

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062119\
 Data File : BM021087.D
 Acq On : 21 Jun 2019 17:23
 Operator : HP/JU
 Sample : K3309-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610

Manual Integrations
 APPROVED

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Quant Time: Jun 27 08:45:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	320766	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	1190225	20.00	ng	0.01
39) Acenaphthene-d10	14.43	164	723495	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	1563787	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1440645	20.00	ng	0.00
87) Perylene-d12	23.63	264	1619599	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1096210	61.88	ng	0.02
7) Phenol-d6	6.98	99	959724	37.20	ng	0.03
23) Nitrobenzene-d5	8.96	82	1844011	80.74	ng	0.02
42) 2,4,6-Tribromophenol	15.93	330	1607011	118.37	ng	0.01
45) 2-Fluorobiphenyl	13.05	172	4933721	83.81	ng	0.01
79) Terphenyl-d14	19.79	244	5856828	75.93	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	19653534	2944.752	ng	95
4) n-Nitrosodimethylamine	3.63	42	1293678	175.060	ng	# 1
10) Phenol	7.01	94	4290394	162.794	ng	99
11) bis(2-Chloroethyl)ether	7.23	93	6836917	327.666	ng	97
12) 1,3-Dichlorobenzene	7.67	146	276057	10.451	ng	# 94
13) 1,4-Dichlorobenzene	7.82	146	1347010	50.159	ng	99
14) 1,2-Dichlorobenzene	8.14	146	6357517	241.568	ng	98
17) 2-Methylphenol	8.26	107	5665590	300.958	ng	99
20) 3+4-Methylphenols	8.64	107	33683611m	1299.896	ng	
22) Acetophenone	8.63	105	632448m	20.852	ng	
27) 2,4-Dimethylphenol	9.85	122	14934534m	924.358	ng	
31) Naphthalene	10.63	128	2167687	34.415	ng	95
37) 2-Methylnaphthalene	12.25	142	196462	4.054	ng	93
38) 1-Methylnaphthalene	12.46	142	117811	2.549	ng	# 97
50) Dimethylphthalate	13.90	163	331176	5.148	ng	97
60) Diethylphthalate	15.26	149	383051	6.046	ng	98

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

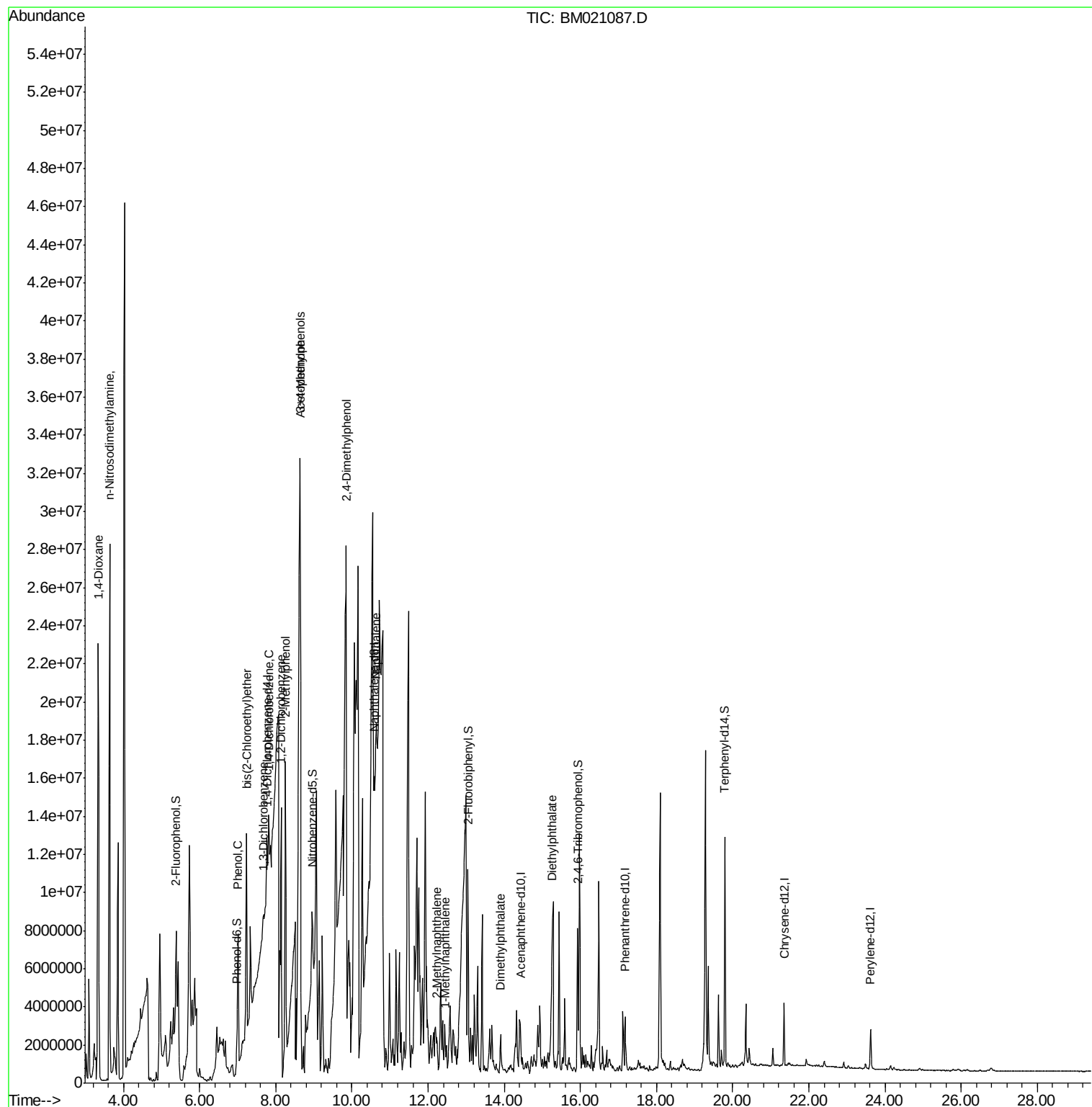
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062119\
Data File : BM021087.D
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Operator : HP/JU
Sample : K3309-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

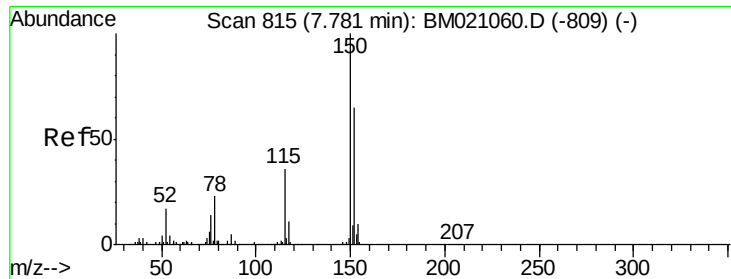
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#1

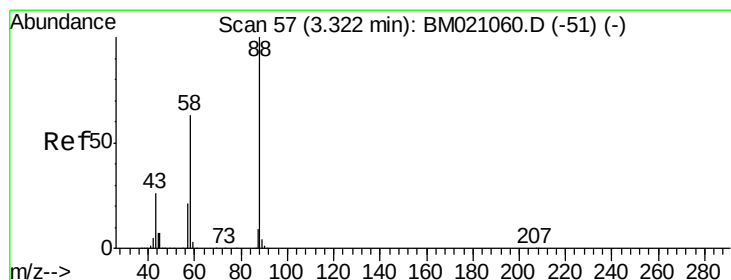
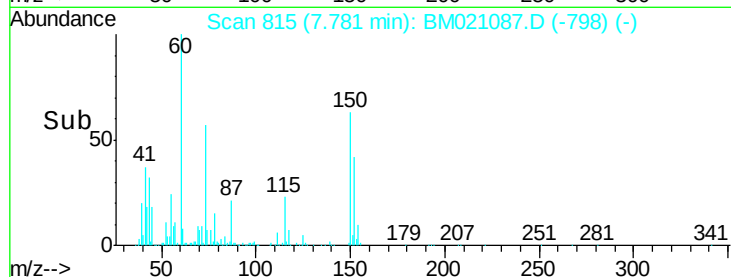
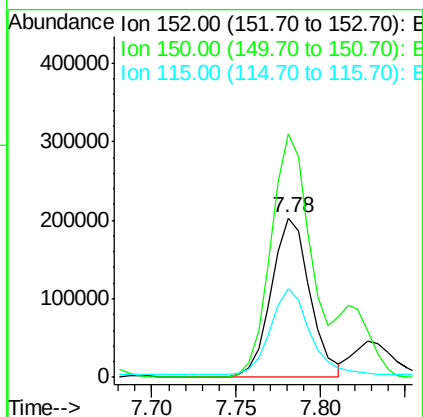
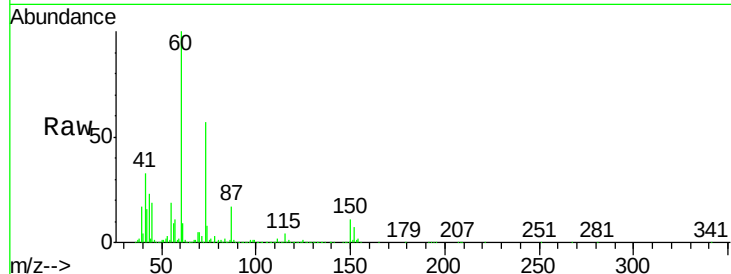
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 815
Delta R.T. -0.00 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.1	184.7
115	55.4	44.2	66.4

