

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070119\
 Data File : BE100274.D
 Acq On : 1 Jul 2019 20:19
 Operator : JU/SJ
 Sample : K3428-08DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXT-013-SW164-061319DL

Quant Time: Jul 02 02:22:28 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	7.64	152	812	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3020	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2387	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6699	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8671	0.40	ng	0.00
34) Perylene-d12	23.67	264	9914	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	64	0.03	ng	0.00
5) Phenol-d6	6.84	99	91	0.03	ng	0.00
8) Nitrobenzene-d5	8.85	82	93	0.03	ng	0.03
11) 2-Methylnaphthalene-d10	12.05	152	174	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	47	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	272	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	2913	0.03	ng	0.00
29) Terphenyl-d14	19.70	244	1445	0.08	ng	0.00

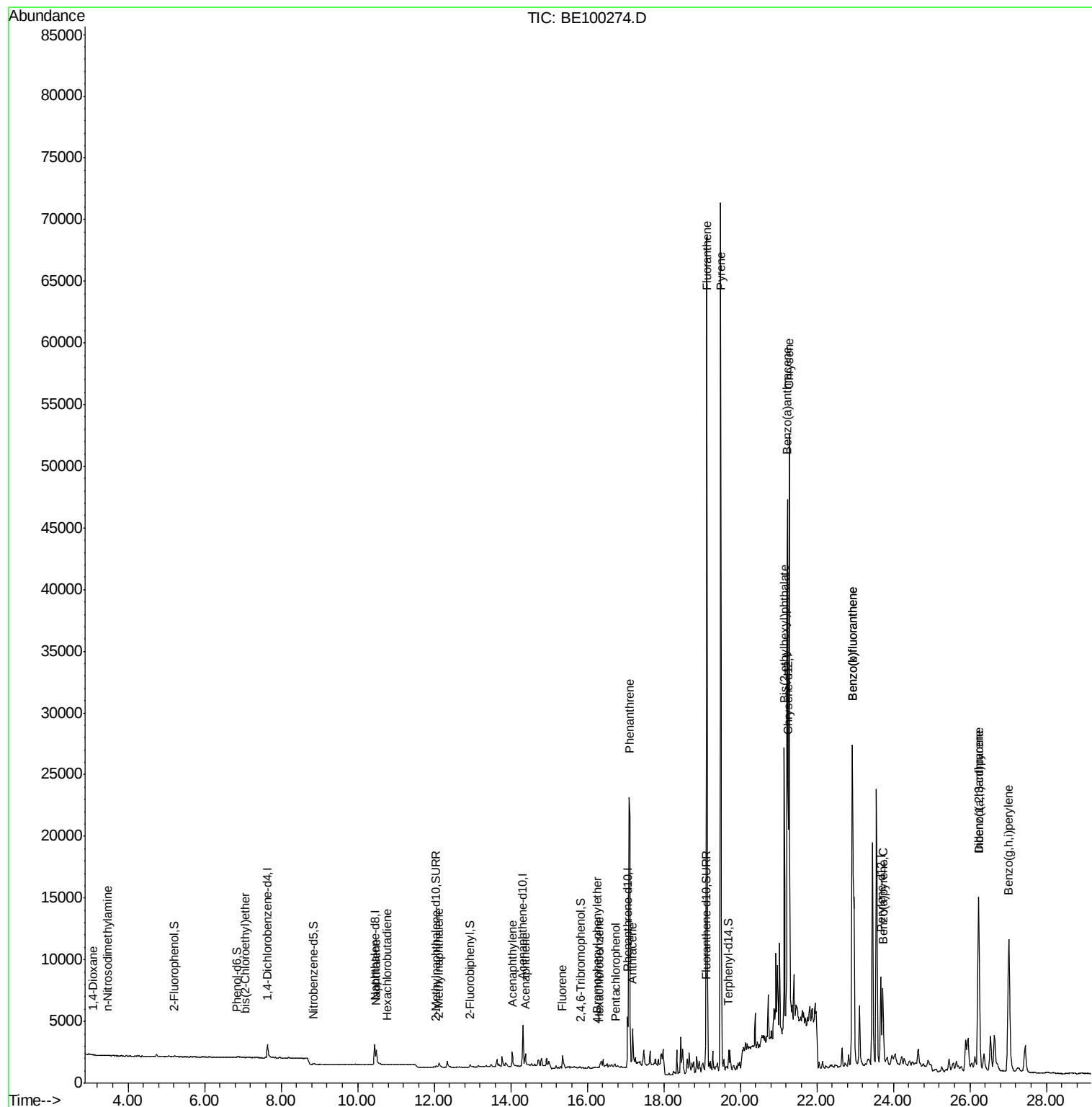
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	45	0.036	ng	# 45
3) n-Nitrosodimethylamine	3.46	42	11	0.019	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	6	0.003	ng	# 1
9) Naphthalene	10.48	128	2324	0.070	ng	# 92
10) Hexachlorobutadiene	10.76	225	2	0.001	ng	# 1
12) 2-Methylnaphthalene	12.12	142	337	0.058	ng	# 89
16) Acenaphthylene	14.04	152	1721	0.150	ng	99
17) Acenaphthene	14.38	154	501	0.077	ng	98
18) Fluorene	15.35	166	1176	0.123	ng	# 93
20) 4-Bromophenyl-phenylether	16.25	248	10	0.002	ng	# 62
21) Hexachlorobenzene	16.32	284	8	0.002	ng	# 48
22) Pentachlorophenol	16.73	266	22	0.016	ng	# 75
23) Phenanthrene	17.09	178	28126	1.732	ng	99
24) Anthracene	17.19	178	4101	0.280	ng	99
26) Fluoranthene	19.13	202	64078	2.478	ng	99
28) Pyrene	19.49	202	65922	2.872	ng	96
30) Benzo(a)anthracene	21.23	228	39048	1.370	ng	97
31) Chrysene	21.28	228	44370	1.550	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	24808	0.558	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	27705	0.732	ng	97
35) Benzo(b)fluoranthene	22.93	252	50448	1.877	ng	# 97
36) Benzo(k)fluoranthene	22.93	252	50448	1.681	ng	98
37) Benzo(a)pyrene	23.72	252	8298	0.308	ng	93
38) Dibenzo(a,h)anthracene	26.24	278	7227	0.257	ng	# 86
39) Benzo(g,h,i)perylene	27.02	276	29126	1.008	ng	99

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

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QLast Update : Fri Jun 28 14:06:53 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

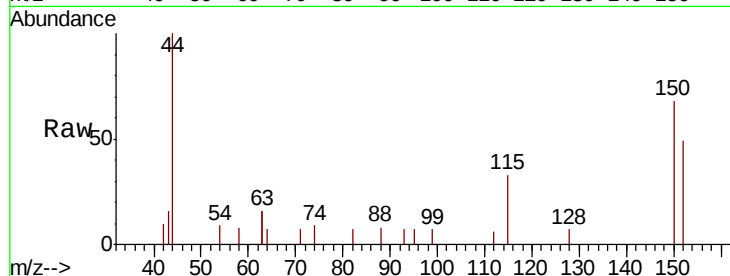
Tgt Ion: 152 Resp: 812

Ion Ratio Lower Upper

152 100

150 139.0 114.5 171.7

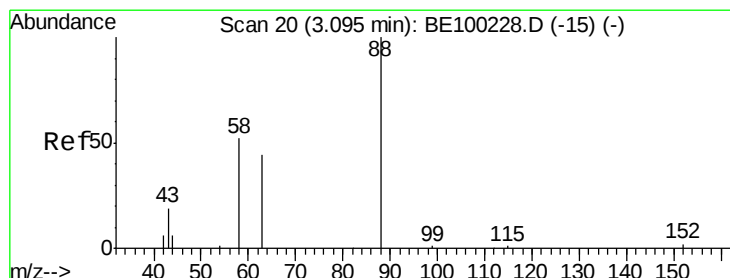
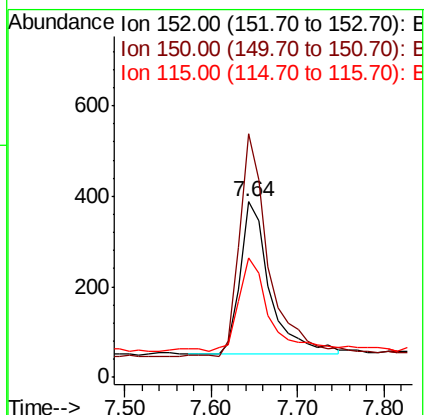
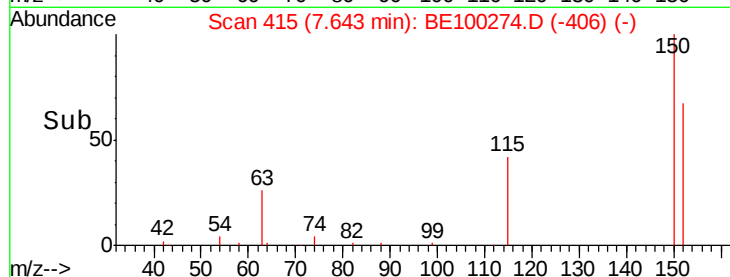
115 68.2 57.1 85.7



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: 0.036 ng

RT: 3.07 min Scan# 18

Delta R.T. -0.02 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

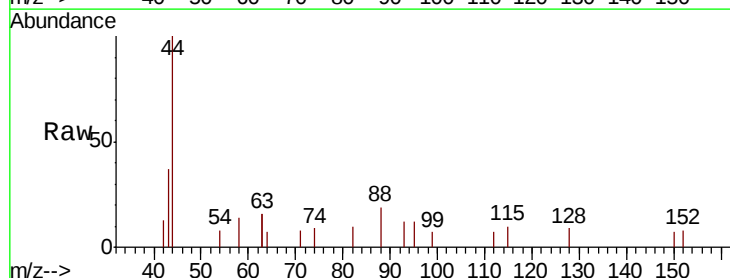
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

58 13.3 43.6 65.4#

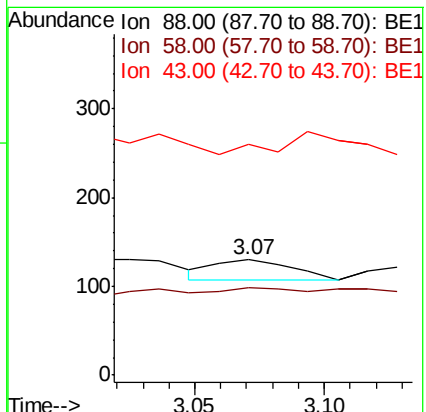
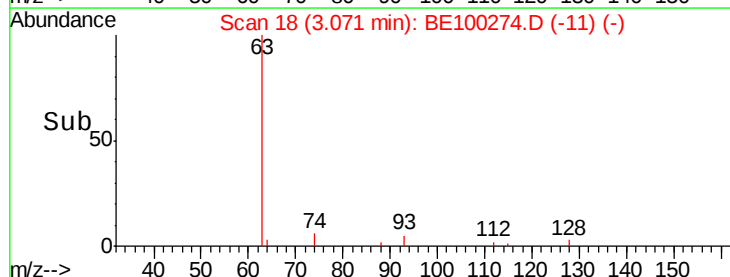
43 0.0 21.4 32.0#

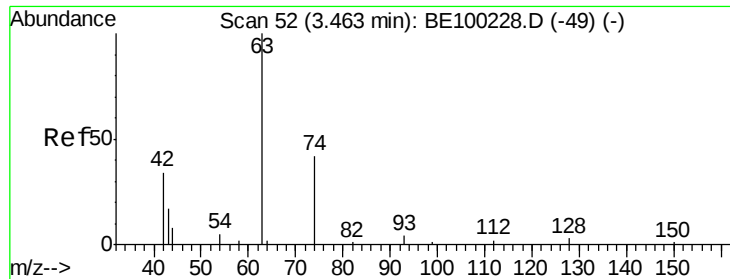


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.019 ng

RT: 3.46 min Scan# 52

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

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ClientSampleId :

