

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011519\
 Data File : BM018572.D
 Acq On : 15 Jan 2019 21:53
 Operator : JU/SJ
 Sample : K1127-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

Quant Time: Jan 16 00:07:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	185981	20.00	ng	-0.01
21) Naphthalene-d8	10.55	136	772313	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	490544	20.00	ng	0.00
64) Phenanthrene-d10	17.15	188	1164653	20.00	ng	0.00
76) Chrysene-d12	21.34	240	1461345	20.00	ng	-0.01
87) Perylene-d12	23.62	264	1653427	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	494855	49.13	ng	0.00
7) Phenol-d6	6.94	99	465800	36.41	ng	0.00
23) Nitrobenzene-d5	8.92	82	740682	55.60	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	610534	97.75	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	1862890	49.55	ng	0.00
79) Terphenyl-d14	19.78	244	3254098	46.94	ng	0.00

Target Compounds

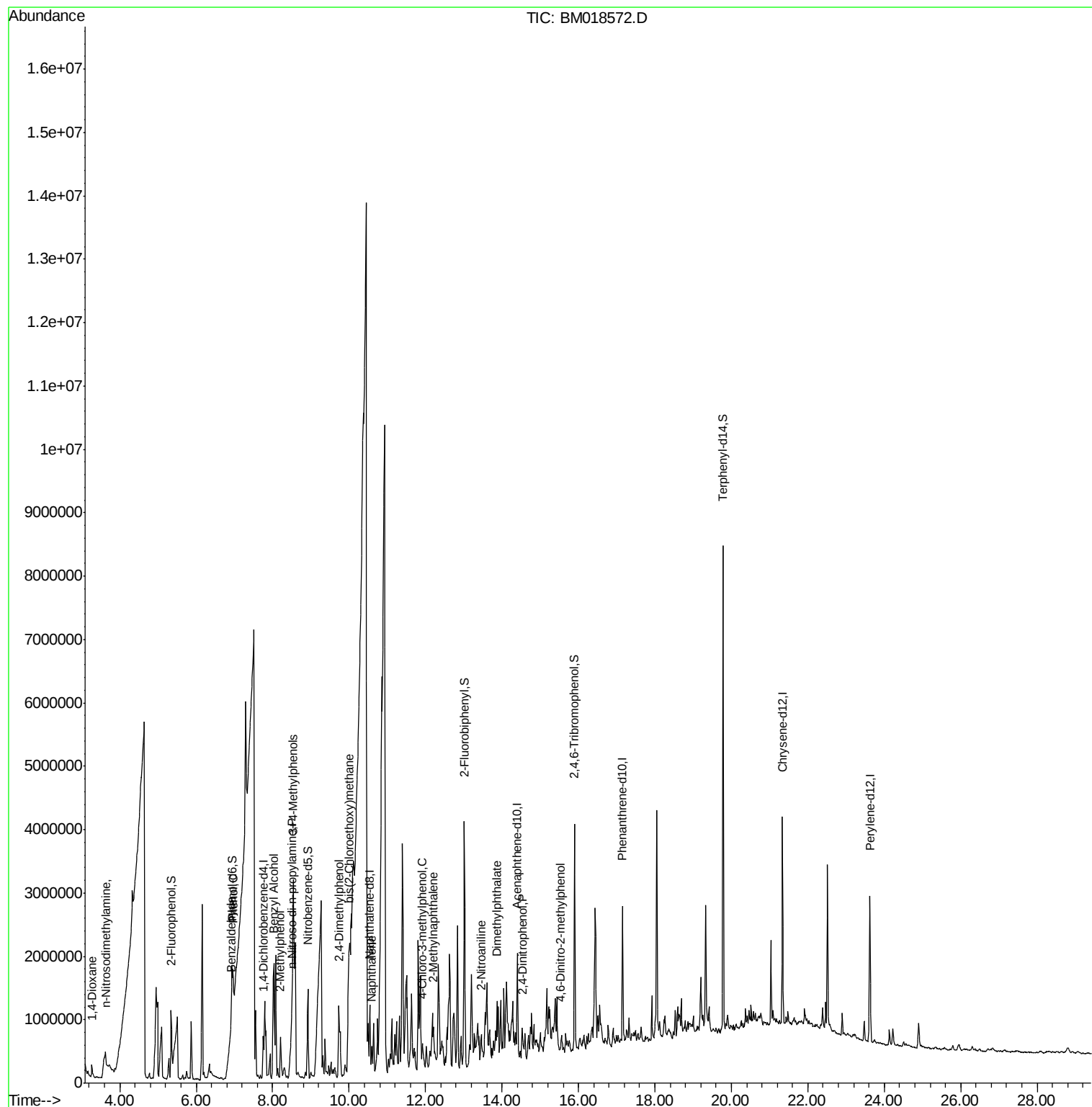
						Qvalue
2) 1,4-Dioxane	3.28	88	20389	4.967	ng	# 1
4) n-Nitrosodimethylamine	3.63	42	81365	19.225	ng	# 10
9) Benzaldehyde	6.91	77	23931	2.410	ng	93
10) Phenol	6.96	94	303904	23.378	ng	97
15) Benzyl Alcohol	8.01	79	316638	34.269	ng	98
17) 2-Methylphenol	8.20	107	102336	11.597	ng	98
19) n-Nitroso-di-n-propylamine	8.49	70	51918	6.236	ng	# 47
20) 3+4-Methylphenols	8.53	107	834939	68.542	ng	97
27) 2,4-Dimethylphenol	9.73	122	373399	39.303	ng	99
28) bis(2-Chloroethoxy)methane	9.99	93	37479	2.689	ng	# 46
31) Naphthalene	10.59	128	305185	8.205	ng	99
36) 4-Chloro-3-methylphenol	11.91	107	73265	6.173	ng	# 18
37) 2-Methylnaphthalene	12.21	142	74762	2.845	ng	# 95
48) 2-Nitroaniline	13.46	65	28904	3.537	ng	# 1
50) Dimethylphthalate	13.87	163	265818	6.598	ng	# 95
54) 2,4-Dinitrophenol	14.55	184	214	7.244	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.53	198	113	5.407	ng	# 1

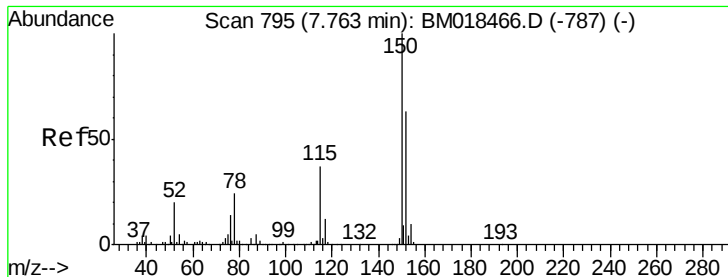
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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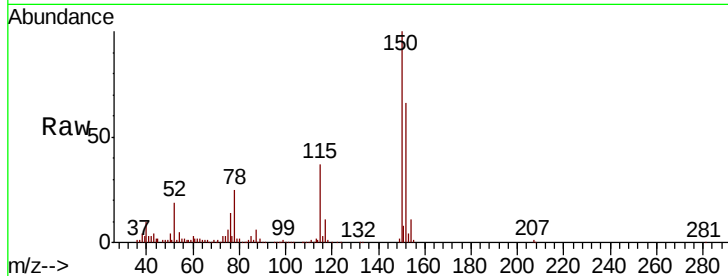


#1

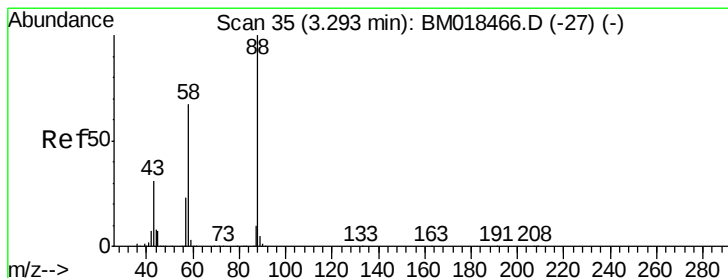
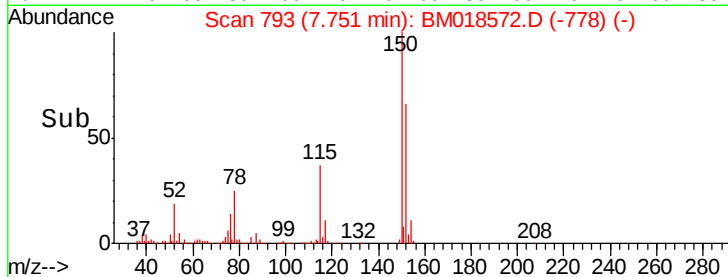
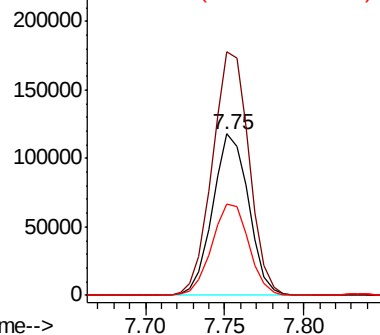
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.8	126.9	190.3
115	56.5	45.5	68.3



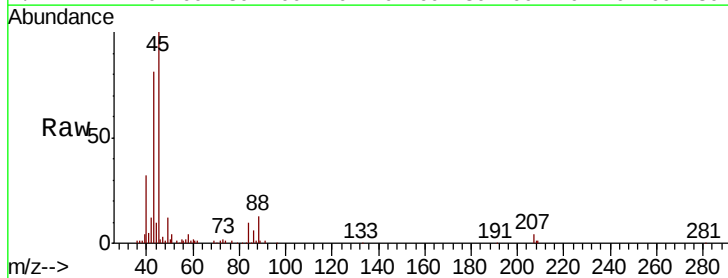
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



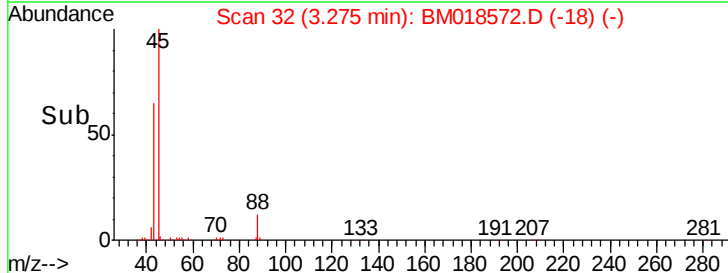
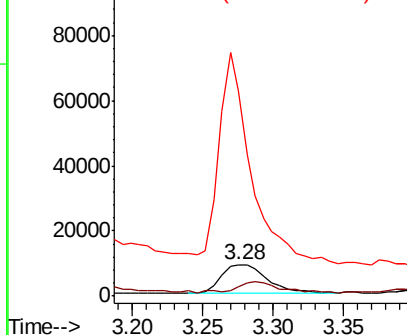
#2