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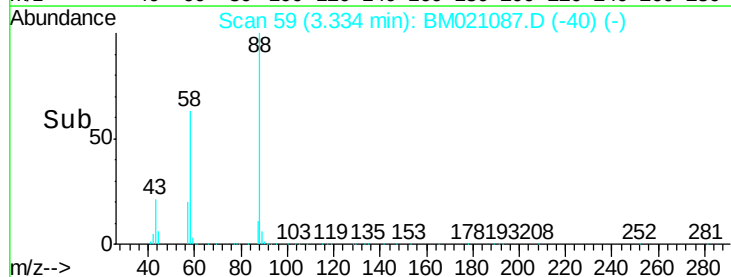
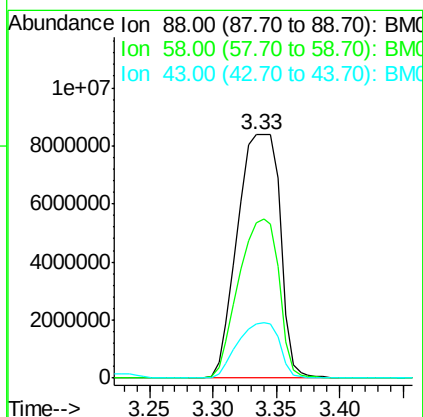
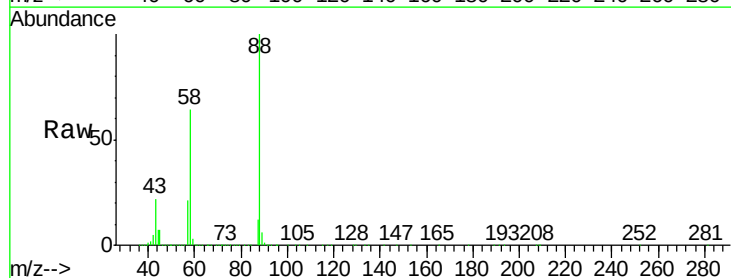
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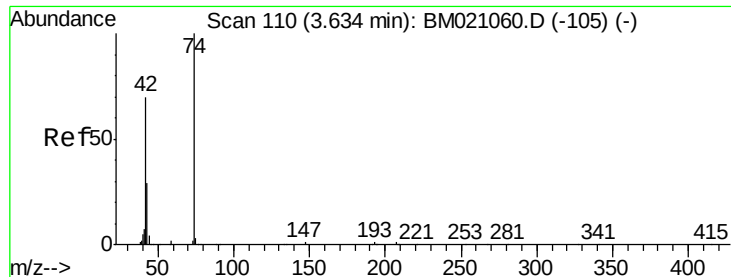


#2

1,4-Dioxane
Concen: 2944.752 ng
RT: 3.33 min Scan# 59
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.1	51.9	77.9
43	22.3	21.4	32.2





#4

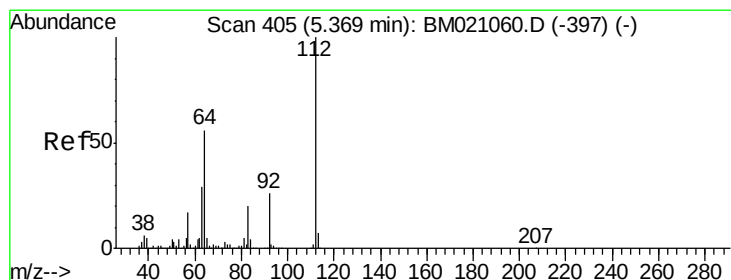
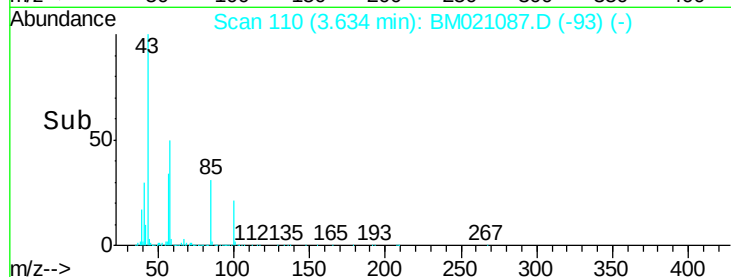
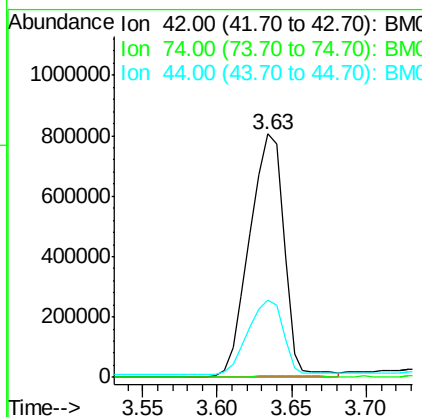
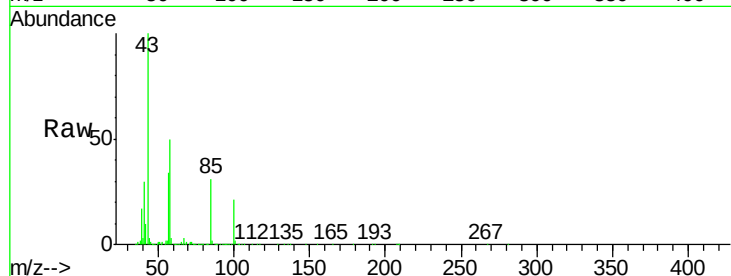
n-Nitrosodimethylamine
 Concen: 175.060 ng
 RT: 3.63 min Scan# 110
 Delta R.T. -0.00 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion: 42 Resp: 1293678
 Ion Ratio Lower Upper
 42 100
 74 0.7 113.8 170.6#
 44 31.9 8.2 12.2#

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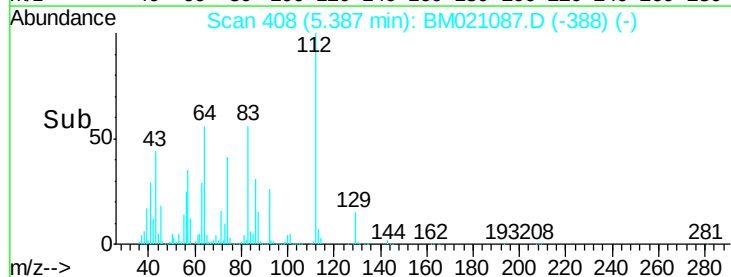
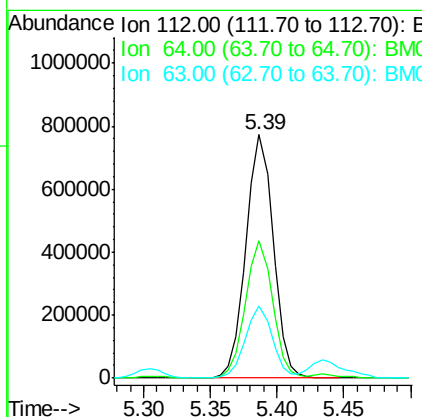
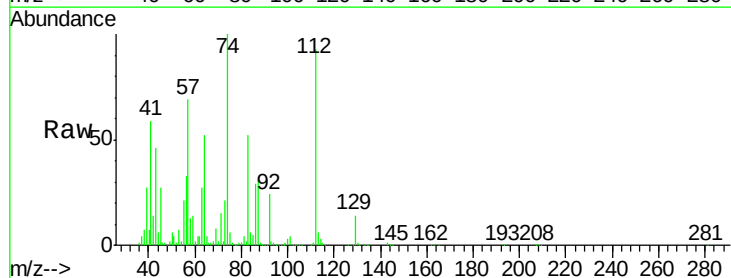
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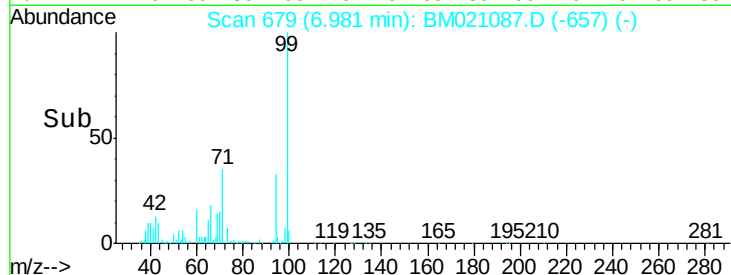
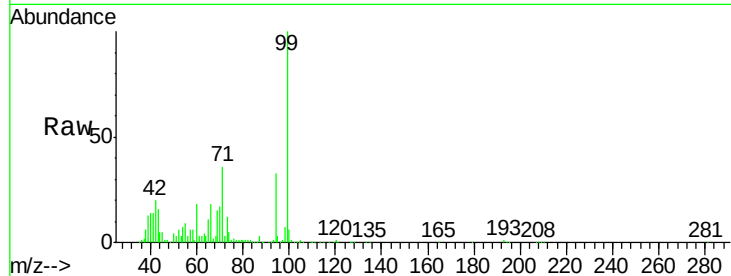
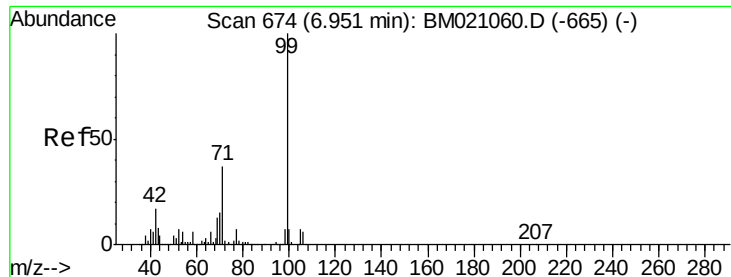


#5

2-Fluorophenol
 Concen: 61.881 ng
 RT: 5.39 min Scan# 408
 Delta R.T. 0.02 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

Tgt Ion: 112 Resp: 1096210
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.2 67.8
 63 29.4 23.5 35.3





#7

Phenol-d6

Concen: 37.202 ng

RT: 6.98 min Scan# 679

Delta R.T. 0.03 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.4	13.5	20.3#
71	36.3	29.3	43.9

Instrument :

