

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM012519\
 Data File : BM018656.D
 Acq On : 25 Jan 2019 17:20
 Operator : JU/SJ
 Sample : K1157-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-03-011519

Quant Time: Jan 28 02:07:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 22:01:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	225971	20.00	ng	0.00
21) Naphthalene-d8	10.52	136	893934	20.00	ng	0.00
39) Acenaphthene-d10	14.38	164	493557	20.00	ng	0.00
64) Phenanthrene-d10	17.13	188	1114244	20.00	ng	0.00
76) Chrysene-d12	21.33	240	1197653	20.00	ng	0.00
87) Perylene-d12	23.60	264	1245764	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1162676	95.01	ng	0.00
7) Phenol-d6	6.90	99	1504757	96.81	ng	0.00
23) Nitrobenzene-d5	8.90	82	914656	59.31	ng	0.00
42) 2,4,6-Tribromophenol	15.87	330	618934	98.49	ng	-0.01
45) 2-Fluorobiphenyl	13.00	172	2089961	55.25	ng	0.00
79) Terphenyl-d14	19.76	244	3007347	52.93	ng	0.00

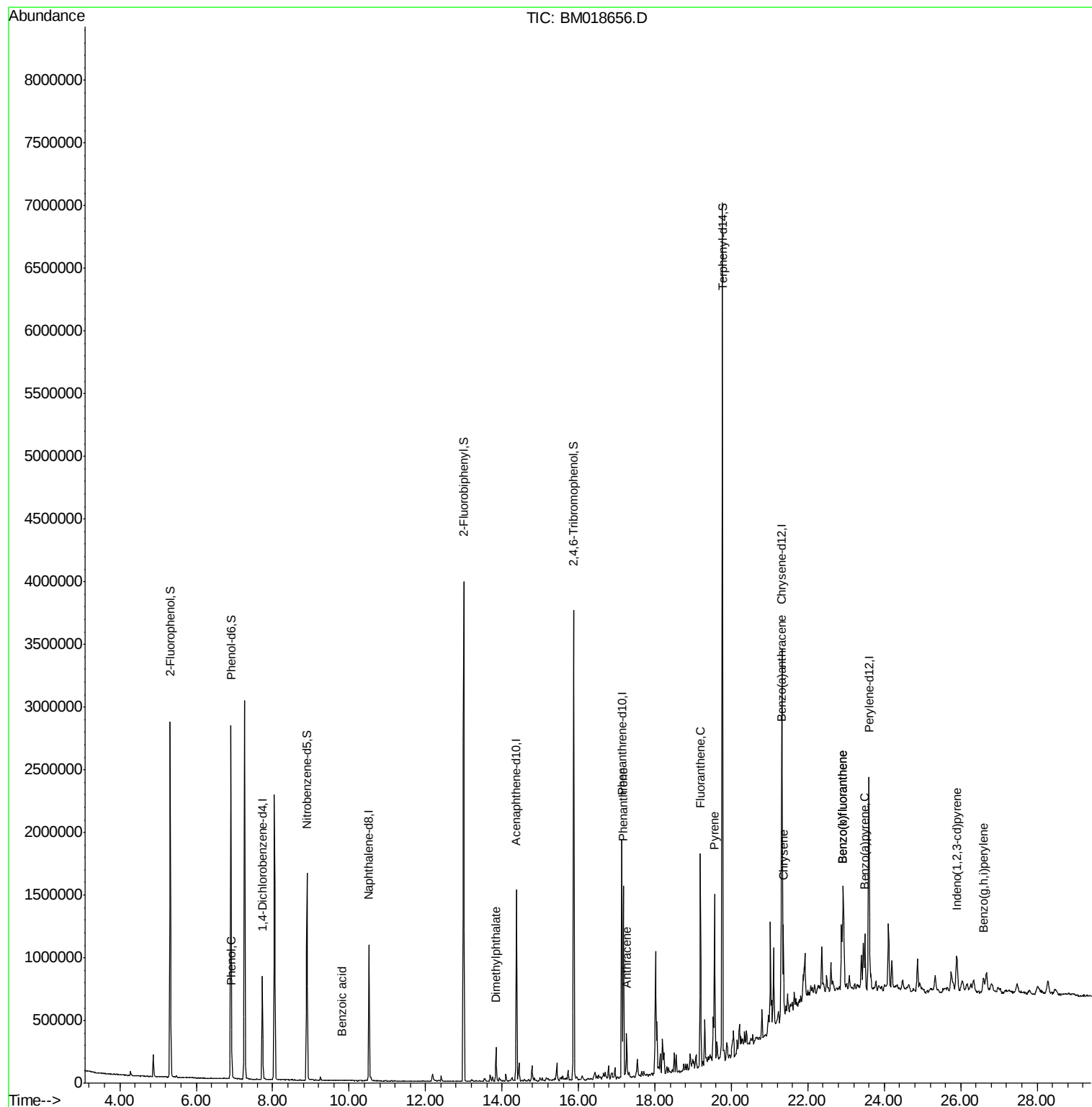
Target Compounds				Qvalue		
10) Phenol	6.93	94	77259	4.891	ng	94
32) Benzoic acid	9.82	122	1019	6.621	ng	# 6
50) Dimethylphthalate	13.84	163	169633	4.185	ng	99
71) Phenanthrene	17.17	178	890870	15.032	ng	99
72) Anthracene	17.26	178	217070	3.809	ng	98
75) Fluoranthene	19.19	202	970370	14.201	ng	98
78) Pyrene	19.56	202	809639	11.405	ng	99
81) Benzo(a)anthracene	21.31	228	479898	6.802	ng	99
83) Chrysene	21.36	228	410916	6.031	ng	96
86) Indeno(1,2,3-cd)pyrene	25.89	276	165510	2.107	ng	95
88) Benzo(b)fluoranthene	22.91	252	416354	5.887	ng	97
89) Benzo(k)fluoranthene	22.91	252	413208	5.797	ng	96
90) Benzo(a)pyrene	23.49	252	308375	4.554	ng	98
92) Benzo(g,h,i)perylene	26.60	276	145529	2.180	ng	97

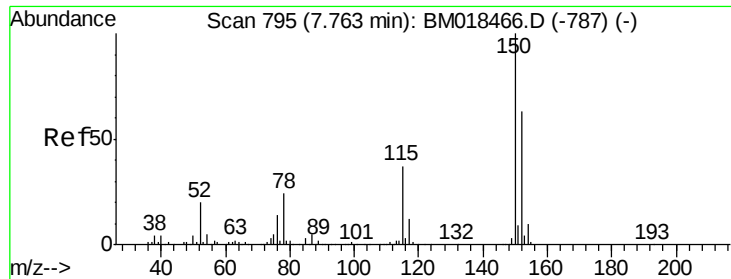
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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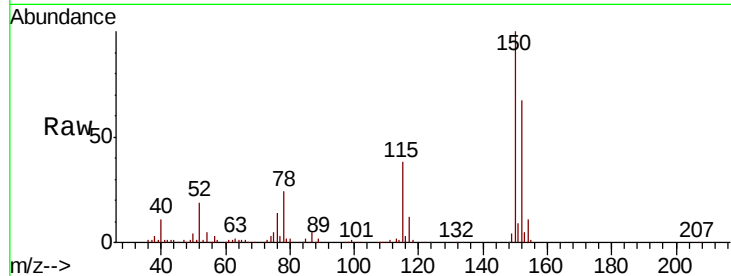


#1

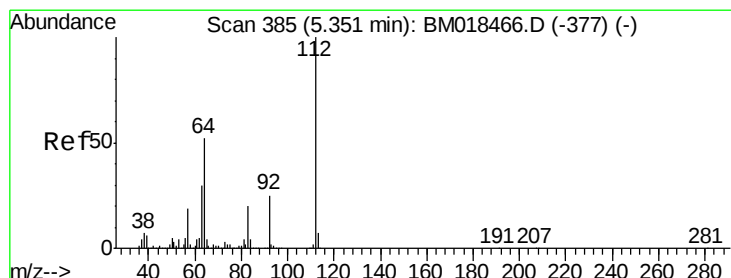
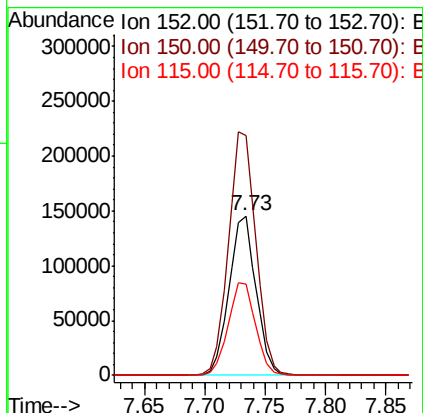
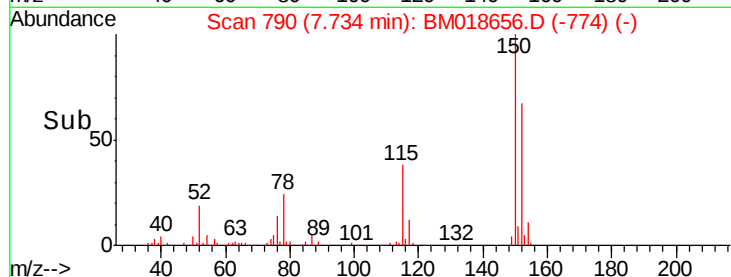
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.9	190.3
115	57.1	45.5	68.3



