

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
 Data File : BM017909.D
 Acq On : 04 Dec 2018 19:10
 Operator : JU/SJ
 Sample : J5761-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 AU-06-112918

Quant Time: Dec 05 00:26:13 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

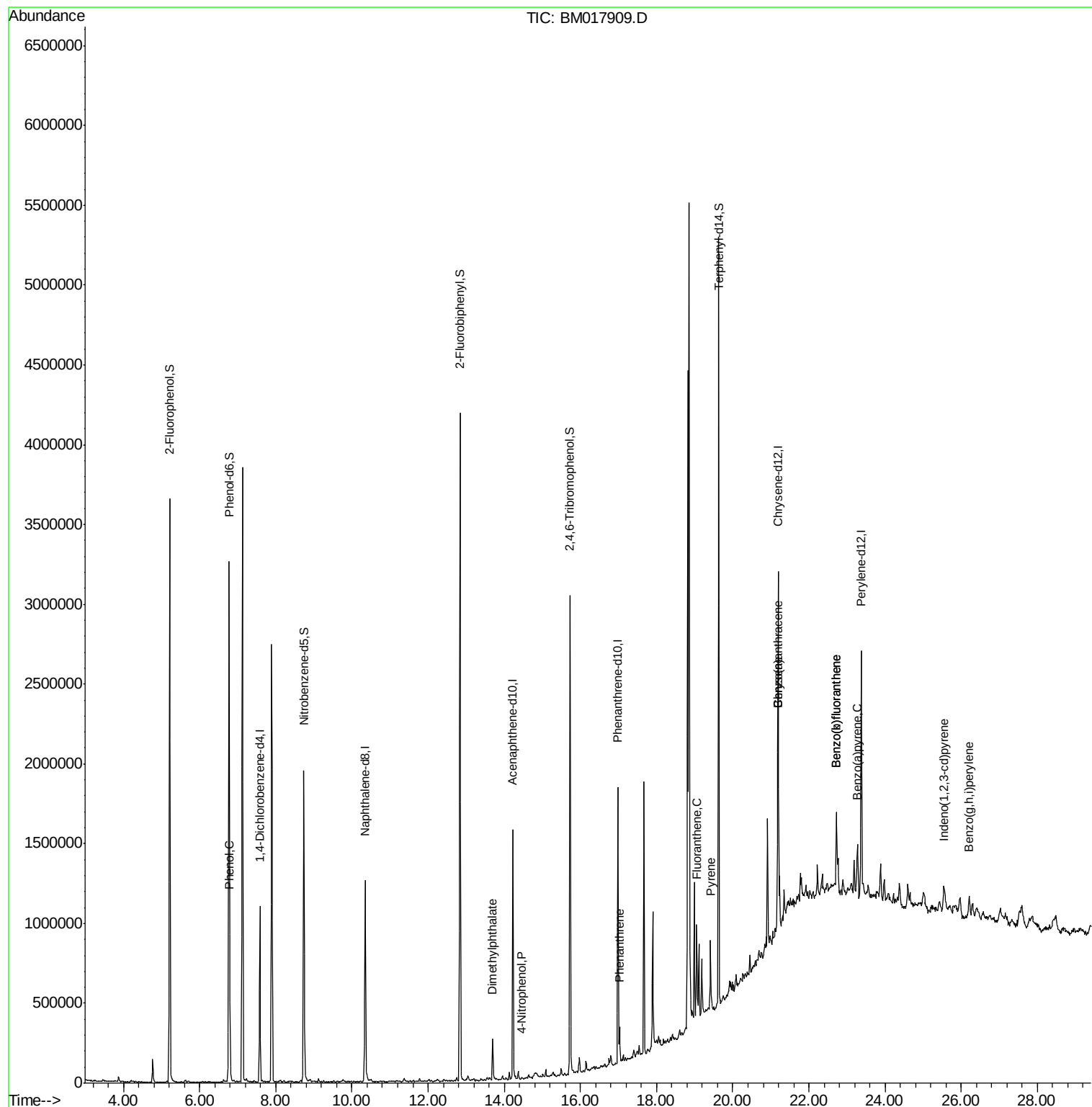
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	297087	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1090552	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	511534	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	959359	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	996242	20.00	ng	-0.02
87) Perylene-d12	23.38	264	1114046	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1561825	88.72	ng	-0.03
7) Phenol-d6	6.77	99	1938392	78.84	ng	-0.03
23) Nitrobenzene-d5	8.74	82	1197795	56.70	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	580609	78.99	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	2159982	54.78	ng	-0.04
79) Terphenyl-d14	19.63	244	2246775	51.11	ng	-0.02
Target Compounds						
10) Phenol	6.80	94	140414	5.441	ng	Qvalue 97
50) Dimethylphthalate	13.69	163	164692	3.960	ng	# 97
56) 4-Nitrophenol	14.46	139	109	4.968	ng	# 17
71) Phenanthrene	17.03	178	120765	2.320	ng	98
75) Fluoranthene	19.06	202	299963	5.093	ng	97
78) Pyrene	19.42	202	267856	4.358	ng	98
81) Benzo(a)anthracene	21.17	228	149619	2.607	ng	97
83) Chrysene	21.17	228	144520	2.592	ng	95
86) Indeno(1,2,3-cd)pyrene	25.54	276	141311	3.172	ng	96
88) Benzo(b)fluoranthene	22.73	252	259833	3.983	ng	# 92
89) Benzo(k)fluoranthene	22.73	252	260360	3.948	ng	# 93
90) Benzo(a)pyrene	23.28	252	179139	3.011	ng	# 90
92) Benzo(g,h,i)perylene	26.21	276	152094	3.234	ng	97

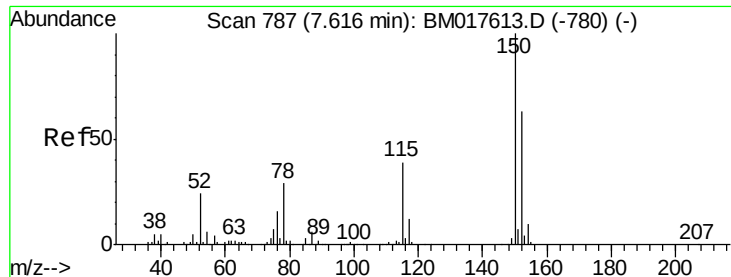
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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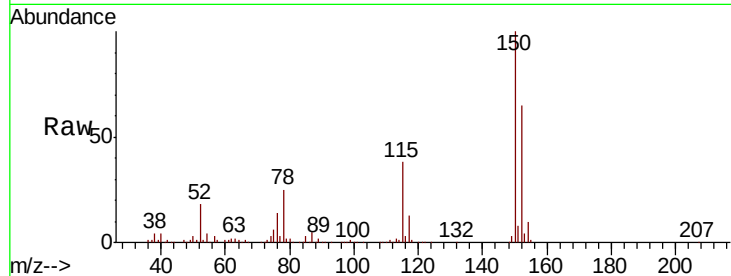


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.4	189.6
115	58.6	49.4	74.0

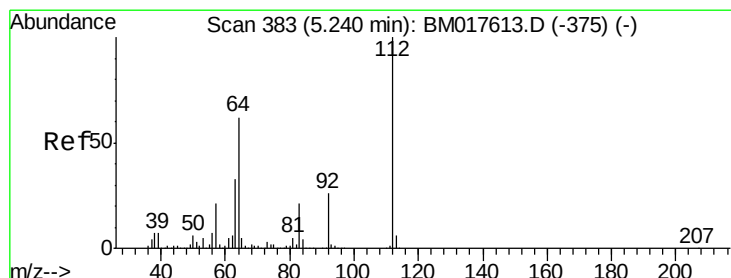
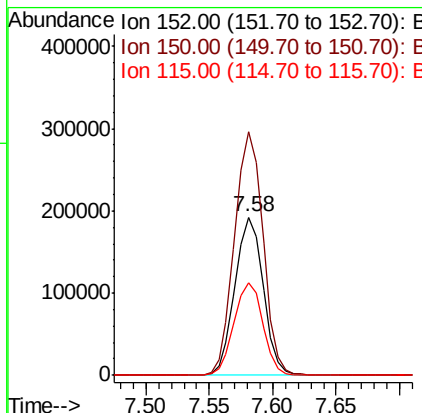
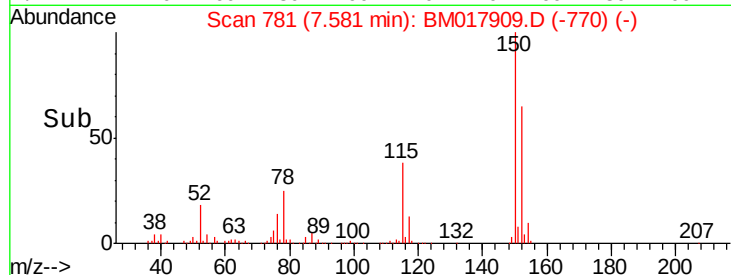


