

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018368.D
 Acq On : 21 Dec 2018 21:52
 Operator : JU/SJ
 Sample : J6357-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-07A

Quant Time: Dec 22 03:51:21 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	7.48	152	103613	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	415938	20.00	ng	-0.02
39) Acenaphthene-d10	14.15	164	253079	20.00	ng	-0.02
64) Phenanthrene-d10	16.92	188	513478	20.00	ng	0.00
76) Chrysene-d12	21.14	240	411937	20.00	ng	0.00
87) Perylene-d12	23.31	264	451103	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	710068	114.48	ng	0.00
7) Phenol-d6	6.70	99	948035	109.97	ng	0.00
23) Nitrobenzene-d5	8.65	82	634254	78.22	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	329362	88.67	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1085218	55.54	ng	-0.02
79) Terphenyl-d14	19.57	244	1232791	67.68	ng	0.00

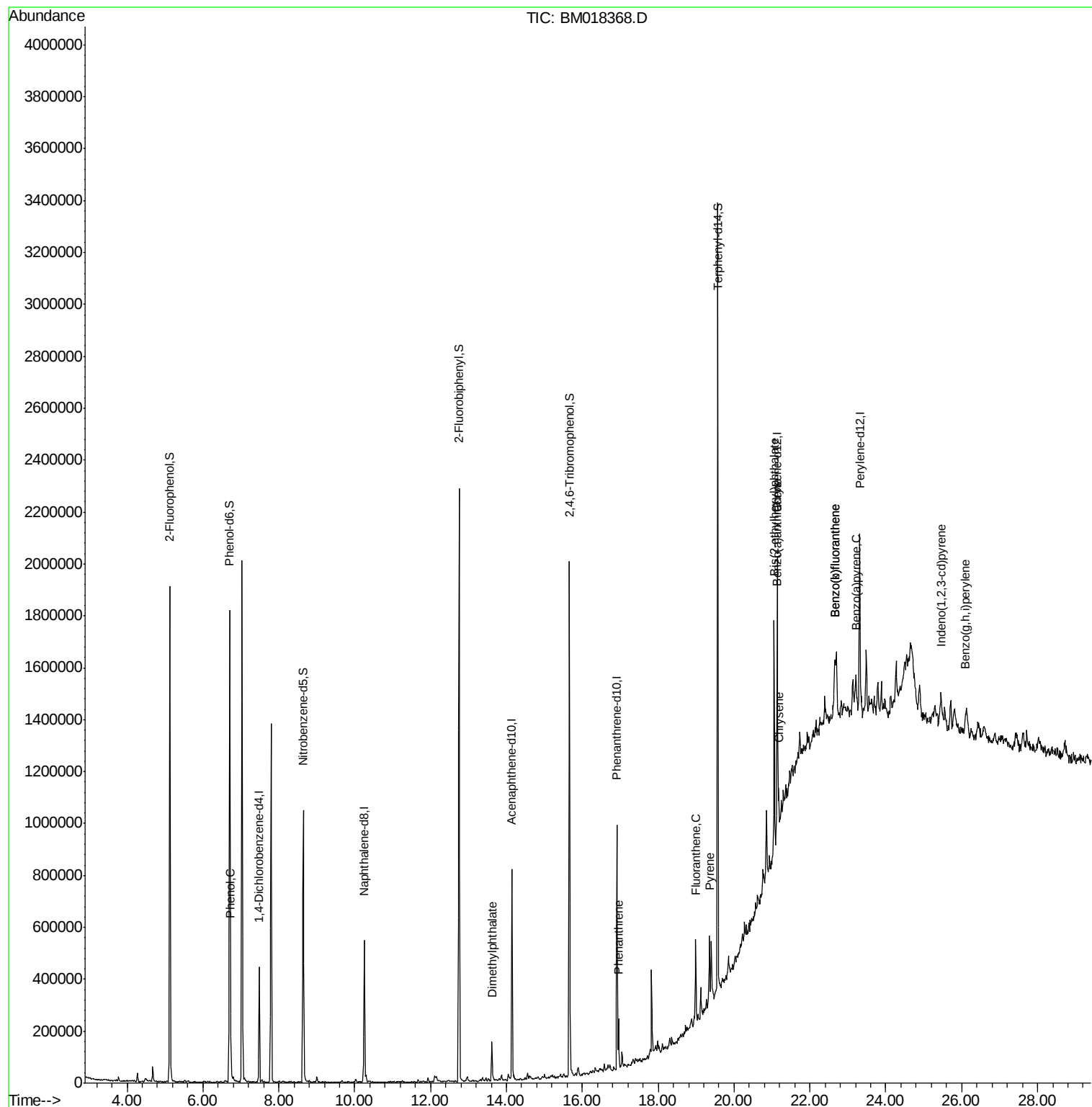
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.73	94	66514	7.285	ng	87
50) Dimethylphthalate	13.62	163	89644	4.261	ng	96
71) Phenanthrene	16.96	178	100428	3.601	ng	97
75) Fluoranthene	18.99	202	176315	5.437	ng	97
78) Pyrene	19.36	202	157191	6.404	ng	97
81) Benzo(a)anthracene	21.13	228	80712	3.354	ng	# 90
83) Chrysene	21.17	228	87707	3.789	ng	93
84) Bis(2-ethylhexyl)phthalate	21.06	149	305774	17.570	ng	97
86) Indeno(1,2,3-cd)pyrene	25.45	276	75799	3.288	ng	98
88) Benzo(b)fluoranthene	22.67	252	134198	5.296	ng	# 86
89) Benzo(k)fluoranthene	22.67	252	131777	5.222	ng	# 85
90) Benzo(a)pyrene	23.22	252	83592	3.469	ng	# 82
92) Benzo(g,h,i)perylene	26.10	276	76136	3.608	ng	99

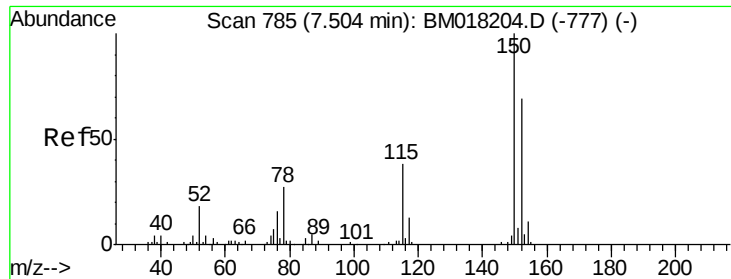
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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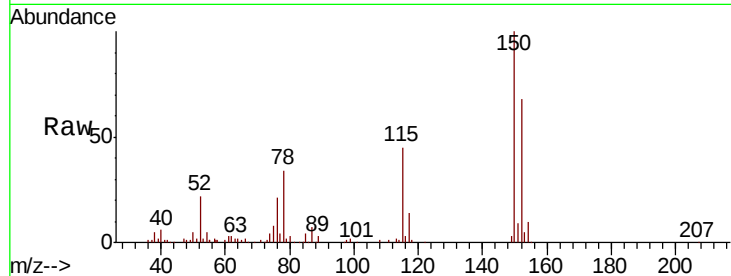


#1

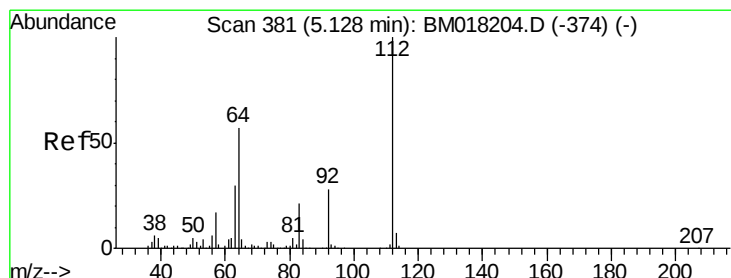
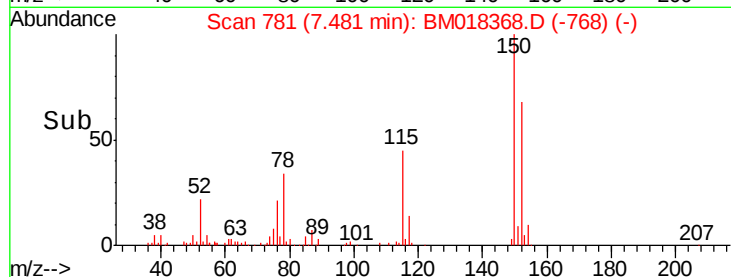
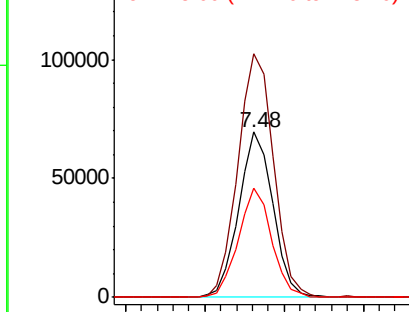
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

Instrument :
BNA_M
ClientSampleId :
SB-07A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.6	116.1	174.1
115	66.3	44.6	67.0



