

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
 Data File : BM017910.D
 Acq On : 04 Dec 2018 19:47
 Operator : JU/SJ
 Sample : J5761-03 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-05-112918

Quant Time: Dec 05 00:26:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

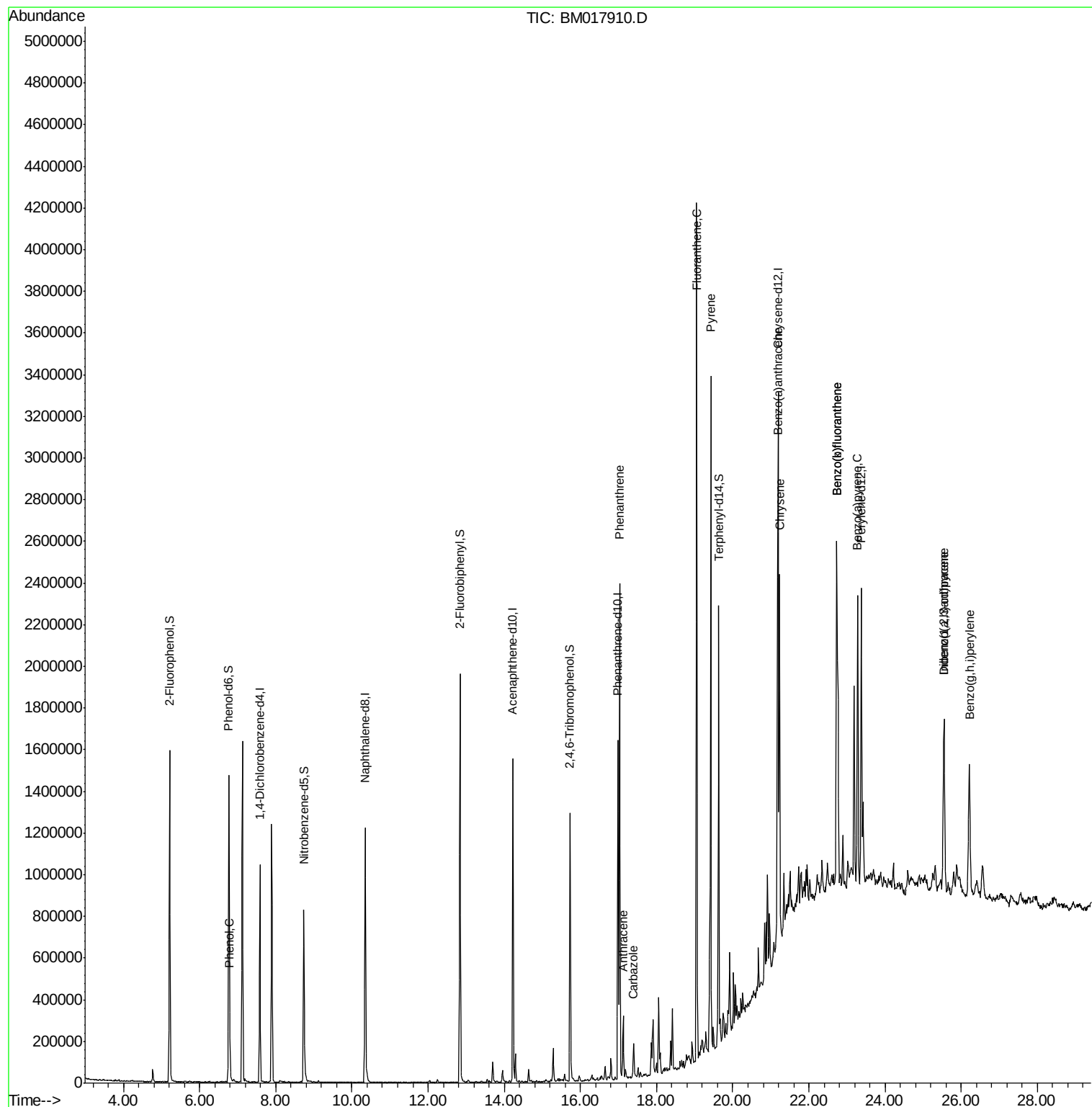
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	277780	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1072322	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	520919	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	941250	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	903998	20.00	ng	-0.02
87) Perylene-d12	23.38	264	993193	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	692948	42.10	ng	-0.03
7) Phenol-d6	6.77	99	897712	39.05	ng	-0.04
23) Nitrobenzene-d5	8.73	82	525891	25.32	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	258060	34.48	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	1038154	25.85	ng	-0.04
79) Terphenyl-d14	19.63	244	988656	24.79	ng	-0.02
Target Compounds						
10) Phenol	6.80	94	67844	2.812	ng	Qvalue 93
71) Phenanthrene	17.03	178	1381585	27.050	ng	99
72) Anthracene	17.12	178	189155	3.806	ng	99
73) Carbazole	17.40	167	109200	2.174	ng	98
75) Fluoranthene	19.06	202	2452896	42.446	ng	99
78) Pyrene	19.42	202	1936722	34.722	ng	99
81) Benzo(a)anthracene	21.17	228	862922	16.569	ng	99
83) Chrysene	21.23	228	951707	18.814	ng	98
86) Indeno(1,2,3-cd)pyrene	25.55	276	769304	19.032	ng	96
88) Benzo(b)fluoranthene	22.73	252	1407885	24.205	ng	98
89) Benzo(k)fluoranthene	22.73	252	1407885	23.948	ng	99
90) Benzo(a)pyrene	23.28	252	970944	18.308	ng	98
91) Dibenzo(a,h)anthracene	25.55	278	166260	3.729	ng	# 84
92) Benzo(g,h,i)perylene	26.21	276	751269	17.918	ng	100

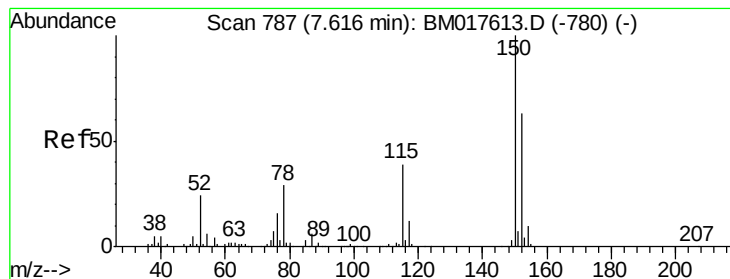
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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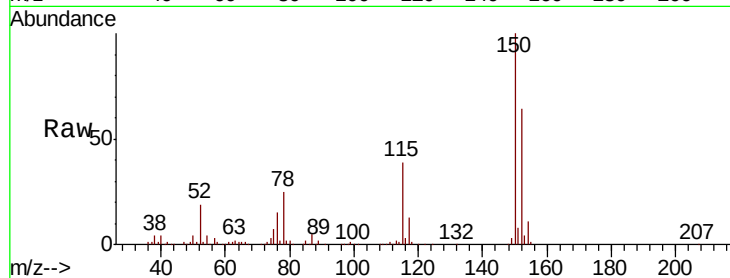


#1

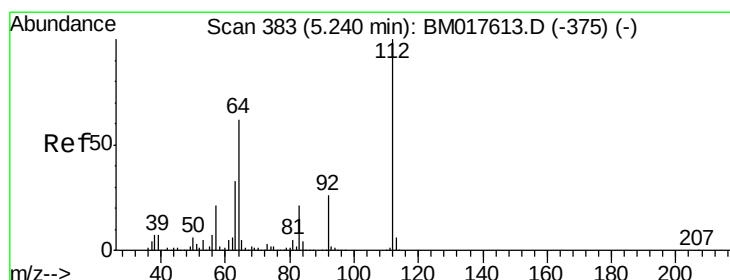
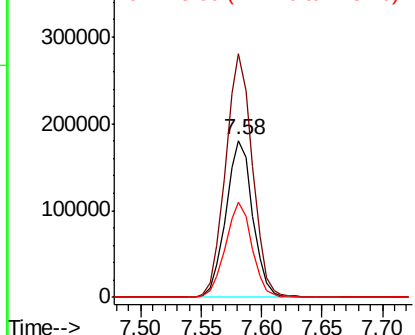
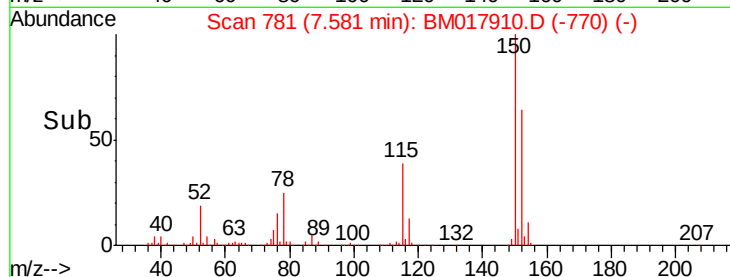
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Instrument :
BNA_M
ClientSampleId :
AU-05-112918

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.4	189.6
115	60.5	49.4	74.0



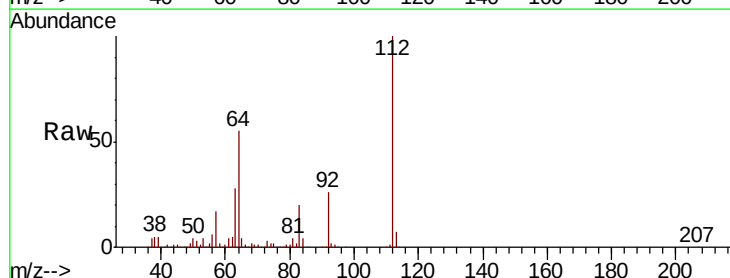
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



