

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100310.D
 Acq On : 2 Jul 2019 19:51
 Operator : JU/SJ
 Sample : K3446-15DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819DL

Quant Time: Jul 03 02:13:54 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

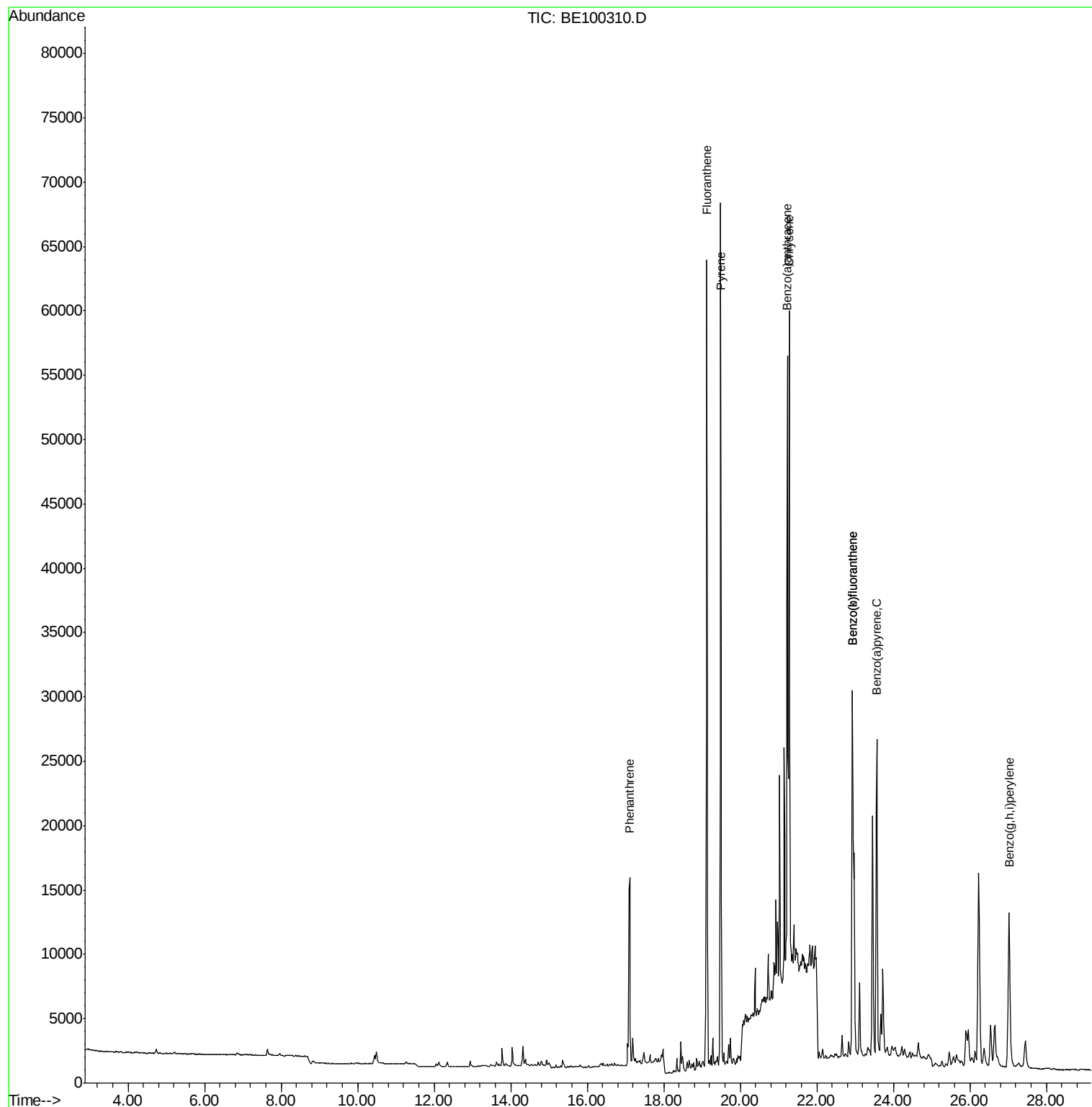
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	352	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	1282	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	1039	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	2917	0.40	ng	0.00
27) Chrysene-d12	21.25	240	3776	0.40	ng	0.00
34) Perylene-d12	23.67	264	4220	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	124	0.14	ng	0.00
5) Phenol-d6	6.84	99	137	0.12	ng	0.00
8) Nitrobenzene-d5	8.83	82	158	0.12	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	401	0.17	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	96	0.13	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	562	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	6498	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	1412	0.18	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.11	178	18903	2.674	ng	99
26) Fluoranthene	19.13	202	60857	5.404	ng	99
28) Pyrene	19.49	202	62319	6.234	ng	96
30) Benzo(a)anthracene	21.23	228	46400	3.737	ng	97
31) Chrysene	21.28	228	42443	3.404	ng	97
35) Benzo(b)fluoranthene	22.93	252	54610	4.773	ng	# 98
36) Benzo(k)fluoranthene	22.93	252	54610	4.276	ng	96
37) Benzo(a)pyrene	23.57	252	38774	3.381	ng	# 96
39) Benzo(g,h,i)perylene	27.02	276	30531	2.482	ng	99

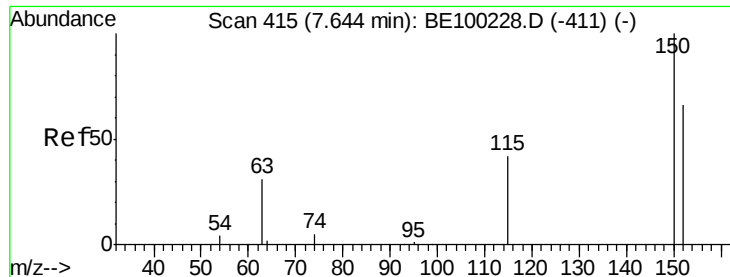
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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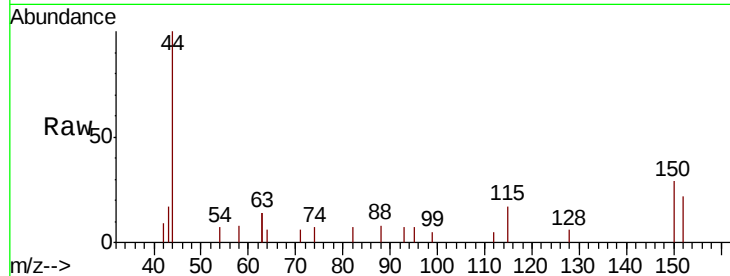


#1

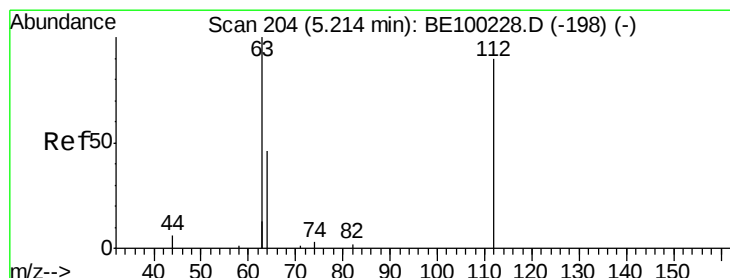
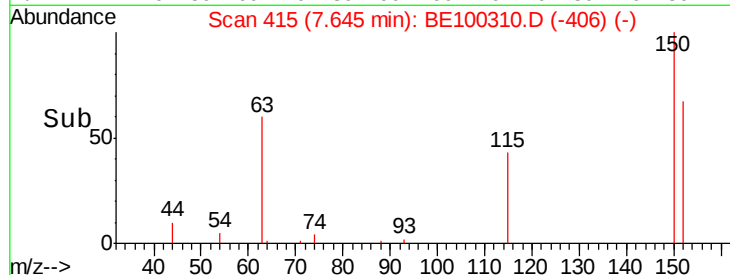
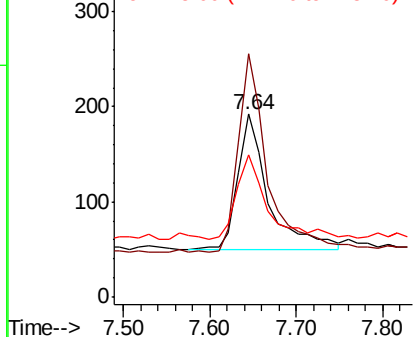
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tgt Ion:152 Resp: 352
Ion Ratio Lower Upper
152 100
150 133.3 114.5 171.7
115 78.1 57.1 85.7