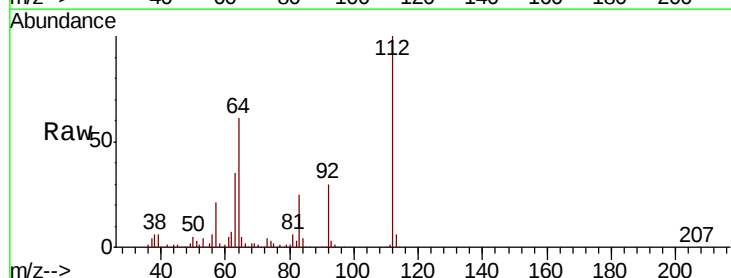
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



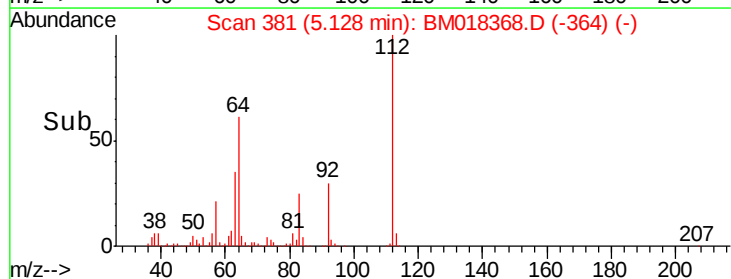
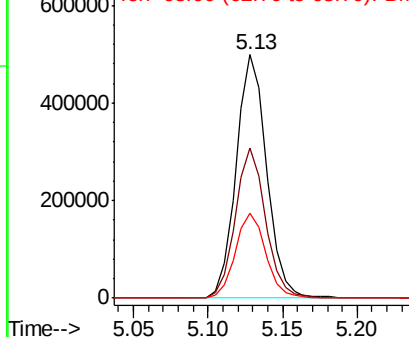
#5

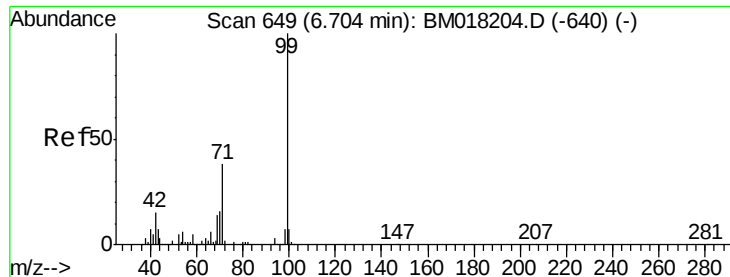
2-Fluorophenol
Concen: 114.480 ng
RT: 5.13 min Scan# 381
Delta R.T. 0.00 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	45.4	68.2
63	34.7	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: 109.967 ng

RT: 6.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

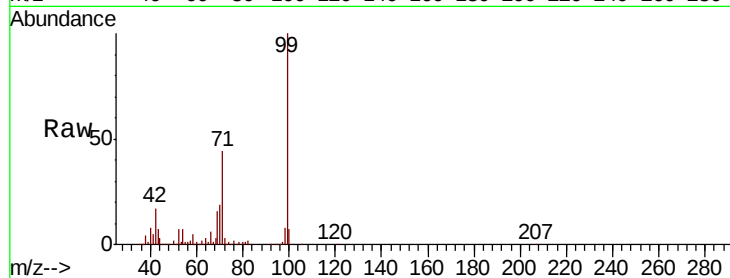
Tgt Ion: 99 Resp: 948035

Ion Ratio Lower Upper

99 100

42 17.3 12.3 18.5

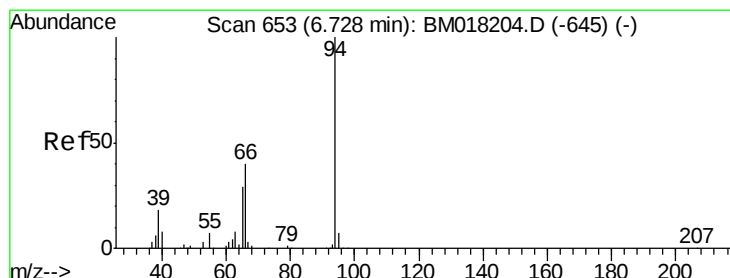
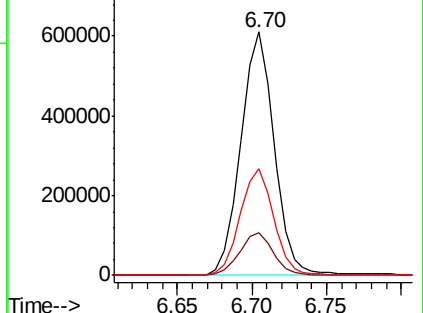
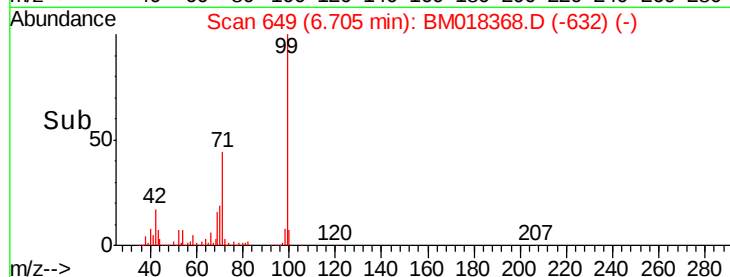
71 43.8 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018368.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018368.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018368.D (-632) (-)



#10

Phenol

Concen: 7.285 ng

RT: 6.73 min Scan# 653

Delta R.T. 0.00 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

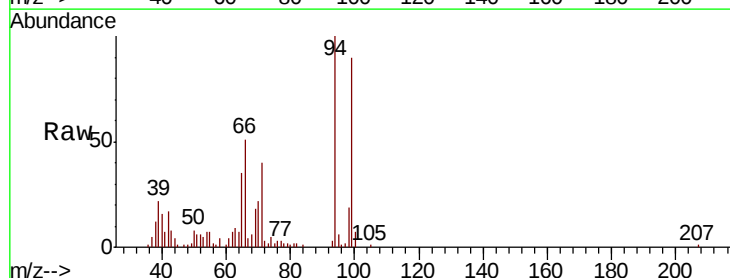
Tgt Ion: 94 Resp: 66514

Ion Ratio Lower Upper

94 100

65 35.3 9.5 49.5

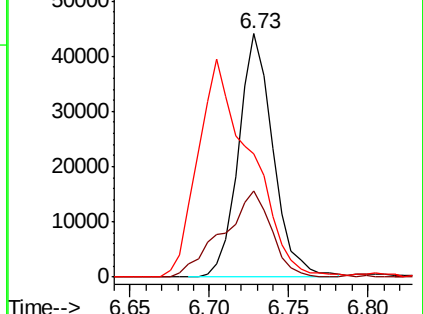
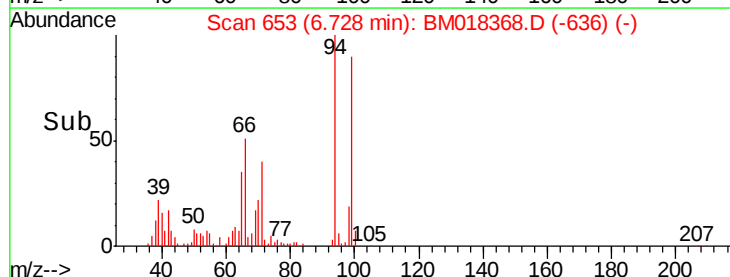
66 50.7 21.3 61.3

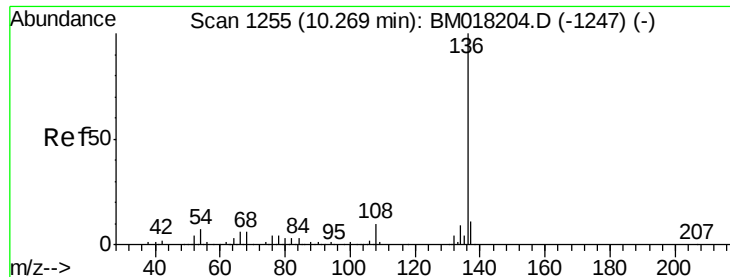


Abundance Ion 94.00 (93.70 to 94.70): BM018368.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018368.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018368.D (-636) (-)