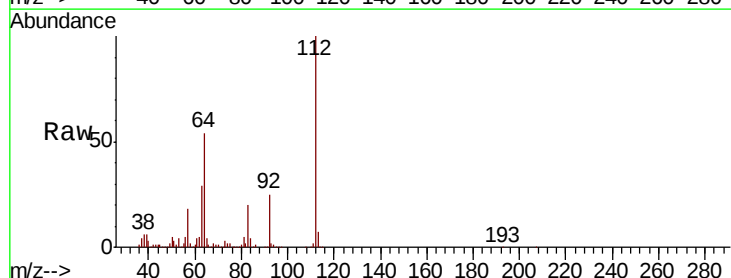
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



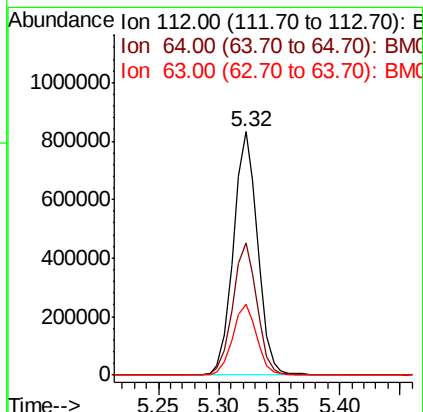
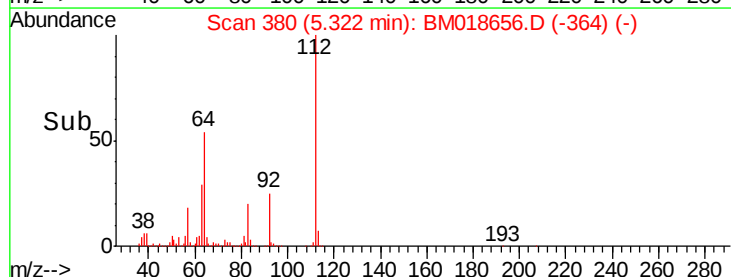
#5

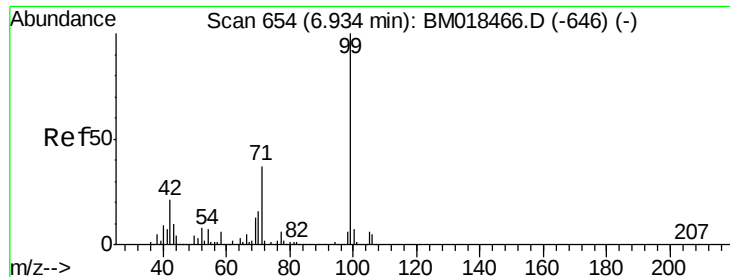
2-Fluorophenol
Concen: 95.007 ng
RT: 5.32 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.5	69.7
63	29.0	25.2	37.8



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: 96.809 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

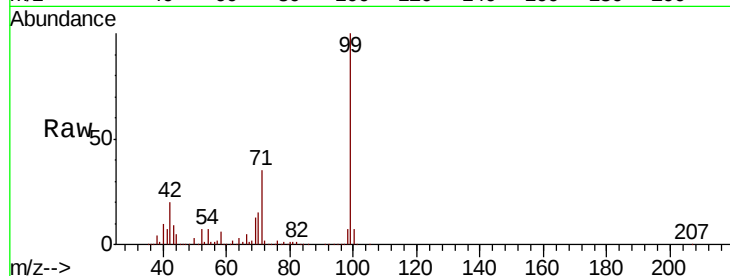
Tgt Ion: 99 Resp: 1504757

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

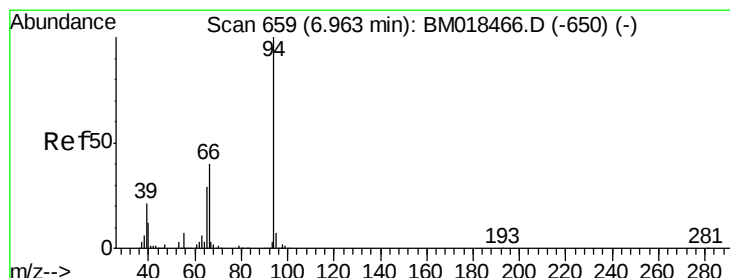
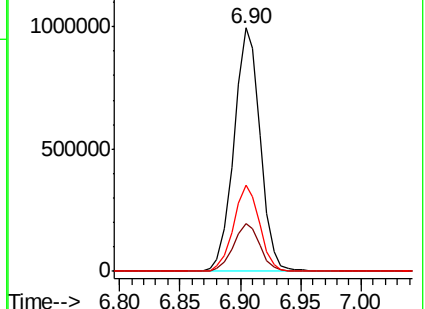
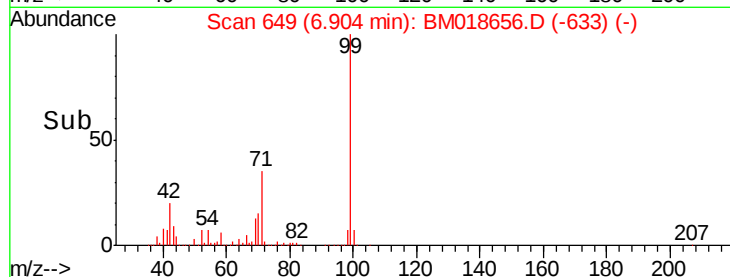
71 35.4 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018656.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018656.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018656.D (-646) (-)



#10

Phenol

Concen: 4.891 ng

RT: 6.93 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

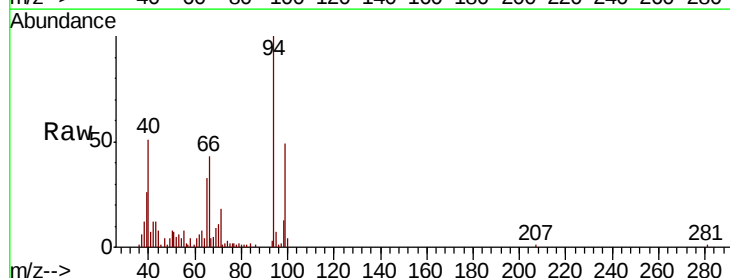
Tgt Ion: 94 Resp: 77259

Ion Ratio Lower Upper

94 100

65 32.7 9.4 49.4

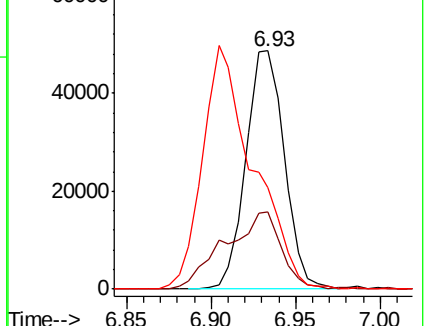
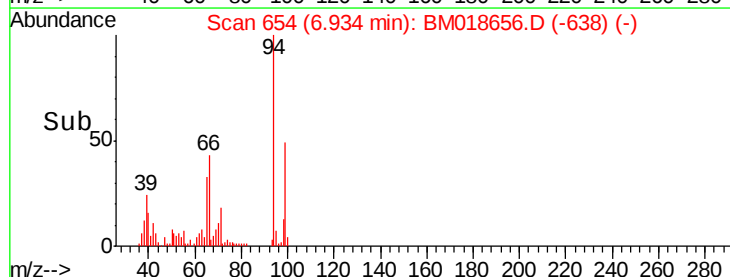
66 42.8 19.1 59.1

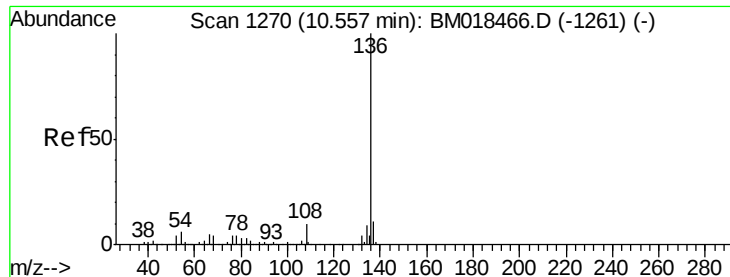


Abundance Ion 94.00 (93.70 to 94.70): BM018656.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM018656.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM018656.D (-638) (-)

