

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070119\
 Data File : BE100263.D
 Acq On : 1 Jul 2019 13:42
 Operator : JU/SJ
 Sample : K3428-10DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXT-013-SW166-061319DL

Quant Time: Jul 02 02:19:24 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	732	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	2625	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2243	0.40	ng	0.01
19) Phenanthrene-d10	17.05	188	6663	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8593	0.40	ng	0.00
34) Perylene-d12	23.67	264	10108	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	37	0.02	ng	0.00
5) Phenol-d6	6.86	99	28	0.01	ng	0.02
8) Nitrobenzene-d5	8.82	82	31	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	98	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	29	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	136	0.02	ng	0.00
25) Fluoranthene-d10	19.10	212	1481	0.02	ng	0.00
29) Terphenyl-d14	19.70	244	1713	0.10	ng	0.00

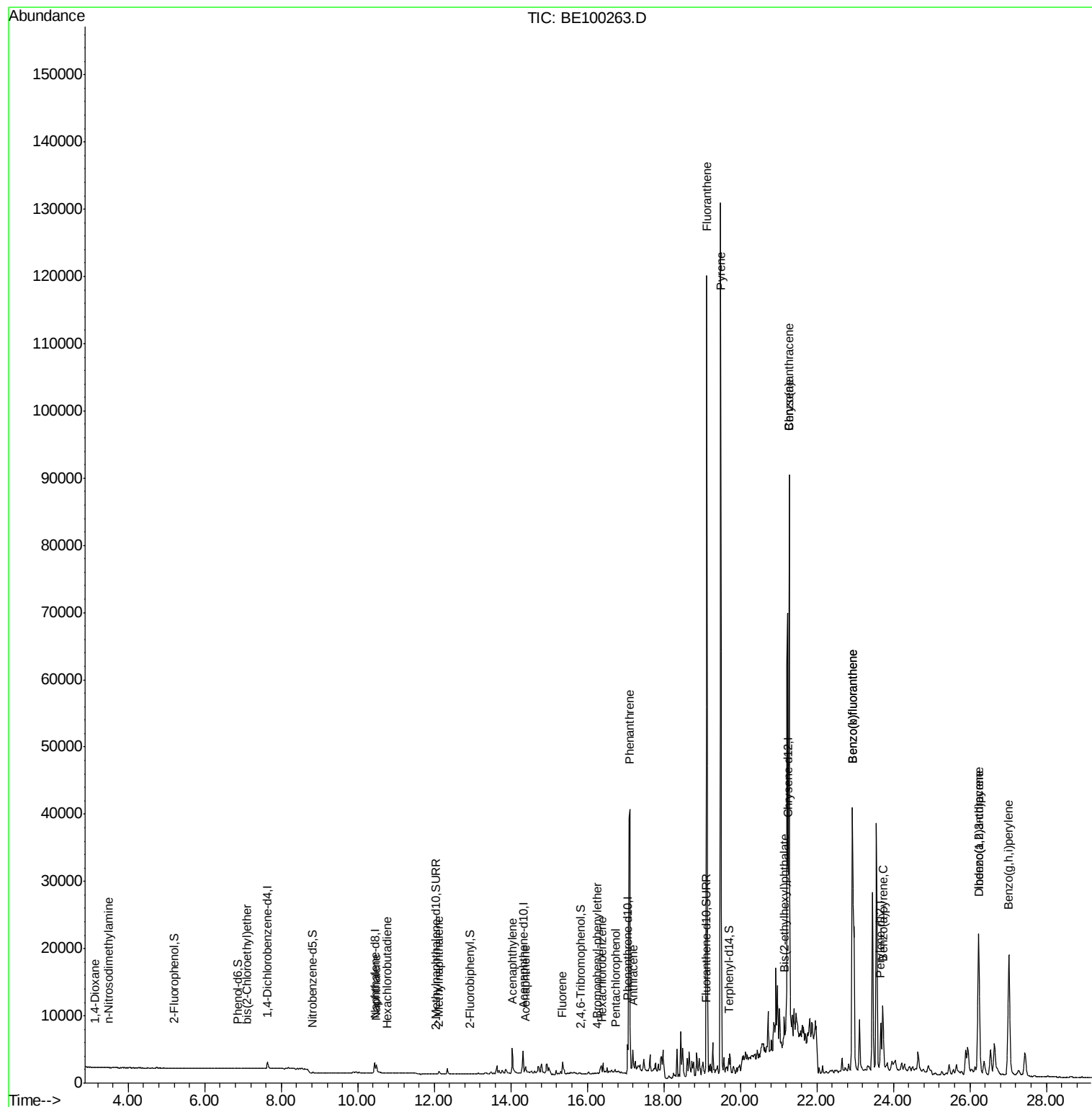
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	12	0.011	ng	# 79
3) n-Nitrosodimethylamine	3.48	42	26	0.049	ng	# 12
6) bis(2-Chloroethyl)ether	7.11	93	6	0.003	ng	# 80
9) Naphthalene	10.48	128	2407	0.083	ng	# 91
10) Hexachlorobutadiene	10.76	225	9	0.003	ng	# 13
12) 2-Methylnaphthalene	12.12	142	415	0.082	ng	# 88
16) Acenaphthylene	14.04	152	5711	0.531	ng	100
17) Acenaphthene	14.38	154	534	0.088	ng	94
18) Fluorene	15.35	166	1924	0.213	ng	# 97
20) 4-Bromophenyl-phenylether	16.26	248	38	0.009	ng	# 63
21) Hexachlorobenzene	16.37	284	37	0.008	ng	# 69
22) Pentachlorophenol	16.73	266	16	0.012	ng	# 74
23) Phenanthrene	17.11	178	51043	3.161	ng	100
24) Anthracene	17.20	178	4502	0.310	ng	# 96
26) Fluoranthene	19.13	202	109552	4.259	ng	99
28) Pyrene	19.49	202	124621	5.478	ng	98
30) Benzo(a)anthracene	21.28	228	76703	2.715	ng	96
31) Chrysene	21.28	228	76068	2.681	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	3149	0.021	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	41473	1.105	ng	97
35) Benzo(b)fluoranthene	22.93	252	76407	2.788	ng	# 96
36) Benzo(k)fluoranthene	22.93	252	76407	2.498	ng	98
37) Benzo(a)pyrene	23.72	252	13150	0.479	ng	95
38) Dibenzo(a,h)anthracene	26.24	278	10285	0.359	ng	# 88
39) Benzo(g,h,i)perylene	27.02	276	45379	1.540	ng	98

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

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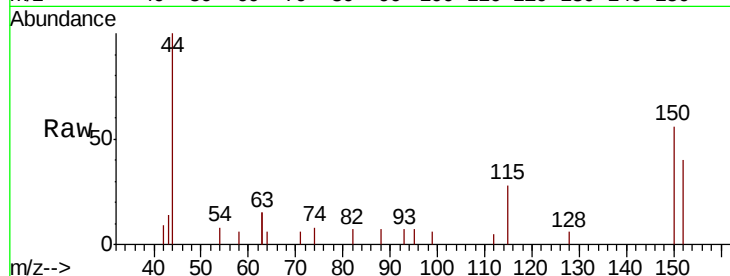


#1

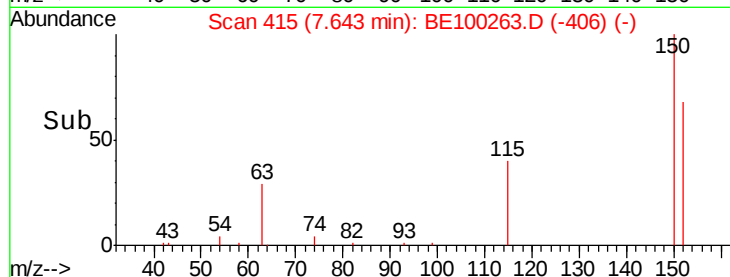
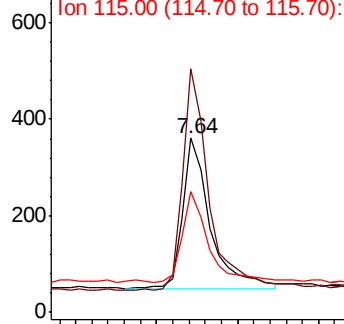
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW166-061319DL

Tgt Ion: 152 Resp: 732
Ion Ratio Lower Upper
152 100
150 139.6 114.5 171.7
115 69.3 57.1 85.7



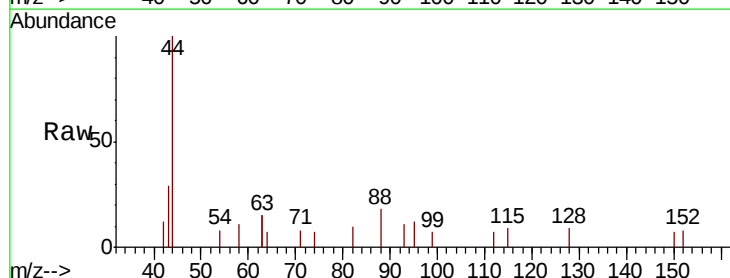
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



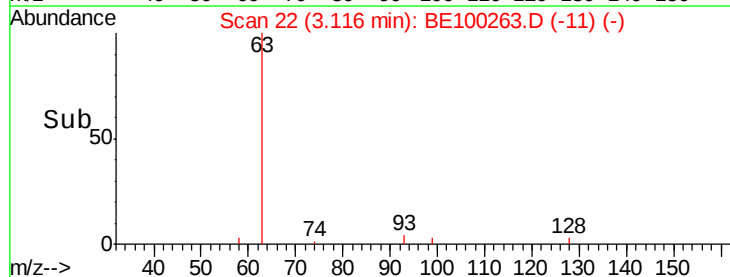
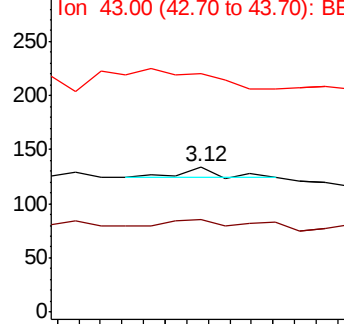
#2

1,4-Dioxane
Concen: 0.011 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.02 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Tgt Ion: 88 Resp: 12
Ion Ratio Lower Upper
88 100
58 58.3 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: 0.049 ng

RT: 3.48 min Scan# 54

Delta R.T. 0.02 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

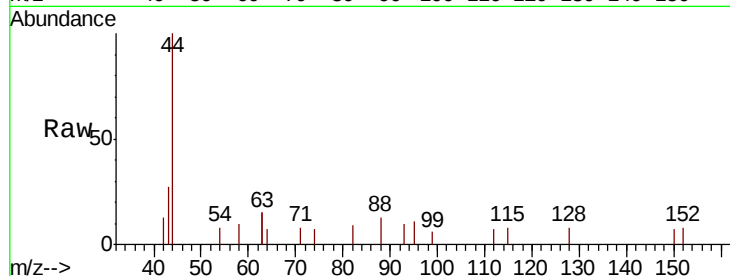
Tgt Ion: 42 Resp: 26

Ion Ratio Lower Upper

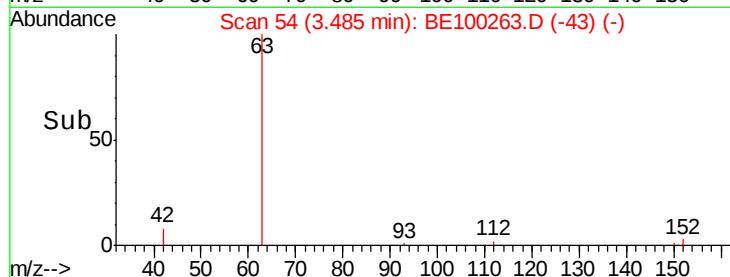
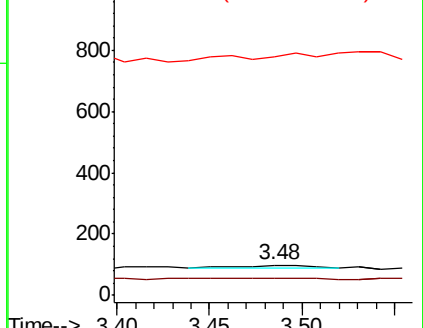
42 100

