

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122118\
 Data File : BM018372.D
 Acq On : 22 Dec 2018 00:18
 Operator : JU/SJ
 Sample : J6520-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ROLLOFF-165

Manual Integrations
 APPROVED

Sohil
 12/26/2018 3:20:20 PM

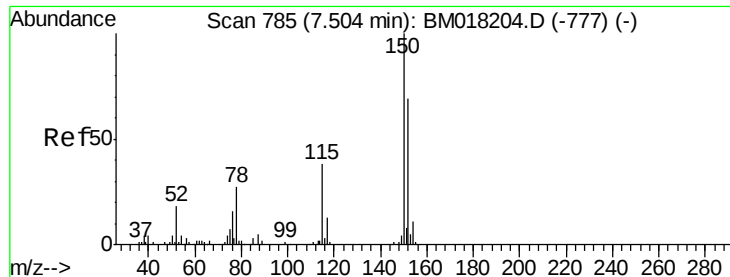
Quant Time: Dec 22 05:50:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	126158	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	482416	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	246347	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	440378	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	425854	20.00	ng	0.00
87) Perylene-d12	23.30	264	465989	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	765345	101.34	ng	0.00
7) Phenol-d6	6.70	99	1028364	97.97	ng	0.00
23) Nitrobenzene-d5	8.64	82	681166	72.43	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	267328	73.94	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	996528	52.40	ng	-0.02
79) Terphenyl-d14	19.57	244	852761	45.29	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.72	94	77775	6.996	ng	79
50) Dimethylphthalate	13.62	163	147787	7.216	ng	99
52) Acenaphthene	14.21	154	66069	4.398	ng	97
55) Dibenzofuran	14.55	168	48835	2.023	ng	96
58) Fluorene	15.21	166	82801	4.441	ng	97
71) Phenanthrene	16.96	178	1165087	48.707	ng	100
72) Anthracene	17.04	178	268378	11.309	ng	98
73) Carbazole	17.33	167	101089	4.150	ng	98
75) Fluoranthene	18.99	202	1782010	64.076	ng	99
78) Pyrene	19.36	202	1482552	58.427	ng	99
81) Benzo(a)anthracene	21.12	228	748890	30.105	ng	99
83) Chrysene	21.17	228	652288	27.261	ng	98
86) Indeno(1,2,3-cd)pyrene	25.45	276	491189	20.608	ng	# 94
88) Benzo(b)fluoranthene	22.67	252	960508	36.695	ng	99
89) Benzo(k)fluoranthene	22.70	252	322502m	12.371	ng	
90) Benzo(a)pyrene	23.21	252	713789	28.671	ng	97
91) Dibenzo(a,h)anthracene	25.44	278	117362	5.089	ng	# 91
92) Benzo(g,h,i)perylene	26.10	276	482491	22.133	ng	98

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



#1

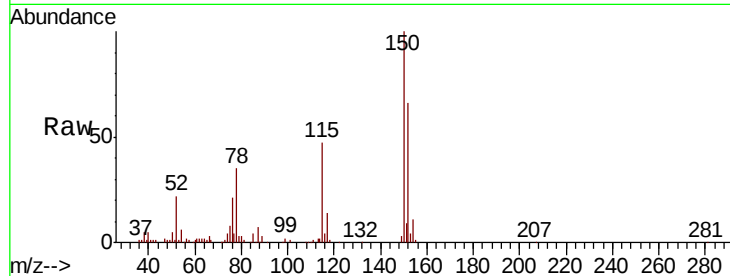
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	116.1	174.1
115	71.0	44.6	67.0

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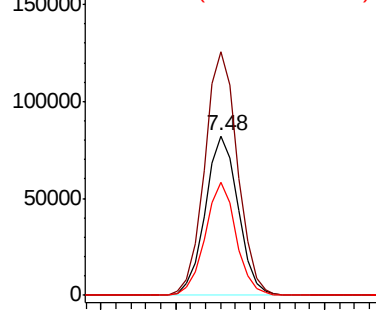


Abundance

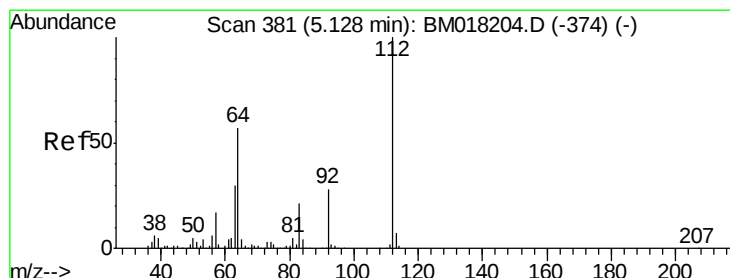
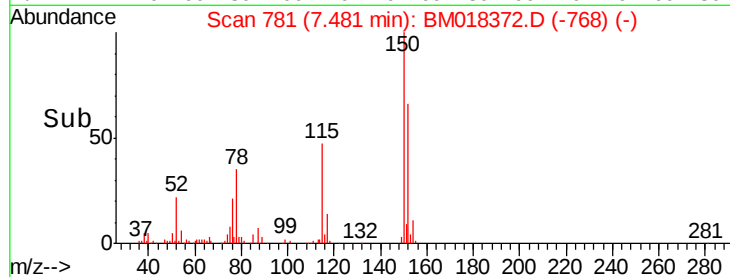
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



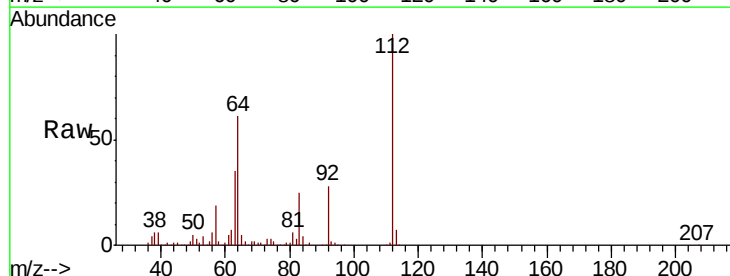
Time-->



#5

2-Fluorophenol
Concen: 101.341 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	45.4	68.2
63	35.1	24.0	36.0

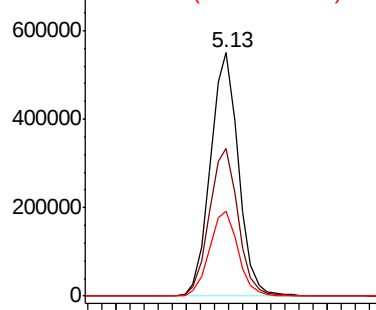


Abundance

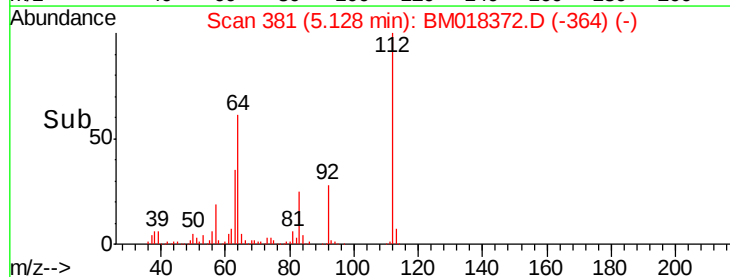
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 97.968 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

Instrument :

BNA_M

ClientSampleId :

ROLLOFF-165

Tot Ion: 99 Resp: 1028364

Ion Ratio Lower Upper

99 100

42 17.5 12.3 18.5

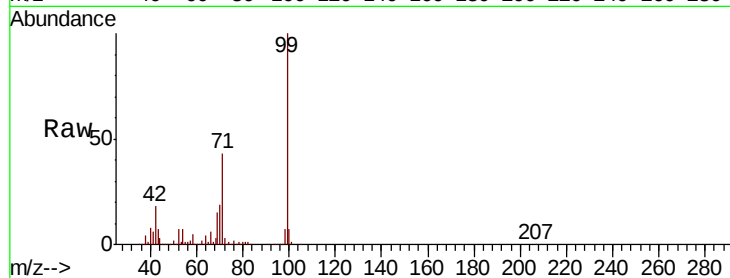
71 43.3 30.2 45.2

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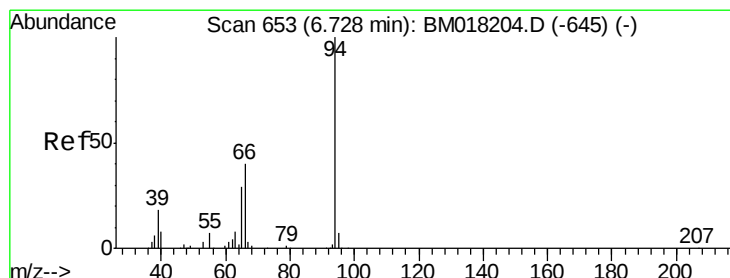
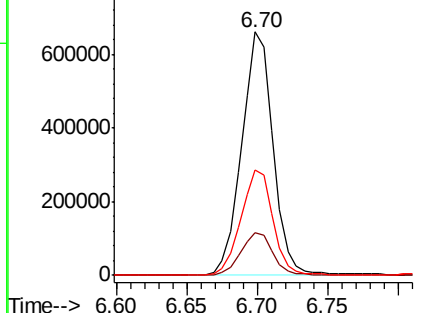
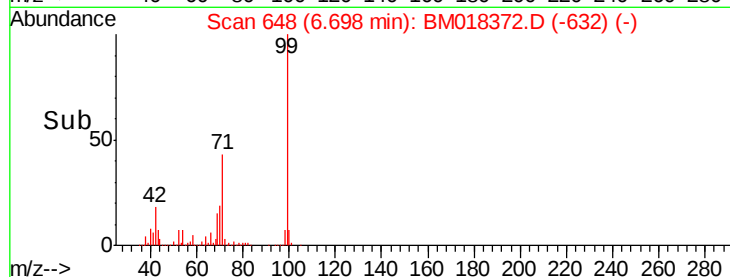


Abundance Ion 99.00 (98.70 to 99.70): BM018372.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018372.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018372.D (-632) (-)

