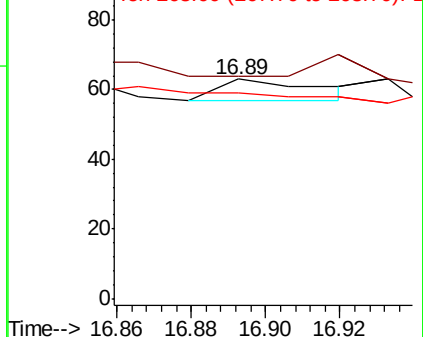
268 93.7 70.0 105.0

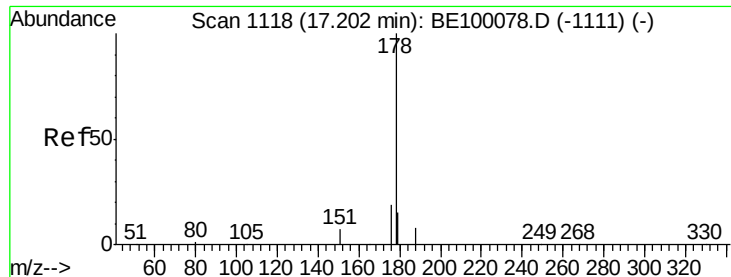


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 19.125 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

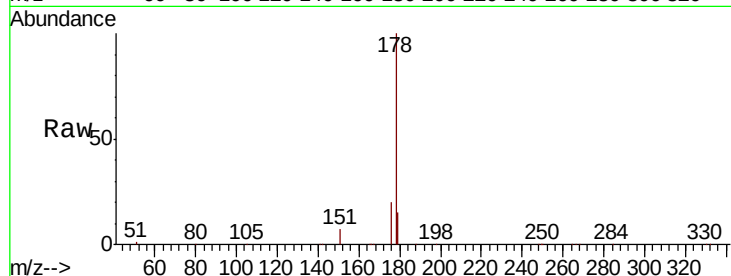
Tgt Ion:178 Resp: 345180

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

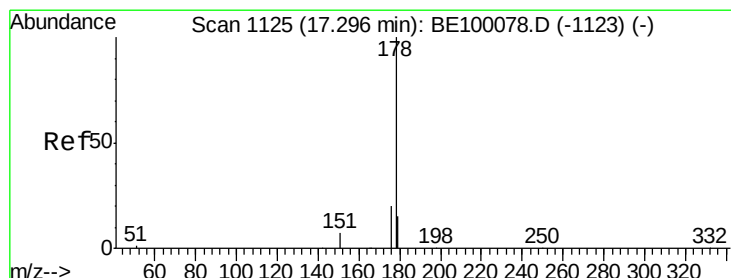
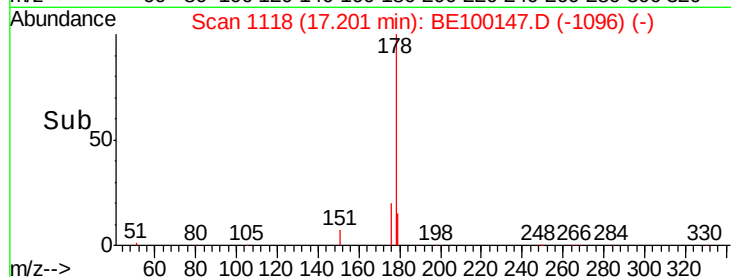
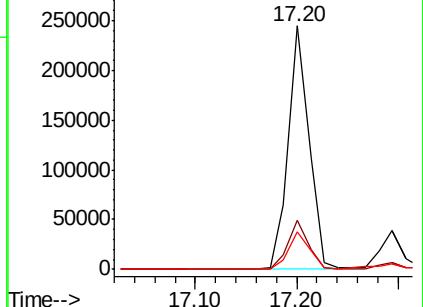
179 15.7 13.1 19.7



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: 3.542 ng

RT: 17.29 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

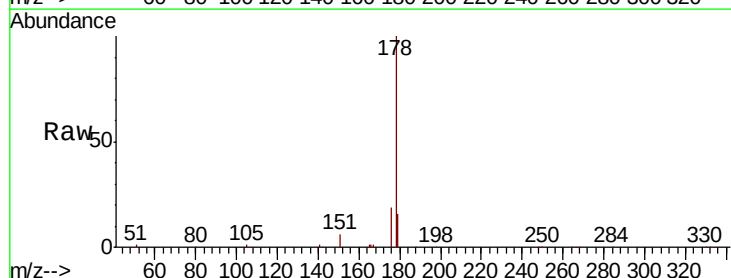
Tgt Ion:178 Resp: 53913

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

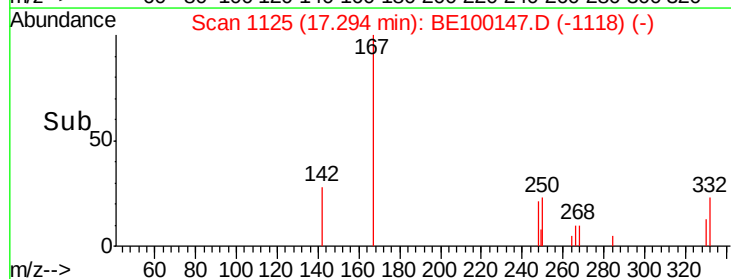
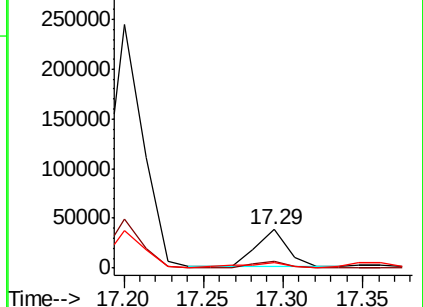
179 19.5 12.0 18.0#

