

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018358.D
 Acq On : 21 Dec 2018 13:44
 Operator : JU/SJ
 Sample : J6388-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1824-01

Quant Time: Dec 22 03:49:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	121355	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	479086	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	291760	20.00	ng	-0.01
64) Phenanthrene-d10	16.92	188	583869	20.00	ng	0.00
76) Chrysene-d12	21.14	240	496237	20.00	ng	0.00
87) Perylene-d12	23.31	264	496754	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	794595	109.38	ng	0.00
7) Phenol-d6	6.70	99	1067918	105.76	ng	0.00
23) Nitrobenzene-d5	8.65	82	717253	76.79	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	365511	85.36	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1156142	51.33	ng	-0.02
79) Terphenyl-d14	19.57	244	1373273	62.59	ng	0.00

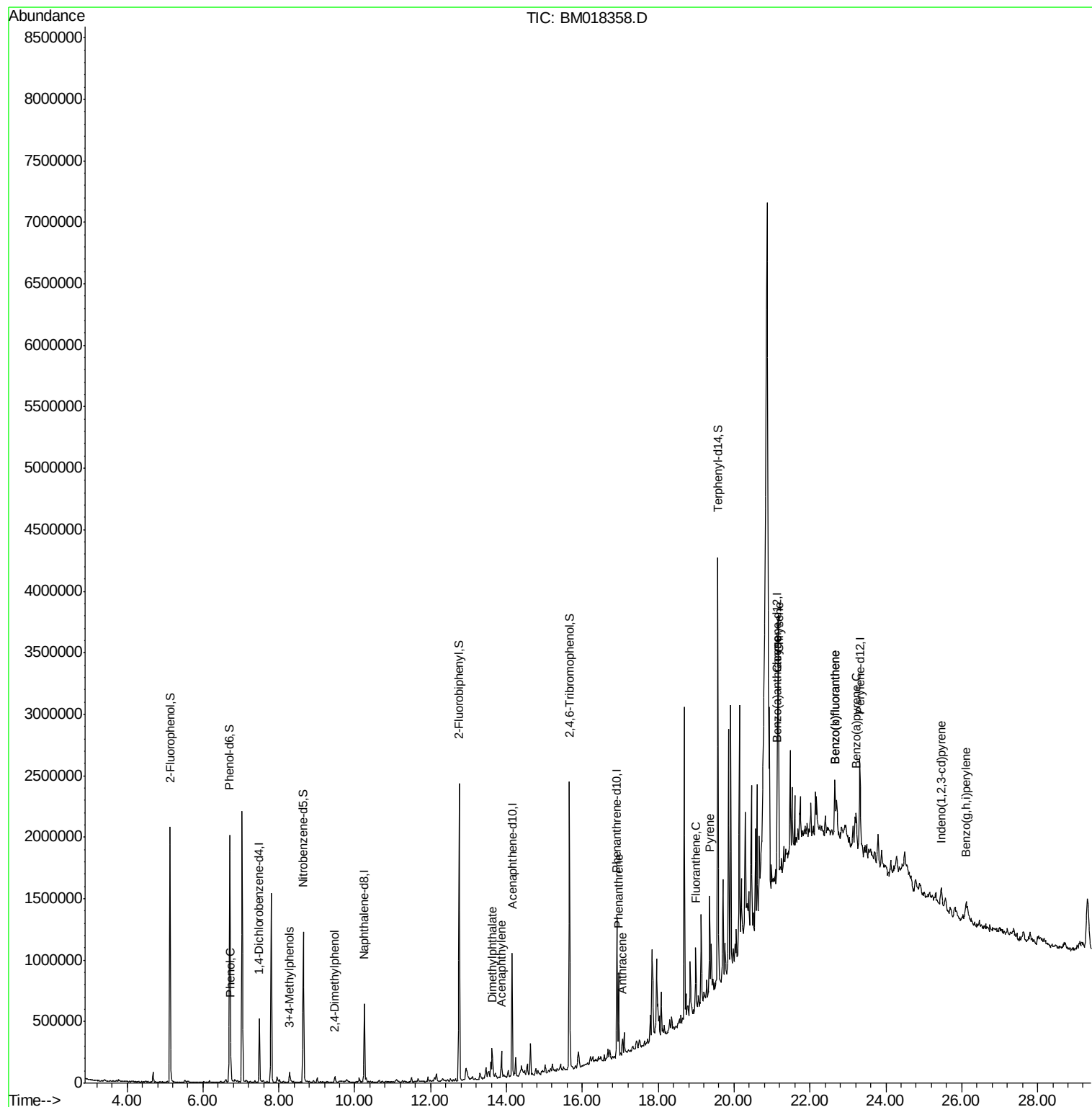
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.73	94	80386	7.517	ng	96
20) 3+4-Methylphenols	8.29	107	40264	4.024	ng	89
27) 2,4-Dimethylphenol	9.47	122	14130	2.142	ng	93
49) Acenaphthylene	13.87	152	106270	3.650	ng	98
50) Dimethylphthalate	13.62	163	115995	4.782	ng	99
71) Phenanthrene	16.96	178	348908	11.002	ng	97
72) Anthracene	17.05	178	84549	2.687	ng	99
75) Fluoranthene	18.99	202	254209	6.894	ng	98
78) Pyrene	19.36	202	425882	14.403	ng	99
81) Benzo(a)anthracene	21.13	228	151895	5.240	ng	# 90
83) Chrysene	21.18	228	159257	5.712	ng	94
86) Indeno(1,2,3-cd)pyrene	25.46	276	83590	3.010	ng	94
88) Benzo(b)fluoranthene	22.68	252	178139	6.384	ng	# 78
89) Benzo(k)fluoranthene	22.68	252	178342	6.418	ng	# 76
90) Benzo(a)pyrene	23.22	252	145350	5.477	ng	# 85
92) Benzo(g,h,i)perylene	26.12	276	124174	5.343	ng	93

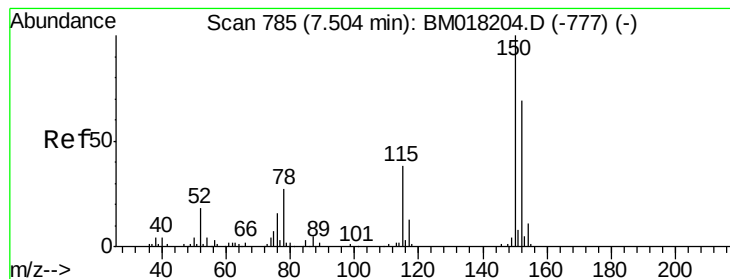
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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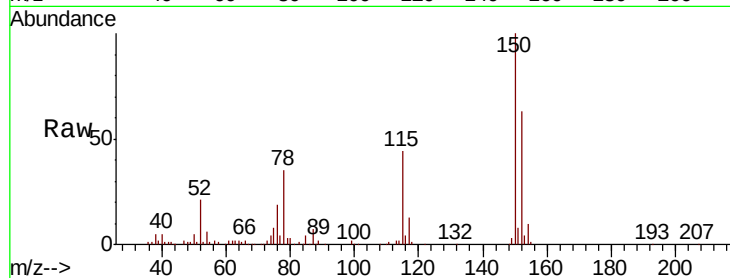


#1

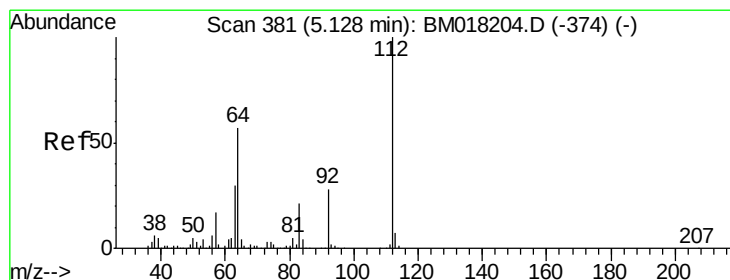
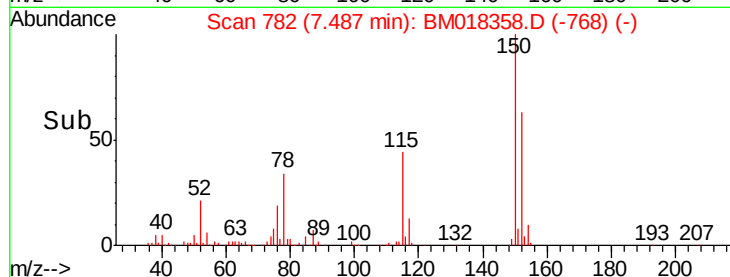
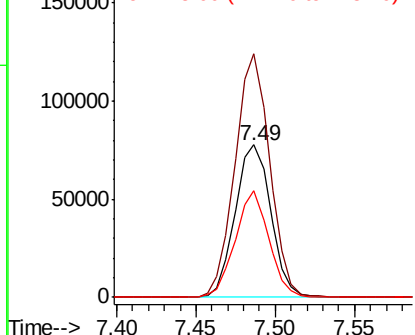
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1824-01

Tgt Ion:152 Resp: 121355
Ion Ratio Lower Upper
152 100
150 159.8 116.1 174.1
115 69.6 44.6 67.0#



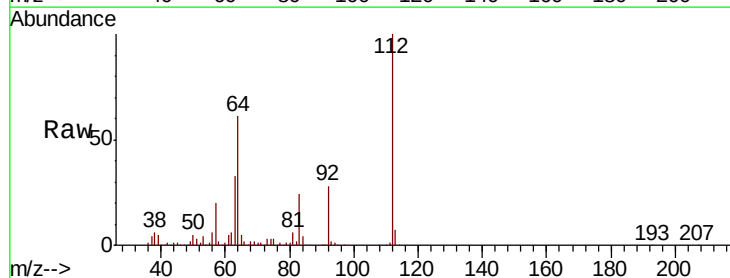
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