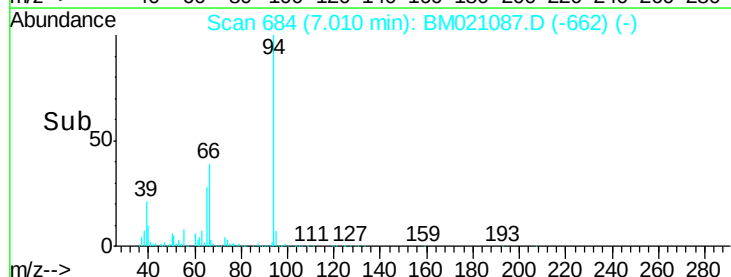
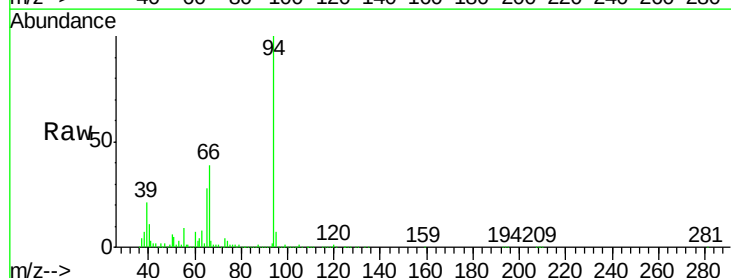
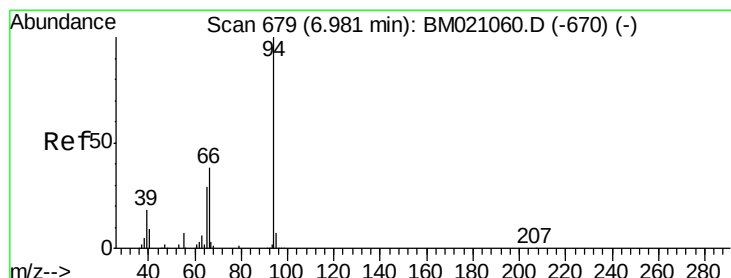
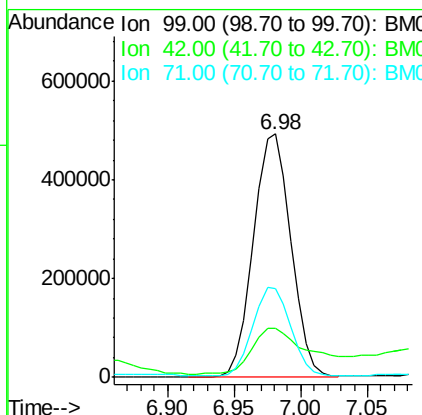
BNA_M

ClientSampleId :

KY032MW006-190610

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#10

Phenol

Concen: 162.794 ng

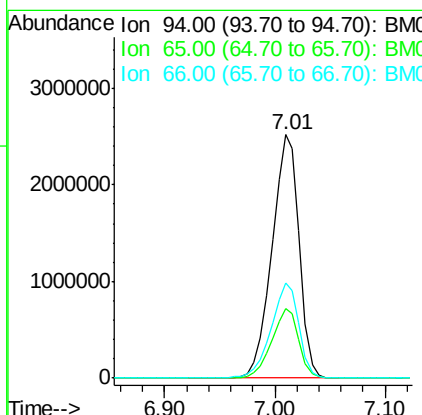
RT: 7.01 min Scan# 684

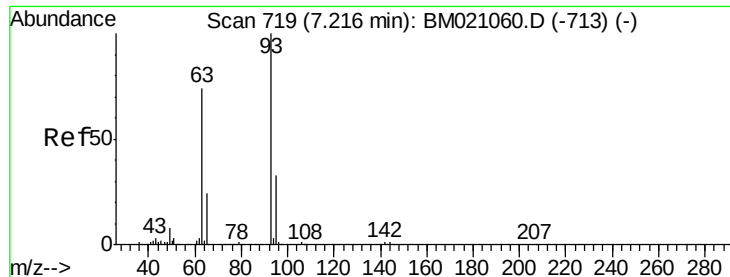
Delta R.T. 0.03 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.7	48.7
66	39.3	19.0	59.0





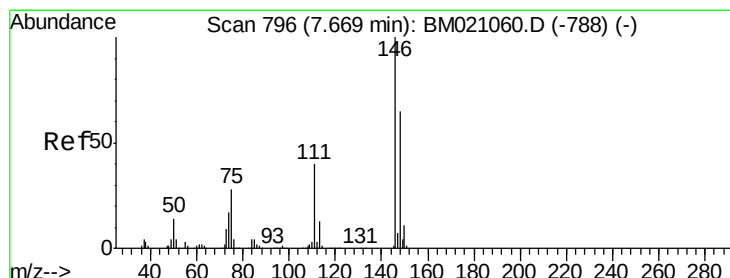
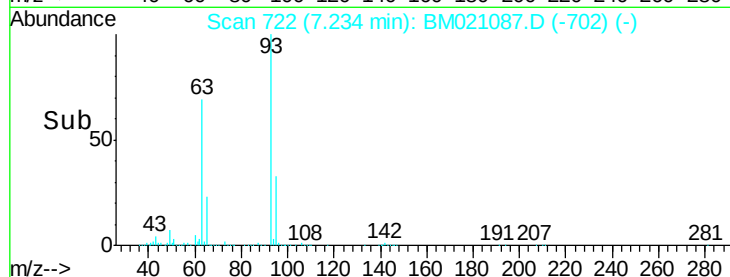
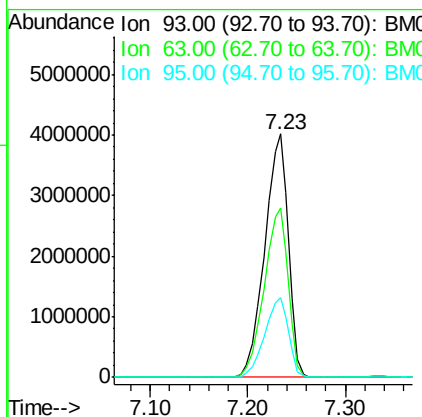
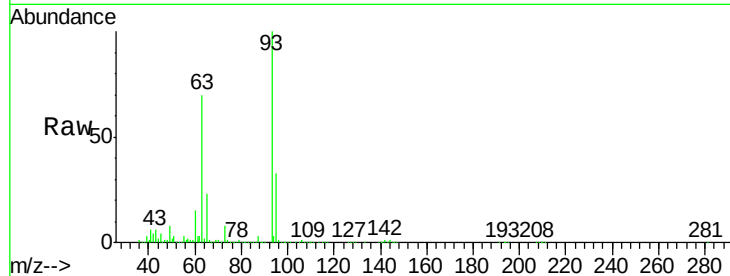
#11
bis(2-Chloroethyl)ether
Concen: 327.666 ng
RT: 7.23 min Scan# 722
Delta R.T. 0.02 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion: 93 Resp: 6836917
Ion Ratio Lower Upper
93 100
63 69.5 53.4 93.4
95 33.0 13.0 53.0

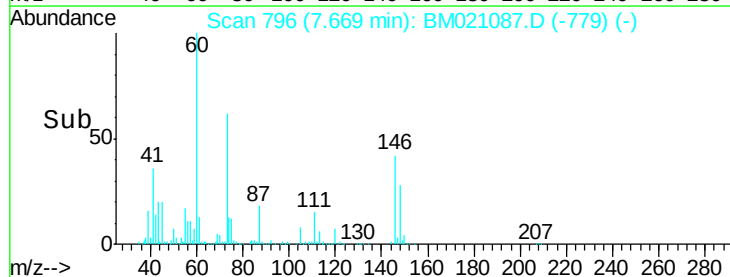
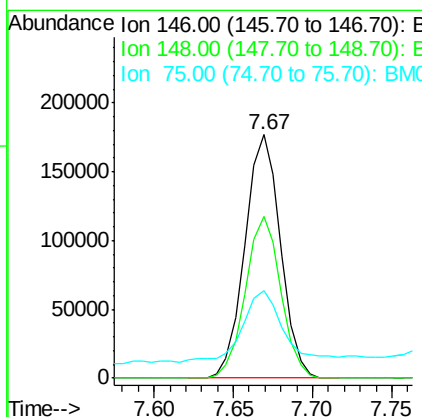
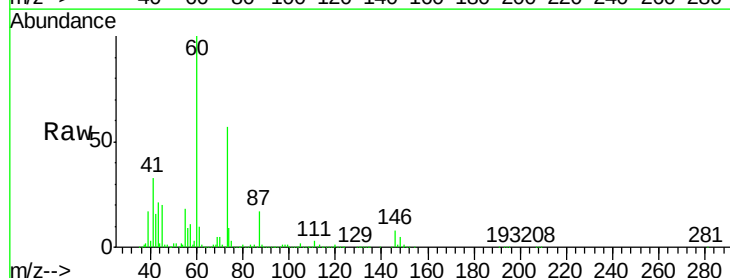
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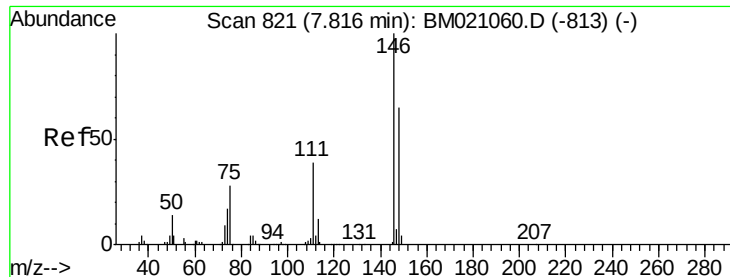
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#12
1,3-Dichlorobenzene
Concen: 10.451 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.00 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion: 146 Resp: 276057
Ion Ratio Lower Upper
146 100
148 66.4 52.2 78.2
75 35.7 22.2 33.4#





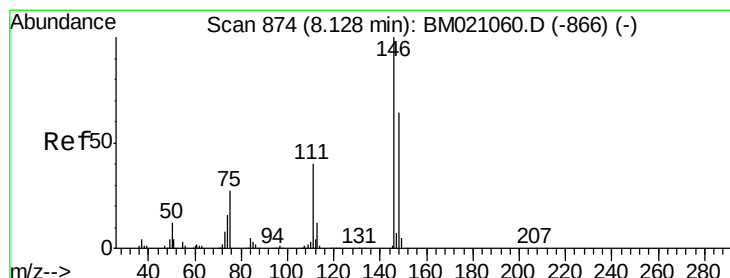
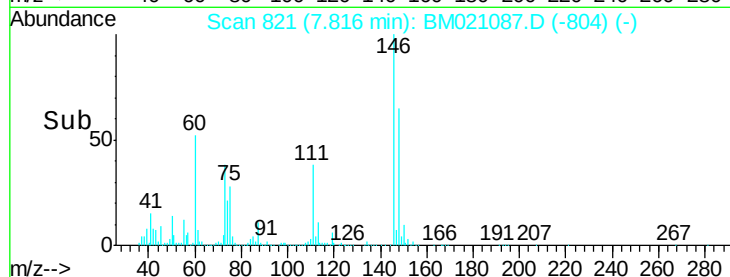
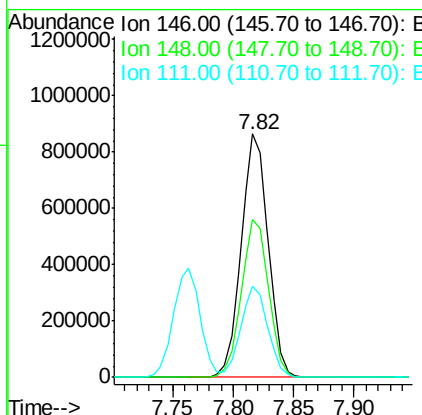
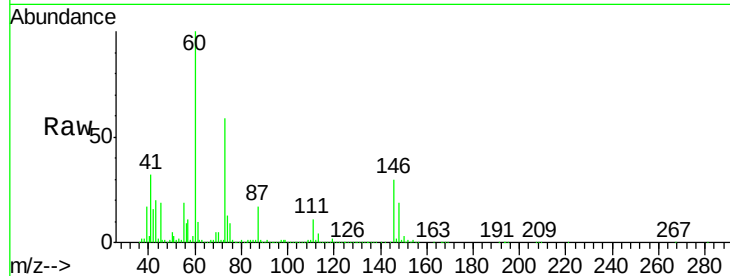
#13
 1,4-Dichlorobenzene
 Concen: 50.159 ng
 RT: 7.82 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	37.7	31.4	47.0

