

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120518\
 Data File : BM017911.D
 Acq On : 04 Dec 2018 20:23
 Operator : JU/SJ
 Sample : J5770-13 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-112918-A

Quant Time: Dec 05 00:26:38 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

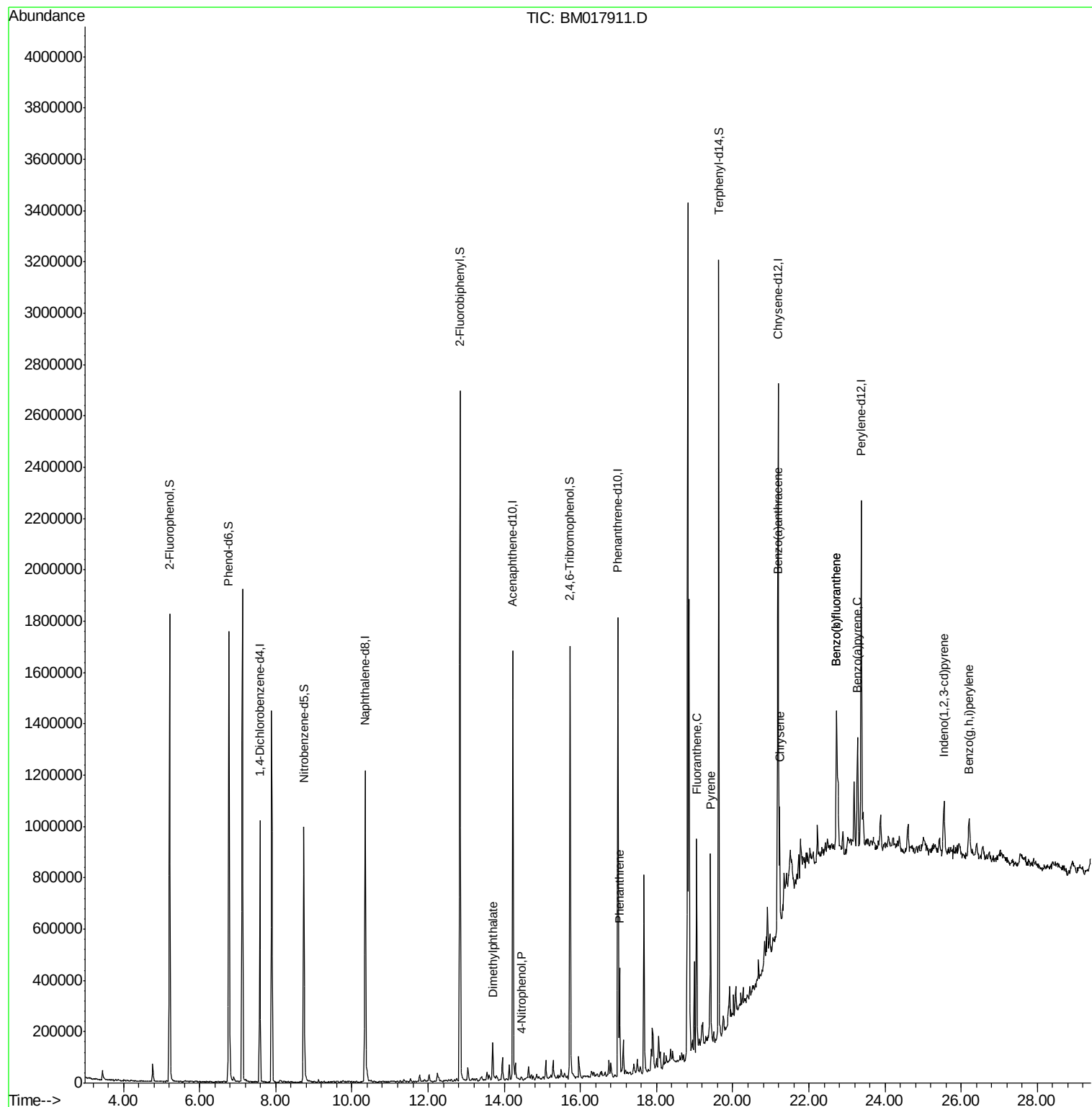
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	272346	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1071147	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	543004	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	1012353	20.00	ng	-0.03
76) Chrysene-d12	21.19	240	890841	20.00	ng	-0.02
87) Perylene-d12	23.37	264	969819	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	784525	48.61	ng	-0.03
7) Phenol-d6	6.77	99	1062017	47.12	ng	-0.03
23) Nitrobenzene-d5	8.73	82	618549	29.81	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	336460	43.12	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	1406501	33.60	ng	-0.04
79) Terphenyl-d14	19.63	244	1393725	35.46	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.70	163	93249	2.112	ng	Qvalue 98
56) 4-Nitrophenol	14.47	139	132	4.969	ng	# 5
71) Phenanthrene	17.03	178	249846	4.548	ng	98
75) Fluoranthene	19.06	202	478039	7.691	ng	98
78) Pyrene	19.42	202	450763	8.201	ng	99
81) Benzo(a)anthracene	21.17	228	273703	5.333	ng	94
83) Chrysene	21.23	228	254830	5.112	ng	97
86) Indeno(1,2,3-cd)pyrene	25.54	276	198498	4.983	ng	95
88) Benzo(b)fluoranthene	22.73	252	385020	6.779	ng	# 93
89) Benzo(k)fluoranthene	22.73	252	383087	6.673	ng	# 94
90) Benzo(a)pyrene	23.28	252	275596	5.322	ng	# 94
92) Benzo(g,h,i)perylene	26.21	276	184603	4.509	ng	95

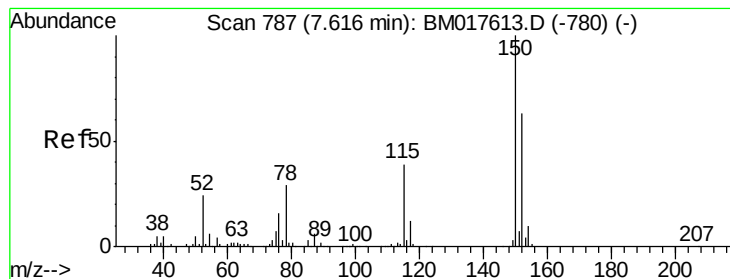
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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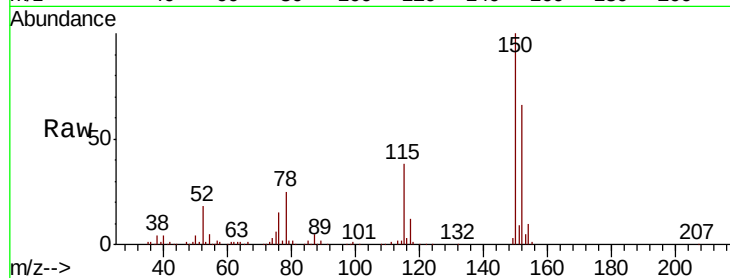


#1

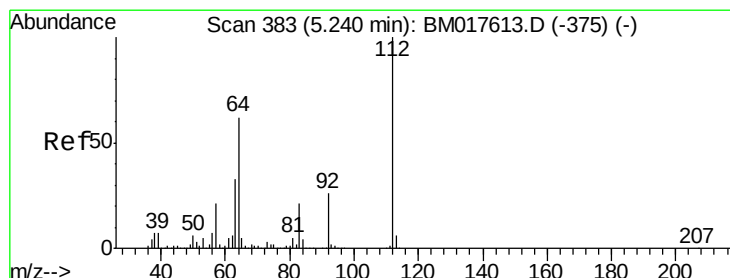
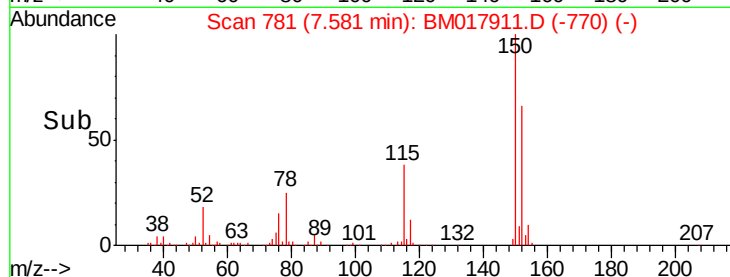
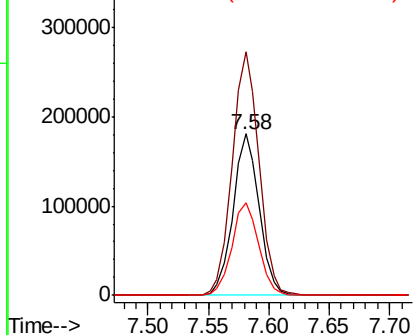
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017911.D
Acq: 04 Dec 2018 20:23

Instrument :
BNA_M
ClientSampleId :
OR-03-112918-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.1	126.4	189.6
115	57.2	49.4	74.0



