

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

Manual Integrations
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mohammad
 1/29/2019 12:29:41 AM

Quant Time: Jan 28 02:43:41 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						
10) Phenol	6.93	94	77259	4.891	ng	94
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	22.95	252	171601m	2.408	ng	
90) Benzo(a)pyrene	23.49	252	308375	4.554	ng	98
92) Benzo(a,h,i)perylene	26.60	276	145529	2.180	ng	97

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

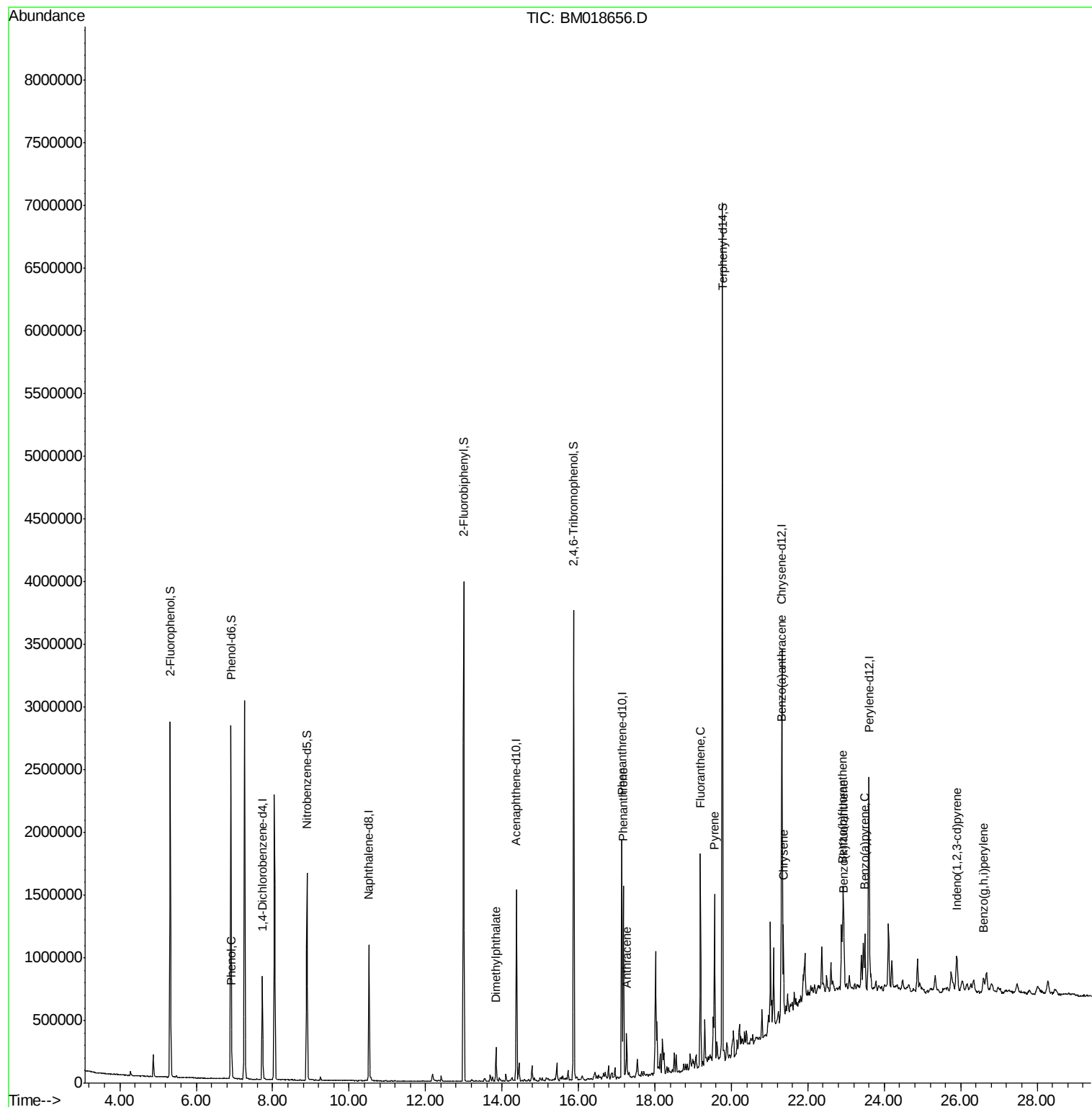
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012519\
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ALS Vial : 8 Sample Multiplier: 1

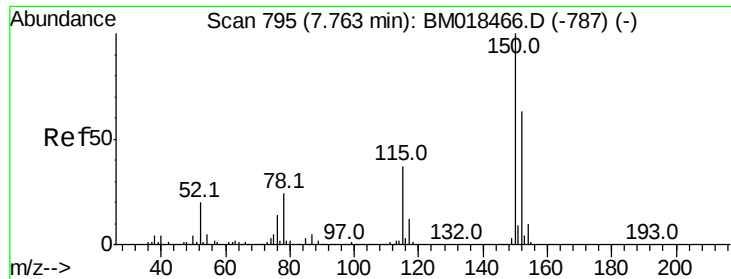
Instrument :
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#1

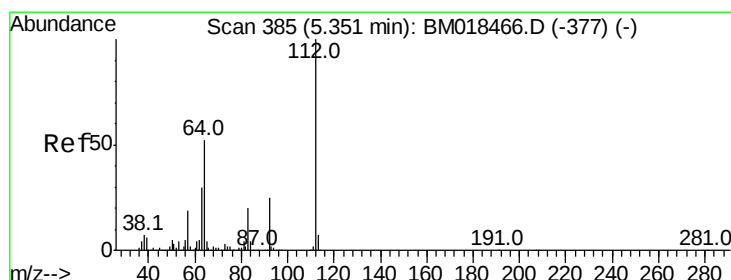
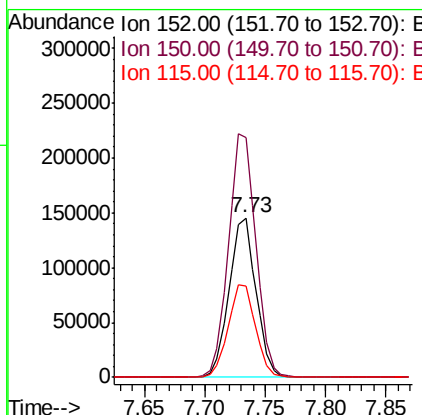
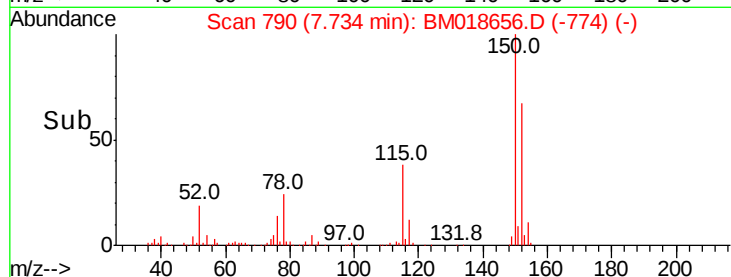
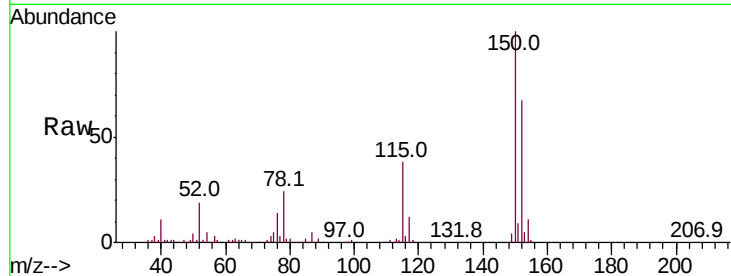
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

