

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018311.D
 Acq On : 20 Dec 2018 00:01
 Operator : JU/SJ
 Sample : J6445-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EB06_1-3

Manual Integrations
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Sohil
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Quant Time: Dec 20 02:53:07 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	121574	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	442242	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	225458	20.00	ng	-0.02
64) Phenanthrene-d10	16.90	188	468406	20.00	ng	-0.02
76) Chrysene-d12	21.13	240	509540	20.00	ng	-0.02
87) Perylene-d12	23.29	264	567874	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	401959	55.23	ng	0.00
7) Phenol-d6	6.69	99	514538	50.87	ng	-0.02
23) Nitrobenzene-d5	8.64	82	318920	36.99	ng	-0.02
42) 2,4,6-Tribromophenol	15.65	330	158324	47.85	ng	-0.02
45) 2-Fluorobiphenyl	12.75	172	631717	36.29	ng	-0.02
79) Terphenyl-d14	19.56	244	840177	37.29	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.72	94	33390	3.117	ng	95
31) Naphthalene	10.30	128	108721	5.028	ng	99
50) Dimethylphthalate	13.62	163	51726	2.760	ng	98
52) Acenaphthene	14.21	154	48540	3.531	ng	96
55) Dibenzofuran	14.55	168	54998	2.490	ng	96
58) Fluorene	15.20	166	62322	3.653	ng	96
71) Phenanthrene	16.95	178	949361	37.314	ng	99
72) Anthracene	17.04	178	171713	6.803	ng	96
73) Carbazole	17.33	167	76861	2.967	ng	97
75) Fluoranthene	18.98	202	1236972	41.817	ng	99
78) Pyrene	19.34	202	1037687	34.178	ng	99
81) Benzo(a)anthracene	21.11	228	572920	19.248	ng	99
83) Chrysene	21.16	228	536527	18.740	ng	98
86) Indeno(1,2,3-cd)pyrene	25.41	276	366307	12.845	ng	# 95
88) Benzo(b)fluoranthene	22.65	252	694220m	21.763	ng	
89) Benzo(k)fluoranthene	22.69	252	204488m	6.437	ng	
90) Benzo(a)pyrene	23.19	252	517936	17.072	ng	98
91) Dibenzo(a,h)anthracene	25.41	278	100198	3.565	ng	# 89
92) Benzo(a,h,i)perylene	26.06	276	350010	13.175	ng	96

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

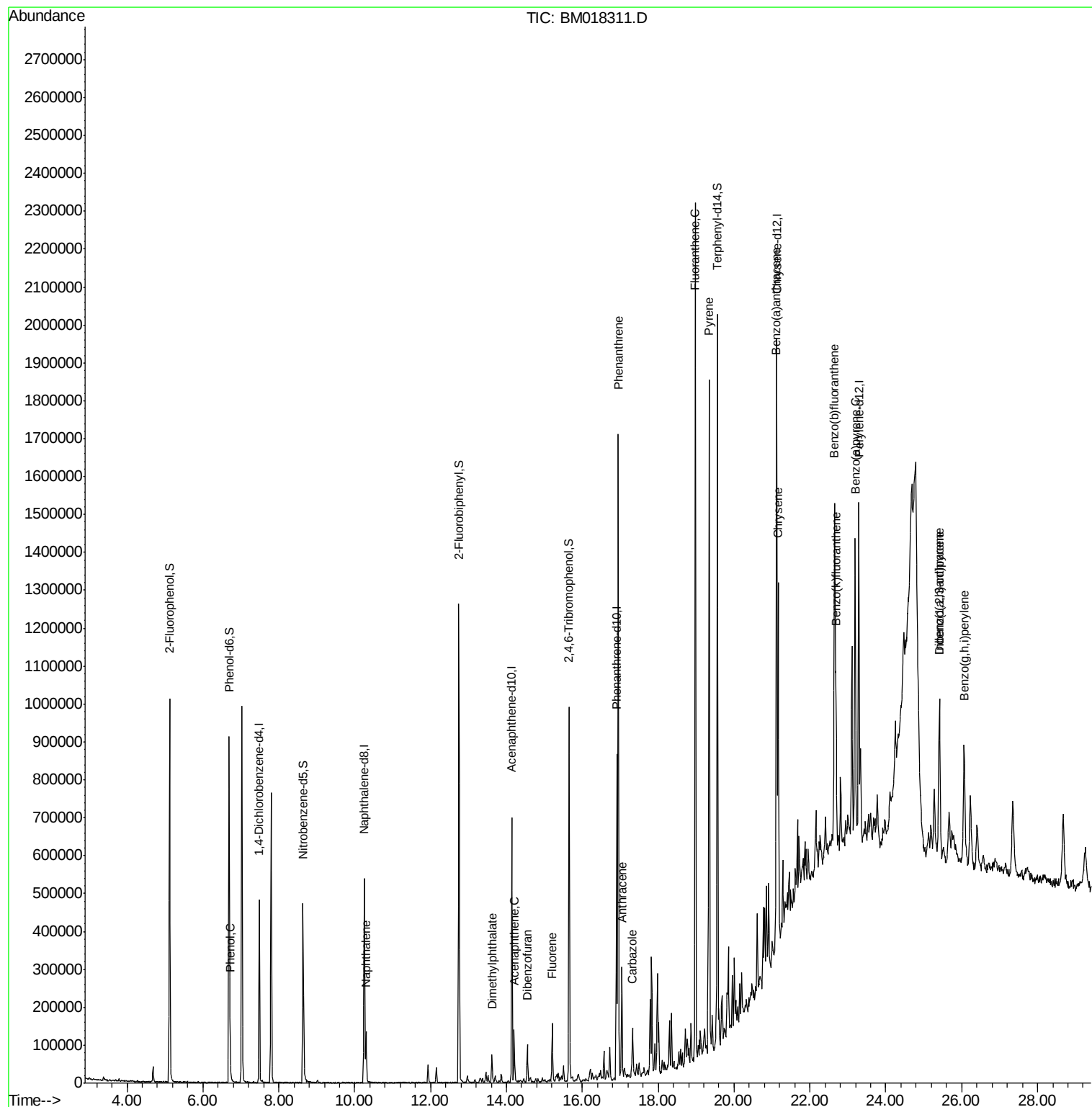
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
Data File : BM018311.D
Acq On : 20 Dec 2018 00:01
Operator : JU/SJ
Sample : J6445-01
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ALS Vial : 12 Sample Multiplier: 1

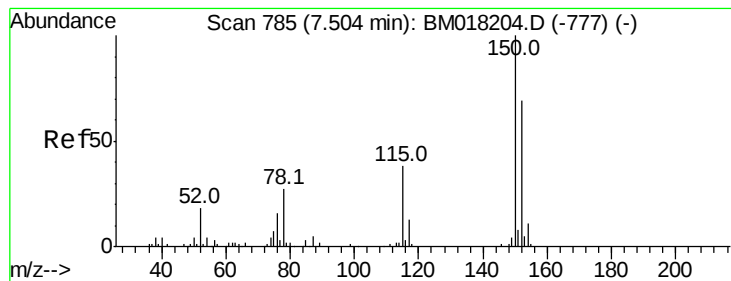
Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

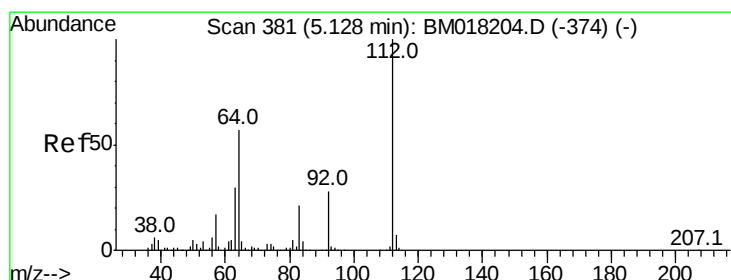
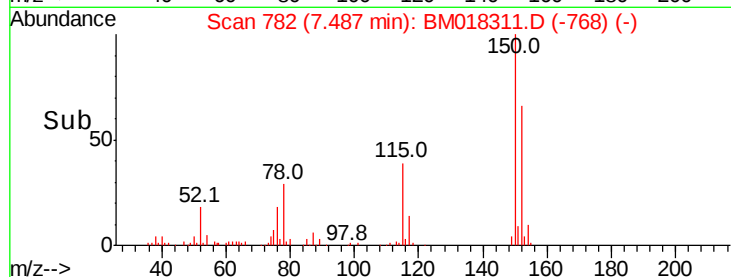
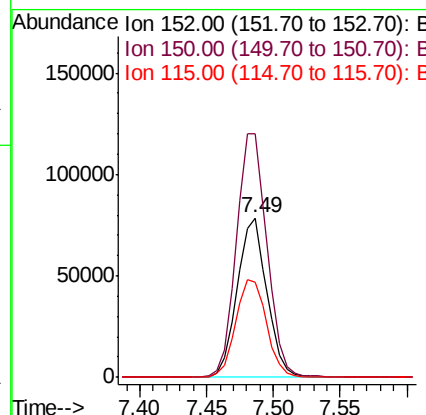
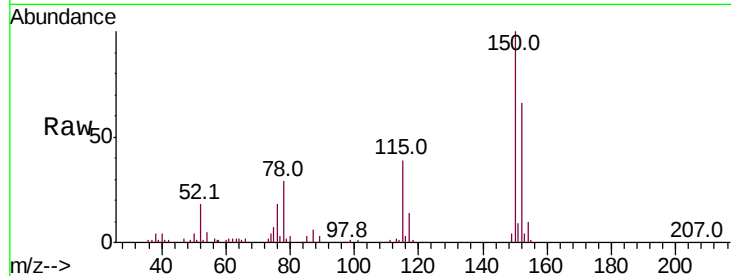
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	116.1	174.1
115	59.3	44.6	67.0

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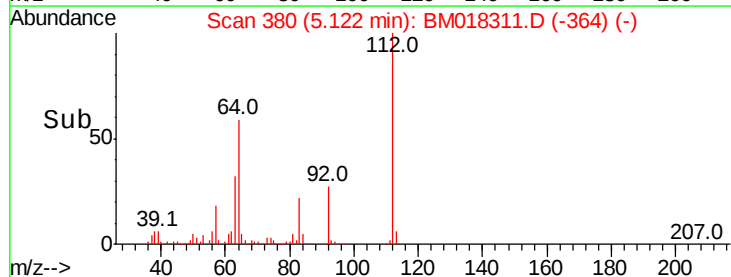
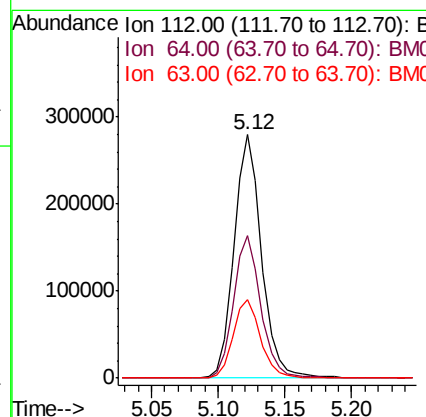
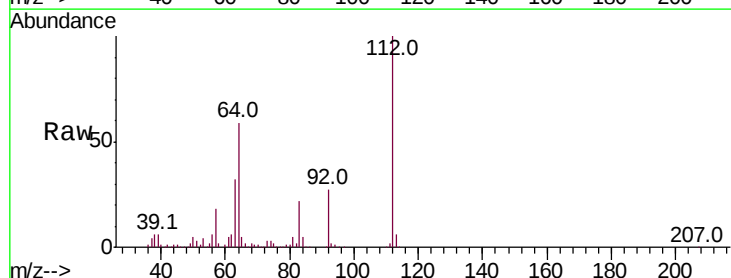
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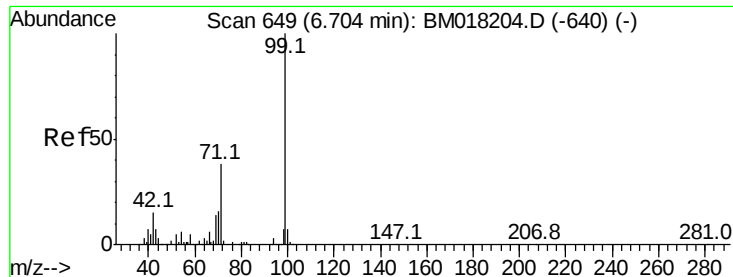