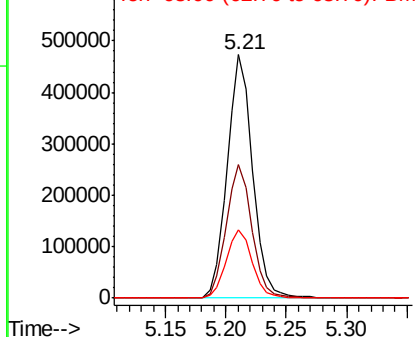
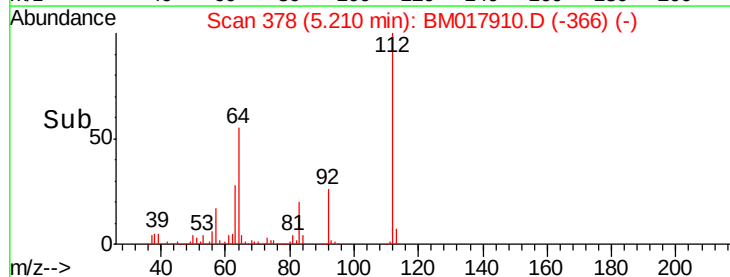
#5

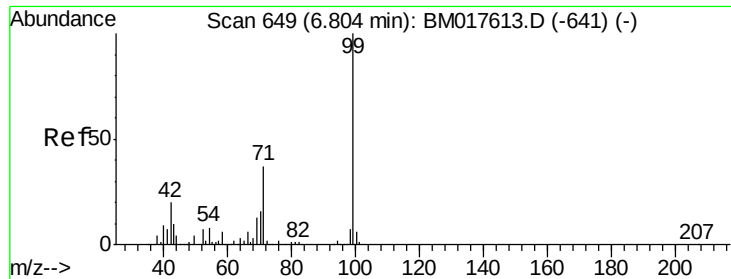
2-Fluorophenol
Concen: 42.100 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	49.3	73.9
63	28.1	26.2	39.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 39.051 ng

RT: 6.77 min Scan# 643

Delta R.T. -0.04 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

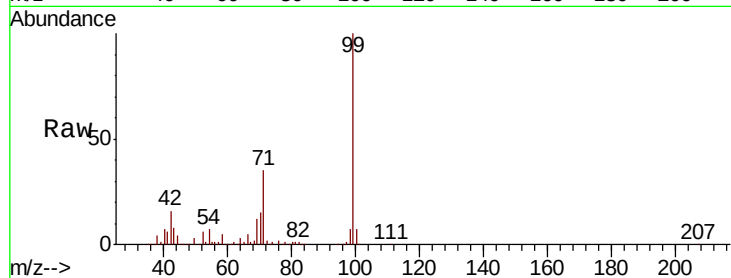
Tgt Ion: 99 Resp: 897712

Ion Ratio Lower Upper

99 100

42 16.2 16.3 24.5#

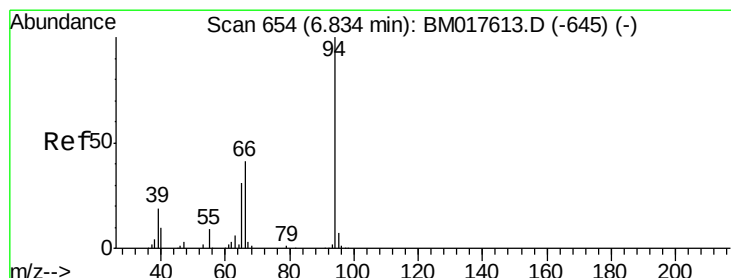
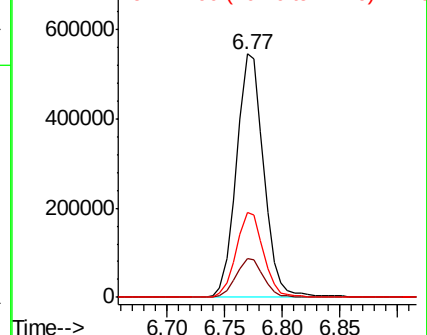
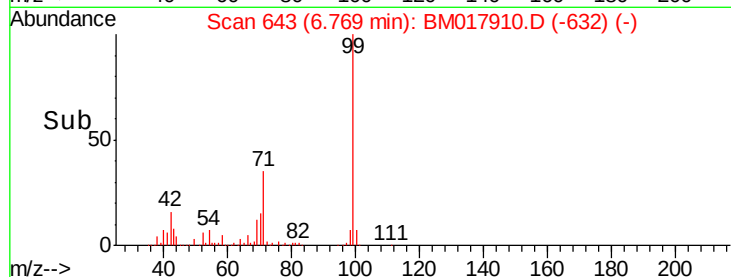
71 35.0 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017910.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM017910.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM017910.D (-632) (-)



#10

Phenol

Concen: 2.812 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.04 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

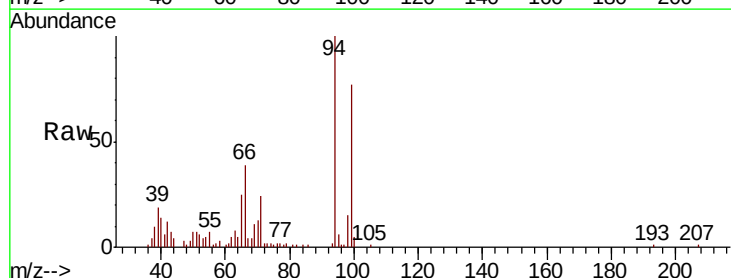
Tgt Ion: 94 Resp: 67844

Ion Ratio Lower Upper

94 100

65 25.4 11.4 51.4

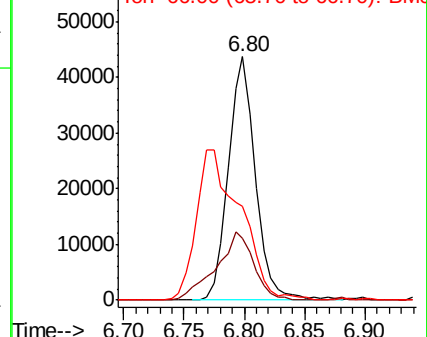
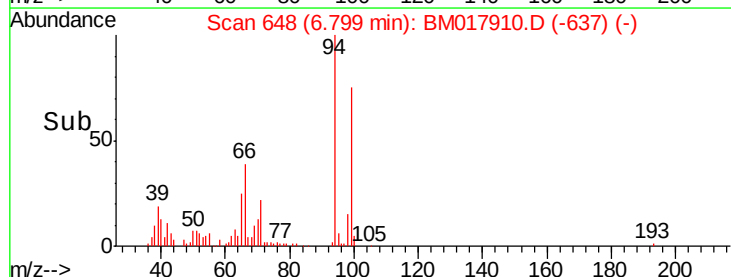
66 38.6 21.4 61.4

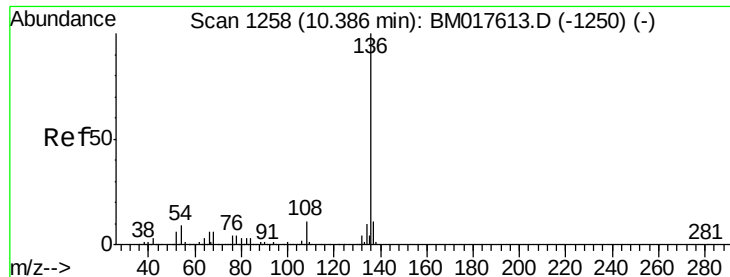


Abundance Ion 94.00 (93.70 to 94.70): BM017910.D (-637) (-)

Ion 65.00 (64.70 to 65.70): BM017910.D (-637) (-)

Ion 66.00 (65.70 to 66.70): BM017910.D (-637) (-)

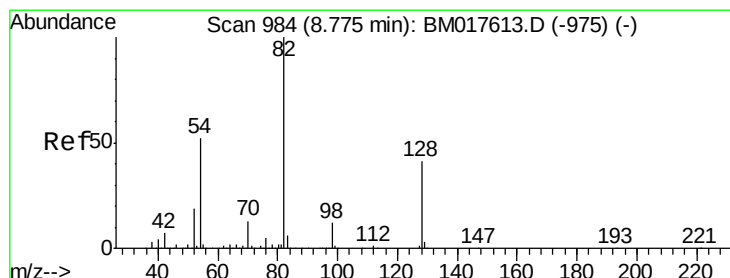
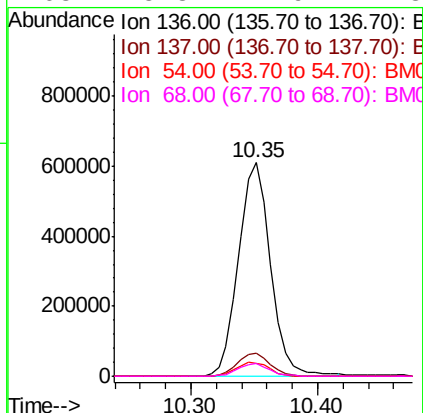
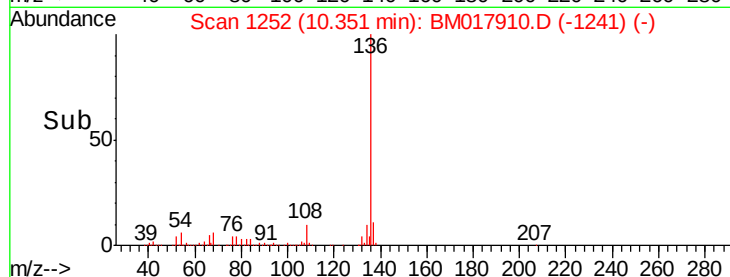
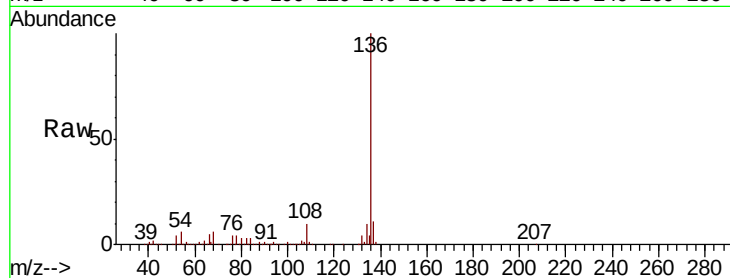