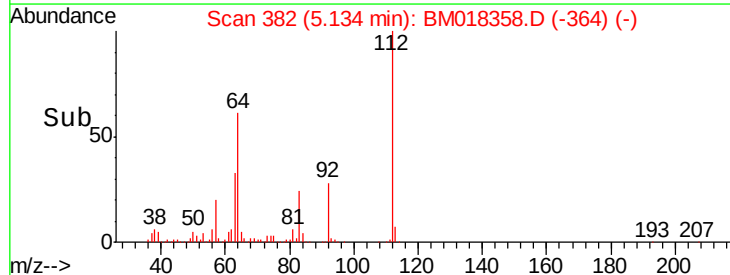
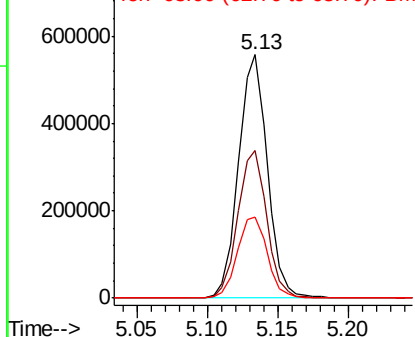
#5

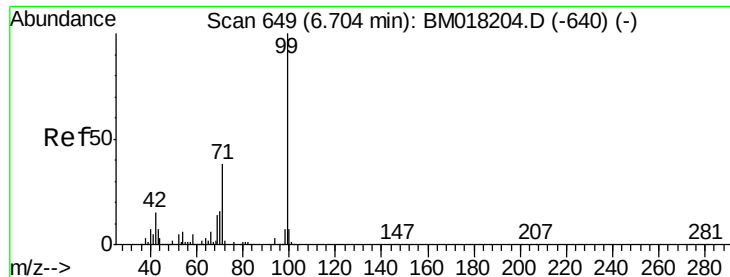
2-Fluorophenol
Concen: 109.378 ng
RT: 5.13 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Tgt Ion:112 Resp: 794595
Ion Ratio Lower Upper
112 100
64 60.8 45.4 68.2
63 33.4 24.0 36.0



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: 105.763 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

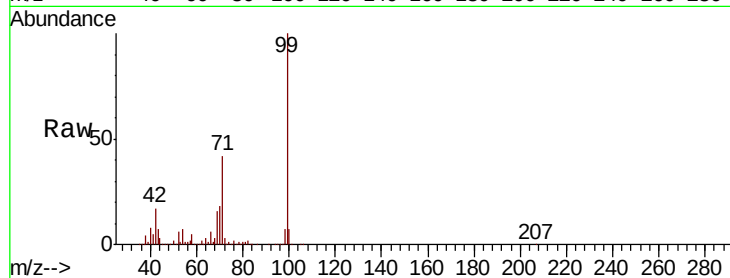
Tgt Ion: 99 Resp: 1067918

Ion Ratio Lower Upper

99 100

42 17.0 12.3 18.5

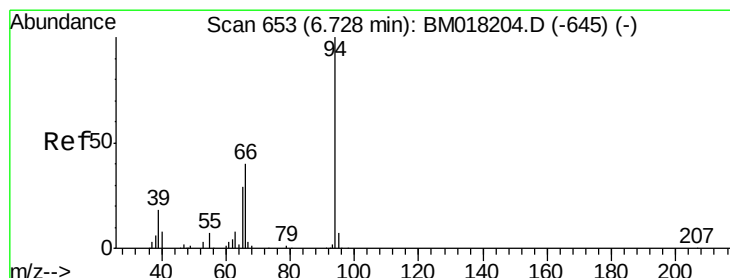
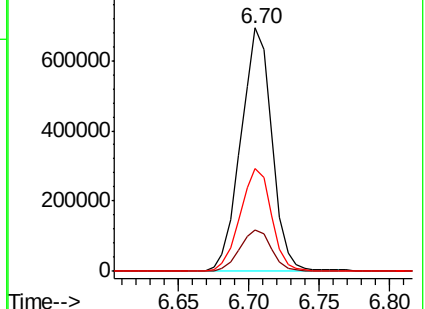
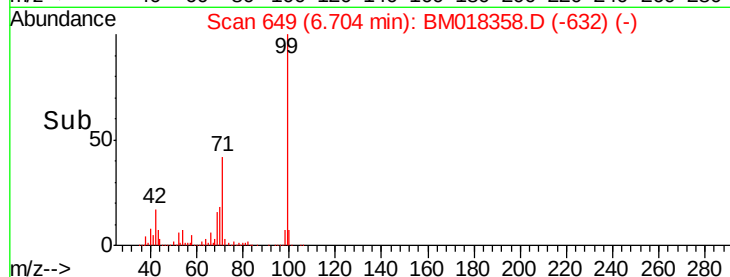
71 42.4 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018358.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018358.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018358.D (-632) (-)



#10

Phenol

Concen: 7.517 ng

RT: 6.73 min Scan# 654

Delta R.T. 0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

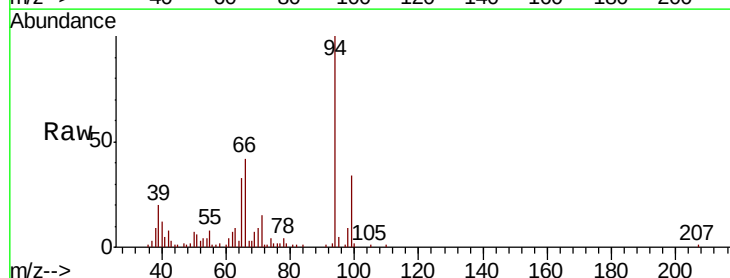
Tgt Ion: 94 Resp: 80386

Ion Ratio Lower Upper

94 100

65 33.1 9.5 49.5

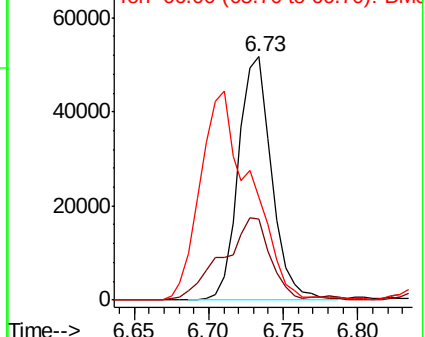
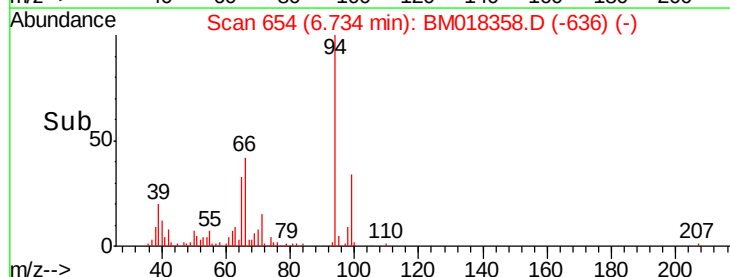
66 42.0 21.3 61.3

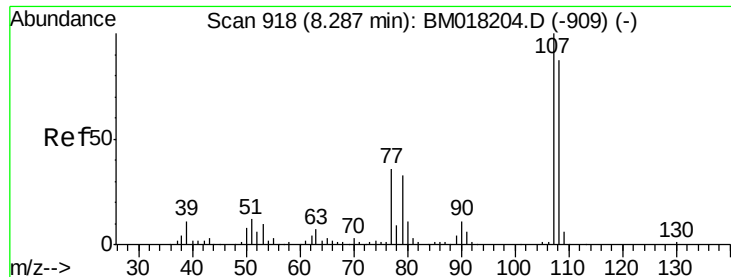


Abundance Ion 94.00 (93.70 to 94.70): BM018358.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018358.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018358.D (-636) (-)

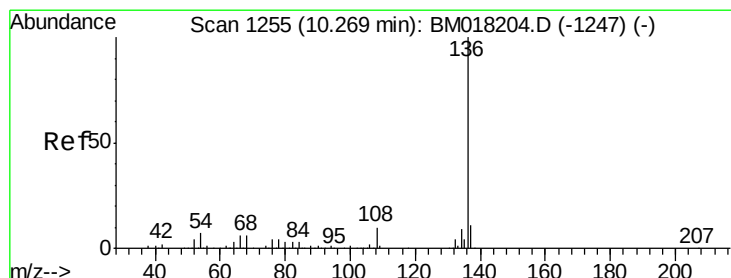
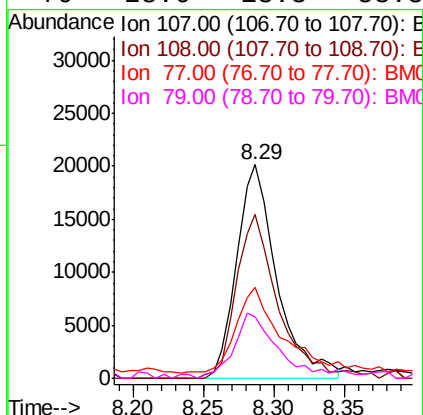
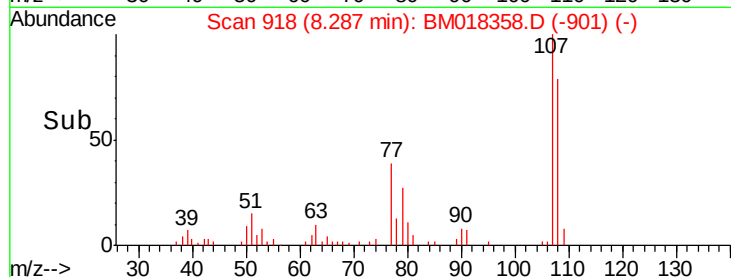
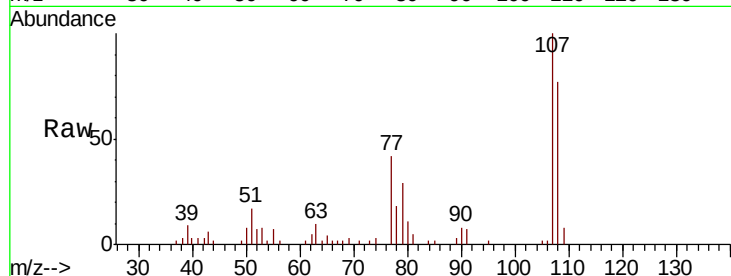




#20
3+4-Methylphenols
Concen: 4.024 ng
RT: 8.29 min Scan# 918
Delta R.T. -0.00 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

