

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070819\
 Data File : BE100412.D
 Acq On : 8 Jul 2019 14:59
 Operator : JU/SJ
 Sample : K3561-10DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Quant Time: Jul 08 16:44:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 08 15:19:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	384	0.40	ng	0.00
7) Naphthalene-d8	10.42	136	1544	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	1440	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	4715	0.40	ng	0.00
27) Chrysene-d12	21.22	240	7285	0.40	ng	-0.01
34) Perylene-d12	23.63	264	8533	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	53	0.05	ng	0.00
5) Phenol-d6	6.87	99	18	0.01	ng	0.02
8) Nitrobenzene-d5	8.85	82	83	0.05	ng	0.04
11) 2-Methylnaphthalene-d10	12.02	152	150	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.79	330	64	0.06	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	261	0.05	ng	-0.01
25) Fluoranthene-d10	19.08	212	2705	0.04	ng	0.00
29) Terphenyl-d14	19.67	244	670	0.04	ng	-0.02

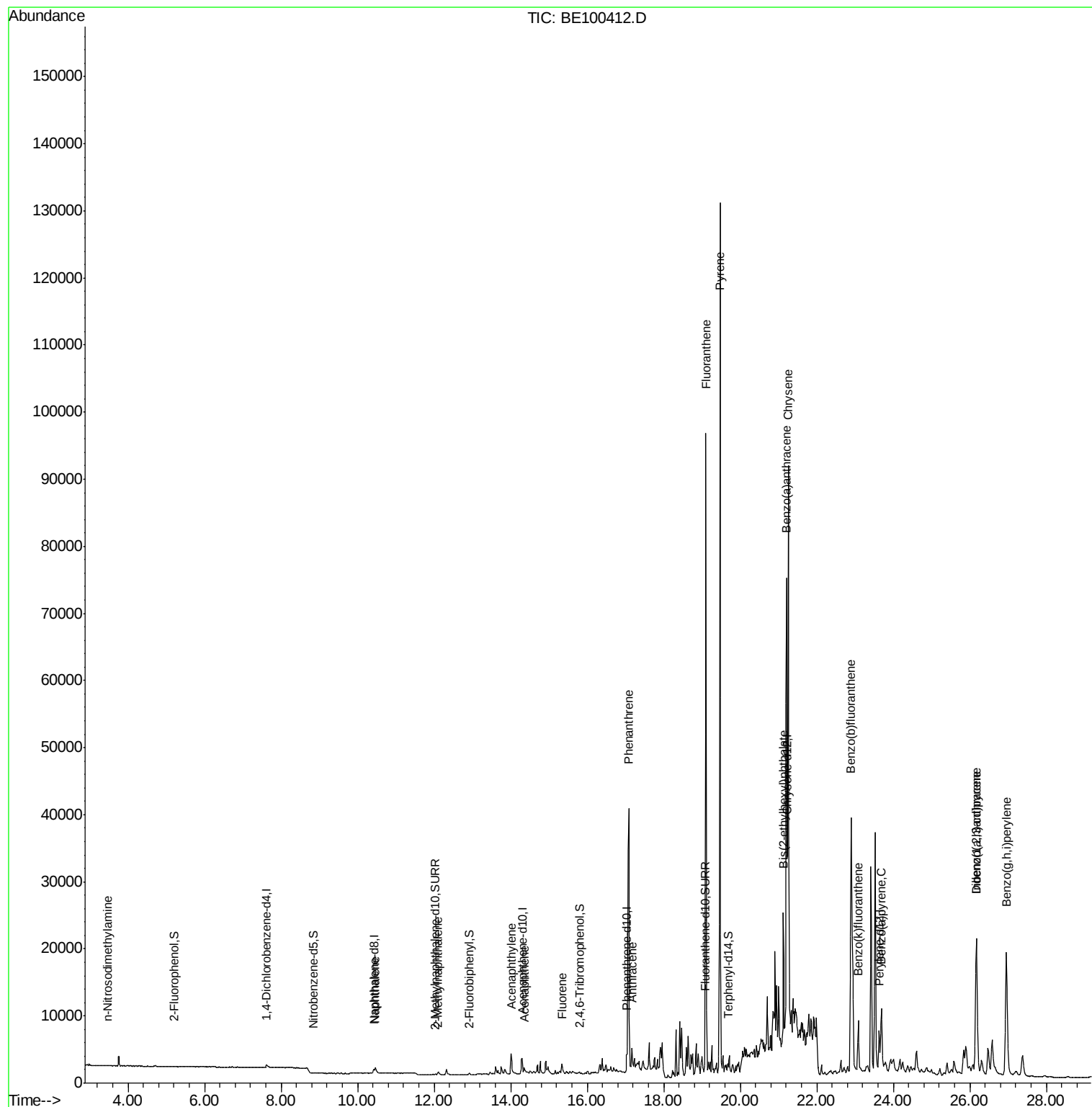
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.46	42	17	0.061	ng	# 1
9) Naphthalene	10.46	128	2111	0.124	ng	# 91
12) 2-Methylnaphthalene	12.09	142	451	0.151	ng	91
16) Acenaphthylene	14.01	152	4312	0.624	ng	98
17) Acenaphthene	14.36	154	443	0.113	ng	98
18) Fluorene	15.34	166	1597	0.276	ng	# 89
23) Phenanthrene	17.08	178	48403	4.236	ng	100
24) Anthracene	17.17	178	4060	0.395	ng	# 91
26) Fluoranthene	19.10	202	90040	4.947	ng	99
28) Pylene	19.47	202	125137	6.488	ng	96
30) Benzo(a)anthracene	21.21	228	62888	2.625	ng	96
31) Chrysene	21.26	228	80160	3.333	ng	99
32) Bis(2-ethylhexyl)phthalate	21.12	149	21216	0.569	ng	100
33) Indeno(1,2,3-cd)pyrene	26.17	276	39425	1.239	ng	98
35) Benzo(b)fluoranthene	22.89	252	76631	3.312	ng	# 95
36) Benzo(k)fluoranthene	23.08	252	10590	0.410	ng	95
37) Benzo(a)pyrene	23.68	252	11535	0.497	ng	98
38) Dibenzo(a,h)anthracene	26.18	278	10464	0.432	ng	94
39) Benzo(g,h,i)perylene	26.95	276	46663	1.876	ng	# 96

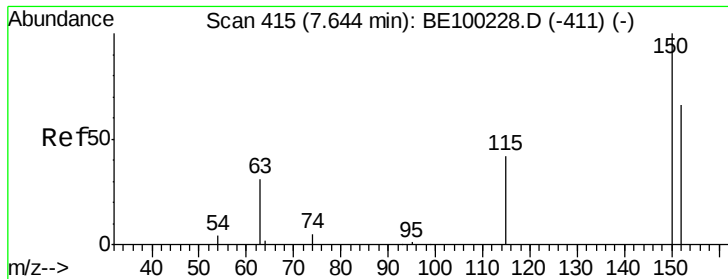
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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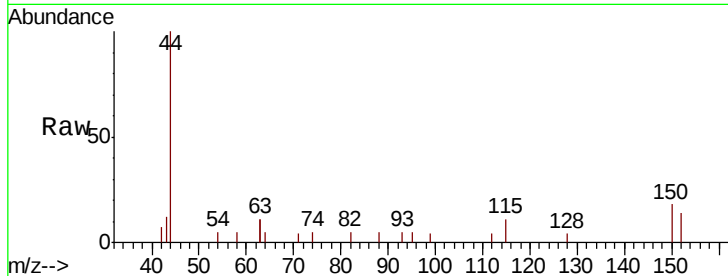


#1

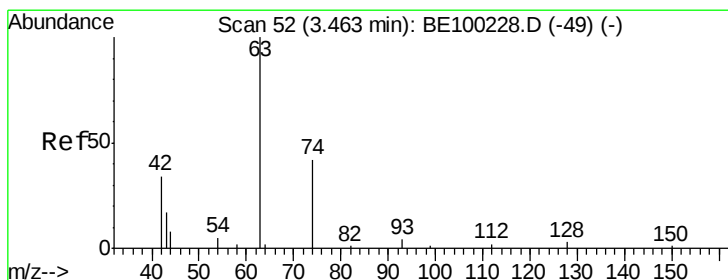
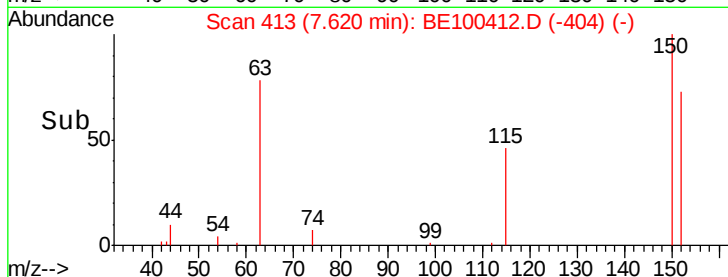
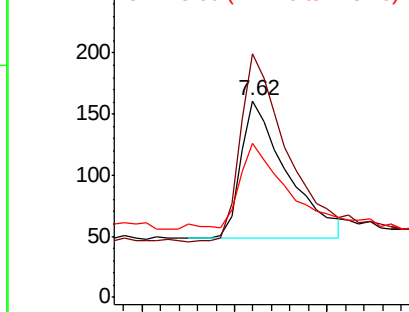
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. 0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tot Ion:152 Resp: 384
Ion Ratio Lower Upper
152 100
150 123.6 99.6 149.4
115 78.3 61.4 92.0



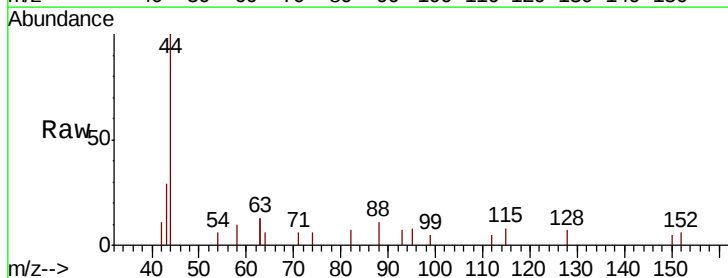
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



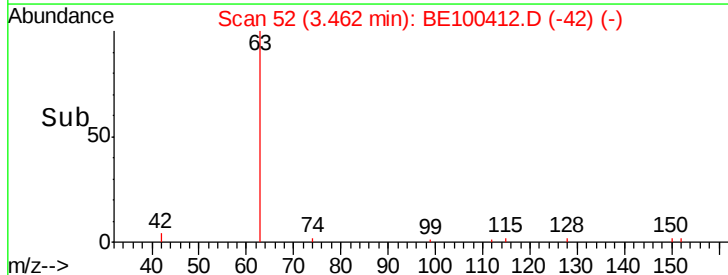
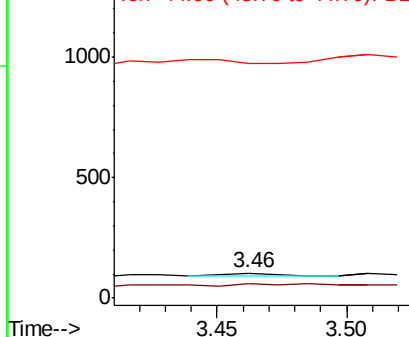
#3

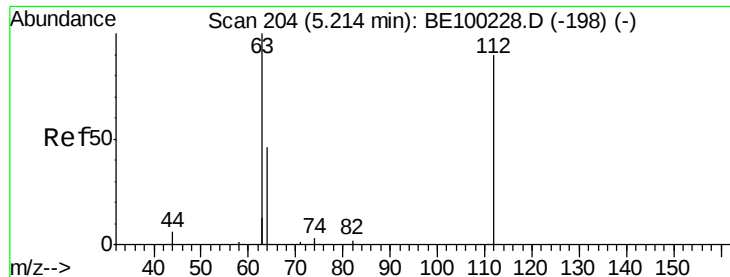
n-Nitrosodimethylamine
Concen: 0.061 ng
RT: 3.46 min Scan# 52
Delta R.T. 0.02 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion: 42 Resp: 17
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 335.3 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: 0.054 ng