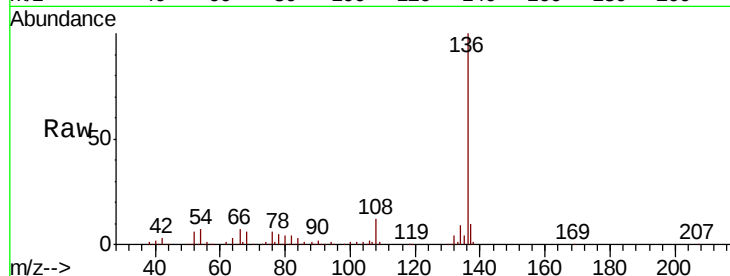




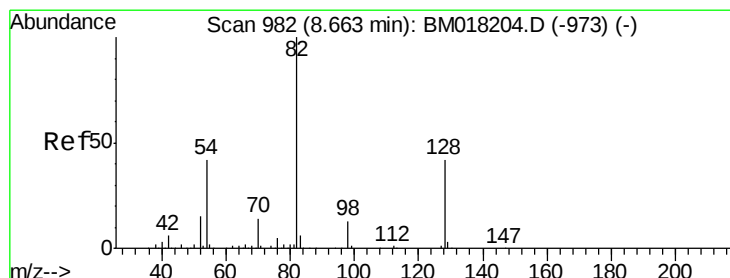
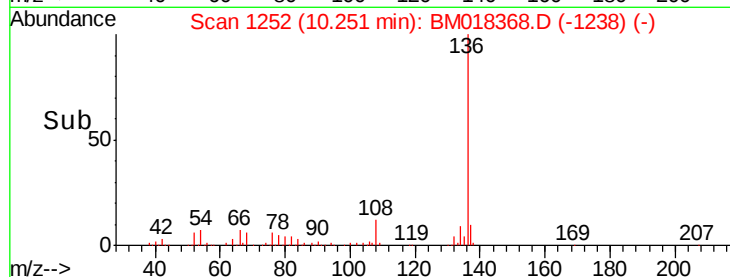
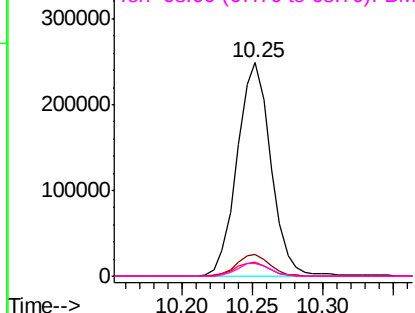
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

Instrument :
BNA_M
ClientSampleId :
SB-07A

Tgt Ion:	136	Resp:	415938
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.2	13.8
54	6.7	5.2	7.8
68	6.2	5.0	7.6

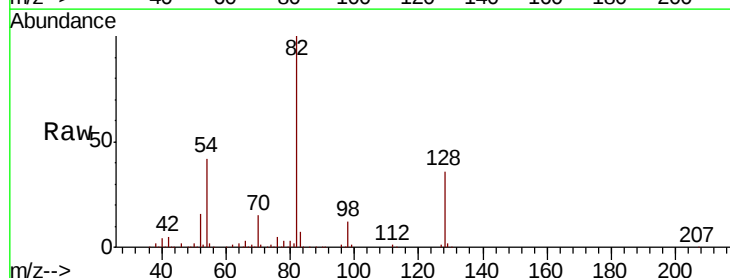


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

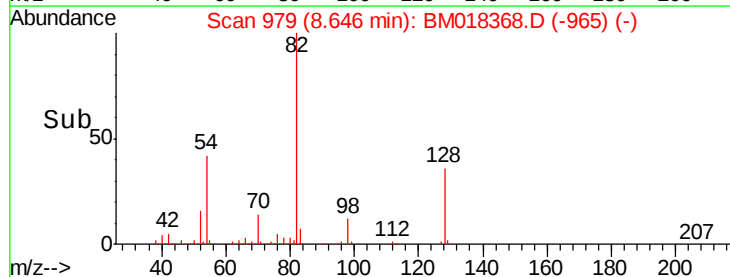
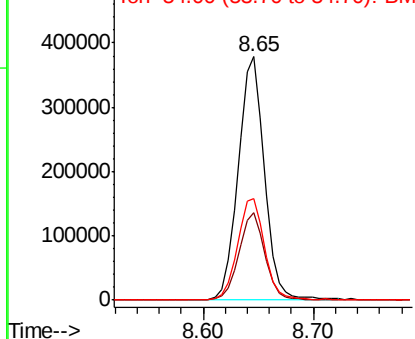


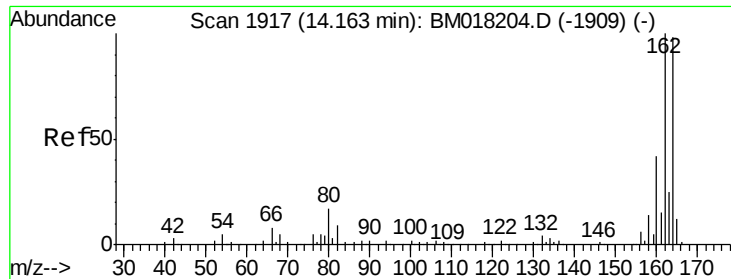
#23
Nitrobenzene-d5
Concen: 78.216 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

Tgt Ion:	82	Resp:	634254
Ion	Ratio	Lower	Upper
82	100		
128	35.7	33.4	50.2
54	41.8	33.4	50.2



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.15 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

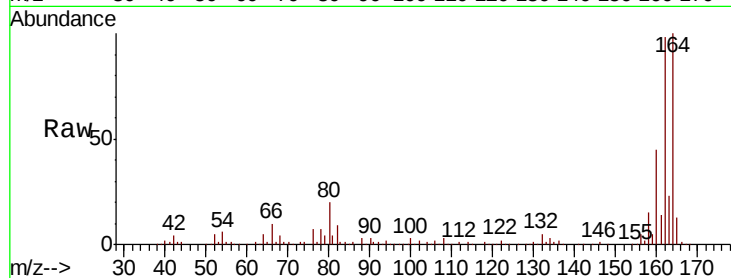
Tgt Ion:164 Resp: 253079

Ion Ratio Lower Upper

164 100

162 98.4 81.8 122.6

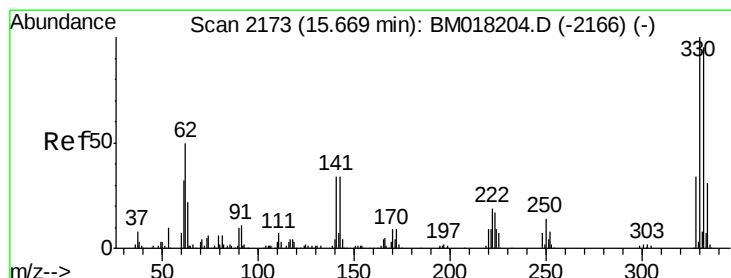
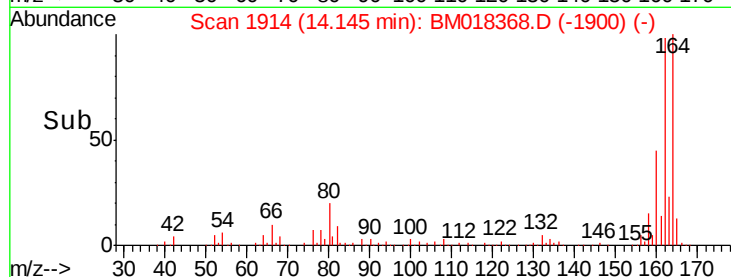
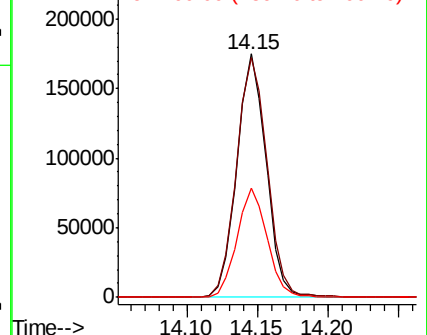
160 45.1 34.6 51.8



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: 88.669 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

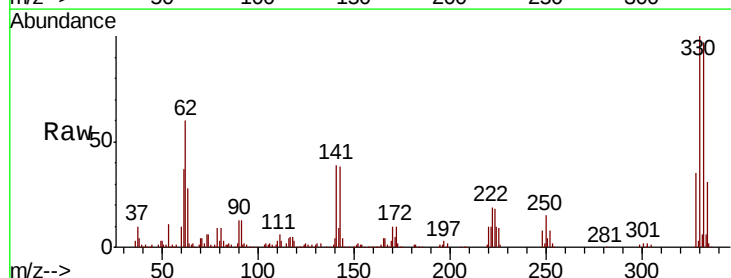
Tgt Ion:330 Resp: 329362

Ion Ratio Lower Upper

330 100

332 97.0 78.6 118.0

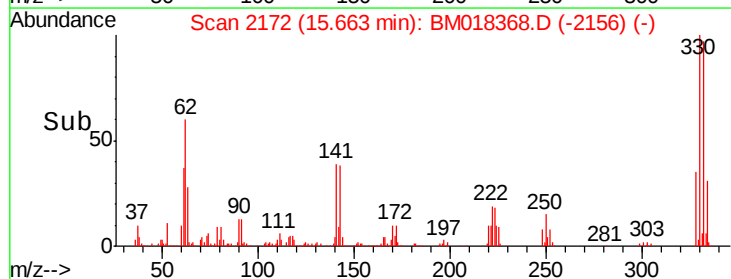
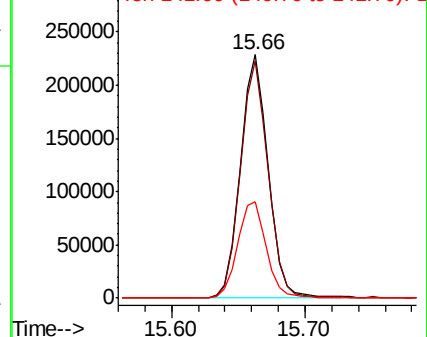
141 41.2 27.1 40.7#

