

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030119\
 Data File : BM018994.D
 Acq On : 01 Mar 2019 19:32
 Operator : JU/SJ
 Sample : K1665-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 200051

Manual Integrations
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Sohil
 3/4/2019 4:52:59 PM

Quant Time: Mar 02 02:07:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	251363	20.00	ng	-0.04
21) Naphthalene-d8	10.47	136	1036326	20.00	ng	-0.04
39) Acenaphthene-d10	14.33	164	605880	20.00	ng	-0.03
64) Phenanthrene-d10	17.09	188	1365702	20.00	ng	-0.03
76) Chrysene-d12	21.29	240	1265290	20.00	ng	-0.02
87) Perylene-d12	23.53	264	1126732	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1547357	100.86	ng	-0.03
7) Phenol-d6	6.86	99	2215346	102.50	ng	-0.03
23) Nitrobenzene-d5	8.85	82	1386339	61.86	ng	-0.04
42) 2,4,6-Tribromophenol	15.83	330	857212	98.15	ng	-0.03
45) 2-Fluorobiphenyl	12.95	172	2715011	59.49	ng	-0.04
79) Terphenyl-d14	19.72	244	3821307	62.30	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.52	128	164941	3.263	ng	99
50) Dimethylphthalate	13.80	163	251003	4.971	ng	99
52) Acenaphthene	14.40	154	105276	2.862	ng	97
55) Dibenzofuran	14.74	168	122564	2.027	ng	99
58) Fluorene	15.39	166	147792	3.196	ng	97
71) Phenanthrene	17.13	178	1117358	15.224	ng	99
75) Fluoranthene	19.15	202	1288961	15.204	ng	99
78) Pyrene	19.52	202	999266	13.598	ng	100
81) Benzo(a)anthracene	21.27	228	304075	4.123	ng	100
83) Chrysene	21.32	228	311645	4.408	ng	99
88) Benzo(b)fluoranthene	22.86	252	323331m	5.016	ng	
90) Benzo(a)pyrene	23.43	252	205397	3.363	ng	98
92) Benzo(a,h,i)perylene	26.50	276	126697	2.249	ng	96

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

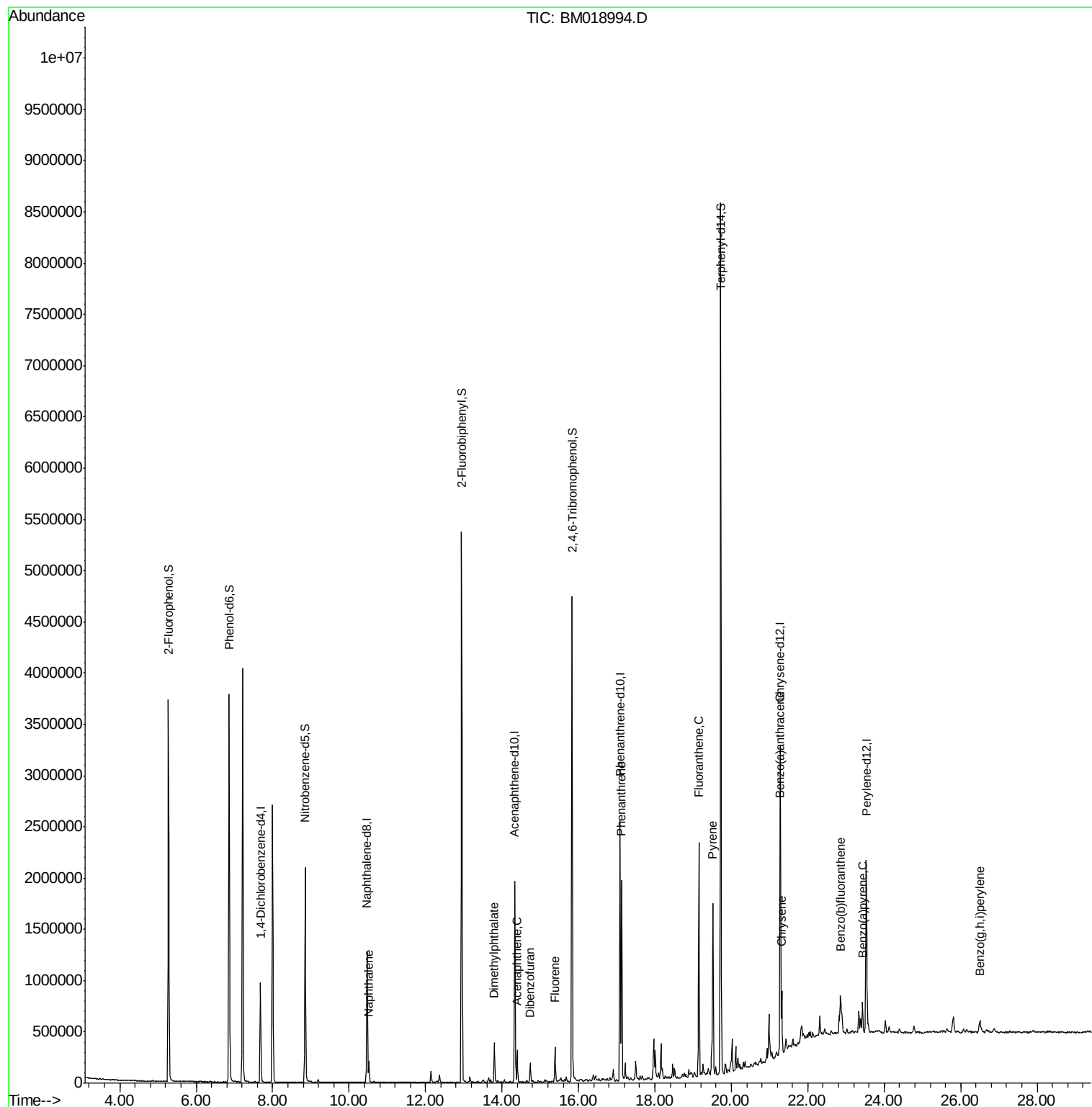
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030119\
Data File : BM018994.D
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Sample : K1665-01
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ALS Vial : 11 Sample Multiplier: 1

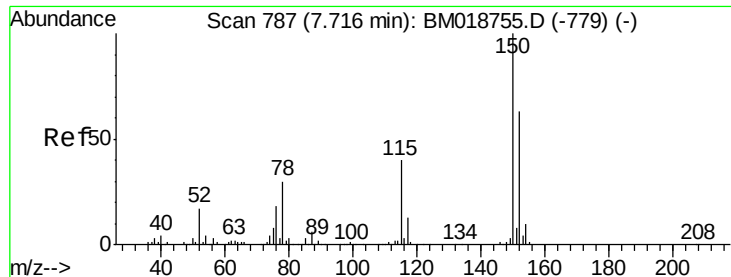
Instrument :
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200051

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Quant Time: Mar 02 02:07:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

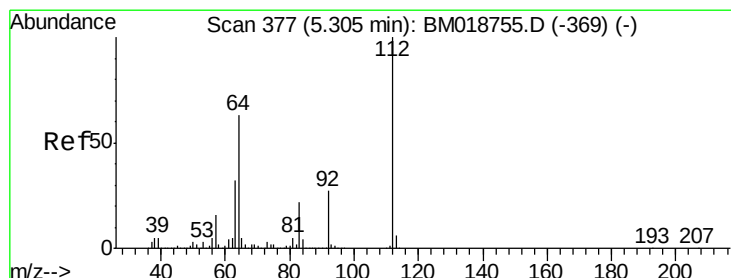
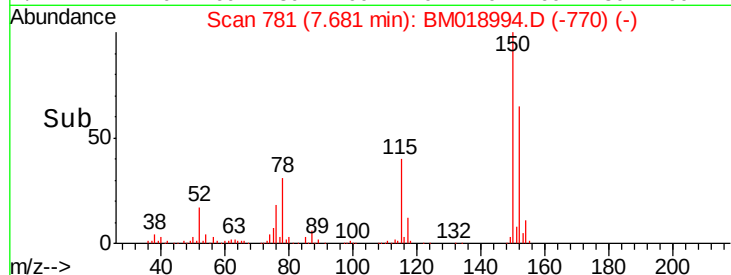
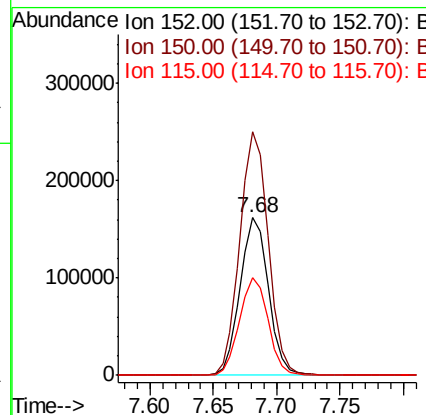
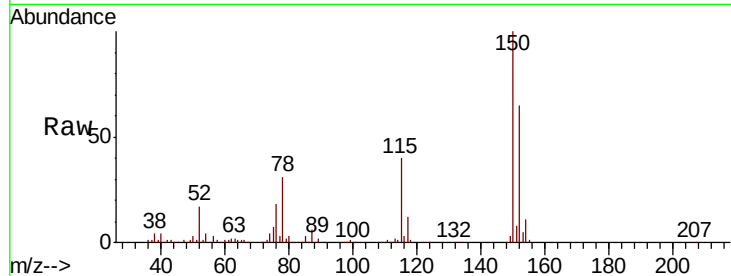
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampled :
200051

