

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
 Data File : BM019173.D
 Acq On : 14 Mar 2019 17:29
 Operator : JU/SJ
 Sample : K1899-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-2A

Manual Integrations
 APPROVED

Sohil
 3/15/2019 5:51:10 PM

Quant Time: Mar 15 07:17:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	219926	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1012585	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	666151	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	1559484	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1392179	20.00	ng	0.00
87) Perylene-d12	23.50	264	1226525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	844790	62.21	ng	0.00
7) Phenol-d6	6.85	99	786045	39.57	ng	0.00
23) Nitrobenzene-d5	8.83	82	1845202	86.14	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1285610	130.71	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	4003935	78.18	ng	0.00
79) Terphenyl-d14	19.70	244	6263513	89.32	ng	0.00
Target Compounds						
10) Phenol	6.87	94	58260	2.721	ng	Qvalue # 1
17) 2-Methylphenol	8.11	107	174031	12.475	ng	93
20) 3+4-Methylphenols	8.44	107	62946	3.324	ng	# 76
27) 2,4-Dimethylphenol	9.64	122	342604m	24.955	ng	
31) Naphthalene	10.50	128	38546730m	722.246	ng	
37) 2-Methylnaphthalene	12.13	142	21004321	541.584	ng	95
38) 1-Methylnaphthalene	12.36	142	21074723	551.301	ng	# 94
46) 1,1'-Biphenyl	13.15	154	4736851	81.423	ng	99
49) Acenaphthylene	14.03	152	179273	2.442	ng	# 46
52) Acenaphthene	14.39	154	7486797	177.454	ng	99
55) Dibenzofuran	14.72	168	6893368	101.314	ng	99
58) Fluorene	15.37	166	4263767	76.025	ng	99
71) Phenanthrene	17.11	178	3439637	37.630	ng	100
72) Anthracene	17.20	178	646455	7.224	ng	98
73) Carbazole	17.49	167	1475051	17.465	ng	100
75) Fluoranthene	19.13	202	254500	2.426	ng	97

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

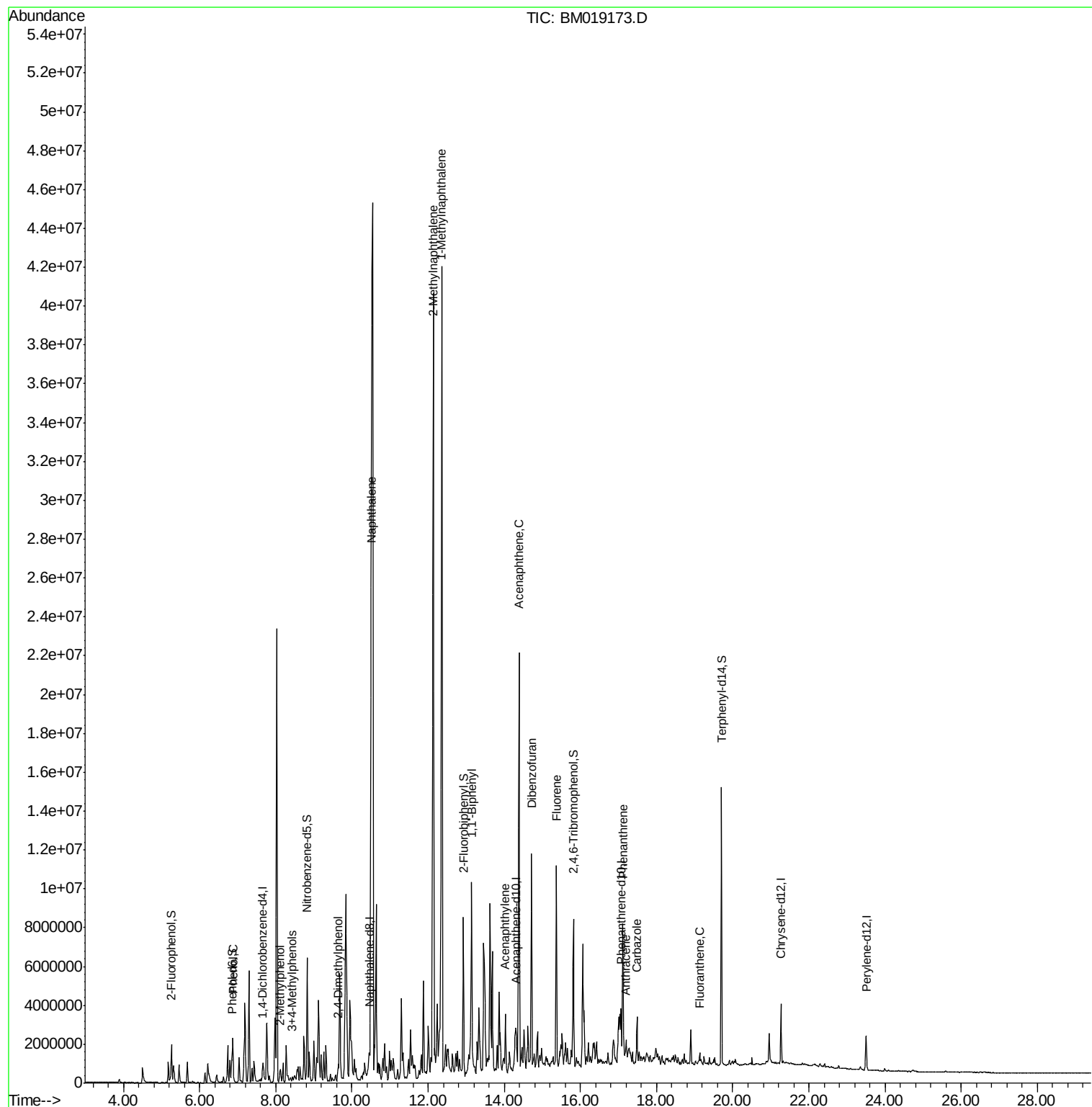
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
Data File : BM019173.D
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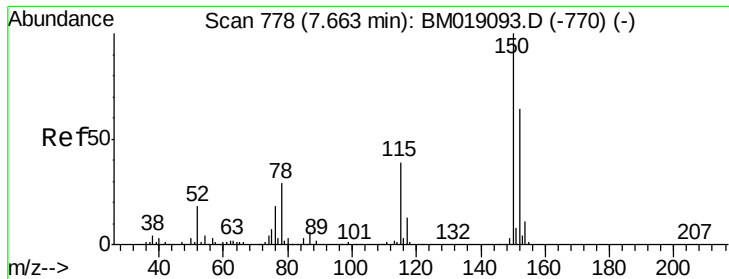
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

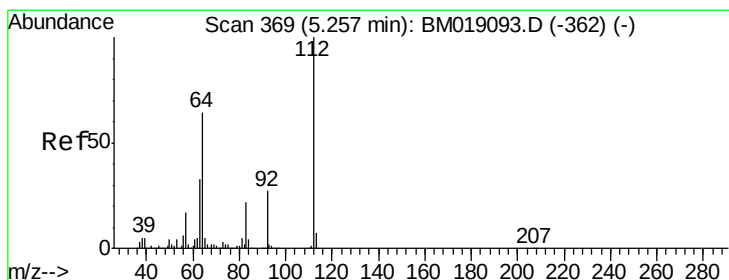
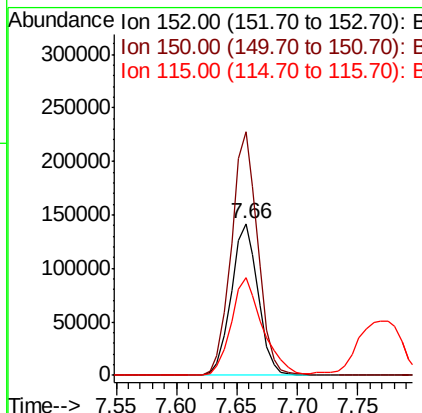
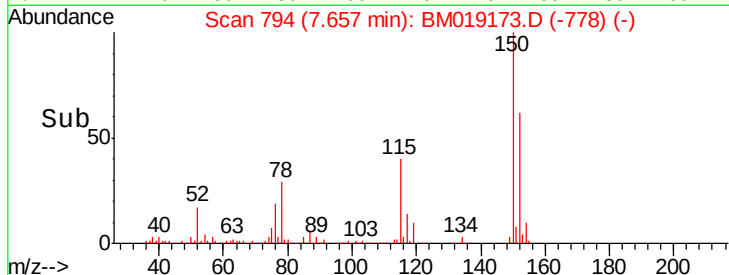
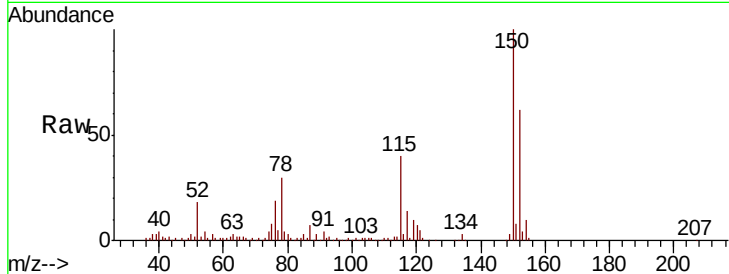
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Instrument :
BNA_M
ClientSampleId :
MW-2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.3	187.9
115	64.1	49.4	74.0