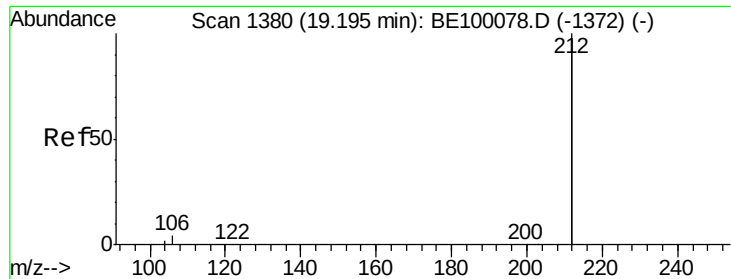


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.019 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

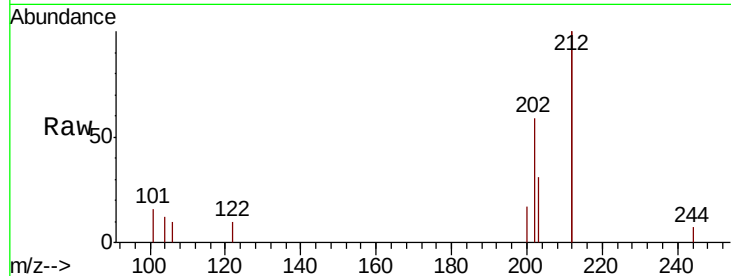
Tgt Ion: 212 Resp: 2099

Ion Ratio Lower Upper

212 100

106 1.6 1.4 2.0

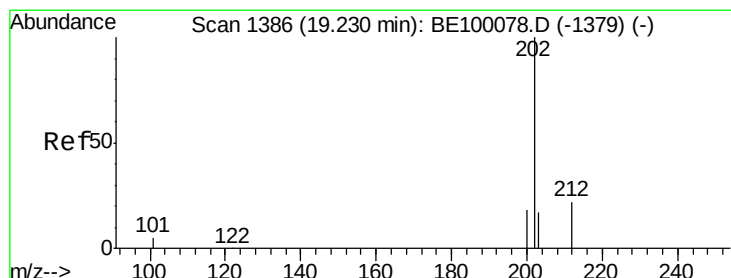
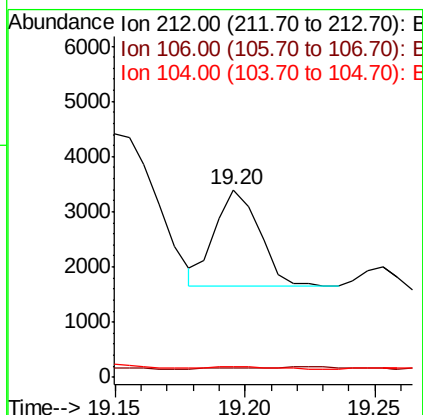
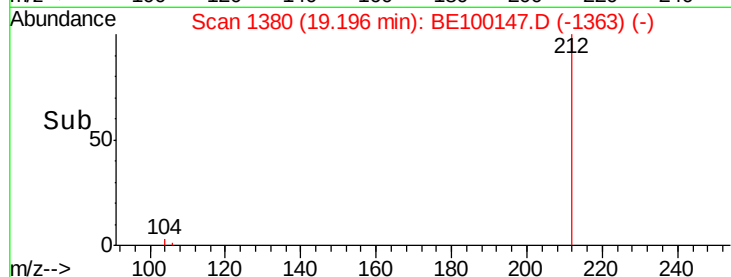
104 3.1 0.8 1.2#



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



#26

Fluoranthene

Concen: 27.888 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

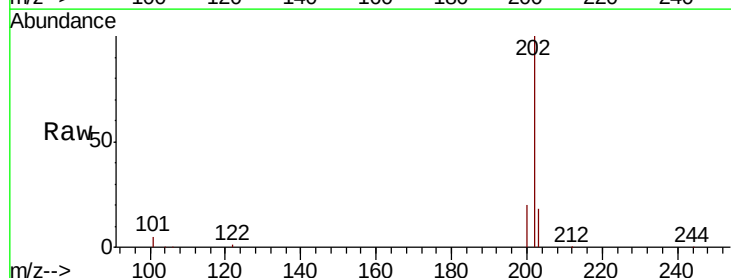
Tgt Ion: 202 Resp: 807983

Ion Ratio Lower Upper

202 100

101 5.3 5.0 7.4

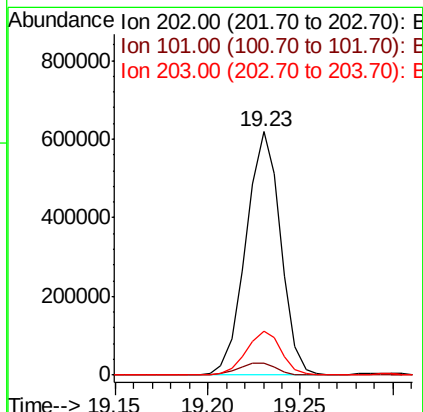
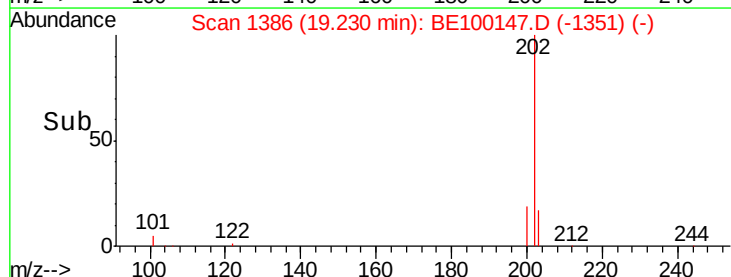
203 17.9 13.7 20.5