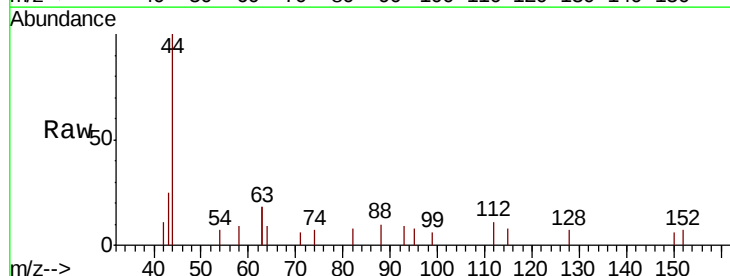
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



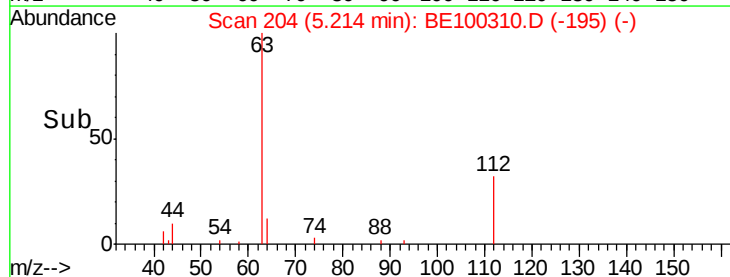
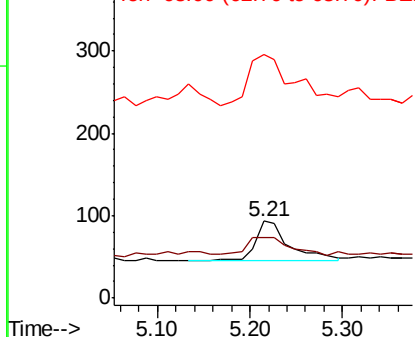
#4

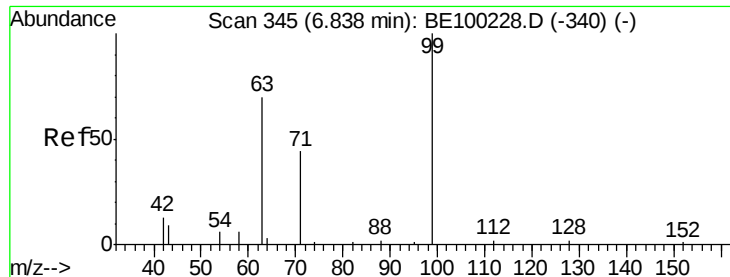
2-Fluorophenol
Concen: 0.138 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion:112 Resp: 124
Ion Ratio Lower Upper
112 100
64 56.5 39.4 59.0
63 187.1 104.5 156.7#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.116 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW114-061819DL

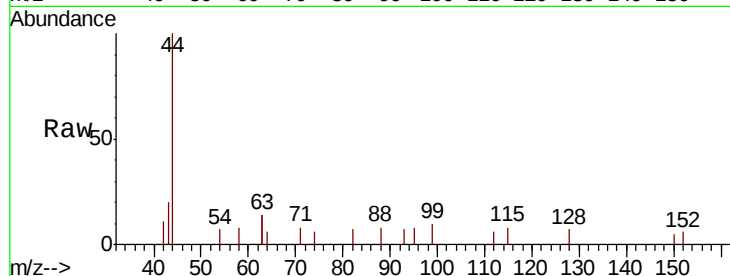
Tgt Ion: 99 Resp: 137

Ion Ratio Lower Upper

99 100

42 0.0 11.2 16.8#

71 38.7 37.2 55.8



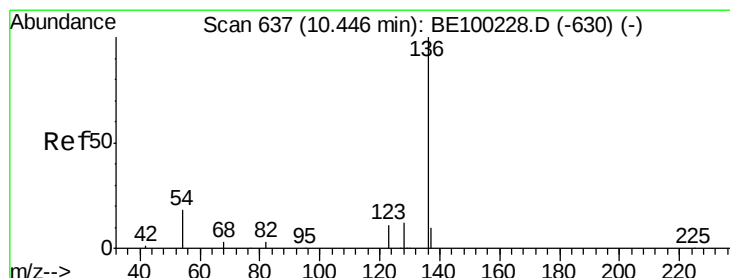
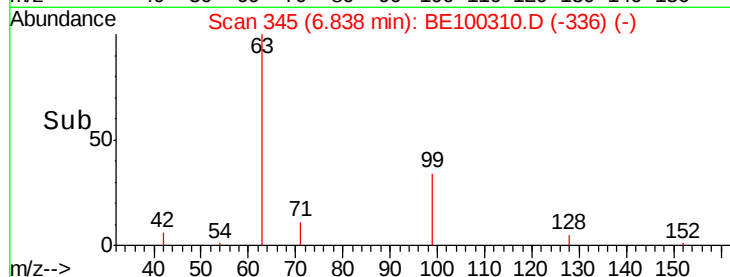
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

6.84

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Tgt Ion: 136 Resp: 1282

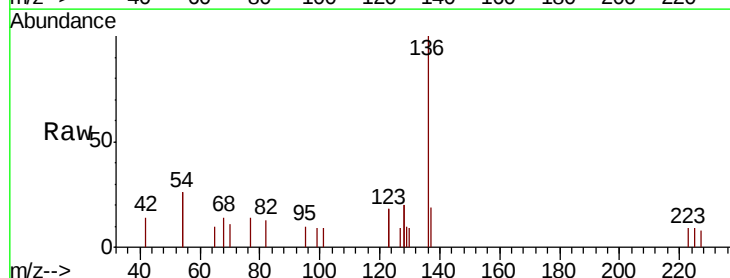
Ion Ratio Lower Upper

136 100

137 18.9 11.8 17.8#

54 52.4 27.7 41.5#

68 14.4 6.8 10.2#



Abundance Ion 136.00 (135.70 to 136.70): BE1

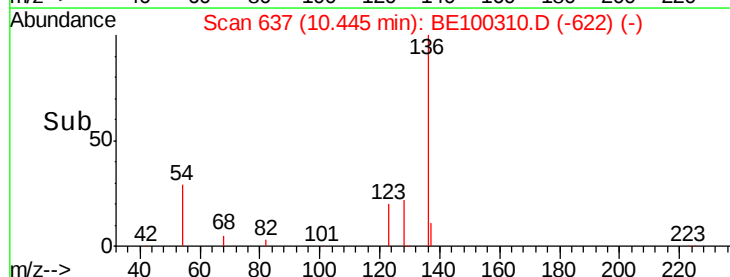
Ion 137.00 (136.70 to 137.70): BE1

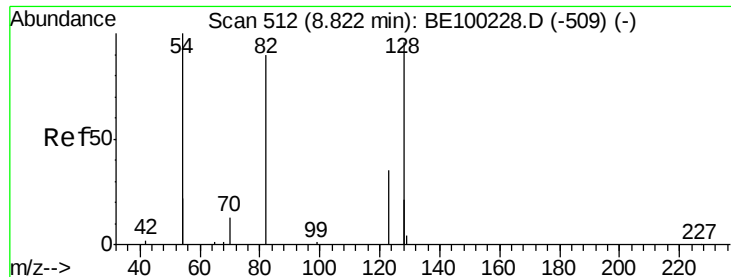
Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1