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1252
Delta R.T. -0.04 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

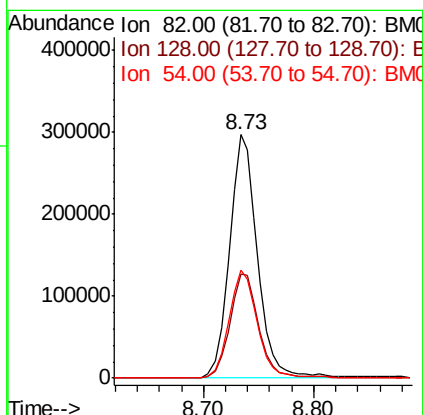
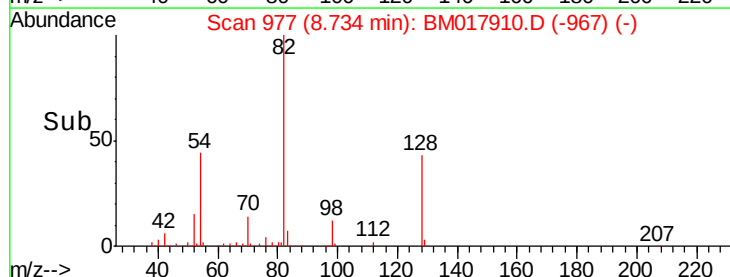
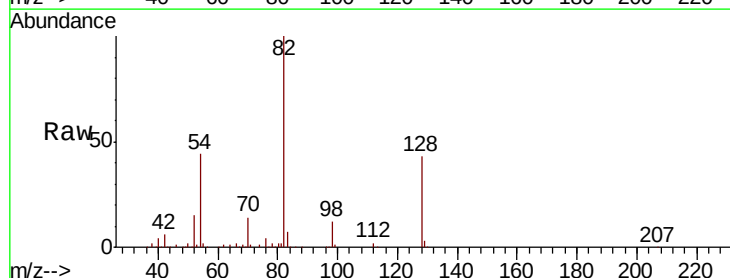
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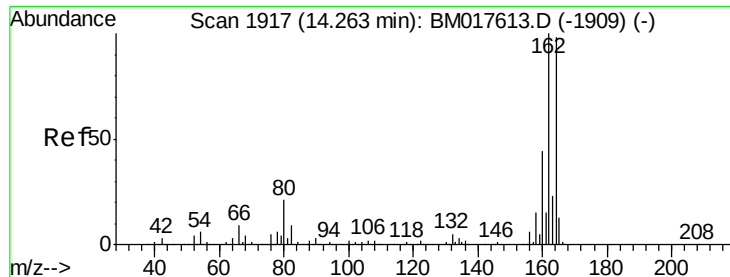
Tgt Ion:	136	Resp:	1072322
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.2	7.0	10.6#
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 25.318 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.04 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Tgt Ion:	82	Resp:	525891
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.0	49.4
54	44.1	41.4	62.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1911

Delta R.T. -0.04 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

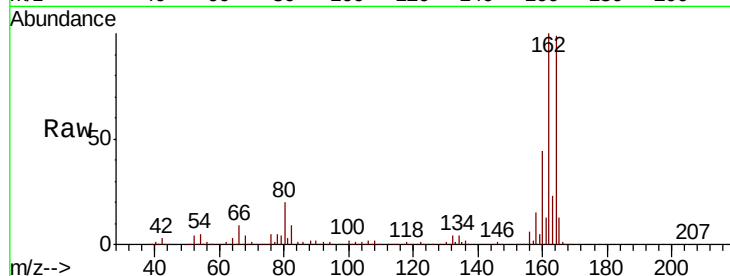
Tgt Ion:164 Resp: 520919

Ion Ratio Lower Upper

164 100

162 101.4 81.4 122.0

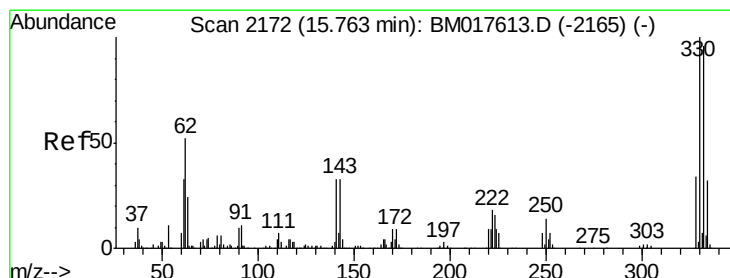
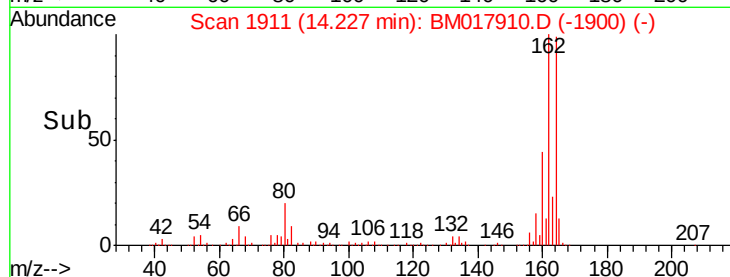
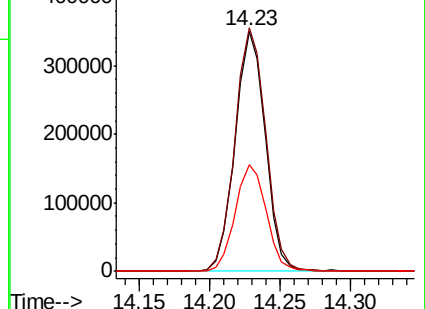
160 44.6 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 34.478 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

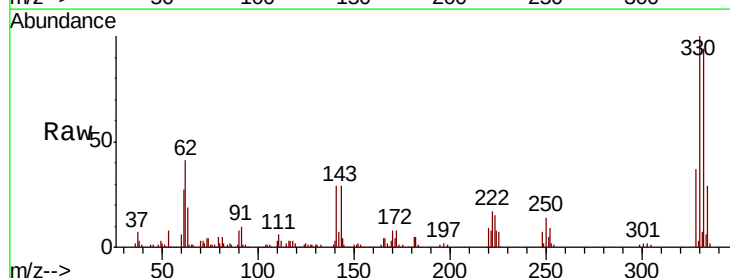
Tgt Ion:330 Resp: 258060

Ion Ratio Lower Upper

330 100

332 95.8 77.9 116.9

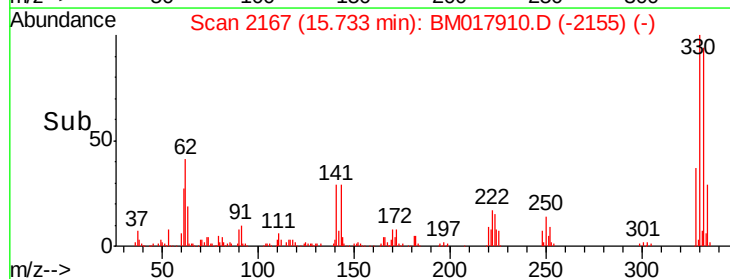
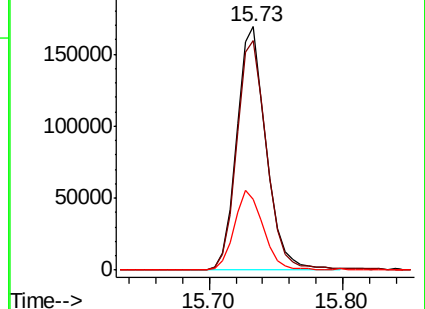
141 32.5 27.5 41.3