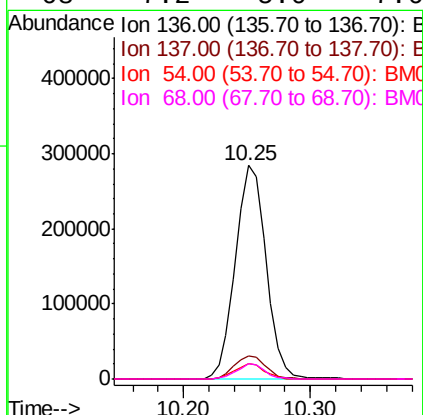
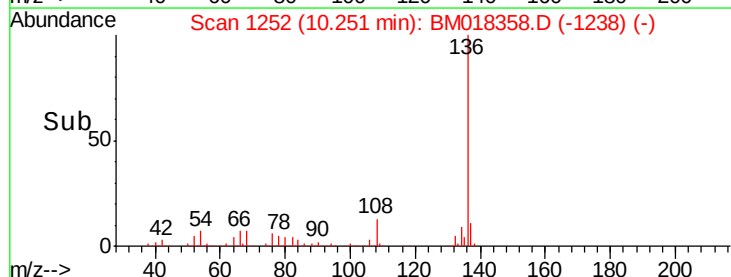
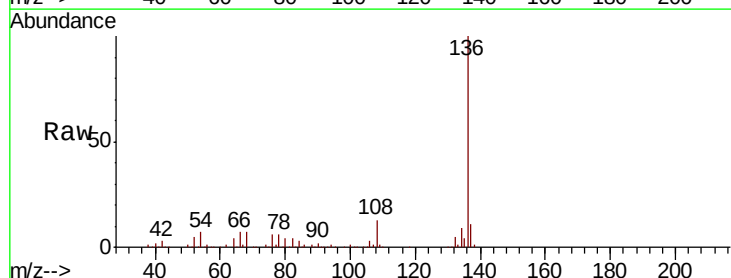
Instrument :
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P001-SS008-1824-01

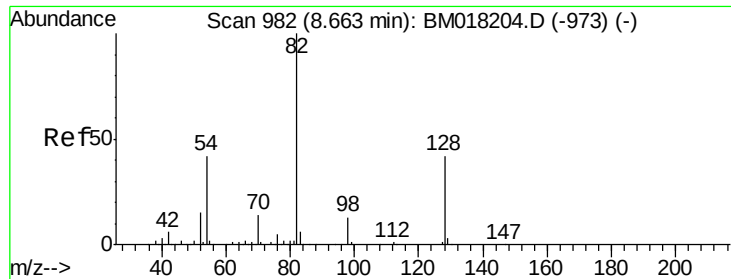
Tgt Ion:	107	Resp:	40264
Ion	Ratio	Lower	Upper
107	100		
108	76.9	67.4	107.4
77	42.5	15.7	55.7
79	28.6	13.3	53.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Tgt Ion:	136	Resp:	479086
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.1	5.2	7.8
68	7.2	5.0	7.6

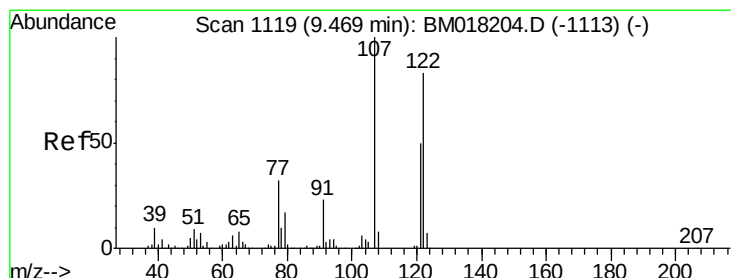
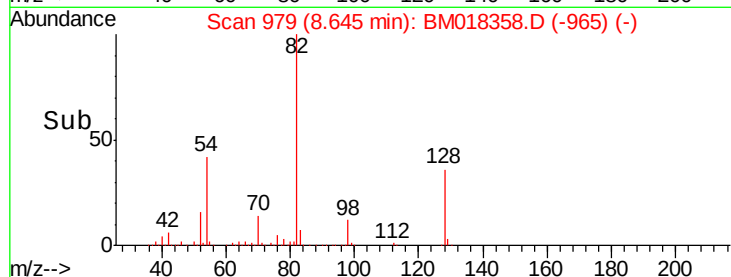
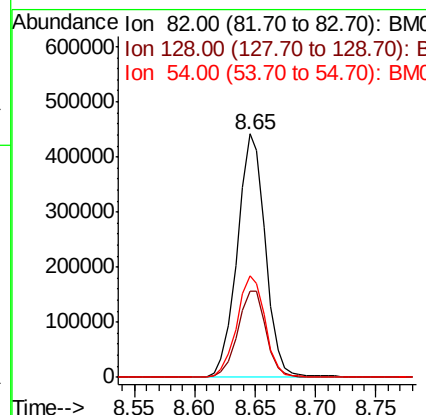
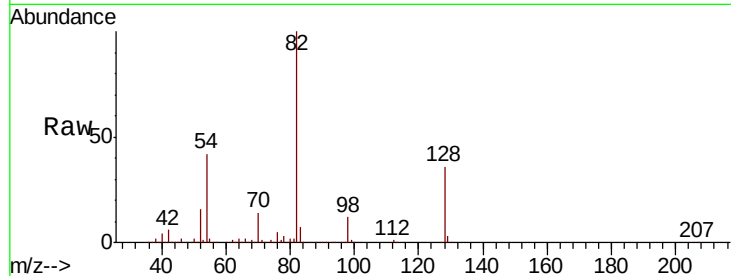




#23
 Nitrobenzene-d5
 Concen: 76.793 ng
 RT: 8.65 min Scan# 979
 Delta R.T. -0.02 min
 Lab File: BM018358.D
 Acq: 21 Dec 2018 13:44

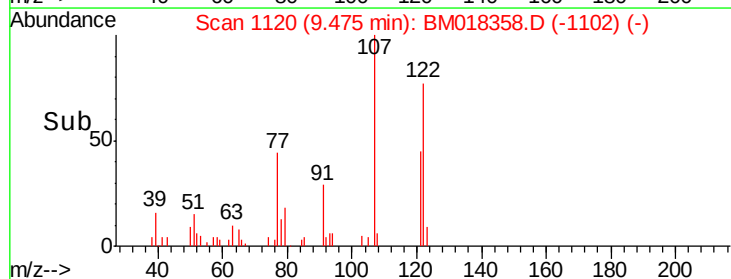
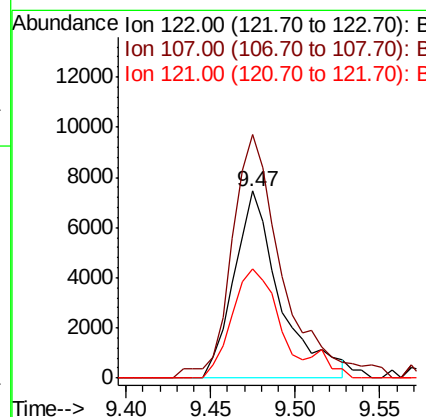
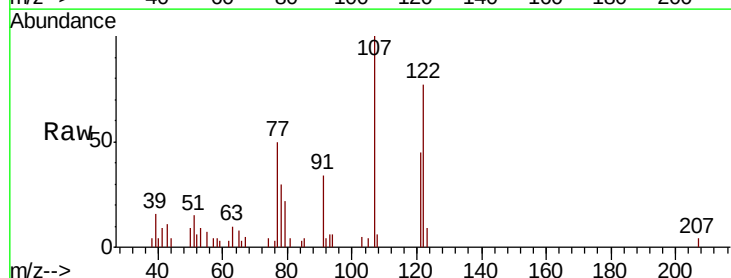
Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1824-01

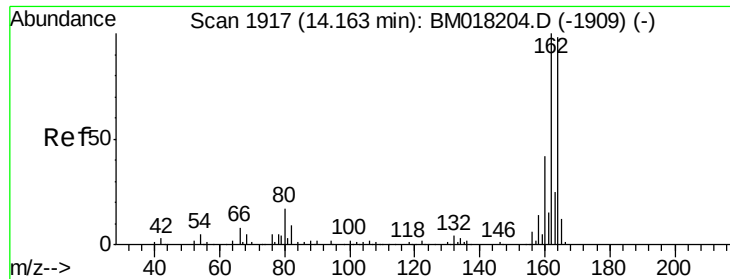
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.6	33.4	50.2
54	41.8	33.4	50.2



#27
 2,4-Dimethylphenol
 Concen: 2.142 ng
 RT: 9.47 min Scan# 1120
 Delta R.T. 0.01 min
 Lab File: BM018358.D
 Acq: 21 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
122	100		
107	130.4	96.5	144.7
121	58.5	48.2	72.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.15 min Scan# 1915

Delta R.T. -0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

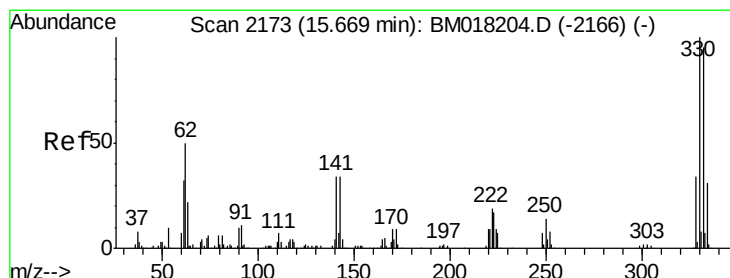
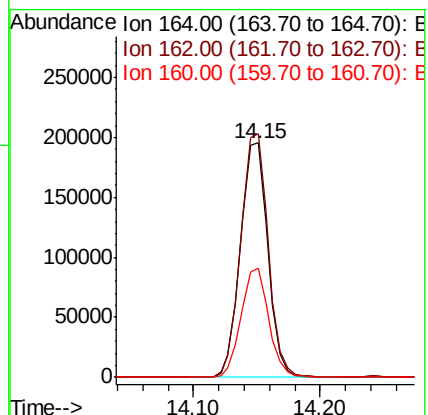
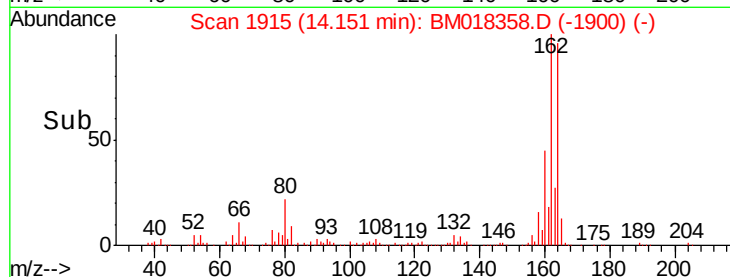
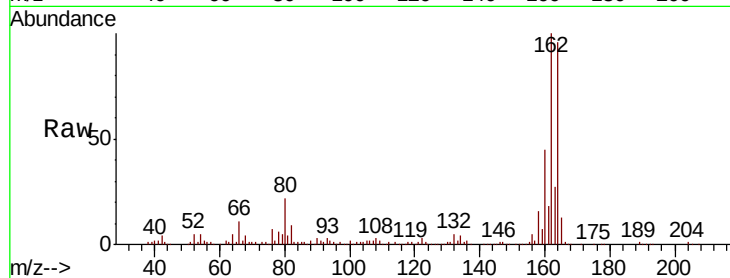
Tgt Ion:164 Resp: 291760