Time--> 6.60 6.65 6.70 6.75



#10

Phenol

Concen: 6.996 ng

RT: 6.72 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

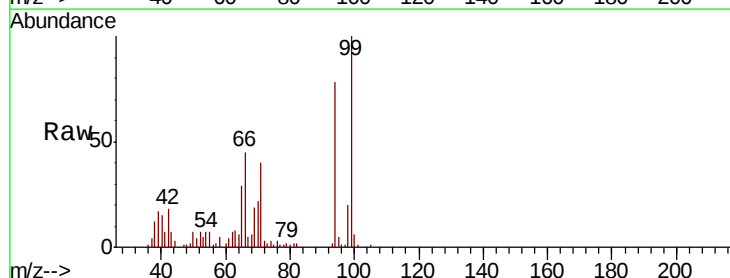
Tgt Ion: 94 Resp: 77775

Ion Ratio Lower Upper

94 100

65 37.3 9.5 49.5

66 57.1 21.3 61.3

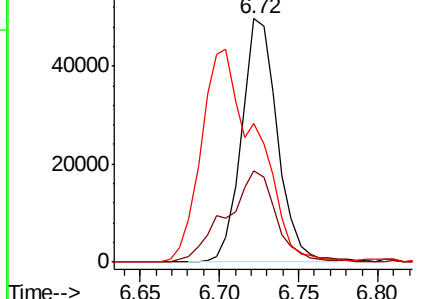
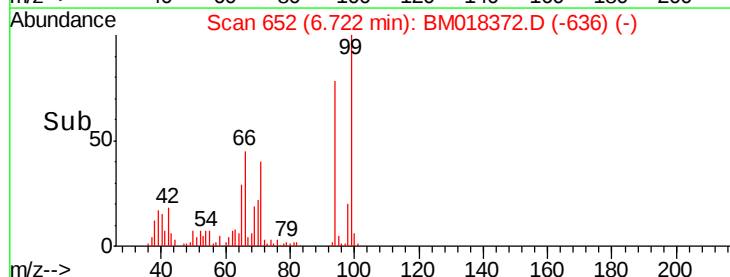


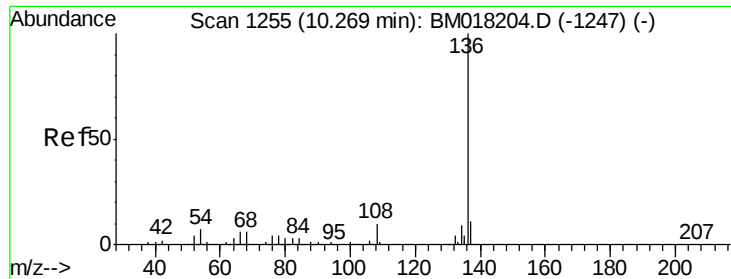
Abundance Ion 94.00 (93.70 to 94.70): BM018372.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018372.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018372.D (-636) (-)

Time--> 6.65 6.70 6.75 6.80





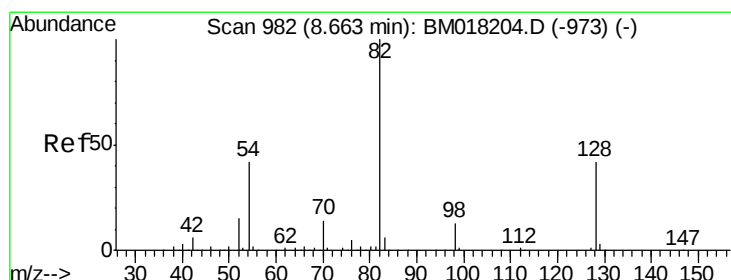
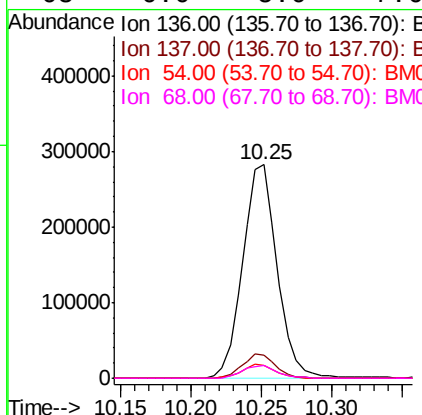
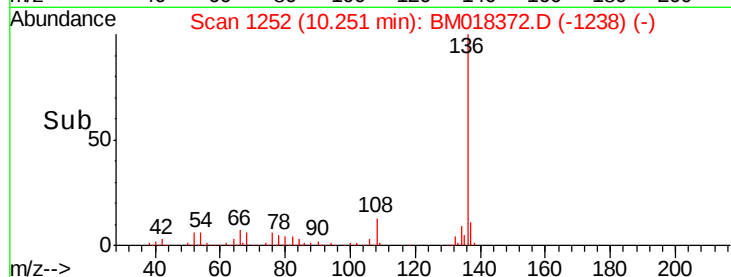
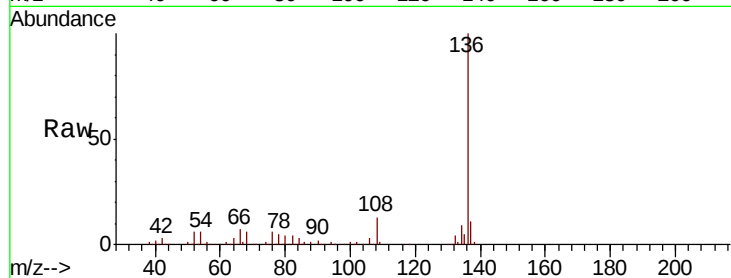
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion:	136	Resp:	482416
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	6.3	5.2	7.8
68	6.0	5.0	7.6

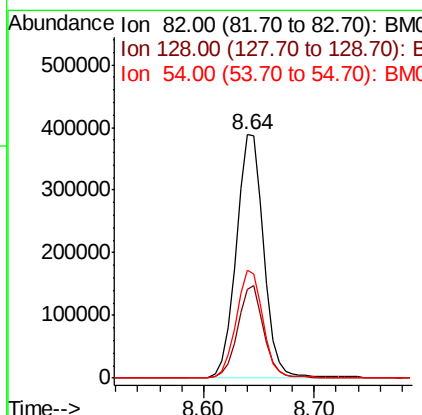
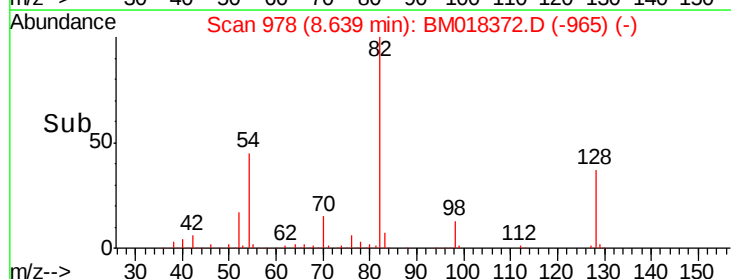
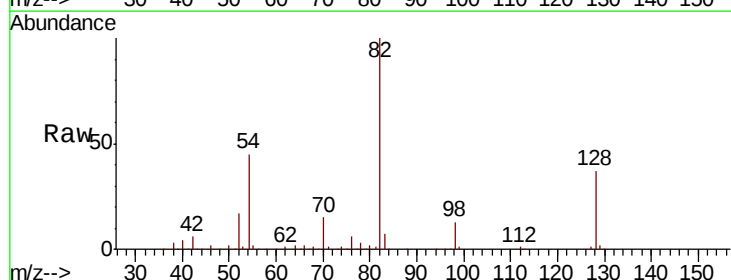
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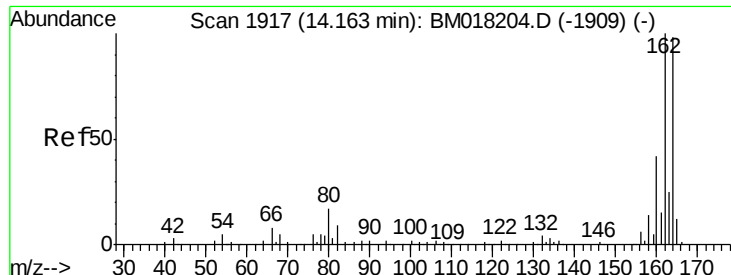
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#23
Nitrobenzene-d5
Concen: 72.426 ng
RT: 8.64 min Scan# 978
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion:	82	Resp:	681166
Ion Ratio	Lower	Upper	
82	100		
128	36.7	33.4	50.2
54	44.5	33.4	50.2





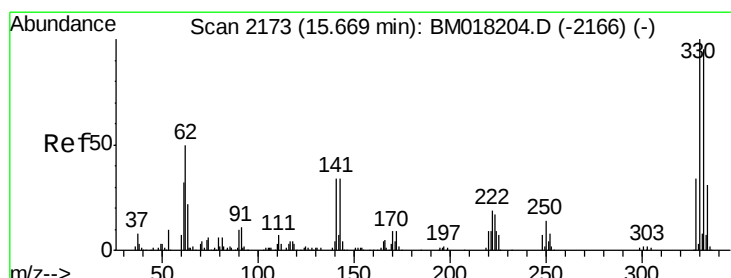
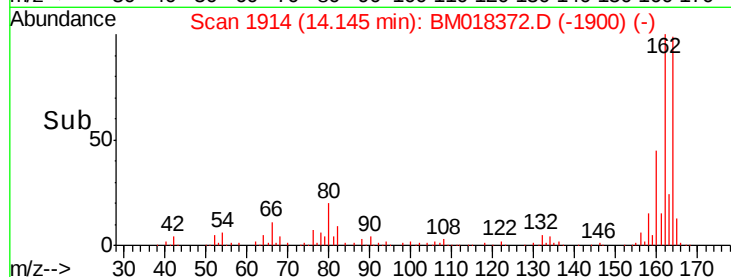
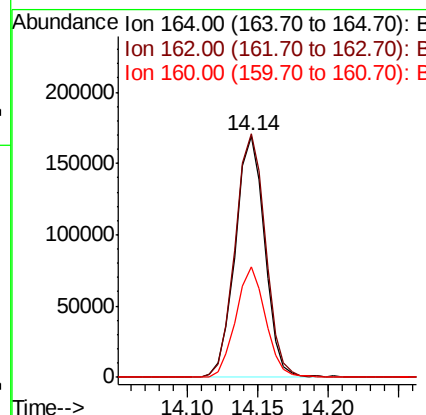
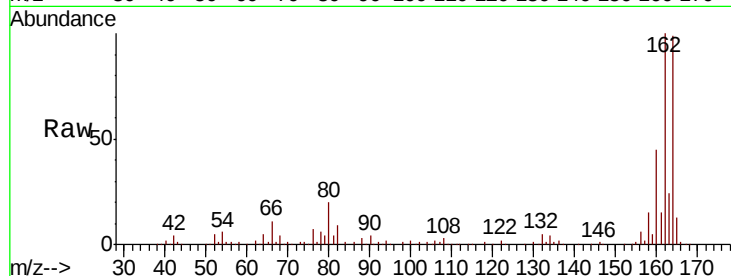
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	45.7	34.6	51.8