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.3	190.9
115	62.1	50.8	76.2

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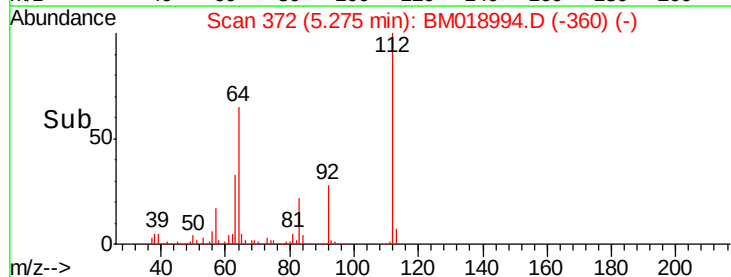
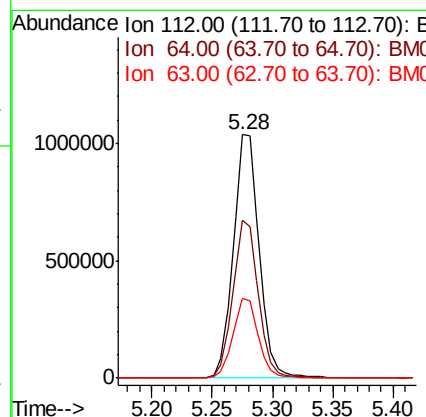
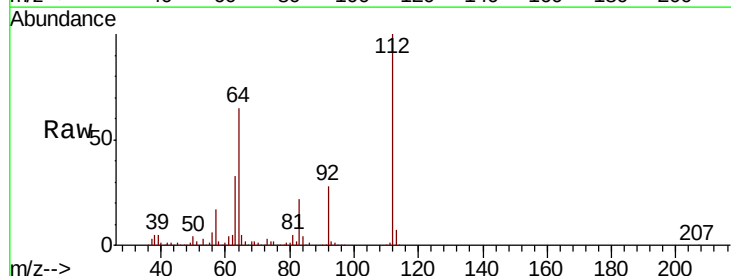
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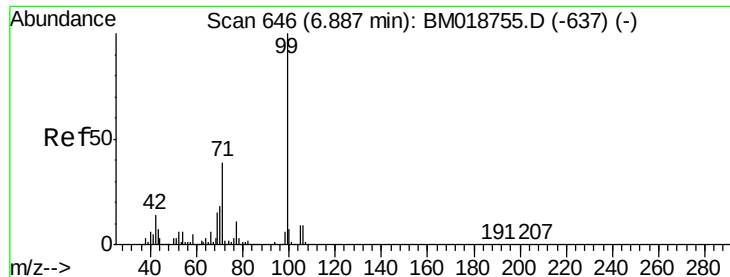


#5

2-Fluorophenol
Concen: 100.862 ng
RT: 5.28 min Scan# 372
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	50.6	75.8
63	33.0	25.7	38.5





#7

Phenol-d6

Concen: 102.505 ng

RT: 6.86 min Scan# 641

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

BNA_M

ClientSampled :

200051

Tot Ion: 99 Resp: 2215346

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

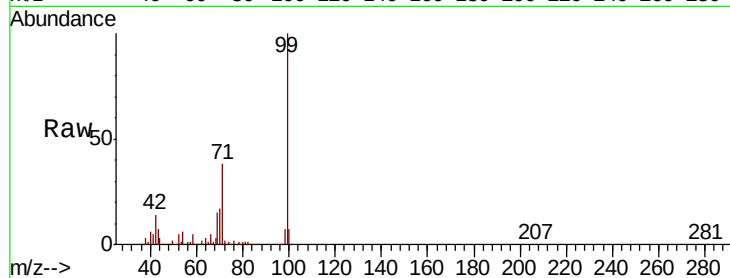
71 38.2 31.3 46.9

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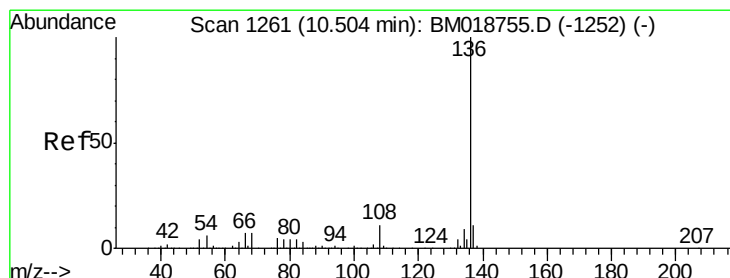
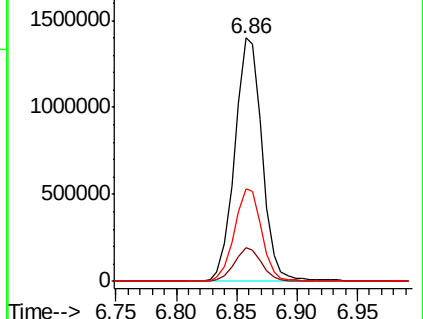
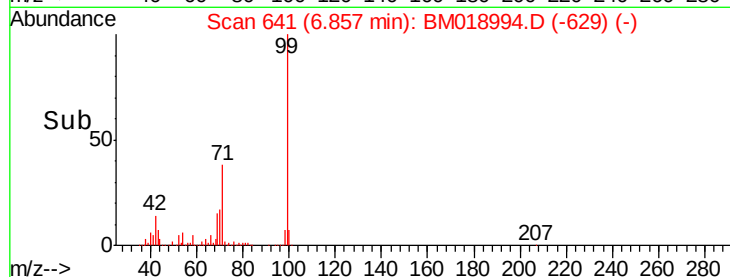
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Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1255

Delta R.T. -0.04 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Tgt Ion: 136 Resp: 1036326

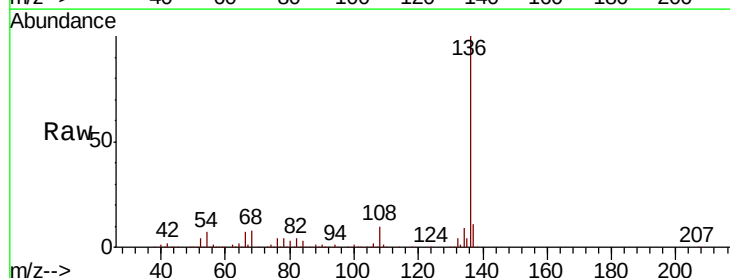
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.0 5.0 7.6

68 7.9 5.5 8.3

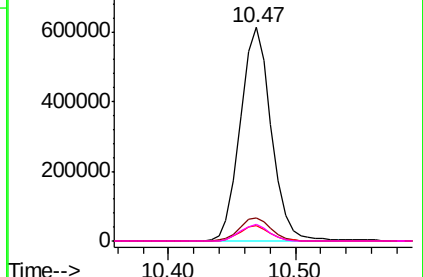
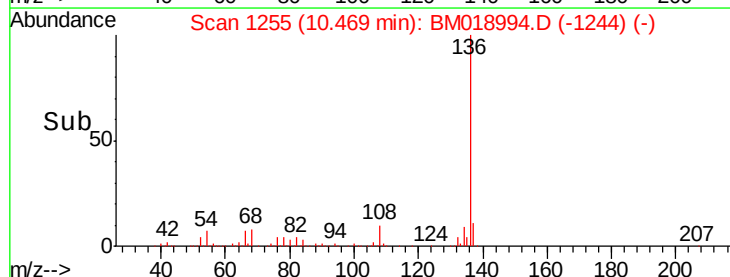


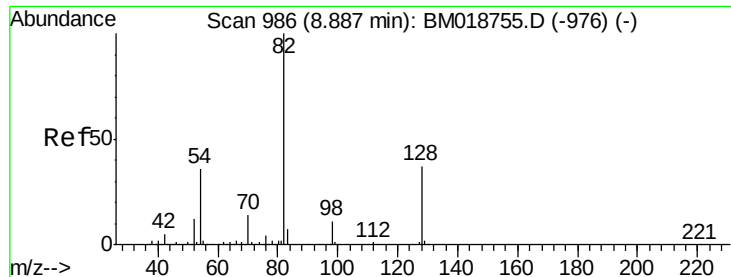
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)