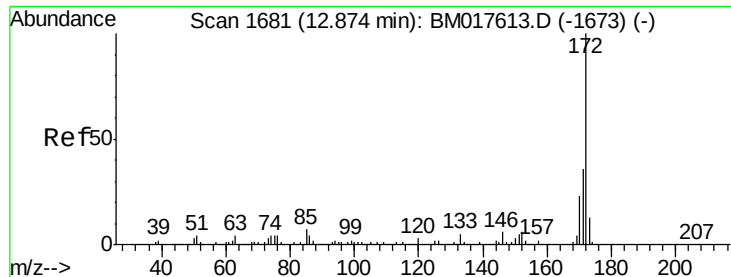


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

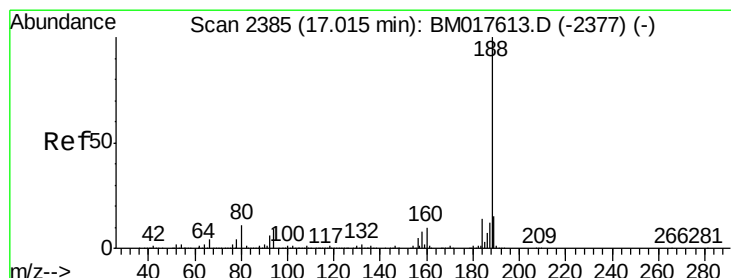
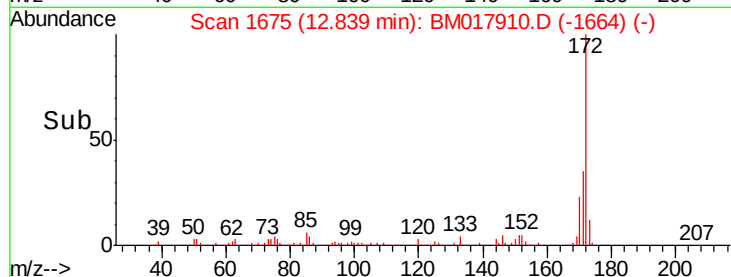
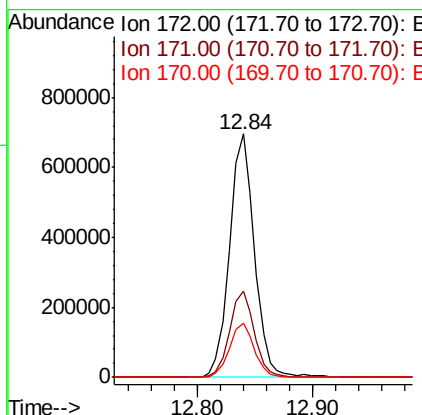
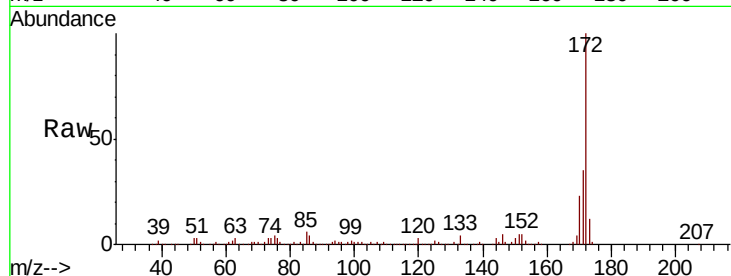




#45
2-Fluorobiphenyl
Concen: 25.855 ng
RT: 12.84 min Scan# 1675
Delta R.T. -0.04 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

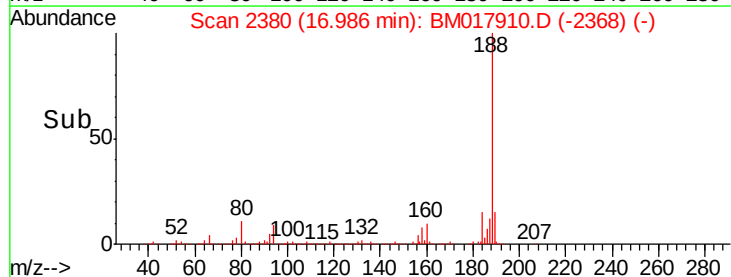
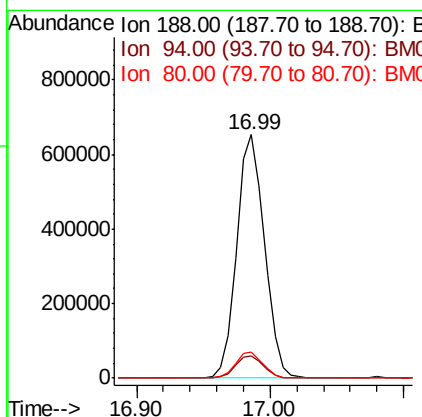
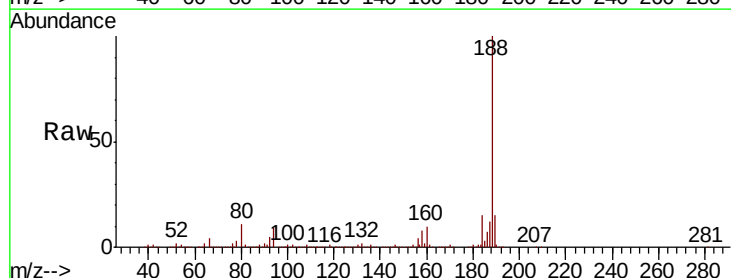
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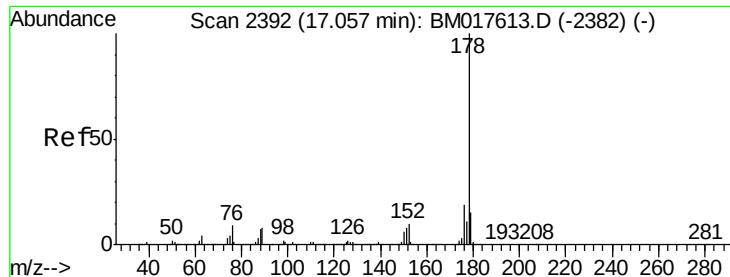
Tgt Ion:172 Resp: 1038154
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 22.5 18.3 27.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Tgt Ion:188 Resp: 941250
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 10.6 8.6 13.0

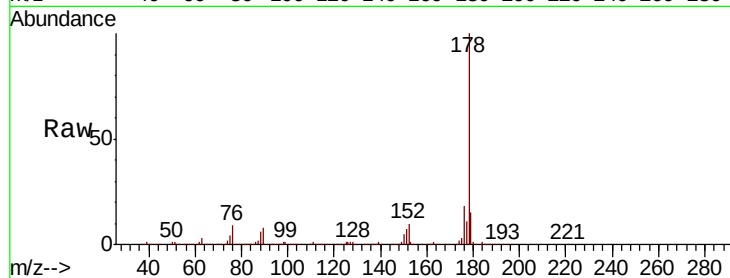




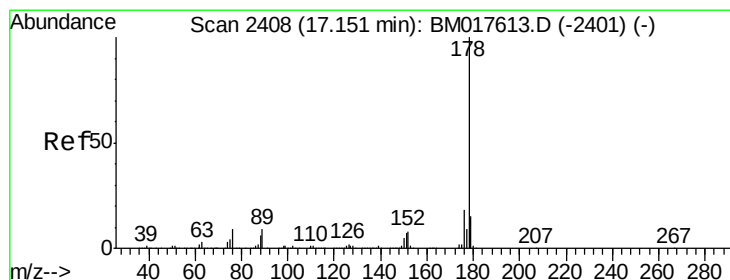
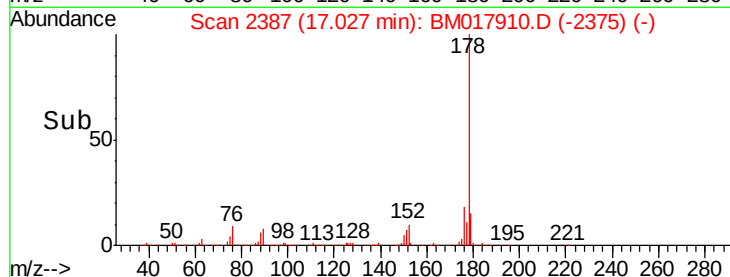
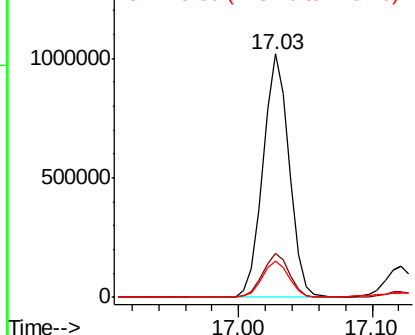
#71
Phenanthrene
Concen: 27.050 ng
RT: 17.03 min Scan# 2387
Delta R.T. -0.03 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:178 Resp: 1381585
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.2 12.4 18.6

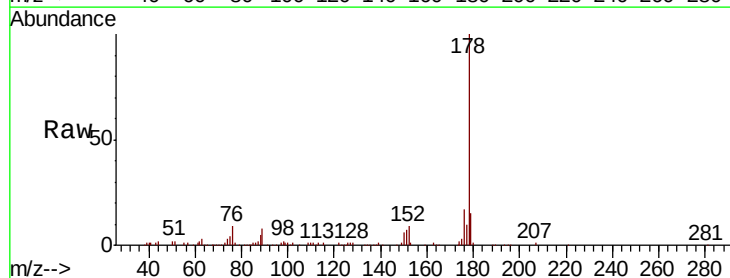


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

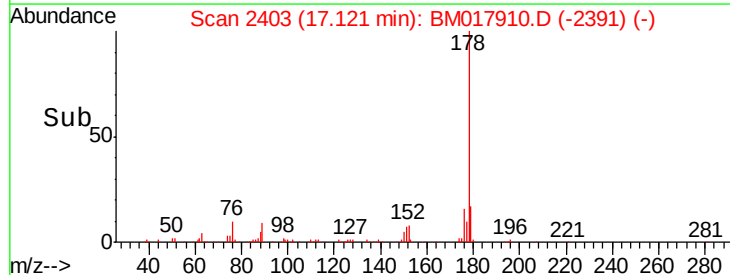
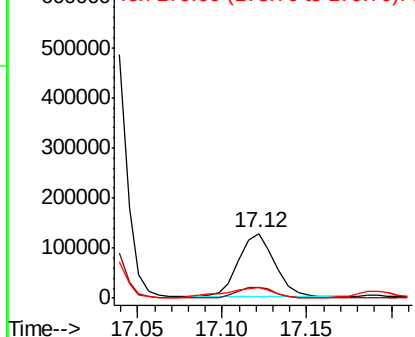


