

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011519\
 Data File : BM018574.D
 Acq On : 15 Jan 2019 23:05
 Operator : JU/SJ
 Sample : K1131-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Quant Time: Jan 16 00:08:30 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	228022	20.00	ng	-0.01
21) Naphthalene-d8	10.55	136	956460	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	576204	20.00	ng	-0.01
64) Phenanthrene-d10	17.15	188	1366094	20.00	ng	0.00
76) Chrysene-d12	21.34	240	1672998	20.00	ng	0.00
87) Perylene-d12	23.62	264	1847982	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1507870	122.11	ng	-0.01
7) Phenol-d6	6.93	99	1999111	127.46	ng	0.00
23) Nitrobenzene-d5	8.92	82	1196526	72.52	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	914943	124.71	ng	0.00
45) 2-Fluorobiphenyl	13.02	172	3109394	70.41	ng	0.00
79) Terphenyl-d14	19.78	244	5397928	68.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.28	88	137264	27.272	ng	96
3) Pyridine	3.68	79	387943	30.916	ng	96
4) n-Nitrosodimethylamine	3.60	42	212813	41.013	ng	# 93
6) Aniline	7.09	93	217420	12.427	ng	98
8) 2-Chlorophenol	7.32	128	583204	40.437	ng	96
9) Benzaldehyde	6.90	77	155660	14.506	ng	99
10) Phenol	6.96	94	692011	43.419	ng	99
11) bis(2-Chloroethyl)ether	7.19	93	458090	36.579	ng	95
12) 1,3-Dichlorobenzene	7.64	146	597839	34.807	ng	97
13) 1,4-Dichlorobenzene	7.79	146	613310	35.230	ng	99
14) 1,2-Dichlorobenzene	8.10	146	590468	35.770	ng	99
15) Benzyl Alcohol	8.00	79	474314	41.870	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.27	45	564285	35.258	ng	95
17) 2-Methylphenol	8.20	107	460170	42.535	ng	99
18) Hexachloroethane	8.82	117	218131	35.142	ng	95
19) n-Nitroso-di-n-propylamine	8.56	70	385069	37.725	ng	91
20) 3+4-Methylphenols	8.52	107	630974	42.248	ng	99
22) Acetophenone	8.58	105	789066	33.350	ng	# 97
24) Nitrobenzene	8.96	77	576014	35.482	ng	96
25) Isophorone	9.48	82	1048860	41.981	ng	97
26) 2-Nitrophenol	9.66	139	317996	40.511	ng	96
27) 2,4-Dimethylphenol	9.72	122	502298	42.692	ng	100
28) bis(2-Chloroethoxy)methane	9.96	93	635678	36.831	ng	99
29) 2,4-Dichlorophenol	10.19	162	568669	40.590	ng	98
30) 1,2,4-Trichlorobenzene	10.40	180	597556	34.363	ng	99
31) Naphthalene	10.59	128	1747989	37.948	ng	100
33) 4-Chloroaniline	10.72	127	183419	10.111	ng	98
34) Hexachlorobutadiene	10.86	225	361679	32.922	ng	98
35) Caprolactam	11.52	113	109525	22.994	ng	92
36) 4-Chloro-3-methylphenol	11.84	107	612217	41.652	ng	99
37) 2-Methylnaphthalene	12.21	142	1314110	40.378	ng	99
38) 1-Methylnaphthalene	12.43	142	1250309	39.705	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.57	216	680062	33.751	ng	99
41) Hexachlorocyclopentadiene	12.55	237	720443	65.147	ng	100

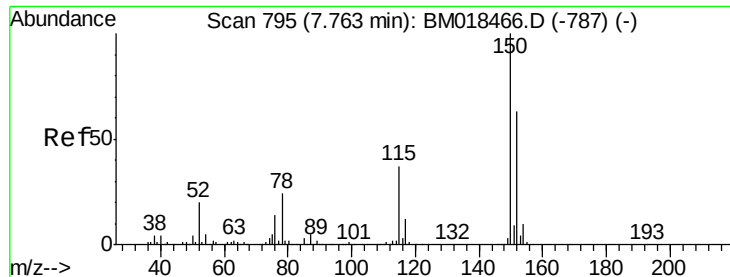
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM011519\
 Data File : BM018574.D
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 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.82	196	478680	39.120	ng	98
44) 2,4,5-Trichlorophenol	12.90	196	523270	40.662	ng	97
46) 1,1'-Biphenyl	13.23	154	1707320	33.935	ng	99
47) 2-Chloronaphthalene	13.27	162	1320640	33.850	ng	100
48) 2-Nitroaniline	13.49	65	372435	38.802	ng	90
49) Acenaphthylene	14.12	152	2189651	38.512	ng	99
50) Dimethylphthalate	13.86	163	2644024	55.873	ng	99
51) 2,6-Dinitrotoluene	13.99	165	387604	38.668	ng	94
52) Acenaphthene	14.46	154	1251892	35.986	ng	98
53) 3-Nitroaniline	14.32	138	153449	15.184	ng	97
54) 2,4-Dinitrophenol	14.53	184	265890	51.790	ng	91
55) Dibenzofuran	14.80	168	2051587	35.692	ng	98
56) 4-Nitrophenol	14.64	139	737157	84.436	ng	94
57) 2,4-Dinitrotoluene	14.77	165	559221	39.430	ng	99
58) Fluorene	15.45	166	1688307	39.430	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.03	232	483976	42.430	ng	97
60) Diethylphthalate	15.23	149	1793177	37.536	ng	99
61) 4-Chlorophenyl-phenylether	15.44	204	849612	34.427	ng	99
62) 4-Nitroaniline	15.49	138	382148	34.669	ng	96
63) Azobenzene	15.74	77	1407437	36.135	ng	97
65) 4,6-Dinitro-2-methylphenol	15.53	198	289659	34.921	ng	91
66) n-Nitrosodiphenylamine	15.66	169	1508673	35.602	ng	98
67) 4-Bromophenyl-phenylether	16.34	248	527649	34.515	ng	97
68) Hexachlorobenzene	16.44	284	591362	34.554	ng	99
69) Atrazine	16.62	200	582331	38.012	ng	98
70) Pentachlorophenol	16.80	266	804708	71.795	ng	98
71) Phenanthrene	17.19	178	2781095	38.274	ng	100
72) Anthracene	17.29	178	2835894	40.587	ng	100
73) Carbazole	17.56	167	2672452	37.228	ng	99
74) Di-n-butylphthalate	18.12	149	3158276	40.165	ng	99
75) Fluoranthene	19.21	202	3490649	41.667	ng	98
77) Benzidine	19.41	184	1172072	28.373	ng	100
78) Pyrene	19.58	202	3600047	36.303	ng	100
80) Butylbenzylphthalate	20.48	149	1623842	38.375	ng	93
81) Benzo(a)anthracene	21.33	228	3834181	38.902	ng	100
82) 3,3'-Dichlorobenzidine	21.27	252	703329	18.871	ng	100
83) Chrysene	21.38	228	3614841	37.982	ng	100
84) Bis(2-ethylhexyl)phthalate	21.25	149	2301623	37.667	ng	98
85) Di-n-octyl phthalate	22.14	149	4172920	40.604	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.94	276	4763614	43.406	ng	96
88) Benzo(b)fluoranthene	22.93	252	4006462	38.188	ng	99
89) Benzo(k)fluoranthene	22.98	252	4008484	37.912	ng	98
90) Benzo(a)pyrene	23.53	252	3998972	39.814	ng	# 98
91) Dibenzo(a,h)anthracene	25.96	278	4016771	39.469	ng	99
92) Benzo(g,h,i)perylene	26.66	276	3956199	39.947	ng	97

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

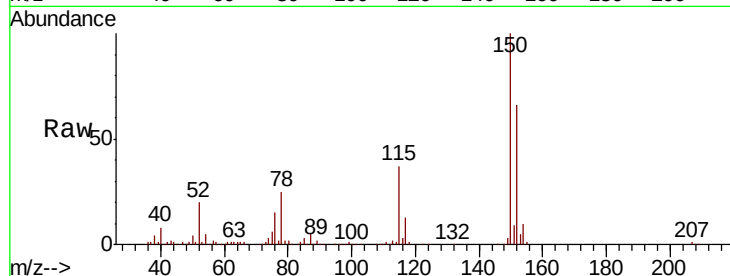


#1

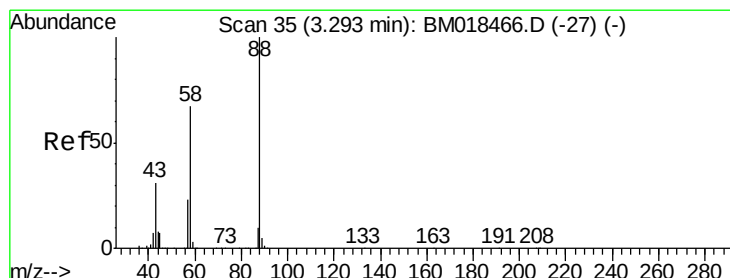
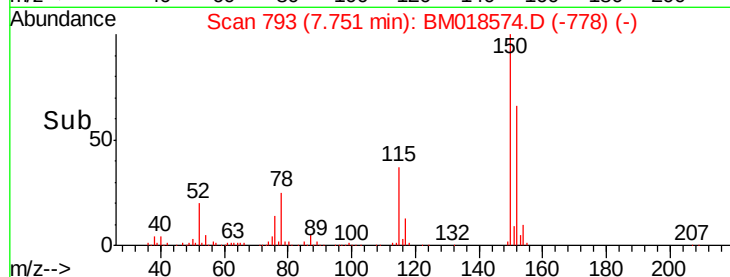
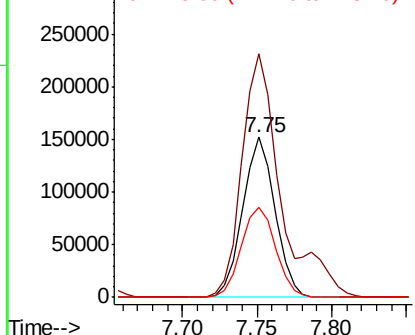
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:152 Resp: 228022
Ion Ratio Lower Upper
152 100
150 152.0 126.9 190.3
115 56.2 45.5 68.3



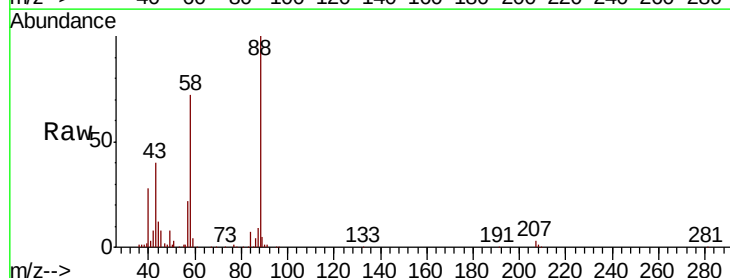
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



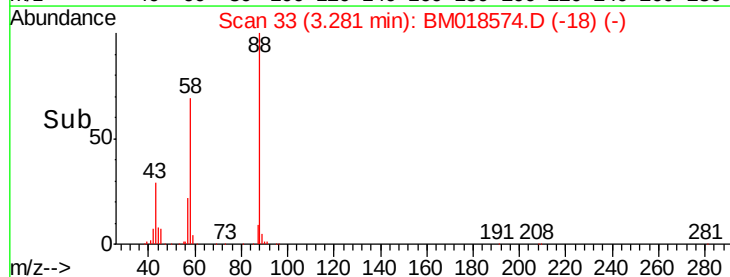
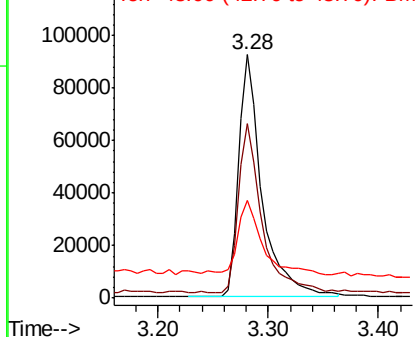
#2

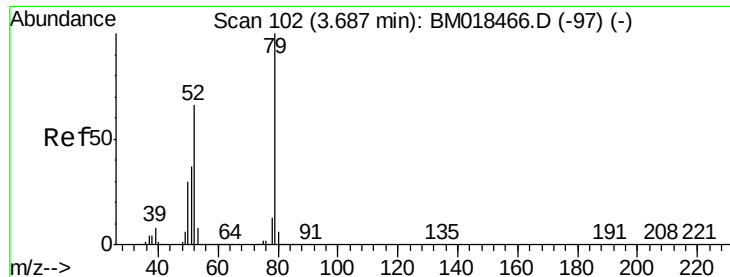
1,4-Dioxane
Concen: 27.272 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion: 88 Resp: 137264
Ion Ratio Lower Upper
88 100
58 69.1 58.4 87.6
43 31.9 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





#3

Pyridine

Concen: 30.916 ng

RT: 3.68 min Scan# 100

Delta R.T. -0.04 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

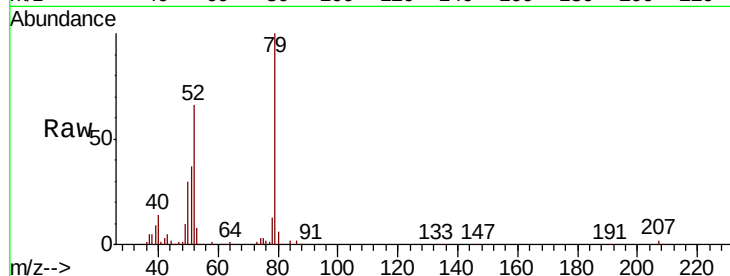
Tgt Ion: 79 Resp: 387943

Ion Ratio Lower Upper

79 100

52 66.3 56.4 84.6

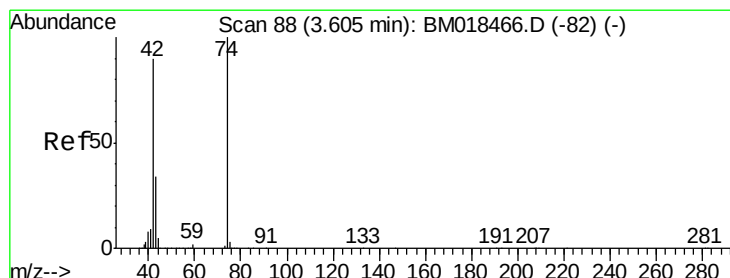
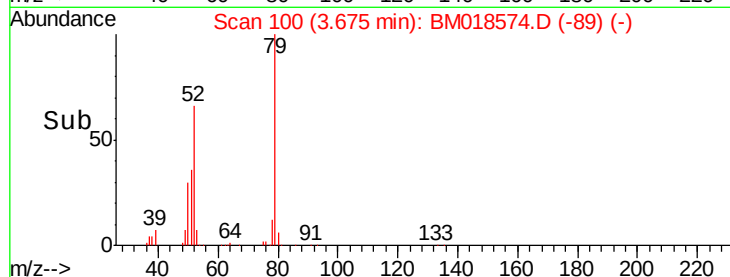
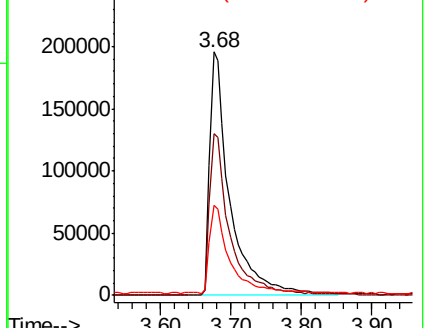
51 37.1 31.0 46.4



Abundance Ion 79.00 (78.70 to 79.70): BM018466.D (-97) (-)

Ion 52.00 (51.70 to 52.70): BM018466.D (-97) (-)

Ion 51.00 (50.70 to 51.70): BM018466.D (-97) (-)



#4

n-Nitrosodimethylamine

Concen: 41.013 ng

RT: 3.60 min Scan# 87

Delta R.T. -0.02 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

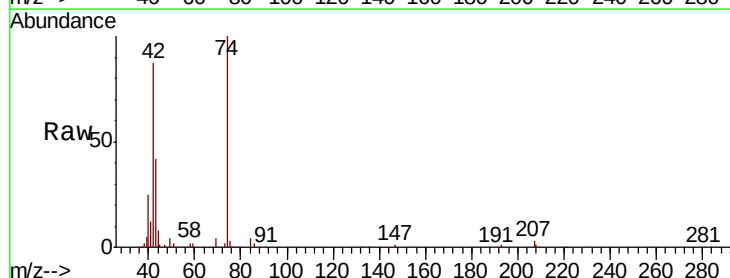
Tgt Ion: 42 Resp: 212813

Ion Ratio Lower Upper

42 100

74 114.5 88.6 132.8

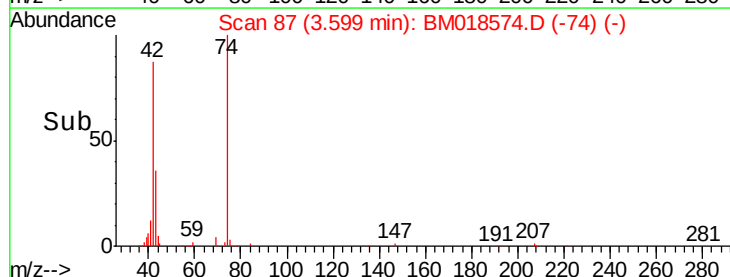
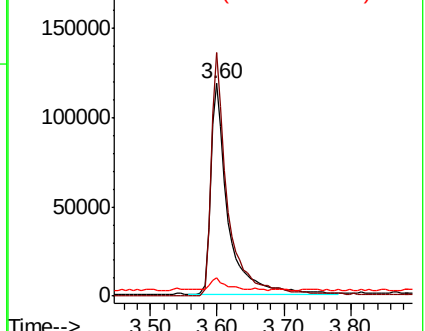
44 8.6 16.9 25.3#

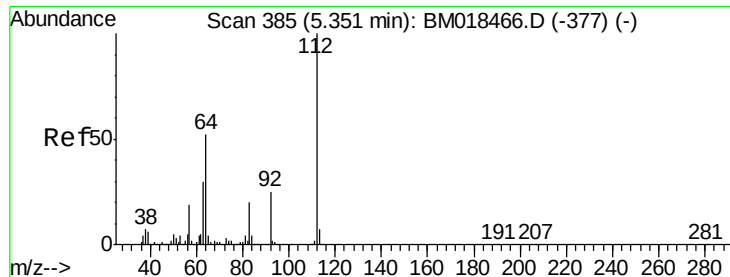


Abundance Ion 42.00 (41.70 to 42.70): BM018466.D (-82) (-)