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

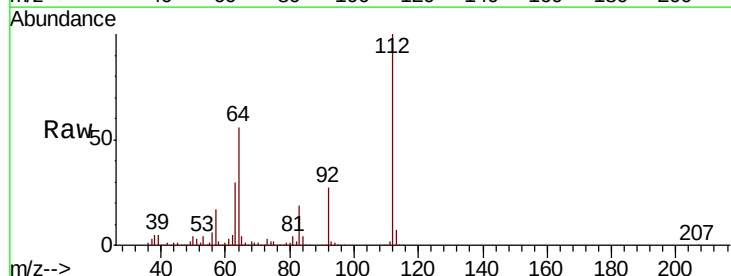
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.722 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	49.3	73.9
63	29.8	26.2	39.4

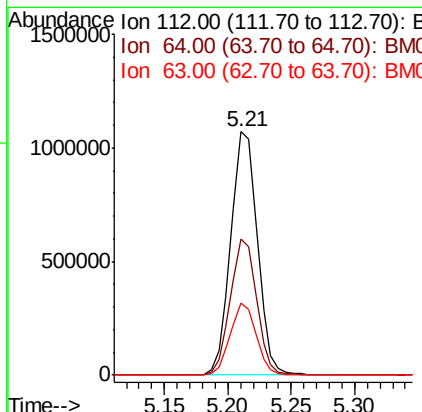
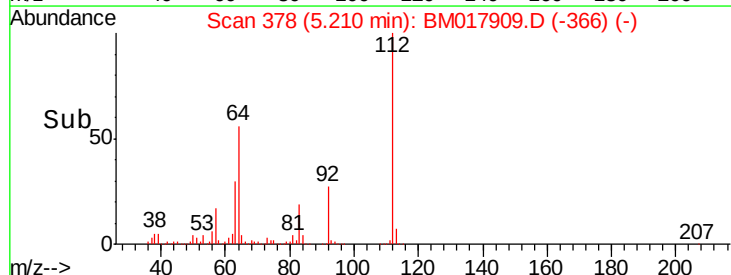


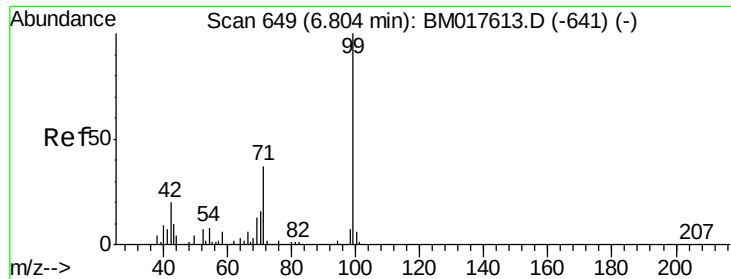
Abundance

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: 78.841 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

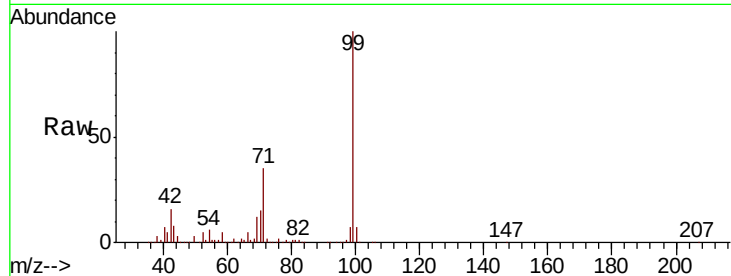
BNA_M

ClientSampleId :

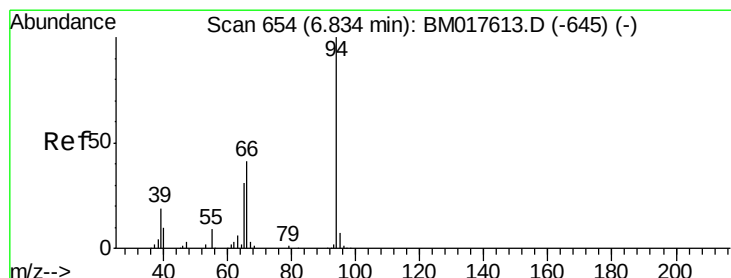
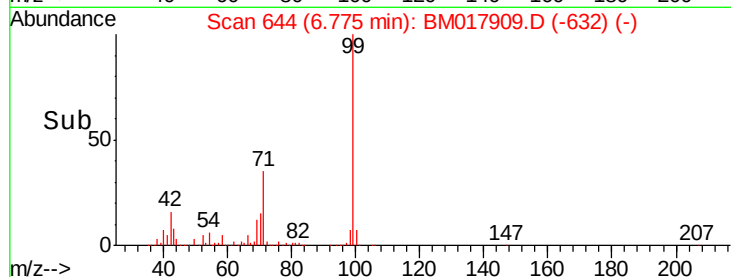
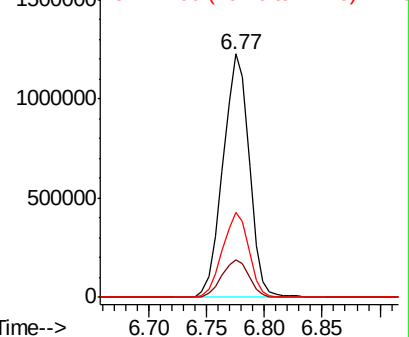
AU-06-112918

Tgt Ion: 99 Resp: 1938392

Ion	Ratio	Lower	Upper
99	100		
42	15.6	16.3	24.5#
71	34.7	29.8	44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017909.D (-632) (-)



#10

Phenol

Concen: 5.441 ng

RT: 6.80 min Scan# 648

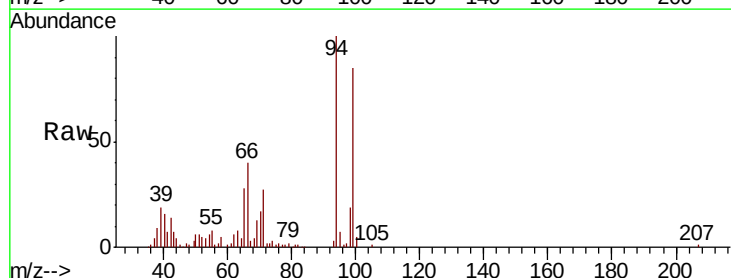
Delta R.T. -0.04 min

Lab File: BM017909.D

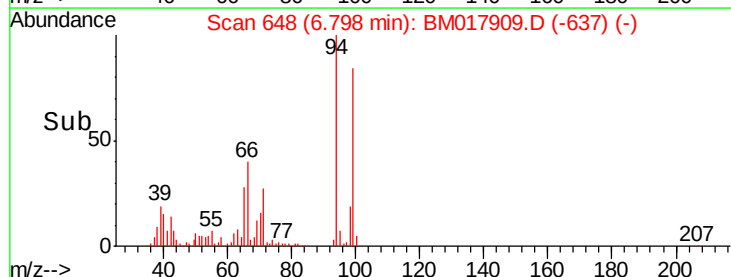
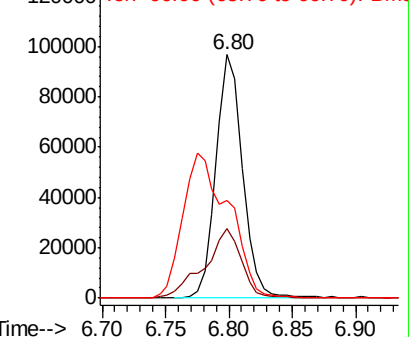
Acq: 04 Dec 2018 19:10

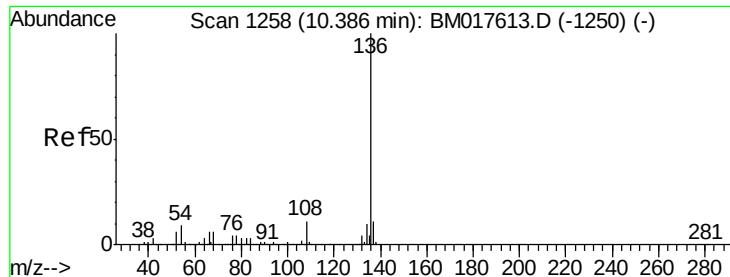
Tgt Ion: 94 Resp: 140414

Ion	Ratio	Lower	Upper
94	100		
65	28.5	11.4	51.4
66	40.2	21.4	61.4



Abundance Ion 94.00 (93.70 to 94.70): BM017909.D (-637) (-)