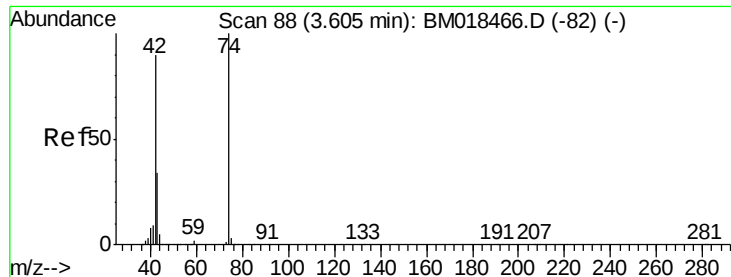
1,4-Dioxane
Concen: 4.967 ng
RT: 3.28 min Scan# 32
Delta R.T. -0.02 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	40.6	58.4	87.6#
43	504.6	26.2	39.4#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#4

n-Nitrosodimethylamine

Concen: 19.225 ng

RT: 3.63 min Scan# 92

Delta R.T. 0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

Instrument :

BNA_M

ClientSampleId :

COMP-1

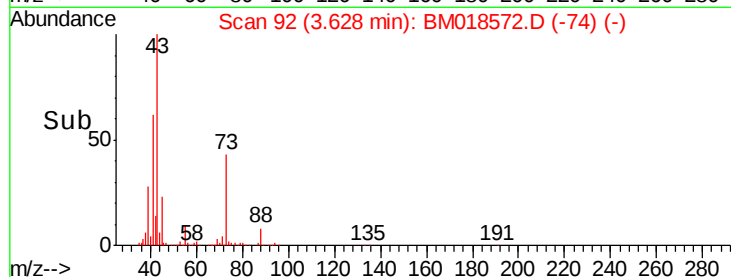
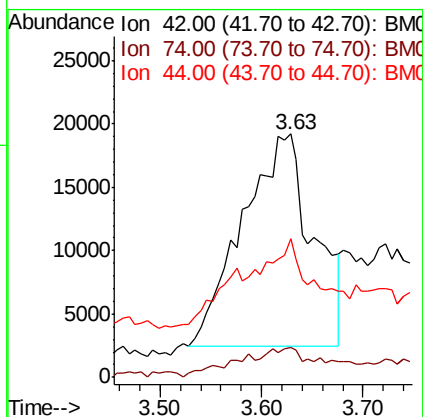
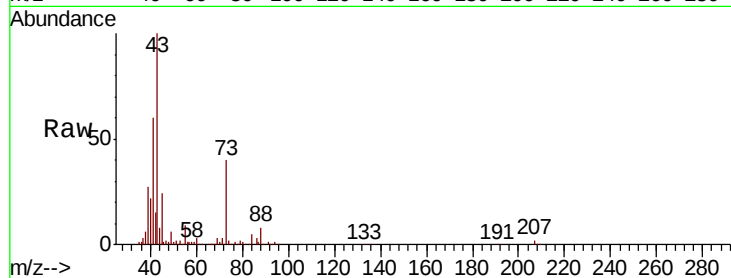
Tgt Ion: 42 Resp: 81365

Ion Ratio Lower Upper

42 100

74 12.1 88.6 132.8#

44 57.0 16.9 25.3#



#5

2-Fluorophenol

Concen: 49.131 ng

RT: 5.35 min Scan# 384

Delta R.T. -0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

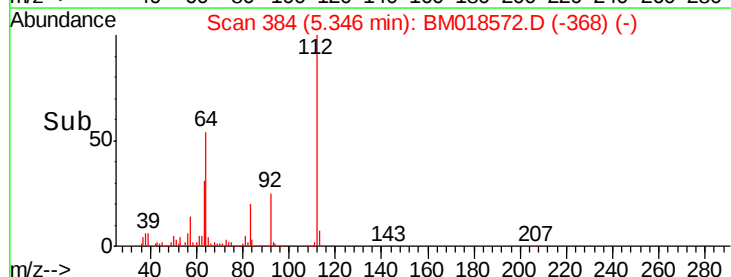
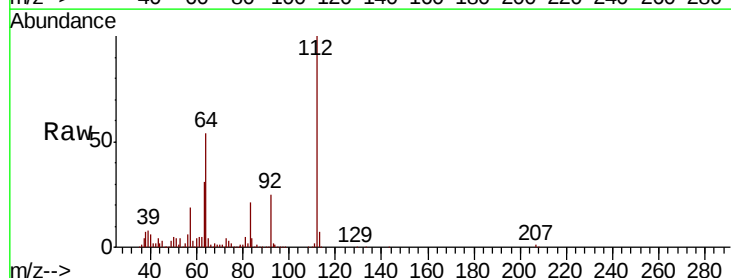
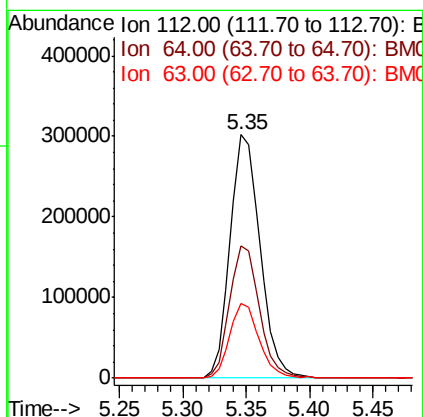
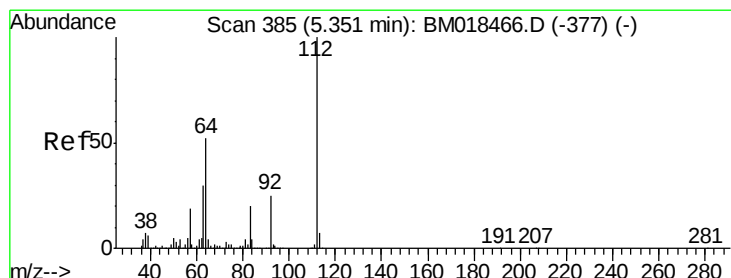
Tgt Ion: 112 Resp: 494855

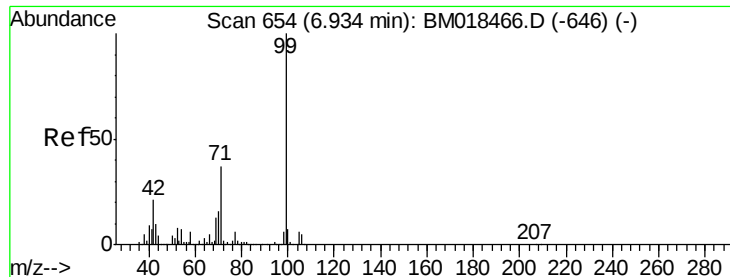
Ion Ratio Lower Upper

112 100

64 54.4 46.5 69.7

63 30.5 25.2 37.8





#7

Phenol-d6

Concen: 36.411 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

Instrument :

BNA_M

ClientSampleId :

COMP-1

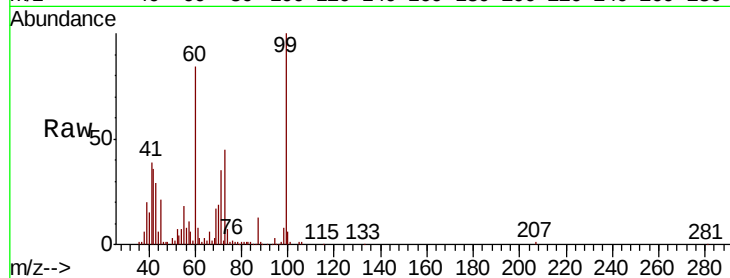
Tgt Ion: 99 Resp: 465800

Ion Ratio Lower Upper

99 100

42 35.5 17.3 25.9#

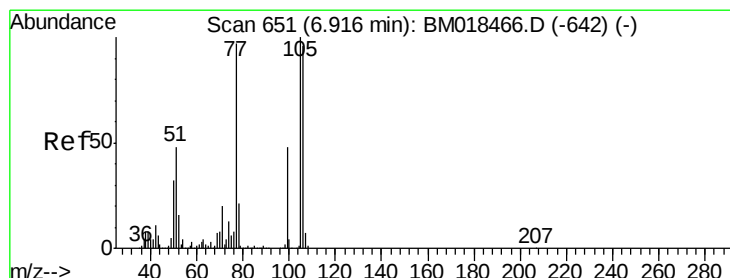
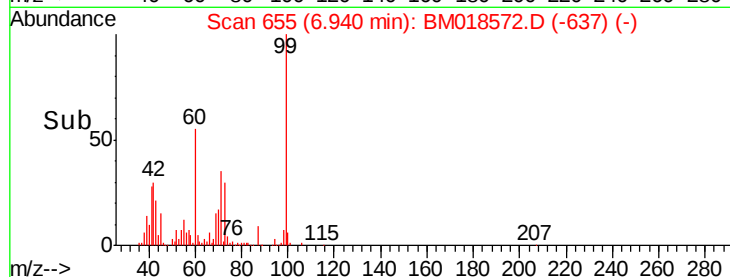
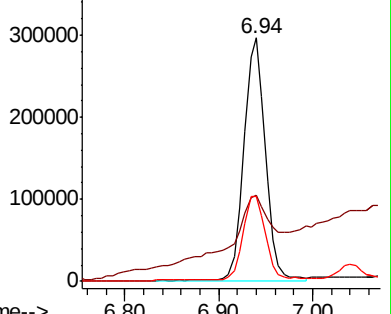
71 35.0 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#9

Benzaldehyde

Concen: 2.410 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.00 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