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

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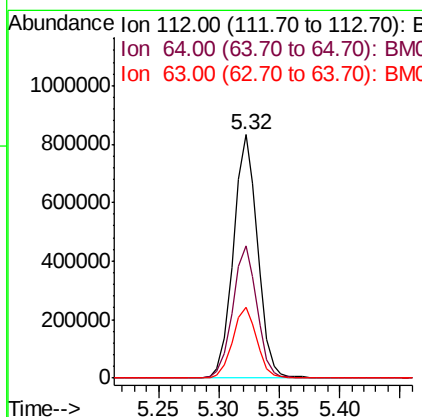
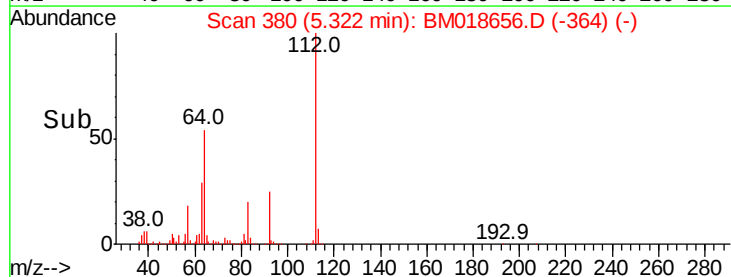
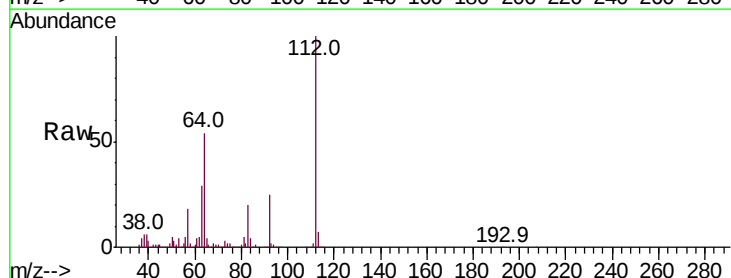
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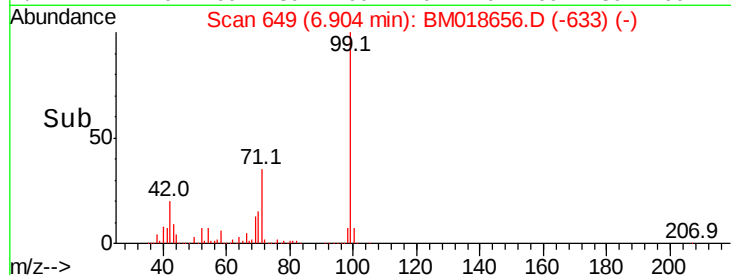
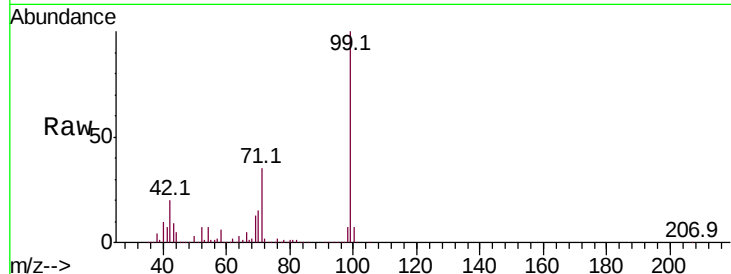
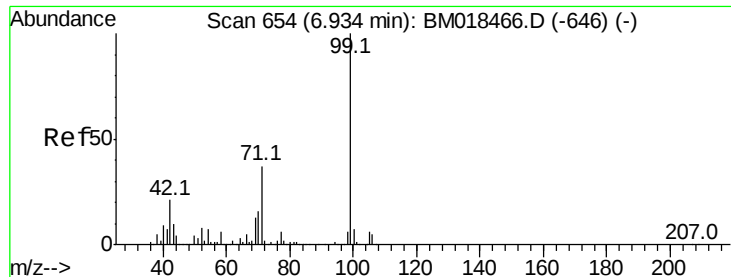


#5

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





#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

Tot Ion:	99	Resp:	1504757
Ion	Ratio	Lower	Upper
99	100		
42	19.7	17.3	25.9
71	35.4	28.0	42.0

Instrument :

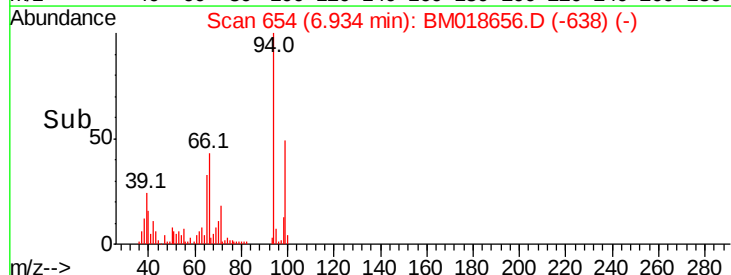
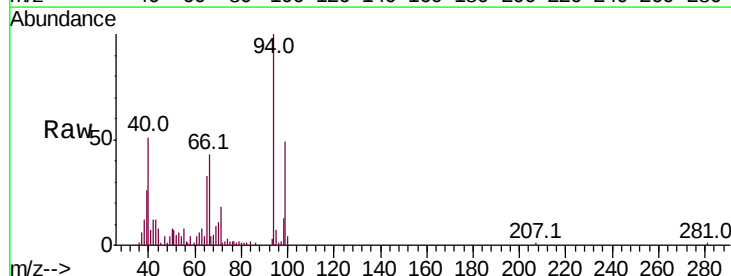
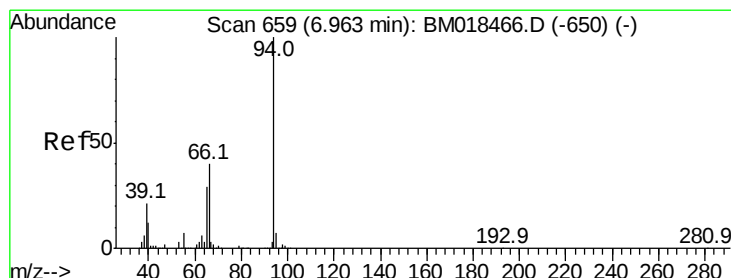
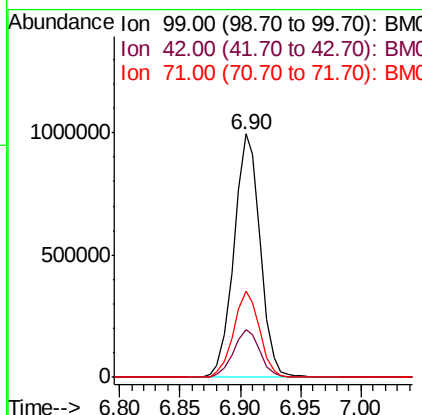
BNA_M

ClientSampled :

WC-03-011519

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#10

Phenol

Concen: 4.891 ng

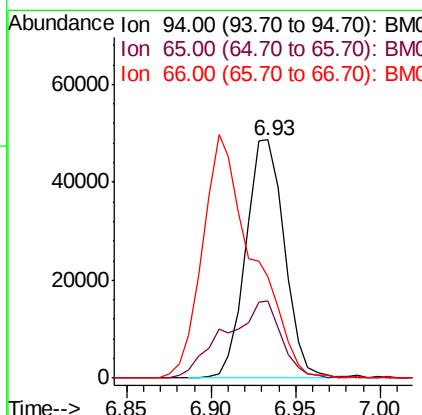
RT: 6.93 min Scan# 654

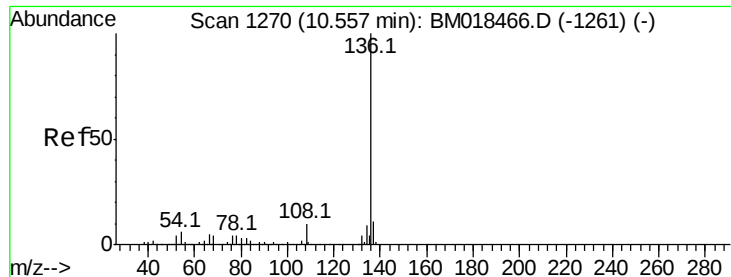
Delta R.T. -0.01 min

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





#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

Instrument :

BNA_M

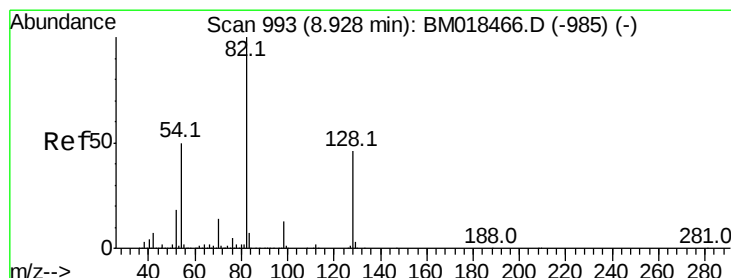
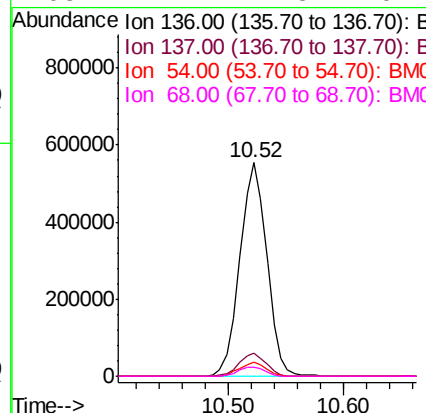
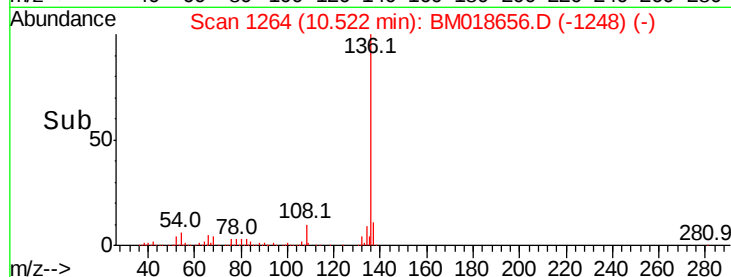
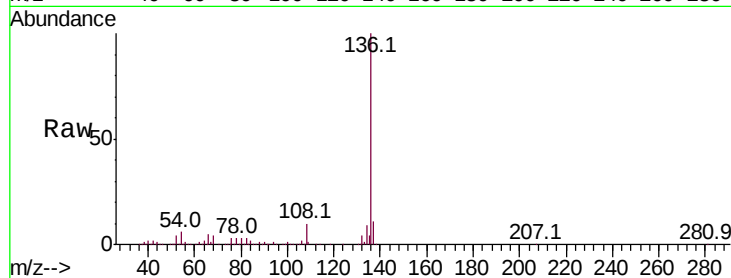
ClientSampleId :