10.44

Time-->





#8

Nitrobenzene-d5

Concen: 0.124 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW114-061819DL

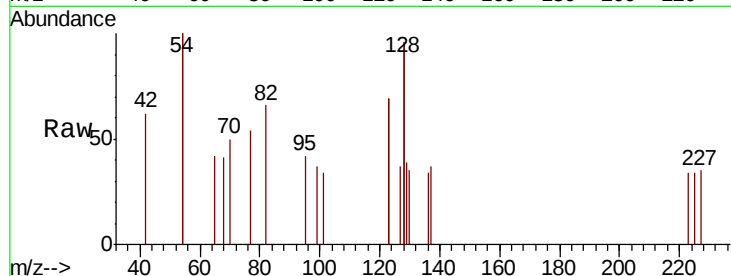
Tgt Ion: 82 Resp: 158

Ion Ratio Lower Upper

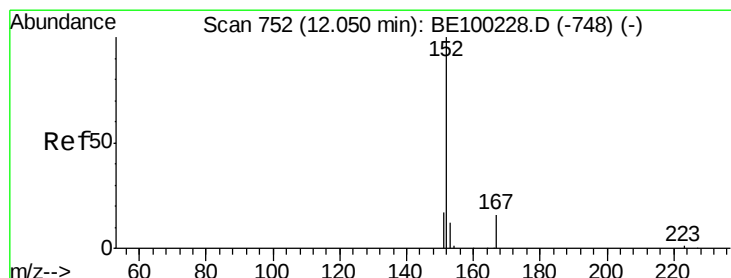
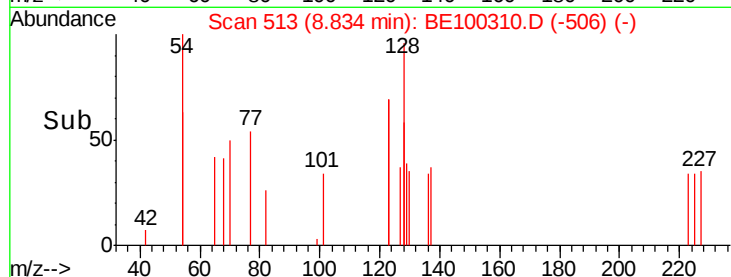
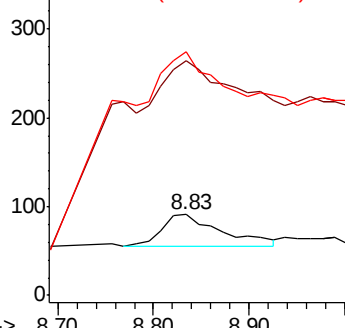
82 100

128 290.1 140.9 211.3#

54 301.1 146.2 219.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.166 ng

RT: 12.05 min Scan# 752

Delta R.T. -0.00 min

Lab File: BE100310.D

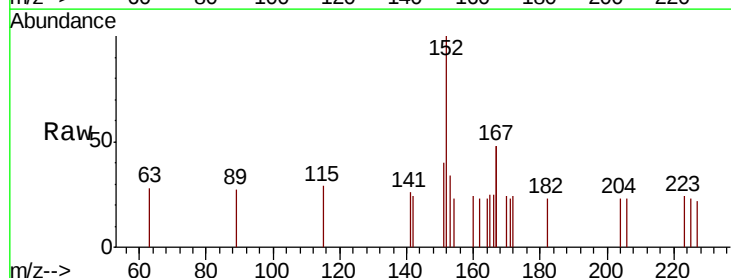
Acq: 2 Jul 2019 19:51

Tgt Ion: 152 Resp: 401

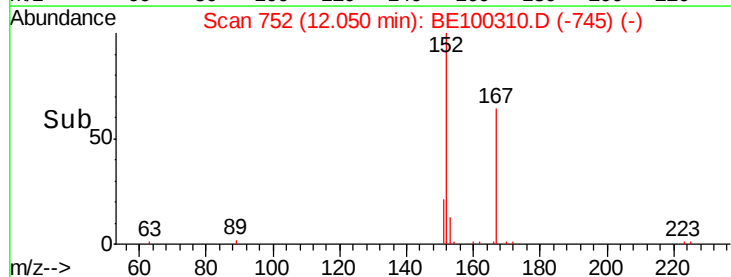
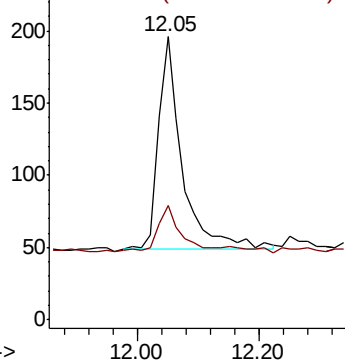
Ion Ratio Lower Upper

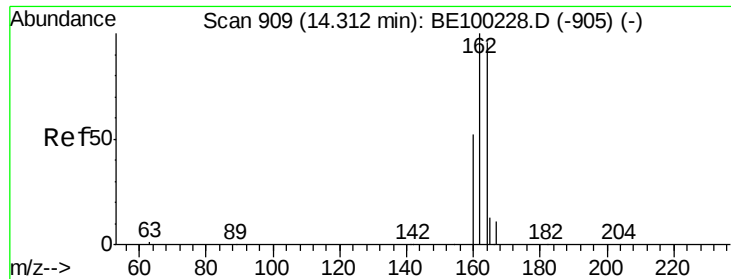
152 100

151 18.5 15.1 22.7



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

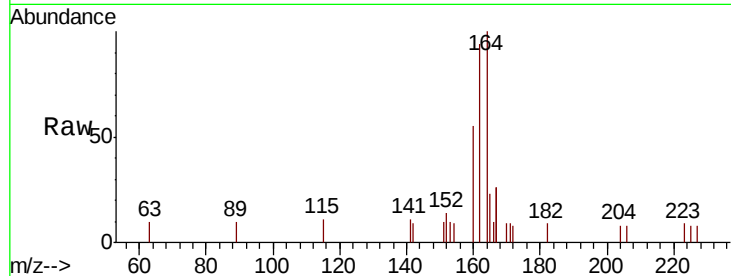




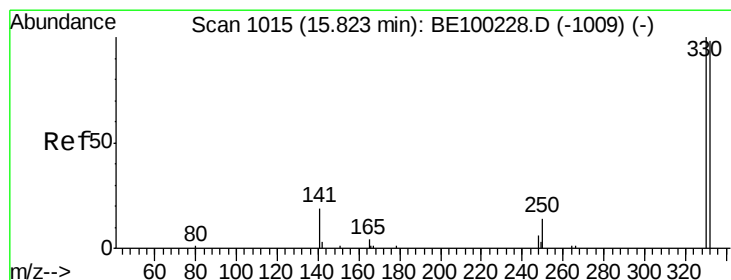
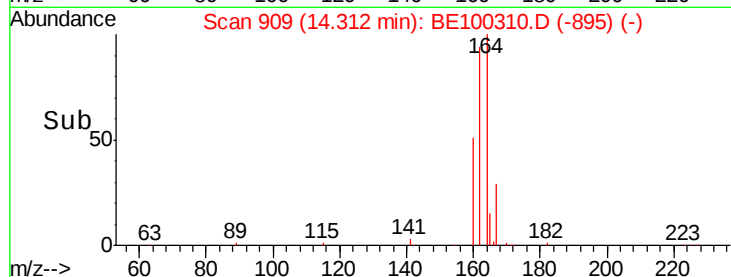
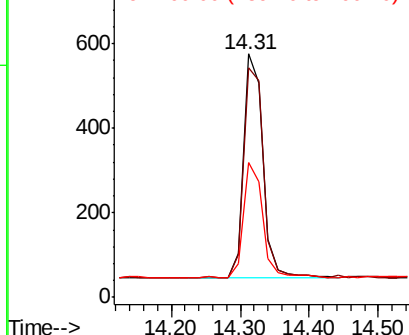
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tgt Ion:164 Resp: 1039
Ion Ratio Lower Upper
164 100
162 94.4 83.4 125.0
160 55.2 45.0 67.6

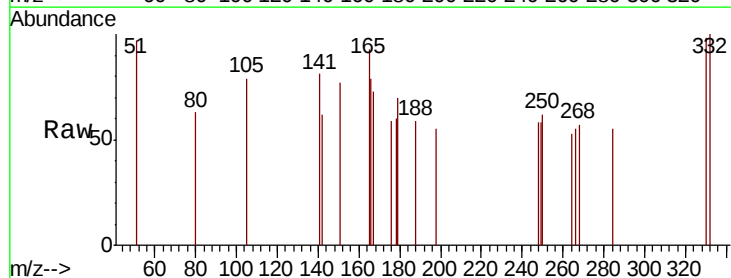


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

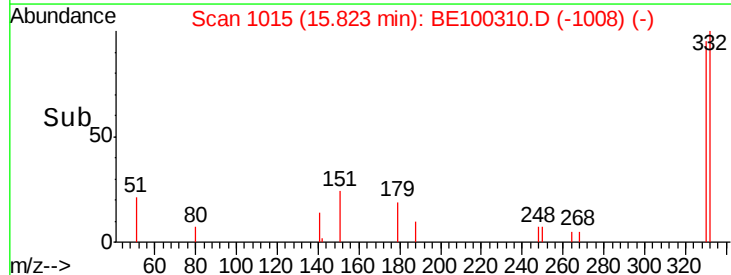
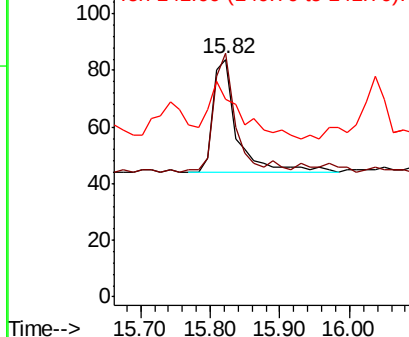