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.6

160 46.9 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 85.355 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

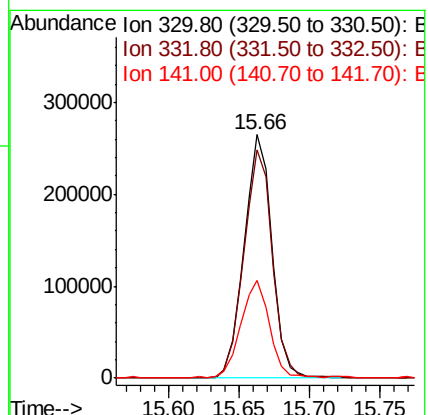
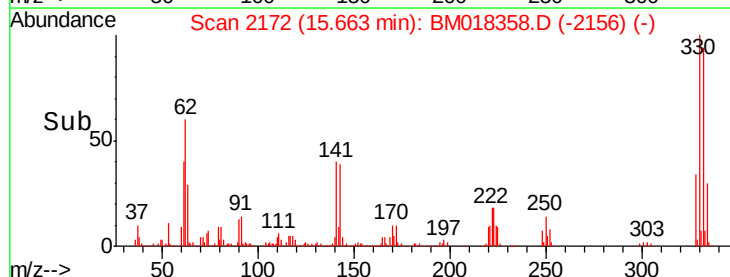
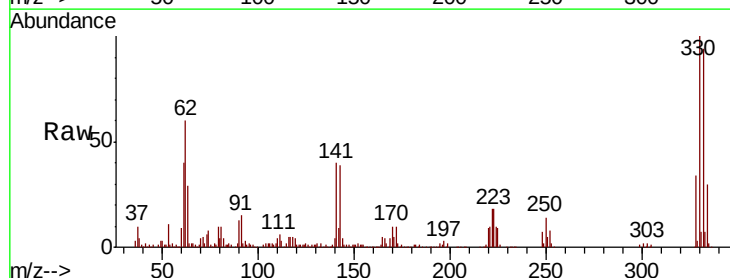
Tgt Ion:330 Resp: 365511

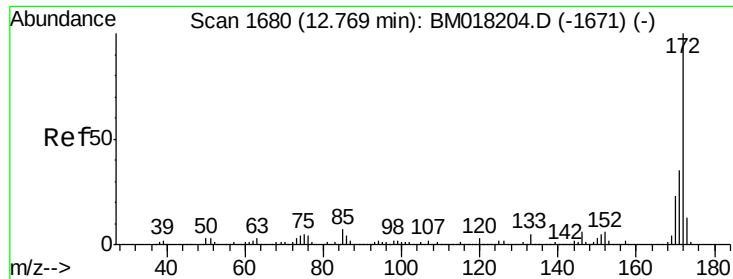
Ion Ratio Lower Upper

330 100

332 95.8 78.6 118.0

141 40.8 27.1 40.7#

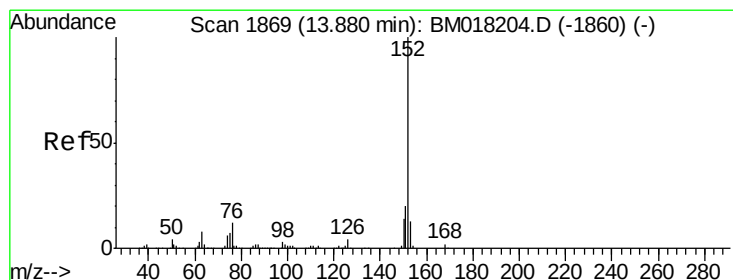
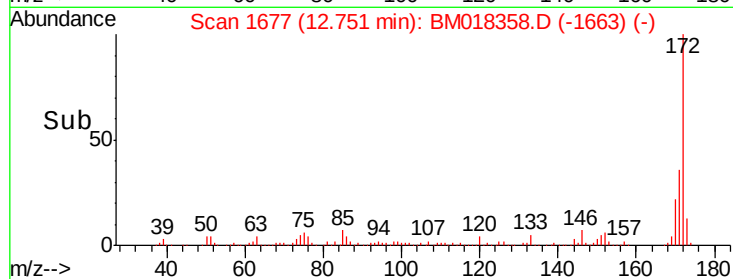
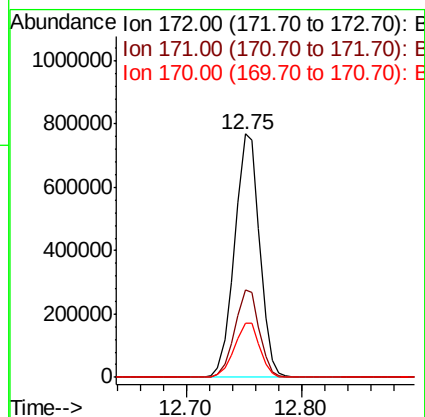
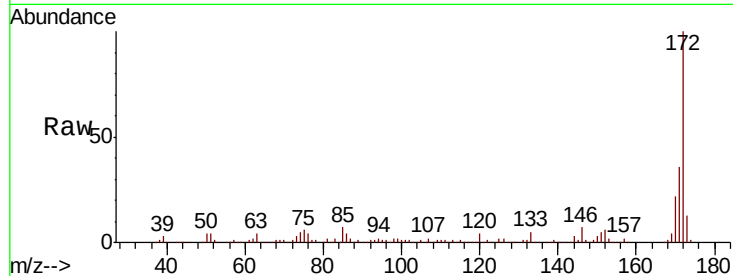




#45
2-Fluorobiphenyl
Concen: 51.326 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

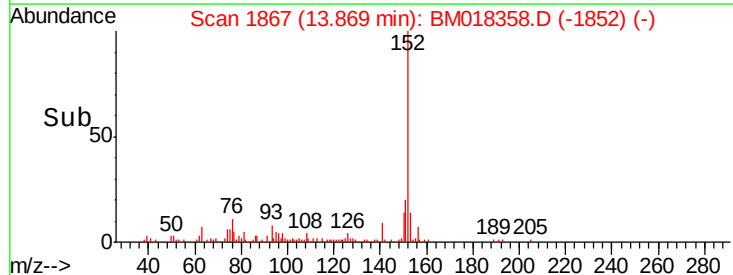
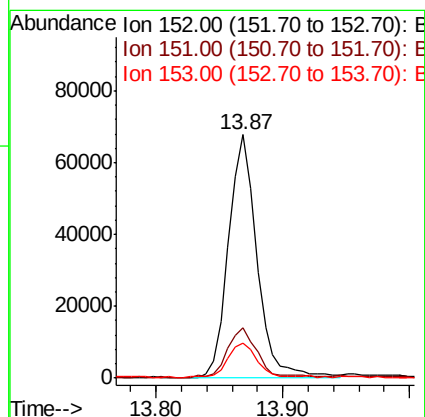
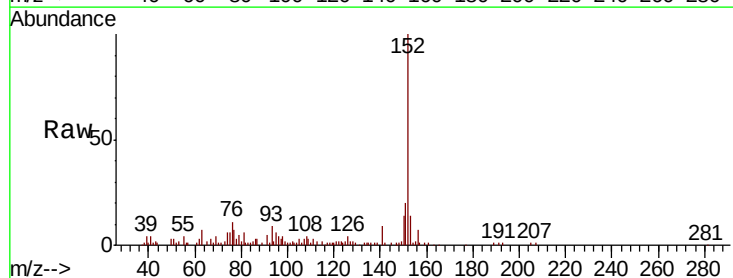
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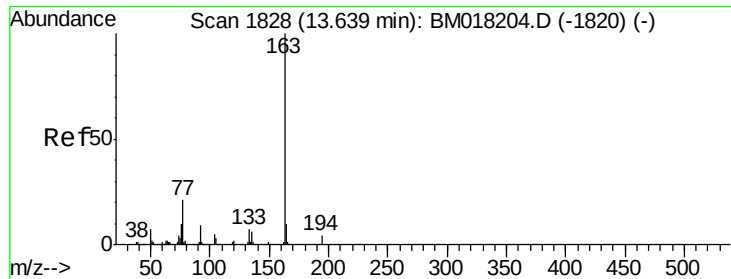
Tgt Ion:172 Resp: 1156142
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 22.4 18.1 27.1



#49
Acenaphthylene
Concen: 3.650 ng
RT: 13.87 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Tgt Ion:152 Resp: 106270
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 14.5 10.2 15.2