WC-03-011519

Tot 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#

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#23

Nitrobenzene-d5

Concen: 59.315 ng

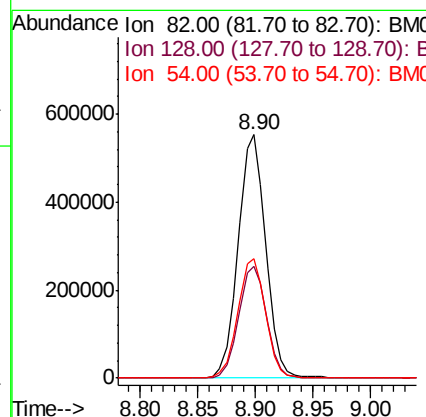
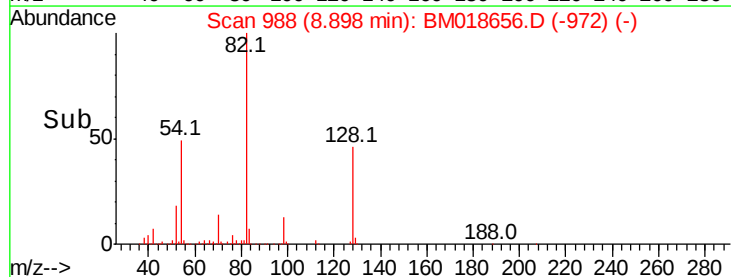
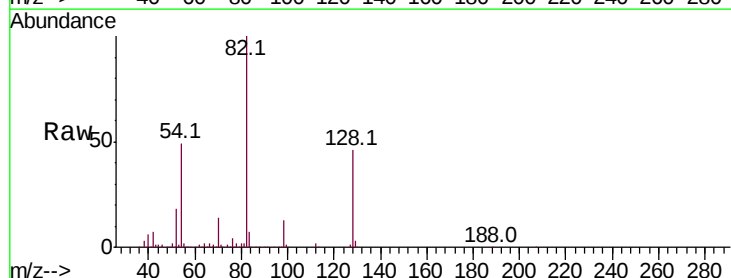
RT: 8.90 min Scan# 988

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





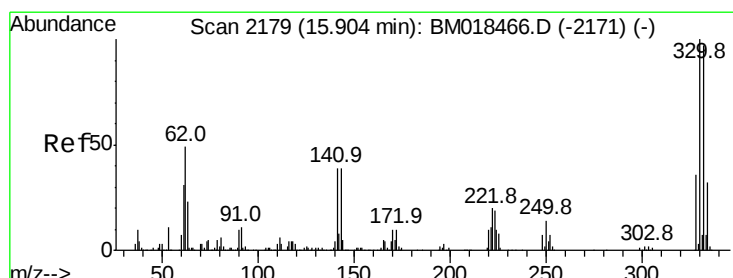
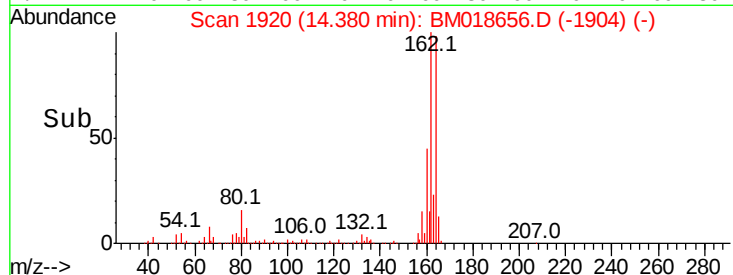
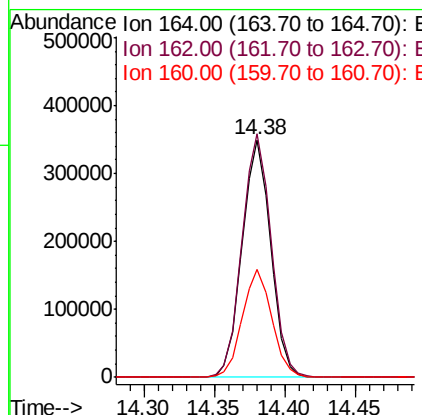
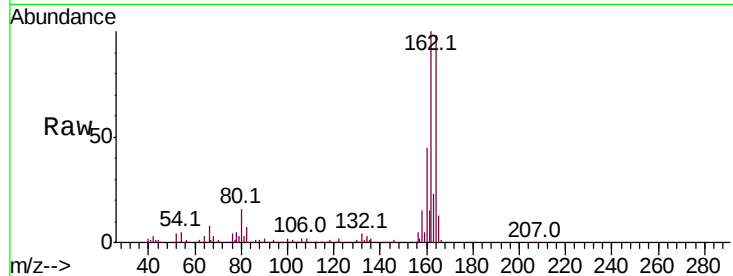
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	83.0	124.4	
160	45.7	37.1	55.7	

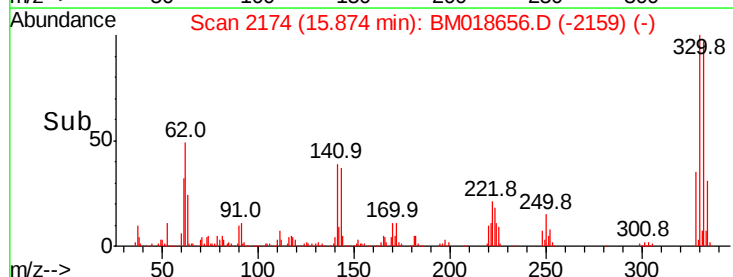
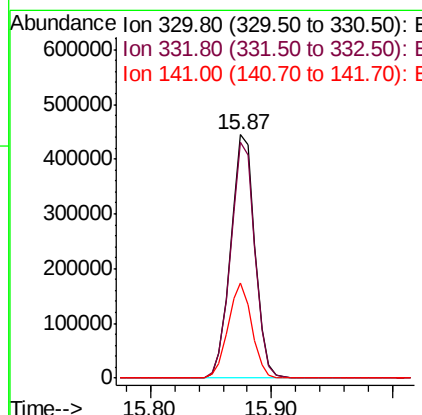
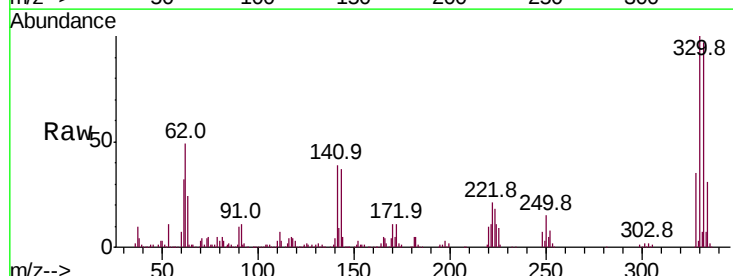
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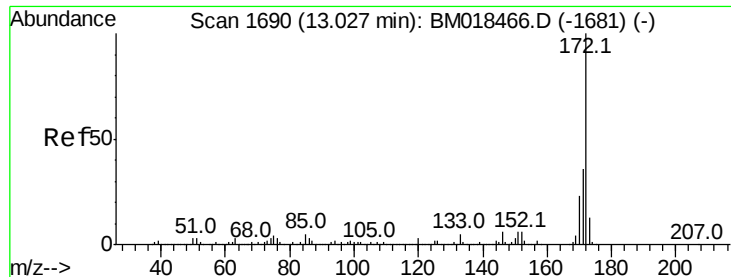
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#42
2,4,6-Tribromophenol
Concen: 98.488 ng
RT: 15.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

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





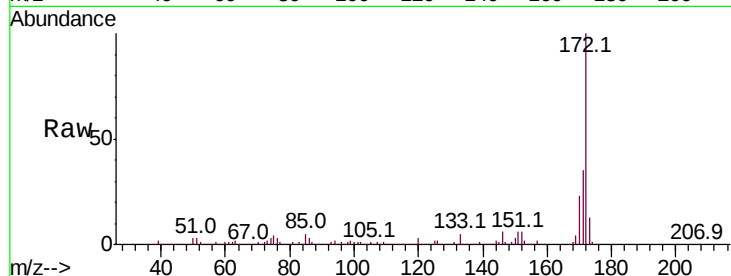
#45
2-Fluorobiphenyl
Concen: 55.254 ng
RT: 13.00 min Scan# 1685
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	22.9	18.9	28.3