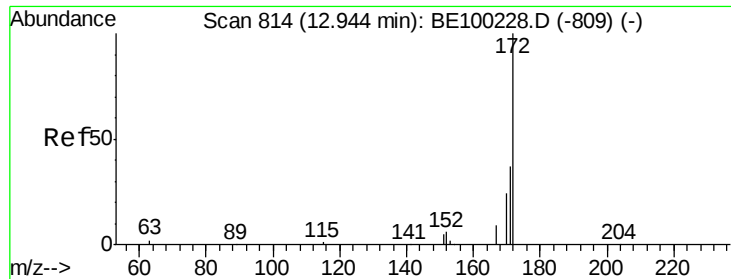
#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion:330 Resp: 96
Ion Ratio Lower Upper
330 100
332 92.7 77.0 115.4
141 64.6 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

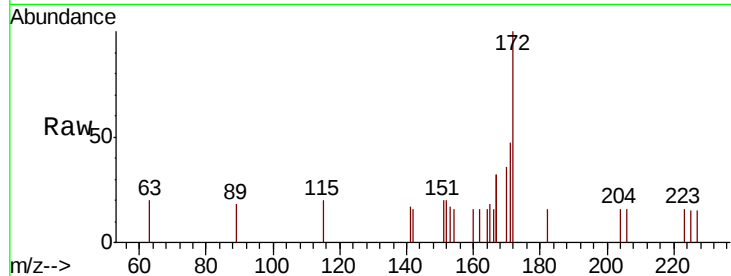




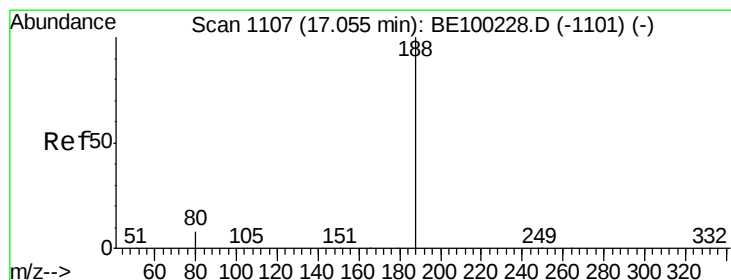
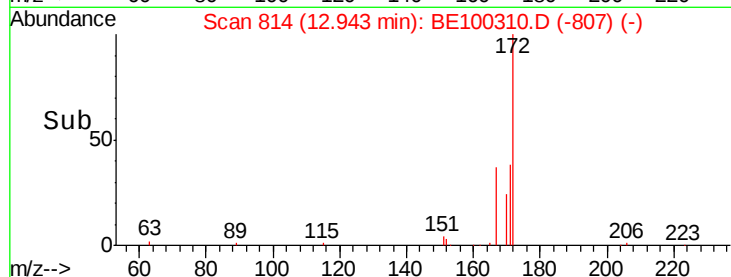
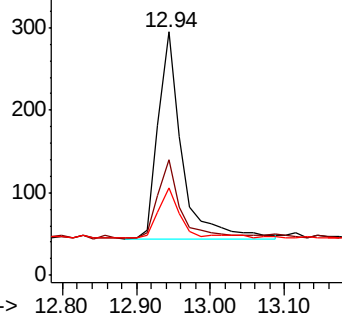
#15
2-Fluorobiphenyl
Concen: 0.139 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tgt Ion:172 Resp: 562
Ion Ratio Lower Upper
172 100
171 47.5 31.9 47.9
170 35.9 22.2 33.2#

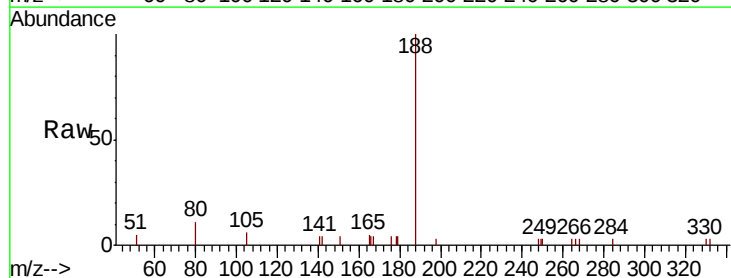


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

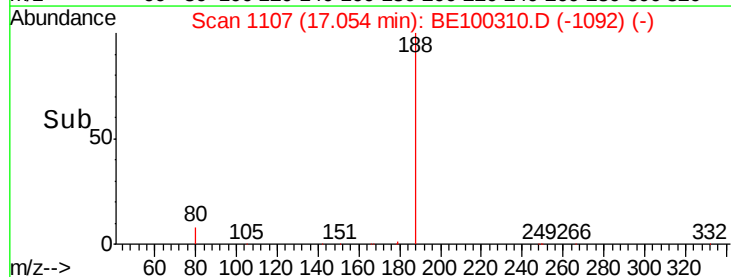
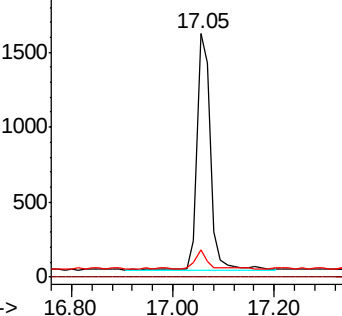


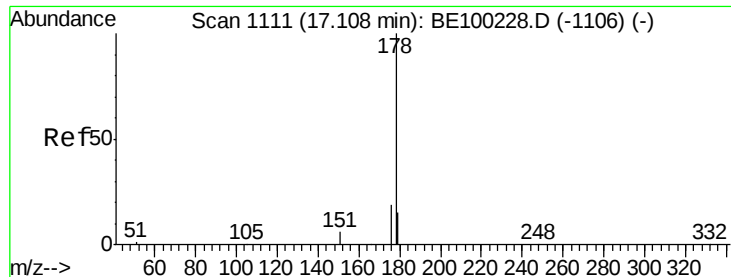
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion:188 Resp: 2917
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 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





#23

Phenanthrene

Concen: 2.674 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW114-061819DL

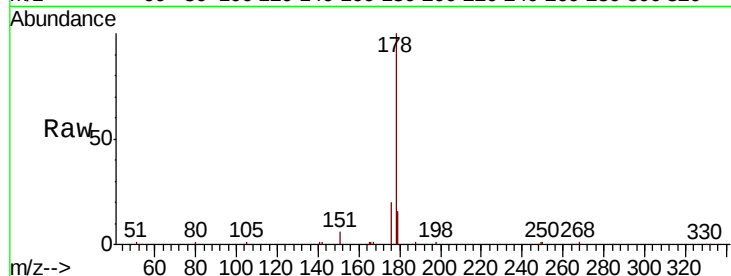
Tgt Ion:178 Resp: 18903

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

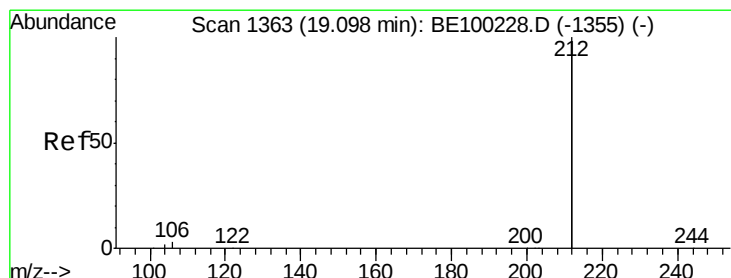
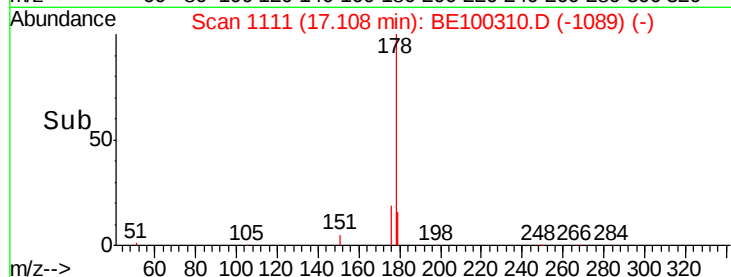
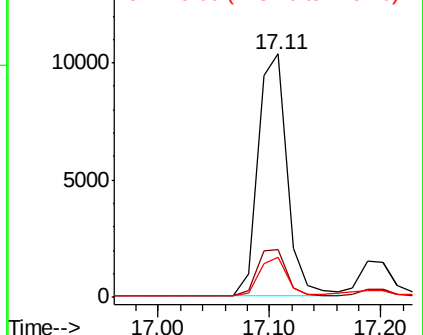
179 15.5 12.2 18.2