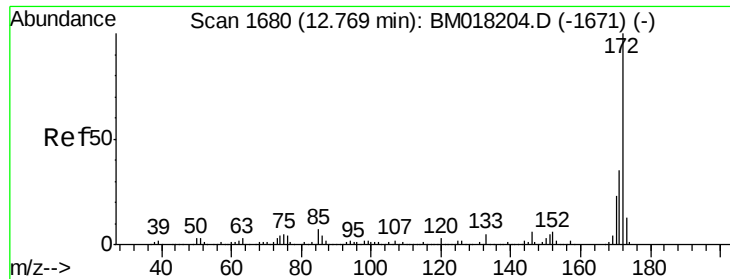


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

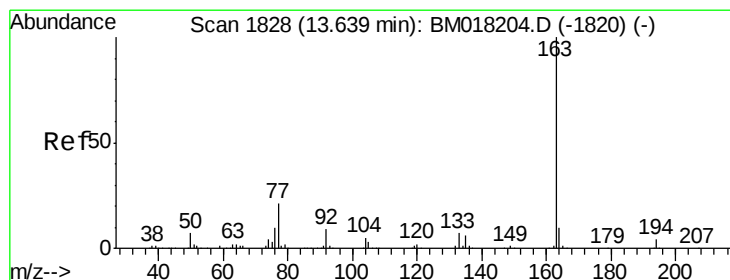
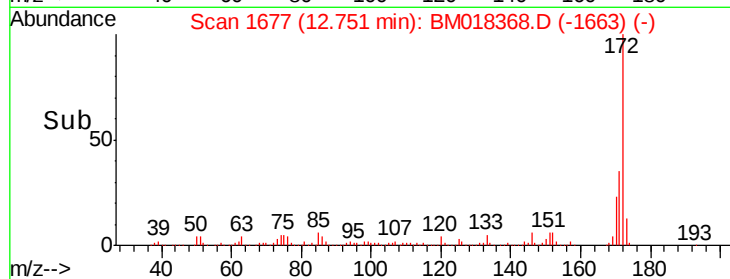
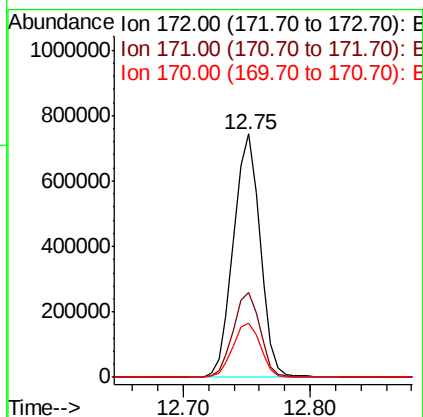
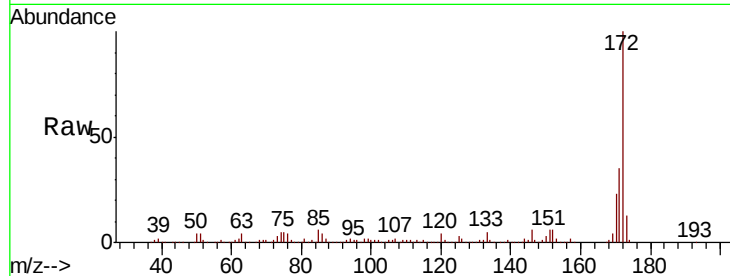




#45
 2-Fluorobiphenyl
 Concen: 55.540 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018368.D
 Acq: 21 Dec 2018 21:52

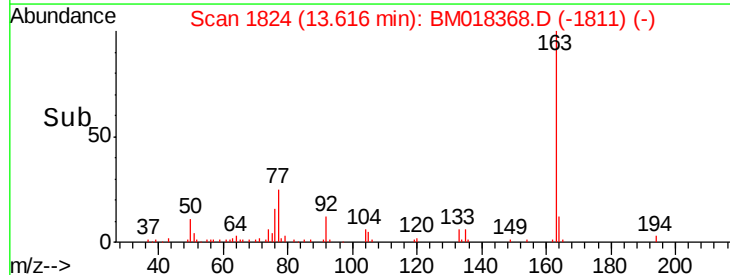
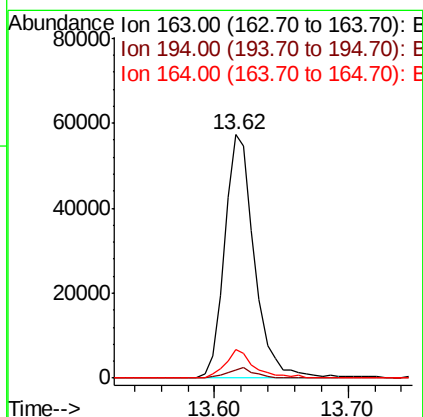
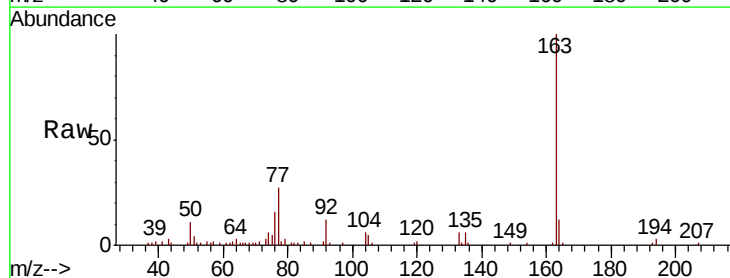
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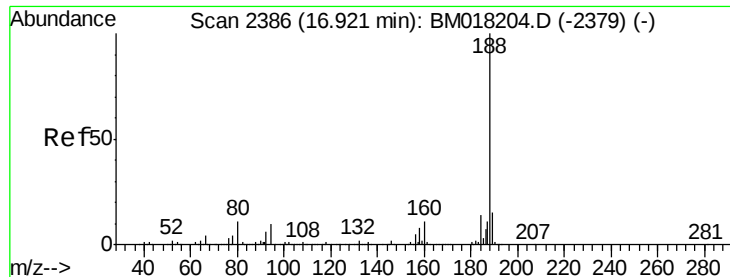
Tgt Ion:172 Resp: 1085218
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.3 42.5
 170 22.5 18.1 27.1



#50
 Dimethylphthalate
 Concen: 4.261 ng
 RT: 13.62 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BM018368.D
 Acq: 21 Dec 2018 21:52

Tgt Ion:163 Resp: 89644
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.1 4.7
 164 11.6 7.9 11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

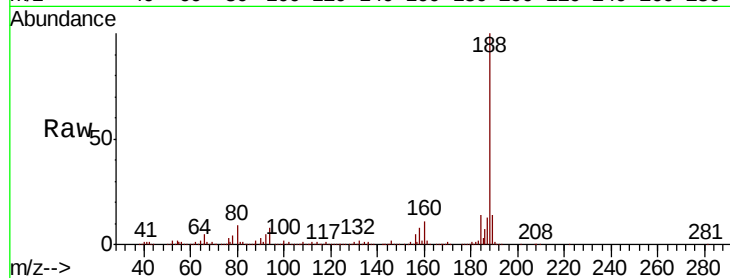
Tgt Ion:188 Resp: 513478

Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

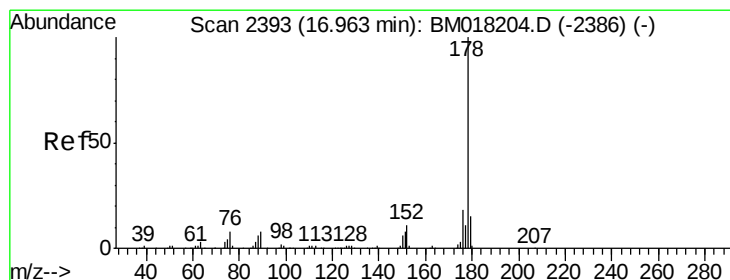
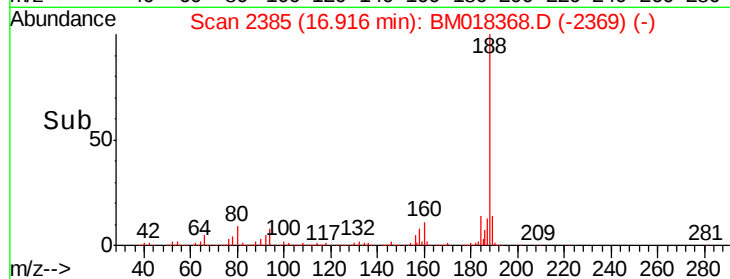
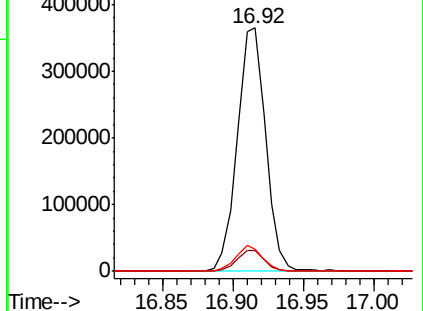
80 9.2 9.0 13.6



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: 3.601 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