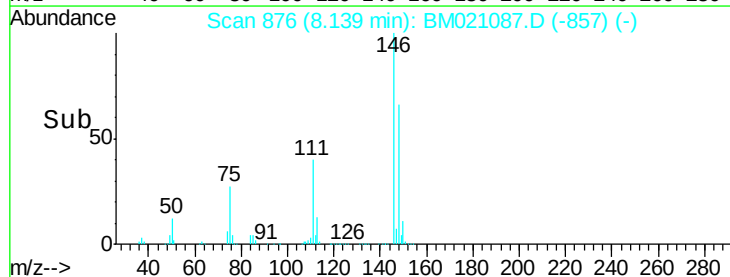
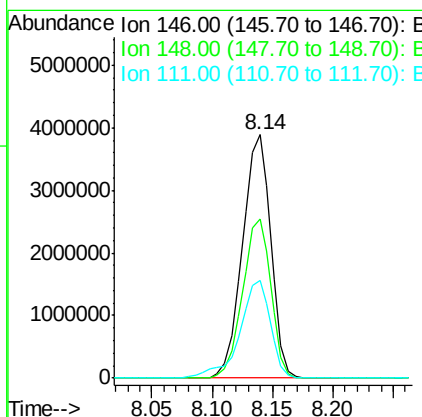
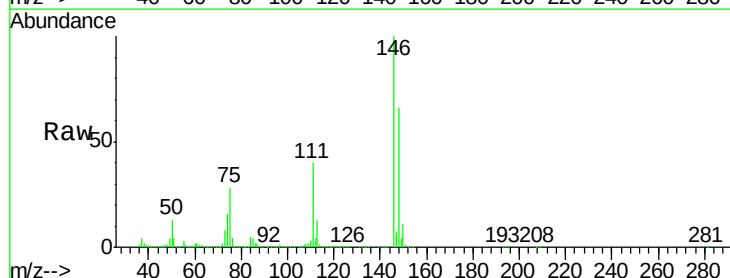
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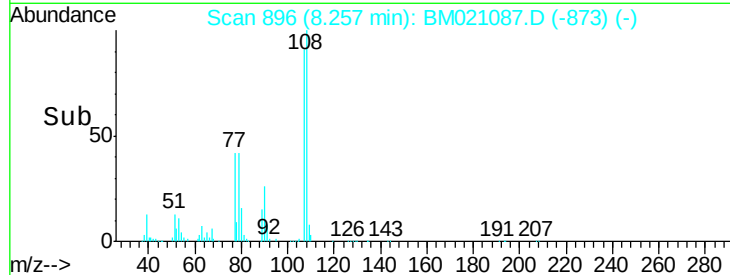
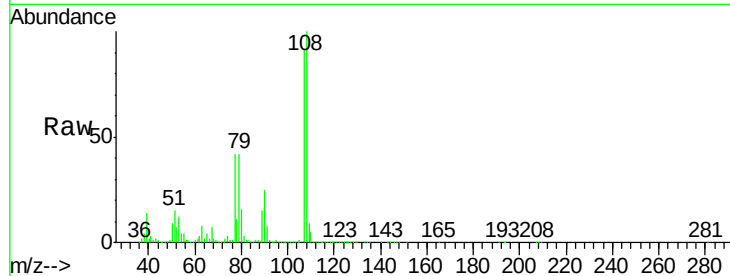
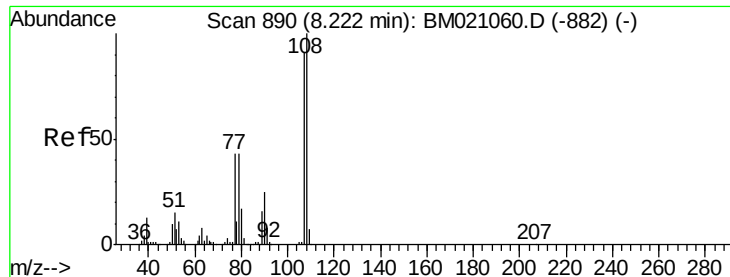
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#14
 1,2-Dichlorobenzene
 Concen: 241.568 ng
 RT: 8.14 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

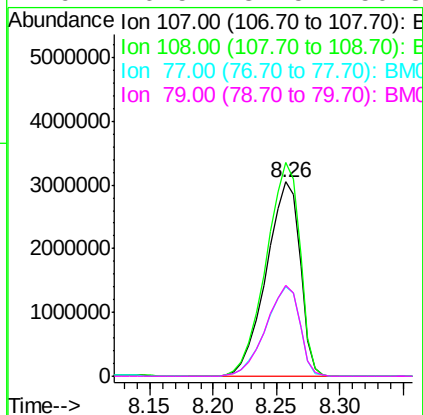
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.2	76.8
111	40.0	32.8	49.2





#17
2-Methylphenol
Concen: 300.958 ng
RT: 8.26 min Scan# 896
Delta R.T. 0.04 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

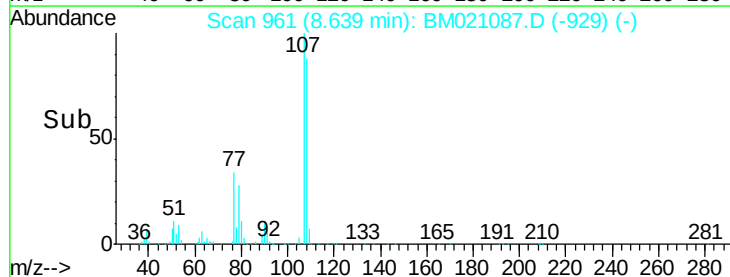
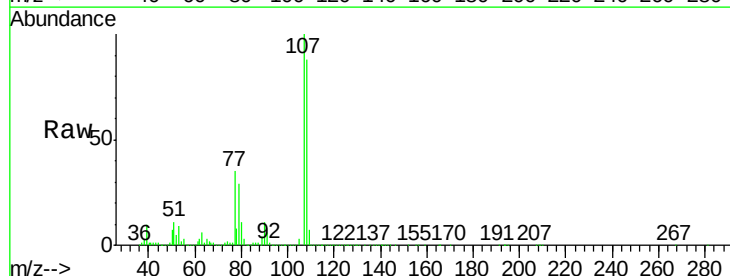
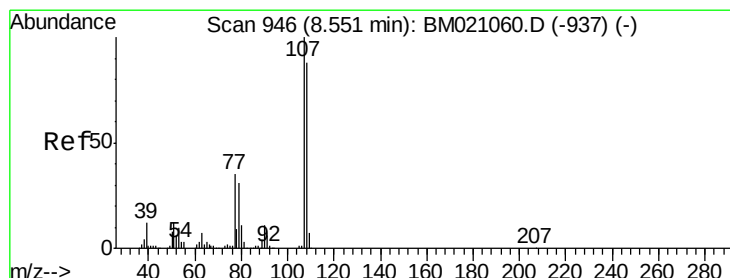
Tgt Ion	Ratio	Lower	Upper
107	100		
108	109.8	87.5	131.3
77	46.3	37.8	56.8
79	46.5	37.5	56.3



Instrument :
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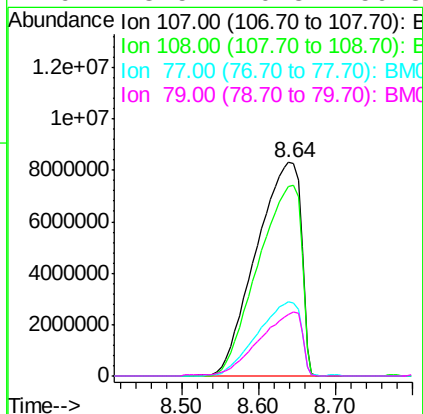
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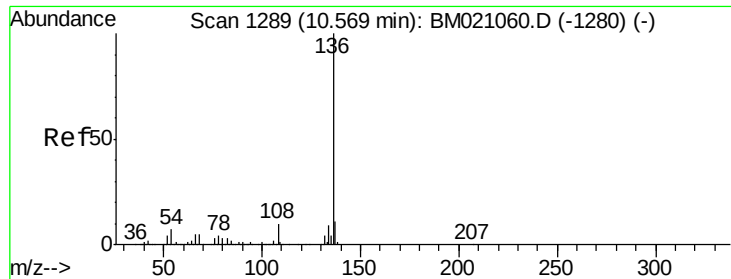
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#20
3+4-Methylphenols
Concen: 1299.896 ng m
RT: 8.64 min Scan# 961
Delta R.T. 0.09 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.5	67.9	107.9
77	34.5	14.6	54.6
79	28.5	10.8	50.8