74 38.5 130.6 196.0#

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: 0.020 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

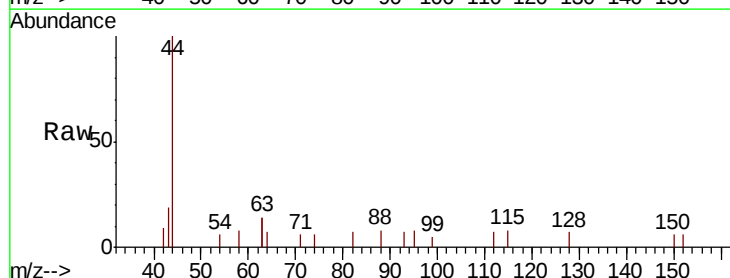
Tgt Ion: 112 Resp: 37

Ion Ratio Lower Upper

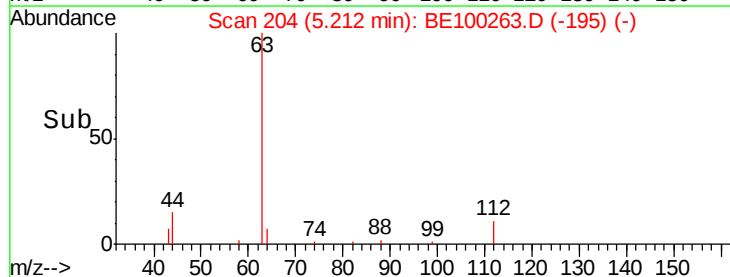
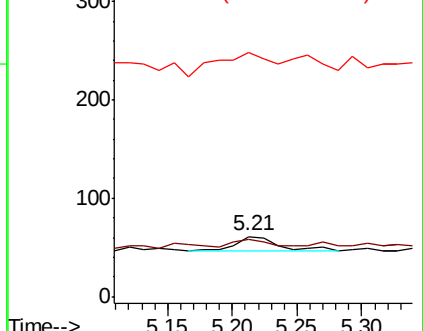
112 100

64 56.8 39.4 59.0

63 186.5 104.5 156.7#



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: 0.011 ng

RT: 6.86 min Scan# 347

Delta R.T. 0.02 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

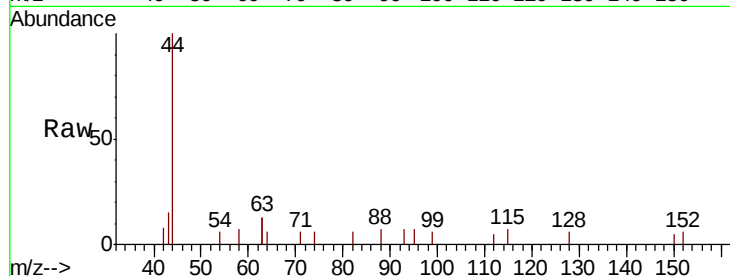
Tgt Ion: 99 Resp: 28

Ion Ratio Lower Upper

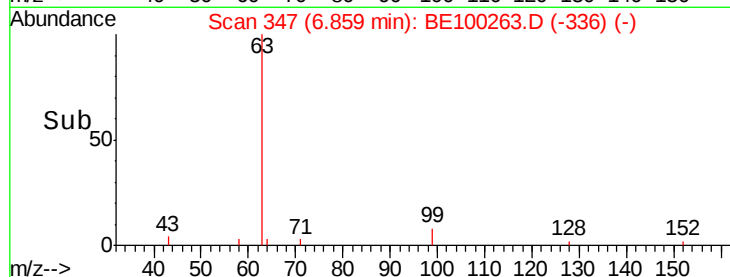
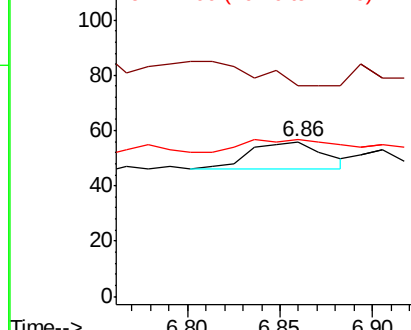
99 100

42 0.0 11.2 16.8#

71 0.0 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: 7.11 min Scan# 369

Delta R.T. 0.02 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

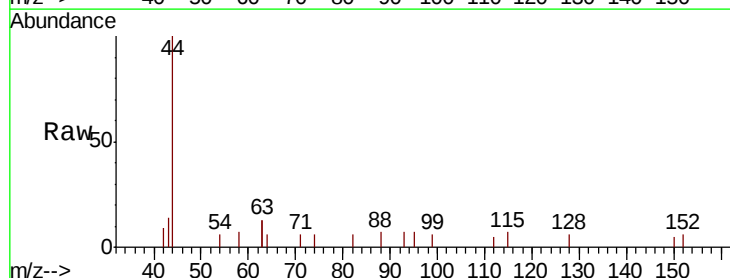
Tgt Ion: 93 Resp: 6

Ion Ratio Lower Upper

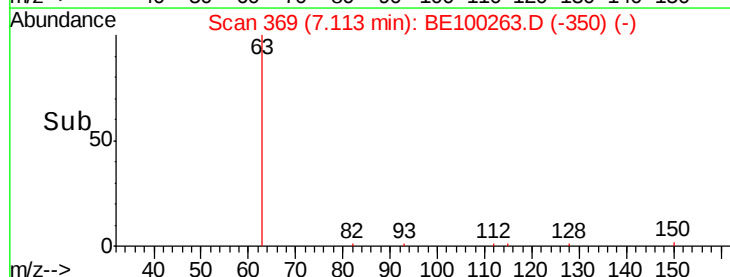
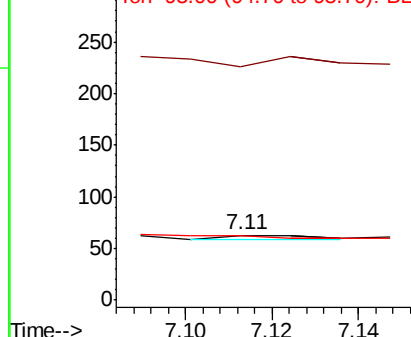
93 100

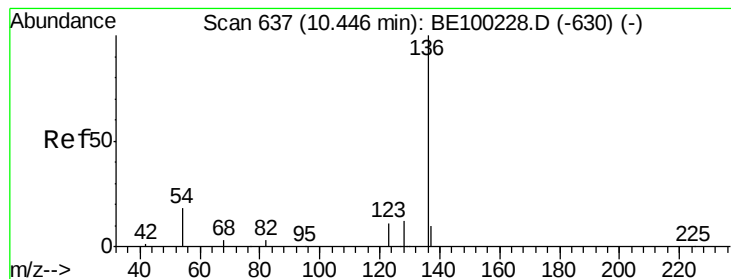
63 216.7 155.6 233.4

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: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

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EXT-013-SW166-061319DL

Tgt Ion: 136 Resp: 2625

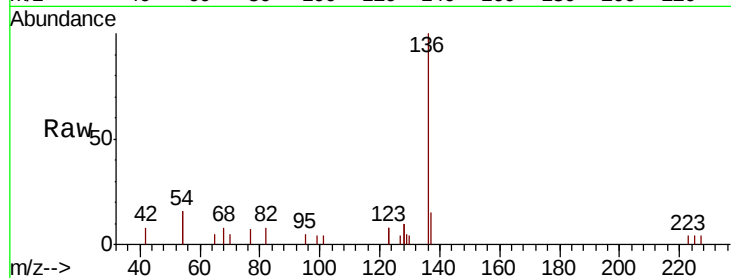
Ion Ratio Lower Upper

136 100

137 15.2 11.8 17.8

54 32.2 27.7 41.5

68 7.9 6.8 10.2

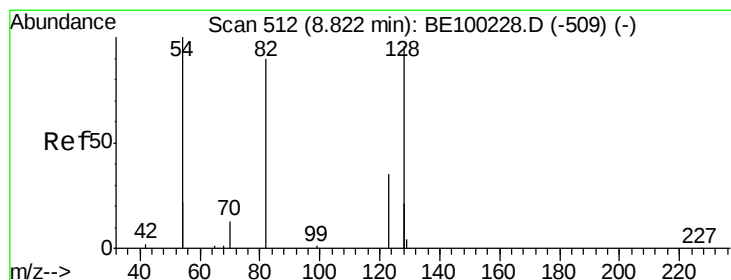
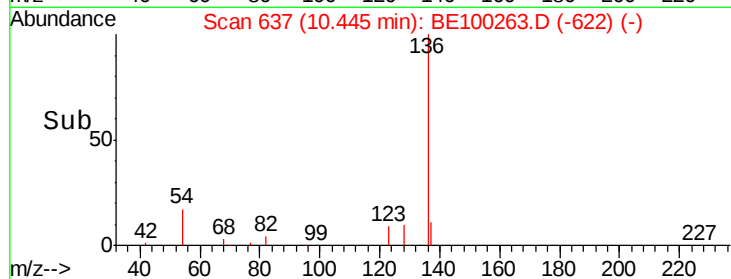
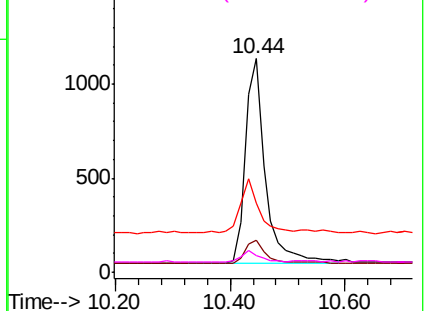


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.012 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

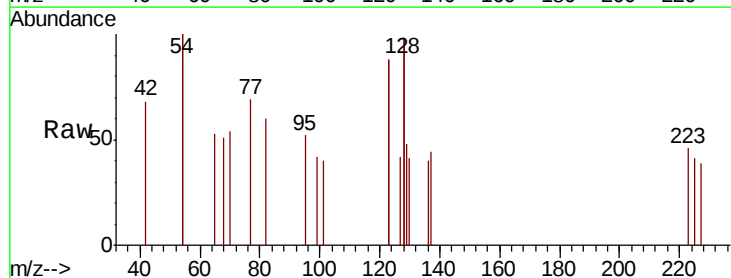
Tgt Ion: 82 Resp: 31

Ion Ratio Lower Upper

82 100

128 329.4 140.9 211.3#

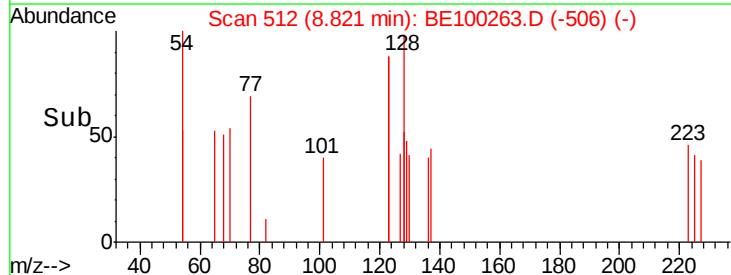
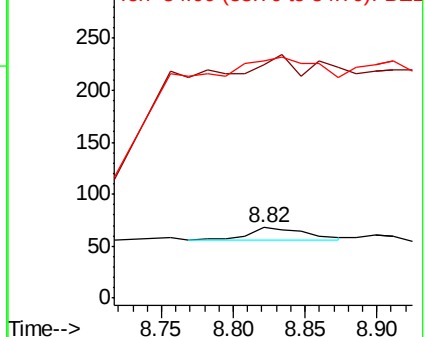
54 335.3 146.2 219.2#



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: 0.083 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

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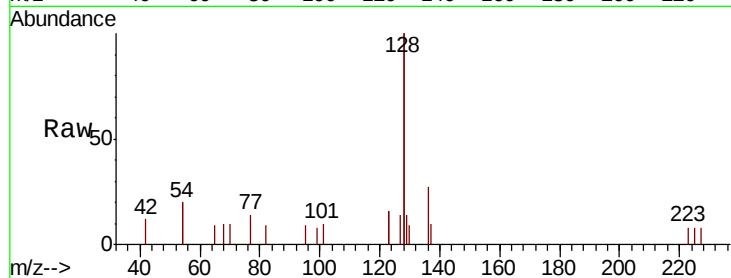
Tgt Ion:128 Resp: 2407