#50

Dimethylphthalate

Concen: 4.782 ng

RT: 13.62 min Scan# 1825

Delta R.T. -0.02 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

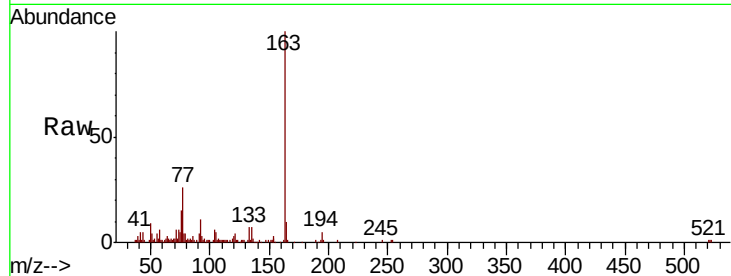
Tgt Ion:163 Resp: 115995

Ion Ratio Lower Upper

163 100

194 4.6 3.1 4.7

164 10.2 7.9 11.9

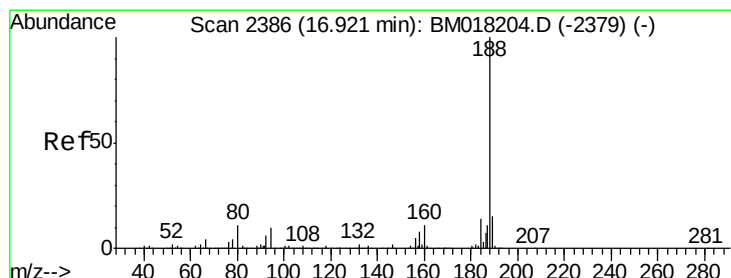
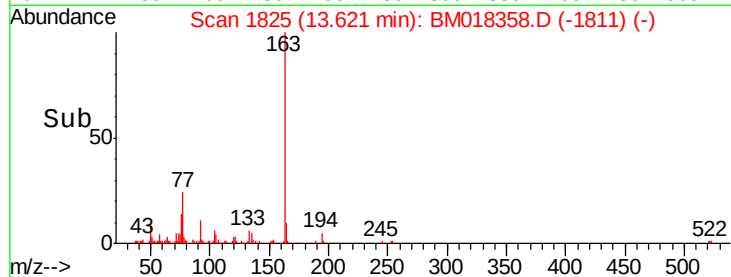
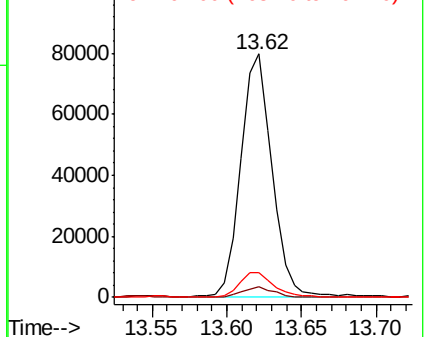


Abundance

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

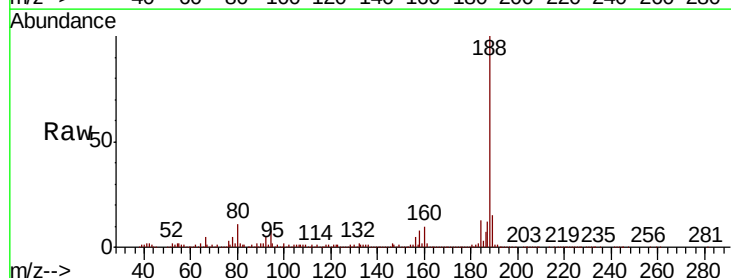
Tgt Ion:188 Resp: 583869

Ion Ratio Lower Upper

188 100

94 8.2 8.0 12.0

80 10.7 9.0 13.6

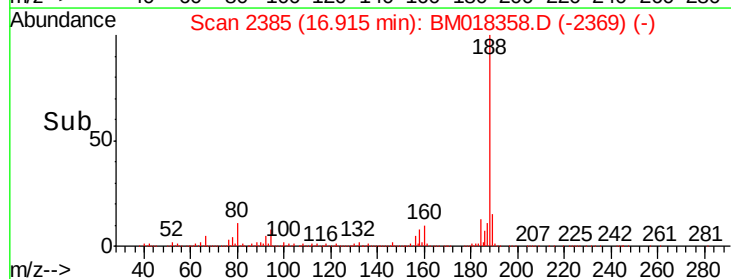
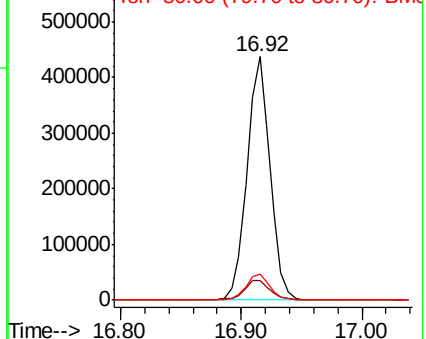


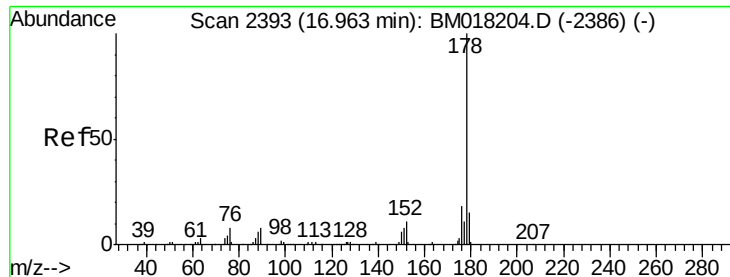
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

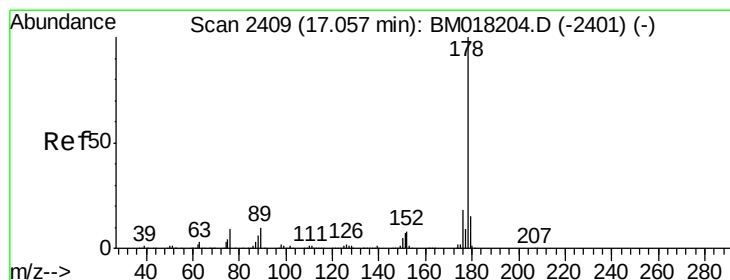
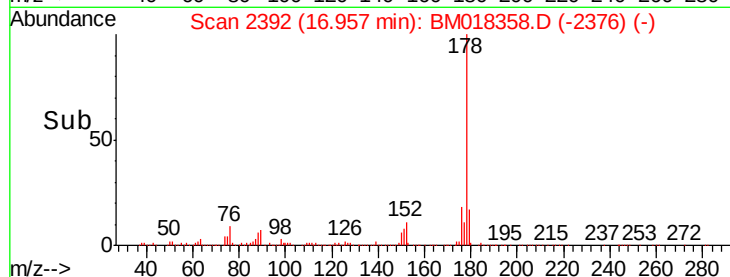
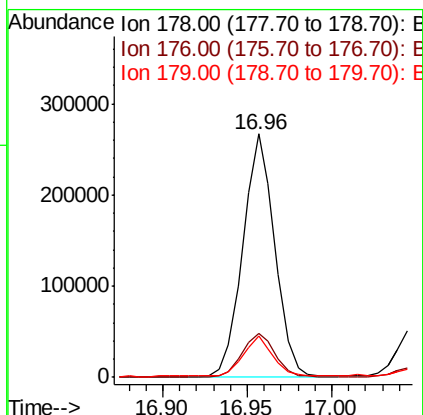
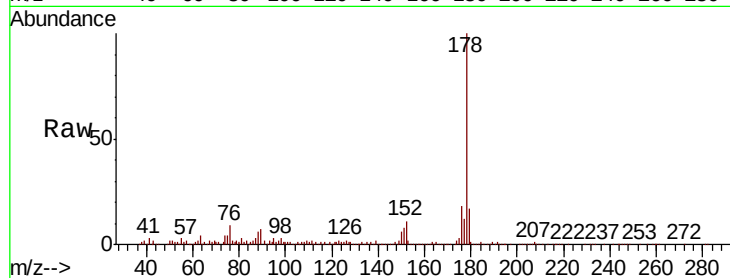




#71
Phenanthrene
Concen: 11.002 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

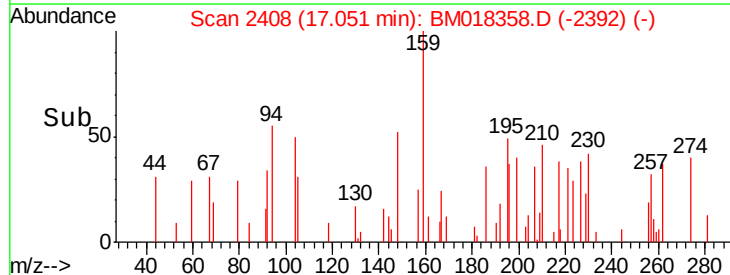
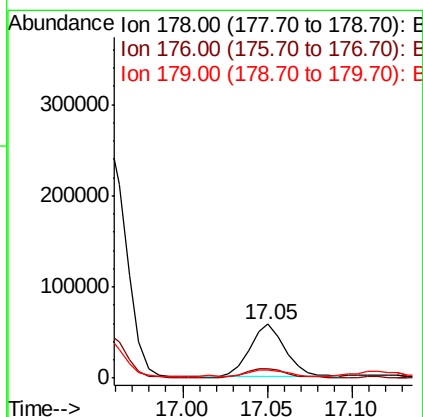
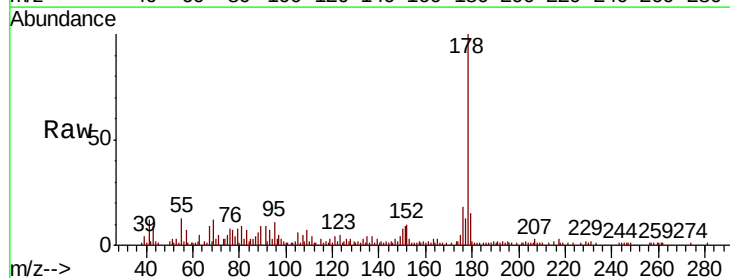
Instrument :
BNA_M
ClientSampleId :
P001-SS008-1824-01

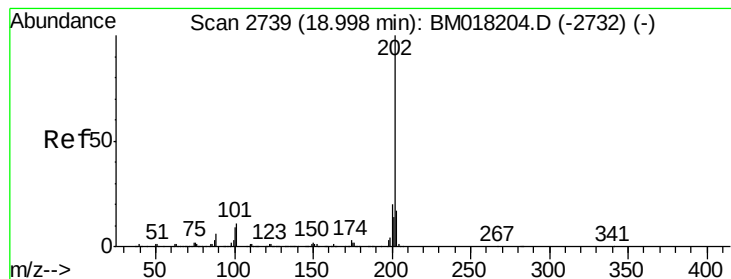
Tgt Ion:178 Resp: 348908
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 17.2 12.0 18.0



#72
Anthracene
Concen: 2.687 ng
RT: 17.05 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Tgt Ion:178 Resp: 84549
Ion Ratio Lower Upper
178 100
176 17.6 14.3 21.5
179 14.5 12.0 18.0