RT: 5.19 min Scan# 202

Delta R.T. 0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

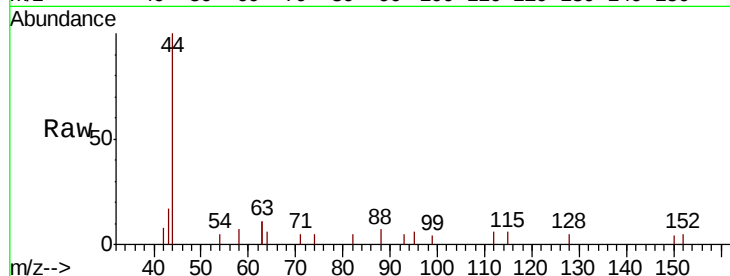
Tot Ion: 112 Resp: 53

Ion Ratio Lower Upper

112 100

64 90.6 44.7 67.1#

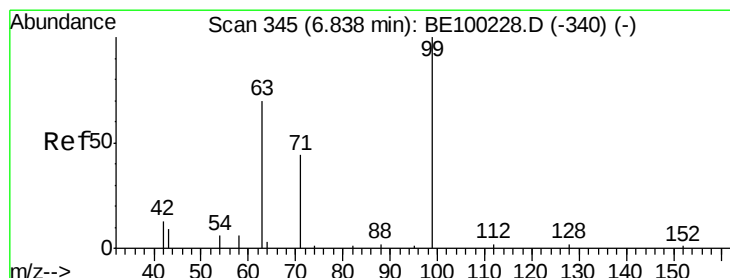
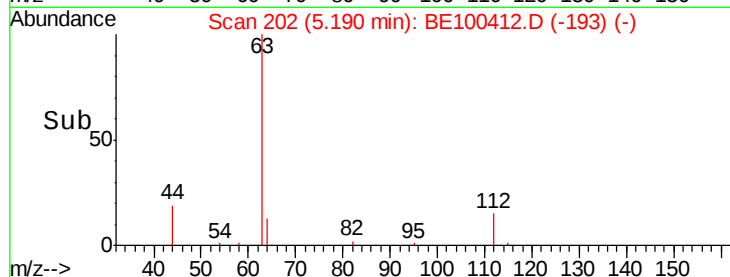
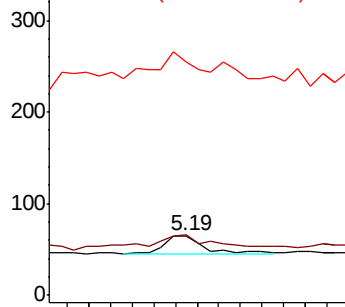
63 132.1 89.9 134.9



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: 0.014 ng

RT: 6.87 min Scan# 348

Delta R.T. 0.02 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

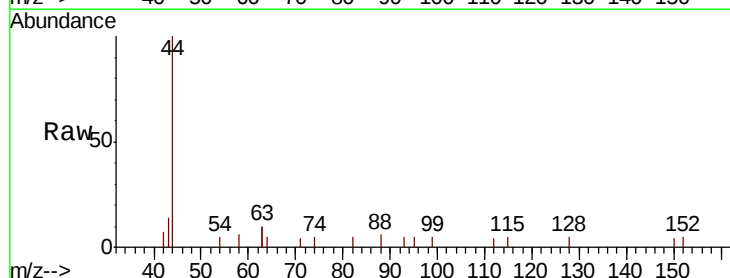
Tgt Ion: 99 Resp: 18

Ion Ratio Lower Upper

99 100

42 105.6 0.0 0.0#

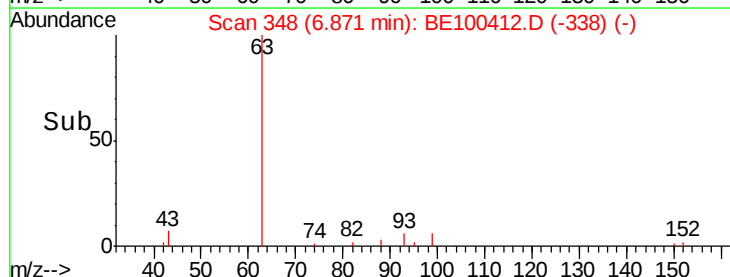
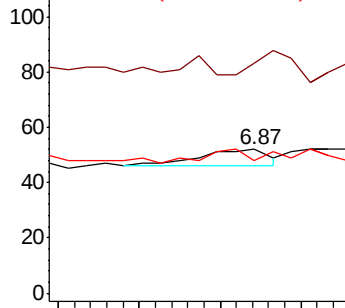
71 0.0 34.6 51.8#

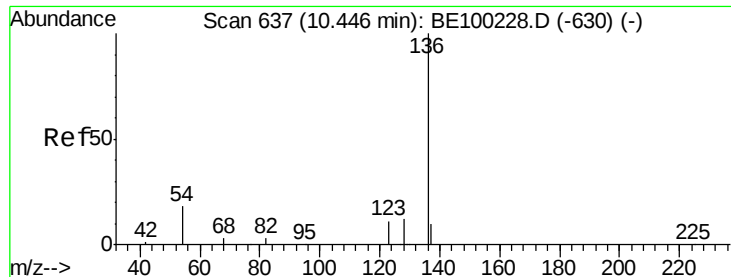


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. 0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

Tot Ion:136 Resp: 1544

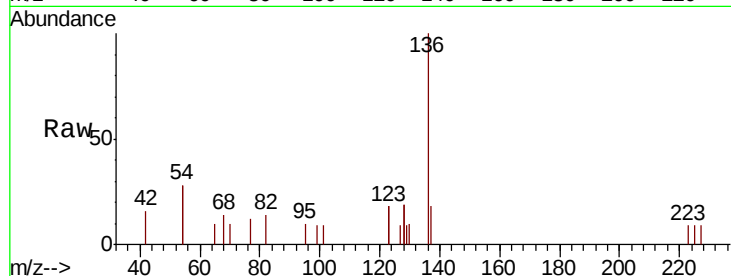
Ion Ratio Lower Upper

136 100

137 18.4 17.4 26.2

54 55.5 59.0 88.4#

68 14.4 14.0 21.0



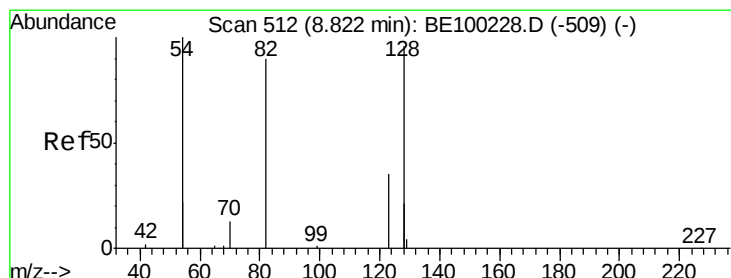
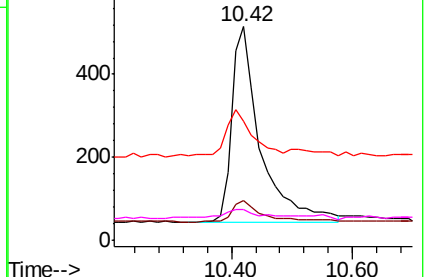
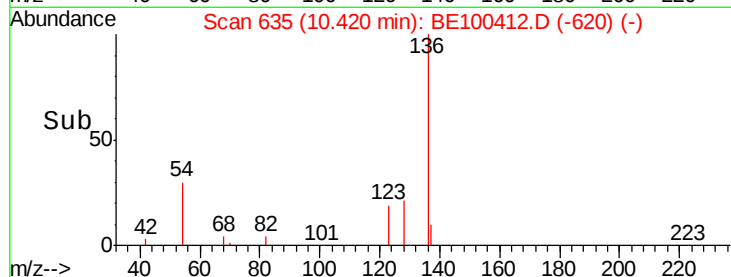
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#8

Nitrobenzene-d5

Concen: 0.054 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.04 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

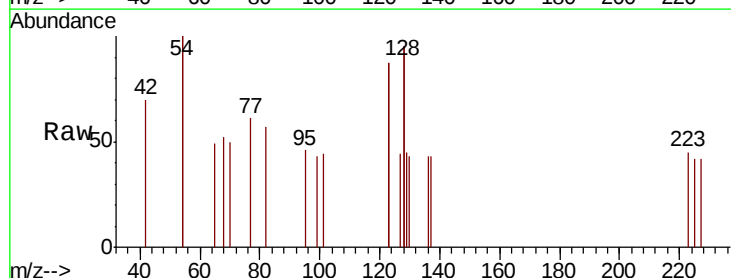
Tgt Ion: 82 Resp: 83

Ion Ratio Lower Upper

82 100

128 332.3 190.6 285.8#

54 348.4 201.5 302.3#

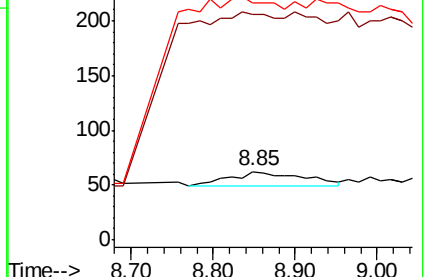
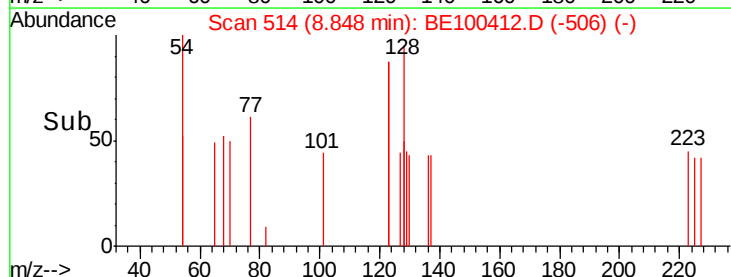


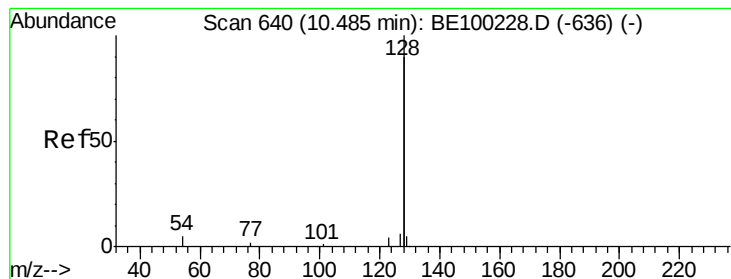
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