Ion 74.00 (73.70 to 74.70): BM018466.D (-82) (-)

Ion 44.00 (43.70 to 44.70): BM018466.D (-82) (-)





#5

2-Fluorophenol

Concen: 122.105 ng

RT: 5.34 min Scan# 383

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

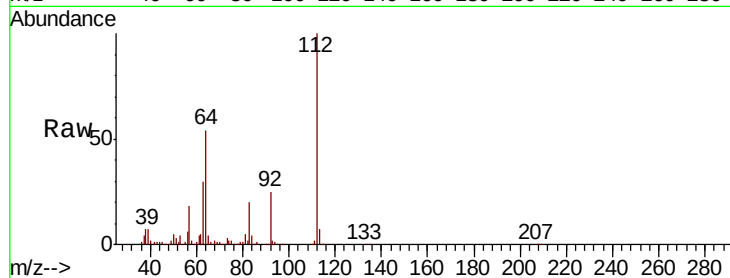
Tgt Ion: 112 Resp: 1507870

Ion Ratio Lower Upper

112 100

64 54.1 46.5 69.7

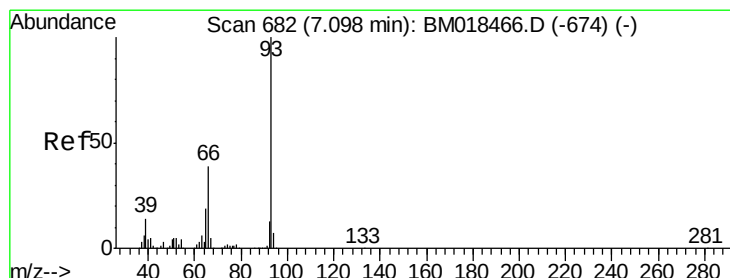
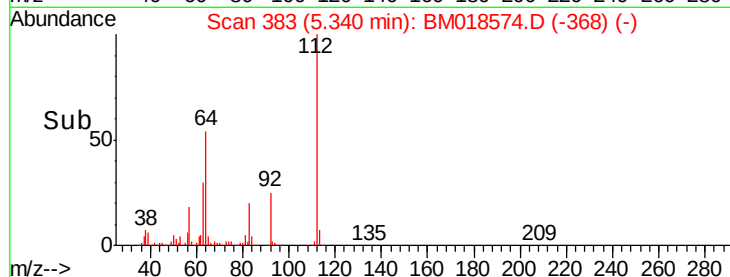
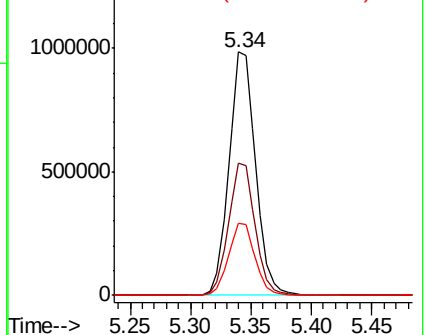
63 29.7 25.2 37.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 12.427 ng

RT: 7.09 min Scan# 681

Delta R.T. -0.02 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

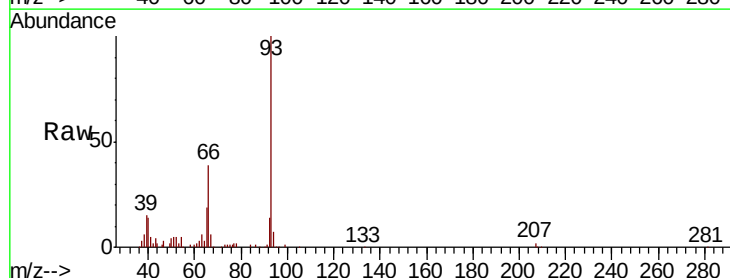
Tgt Ion: 93 Resp: 217420

Ion Ratio Lower Upper

93 100

66 38.5 31.7 47.5

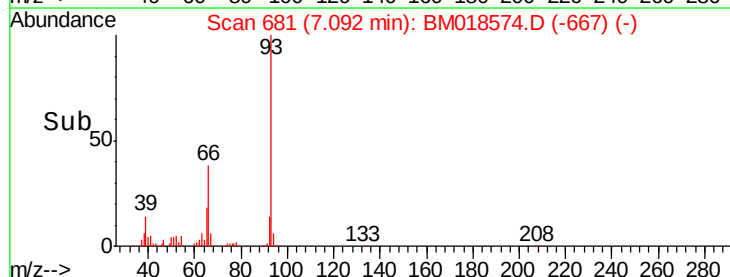
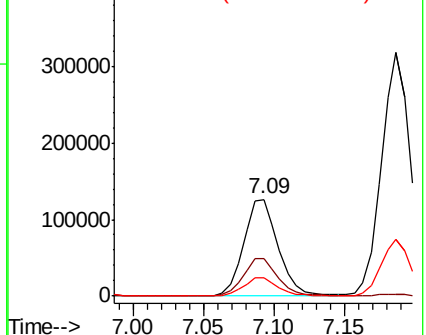
65 18.9 15.9 23.9

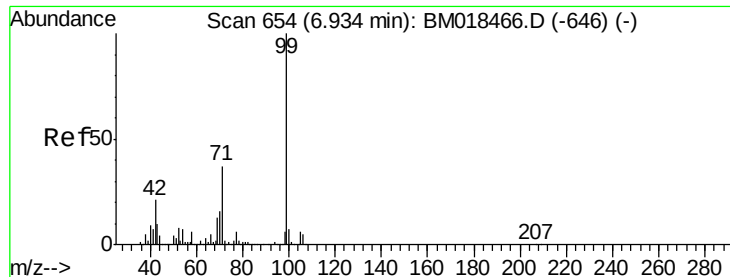


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 127.457 ng

RT: 6.93 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

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QD-01-011019MSD

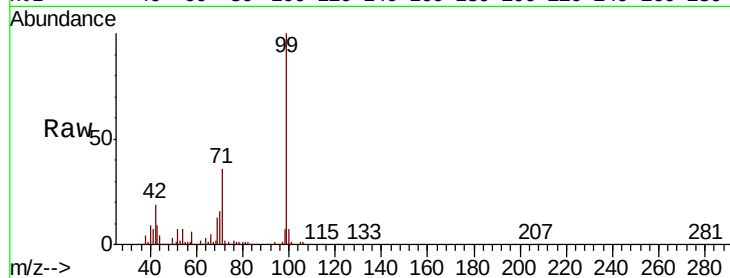
Tgt Ion: 99 Resp: 1999111

Ion Ratio Lower Upper

99 100

42 19.4 17.3 25.9

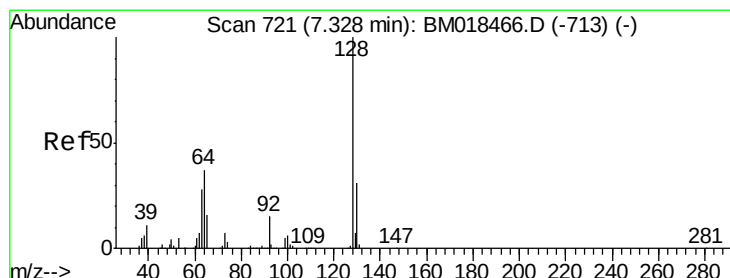
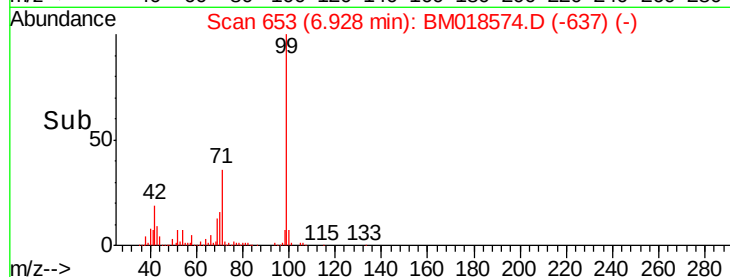
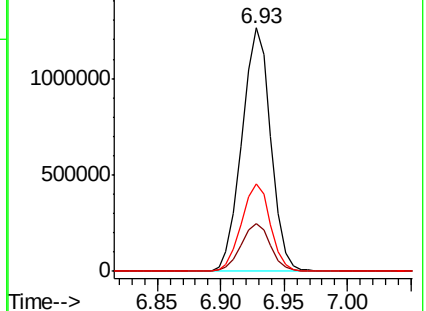
71 36.1 28.0 42.0



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) (-)



#8

2-Chlorophenol

Concen: 40.437 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

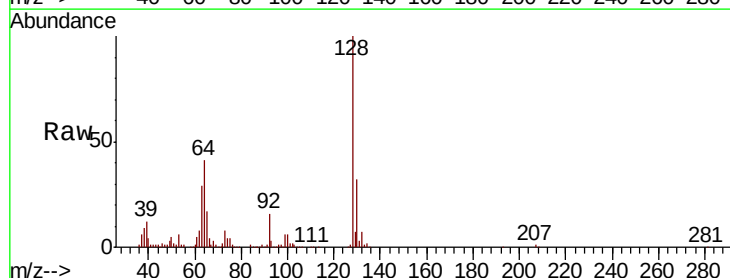
Tgt Ion: 128 Resp: 583204

Ion Ratio Lower Upper

128 100

130 32.4 13.6 53.6

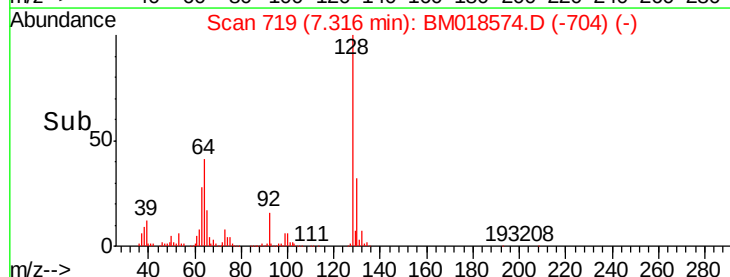
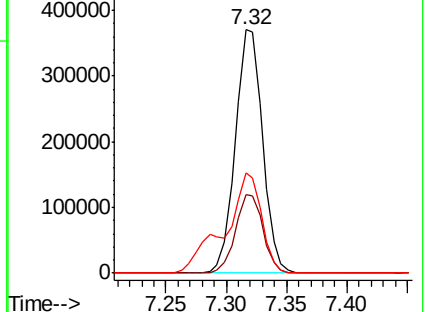
64 41.0 24.8 64.8

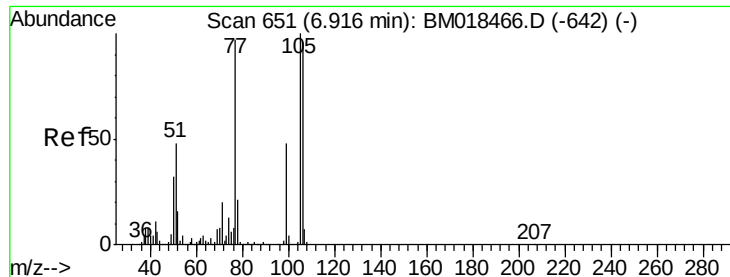


Abundance Ion 128.00 (127.70 to 128.70): BM018466.D (-713) (-)

Ion 130.00 (129.70 to 130.70): BM018466.D (-713) (-)

Ion 64.00 (63.70 to 64.70): BM018466.D (-713) (-)





#9

Benzaldehyde

Concen: 14.506 ng

RT: 6.90 min Scan# 649

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

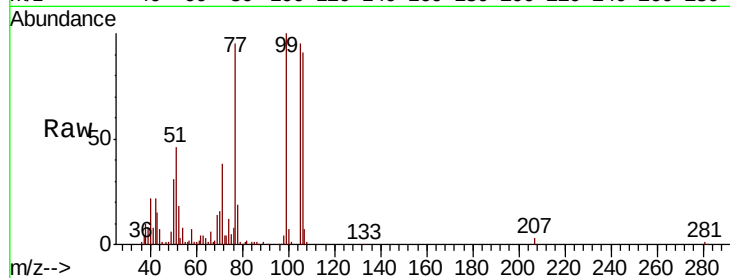
Tgt Ion: 77 Resp: 155660

Ion Ratio Lower Upper

77 100

105 100.2 79.7 119.7

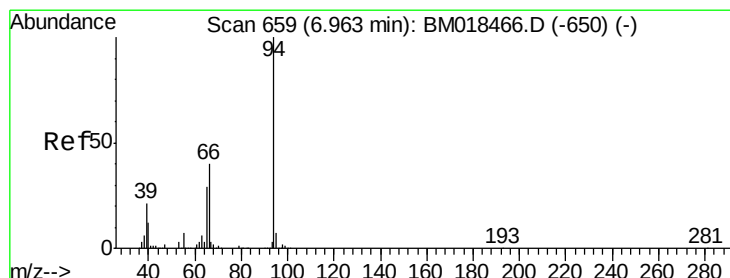
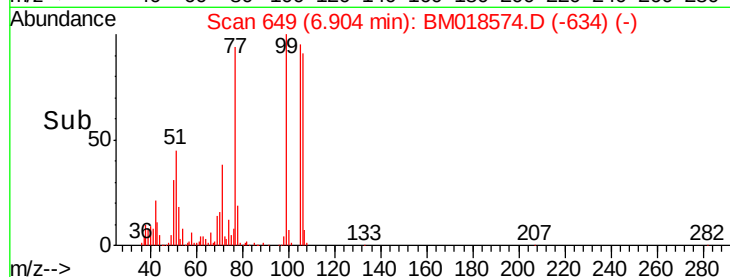
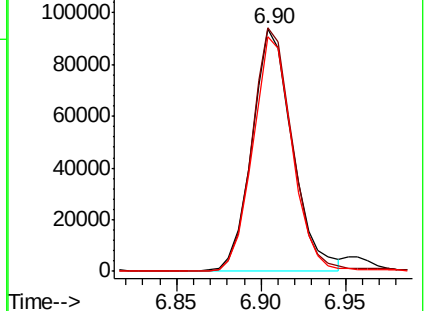
106 96.6 75.2 115.2



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: 43.419 ng

RT: 6.96 min Scan# 658

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

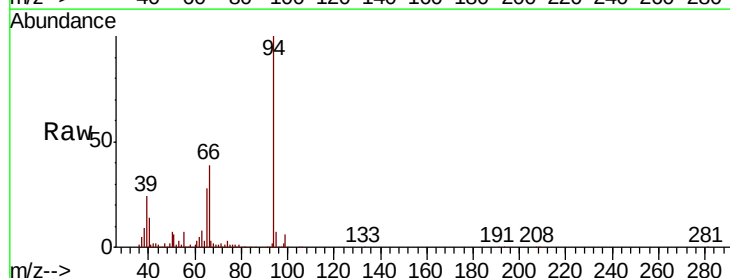
Tgt Ion: 94 Resp: 692011

Ion Ratio Lower Upper

94 100

65 28.2 9.4 49.4

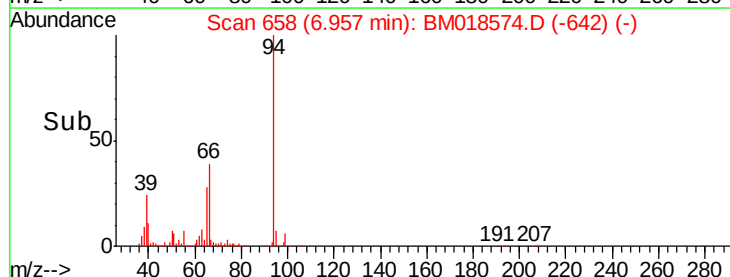
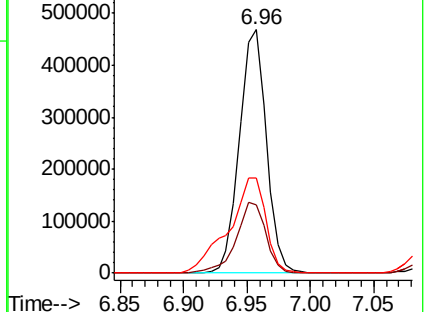
66 39.3 19.1 59.1

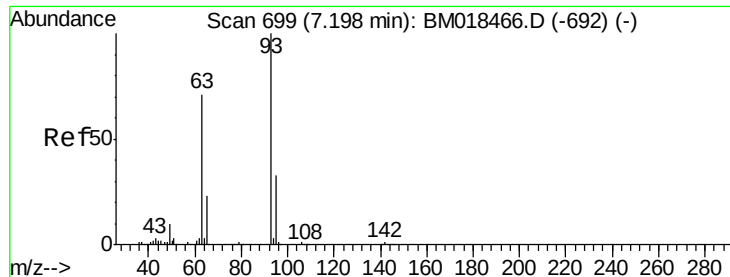


Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

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

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

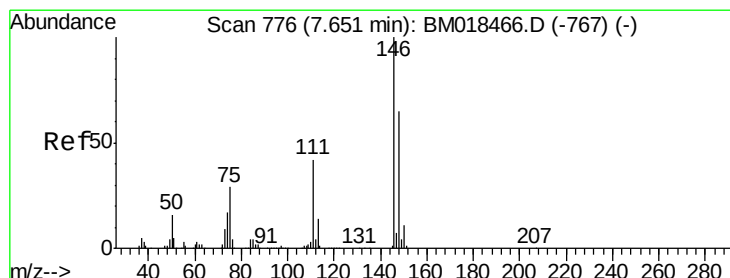
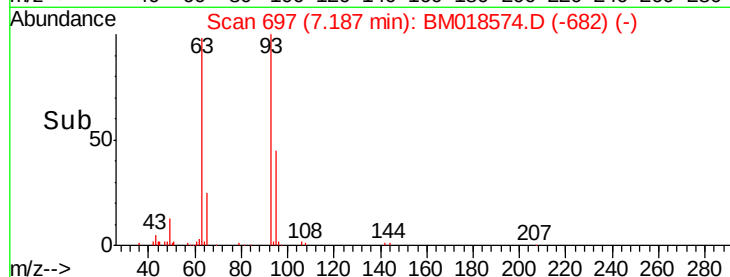
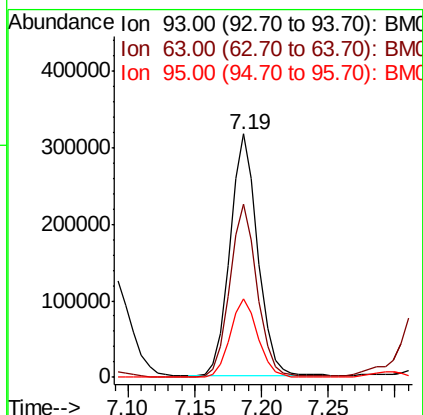
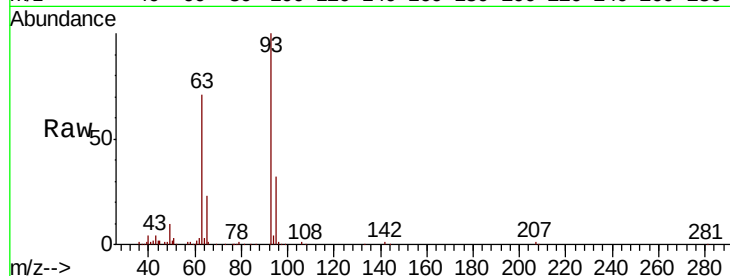