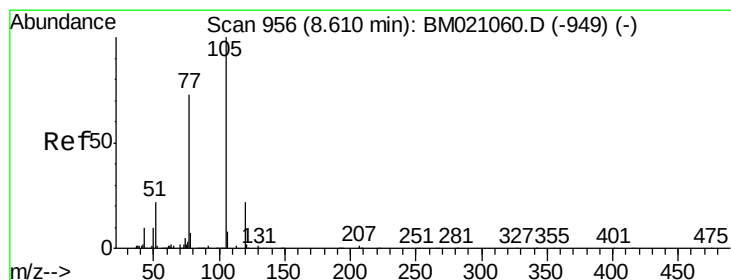
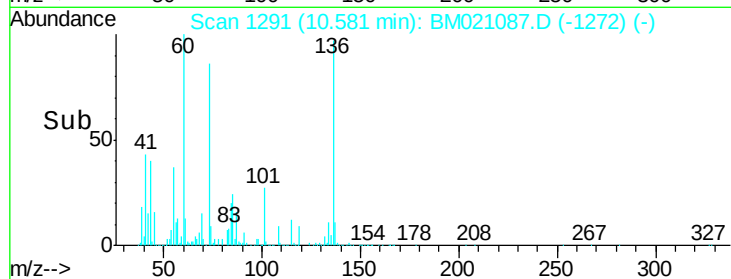
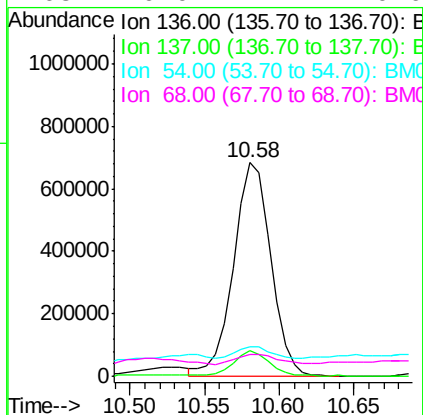
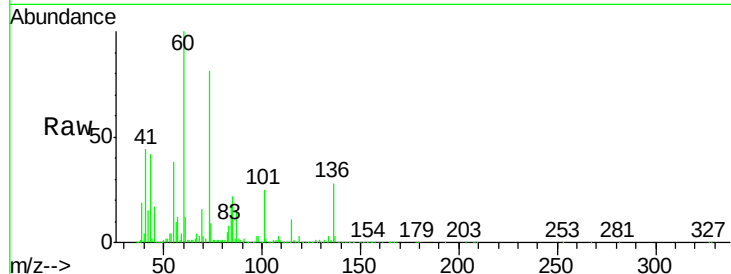
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	1190225		
137	11.7	8.6	13.0	
54	13.8	5.3	7.9	
68	10.0	4.4	6.6	

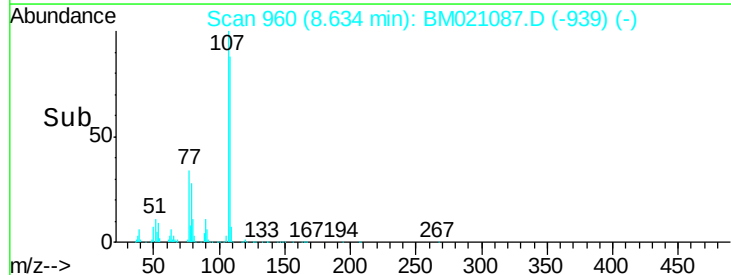
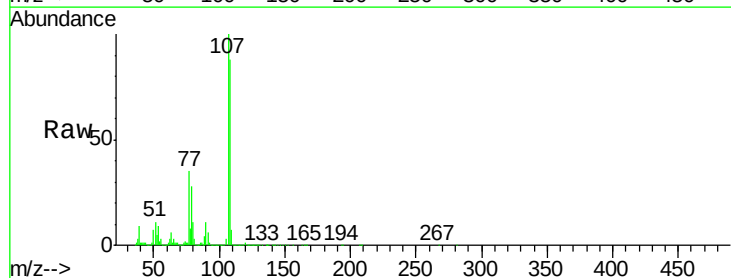
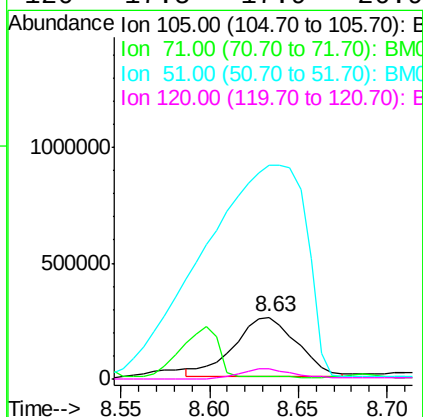
Manual Integrations
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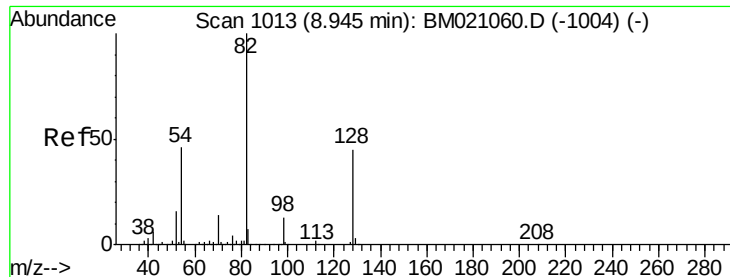
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#22
Acetophenone
Concen: 20.852 ng m
RT: 8.63 min Scan# 960
Delta R.T. 0.02 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	632448		
71	3.9	1.2	1.8	
51	345.7	19.1	28.7	
120	17.5	17.9	26.9	





#23

Nitrobenzene-d5

Concen: 80.744 ng

RT: 8.96 min Scan# 1016

Delta R.T. 0.02 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Instrument :

BNA_M

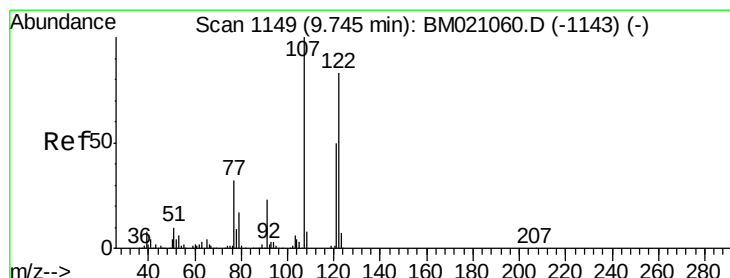
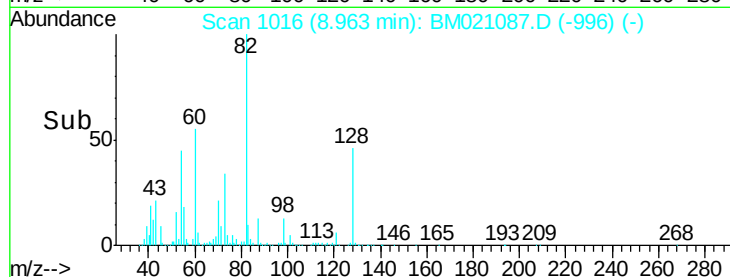
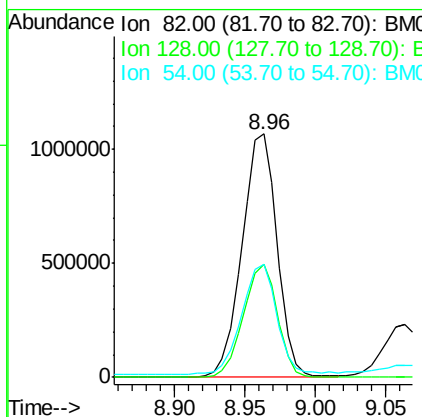
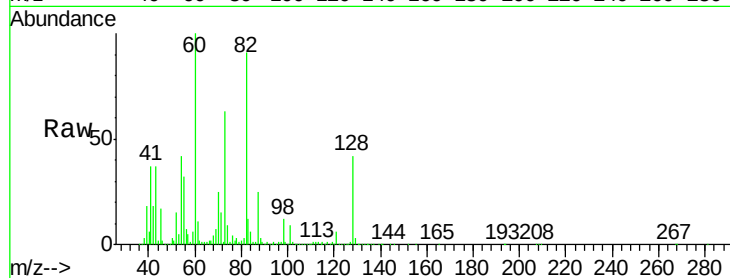
ClientSampleId :

KY032MW006-190610

Tgt Ion:	82	Resp:	1844011
Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	46.2	36.6	55.0

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#27

2,4-Dimethylphenol

Concen: 924.358 ng m

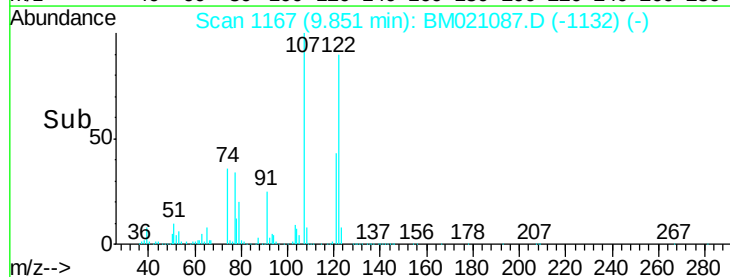
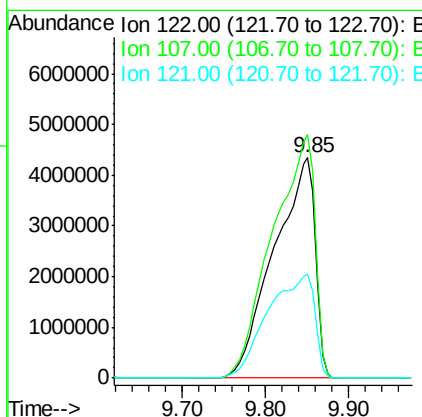
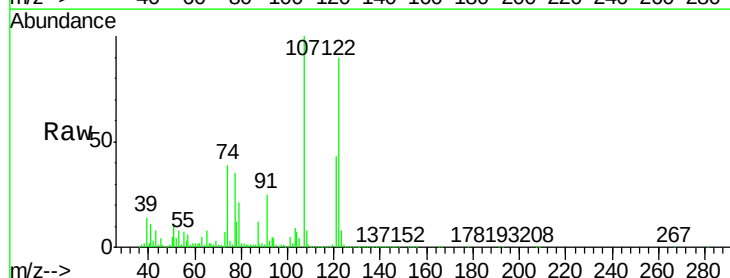
RT: 9.85 min Scan# 1167

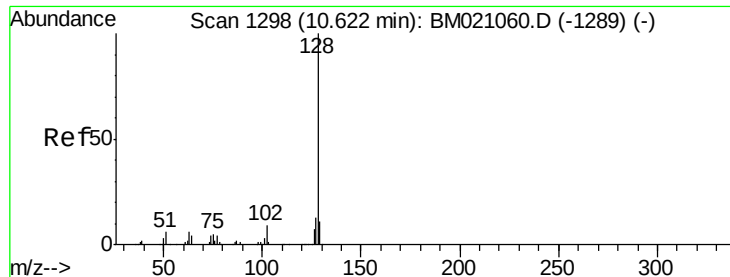
Delta R.T. 0.11 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Tgt Ion:	122	Resp:	14934534
Ion	Ratio	Lower	Upper
122	100		
107	110.5	95.3	142.9
121	47.2	47.5	71.3#