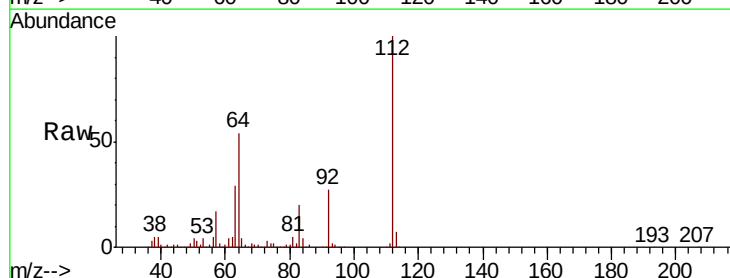
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



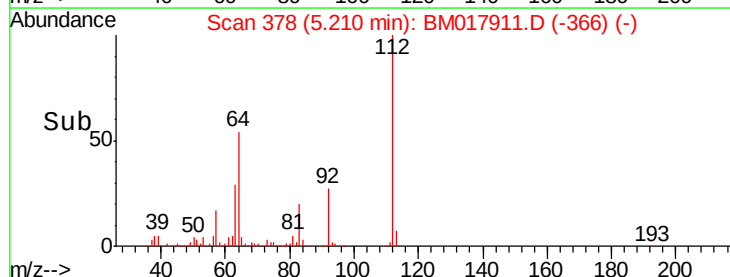
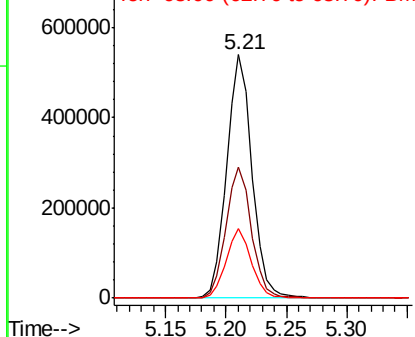
#5

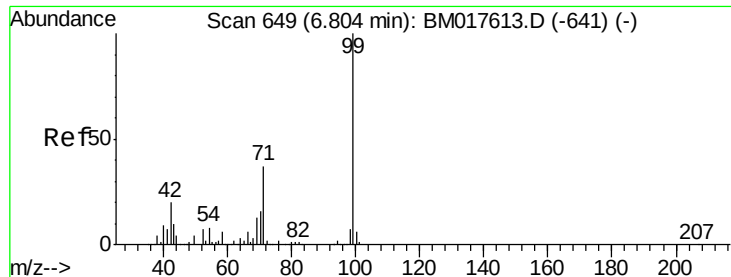
2-Fluorophenol
Concen: 48.615 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017911.D
Acq: 04 Dec 2018 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	49.3	73.9
63	28.8	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: 47.120 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

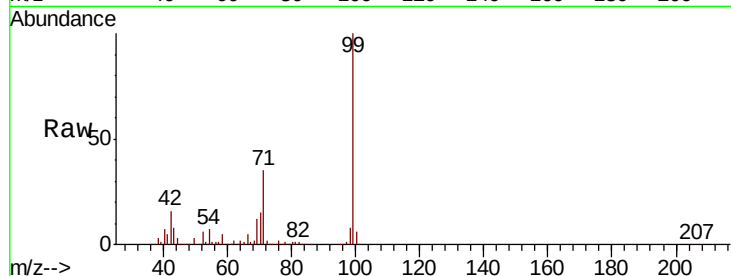
Tgt Ion: 99 Resp: 1062017

Ion Ratio Lower Upper

99 100

42 15.7 16.3 24.5#

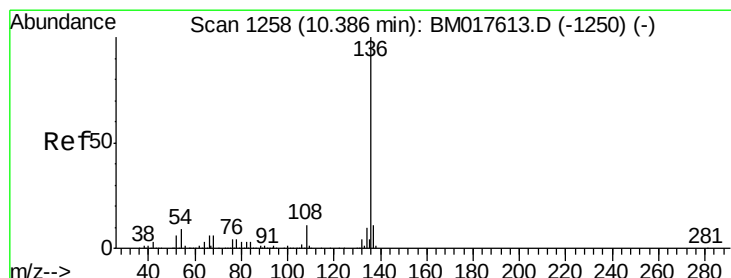
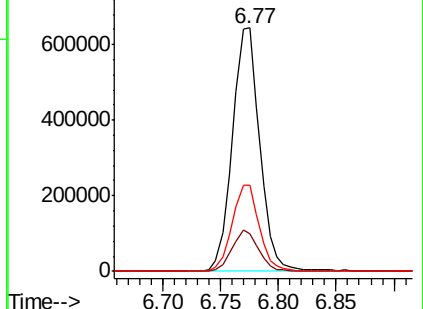
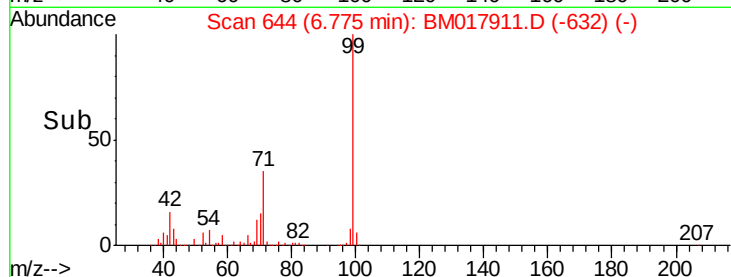
71 35.2 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1252

Delta R.T. -0.04 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Tgt Ion: 136 Resp: 1071147

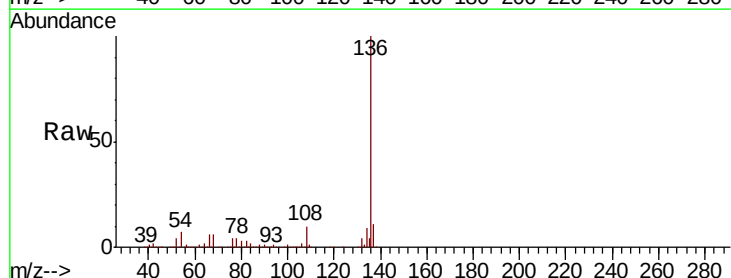
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.7 7.0 10.6#

68 5.8 4.9 7.3

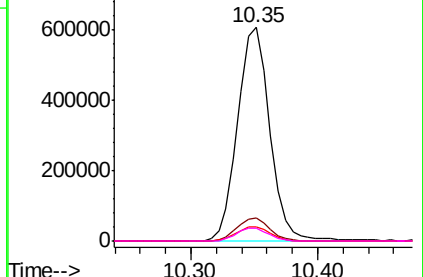
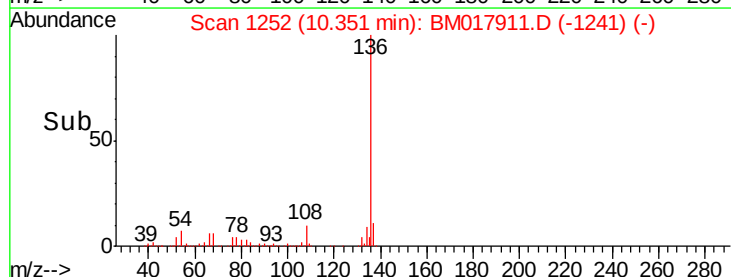


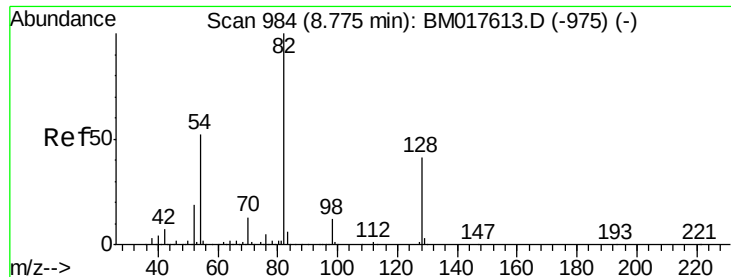
Abundance Ion 136.00 (135.70 to 136.70): BM017613.D (-1250) (-)

Ion 137.00 (136.70 to 137.70): BM017613.D (-1250) (-)

Ion 54.00 (53.70 to 54.70): BM017613.D (-1250) (-)

Ion 68.00 (67.70 to 68.70): BM017613.D (-1250) (-)