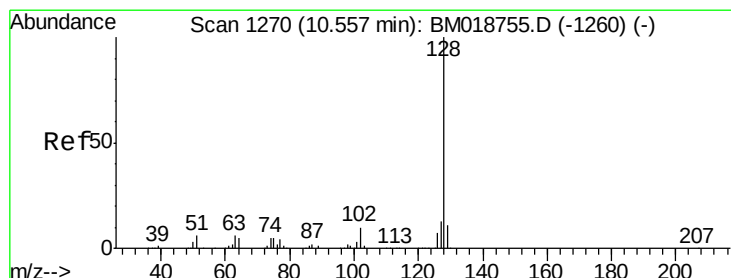
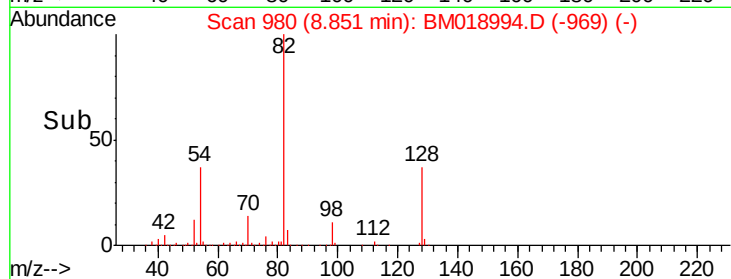
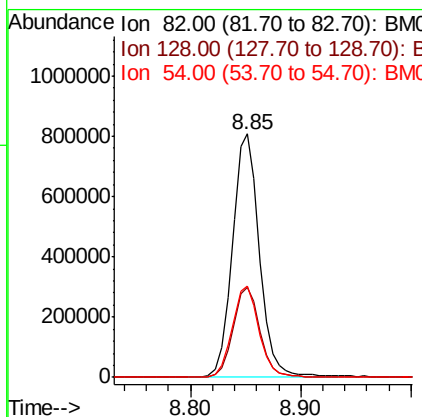
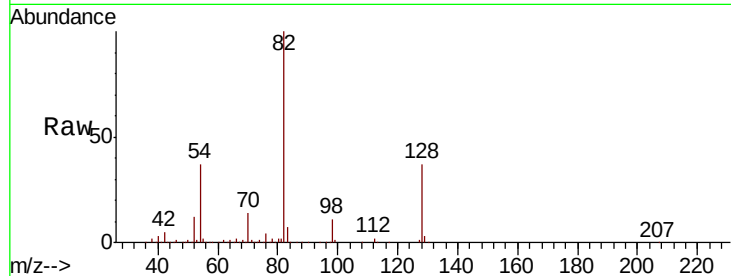
#23
Nitrobenzene-d5
Concen: 61.855 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampled :
200051

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.9	44.9
54	37.3	29.1	43.7

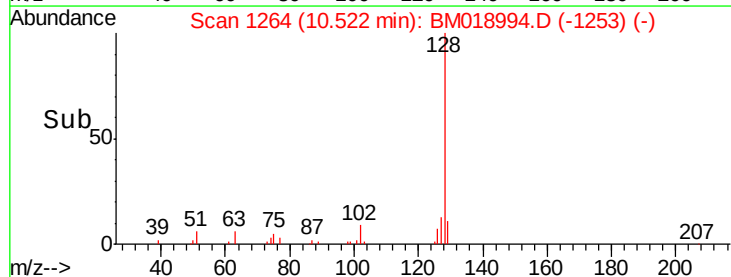
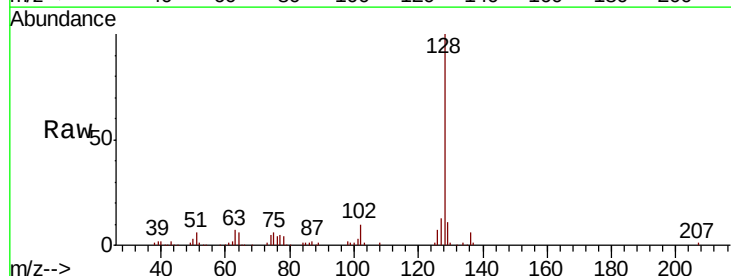
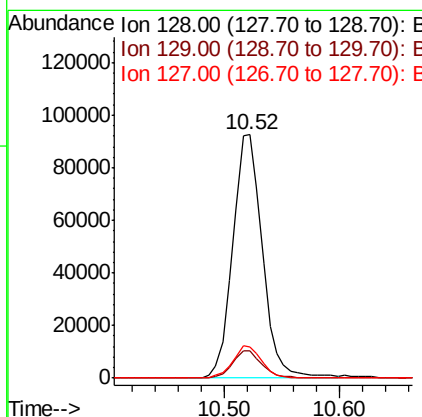
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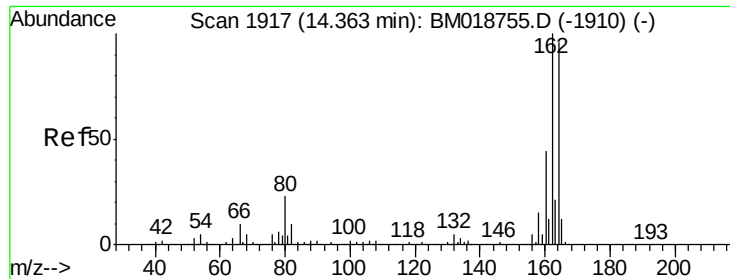
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#31
Naphthalene
Concen: 3.263 ng
RT: 10.52 min Scan# 1264
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.0	10.7	16.1





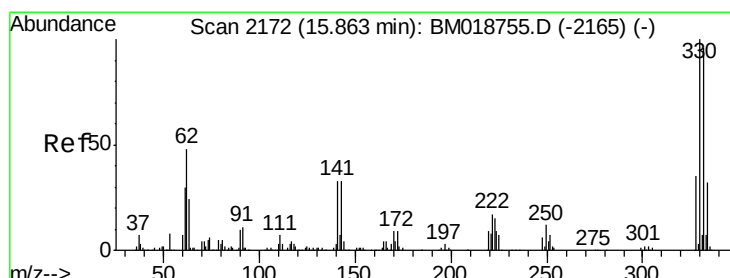
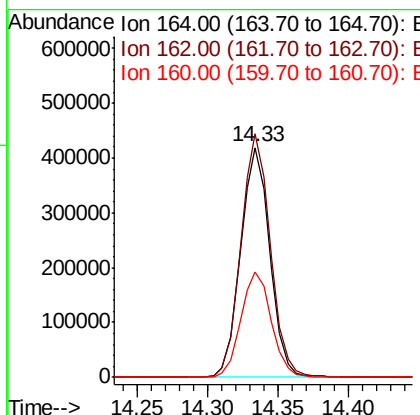
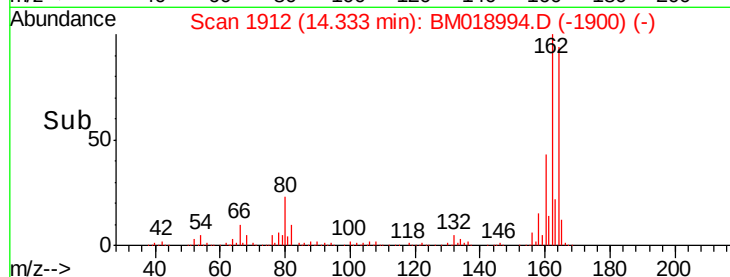
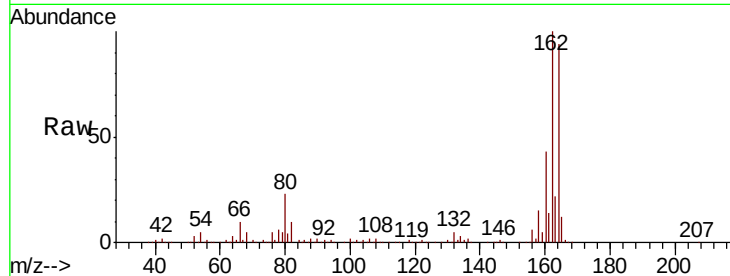
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1912
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampled :
200051

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.0	83.4	125.0	
160	46.0	36.6	55.0	

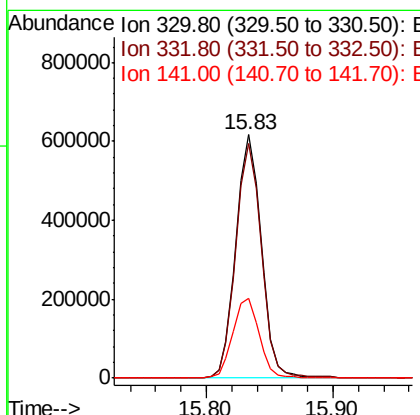
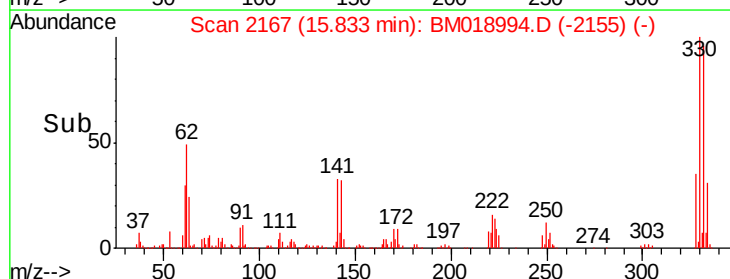
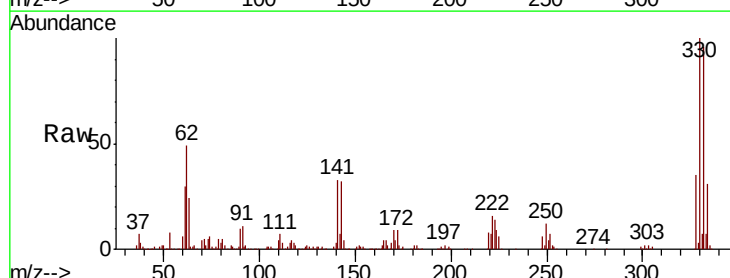
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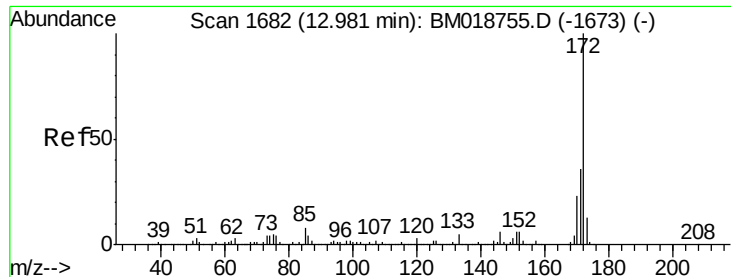
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#42
2,4,6-Tribromophenol
Concen: 98.151 ng
RT: 15.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	76.9	115.3	
141	33.9	28.7	43.1	