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



#25

Fluoranthene-d10

Concen: 0.153 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

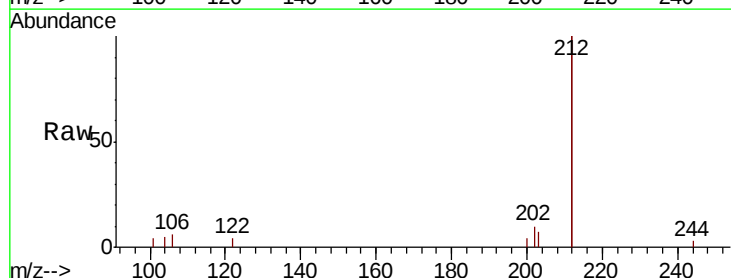
Tgt Ion:212 Resp: 6498

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

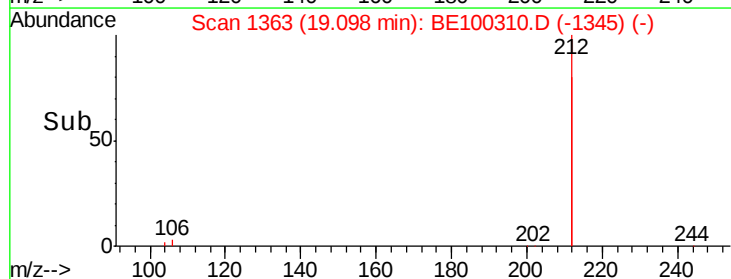
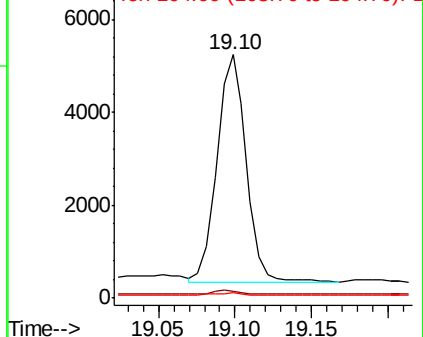
104 1.1 0.8 1.2

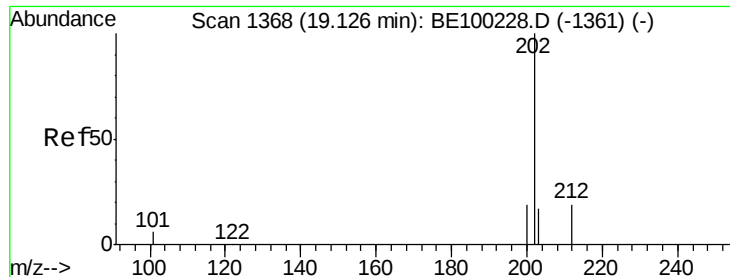


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

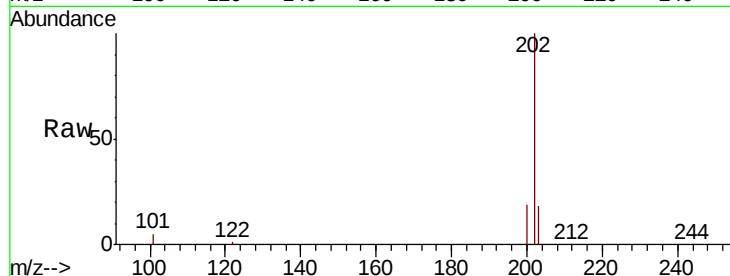




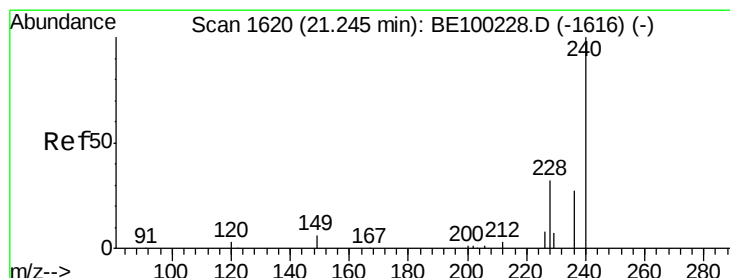
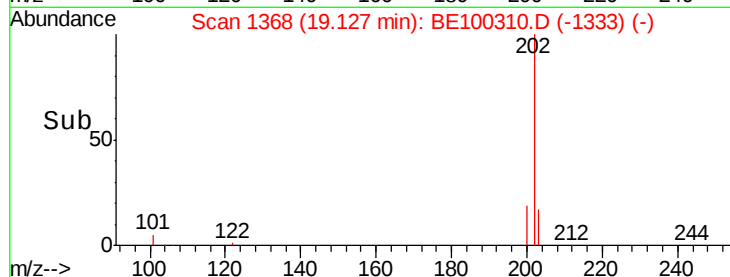
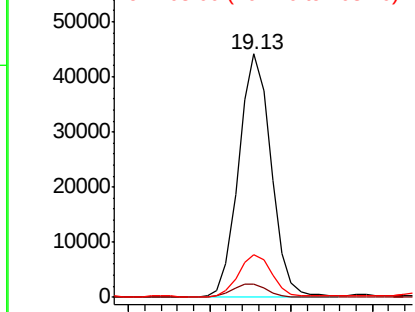
#26
Fluoranthene
Concen: 5.404 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tgt Ion: 202 Resp: 60857
Ion Ratio Lower Upper
202 100
101 5.5 4.6 7.0
203 17.5 13.7 20.5

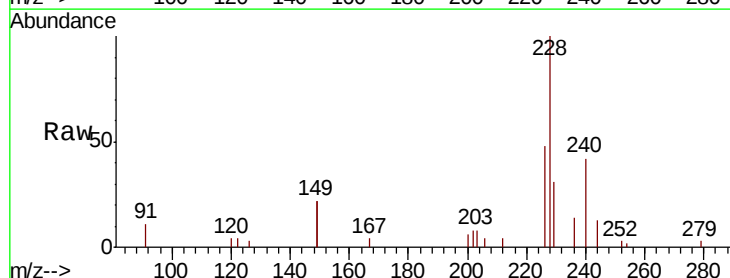


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

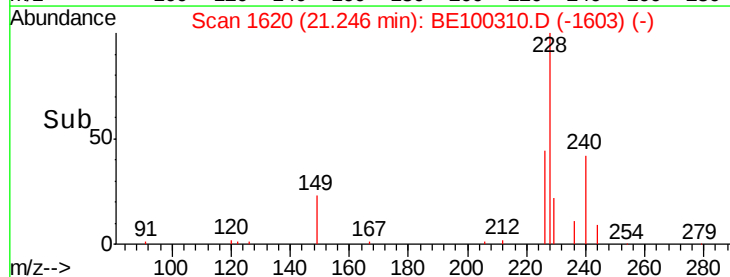
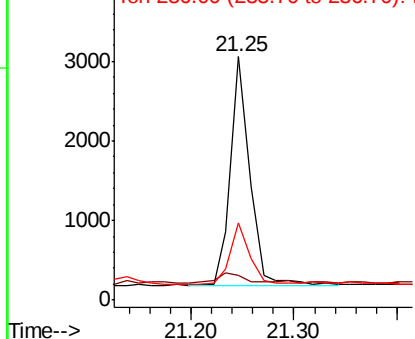