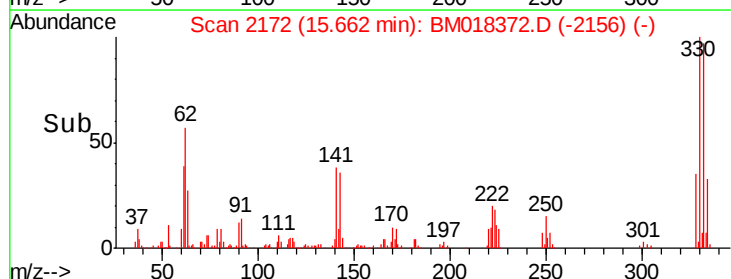
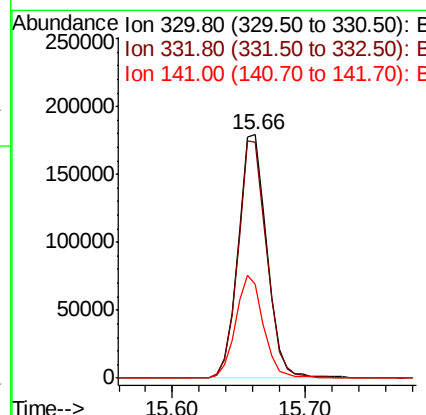
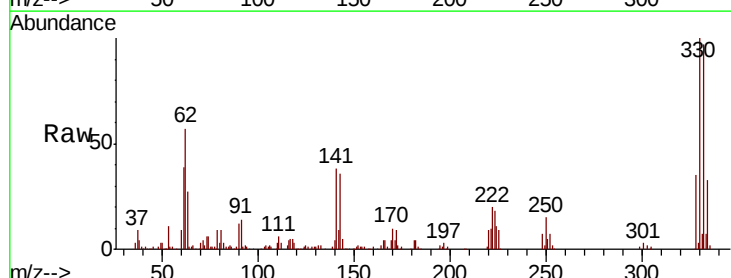
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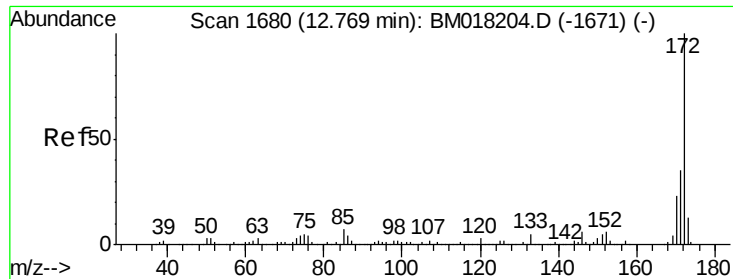
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#42
2,4,6-Tribromophenol
Concen: 73.936 ng
RT: 15.66 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.6	118.0
141	41.4	27.1	40.7#





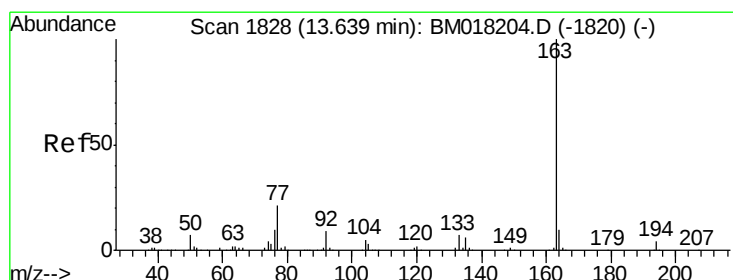
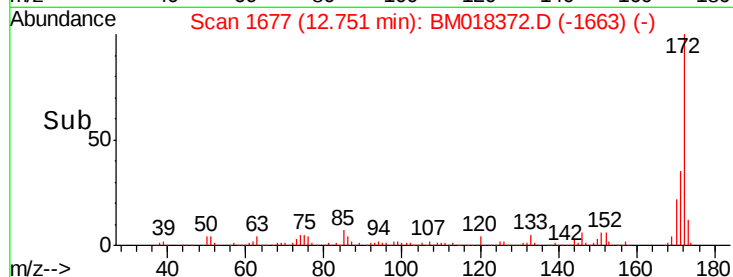
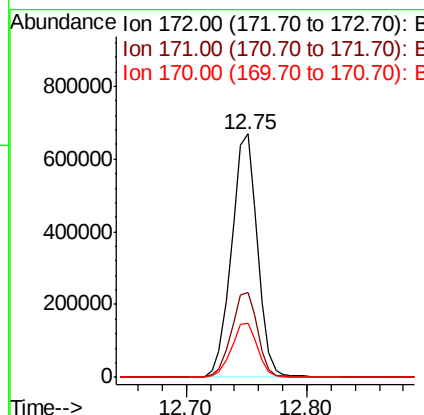
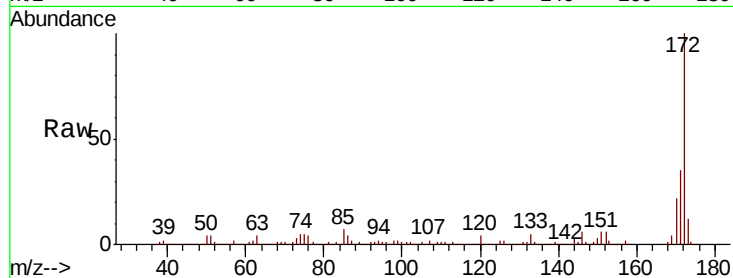
#45
2-Fluorobiphenyl
Concen: 52.395 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	34.7	28.3	42.5
170	22.4	18.1	27.1

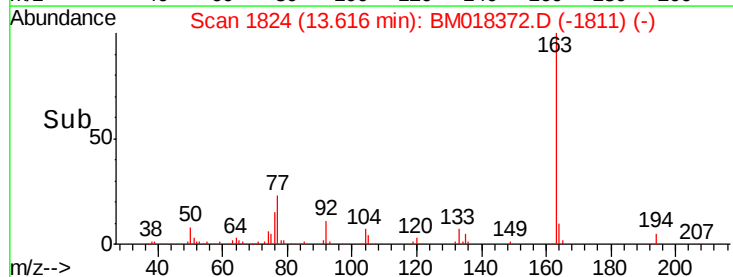
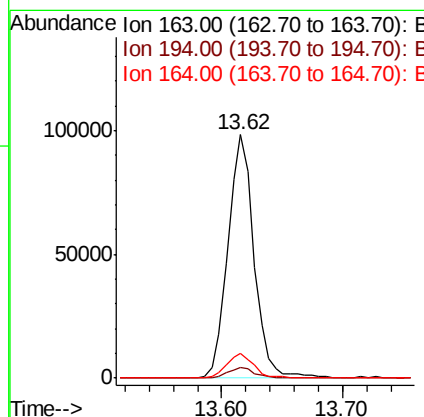
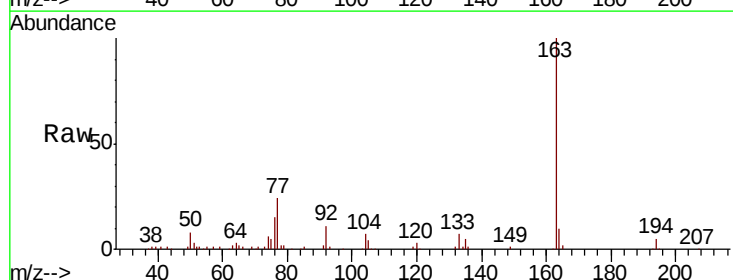
Manual Integrations
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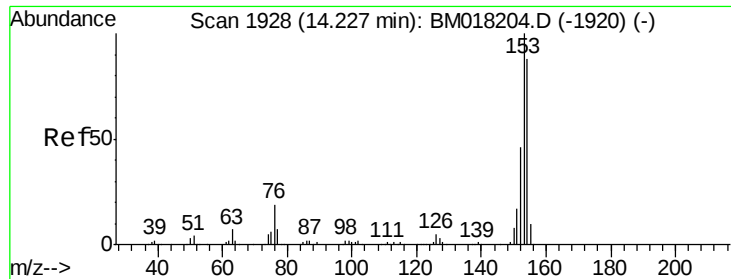
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#50
Dimethylphthalate
Concen: 7.216 ng
RT: 13.62 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.6	3.1	4.7
164	10.3	7.9	11.9





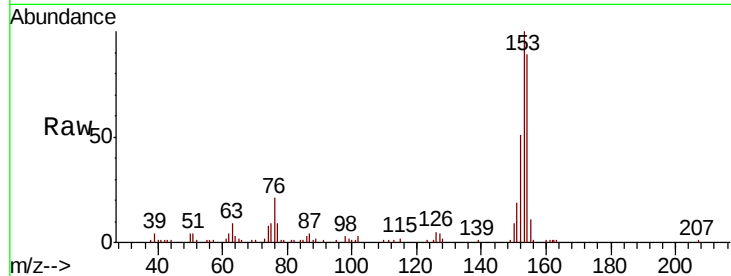
#52
Acenaphthene
Concen: 4.398 ng
RT: 14.21 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.4	135.6
152	57.0	41.2	61.8