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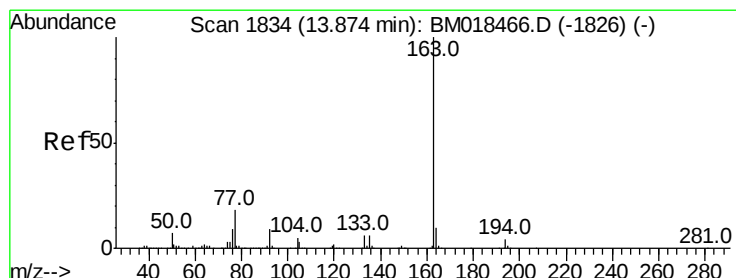
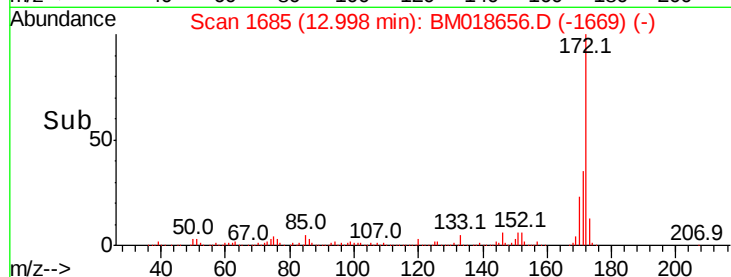
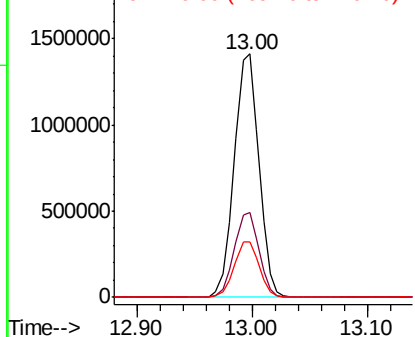


Abundance

Ion 172.00 (171.70 to 172.70): E

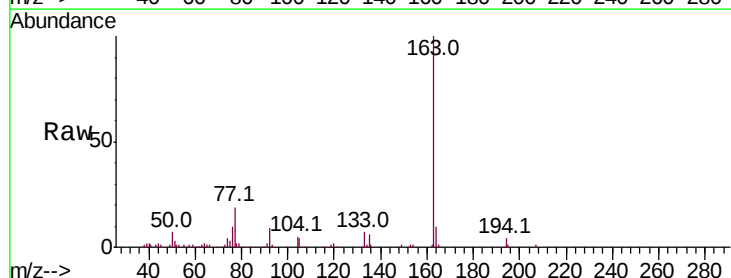
Ion 171.00 (170.70 to 171.70): E

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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	9.6	7.8	11.8

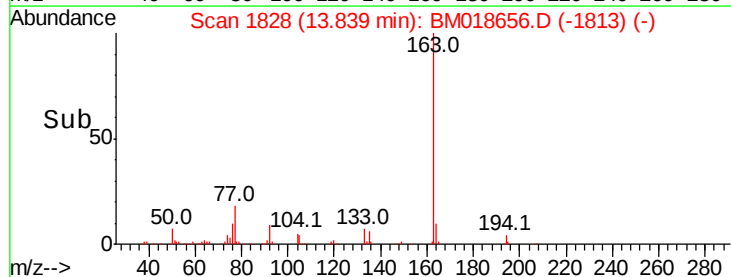
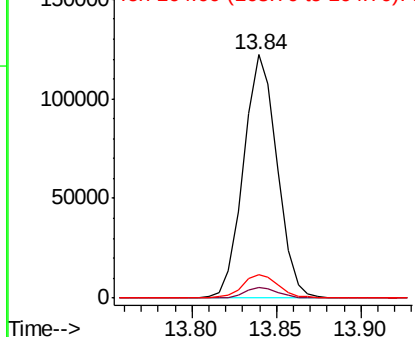


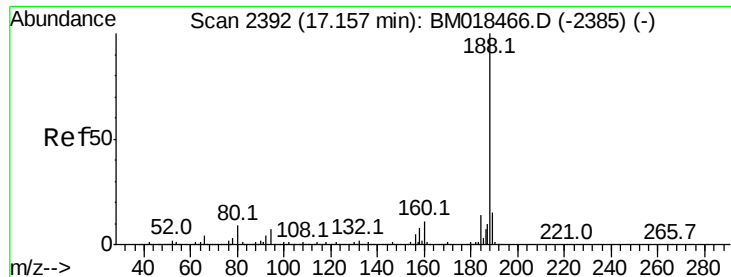
Abundance

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





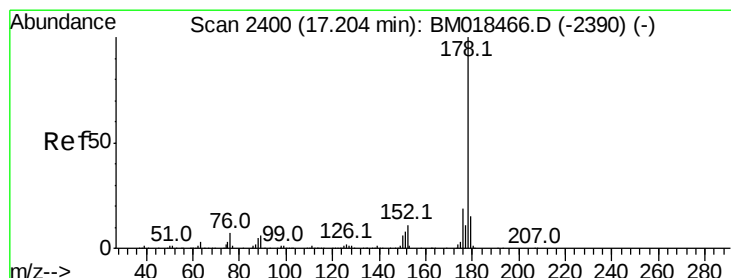
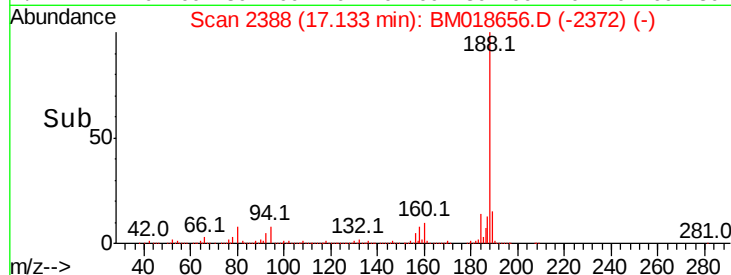
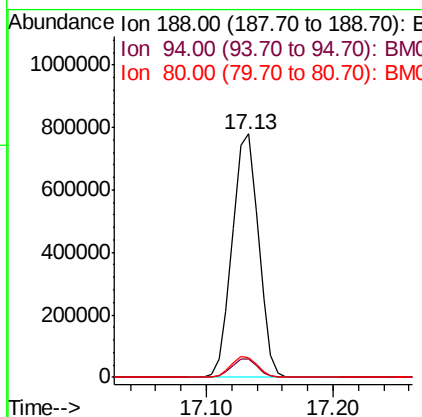
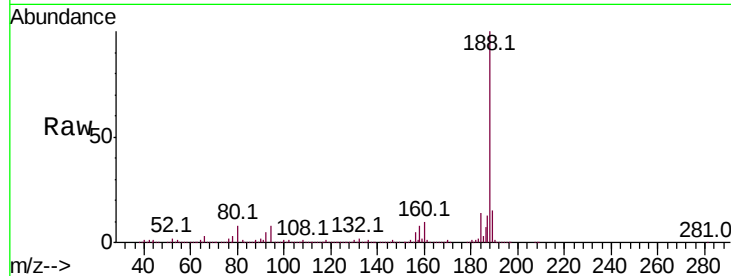
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.13 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion:188 Resp: 1114244
Ion Ratio Lower Upper
188 100
94 7.6 7.1 10.7
80 8.2 7.6 11.4

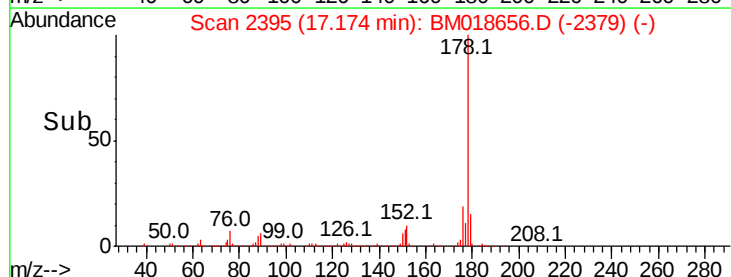
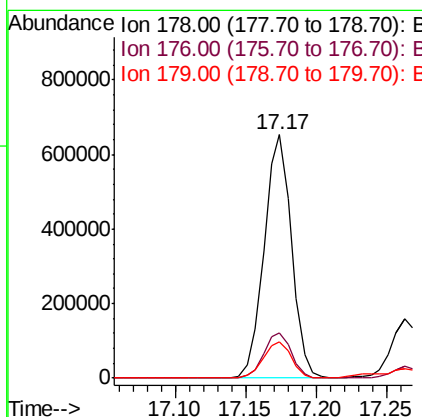
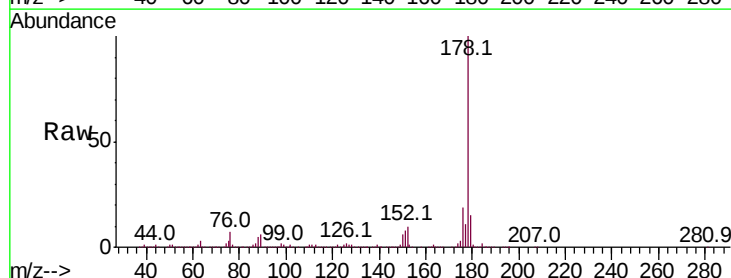
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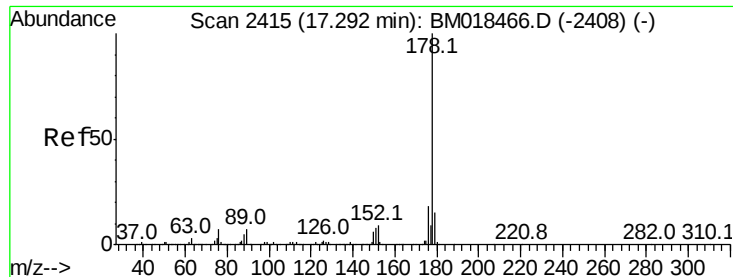
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#71
Phenanthrene
Concen: 15.032 ng
RT: 17.17 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