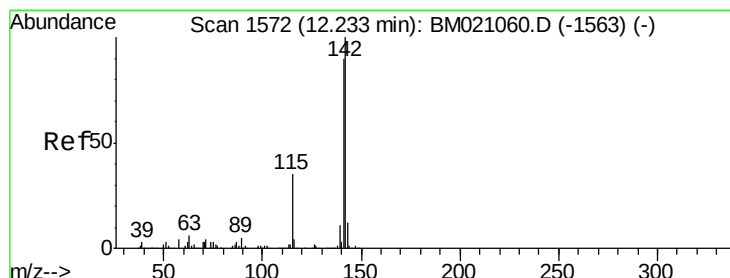
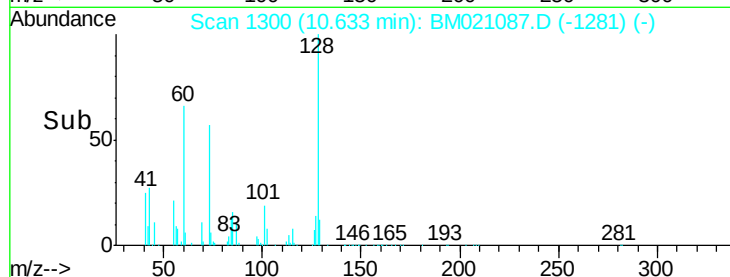
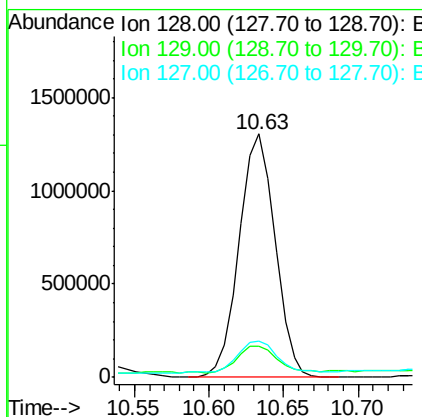
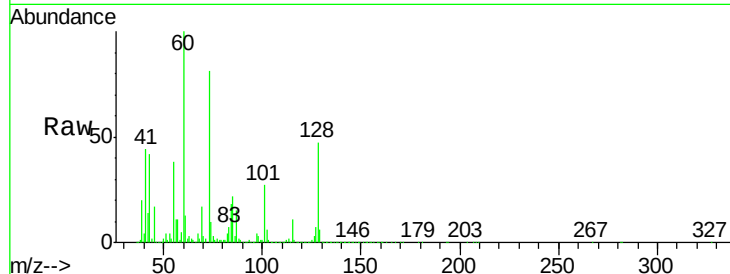
#31
Naphthalene
Concen: 34.415 ng
RT: 10.63 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.6	13.0
127	15.2	10.8	16.2

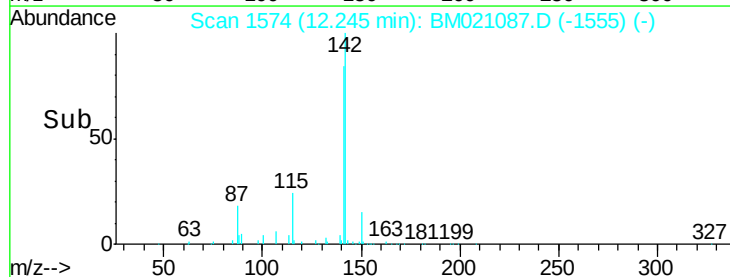
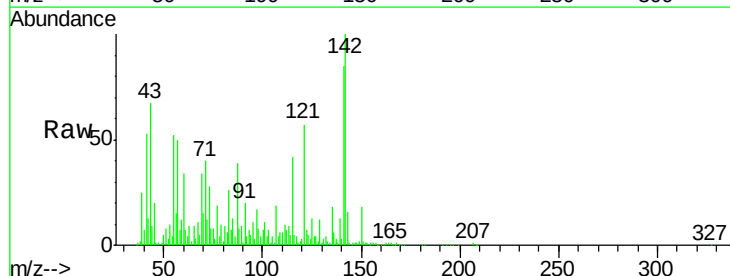
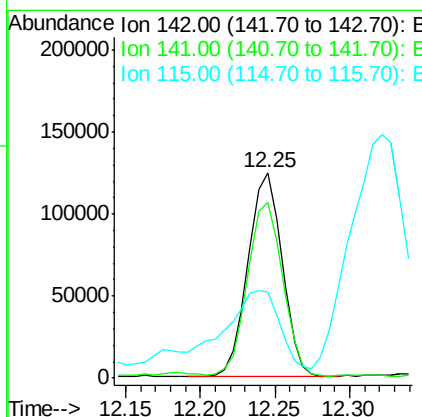
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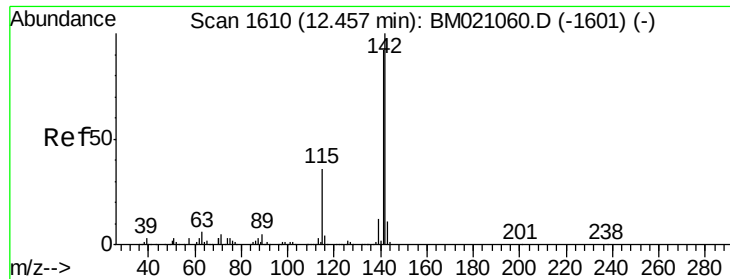
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#37
2-Methylnaphthalene
Concen: 4.054 ng
RT: 12.25 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	72.2	108.2
115	41.8	27.9	41.9





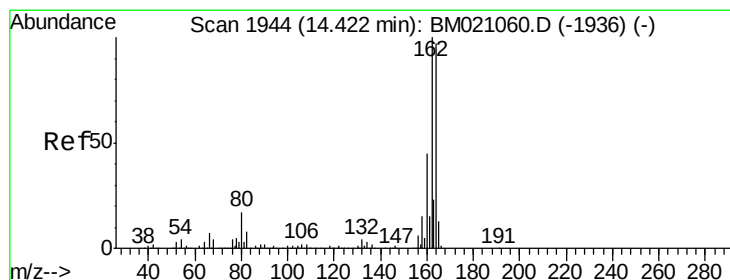
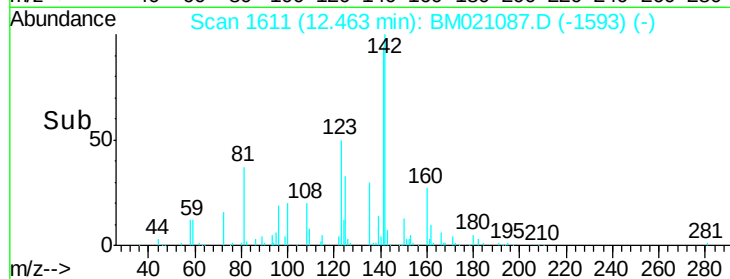
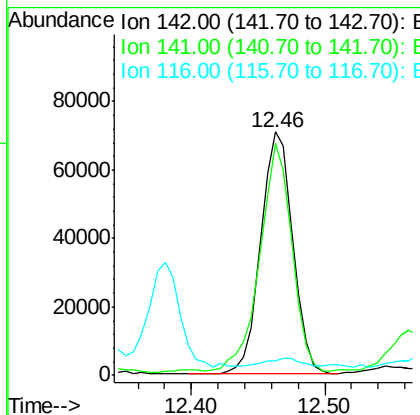
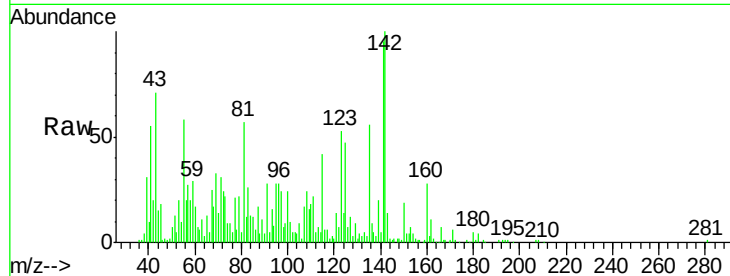
#38
1-Methylnaphthalene
Concen: 2.549 ng
RT: 12.46 min Scan# 1611
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	117811		
141	95.2	73.9	110.9	
116	5.8	3.0	4.6#	

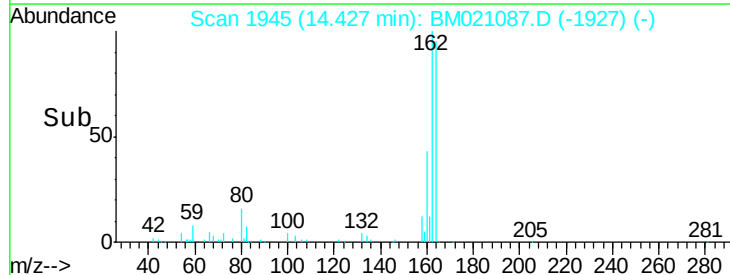
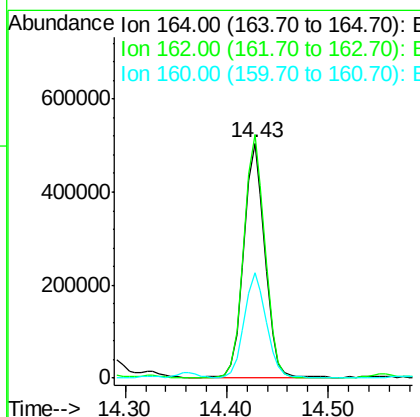
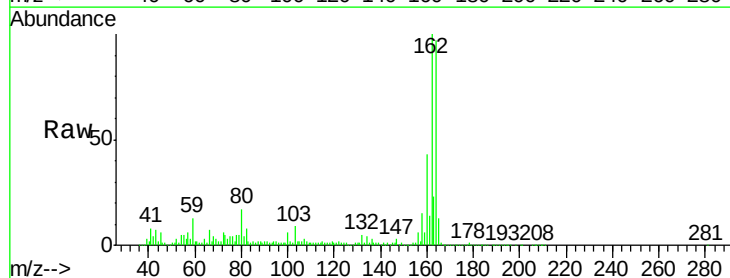
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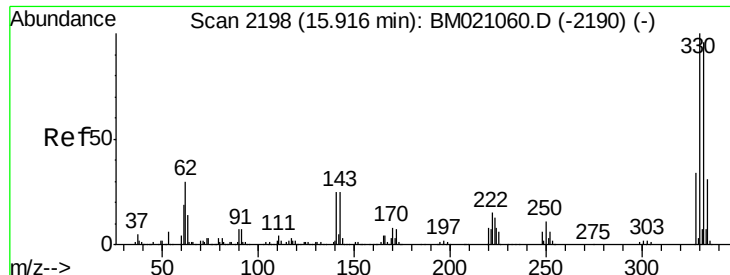
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	723495		
162	103.5	82.1	123.1	
160	44.8	37.1	55.7	