#11
bis(2-Chloroethyl)ether
Concen: 36.579 ng
RT: 7.19 min Scan# 697
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

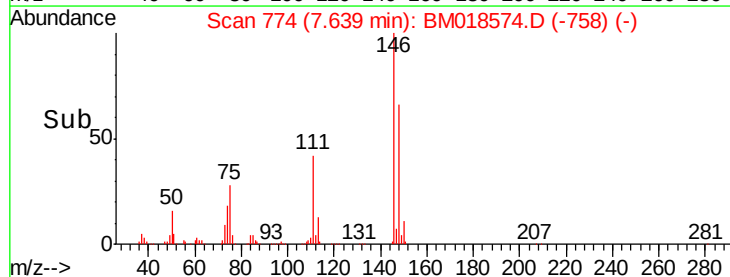
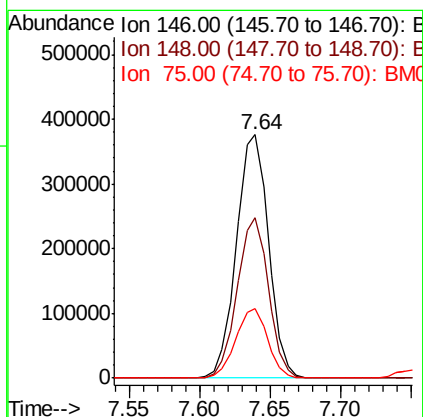
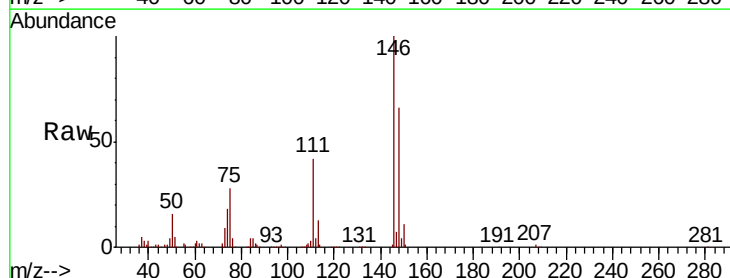
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

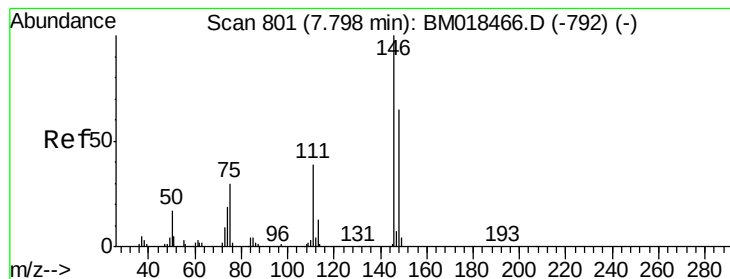
Tgt Ion:	93	Resp:	458090
Ion	Ratio	Lower	Upper
93	100		
63	71.0	56.4	96.4
95	32.1	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 34.807 ng
RT: 7.64 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:	146	Resp:	597839
Ion	Ratio	Lower	Upper
146	100		
148	65.8	50.5	75.7
75	28.5	23.0	34.6





#13

1,4-Dichlorobenzene

Concen: 35.230 ng

RT: 7.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

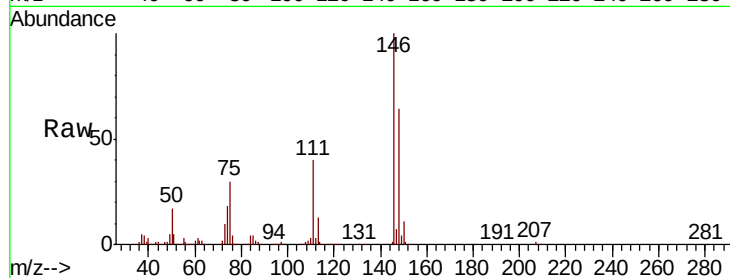
Tgt Ion:146 Resp: 613310

Ion Ratio Lower Upper

146 100

148 64.4 50.8 76.2

111 39.8 32.2 48.2

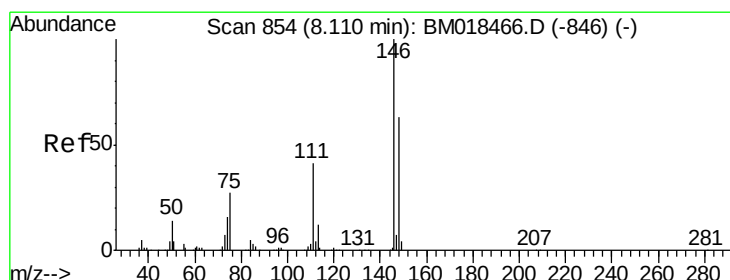
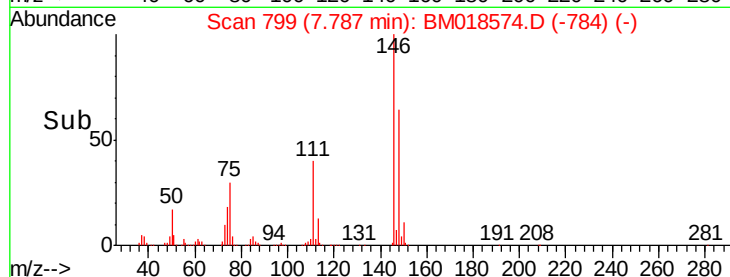
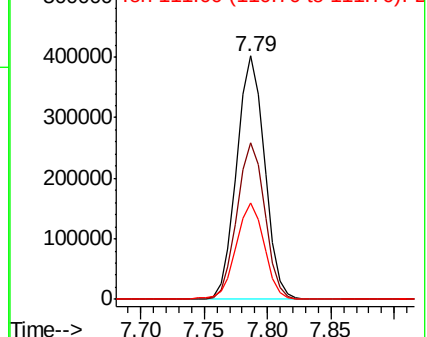


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 35.770 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

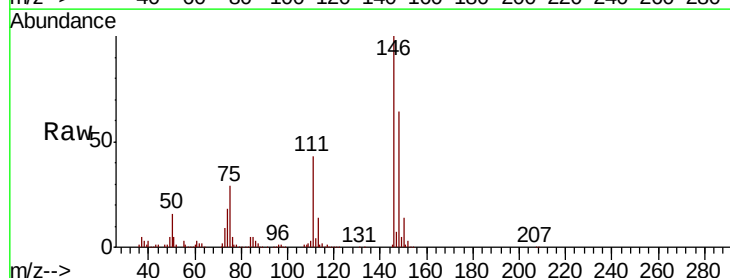
Tgt Ion:146 Resp: 590468

Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 42.9 33.8 50.6

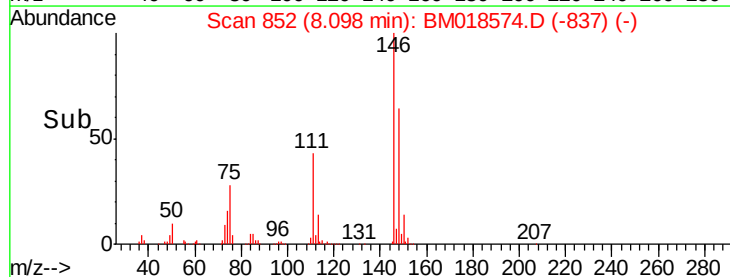
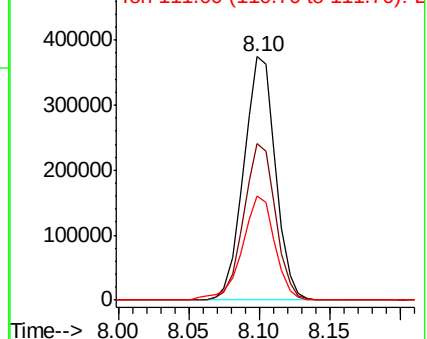


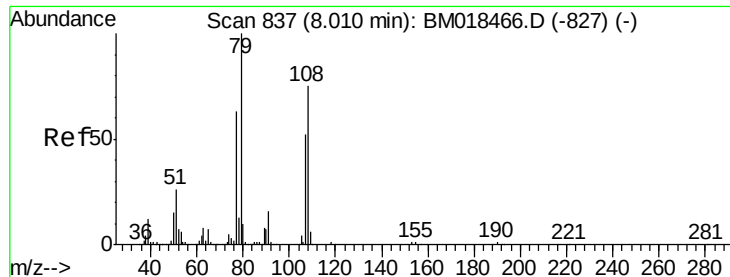
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.870 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

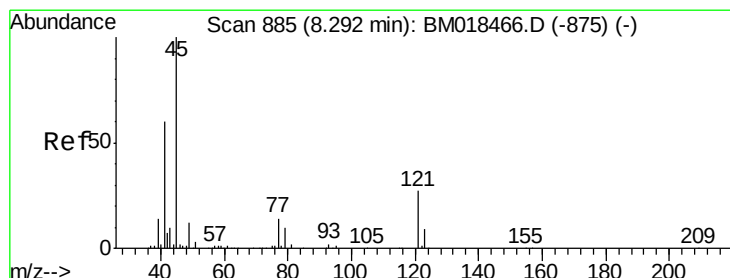
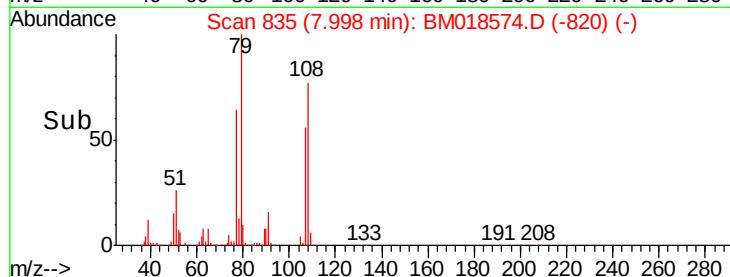
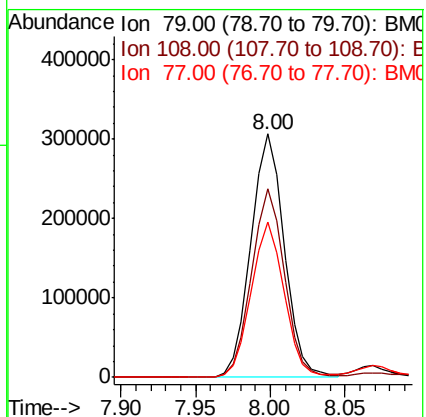
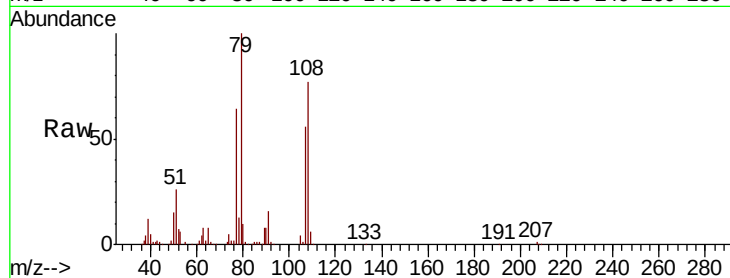
Tgt Ion: 79 Resp: 474314

Ion Ratio Lower Upper

79 100

108 77.5 60.4 90.6

77 64.0 53.4 80.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.258 ng

RT: 8.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

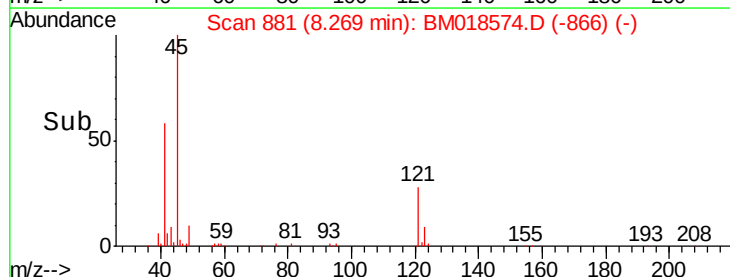
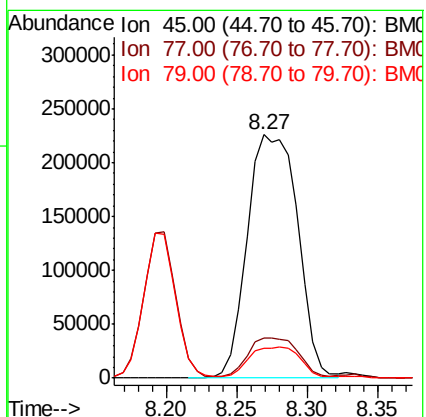
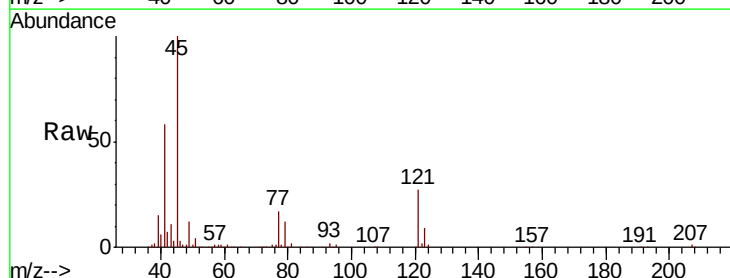
Tgt Ion: 45 Resp: 564285

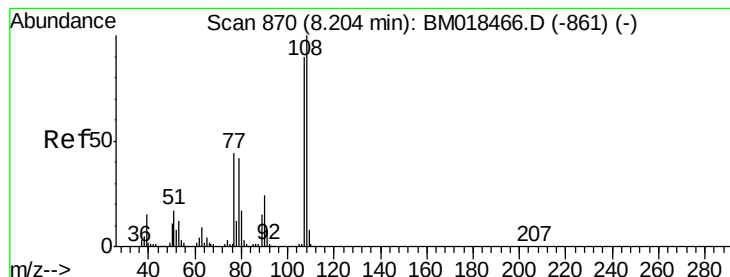
Ion Ratio Lower Upper

45 100

77 16.5 0.0 33.4

79 12.1 0.0 31.1

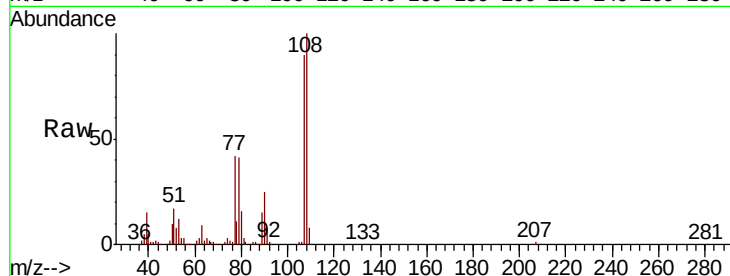




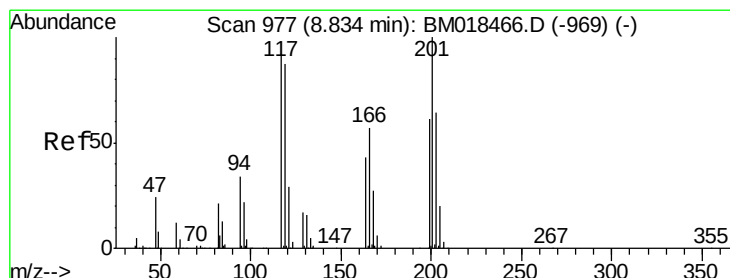
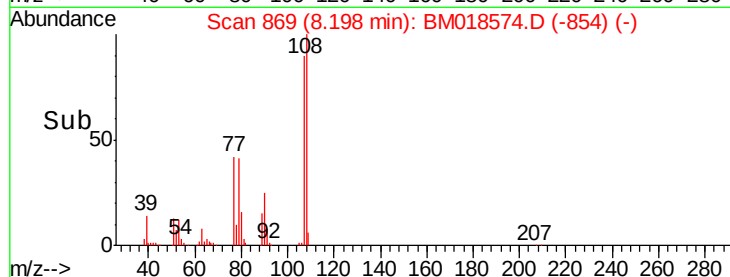
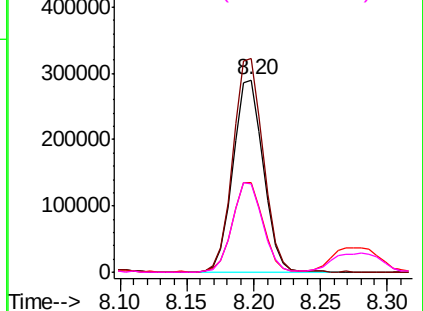
#17
2-Methylphenol
Concen: 42.535 ng
RT: 8.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:	107	Resp:	460170
Ion	Ratio	Lower	Upper
107	100		
108	111.1	87.5	131.3
77	46.8	37.3	55.9
79	46.1	36.4	54.6

