

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018297.D
 Acq On : 19 Dec 2018 14:31
 Operator : JU/SJ
 Sample : J6319-11 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 065_SW-W-1

Manual Integrations
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Quant Time: Dec 19 15:44:40 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	97789	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	377311	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	206146	20.00	ng	-0.02
64) Phenanthrene-d10	16.90	188	461213	20.00	ng	-0.02
76) Chrysene-d12	21.13	240	542740	20.00	ng	-0.01
87) Perylene-d12	23.29	264	594297	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	253314	43.27	ng	0.00
7) Phenol-d6	6.69	99	329980	40.56	ng	-0.02
23) Nitrobenzene-d5	8.65	82	206892	28.13	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	111138	36.73	ng	-0.01
45) 2-Fluorobiphenyl	12.75	172	329141	20.68	ng	-0.02
79) Terphenyl-d14	19.56	244	494895	20.62	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.72	94	27601	3.203	ng	95
31) Naphthalene	10.30	128	39801	2.157	ng	# 89
50) Dimethylphthalate	13.62	163	63245	3.690	ng	# 98
71) Phenanthrene	16.95	178	242107	9.664	ng	100
72) Anthracene	17.04	178	111350	4.480	ng	98
75) Fluoranthene	18.98	202	824521	28.308	ng	100
78) Pyrene	19.35	202	784801	24.268	ng	100
81) Benzo(a)anthracene	21.12	228	1055234	33.284	ng	97
83) Chrysene	21.17	228	897016	29.415	ng	97
86) Indeno(1,2,3-cd)pyrene	25.43	276	1640624	54.010	ng	95
88) Benzo(b)fluoranthene	22.66	252	2076769m	62.210	ng	
89) Benzo(k)fluoranthene	22.69	252	815638m	24.533	ng	
90) Benzo(a)pyrene	23.20	252	2024098	63.750	ng	97
91) Dibenzo(a,h)anthracene	25.43	278	561148	19.079	ng	# 90
92) Benzo(a,h,i)perylene	26.08	276	1568379	56.413	ng	98

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

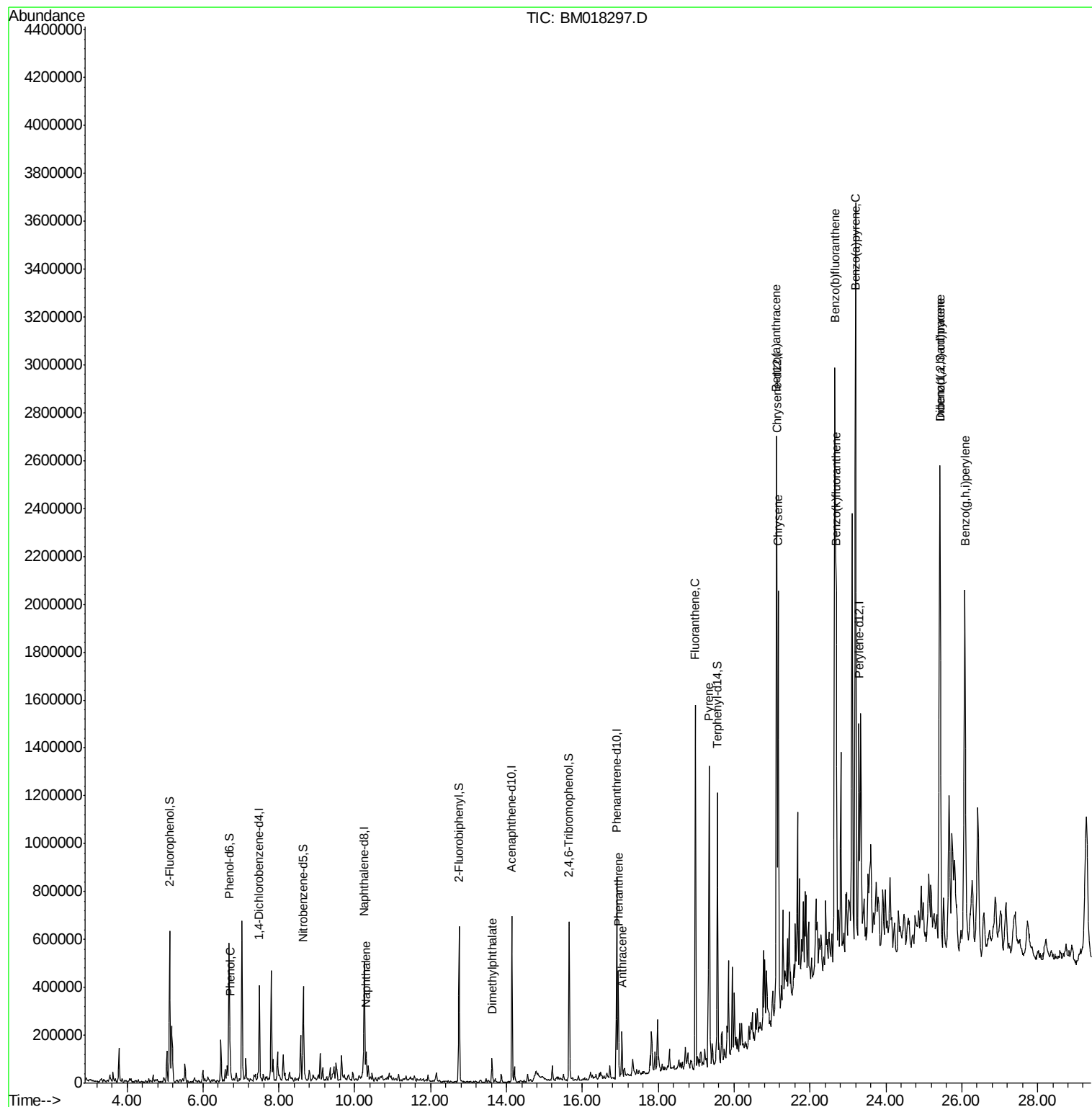
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
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ALS Vial : 9 Sample Multiplier: 1

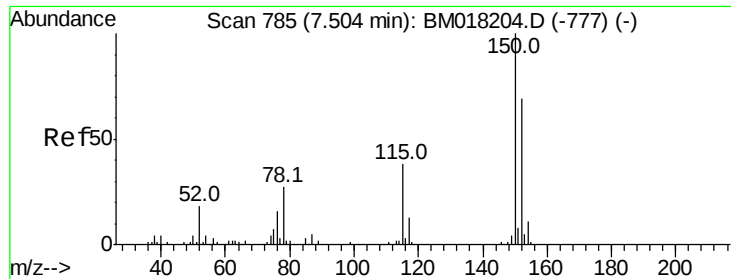
Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

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Quant Time: Dec 19 15:44:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

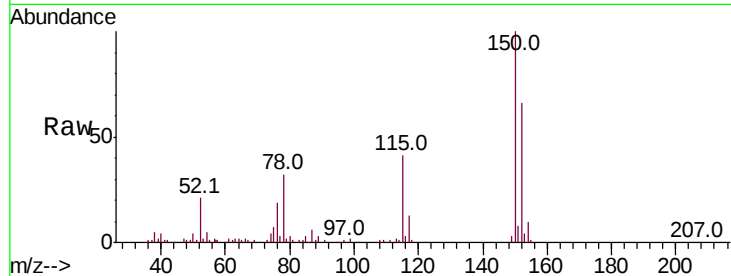
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	116.1	174.1
115	61.5	44.6	67.0

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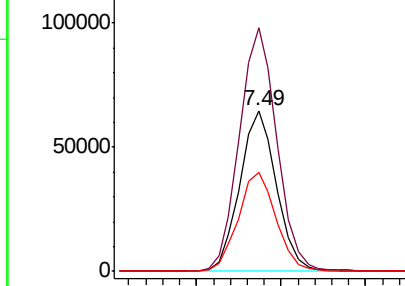


Abundance

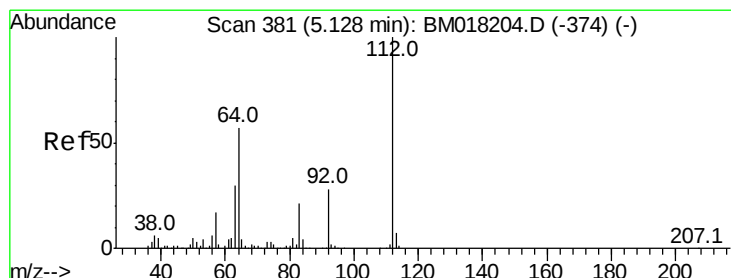
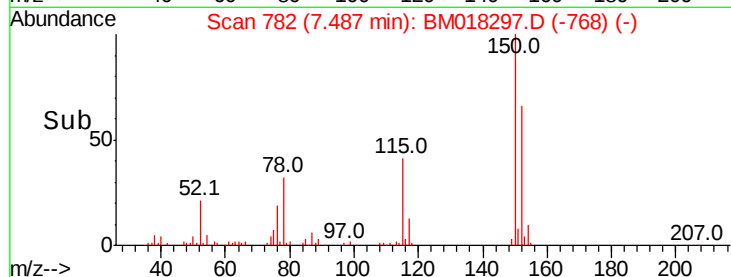
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



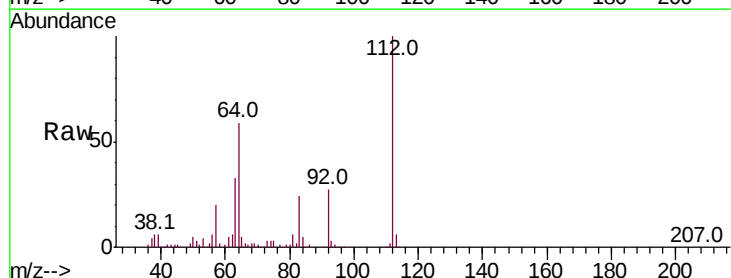
Time-->



#5

2-Fluorophenol
Concen: 43.272 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.2
63	33.1	24.0	36.0