#5

2-Fluorophenol
Concen: 55.231 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.4	68.2
63	32.1	24.0	36.0





#7

Phenol-d6

Concen: 50.866 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Instrument :

BNA_M

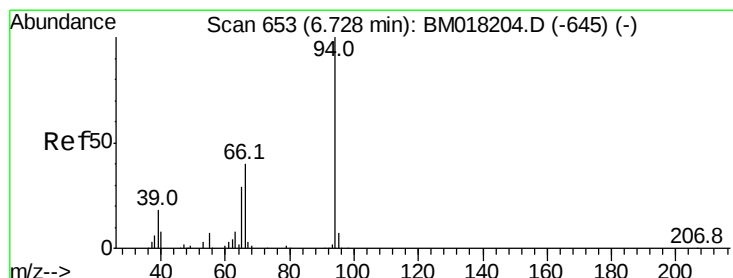
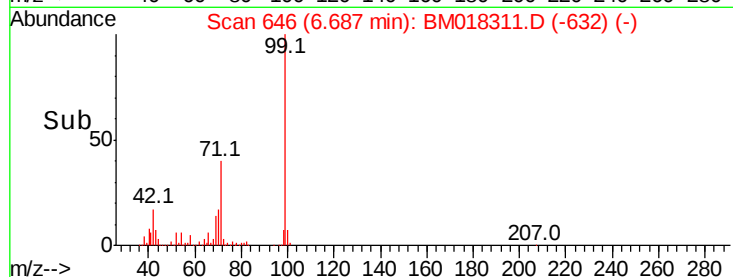
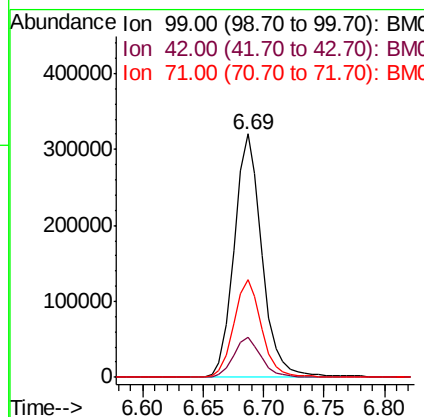
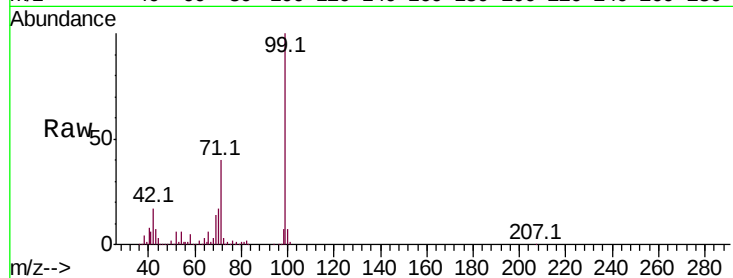
ClientSampleId :

EB06_1-3

Tot Ion:	99	Resp:	514538
Ion	Ratio	Lower	Upper
99	100		
42	16.5	12.3	18.5
71	40.1	30.2	45.2

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#10

Phenol

Concen: 3.117 ng

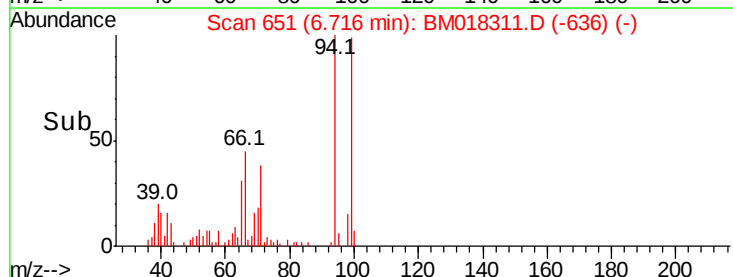
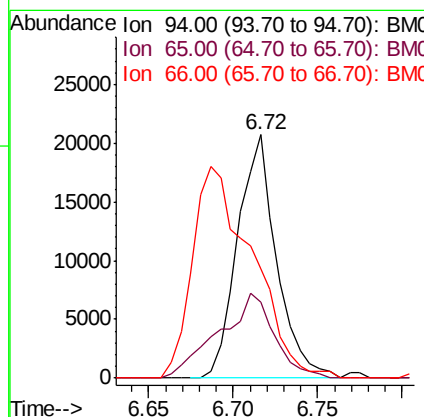
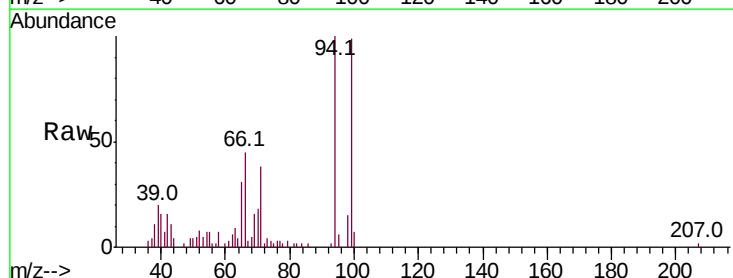
RT: 6.72 min Scan# 651

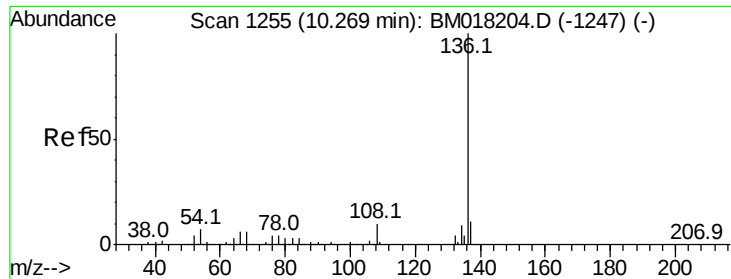
Delta R.T. -0.01 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Tgt Ion:	94	Resp:	33390
Ion	Ratio	Lower	Upper
94	100		
65	31.0	9.5	49.5
66	45.0	21.3	61.3





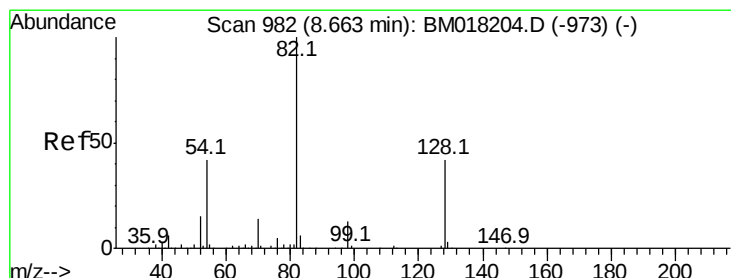
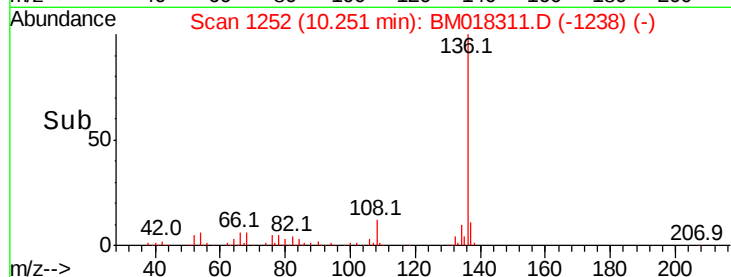
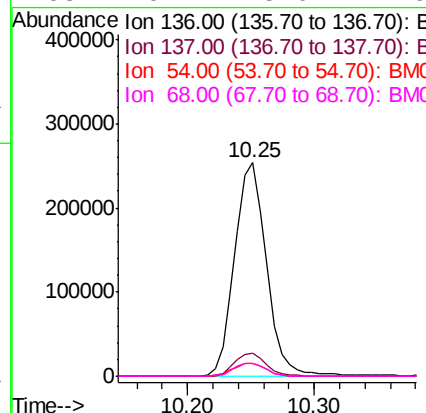
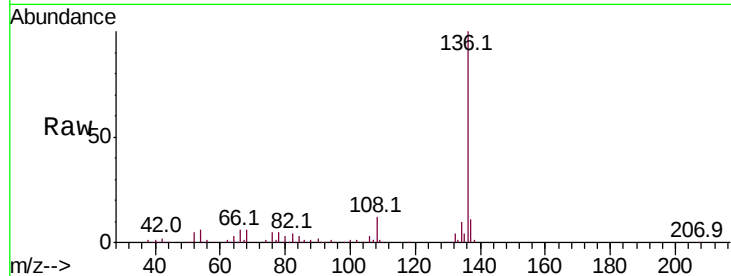
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.2	13.8	
54	6.0	5.2	7.8	
68	6.1	5.0	7.6	

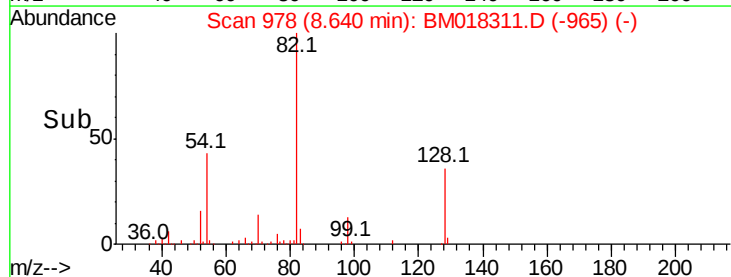
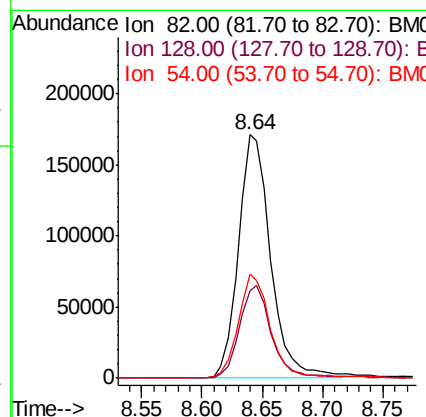
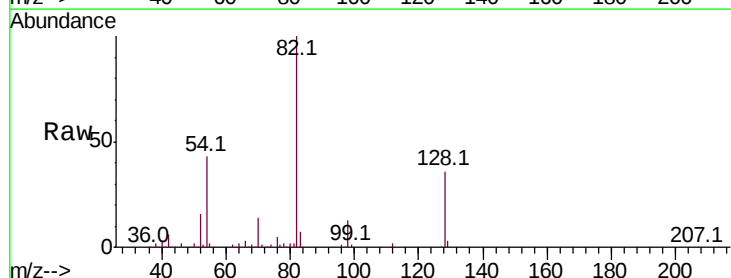
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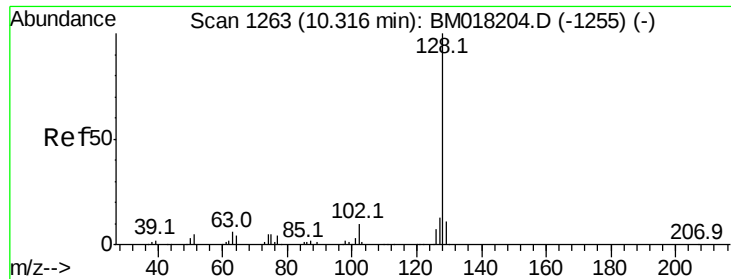
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#23
Nitrobenzene-d5
Concen: 36.990 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.8	33.4	50.2	
54	43.0	33.4	50.2	