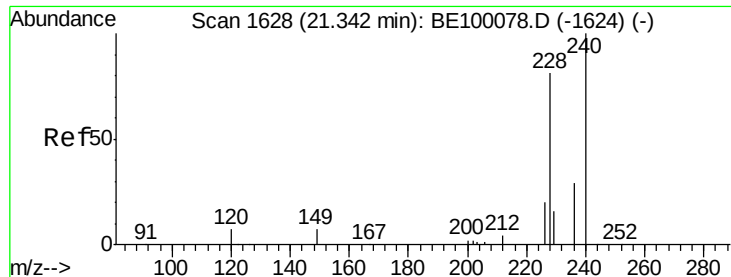


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

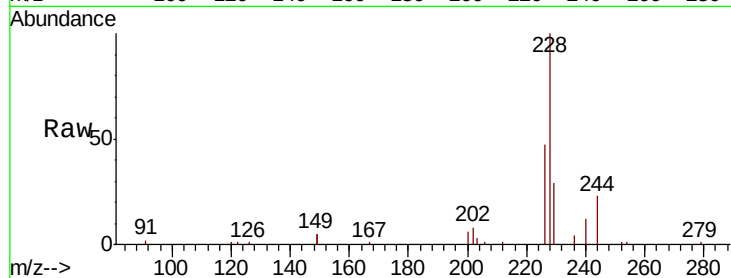
Tgt Ion:240 Resp: 10456

Ion Ratio Lower Upper

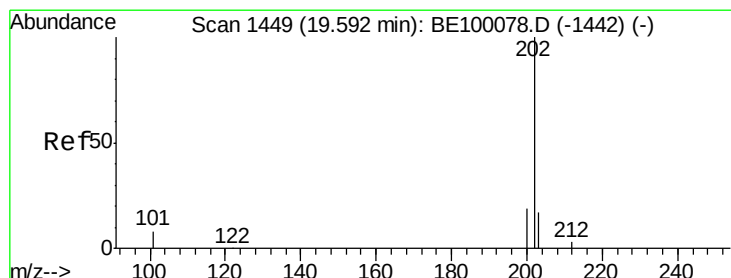
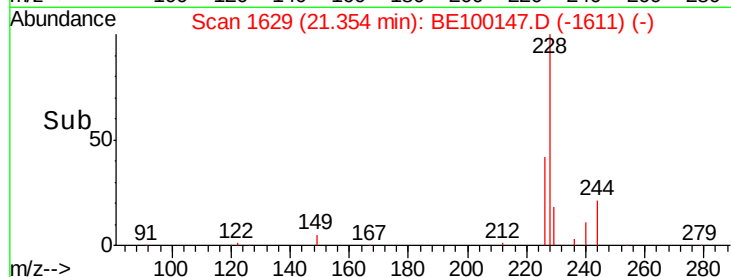
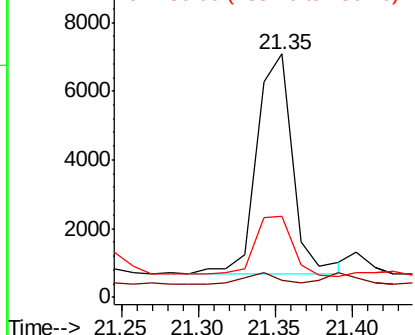
240 100

120 6.8 6.6 10.0

236 33.2 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



#28

Pyrene

Concen: 31.094 ng

RT: 19.59 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

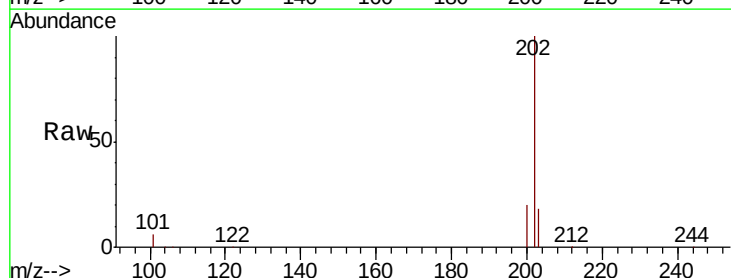
Tgt Ion:202 Resp: 835641

Ion Ratio Lower Upper

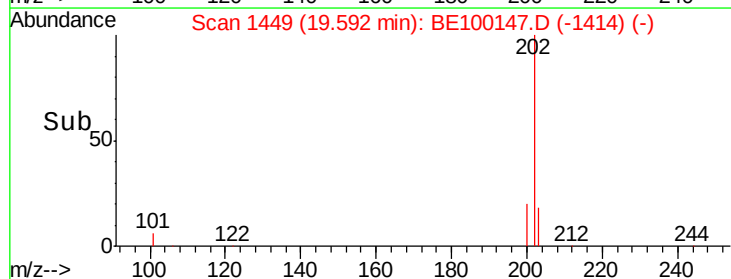
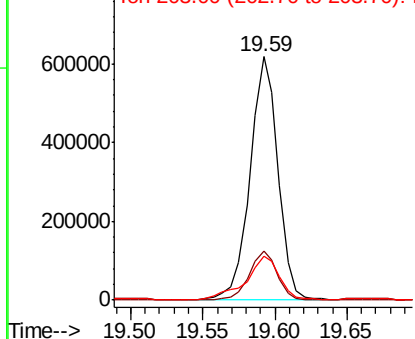
202 100

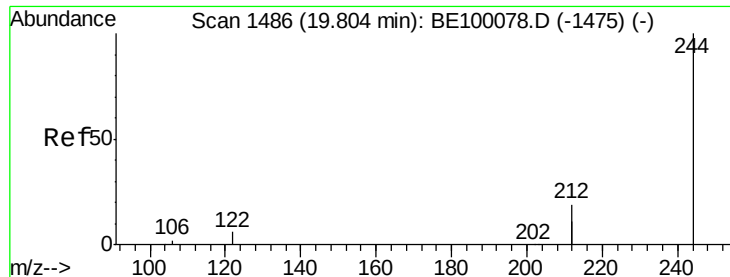
200 20.1 15.6 23.4

203 21.4 13.9 20.9#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.343 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