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

Instrument :

BNA_M

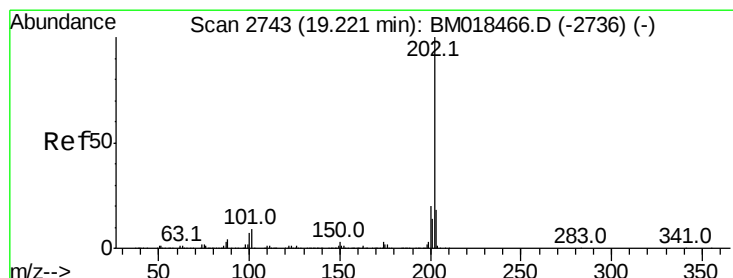
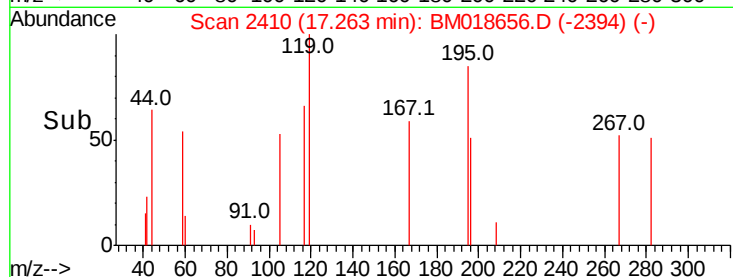
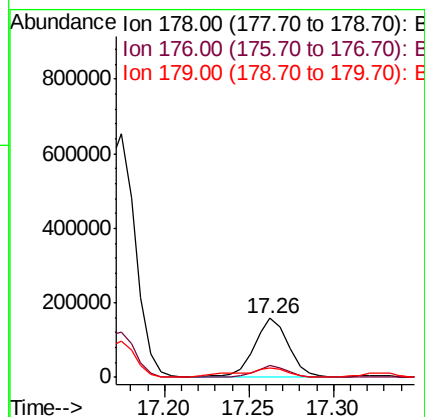
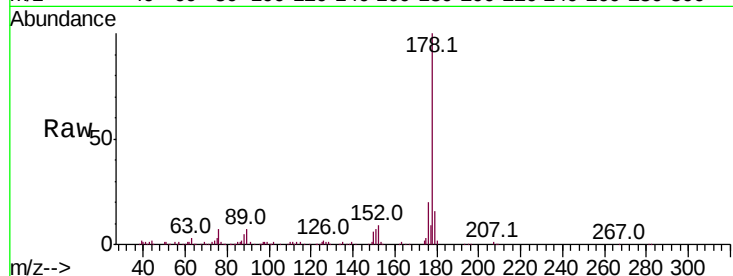
ClientSampleId :

WC-03-011519

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

Manual Integrations
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#75

Fluoranthene

Concen: 14.201 ng

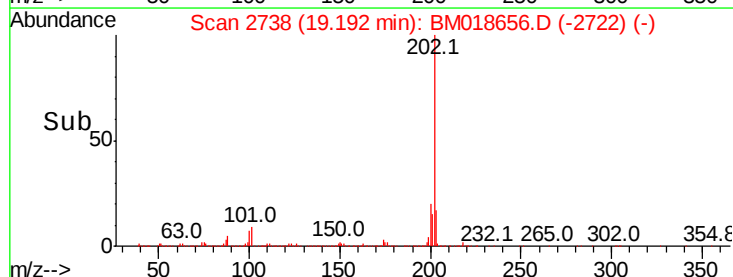
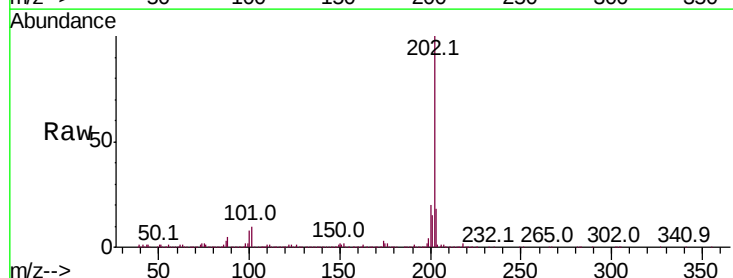
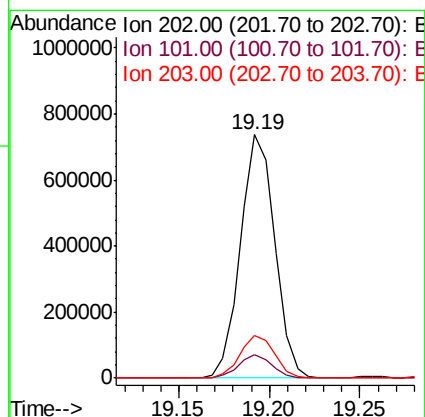
RT: 19.19 min Scan# 2738

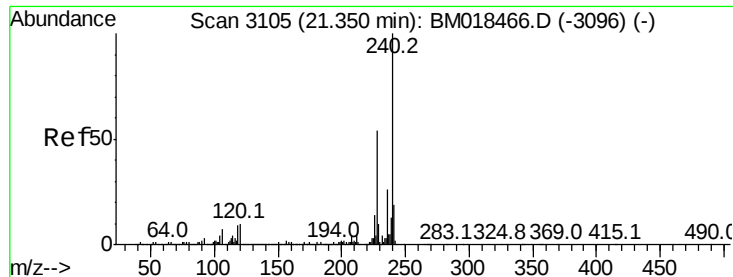
Delta R.T. -0.01 min

Lab File: BM018656.D

Acq: 25 Jan 2019 17:20

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





#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

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

Tot Ion:240 Resp: 1197653

Ion Ratio Lower Upper

240 100

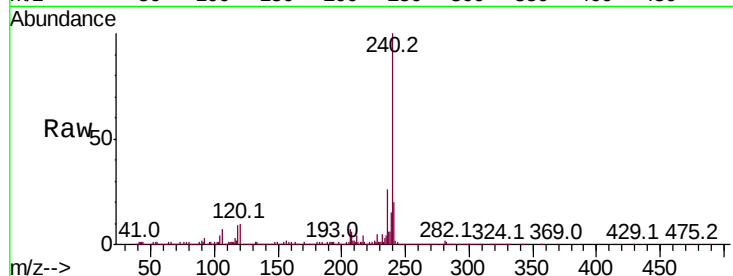
120 9.8 8.4 12.6

236 26.0 20.7 31.1

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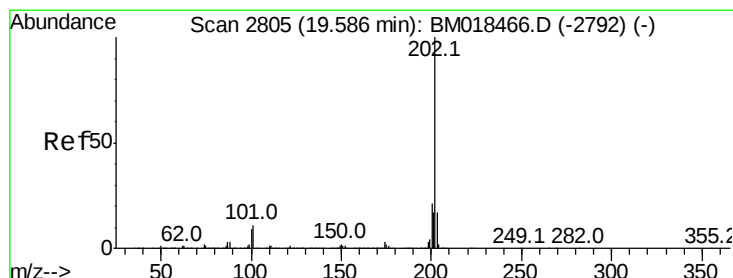
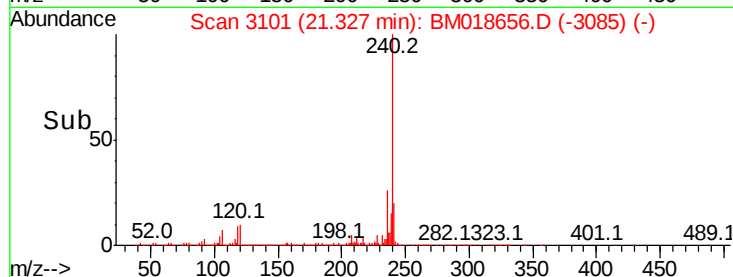
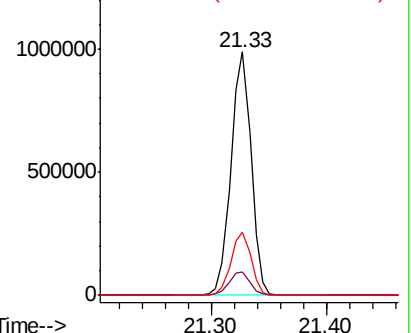
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 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