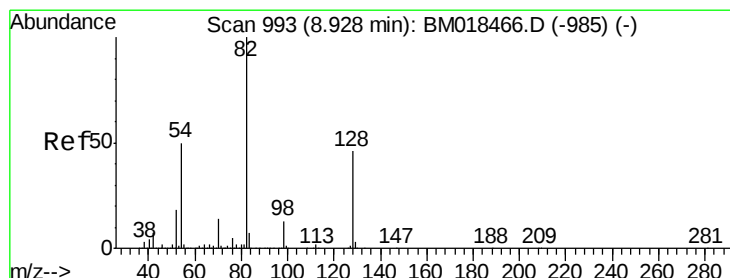
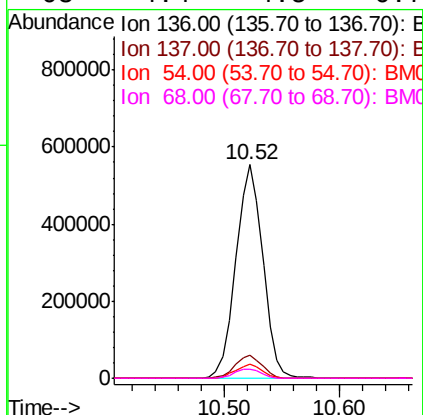
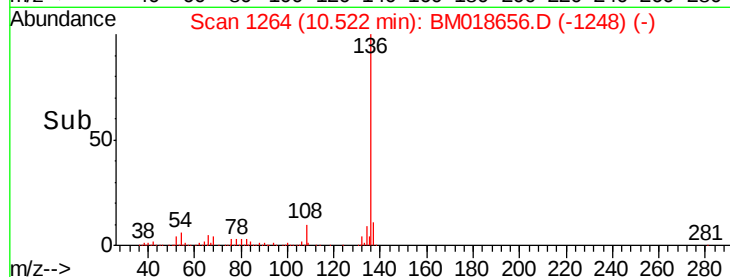
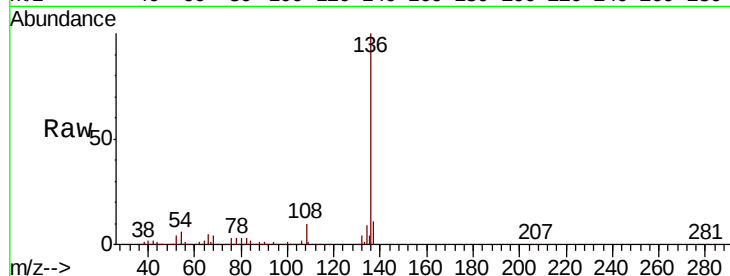




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

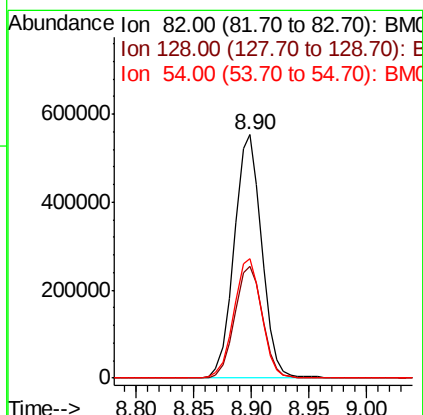
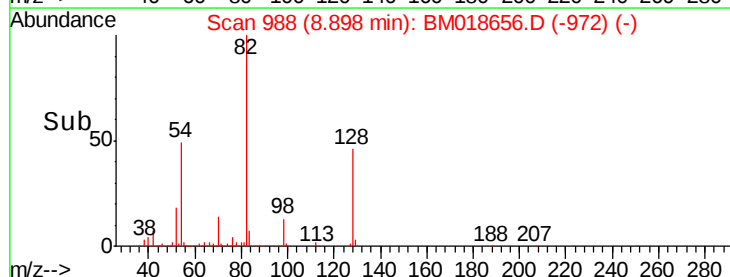
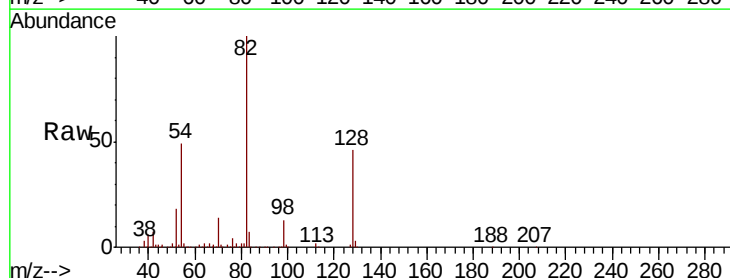
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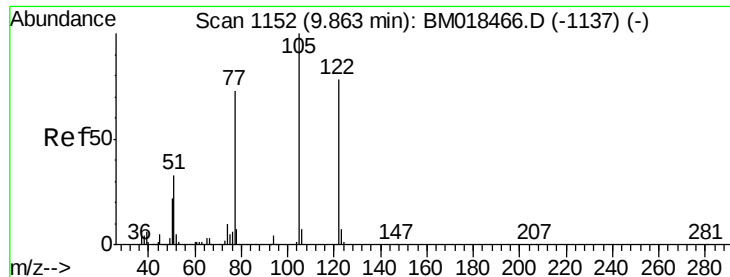
Tgt Ion:	136	Resp:	893934
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.4	6.0	9.0
68	4.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 59.315 ng
RT: 8.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Tgt Ion:	82	Resp:	914656
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	49.1	41.7	62.5

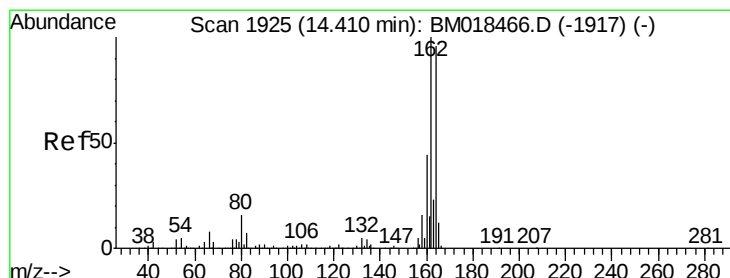
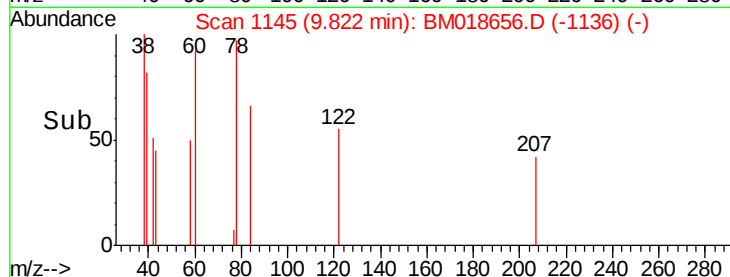
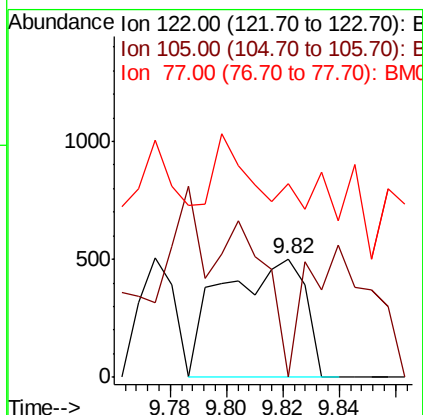
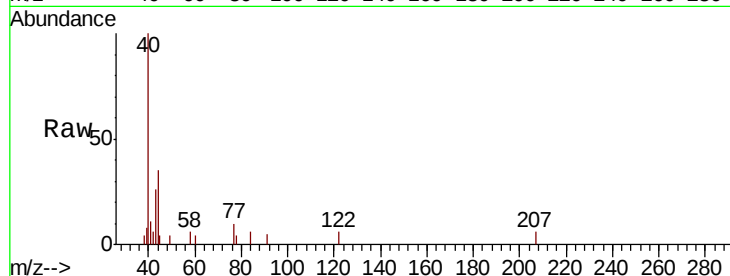




#32
Benzoic acid
Concen: 6.621 ng
RT: 9.82 min Scan# 1145
Delta R.T. -0.05 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

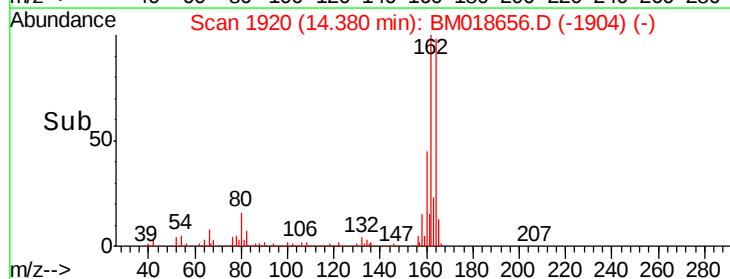
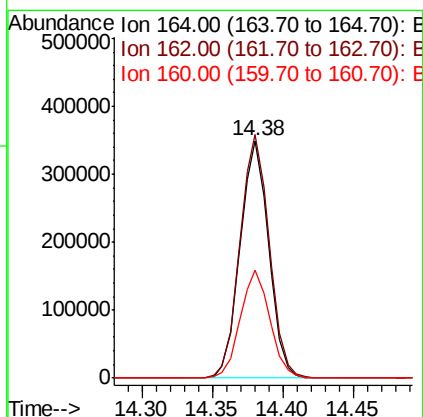
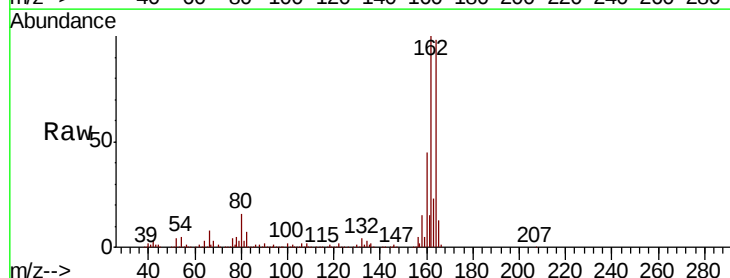
Instrument :
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WC-03-011519