Manual Integrations
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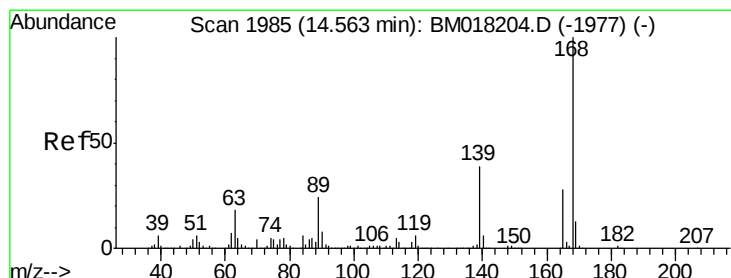
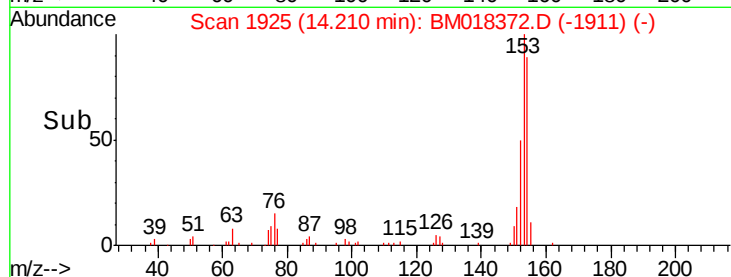
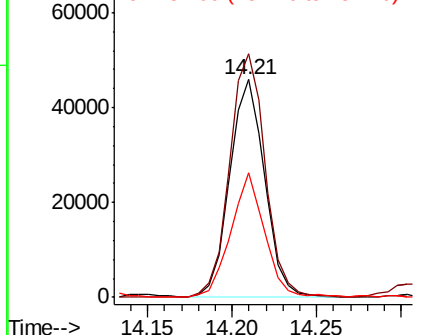


Abundance

Ion 154.00 (153.70 to 154.70): E

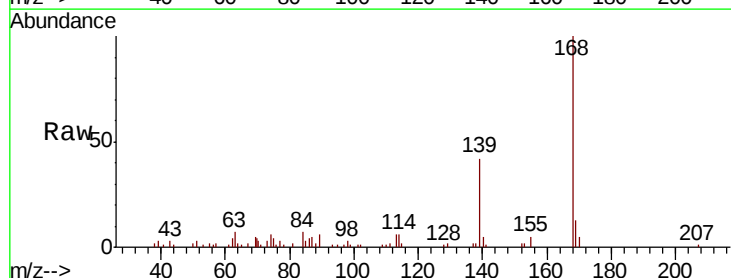
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55
Dibenzofuran
Concen: 2.023 ng
RT: 14.55 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.1	31.2	46.8
169	13.4	10.4	15.6

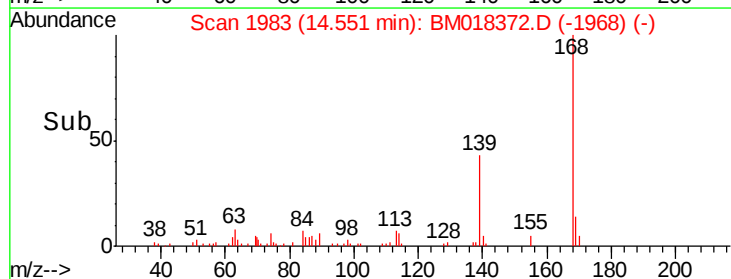
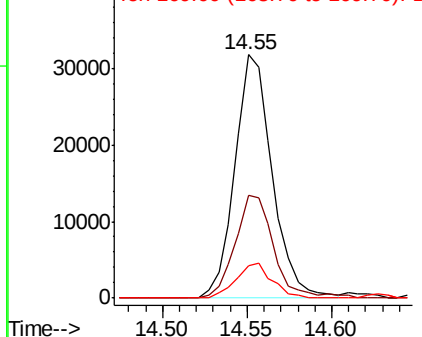


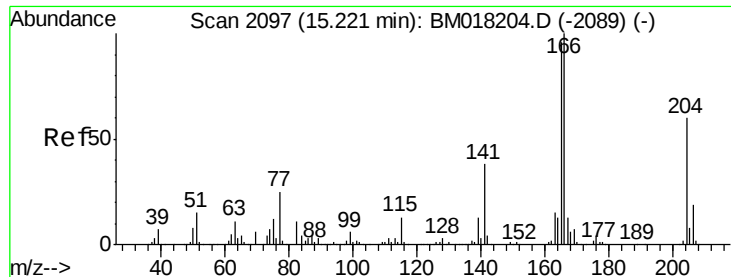
Abundance

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





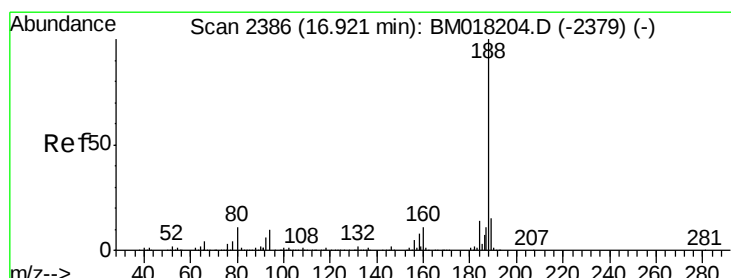
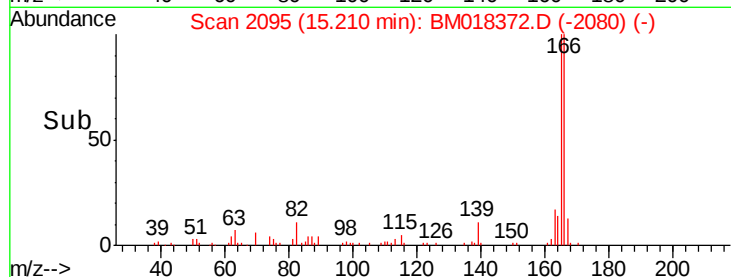
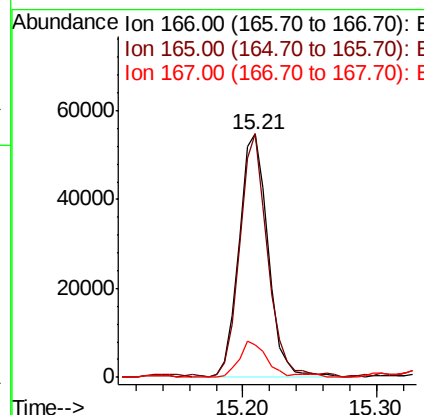
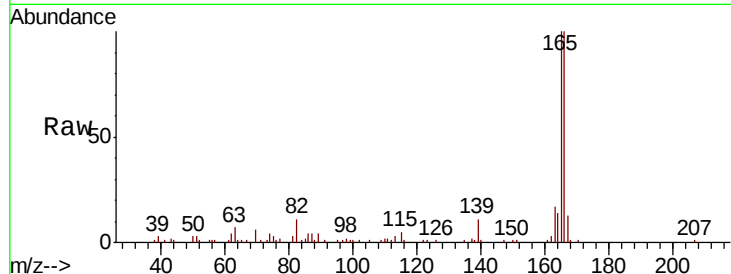
#58
 Fluorene
 Concen: 4.441 ng
 RT: 15.21 min Scan# 2095
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Instrument :
 BNA_M
 ClientSampleId :
 ROLLOFF-165

Tot Ion	Ratio	Resp	Lower	Upper
166	100	82801		
165	99.9	76.9	115.3	
167	13.3	10.5	15.7	

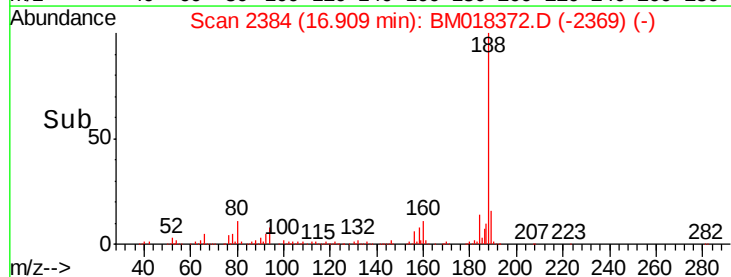
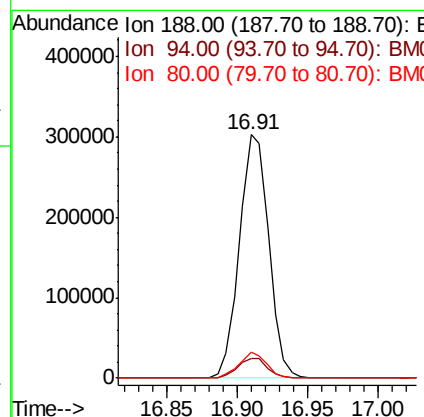
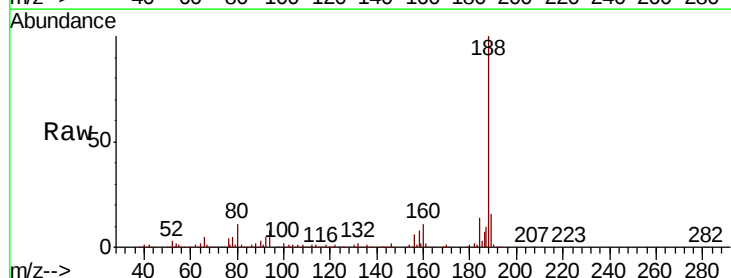
Manual Integrations
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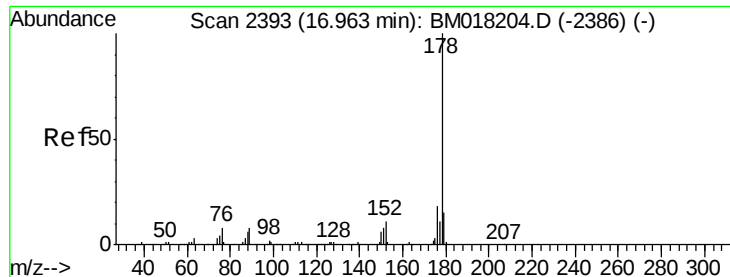
Sohil
 12/26/2018 3:20:20 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.91 min Scan# 2384
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	440378		
94	8.0	8.0	12.0#	
80	10.9	9.0	13.6	





#71

Phenanthrene

Concen: 48.707 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

Instrument :

BNA_M

ClientSampleId :