Manual Integrations
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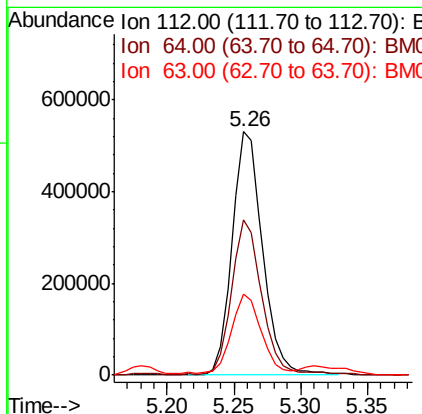
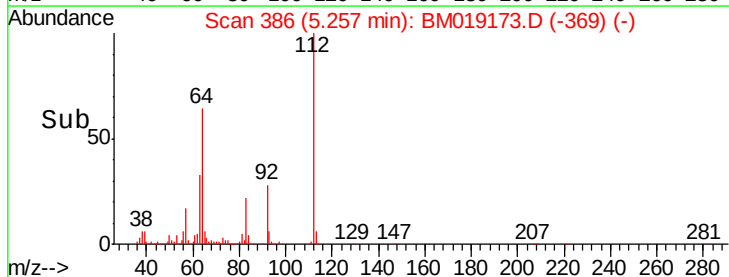
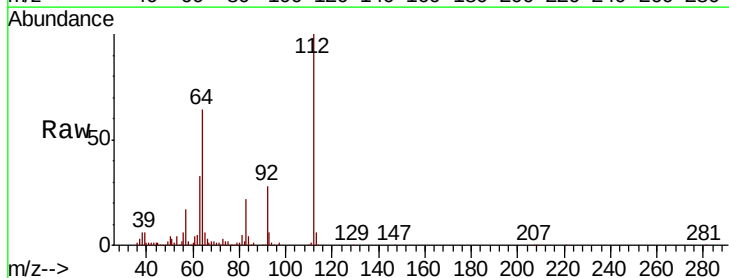
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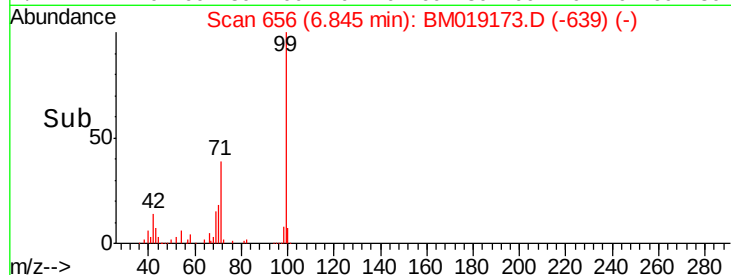
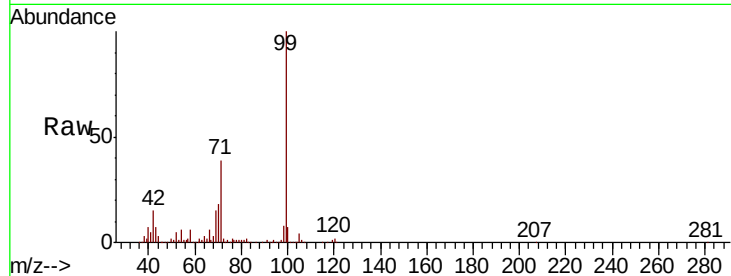
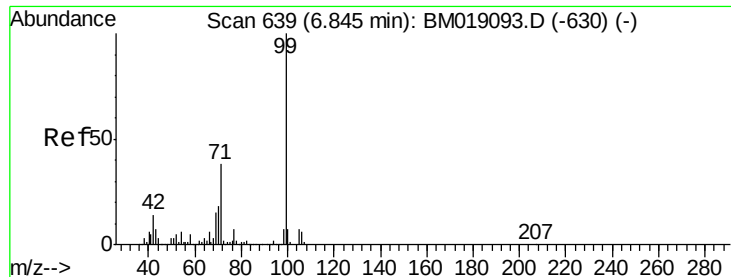


#5

2-Fluorophenol
Concen: 62.208 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.4	77.0
63	33.1	26.6	40.0





#7

Phenol-d6

Concen: 39.572 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Tot Ion:	99	Resp:	786045
Ion Ratio	Lower	Upper	
99	100		
42	14.5	10.9	16.3
71	39.2	30.3	45.5

Instrument :

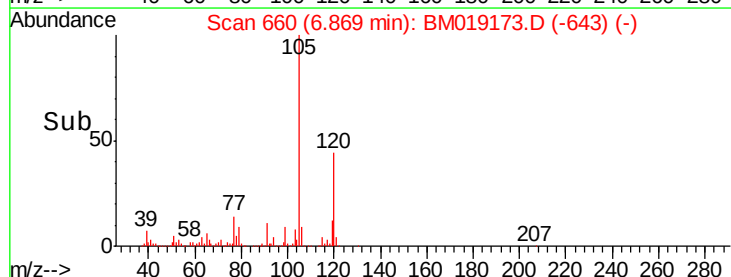
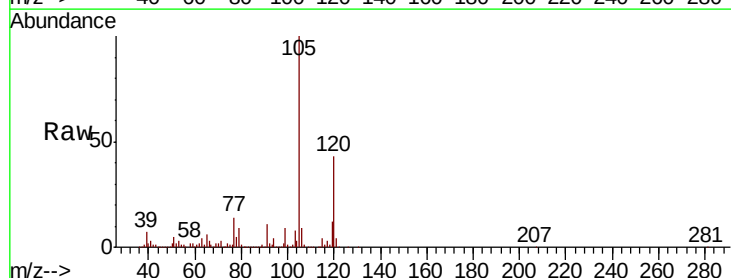
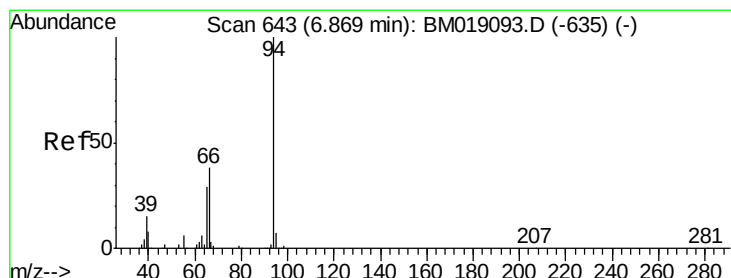
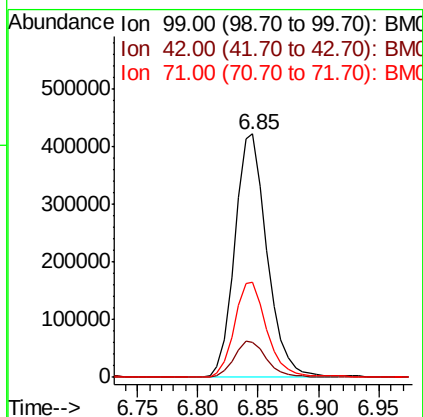
BNA_M

ClientSampled :

MW-2A

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#10

Phenol

Concen: 2.721 ng

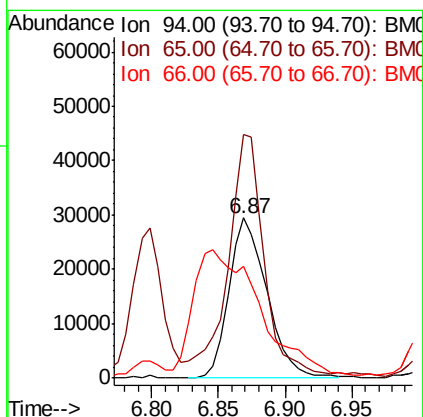
RT: 6.87 min Scan# 660

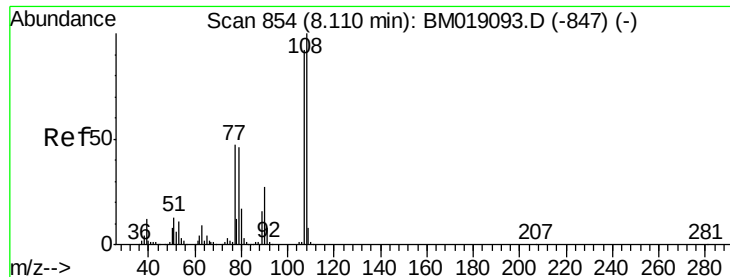
Delta R.T. 0.00 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Tgt Ion:	94	Resp:	58260
Ion Ratio	Lower	Upper	
94	100		
65	152.2	9.7	49.7#
66	69.8	19.2	59.2#





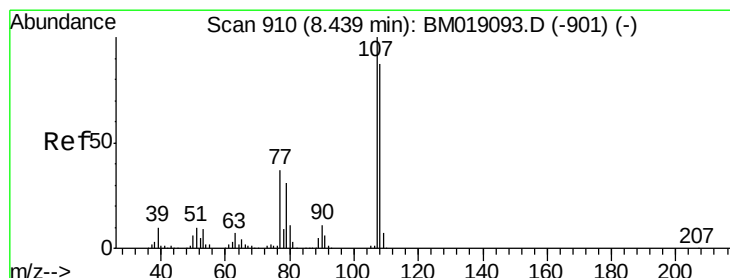
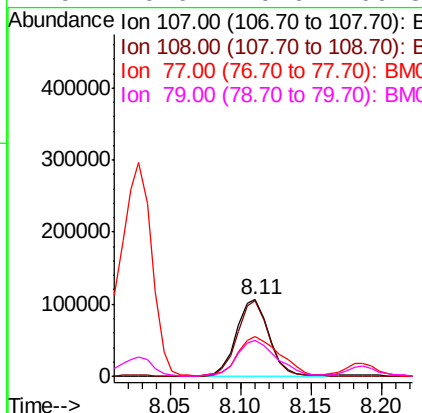
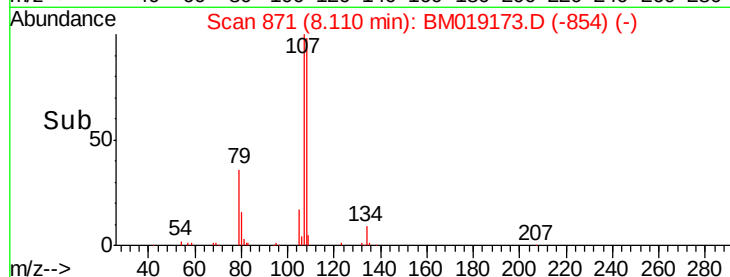
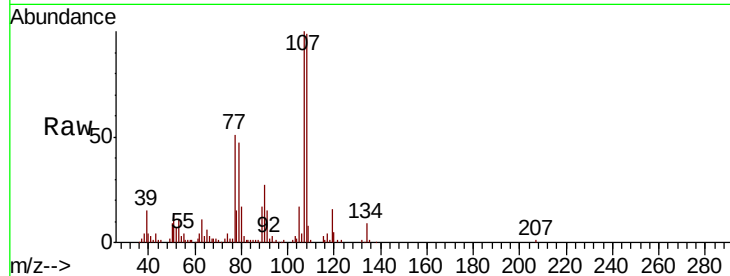
#17
2-Methylphenol
Concen: 12.475 ng
RT: 8.11 min Scan# 871
Delta R.T. 0.00 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Instrument :
BNA_M
ClientSampled :
MW-2A