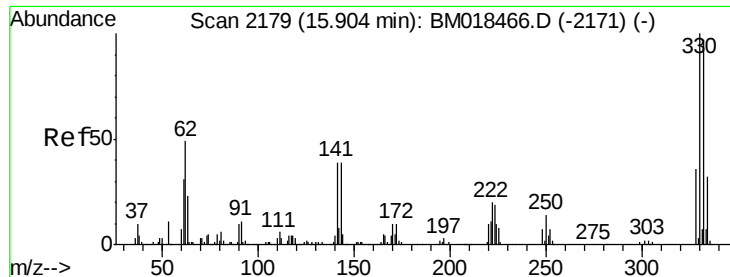
Tgt Ion:122 Resp: 1019
Ion Ratio Lower Upper
122 100
105 0.0 100.4 140.4#
77 163.4 71.7 111.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Tgt Ion:164 Resp: 493557
Ion Ratio Lower Upper
164 100
162 102.6 83.0 124.4
160 45.7 37.1 55.7

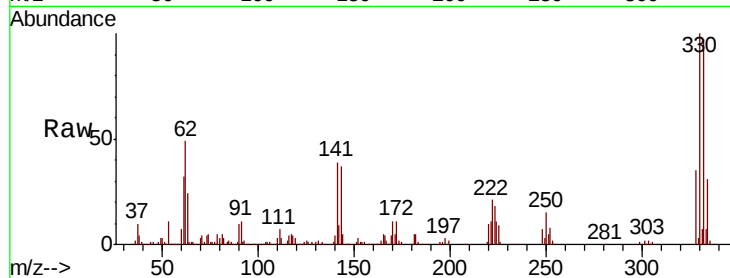




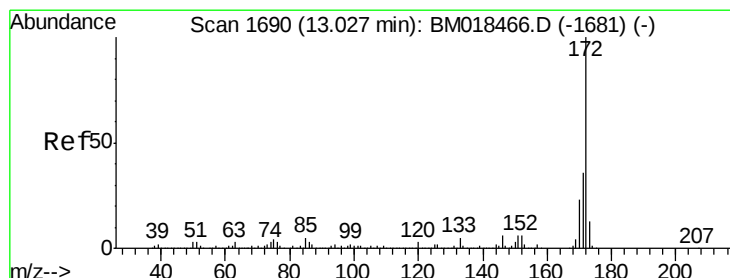
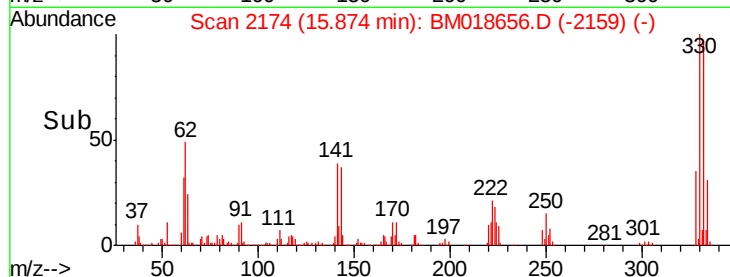
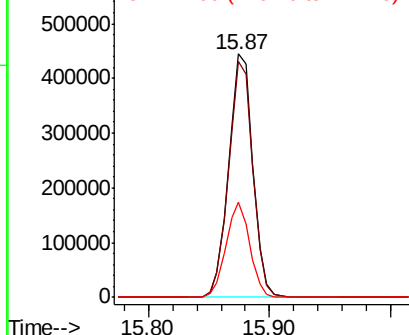
#42
 2,4,6-Tribromophenol
 Concen: 98.488 ng
 RT: 15.87 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

Instrument :
 BNA_M
 ClientSampleId :
 WC-03-011519

Tgt Ion:330 Resp: 618934
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.6 116.4
 141 38.6 31.7 47.5

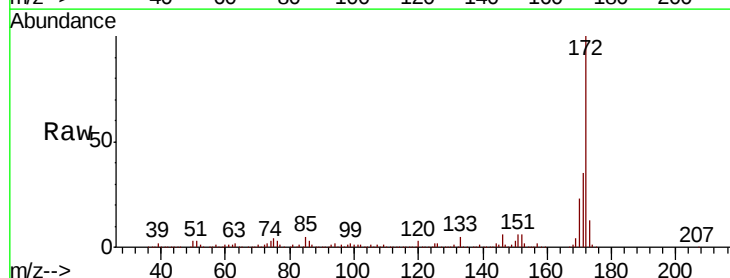


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

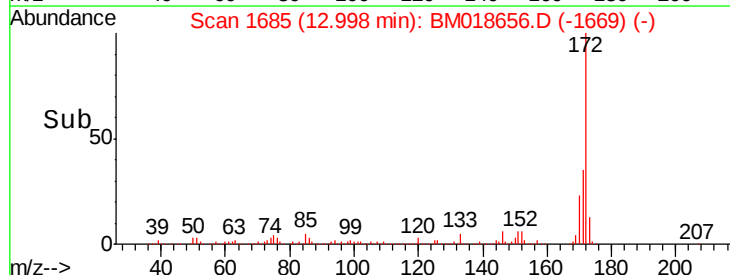
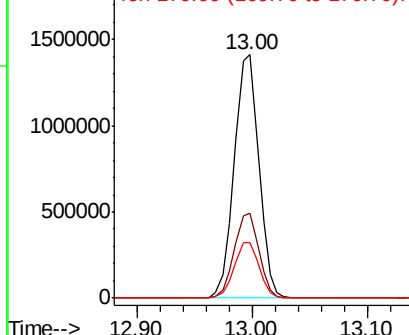


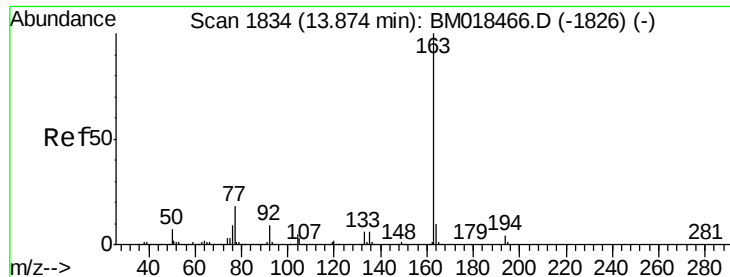
#45
 2-Fluorobiphenyl
 Concen: 55.254 ng
 RT: 13.00 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

Tgt Ion:172 Resp: 2089961
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.2 42.4
 170 22.9 18.9 28.3



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: 4.185 ng

RT: 13.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

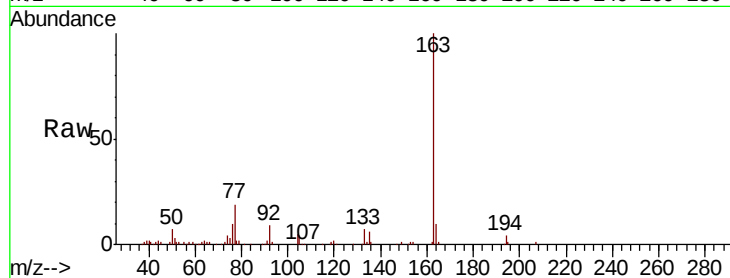
Tgt Ion:163 Resp: 169633

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

164 9.6 7.8 11.8

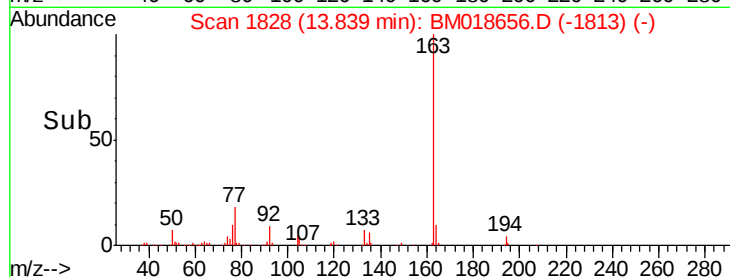


Abundance Ion 163.00 (162.70 to 163.70): E

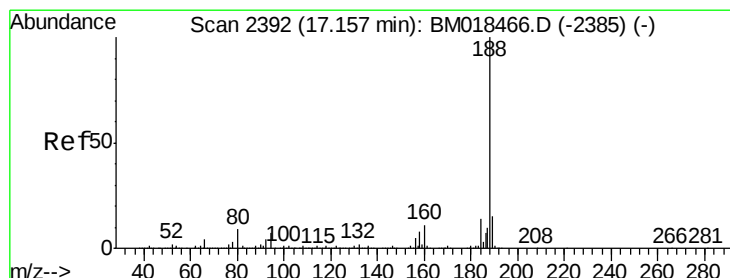
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

13.84



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.13 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