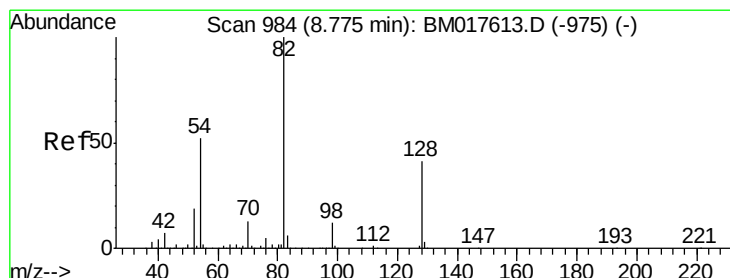
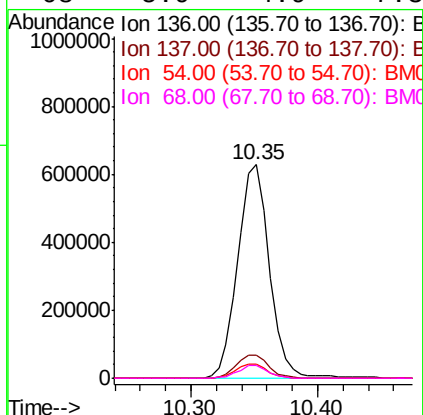
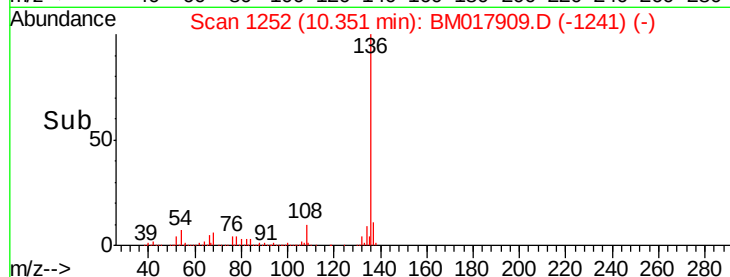
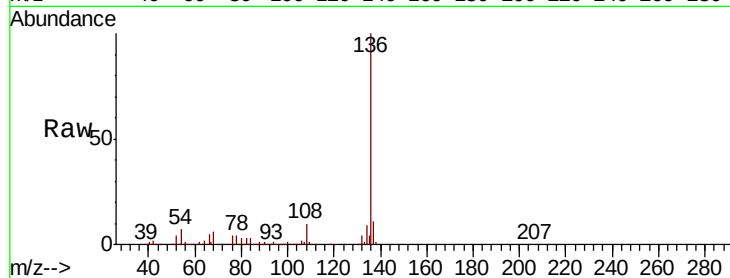




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1252
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

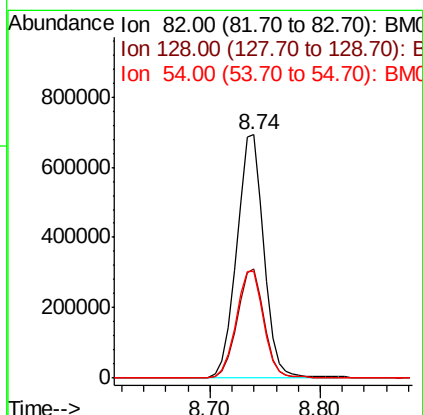
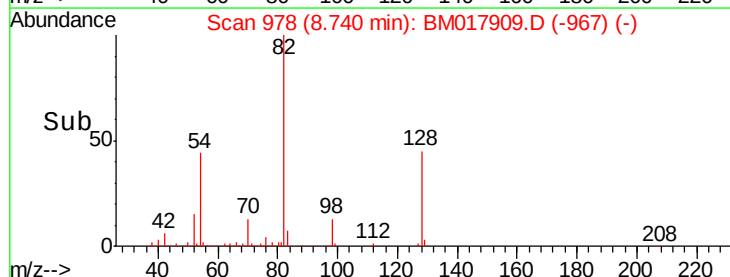
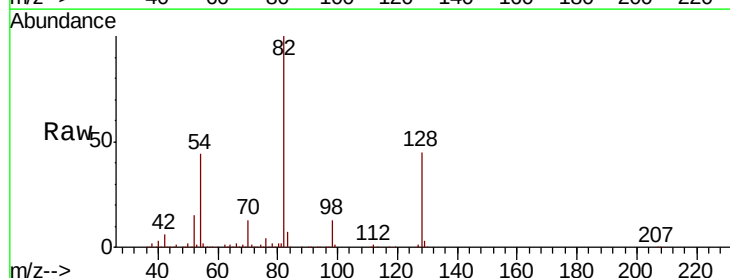
Instrument :
BNA_M
ClientSampleId :
AU-06-112918

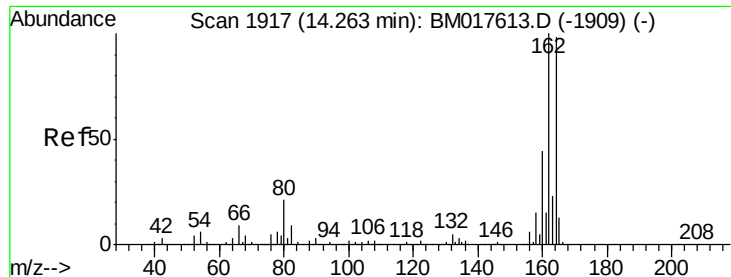
Tgt Ion:	136	Resp:	1090552
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.8	7.0	10.6#
68	5.9	4.9	7.3



#23
Nitrobenzene-d5
Concen: 56.702 ng
RT: 8.74 min Scan# 978
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion:	82	Resp:	1197795
Ion	Ratio	Lower	Upper
82	100		
128	44.8	33.0	49.4
54	43.7	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: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

ClientSampleId :

AU-06-112918

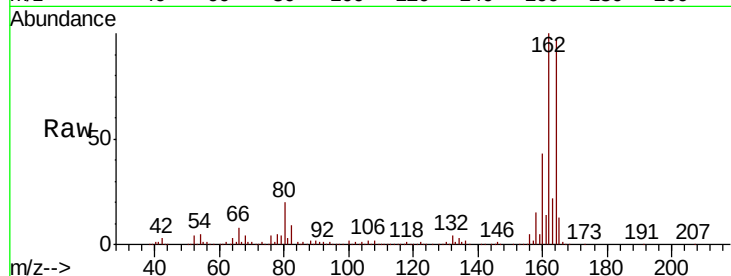
Tgt Ion:164 Resp: 511534

Ion Ratio Lower Upper

164 100

162 103.0 81.4 122.0

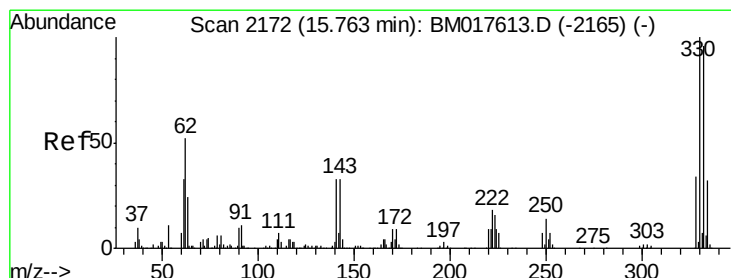
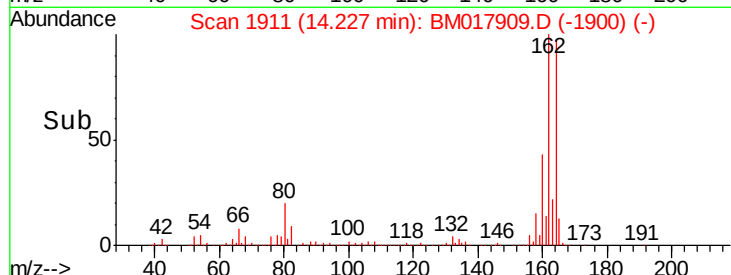
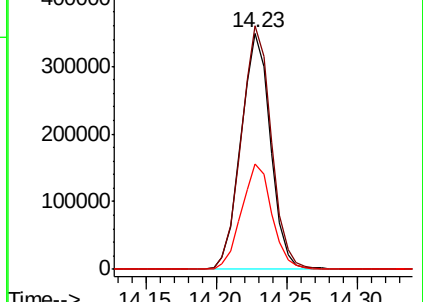
160 44.5 35.6 53.4



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: 78.994 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.03 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

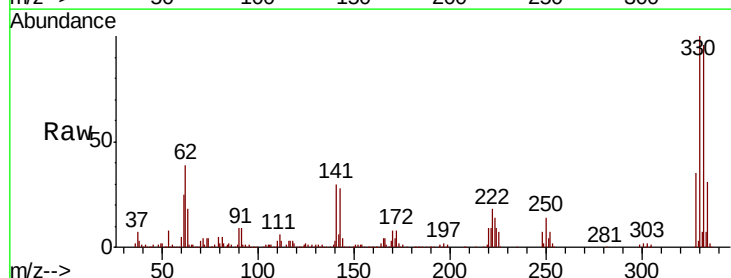
Tgt Ion:330 Resp: 580609

Ion Ratio Lower Upper

330 100

332 97.1 77.9 116.9

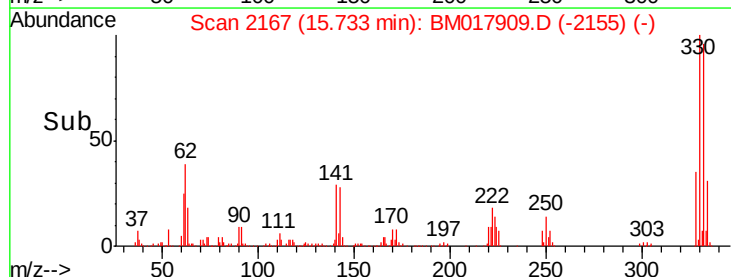
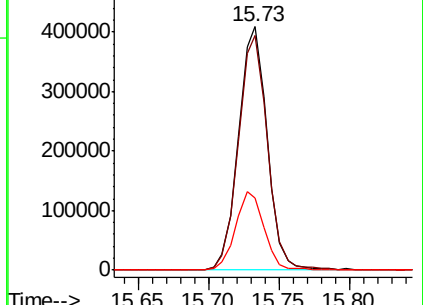
141 32.0 27.5 41.3