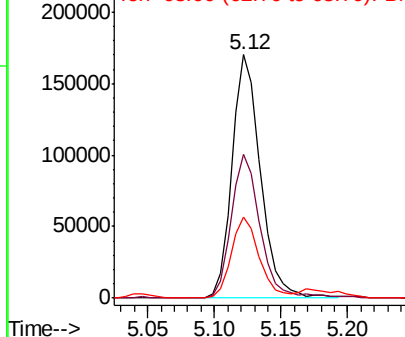


Abundance

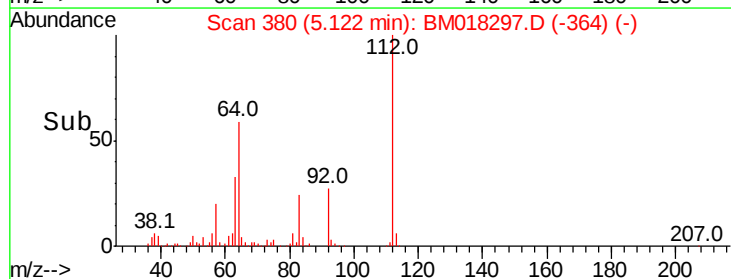
Ion 112.00 (111.70 to 112.70): E

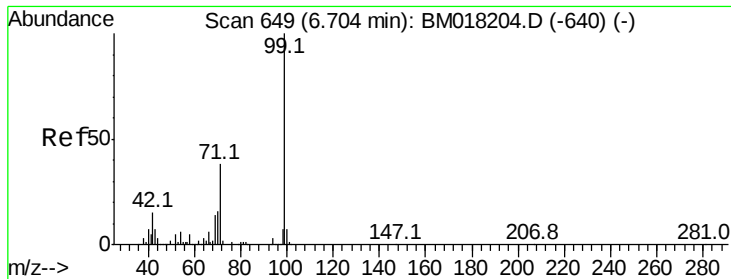
Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 40.556 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

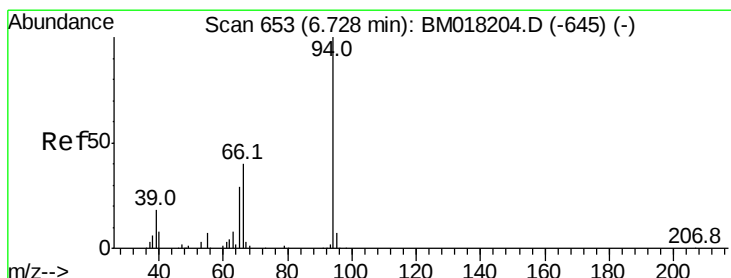
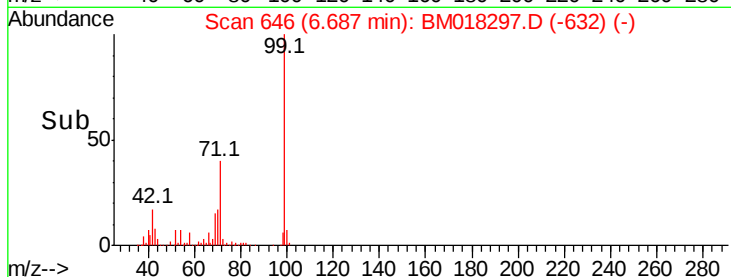
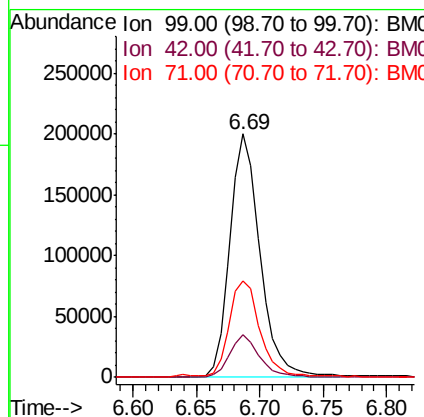
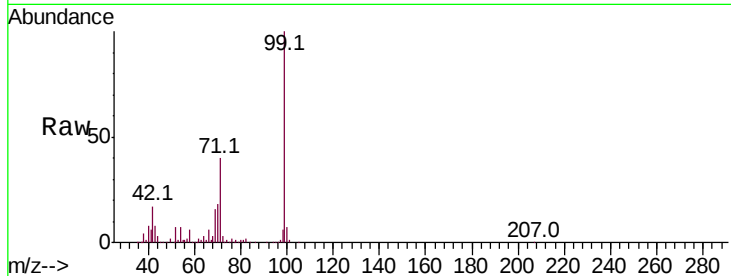
ClientSampleId :

065_SW-W-1

Tot Ion:	99	Resp:	329980
Ion Ratio	Lower	Upper	
99	100		
42	17.3	12.3	18.5
71	39.9	30.2	45.2

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#10

Phenol

Concen: 3.203 ng

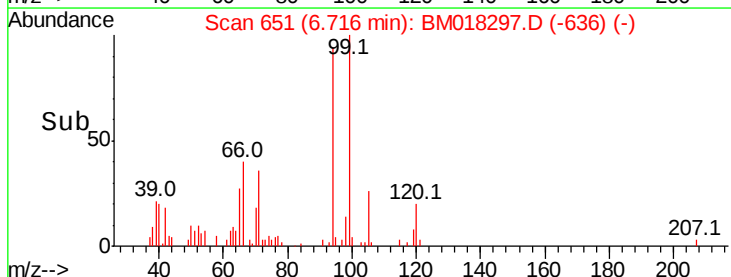
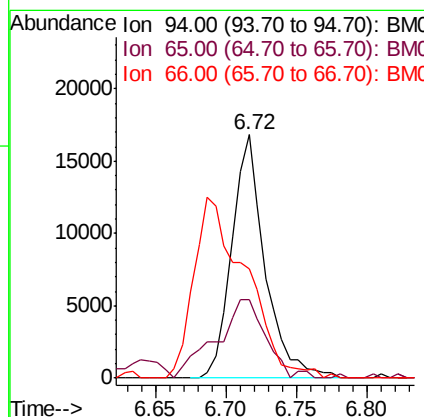
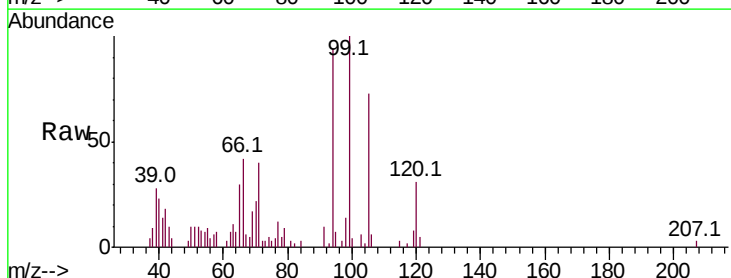
RT: 6.72 min Scan# 651

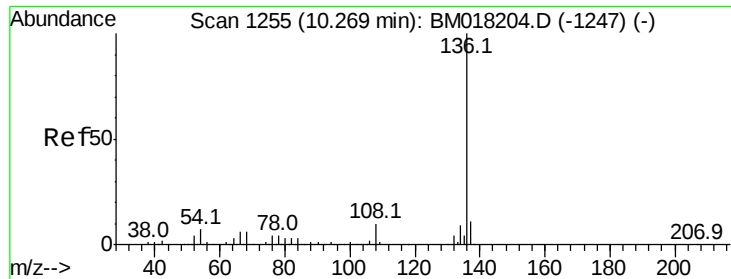
Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion:	94	Resp:	27601
Ion Ratio	Lower	Upper	
94	100		
65	32.1	9.5	49.5
66	44.9	21.3	61.3





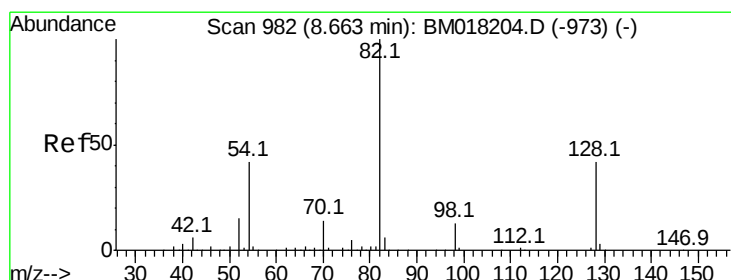
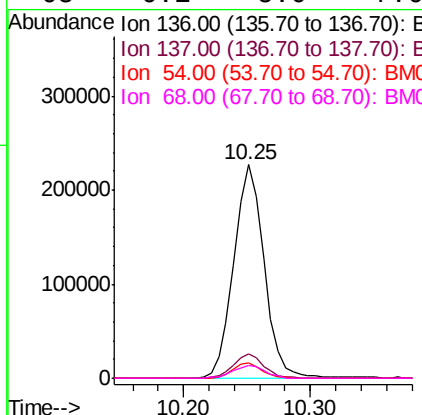
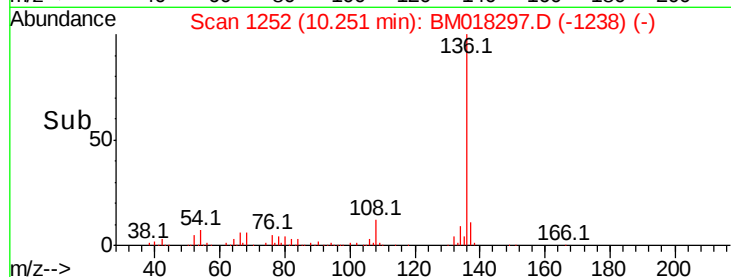
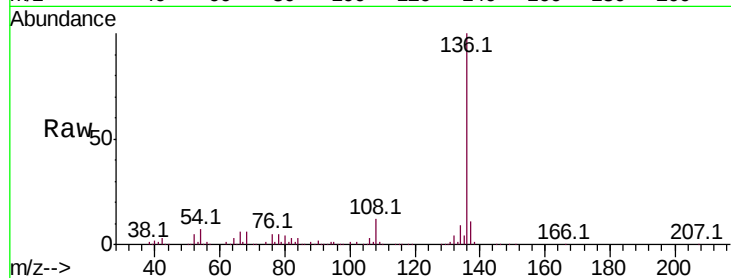
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.2	13.8	
54	6.9	5.2	7.8	
68	6.1	5.0	7.6	