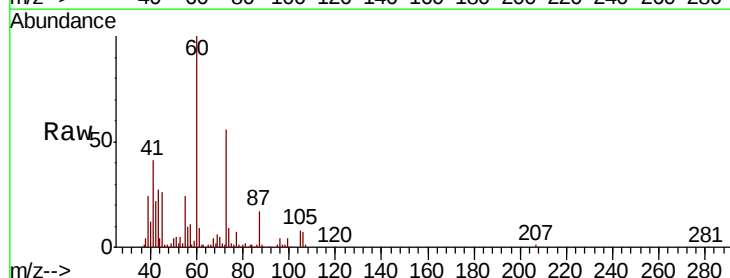
Tgt Ion: 77 Resp: 23931

Ion Ratio Lower Upper

77 100

105 110.9 79.7 119.7

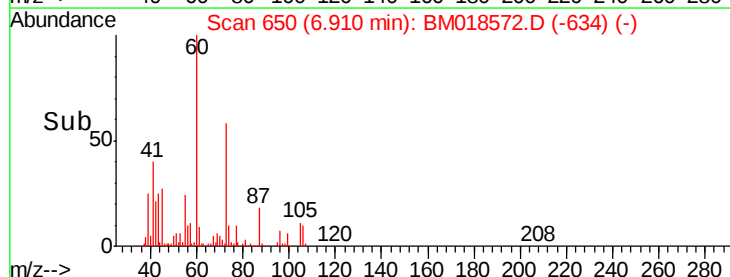
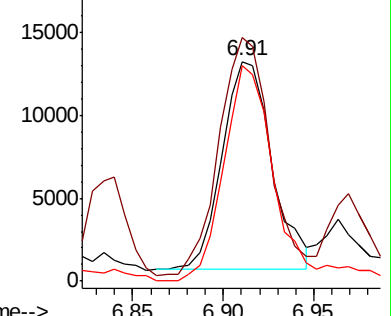
106 98.3 75.2 115.2

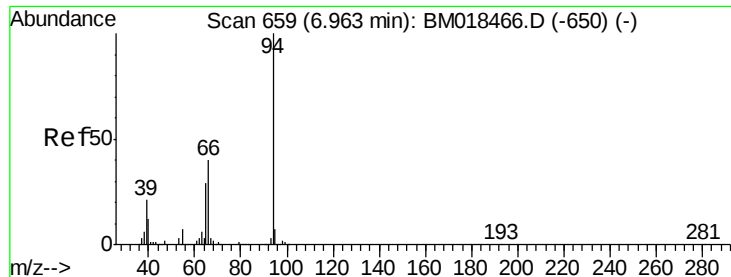


Abundance Ion 77.00 (76.70 to 77.70): BM018466.D (-642) (-)

Ion 105.00 (104.70 to 105.70): BM018466.D (-642) (-)

Ion 106.00 (105.70 to 106.70): BM018466.D (-642) (-)





#10

Phenol

Concen: 23.378 ng

RT: 6.96 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

Instrument :

BNA_M

ClientSampleId :

COMP-1

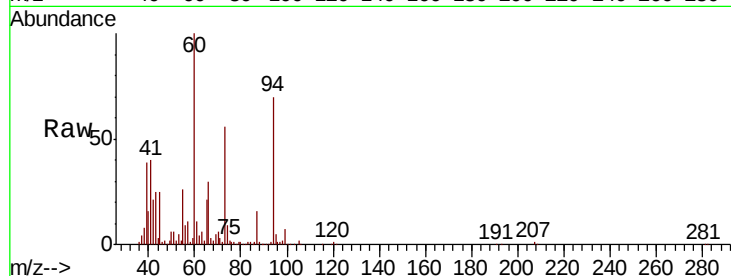
Tgt Ion: 94 Resp: 303904

Ion Ratio Lower Upper

94 100

65 29.1 9.4 49.4

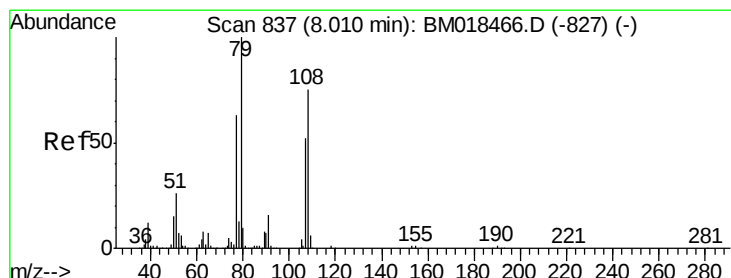
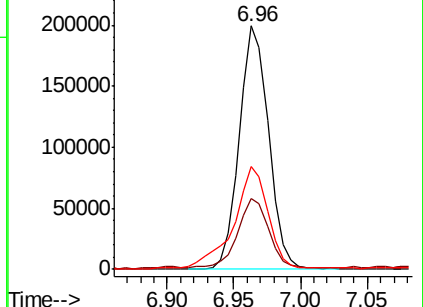
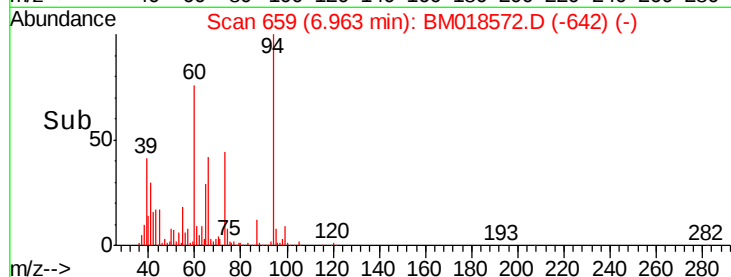
66 42.1 19.1 59.1



Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)



#15

Benzyl Alcohol

Concen: 34.269 ng

RT: 8.01 min Scan# 837

Delta R.T. 0.00 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

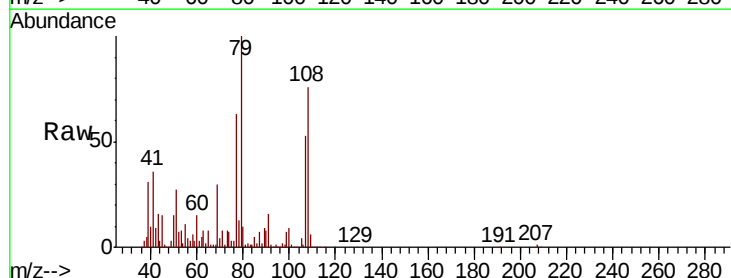
Tgt Ion: 79 Resp: 316638

Ion Ratio Lower Upper

79 100

108 75.7 60.4 90.6

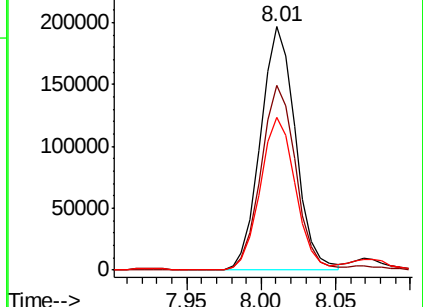
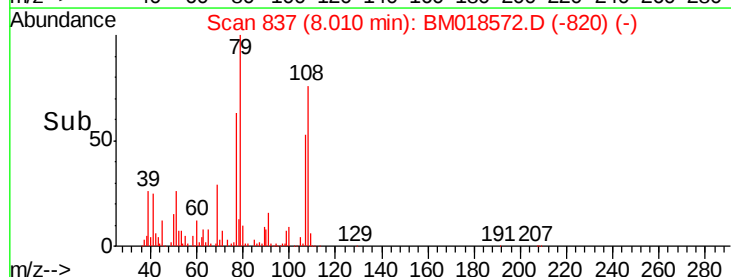
77 63.0 53.4 80.2

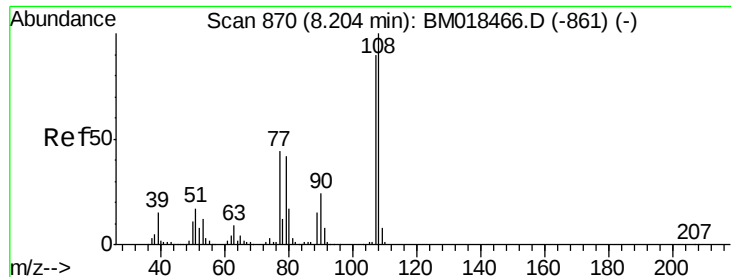


Abundance Ion 79.00 (78.70 to 79.70): BM018466.D (-827) (-)

Ion 108.00 (107.70 to 108.70): BM018466.D (-827) (-)

Ion 77.00 (76.70 to 77.70): BM018466.D (-827) (-)

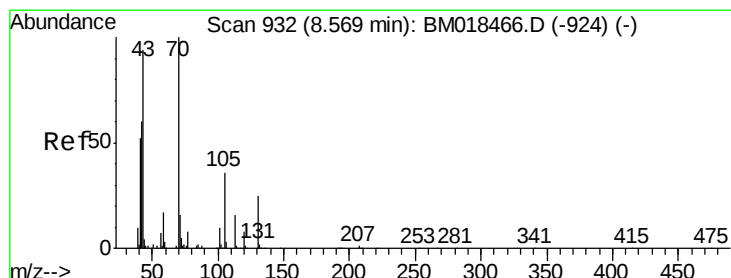
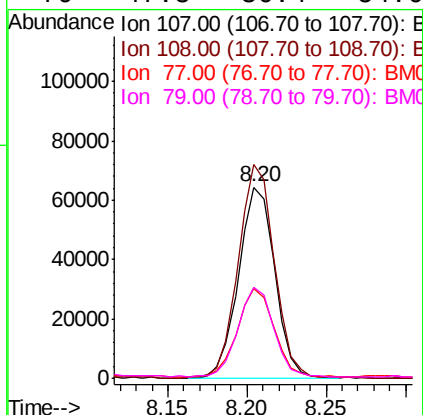
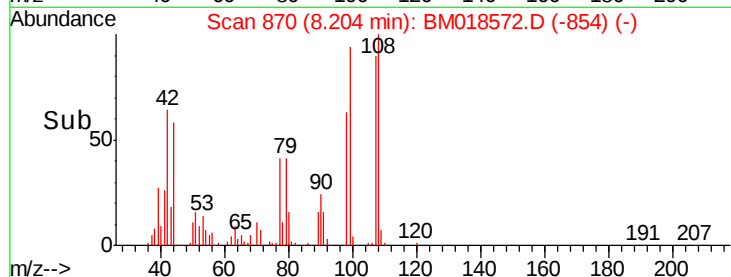
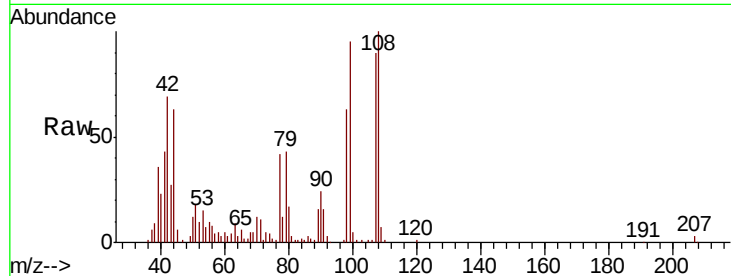




#17
2-Methylphenol
Concen: 11.597 ng
RT: 8.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