EXT-013-SW164-061319DL

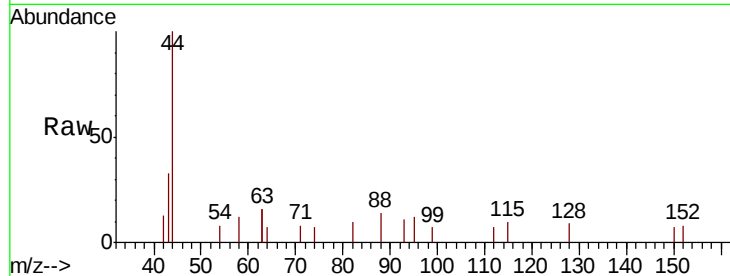
Tgt Ion: 42 Resp: 11

Ion Ratio Lower Upper

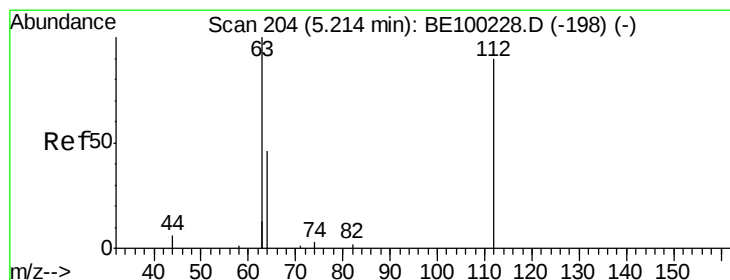
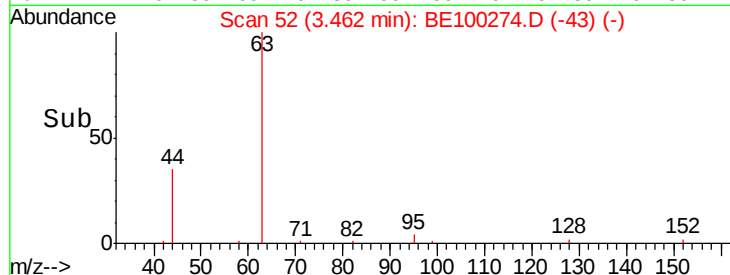
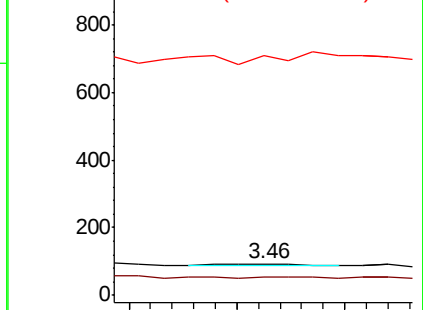
42 100

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: 0.031 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

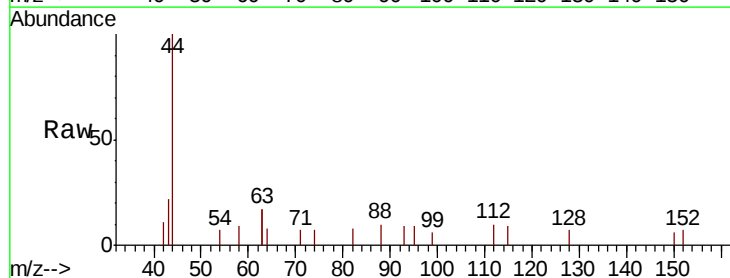
Tgt Ion: 112 Resp: 64

Ion Ratio Lower Upper

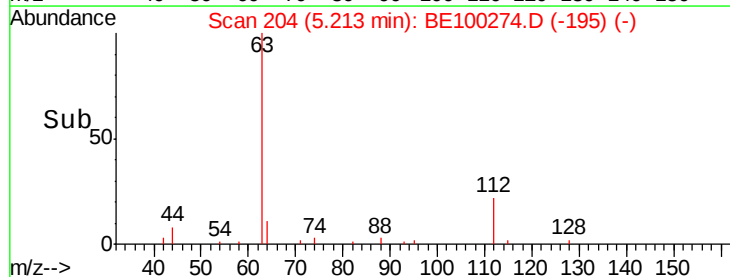
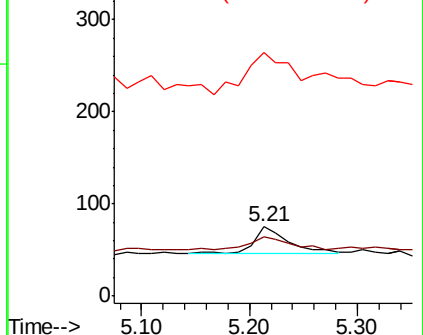
112 100

64 60.9 39.4 59.0#

63 228.1 104.5 156.7#



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: 0.033 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

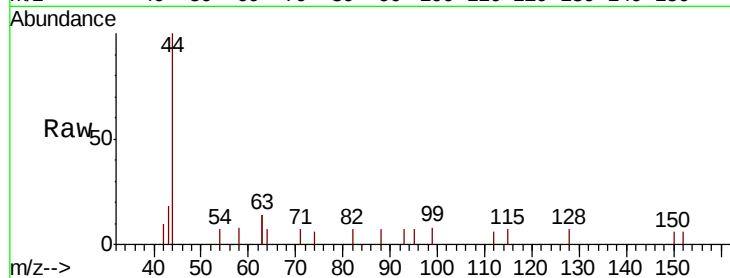
Tgt Ion: 99 Resp: 91

Ion Ratio Lower Upper

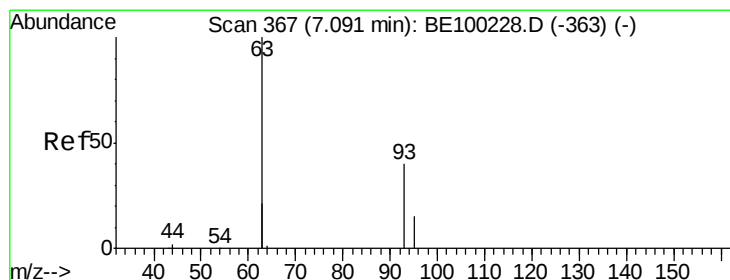
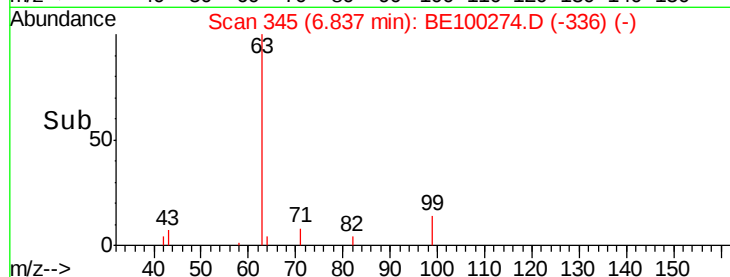
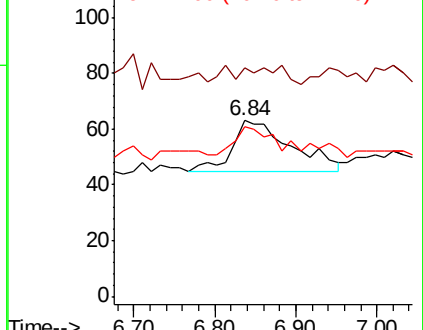
99 100

42 0.0 11.2 16.8#

71 35.2 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



#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.07 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

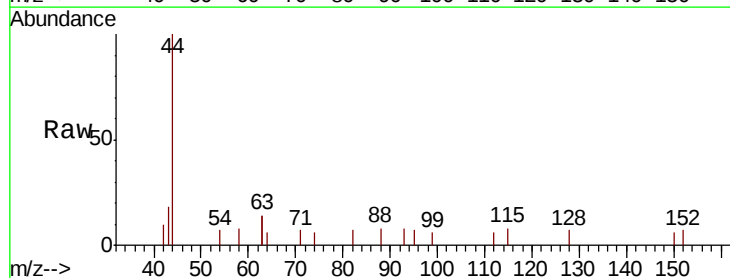
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

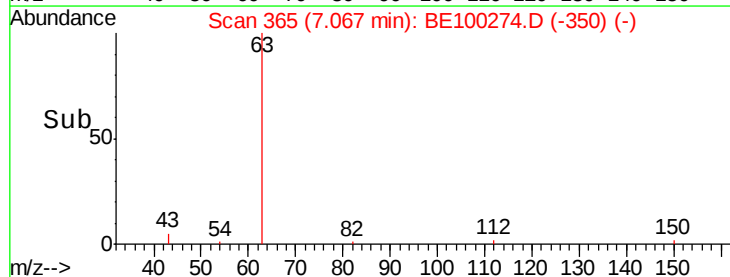
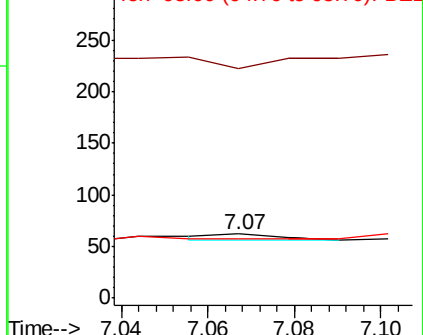
93 100

63 0.0 155.6 233.4#

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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

Tgt Ion:136 Resp: 3020

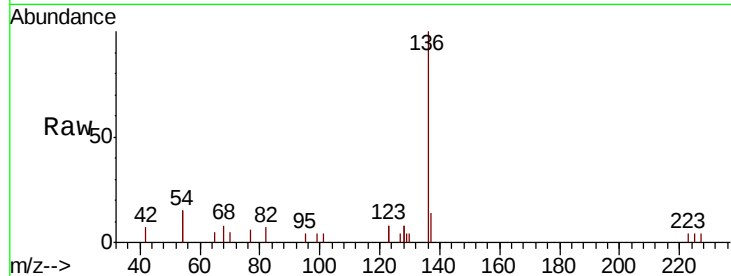
Ion Ratio Lower Upper

136 100

137 14.2 11.8 17.8

54 30.0 27.7 41.5

68 7.8 6.8 10.2

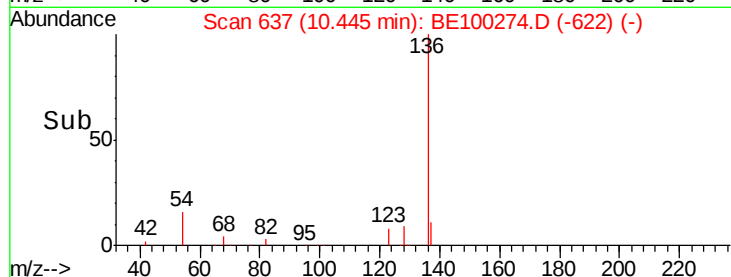
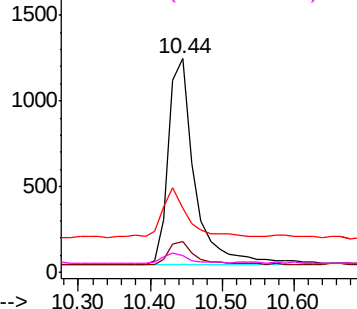


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.031 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.03 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

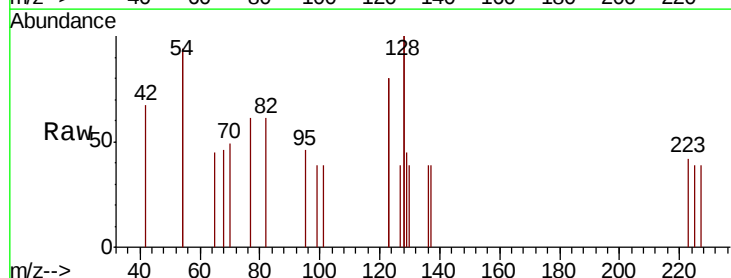
Tgt Ion: 82 Resp: 93

Ion Ratio Lower Upper

82 100

128 326.0 140.9 211.3#

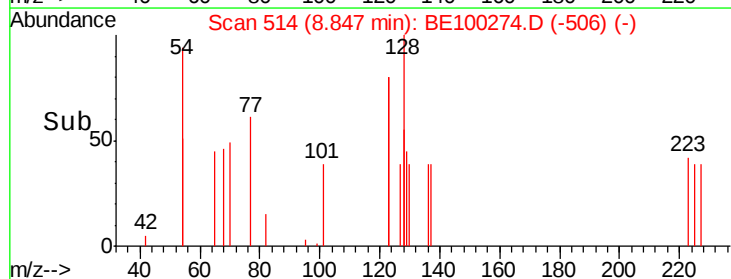
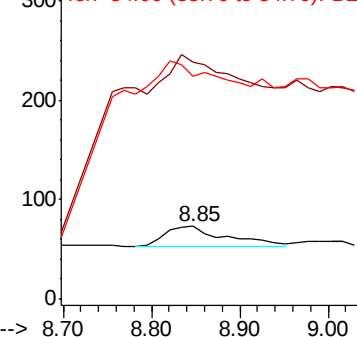
54 306.8 146.2 219.2#



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: 0.070 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