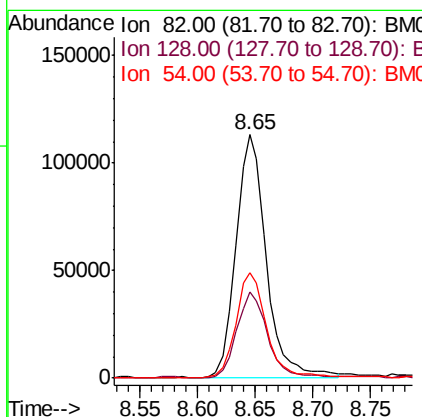
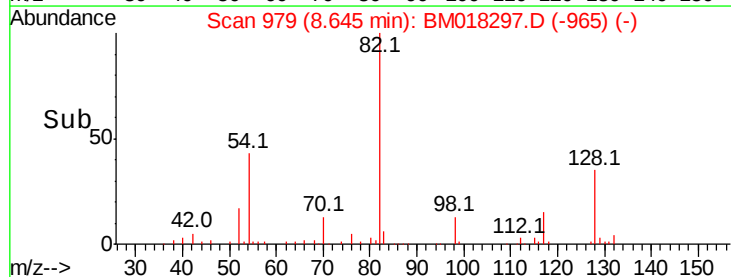
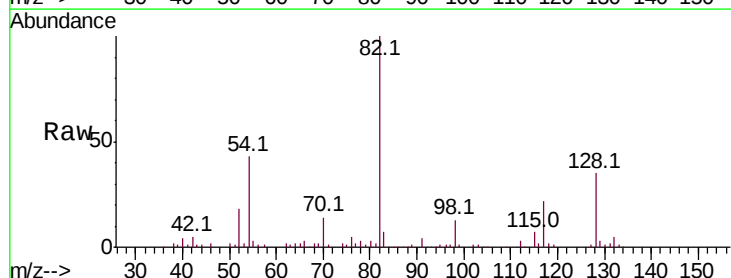
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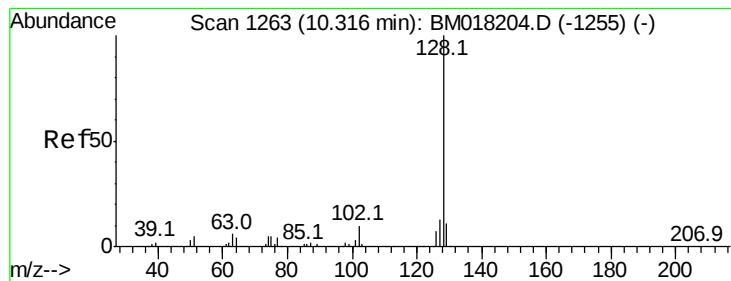
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#23
Nitrobenzene-d5
Concen: 28.126 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.5	33.4	50.2	
54	43.3	33.4	50.2	





#31

Naphthalene

Concen: 2.157 ng

RT: 10.30 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

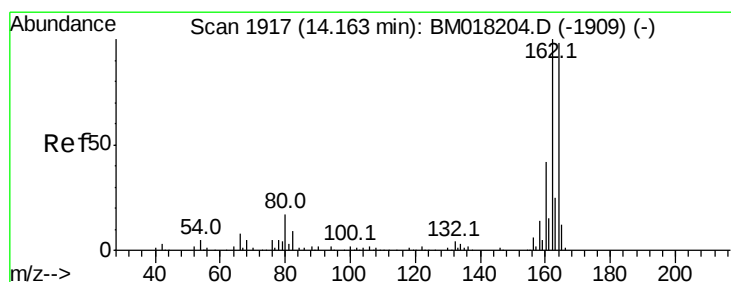
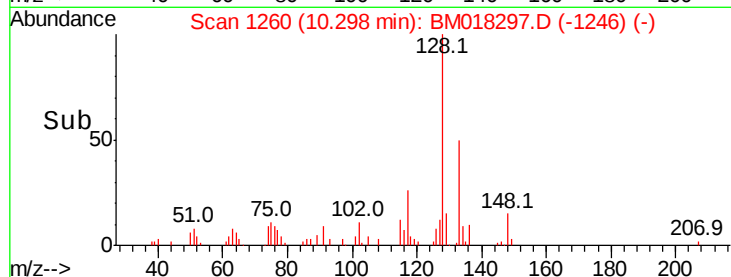
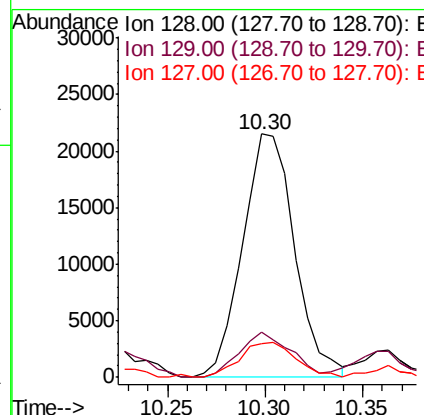
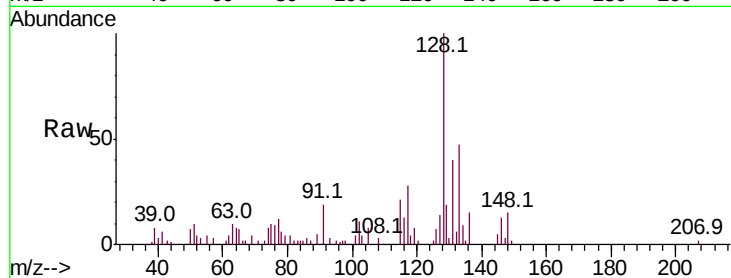
ClientSampleId :

065_SW-W-1

Tot Ion:	128	Resp:	39801
Ion Ratio	Lower	Upper	
128	100		
129	18.8	8.9	13.3#
127	14.0	10.4	15.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

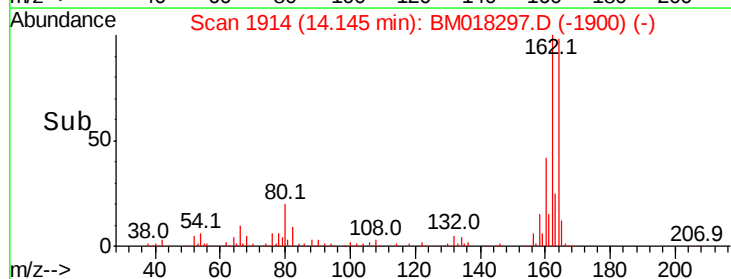
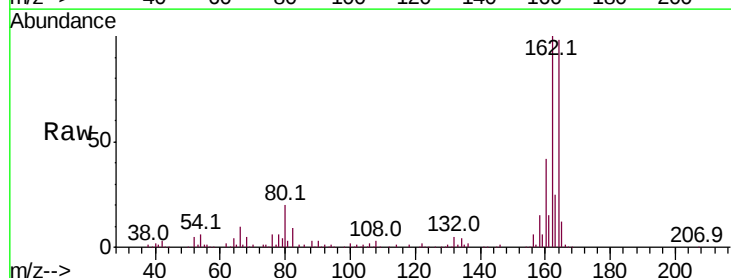
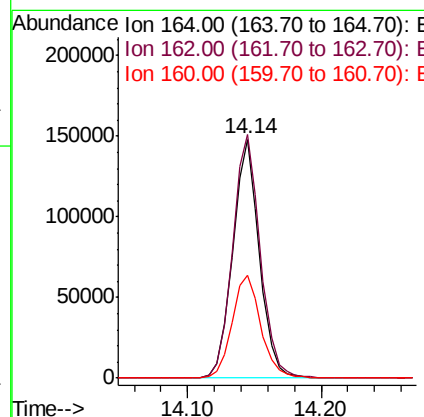
RT: 14.14 min Scan# 1914

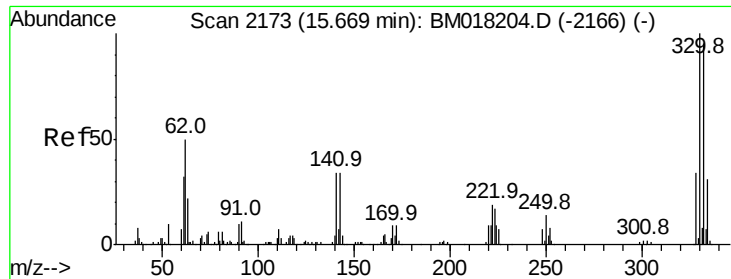
Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion:	164	Resp:	206146
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.8	122.6
160	43.0	34.6	51.8





#42

2,4,6-Tribromophenol

Concen: 36.732 ng

RT: 15.66 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

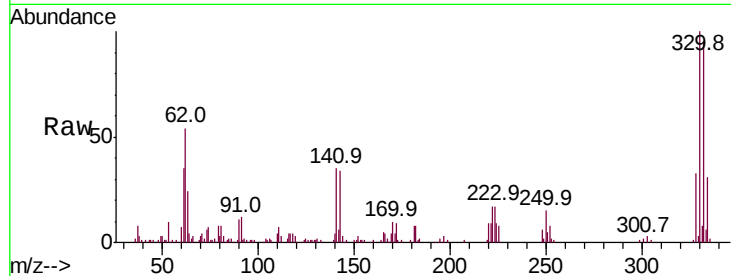
ClientSampleId :