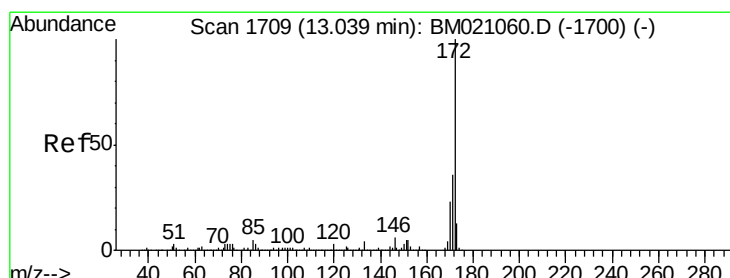
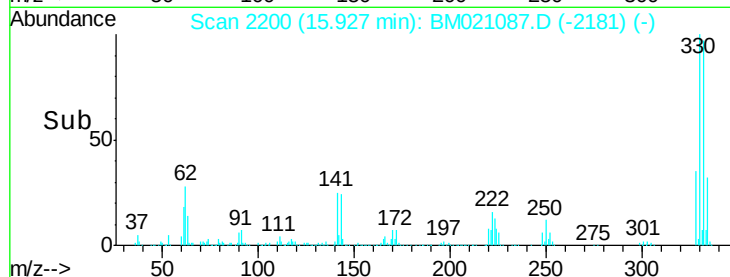
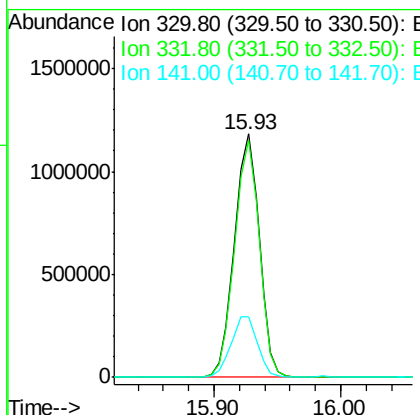
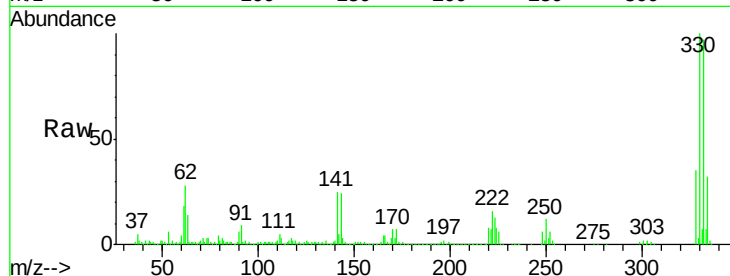
#42
 2,4,6-Tribromophenol
 Concen: 118.371 ng
 RT: 15.93 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-190610

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	26.1	21.8	32.8

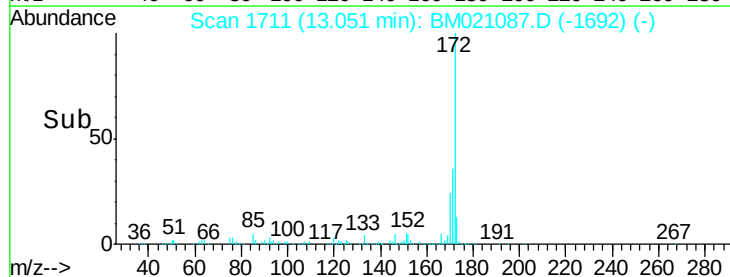
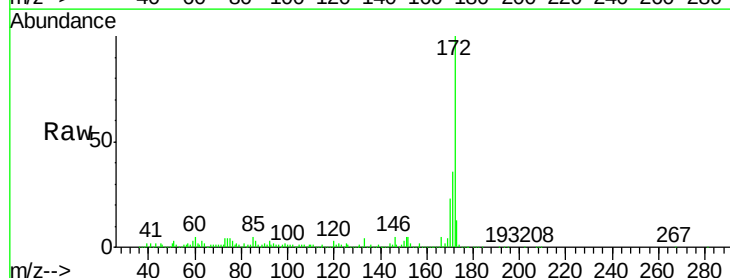
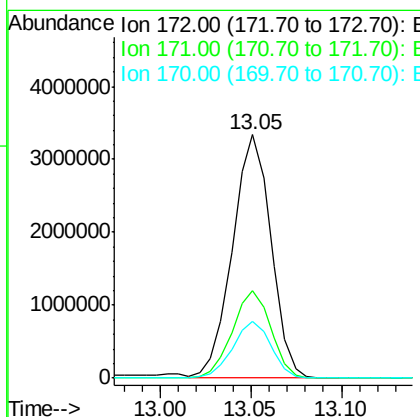
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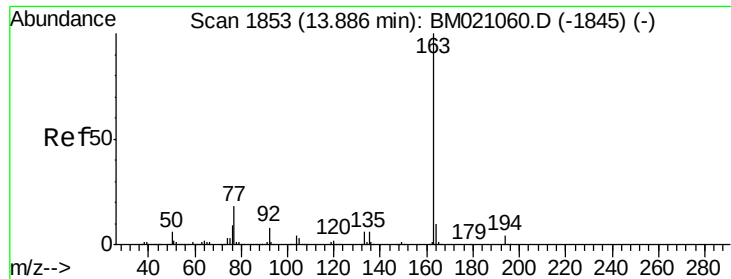
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#45
 2-Fluorobiphenyl
 Concen: 83.809 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.01 min
 Lab File: BM021087.D
 Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.5	18.7	28.1





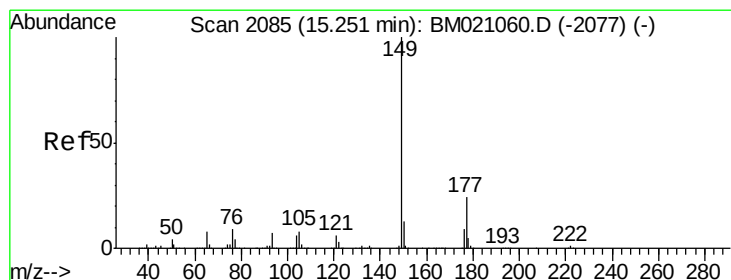
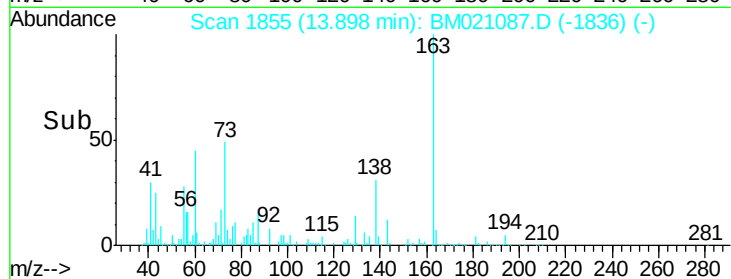
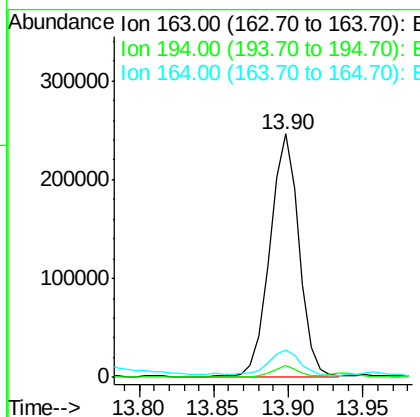
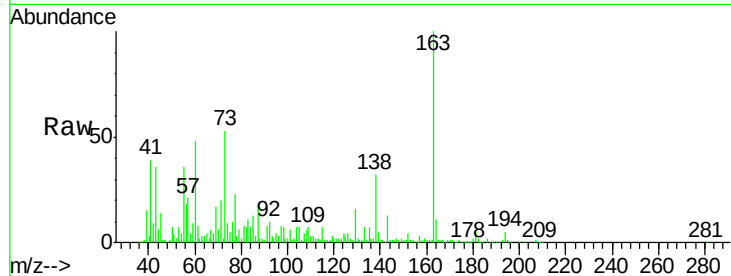
#50
Dimethylphthalate
Concen: 5.148 ng
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Instrument :
BNA_M
ClientSampleId :
KY032MW006-190610

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	331176		
194	4.7	3.4	5.2	
164	11.4	8.2	12.2	

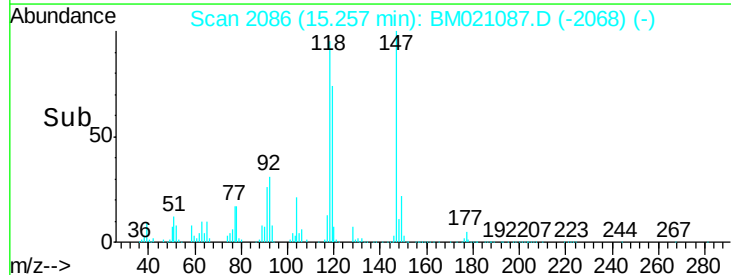
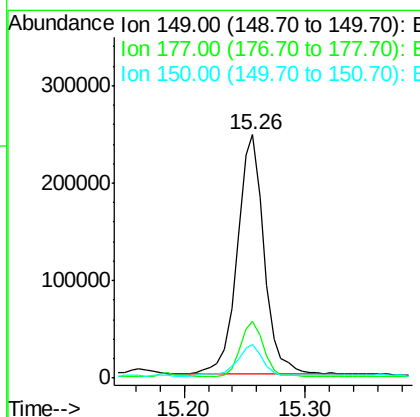
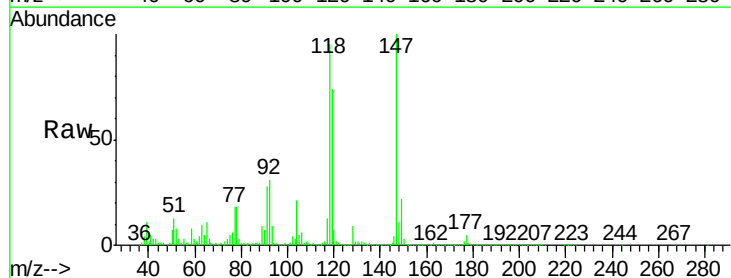
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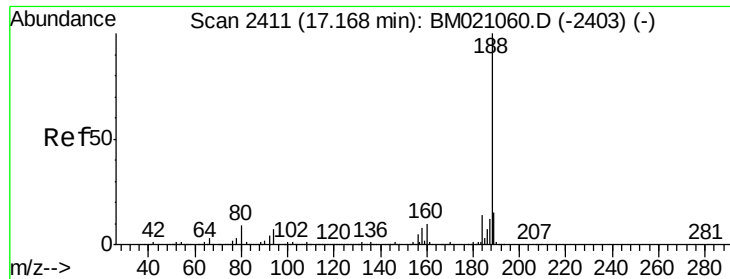
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#60
Diethylphthalate
Concen: 6.046 ng
RT: 15.26 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BM021087.D
Acq: 21 Jun 2019 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	383051		
177	23.5	19.1	28.7	
150	13.7	10.1	15.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610