Time-->





#9

Naphthalene

Concen: 0.124 ng

RT: 10.46 min Scan# 638

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

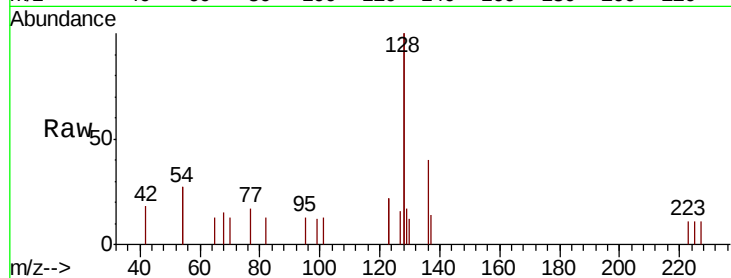
Tot Ion:128 Resp: 2111

Ion Ratio Lower Upper

128 100

129 8.5 4.2 6.2#

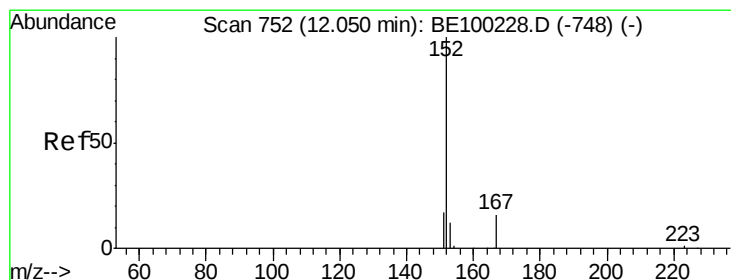
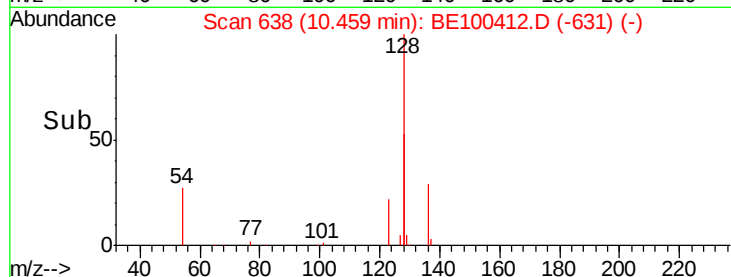
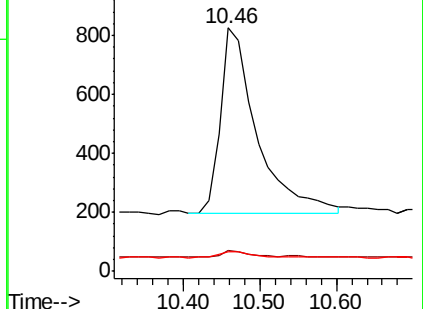
127 8.2 4.4 6.6#



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: 0.052 ng

RT: 12.02 min Scan# 750

Delta R.T. -0.01 min

Lab File: BE100412.D

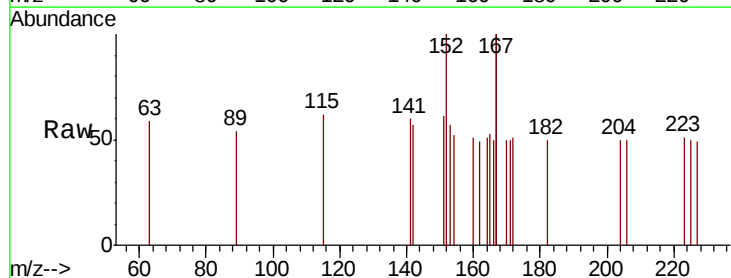
Acq: 8 Jul 2019 14:59

Tgt Ion:152 Resp: 150

Ion Ratio Lower Upper

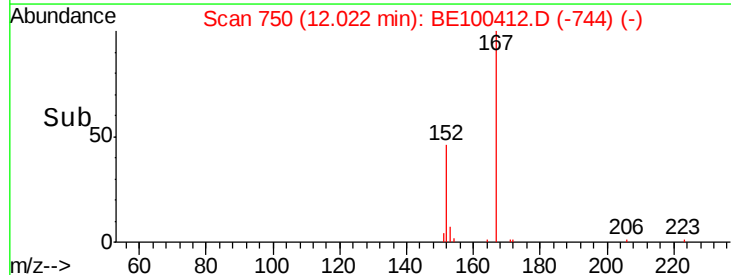
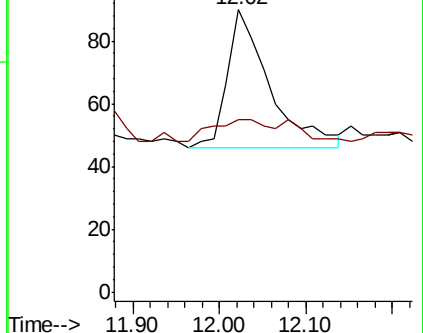
152 100

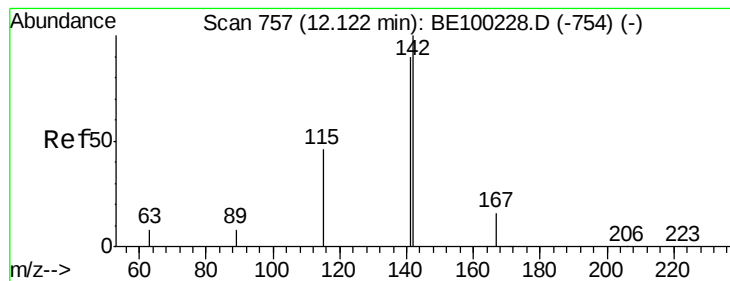
151 29.3 16.8 25.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.151 ng

RT: 12.09 min Scan# 755

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

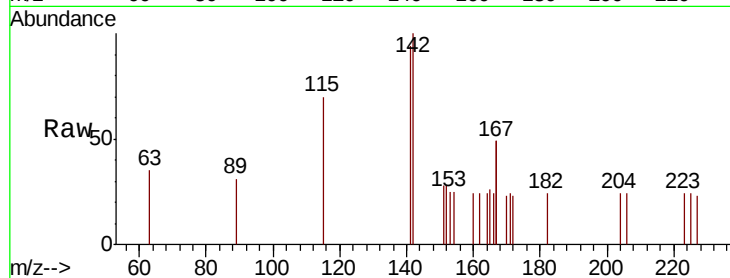
Tot Ion:142 Resp: 451

Ion Ratio Lower Upper

142 100

141 94.2 71.3 106.9

115 70.4 47.4 71.0



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

12.09

200

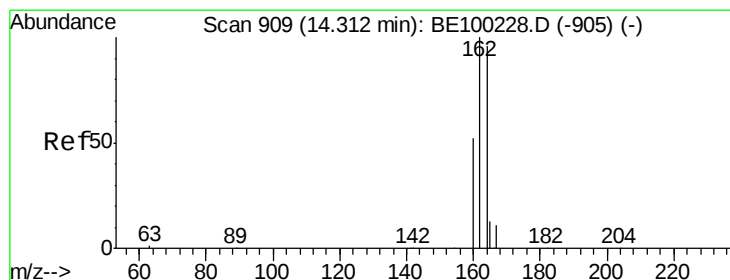
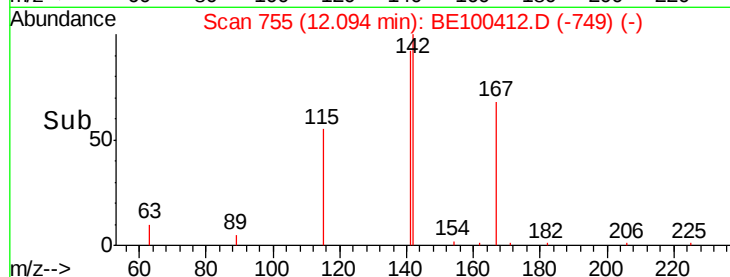
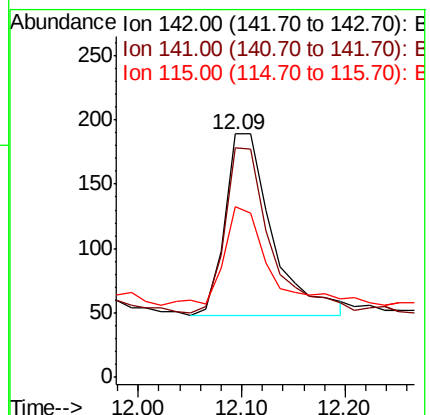
150

100

50

0

12.00 12.10 12.20



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

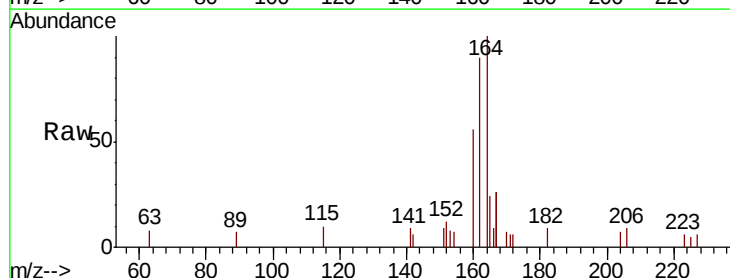
Tgt Ion:164 Resp: 1440

Ion Ratio Lower Upper

164 100

162 89.8 78.9 118.3

160 56.5 53.7 80.5



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

14.30

1000

800

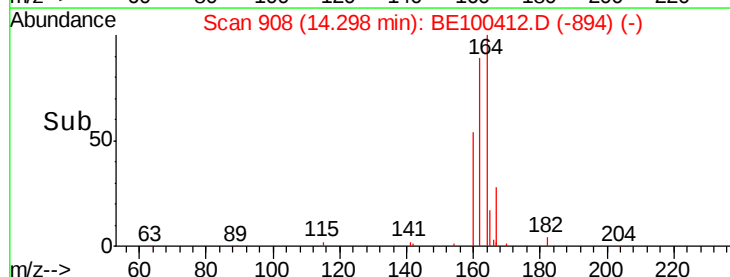
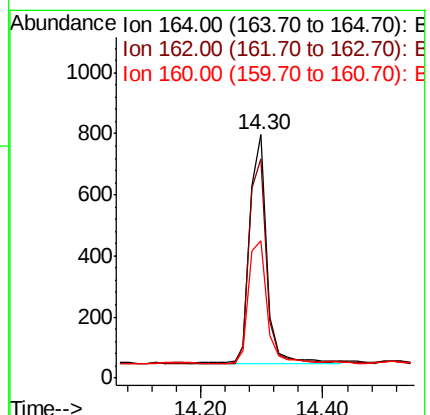
600

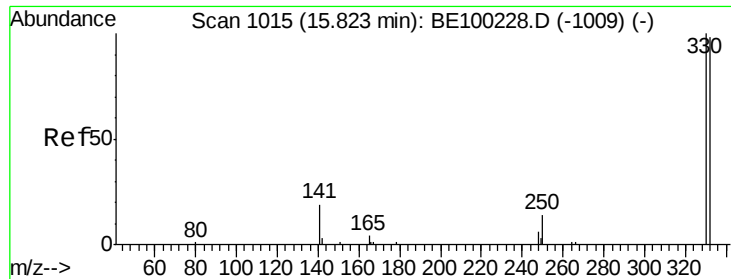
400

200

0

14.20 14.40

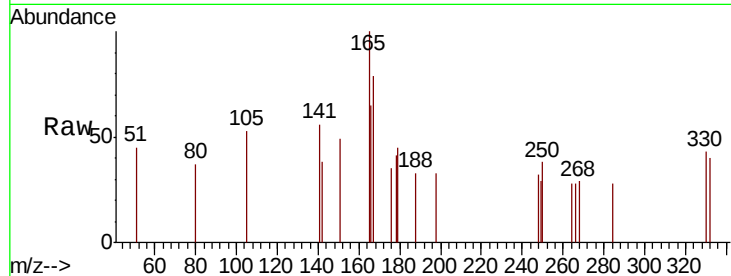




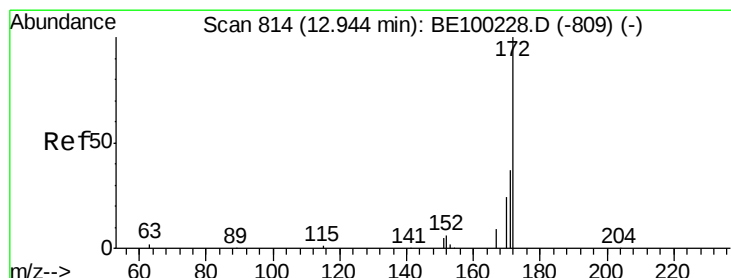
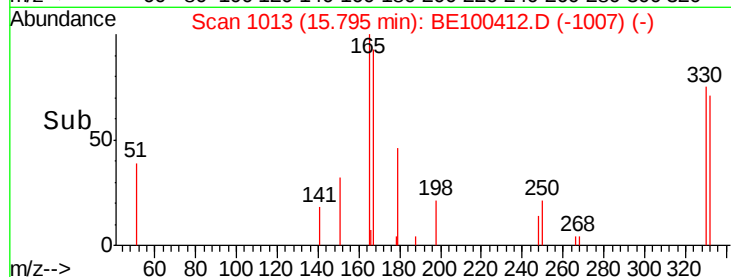
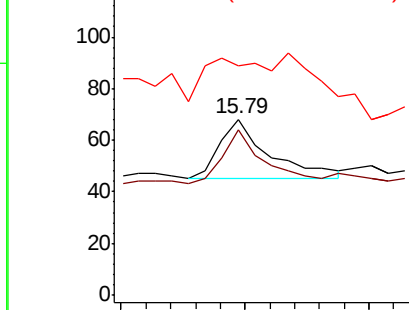
#14
 2,4,6-Tribromophenol
 Concen: 0.064 ng
 RT: 15.79 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tot Ion:330 Resp: 64
 Ion Ratio Lower Upper
 330 100
 332 76.6 75.0 112.4
 141 90.6 19.0 28.6#