#75

Fluoranthene

Concen: 6.894 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

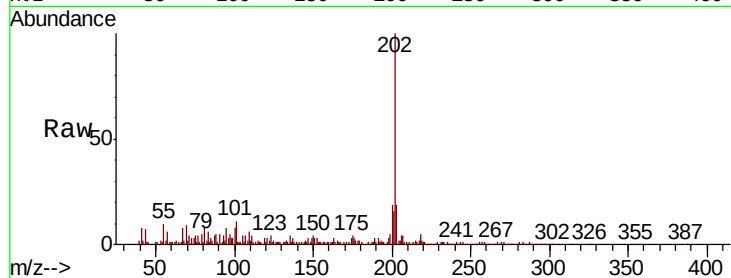
Instrument :

BNA_M

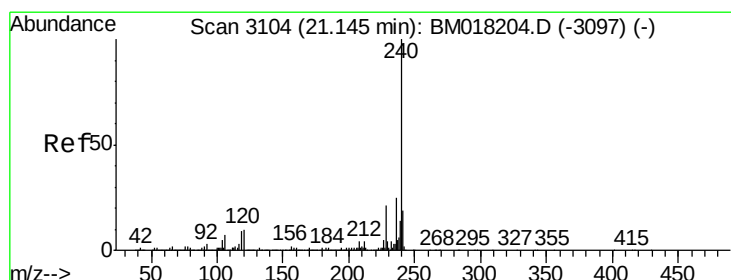
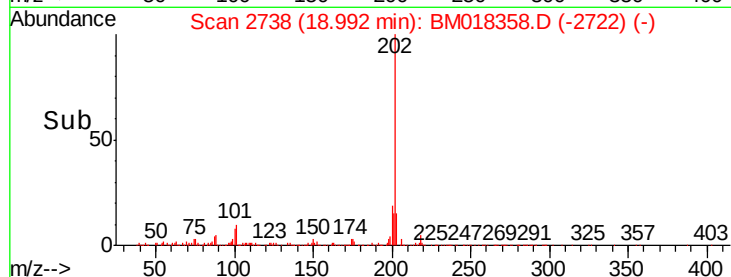
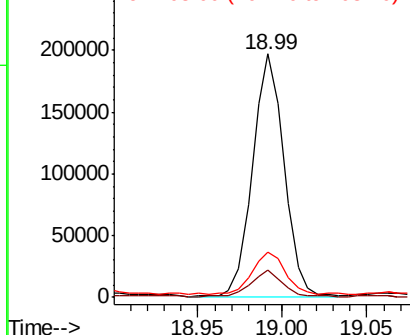
ClientSampleId :

P001-SS008-1824-01

Tgt Ion:	202	Resp:	254209
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.5
203	18.8	0.0	37.5



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



#76

Chrysene-d12

Concen: 20.000 ng

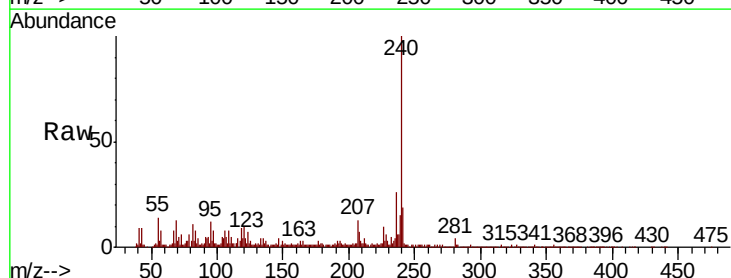
RT: 21.14 min Scan# 3104

Delta R.T. -0.00 min

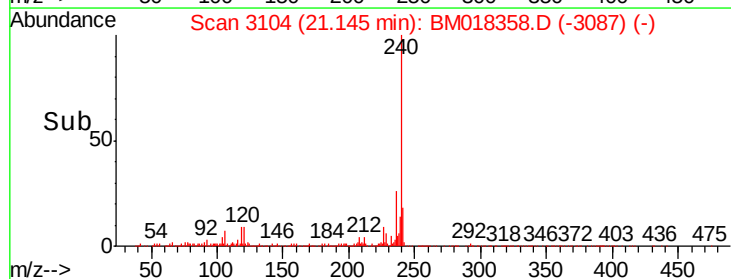
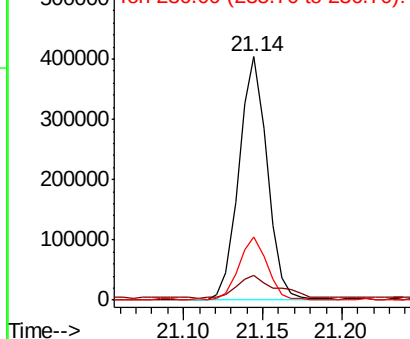
Lab File: BM018358.D

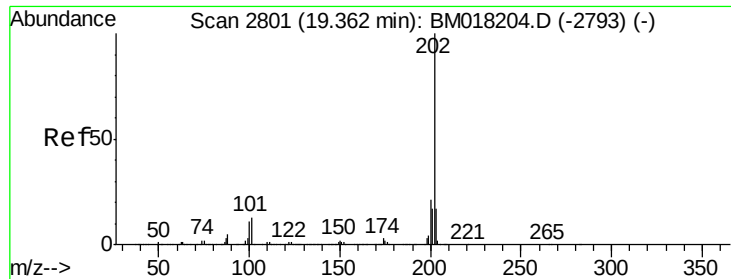
Acq: 21 Dec 2018 13:44

Tgt Ion:	240	Resp:	496237
Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	26.1	20.3	30.5



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

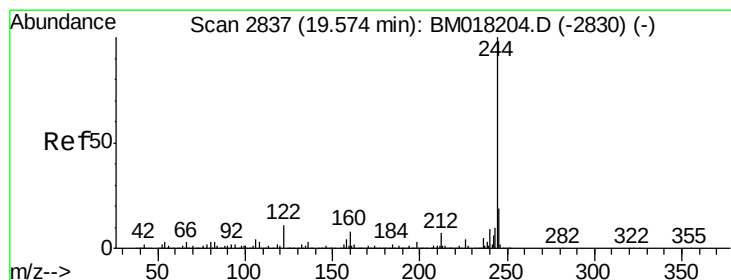
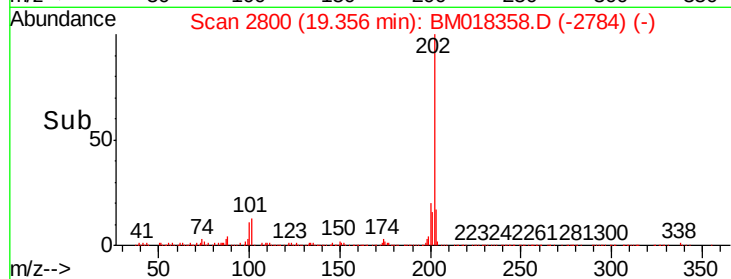
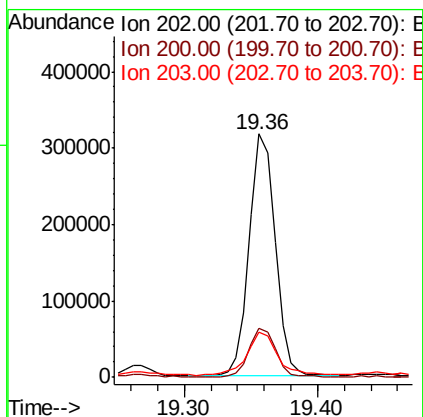
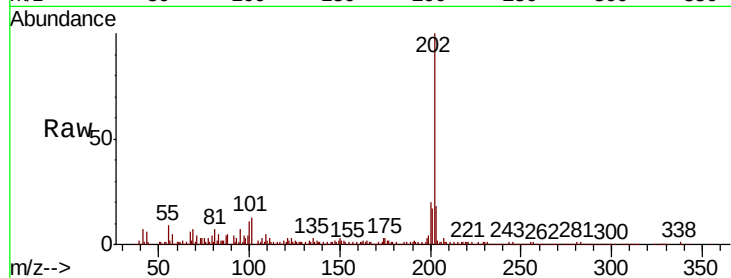




#78
 Pyrene
 Concen: 14.403 ng
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM018358.D
 Acq: 21 Dec 2018 13:44

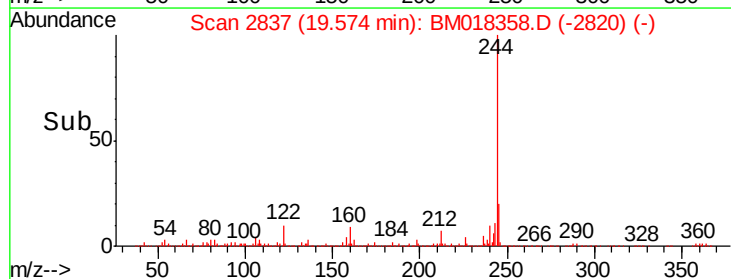
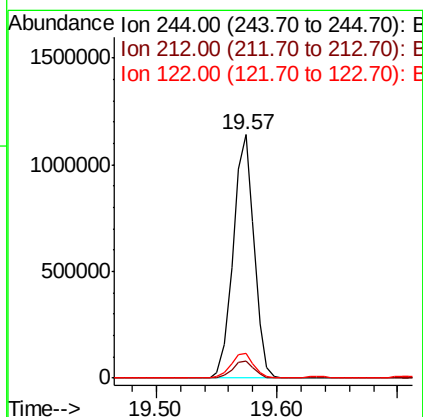
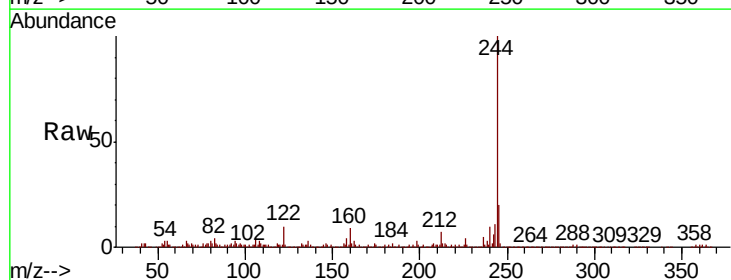
Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1824-01