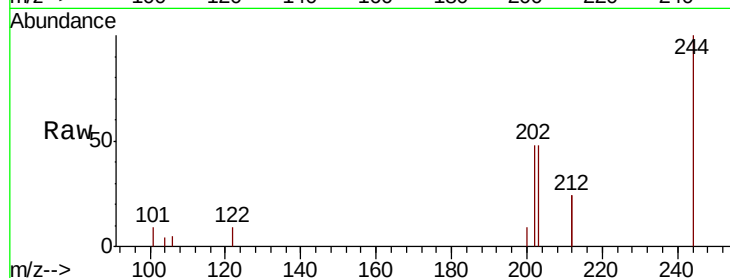
Tgt Ion:244 Resp: 7168

Ion Ratio Lower Upper

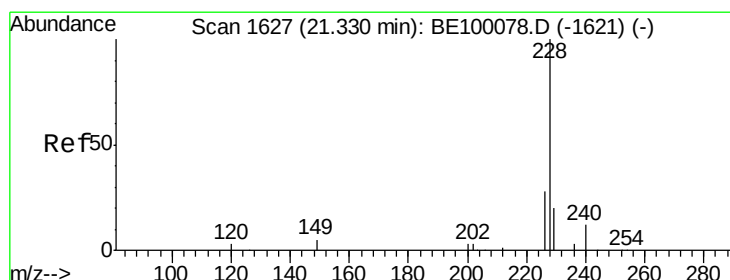
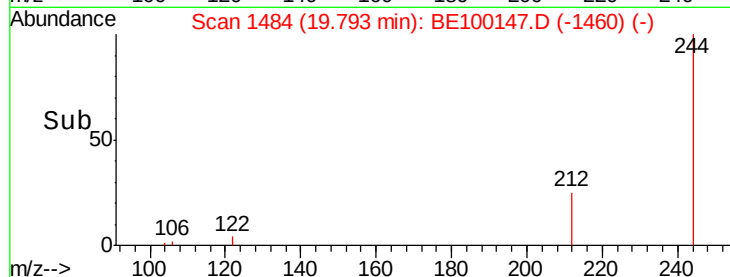
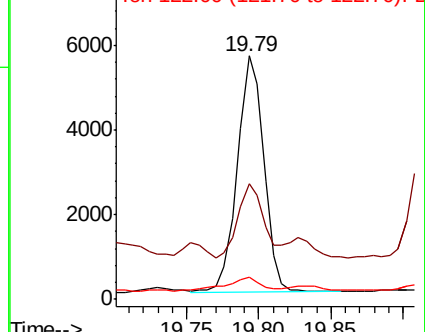
244 100

212 47.6 29.8 44.8#

122 8.9 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



#30

Benzo(a)anthracene

Concen: 16.989 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

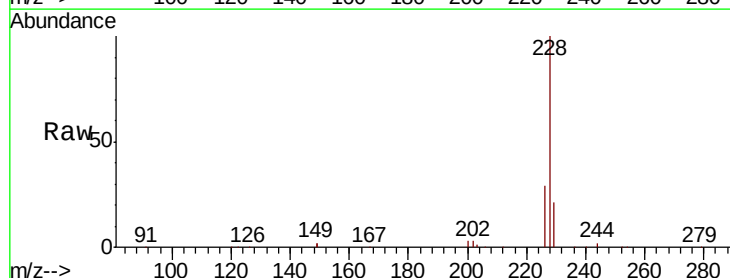
Tgt Ion:228 Resp: 528444

Ion Ratio Lower Upper

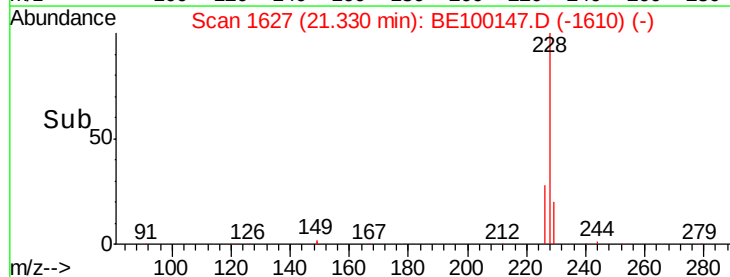
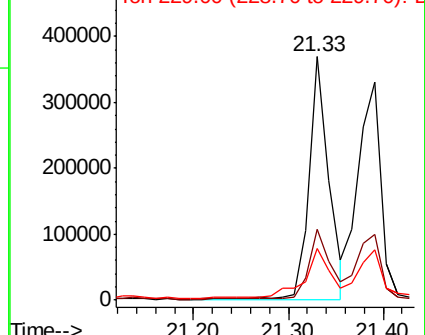
228 100

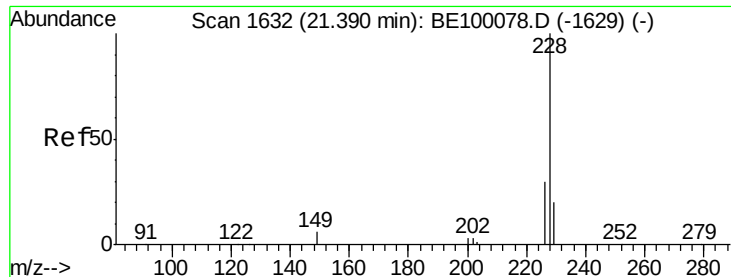
226 29.1 23.0 34.4

229 21.2 16.4 24.6



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: 15.187 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