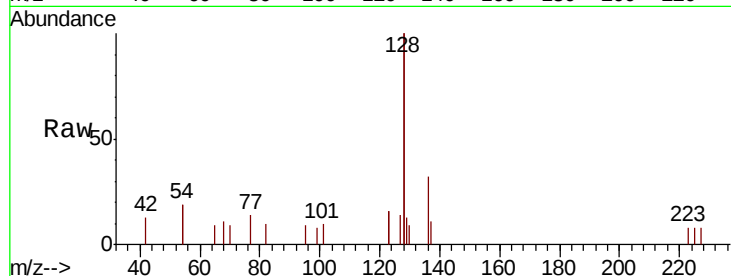
Tgt Ion:128 Resp: 2324

Ion Ratio Lower Upper

128 100

129 6.6 3.0 4.6#

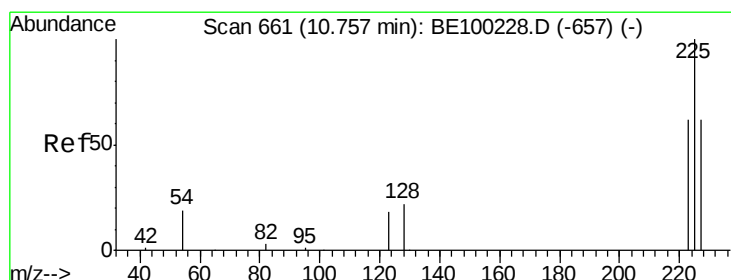
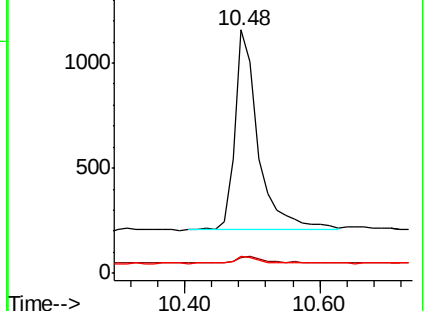
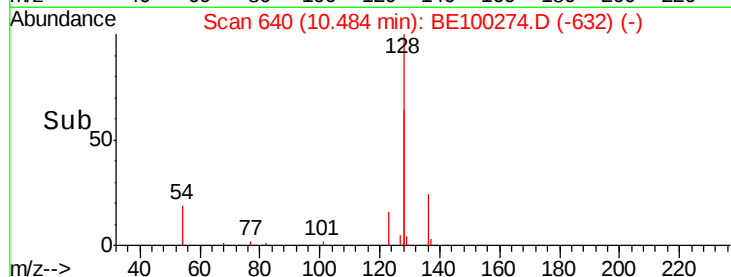
127 6.9 3.5 5.3#



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



#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

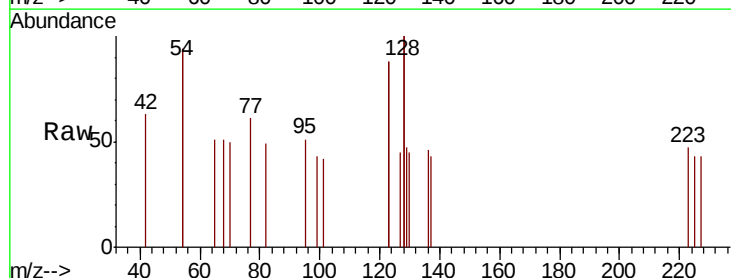
Tgt Ion:225 Resp: 2

Ion Ratio Lower Upper

225 100

223 250.0 49.1 73.7#

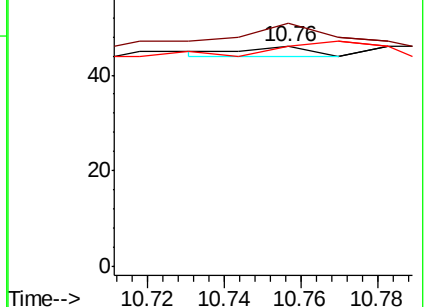
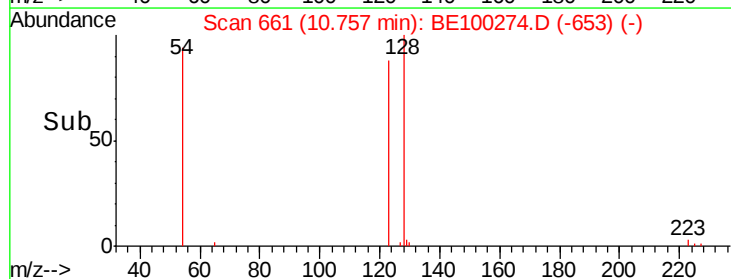
227 350.0 49.3 73.9#

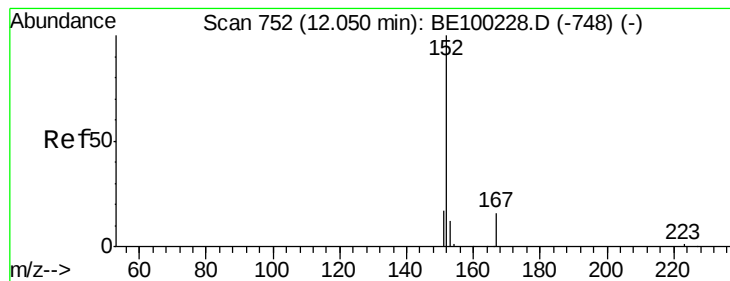


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.031 ng

RT: 12.05 min Scan# 752

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

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ClientSampleId :

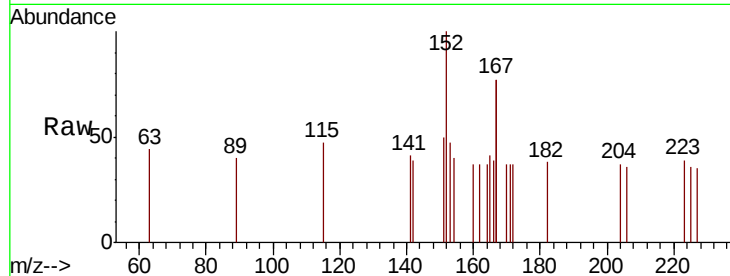
EXT-013-SW164-061319DL

Tgt Ion:152 Resp: 174

Ion Ratio Lower Upper

152 100

151 28.7 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

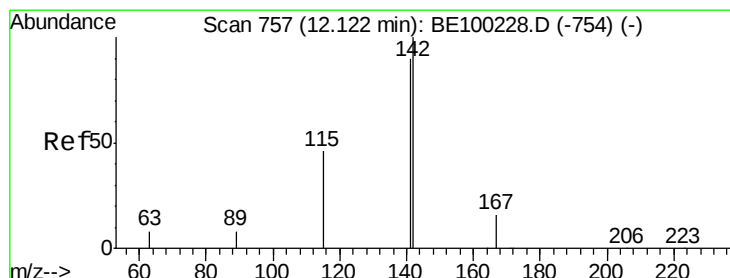
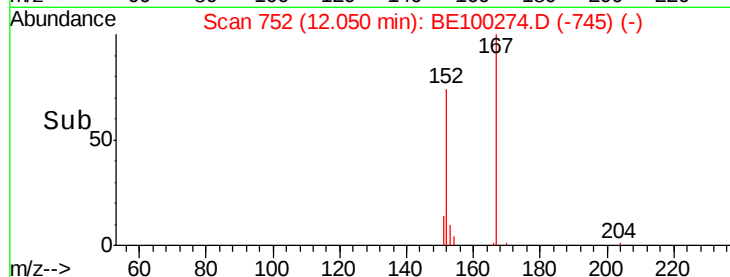
12.05

100

50

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.058 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

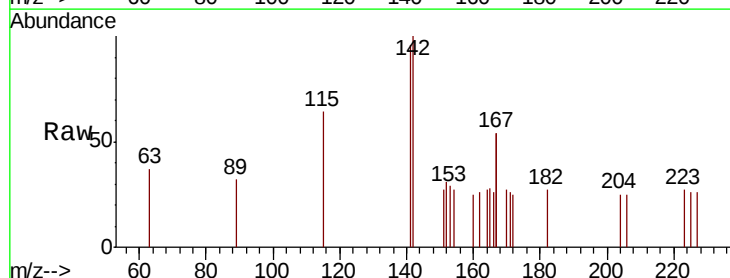
Tgt Ion:142 Resp: 337

Ion Ratio Lower Upper

142 100

141 96.0 72.4 108.6

115 64.4 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

12.12

200

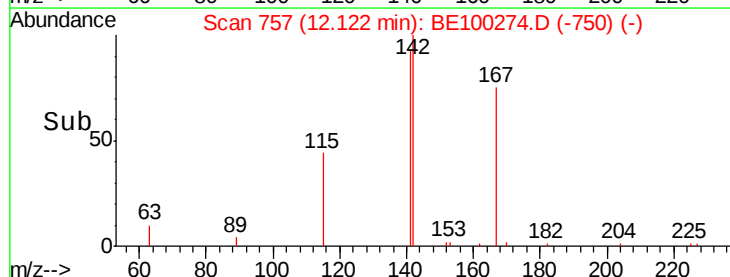
150

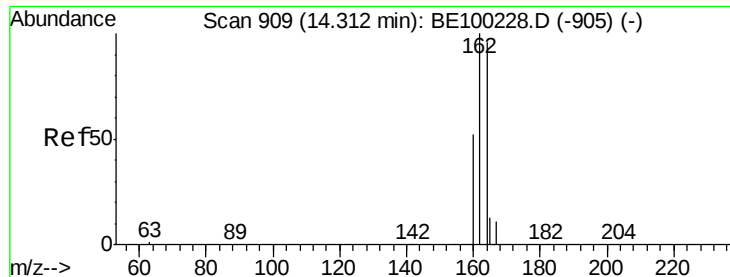
100

50

0

Time-->

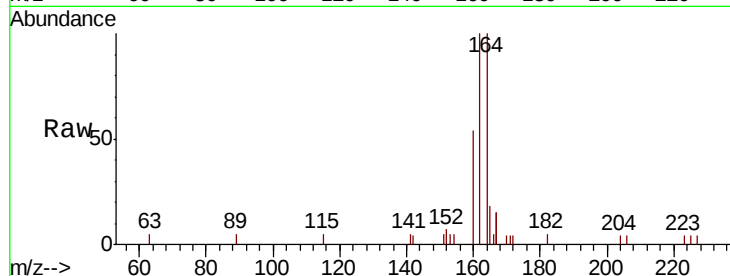




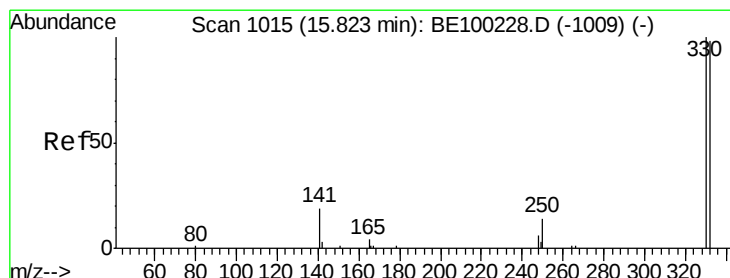
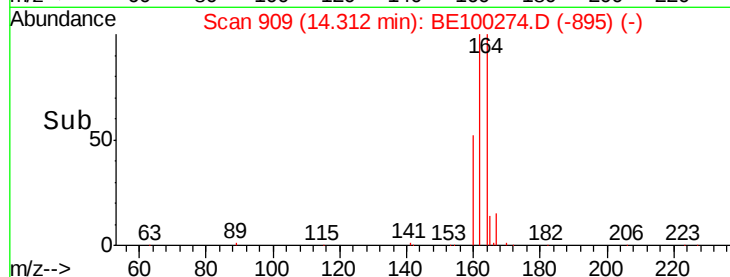
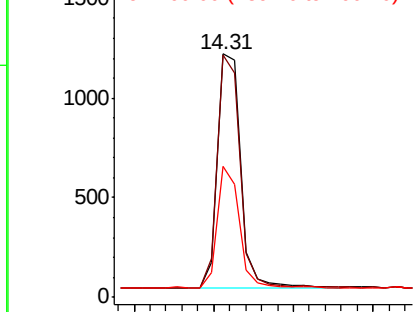
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW164-061319DL

Tgt Ion:164 Resp: 2387
Ion Ratio Lower Upper
164 100
162 99.7 83.4 125.0
160 53.6 45.0 67.6