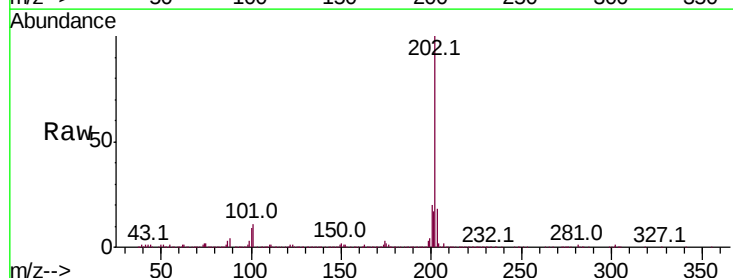
Tgt Ion:202 Resp: 809639

Ion Ratio Lower Upper

202 100

200 20.3 16.6 24.8

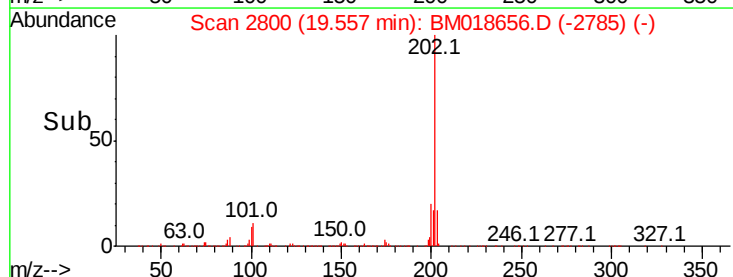
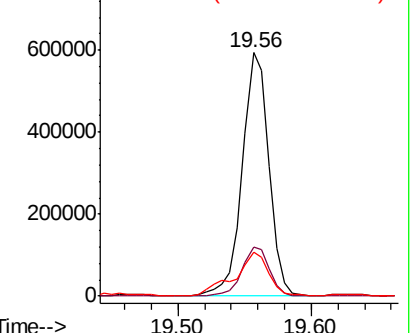
203 18.0 13.8 20.8

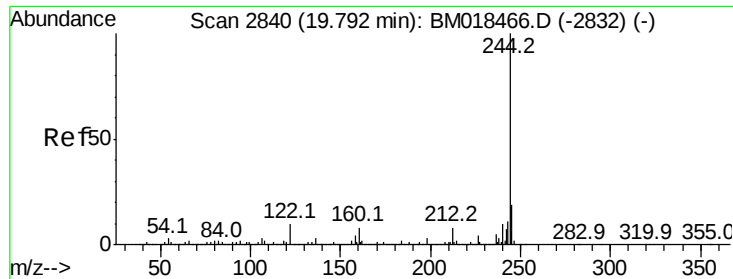


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





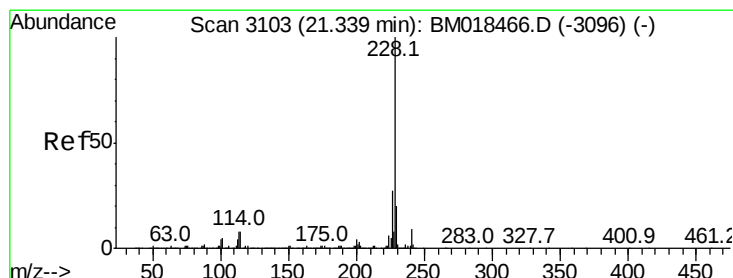
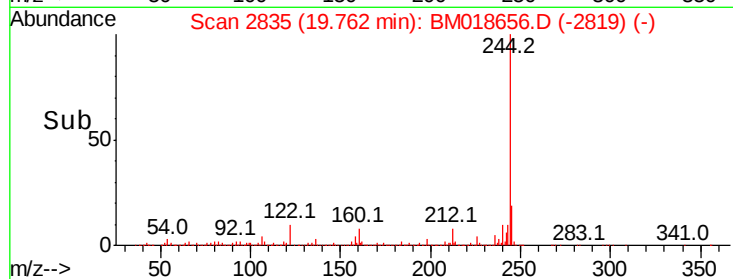
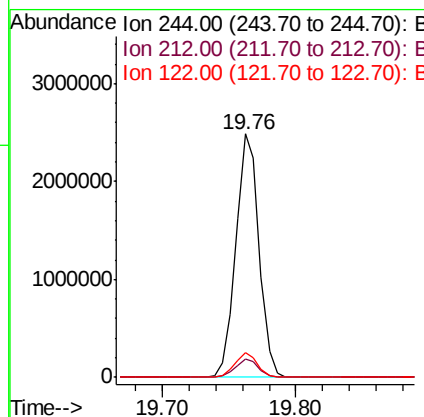
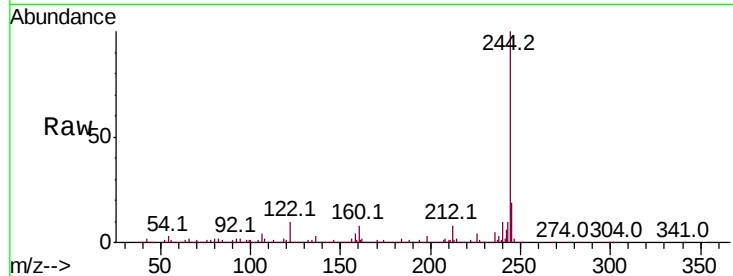
#79
 Terphenyl-d14
 Concen: 52.933 ng
 RT: 19.76 min Scan# 2835
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

Instrument :
 BNA_M
 ClientSampleId :
 WC-03-011519

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

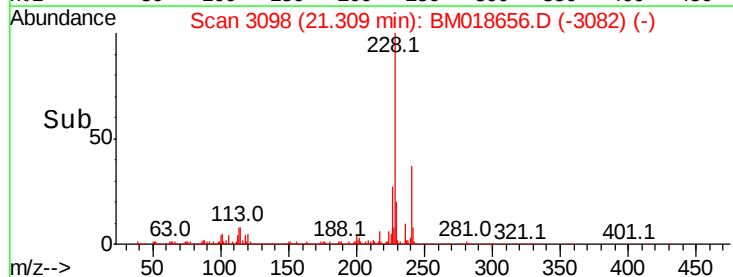
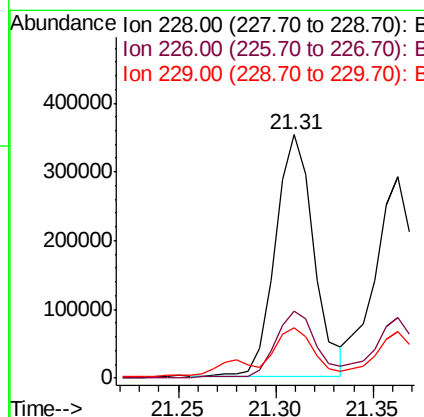
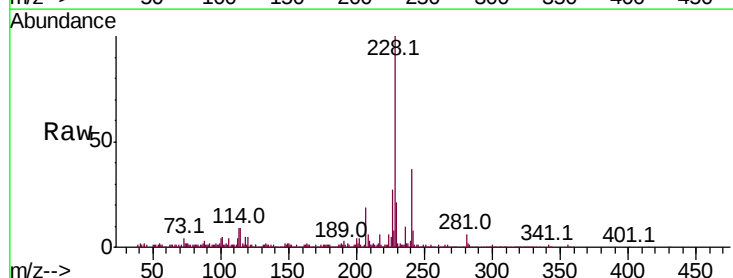
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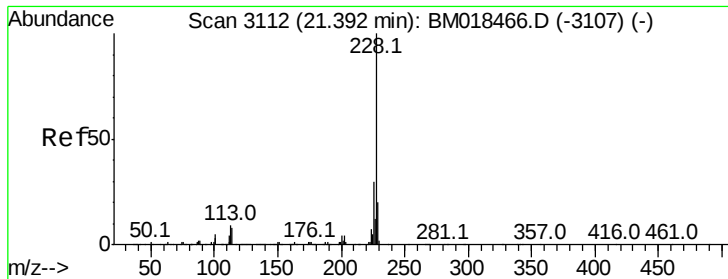
mohammad
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#81
 Benzo(a)anthracene
 Concen: 6.802 ng
 RT: 21.31 min Scan# 3098
 Delta R.T. -0.01 min
 Lab File: BM018656.D
 Acq: 25 Jan 2019 17:20