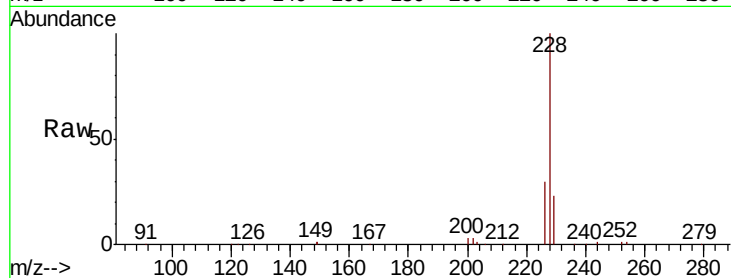
Tgt Ion:228 Resp: 548892

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.8 16.3 24.5

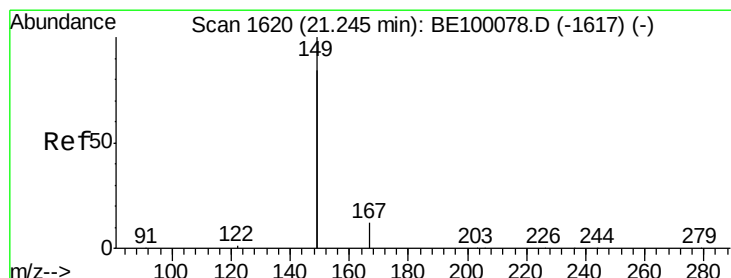
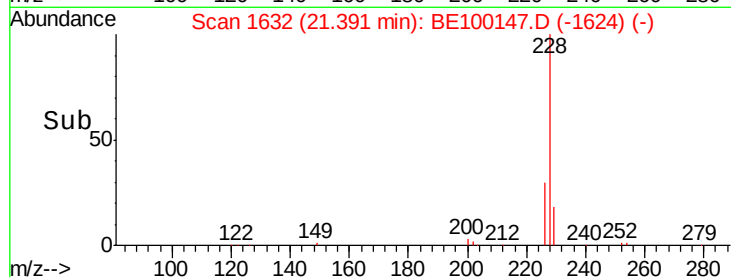
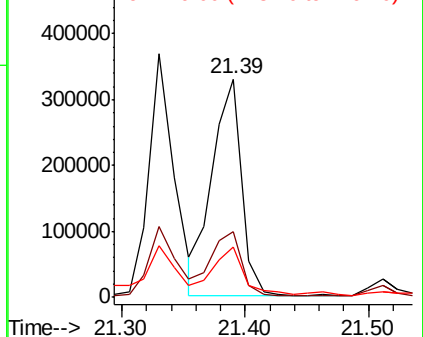


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 10.690 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

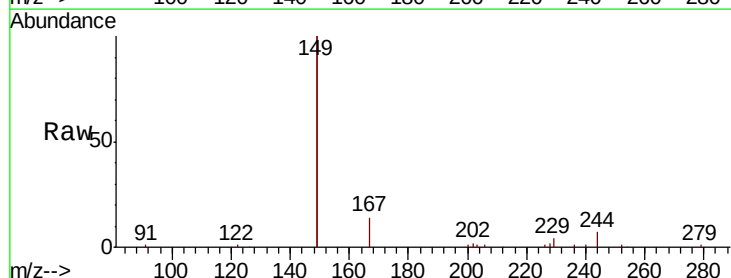
Tgt Ion:149 Resp: 313752

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

279 1.5 1.1 1.7

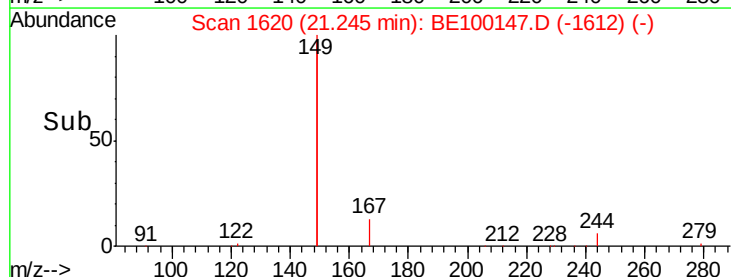
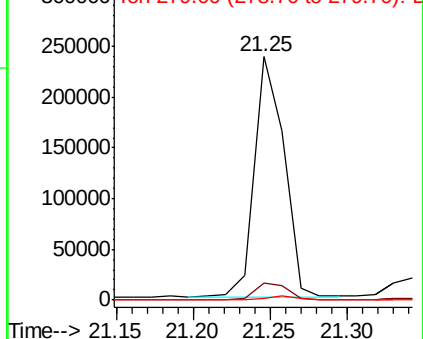