065_SW-W-1

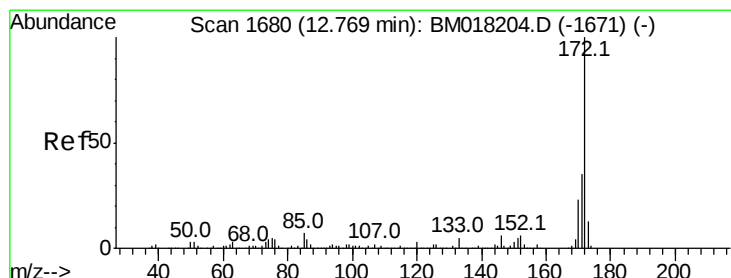
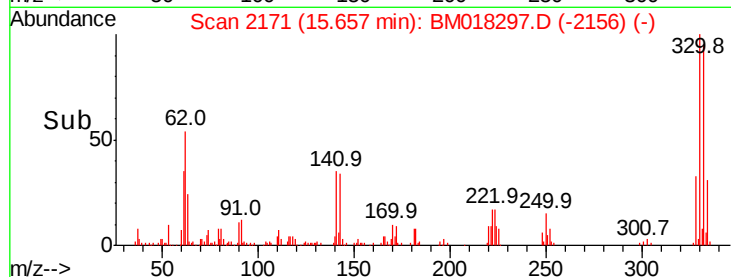
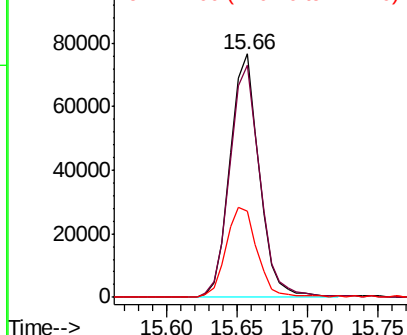
Tot Ion:	330	Resp:	111138
Ion Ratio	Lower	Upper	
330	100		
332	98.4	78.6	118.0
141	39.5	27.1	40.7

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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: 20.680 ng

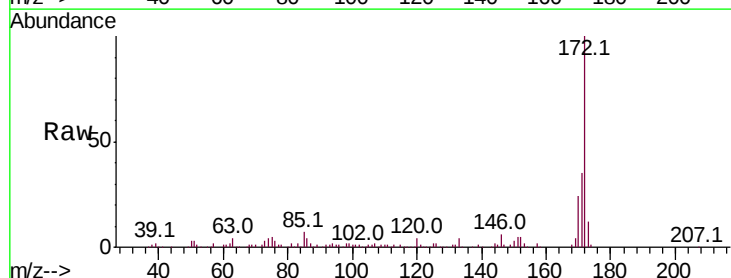
RT: 12.75 min Scan# 1677

Delta R.T. -0.02 min

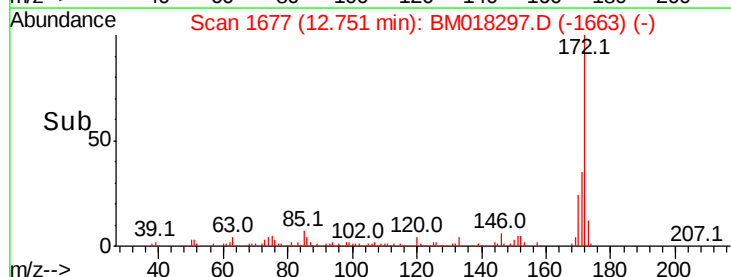
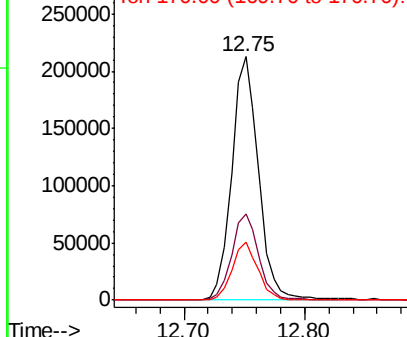
Lab File: BM018297.D

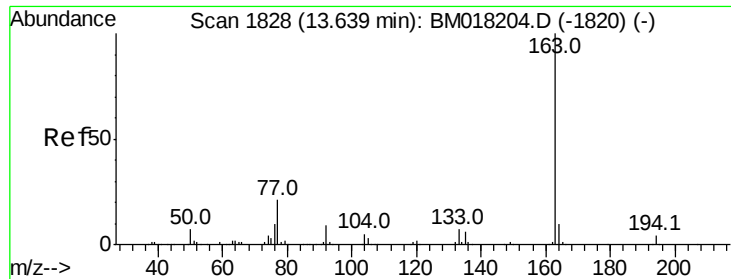
Acq: 19 Dec 2018 14:31

Tgt Ion:	172	Resp:	329141
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.3	42.5
170	24.0	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





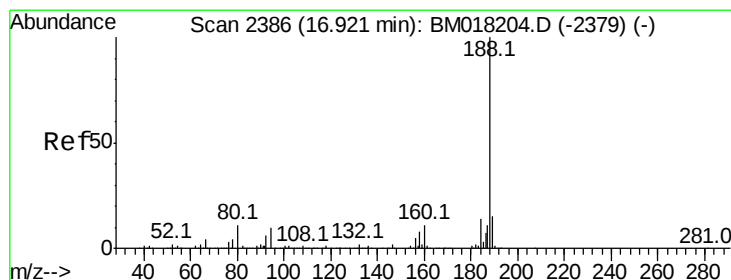
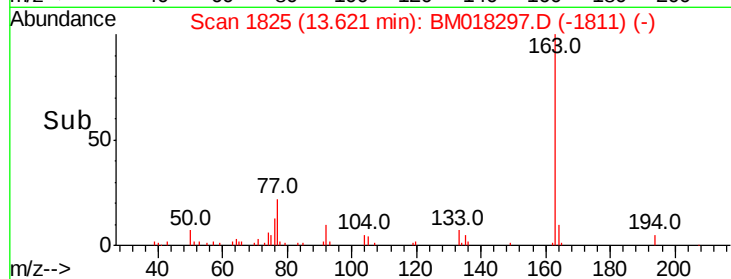
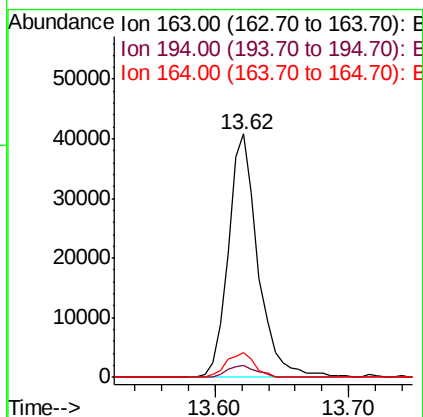
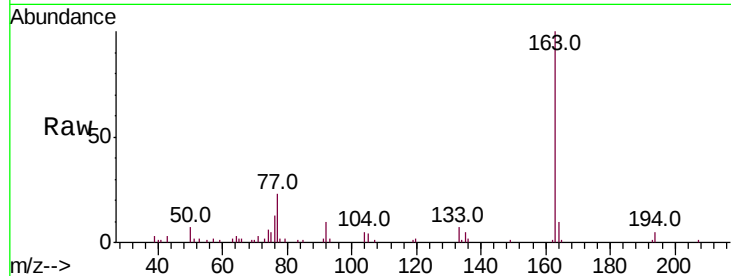
#50
Dimethylphthalate
Concen: 3.690 ng
RT: 13.62 min Scan# 1825
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampled :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.1	4.7#
164	10.1	7.9	11.9

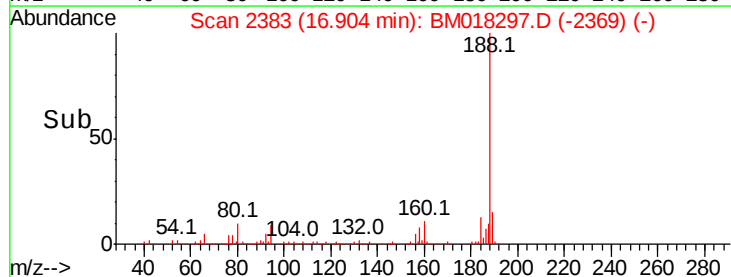
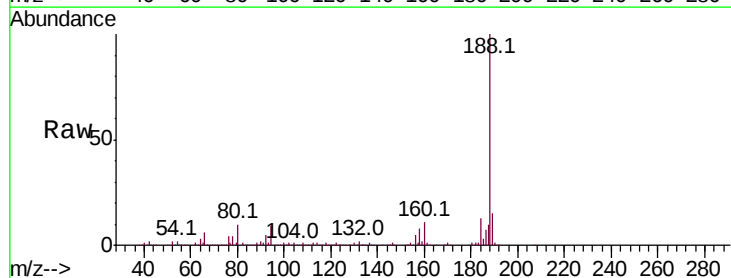
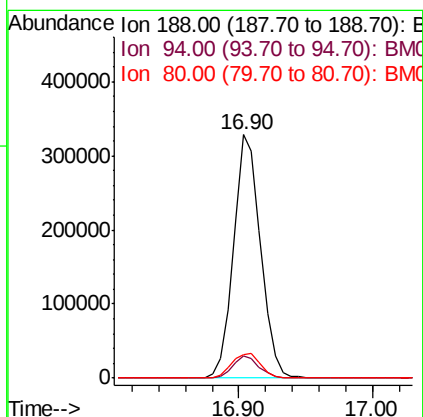
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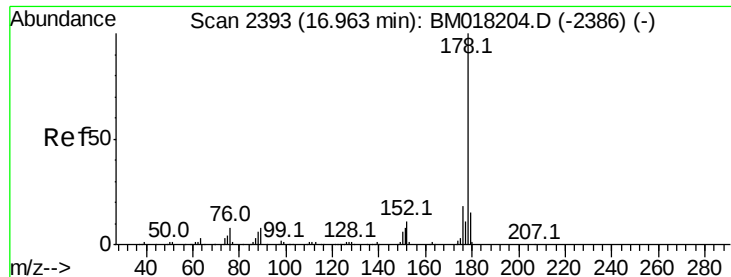
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.90 min Scan# 2383
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.8	9.0	13.6