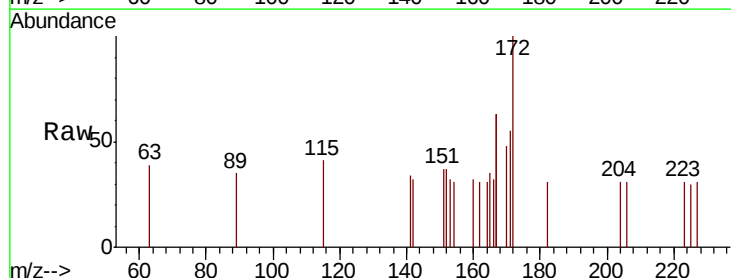


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

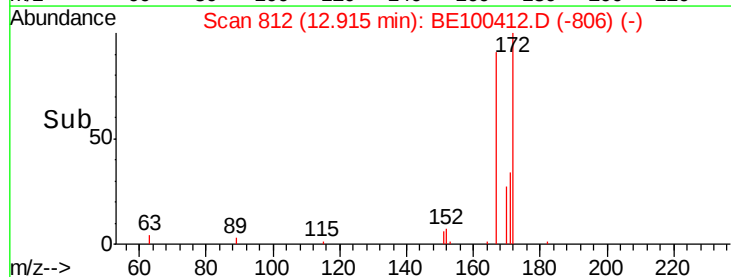
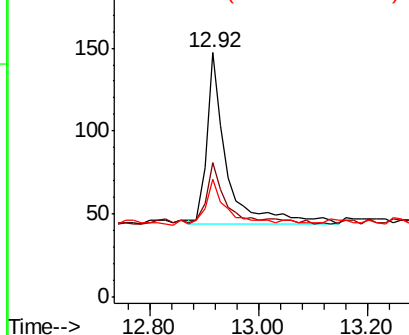


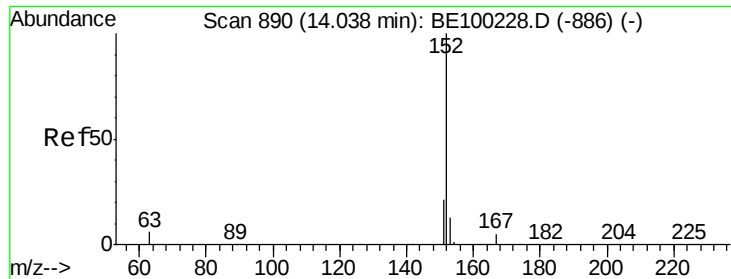
#15
 2-Fluorobiphenyl
 Concen: 0.047 ng
 RT: 12.92 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion:172 Resp: 261
 Ion Ratio Lower Upper
 172 100
 171 55.1 33.2 49.8#
 170 48.3 25.9 38.9#



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

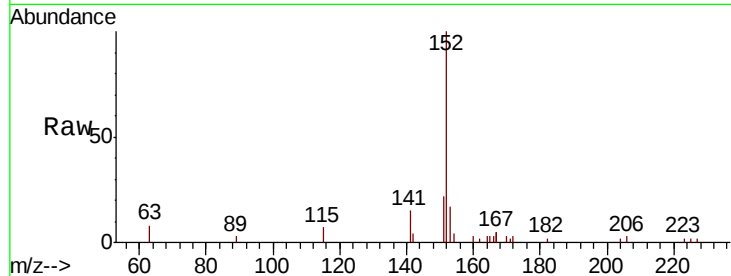




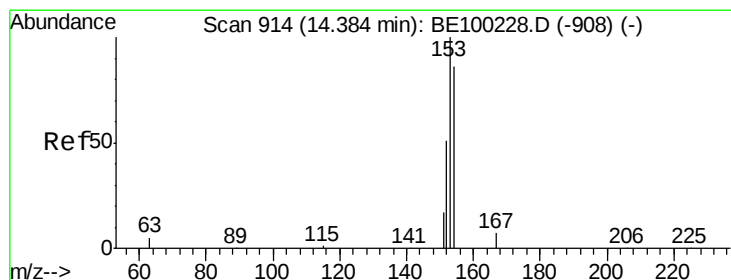
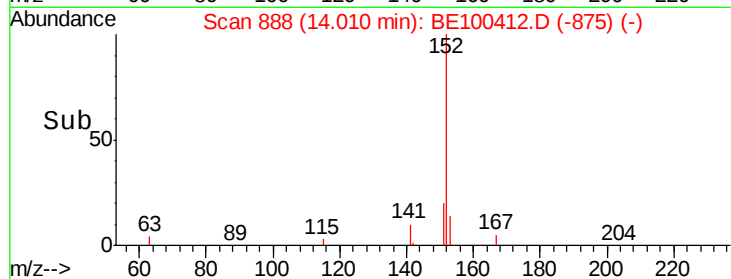
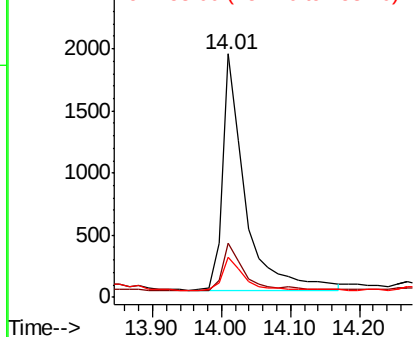
#16
Acenaphthylene
Concen: 0.624 ng
RT: 14.01 min Scan# 888
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

Tot Ion:152 Resp: 4312
Ion Ratio Lower Upper
152 100
151 20.3 17.0 25.6
153 13.7 11.2 16.8

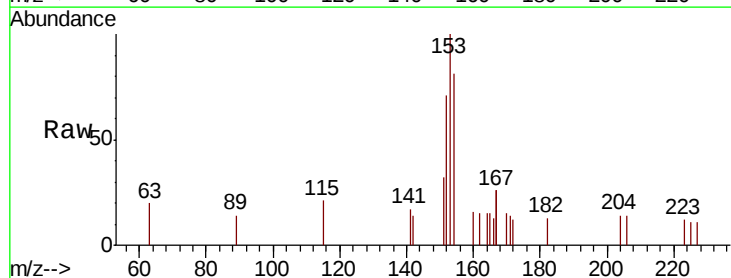


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

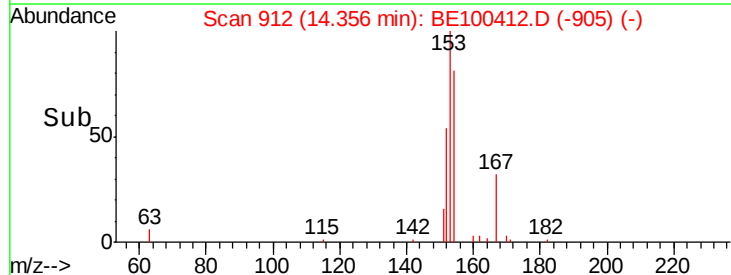
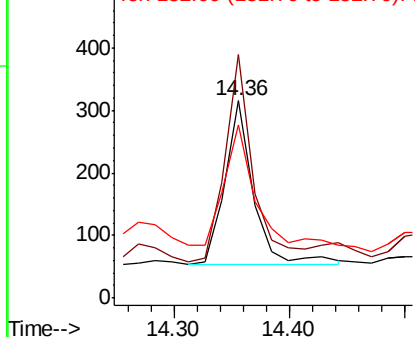


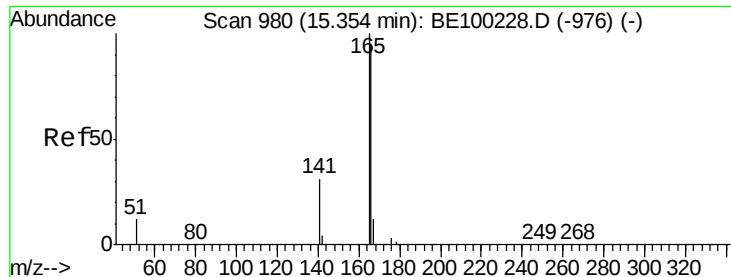
#17
Acenaphthene
Concen: 0.113 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion:154 Resp: 443
Ion Ratio Lower Upper
154 100
153 126.6 99.5 149.3
152 77.2 63.7 95.5



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: 0.276 ng

RT: 15.34 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

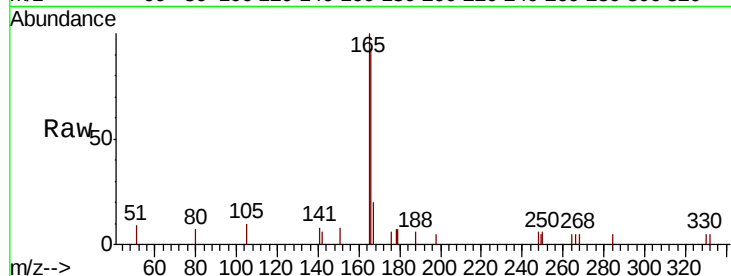
Tot Ion:166 Resp: 1597

Ion Ratio Lower Upper

166 100

165 112.8 82.3 123.5

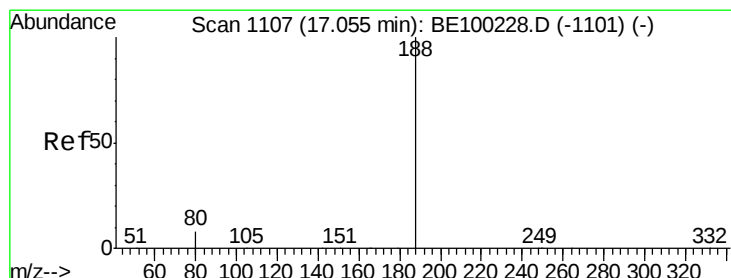
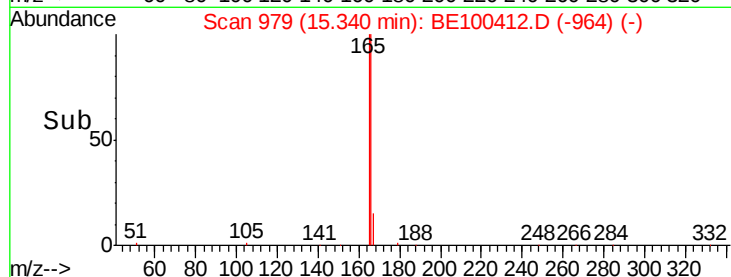
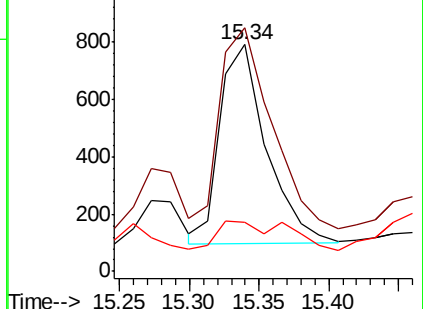
167 22.1 9.9 14.9#