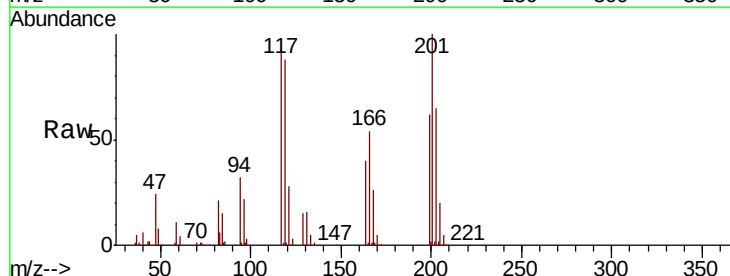


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

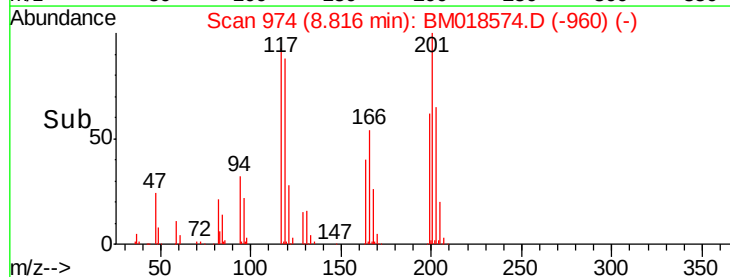
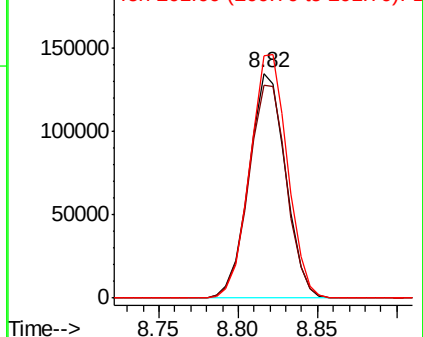


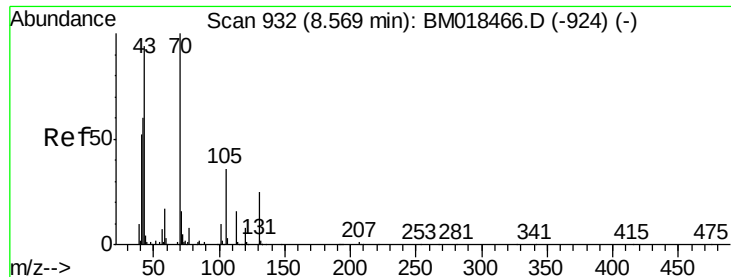
#18
Hexachloroethane
Concen: 35.142 ng
RT: 8.82 min Scan# 974
Delta R.T. -0.02 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:	117	Resp:	218131
Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.3	117.5
201	108.0	81.4	122.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

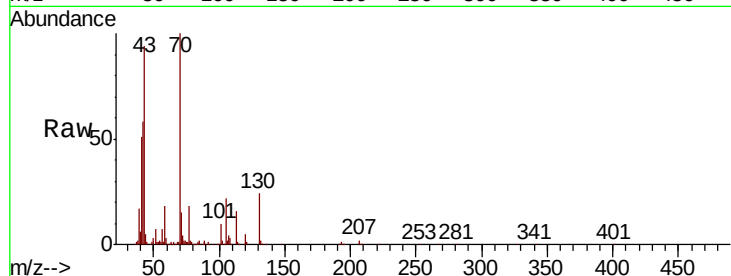




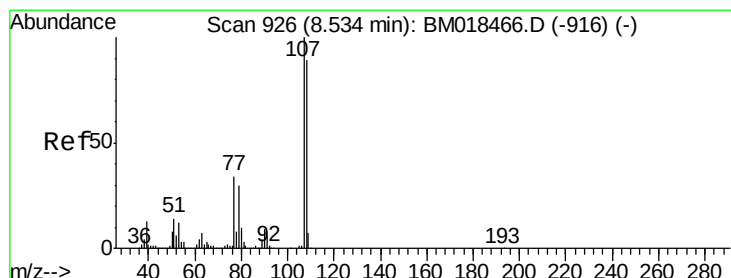
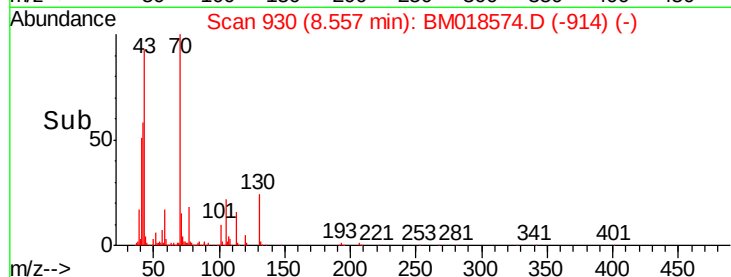
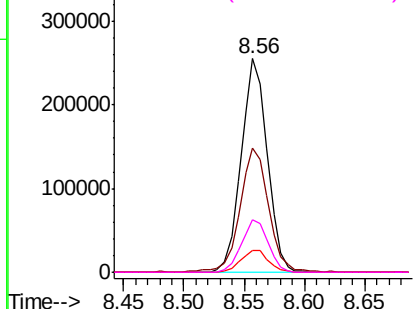
#19
n-Nitroso-di-n-propylamine
Concen: 37.725 ng
RT: 8.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:	70	Resp:	385069
Ion	Ratio	Lower	Upper
70	100		
42	58.2	54.0	81.0
101	10.4	8.1	12.1
130	24.3	17.8	26.6

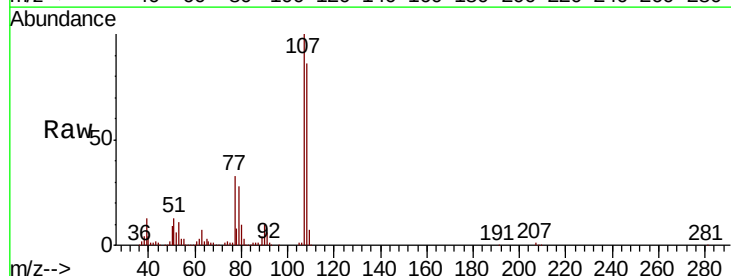


Abundance Ion 70.00 (69.70 to 70.70): BM018466.D (-924) (-)
Ion 42.00 (41.70 to 42.70): BM018466.D (-924) (-)
Ion 101.00 (100.70 to 101.70): BM018466.D (-924) (-)
Ion 130.00 (129.70 to 130.70): BM018466.D (-924) (-)

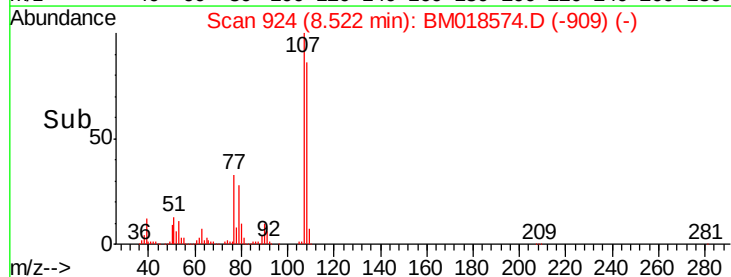
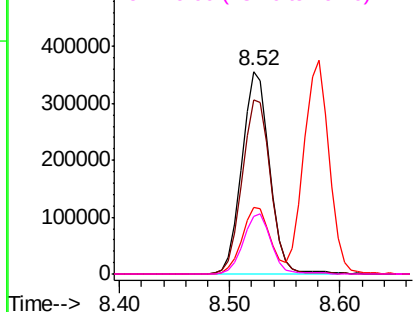


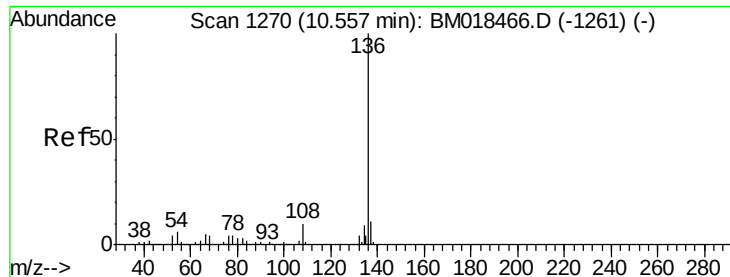
#20
3+4-Methylphenols
Concen: 42.248 ng
RT: 8.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:	107	Resp:	630974
Ion	Ratio	Lower	Upper
107	100		
108	85.7	66.8	106.8
77	33.1	13.3	53.3
79	28.3	8.8	48.8



Abundance Ion 107.00 (106.70 to 107.70): BM018466.D (-916) (-)
Ion 108.00 (107.70 to 108.70): BM018466.D (-916) (-)
Ion 77.00 (76.70 to 77.70): BM018466.D (-916) (-)
Ion 79.00 (78.70 to 79.70): BM018466.D (-916) (-)

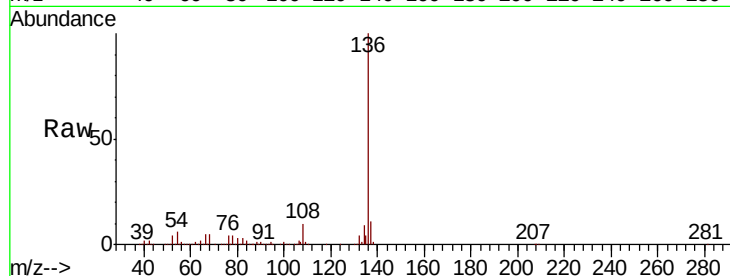




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:	136	Resp:	956460
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.1	6.0	9.0
68	4.6	4.5	6.7



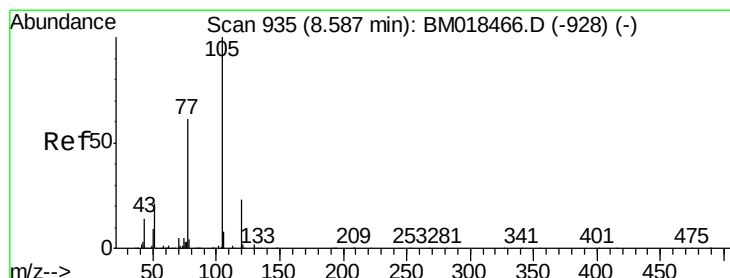
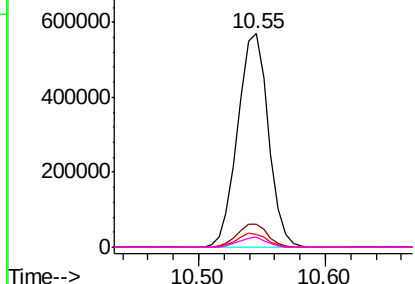
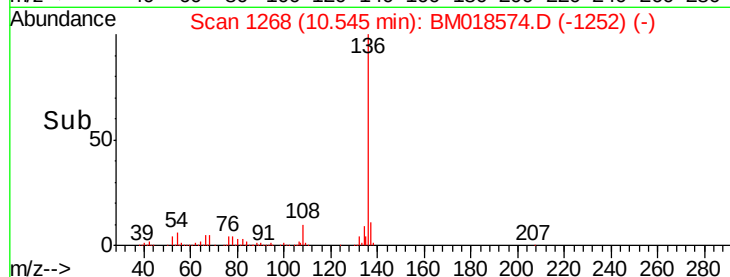
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

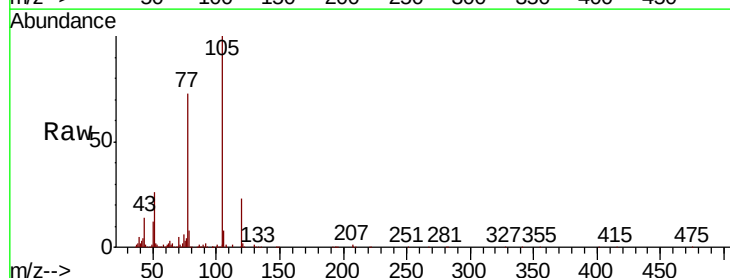
Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22
Acetophenone
Concen: 33.350 ng
RT: 8.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:	105	Resp:	789066
Ion	Ratio	Lower	Upper
105	100		
71	0.7	1.7	2.5#
51	26.0	22.6	34.0
120	22.7	18.3	27.5



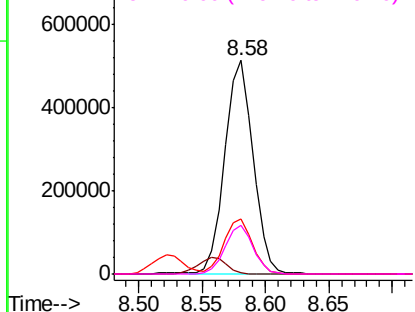
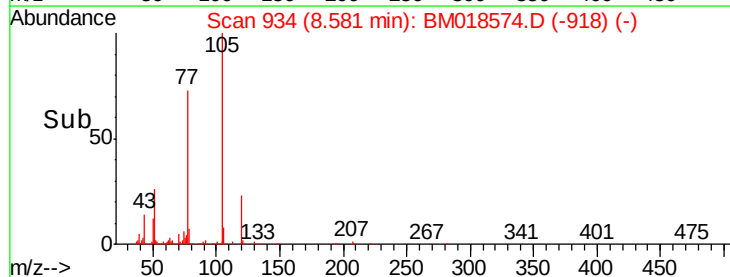
Abundance

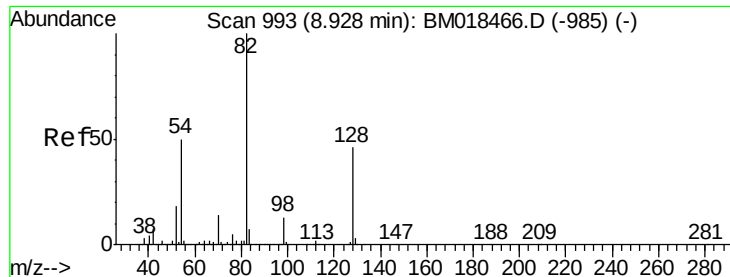
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 72.521 ng

RT: 8.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

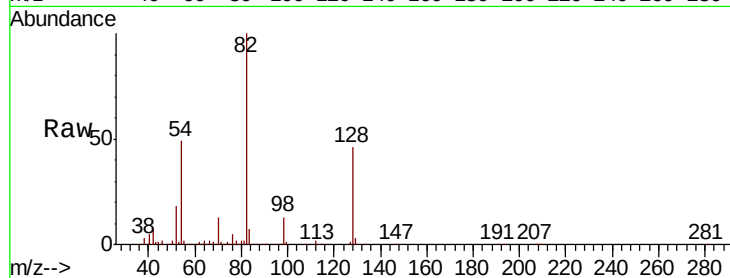
Tgt Ion: 82 Resp: 1196526

Ion Ratio Lower Upper

82 100

128 45.6 36.3 54.5

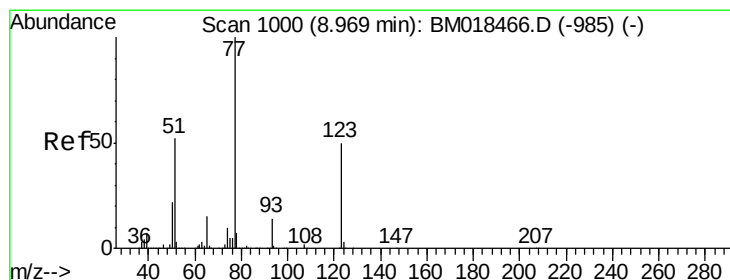
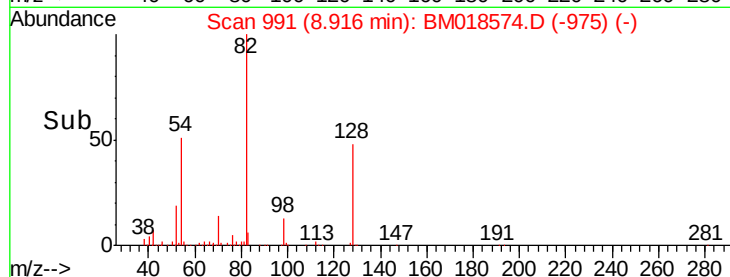
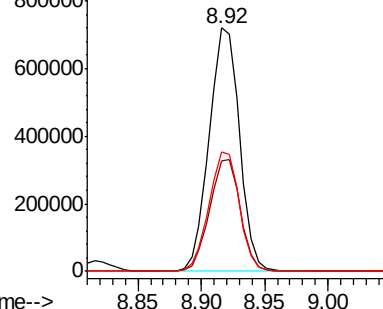
54 49.3 41.7 62.5



Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-985) (-)

Ion 128.00 (127.70 to 128.70): BM018466.D (-985) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-985) (-)



#24

Nitrobenzene

Concen: 35.482 ng

RT: 8.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

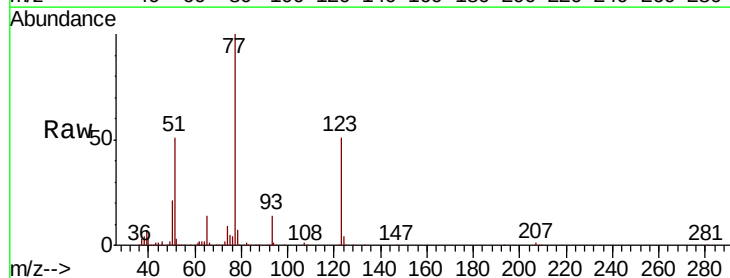
Tgt Ion: 77 Resp: 576014

Ion Ratio Lower Upper

77 100

123 50.6 37.7 56.5

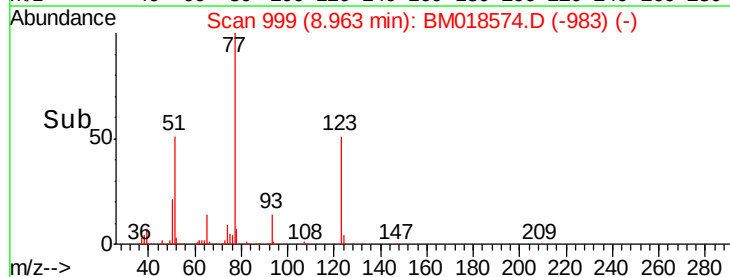
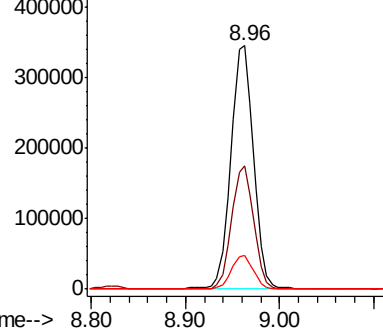
65 13.9 11.0 16.6