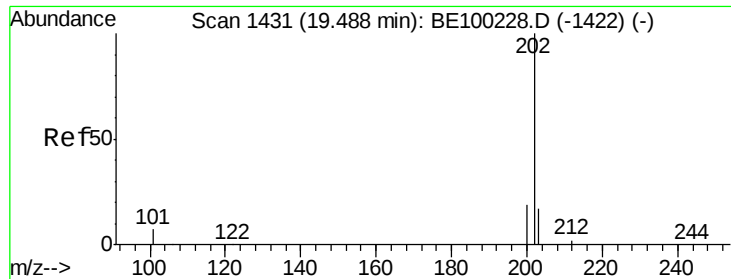
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion: 240 Resp: 3776
Ion Ratio Lower Upper
240 100
120 10.4 3.3 4.9#
236 31.9 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

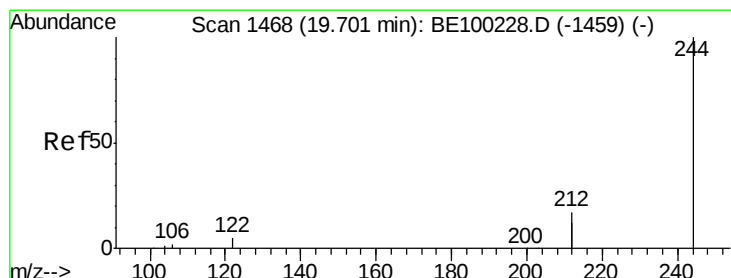
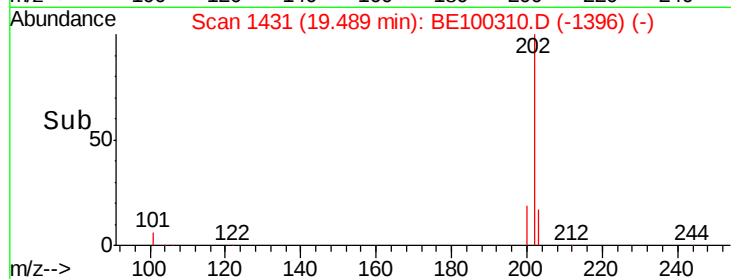
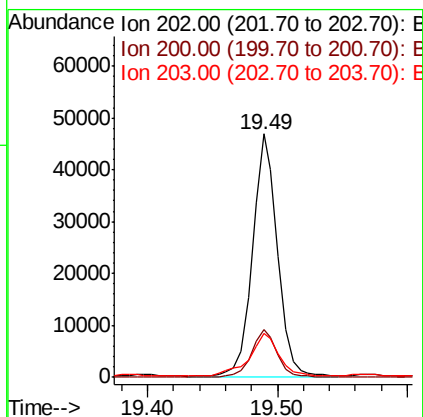
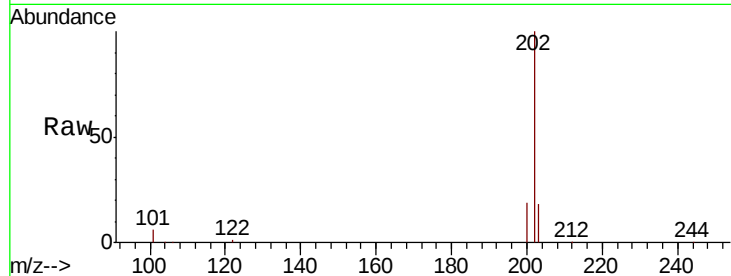




#28
 Pyrene
 Concen: 6.234 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

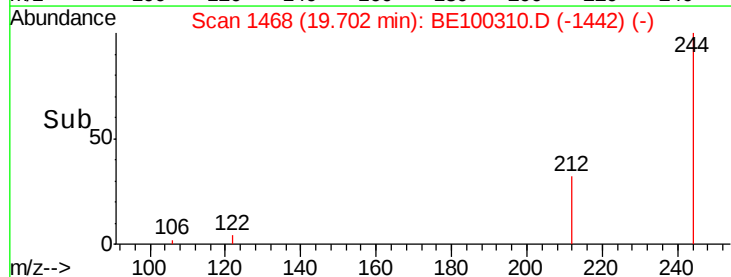
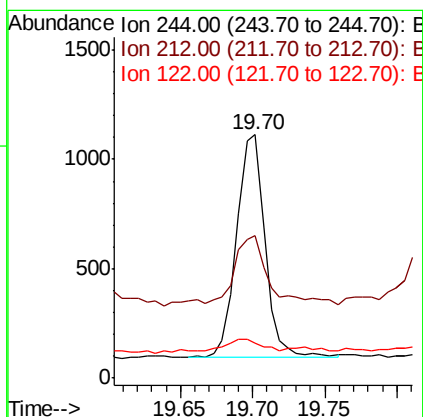
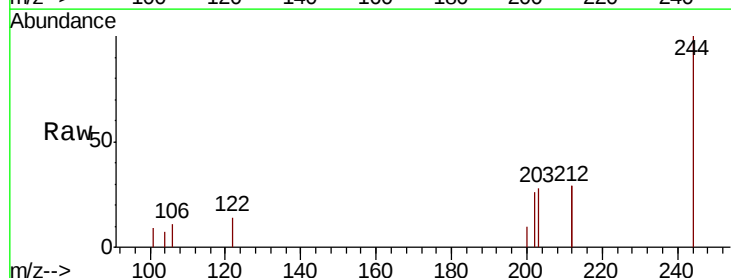
Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819DL

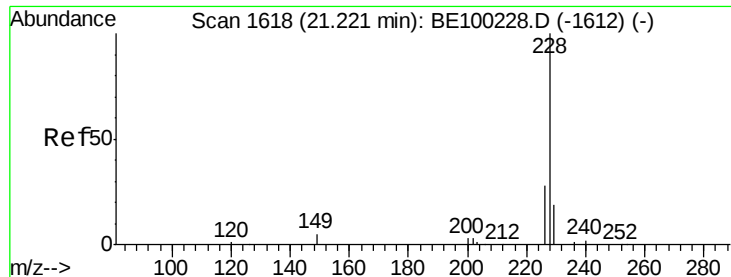
Tgt Ion: 202 Resp: 62319
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.6 23.4
 203 20.7 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.180 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

Tgt Ion: 244 Resp: 1412
 Ion Ratio Lower Upper
 244 100
 212 58.8 27.3 40.9#
 122 14.4 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 3.737 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW114-061819DL

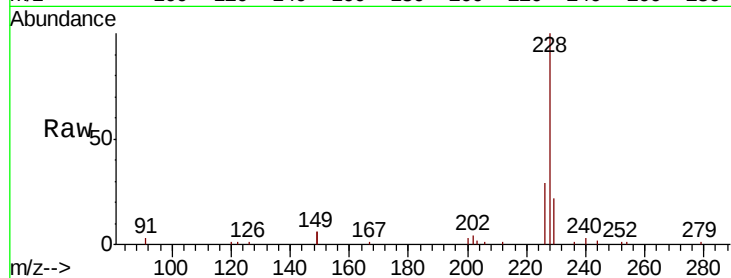
Tgt Ion:228 Resp: 46400

Ion Ratio Lower Upper

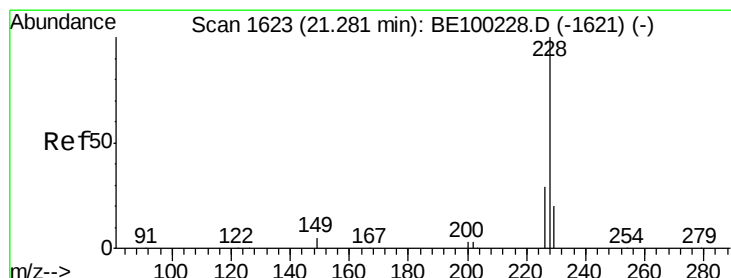
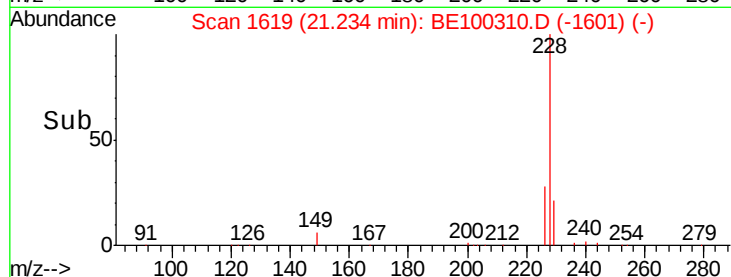
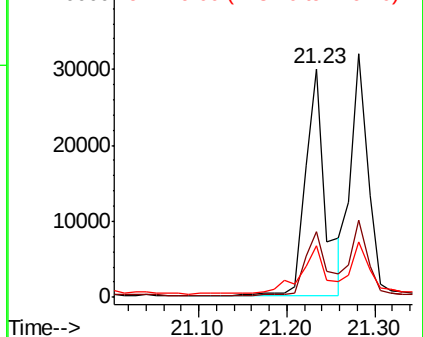
228 100