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	99.1	87.4	131.2	
77	51.2	41.6	62.4	
79	46.6	40.6	60.8	

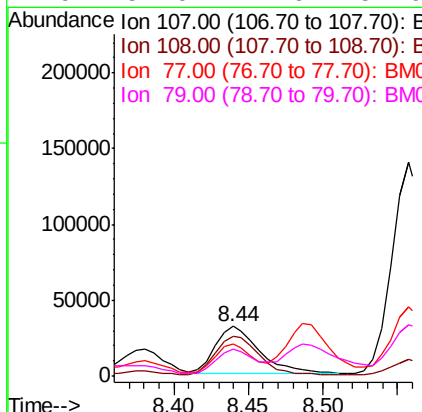
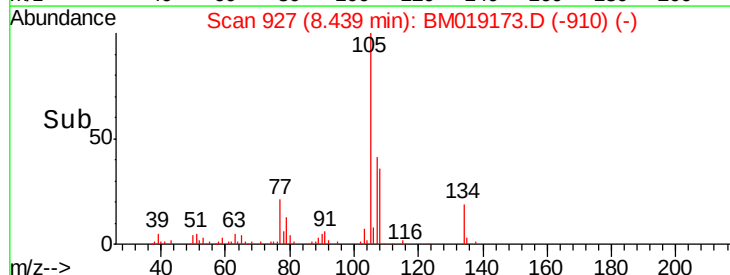
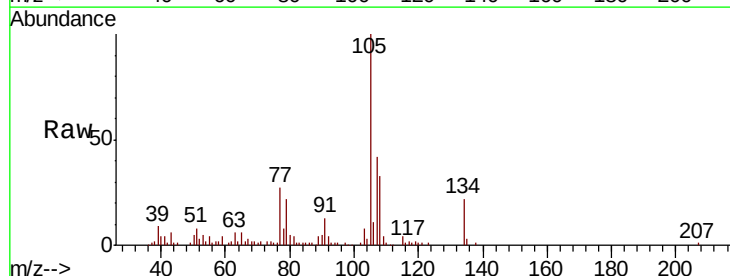
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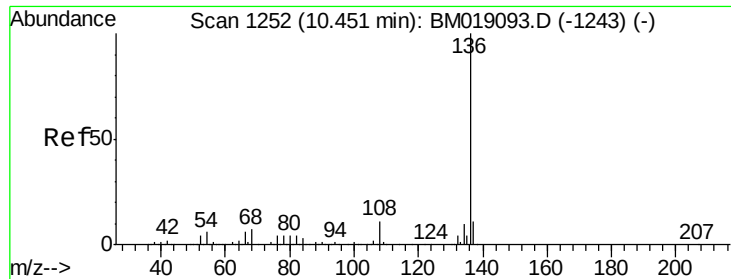
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#20
3+4-Methylphenols
Concen: 3.324 ng
RT: 8.44 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	80.0	67.0	107.0	
77	65.1	17.3	57.3#	
79	54.0	11.6	51.6#	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

ClientSampled :

MW-2A

Tot Ion:136 Resp: 1012585

Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

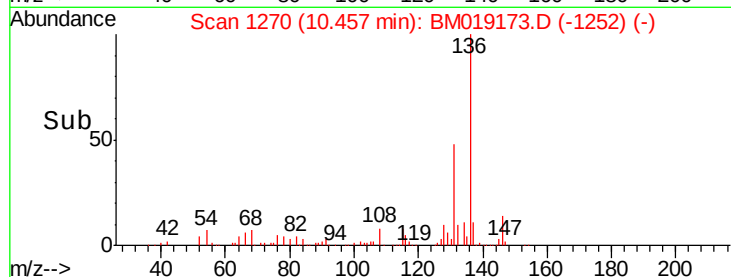
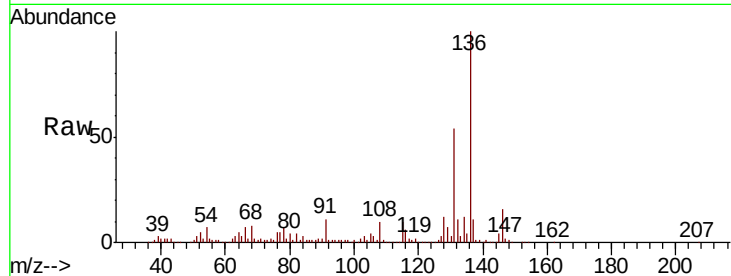
54 7.1 5.2 7.8

68 8.0 5.8 8.8

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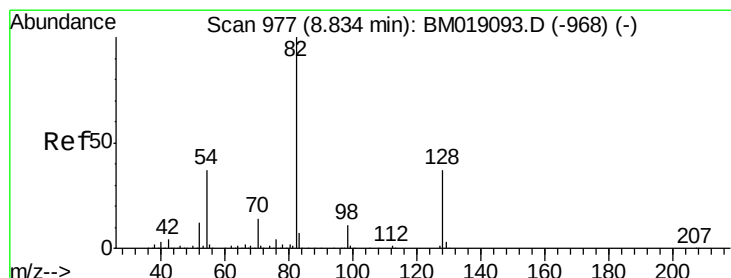
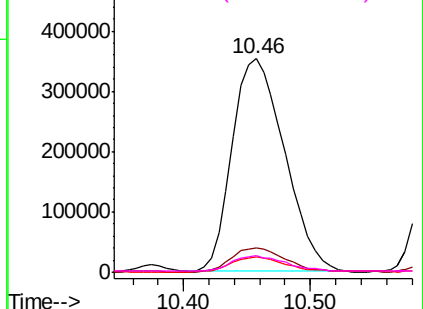


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 86.139 ng

RT: 8.83 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

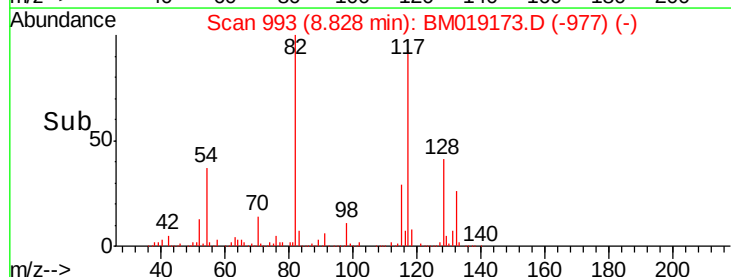
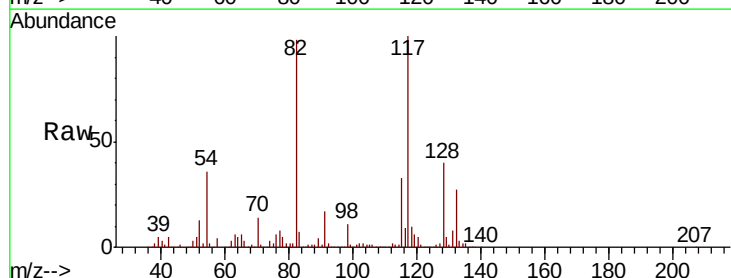
Tgt Ion: 82 Resp: 1845202

Ion Ratio Lower Upper

82 100

128 41.1 29.4 44.2

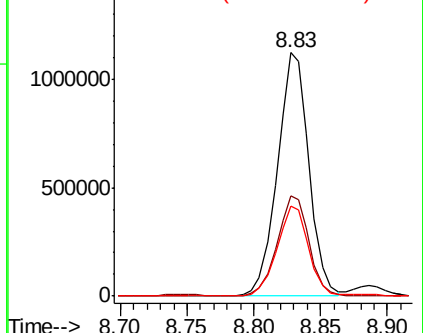
54 36.9 29.9 44.9

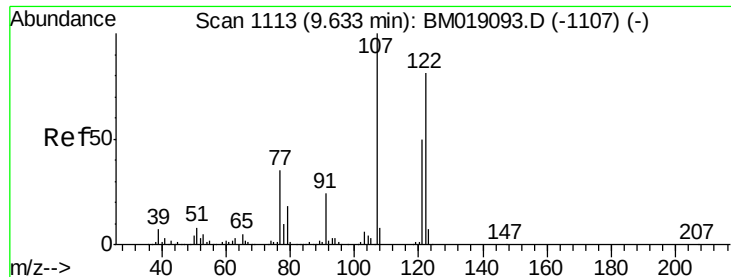


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#27

2,4-Dimethylphenol

Concen: 24.955 ng m

RT: 9.64 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

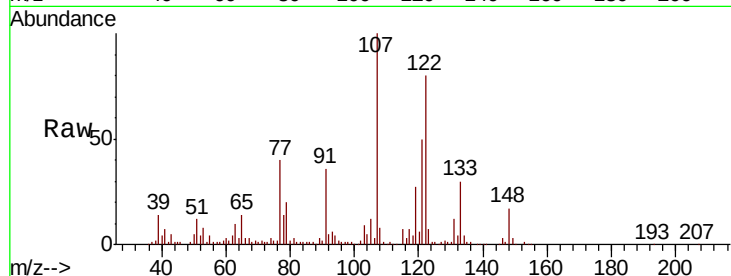
ClientSampled :

MW-2A

Tot Ion:	122	Resp:	342604
Ion Ratio	Lower	Upper	
122	100		
107	124.5	98.2	147.4
121	61.8	48.8	73.2