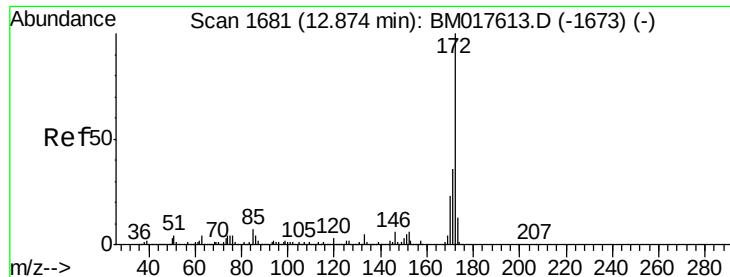


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

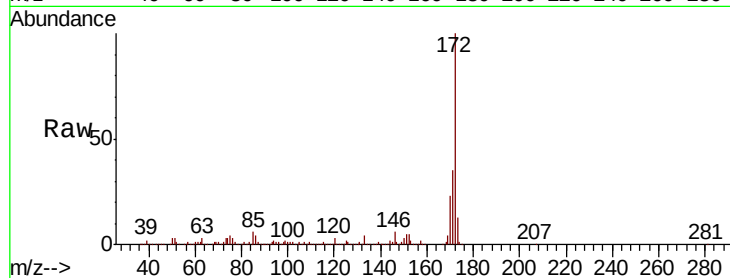




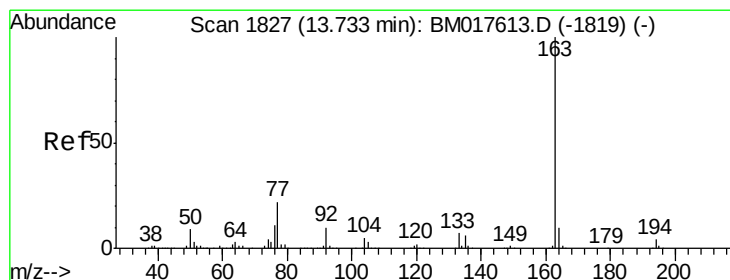
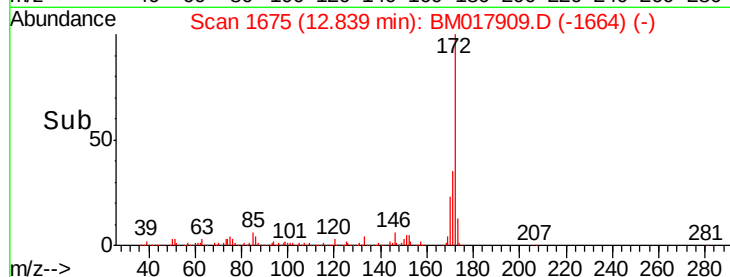
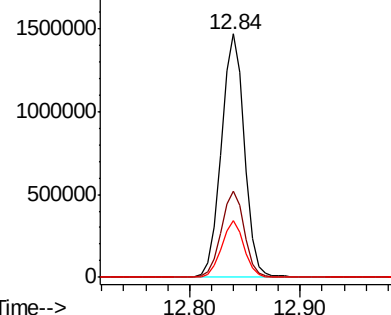
#45
2-Fluorobiphenyl
Concen: 54.781 ng
RT: 12.84 min Scan# 1675
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
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ClientSampleId :
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Tgt Ion:172 Resp: 2159982
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.2 18.3 27.5

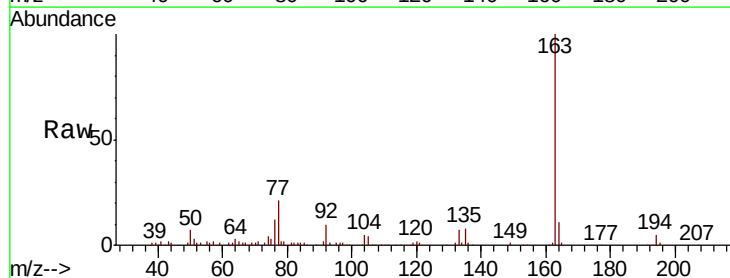


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

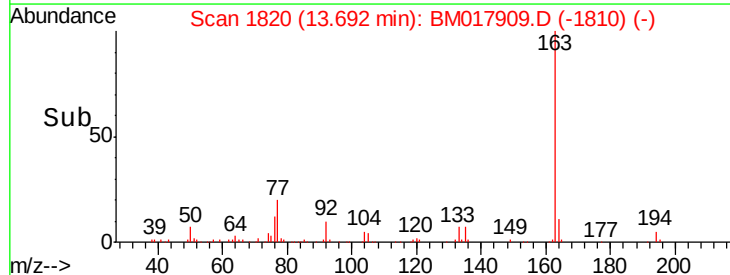
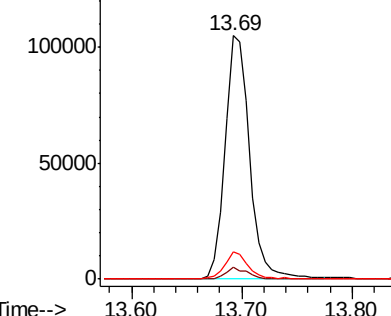


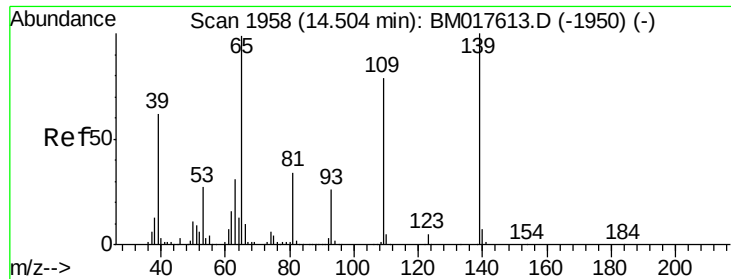
#50
Dimethylphthalate
Concen: 3.960 ng
RT: 13.69 min Scan# 1820
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion:163 Resp: 164692
Ion Ratio Lower Upper
163 100
194 4.9 3.1 4.7#
164 11.3 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

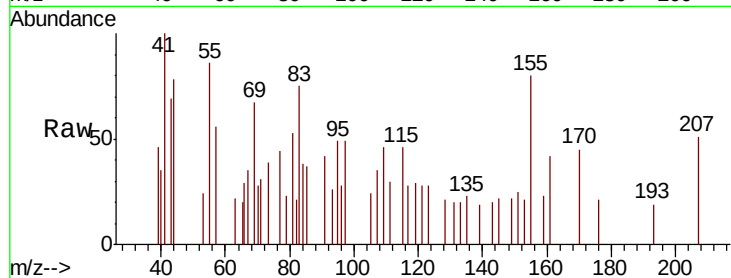




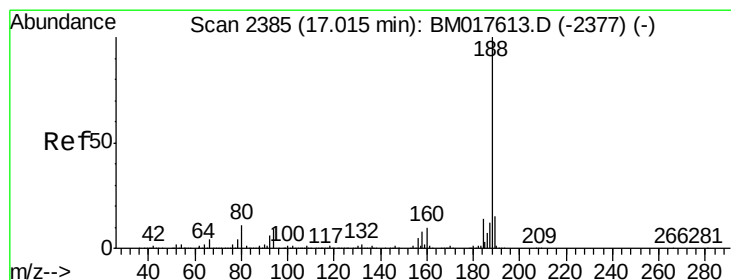
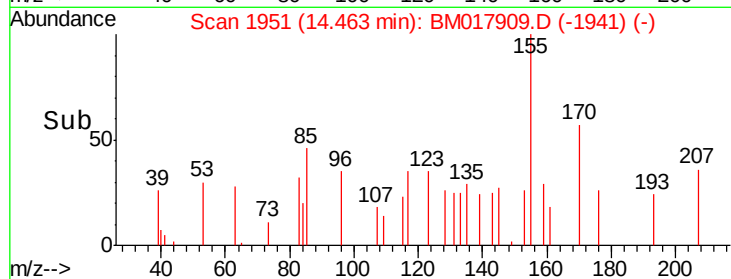
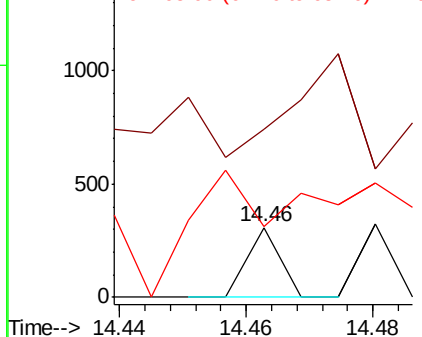
#56
4-Nitrophenol
Concen: 4.968 ng
RT: 14.46 min Scan# 1951
Delta R.T. -0.04 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
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ClientSampleId :
AU-06-112918