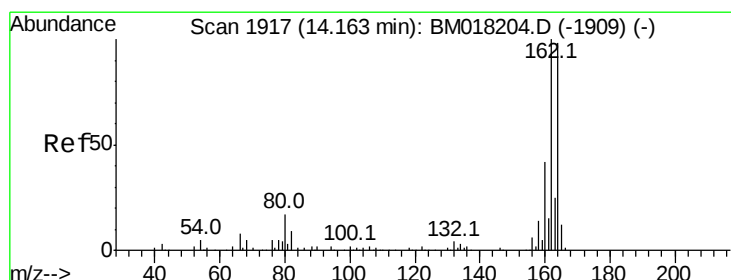
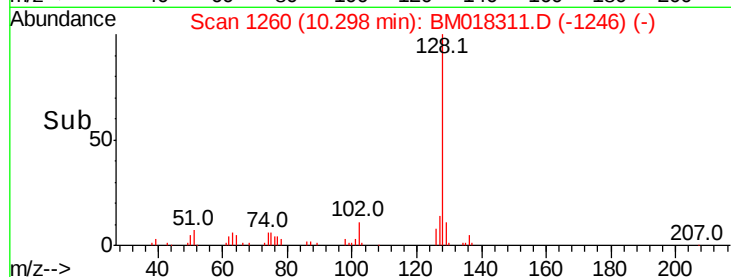
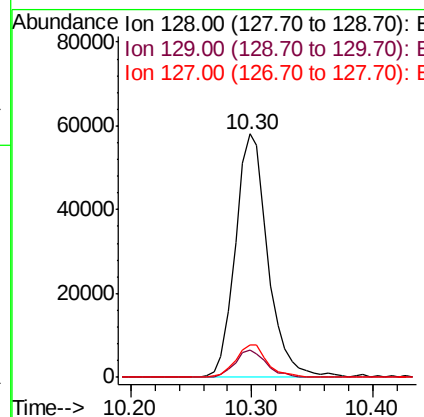
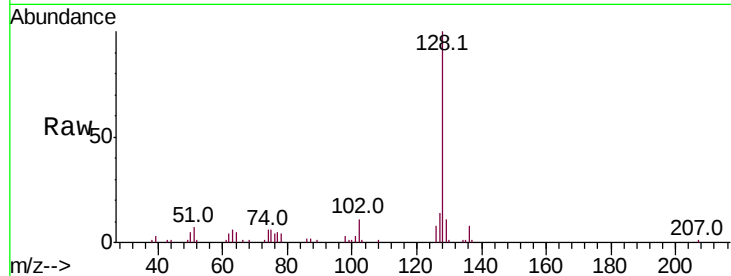
#31
Naphthalene
Concen: 5.028 ng
RT: 10.30 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Resp	Lower	Upper
128	100	108721		
129	11.5	8.9	13.3	
127	13.6	10.4	15.6	

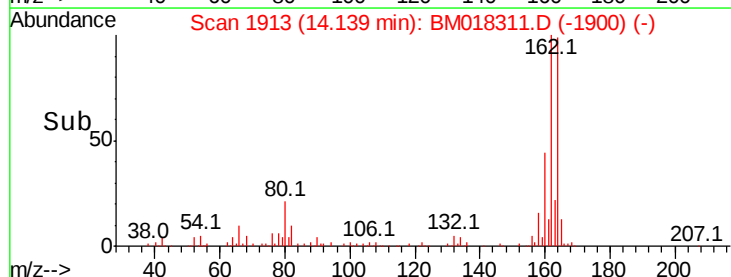
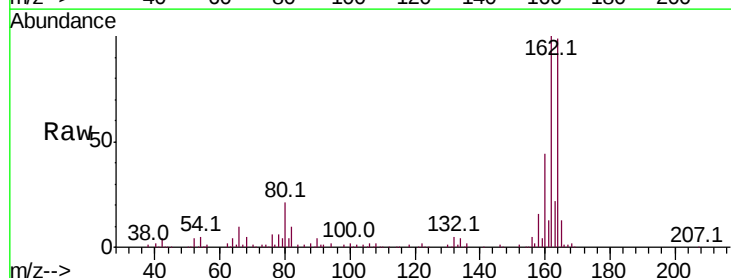
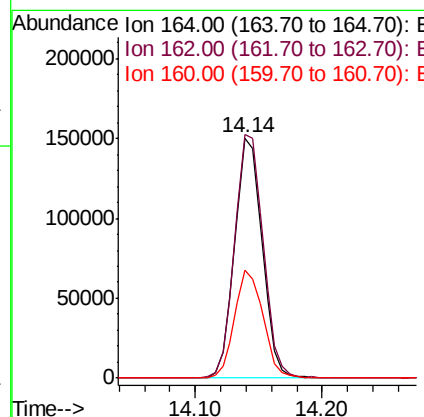
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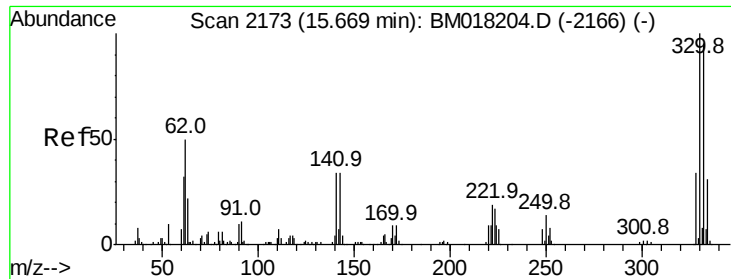
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	225458		
162	101.5	81.8	122.6	
160	44.9	34.6	51.8	





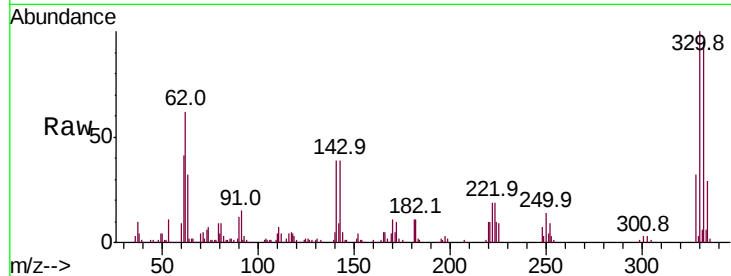
#42
 2,4,6-Tribromophenol
 Concen: 47.845 ng
 RT: 15.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BM018311.D
 Acq: 20 Dec 2018 00:01

Instrument :
 BNA_M
 ClientSampled :
 EB06_1-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	158324		
332	95.3		78.6	118.0
141	38.4		27.1	40.7

Manual Integrations
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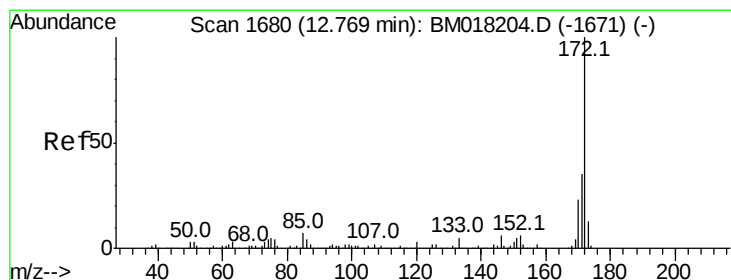
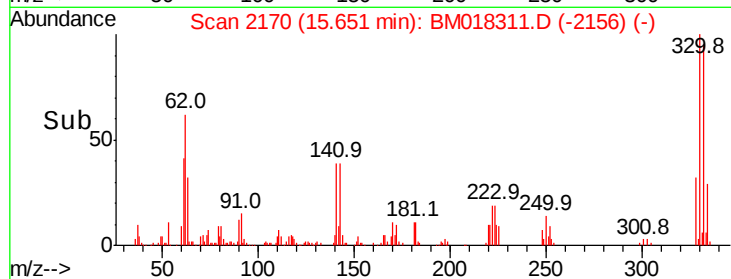
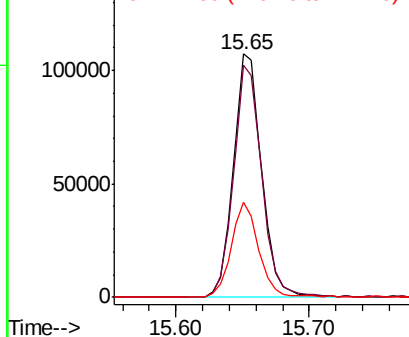


Abundance

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: 36.292 ng
 RT: 12.75 min Scan# 1676
 Delta R.T. -0.02 min
 Lab File: BM018311.D
 Acq: 20 Dec 2018 00:01

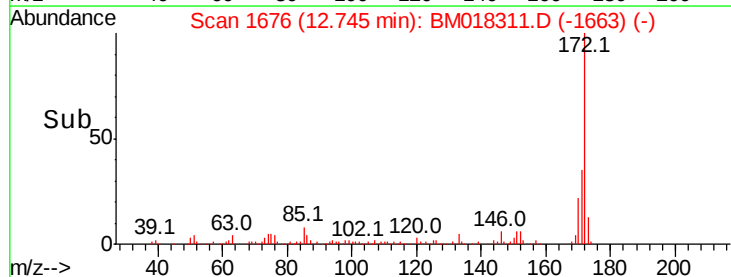
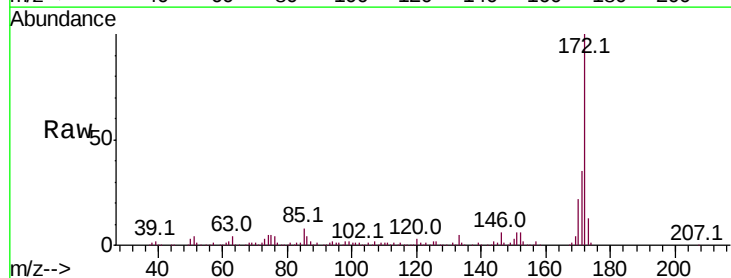
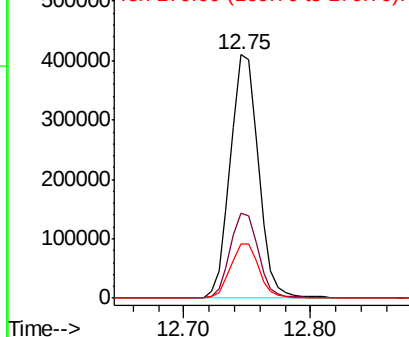
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	631717		
171	34.8		28.3	42.5
170	22.3		18.1	27.1