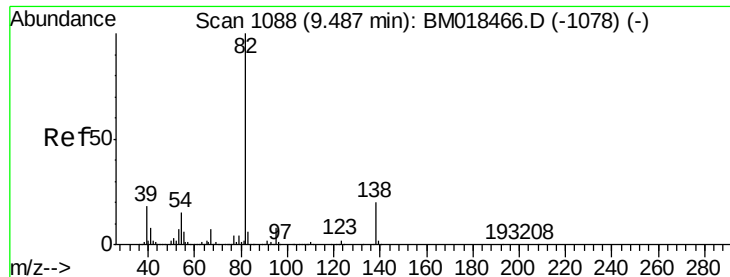


Abundance Ion 77.00 (76.70 to 77.70): BM018466.D (-985) (-)

Ion 123.00 (122.70 to 123.70): BM018466.D (-985) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-985) (-)





#25

Isophorone

Concen: 41.981 ng

RT: 9.48 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

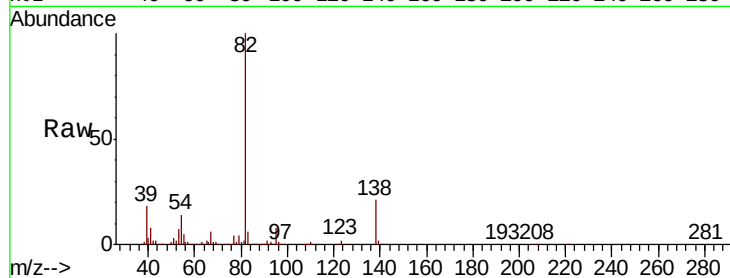
Tgt Ion: 82 Resp: 1048860

Ion Ratio Lower Upper

82 100

95 7.8 6.1 9.1

138 20.5 15.1 22.7

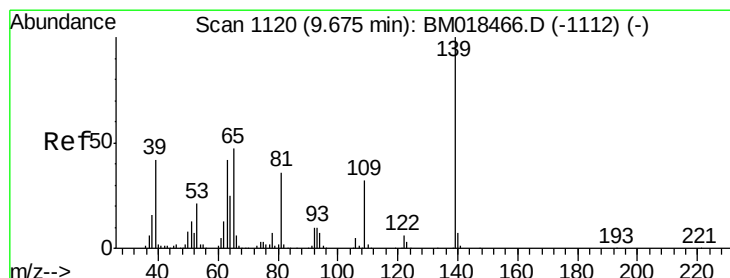
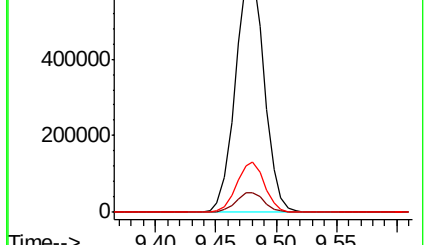
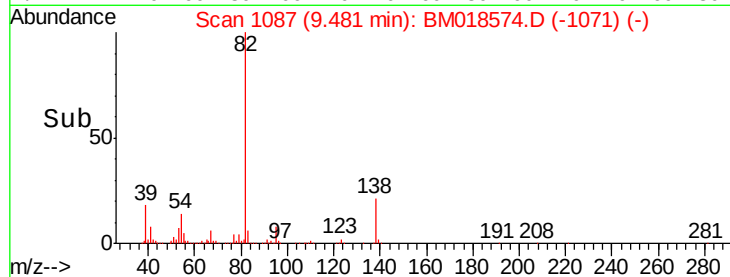


Abundance Ion 82.00 (81.70 to 82.70): BM018466.D (-1078) (-)

Ion 95.00 (94.70 to 95.70): BM018466.D (-1078) (-)

Ion 138.00 (137.70 to 138.70): BM018466.D (-1078) (-)

Time-->



#26

2-Nitrophenol

Concen: 40.511 ng

RT: 9.66 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

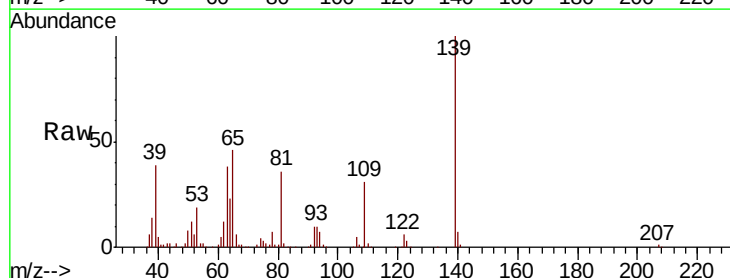
Tgt Ion: 139 Resp: 317996

Ion Ratio Lower Upper

139 100

109 30.9 23.4 35.2

65 46.0 39.4 59.2

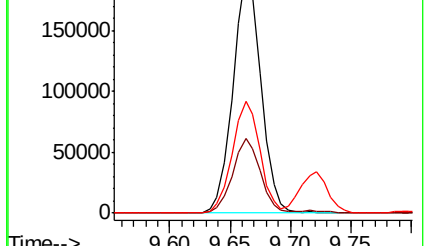
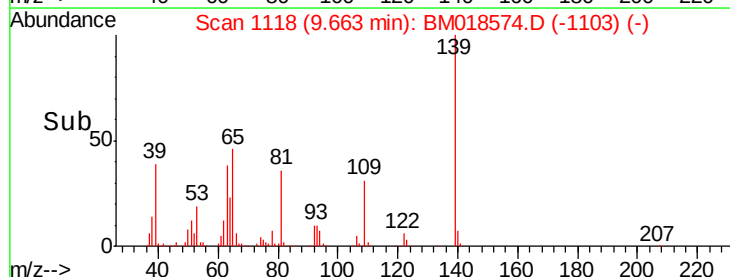


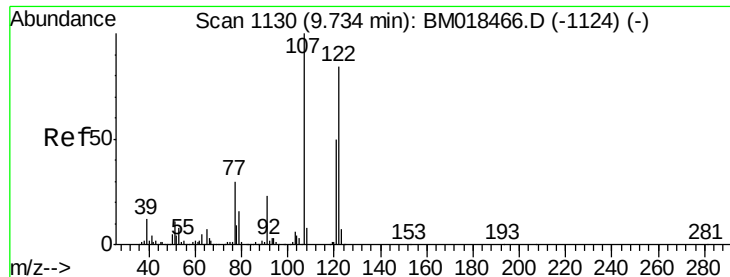
Abundance Ion 139.00 (138.70 to 139.70): BM018466.D (-1112) (-)

Ion 109.00 (108.70 to 109.70): BM018466.D (-1112) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-1112) (-)

Time-->

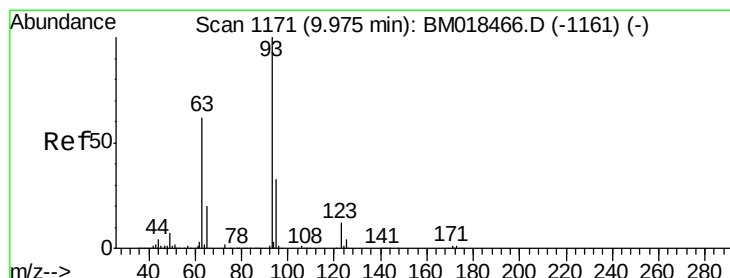
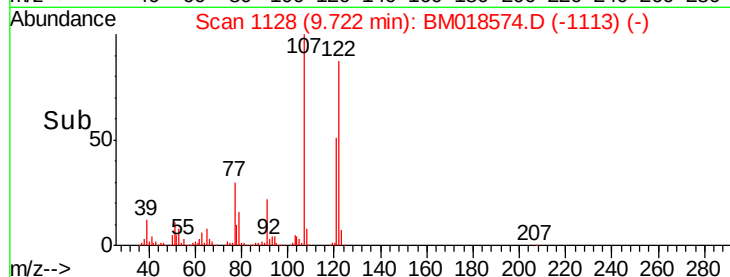
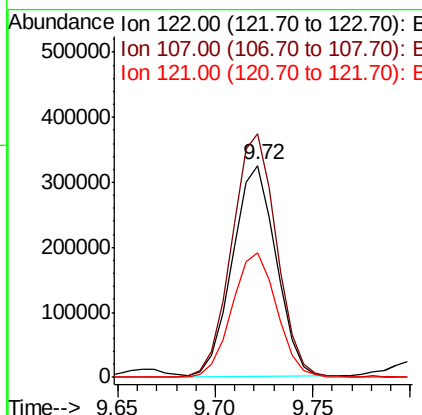
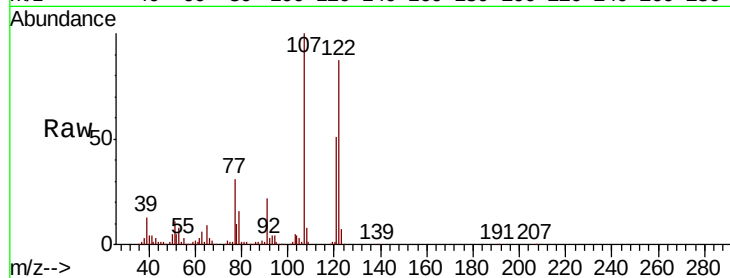




#27
 2,4-Dimethylphenol
 Concen: 42.692 ng
 RT: 9.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

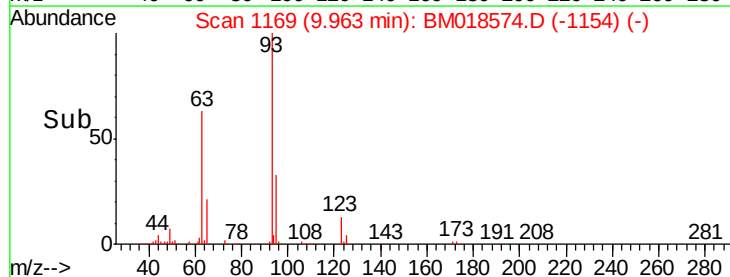
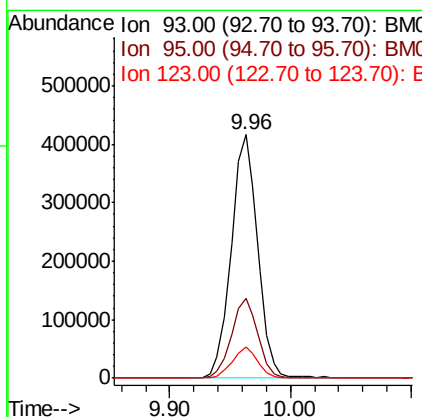
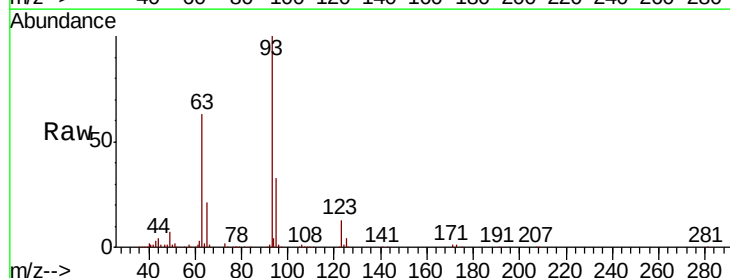
Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

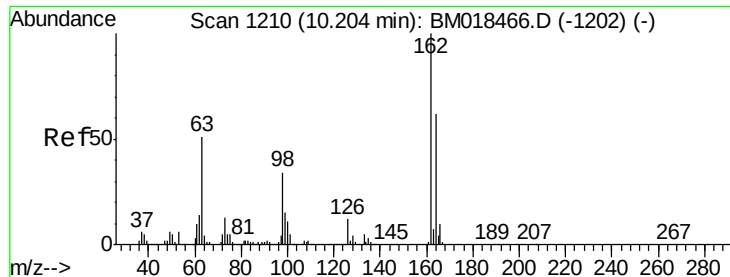
Tgt Ion	Ratio	Lower	Upper
122	100		
107	115.0	91.9	137.9
121	58.7	47.5	71.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.831 ng
 RT: 9.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	39.8
123	12.9	9.9	14.9

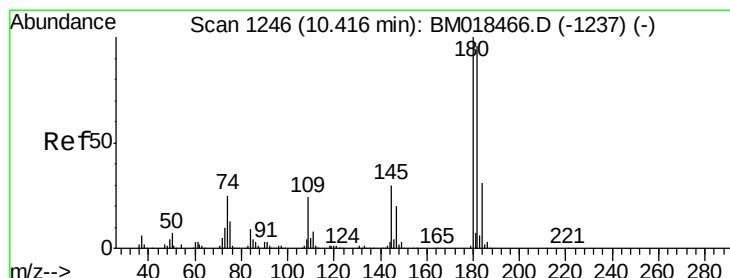
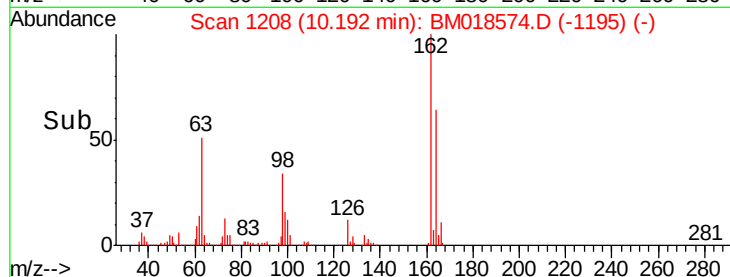
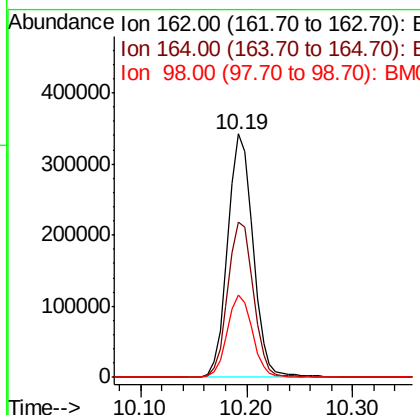
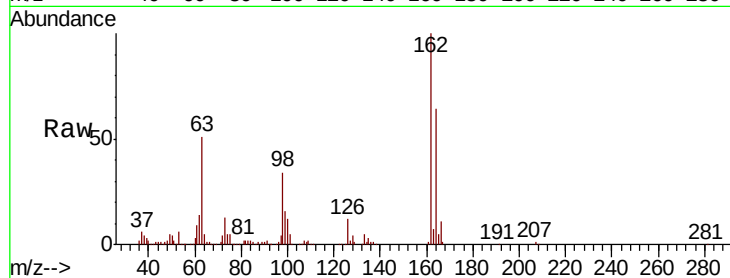




#29
2,4-Dichlorophenol
Concen: 40.590 ng
RT: 10.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

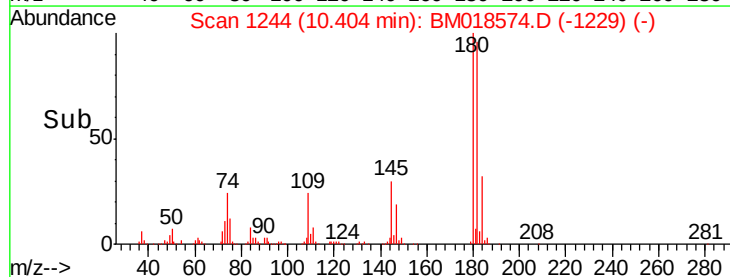
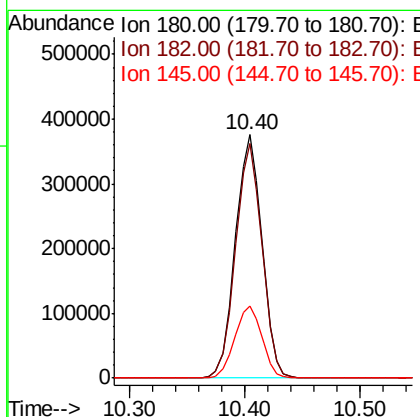
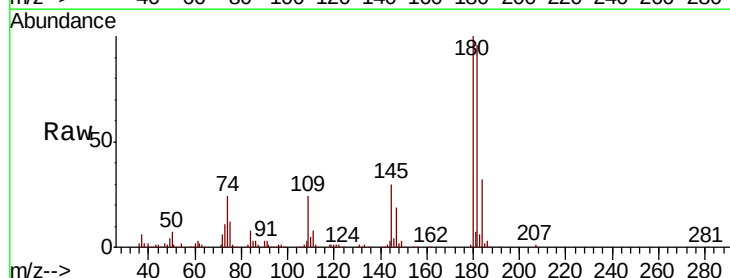
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

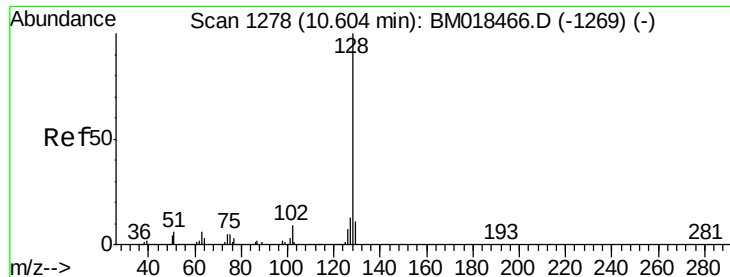
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	568669		
164	63.8	45.6	85.6	
98	33.7	14.7	54.7	



#30
1,2,4-Trichlorobenzene
Concen: 34.363 ng
RT: 10.40 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	597556		
182	96.4	77.4	116.2	
145	29.7	24.6	37.0	