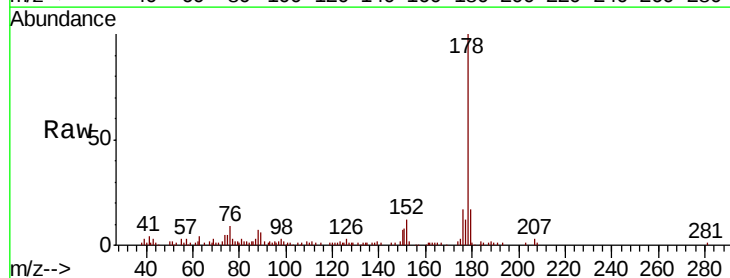
Tgt Ion:178 Resp: 100428

Ion Ratio Lower Upper

178 100

176 17.4 14.7 22.1

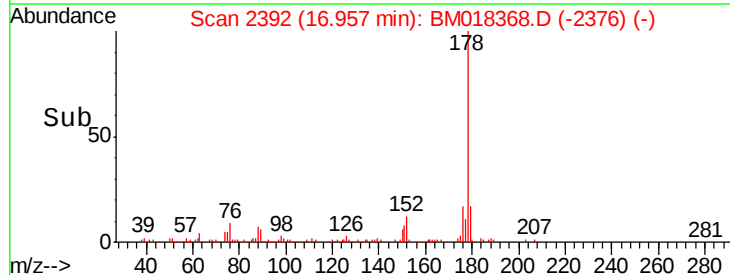
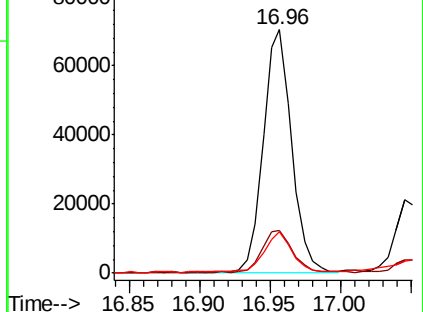
179 16.8 12.0 18.0

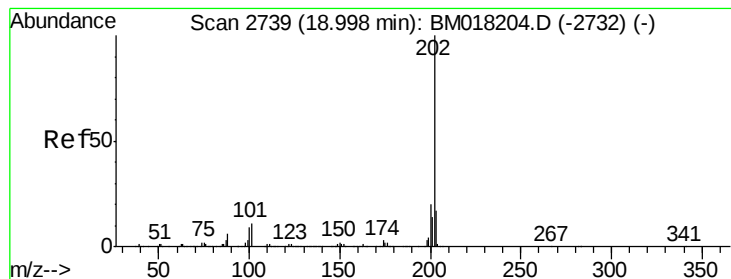


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.437 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

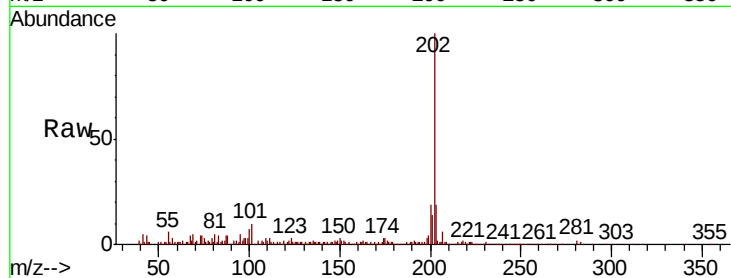
Instrument :

BNA_M

ClientSampleId :

SB-07A

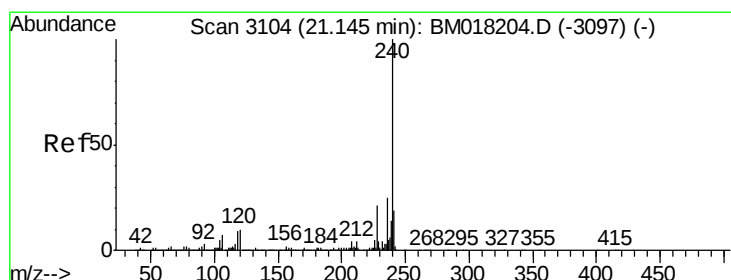
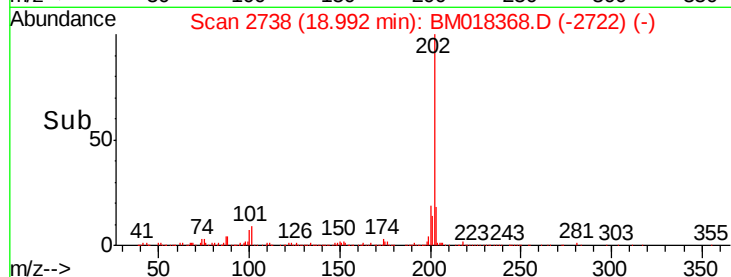
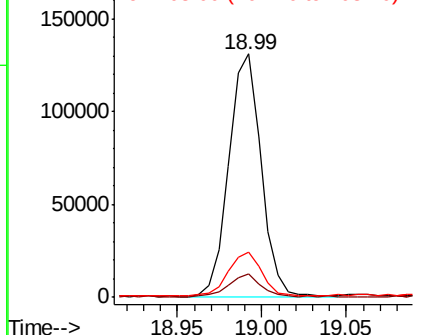
Tgt Ion:	202	Resp:	176315
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.5
203	18.8	0.0	37.5



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

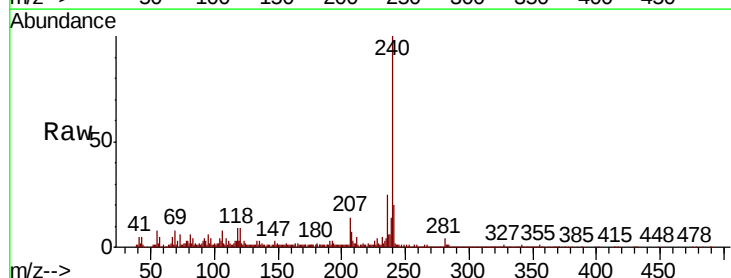
RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

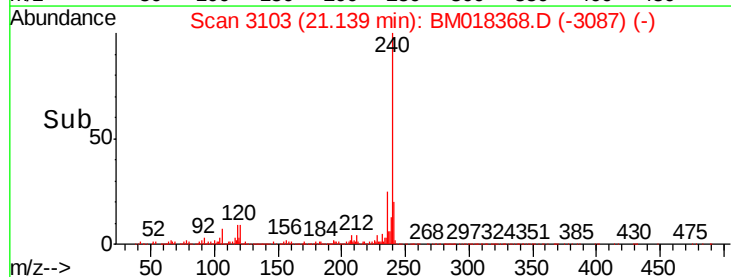
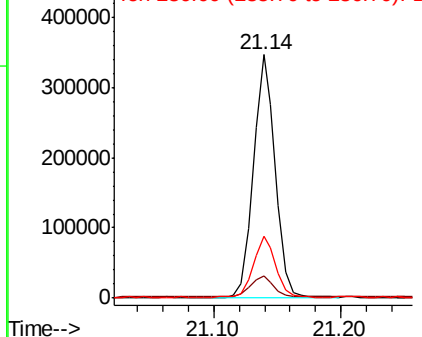
Tgt Ion:	240	Resp:	411937
Ion Ratio	Lower	Upper	
240	100		
120	9.1	8.2	12.2
236	25.5	20.3	30.5