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





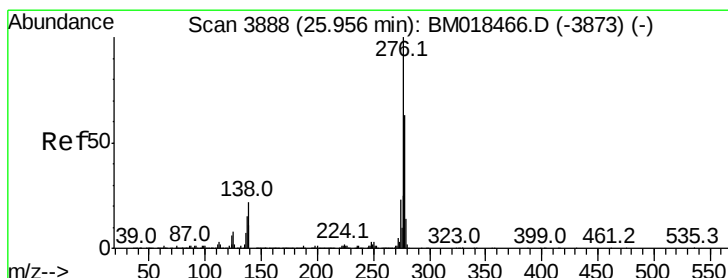
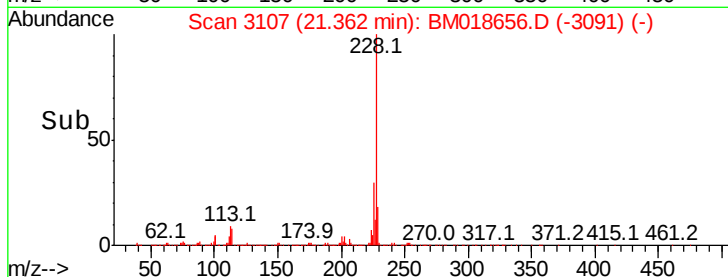
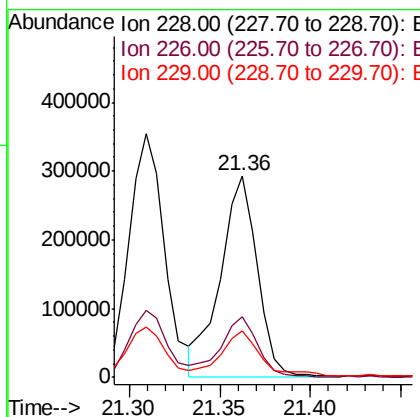
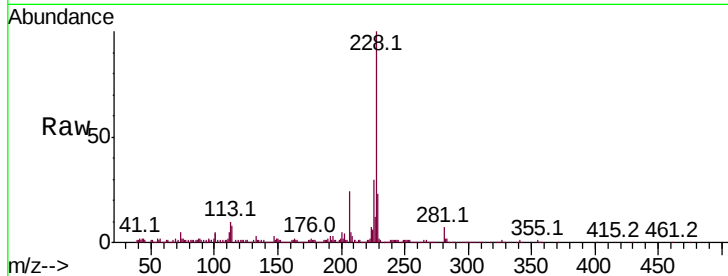
#83
Chrysene
Concen: 6.031 ng
RT: 21.36 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion:	228	Resp:	410916
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.2	36.2
229	23.1	15.6	23.4

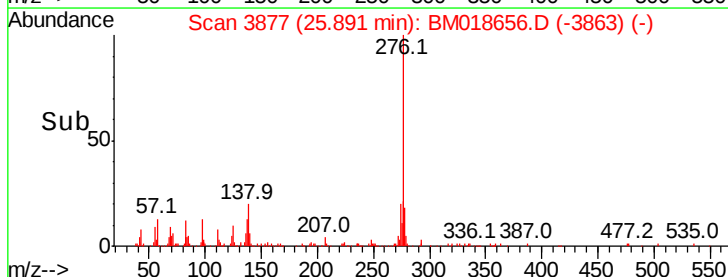
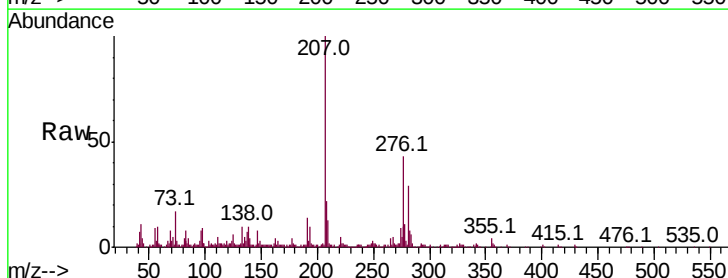
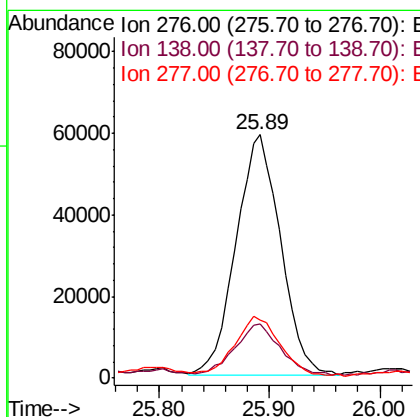
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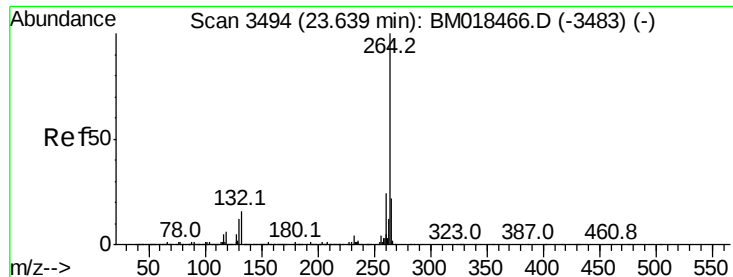
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.107 ng
RT: 25.89 min Scan# 3877
Delta R.T. -0.02 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

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





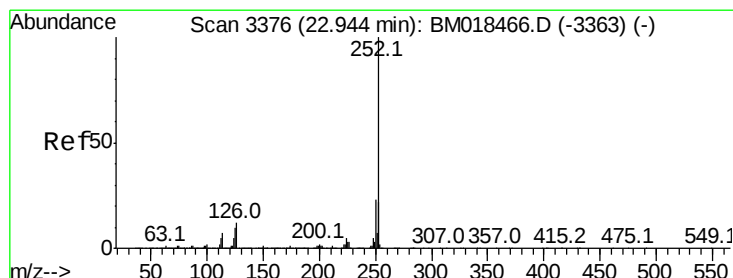
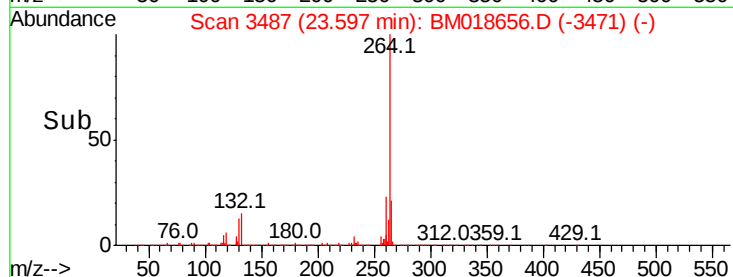
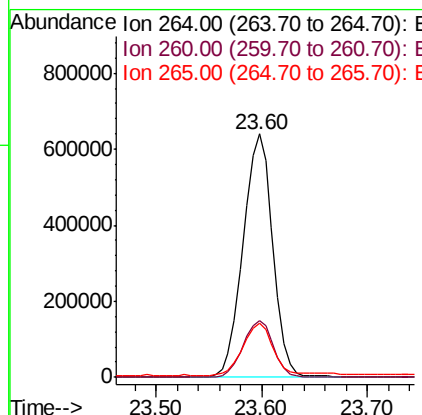
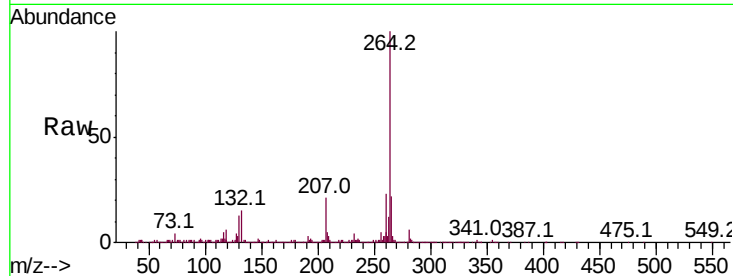
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.60 min Scan# 3487
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.0	16.8	25.2