Manual Integrations
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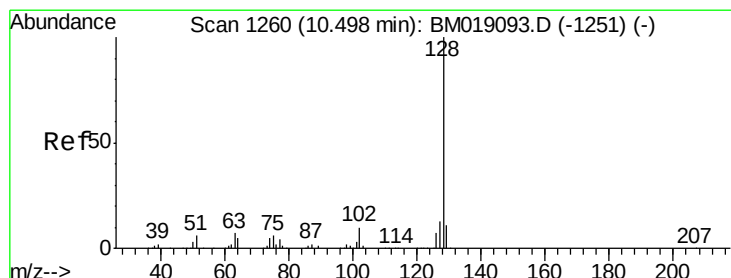
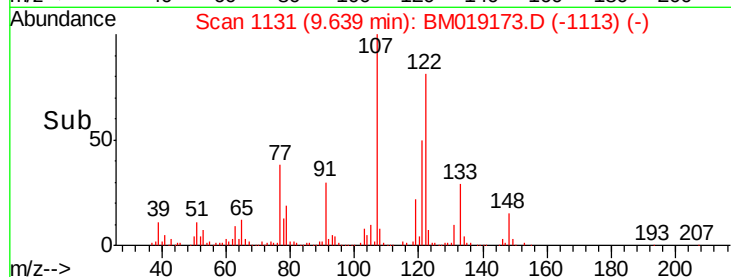
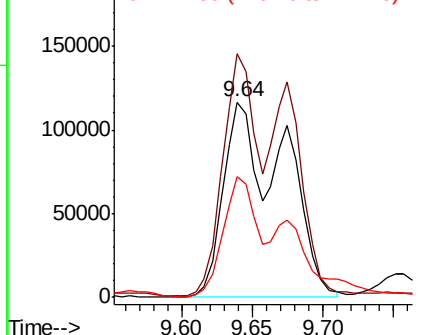


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 722.246 ng m

RT: 10.50 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

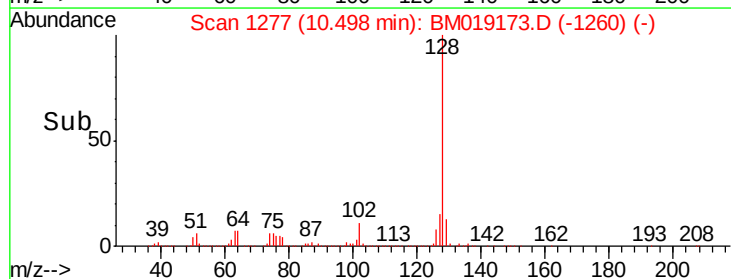
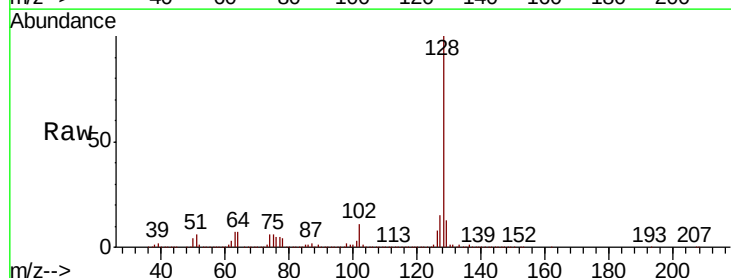
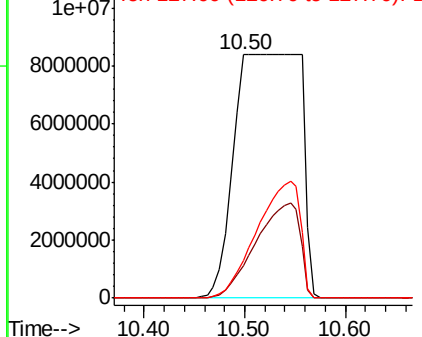
Tgt Ion:	128	Resp:	38546730
Ion Ratio	Lower	Upper	
128	100		
129	13.2	8.6	13.0#
127	15.3	10.4	15.6

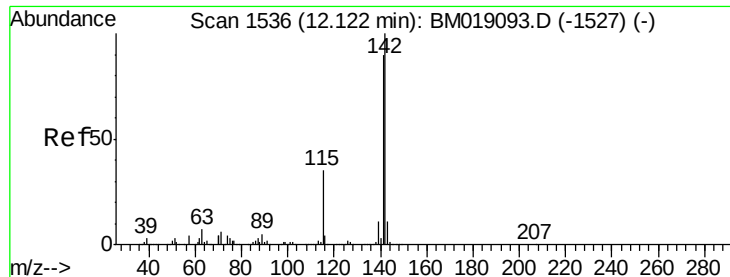
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





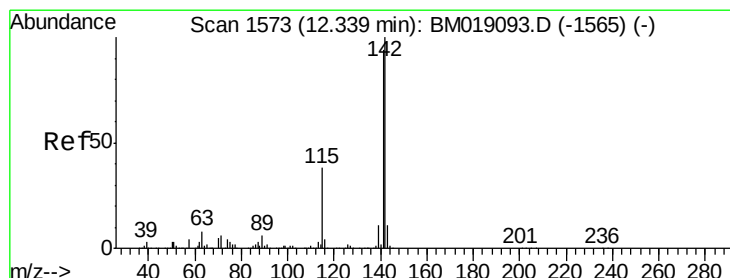
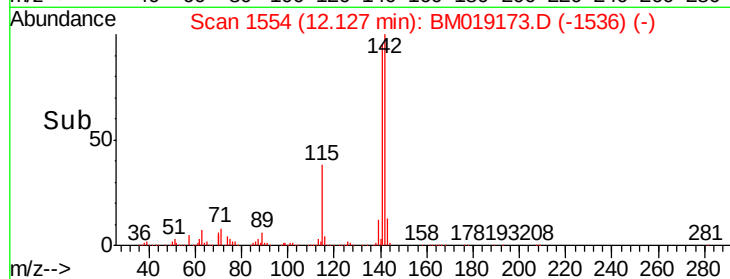
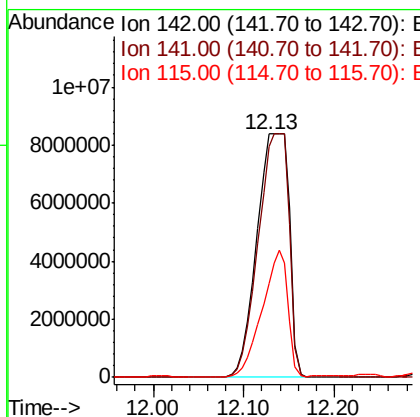
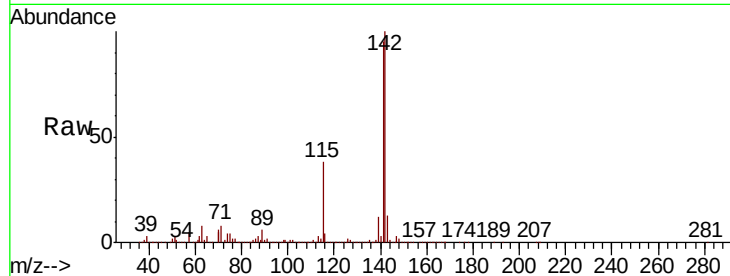
#37
2-Methylnaphthalene
Concen: 541.584 ng
RT: 12.13 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Instrument :
BNA_M
ClientSampleId :
MW-2A

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.6	72.3	108.5
115	38.4	27.8	41.8

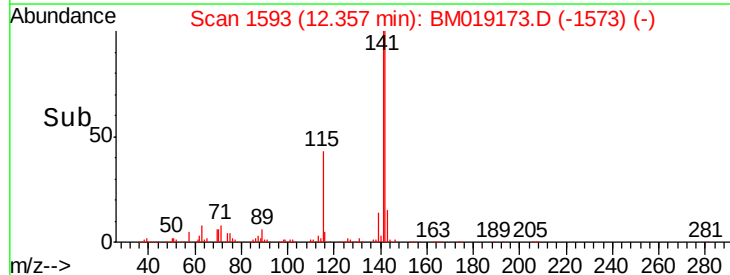
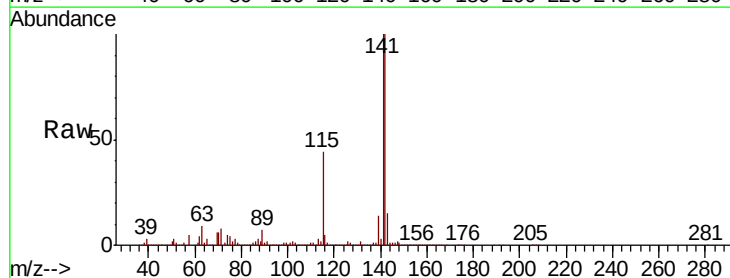
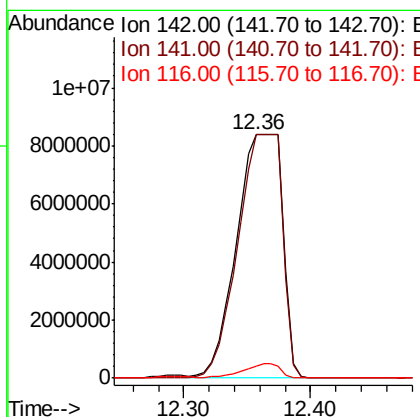
Manual Integrations
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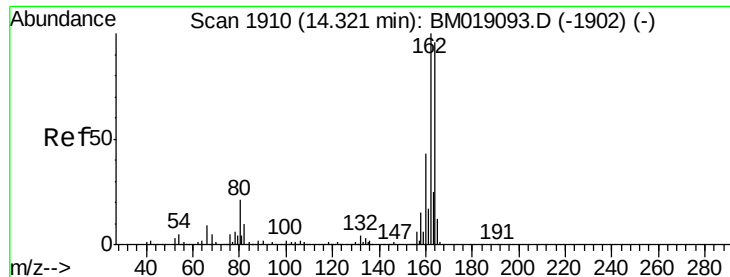
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#38
1-Methylnaphthalene
Concen: 551.301 ng
RT: 12.36 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.0	74.9	112.3
116	5.0	3.2	4.8#