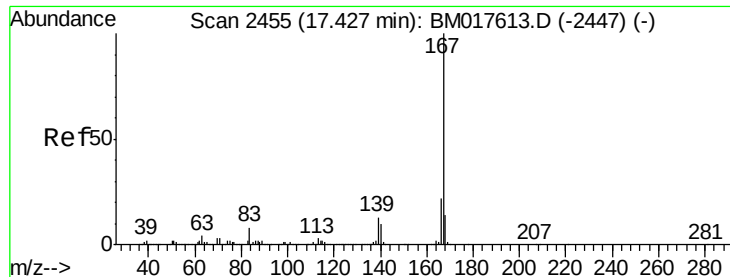
#72
Anthracene
Concen: 3.806 ng
RT: 17.12 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Tgt Ion:178 Resp: 189155
Ion Ratio Lower Upper
178 100
176 17.2 14.5 21.7
179 15.4 12.3 18.5



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

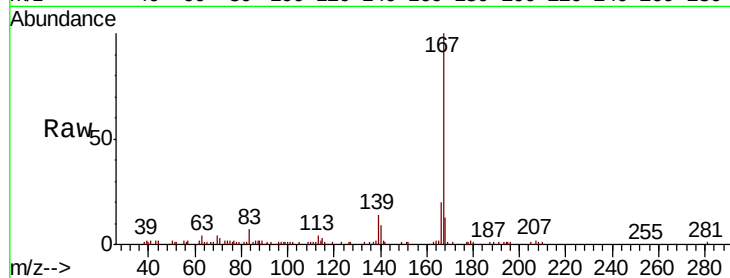




#73
 Carbazole
 Concen: 2.174 ng
 RT: 17.40 min Scan# 2451
 Delta R.T. -0.02 min
 Lab File: BM017910.D
 Acq: 04 Dec 2018 19:47

Instrument :
 BNA_M
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 AU-05-112918

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.2	25.8
139	13.5	10.2	15.4

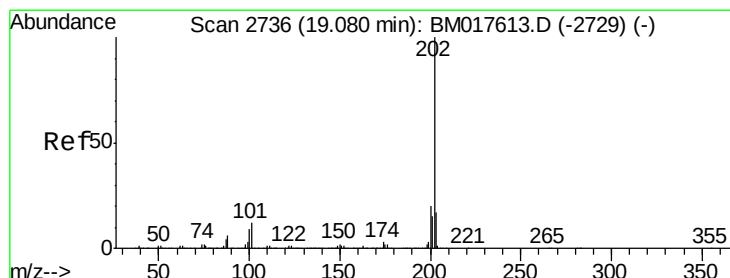
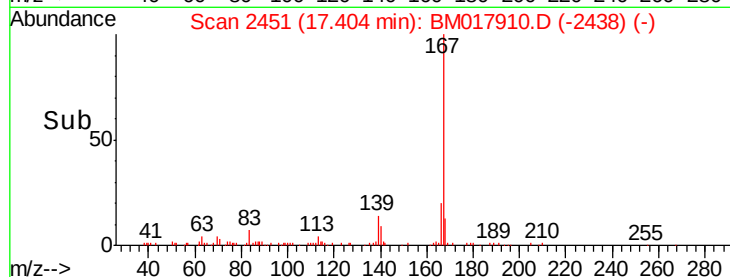
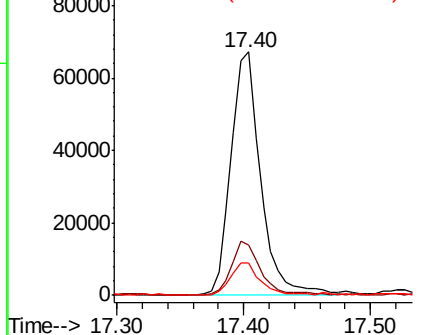


Abundance

Ion 167.00 (166.70 to 167.70): E

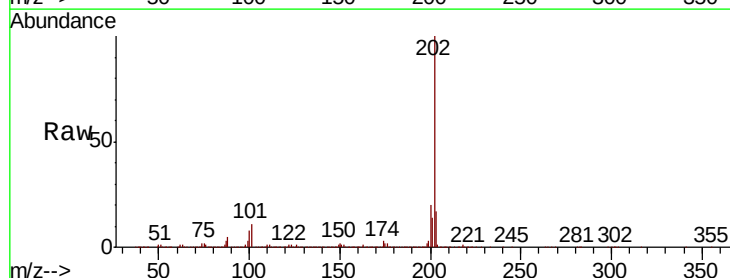
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75
 Fluoranthene
 Concen: 42.446 ng
 RT: 19.06 min Scan# 2732
 Delta R.T. -0.02 min
 Lab File: BM017910.D
 Acq: 04 Dec 2018 19:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.5
203	17.4	0.0	37.2

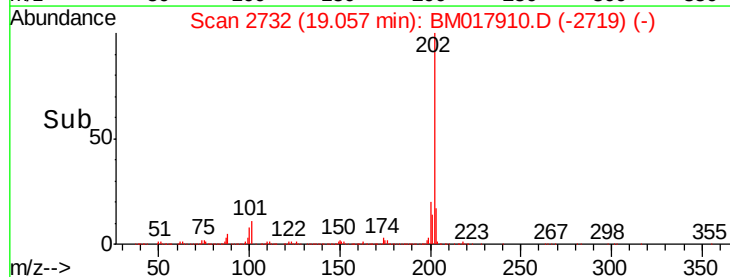
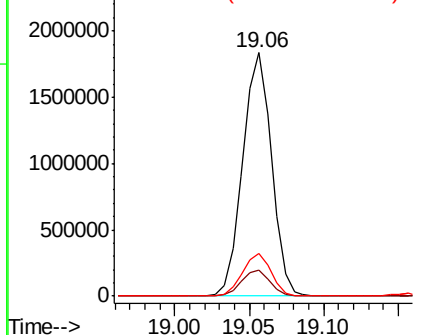


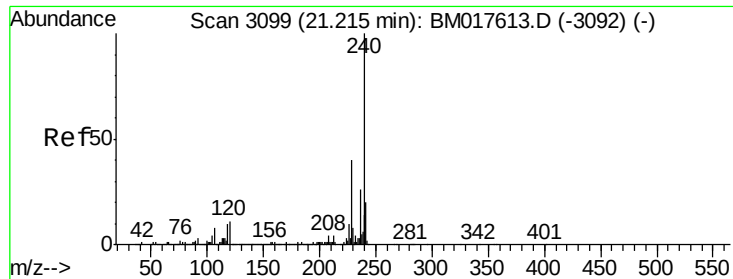
Abundance

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

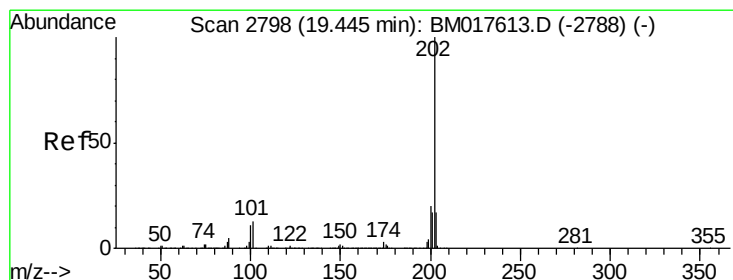
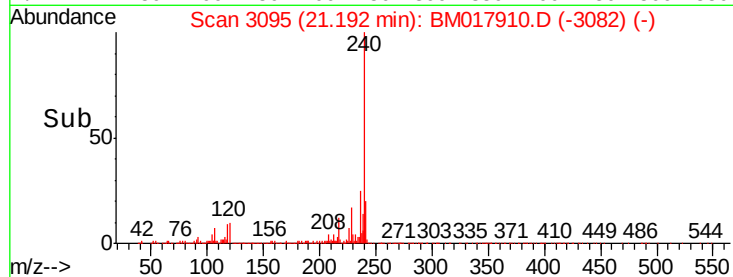
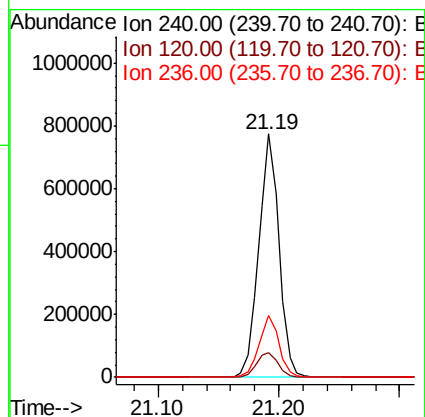
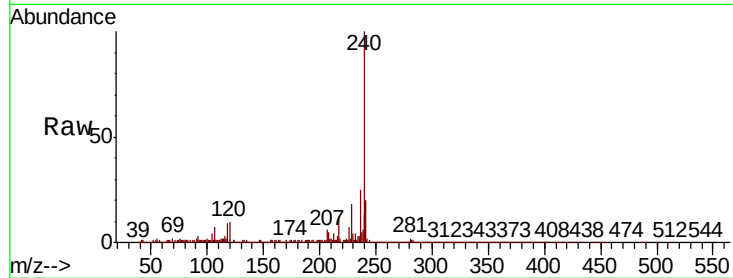