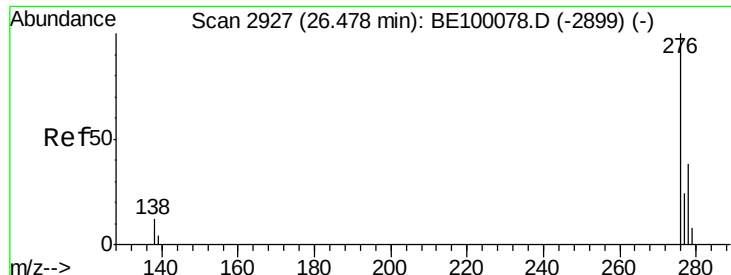
Abundance

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: 9.079 ng

RT: 26.49 min Scan# 2932

Delta R.T. 0.02 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

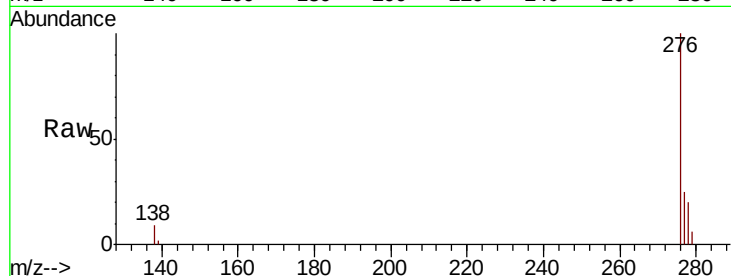
Tgt Ion: 276 Resp: 369233

Ion Ratio Lower Upper

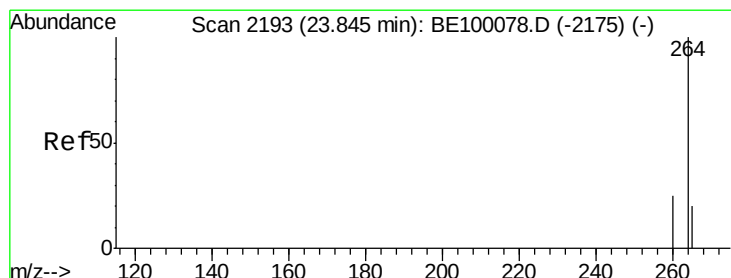
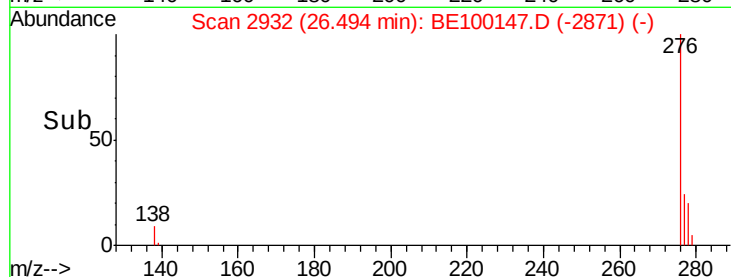
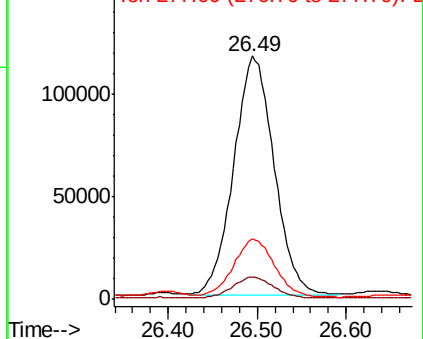
276 100

138 8.9 4.3 6.5#

277 24.4 19.4 29.0



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: 23.85 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

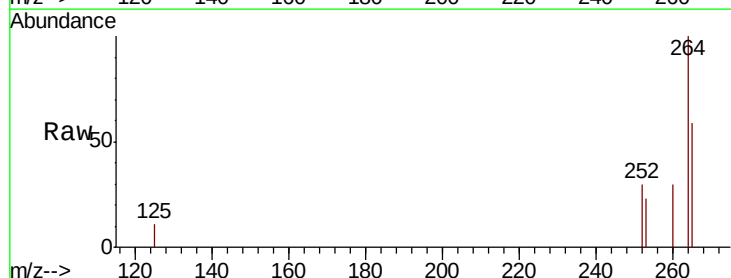
Tgt Ion: 264 Resp: 13256

Ion Ratio Lower Upper

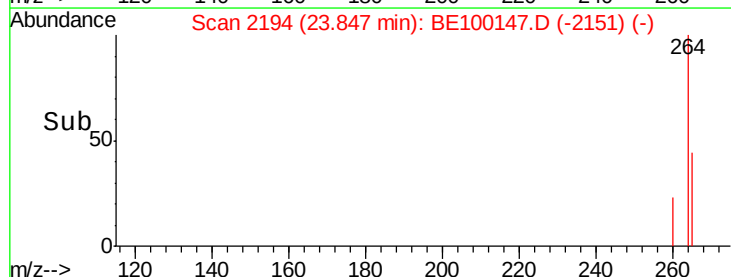
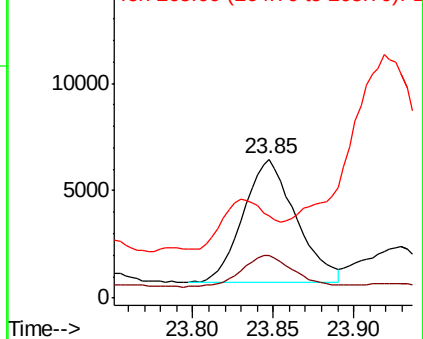
264 100