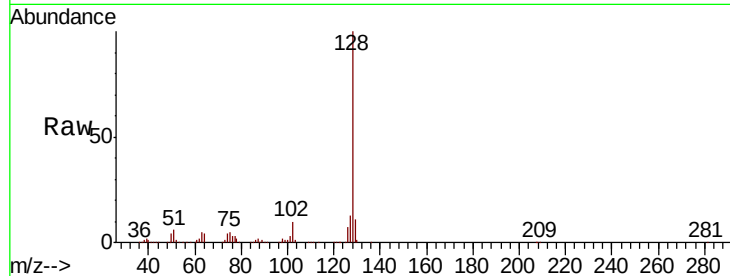




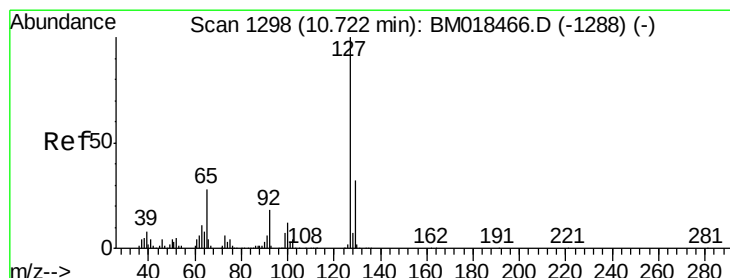
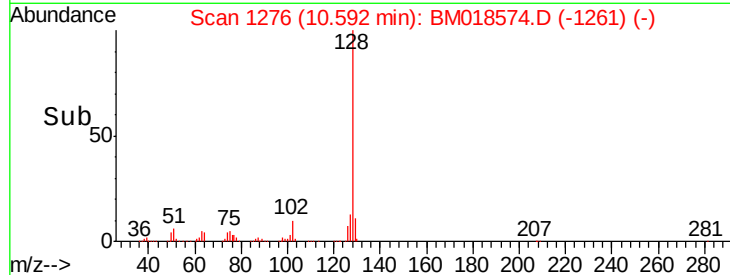
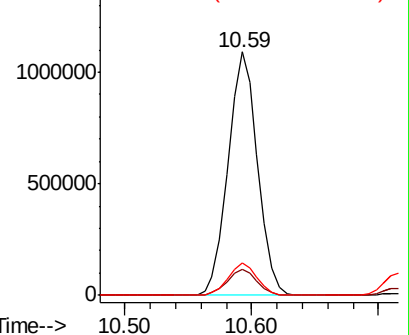
#31
Naphthalene
Concen: 37.948 ng
RT: 10.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:128 Resp: 1747989
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.5 10.8 16.2

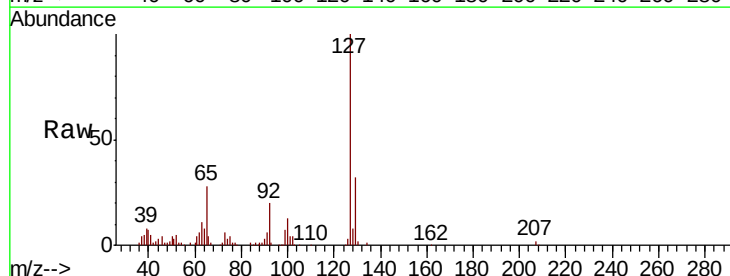


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

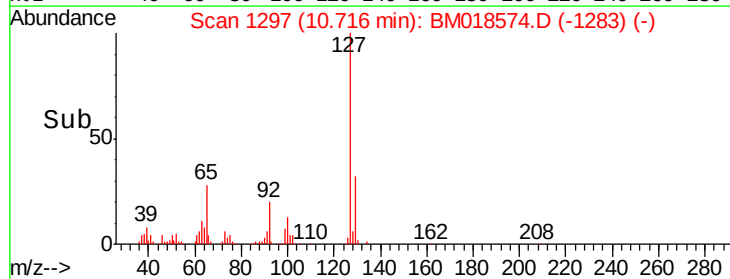
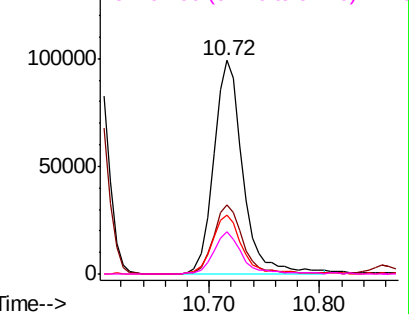


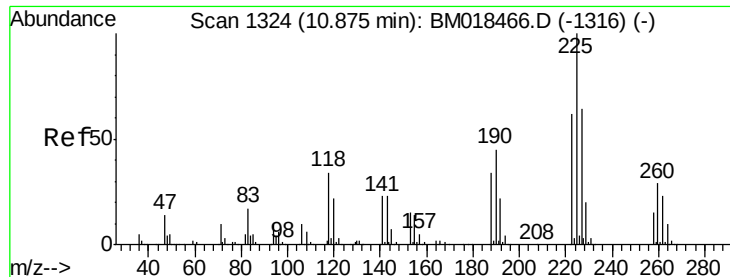
#33
4-Chloroaniline
Concen: 10.111 ng
RT: 10.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:127 Resp: 183419
Ion Ratio Lower Upper
127 100
129 32.4 25.9 38.9
65 27.6 23.4 35.2
92 19.5 14.5 21.7



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

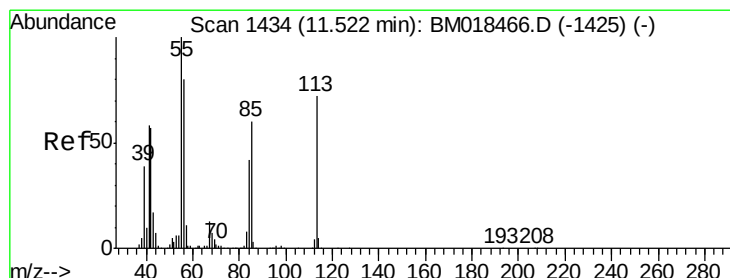
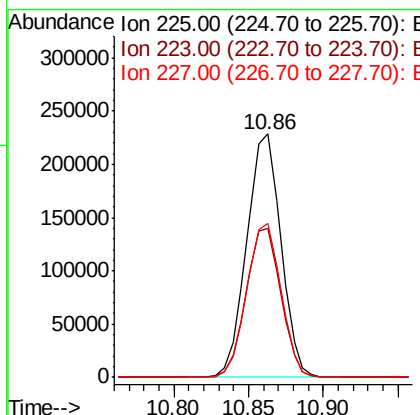
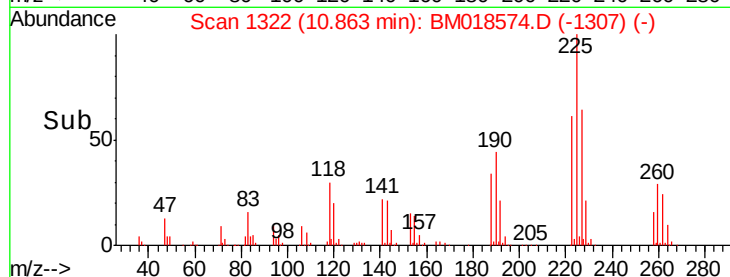
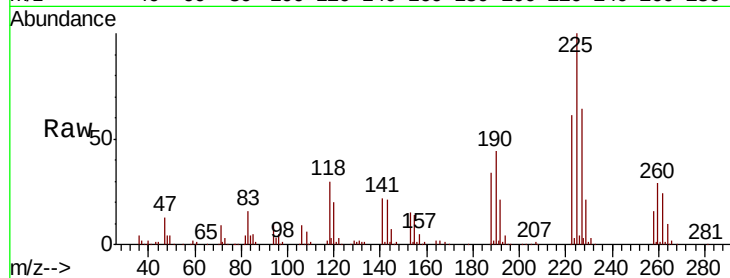




#34
Hexachlorobutadiene
Concen: 32.922 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

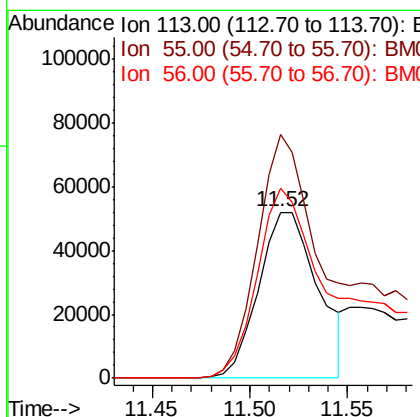
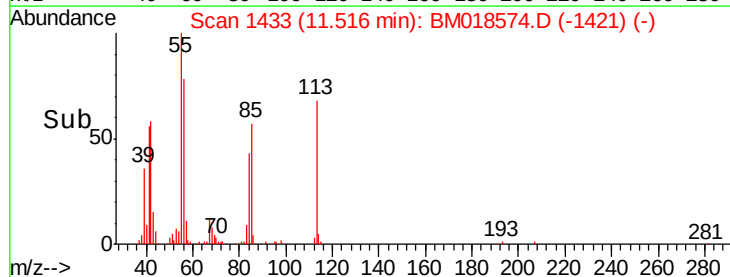
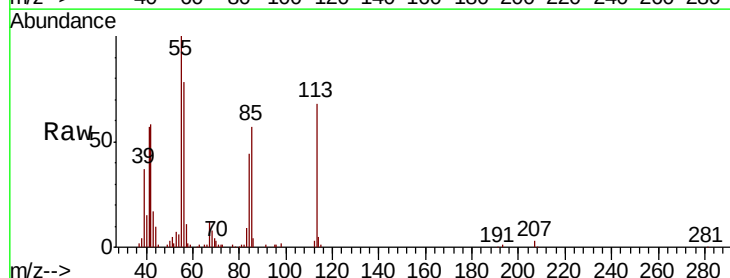
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

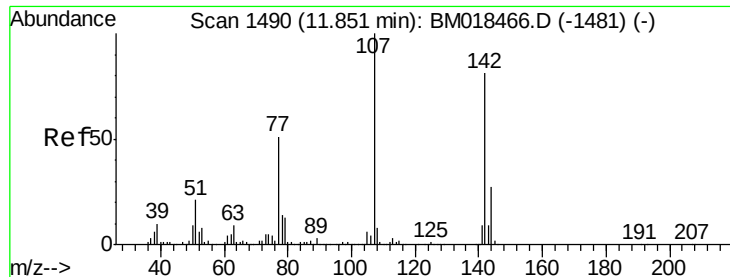
Tgt Ion: 225 Resp: 361679
Ion Ratio Lower Upper
225 100
223 61.3 50.8 76.2
227 63.5 50.4 75.6



#35
Caprolactam
Concen: 22.994 ng
RT: 11.52 min Scan# 1433
Delta R.T. -0.03 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion: 113 Resp: 109525
Ion Ratio Lower Upper
113 100
55 147.0 139.3 179.3
56 114.5 101.4 141.4

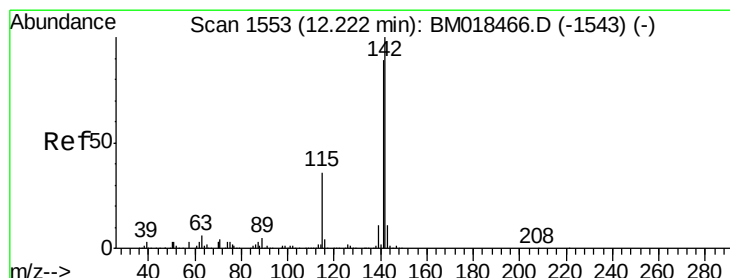
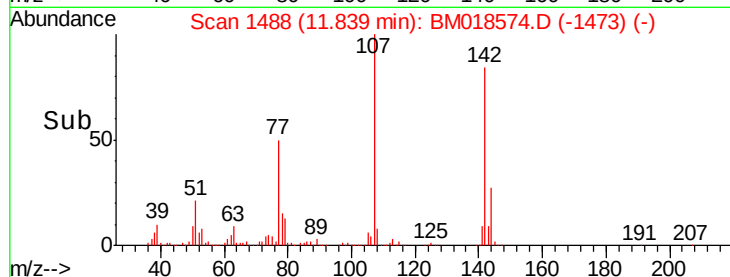
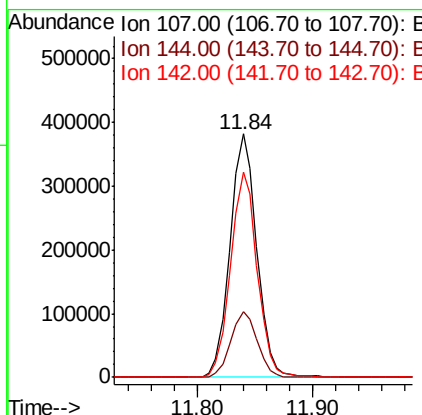
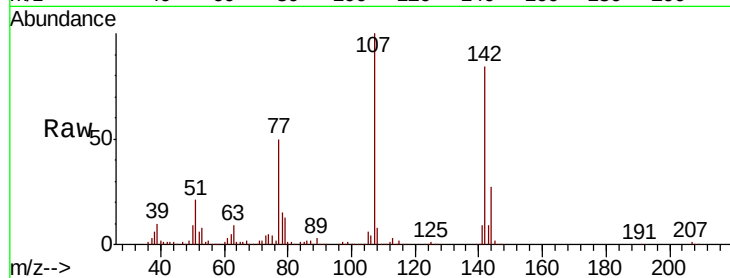




#36
 4-Chloro-3-methylphenol
 Concen: 41.652 ng
 RT: 11.84 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

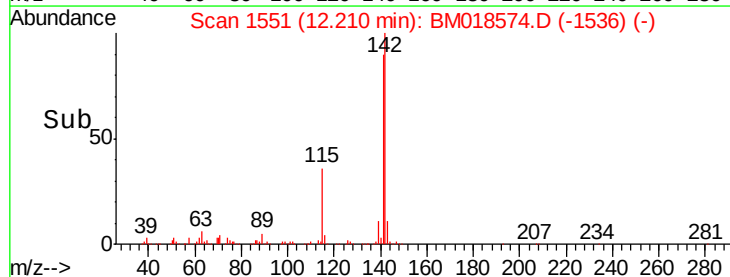
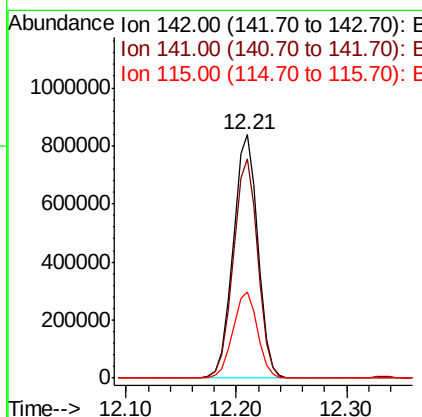
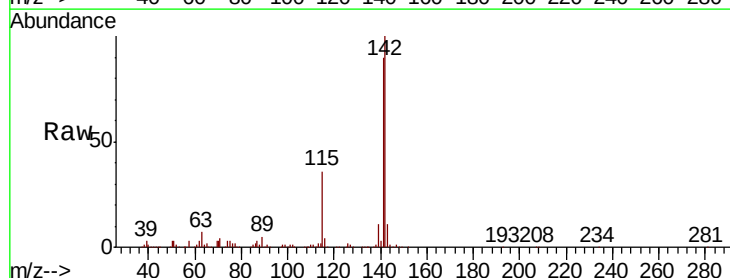
Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

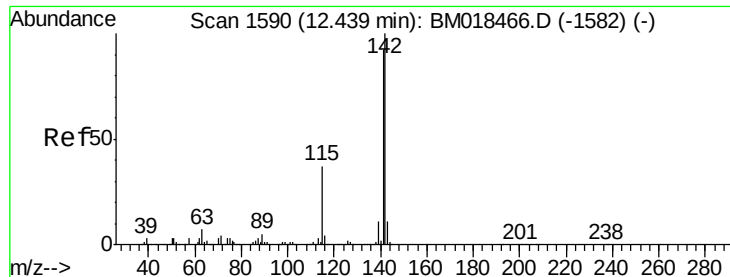
Tgt Ion:107 Resp: 612217
 Ion Ratio Lower Upper
 107 100
 144 26.9 21.9 32.9
 142 84.3 67.9 101.9



#37
 2-Methylnaphthalene
 Concen: 40.378 ng
 RT: 12.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion:142 Resp: 1314110
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.4 107.2
 115 35.5 28.0 42.0





#38

1-Methylnaphthalene

Concen: 39.705 ng

RT: 12.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

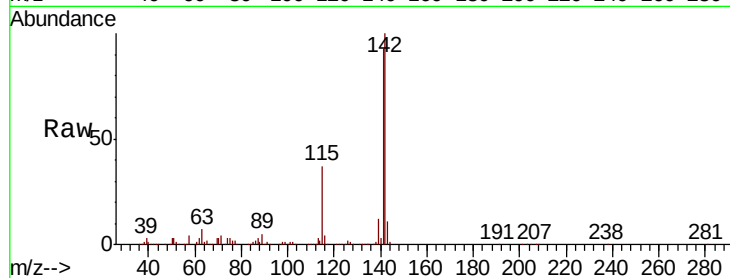
Tgt Ion:142 Resp: 1250309

Ion Ratio Lower Upper

142 100

141 92.6 75.6 113.4

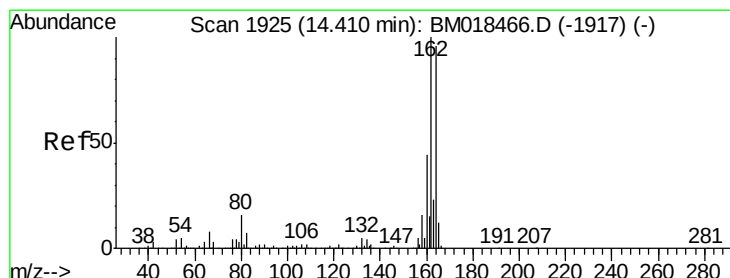
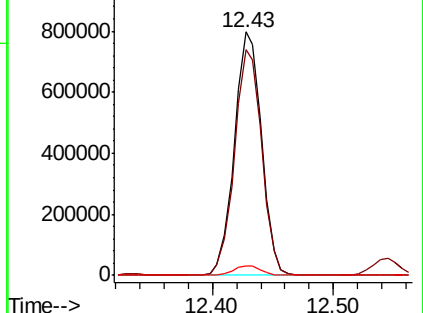
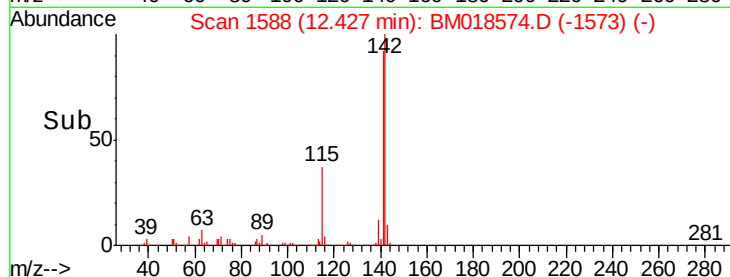
116 3.9 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.40 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