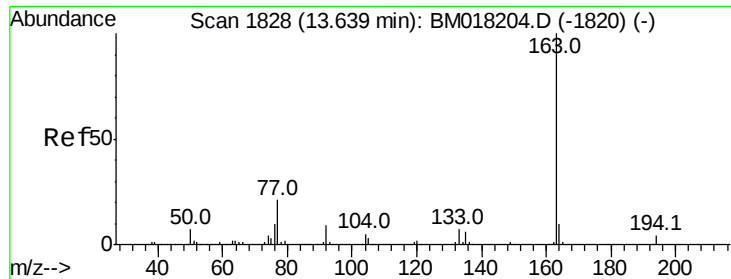
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





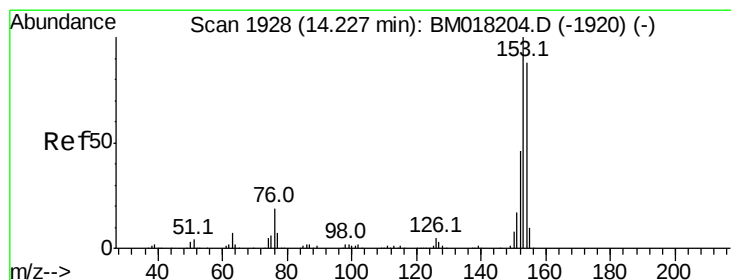
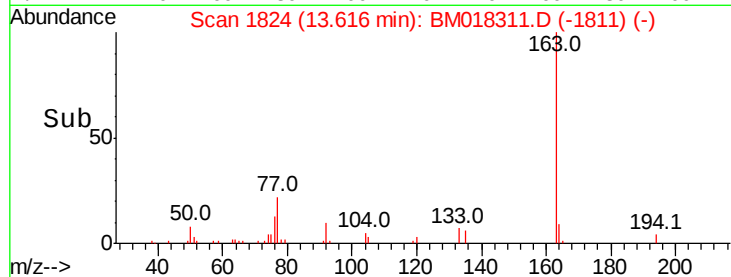
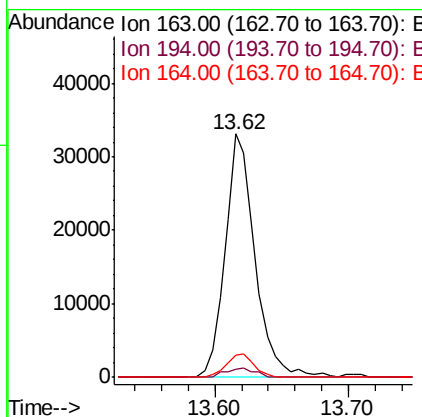
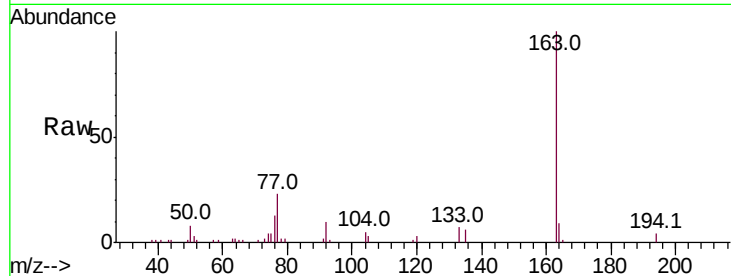
#50
Dimethylphthalate
Concen: 2.760 ng
RT: 13.62 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	8.9	7.9	11.9

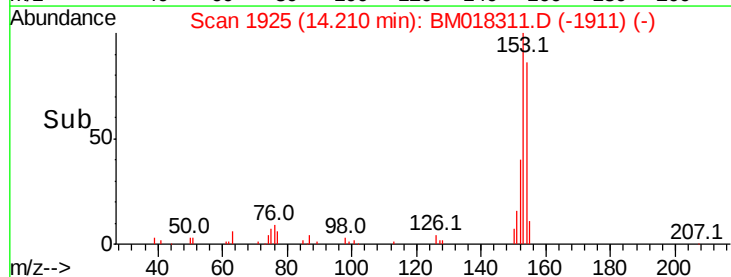
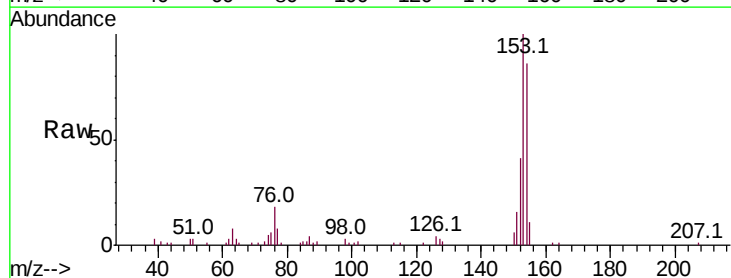
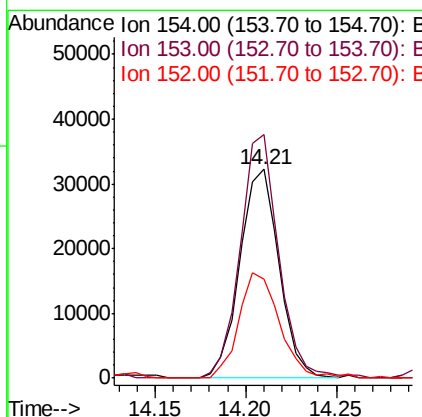
Manual Integrations
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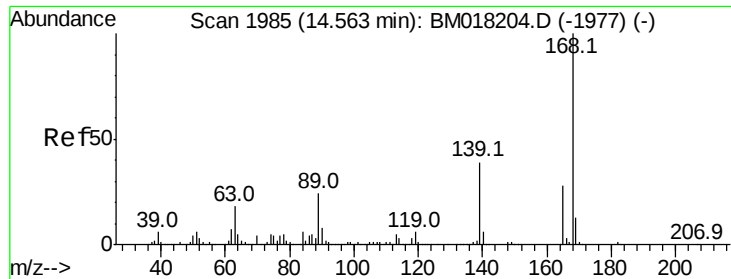
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#52
Acenaphthene
Concen: 3.531 ng
RT: 14.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.4	135.6
152	47.5	41.2	61.8





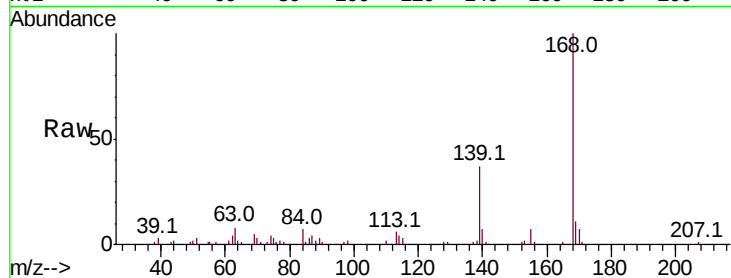
#55
Dibenzofuran
Concen: 2.490 ng
RT: 14.55 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.2	46.8
169	11.3	10.4	15.6

Manual Integrations
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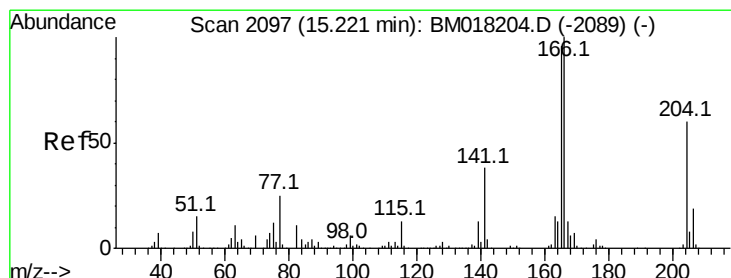
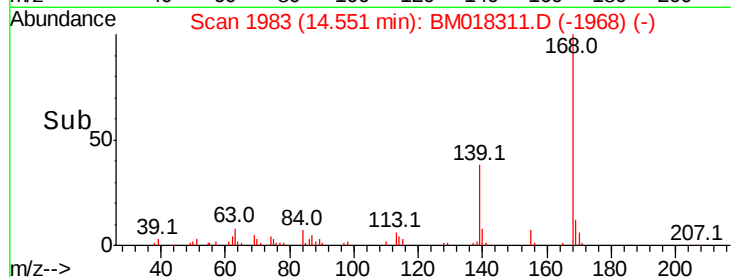
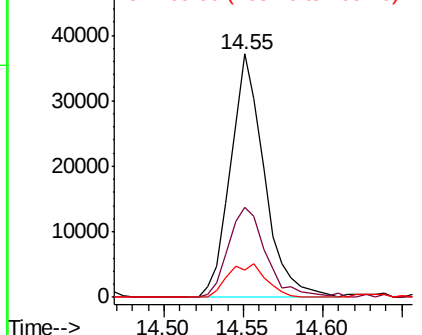


Abundance

Ion 168.00 (167.70 to 168.70): E

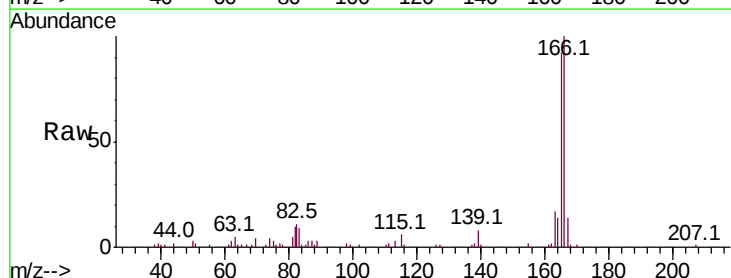
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 3.653 ng
RT: 15.20 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.0	76.9	115.3
167	14.4	10.5	15.7

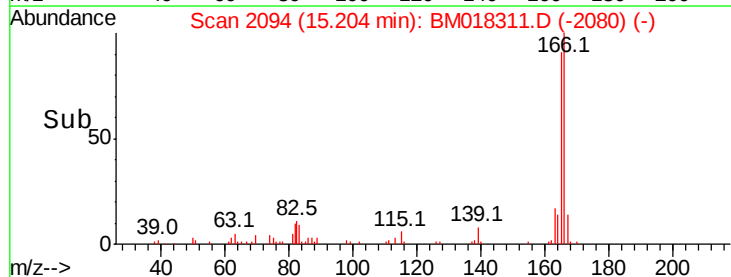
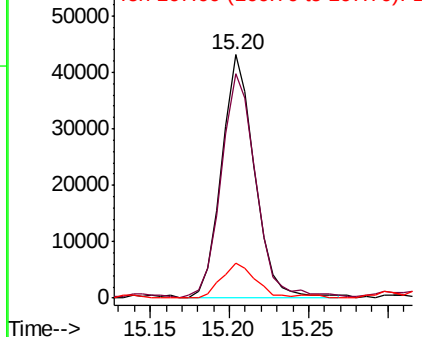


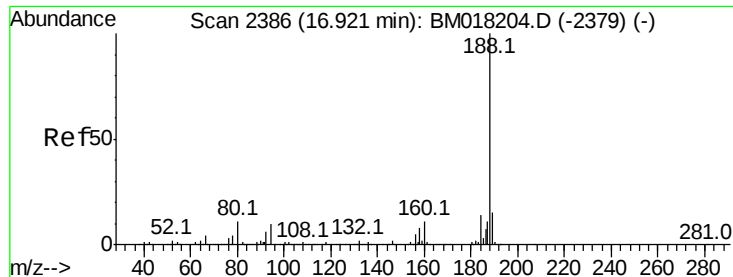
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.90 min Scan# 2383

Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Instrument :

BNA_M

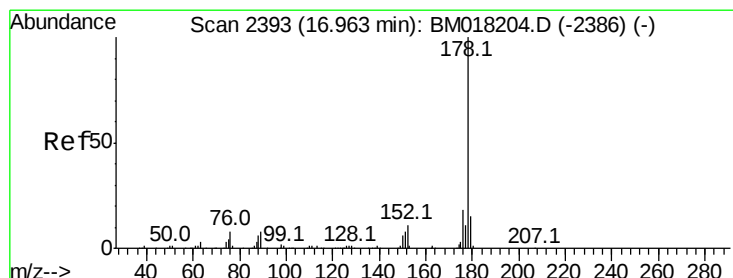
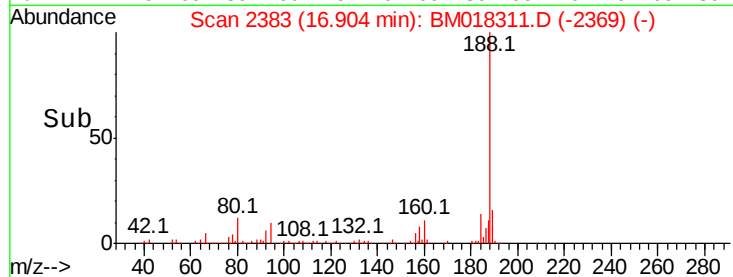
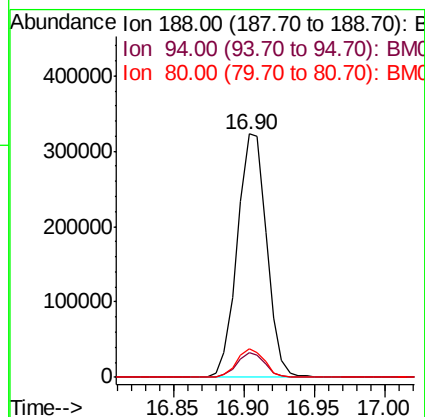
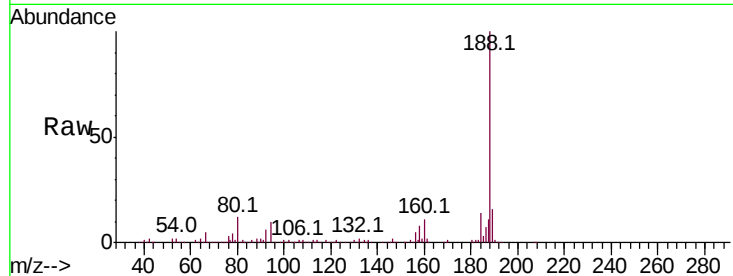
ClientSampleId :

EB06_1-3

Tot Ion:	188	Resp:	468406
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.0	12.0
80	11.8	9.0	13.6

Manual Integrations
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#71

Phenanthrene

Concen: 37.314 ng

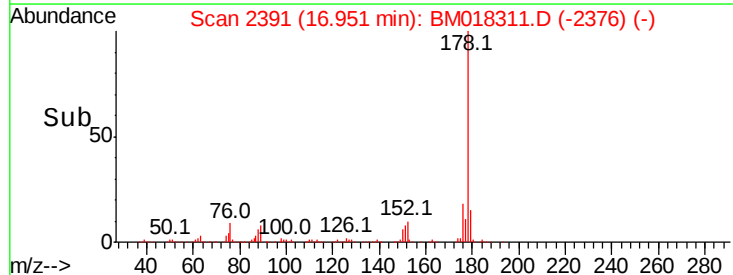
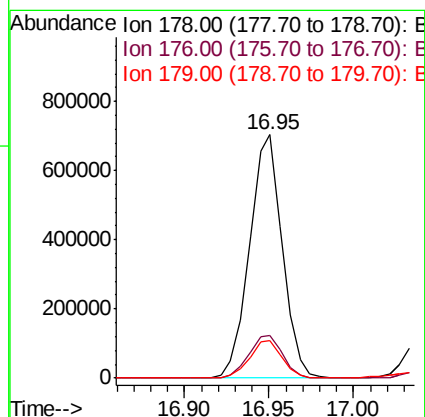
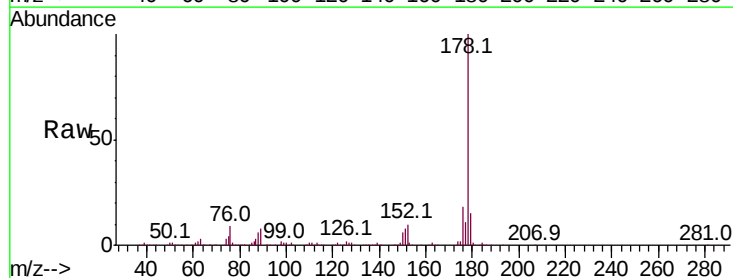
RT: 16.95 min Scan# 2391

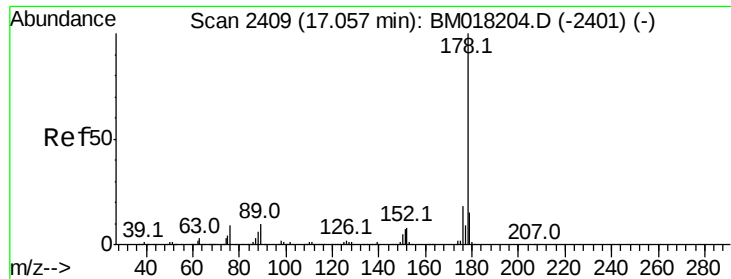
Delta R.T. -0.01 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Tgt Ion:	178	Resp:	949361
Ion Ratio	Lower	Upper	
178	100		
176	17.5	14.7	22.1
179	15.2	12.0	18.0





#72

Anthracene

Concen: 6.803 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Instrument :

BNA_M

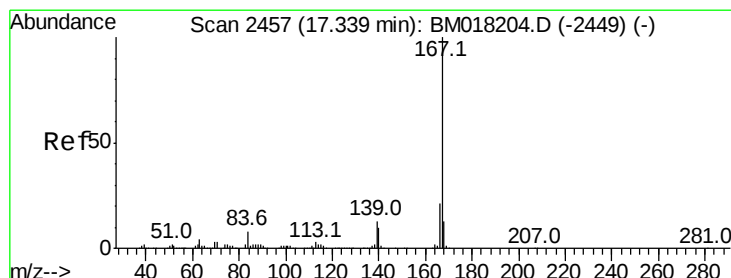
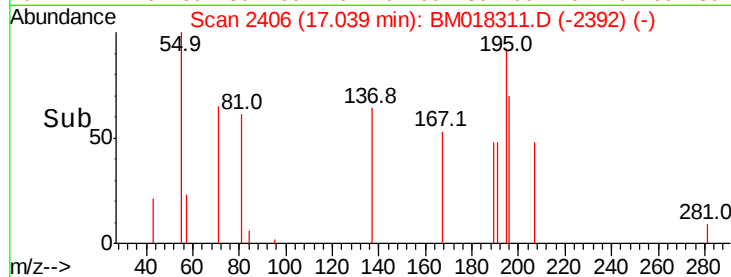
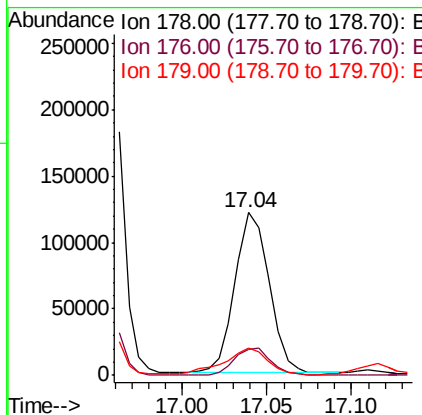
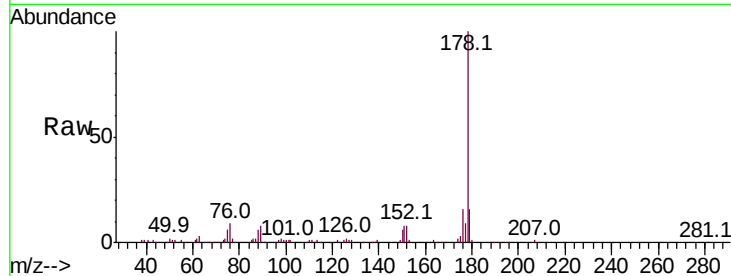
ClientSampleId :

EB06_1-3

Tot Ion:	178	Resp:	171713
Ion Ratio	Lower	Upper	
178	100		
176	16.3	14.3	21.5
179	16.5	12.0	18.0

Manual Integrations
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Sohil
12/20/2018 2:55:12 PM



#73

Carbazole

Concen: 2.967 ng

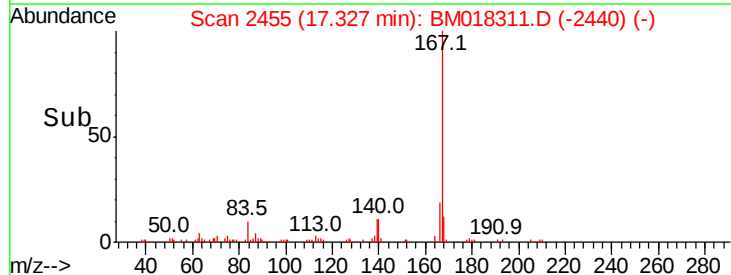
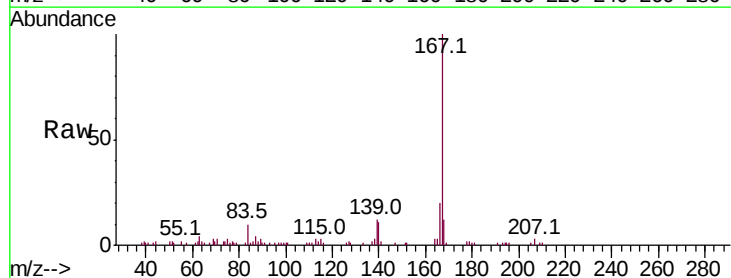
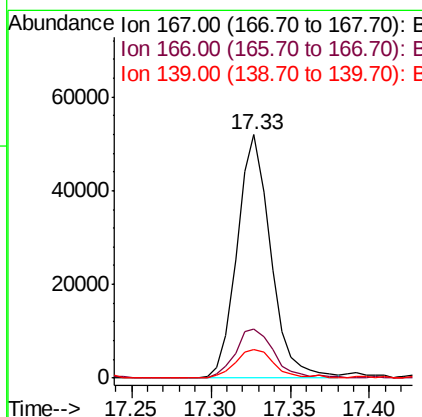
RT: 17.33 min Scan# 2455

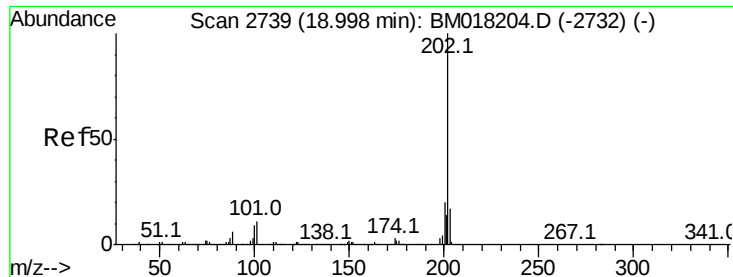
Delta R.T. -0.01 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Tgt Ion:	167	Resp:	76861
Ion Ratio	Lower	Upper	
167	100		
166	19.9	16.8	25.2
139	11.7	10.3	15.5