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

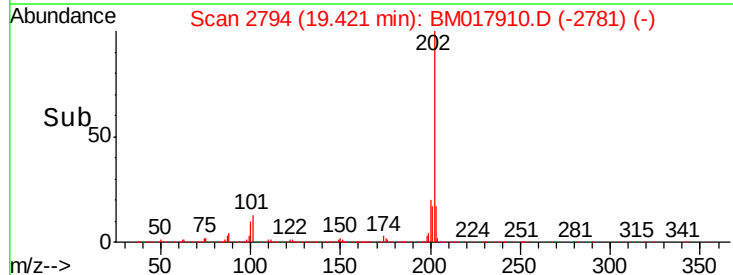
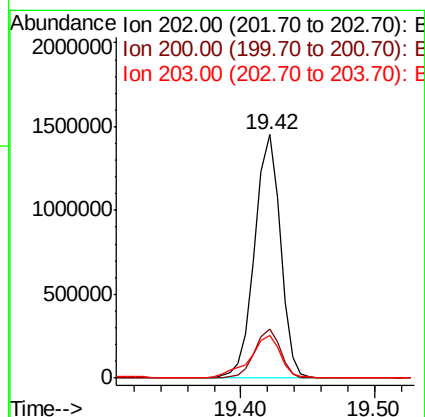
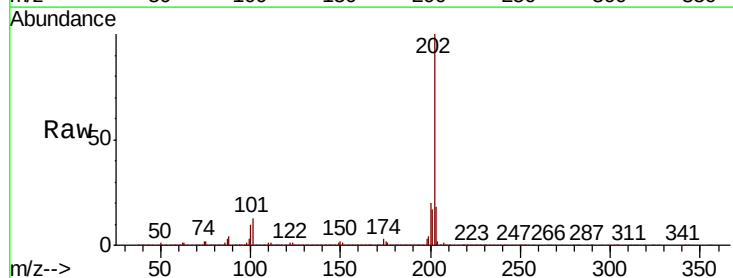
Instrument :
BNA_M
ClientSampleId :
AU-05-112918

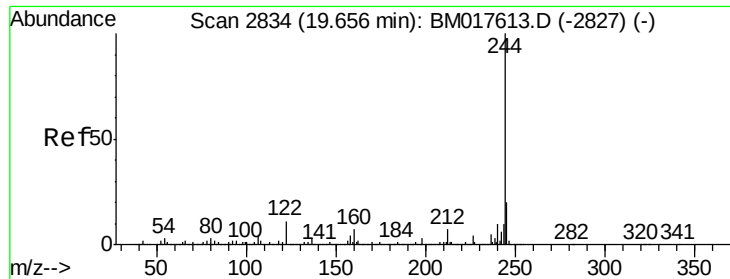
Tgt Ion:240 Resp: 903998
Ion Ratio Lower Upper
240 100
120 9.9 8.5 12.7
236 25.2 20.4 30.6



#78
Pyrene
Concen: 34.722 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.02 min
Lab File: BM017910.D
Acq: 04 Dec 2018 19:47

Tgt Ion:202 Resp: 1936722
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 24.787 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

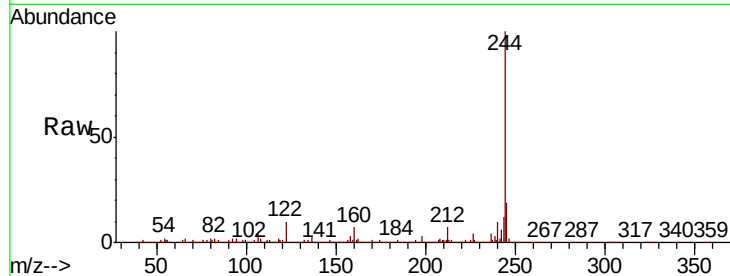
Tgt Ion:244 Resp: 988656

Ion Ratio Lower Upper

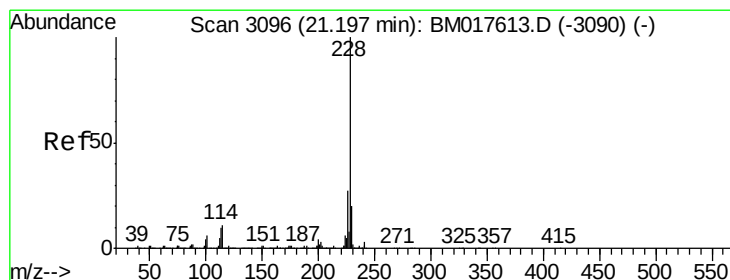
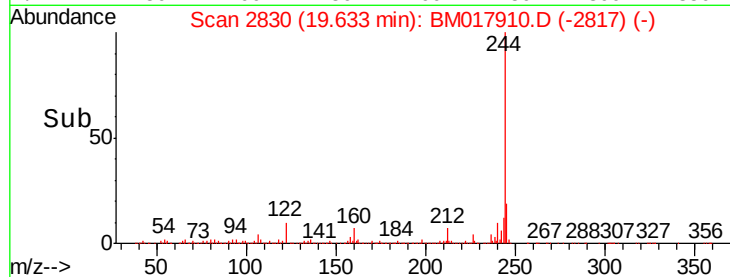
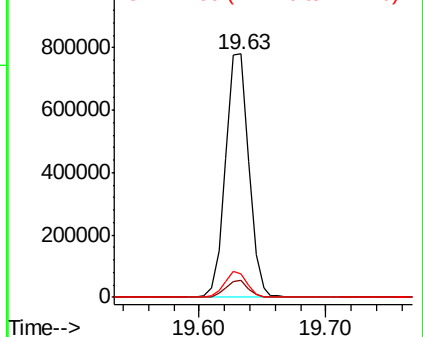
244 100

212 6.8 5.8 8.6

122 9.8 9.0 13.6



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



#81

Benzo(a)anthracene

Concen: 16.569 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

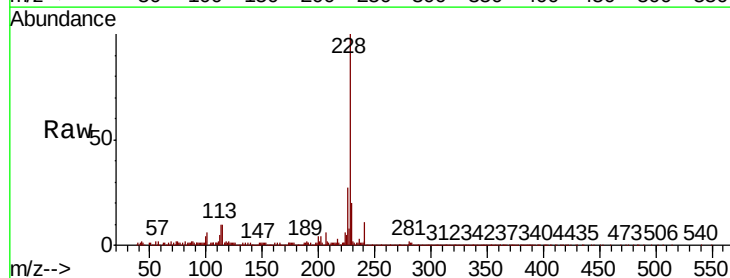
Tgt Ion:228 Resp: 862922

Ion Ratio Lower Upper

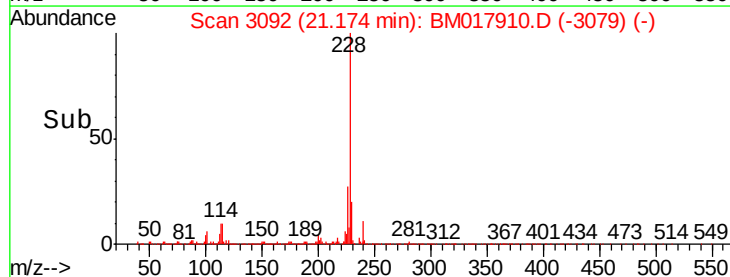
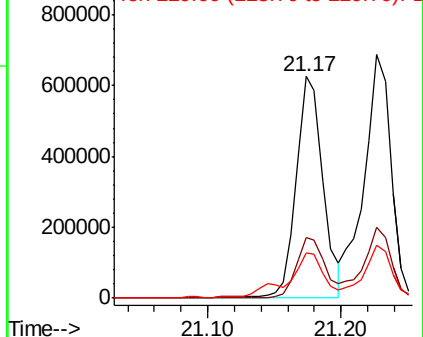
228 100

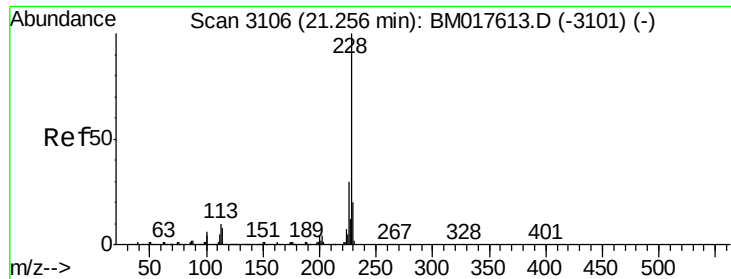
226 27.5 21.3 31.9

229 20.3 16.0 24.0



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





#83

Chrysene

Concen: 18.814 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.03 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