Ion Ratio Lower Upper

128 100

129 7.1 3.0 4.6#

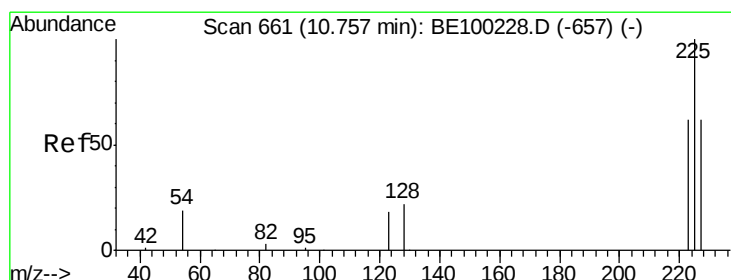
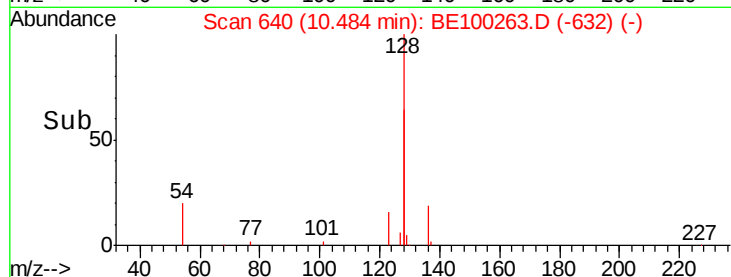
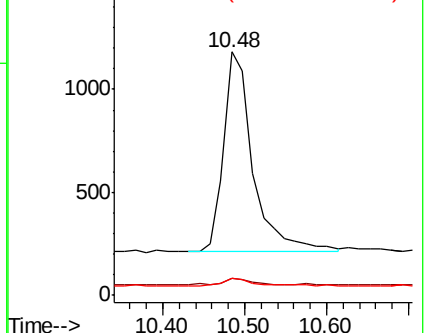
127 7.0 3.5 5.3#



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



#10

Hexachlorobutadiene

Concen: 0.003 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

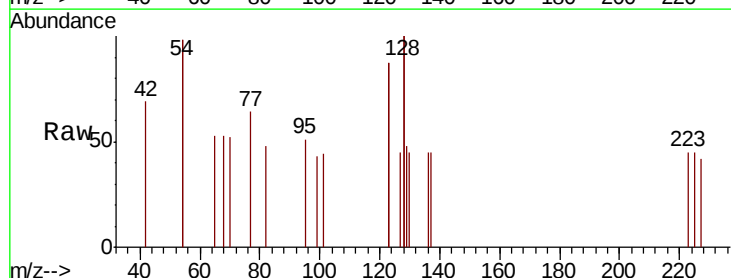
Tgt Ion:225 Resp: 9

Ion Ratio Lower Upper

225 100

223 133.3 49.1 73.7#

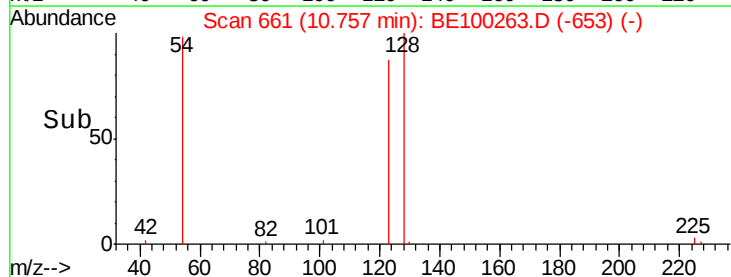
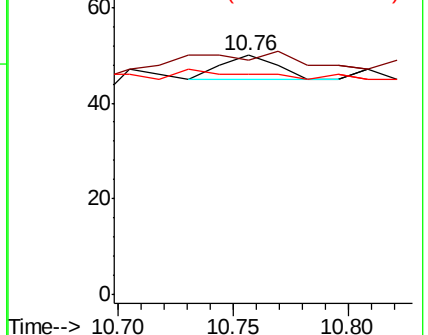
227 0.0 49.3 73.9#

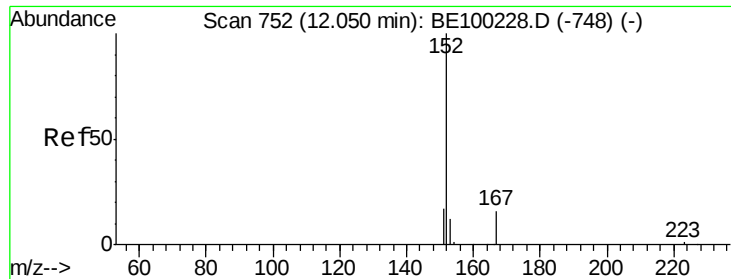


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

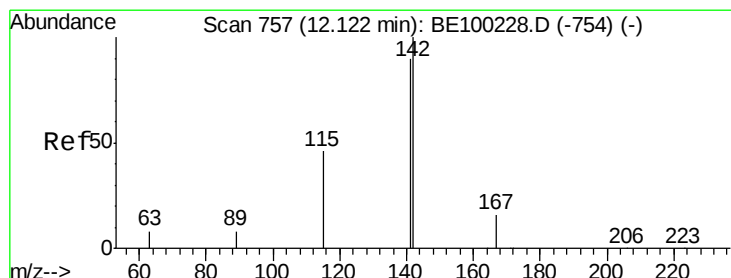
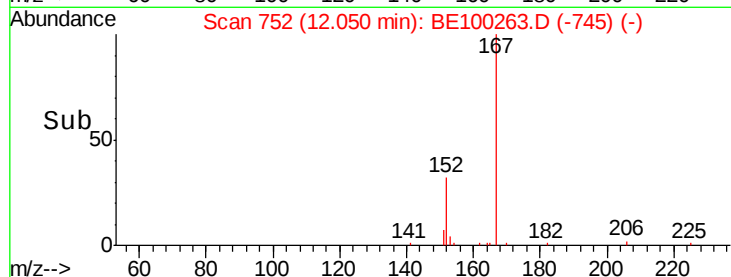
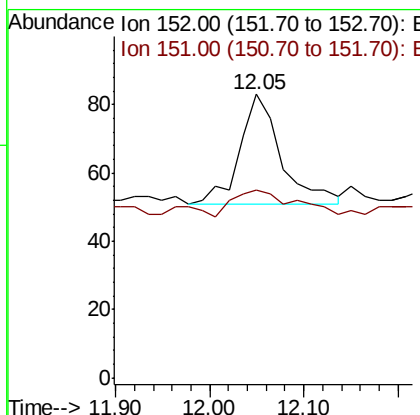
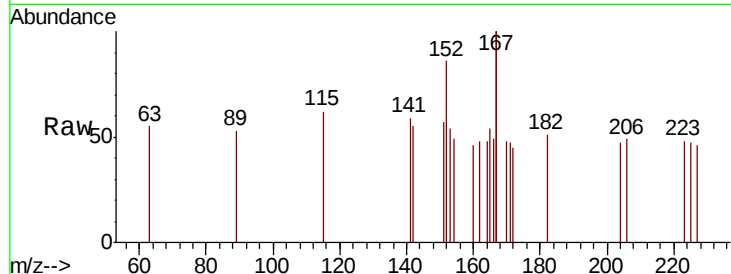




#11
2-Methylnaphthalene-d10
Concen: 0.020 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

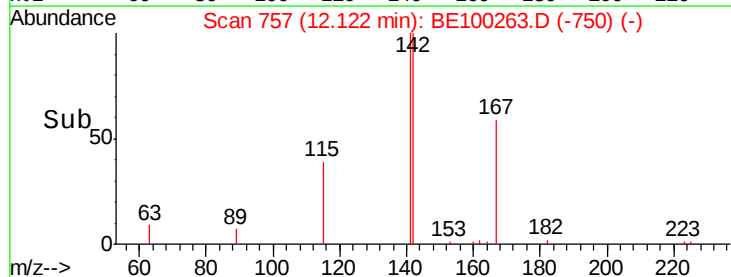
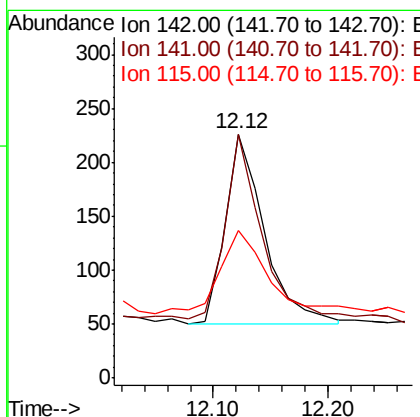
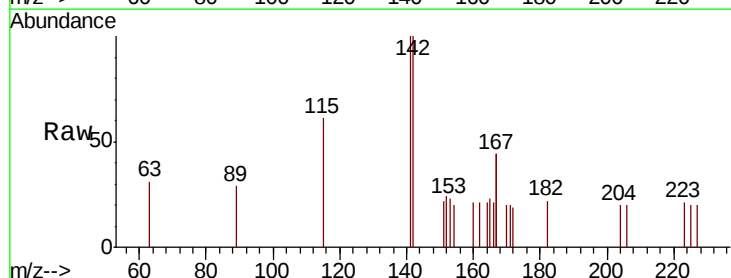
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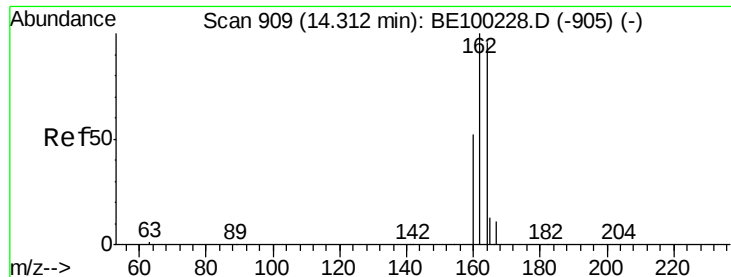
Tgt Ion:152 Resp: 98
Ion Ratio Lower Upper
152 100
151 41.8 15.1 22.7#



#12
2-Methylnaphthalene
Concen: 0.082 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Tgt Ion:142 Resp: 415
Ion Ratio Lower Upper
142 100
141 100.0 72.4 108.6
115 60.6 40.4 60.6#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 910

Delta R.T. 0.01 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

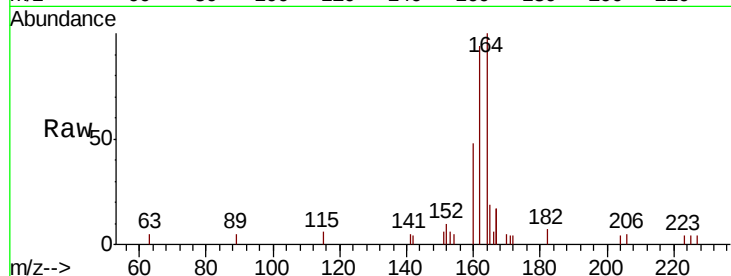
Tgt Ion:164 Resp: 2243

Ion Ratio Lower Upper

164 100

162 94.2 83.4 125.0

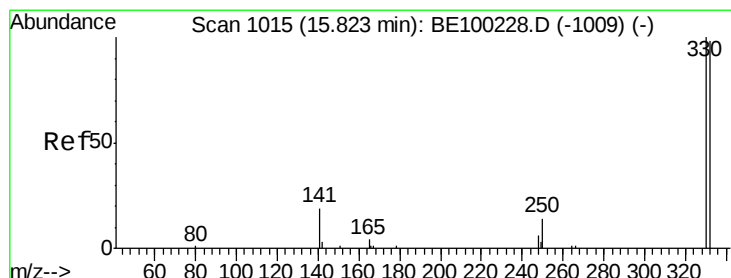
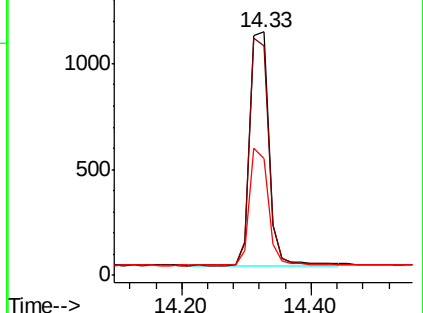
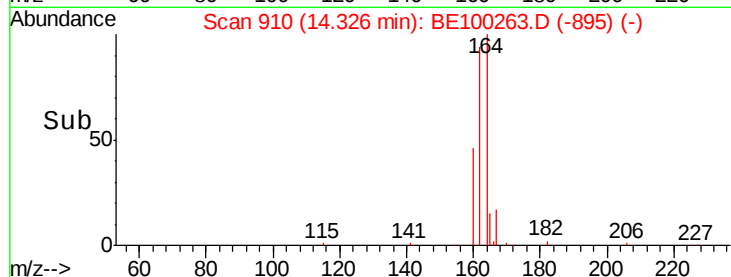
160 48.0 45.0 67.6