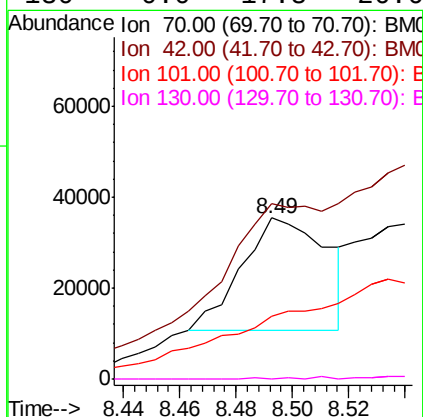
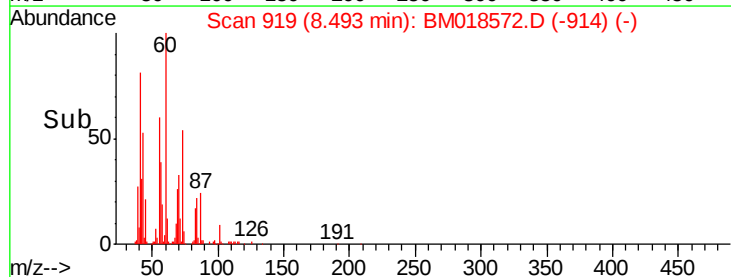
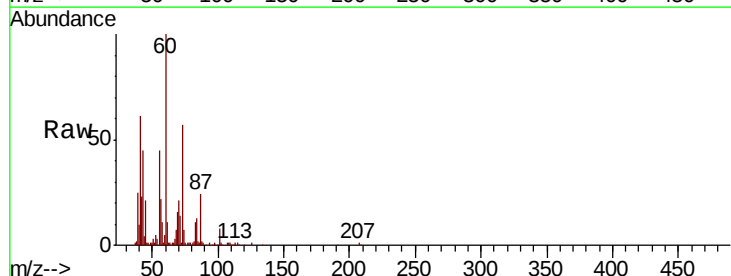
Instrument :
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ClientSampleId :
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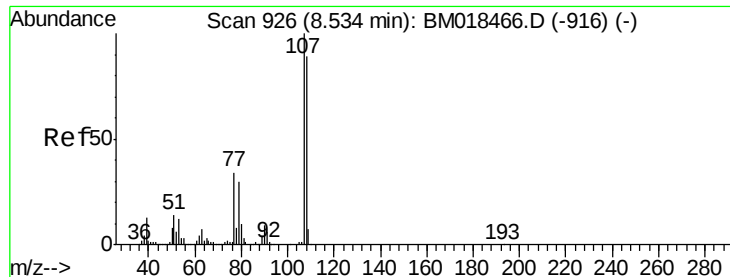
Tgt Ion:	107	Resp:	102336
Ion	Ratio	Lower	Upper
107	100		
108	111.6	87.5	131.3
77	47.2	37.3	55.9
79	47.8	36.4	54.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.236 ng
RT: 8.49 min Scan# 919
Delta R.T. -0.07 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion:	70	Resp:	51918
Ion	Ratio	Lower	Upper
70	100		
42	108.8	54.0	81.0#
101	38.7	8.1	12.1#
130	0.0	17.8	26.6#

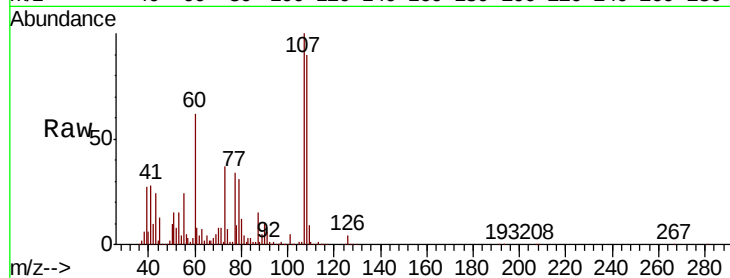




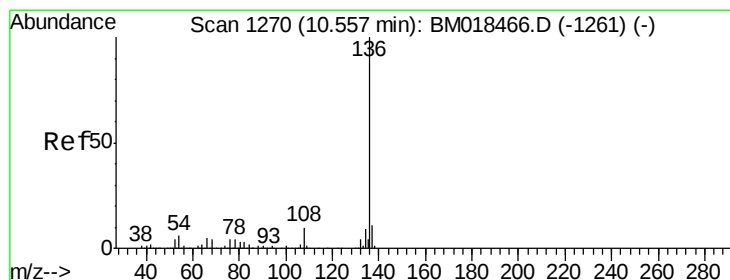
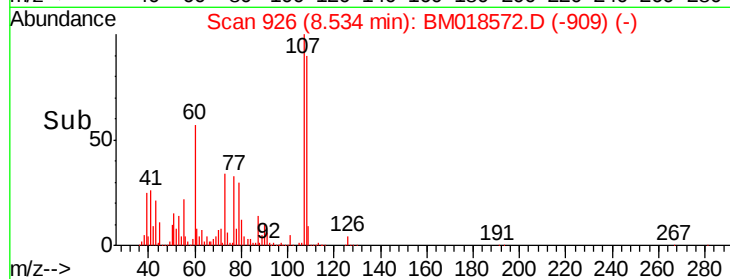
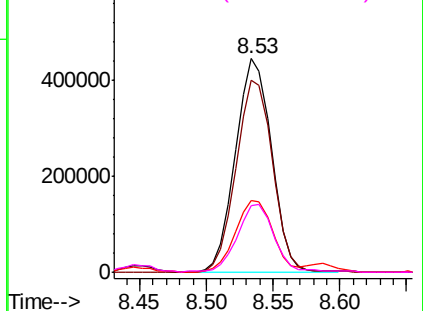
#20
3+4-Methylphenols
Concen: 68.542 ng
RT: 8.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:	107	Resp:	834939
Ion	Ratio	Lower	Upper
107	100		
108	89.6	66.8	106.8
77	33.5	13.3	53.3
79	31.1	8.8	48.8

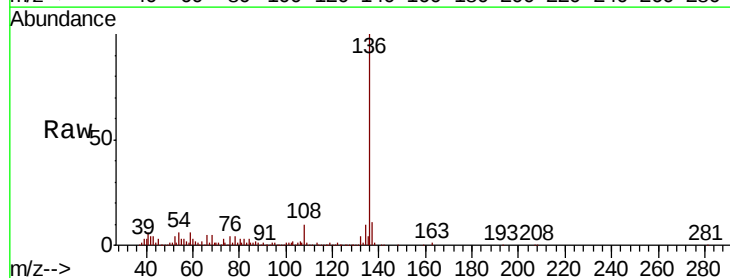


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

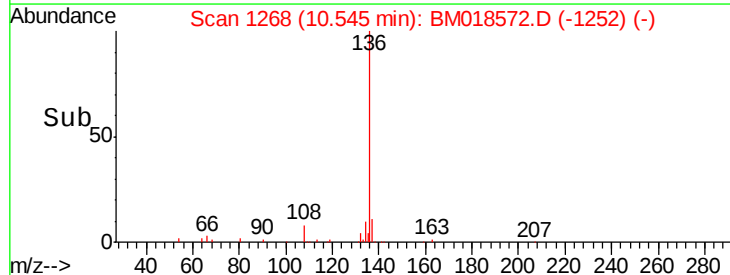
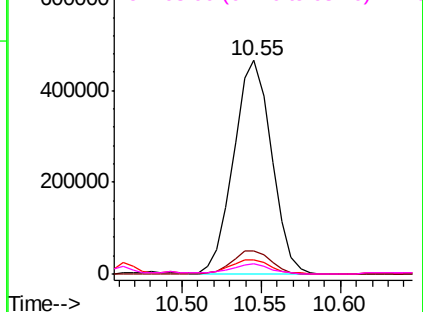


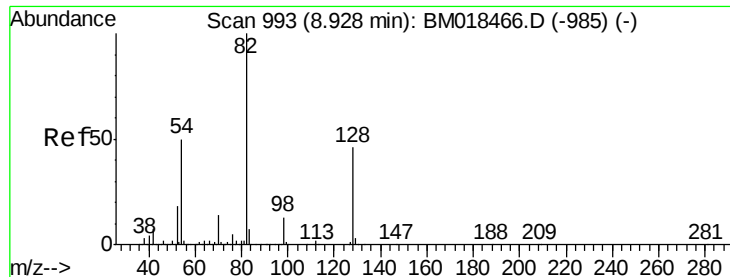
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion:	136	Resp:	772313
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.4	6.0	9.0
68	4.5	4.5	6.7



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): BM0
Ion 68.00 (67.70 to 68.70): BM0

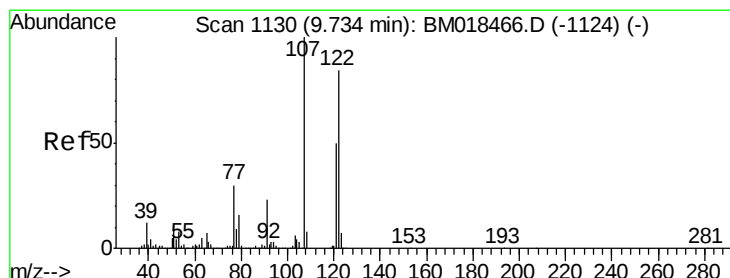
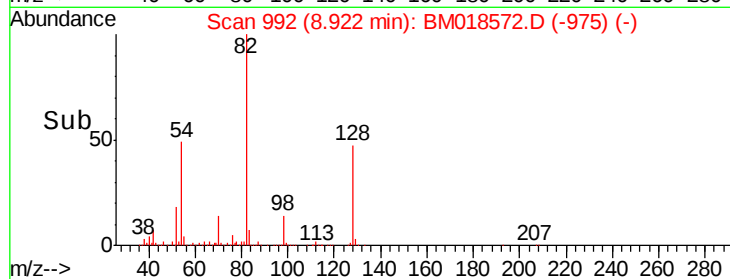
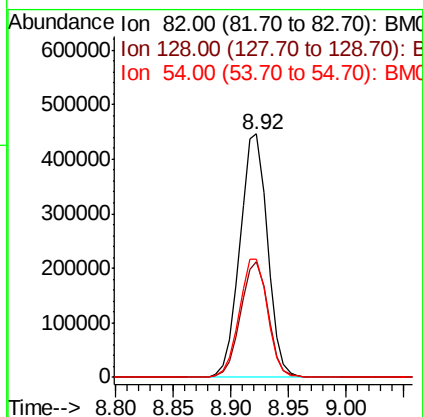
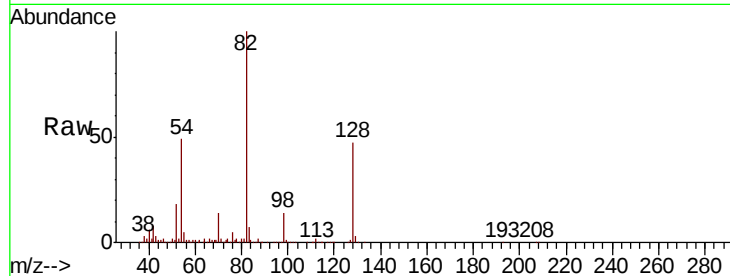