Tgt Ion:139 Resp: 109
Ion Ratio Lower Upper
139 100
109 240.1 58.6 98.6#
65 101.9 79.5 119.5

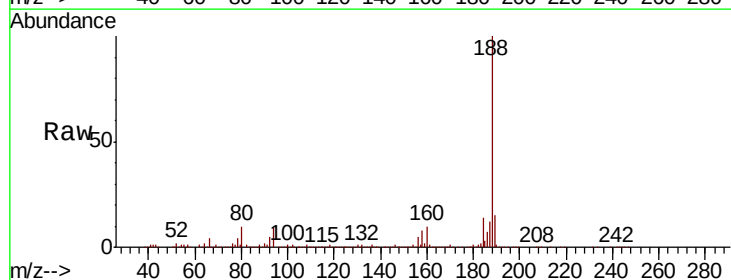


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

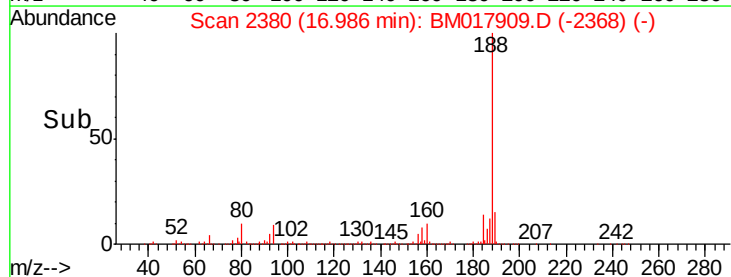
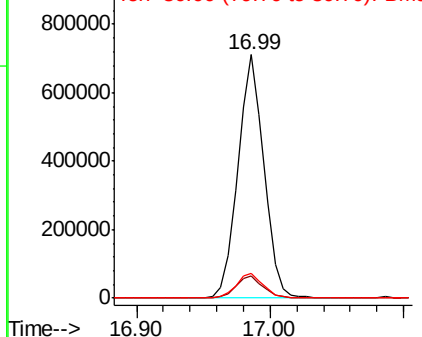


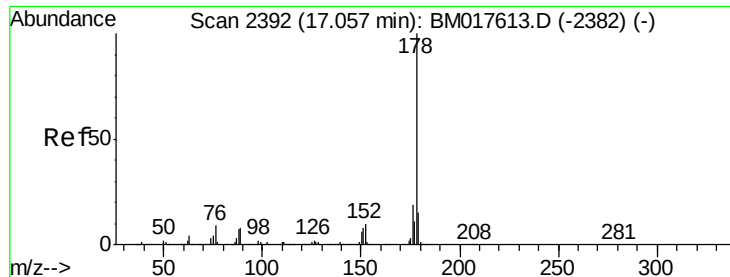
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion:188 Resp: 959359
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 10.4 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

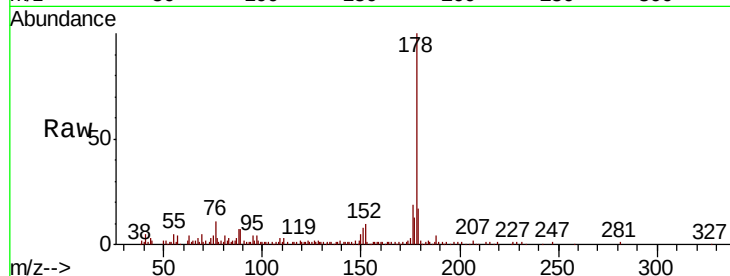




#71
Phenanthrene
Concen: 2.320 ng
RT: 17.03 min Scan# 2387
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	17.4	12.4	18.6

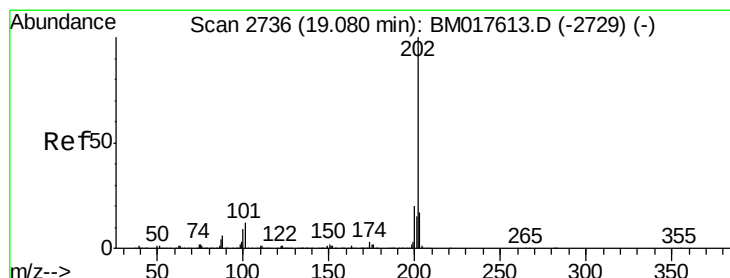
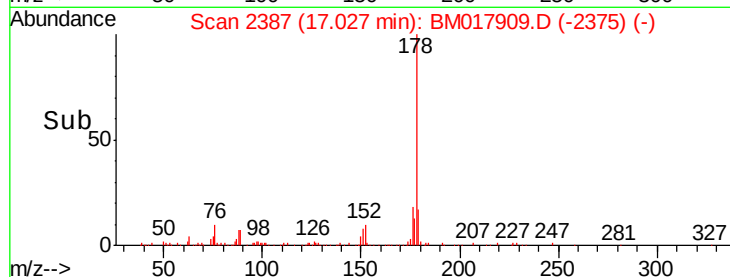
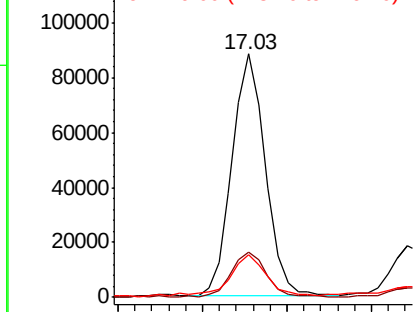


Abundance

Ion 178.00 (177.70 to 178.70): E

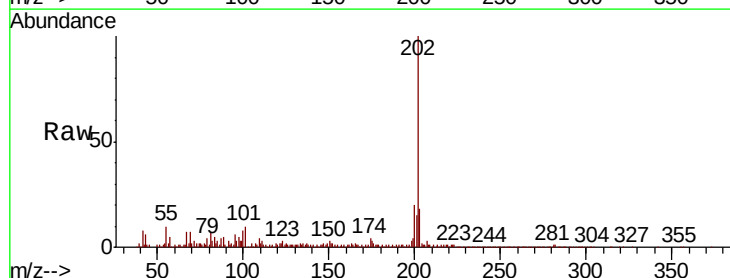
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 5.093 ng
RT: 19.06 min Scan# 2732
Delta R.T. -0.02 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.5
203	18.1	0.0	37.2

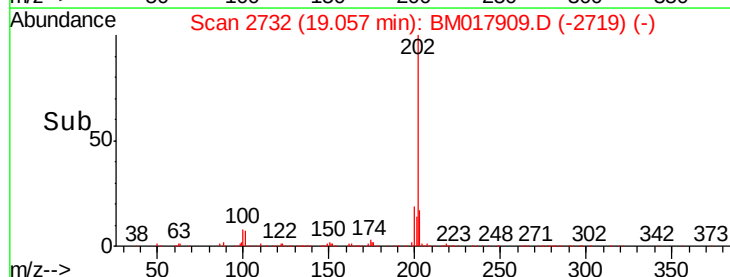
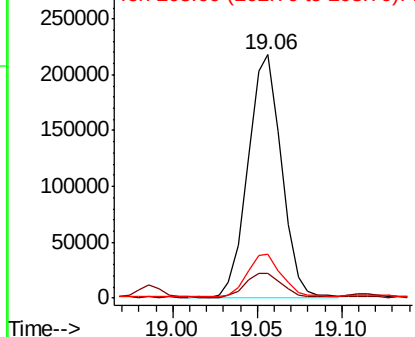