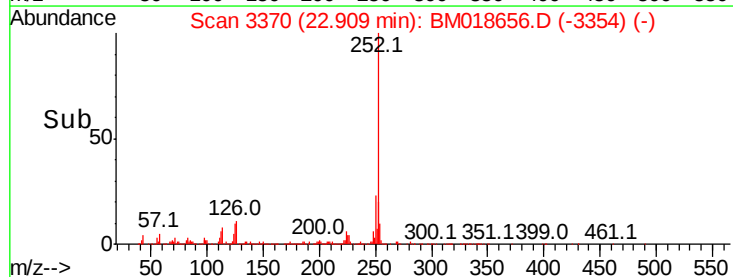
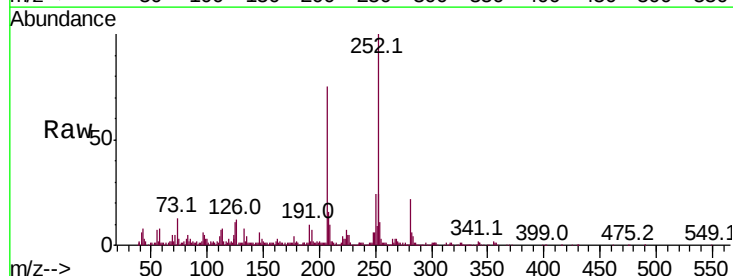
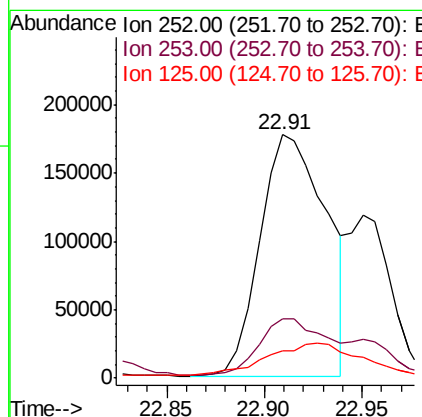
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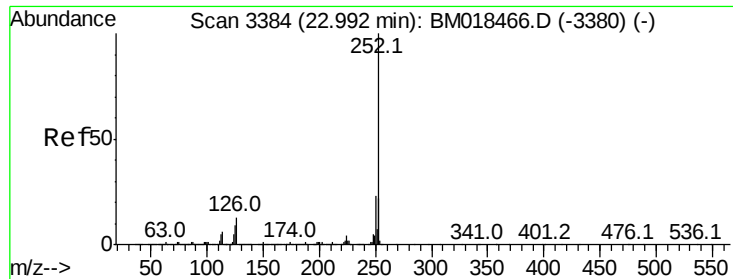
mohammad
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#88
Benzo(b)fluoranthene
Concen: 5.887 ng
RT: 22.91 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

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





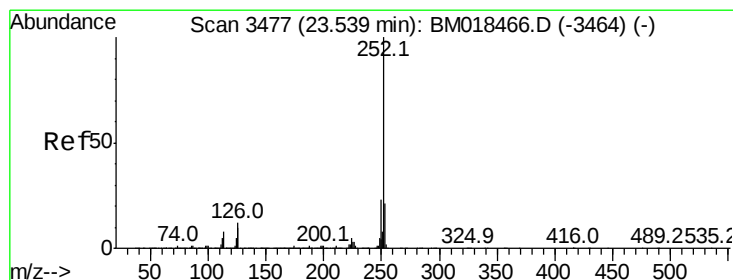
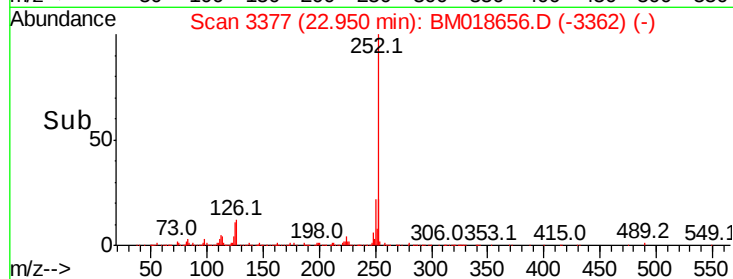
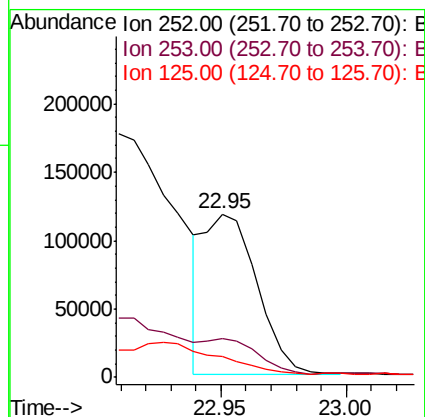
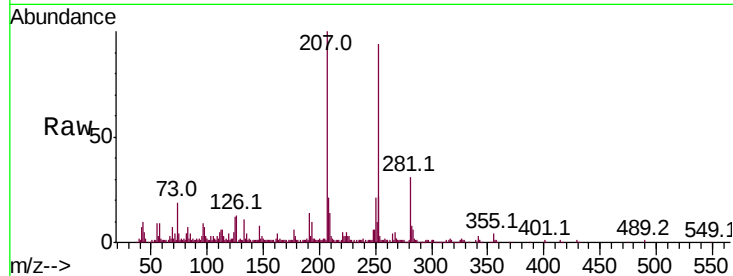
#89
Benzo(k)fluoranthene
Concen: 2.408 ng m
RT: 22.95 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

Instrument :
BNA_M
ClientSampleId :
WC-03-011519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.5	8.6	12.8

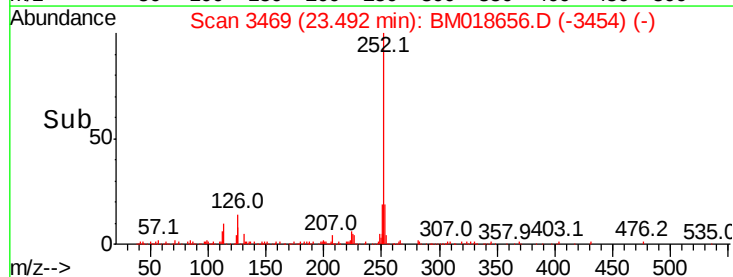
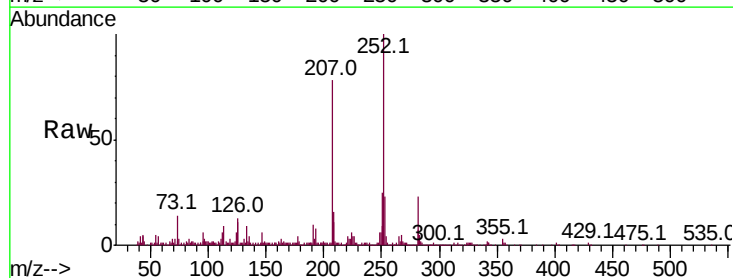
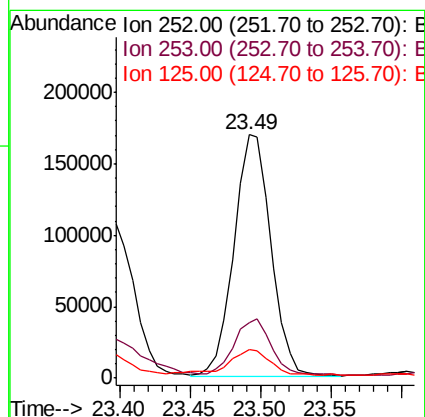
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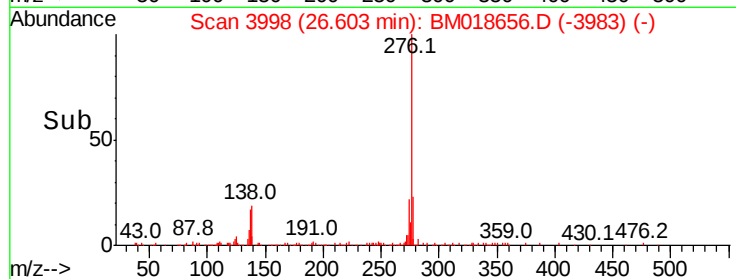
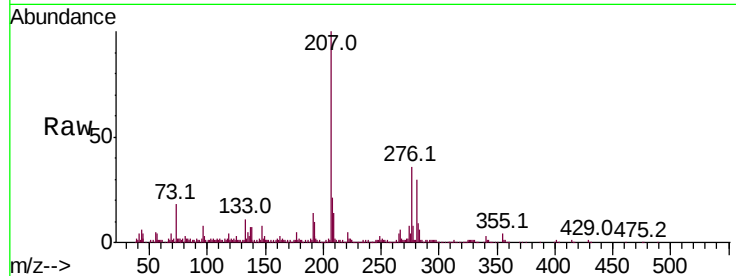
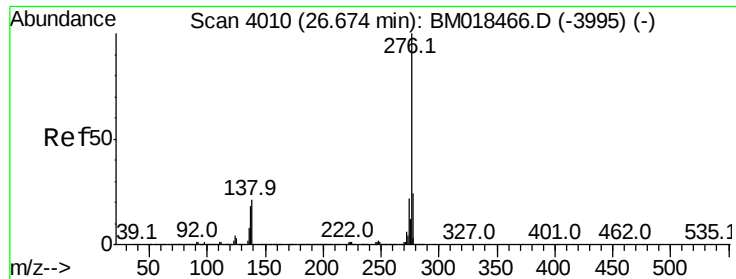
mohammad
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#90
Benzo(a)pyrene
Concen: 4.554 ng
RT: 23.49 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018656.D
Acq: 25 Jan 2019 17:20

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





#92

Benzo(a,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

Instrument :

BNA_M

ClientSampleId :

WC-03-011519

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

Manual Integrations
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1/29/2019 12:29:41 AM