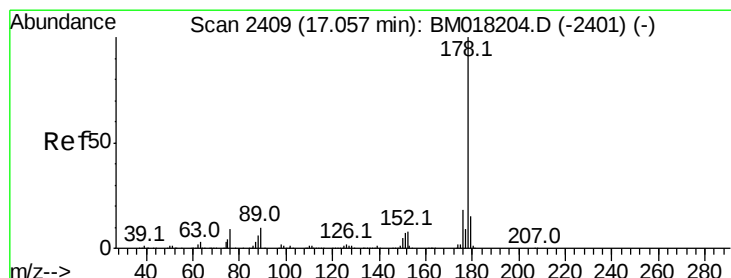
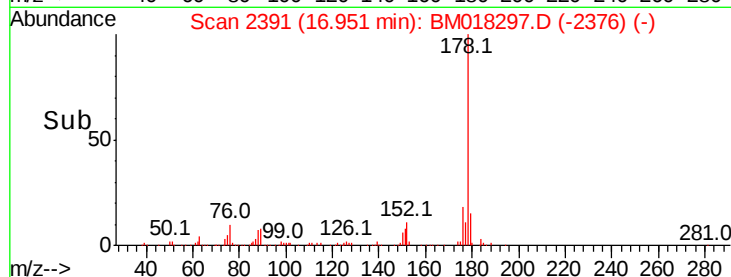
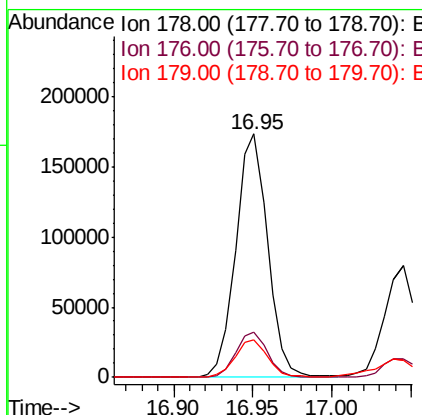
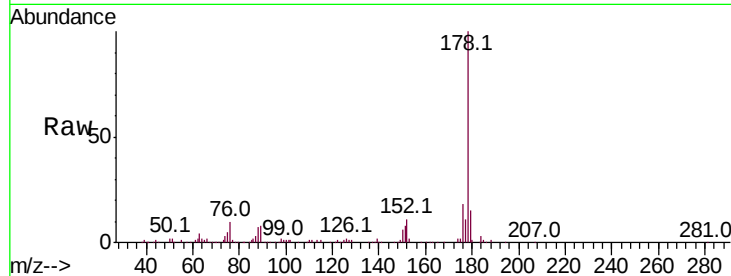
#71
Phenanthrene
Concen: 9.664 ng
RT: 16.95 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.0	18.0

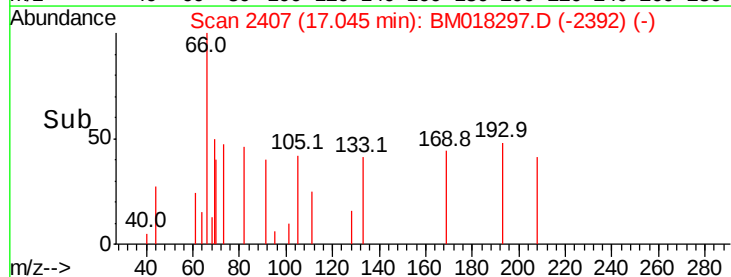
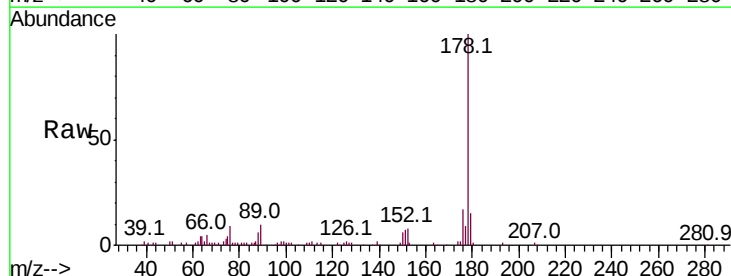
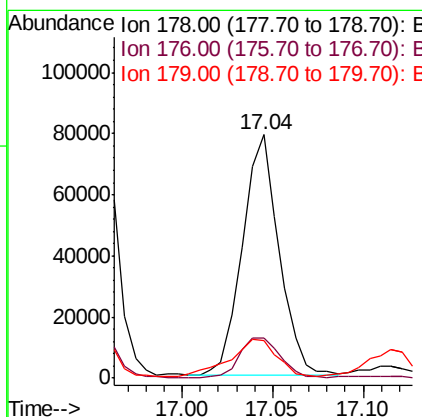
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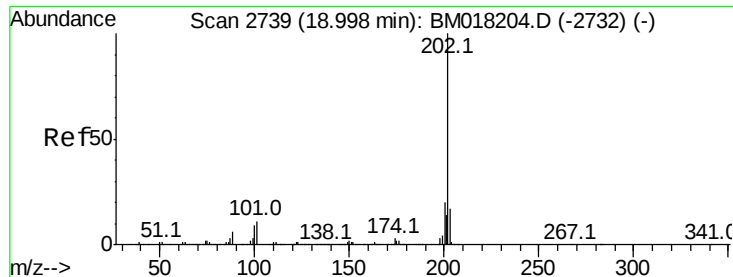
Sohil
12/20/2018 2:55:06 PM



#72
Anthracene
Concen: 4.480 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.3	21.5
179	15.3	12.0	18.0





#75

Fluoranthene

Concen: 28.308 ng

RT: 18.98 min Scan# 2736

Delta R.T. -0.02 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

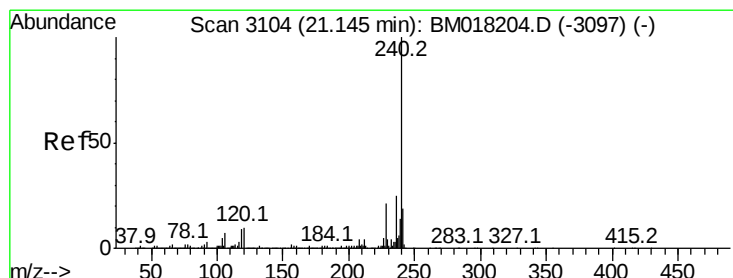
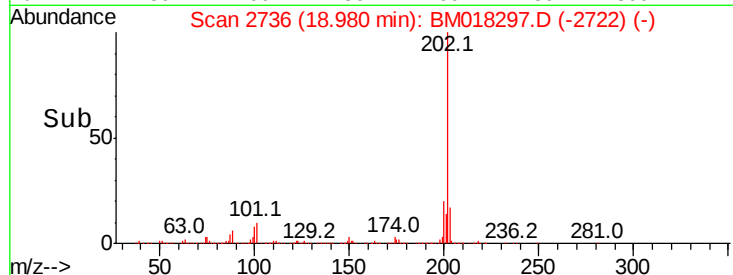
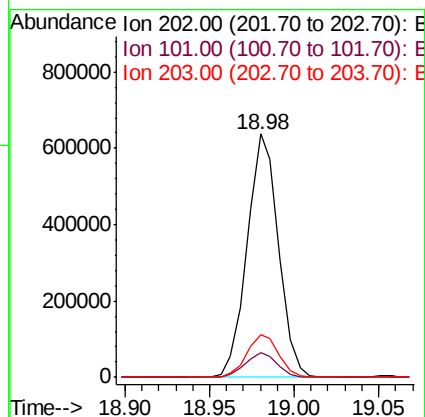
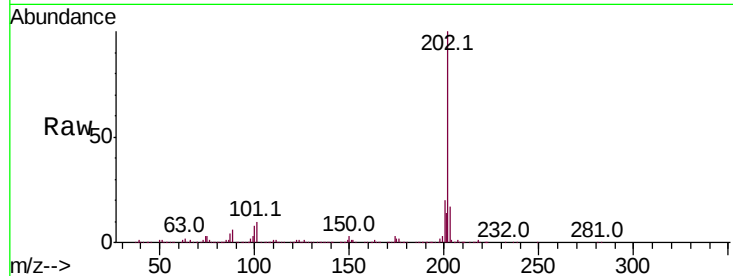
ClientSampleId :

065_SW-W-1

Tot Ion:	202	Resp:	824521
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	30.5
203	17.5	0.0	37.5

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

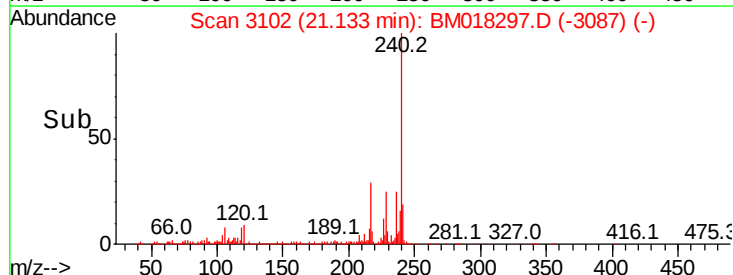
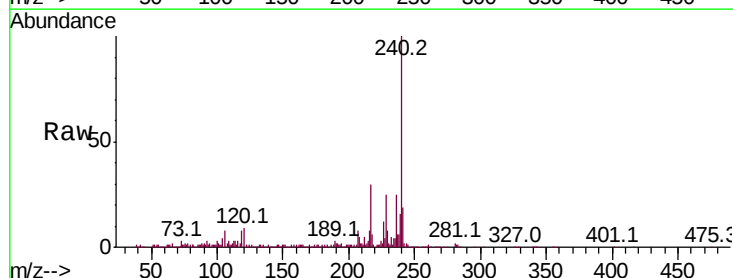
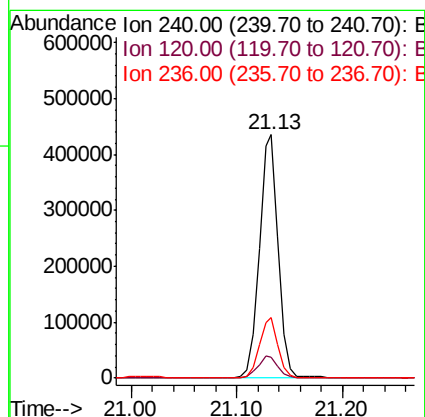
RT: 21.13 min Scan# 3102