#23
 Nitrobenzene-d5
 Concen: 55.597 ng
 RT: 8.92 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BM018572.D
 Acq: 15 Jan 2019 21:53

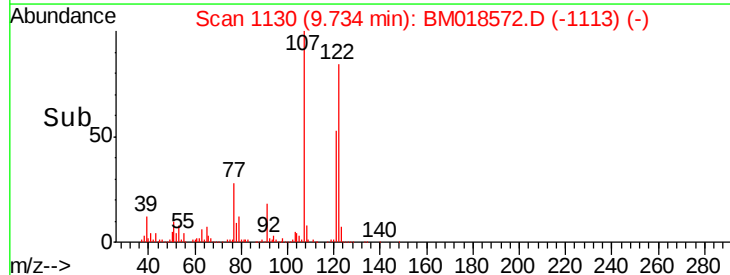
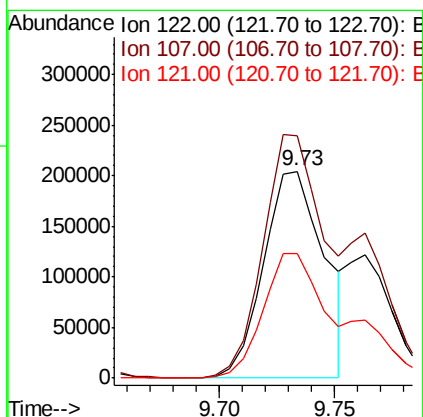
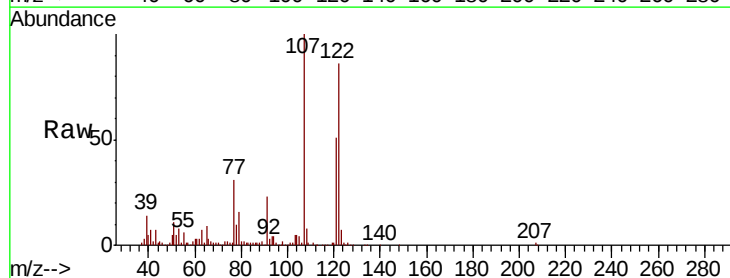
Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

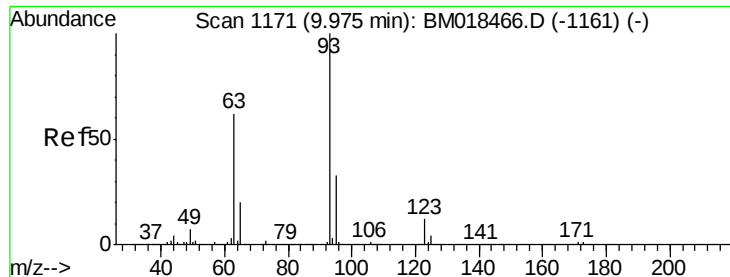
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.3	54.5
54	48.8	41.7	62.5



#27
 2,4-Dimethylphenol
 Concen: 39.303 ng
 RT: 9.73 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BM018572.D
 Acq: 15 Jan 2019 21:53

Tgt Ion	Ratio	Lower	Upper
122	100		
107	116.8	91.9	137.9
121	59.9	47.5	71.3

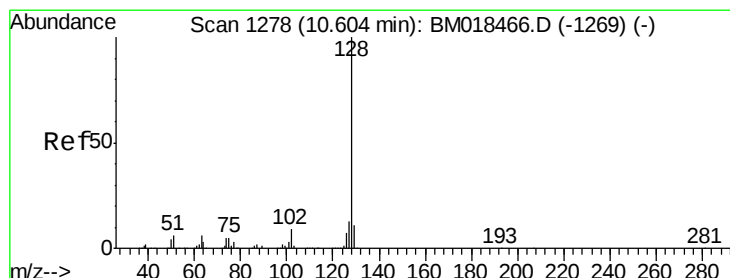
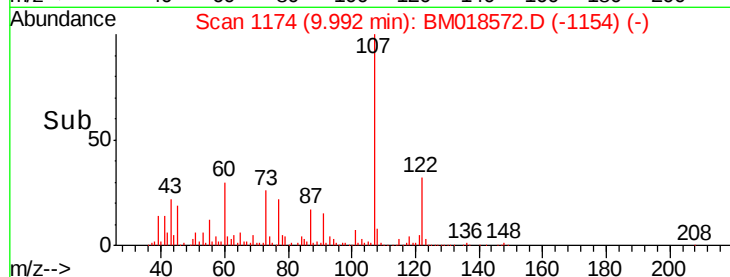
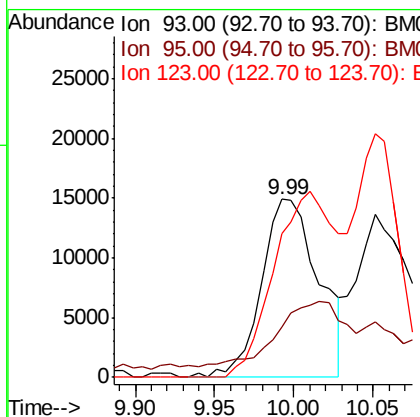
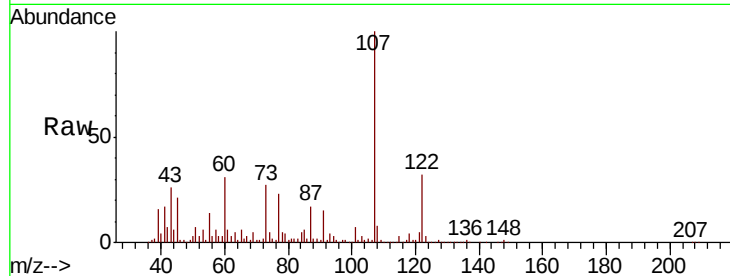




#28
bis(2-Chloroethoxy)methane
Concen: 2.689 ng
RT: 9.99 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

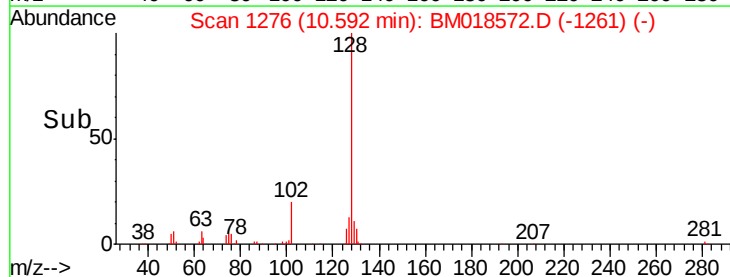
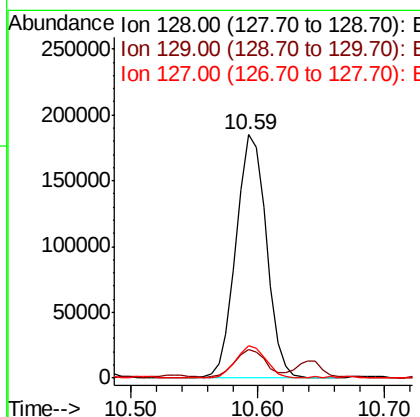
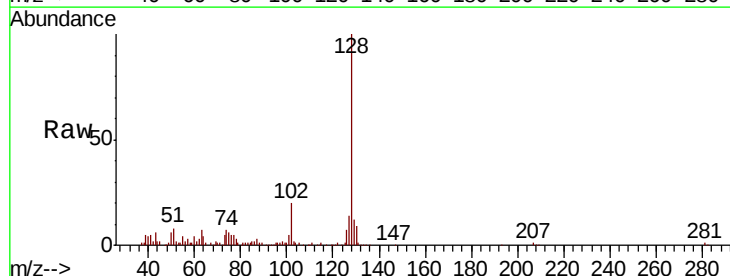
Instrument :
BNA_M
ClientSampleId :
COMP-1

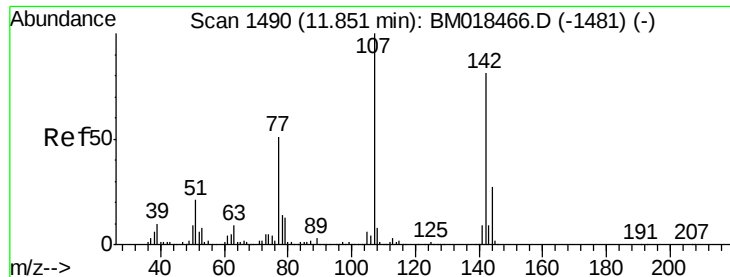
Tgt Ion: 93 Resp: 37479
Ion Ratio Lower Upper
93 100
95 28.0 26.6 39.8
123 80.8 9.9 14.9#



#31
Naphthalene
Concen: 8.205 ng
RT: 10.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion: 128 Resp: 305185
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 13.5 10.8 16.2

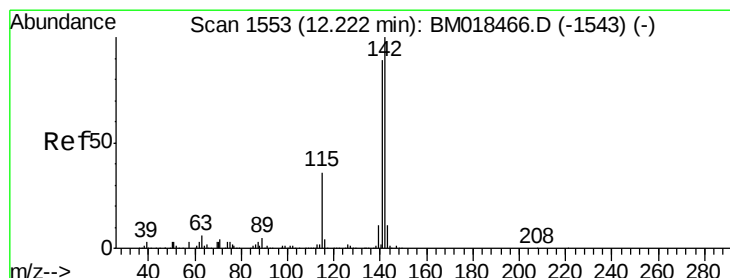
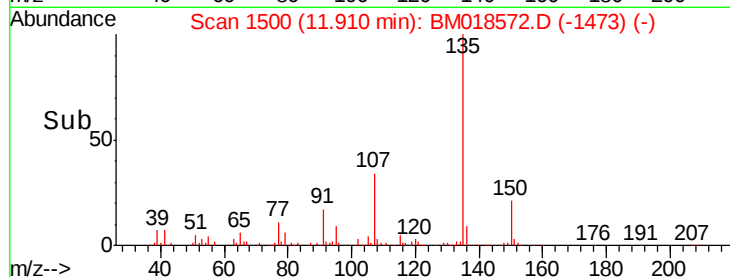
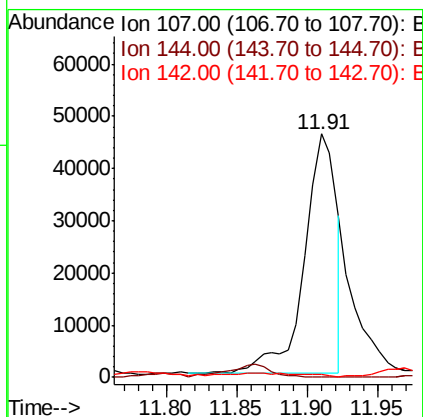
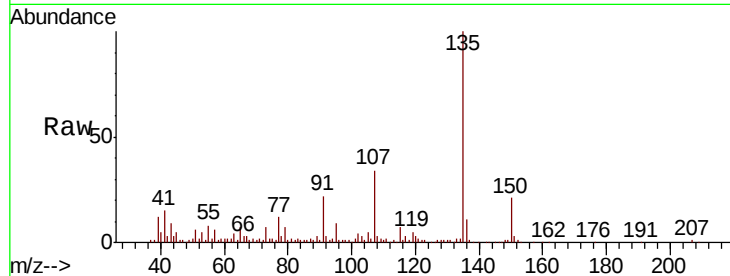