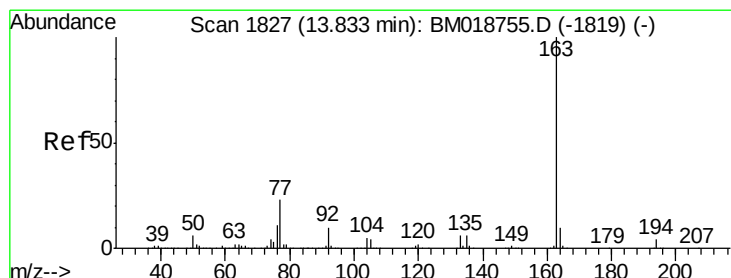
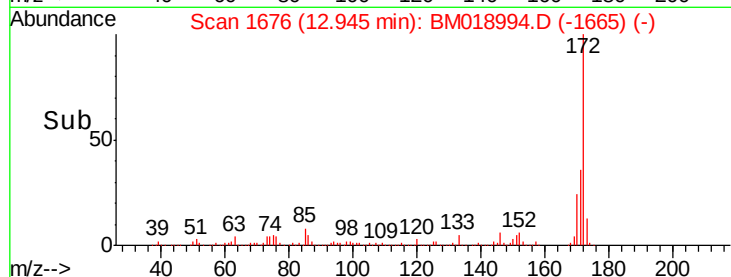
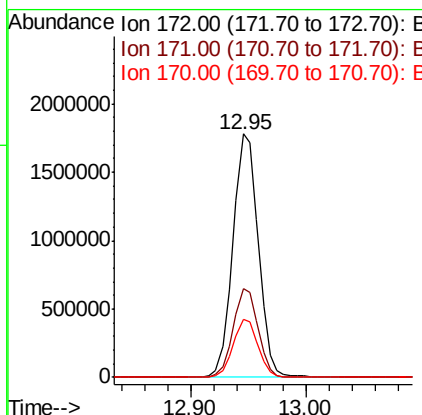
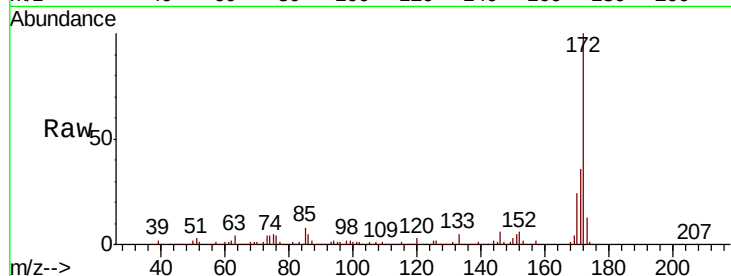
#45
2-Fluorobiphenyl
Concen: 59.486 ng
RT: 12.95 min Scan# 1676
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampleId :
200051

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	23.7	18.6	28.0

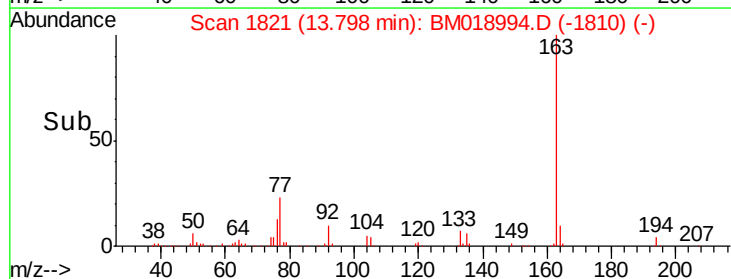
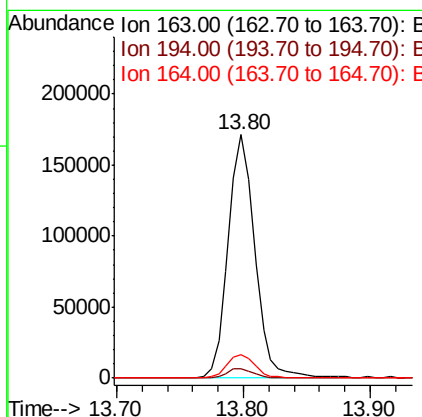
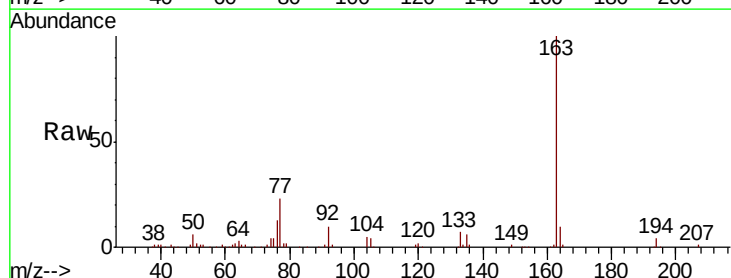
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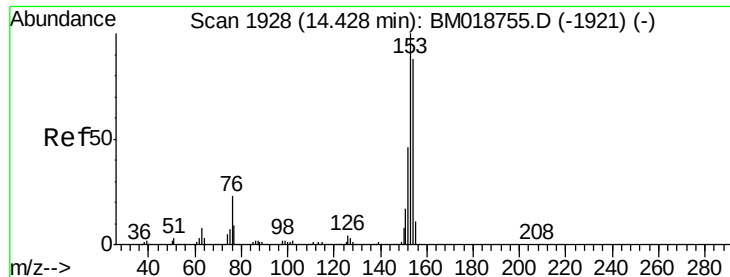
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#50
Dimethylphthalate
Concen: 4.971 ng
RT: 13.80 min Scan# 1821
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.5	7.8	11.8





#52

Acenaphthene

Concen: 2.862 ng

RT: 14.40 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

BNA_M

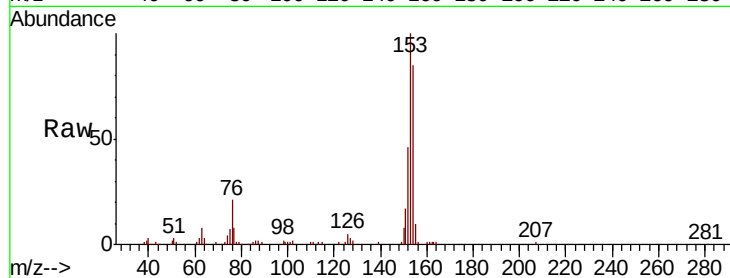
ClientSampleId :

200051

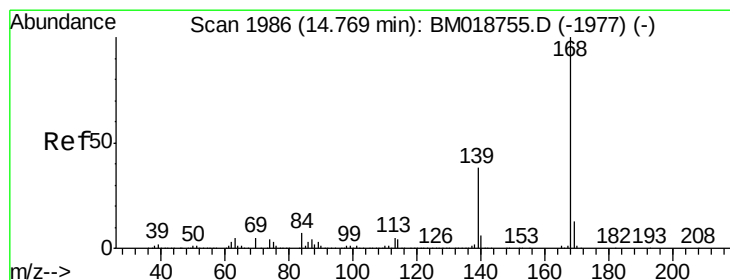
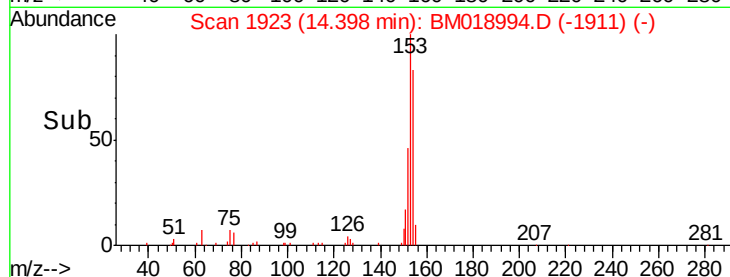
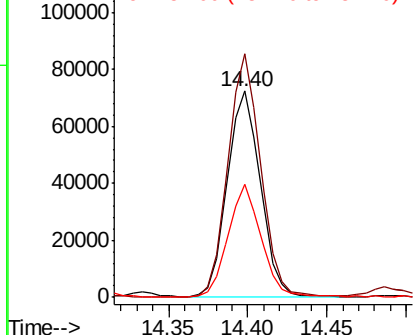
Tot Ion:	154	Resp:	105276
Ion Ratio	Lower	Upper	
154	100		
153	118.2	91.3	136.9
152	54.7	42.2	63.4