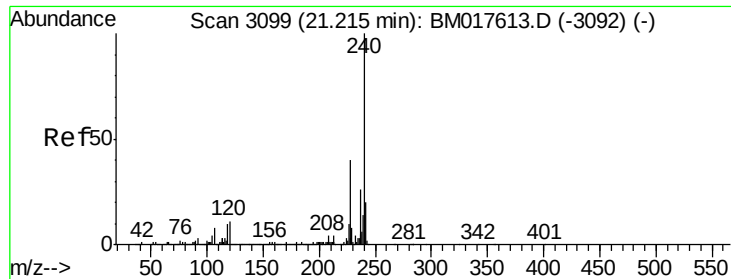
Abundance

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

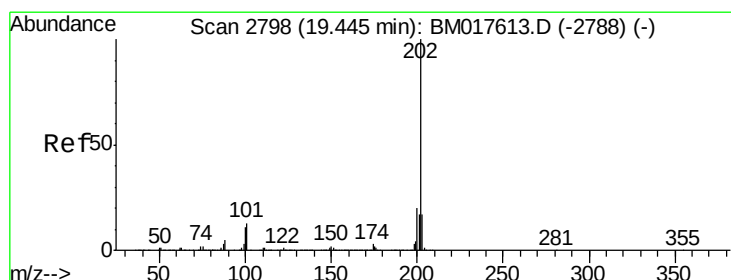
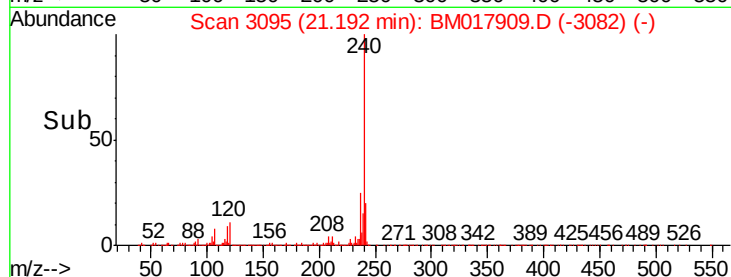
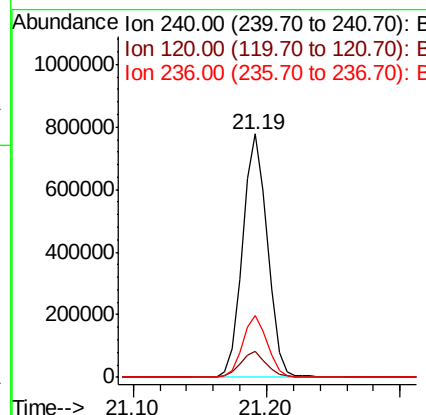
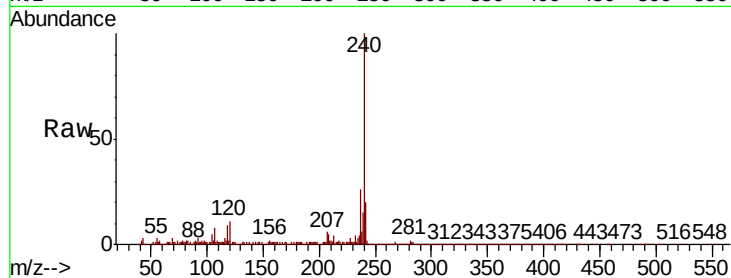




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

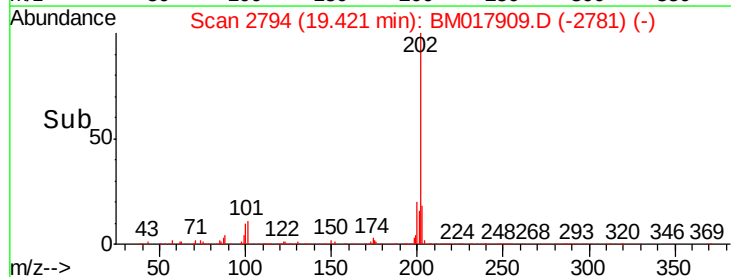
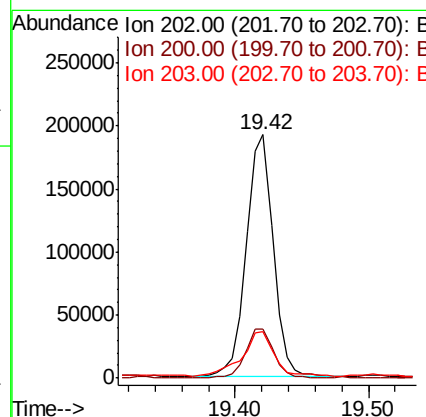
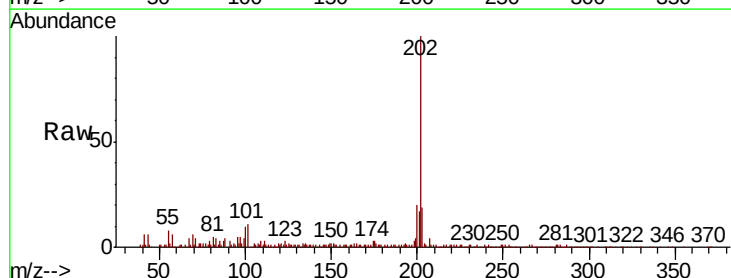
Instrument :
BNA_M
ClientSampleId :
AU-06-112918

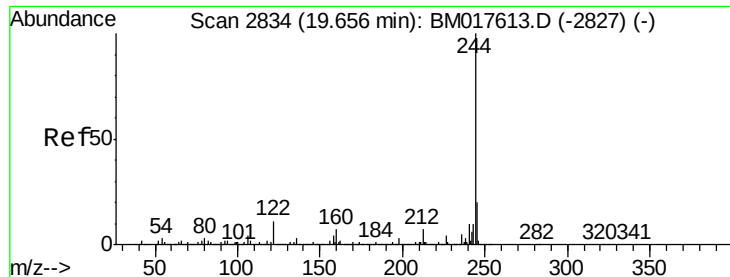
Tgt Ion:240 Resp: 996242
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 25.5 20.4 30.6



#78
Pyrene
Concen: 4.358 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.02 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion:202 Resp: 267856
Ion Ratio Lower Upper
202 100
200 20.3 16.4 24.6
203 19.2 13.8 20.8





#79

Terphenyl-d14

Concen: 51.113 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

ClientSampleId :

AU-06-112918

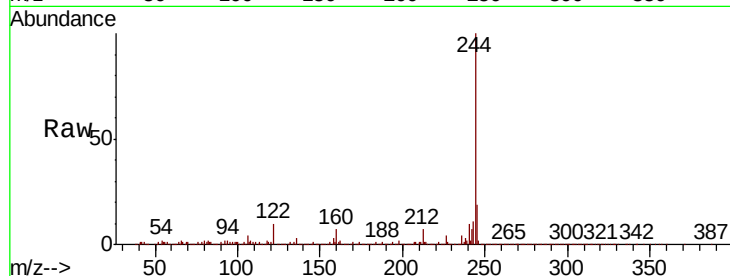
Tgt Ion:244 Resp: 2246775

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

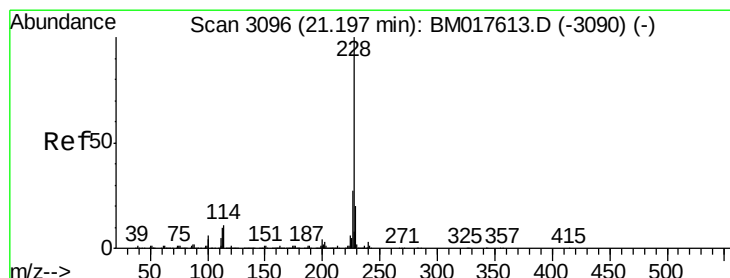
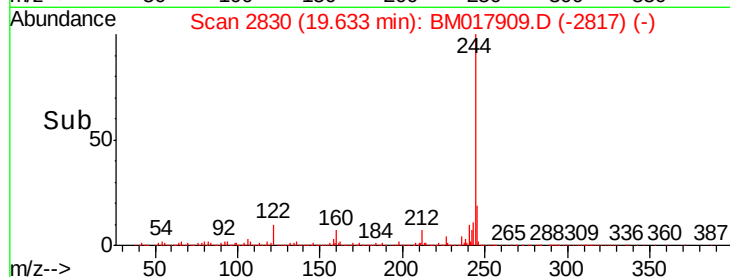
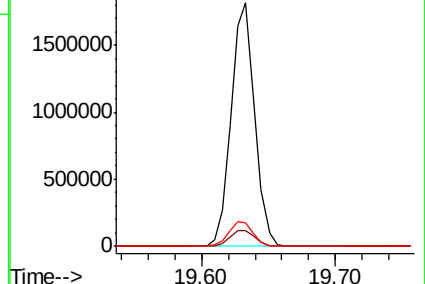
122 9.9 9.0 13.6



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: 2.607 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

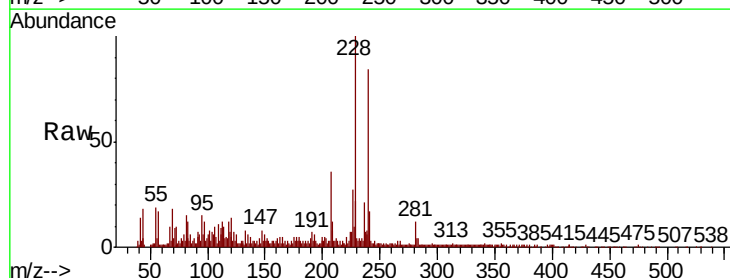
Tgt Ion:228 Resp: 149619

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

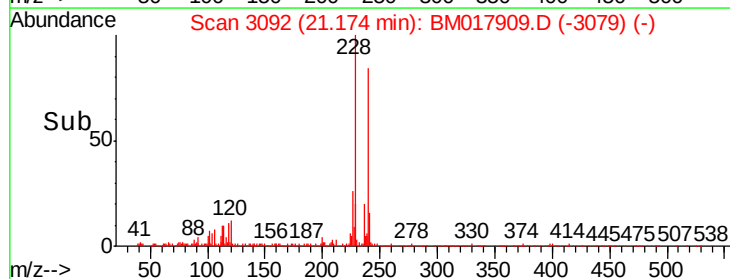
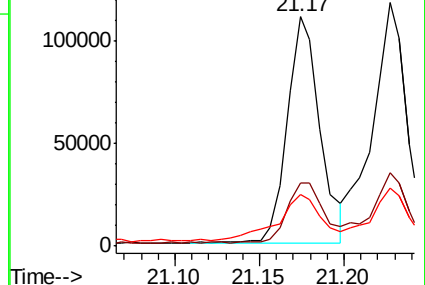
229 22.3 16.0 24.0