#36
 4-Chloro-3-methylphenol
 Concen: 6.173 ng
 RT: 11.91 min Scan# 1500
 Delta R.T. 0.06 min
 Lab File: BM018572.D
 Acq: 15 Jan 2019 21:53

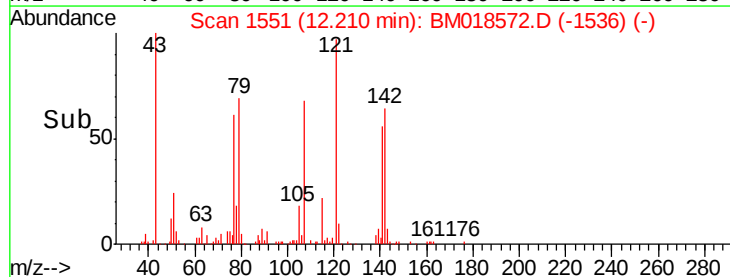
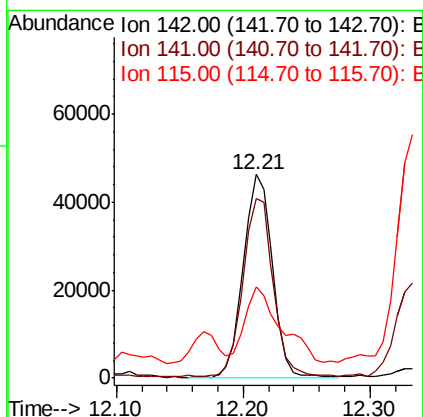
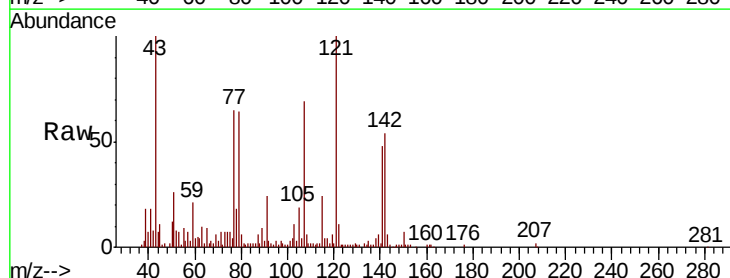
Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

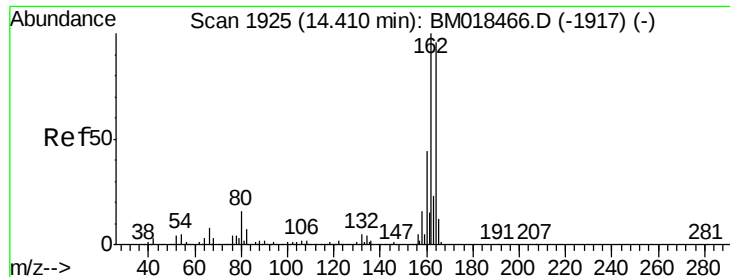
Tgt Ion:107 Resp: 73265
 Ion Ratio Lower Upper
 107 100
 144 0.0 21.9 32.9#
 142 1.3 67.9 101.9#



#37
 2-Methylnaphthalene
 Concen: 2.845 ng
 RT: 12.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM018572.D
 Acq: 15 Jan 2019 21:53

Tgt Ion:142 Resp: 74762
 Ion Ratio Lower Upper
 142 100
 141 88.2 71.4 107.2
 115 44.6 28.0 42.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.40 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

Instrument :

BNA_M

ClientSampleId :

COMP-1

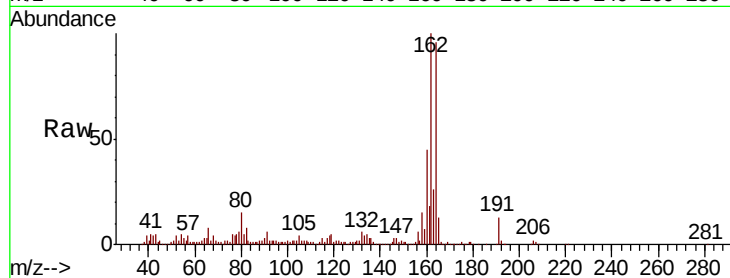
Tgt Ion:164 Resp: 490544

Ion Ratio Lower Upper

164 100

162 104.1 83.0 124.4

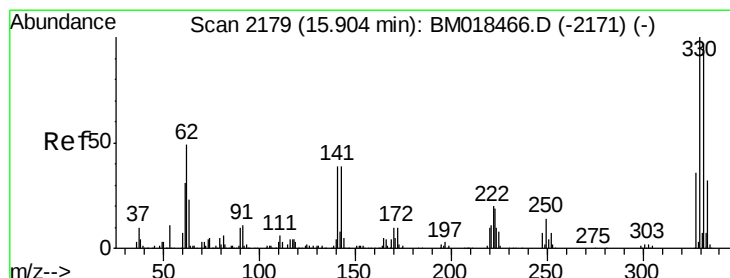
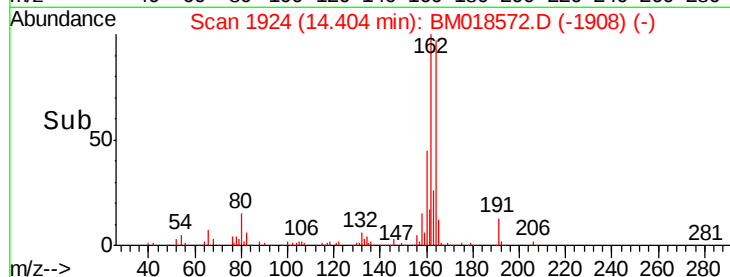
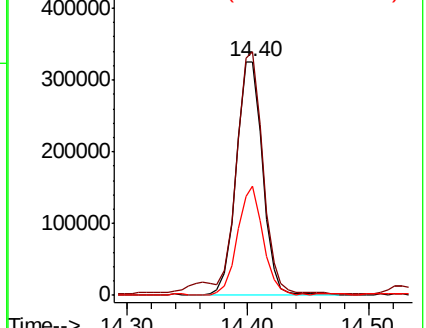
160 46.7 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 97.748 ng

RT: 15.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

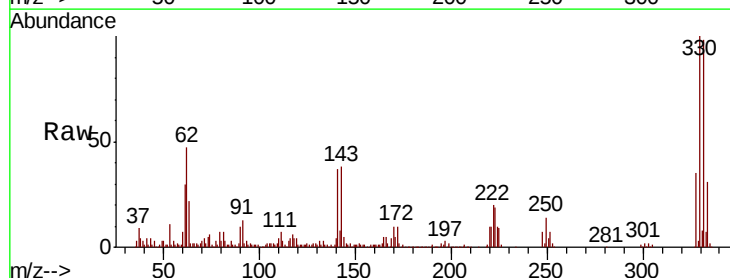
Tgt Ion:330 Resp: 610534

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

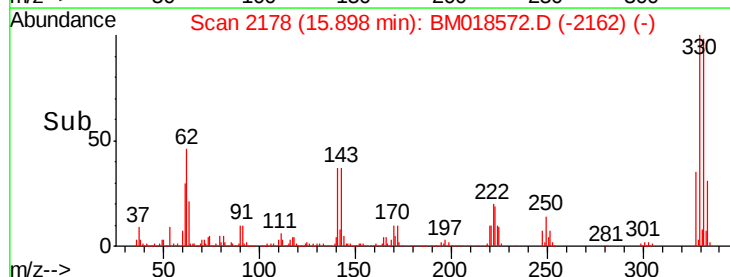
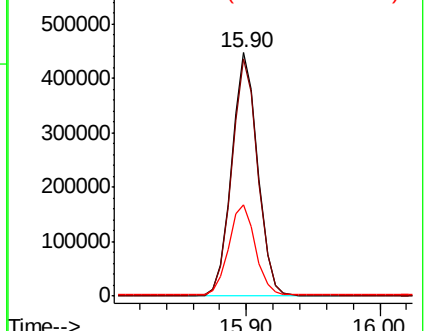
141 37.8 31.7 47.5

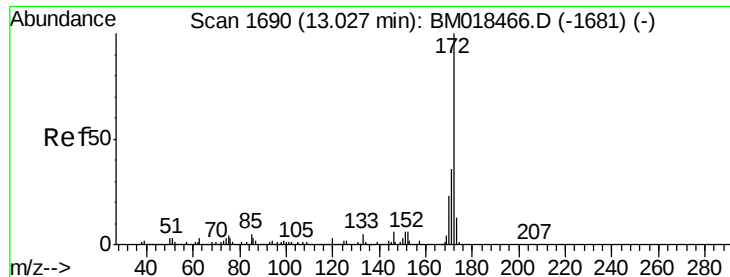


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

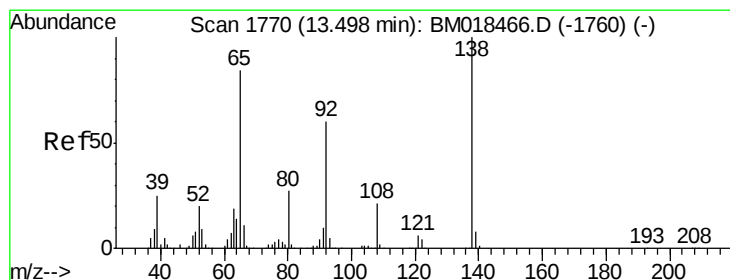
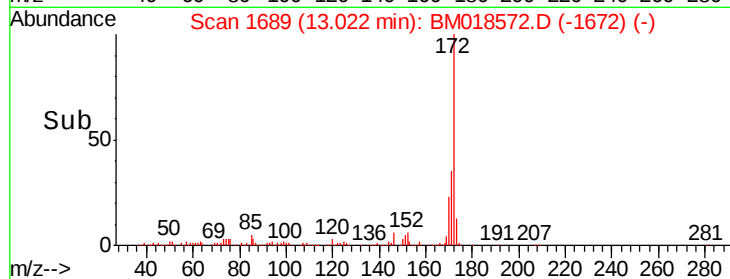
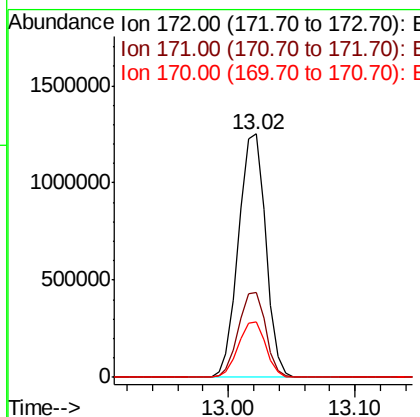
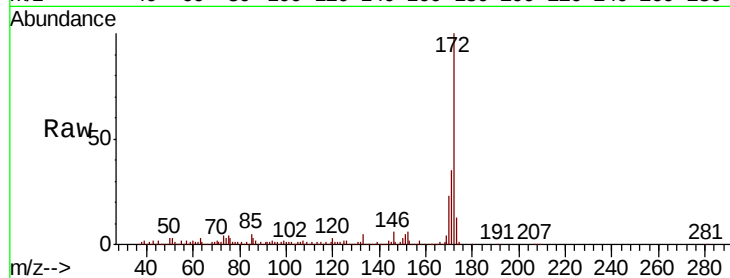