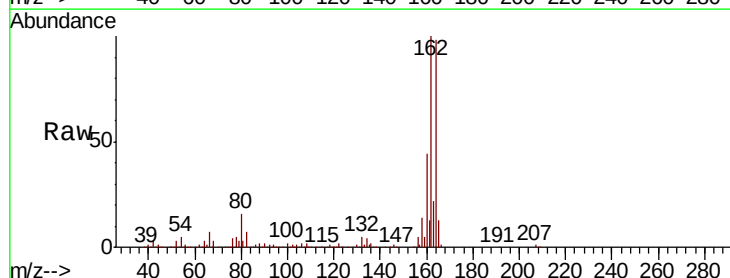
Tgt Ion:164 Resp: 576204

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.4

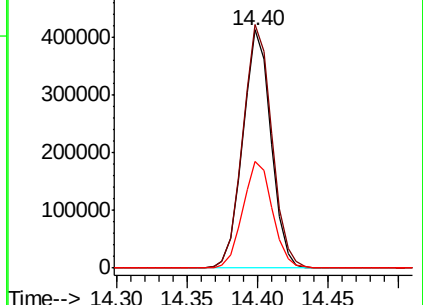
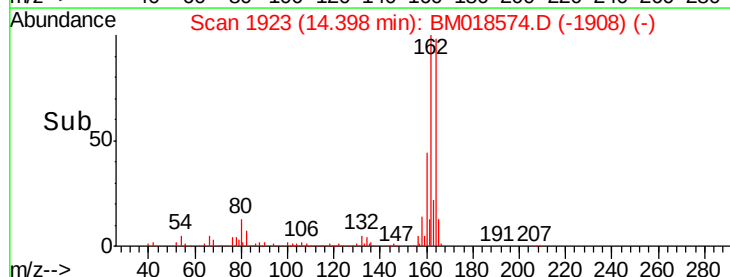
160 45.0 37.1 55.7

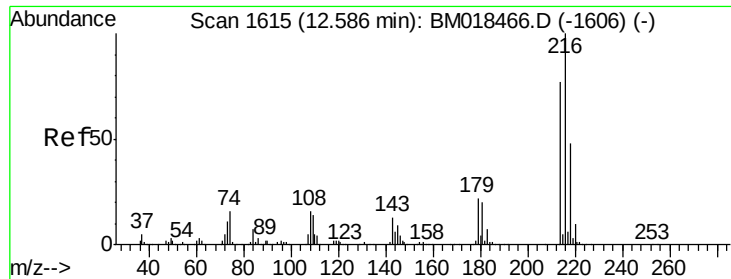


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

1,2,4,5-Tetrachlorobenzene

Concen: 33.751 ng

RT: 12.57 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

Tgt Ion:216 Resp: 680062

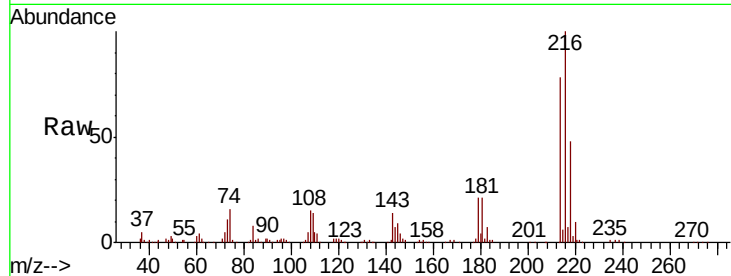
Ion Ratio Lower Upper

216 100

214 78.6 63.4 95.0

179 21.8 17.9 26.9

108 19.1 15.8 23.6

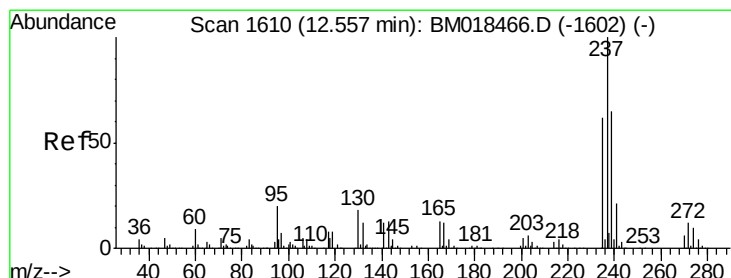
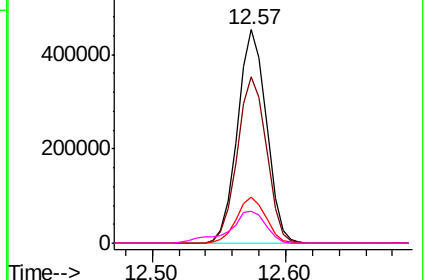
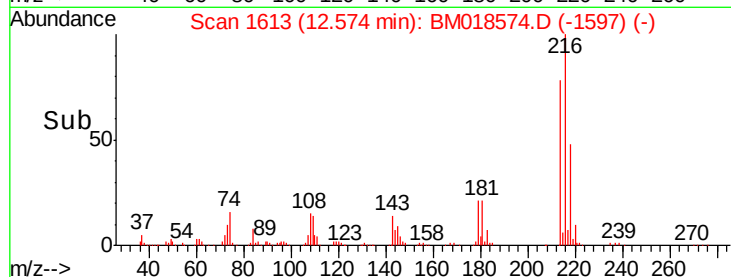


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#41

Hexachlorocyclopentadiene

Concen: 65.147 ng

RT: 12.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

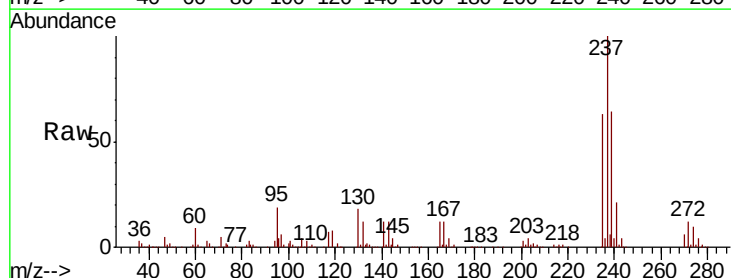
Tgt Ion:237 Resp: 720443

Ion Ratio Lower Upper

237 100

235 62.9 42.8 82.8

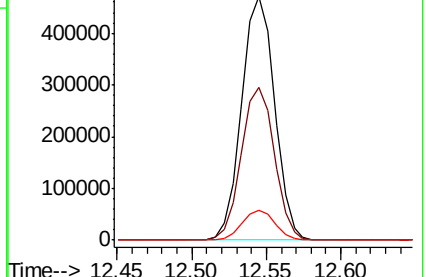
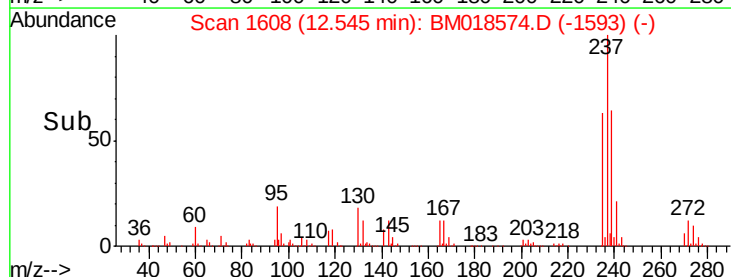
272 12.3 0.0 31.9

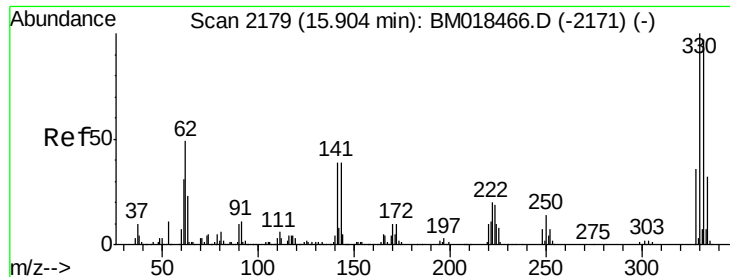


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#42

2,4,6-Tribromophenol

Concen: 124.708 ng

RT: 15.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

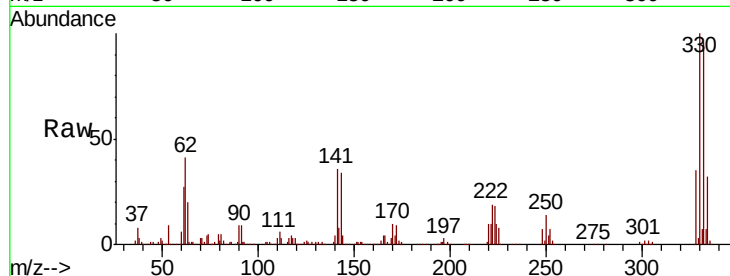
Tgt Ion:330 Resp: 914943

Ion Ratio Lower Upper

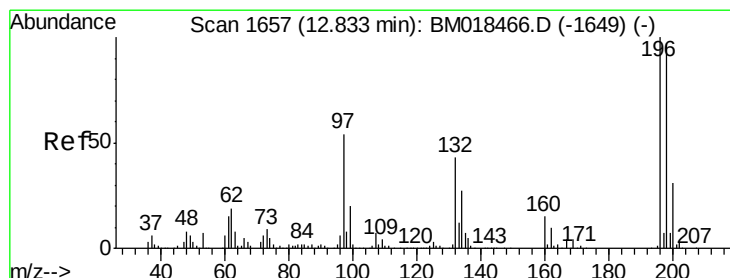
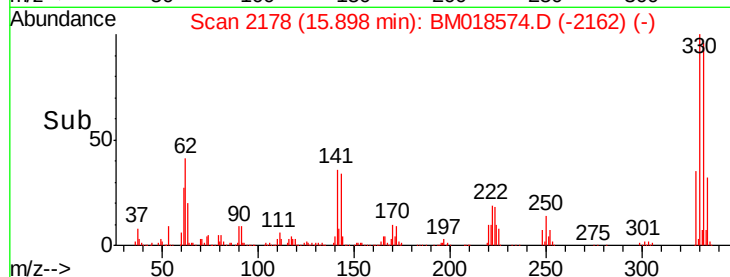
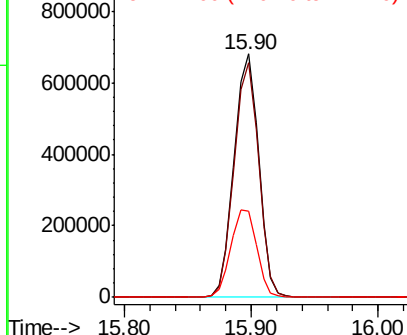
330 100

332 96.5 77.6 116.4

141 38.0 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



#43

2,4,6-Trichlorophenol

Concen: 39.120 ng

RT: 12.82 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

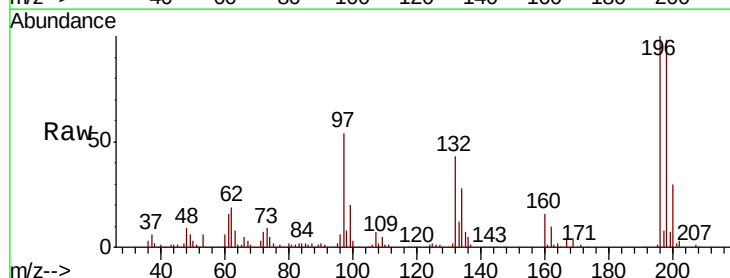
Tgt Ion:196 Resp: 478680

Ion Ratio Lower Upper

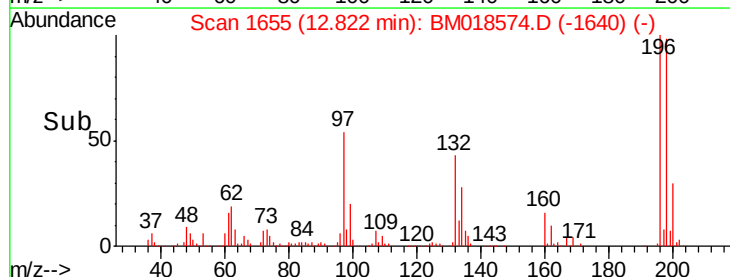
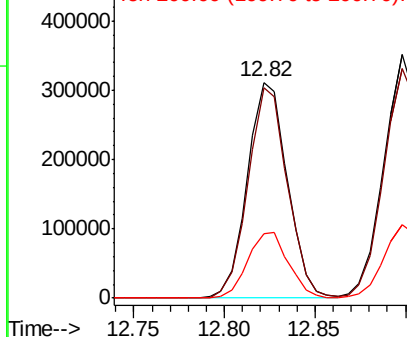
196 100

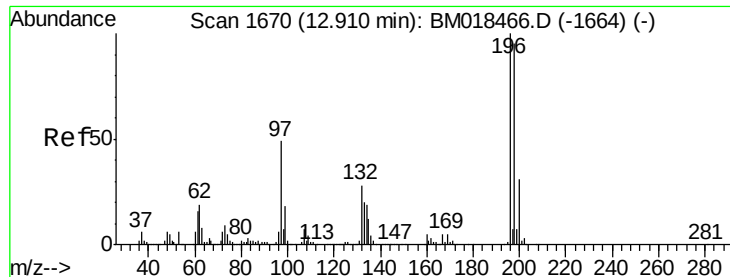
198 97.6 76.6 115.0

200 30.0 24.2 36.4



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

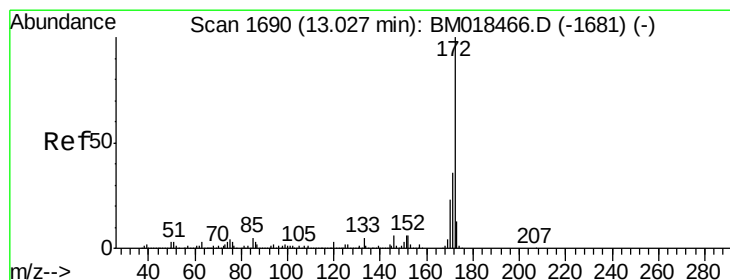
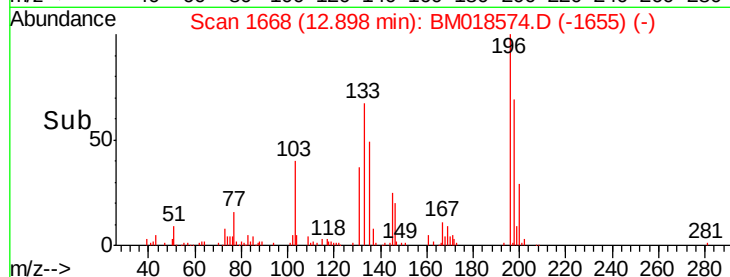
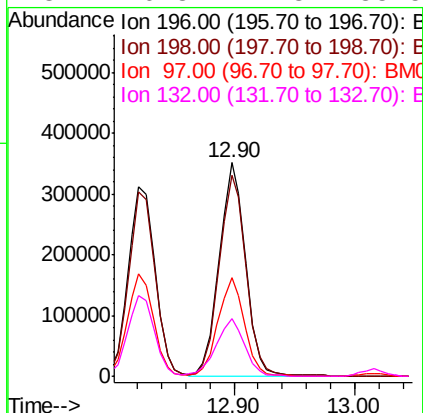
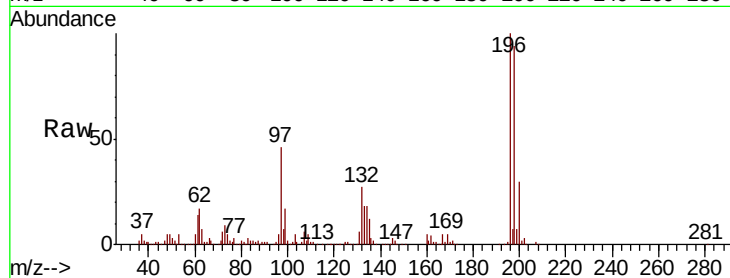




#44
2,4,5-Trichlorophenol
Concen: 40.662 ng
RT: 12.90 min Scan# 1668
Delta R.T. -0.02 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

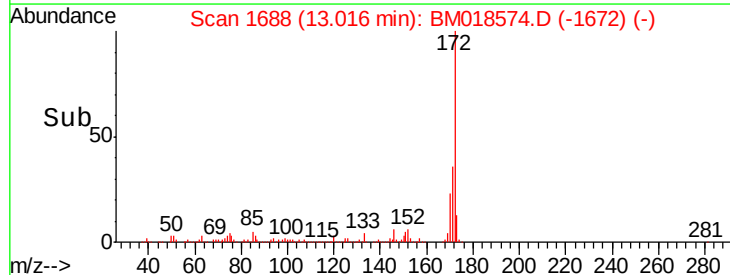
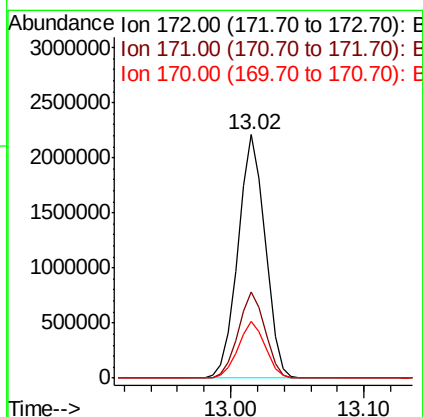
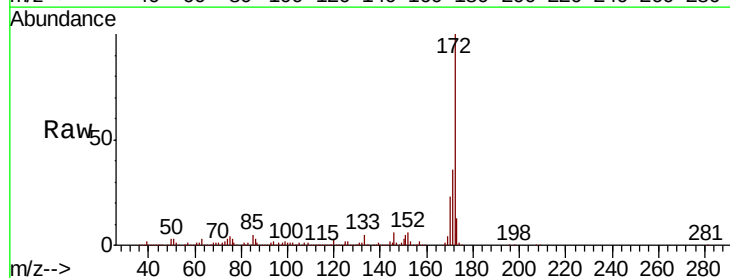
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