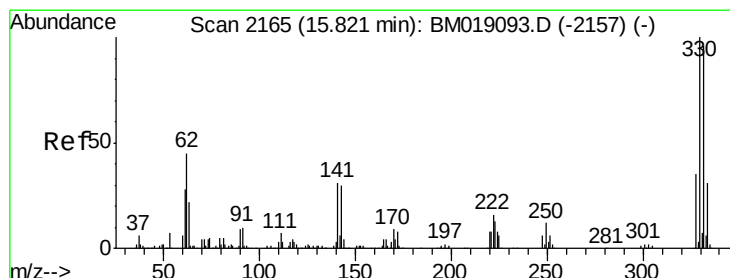
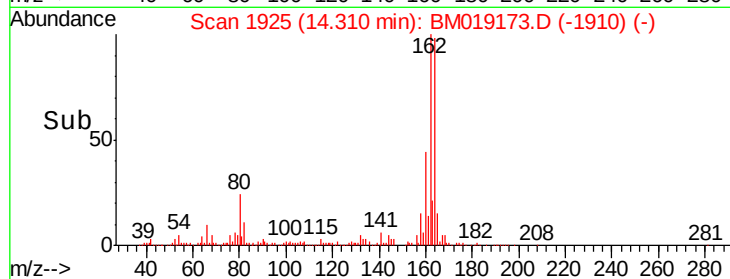
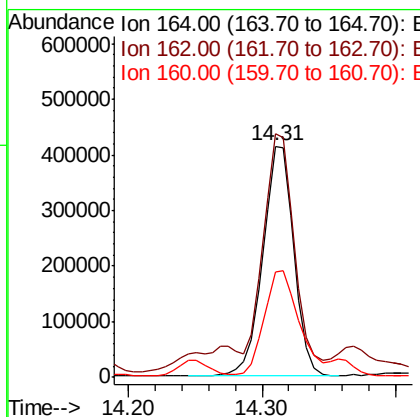
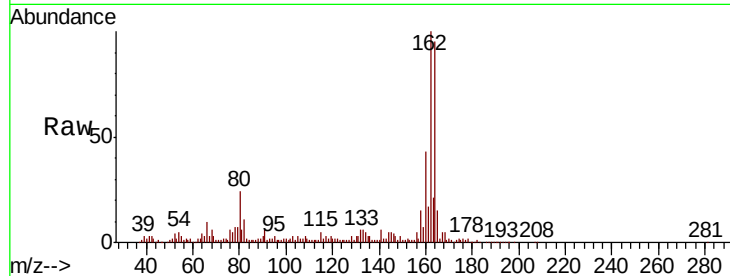
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Instrument :
BNA_M
ClientSampled :
MW-2A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	83.5	125.3	
160	45.7	36.3	54.5	

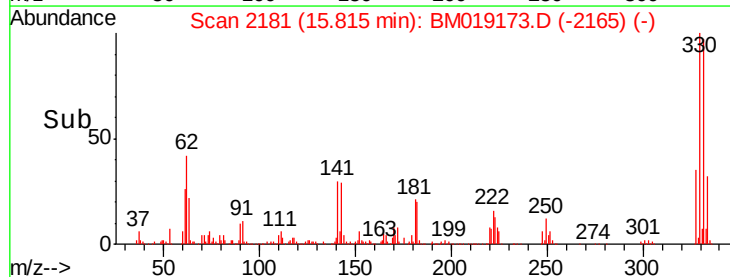
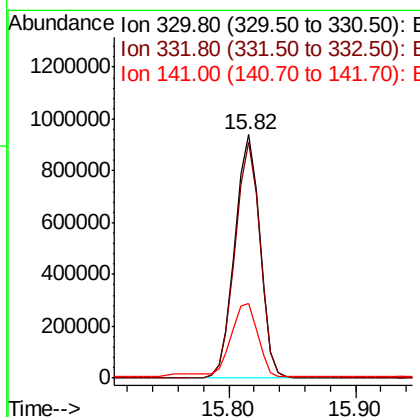
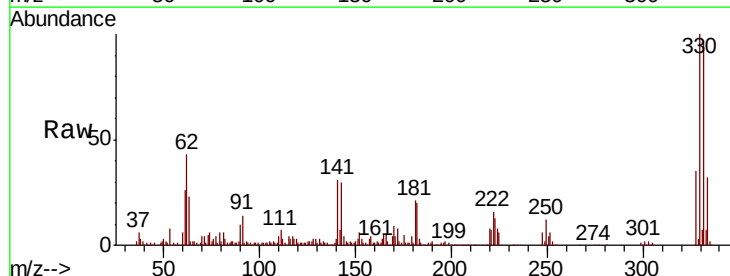
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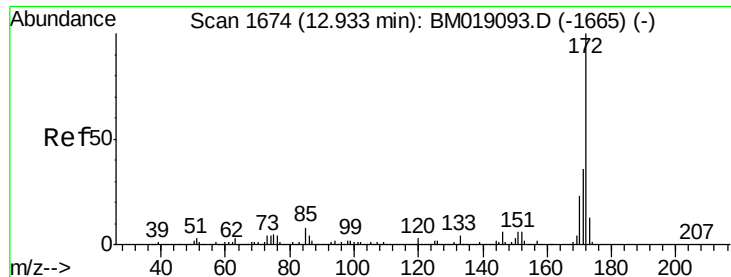
Sohil
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#42
2,4,6-Tribromophenol
Concen: 130.711 ng
RT: 15.82 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.8	115.2	
141	32.0	27.0	40.4	





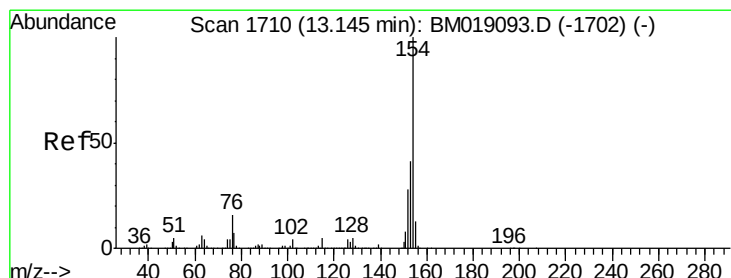
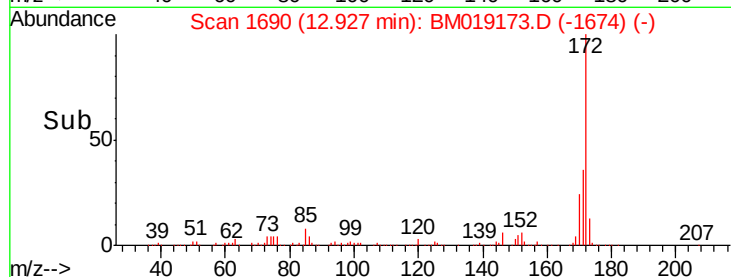
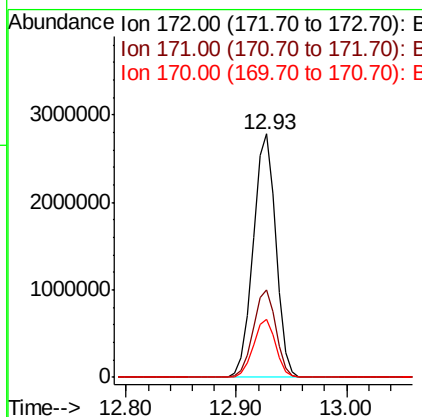
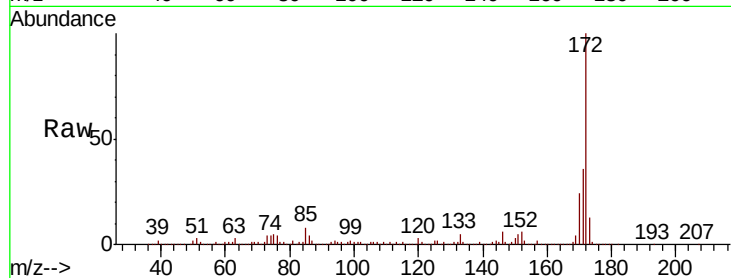
#45
 2-Fluorobiphenyl
 Concen: 78.183 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM019173.D
 Acq: 14 Mar 2019 17:29

Instrument :
 BNA_M
 ClientSampled :
 MW-2A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	23.7	18.6	28.0

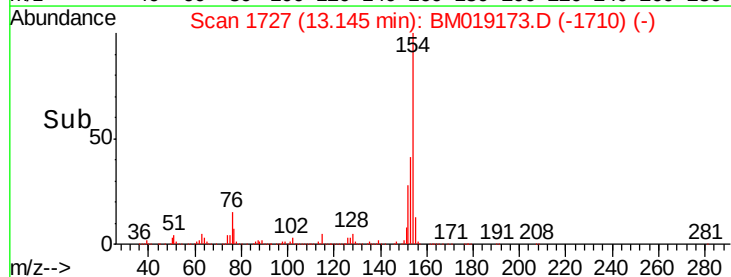
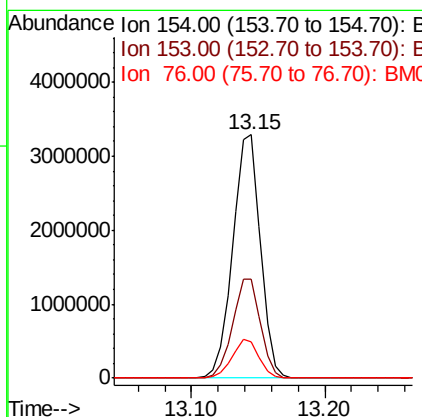
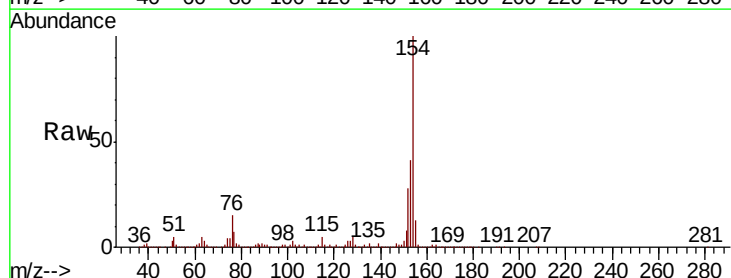
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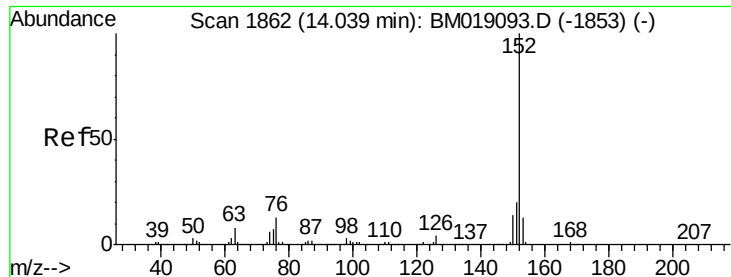
Sohil
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#46
 1,1'-Biphenyl
 Concen: 81.423 ng
 RT: 13.15 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BM019173.D
 Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.5	61.5
76	15.0	0.0	35.8