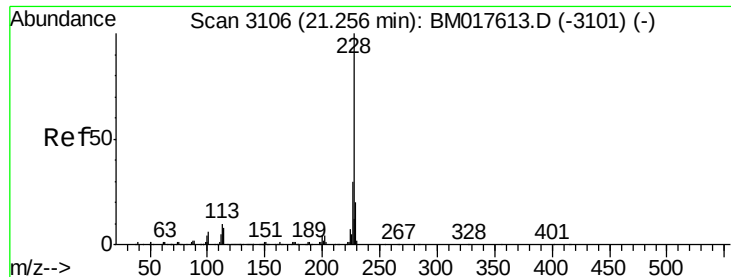


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.592 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.08 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

ClientSampleId :

AU-06-112918

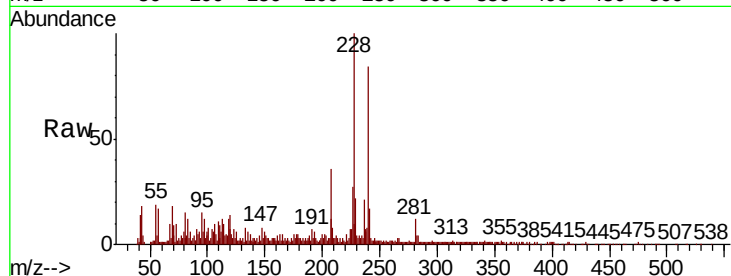
Tgt Ion:228 Resp: 144520

Ion Ratio Lower Upper

228 100

226 27.3 23.6 35.4

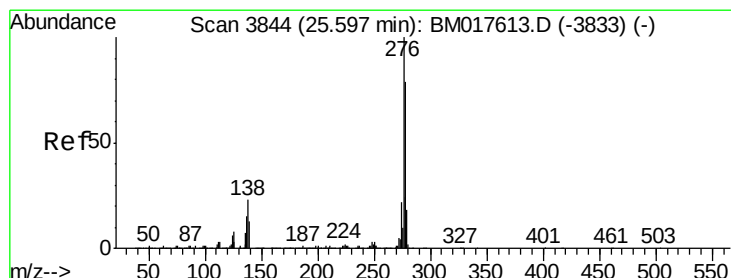
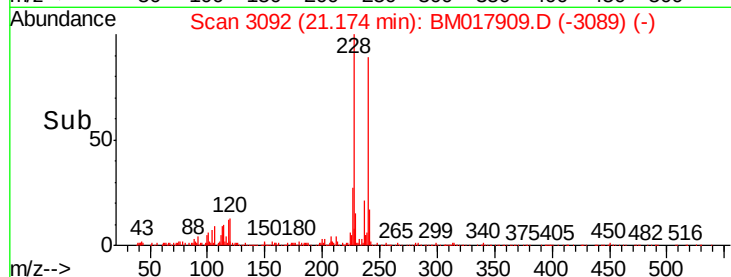
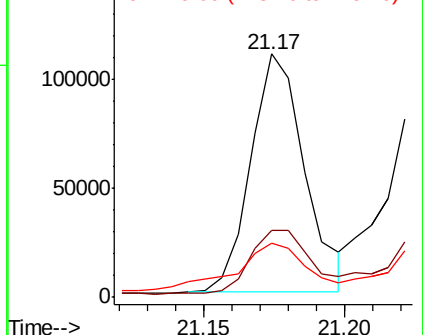
229 22.3 15.8 23.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.172 ng

RT: 25.54 min Scan# 3835

Delta R.T. -0.05 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

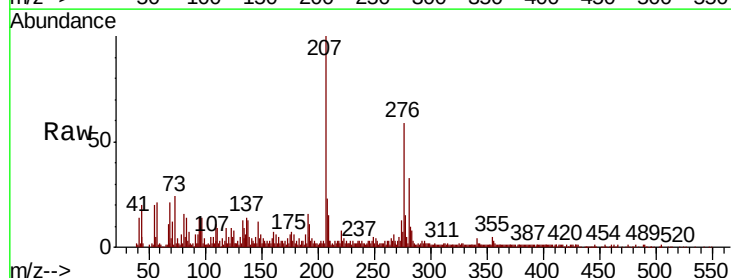
Tgt Ion:276 Resp: 141311

Ion Ratio Lower Upper

276 100

138 20.1 19.1 28.7

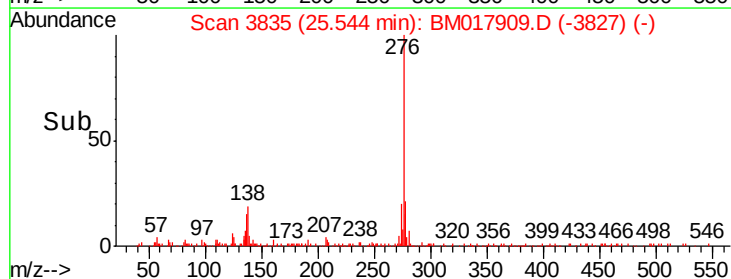
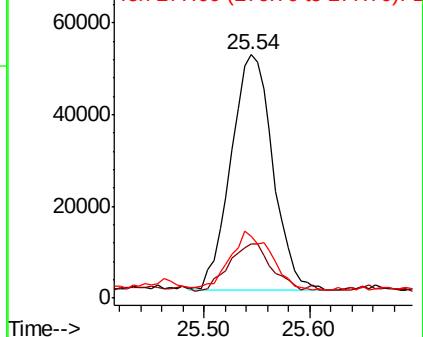
277 24.9 20.0 30.0

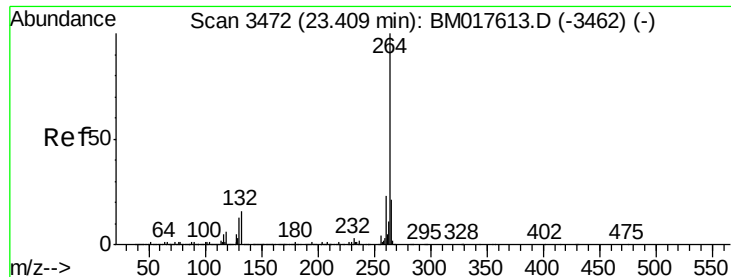


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



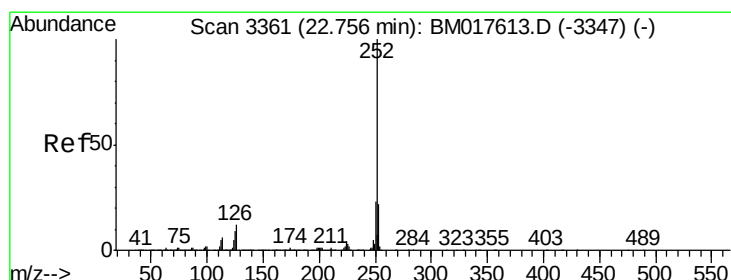
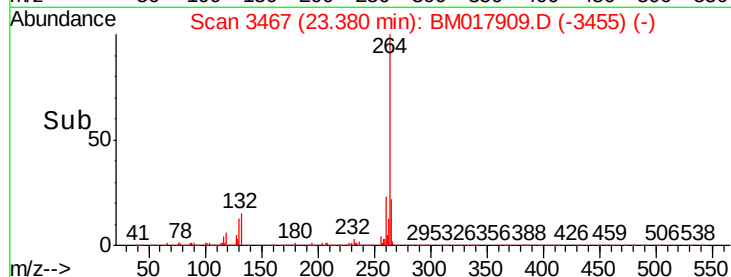
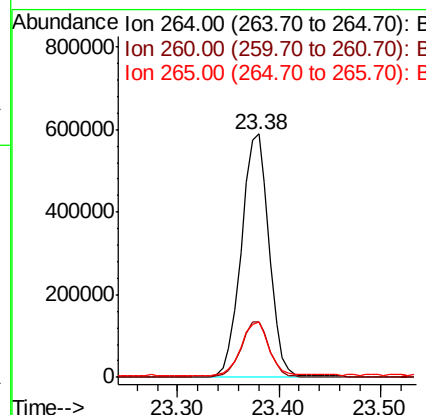
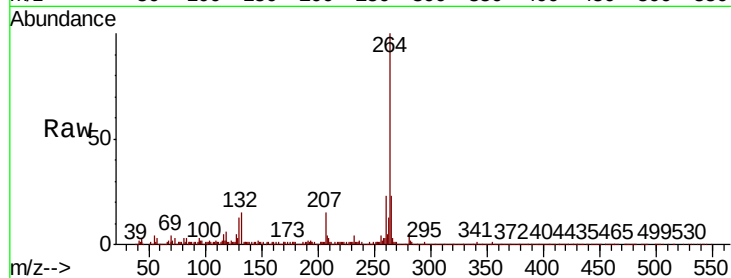


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3467
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Instrument :
BNA_M
ClientSampleId :
AU-06-112918