ROLLOFF-165

Tot Ion:178 Resp: 1165087

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

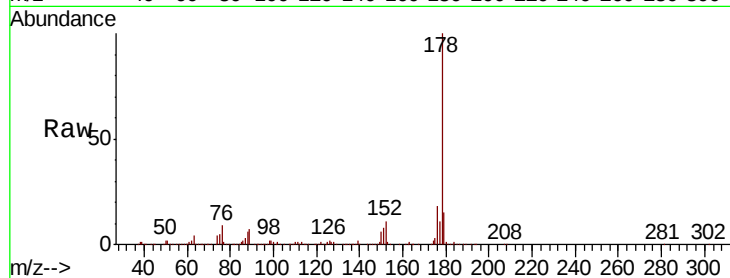
179 15.1 12.0 18.0

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Sohil

12/26/2018 3:20:20 PM

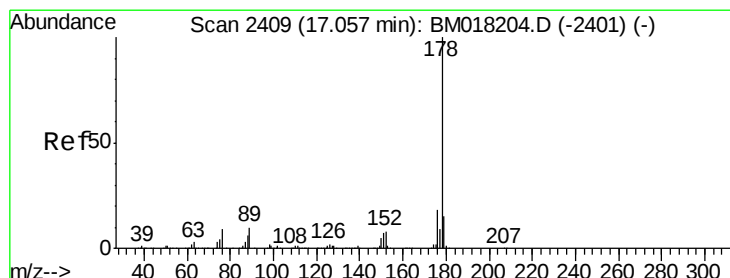
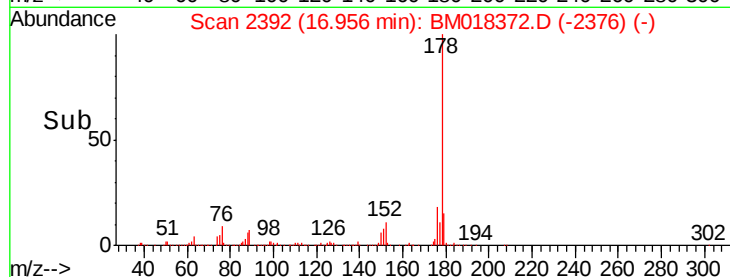
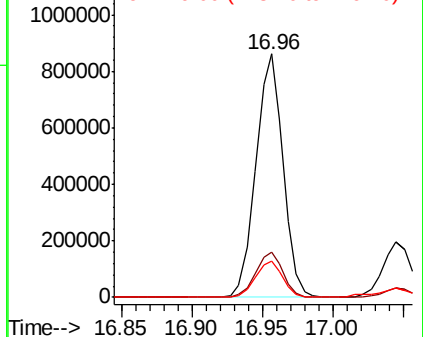


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 11.309 ng

RT: 17.04 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

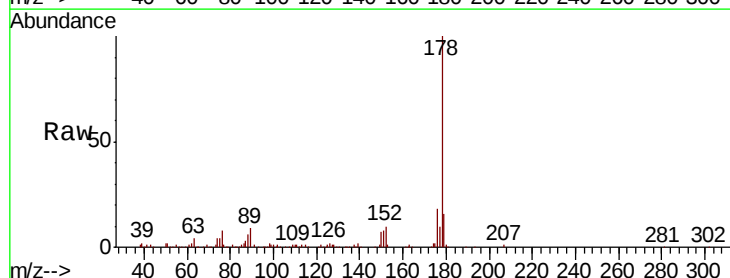
Tgt Ion:178 Resp: 268378

Ion Ratio Lower Upper

178 100

176 17.6 14.3 21.5

179 16.2 12.0 18.0

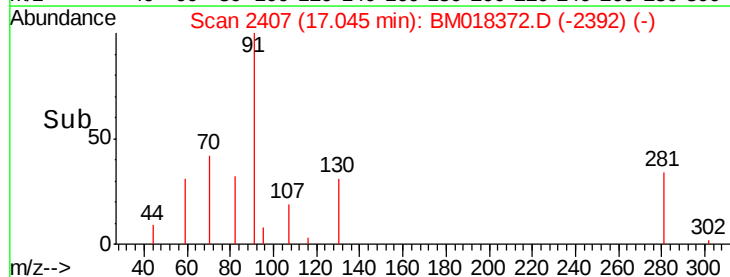
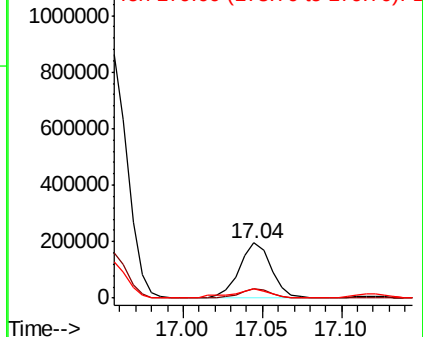


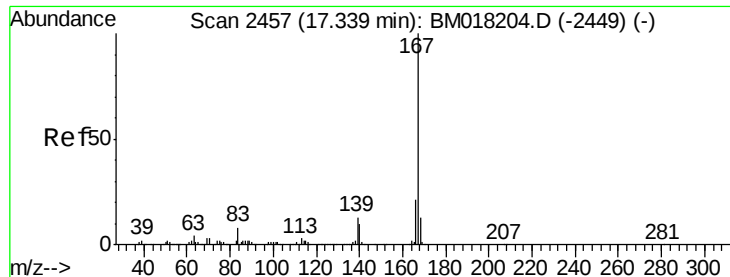
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





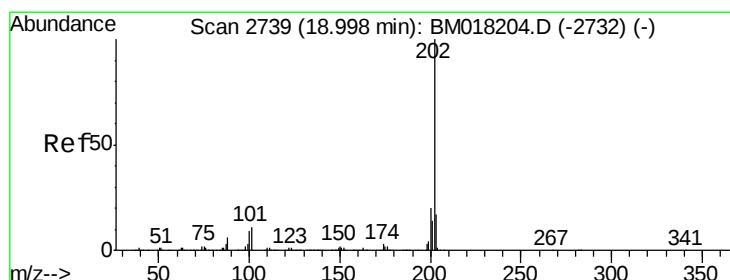
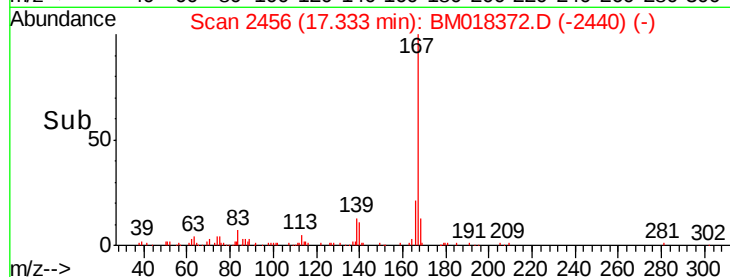
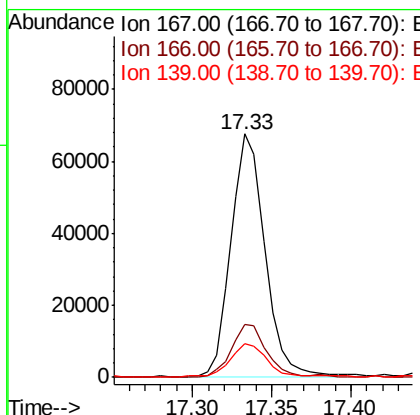
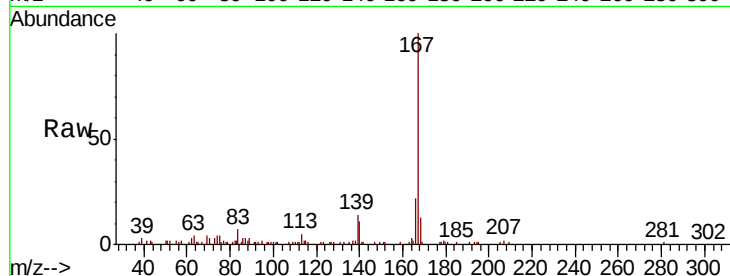
#73
 Carbazole
 Concen: 4.150 ng
 RT: 17.33 min Scan# 2456
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Instrument :
 BNA_M
 ClientSampleId :
 ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	14.0	10.3	15.5

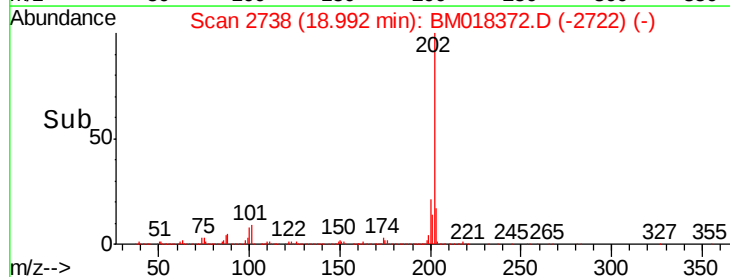
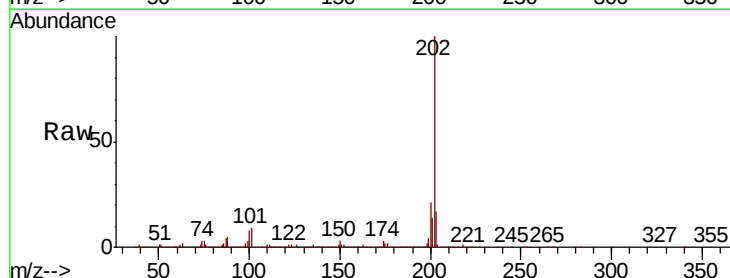
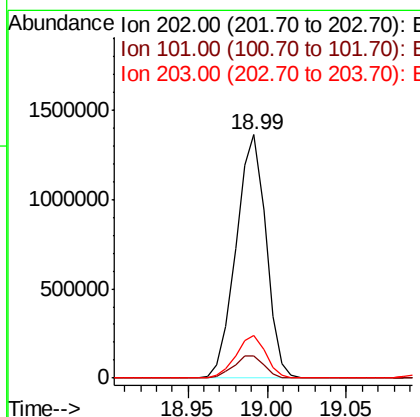
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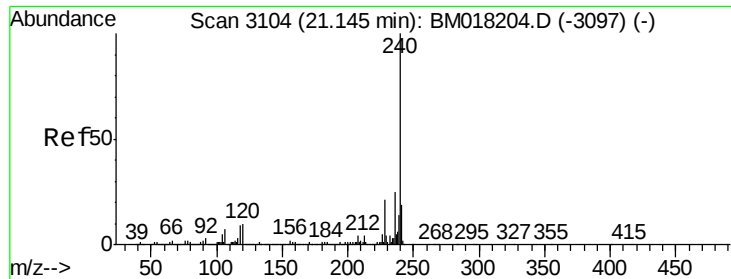
Sohil
 12/26/2018 3:20:20 PM



#75
 Fluoranthene
 Concen: 64.076 ng
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.5
203	17.3	0.0	37.5