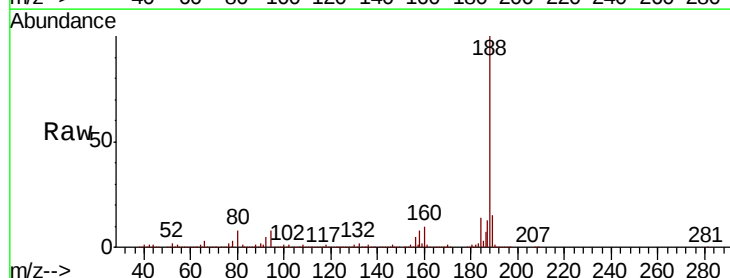
Tgt Ion:188 Resp: 1114244

Ion Ratio Lower Upper

188 100

94 7.6 7.1 10.7

80 8.2 7.6 11.4

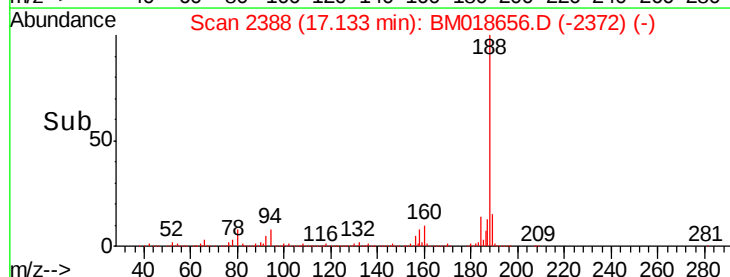


Abundance Ion 188.00 (187.70 to 188.70): E

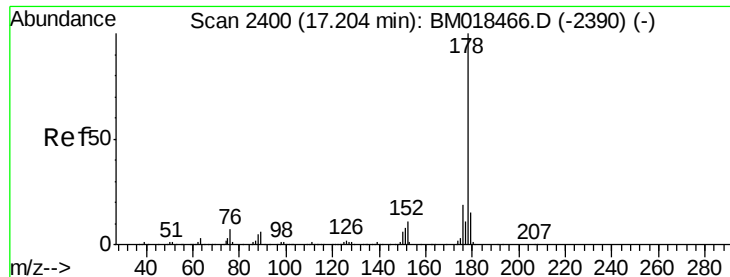
Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

17.13



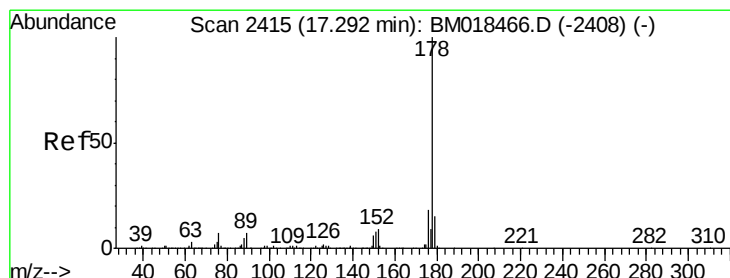
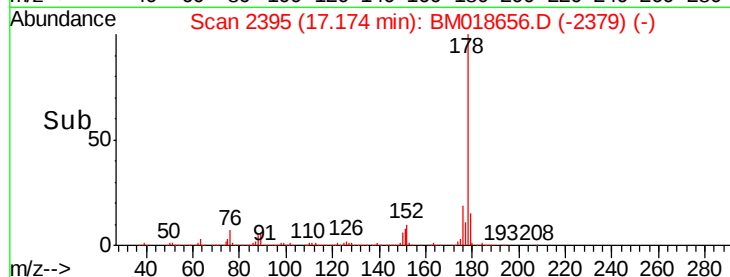
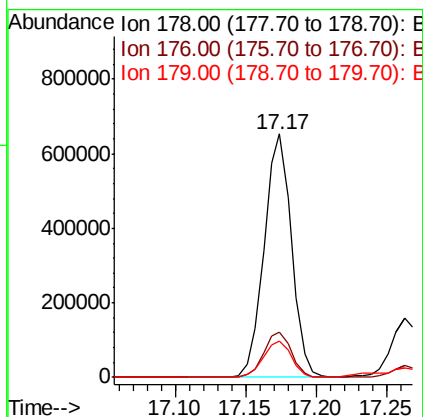
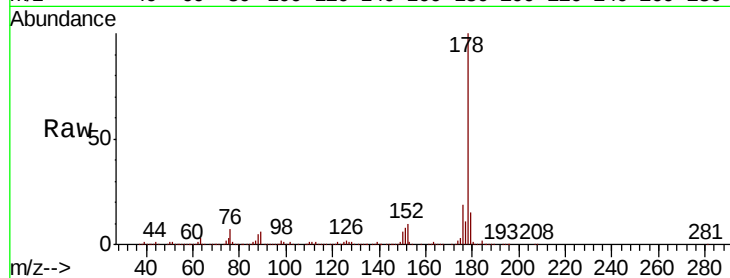
Time-->



#71
Phenanthrene
Concen: 15.032 ng
RT: 17.17 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

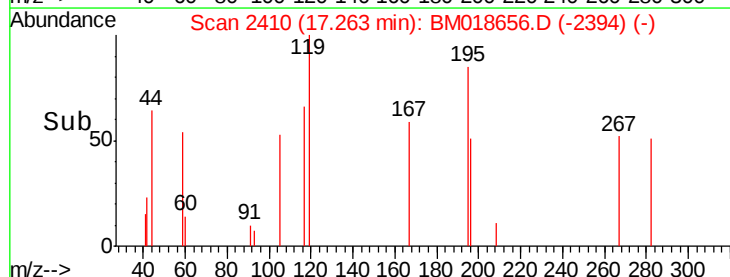
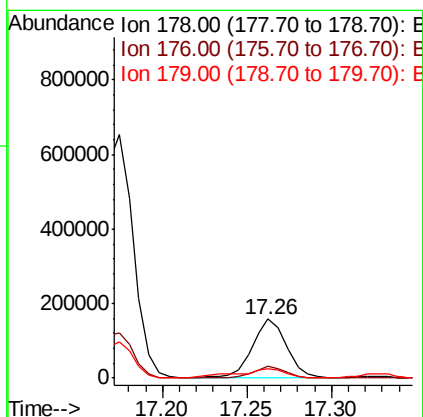
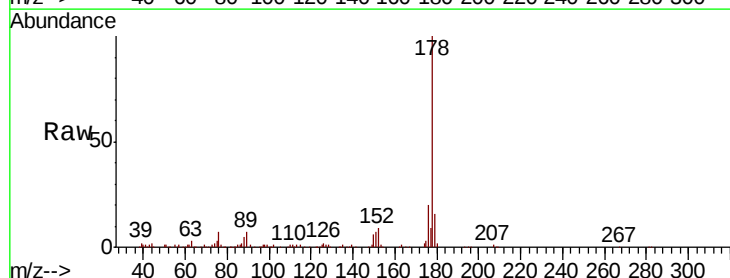
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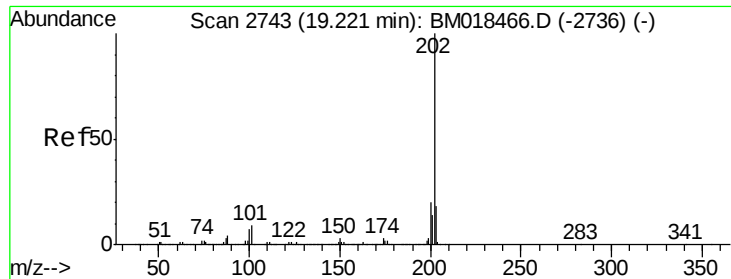
Tgt Ion:178 Resp: 890870
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 14.8 12.2 18.4



#72
Anthracene
Concen: 3.809 ng
RT: 17.26 min Scan# 2410
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Tgt Ion:178 Resp: 217070
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.9 12.2 18.4





#75

Fluoranthene

Concen: 14.201 ng

RT: 19.19 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

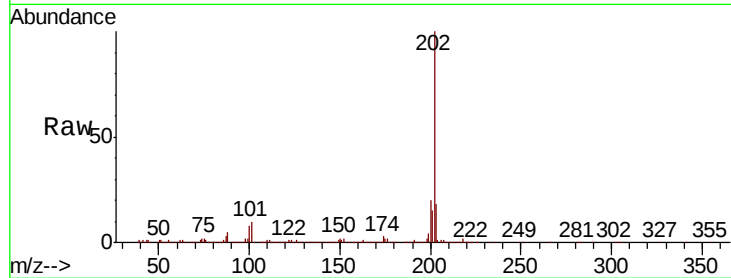
Tgt Ion: 202 Resp: 970370

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.9

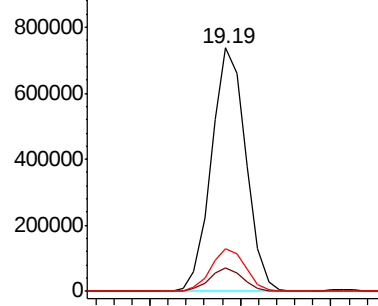
203 17.8 0.0 37.4



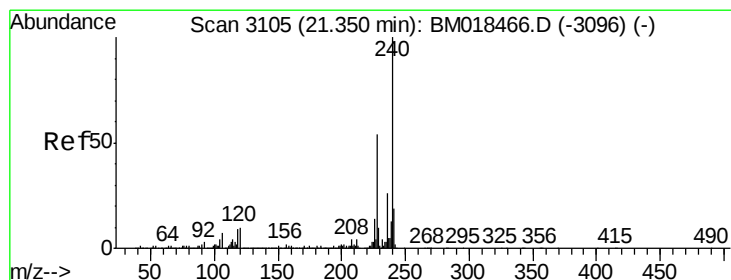
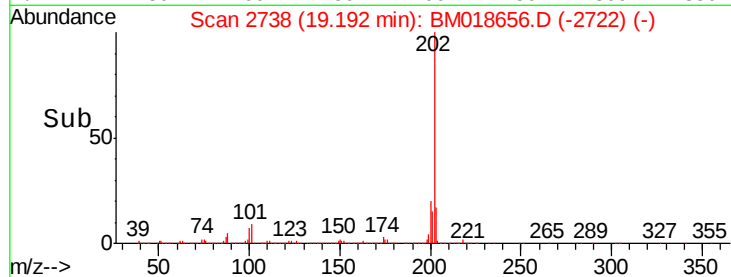
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.33 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