Tgt Ion:264 Resp: 1114046

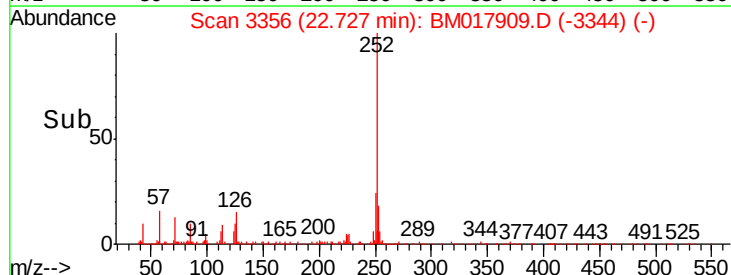
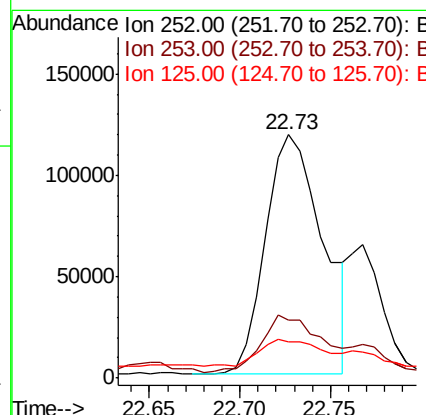
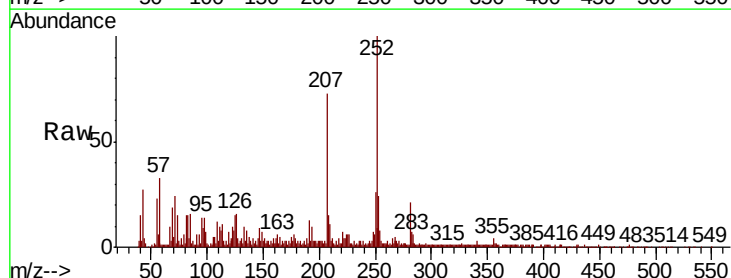
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	22.6	17.5	26.3

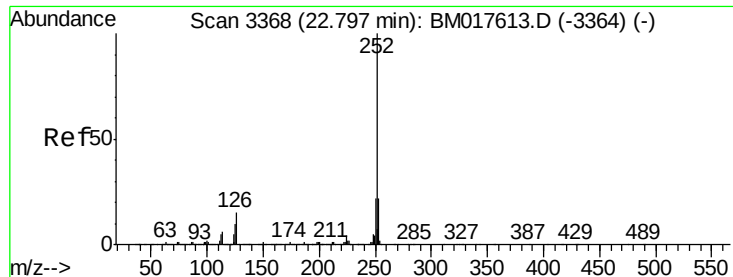


#88
Benzo(b)fluoranthene
Concen: 3.983 ng
RT: 22.73 min Scan# 3356
Delta R.T. -0.03 min
Lab File: BM017909.D
Acq: 04 Dec 2018 19:10

Tgt Ion:252 Resp: 259833

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	14.9	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 3.948 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.07 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

ClientSampleId :

AU-06-112918

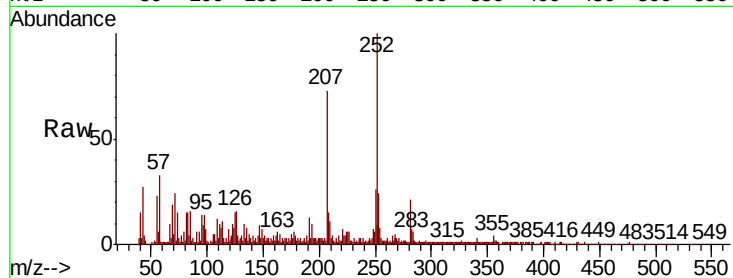
Tgt Ion:252 Resp: 260360

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 14.9 7.9 11.9#

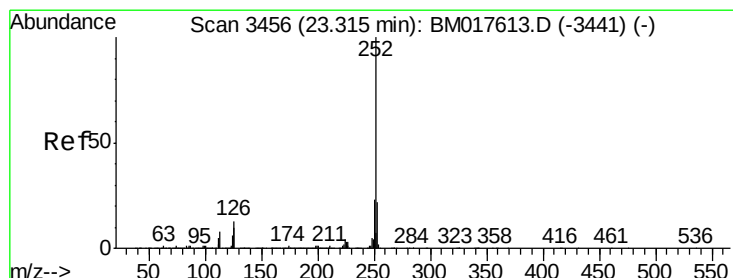
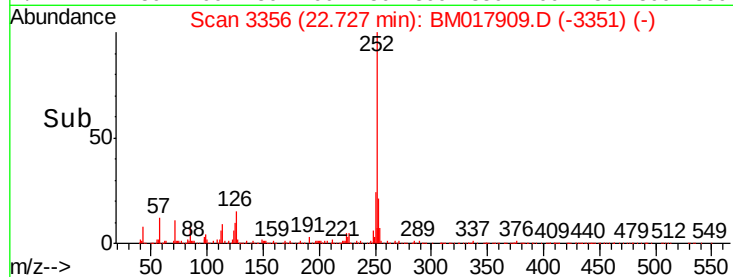
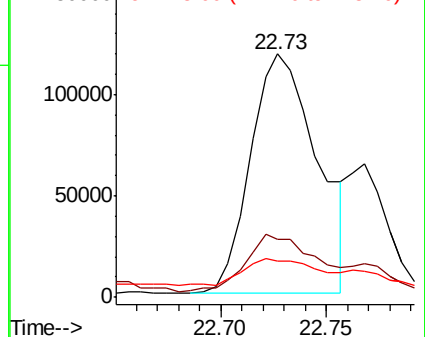


Abundance

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: 3.011 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

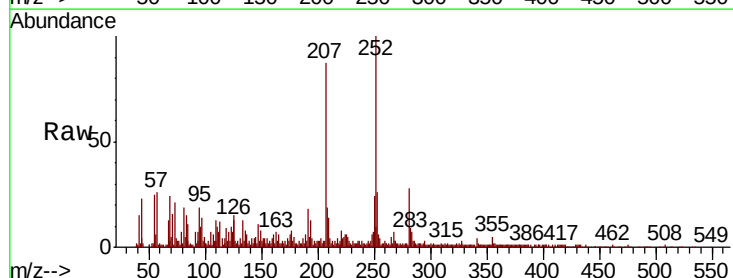
Tgt Ion:252 Resp: 179139

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.2

125 15.3 8.2 12.2#

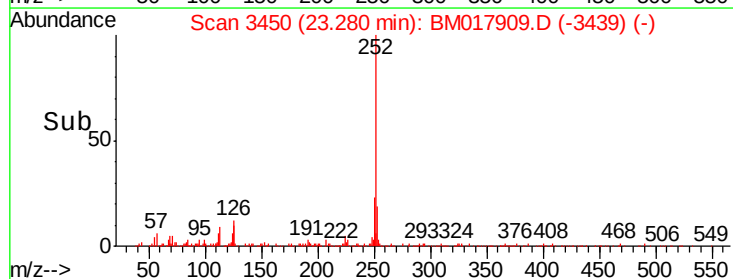
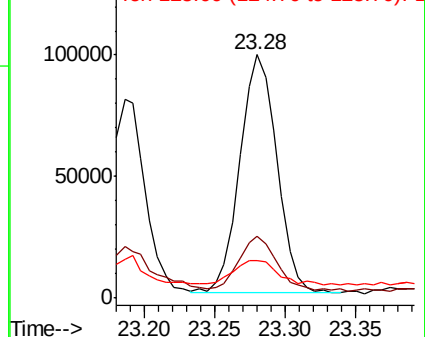


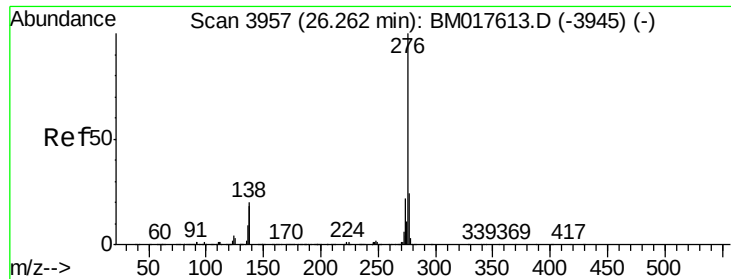
Abundance

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





#92

Benzo(g,h,i)perylene

Concen: 3.234 ng

RT: 26.21 min Scan# 3948

Delta R.T. -0.05 min

Lab File: BM017909.D

Acq: 04 Dec 2018 19:10

Instrument :

BNA_M

ClientSampleId :

AU-06-112918

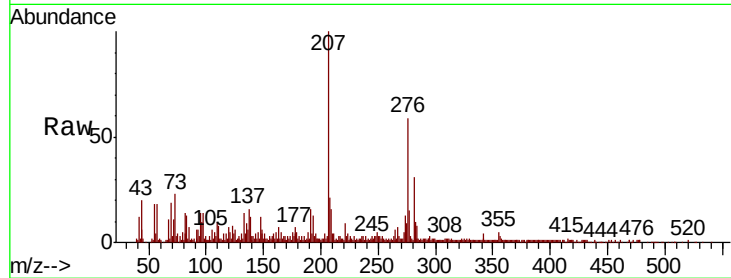
Tgt Ion: 276 Resp: 152094

Ion Ratio Lower Upper

276 100

277 26.1 19.0 28.4

138 19.7 15.9 23.9



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