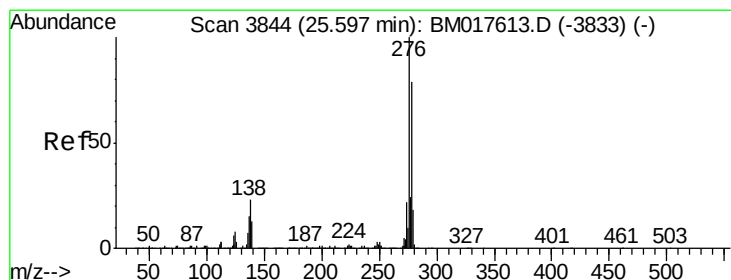
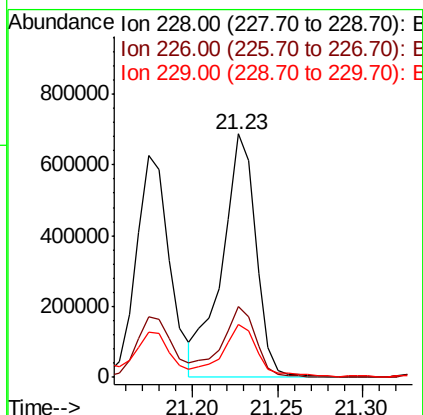
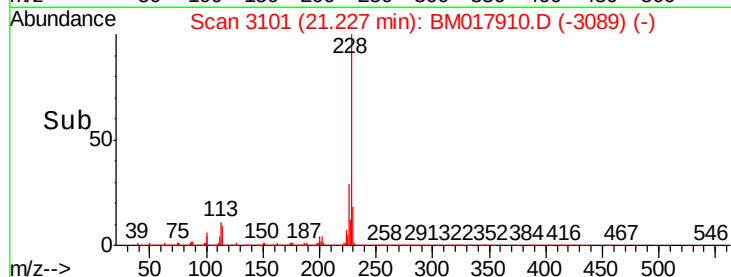
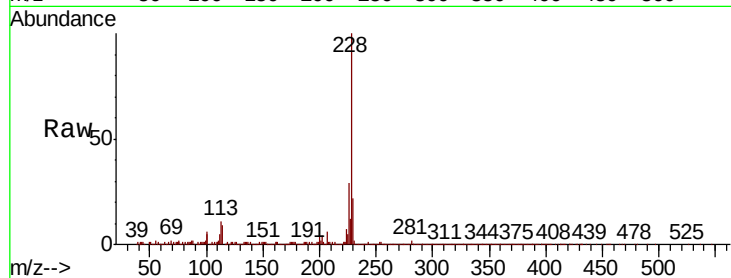
Tgt Ion:228 Resp: 951707

Ion Ratio Lower Upper

228 100

226 29.0 23.6 35.4

229 21.8 15.8 23.6



#86

Indeno(1,2,3-cd)pyrene

Concen: 19.032 ng

RT: 25.55 min Scan# 3836

Delta R.T. -0.05 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

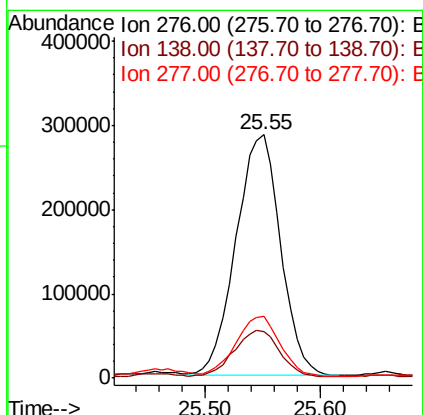
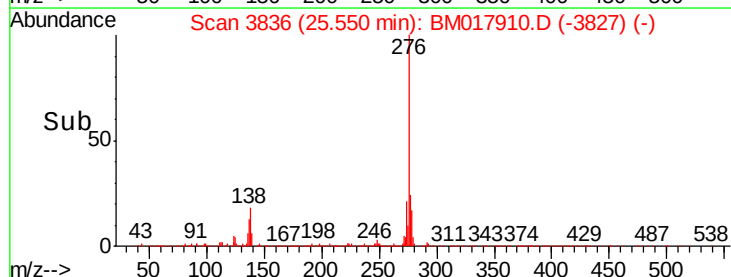
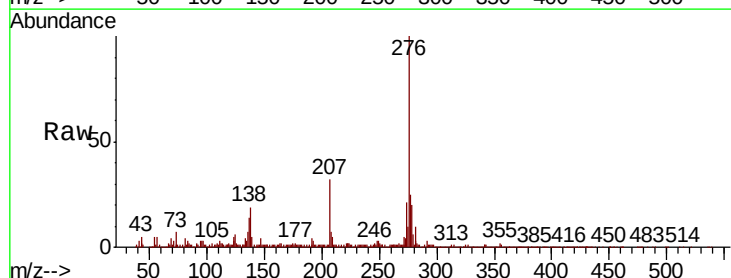
Tgt Ion:276 Resp: 769304

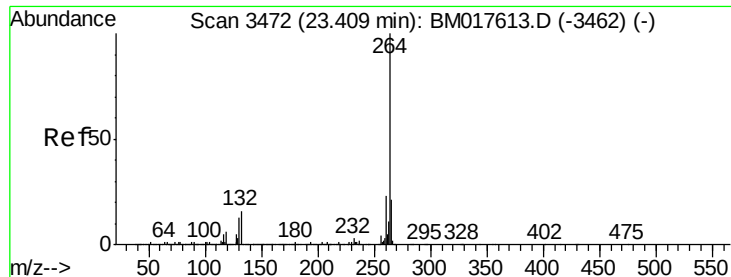
Ion Ratio Lower Upper

276 100

138 19.7 19.1 28.7

277 25.3 20.0 30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3467

Delta R.T. -0.03 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

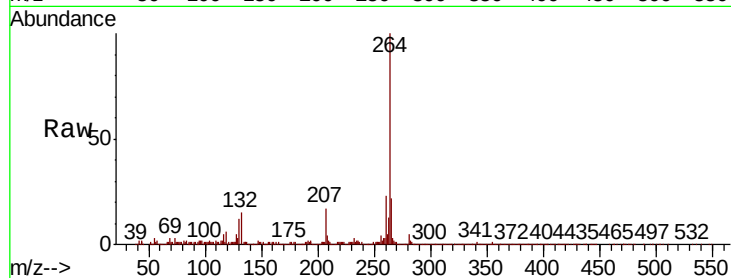
Tgt Ion:264 Resp: 993193

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

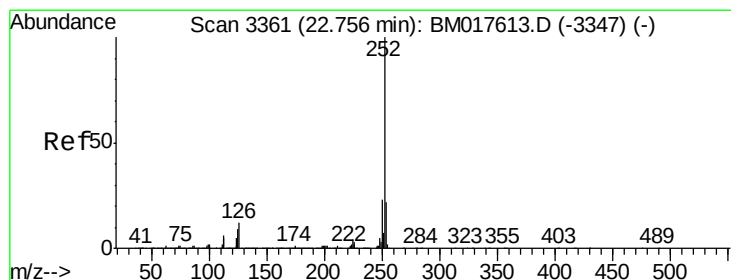
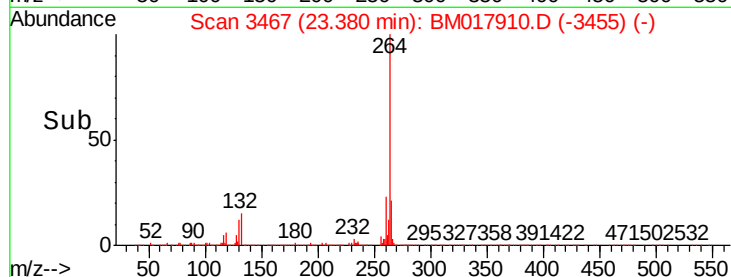
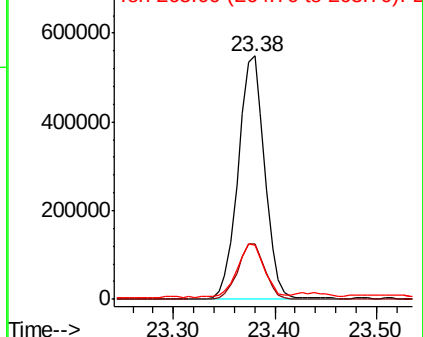
265 22.0 17.5 26.3



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



#88

Benzo(b)fluoranthene

Concen: 24.205 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

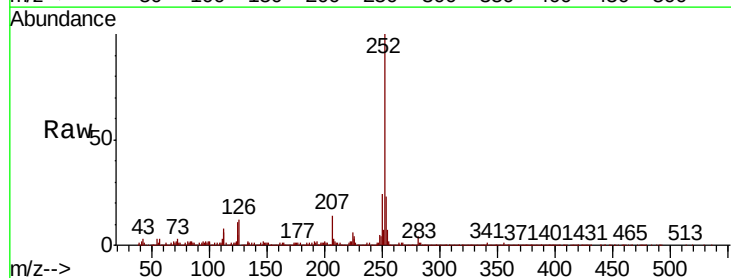
Tgt Ion:252 Resp: 1407885

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

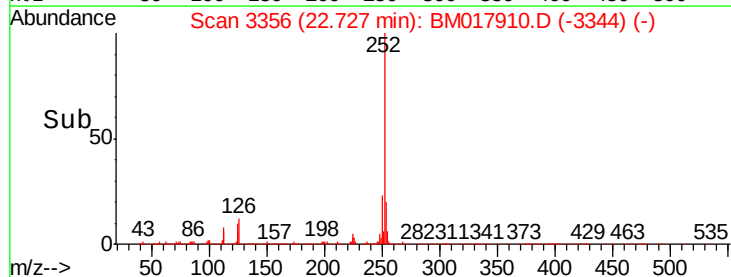
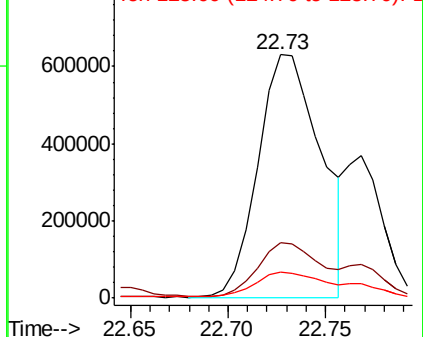
125 10.8 7.6 11.4