#49

Acenaphthylene

Concen: 2.442 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

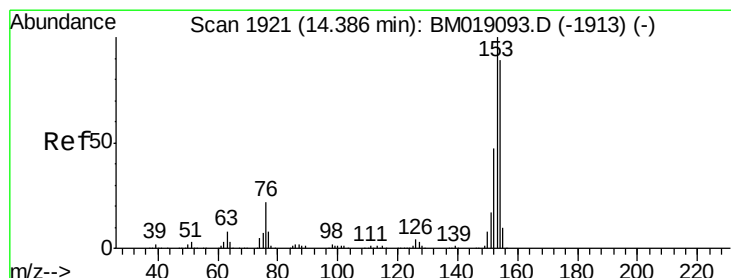
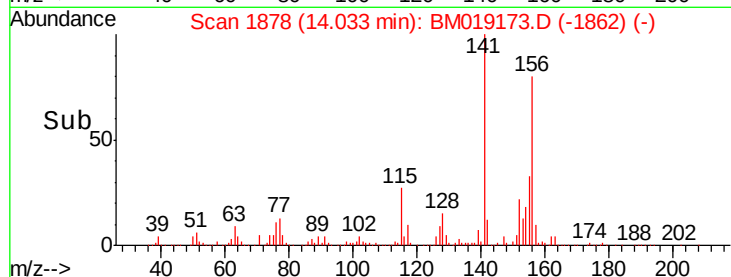
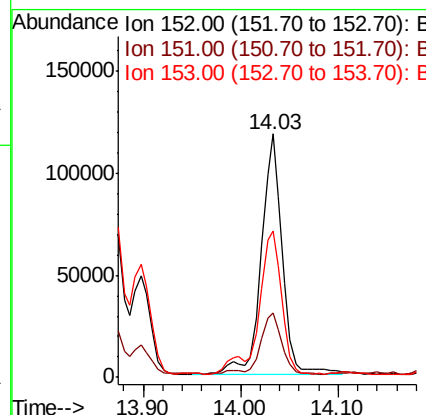
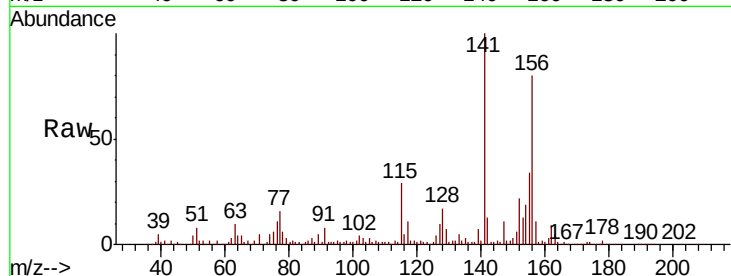
ClientSampleId :

MW-2A

Tot Ion:	152	Resp:	179273
Ion Ratio	Lower	Upper	
152	100		
151	26.2	16.2	24.2#
153	60.1	10.6	15.8#

Manual Integrations
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#52

Acenaphthene

Concen: 177.454 ng

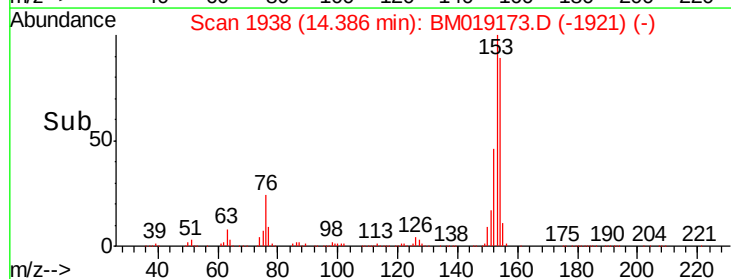
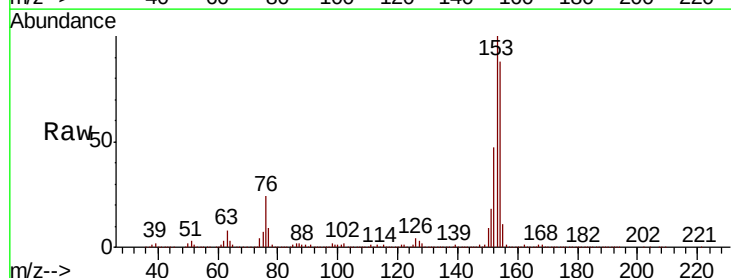
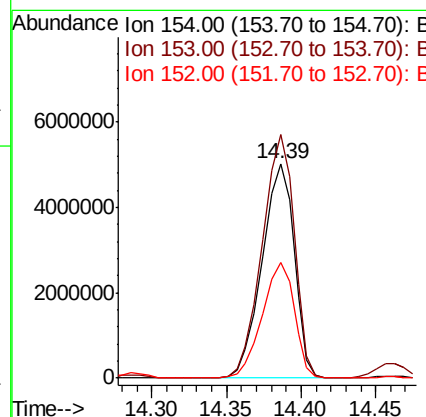
RT: 14.39 min Scan# 1938

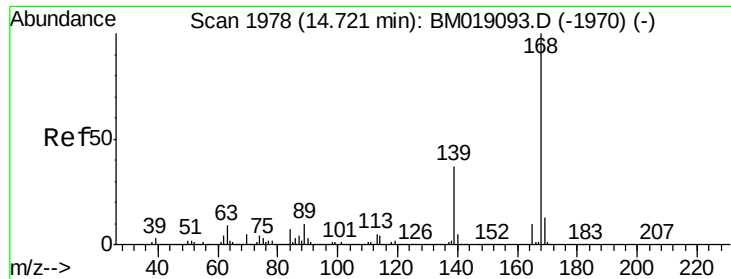
Delta R.T. 0.00 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Tgt Ion:	154	Resp:	7486797
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.1	135.1
152	53.9	42.5	63.7





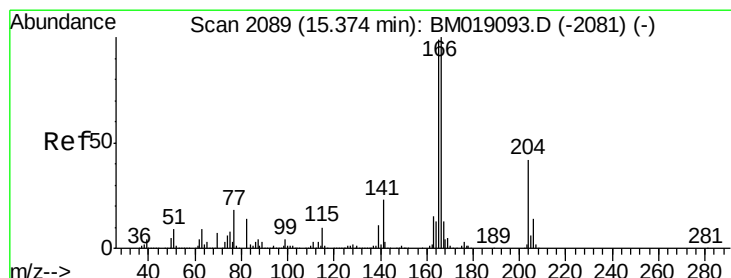
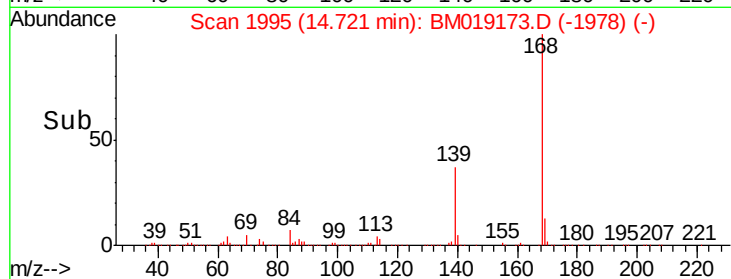
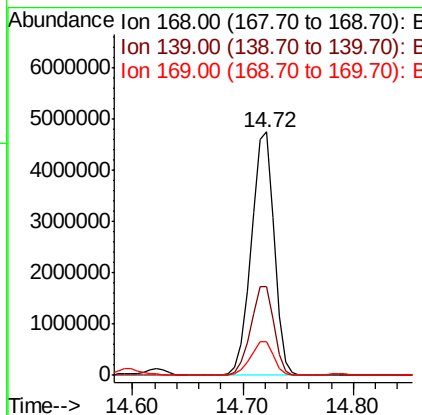
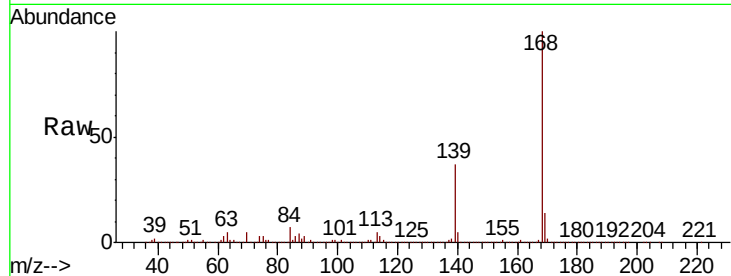
#55
Dibenzenofuran
Concen: 101.314 ng
RT: 14.72 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Instrument :
BNA_M
ClientSampleId :
MW-2A

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	13.6	10.6	16.0

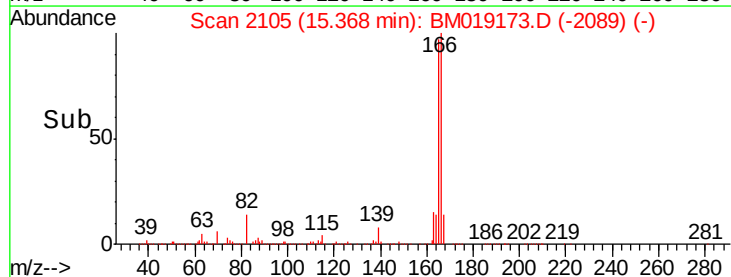
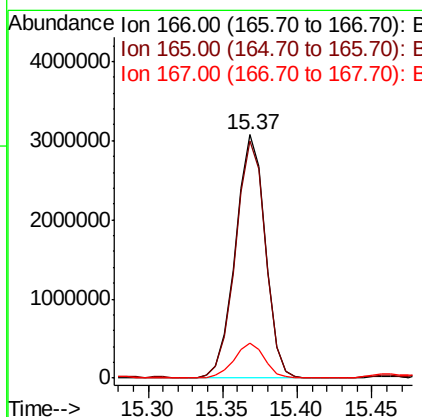
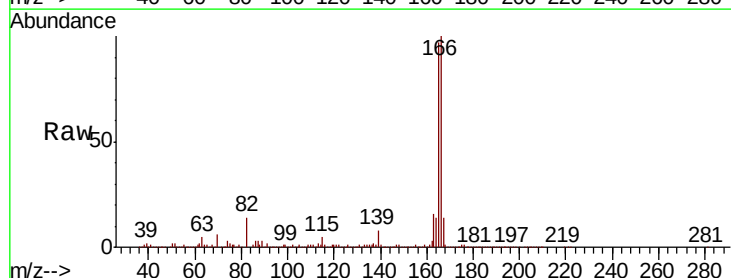
Manual Integrations
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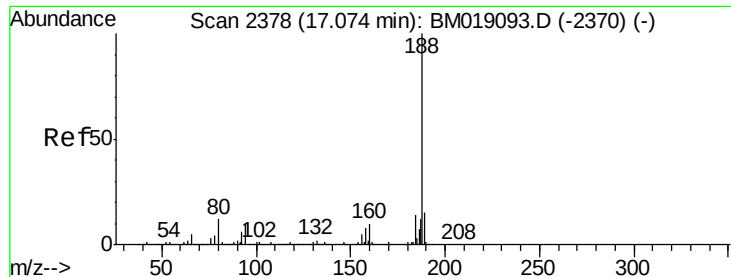
Sohil
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#58
Fluorene
Concen: 76.025 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BM019173.D
Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.0	118.4
167	14.2	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