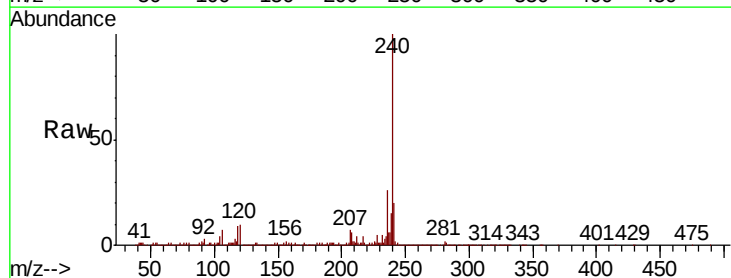
Tgt Ion: 240 Resp: 1197653

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

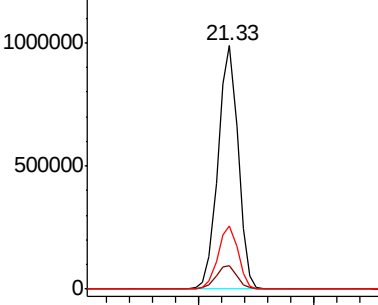
236 26.0 20.7 31.1



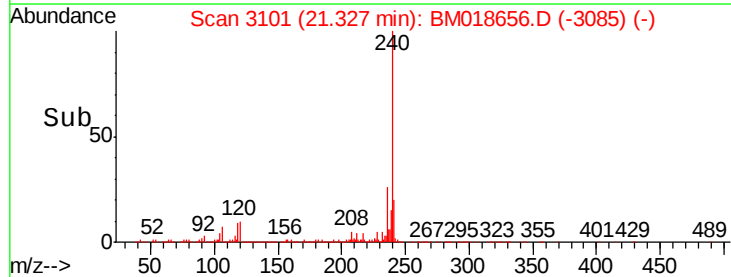
Abundance Ion 240.00 (239.70 to 240.70): E

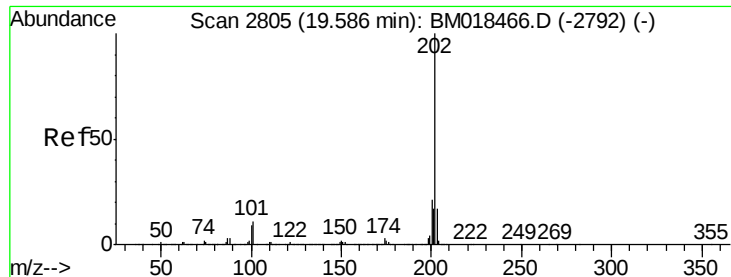
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

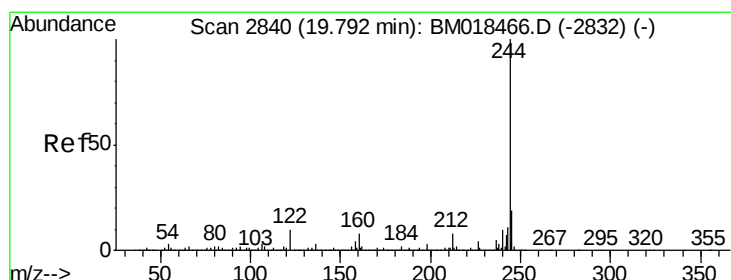
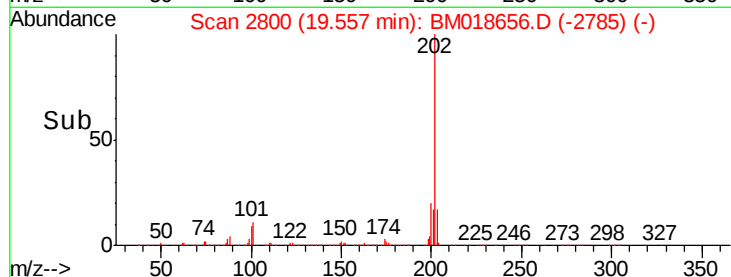
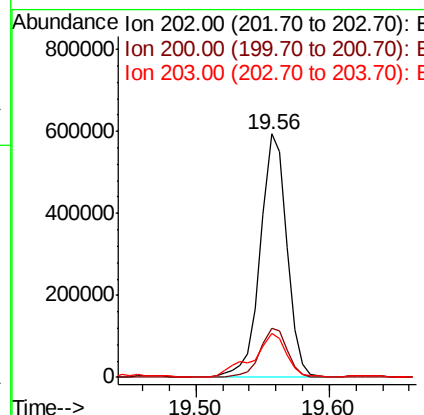
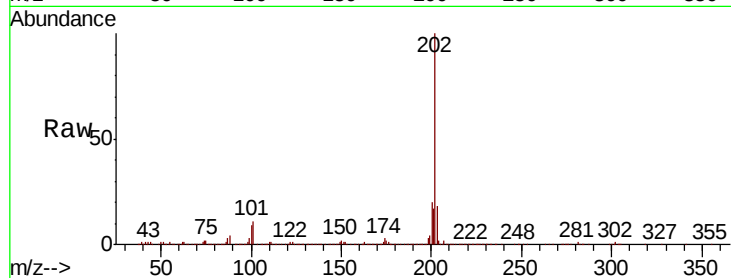




#78
 Pyrene
 Concen: 11.405 ng
 RT: 19.56 min Scan# 2800
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

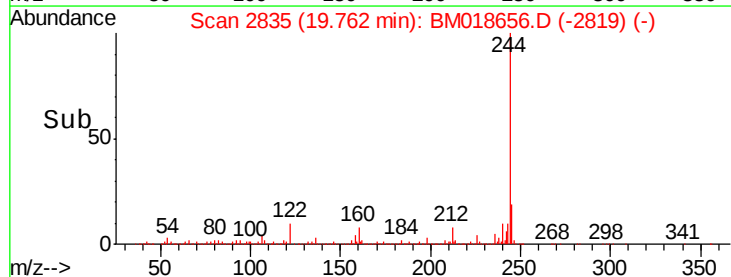
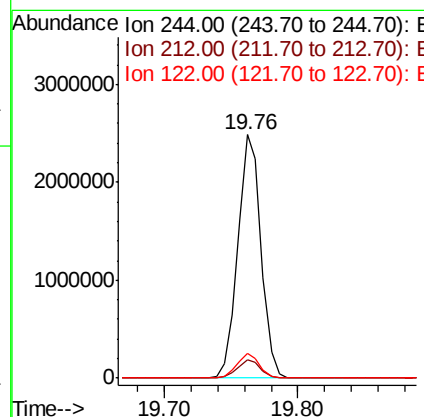
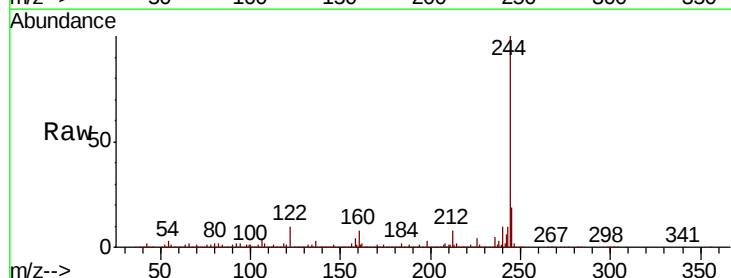
Instrument :
 BNA_M
 ClientSampleId :
 WC-03-011519

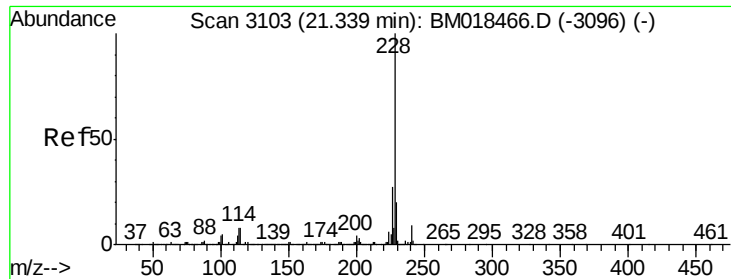
Tgt Ion:	202	Resp:	809639
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	24.8
203	18.0	13.8	20.8



#79
 Terphenyl-d14
 Concen: 52.933 ng
 RT: 19.76 min Scan# 2835
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

Tgt Ion:	244	Resp:	3007347
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.0	9.0	13.4