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: 17.04 min Scan# 1106

Delta R.T. 0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

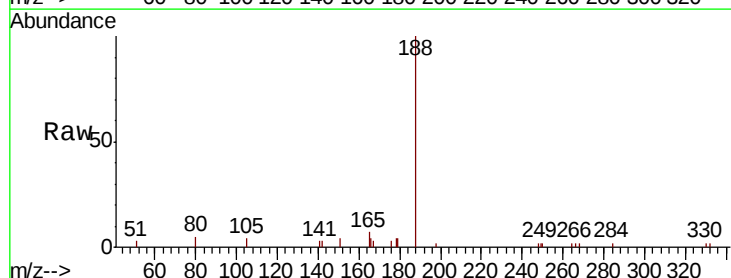
Tgt Ion:188 Resp: 4715

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

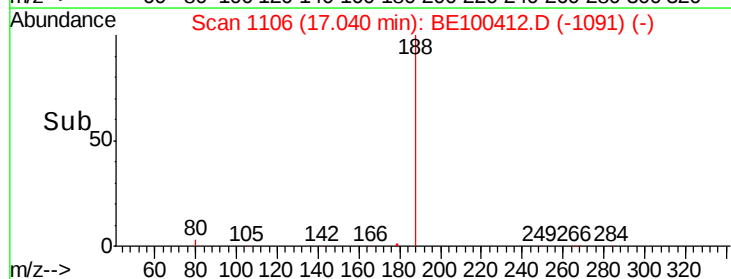
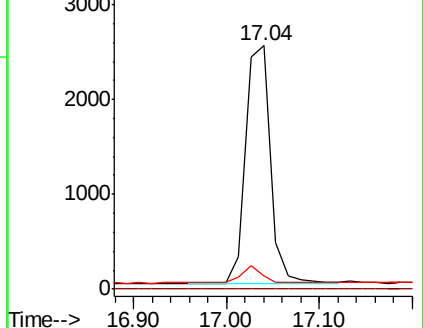
80 5.4 8.8 13.2#

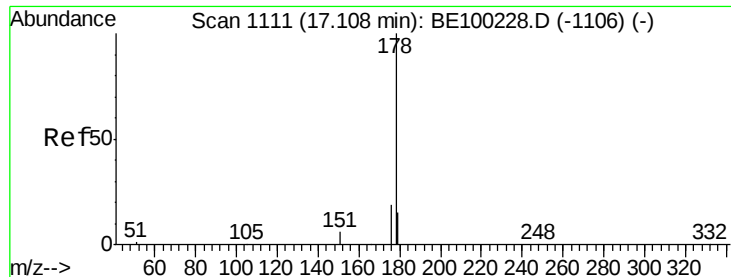


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 4.236 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.00 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

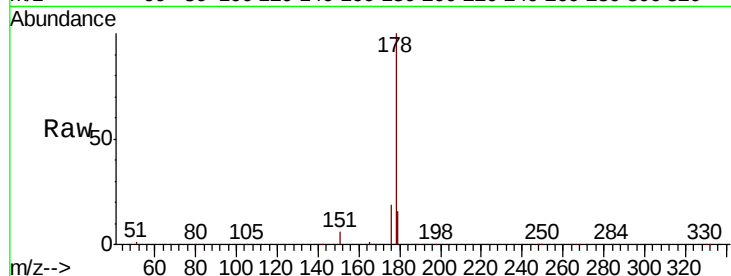
Tot Ion:178 Resp: 48403

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

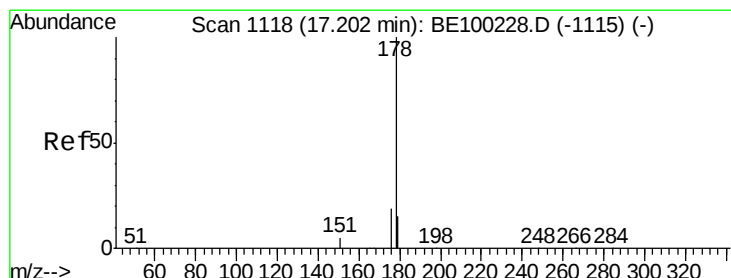
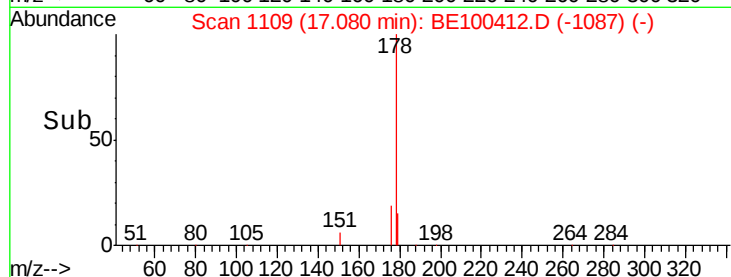
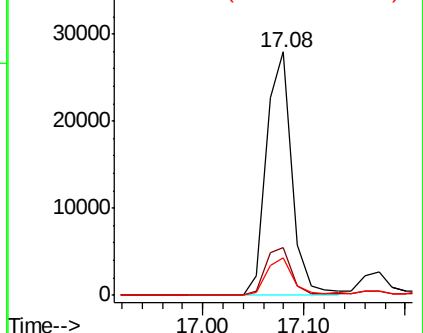
179 15.4 12.6 18.8



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: 0.395 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

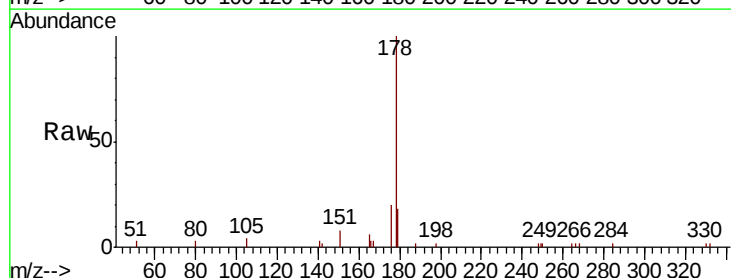
Tgt Ion:178 Resp: 4060

Ion Ratio Lower Upper

178 100

176 23.0 14.5 21.7#

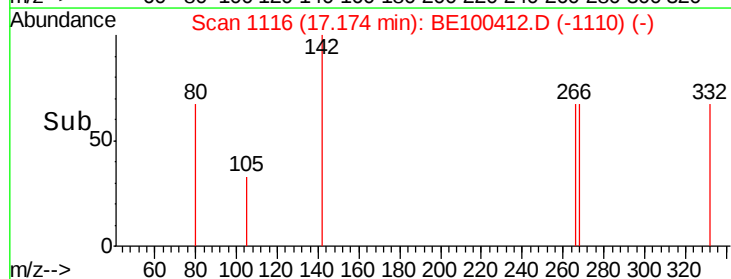
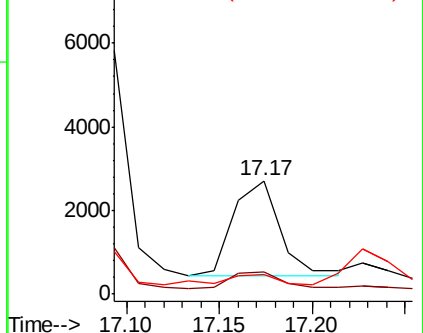
179 11.6 11.6 17.4

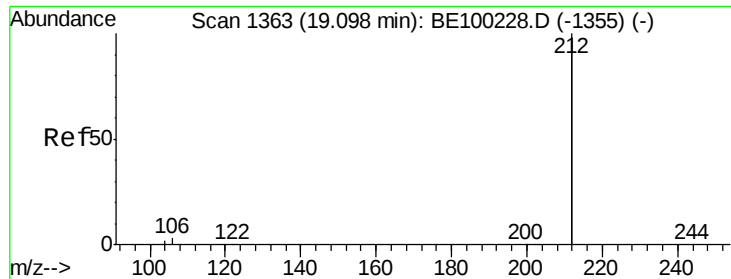


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.040 ng

RT: 19.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

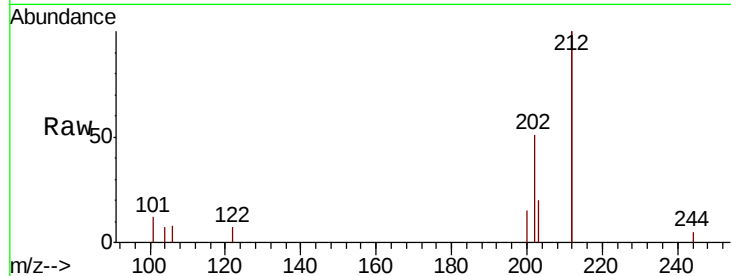
Tot Ion:212 Resp: 2705

Ion Ratio Lower Upper

212 100

106 1.5 1.0 1.4#

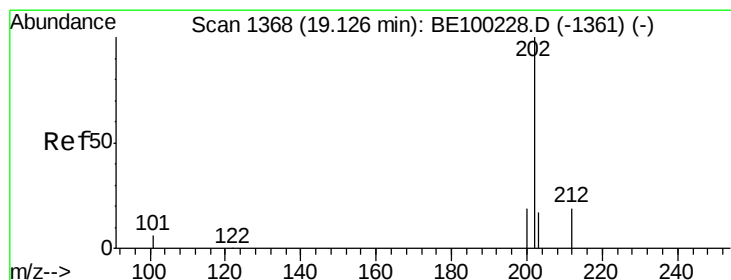
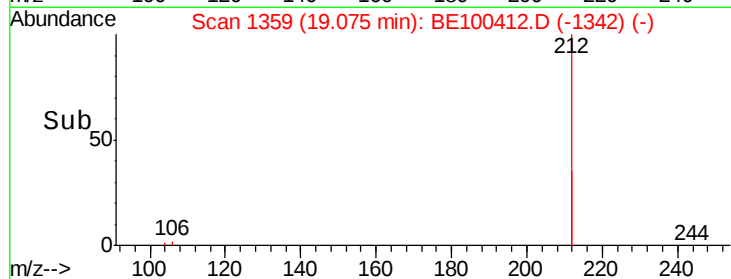
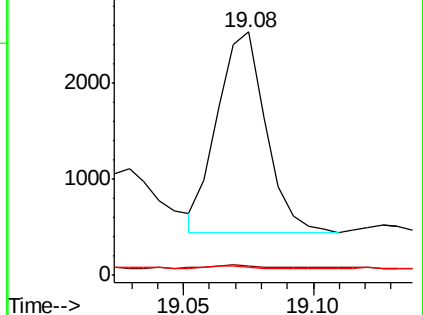
104 1.1 0.6 1.0#



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: 4.947 ng

RT: 19.10 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

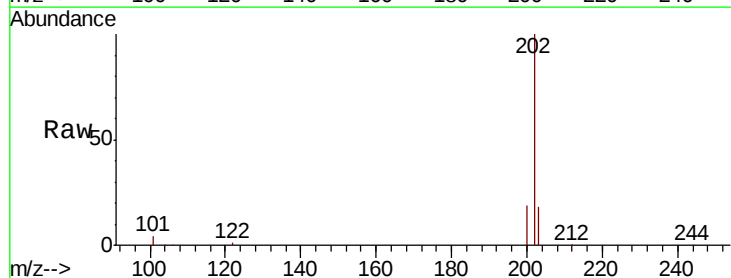
Tgt Ion:202 Resp: 90040

Ion Ratio Lower Upper

202 100

101 4.9 4.2 6.2

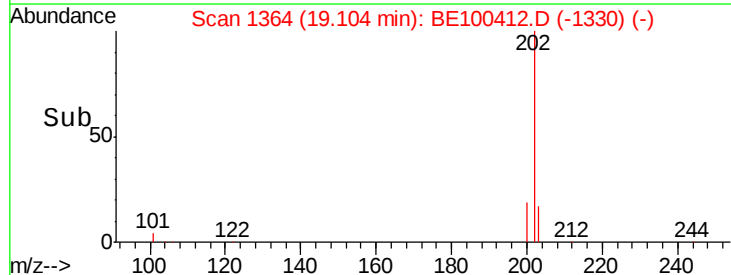
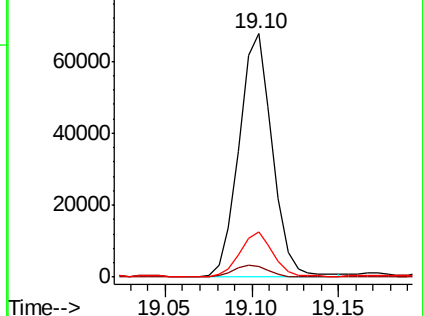
203 17.8 13.7 20.5