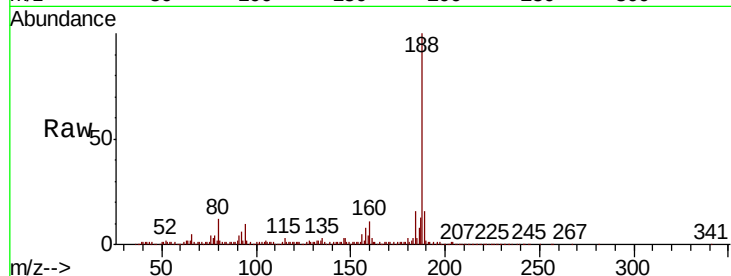
ClientSampled :

MW-2A

Tot Ion:	188	Resp:	1559484
Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	12.5	9.7	14.5

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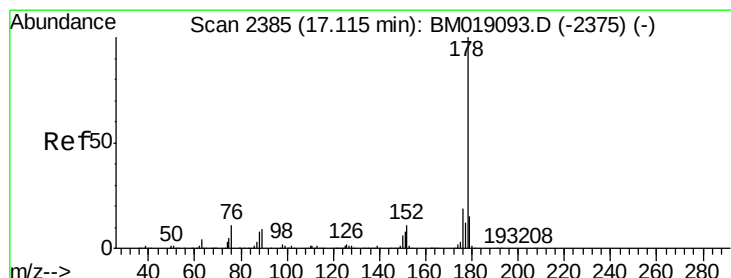
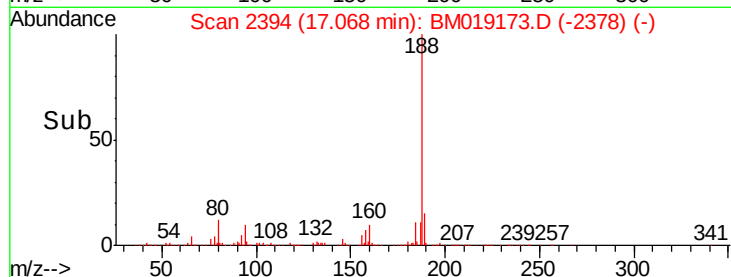
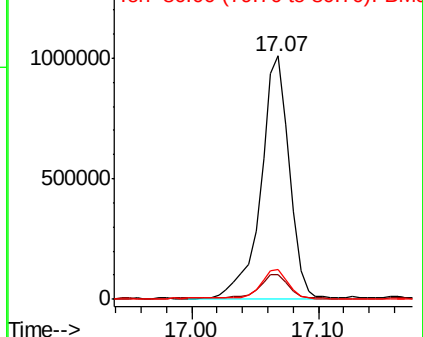
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 37.630 ng

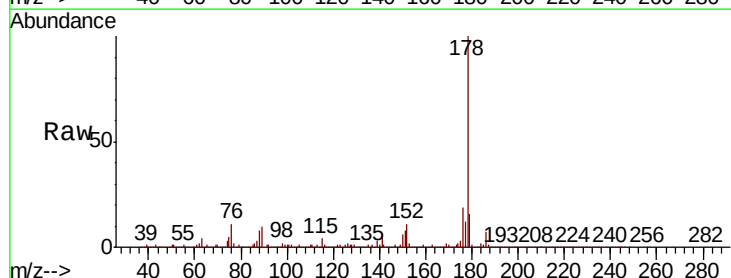
RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

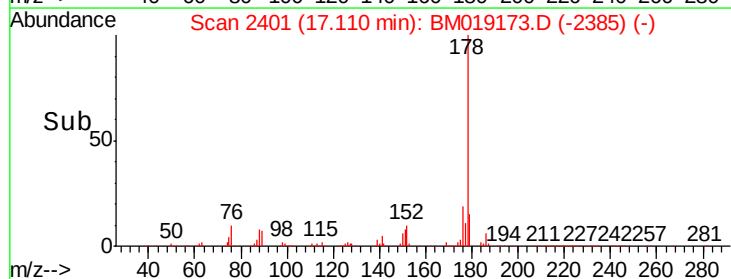
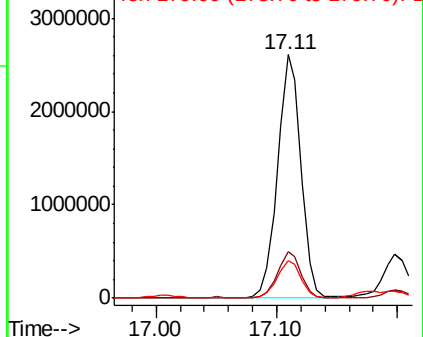
Tgt Ion:	178	Resp:	3439637
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.2	18.2

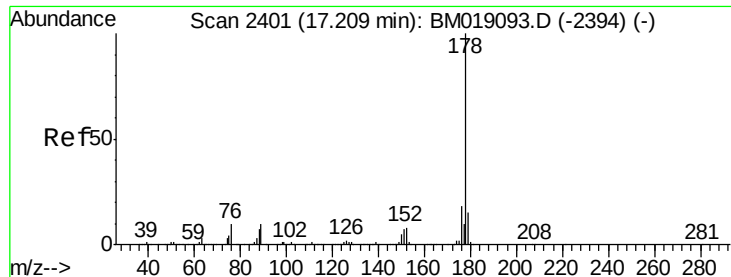


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 7.224 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

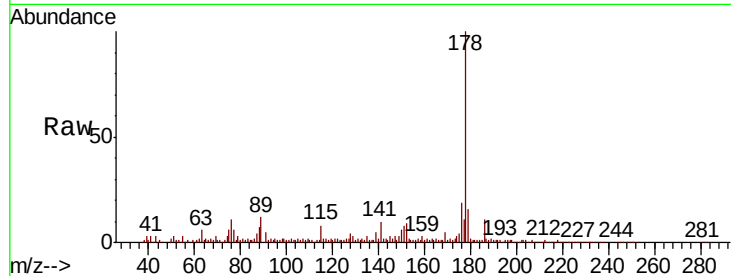
ClientSampleId :

MW-2A

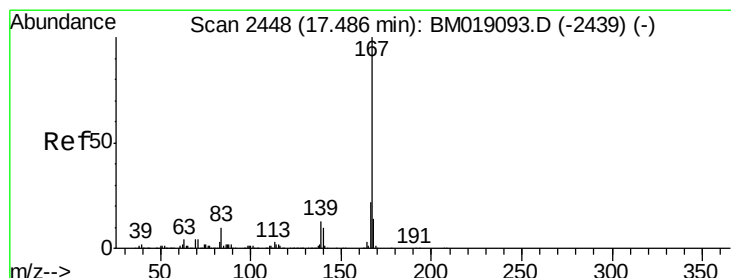
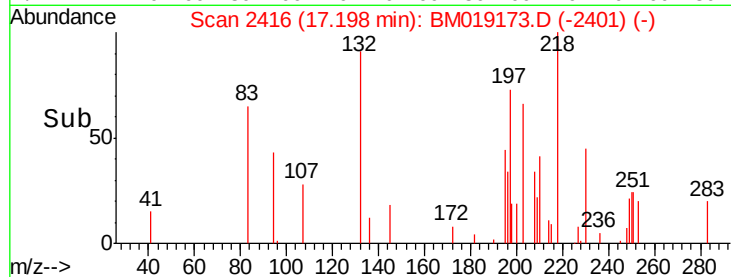
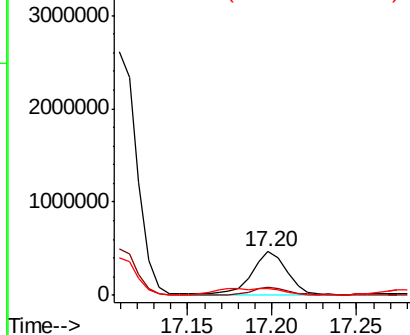
Tot Ion:	178	Resp:	646455
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.6	22.0
179	16.1	11.9	17.9

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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