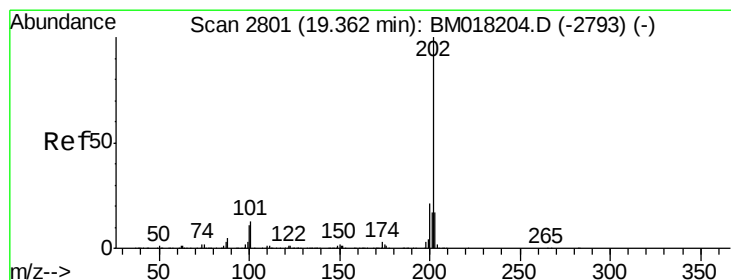
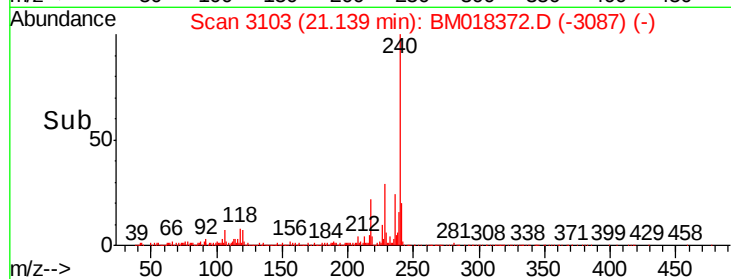
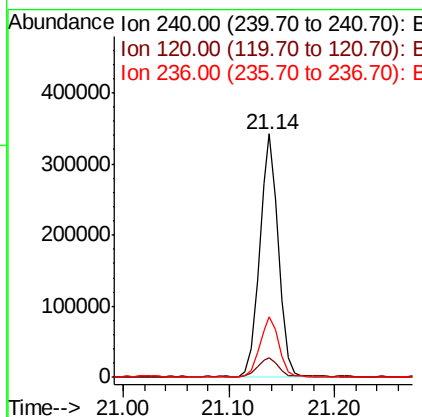
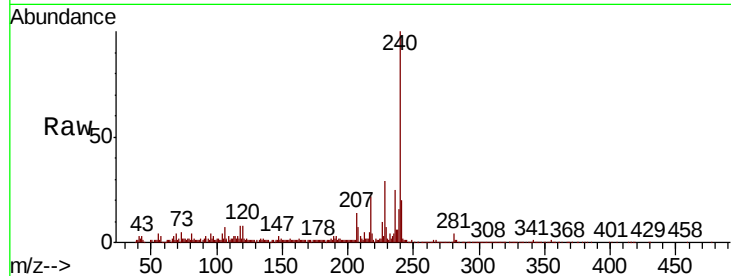
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.9	8.2	12.2#
236	24.6	20.3	30.5

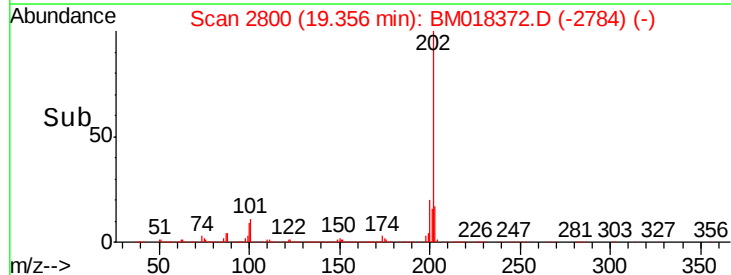
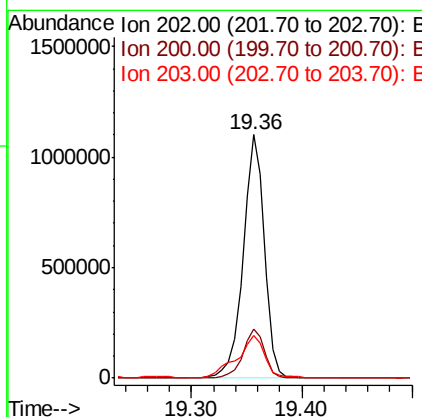
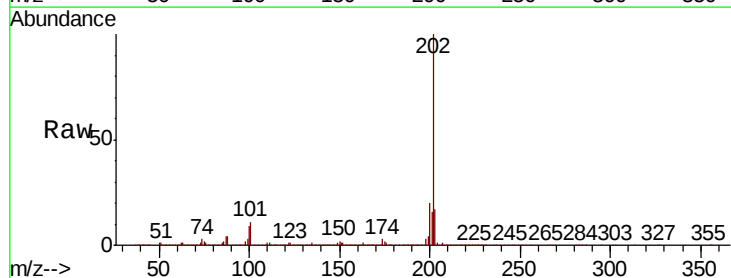
Manual Integrations
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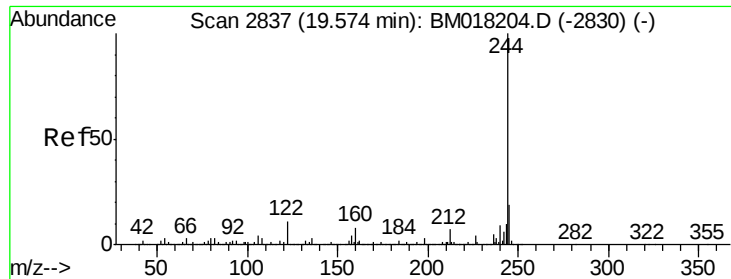
Sohil
12/26/2018 3:20:20 PM



#78
Pyrene
Concen: 58.427 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.5	24.7
203	17.3	14.0	21.0





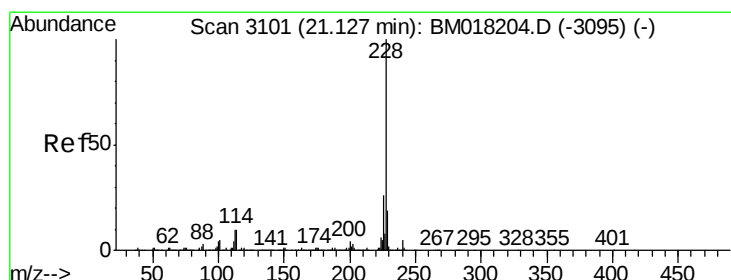
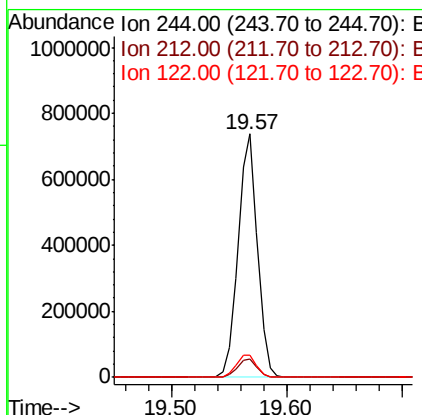
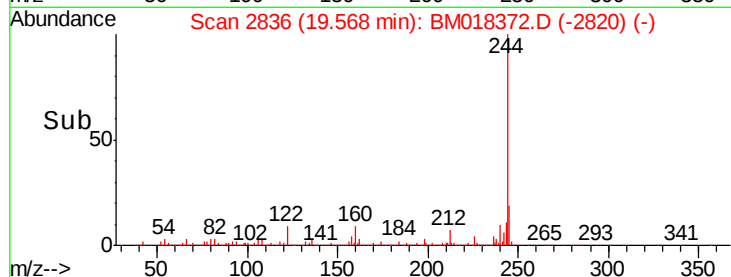
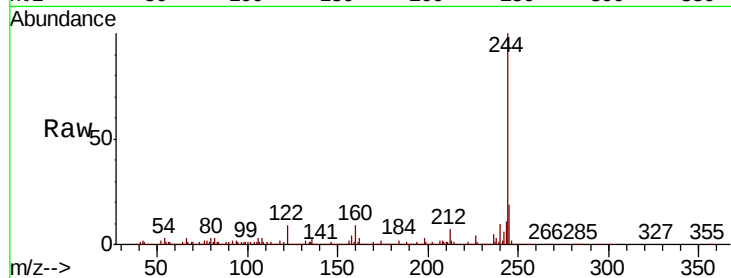
#79
 Terphenyl-d14
 Concen: 45.289 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Instrument :
 BNA_M
 ClientSampleId :
 ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	9.0	9.0	13.6

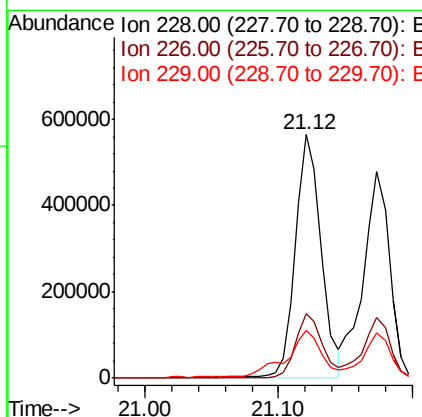
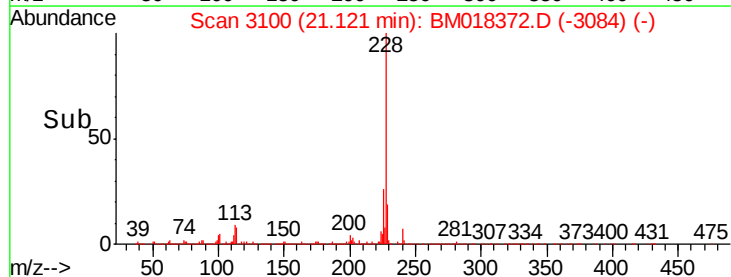
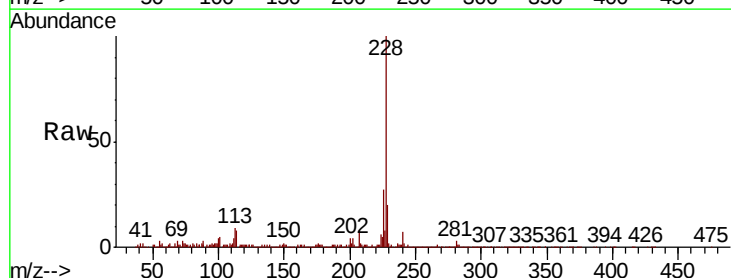
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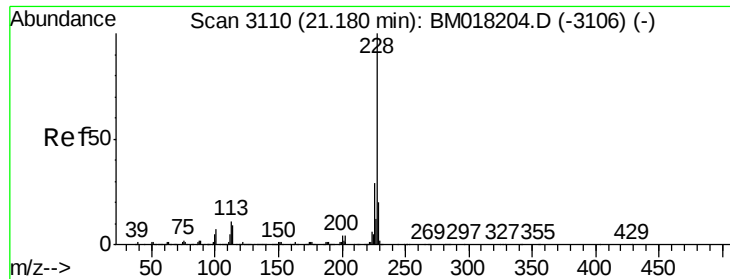
Sohil
 12/26/2018 3:20:20 PM