#45
2-Fluorobiphenyl
Concen: 49.553 ng
RT: 13.02 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

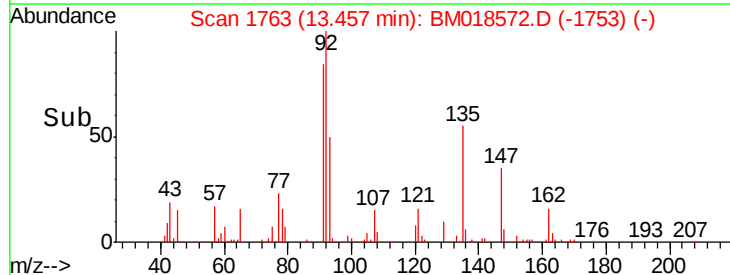
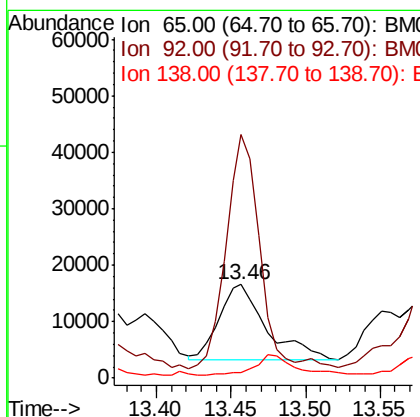
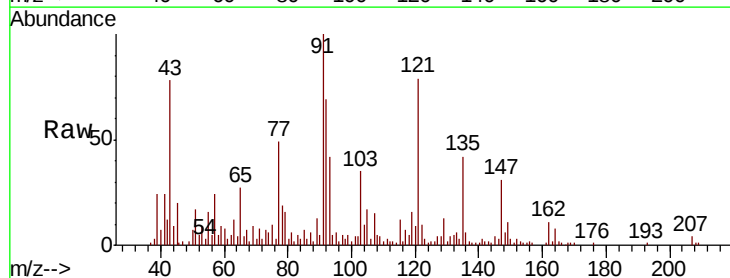
Instrument :
BNA_M
ClientSampleId :
COMP-1

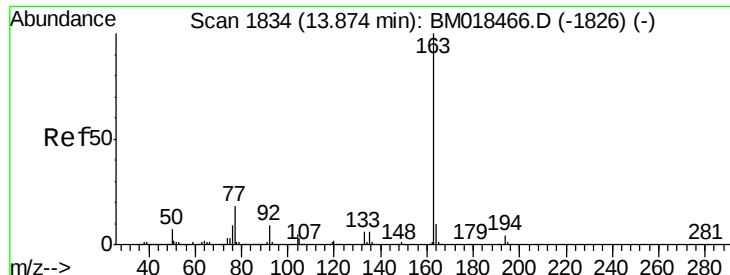
Tgt Ion: 172 Resp: 1862890
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.9 18.9 28.3



#48
2-Nitroaniline
Concen: 3.537 ng
RT: 13.46 min Scan# 1763
Delta R.T. -0.04 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion: 65 Resp: 28904
Ion Ratio Lower Upper
65 100
92 260.0 53.4 80.2#
138 5.5 88.9 133.3#





#50

Dimethylphthalate

Concen: 6.598 ng

RT: 13.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

Instrument :

BNA_M

ClientSampleId :

COMP-1

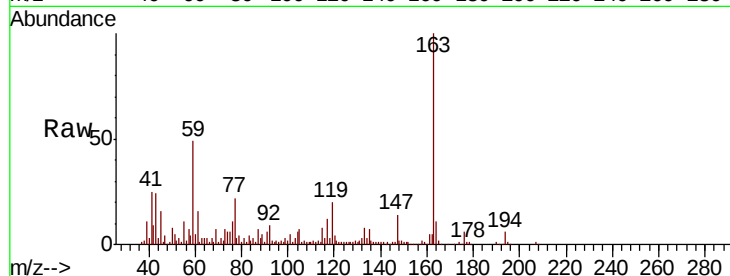
Tgt Ion:163 Resp: 265818

Ion Ratio Lower Upper

163 100

194 6.2 3.0 4.6#

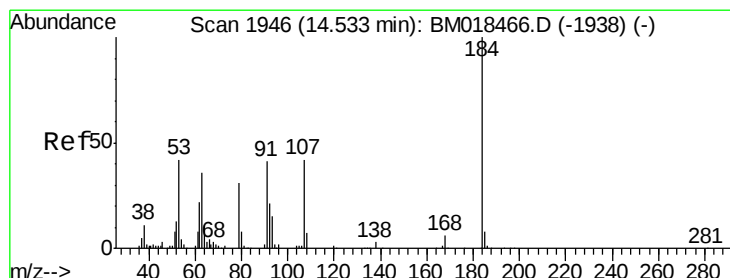
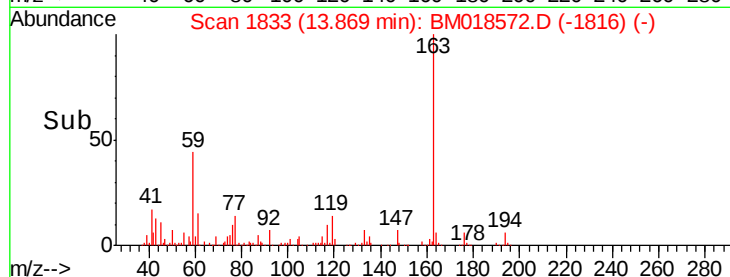
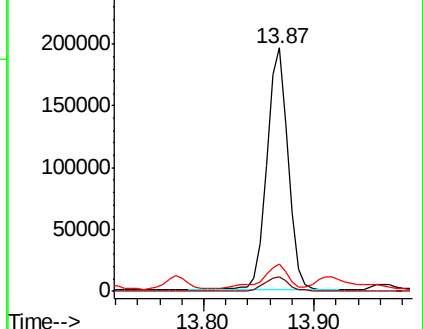
164 11.1 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.244 ng

RT: 14.55 min Scan# 1948

Delta R.T. 0.01 min

Lab File: BM018572.D

Acq: 15 Jan 2019 21:53

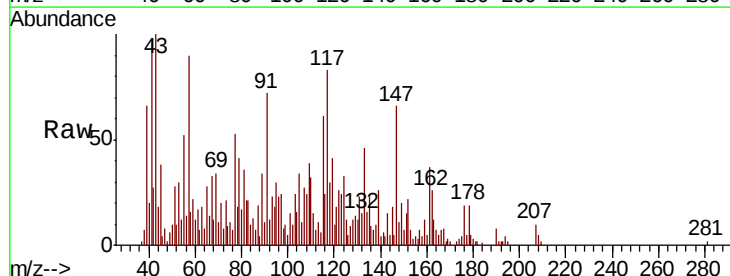
Tgt Ion:184 Resp: 214

Ion Ratio Lower Upper

184 100

63 1307.2 55.9 83.9#

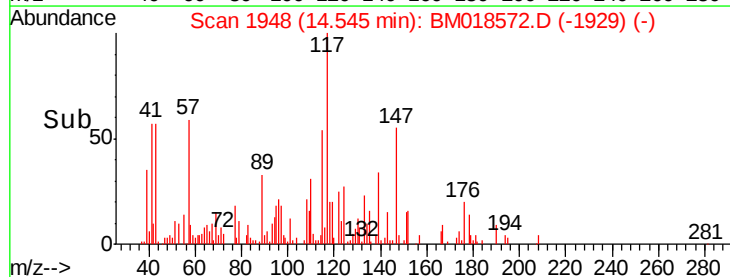
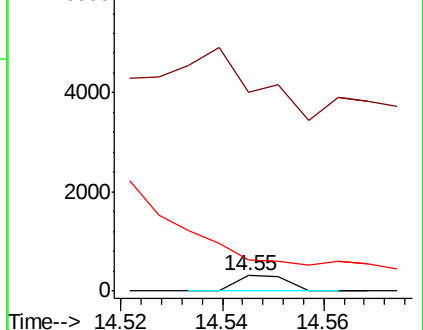
154 203.3 54.2 81.4#