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: 0.018 ng

RT: 15.82 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

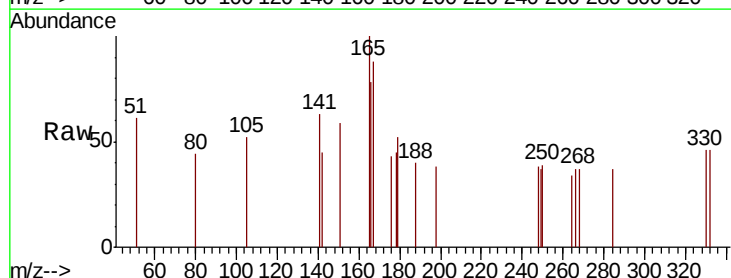
Tgt Ion:330 Resp: 29

Ion Ratio Lower Upper

330 100

332 134.5 77.0 115.4#

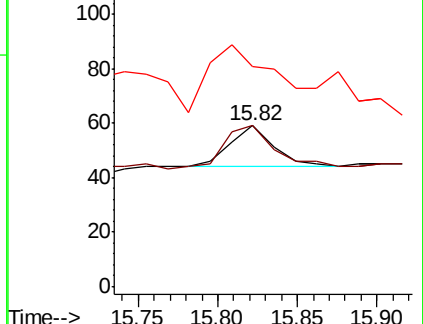
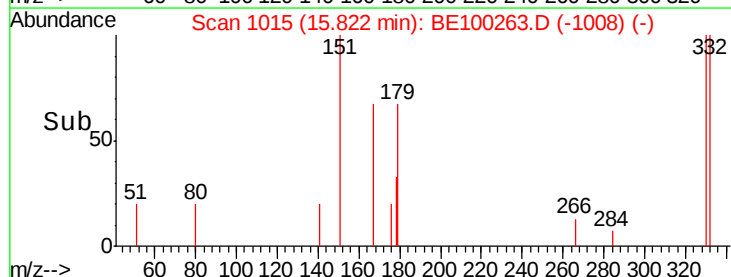
141 496.6 22.0 33.0#



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

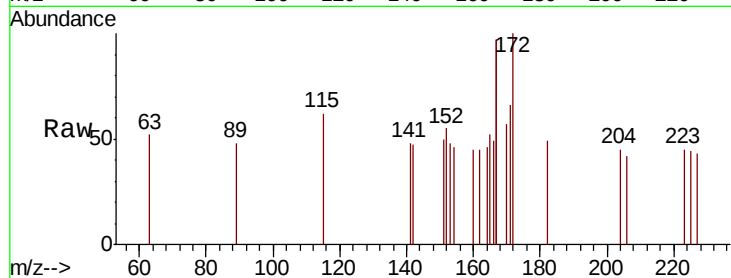




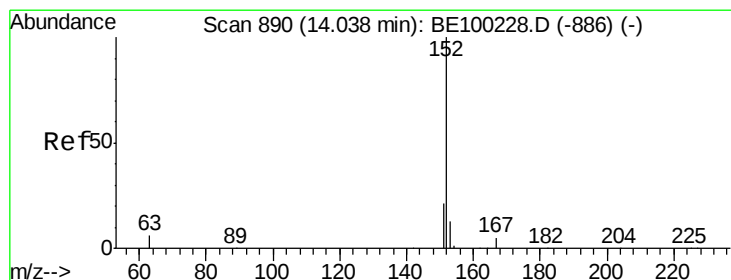
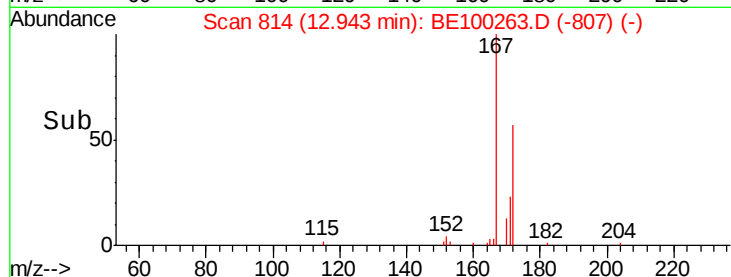
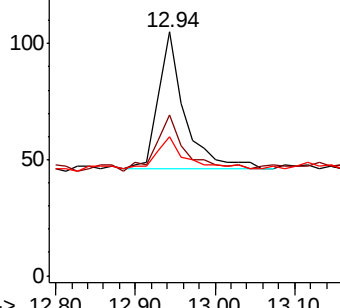
#15
2-Fluorobiphenyl
Concen: 0.016 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW166-061319DL

Tgt Ion:172 Resp: 136
Ion Ratio Lower Upper
172 100
171 65.7 31.9 47.9#
170 57.1 22.2 33.2#

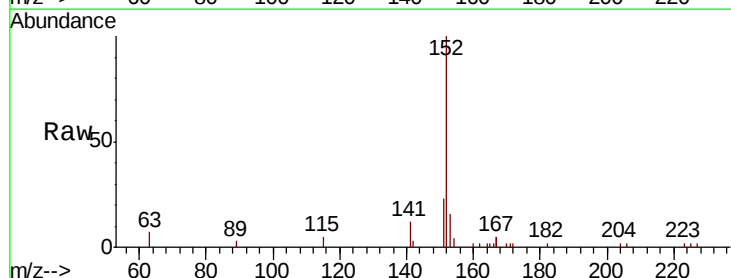


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

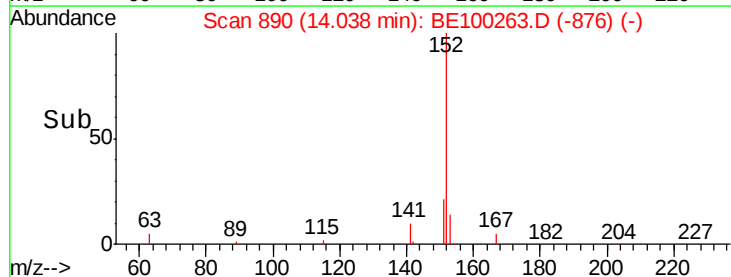
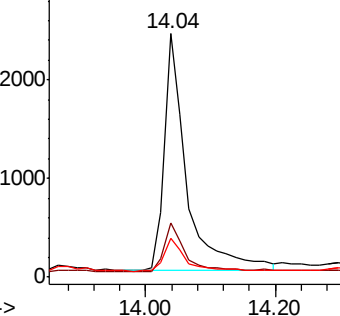


#16
Acenaphthylene
Concen: 0.531 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Tgt Ion:152 Resp: 5711
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0
153 13.1 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

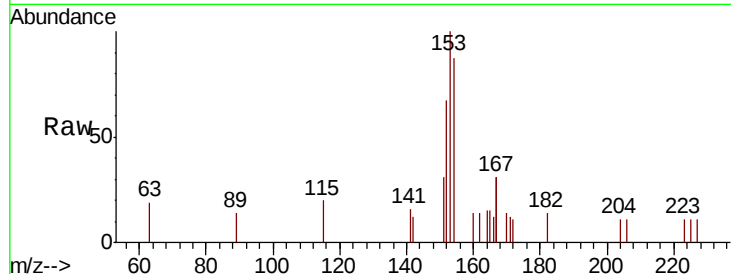




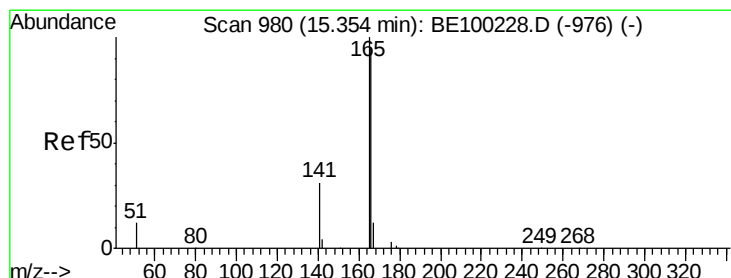
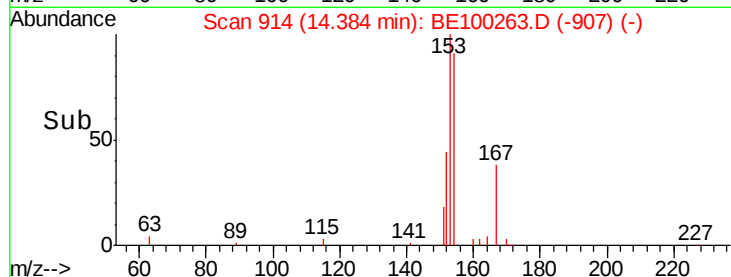
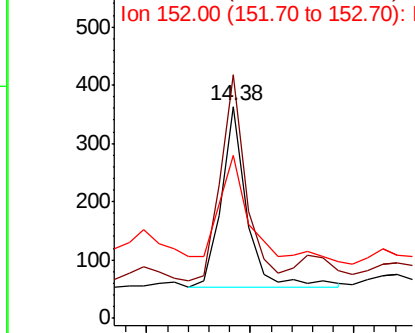
#17
Acenaphthene
Concen: 0.088 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Instrument :
BNA_M
ClientSampleId :
EXT-013-SW166-061319DL

Tgt Ion:154 Resp: 534
Ion Ratio Lower Upper
154 100
153 113.9 93.4 140.2
152 70.4 49.4 74.2

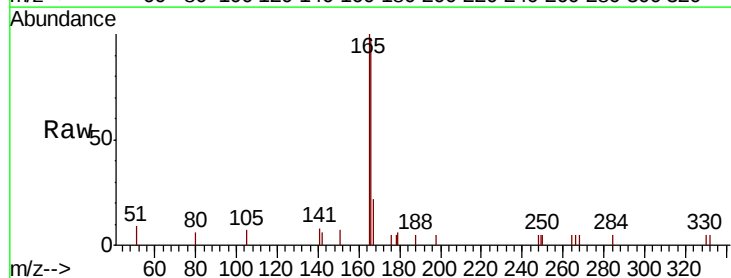


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

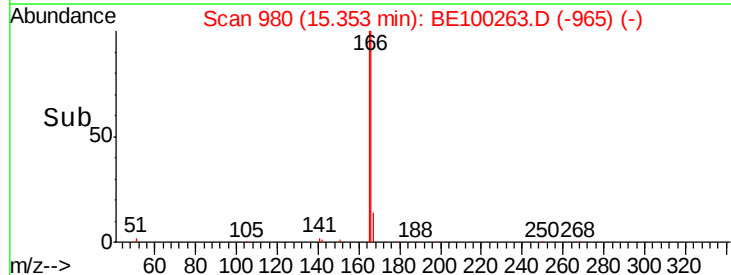
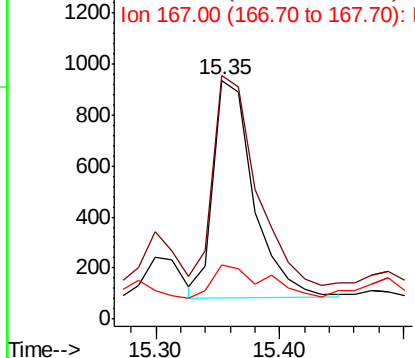


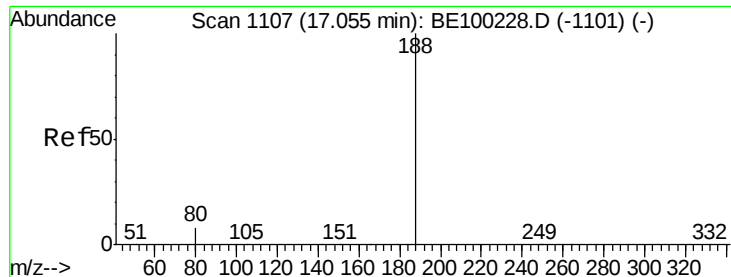
#18
Fluorene
Concen: 0.213 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Tgt Ion:166 Resp: 1924
Ion Ratio Lower Upper
166 100
165 102.4 81.1 121.7
167 19.8 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: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