#81

Benzo(a)anthracene

Concen: 6.802 ng

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

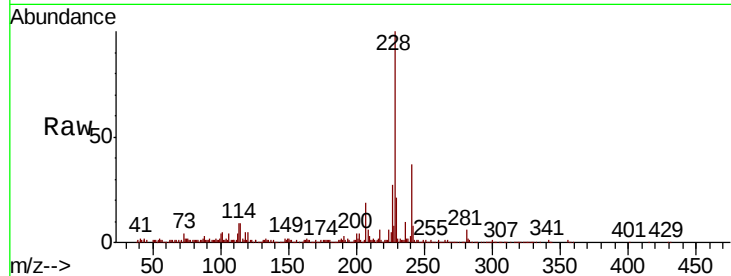
Tgt Ion:228 Resp: 479898

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.6

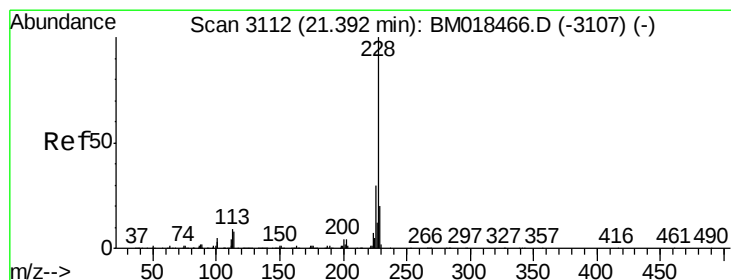
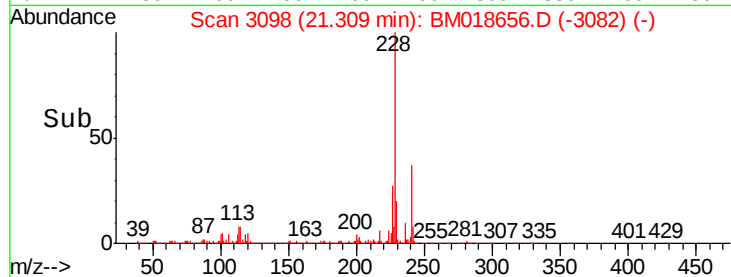
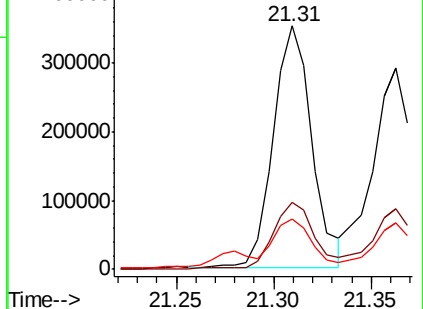
229 20.8 15.8 23.8



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: 6.031 ng

RT: 21.36 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

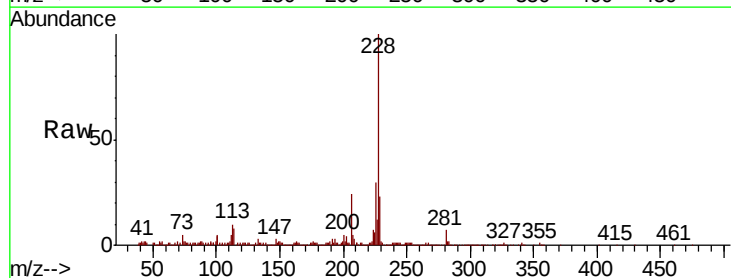
Tgt Ion:228 Resp: 410916

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

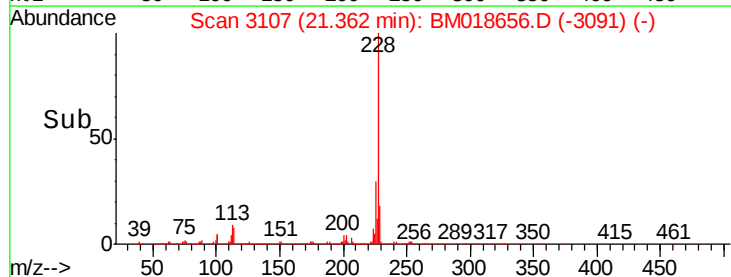
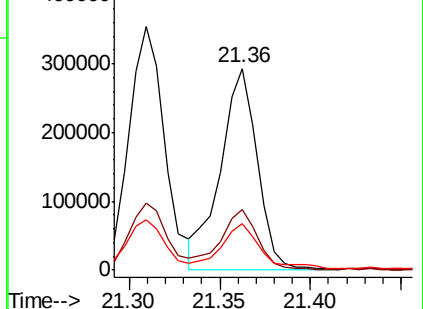
229 23.1 15.6 23.4

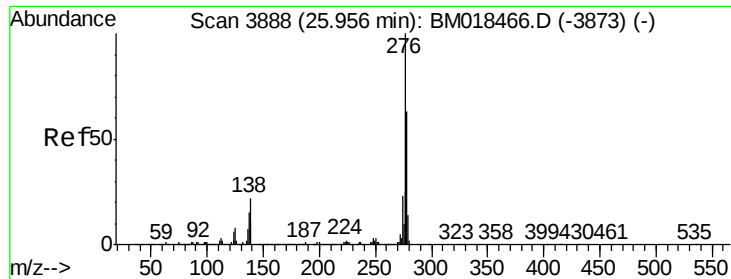


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.107 ng

RT: 25.89 min Scan# 3877

Delta R.T. -0.02 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

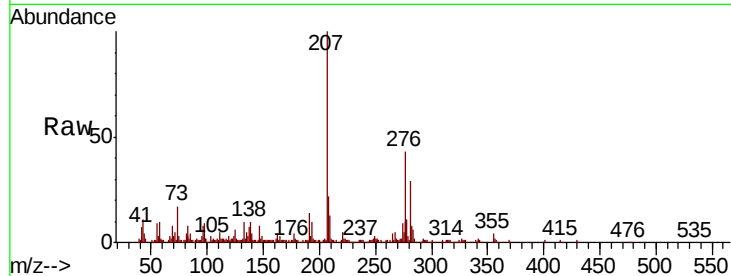
Tgt Ion:276 Resp: 165510

Ion Ratio Lower Upper

276 100

138 21.9 21.5 32.3

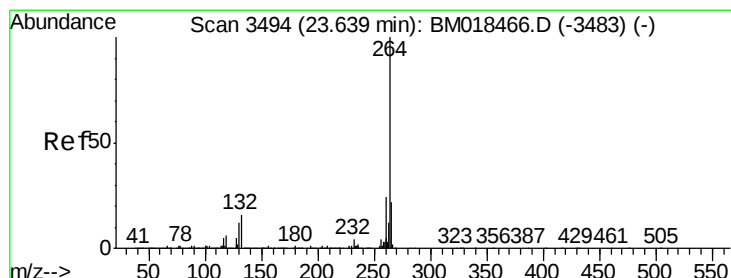
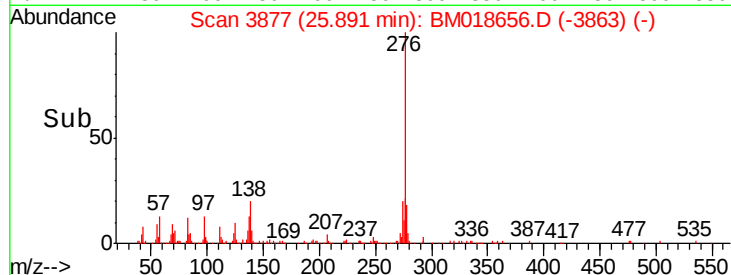
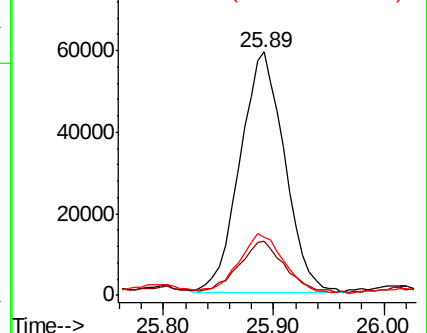
277 25.0 20.2 30.2



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: 23.60 min Scan# 3487

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

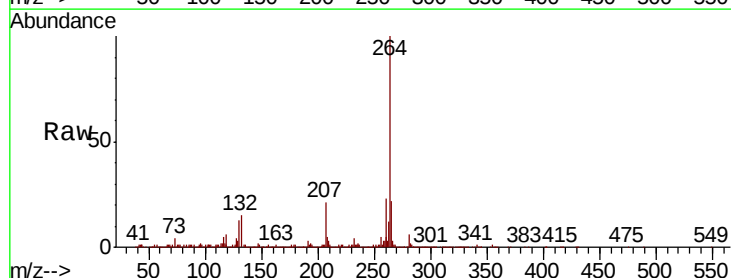
Tgt Ion:264 Resp: 1245764

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

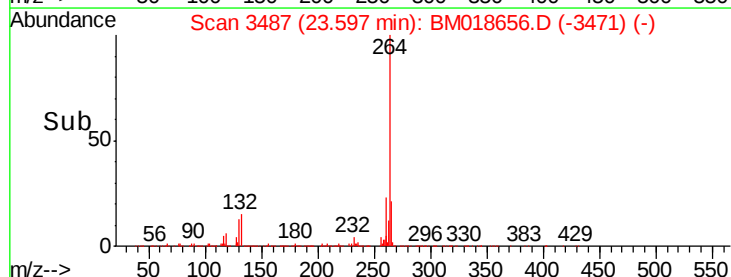
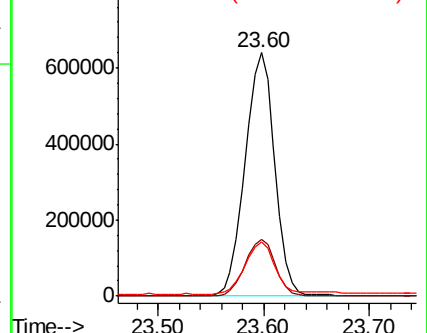
265 22.0 16.8 25.2