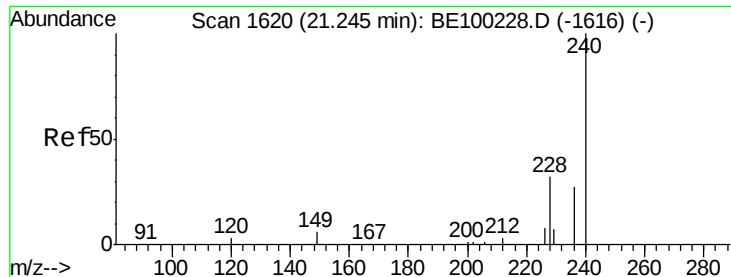


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

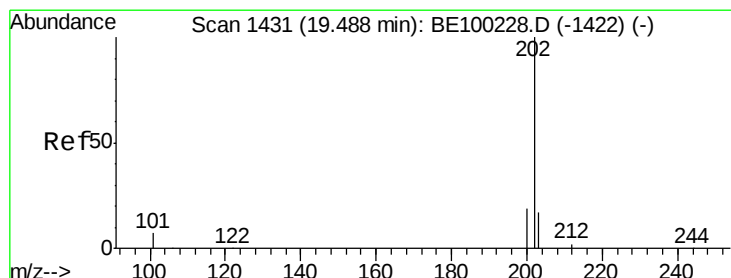
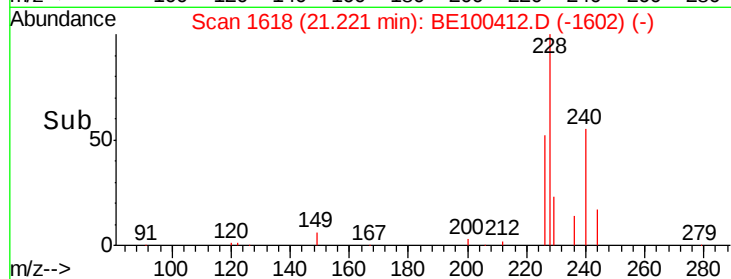
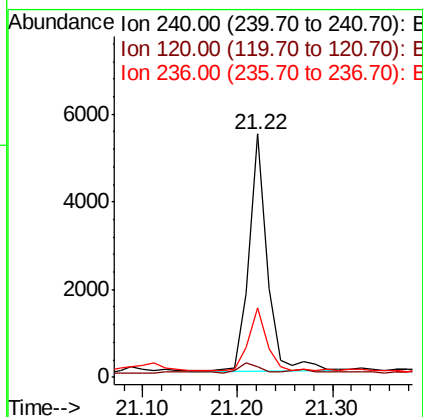
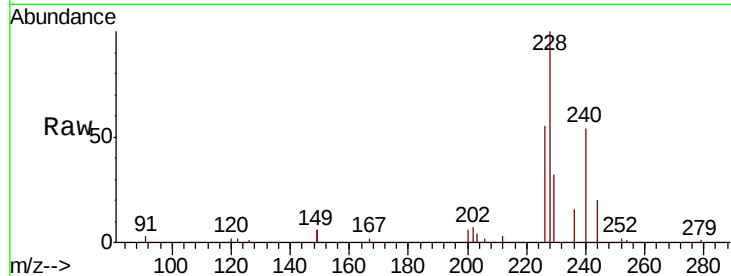




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

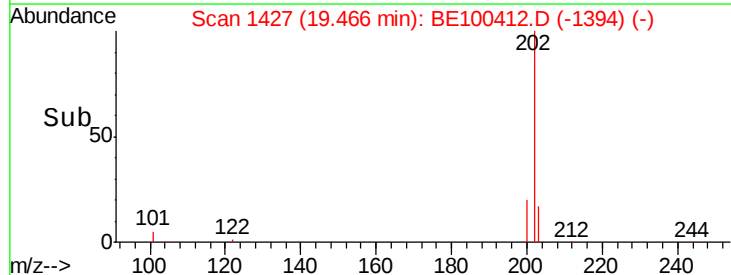
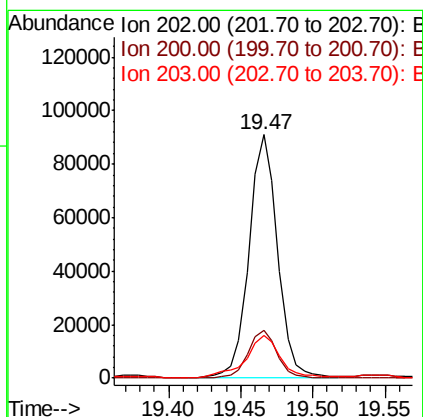
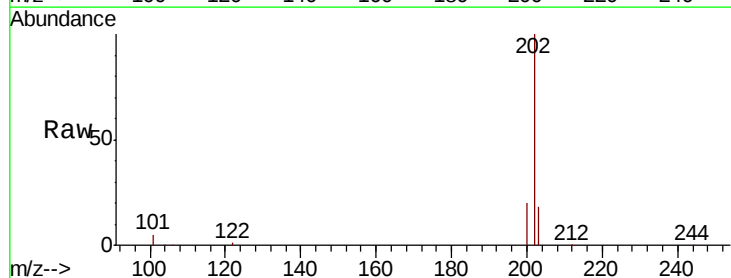
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519DL

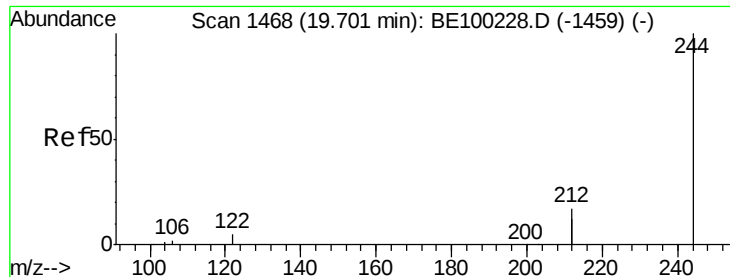
Tot Ion:240 Resp: 7285
Ion Ratio Lower Upper
240 100
120 4.6 5.4 8.2#
236 28.8 23.2 34.8



#28
Pyrene
Concen: 6.488 ng
RT: 19.47 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BE100412.D
Acq: 8 Jul 2019 14:59

Tgt Ion:202 Resp: 125137
Ion Ratio Lower Upper
202 100
200 19.8 15.2 22.8
203 20.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.044 ng

RT: 19.67 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

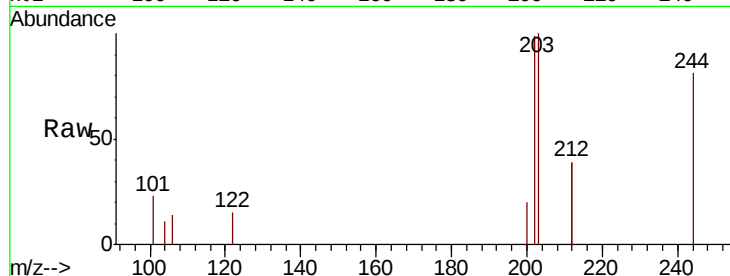
Tot Ion:244 Resp: 670

Ion Ratio Lower Upper

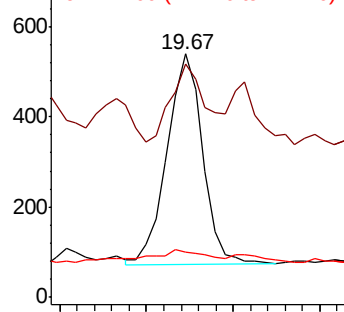
244 100

212 95.7 33.0 49.6#

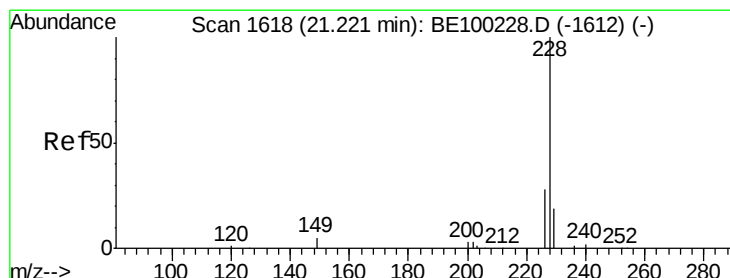
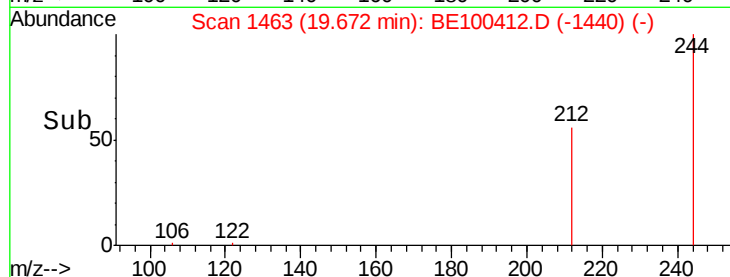
122 18.6 5.8 8.8#