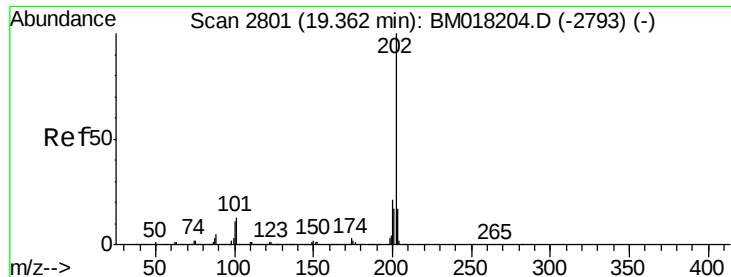


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

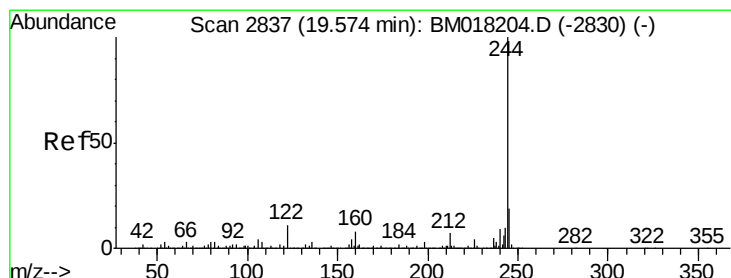
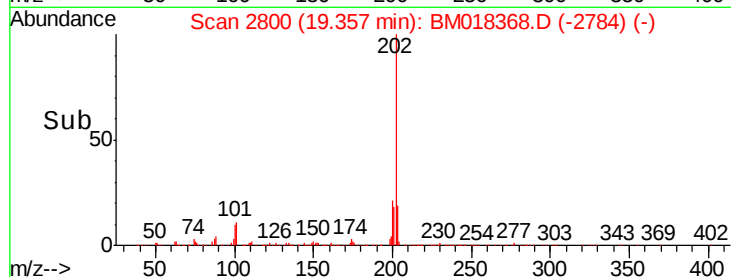
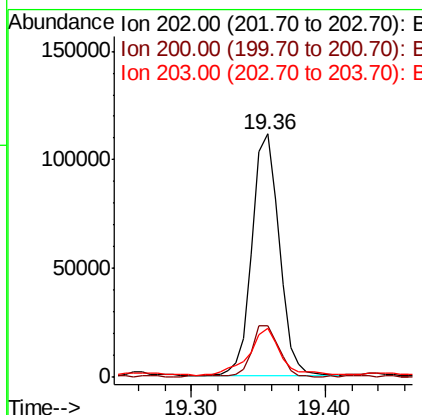
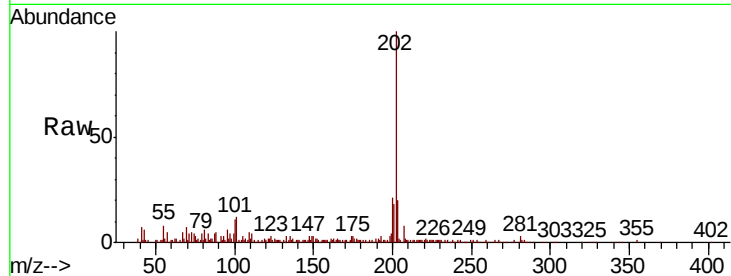




#78
 Pyrene
 Concen: 6.404 ng
 RT: 19.36 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM018368.D
 Acq: 21 Dec 2018 21:52

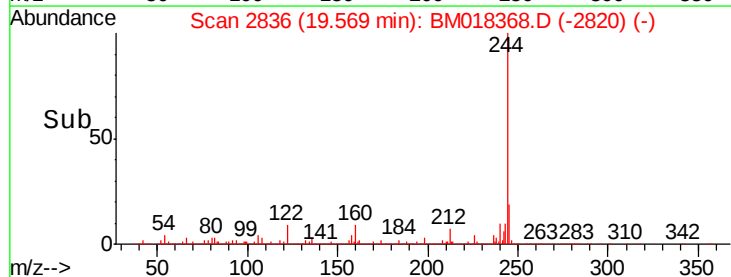
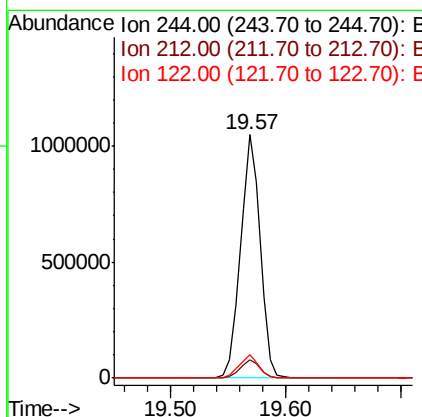
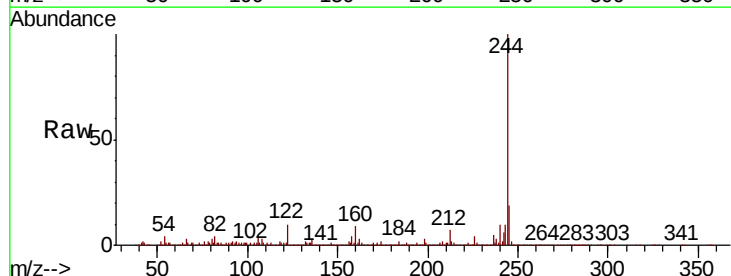
Instrument :
 BNA_M
 ClientSampled :
 SB-07A

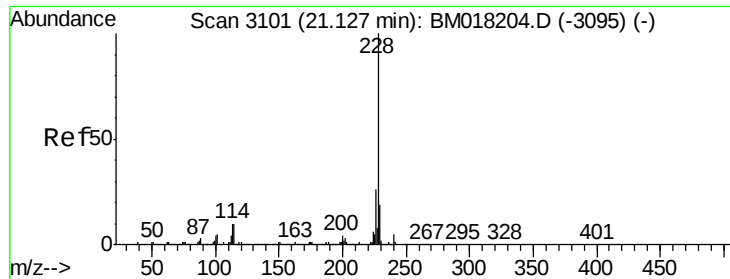
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7
203	20.0	14.0	21.0



#79
 Terphenyl-d14
 Concen: 67.684 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM018368.D
 Acq: 21 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.6	9.0	13.6





#81

Benzo(a)anthracene

Concen: 3.354 ng

RT: 21.13 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

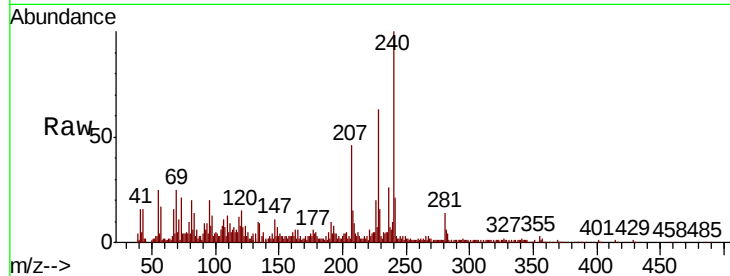
Tgt Ion:228 Resp: 80712

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

229 24.5 15.5 23.3#

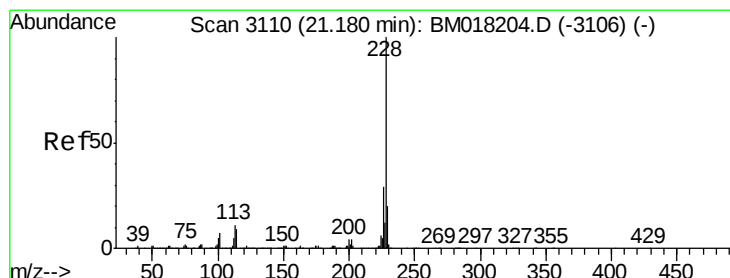
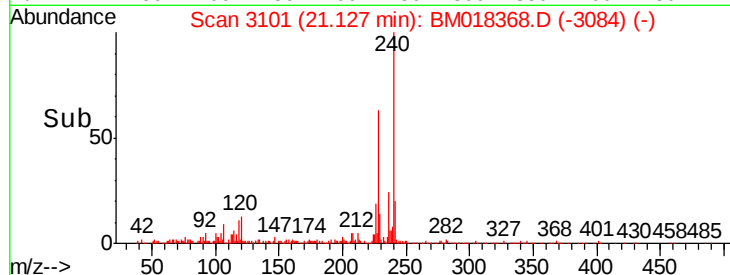
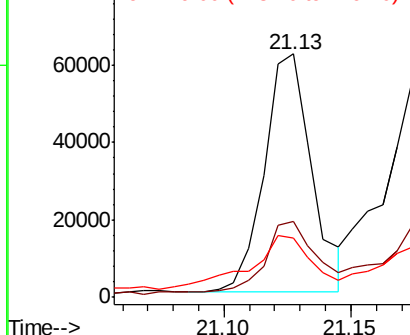


Abundance

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: 3.789 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

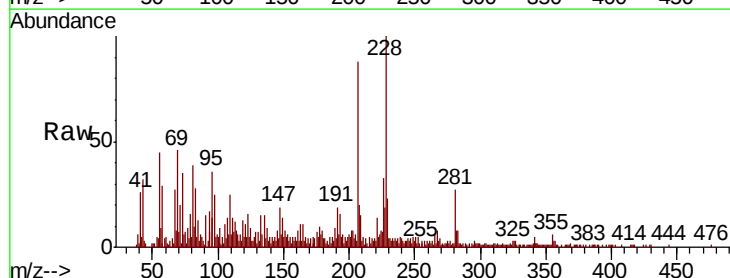
Tgt Ion:228 Resp: 87707

Ion Ratio Lower Upper

228 100

226 32.9 23.1 34.7

229 22.9 15.8 23.6

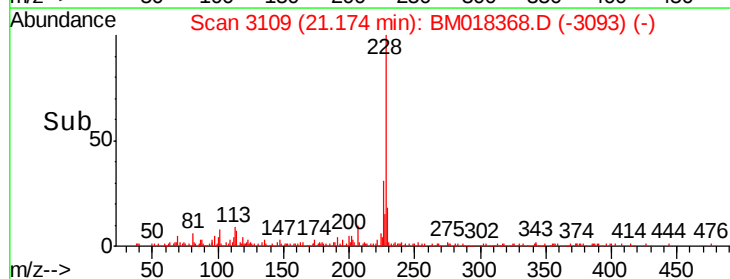
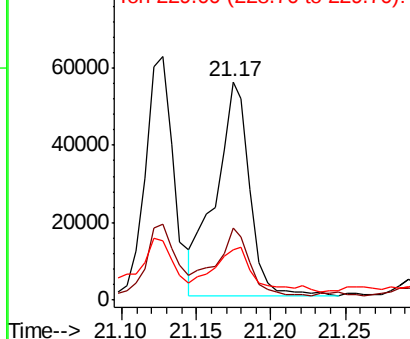