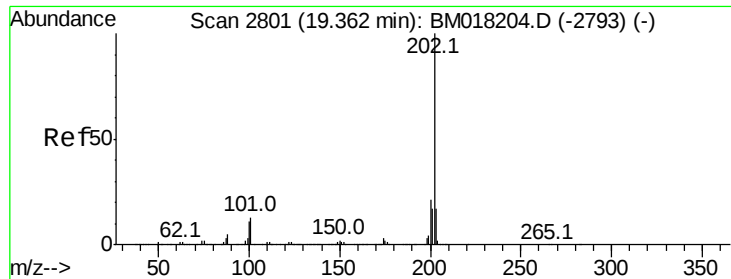
Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion:	240	Resp:	542740
Ion Ratio	Lower	Upper	
240	100		
120	8.7	8.2	12.2
236	24.9	20.3	30.5





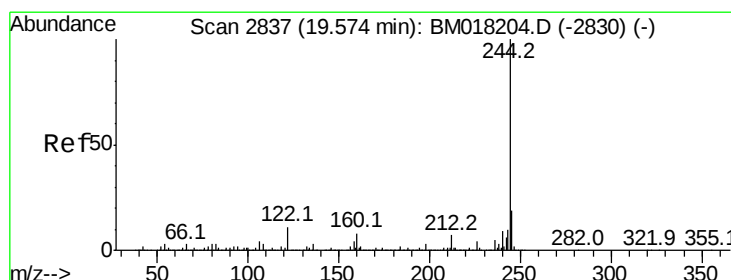
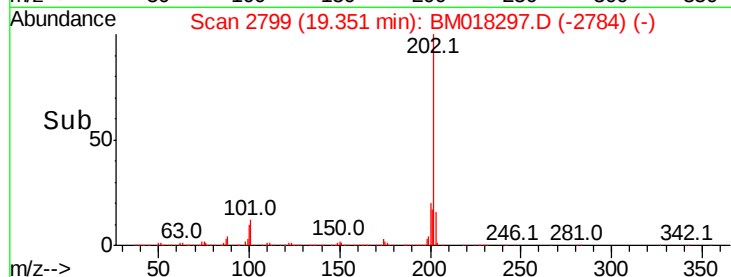
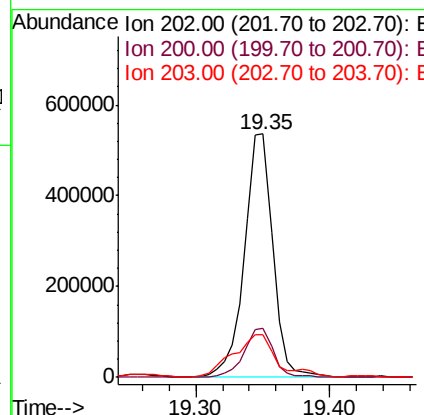
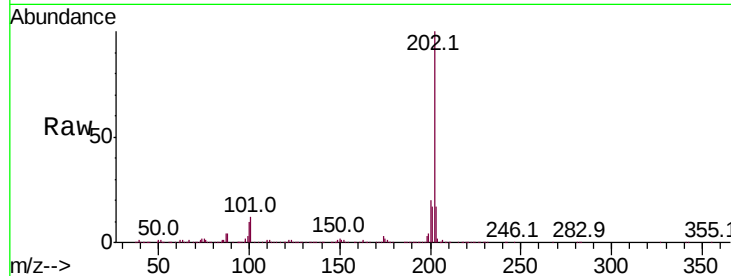
#78
Pvrene
Concen: 24.268 ng
RT: 19.35 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.4	14.0	21.0

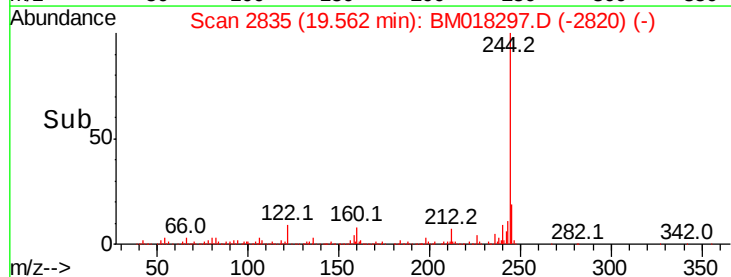
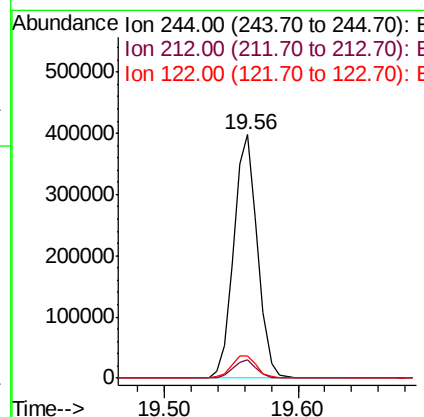
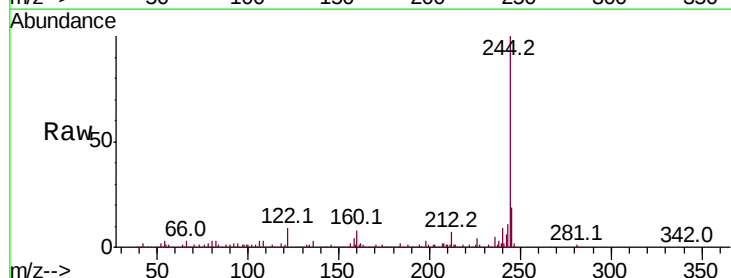
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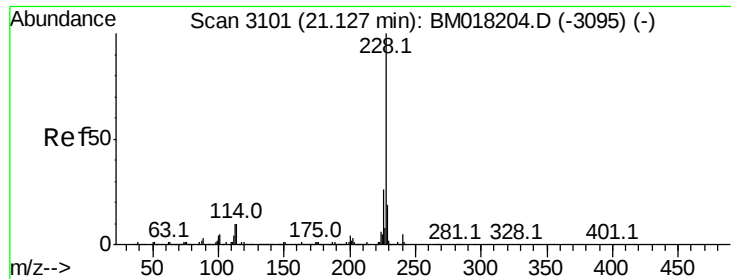
Sohil
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#79
Terphenyl-d14
Concen: 20.623 ng
RT: 19.56 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.1	9.0	13.6





#81

Benzo(a)anthracene

Concen: 33.284 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Instrument :

BNA_M

ClientSampleId :

065_SW-W-1

Tot Ion:228 Resp: 1055234

Ion Ratio Lower Upper

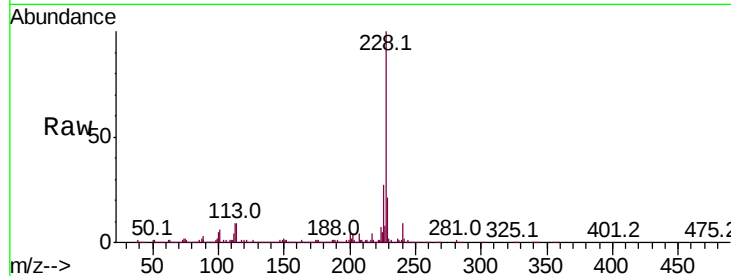
228 100

226 27.4 21.0 31.4

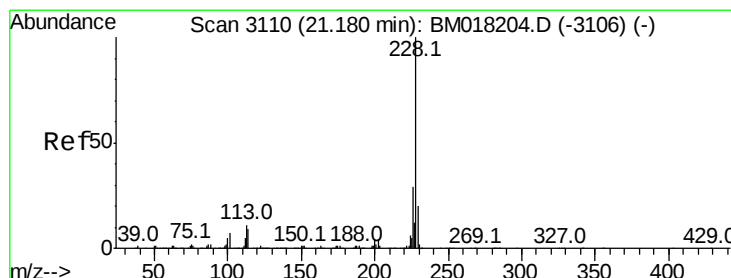
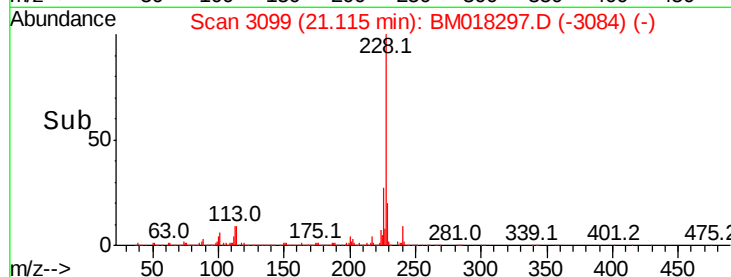
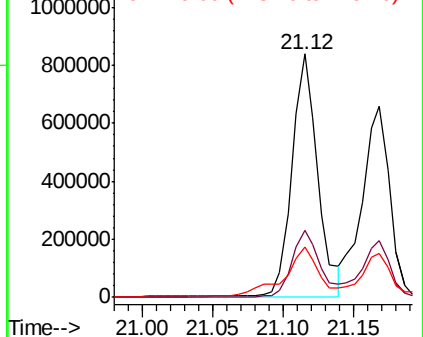
229 20.7 15.5 23.3

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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: 29.415 ng