#75

Fluoranthene

Concen: 41.817 ng

RT: 18.98 min Scan# 2736

Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Instrument :

BNA_M

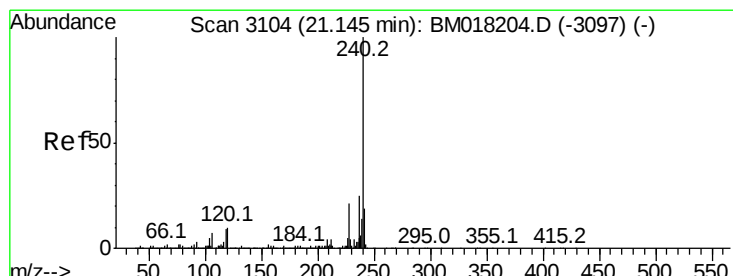
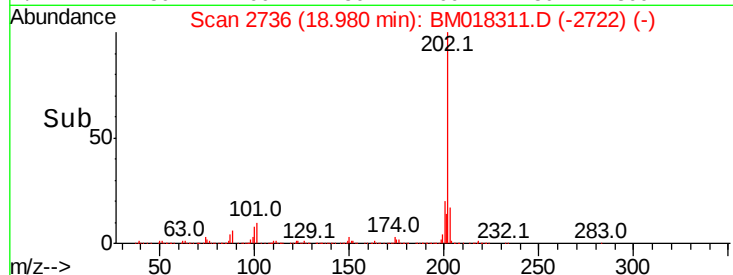
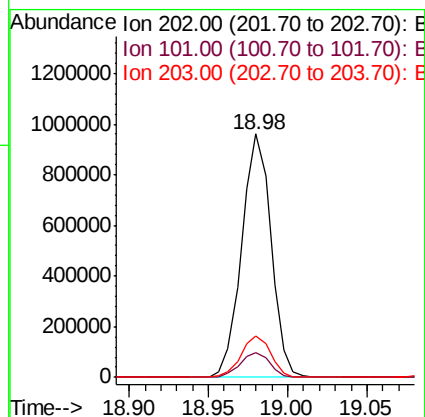
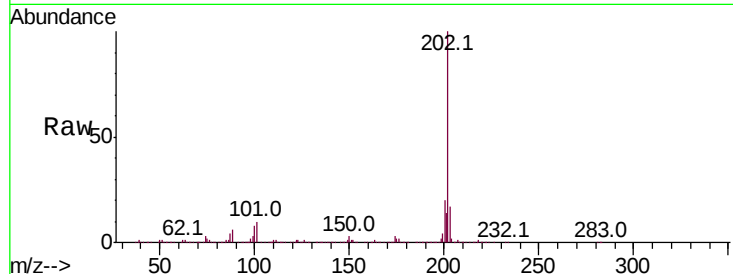
ClientSampleId :

EB06_1-3

Tot Ion:	202	Resp:	1236972
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.5
203	17.1	0.0	37.5

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

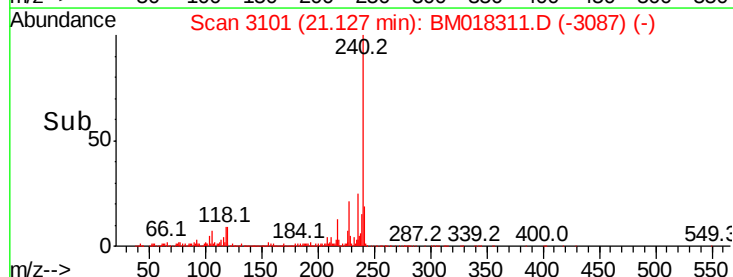
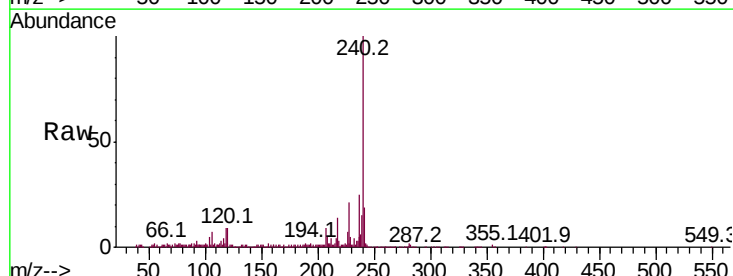
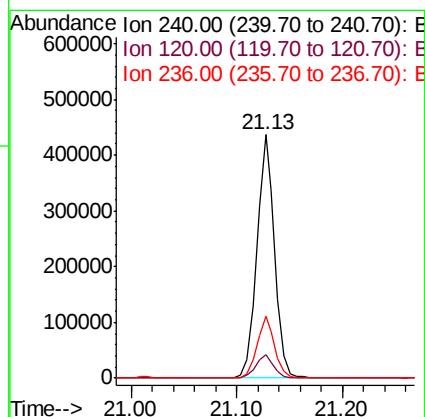
RT: 21.13 min Scan# 3101

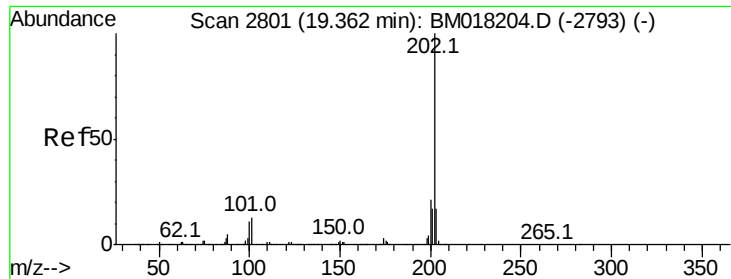
Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Tgt Ion:	240	Resp:	509540
Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.3	20.3	30.5





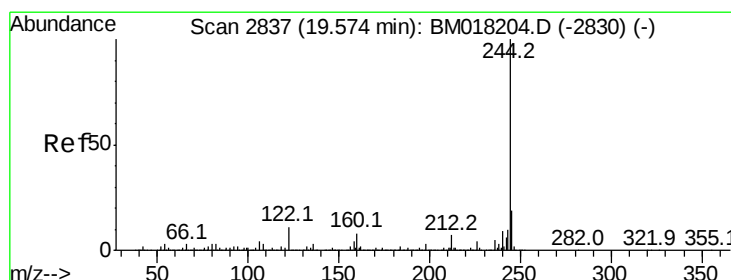
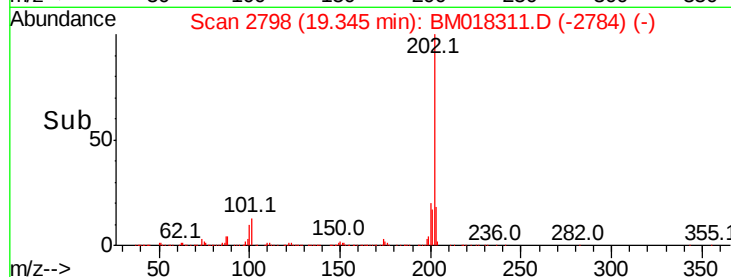
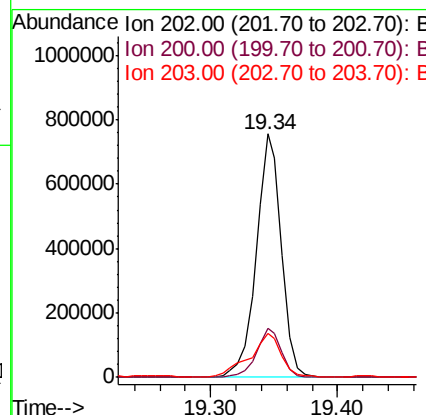
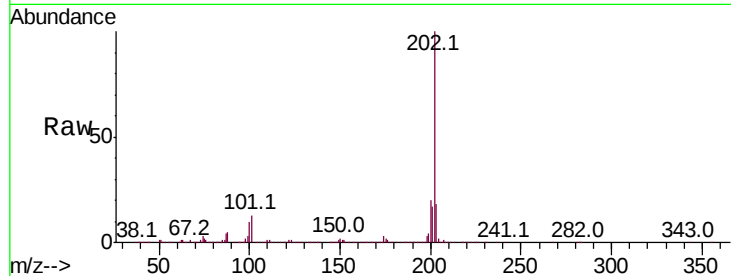
#78
Pvrene
Concen: 34.178 ng
RT: 19.34 min Scan# 2798
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	18.1	14.0	21.0

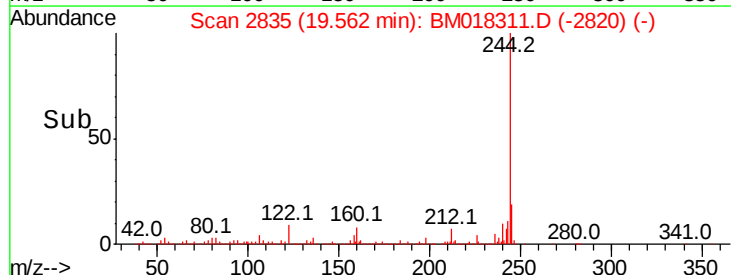
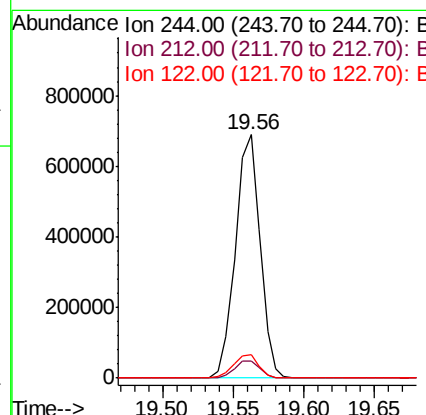
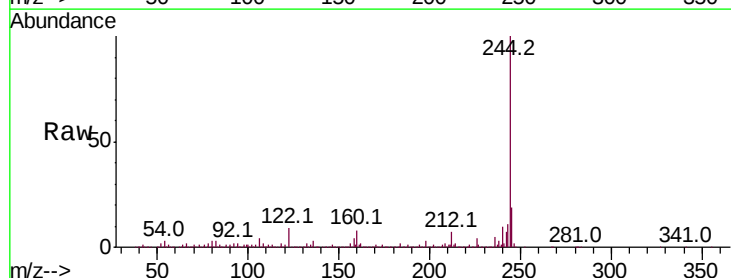
Manual Integrations
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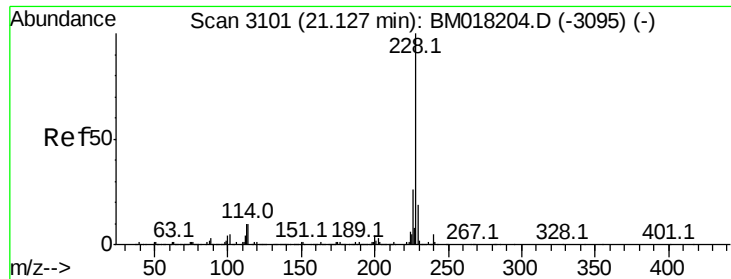
Sohil
12/20/2018 2:55:12 PM



#79
Terphenyl-d14
Concen: 37.292 ng
RT: 19.56 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.4	9.0	13.6