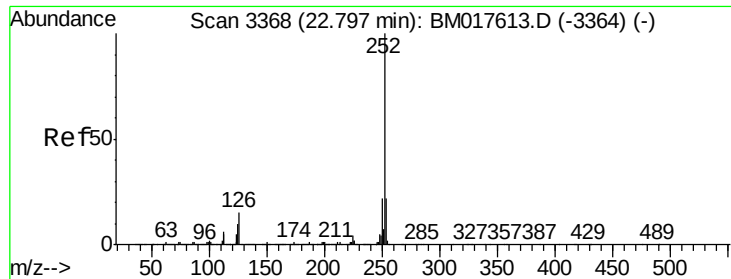


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 23.948 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.07 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

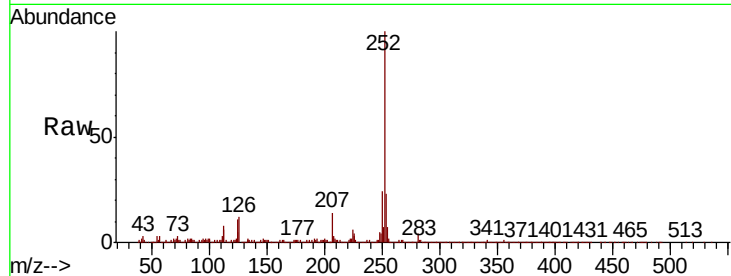
Tgt Ion:252 Resp: 1407885

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

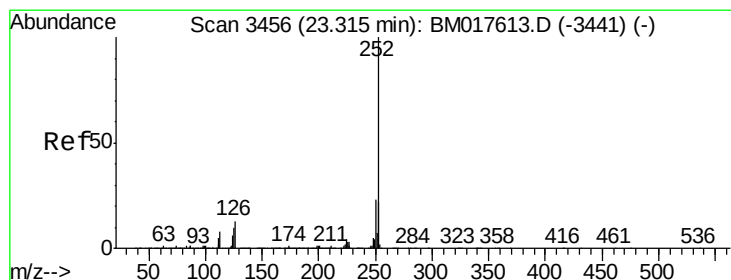
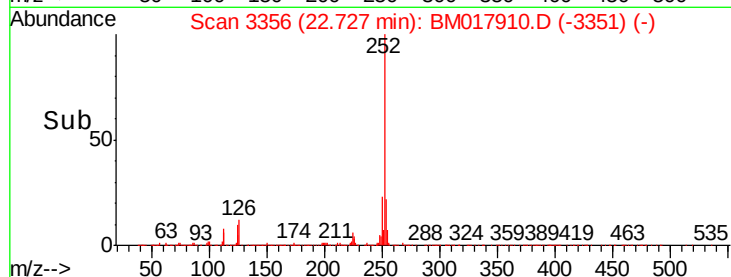
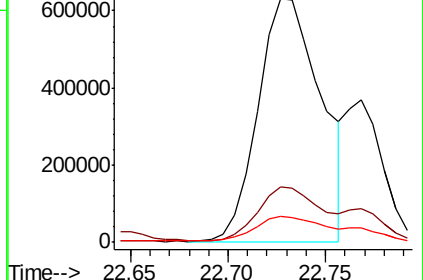
125 10.8 7.9 11.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 18.308 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

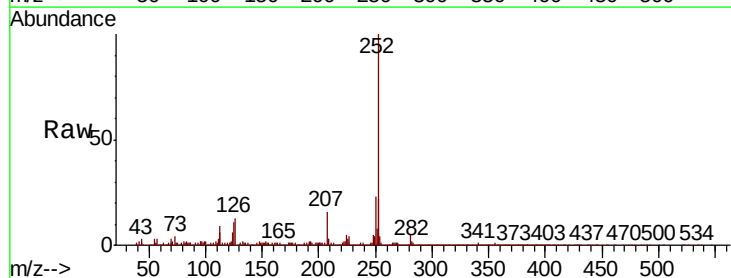
Tgt Ion:252 Resp: 970944

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

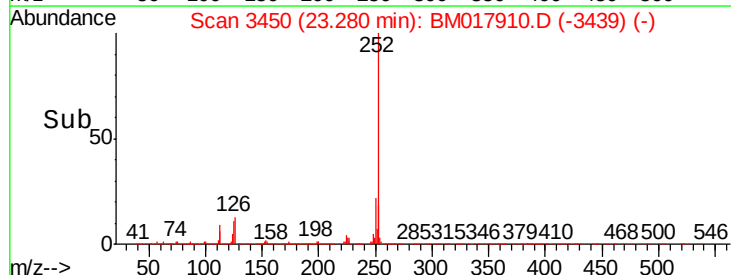
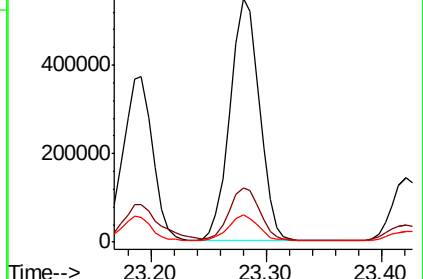
125 11.4 8.2 12.2

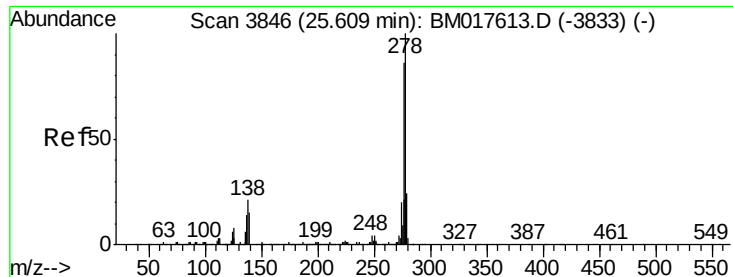


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 3.729 ng

RT: 25.55 min Scan# 3836

Delta R.T. -0.06 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Instrument :

BNA_M

ClientSampleId :

AU-05-112918

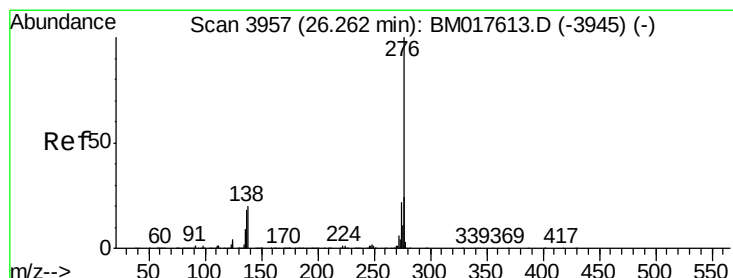
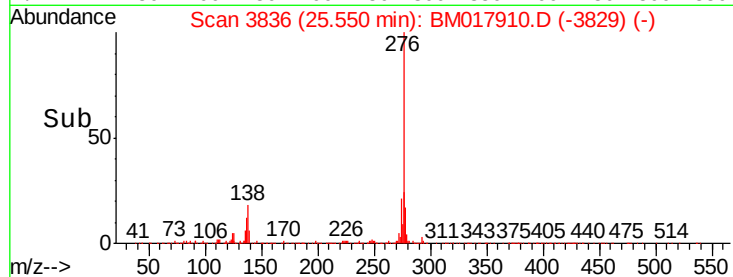
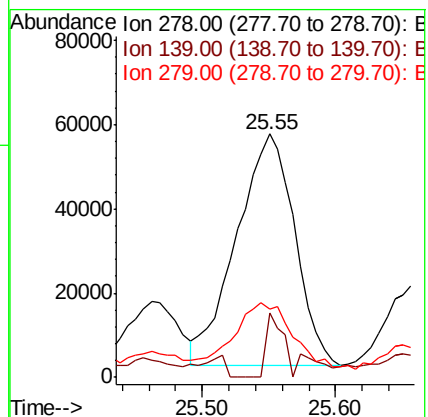
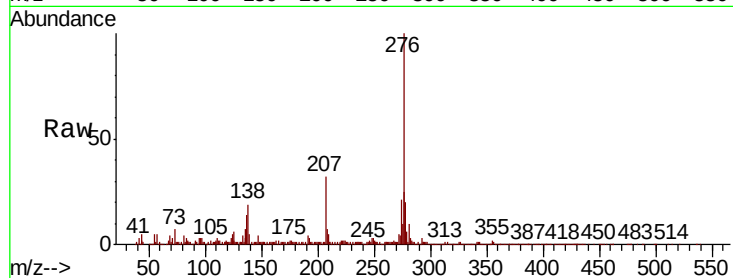
Tgt Ion:278 Resp: 166260

Ion Ratio Lower Upper

278 100

139 26.6 11.8 17.6#

279 28.1 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 17.918 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.05 min

Lab File: BM017910.D

Acq: 04 Dec 2018 19:47

Tgt Ion:276 Resp: 751269

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 19.6 15.9 23.9