RT: 21.17 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM018297.D

Acq: 19 Dec 2018 14:31

Tgt Ion:228 Resp: 897016

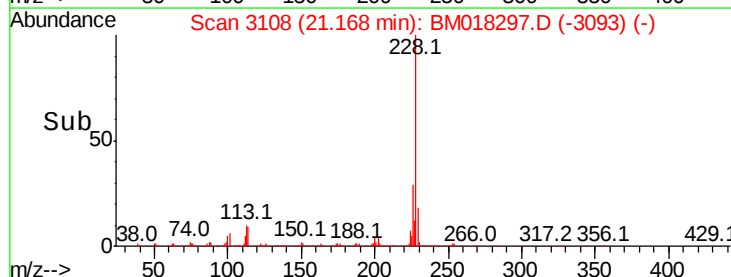
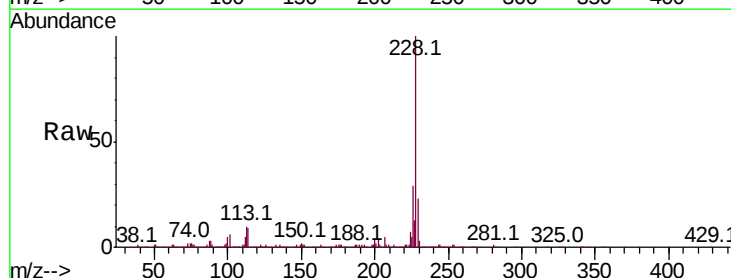
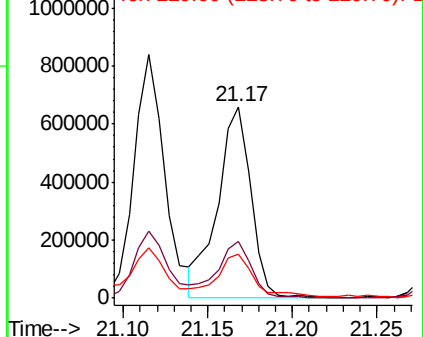
Ion Ratio Lower Upper

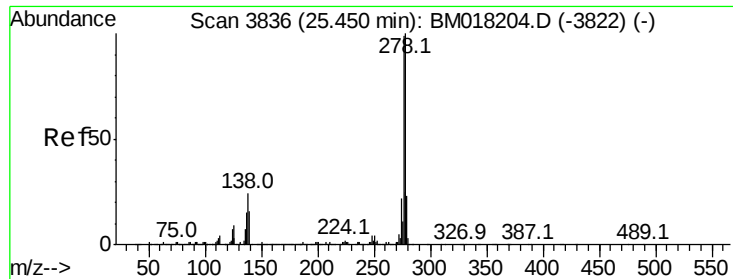
228 100

226 29.4 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





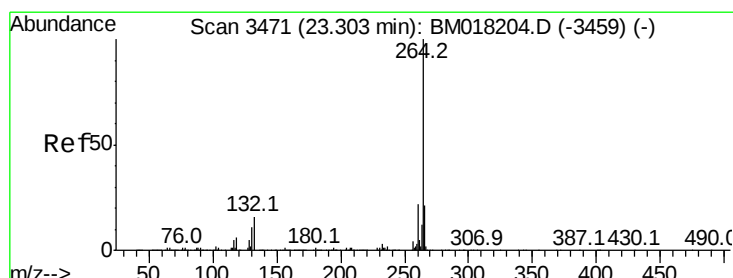
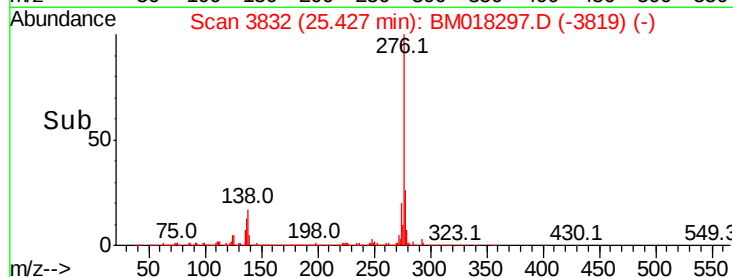
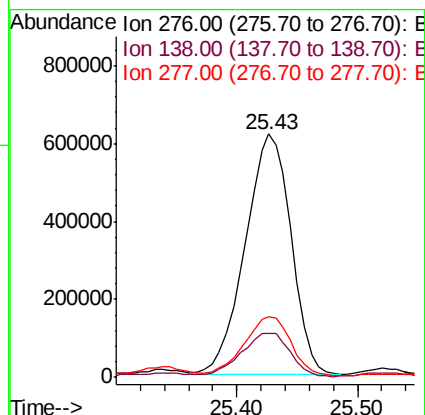
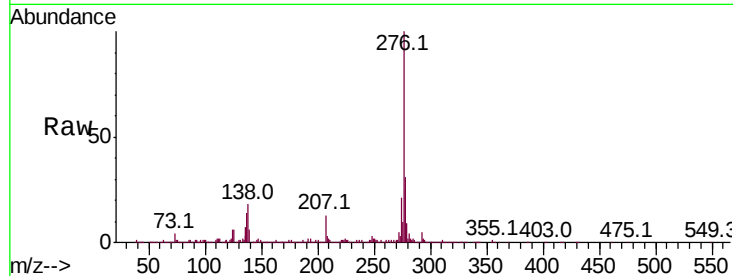
#86
Indeno(1,2,3-cd)pyrene
Concen: 54.010 ng
RT: 25.43 min Scan# 3832
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	18.6	28.0
277	24.8	20.3	30.5

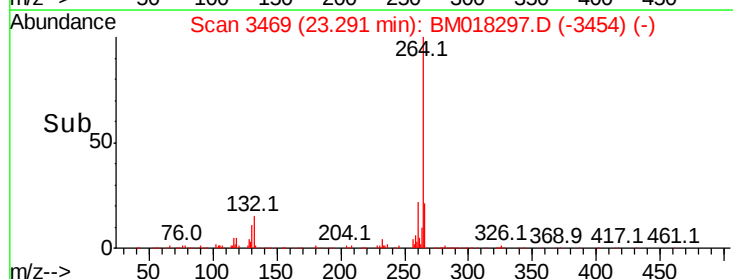
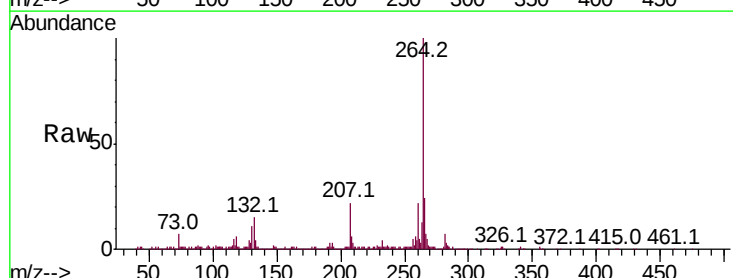
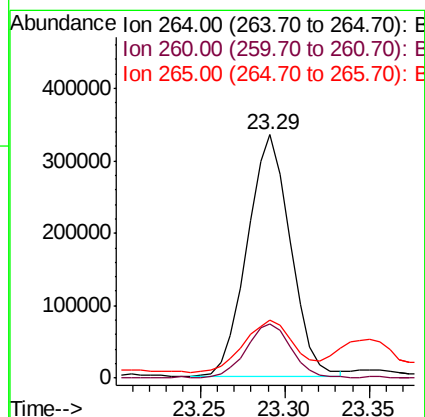
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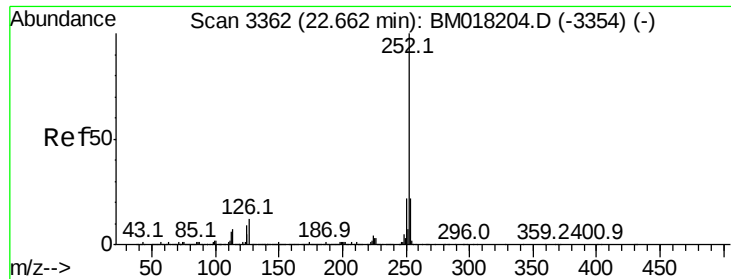
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.5	26.3
265	23.8	17.3	25.9





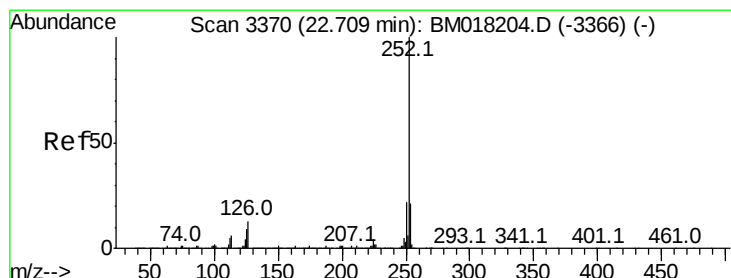
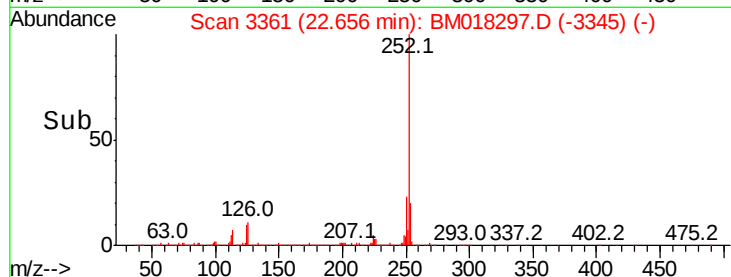
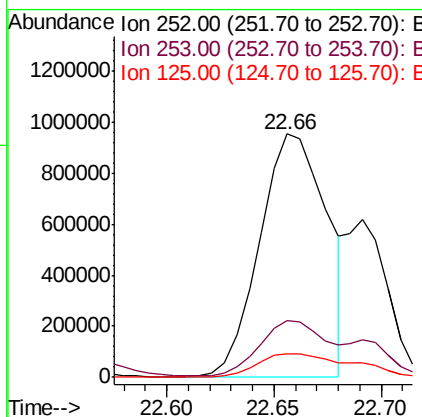
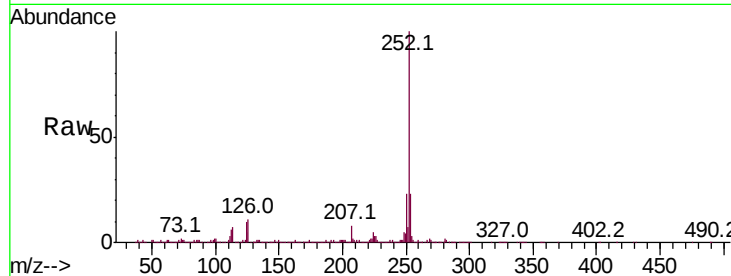
#88
Benzo(b)fluoranthene
Concen: 62.210 ng m
RT: 22.66 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	9.7	7.4	11.0