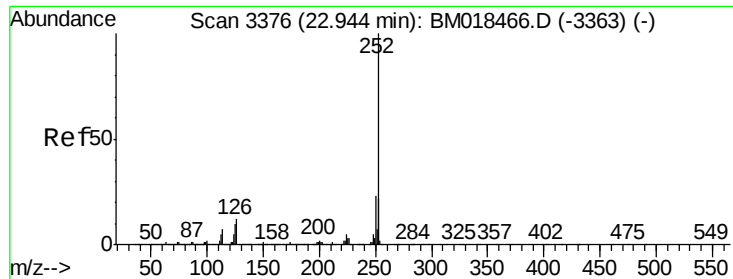


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

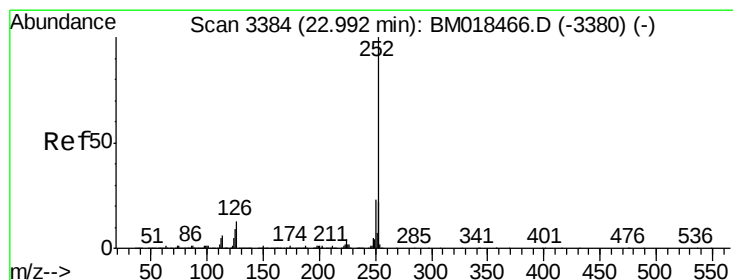
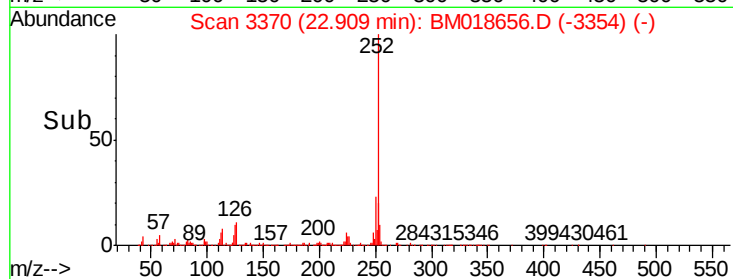
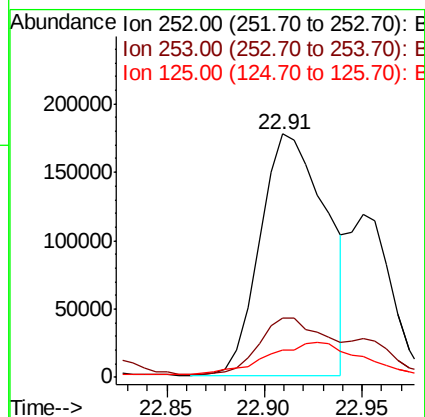
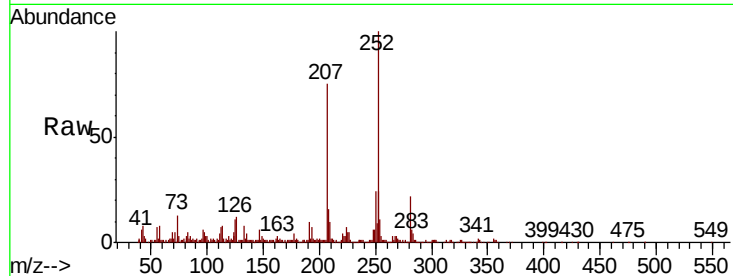




#88
Benzo(b)fluoranthene
Concen: 5.887 ng
RT: 22.91 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

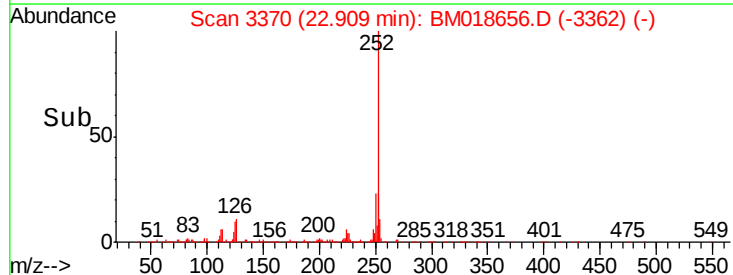
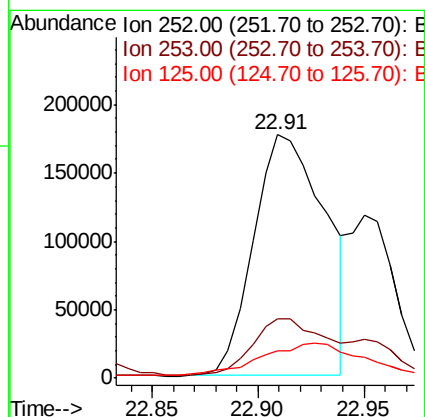
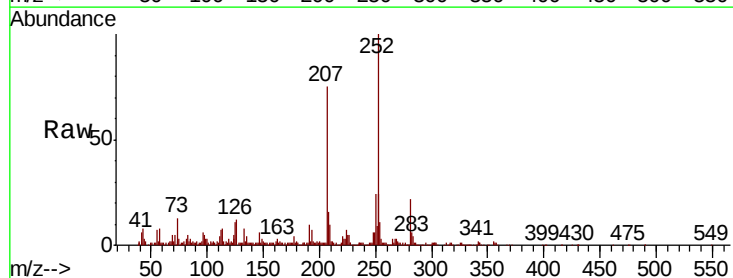
Instrument :
BNA_M
ClientSampleId :
WC-03-011519

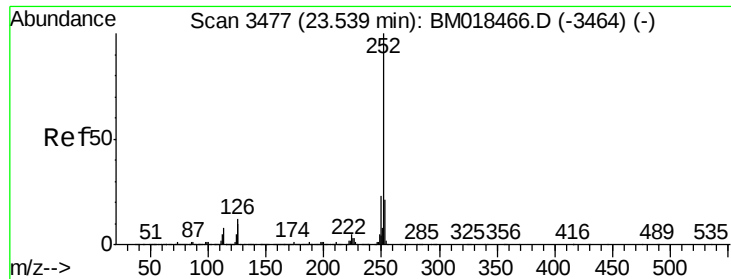
Tgt Ion:252 Resp: 416354
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 11.0 8.5 12.7



#89
Benzo(k)fluoranthene
Concen: 5.797 ng
RT: 22.91 min Scan# 3370
Delta R.T. -0.05 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Tgt Ion:252 Resp: 413208
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.0 8.6 12.8





#90

Benzo(a)pyrene

Concen: 4.554 ng

RT: 23.49 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

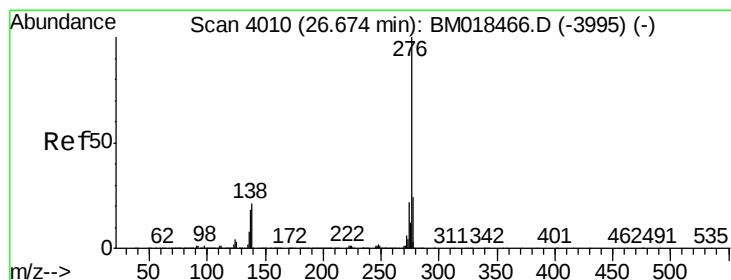
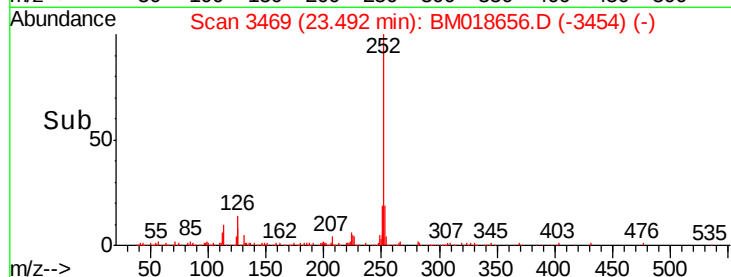
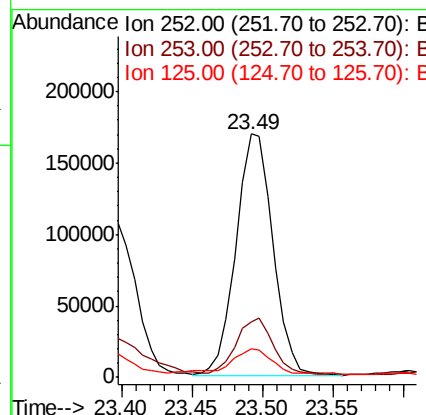
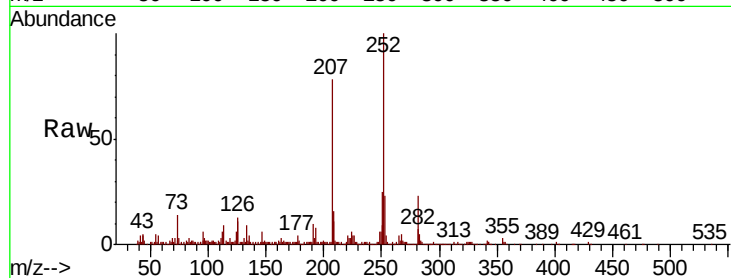
Instrument :

BNA_M

ClientSampleId :

WC-03-011519

Tgt Ion:	252	Resp:	308375
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	11.5	9.7	14.5



#92

Benzo(g,h,i)perylene

Concen: 2.180 ng

RT: 26.60 min Scan# 3998

Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

Tgt Ion:	276	Resp:	145529
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	19.8	18.1	27.1