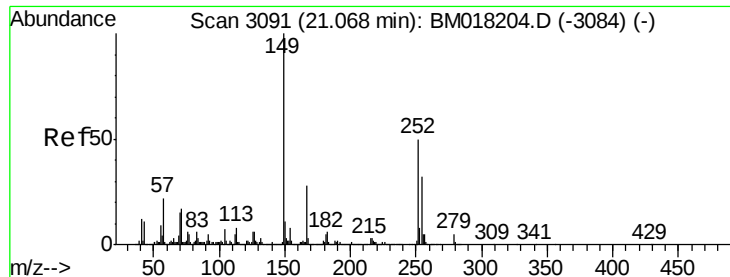
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 17.570 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

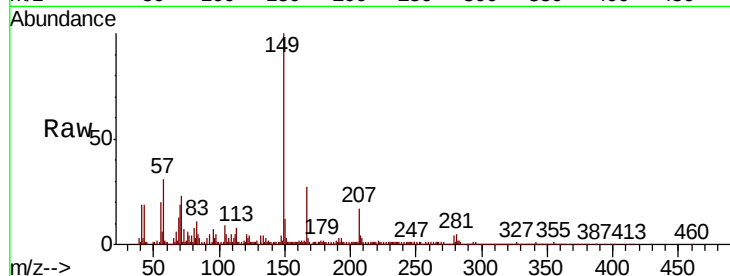
Tgt Ion:149 Resp: 305774

Ion Ratio Lower Upper

149 100

167 26.9 22.7 34.1

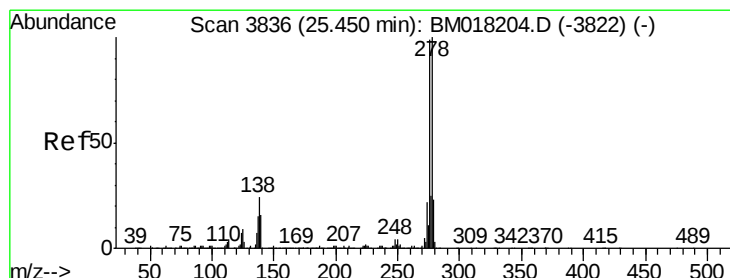
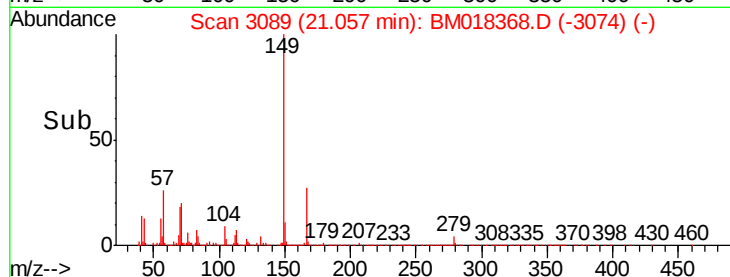
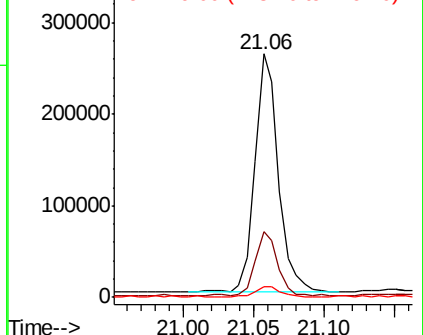
279 4.2 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.288 ng

RT: 25.45 min Scan# 3836

Delta R.T. 0.00 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

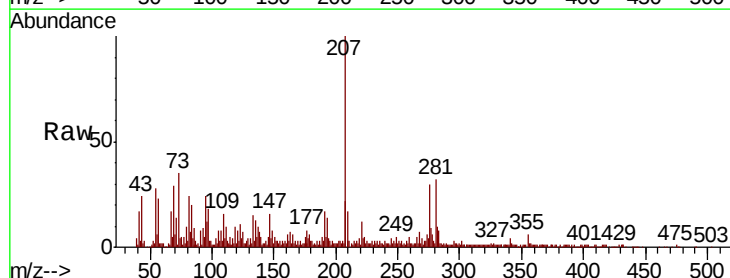
Tgt Ion:276 Resp: 75799

Ion Ratio Lower Upper

276 100

138 22.7 18.6 28.0

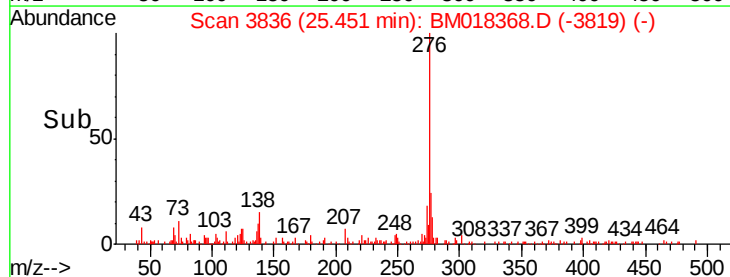
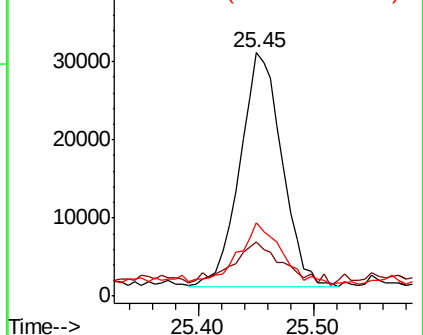
277 26.4 20.3 30.5

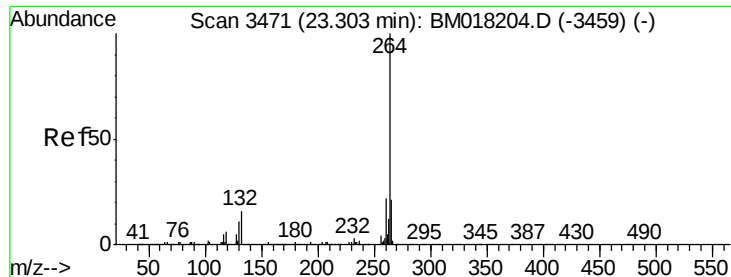


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

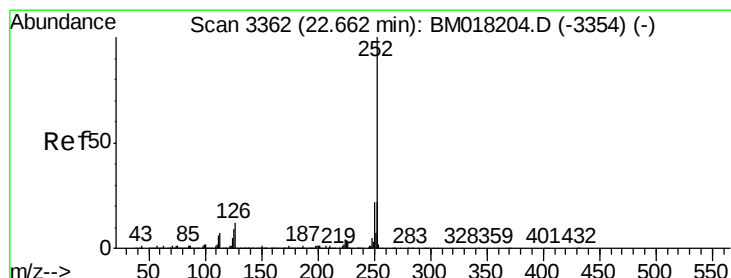
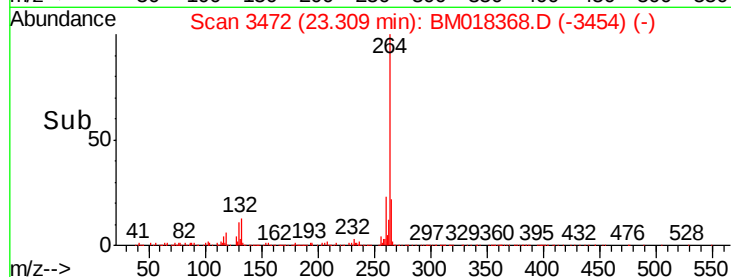
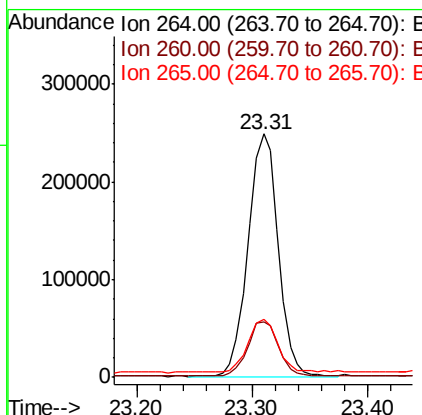
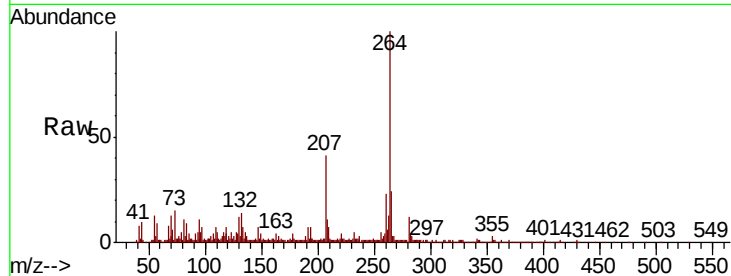




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.31 min Scan# 3472
Delta R.T. 0.01 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