Tgt Ion:188 Resp: 1563787

Ion Ratio Lower Upper

188 100

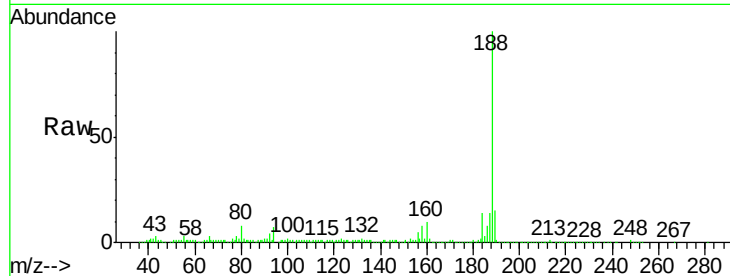
94 7.4 5.8 8.8

80 8.3 6.9 10.3

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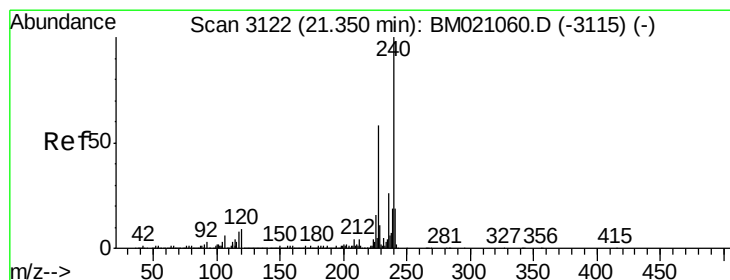
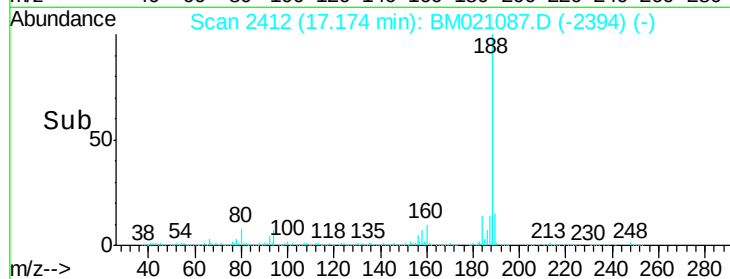
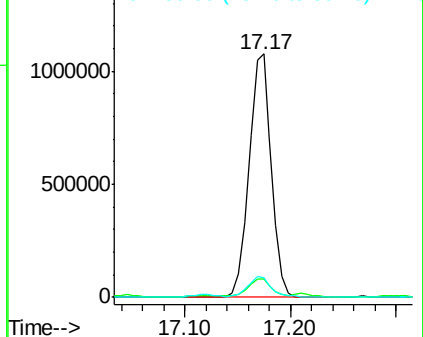
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

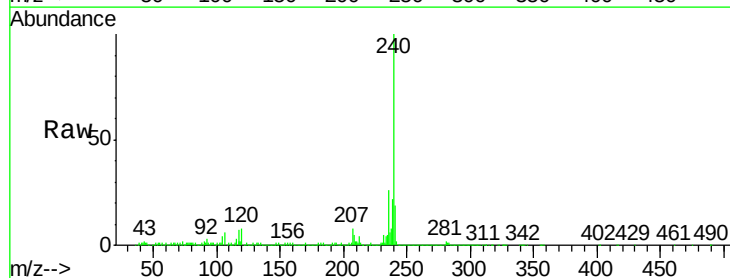
Tgt Ion:240 Resp: 1440645

Ion Ratio Lower Upper

240 100

120 8.0 6.9 10.3

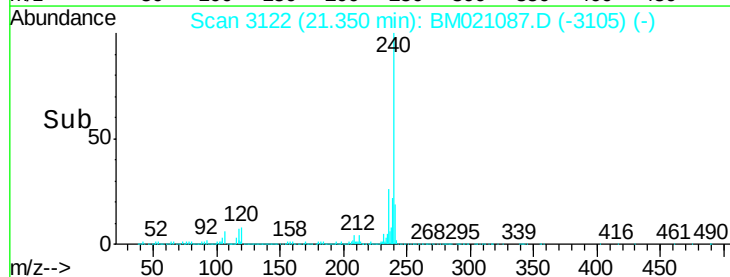
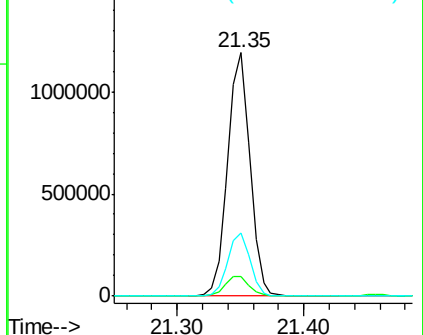
236 25.9 20.4 30.6

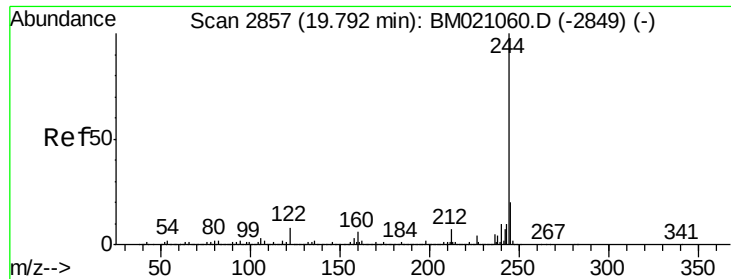


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.931 ng

RT: 19.79 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

Instrument :

BNA_M

ClientSampleId :

KY032MW006-190610

Tgt Ion:244 Resp: 5856828

Ion Ratio Lower Upper

244 100

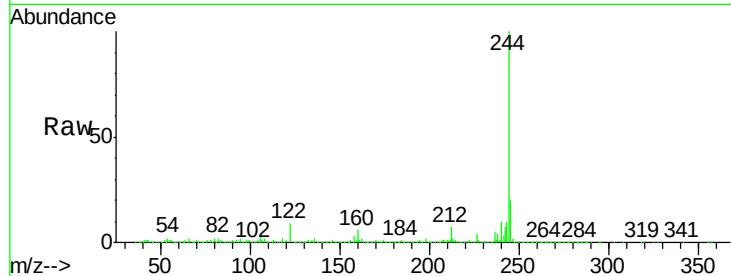
212 6.7 5.3 7.9

122 8.6 6.6 9.8

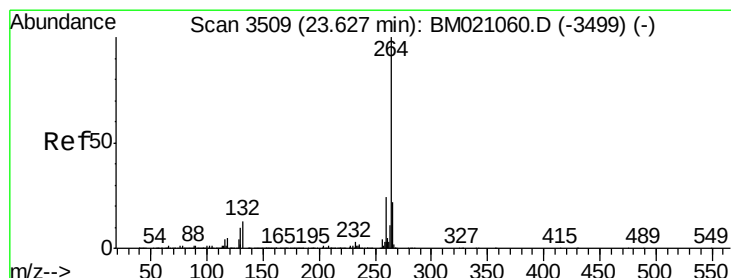
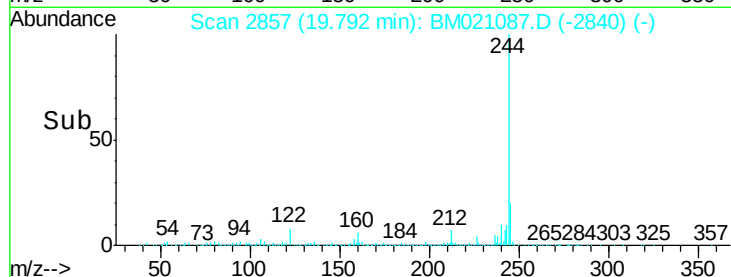
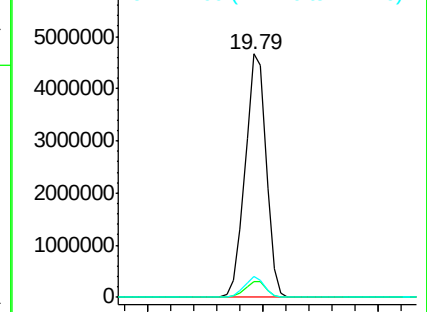
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.63 min Scan# 3509

Delta R.T. -0.00 min

Lab File: BM021087.D

Acq: 21 Jun 2019 17:23

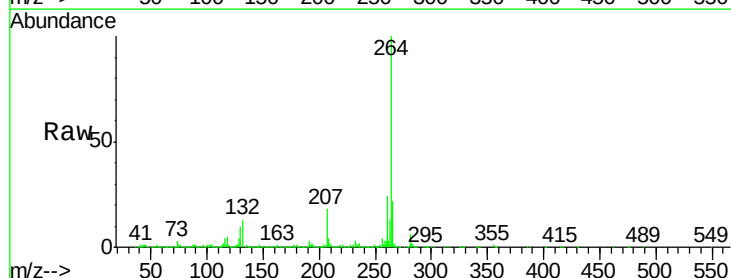
Tgt Ion:264 Resp: 1619599

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 21.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