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



Time--> 19.60 19.65 19.70 19.75



#30

Benzo(a)anthracene

Concen: 2.625 ng

RT: 21.21 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

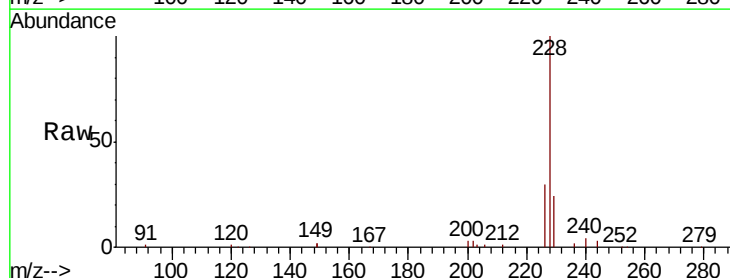
Tgt Ion:228 Resp: 62888

Ion Ratio Lower Upper

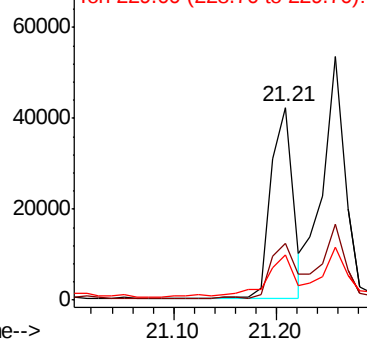
228 100

226 29.7 22.0 33.0

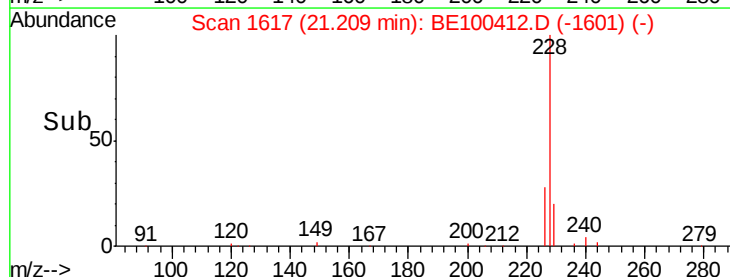
229 23.5 17.4 26.0

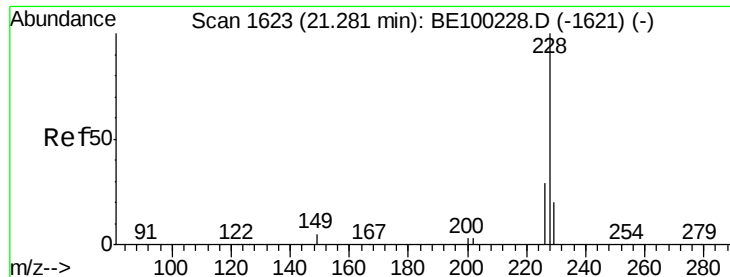


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.10 21.20

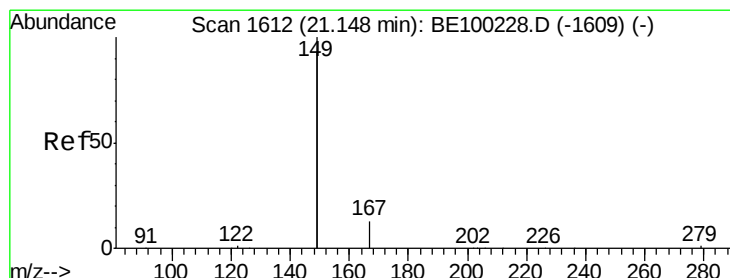
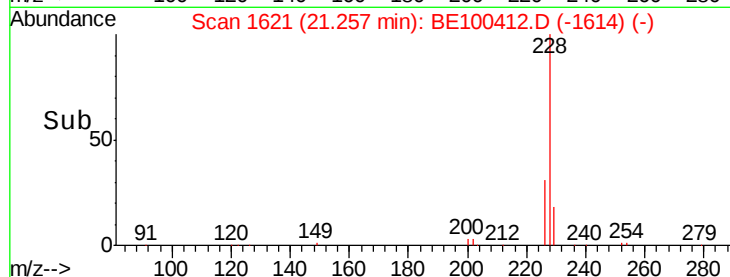
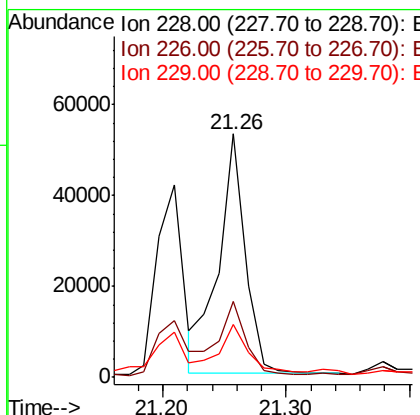
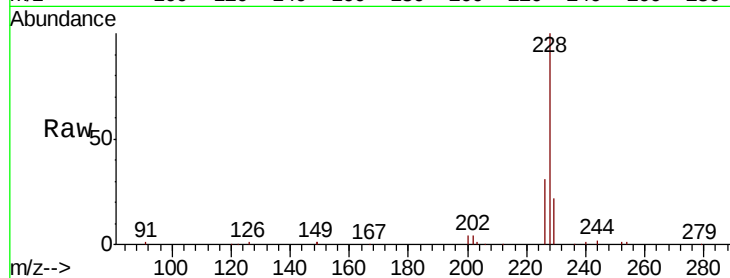




#31
 Chrysene
 Concen: 3.333 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

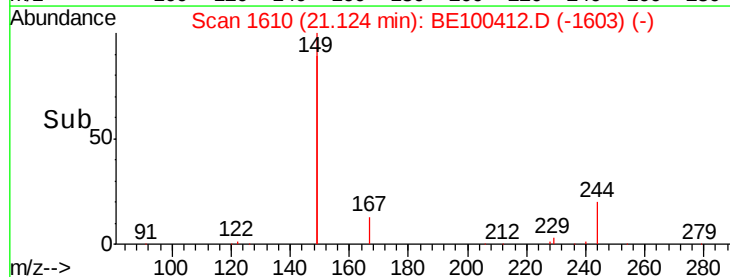
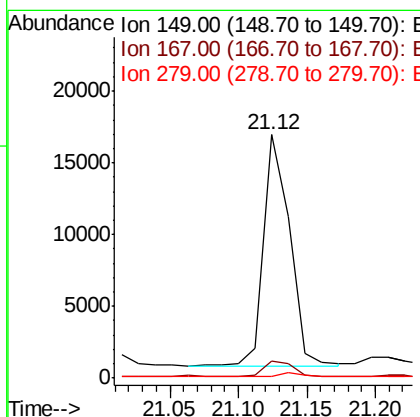
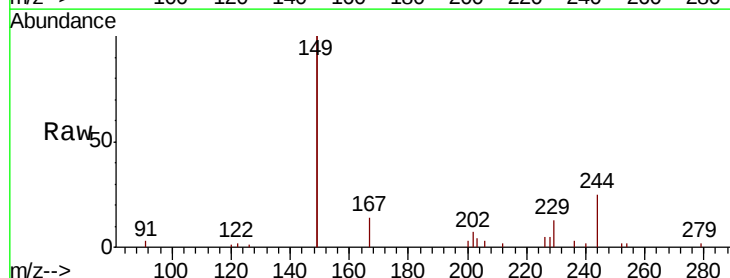
Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

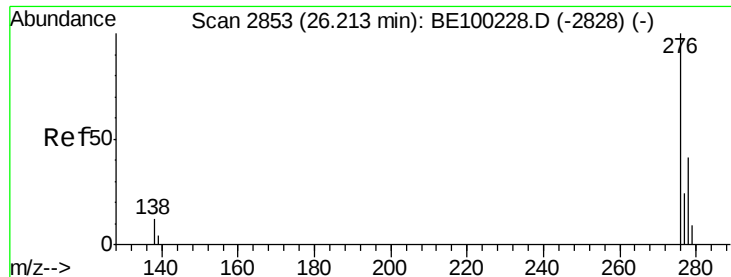
Tot Ion:228 Resp: 80160
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.0 37.6
 229 21.8 16.9 25.3



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.569 ng
 RT: 21.12 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion:149 Resp: 21216
 Ion Ratio Lower Upper
 149 100
 167 7.0 5.7 8.5
 279 1.5 1.4 2.0

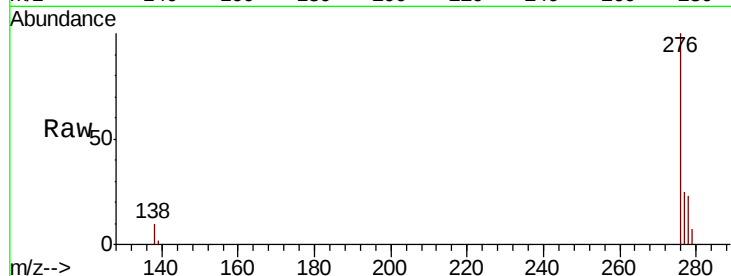




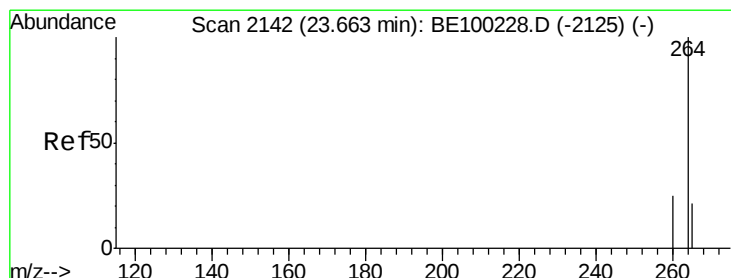
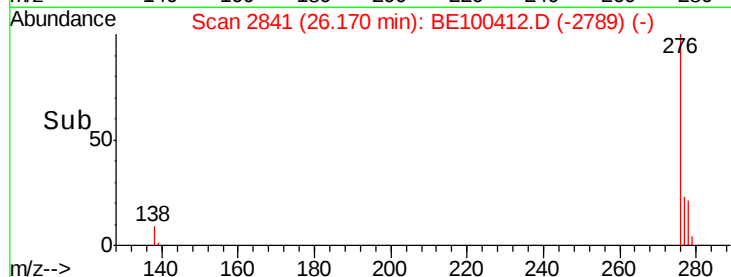
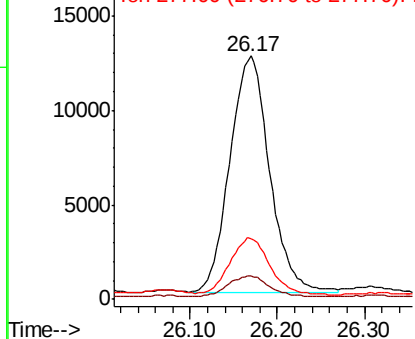
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.239 ng
 RT: 26.17 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519DL

Tot Ion:276 Resp: 39425
 Ion Ratio Lower Upper
 276 100
 138 8.8 7.6 11.4
 277 24.2 20.0 30.0

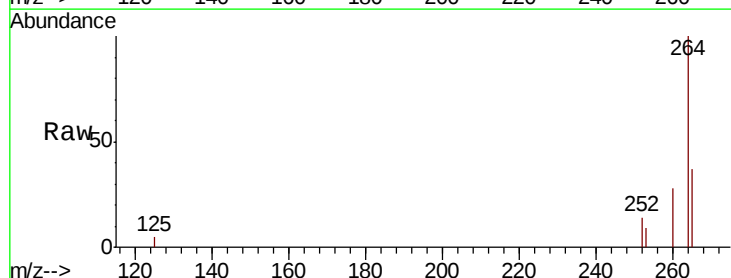


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

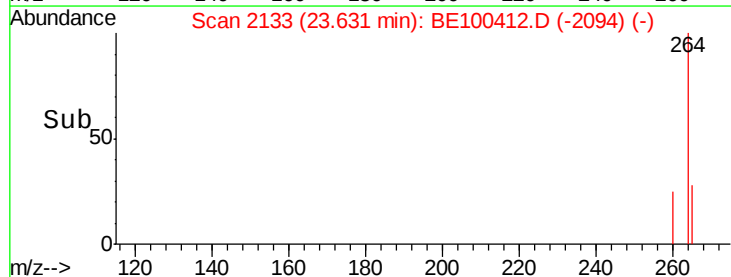
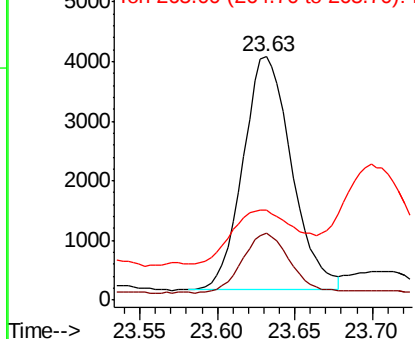


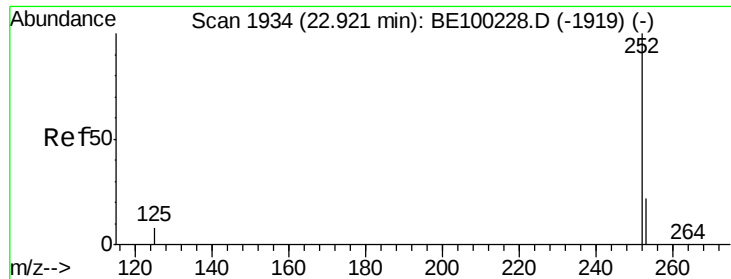
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.63 min Scan# 2133
 Delta R.T. -0.01 min
 Lab File: BE100412.D
 Acq: 8 Jul 2019 14:59

Tgt Ion:264 Resp: 8533
 Ion Ratio Lower Upper
 264 100
 260 27.6 22.0 33.0
 265 36.9 26.0 39.0