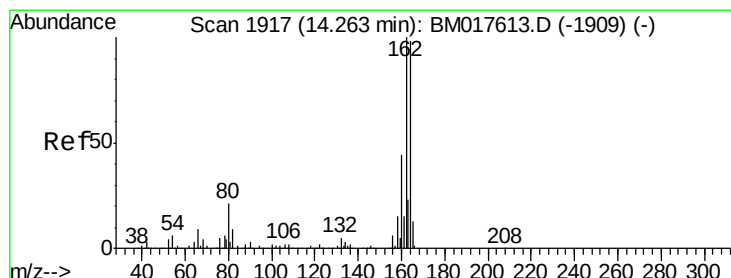
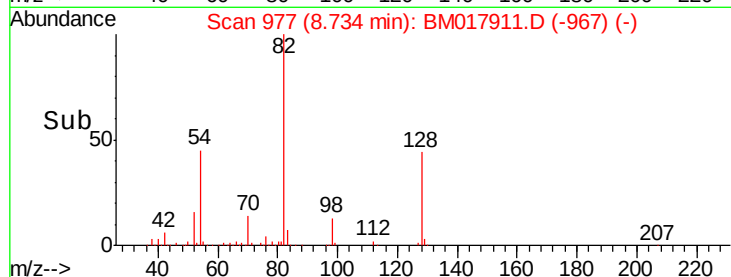
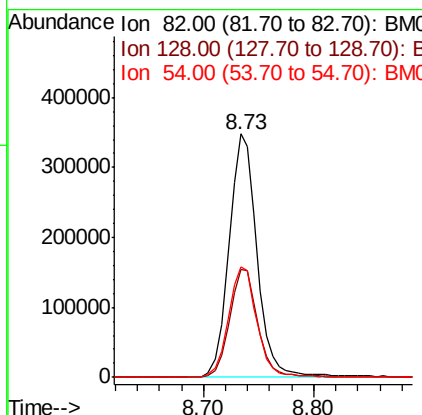
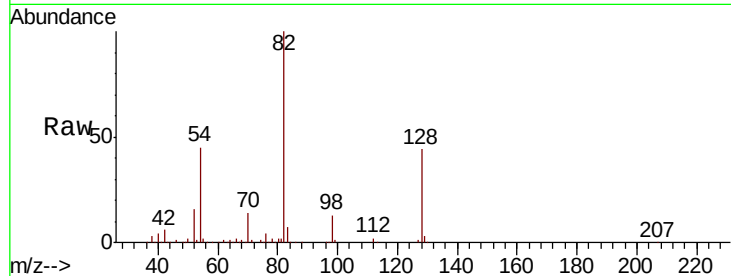




#23
 Nitrobenzene-d5
 Concen: 29.812 ng
 RT: 8.73 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: BM017911.D
 Acq: 04 Dec 2018 20:23

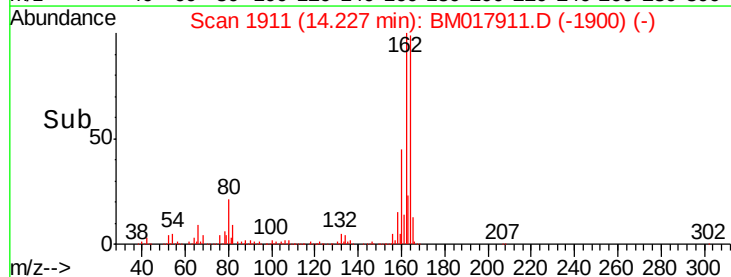
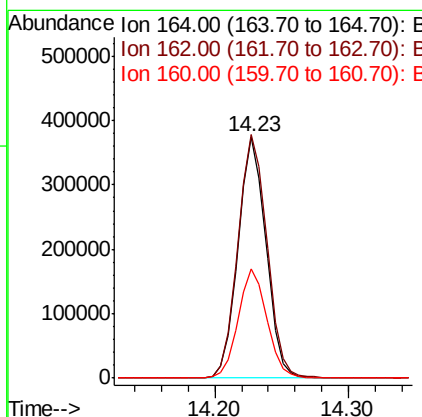
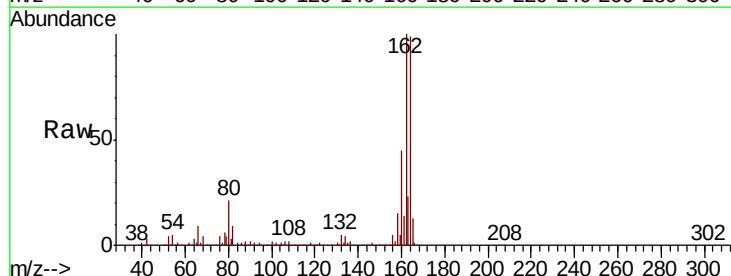
Instrument :
 BNA_M
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 OR-03-112918-A

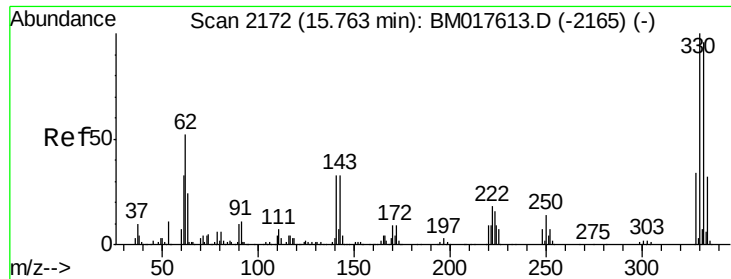
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	33.0	49.4
54	45.2	41.4	62.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.23 min Scan# 1911
 Delta R.T. -0.04 min
 Lab File: BM017911.D
 Acq: 04 Dec 2018 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.4	122.0
160	45.0	35.6	53.4

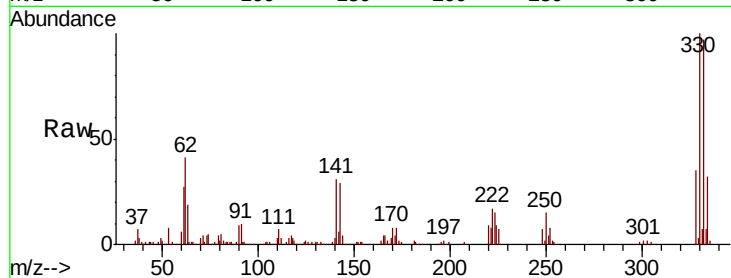




#42
 2,4,6-Tribromophenol
 Concen: 43.124 ng
 RT: 15.73 min Scan# 2167
 Delta R.T. -0.03 min
 Lab File: BM017911.D
 Acq: 04 Dec 2018 20:23

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-112918-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.9	116.9
141	32.6	27.5	41.3

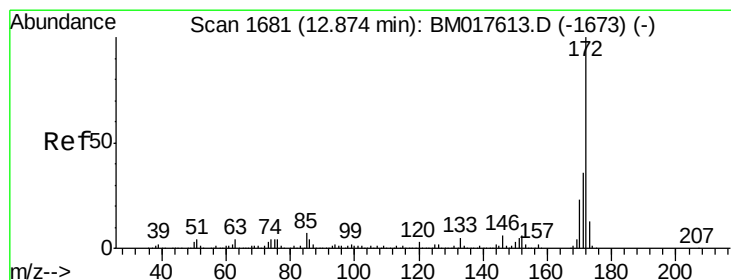
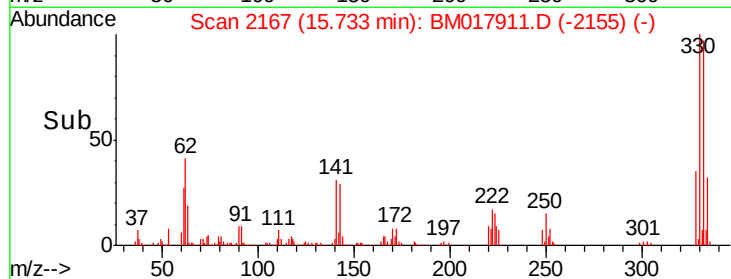
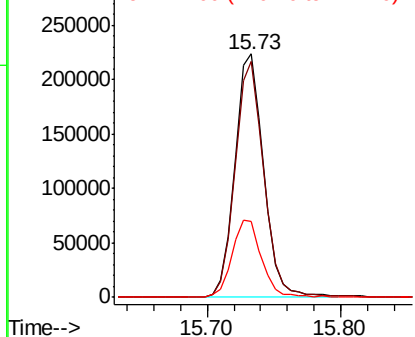


Abundance

Ion 329.80 (329.50 to 330.50): E

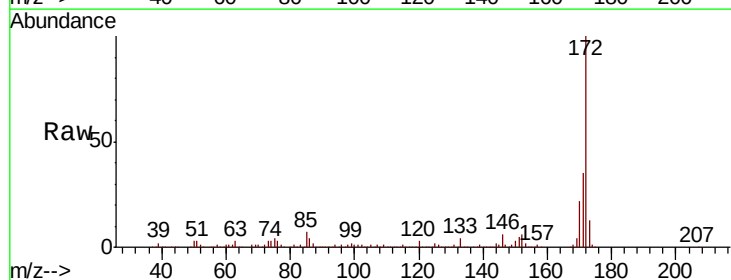
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 33.604 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.04 min
 Lab File: BM017911.D
 Acq: 04 Dec 2018 20:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	22.4	18.3	27.5