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: 2.027 ng

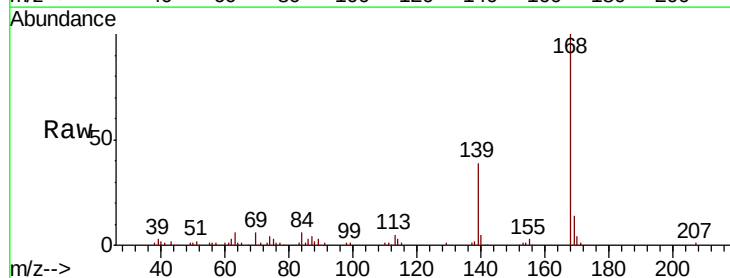
RT: 14.74 min Scan# 1981

Delta R.T. -0.03 min

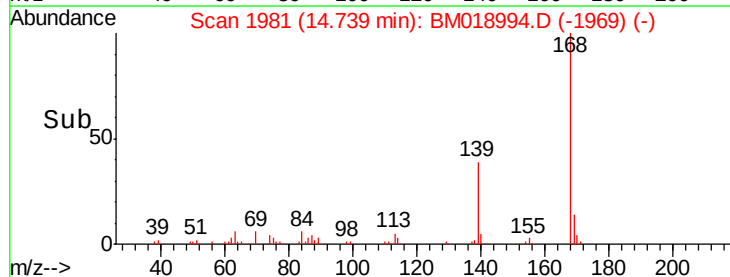
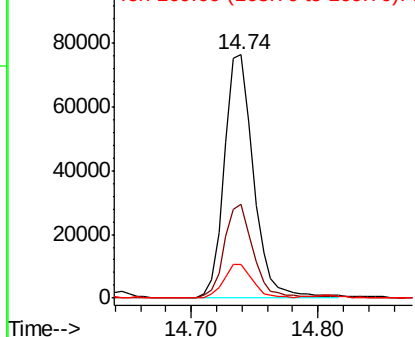
Lab File: BM018994.D

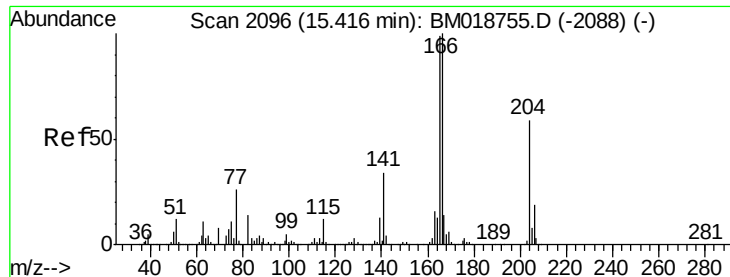
Acq: 01 Mar 2019 19:32

Tgt Ion:	168	Resp:	122564
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.7	46.1
169	13.8	10.3	15.5



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





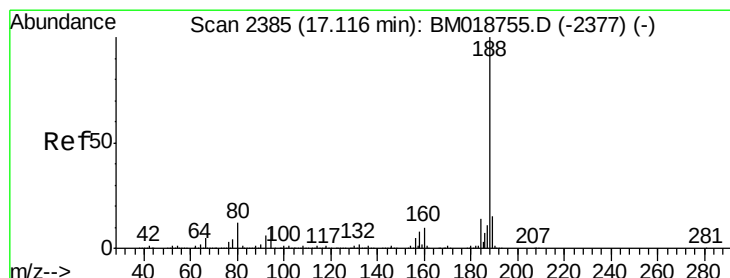
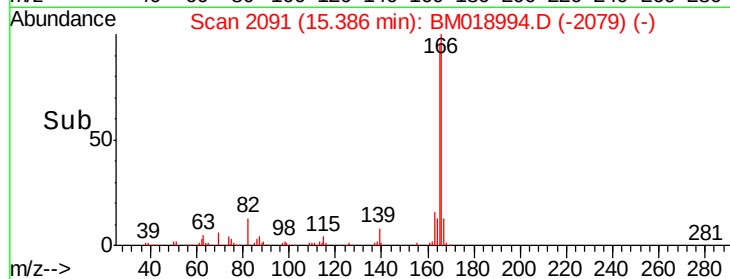
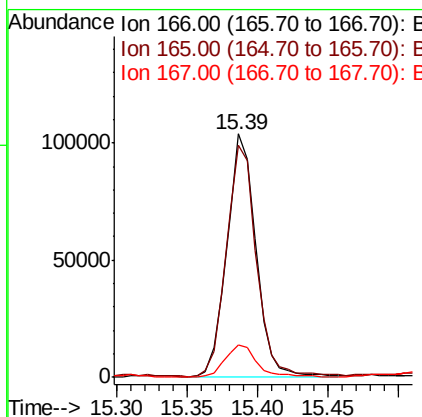
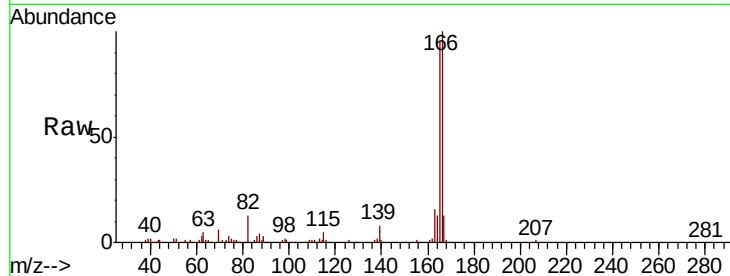
#58
 Fluorene
 Concen: 3.196 ng
 RT: 15.39 min Scan# 2091
 Delta R.T. -0.03 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Instrument :
 BNA_M
 ClientSampled :
 200051

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	79.1	118.7
167	13.3	11.0	16.4

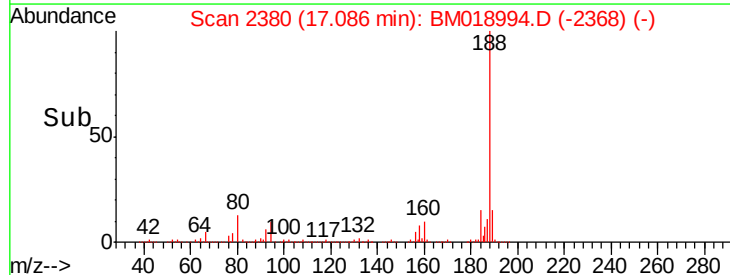
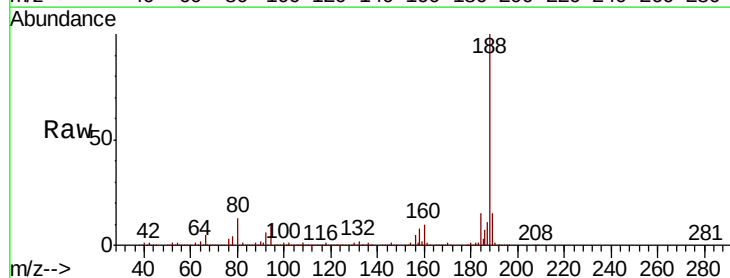
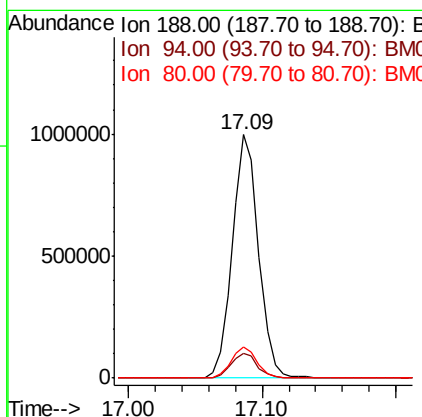
Manual Integrations
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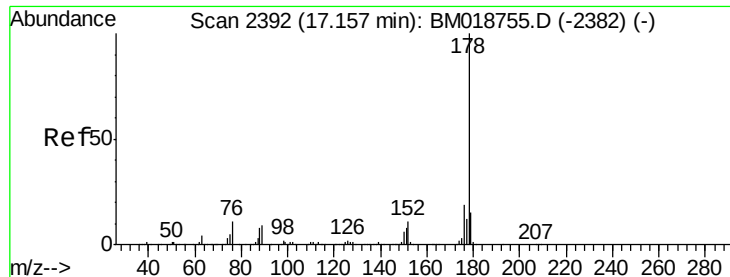
Sohil
 3/4/2019 4:52:59 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.09 min Scan# 2380
 Delta R.T. -0.03 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	12.6	9.7	14.5





#71

Phenanthrene

Concen: 15.224 ng

RT: 17.13 min Scan# 2387

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

Instrument :

BNA_M

ClientSampleId :