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: 3.312 ng

RT: 22.89 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

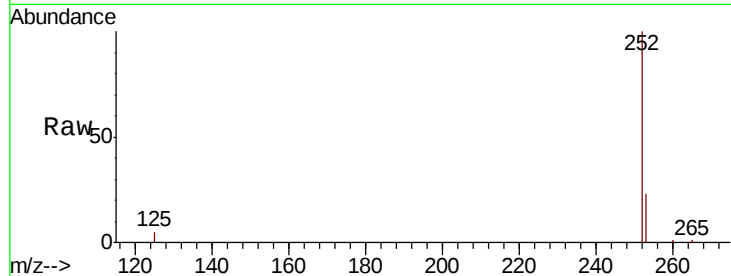
Tot Ion:252 Resp: 76631

Ion Ratio Lower Upper

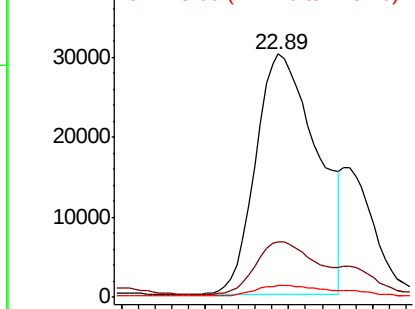
252 100

253 22.9 20.0 30.0

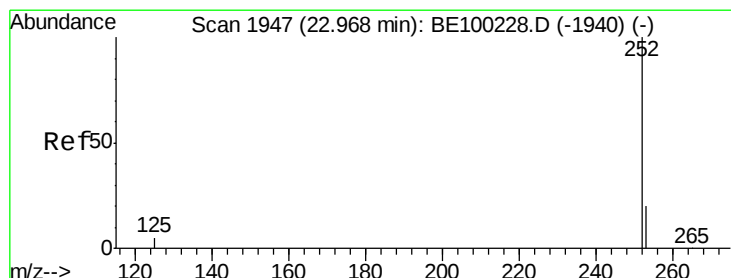
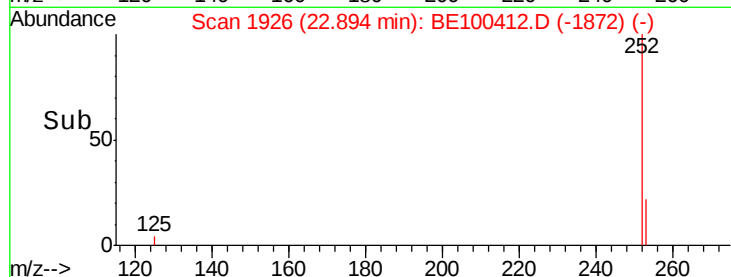
125 4.8 6.3 9.5#



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



Time--> 22.80 22.85 22.90 22.95



#36

Benzo(k)fluoranthene

Concen: 0.410 ng

RT: 23.08 min Scan# 1979

Delta R.T. 0.14 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

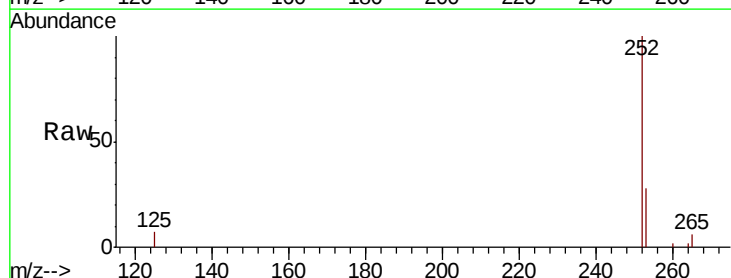
Tgt Ion:252 Resp: 10590

Ion Ratio Lower Upper

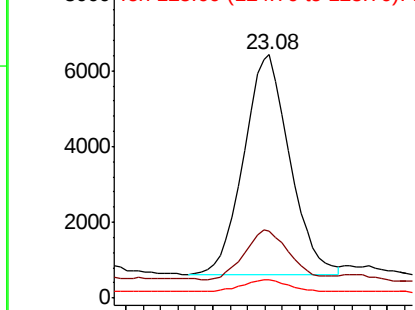
252 100

253 27.5 19.5 29.3

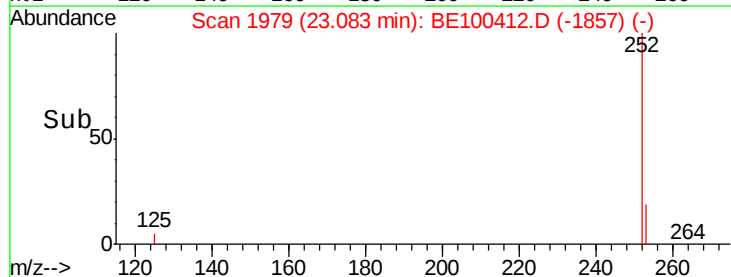
125 7.3 5.4 8.0

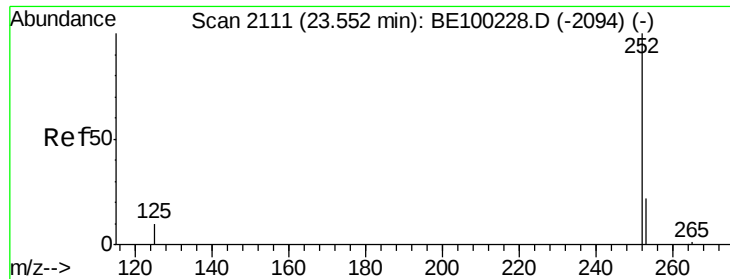


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 23.00 23.05 23.10





#37

Benzo(a)pyrene

Concen: 0.497 ng

RT: 23.68 min Scan# 2148

Delta R.T. 0.15 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

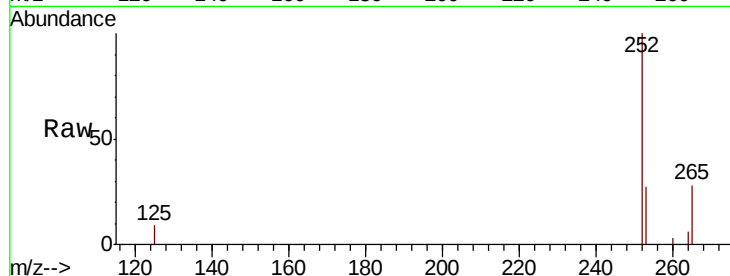
Tot Ion:252 Resp: 11535

Ion Ratio Lower Upper

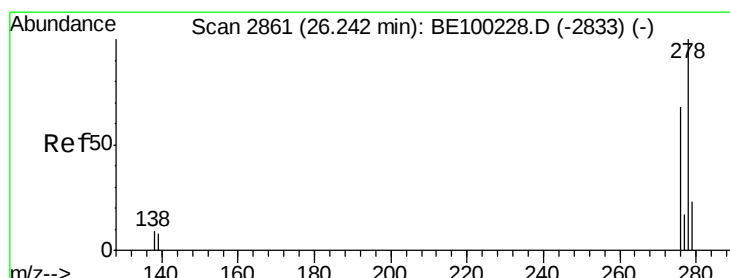
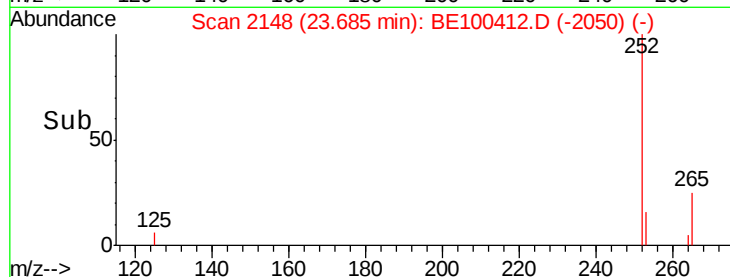
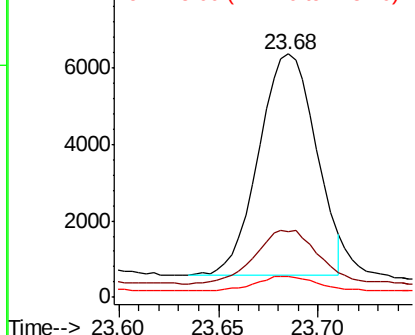
252 100

253 27.1 21.0 31.6

125 8.8 7.8 11.8



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: 0.432 ng

RT: 26.18 min Scan# 2843

Delta R.T. -0.03 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

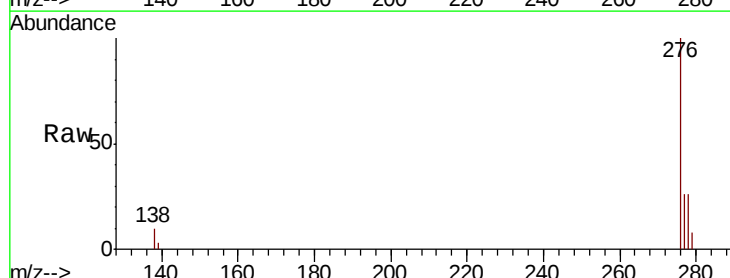
Tgt Ion:278 Resp: 10464

Ion Ratio Lower Upper

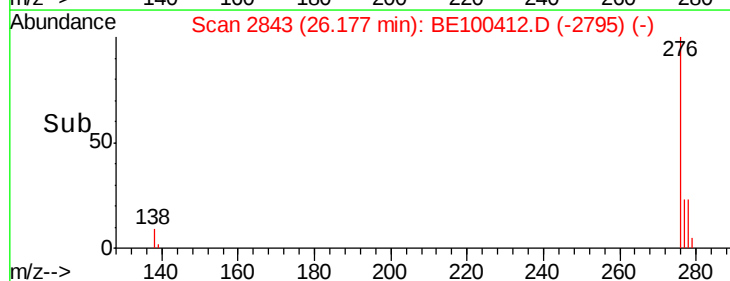
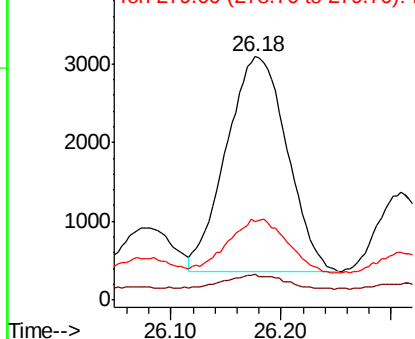
278 100

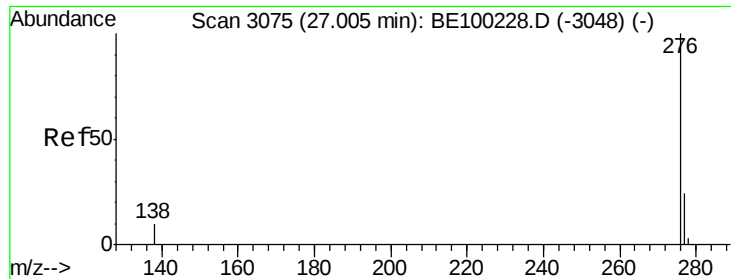
139 10.4 9.8 14.8

279 32.1 22.6 34.0



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(a,h,i)perylene

Concen: 1.876 ng

RT: 26.95 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BE100412.D

Acq: 8 Jul 2019 14:59

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519DL

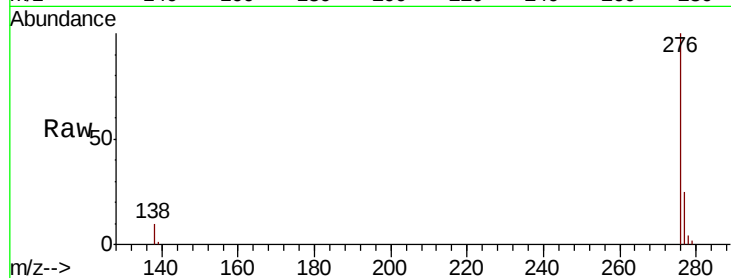
Tot Ion: 276 Resp: 46663

Ion Ratio Lower Upper

276 100

277 24.5 20.7 31.1

138 9.6 10.2 15.2#



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