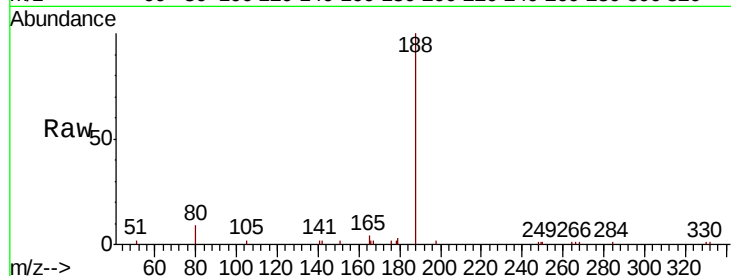
Tgt Ion:188 Resp: 6663

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

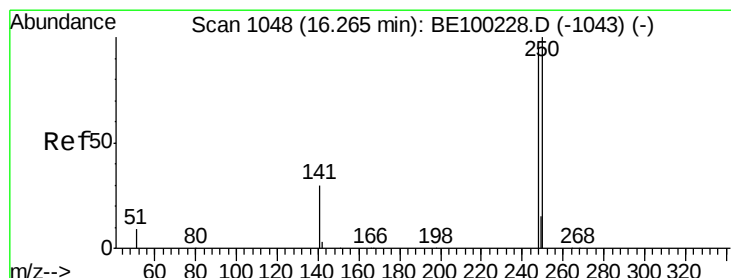
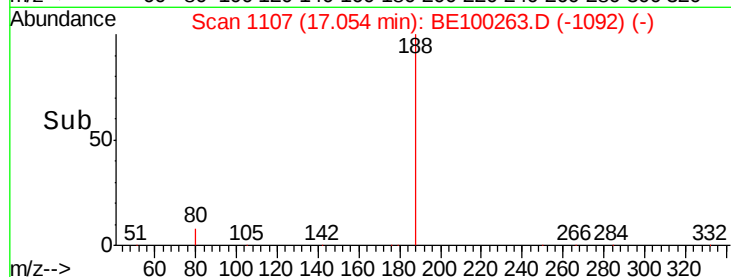
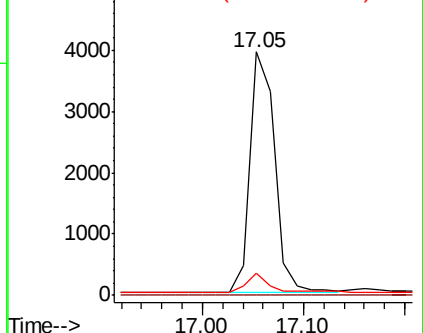
80 9.0 7.6 11.4



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: 0.009 ng

RT: 16.26 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

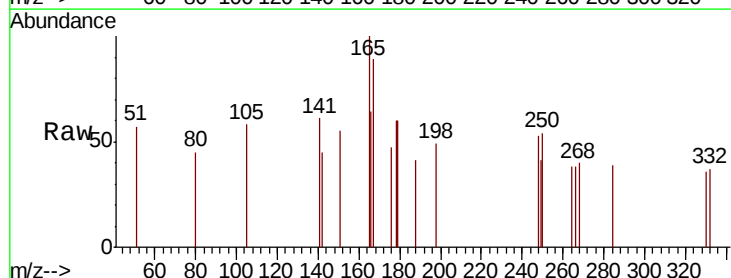
Tgt Ion:248 Resp: 38

Ion Ratio Lower Upper

248 100

250 101.6 84.2 126.4

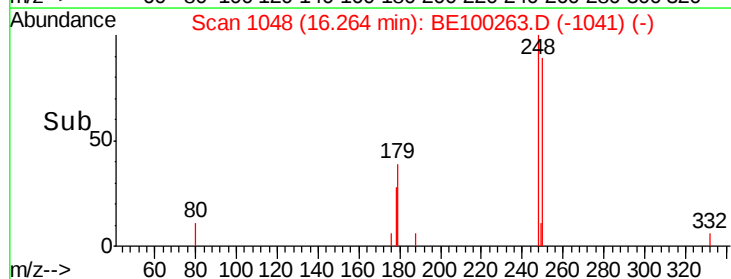
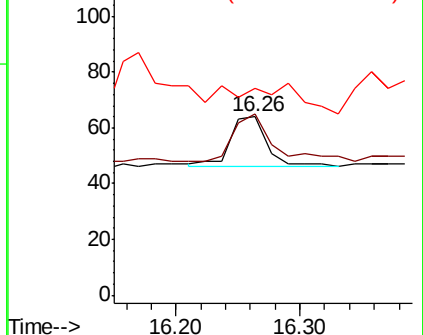
141 115.6 29.3 43.9#



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: 0.008 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

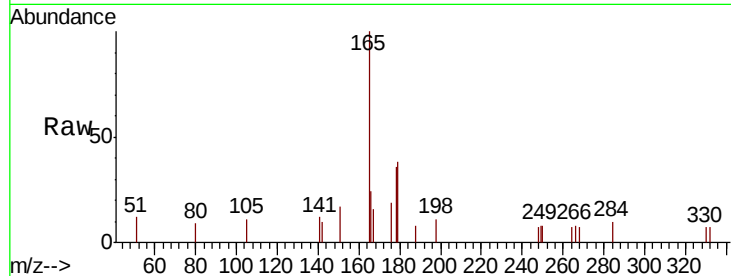
Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

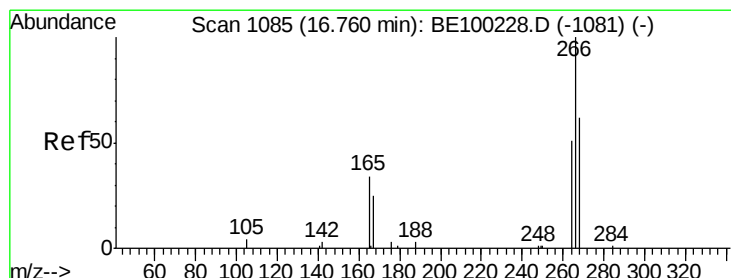
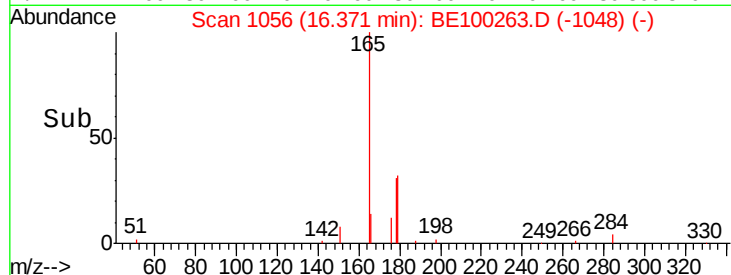
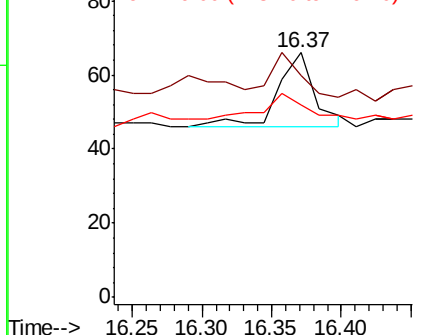
Tgt Ion:	284	Resp:	37
Ion Ratio	Lower	Upper	
284	100		
142	48.6	18.8	28.2#
249	37.8	23.7	35.5#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.012 ng

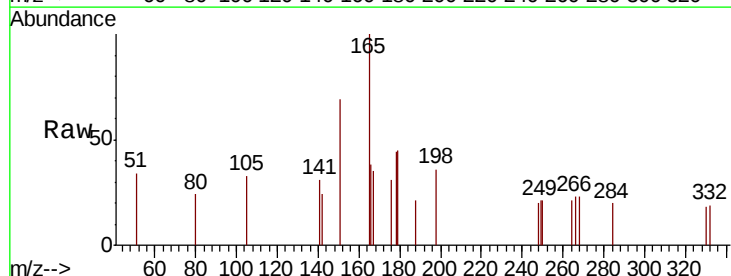
RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

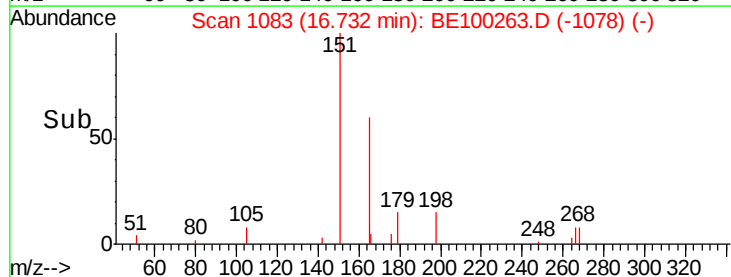
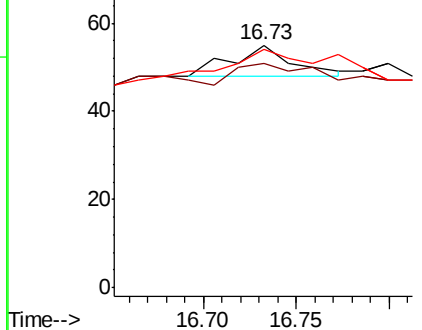
Tgt Ion:	266	Resp:	16
Ion Ratio	Lower	Upper	
266	100		
264	92.7	56.2	84.2#
268	98.2	61.8	92.6#



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: 3.161 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

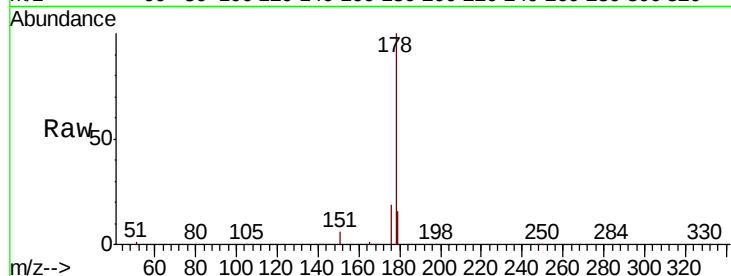
Tgt Ion:178 Resp: 51043

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

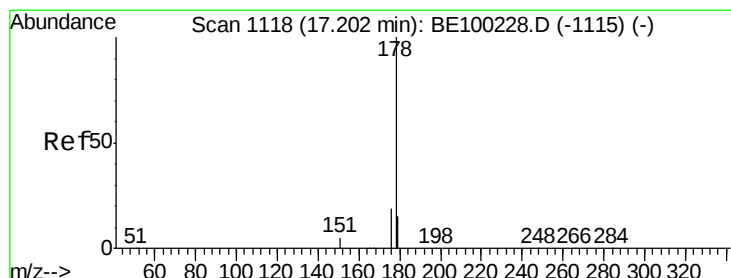
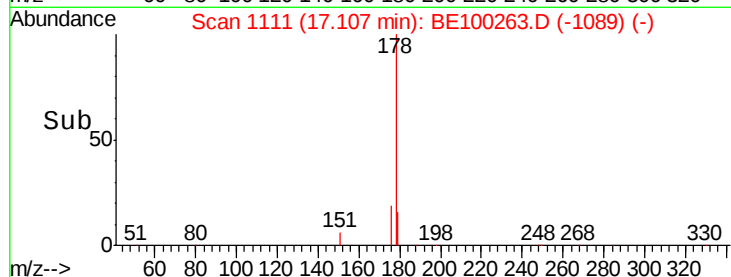
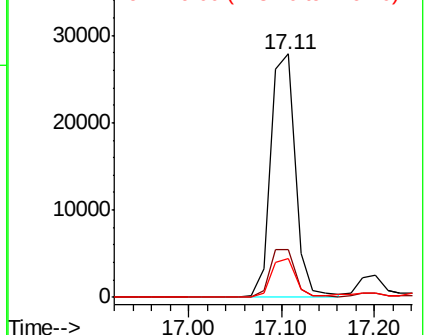
179 15.6 12.2 18.2



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: 0.310 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