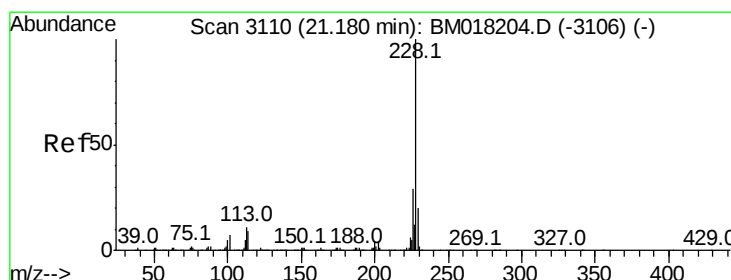
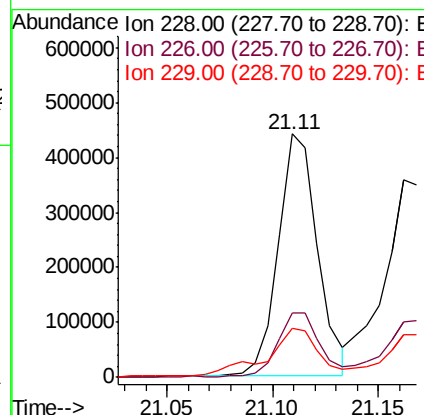
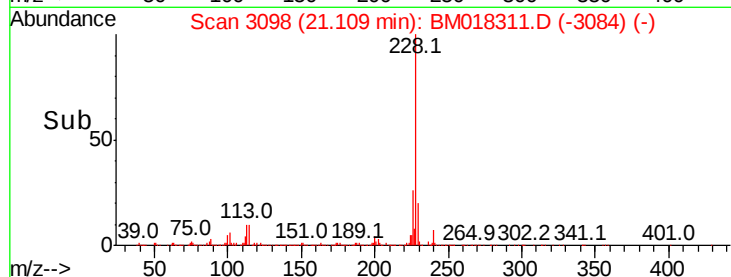
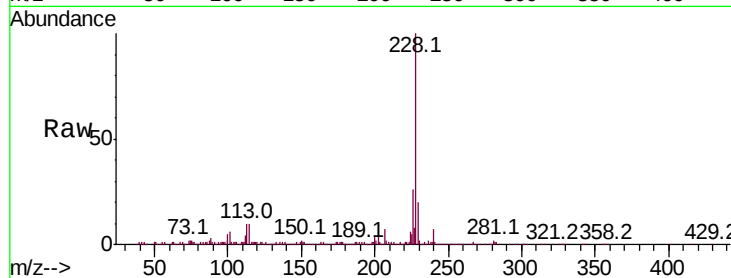
#81
Benzo(a)anthracene
Concen: 19.248 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.4
229	20.3	15.5	23.3

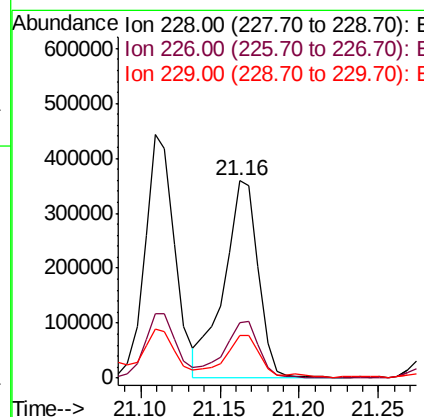
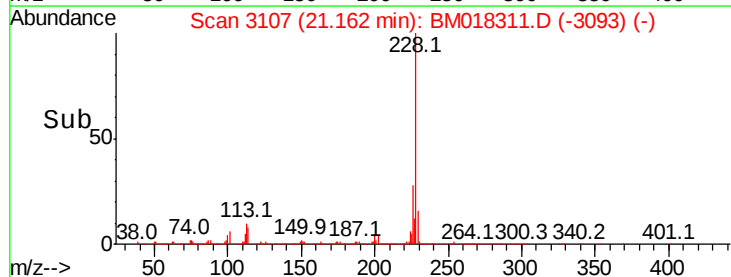
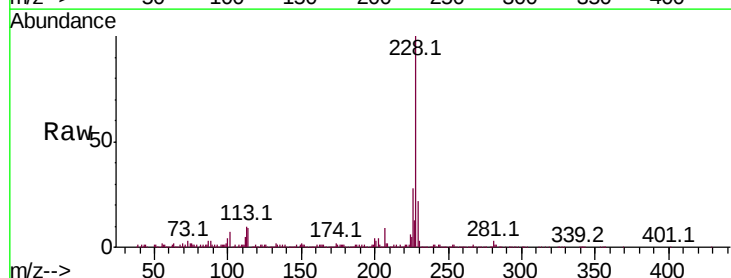
Manual Integrations
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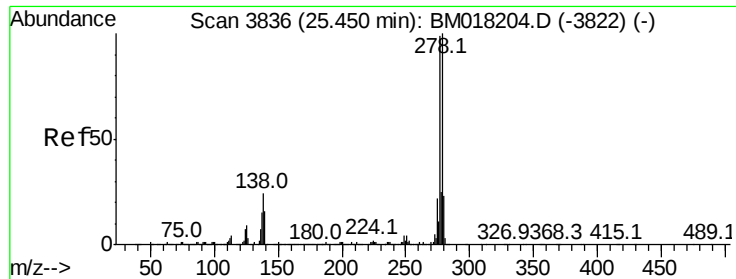
Sohil
12/20/2018 2:55:12 PM



#83
Chrysene
Concen: 18.740 ng
RT: 21.16 min Scan# 3107
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.1	34.7
229	21.5	15.8	23.6





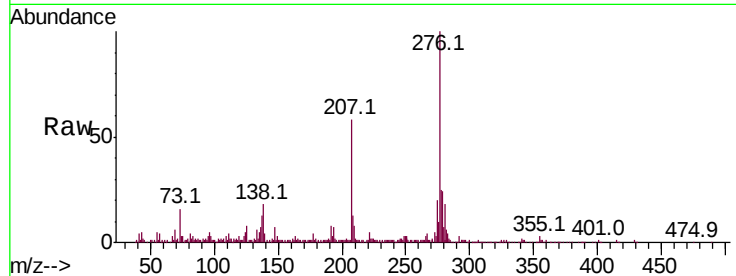
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.845 ng
RT: 25.41 min Scan# 3830
Delta R.T. -0.04 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampled :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	18.6	28.0#
277	25.1	20.3	30.5

Manual Integrations
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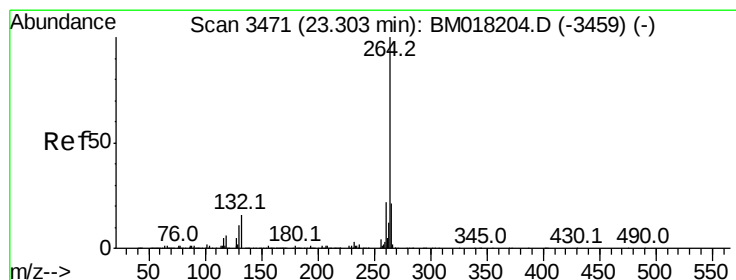
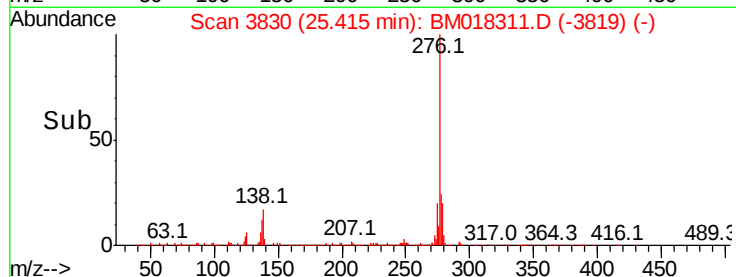
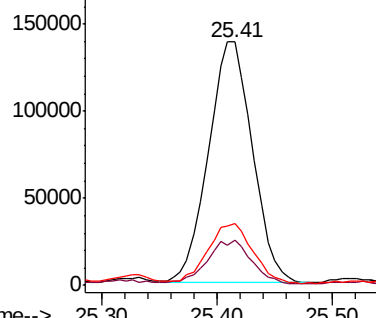


Abundance

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: 23.29 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

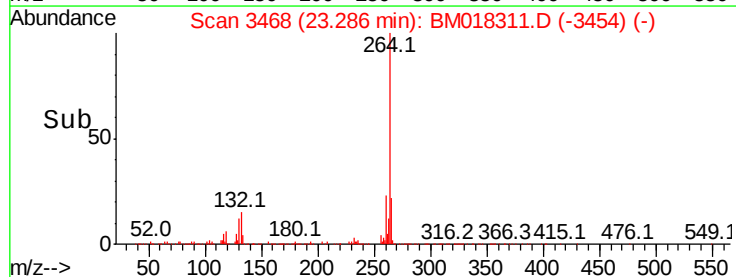
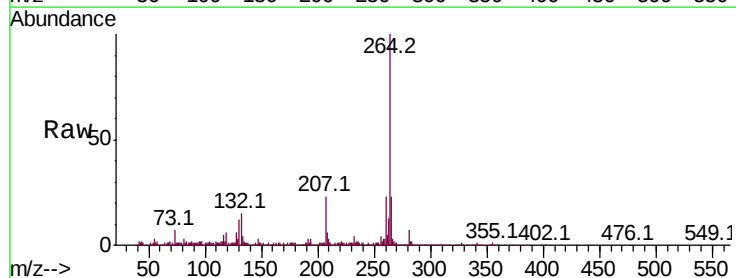
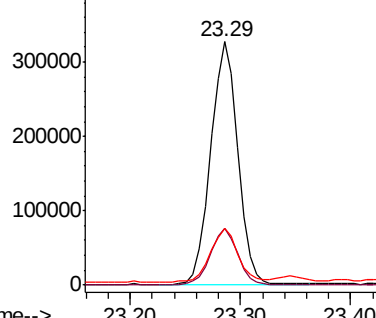
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.5	26.3
265	23.3	17.3	25.9