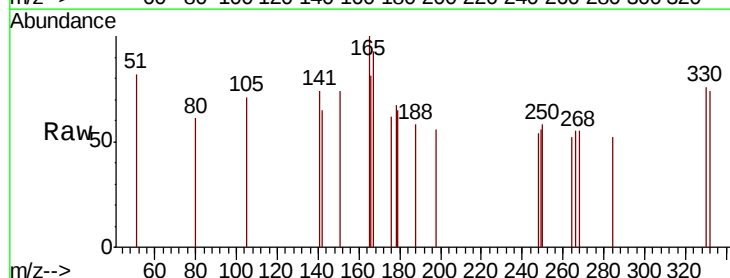


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

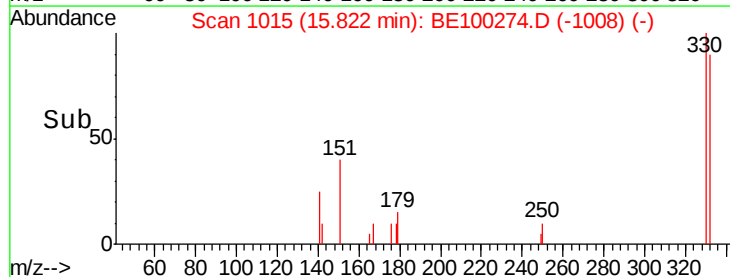
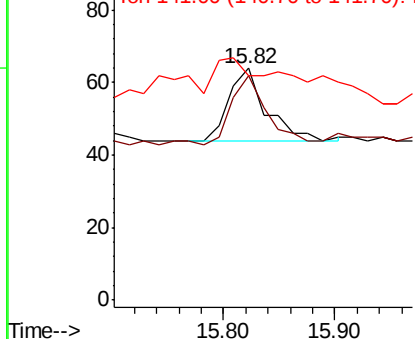


#14
2,4,6-Tribromophenol
Concen: 0.028 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion:330 Resp: 47
Ion Ratio Lower Upper
330 100
332 74.5 77.0 115.4#
141 146.8 22.0 33.0#



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

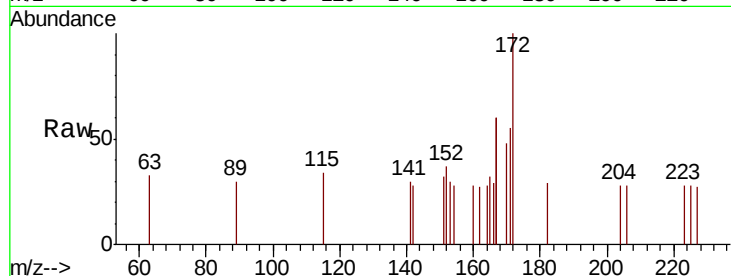




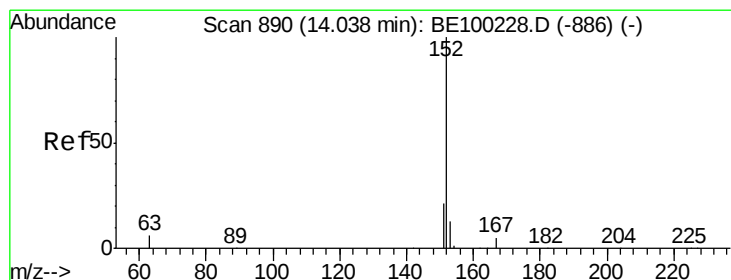
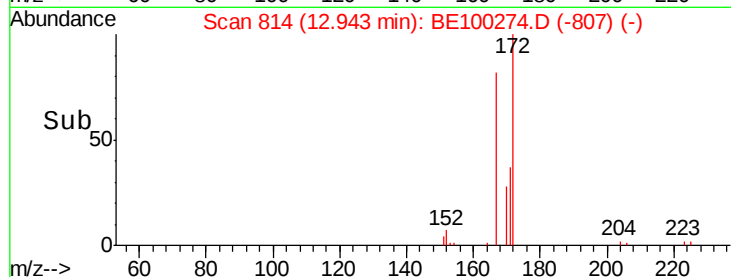
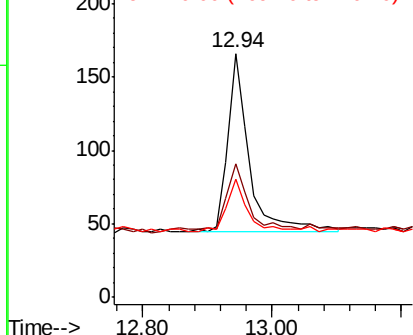
#15
2-Fluorobiphenyl
Concen: 0.029 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW164-061319DL

Tgt Ion:172 Resp: 272
Ion Ratio Lower Upper
172 100
171 54.8 31.9 47.9#
170 48.2 22.2 33.2#

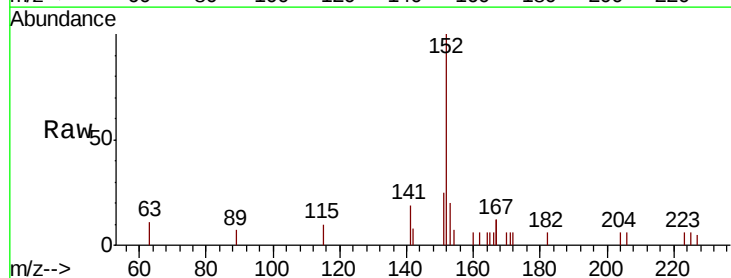


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

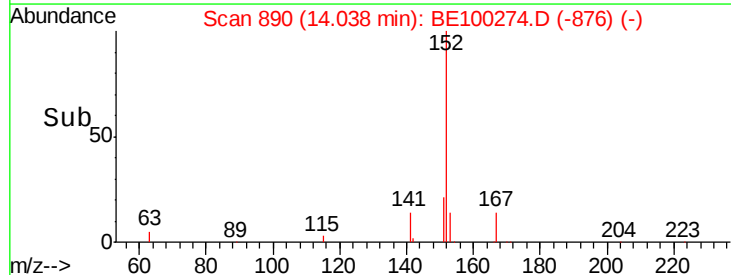
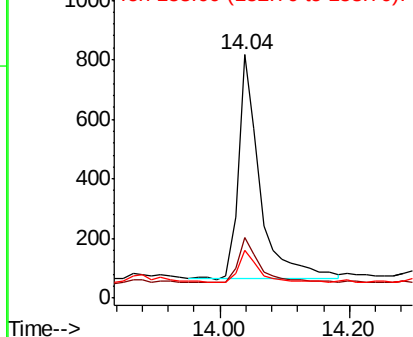


#16
Acenaphthylene
Concen: 0.150 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion:152 Resp: 1721
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 12.8 10.5 15.7



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

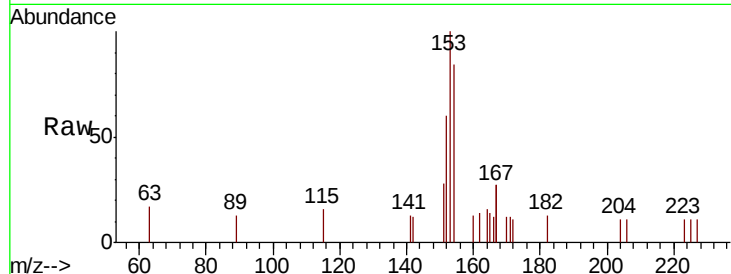




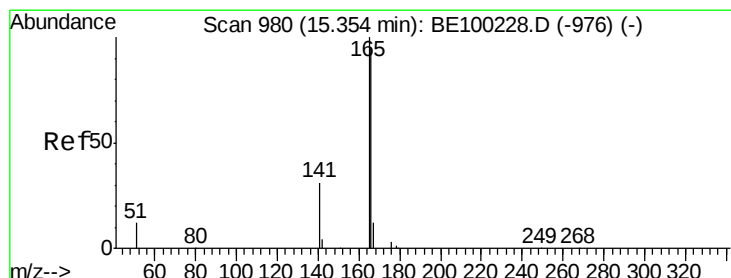
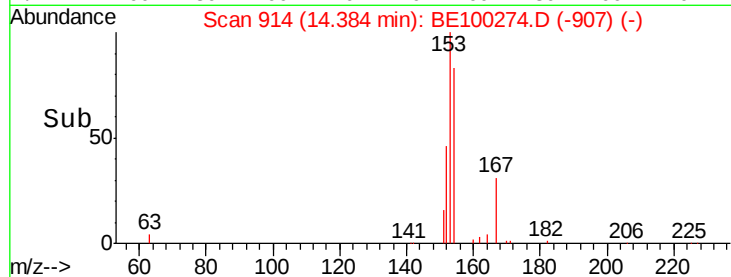
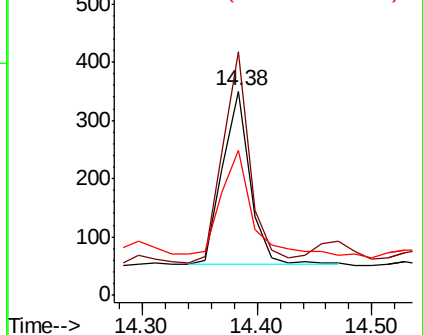
#17
Acenaphthene
Concen: 0.077 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW164-061319DL

Tgt Ion:154 Resp: 501
Ion Ratio Lower Upper
154 100
153 117.6 93.4 140.2
152 66.3 49.4 74.2

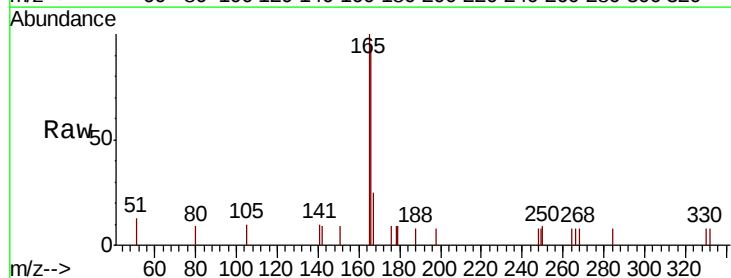


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

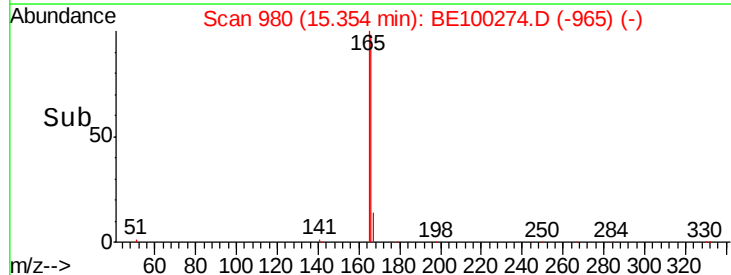
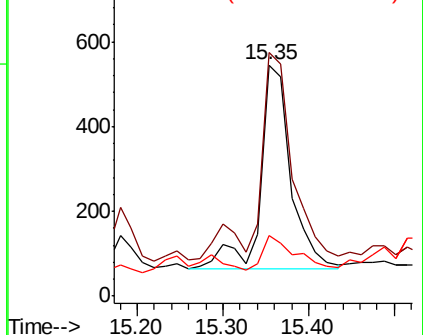


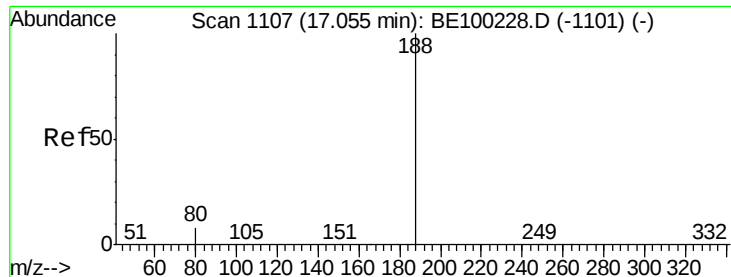
#18
Fluorene
Concen: 0.123 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100274.D
Acq: 1 Jul 2019 20:19

Tgt Ion:166 Resp: 1176
Ion Ratio Lower Upper
166 100
165 95.0 81.1 121.7
167 18.8 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: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