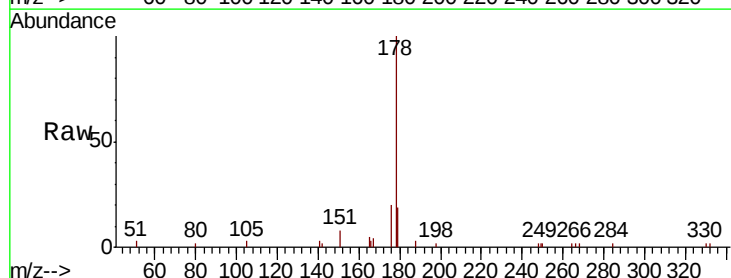
Tgt Ion:178 Resp: 4502

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

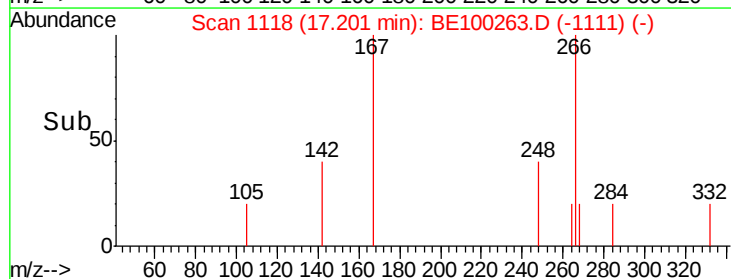
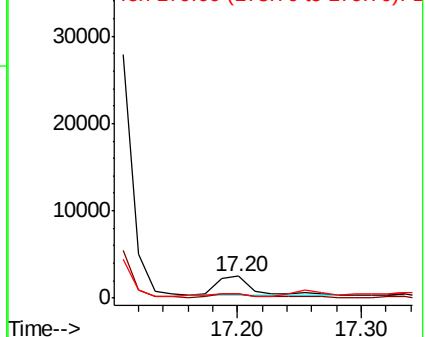
179 11.6 12.2 18.2#

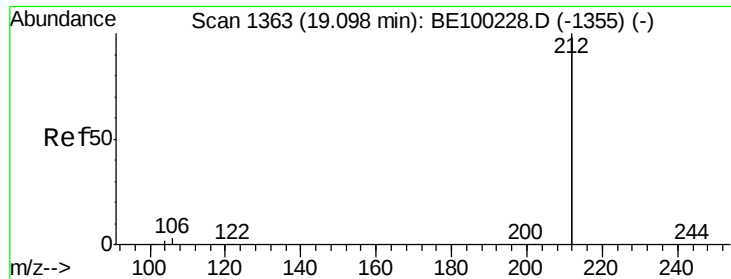


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

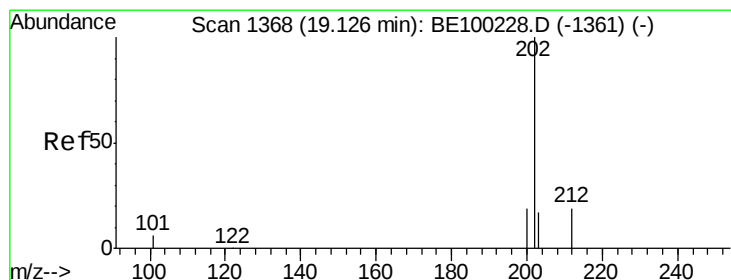
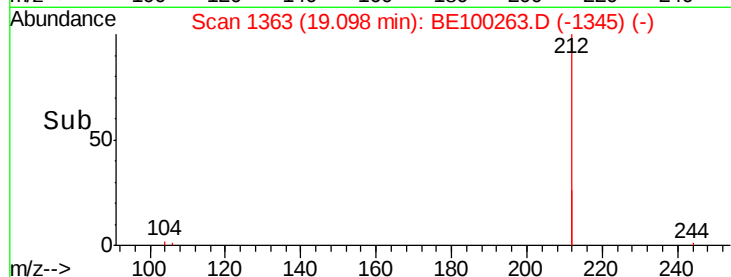
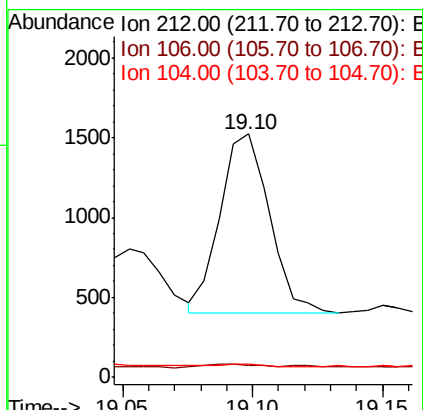
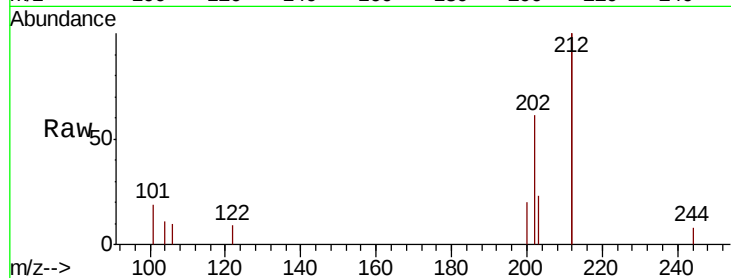




#25
 Fluoranthene-d10
 Concen: 0.015 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100263.D
 Acq: 1 Jul 2019 13:42

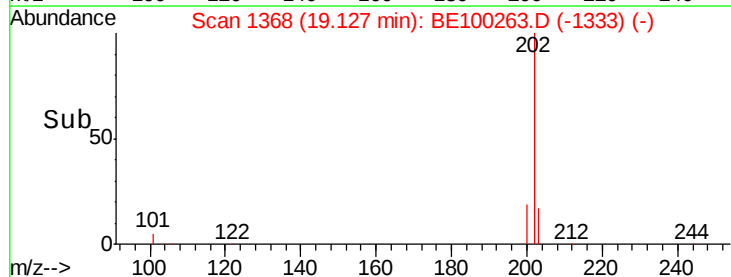
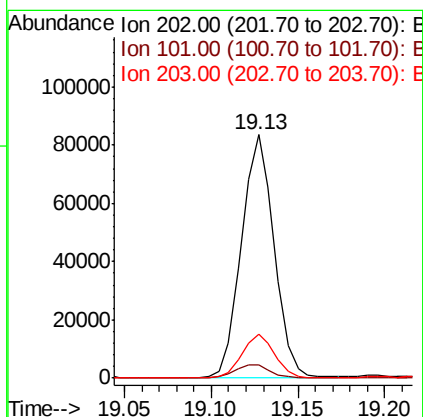
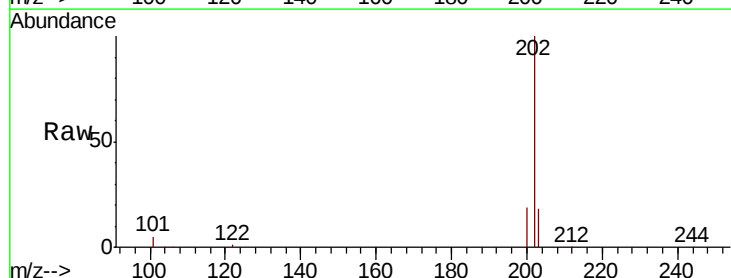
Instrument :
 BNA_M
 ClientSampleId :
 EXT-013-SW166-061319DL

Tgt Ion: 212 Resp: 1481
 Ion Ratio Lower Upper
 212 100
 106 1.9 1.3 1.9
 104 2.0 0.8 1.2#



#26
 Fluoranthene
 Concen: 4.259 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100263.D
 Acq: 1 Jul 2019 13:42

Tgt Ion: 202 Resp: 109552
 Ion Ratio Lower Upper
 202 100
 101 5.7 4.6 7.0
 203 17.7 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

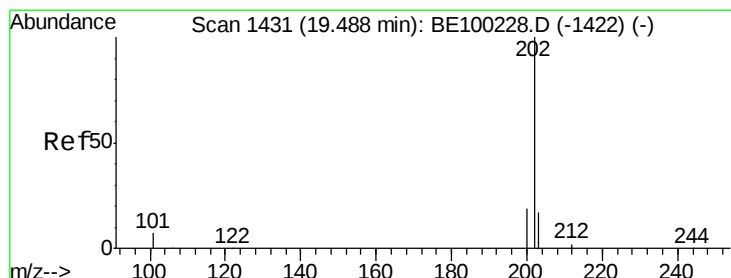
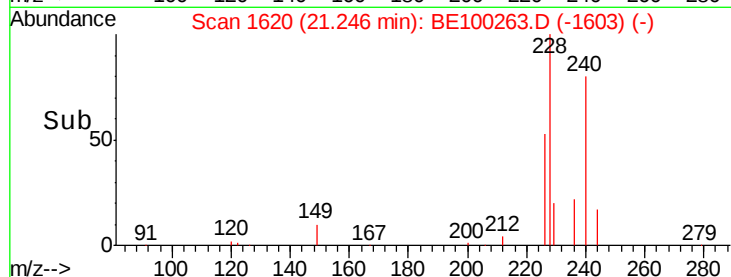
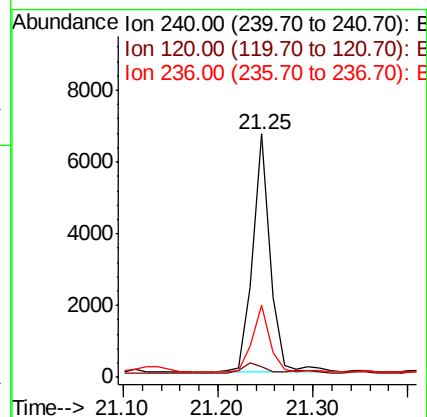
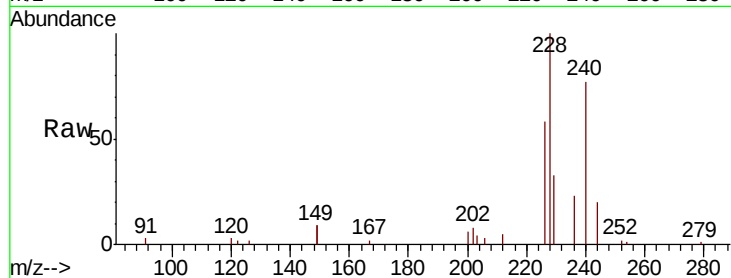
Tgt Ion:240 Resp: 8593

Ion Ratio Lower Upper

240 100

120 4.5 3.3 4.9

236 29.7 22.6 34.0



#28

Pyrene

Concen: 5.478 ng

RT: 19.49 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

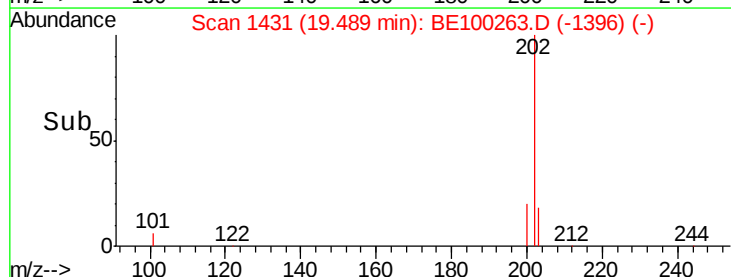
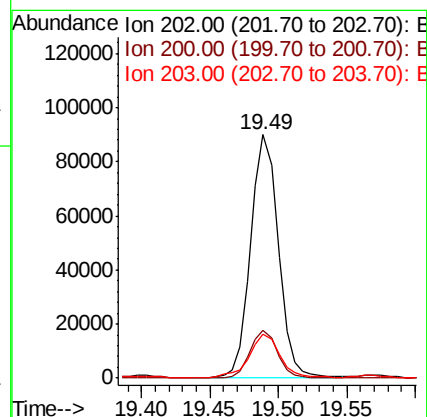
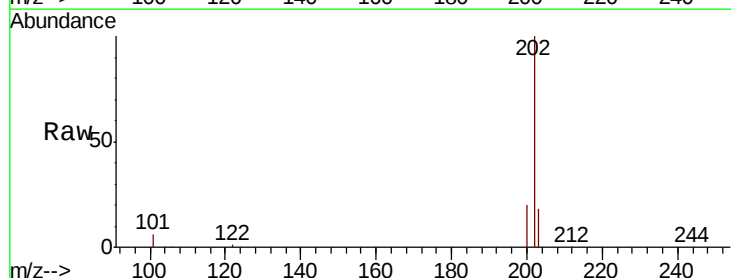
Tgt Ion:202 Resp: 124621