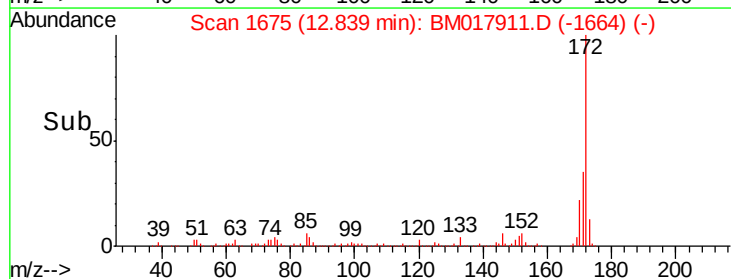
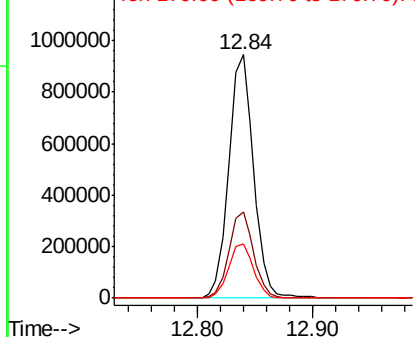


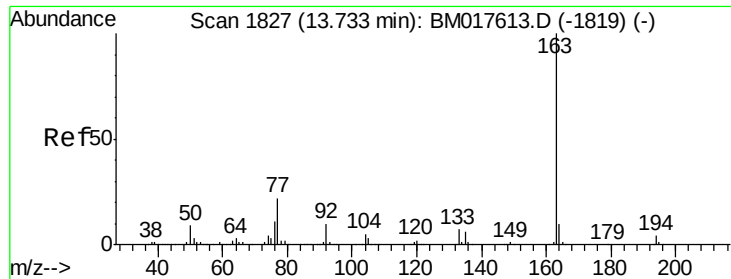
Abundance

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





#50

Dimethylphthalate

Concen: 2.112 ng

RT: 13.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

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OR-03-112918-A

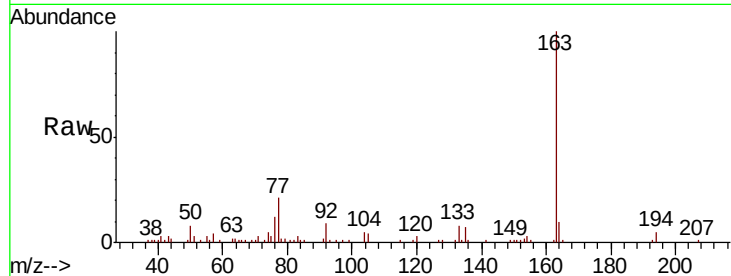
Tgt Ion:163 Resp: 93249

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

164 9.7 8.2 12.4

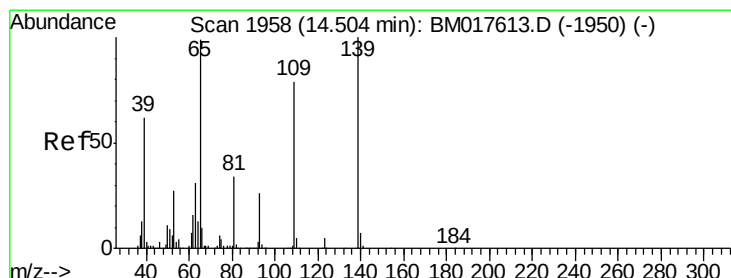
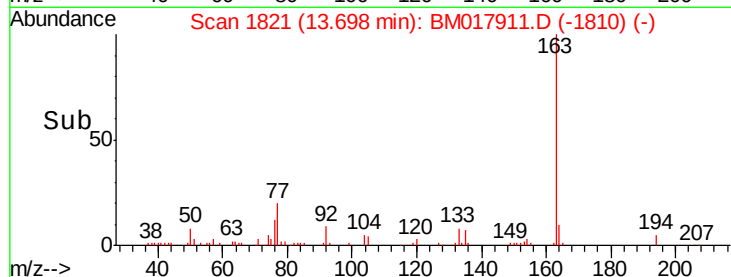
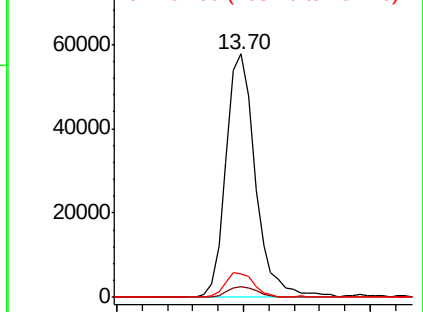


Abundance

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: 4.969 ng

RT: 14.47 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

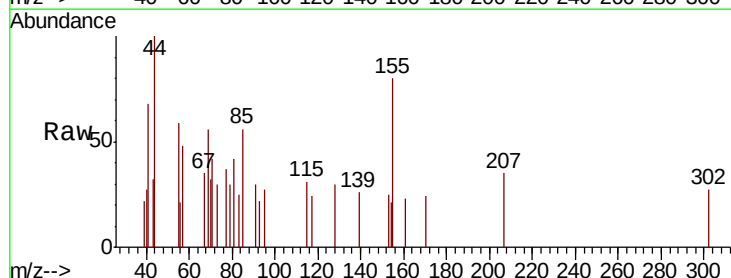
Tgt Ion:139 Resp: 132

Ion Ratio Lower Upper

139 100

109 0.0 58.6 98.6#

65 0.0 79.5 119.5#

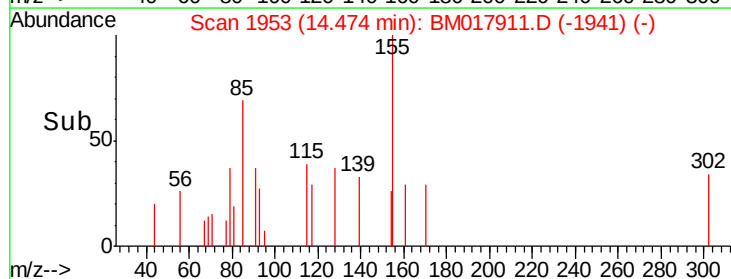
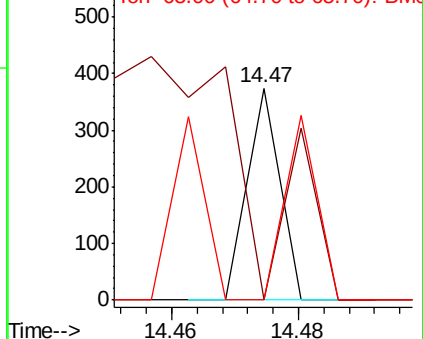


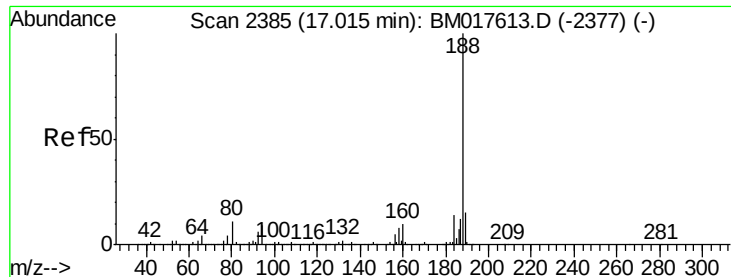
Abundance

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): E

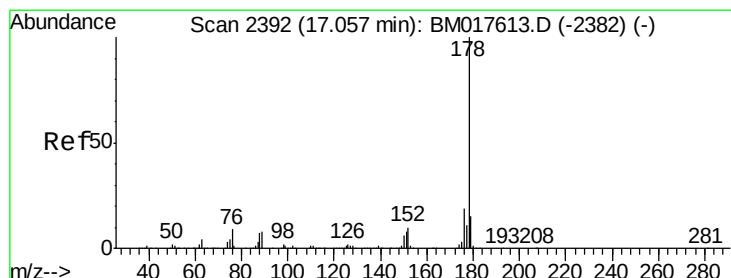
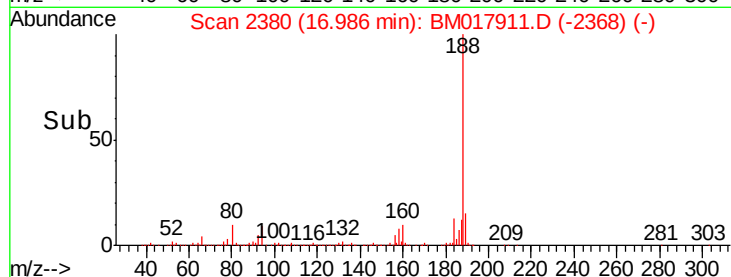
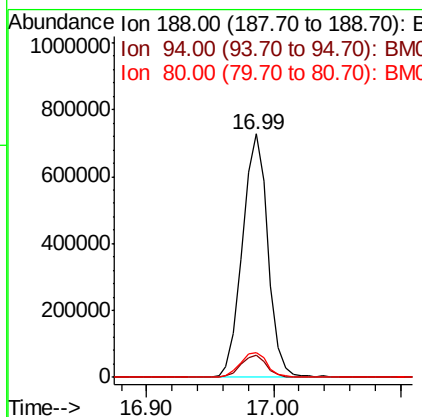
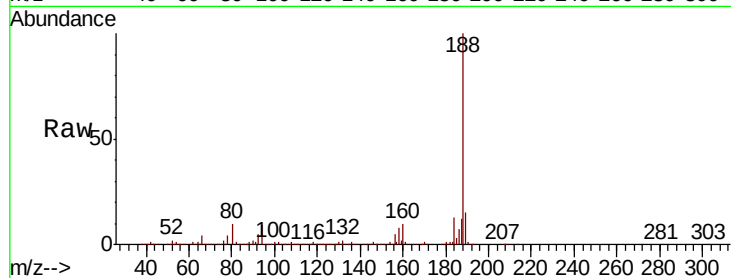