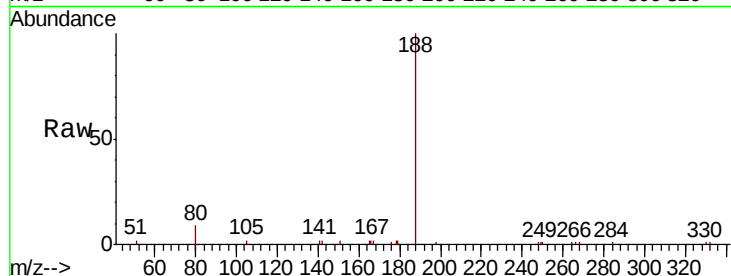
Tgt Ion:188 Resp: 6699

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

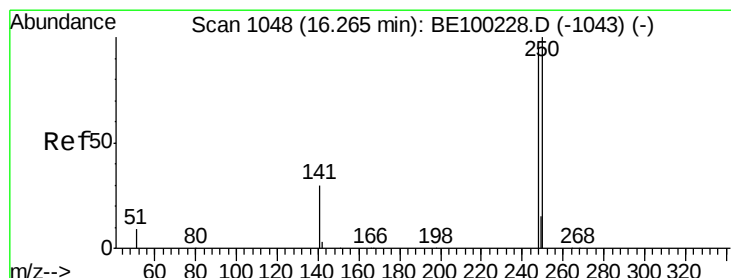
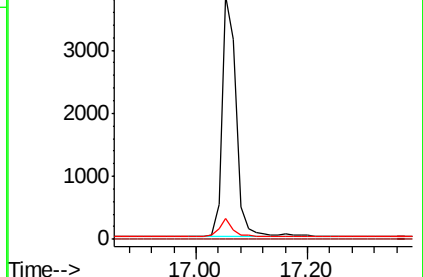
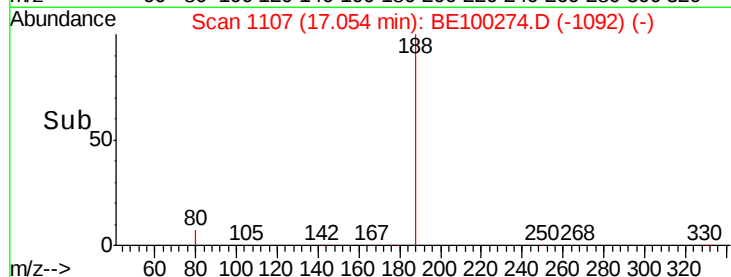
80 8.7 7.6 11.4



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



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

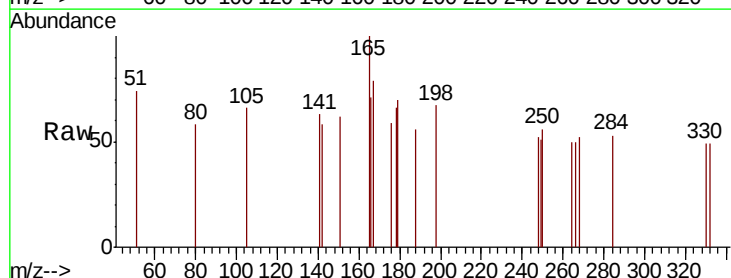
Tgt Ion:248 Resp: 10

Ion Ratio Lower Upper

248 100

250 106.4 84.2 126.4

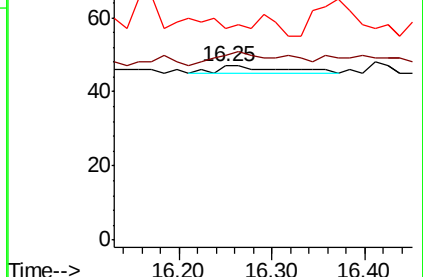
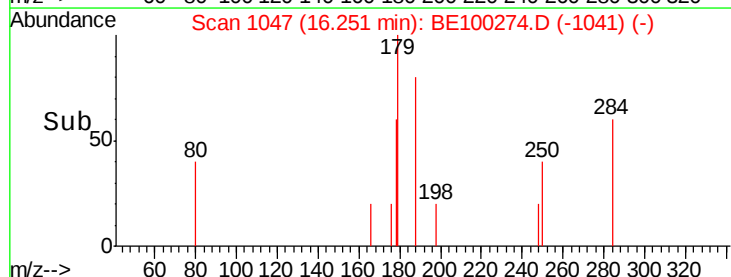
141 121.3 29.3 43.9#

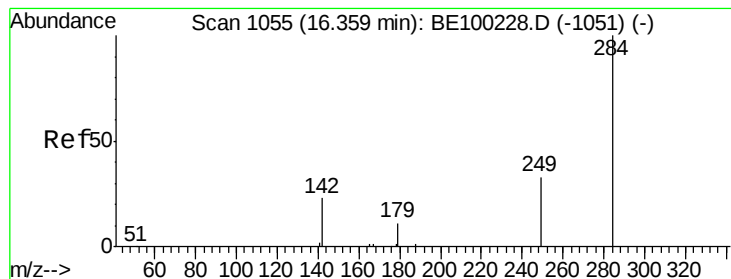


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.002 ng

RT: 16.32 min Scan# 1052

Delta R.T. -0.04 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

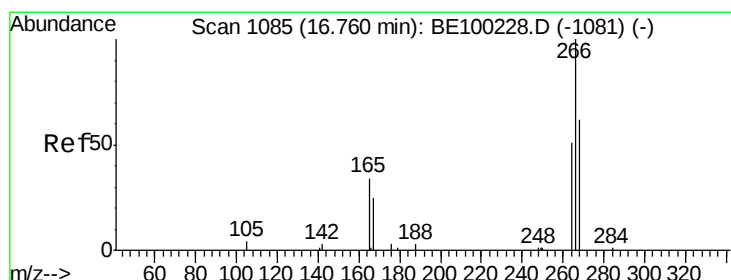
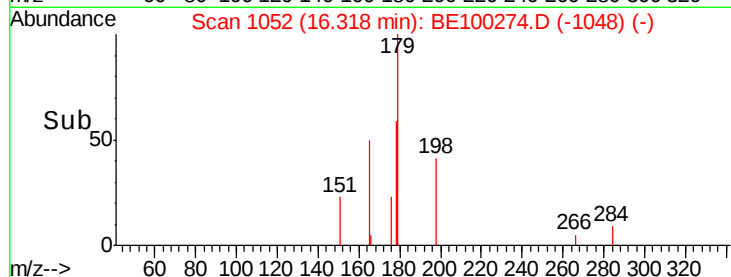
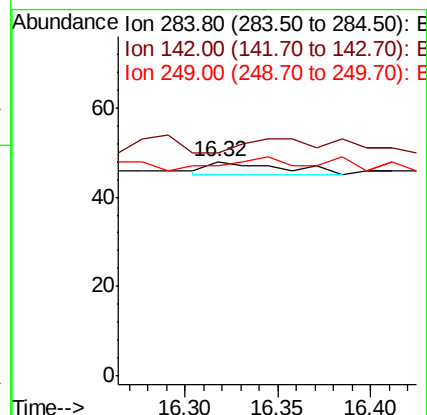
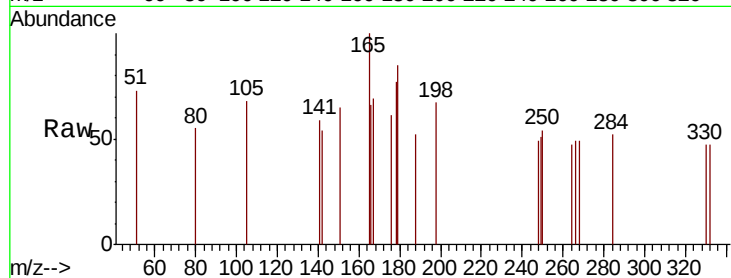
Tgt Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 0.0 18.8 28.2#

249 0.0 23.7 35.5#



#22

Pentachlorophenol

Concen: 0.016 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

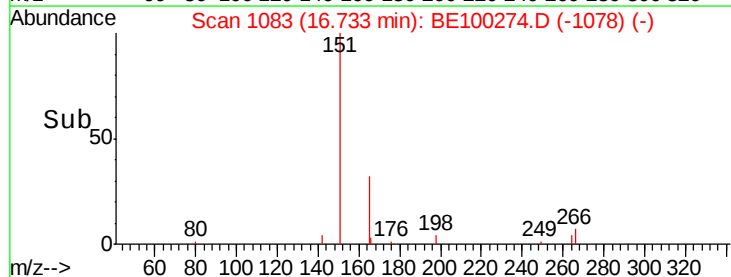
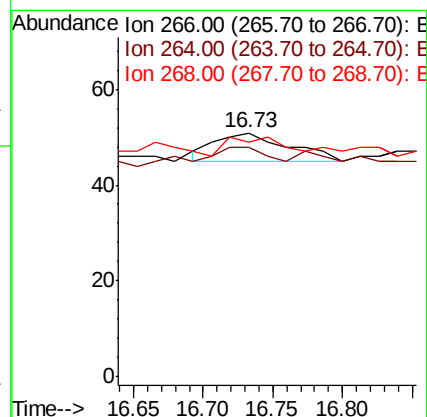
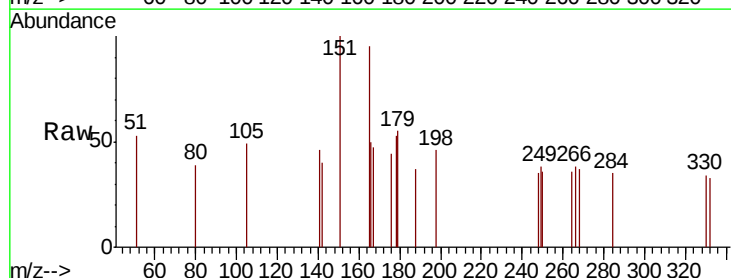
Tgt Ion:266 Resp: 22

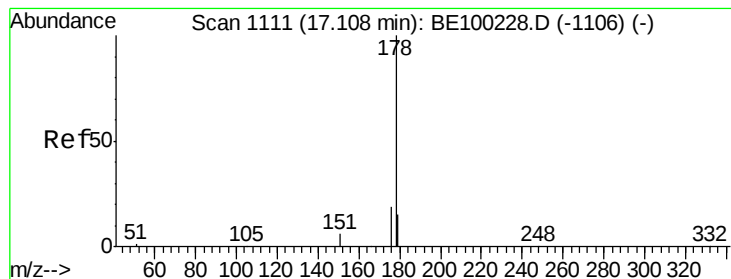
Ion Ratio Lower Upper

266 100

264 94.1 56.2 84.2#

268 96.1 61.8 92.6#





#23

Phenanthrene

Concen: 1.732 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

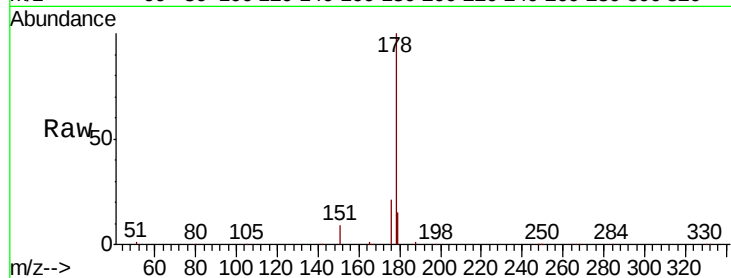
Tgt Ion:178 Resp: 28126

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

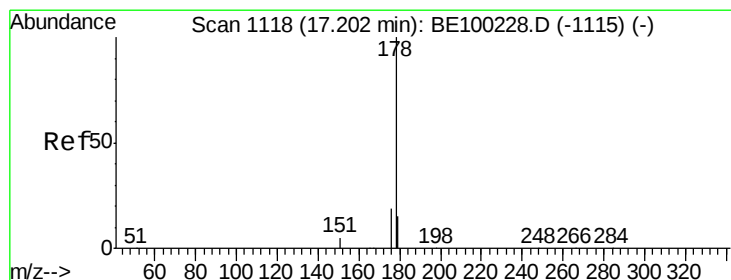
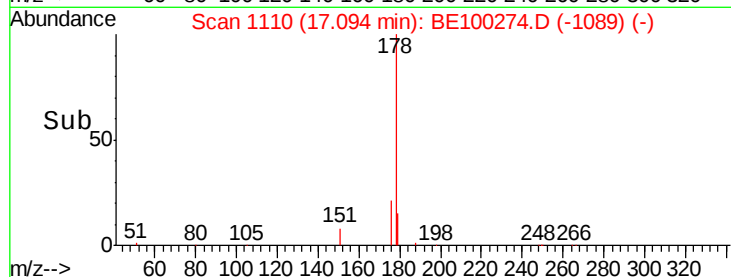
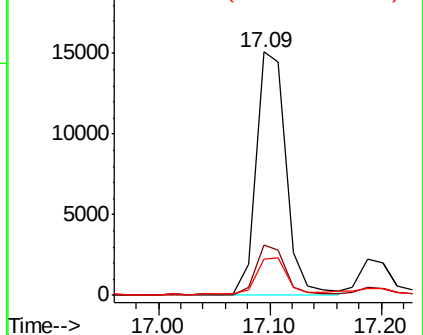
179 15.5 12.2 18.2