Ion Ratio Lower Upper

202 100

200 19.6 15.6 23.4

203 19.7 14.0 21.0





#29

Terphenyl-d14

Concen: 0.096 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

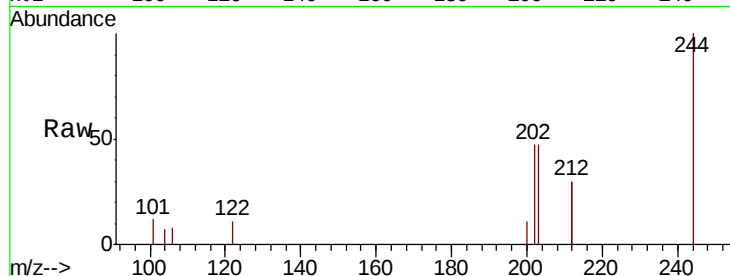
Tgt Ion:244 Resp: 1713

Ion Ratio Lower Upper

244 100

212 59.9 27.3 40.9#

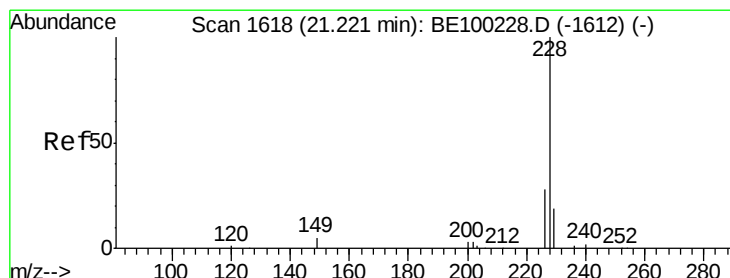
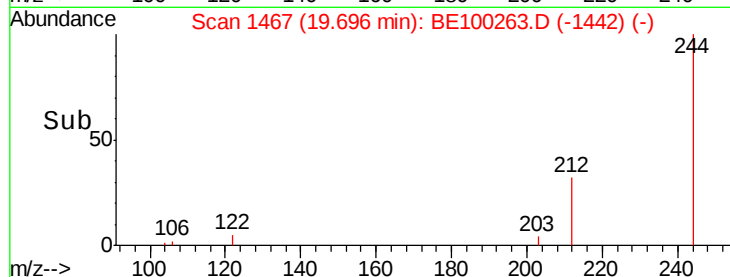
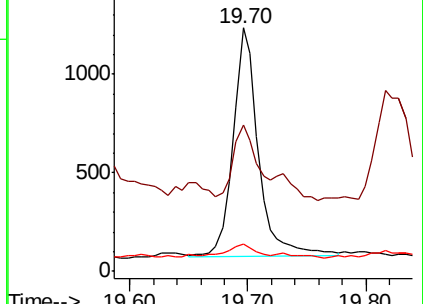
122 11.3 4.7 7.1#



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: 2.715 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.06 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

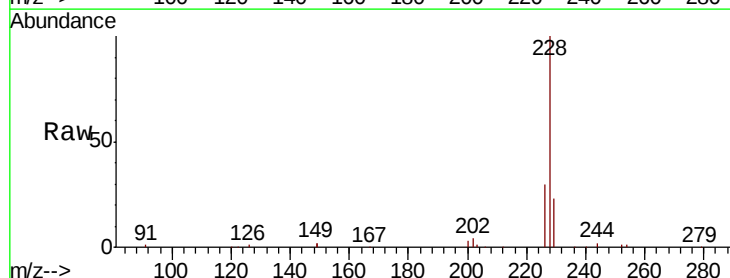
Tgt Ion:228 Resp: 76703

Ion Ratio Lower Upper

228 100

226 30.1 23.2 34.8

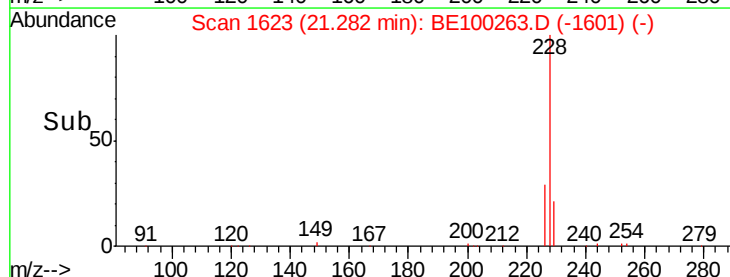
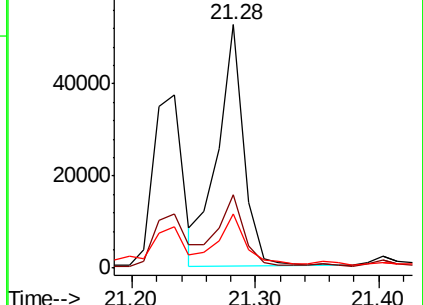
229 22.5 15.7 23.5



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: 2.681 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

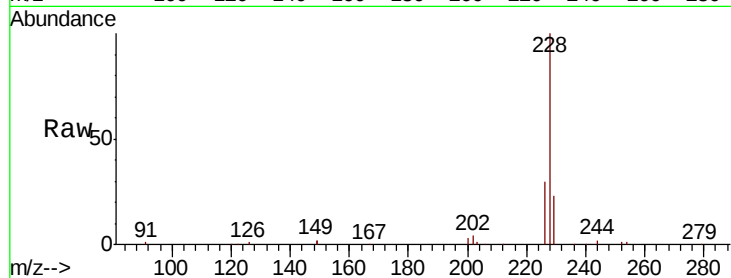
Tgt Ion:228 Resp: 76068

Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

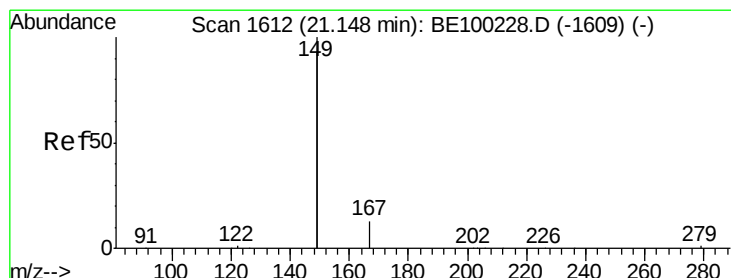
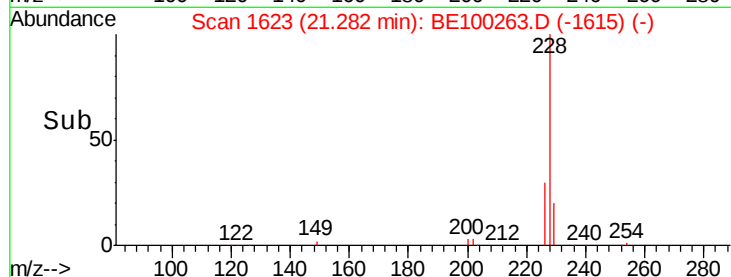
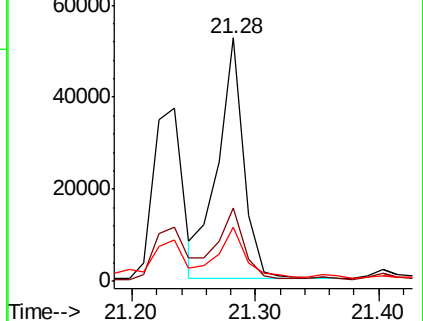
229 22.5 16.5 24.7



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: 0.021 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

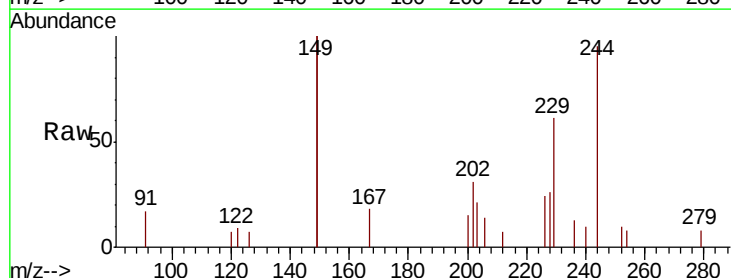
Tgt Ion:149 Resp: 3149

Ion Ratio Lower Upper

149 100

167 7.7 5.8 8.8

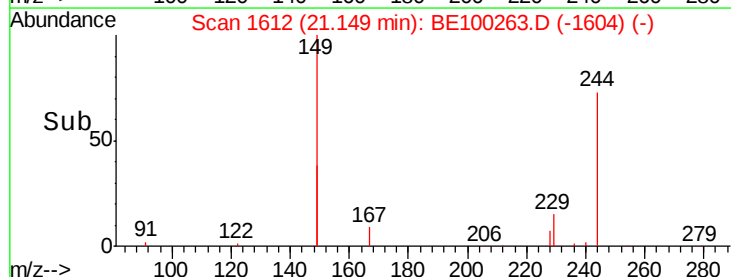
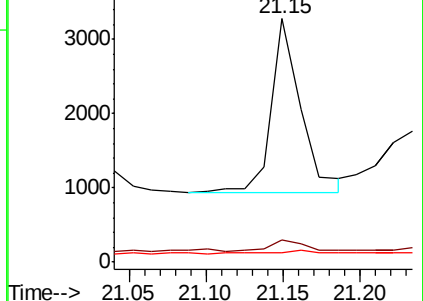
279 2.3 1.1 1.7#



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: 1.105 ng

RT: 26.23 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

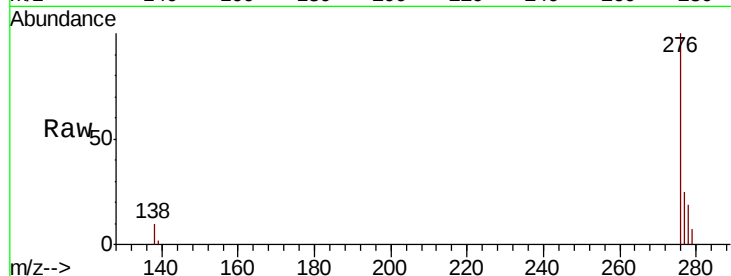
Tgt Ion:276 Resp: 41473

Ion Ratio Lower Upper

276 100

138 9.4 9.4 14.0

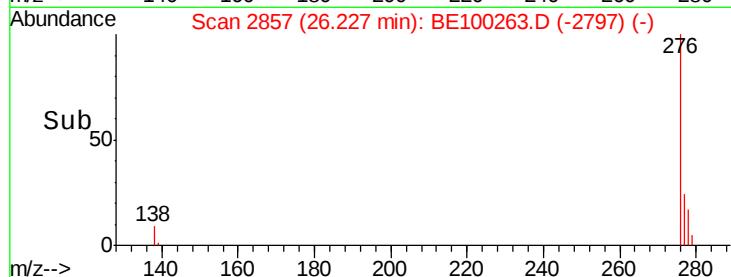
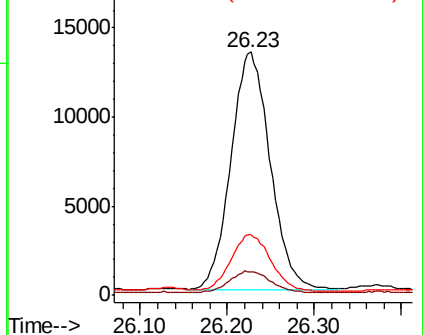
277 24.6 19.2 28.8



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: 23.67 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