200051

Tot Ion:178 Resp: 1117358

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

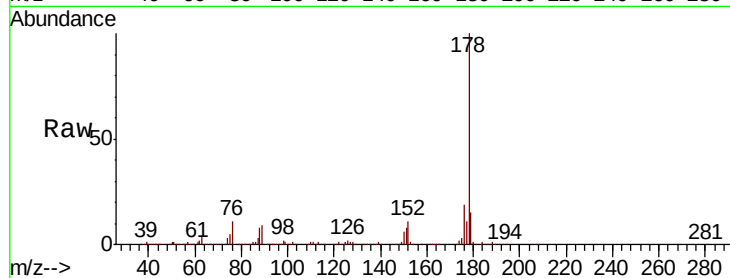
179 15.3 12.3 18.5

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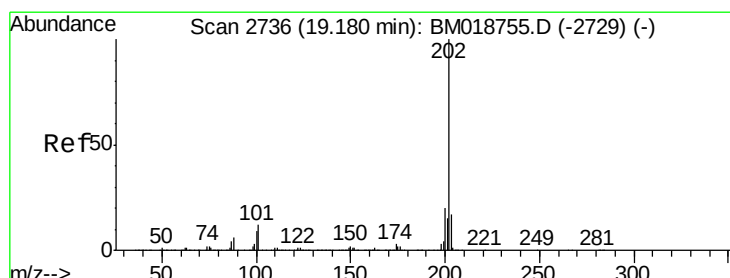
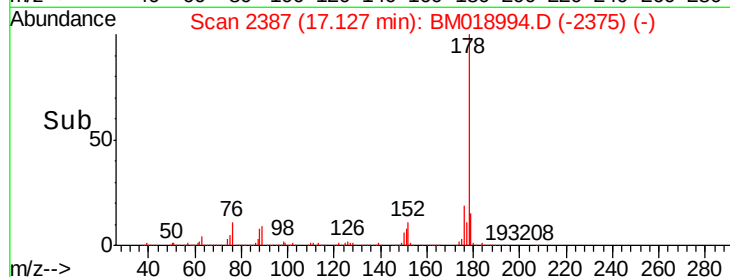
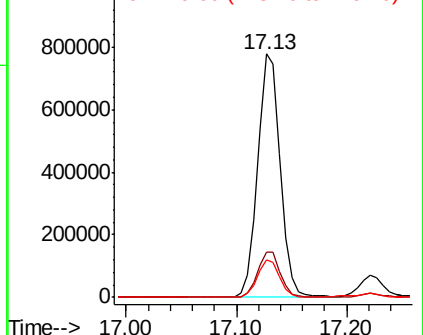


Abundance

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



#75

Fluoranthene

Concen: 15.204 ng

RT: 19.15 min Scan# 2731

Delta R.T. -0.03 min

Lab File: BM018994.D

Acq: 01 Mar 2019 19:32

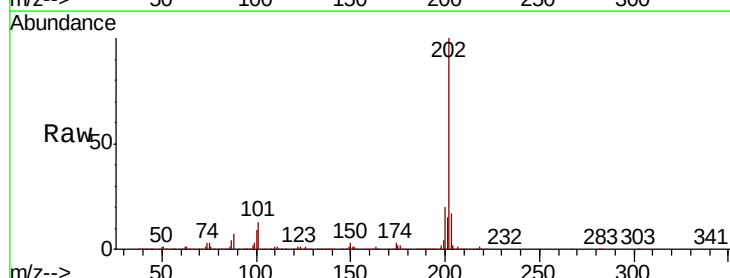
Tgt Ion:202 Resp: 1288961

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.5

203 17.3 0.0 37.3

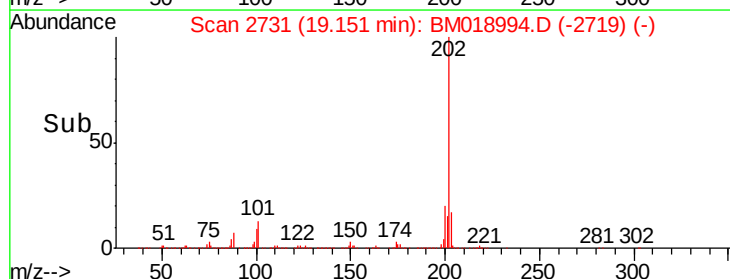
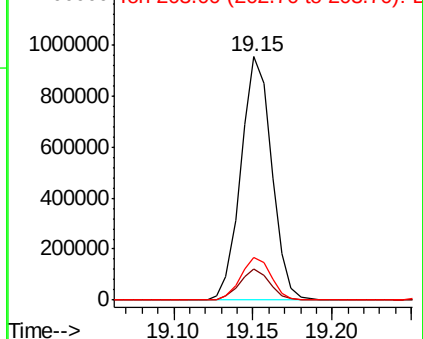


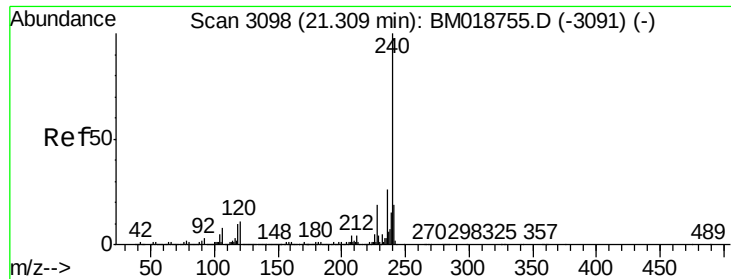
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





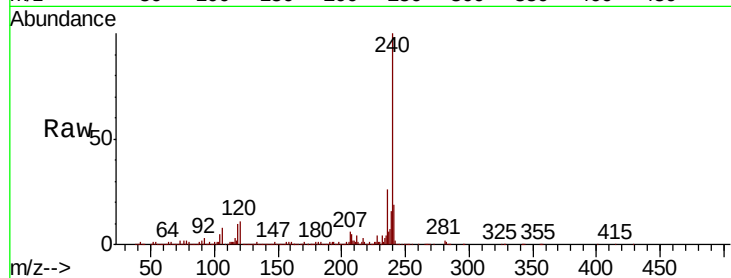
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.29 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampled :
200051

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.7	20.9	31.3

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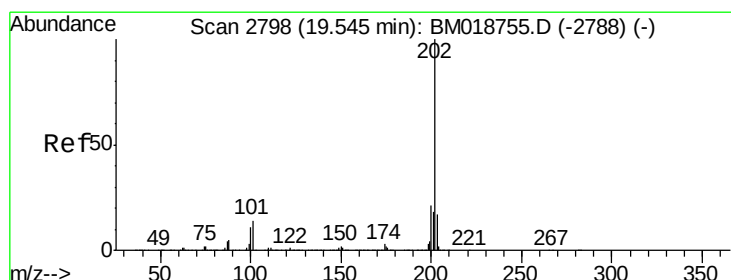
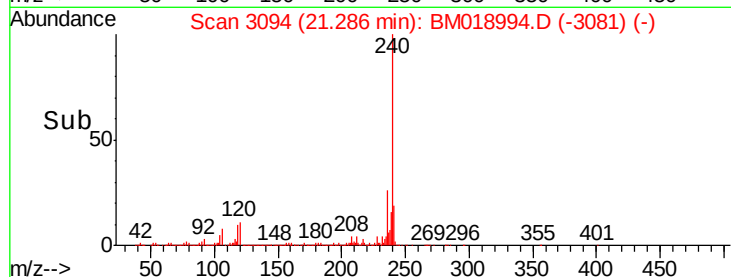
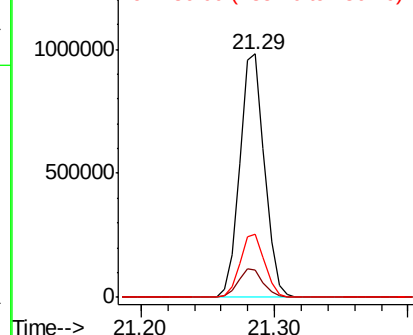


Abundance

Ion 240.00 (239.70 to 240.70): E

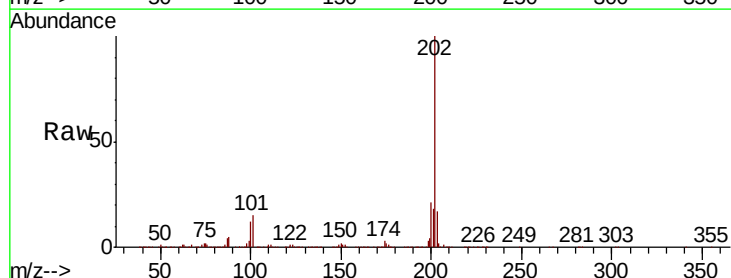
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 13.598 ng
RT: 19.52 min Scan# 2793
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	17.3	13.8	20.8

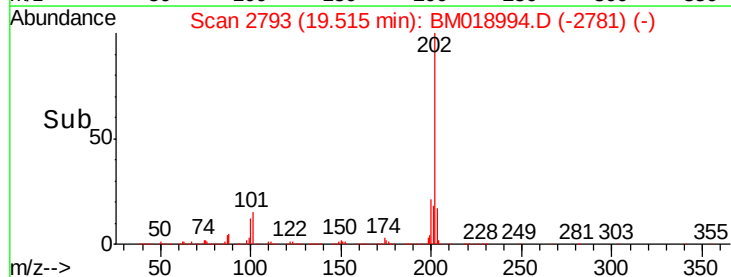
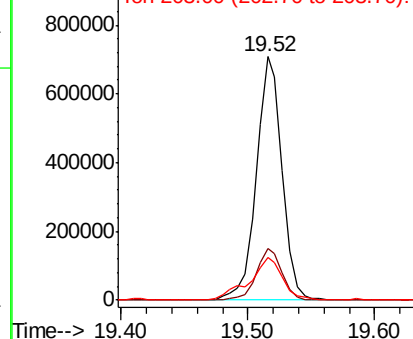


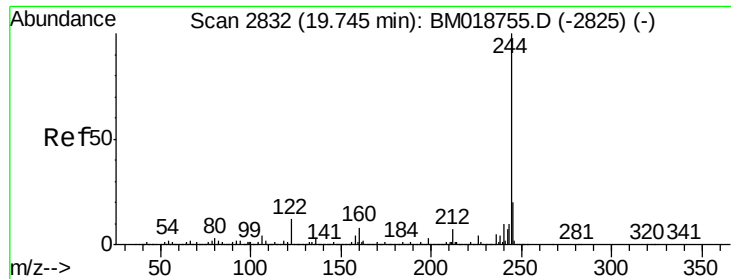
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