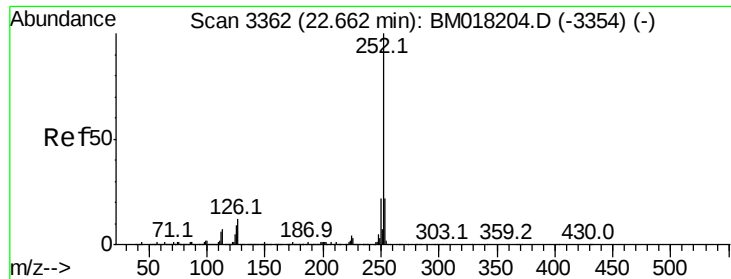
Abundance

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





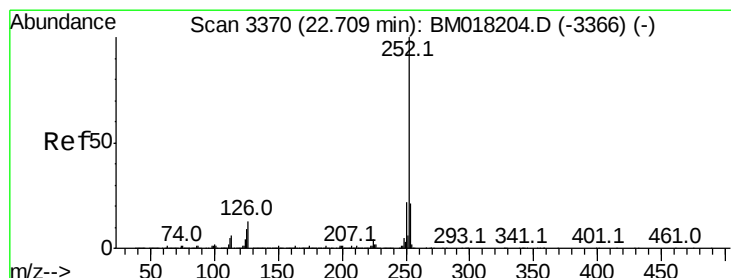
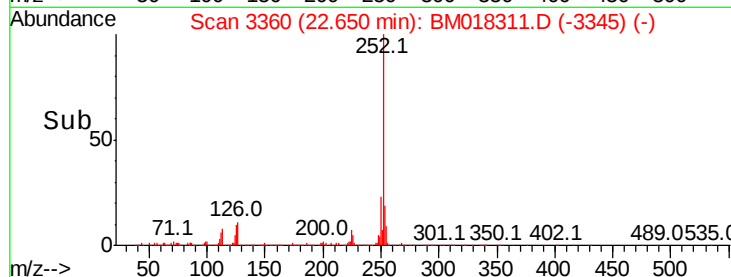
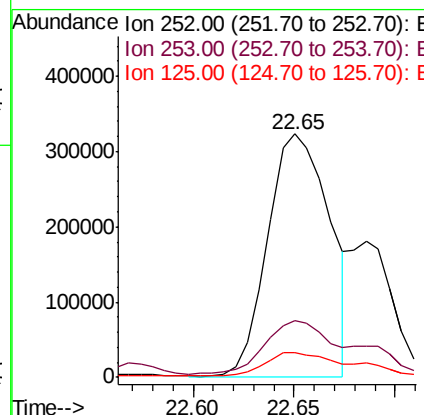
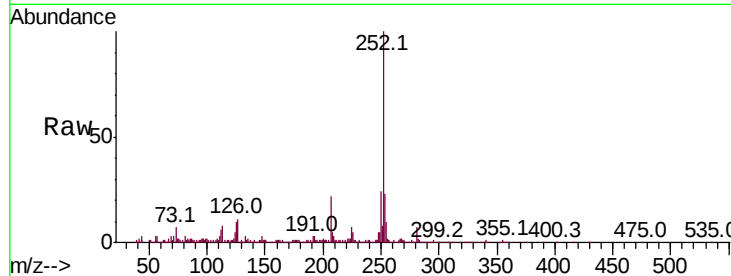
#88
Benzo(b)fluoranthene
Concen: 21.763 ng m
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Instrument :
BNA_M
ClientSampleId :
EB06_1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	10.4	7.4	11.0

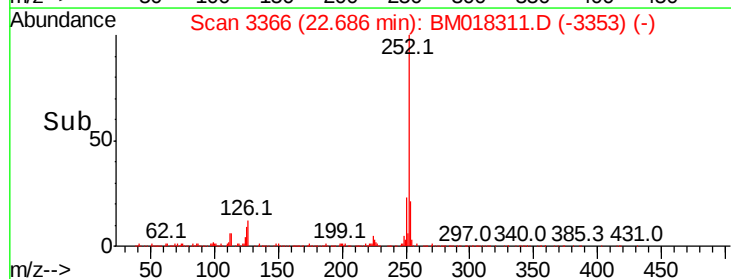
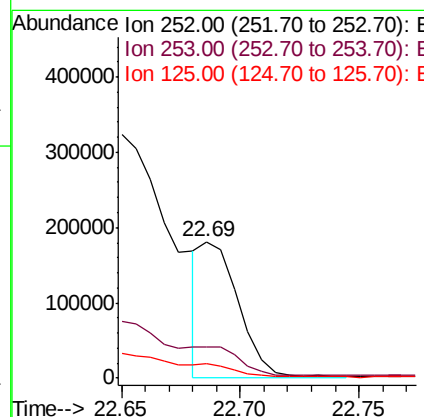
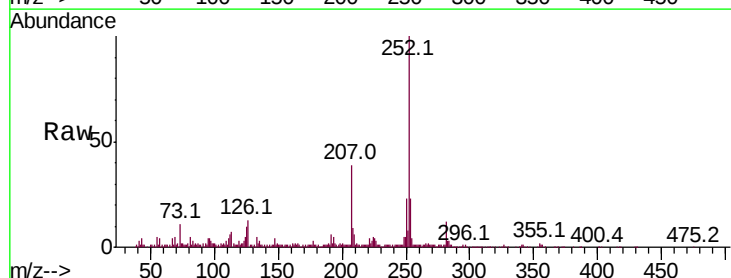
Manual Integrations
APPROVED

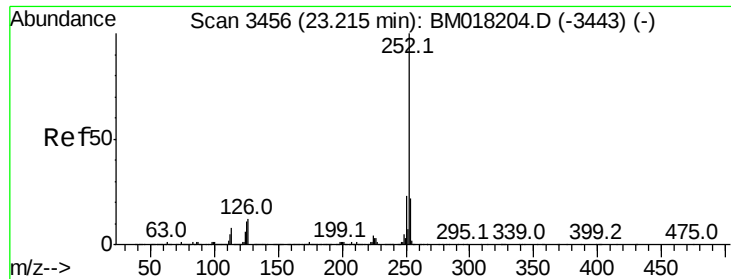
Sohil
12/20/2018 2:55:12 PM



#89
Benzo(k)fluoranthene
Concen: 6.437 ng m
RT: 22.69 min Scan# 3366
Delta R.T. -0.02 min
Lab File: BM018311.D
Acq: 20 Dec 2018 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.9	25.3
125	10.4	7.5	11.3





#90

Benzo(a)pyrene

Concen: 17.072 ng

RT: 23.19 min Scan# 3452

Delta R.T. -0.02 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Instrument :

BNA_M

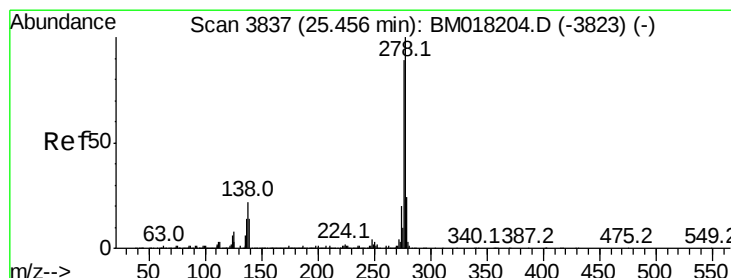
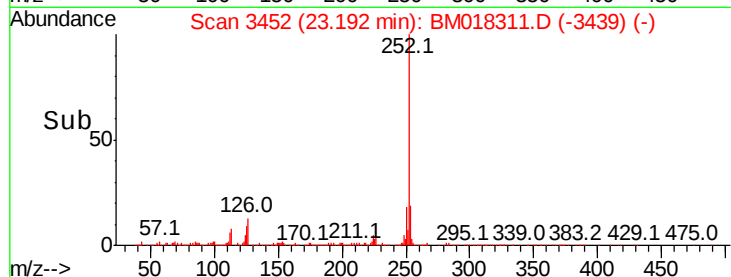
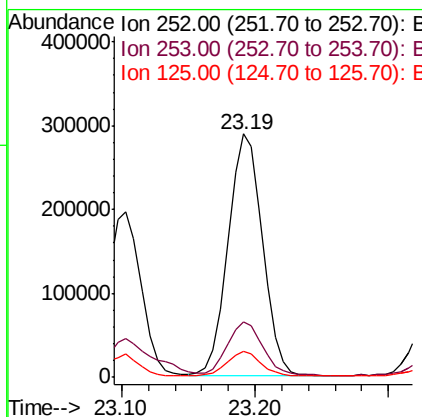
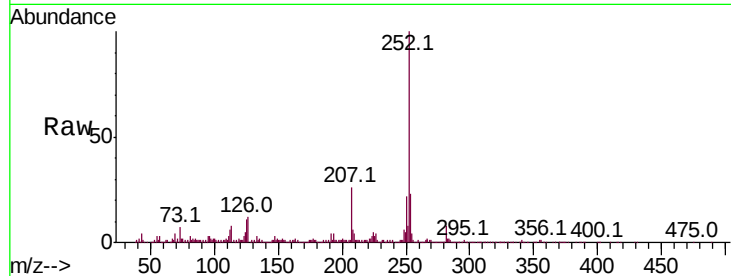
ClientSampleId :

EB06_1-3

Tot Ion:	252	Resp:	517936
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	10.6	8.6	12.8

Manual Integrations
APPROVED

Sohil
12/20/2018 2:55:12 PM



#91

Dibenzo(a,h)anthracene

Concen: 3.565 ng

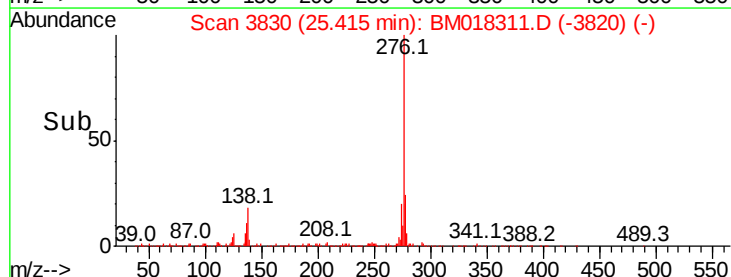
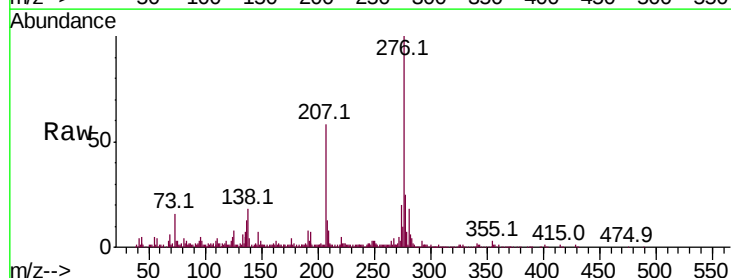
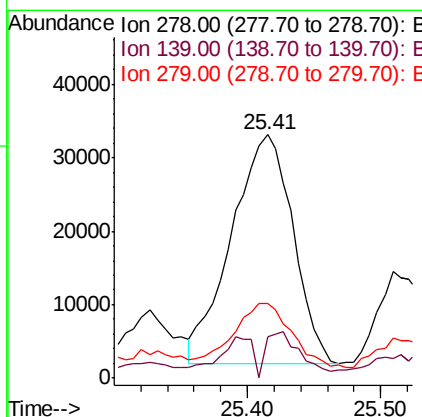
RT: 25.41 min Scan# 3830

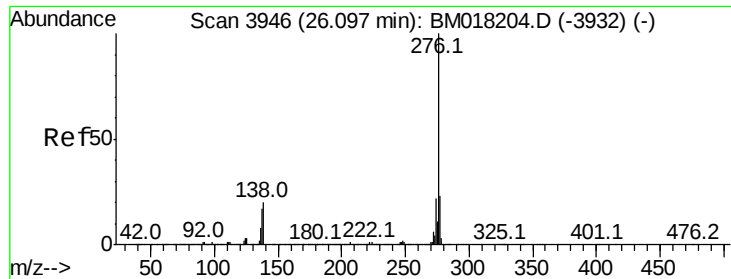
Delta R.T. -0.04 min

Lab File: BM018311.D

Acq: 20 Dec 2018 00:01

Tgt Ion:	278	Resp:	100198
Ion Ratio	Lower	Upper	
278	100		
139	17.2	11.6	17.4
279	30.6	19.2	28.8#





#92
 Benzo(a,h,i)perylene
 Concen: 13.175 ng
 RT: 26.06 min Scan# 3940
 Delta R.T. -0.04 min
 Lab File: BM018311.D
 Acq: 20 Dec 2018 00:01

Instrument :
 BNA_M
 ClientSampleId :
 EB06_1-3

Tot Ion:	276	Resp:	350010
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.7	28.1
138	17.5	15.8	23.8

Manual Integrations
 APPROVED

Sohil
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