226 28.9 23.2 34.8

229 22.4 15.7 23.5



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



#31

Chrysene

Concen: 3.404 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

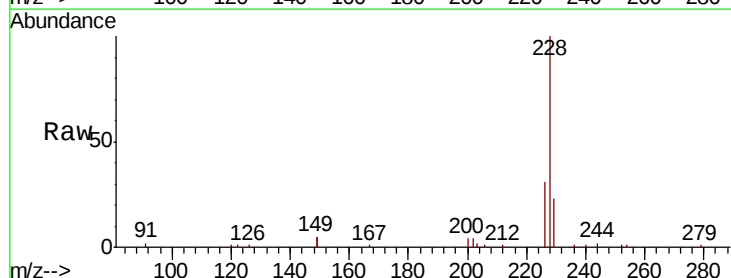
Tgt Ion:228 Resp: 42443

Ion Ratio Lower Upper

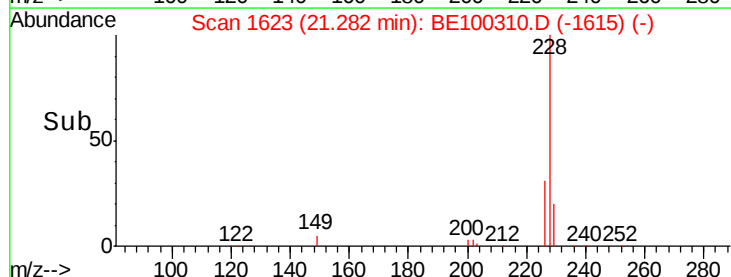
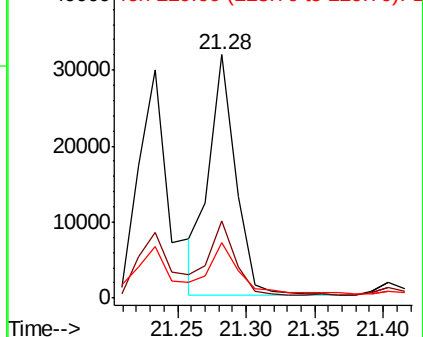
228 100

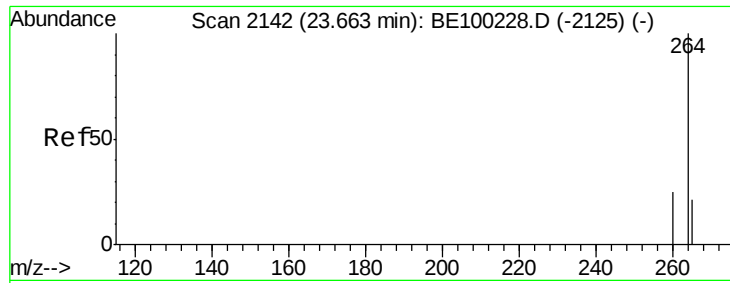
226 31.5 23.9 35.9

229 22.6 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

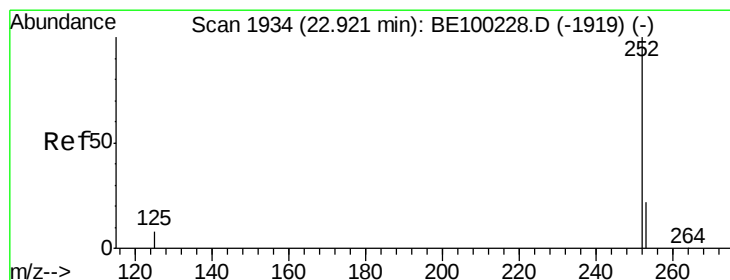
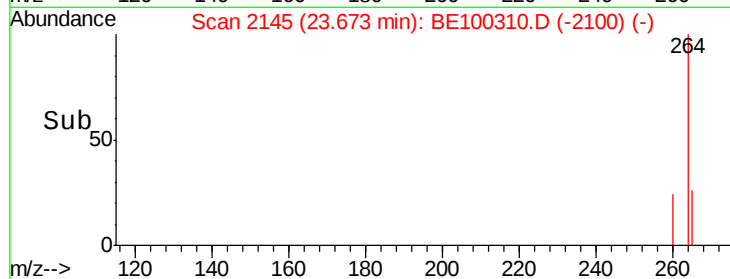
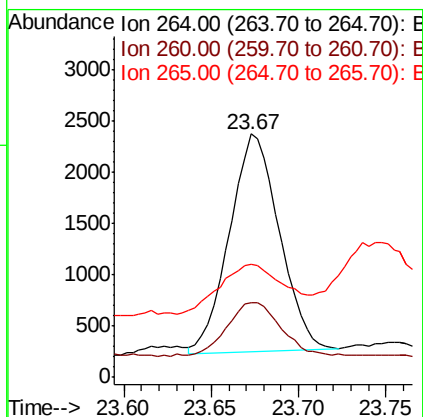
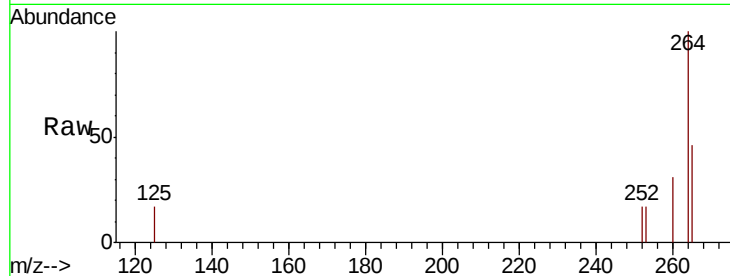




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

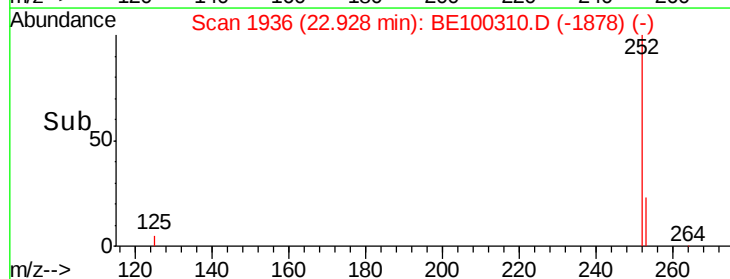
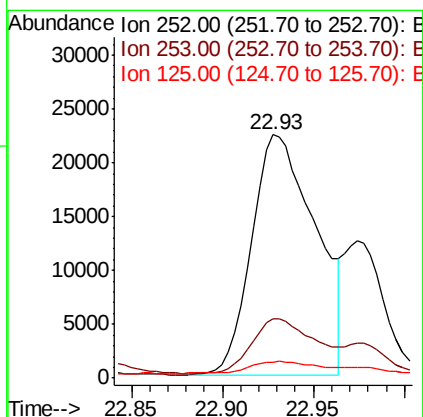
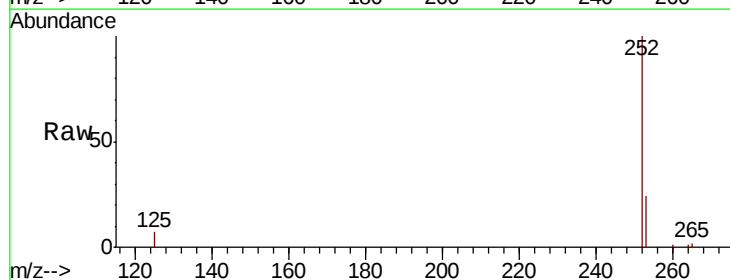
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