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017911.D
Acq: 04 Dec 2018 20:23

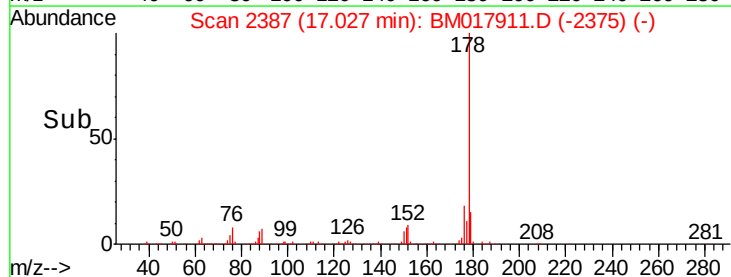
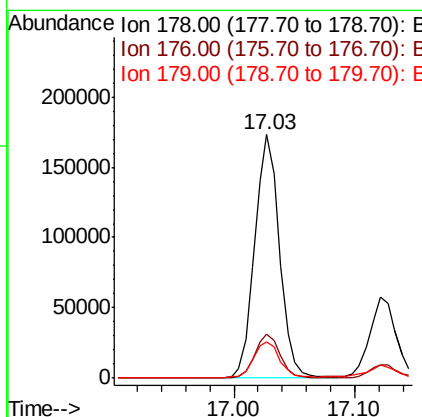
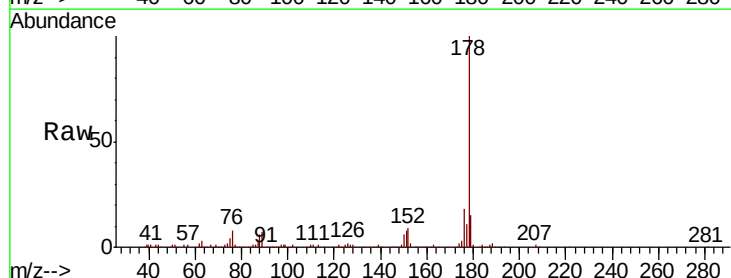
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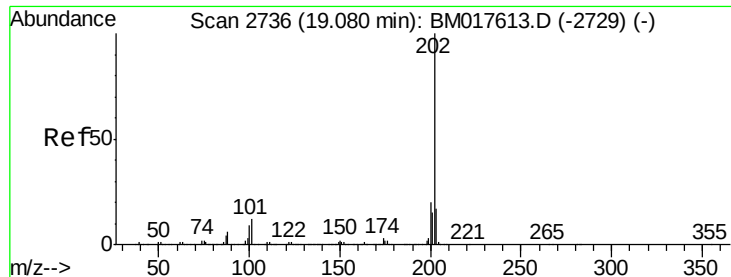
Tgt Ion:188 Resp: 1012353
Ion Ratio Lower Upper
188 100
94 8.9 7.5 11.3
80 10.0 8.6 13.0



#71
Phenanthrene
Concen: 4.548 ng
RT: 17.03 min Scan# 2387
Delta R.T. -0.03 min
Lab File: BM017911.D
Acq: 04 Dec 2018 20:23

Tgt Ion:178 Resp: 249846
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 14.8 12.4 18.6





#75

Fluoranthene

Concen: 7.691 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.02 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

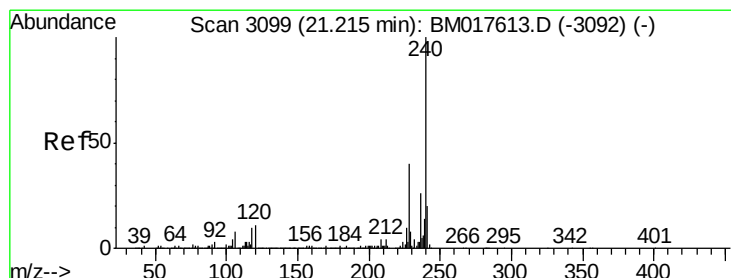
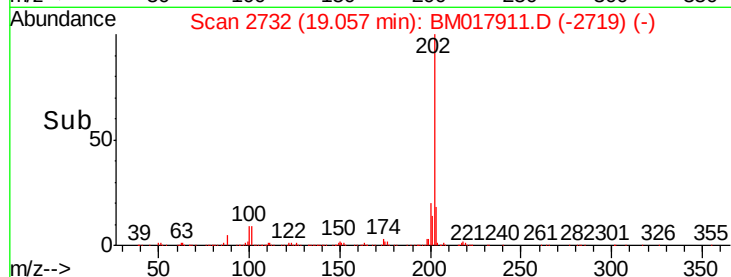
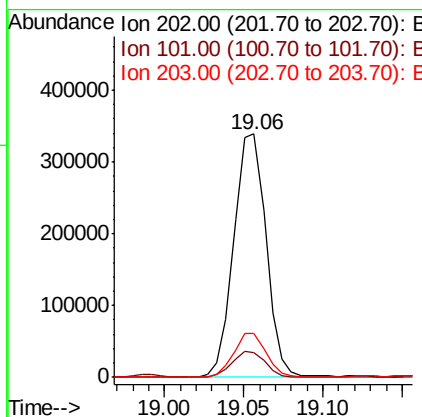
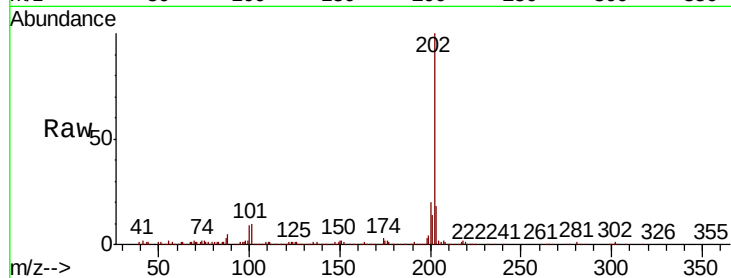
Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

Tgt Ion:	202	Resp:	478039
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.5
203	17.8	0.0	37.2



#76

Chrysene-d12

Concen: 20.000 ng

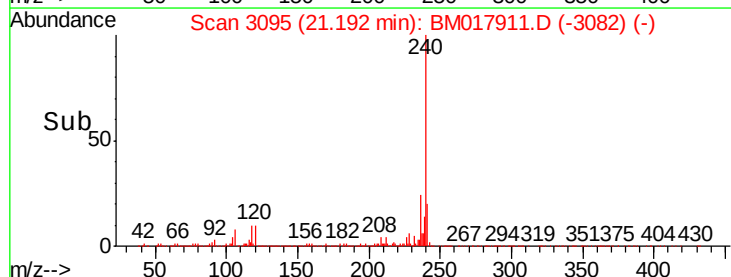
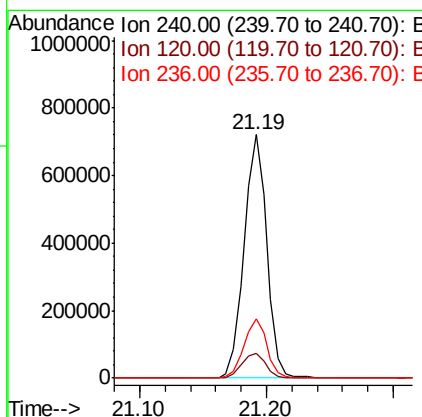
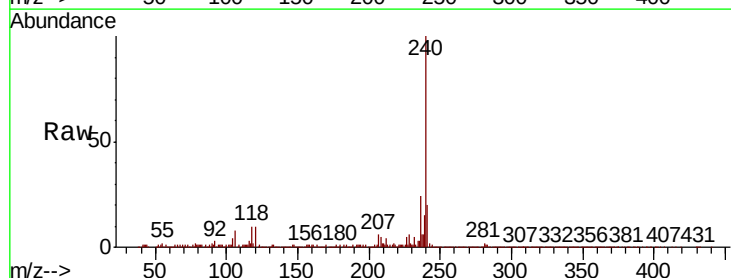
RT: 21.19 min Scan# 3095