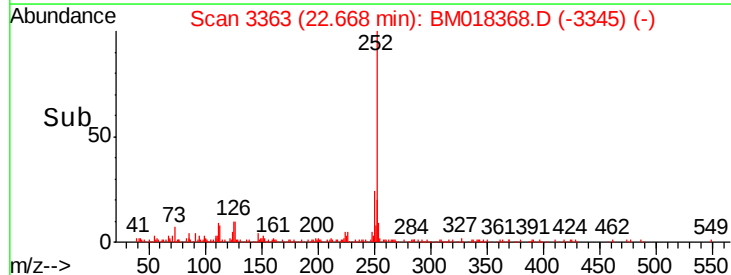
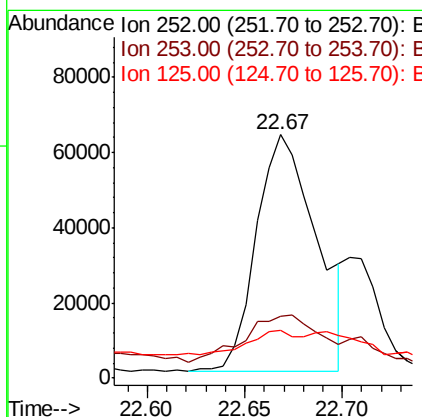
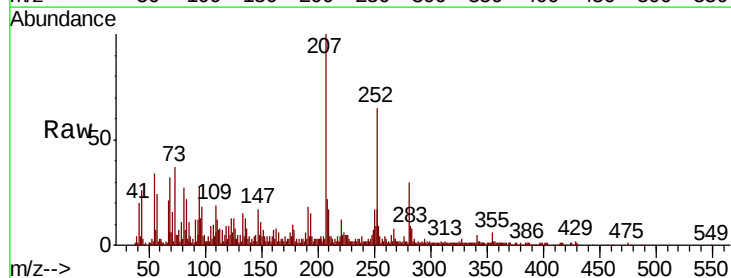
Instrument :
BNA_M
ClientSampleId :
SB-07A

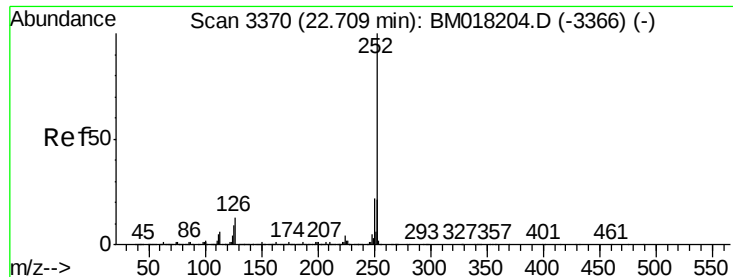
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.5	26.3
265	24.0	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 5.296 ng
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM018368.D
Acq: 21 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	19.9	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 5.222 ng

RT: 22.67 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

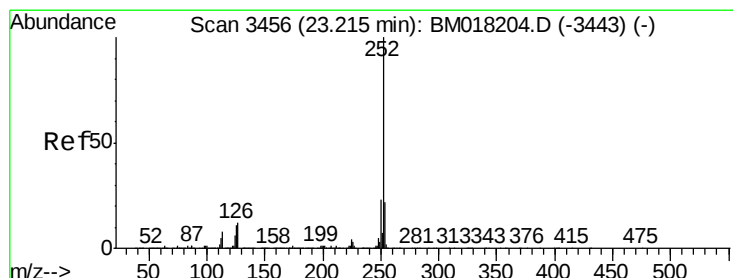
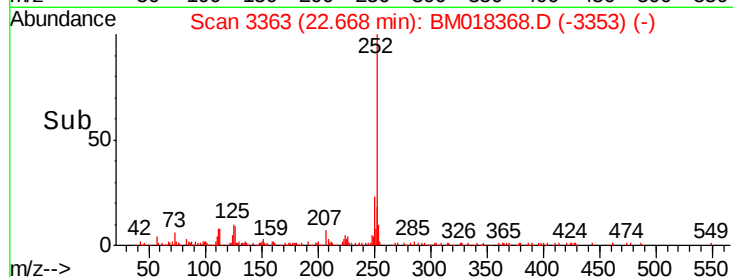
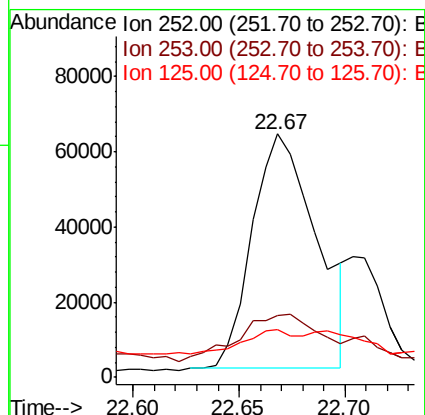
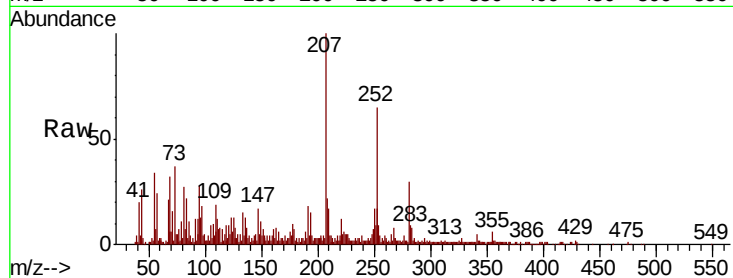
Tgt Ion:252 Resp: 131777

Ion Ratio Lower Upper

252 100

253 25.6 16.9 25.3#

125 19.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 3.469 ng

RT: 23.22 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

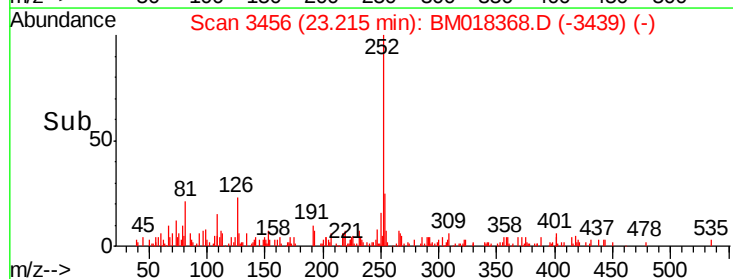
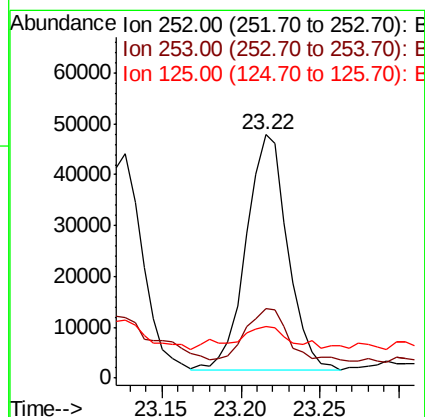
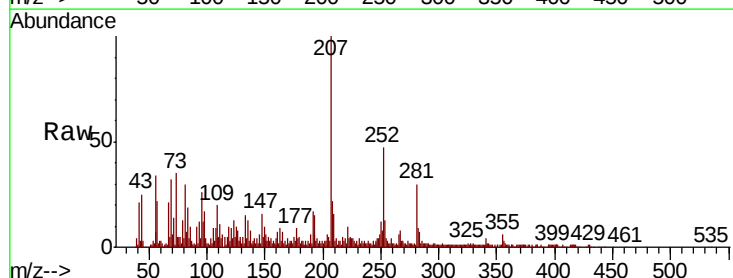
Tgt Ion:252 Resp: 83592

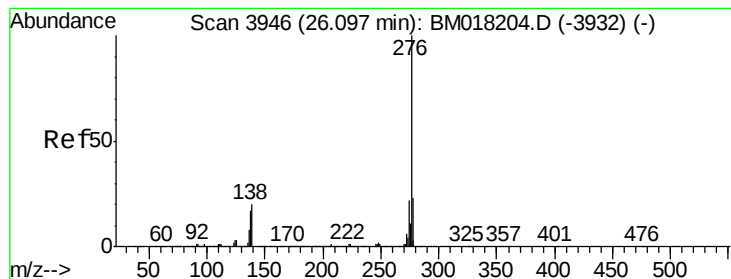
Ion Ratio Lower Upper

252 100

253 28.4 17.6 26.4#

125 21.5 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 3.608 ng

RT: 26.10 min Scan# 3947

Delta R.T. 0.01 min

Lab File: BM018368.D

Acq: 21 Dec 2018 21:52

Instrument :

BNA_M

ClientSampleId :

SB-07A

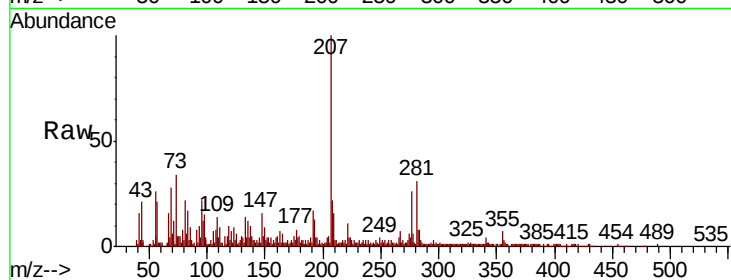
Tgt Ion: 276 Resp: 76136

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 19.3 15.8 23.8



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