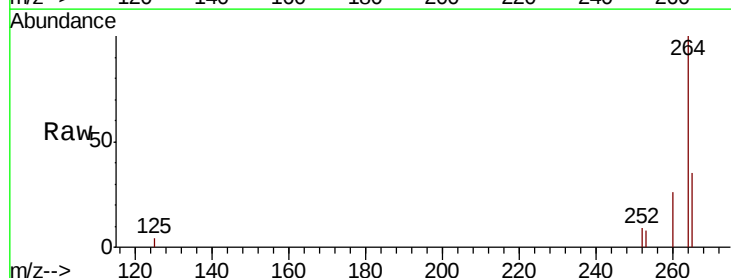
Tgt Ion:264 Resp: 10108

Ion Ratio Lower Upper

264 100

260 25.9 20.8 31.2

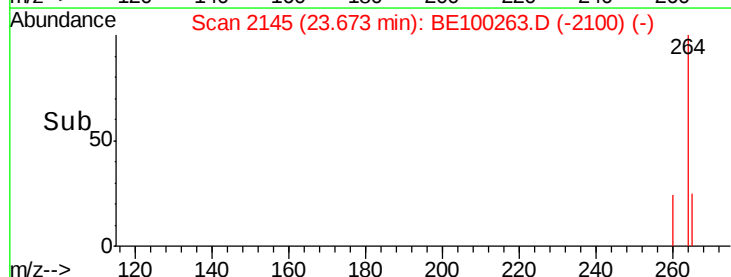
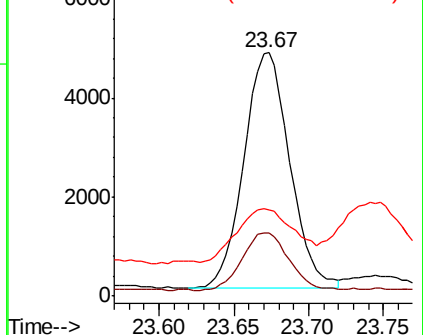
265 35.4 21.8 32.6#



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

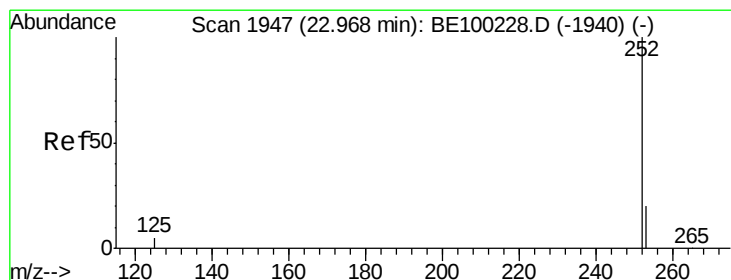
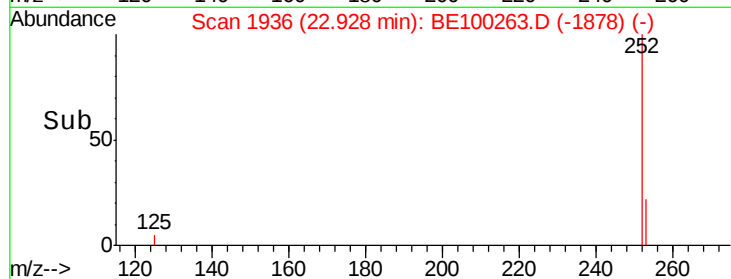
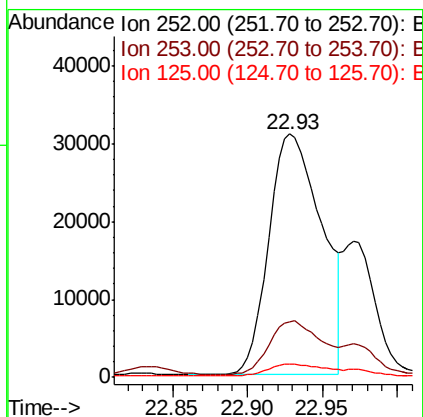
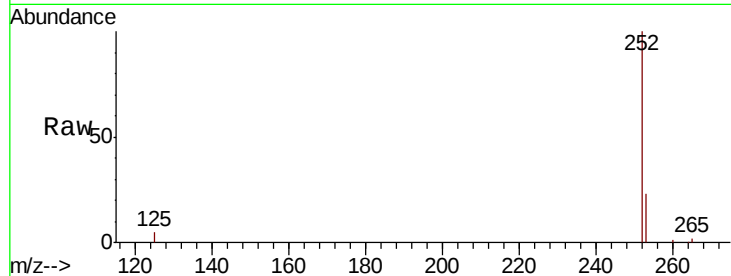




#35
Benzo(b)fluoranthene
Concen: 2.788 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

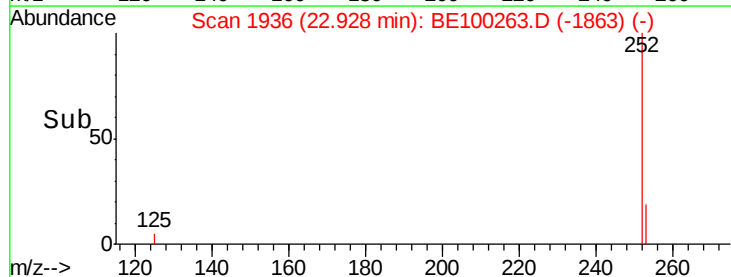
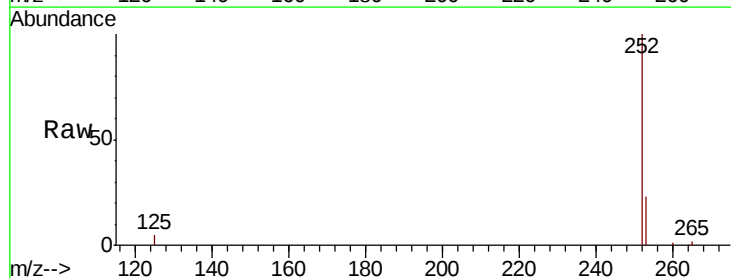
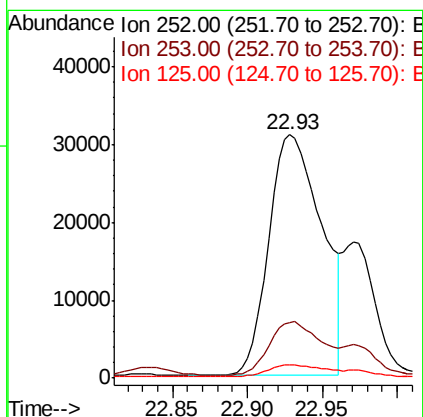
Instrument :
BNA_M
ClientSampleId :
EXT-013-SW166-061319DL

Tgt Ion:252 Resp: 76407
Ion Ratio Lower Upper
252 100
253 23.0 19.2 28.8
125 5.4 7.4 11.0#



#36
Benzo(k)fluoranthene
Concen: 2.498 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100263.D
Acq: 1 Jul 2019 13:42

Tgt Ion:252 Resp: 76407
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 5.4 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.479 ng

RT: 23.72 min Scan# 2159

Delta R.T. 0.17 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL

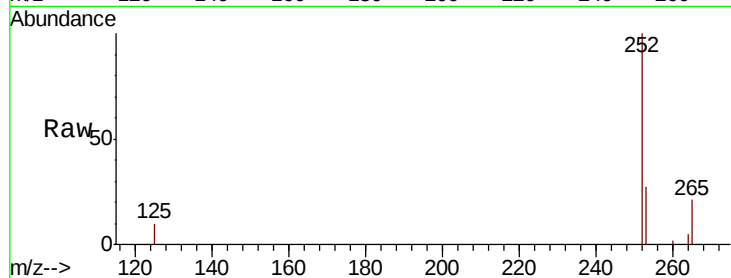
Tgt Ion:252 Resp: 13150

Ion Ratio Lower Upper

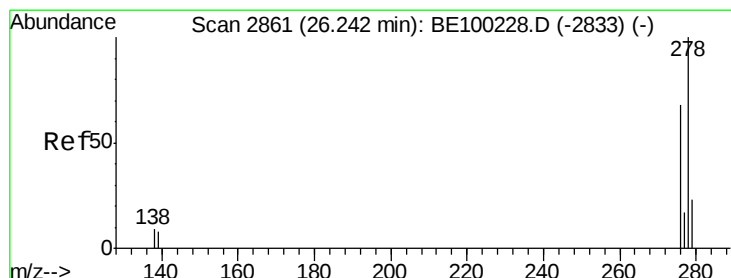
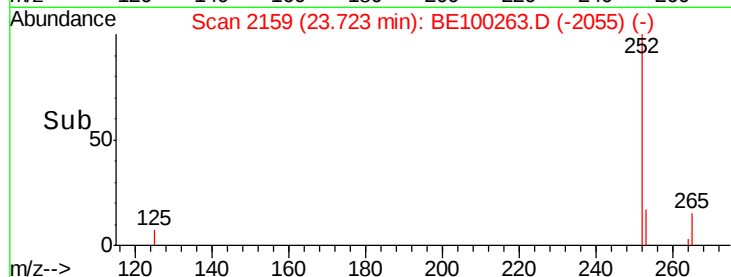
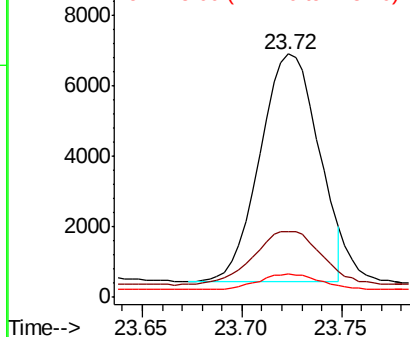
252 100

253 27.0 19.6 29.4

125 9.9 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: 0.359 ng

RT: 26.24 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE100263.D

Acq: 1 Jul 2019 13:42

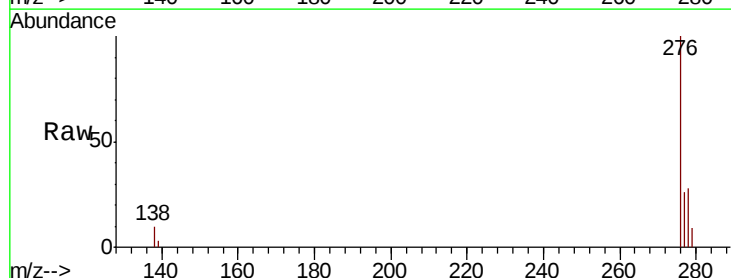
Tgt Ion:278 Resp: 10285

Ion Ratio Lower Upper

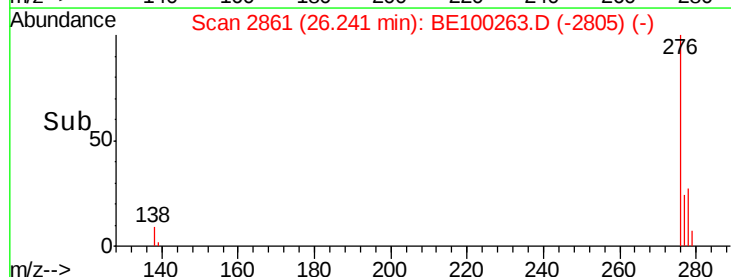
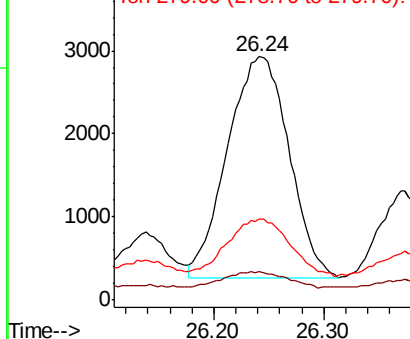
278 100

139 11.9 8.2 12.2

279 33.0 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: 1.540 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BE100263.D

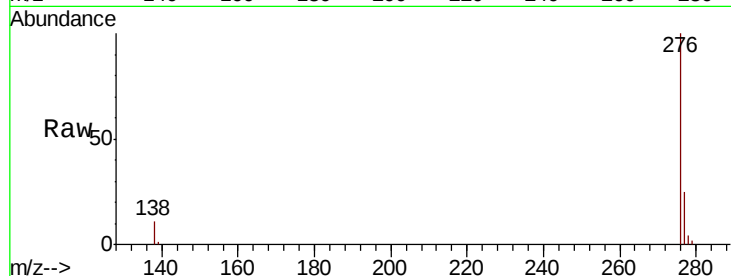
Acq: 1 Jul 2019 13:42

Instrument :

BNA_M

ClientSampleId :

EXT-013-SW166-061319DL



Tgt Ion: 276 Resp: 45379

Ion Ratio Lower Upper

276 100

277 24.5 20.2 30.2

138 10.5 9.0 13.6