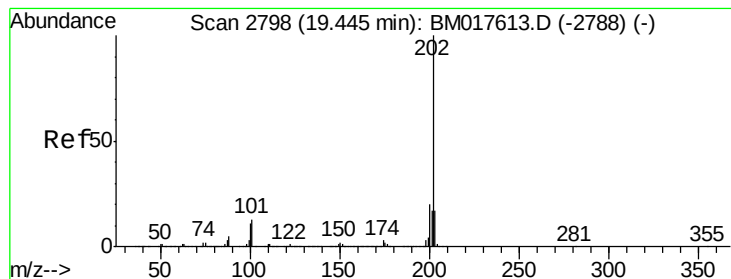
Delta R.T. -0.02 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Tgt Ion:	240	Resp:	890841
Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.5	12.7
236	24.4	20.4	30.6





#78

Pyrene

Concen: 8.201 ng

RT: 19.42 min Scan# 2793

Delta R.T. -0.03 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

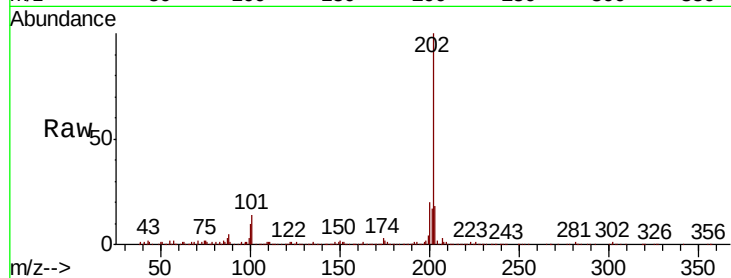
Tgt Ion:202 Resp: 450763

Ion Ratio Lower Upper

202 100

200 20.0 16.4 24.6

203 18.0 13.8 20.8

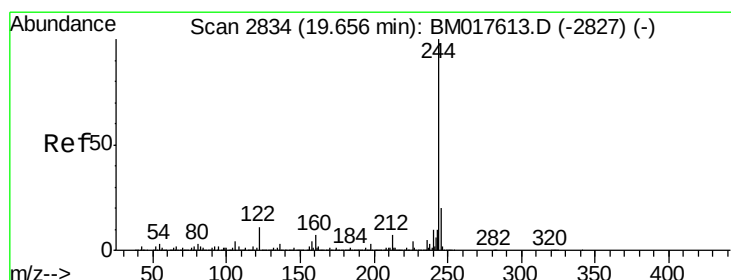
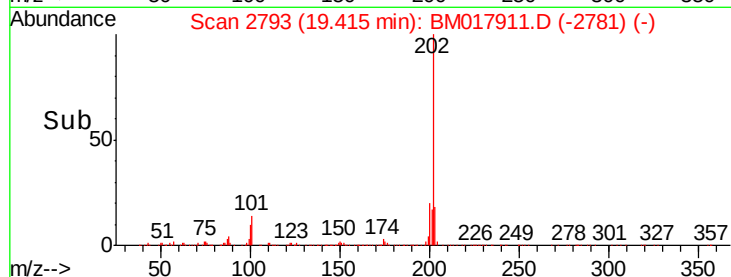
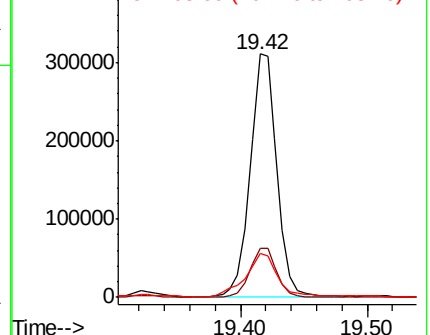


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 35.458 ng

RT: 19.63 min Scan# 2830

Delta R.T. -0.02 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

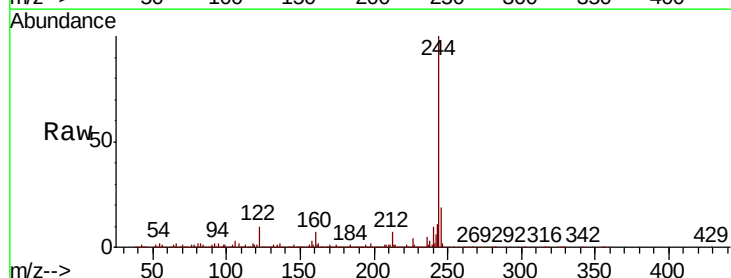
Tgt Ion:244 Resp: 1393725

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 9.9 9.0 13.6

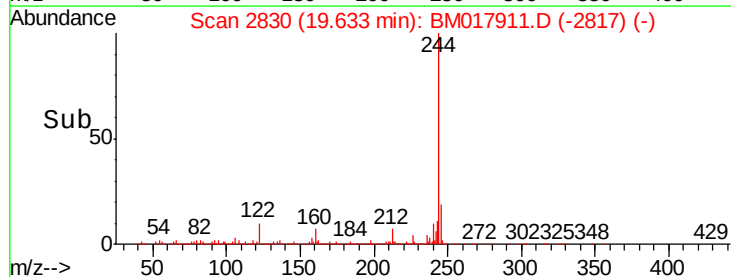
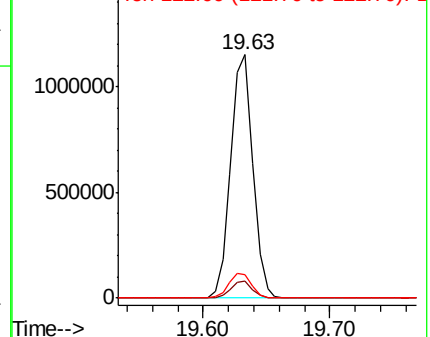


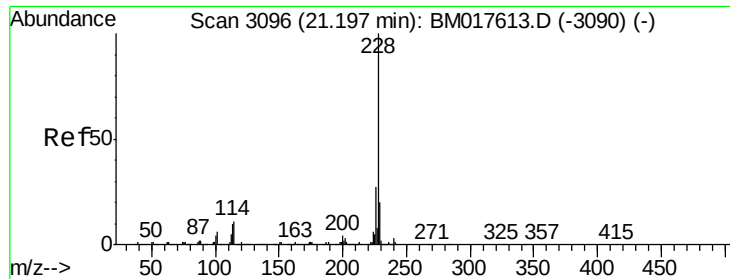
Abundance

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: 5.333 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.02 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

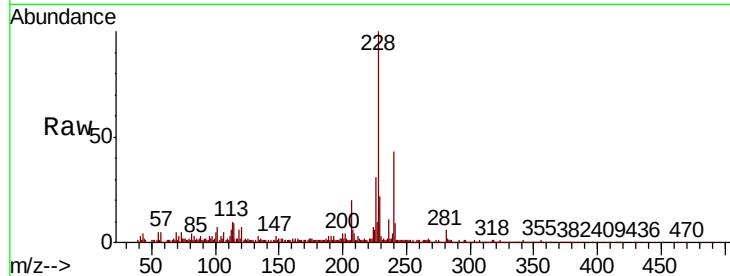
Tgt Ion:228 Resp: 273703

Ion Ratio Lower Upper

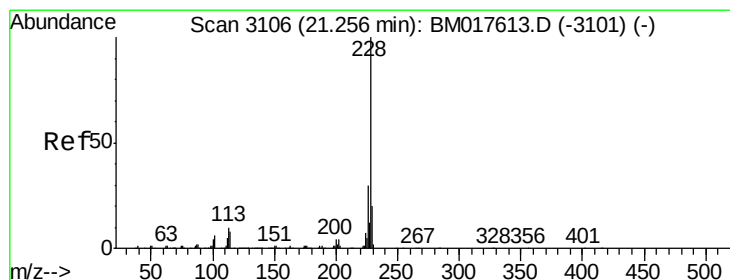
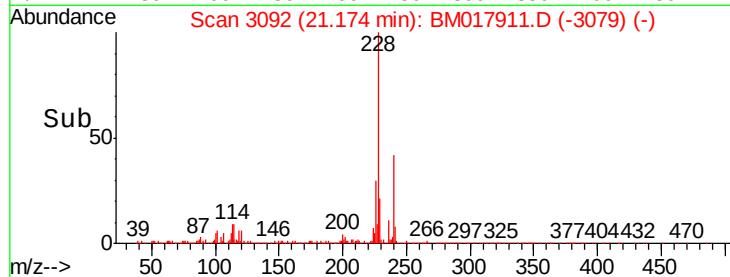
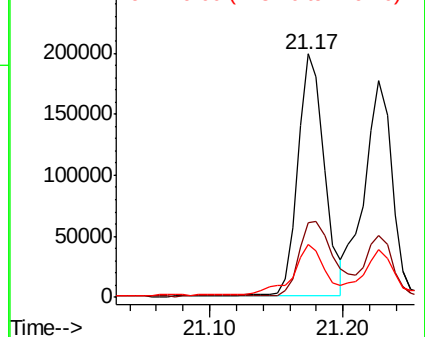
228 100