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: 0.280 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

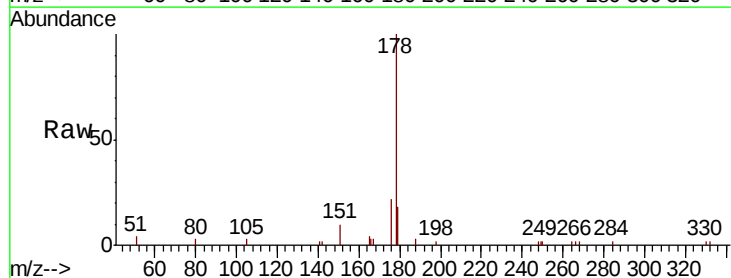
Tgt Ion:178 Resp: 4101

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

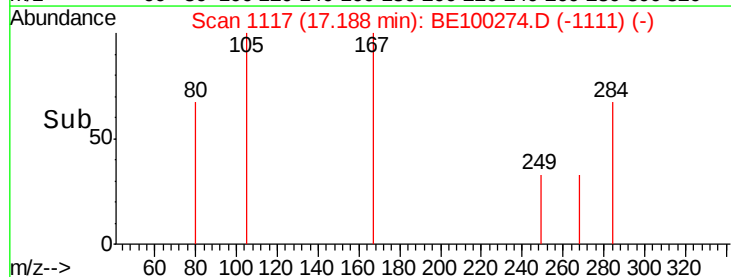
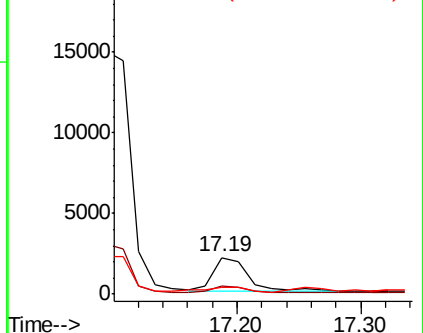
179 14.8 12.2 18.2

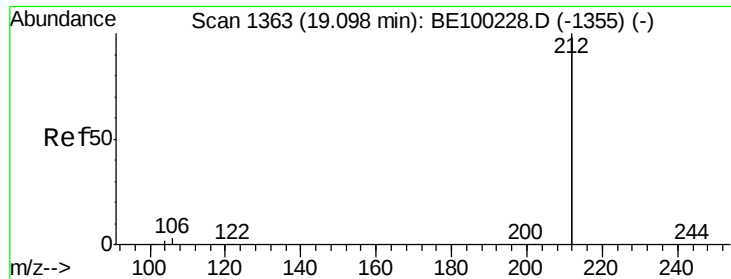


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.030 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

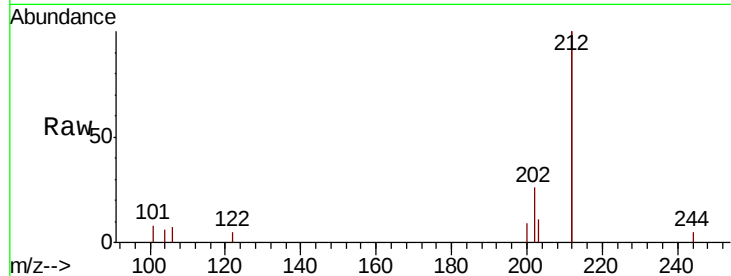
Instrument :

BNA_M

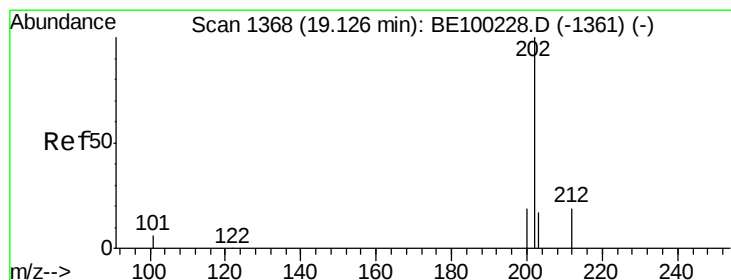
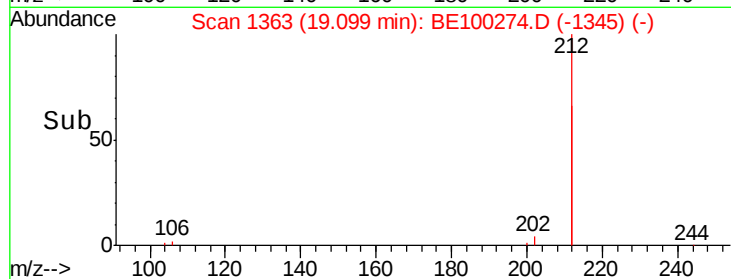
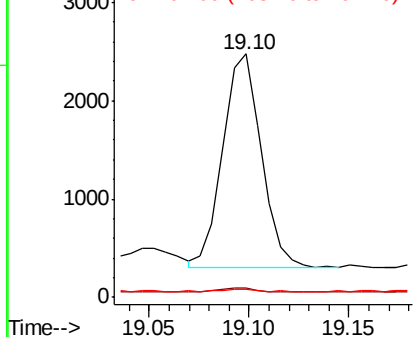
ClientSampleId :

EXT-013-SW164-061319DL

Tgt Ion:	212	Resp:	2913
Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.2	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: 2.478 ng

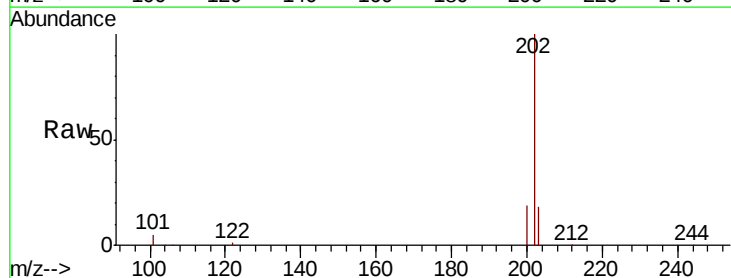
RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

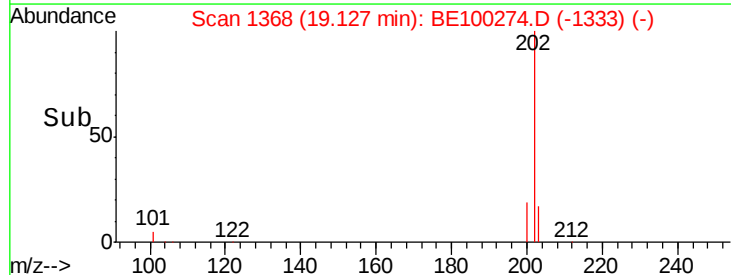
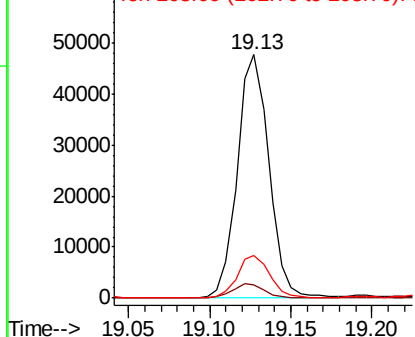
Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:	202	Resp:	64078
Ion	Ratio	Lower	Upper
202	100		
101	5.7	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: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

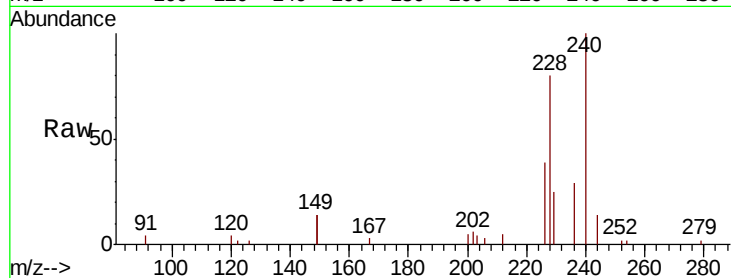
Tgt Ion:240 Resp: 8671

Ion Ratio Lower Upper

240 100

120 4.3 3.3 4.9

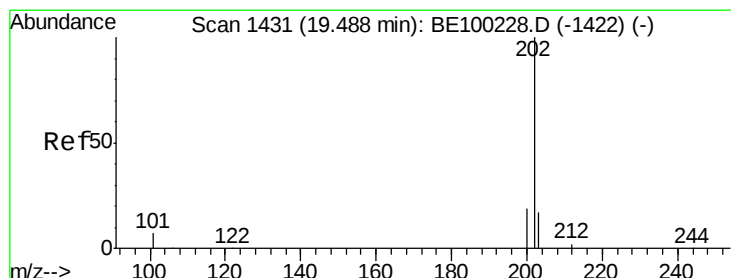
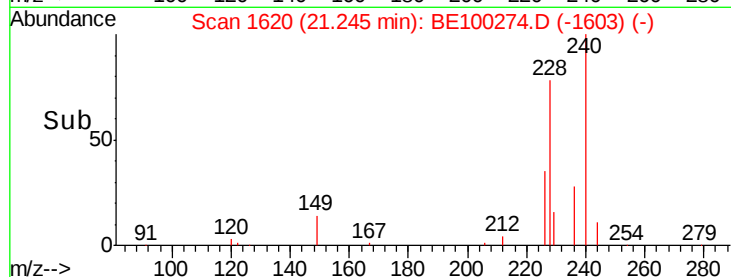
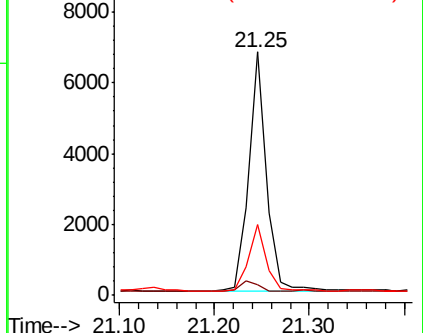
236 29.0 22.6 34.0



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: 2.872 ng

RT: 19.49 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

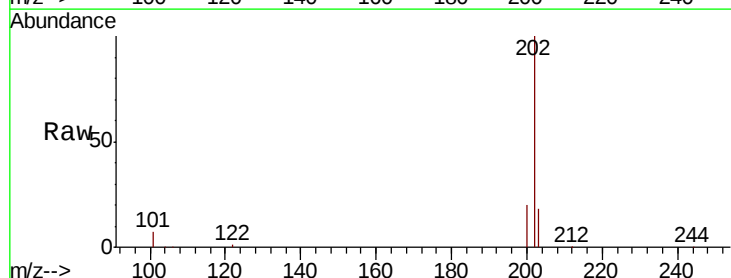
Tgt Ion:202 Resp: 65922

Ion Ratio Lower Upper

202 100

200 19.7 15.6 23.4

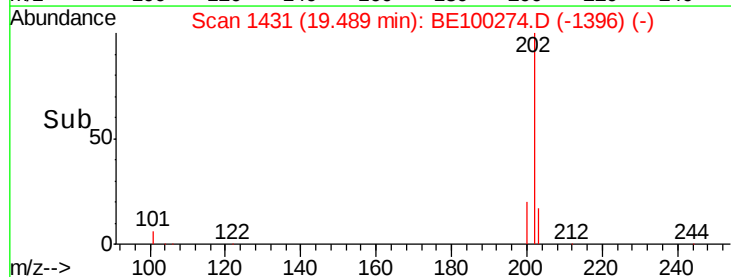
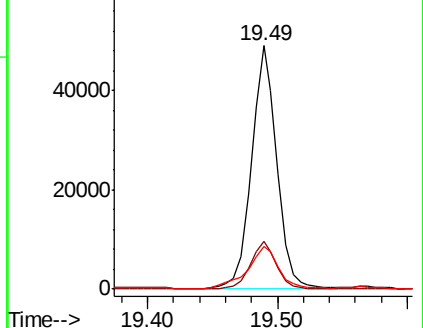
203 20.9 14.0 21.0



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: 0.080 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