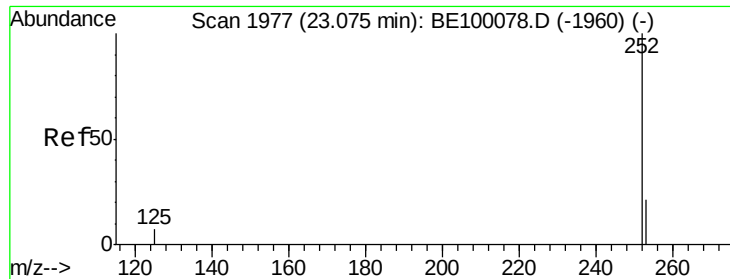
260 30.5 20.8 31.2

265 59.5 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





#35

Benzo(b)fluoranthene

Concen: 16.559 ng

RT: 23.08 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

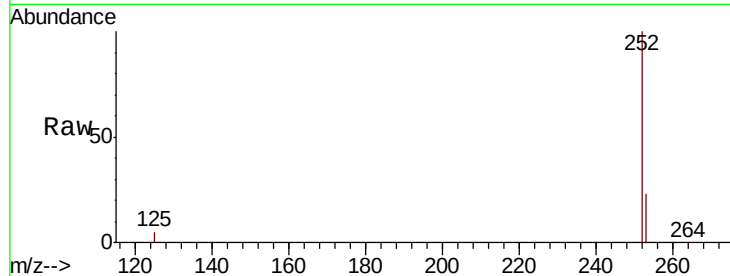
Tgt Ion:252 Resp: 644125

Ion Ratio Lower Upper

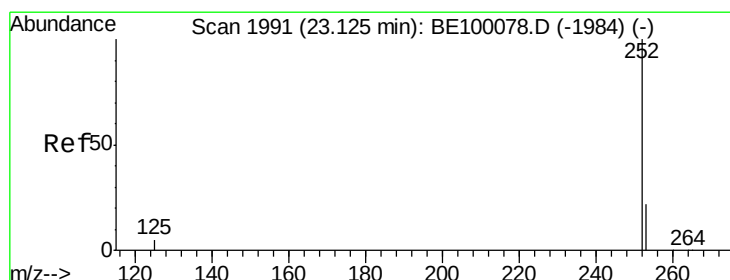
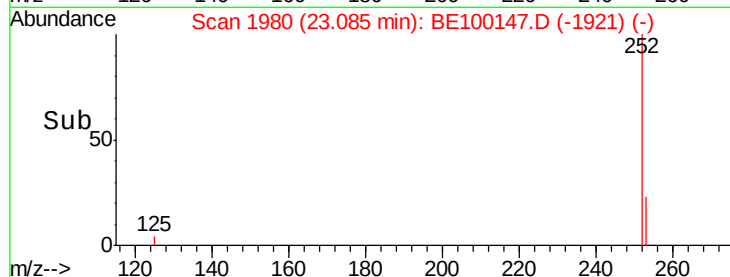
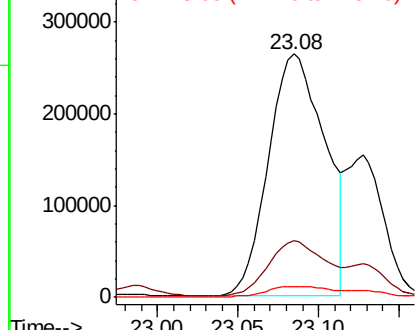
252 100

253 23.1 18.4 27.6

125 4.6 6.4 9.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.992 ng

RT: 23.27 min Scan# 2033

Delta R.T. 0.15 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

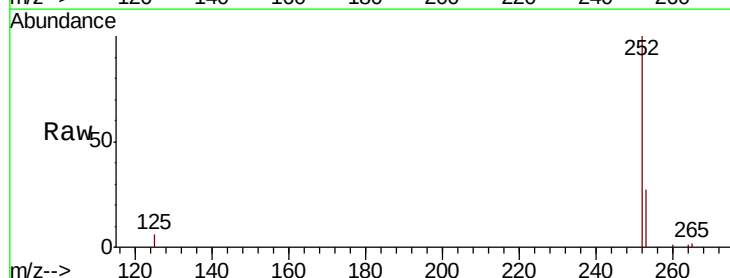
Tgt Ion:252 Resp: 88168

Ion Ratio Lower Upper

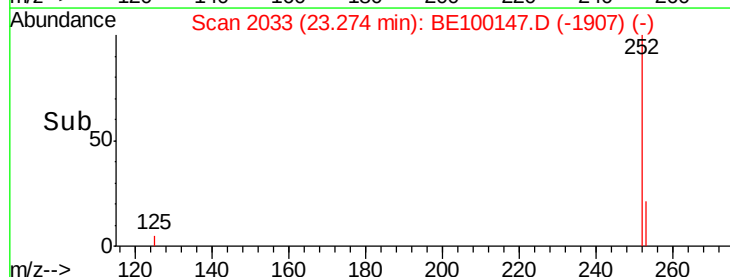
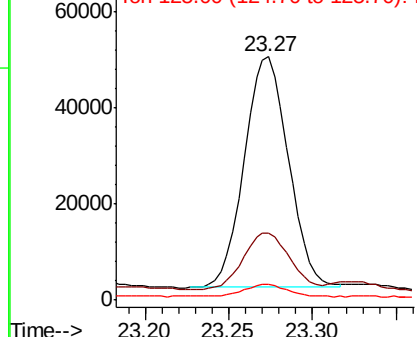
252 100