#81
 Benzo(a)anthracene
 Concen: 30.105 ng
 RT: 21.12 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.4
229	19.6	15.5	23.3





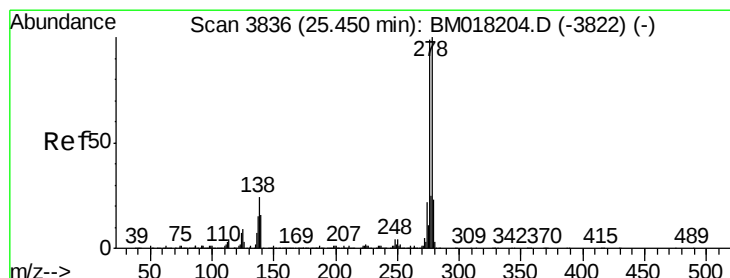
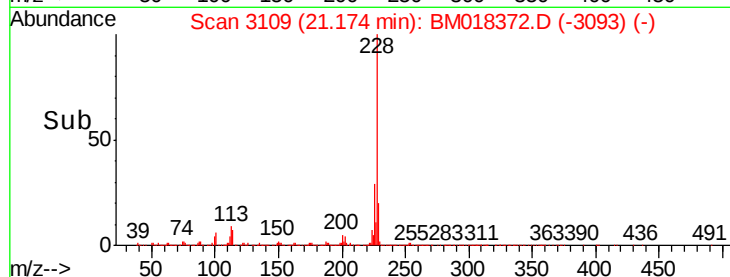
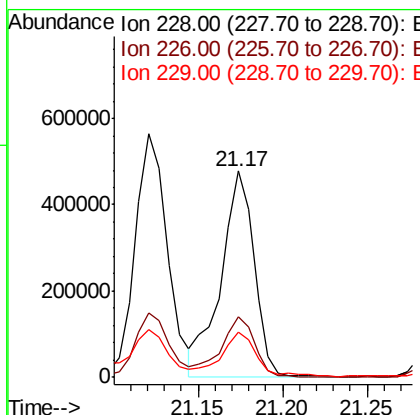
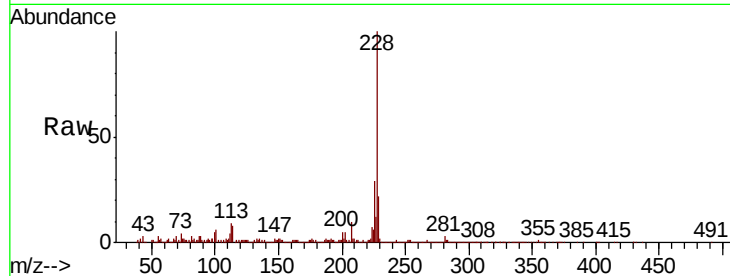
#83
Chrysene
Concen: 27.261 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.1	34.7
229	21.7	15.8	23.6

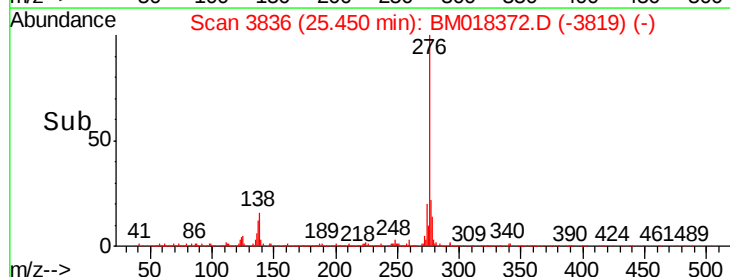
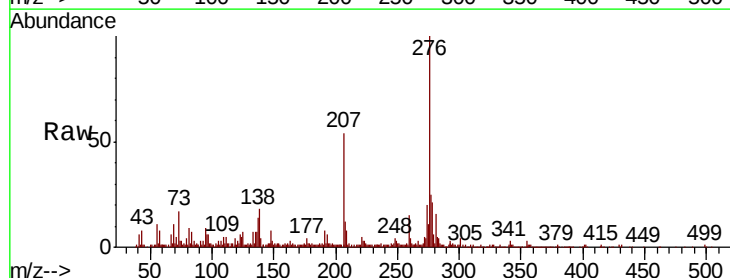
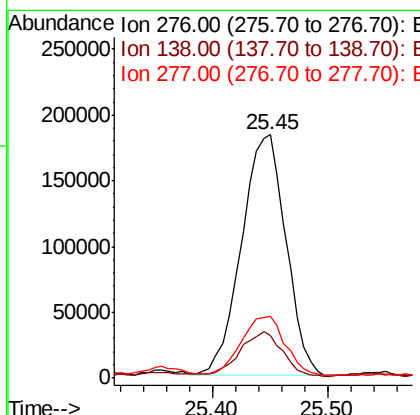
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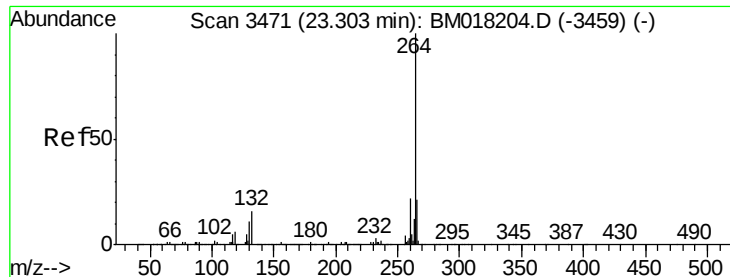
Sohil
12/26/2018 3:20:20 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 20.608 ng
RT: 25.45 min Scan# 3836
Delta R.T. -0.00 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	18.6	28.0#
277	24.7	20.3	30.5





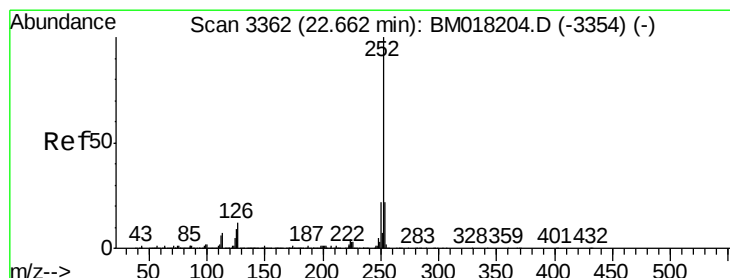
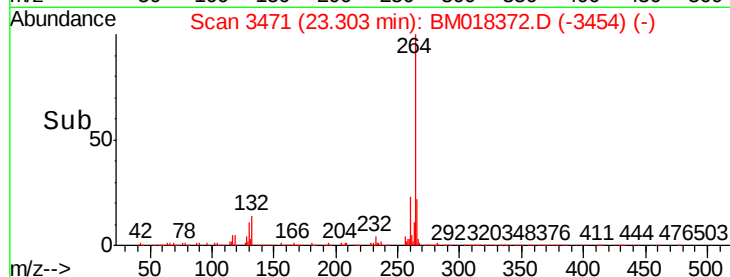
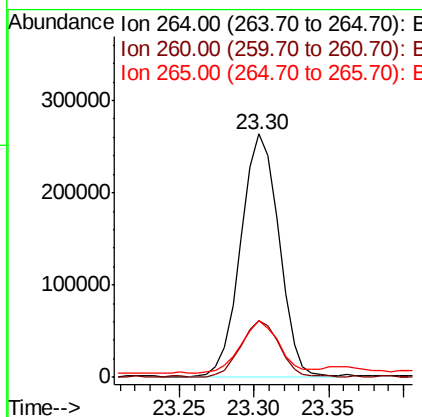
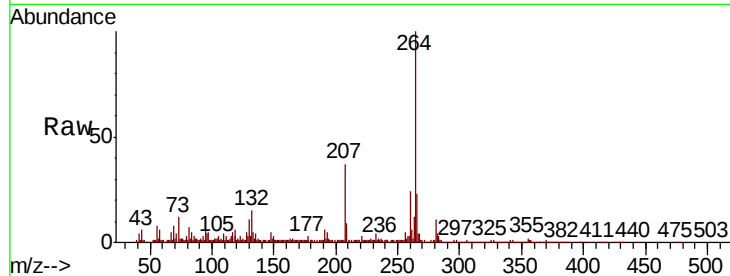
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.30 min Scan# 3471
 Delta R.T. -0.00 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Instrument :
 BNA_M
 ClientSampleId :
 ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.5	26.3
265	23.1	17.3	25.9

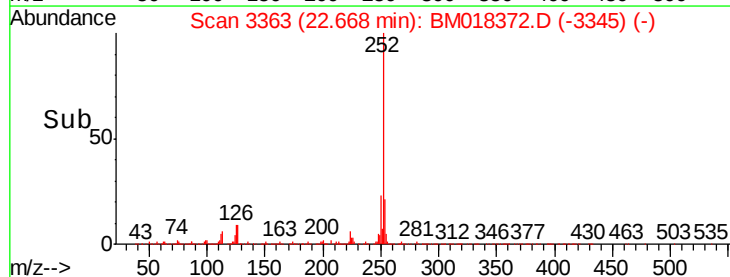
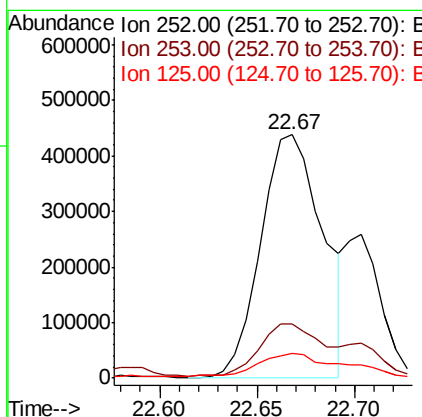
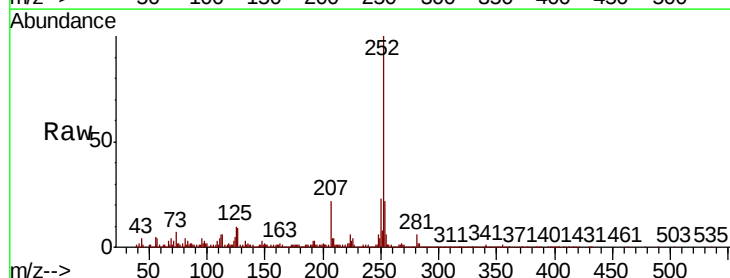
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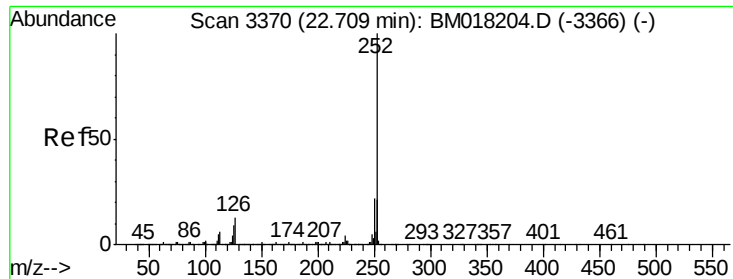
Sohil
 12/26/2018 3:20:20 PM