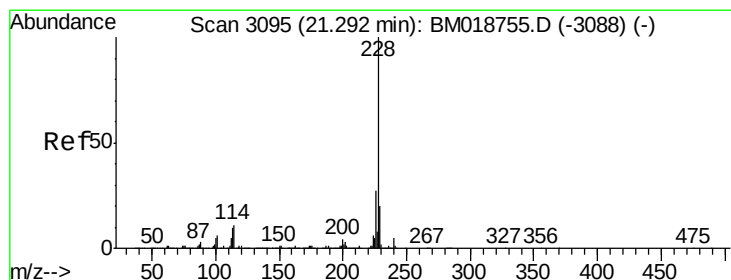
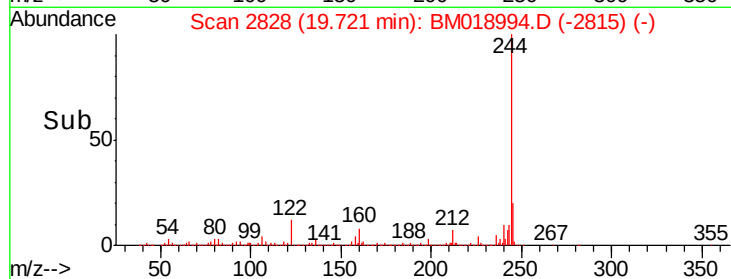
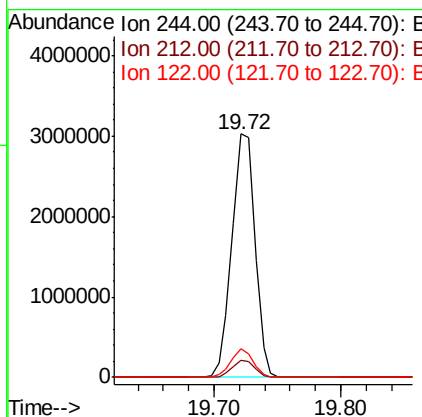
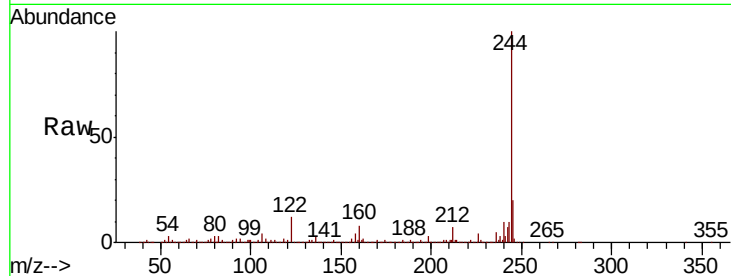
#79
 Terphenyl-d14
 Concen: 62.302 ng
 RT: 19.72 min Scan# 2828
 Delta R.T. -0.02 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Instrument :
 BNA_M
 ClientSampled :
 200051

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.9	9.3	13.9

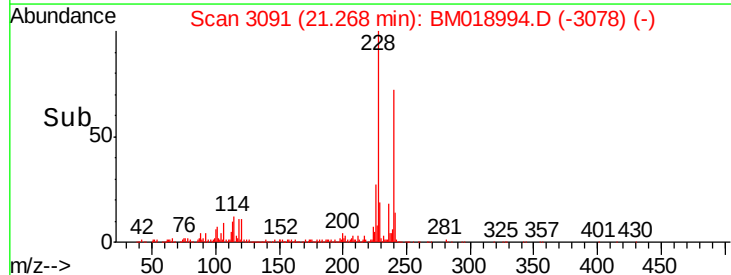
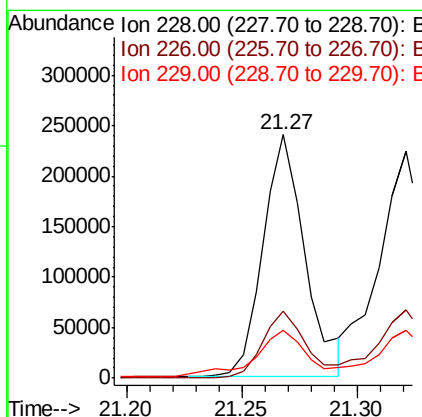
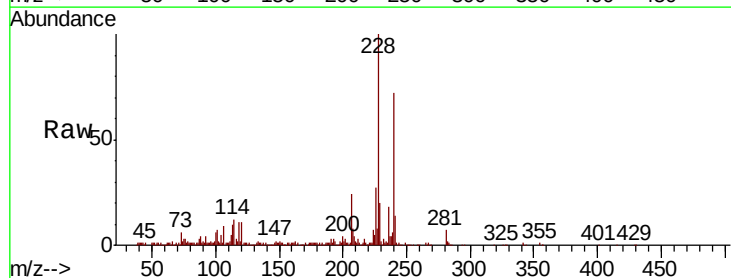
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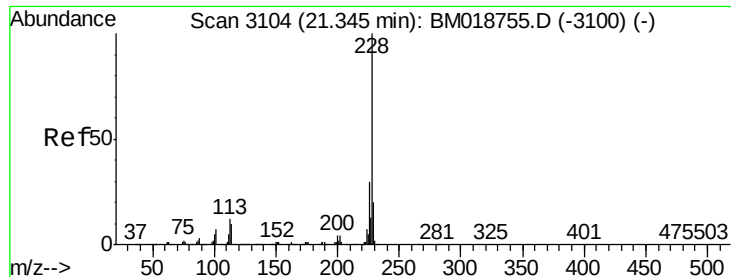
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#81
 Benzo(a)anthracene
 Concen: 4.123 ng
 RT: 21.27 min Scan# 3091
 Delta R.T. -0.02 min
 Lab File: BM018994.D
 Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	19.6	15.9	23.9





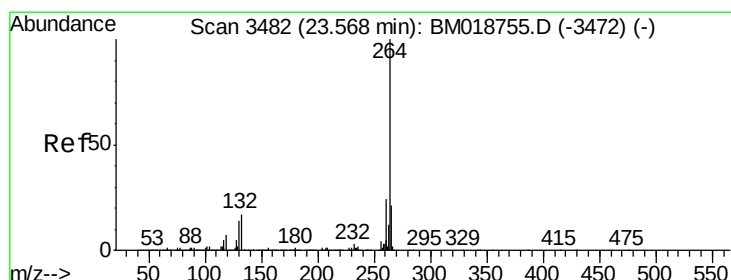
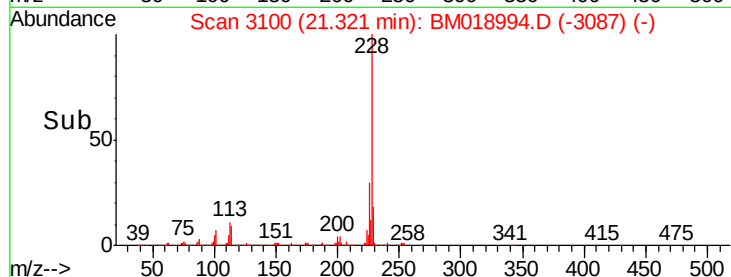
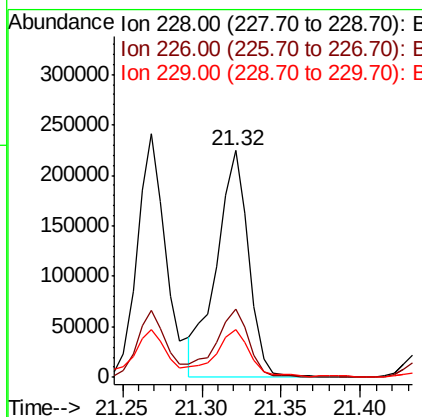
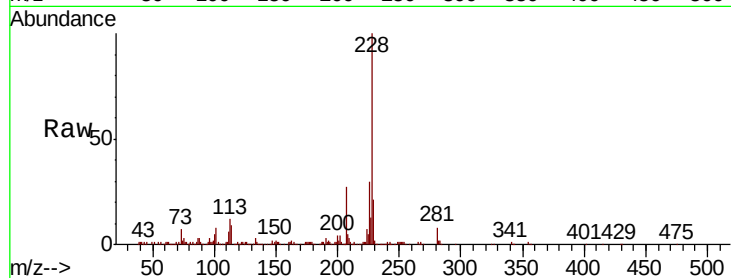
#83
Chrysene
Concen: 4.408 ng
RT: 21.32 min Scan# 3100
Delta R.T. -0.02 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampleId :
200051