226 30.8 21.3 31.9

229 21.6 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: 5.112 ng

RT: 21.23 min Scan# 3101

Delta R.T. -0.03 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

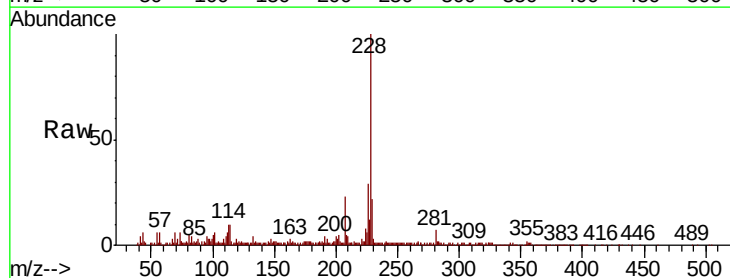
Tgt Ion:228 Resp: 254830

Ion Ratio Lower Upper

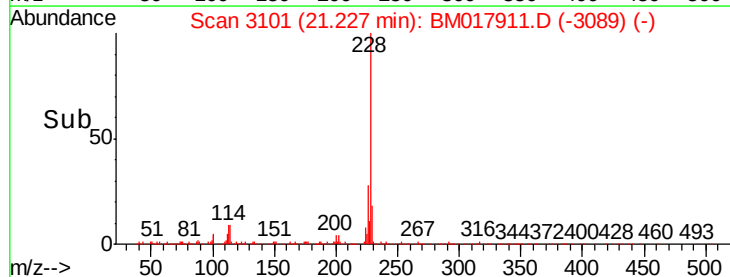
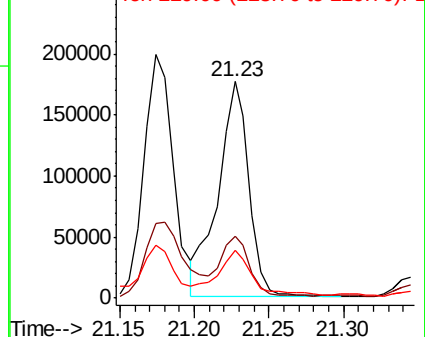
228 100

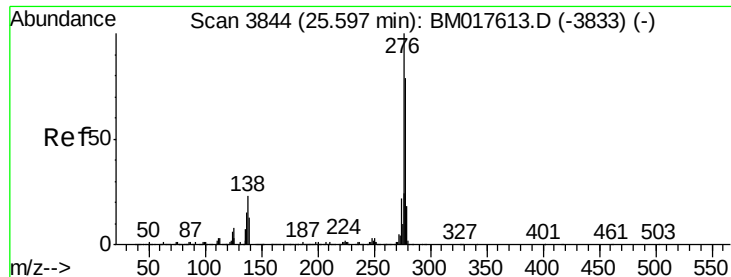
226 28.8 23.6 35.4

229 22.0 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: 4.983 ng

RT: 25.54 min Scan# 3835

Delta R.T. -0.05 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

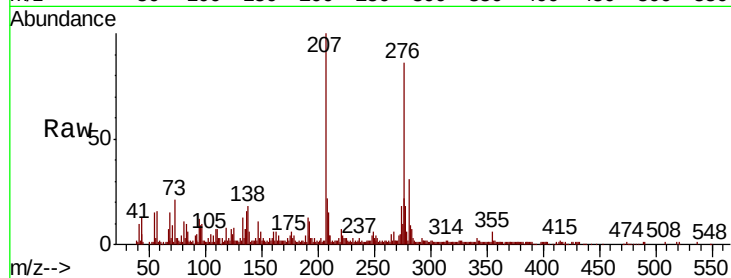
Tgt Ion:276 Resp: 198498

Ion Ratio Lower Upper

276 100

138 20.1 19.1 28.7

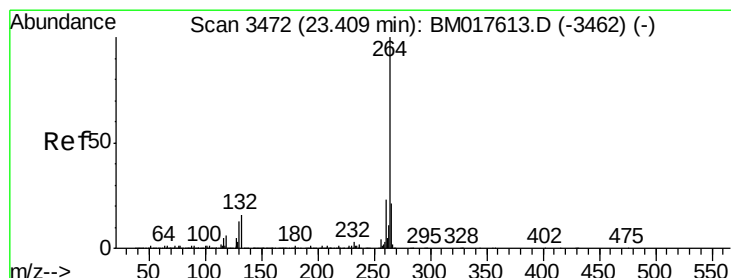
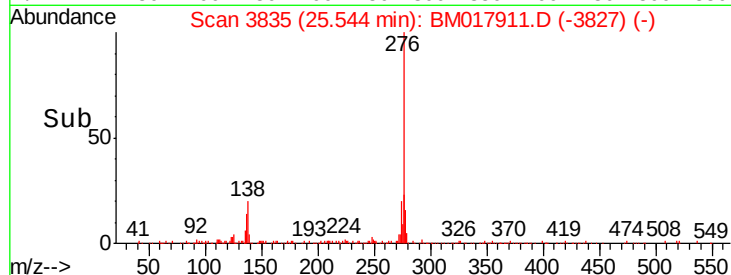
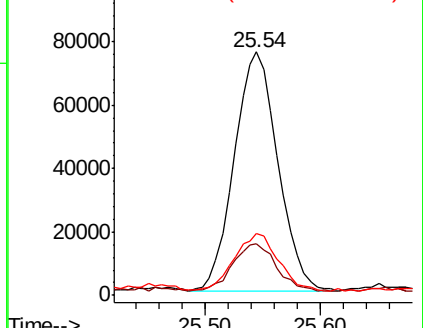
277 24.0 20.0 30.0



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: 23.37 min Scan# 3466

Delta R.T. -0.04 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

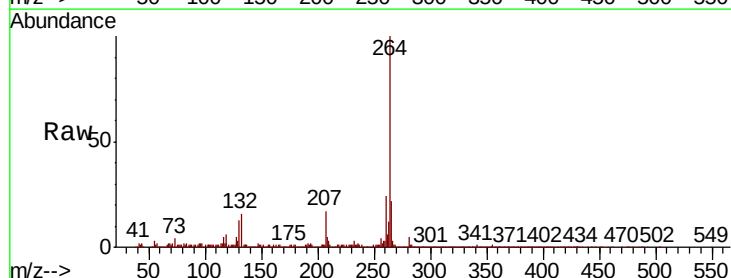
Tgt Ion:264 Resp: 969819

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

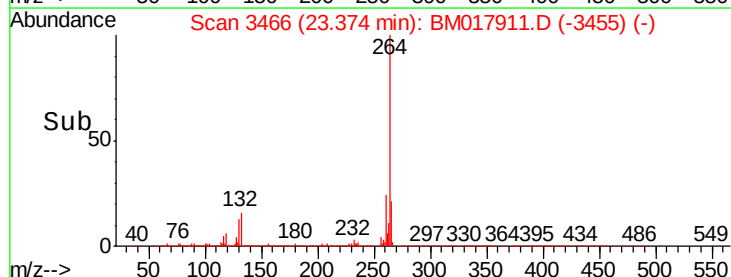
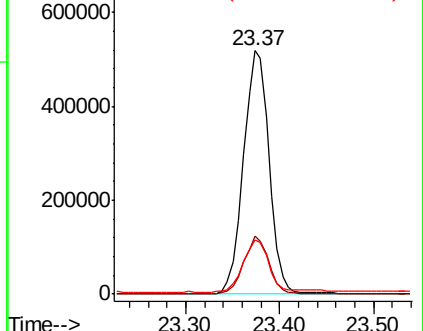
265 22.2 17.5 26.3