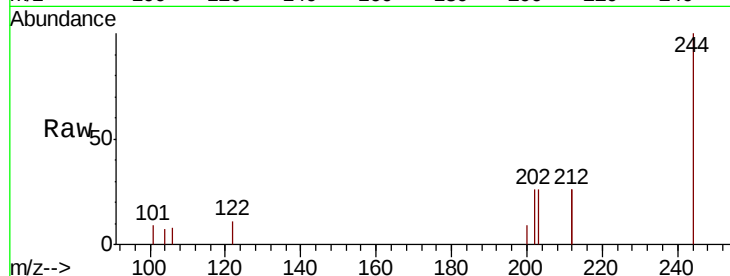
Tgt Ion:244 Resp: 1445

Ion Ratio Lower Upper

244 100

212 52.5 27.3 40.9#

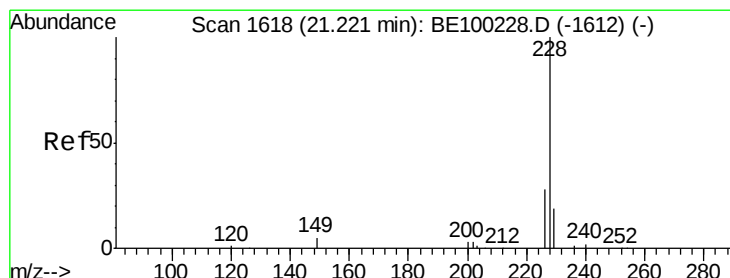
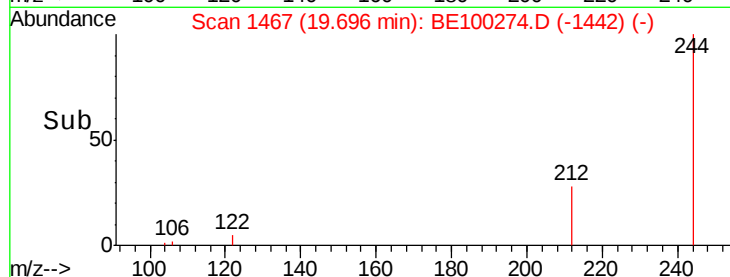
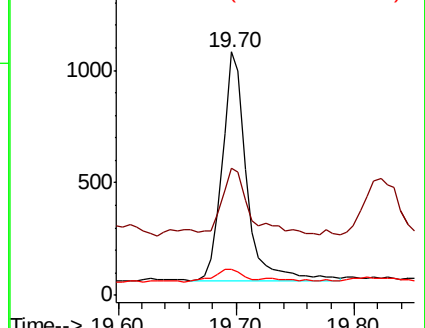
122 10.8 4.7 7.1#



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: 1.370 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

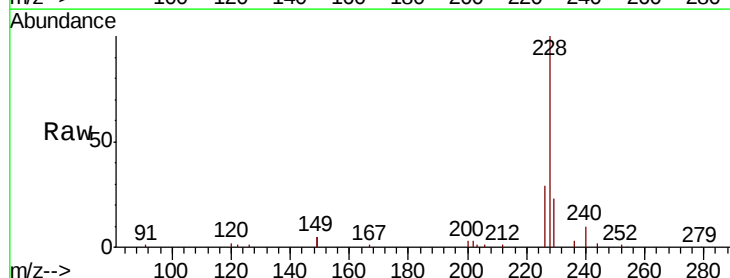
Tgt Ion:228 Resp: 39048

Ion Ratio Lower Upper

228 100

226 28.8 23.2 34.8

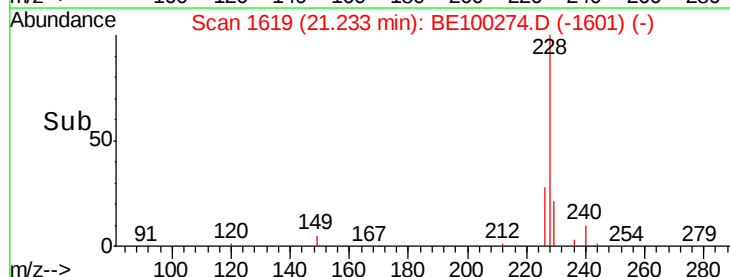
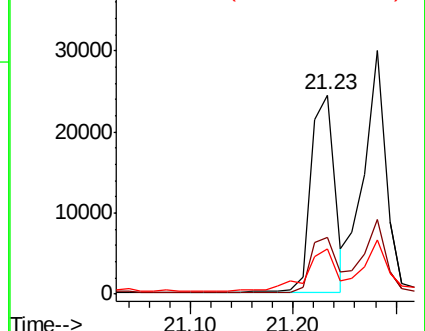
229 22.6 15.7 23.5



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: 1.550 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

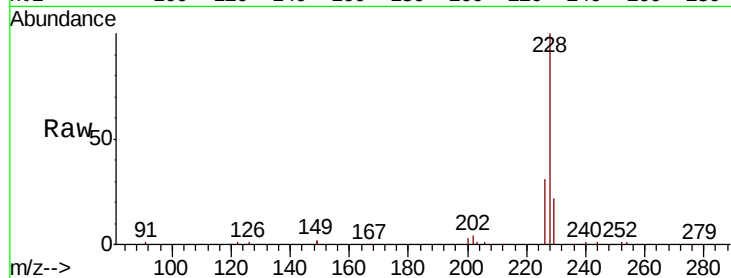
Tgt Ion:228 Resp: 44370

Ion Ratio Lower Upper

228 100

226 30.9 23.9 35.9

229 22.2 16.5 24.7

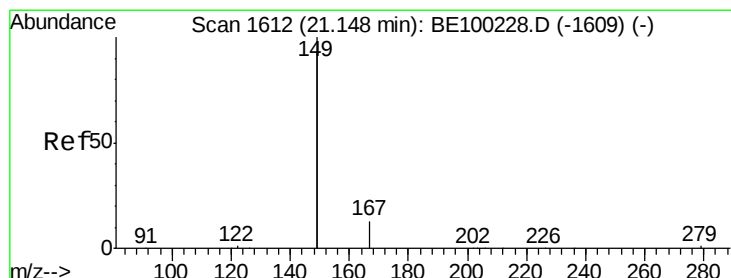
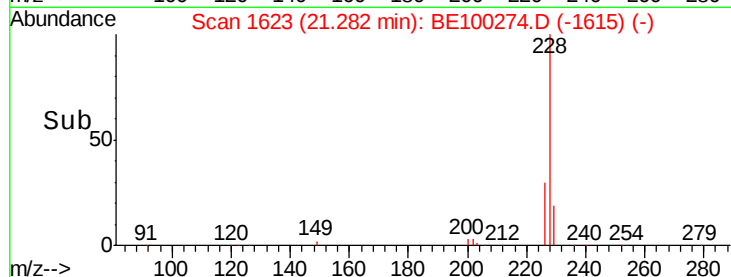
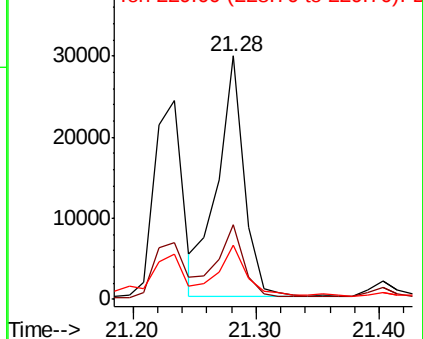


Abundance

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: 0.558 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

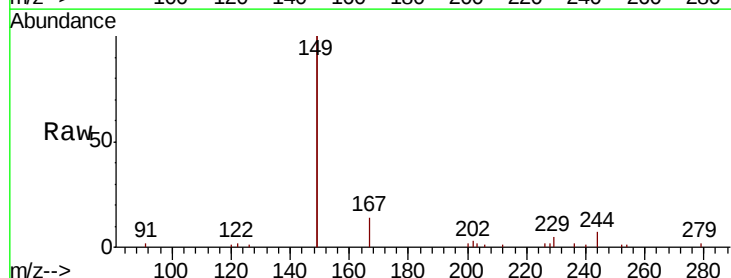
Tgt Ion:149 Resp: 24808

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.8

279 1.4 1.1 1.7

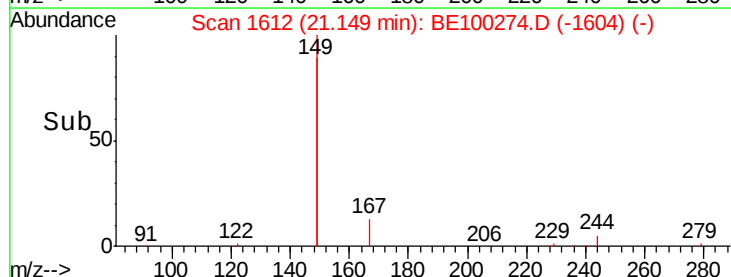
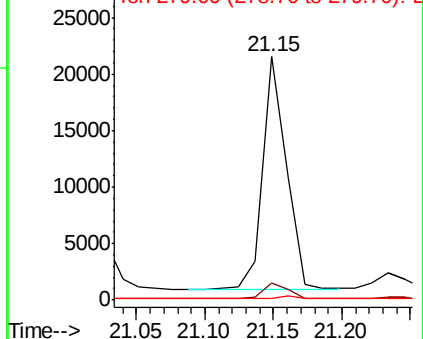


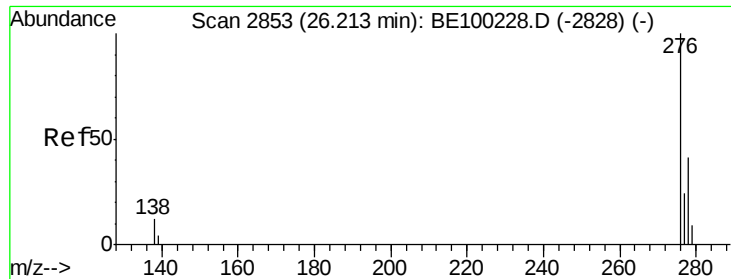
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.732 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

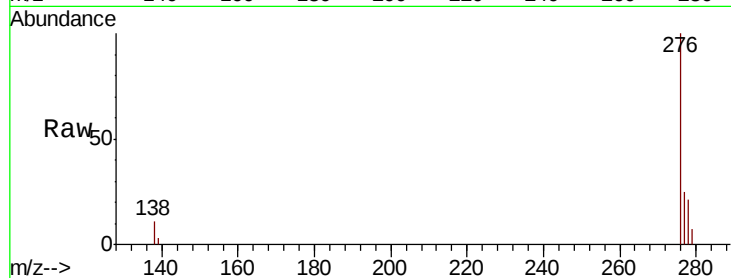
Tgt Ion:276 Resp: 27705

Ion Ratio Lower Upper

276 100

138 9.5 9.4 14.0

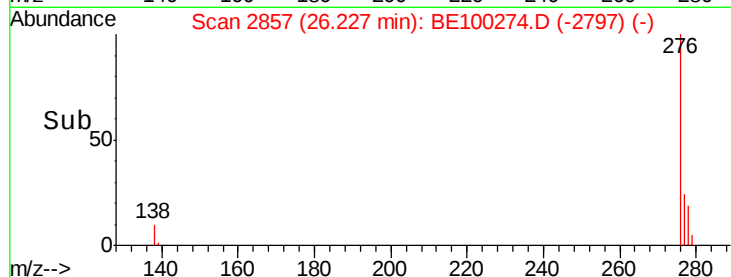
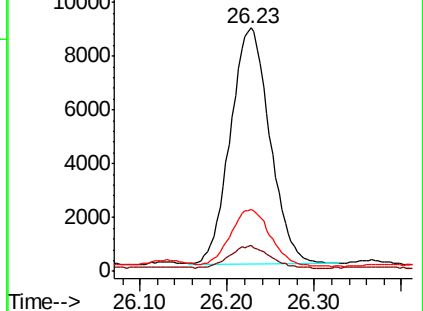
277 24.7 19.2 28.8



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: 23.67 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