#88
 Benzo(b)fluoranthene
 Concen: 36.695 ng
 RT: 22.67 min Scan# 3363
 Delta R.T. 0.01 min
 Lab File: BM018372.D
 Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.0	7.4	11.0





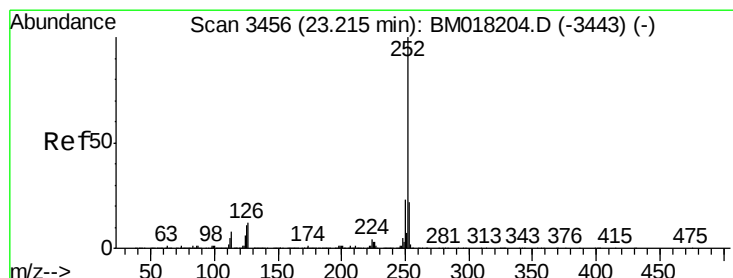
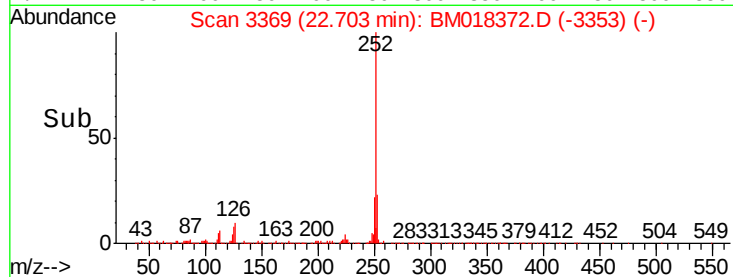
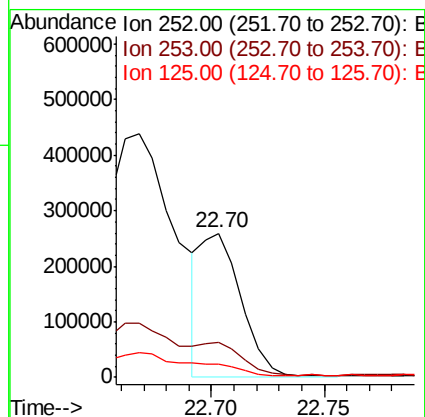
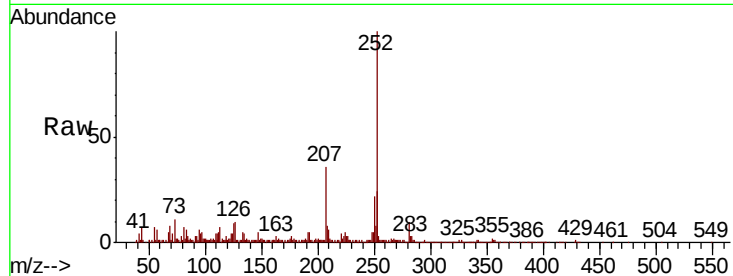
#89
Benzo(k)fluoranthene
Concen: 12.371 ng m
RT: 22.70 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Instrument :
BNA_M
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.9	25.3
125	9.2	7.5	11.3

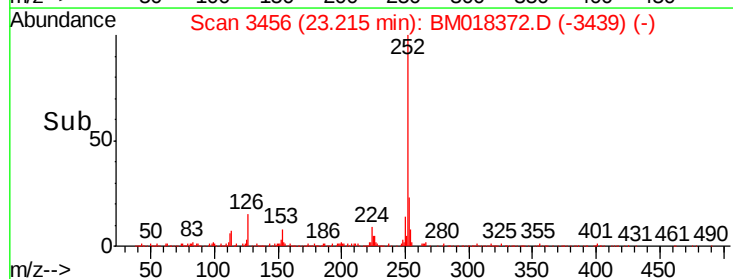
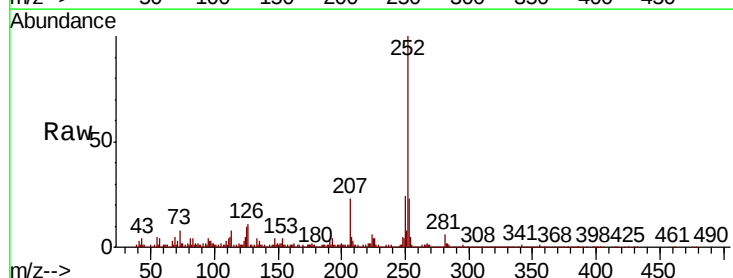
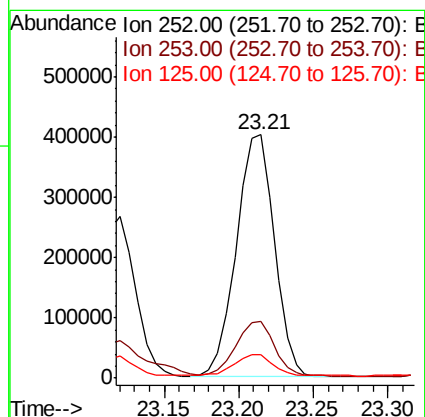
Manual Integrations
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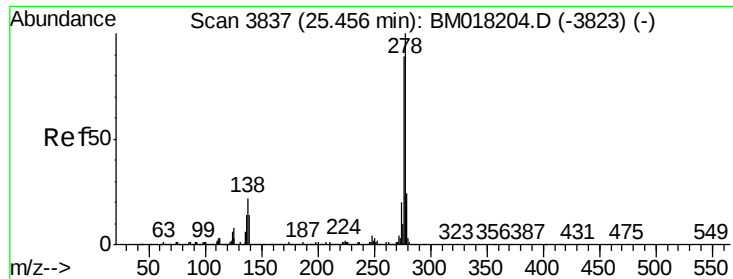
Sohil
12/26/2018 3:20:20 PM



#90
Benzo(a)pyrene
Concen: 28.671 ng
RT: 23.21 min Scan# 3456
Delta R.T. -0.00 min
Lab File: BM018372.D
Acq: 22 Dec 2018 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	9.8	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 5.089 ng

RT: 25.44 min Scan# 3835

Delta R.T. -0.01 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

Instrument :

BNA_M

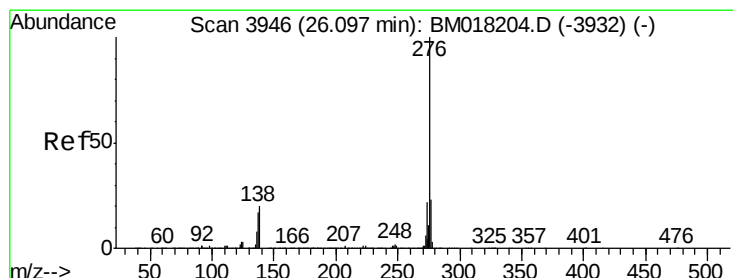
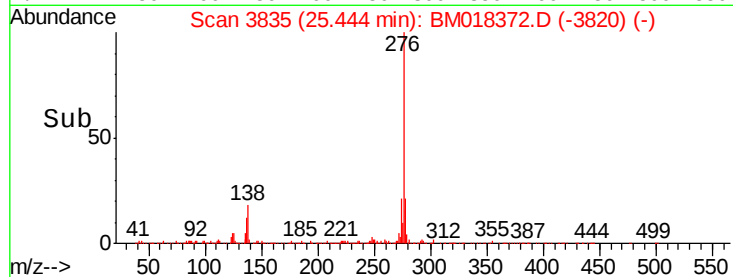
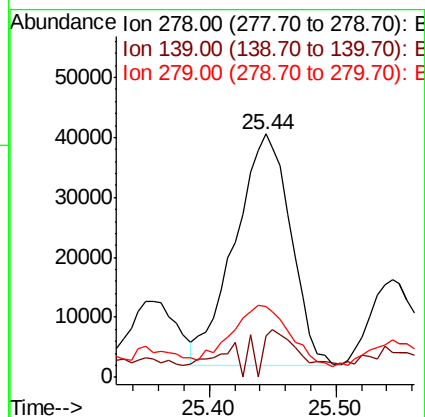
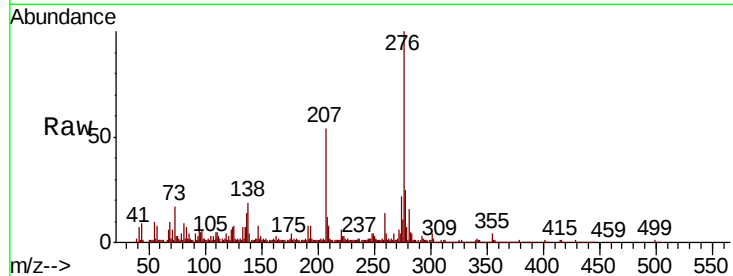
ClientSampleId :

ROLLOFF-165

Tot Ion:	278	Resp:	117362
Ion Ratio	Lower	Upper	
278	100		
139	17.2	11.6	17.4
279	29.3	19.2	28.8#

Manual Integrations
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Sohil
12/26/2018 3:20:20 PM



#92

Benzo(g,h,i)perylene

Concen: 22.133 ng

RT: 26.10 min Scan# 3946

Delta R.T. -0.00 min

Lab File: BM018372.D

Acq: 22 Dec 2018 00:18

Tgt Ion:	276	Resp:	482491
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.7	28.1
138	18.9	15.8	23.8