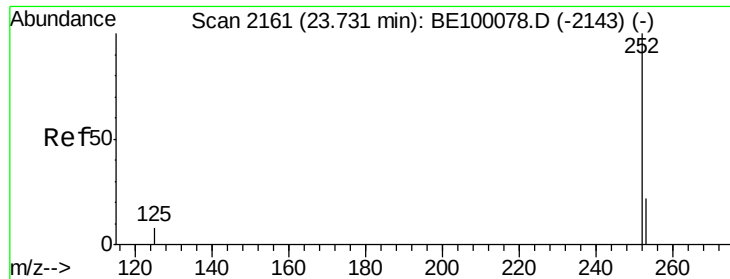
253 27.4 18.9 28.3

125 6.2 5.3 7.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 12.794 ng

RT: 23.74 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

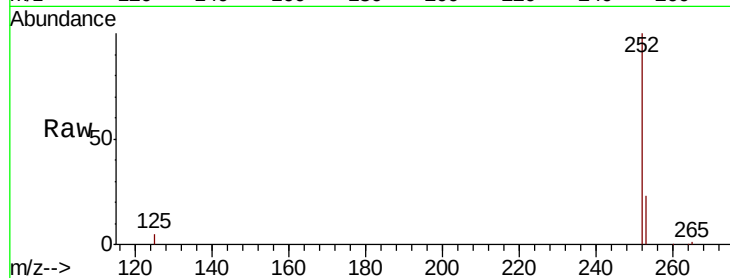
Tgt Ion:252 Resp: 480410

Ion Ratio Lower Upper

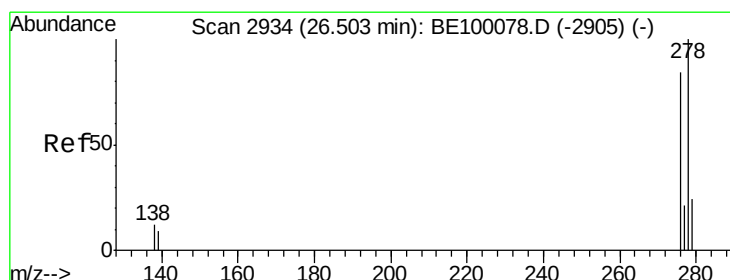
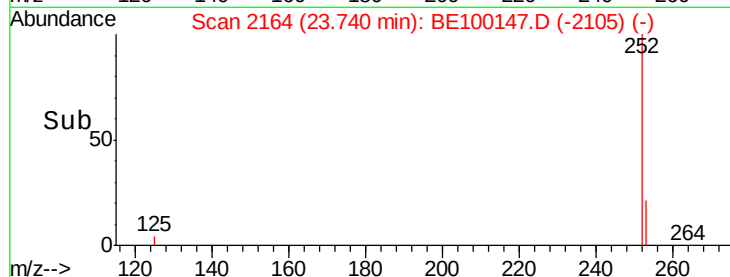
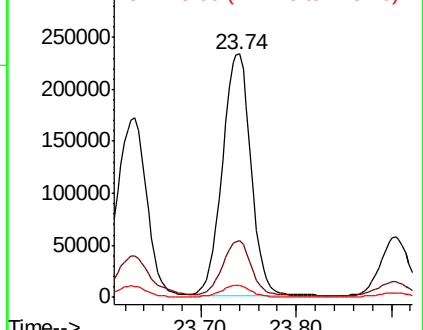
252 100

253 23.1 19.4 29.2

125 4.8 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 2.494 ng

RT: 26.51 min Scan# 2936

Delta R.T. 0.01 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

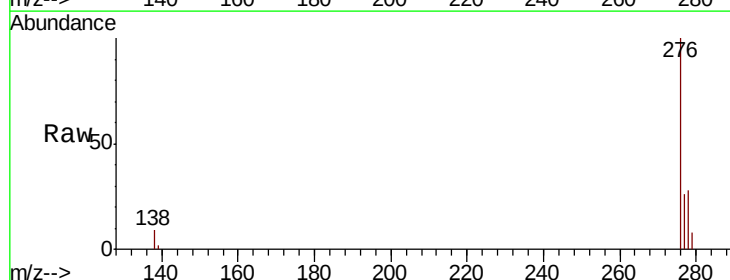
Tgt Ion:278 Resp: 96008

Ion Ratio Lower Upper

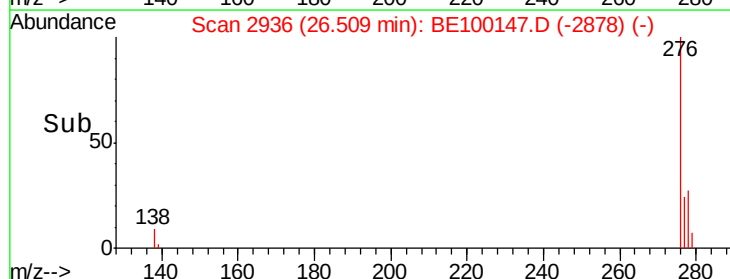
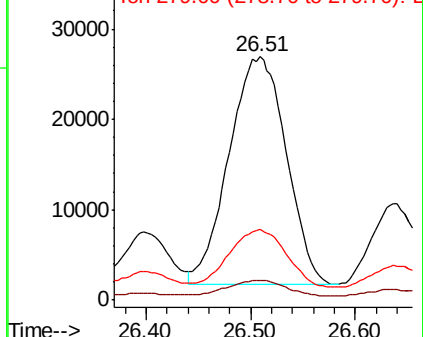
278 100

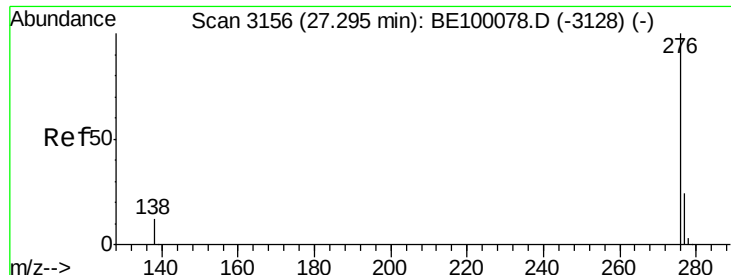
139 7.8 9.0 13.6#

279 29.1 21.4 32.0



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: 9.506 ng

RT: 27.32 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BE100147.D

Acq: 21 Jun 2019 23:47

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

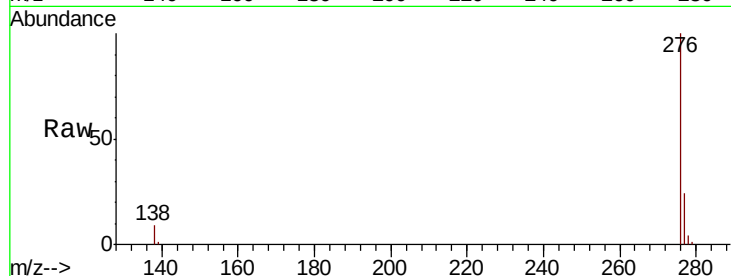
Tgt Ion: 276 Resp: 380210

Ion Ratio Lower Upper

276 100

277 24.4 20.3 30.5

138 9.3 11.3 16.9



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