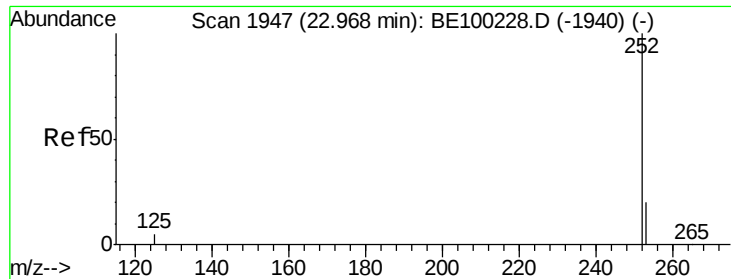
Tgt Ion: 264 Resp: 4220
Ion Ratio Lower Upper
264 100
260 30.7 20.8 31.2
265 46.3 21.8 32.6#



#35
Benzo(b)fluoranthene
Concen: 4.773 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion: 252 Resp: 54610
Ion Ratio Lower Upper
252 100
253 24.4 19.2 28.8
125 6.7 7.4 11.0#

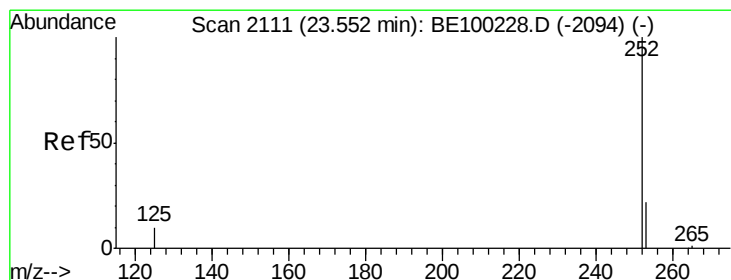
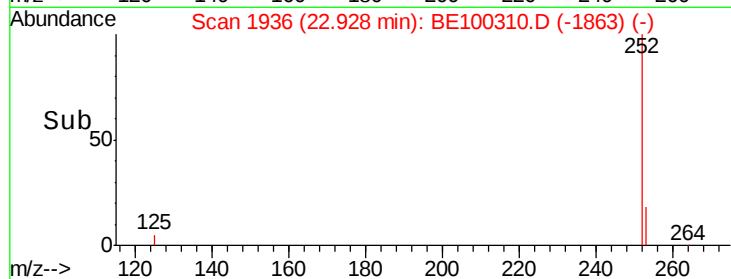
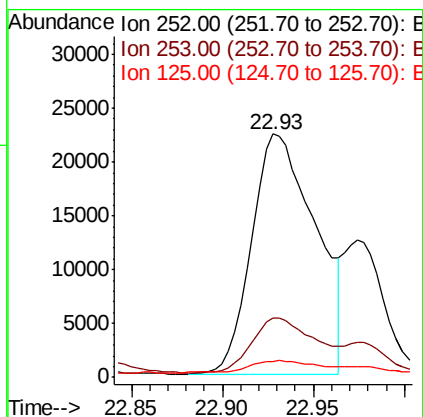
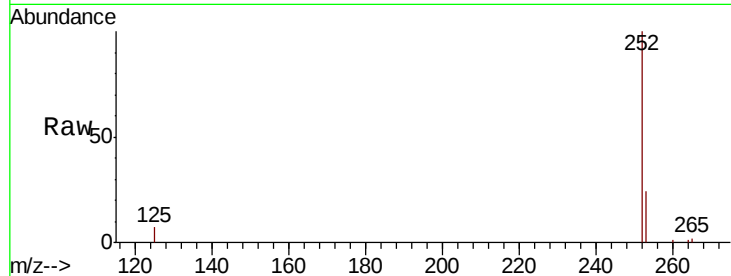




#36
Benzo(k)fluoranthene
Concen: 4.276 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

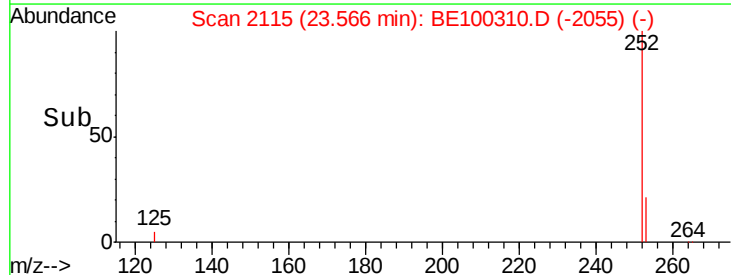
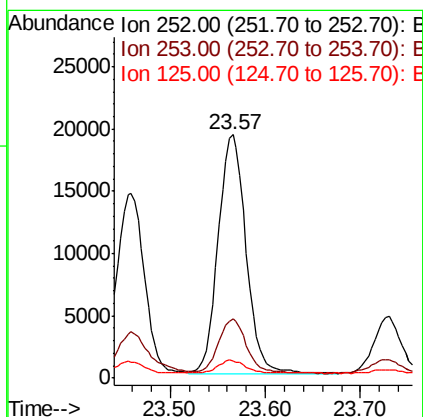
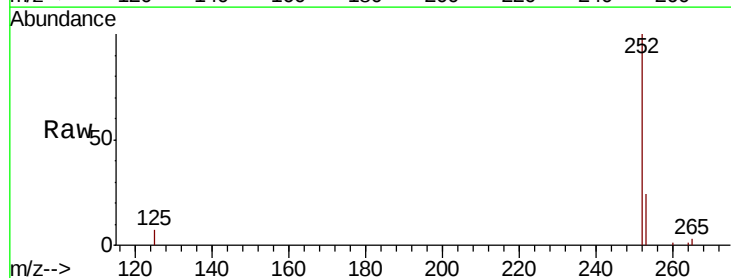
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

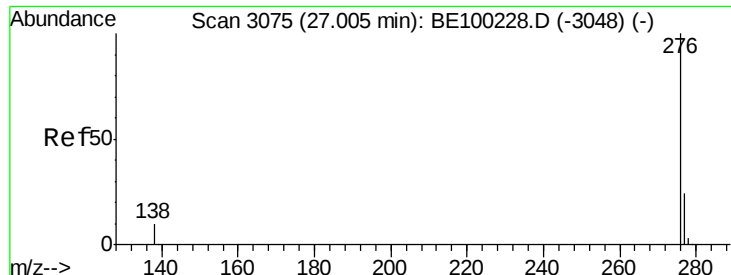
Tgt Ion:252 Resp: 54610
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 6.7 5.0 7.4



#37
Benzo(a)pyrene
Concen: 3.381 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion:252 Resp: 38774
Ion Ratio Lower Upper
252 100
253 24.3 19.6 29.4
125 7.2 9.0 13.6#





#39

Benzo(g,h,i)perylene

Concen: 2.482 ng

RT: 27.02 min Scan# 3080

Delta R.T. 0.02 min

Lab File: BE100310.D

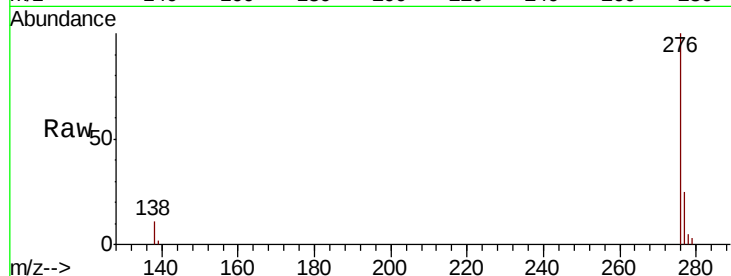
Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

ClientSampleId :

EXT-008-SW114-061819DL



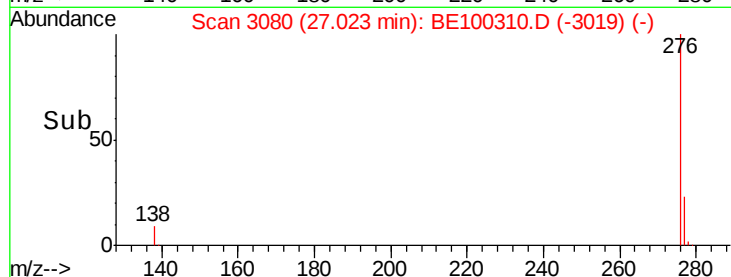
Tgt Ion: 276 Resp: 30531

Ion Ratio Lower Upper

276 100

277 25.4 20.2 30.2

138 10.8 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