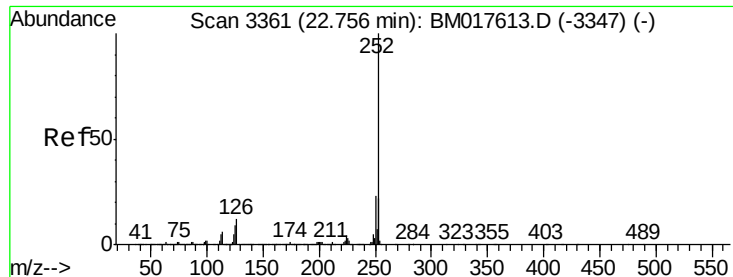


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.779 ng

RT: 22.73 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

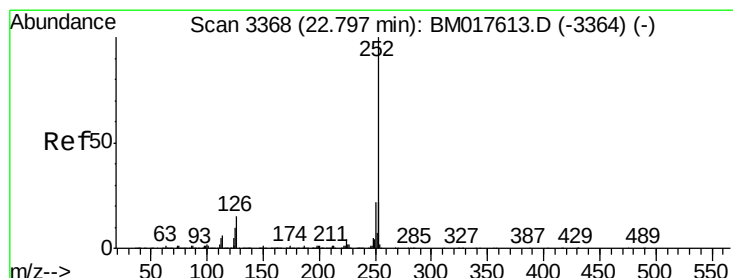
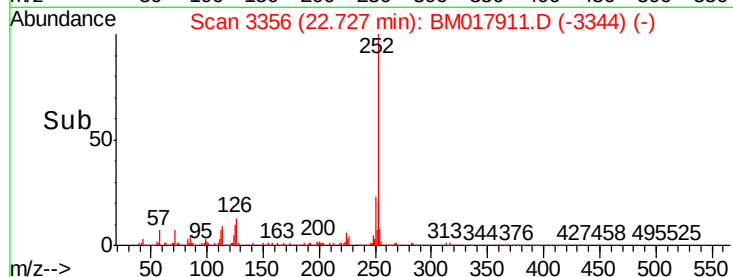
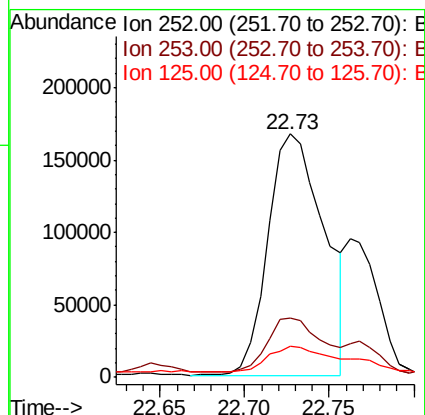
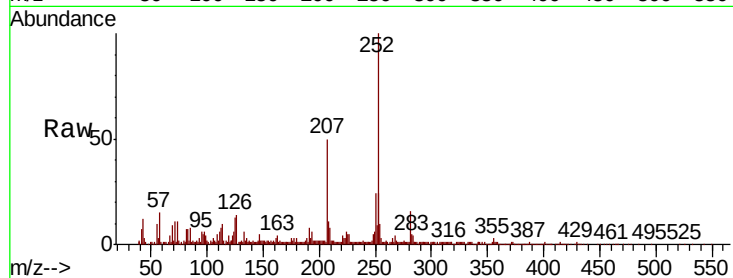
Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

Tgt Ion:	252	Resp:	385020
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	12.7	7.6	11.4#



#89

Benzo(k)fluoranthene

Concen: 6.673 ng

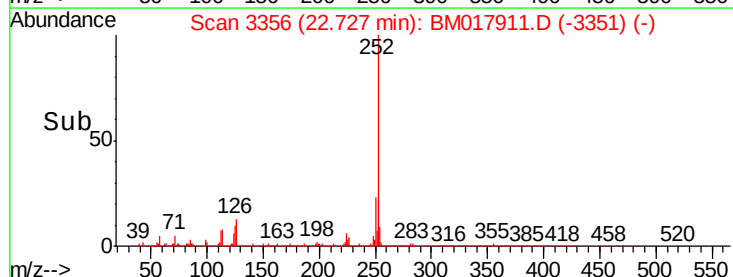
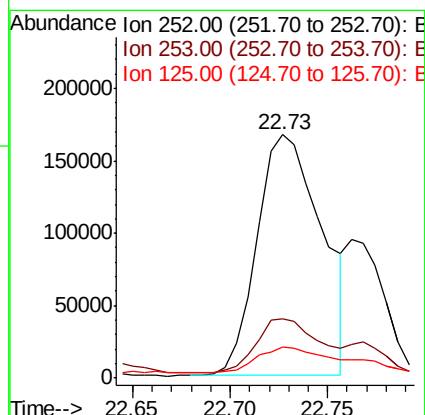
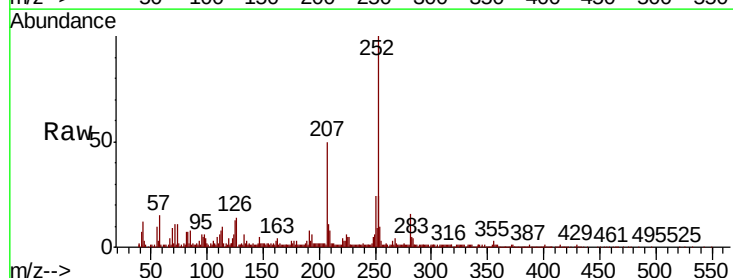
RT: 22.73 min Scan# 3356

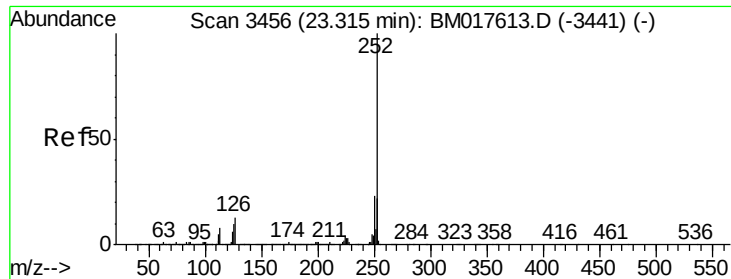
Delta R.T. -0.07 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Tgt Ion:	252	Resp:	383087
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	12.7	7.9	11.9#





#90

Benzo(a)pyrene

Concen: 5.322 ng

RT: 23.28 min Scan# 3450

Delta R.T. -0.04 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

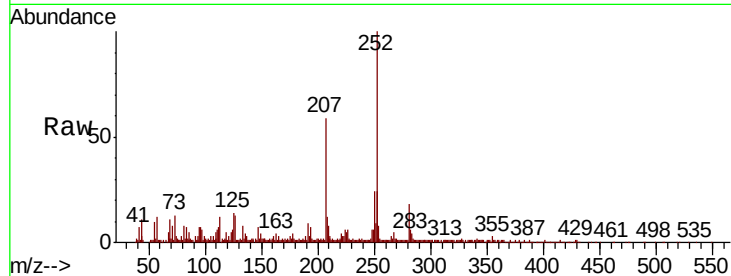
Instrument :

BNA_M

ClientSampleId :

OR-03-112918-A

Tgt Ion:	252	Resp:	275596
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	13.8	8.2	12.2#

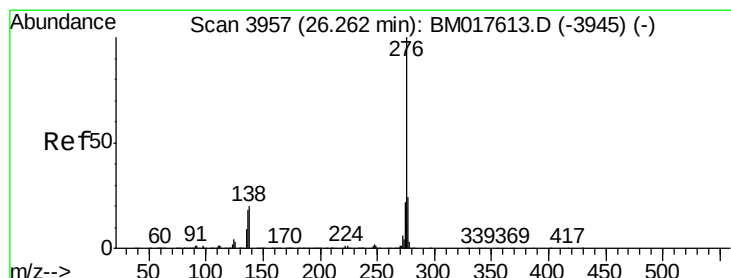
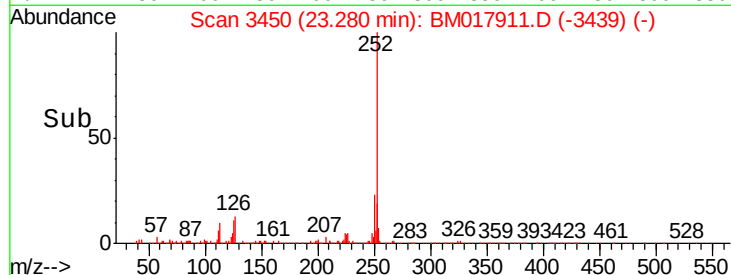
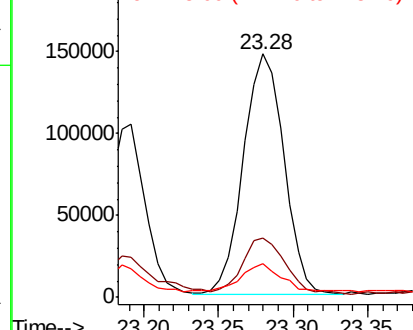


Abundance

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: 4.509 ng

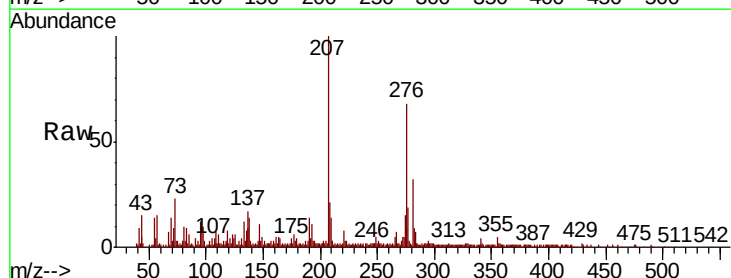
RT: 26.21 min Scan# 3948

Delta R.T. -0.05 min

Lab File: BM017911.D

Acq: 04 Dec 2018 20:23

Tgt Ion:	276	Resp:	184603
Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.0	28.4
138	20.7	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