#73

Carbazole

Concen: 17.465 ng

RT: 17.49 min Scan# 2465

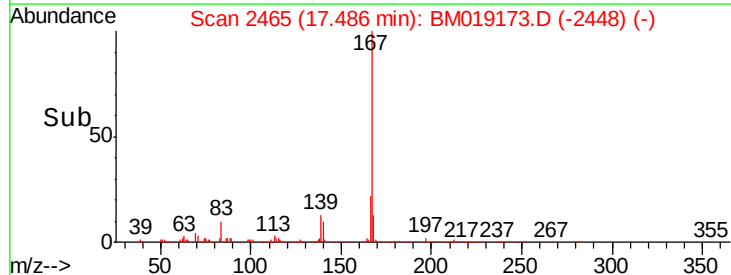
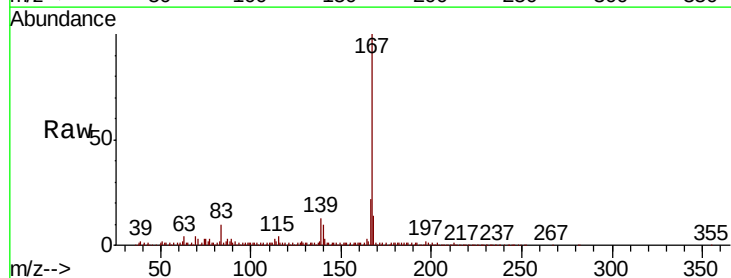
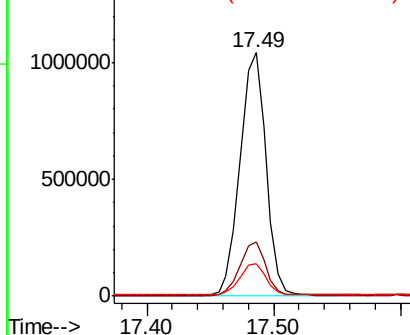
Delta R.T. 0.00 min

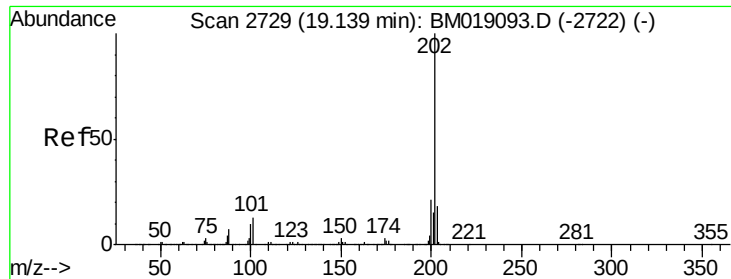
Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Tgt Ion:	167	Resp:	1475051
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.8	26.8
139	13.3	10.5	15.7

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 2.426 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

Instrument :

BNA_M

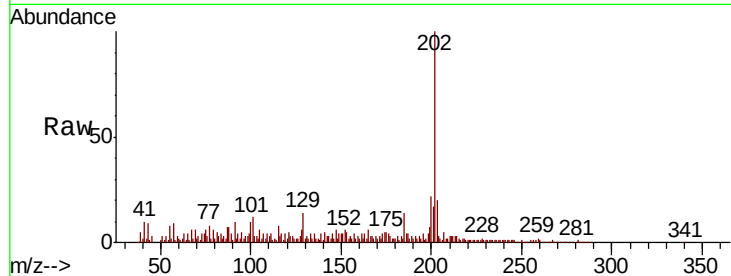
ClientSampled :

MW-2A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.0
203	19.8	0.0	37.8

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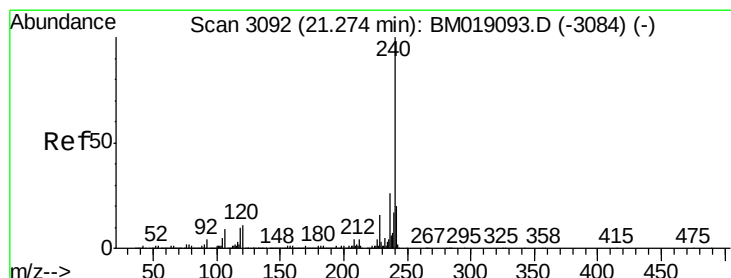
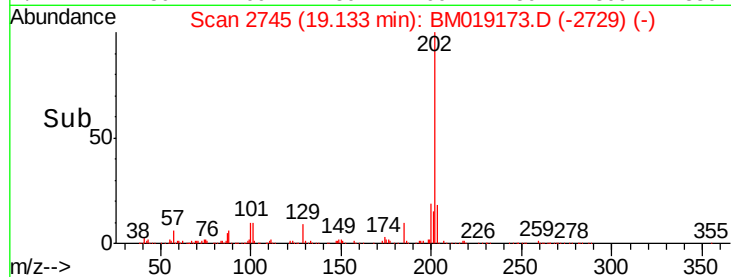
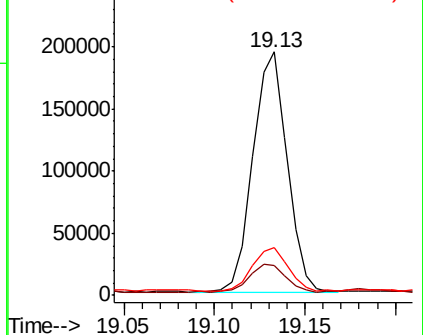


Abundance

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: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM019173.D

Acq: 14 Mar 2019 17:29

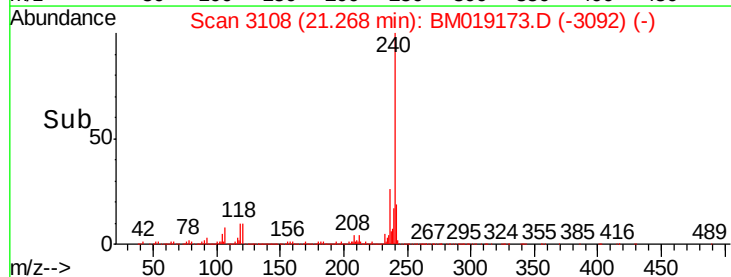
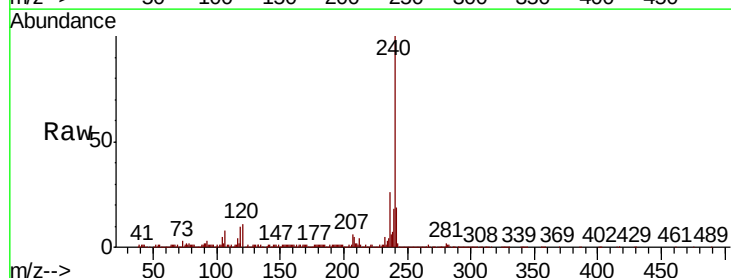
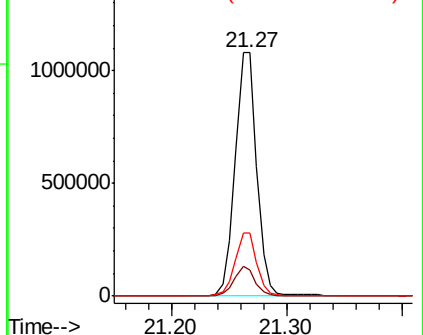
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	8.9	13.3
236	25.9	21.0	31.4

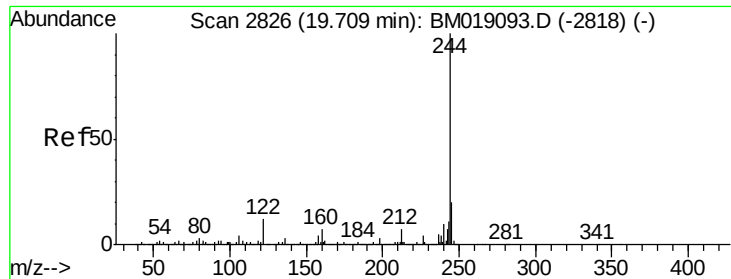
Abundance

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





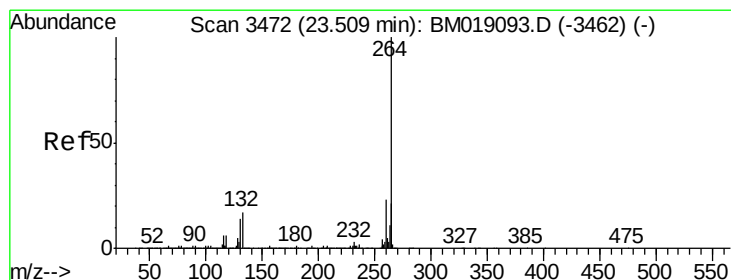
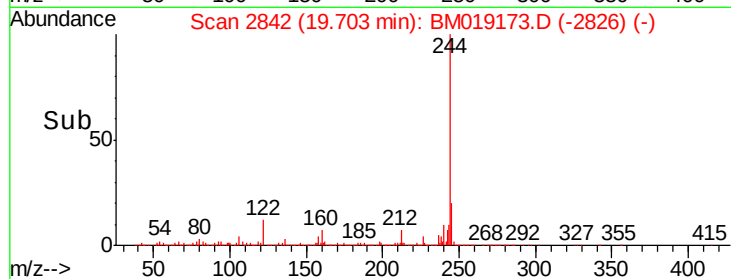
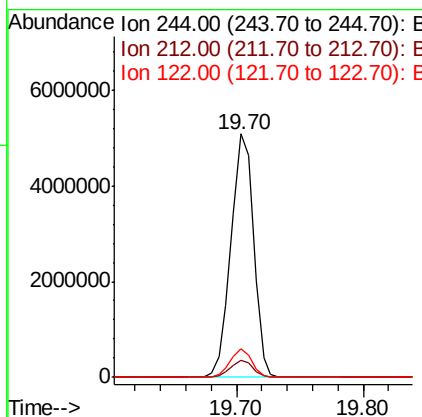
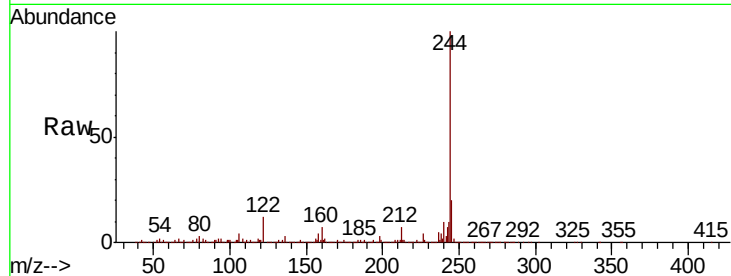
#79
 Terphenyl-d14
 Concen: 89.316 ng
 RT: 19.70 min Scan# 2842
 Delta R.T. -0.01 min
 Lab File: BM019173.D
 Acq: 14 Mar 2019 17:29

Instrument :
 BNA_M
 ClientSampled :
 MW-2A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.9	9.4	14.2

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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3488
 Delta R.T. -0.01 min
 Lab File: BM019173.D
 Acq: 14 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.6	17.3	25.9