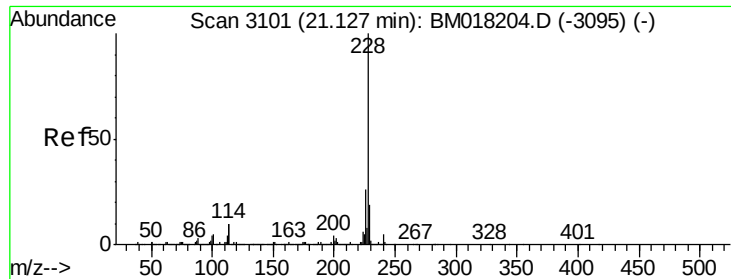
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	18.5	14.0	21.0



#79
 Terphenyl-d14
 Concen: 62.588 ng
 RT: 19.57 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: BM018358.D
 Acq: 21 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.3	9.0	13.6

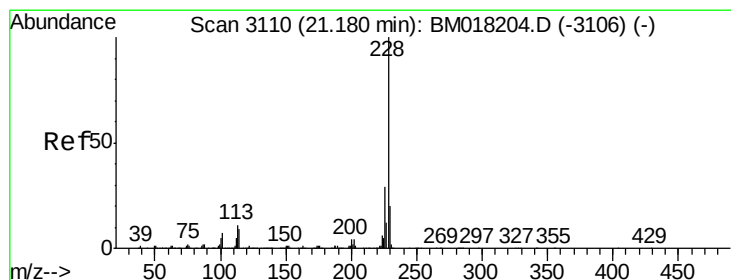
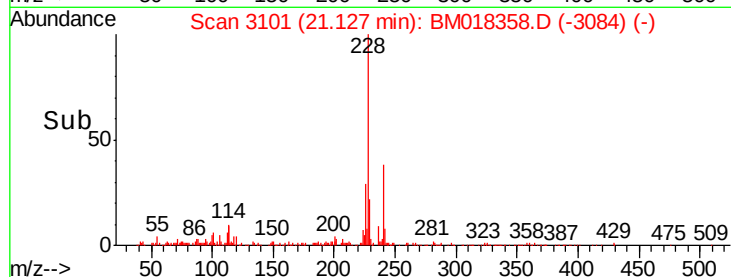
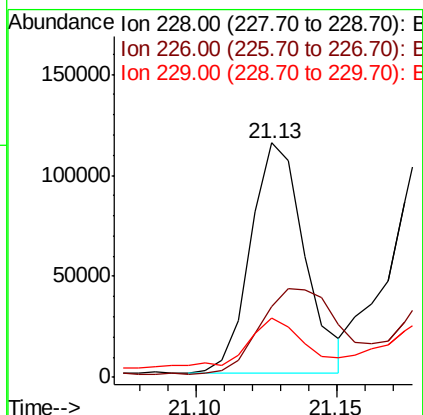
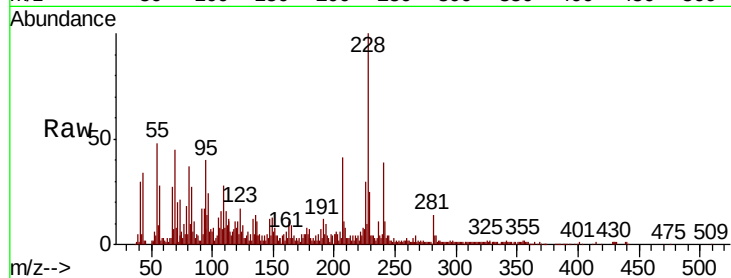




#81
Benzo(a)anthracene
Concen: 5.240 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

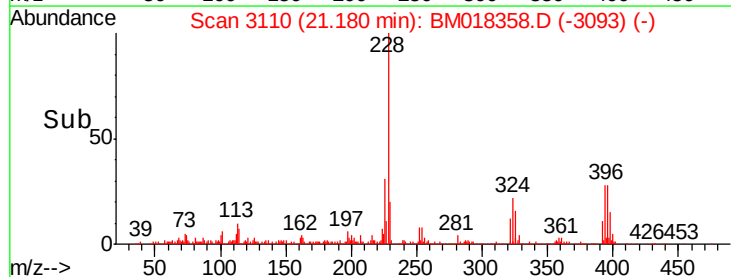
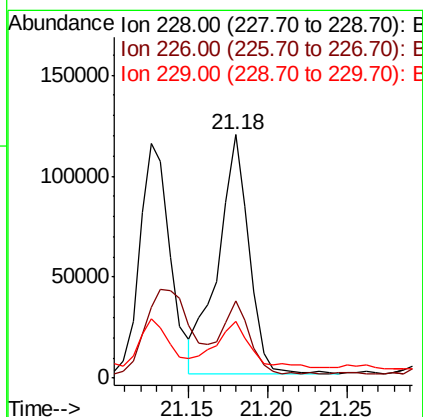
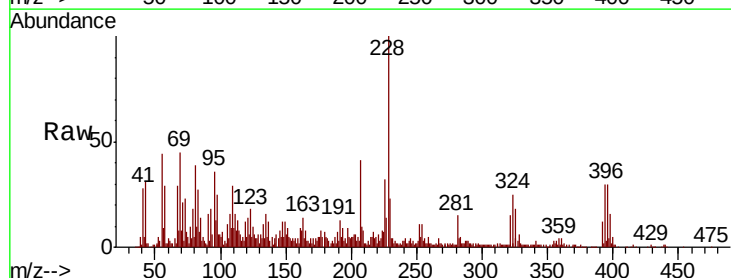
Instrument :
BNA_M
ClientSampleId :
P001-SS008-1824-01

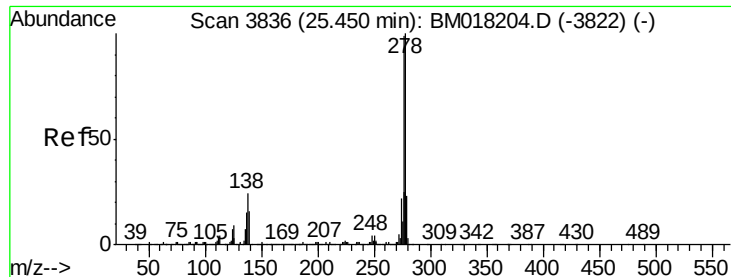
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.0	31.4
229	25.1	15.5	23.3



#83
Chrysene
Concen: 5.712 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BM018358.D
Acq: 21 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.1	34.7
229	23.3	15.8	23.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.010 ng

RT: 25.46 min Scan# 3838

Delta R.T. 0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

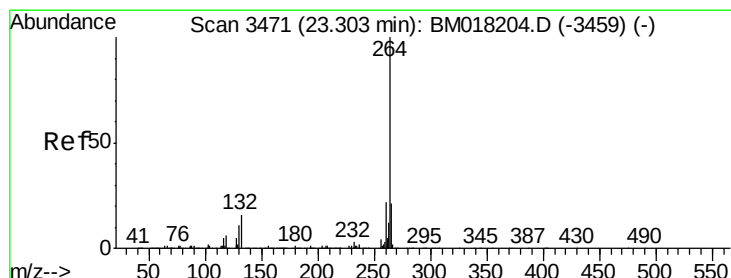
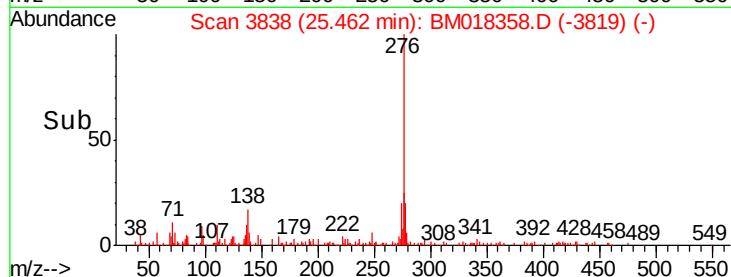
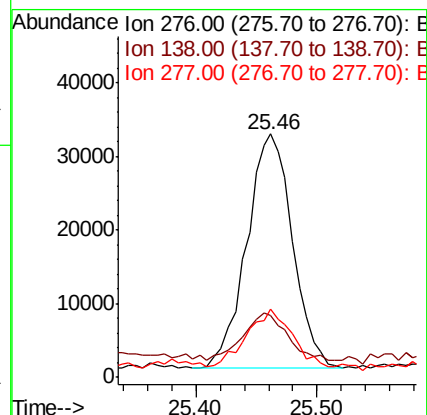
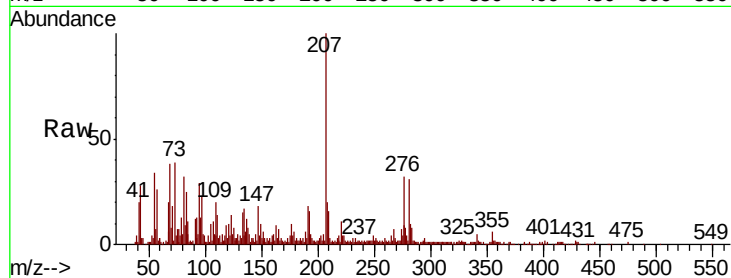
Tgt Ion:276 Resp: 83590

Ion Ratio Lower Upper

276 100

138 19.4 18.6 28.0

277 23.7 20.3 30.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

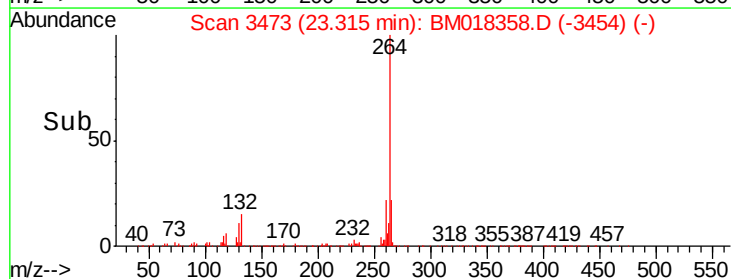
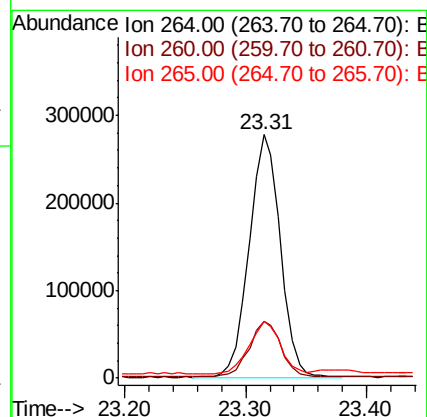
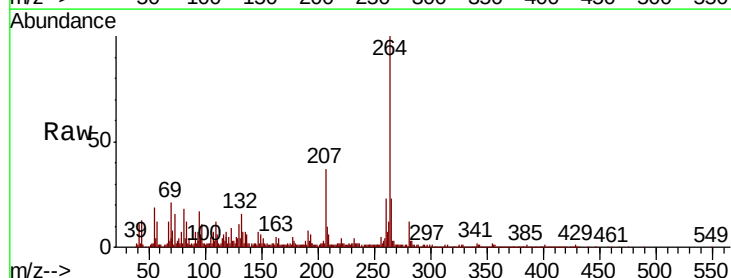
Tgt Ion:264 Resp: 496754