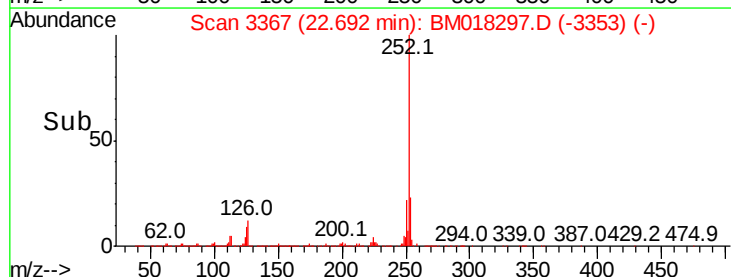
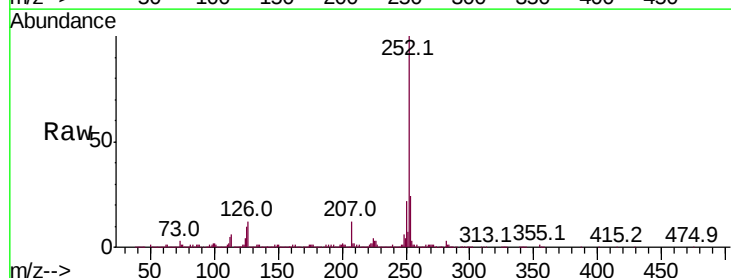
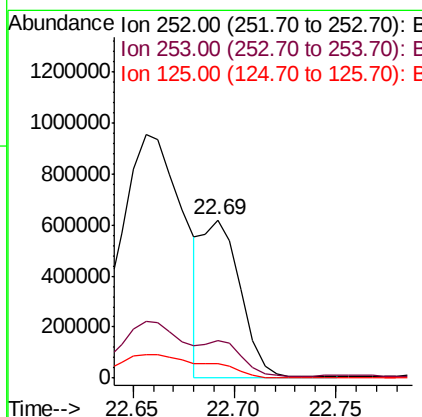
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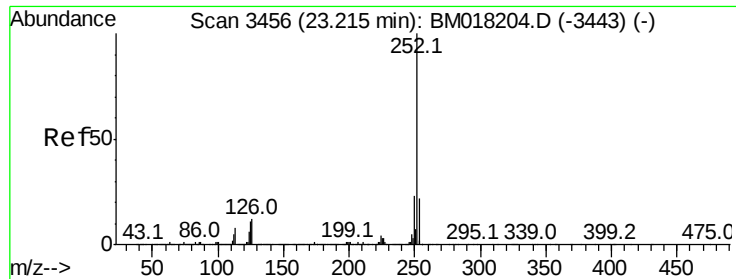
Sohil
12/20/2018 2:55:06 PM



#89
Benzo(k)fluoranthene
Concen: 24.533 ng m
RT: 22.69 min Scan# 3367
Delta R.T. -0.02 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.9	25.3
125	9.5	7.5	11.3





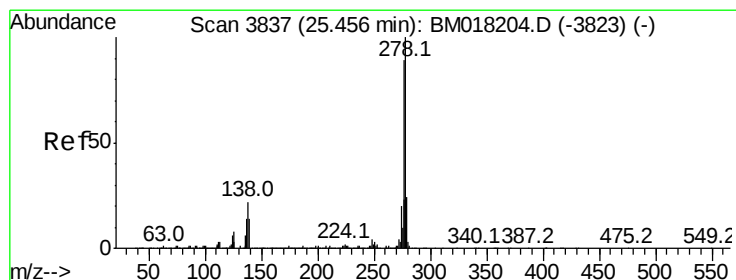
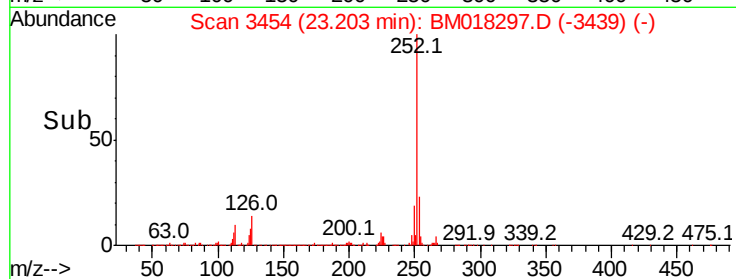
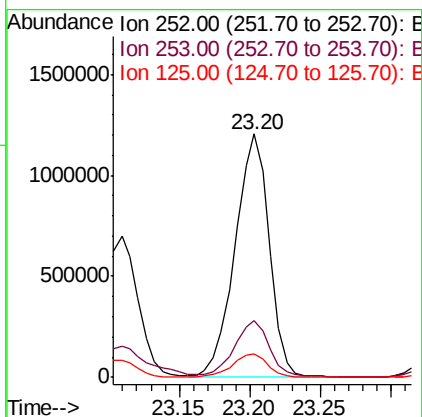
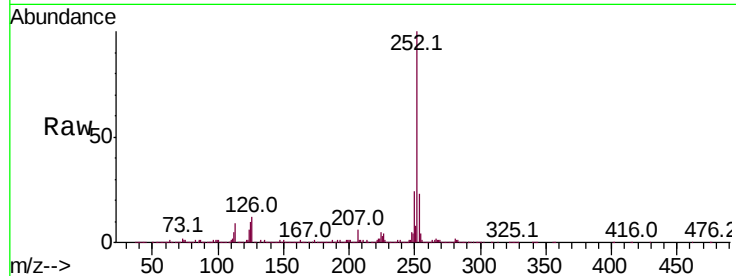
#90
Benzo(a)pyrene
Concen: 63.750 ng
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Instrument :
BNA_M
ClientSampleId :
065_SW-W-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	9.8	8.6	12.8

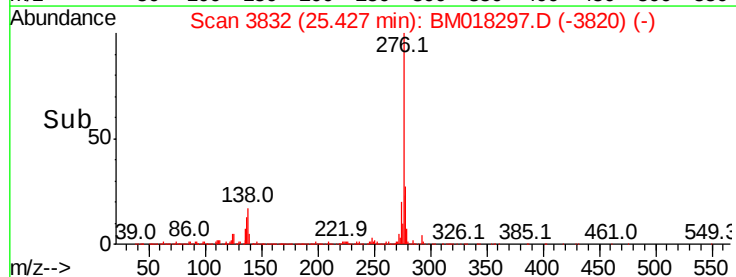
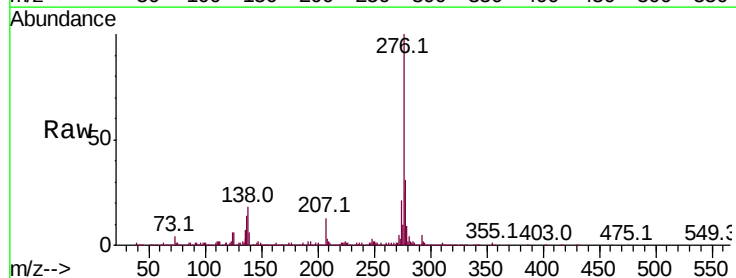
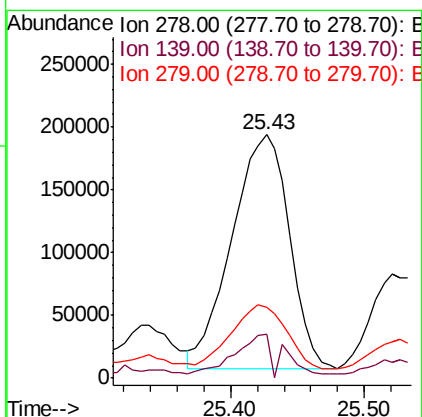
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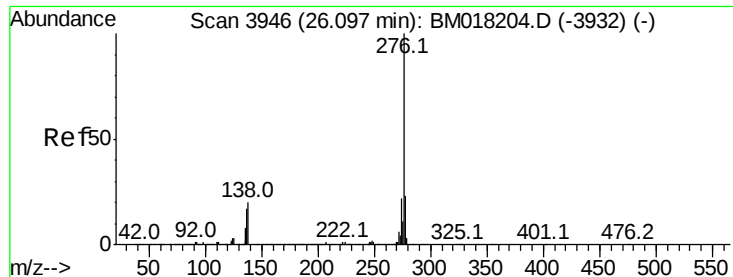
Sohil
12/20/2018 2:55:06 PM



#91
Dibenzo(a,h)anthracene
Concen: 19.079 ng
RT: 25.43 min Scan# 3832
Delta R.T. -0.03 min
Lab File: BM018297.D
Acq: 19 Dec 2018 14:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.6	17.4#
279	29.0	19.2	28.8#





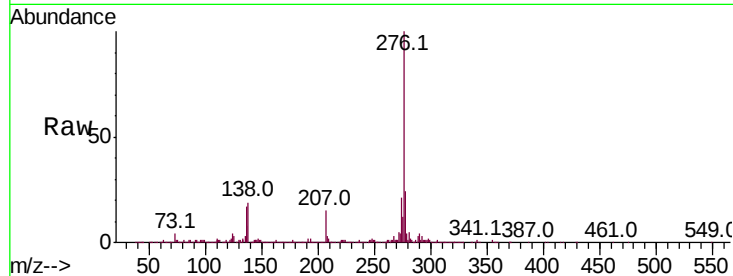
#92
 Benzo(a,h,i)perylene
 Concen: 56.413 ng
 RT: 26.08 min Scan# 3943
 Delta R.T. -0.02 min
 Lab File: BM018297.D
 Acq: 19 Dec 2018 14:31

Instrument :
 BNA_M
 ClientSampleId :
 065_SW-W-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	18.9	15.8	23.8

Manual Integrations
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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