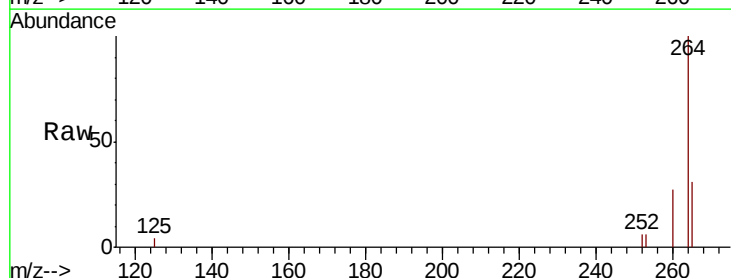
Tgt Ion:264 Resp: 9914

Ion Ratio Lower Upper

264 100

260 26.9 20.8 31.2

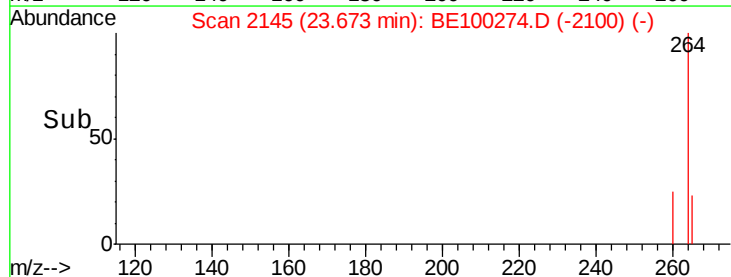
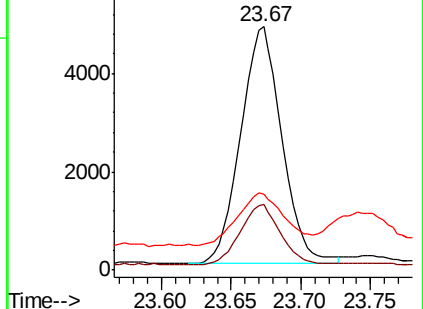
265 31.0 21.8 32.6



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: 1.877 ng

RT: 22.93 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

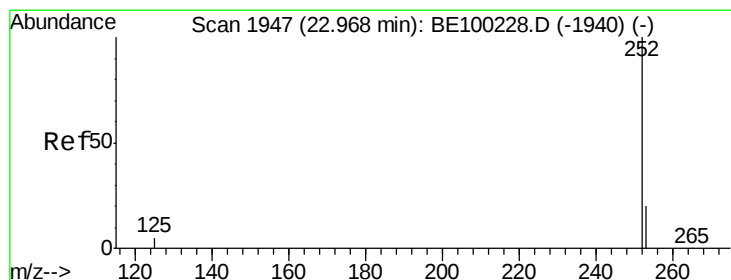
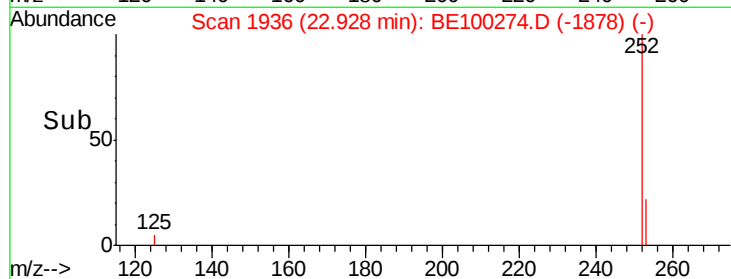
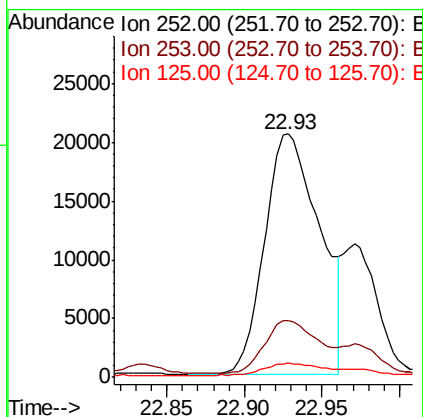
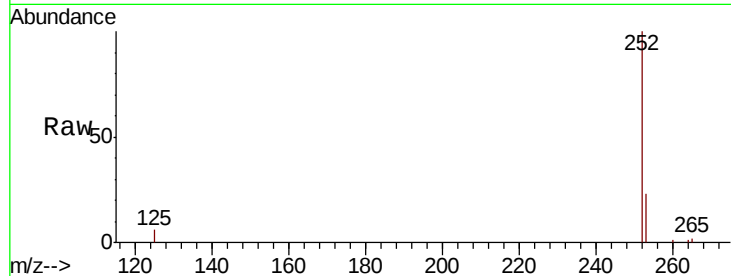
BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

Tgt Ion:252 Resp: 50448

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	5.9	7.4	11.0



#36

Benzo(k)fluoranthene

Concen: 1.681 ng

RT: 22.93 min Scan# 1936

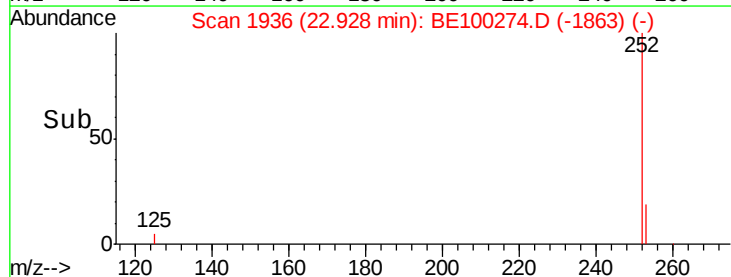
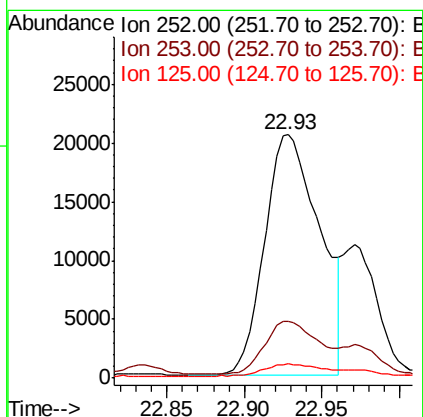
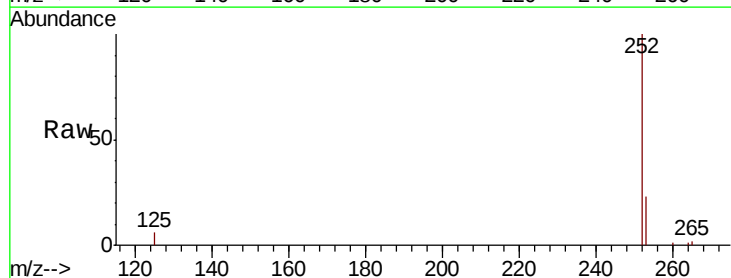
Delta R.T. -0.04 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Tgt Ion:252 Resp: 50448

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	5.9	5.0	7.4





#37

Benzo(a)pyrene

Concen: 0.308 ng

RT: 23.72 min Scan# 2159

Delta R.T. 0.17 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL

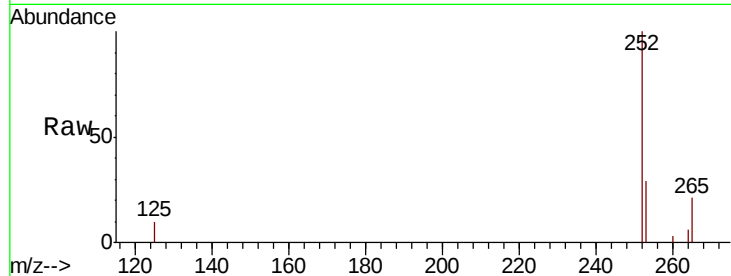
Tgt Ion: 252 Resp: 8298

Ion Ratio Lower Upper

252 100

253 28.9 19.6 29.4

125 10.5 9.0 13.6

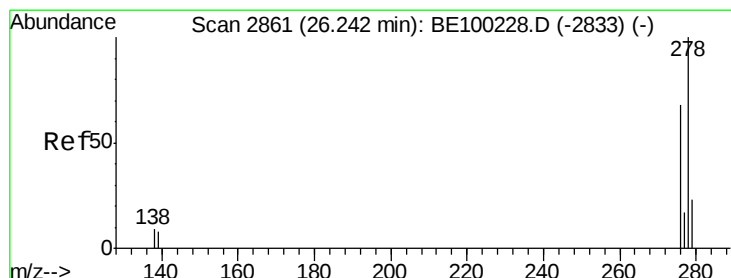
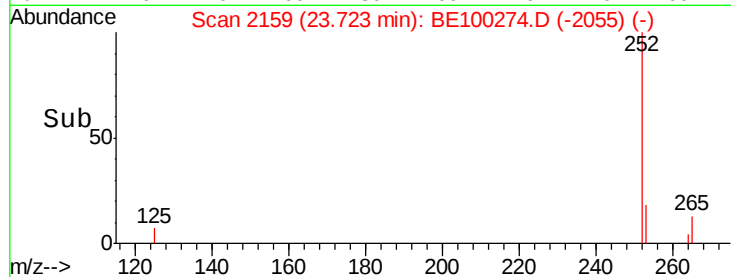
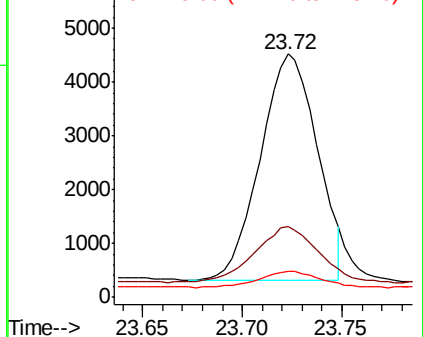


Abundance

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



#38

Dibenzo(a,h)anthracene

Concen: 0.257 ng

RT: 26.24 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BE100274.D

Acq: 1 Jul 2019 20:19

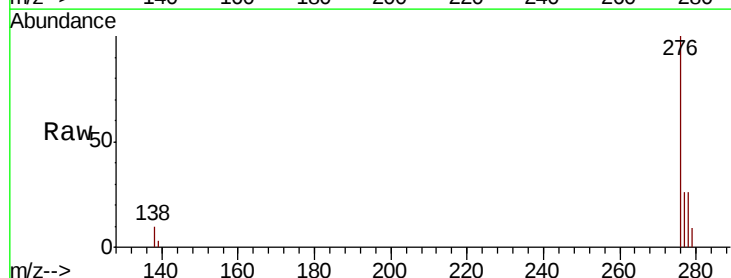
Tgt Ion: 278 Resp: 7227

Ion Ratio Lower Upper

278 100

139 13.1 8.2 12.2#

279 33.5 20.3 30.5#

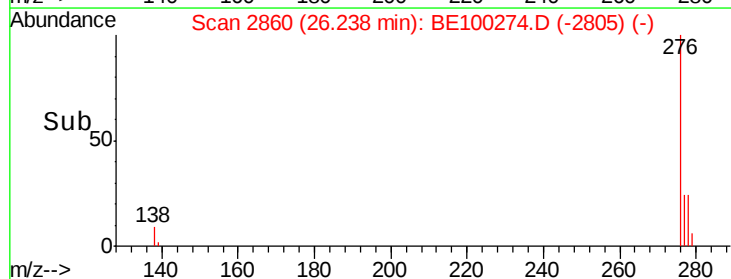
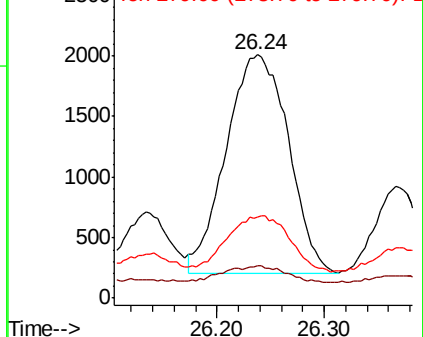


Abundance

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: 1.008 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BE100274.D

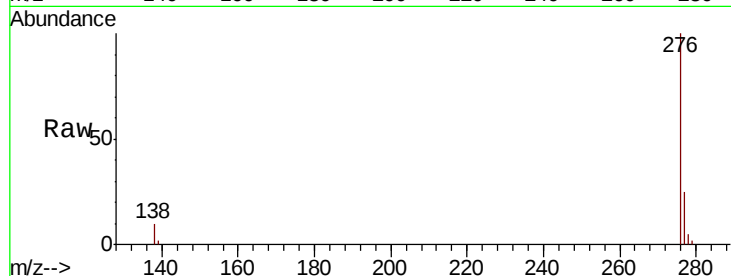
Acq: 1 Jul 2019 20:19

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW164-061319DL



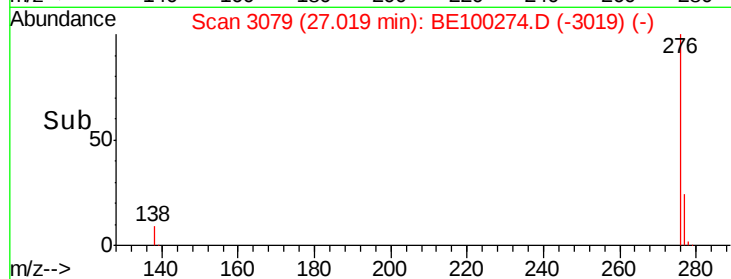
Tgt Ion: 276 Resp: 29126

Ion Ratio Lower Upper

276 100

277 25.1 20.2 30.2

138 10.3 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