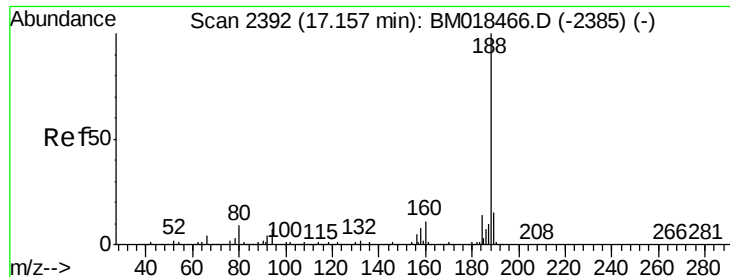


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E

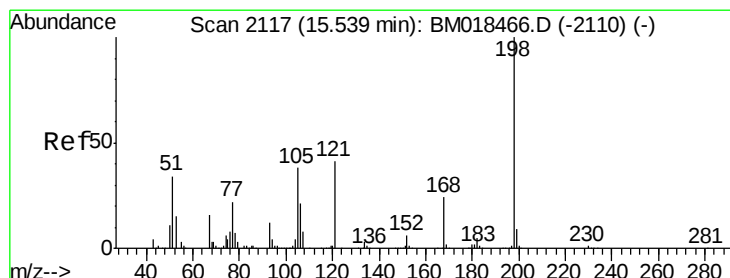
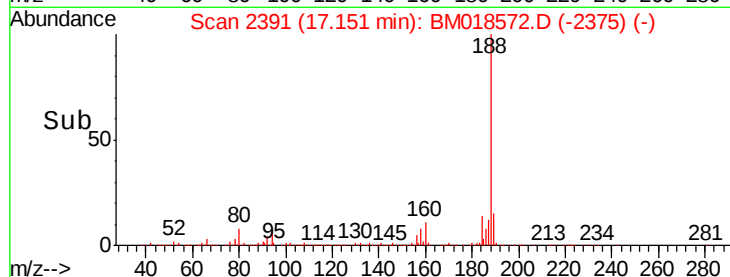
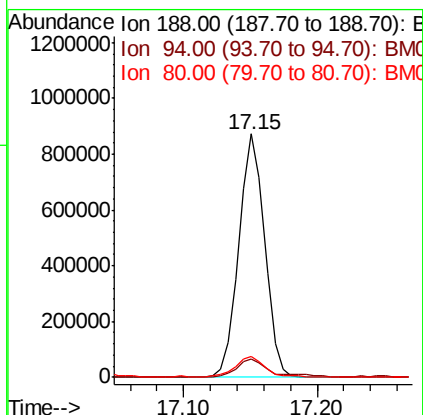
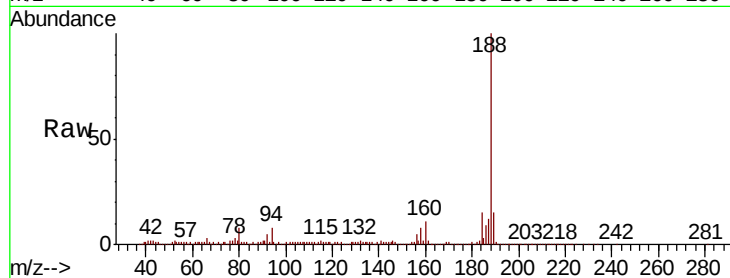




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.15 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

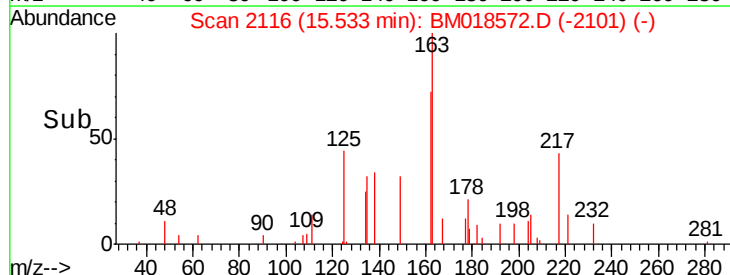
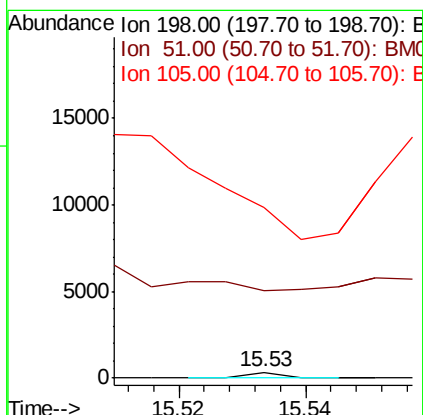
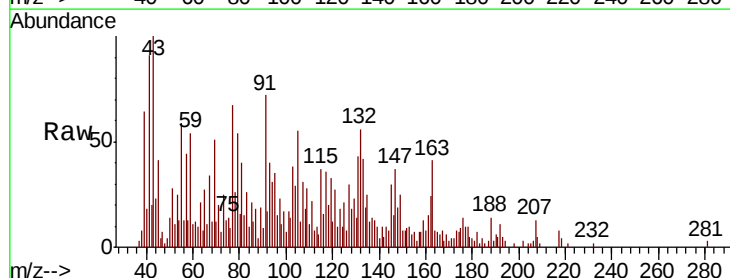
Instrument :
BNA_M
ClientSampled :
COMP-1

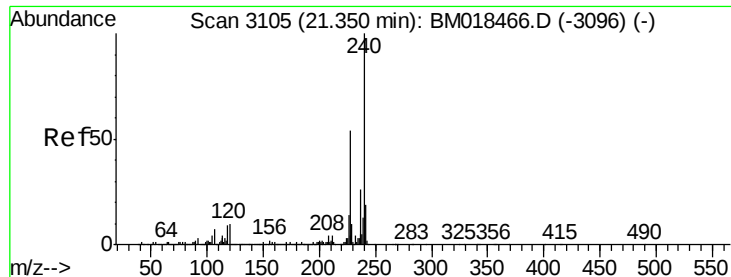
Tgt Ion:188 Resp: 1164653
Ion Ratio Lower Upper
188 100
94 7.6 7.1 10.7
80 8.4 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.407 ng
RT: 15.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 1587.5 29.6 69.6#
105 3094.7 25.5 65.5#

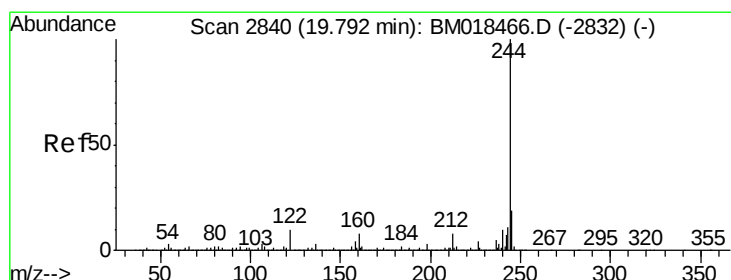
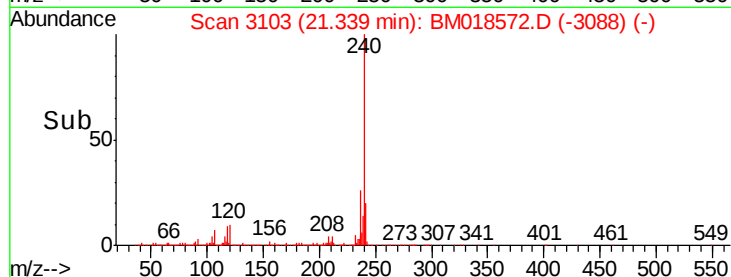
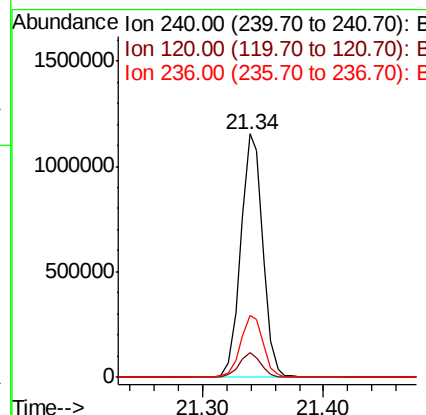
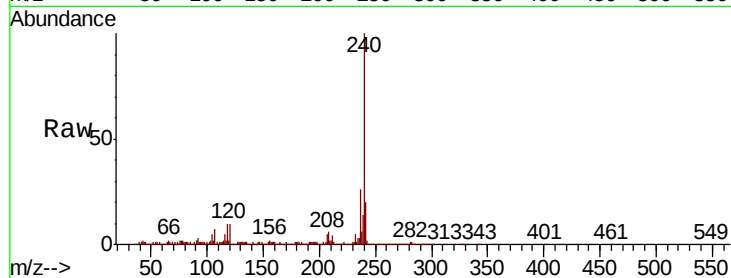




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

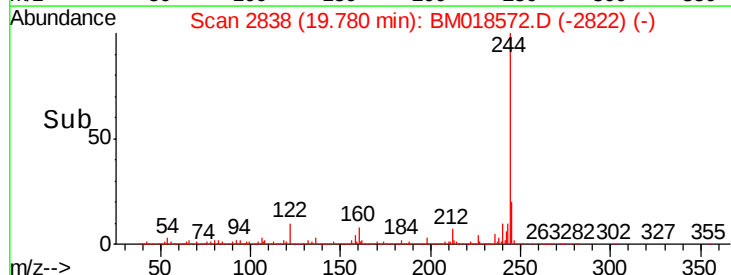
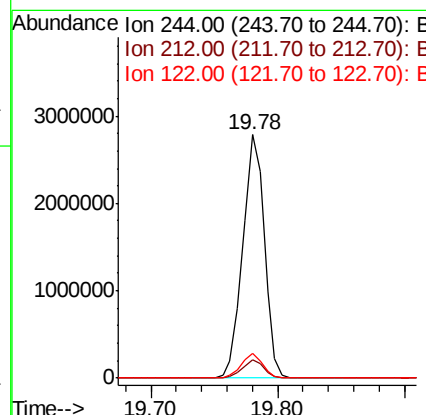
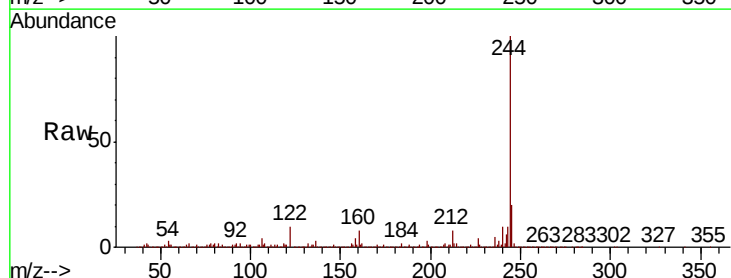
Instrument :
BNA_M
ClientSampleId :
COMP-1

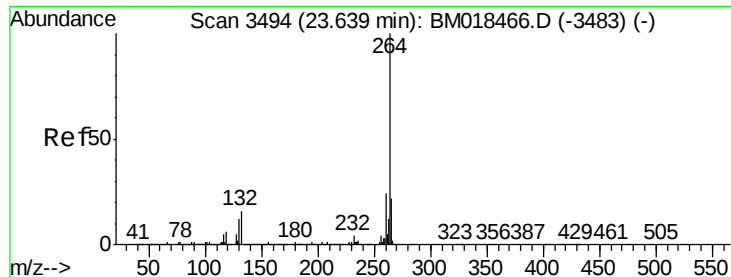
Tgt Ion:240 Resp: 1461345
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 25.6 20.7 31.1



#79
Terphenyl-d14
Concen: 46.941 ng
RT: 19.78 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Tgt Ion:244 Resp: 3254098
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 10.1 9.0 13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 23.62 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM018572.D
Acq: 15 Jan 2019 21:53

Instrument :
BNA_M
ClientSampleId :
COMP-1

Tgt Ion: 264 Resp: 1653427

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.6	16.8	25.2