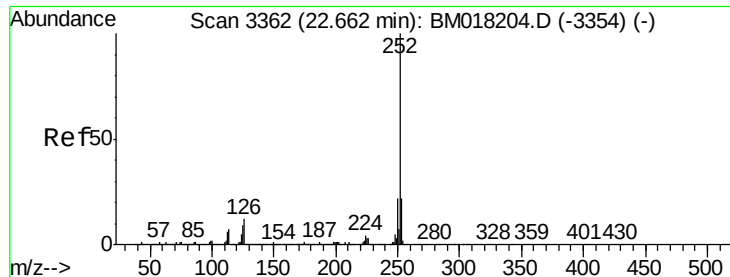
Ion Ratio Lower Upper

264 100

260 23.3 17.5 26.3

265 23.4 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 6.384 ng

RT: 22.68 min Scan# 3365

Delta R.T. 0.02 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

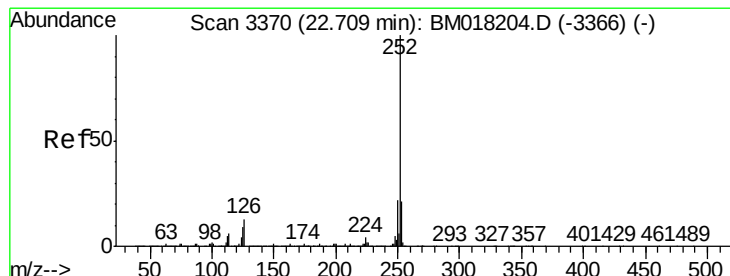
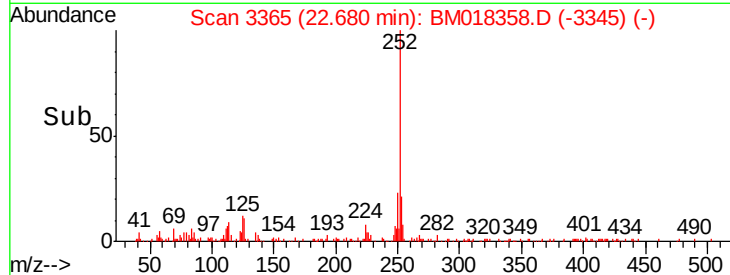
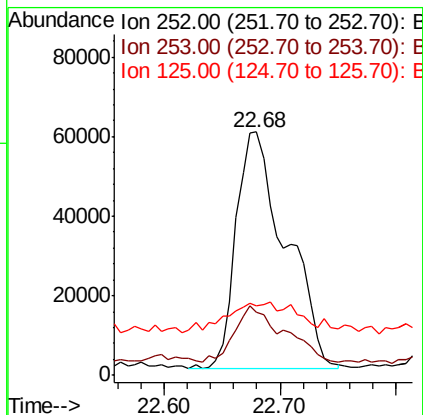
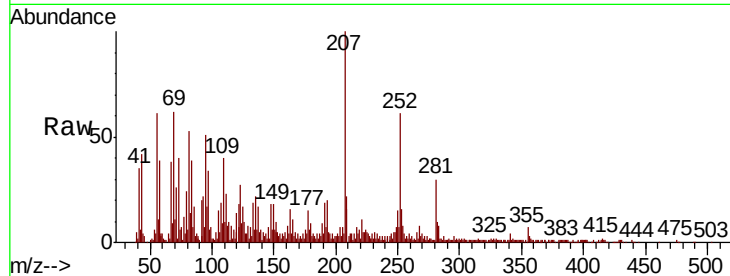
Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

Tgt Ion:	252	Resp:	178139
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.6	26.4
125	28.6	7.4	11.0#



#89

Benzo(k)fluoranthene

Concen: 6.418 ng

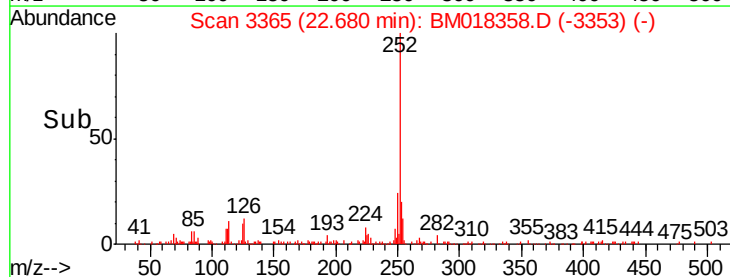
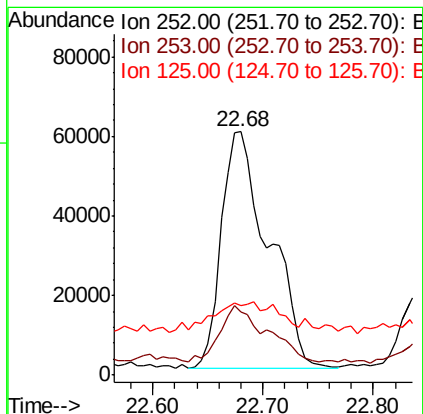
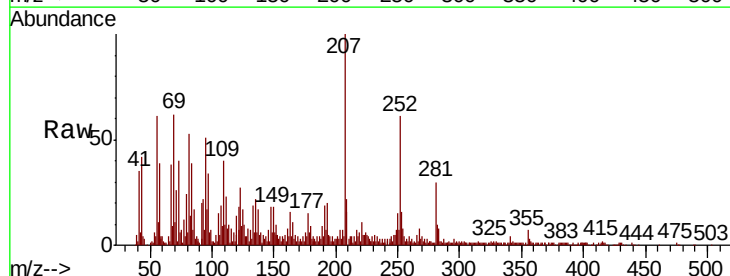
RT: 22.68 min Scan# 3365

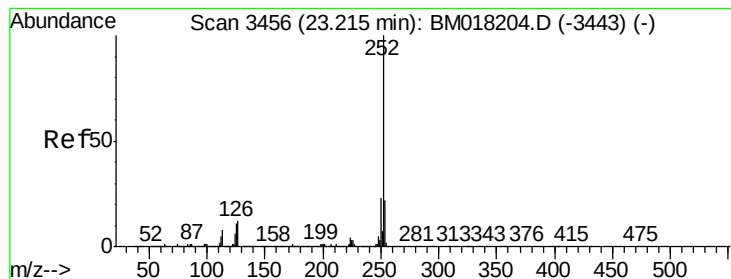
Delta R.T. -0.03 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Tgt Ion:	252	Resp:	178342
Ion Ratio	Lower	Upper	
252	100		
253	26.1	16.9	25.3#
125	28.6	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 5.477 ng

RT: 23.22 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Instrument :

BNA_M

ClientSampleId :

P001-SS008-1824-01

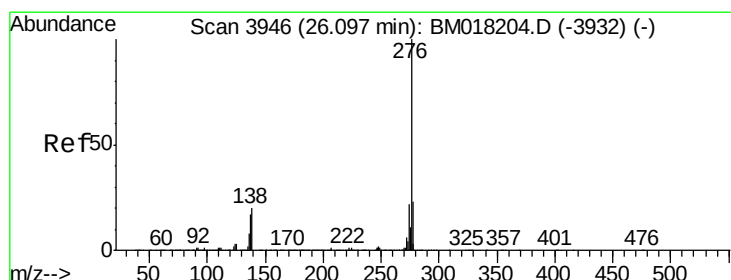
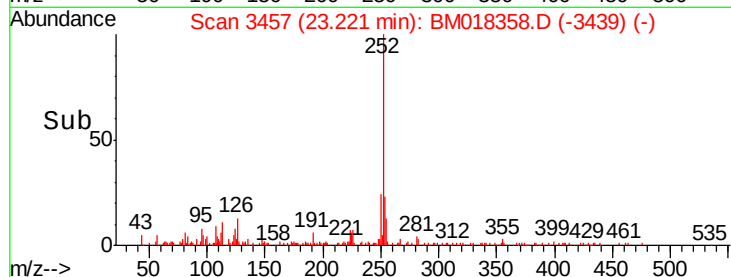
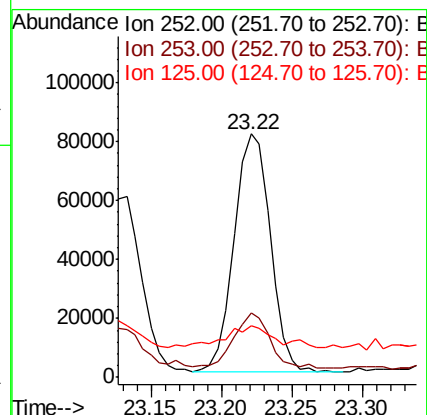
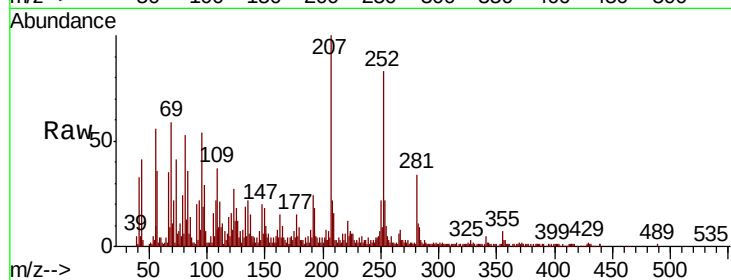
Tgt Ion:252 Resp: 145350

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

125 21.3 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 5.343 ng

RT: 26.12 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM018358.D

Acq: 21 Dec 2018 13:44

Tgt Ion:276 Resp: 124174

Ion Ratio Lower Upper

276 100

277 26.7 18.7 28.1

138 23.4 15.8 23.8