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.9	16.0	24.0

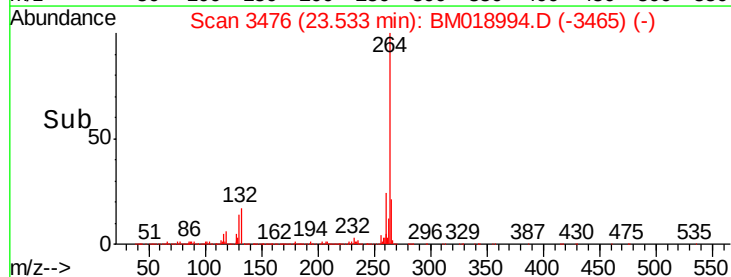
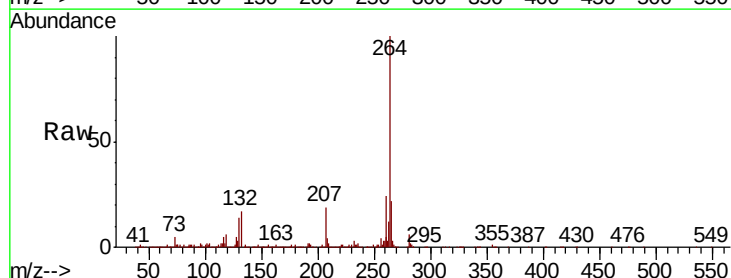
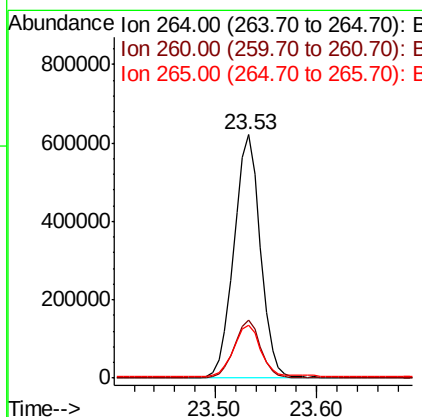
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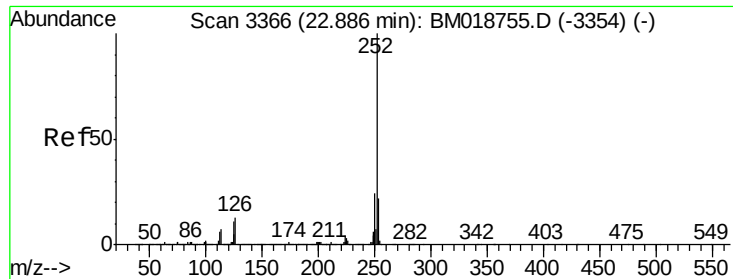
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.9	17.3	25.9





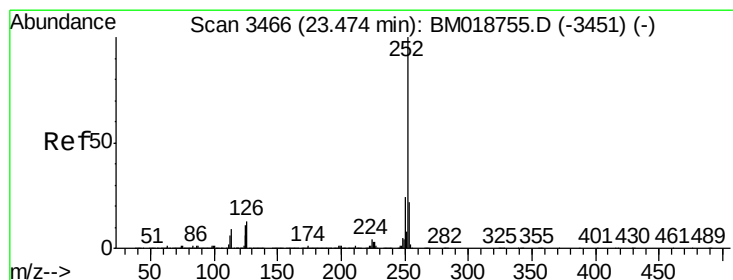
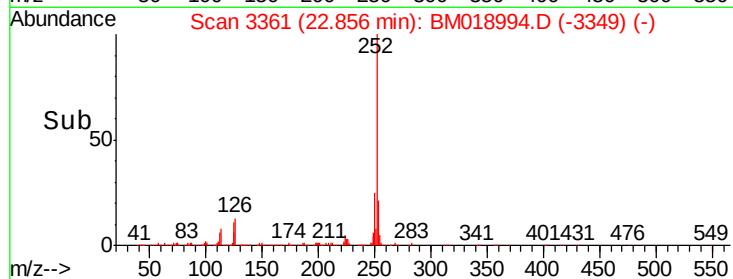
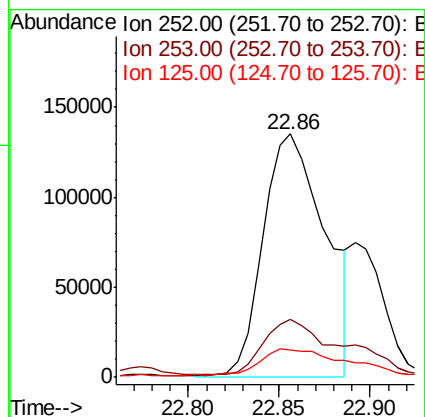
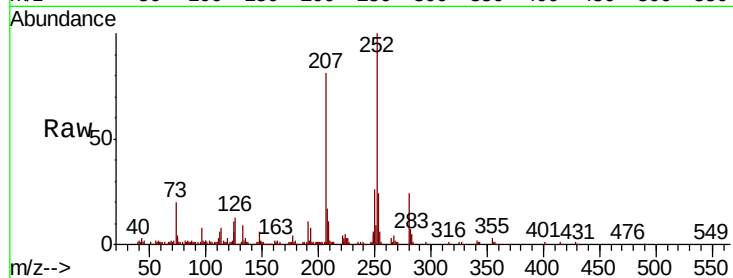
#88
Benzo(b)fluoranthene
Concen: 5.016 ng m
RT: 22.86 min Scan# 3361
Delta R.T. -0.03 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Instrument :
BNA_M
ClientSampled :
200051

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.4	8.6	12.8

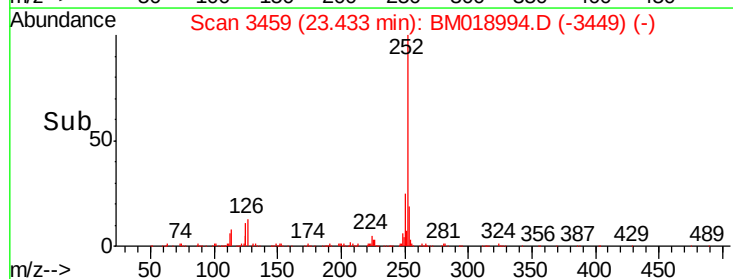
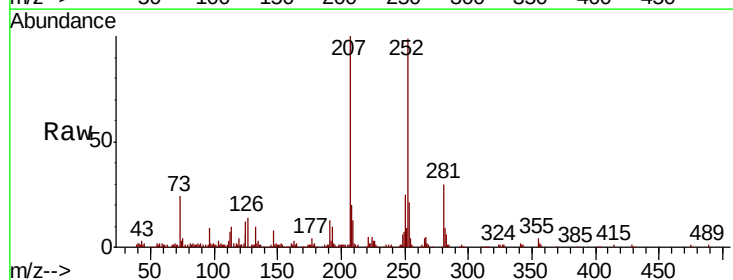
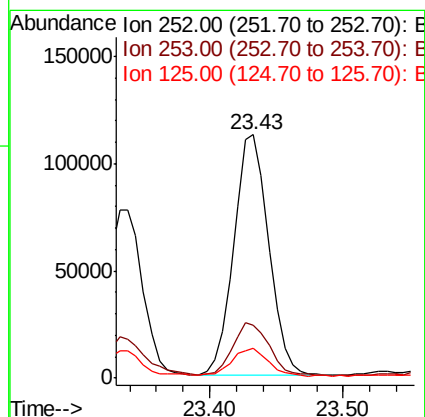
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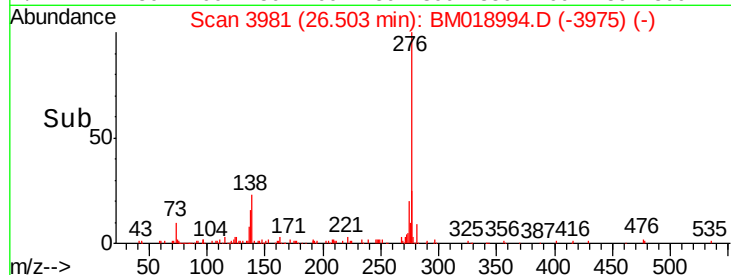
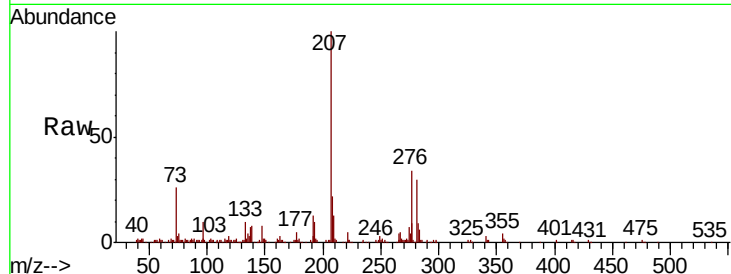
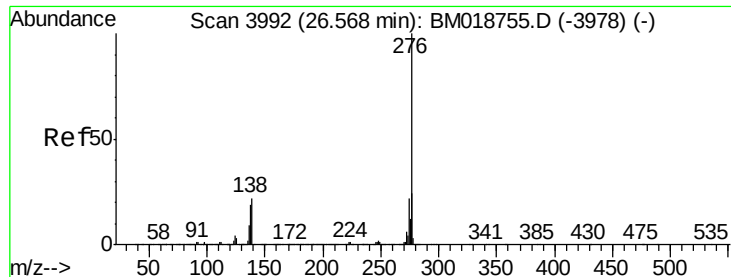
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#90
Benzo(a)pyrene
Concen: 3.363 ng
RT: 23.43 min Scan# 3459
Delta R.T. -0.04 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	12.5	8.6	13.0





#92
Benzo(a,h,i)perylene
Concen: 2.249 ng
RT: 26.50 min Scan# 3981
Delta R.T. -0.06 min
Lab File: BM018994.D
Acq: 01 Mar 2019 19:32

Tot Ion:	276	Resp:	126697
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.2	28.8
138	23.4	17.3	25.9

Instrument :
BNA_M
ClientSampleId :
200051

Manual Integrations
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