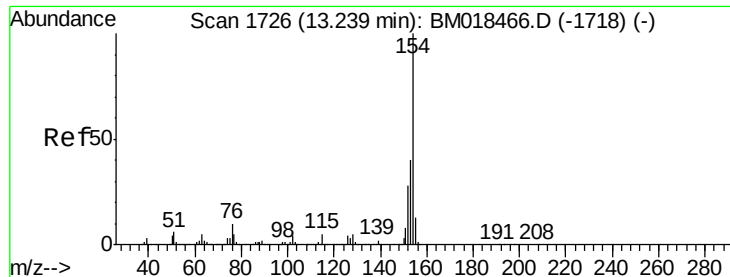
Tgt Ion:196 Resp: 523270
Ion Ratio Lower Upper
196 100
198 94.4 76.7 115.1
97 45.9 39.2 58.8
132 26.8 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 70.415 ng
RT: 13.02 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:172 Resp: 3109394
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.2 18.9 28.3

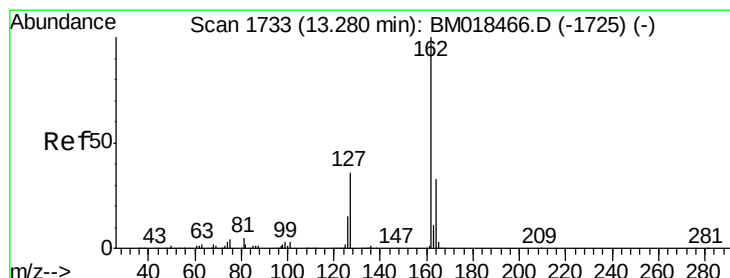
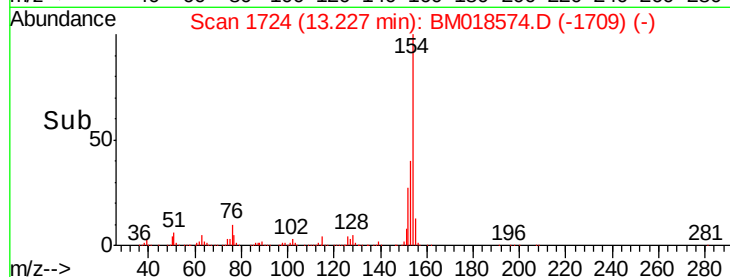
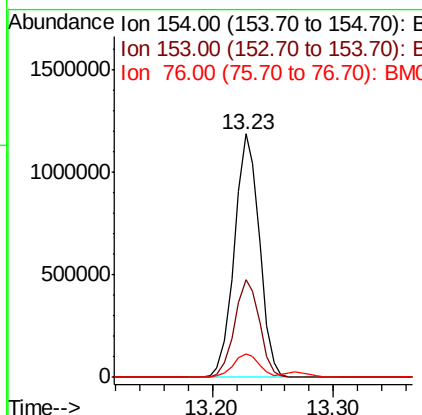
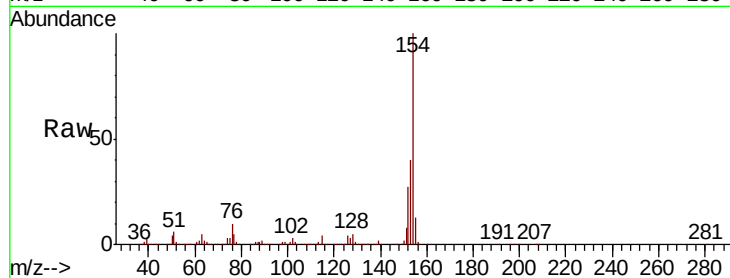




#46
 1,1'-Biphenyl
 Concen: 33.935 ng
 RT: 13.23 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

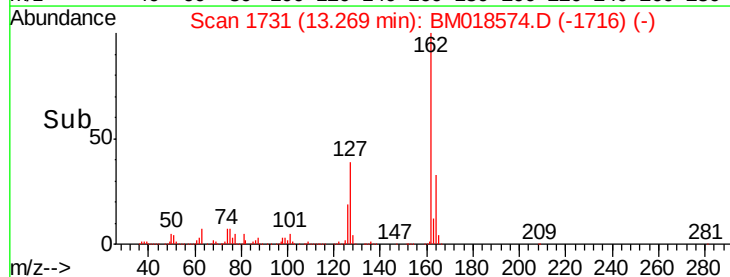
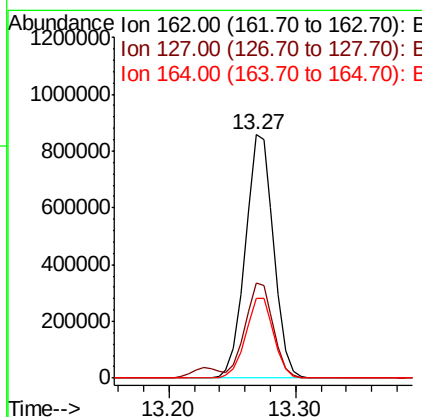
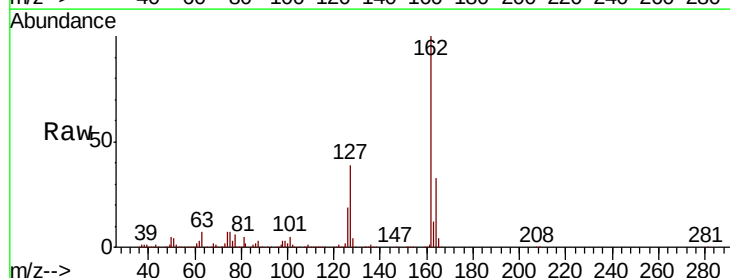
Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

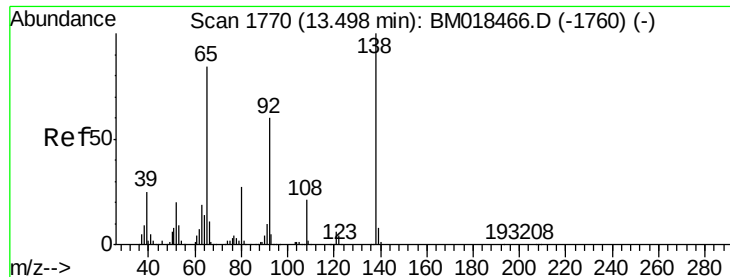
Tgt Ion:154 Resp: 1707320
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.5 60.5
 76 9.8 0.0 31.9



#47
 2-Chloronaphthalene
 Concen: 33.850 ng
 RT: 13.27 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion:162 Resp: 1320640
 Ion Ratio Lower Upper
 162 100
 127 39.1 31.4 47.0
 164 32.8 26.2 39.4





#48

2-Nitroaniline

Concen: 38.802 ng

RT: 13.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

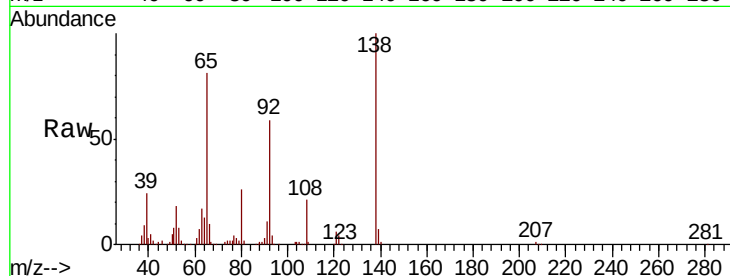
Tgt Ion: 65 Resp: 372435

Ion Ratio Lower Upper

65 100

92 73.2 53.4 80.2

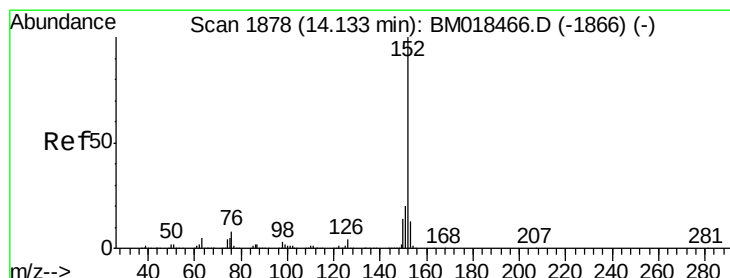
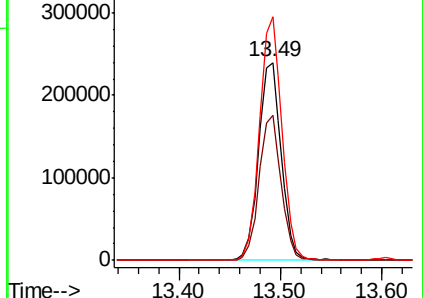
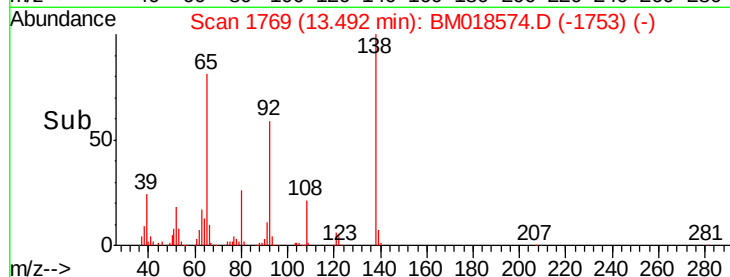
138 123.2 88.9 133.3



Abundance Ion 65.00 (64.70 to 65.70): BM018574.D (-1753) (-)

Ion 92.00 (91.70 to 92.70): BM018574.D (-1753) (-)

Ion 138.00 (137.70 to 138.70): BM018574.D (-1753) (-)



#49

Acenaphthylene

Concen: 38.512 ng

RT: 14.12 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

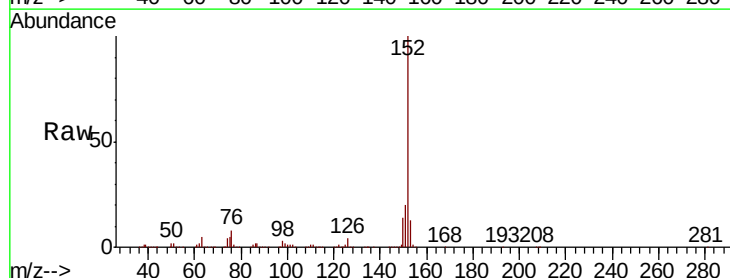
Tgt Ion: 152 Resp: 2189651

Ion Ratio Lower Upper

152 100

151 19.9 15.7 23.5

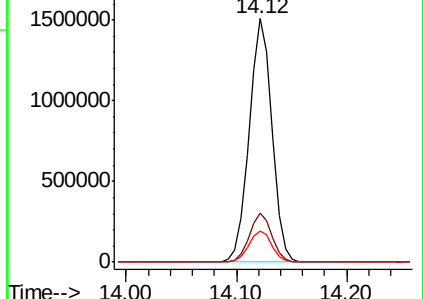
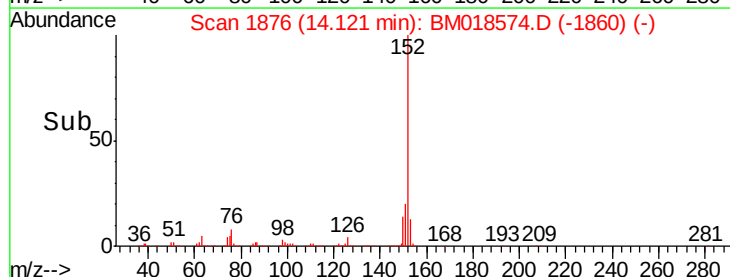
153 13.0 10.5 15.7

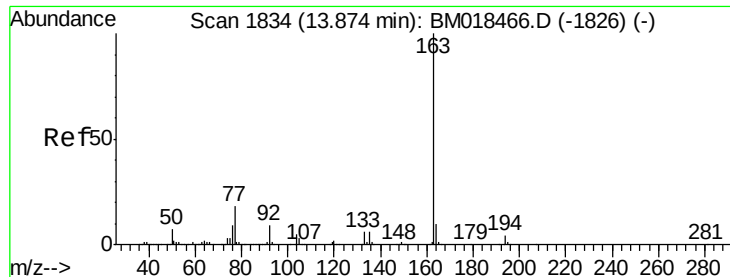


Abundance Ion 152.00 (151.70 to 152.70): BM018574.D (-1860) (-)

Ion 151.00 (150.70 to 151.70): BM018574.D (-1860) (-)

Ion 153.00 (152.70 to 153.70): BM018574.D (-1860) (-)

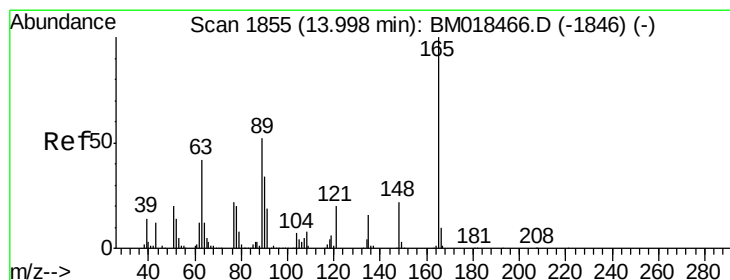
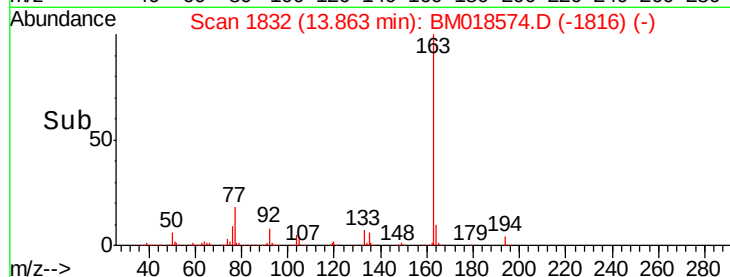
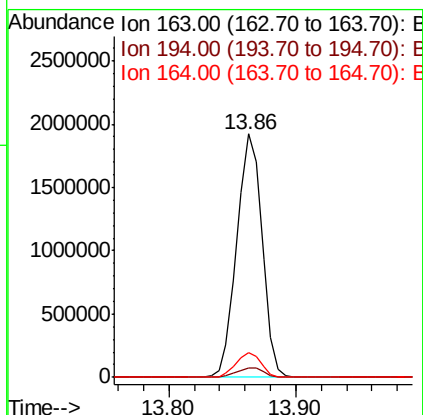
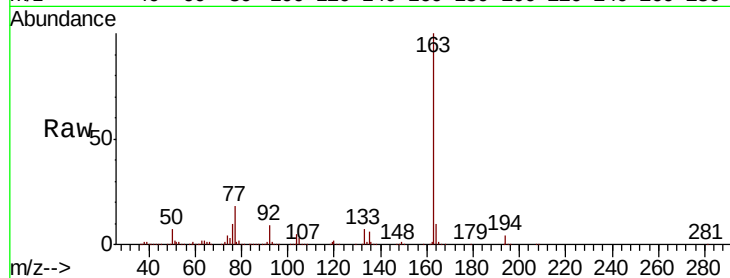




#50
Dimethylphthalate
Concen: 55.873 ng
RT: 13.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

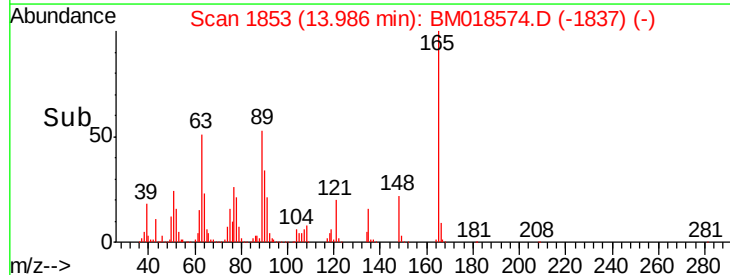
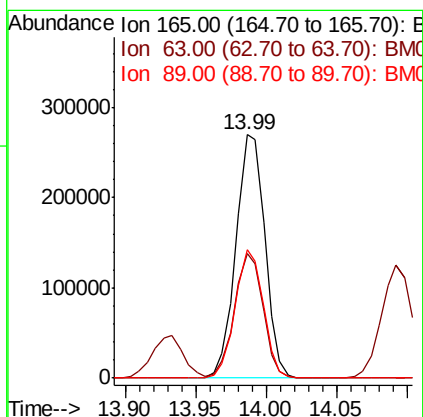
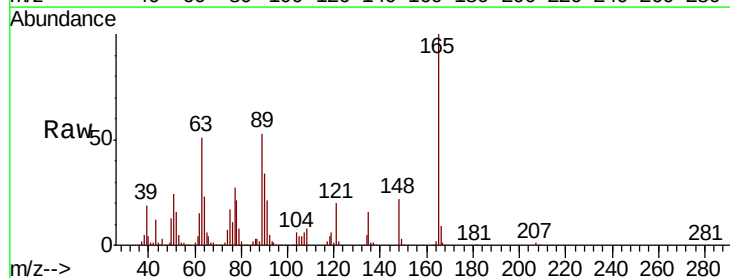
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

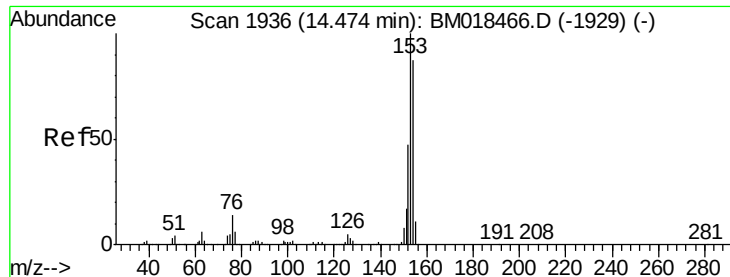
Tgt Ion:163 Resp: 2644024
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.4 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 38.668 ng
RT: 13.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:165 Resp: 387604
Ion Ratio Lower Upper
165 100
63 51.3 45.6 68.4
89 53.0 44.6 66.8





#52

Acenaphthene

Concen: 35.986 ng

RT: 14.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

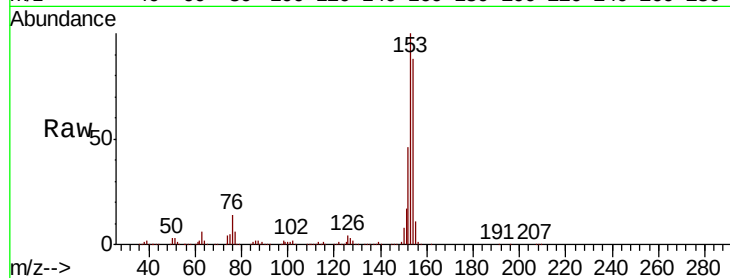
Tgt Ion:154 Resp: 1251892

Ion Ratio Lower Upper

154 100

153 113.9 92.3 138.5

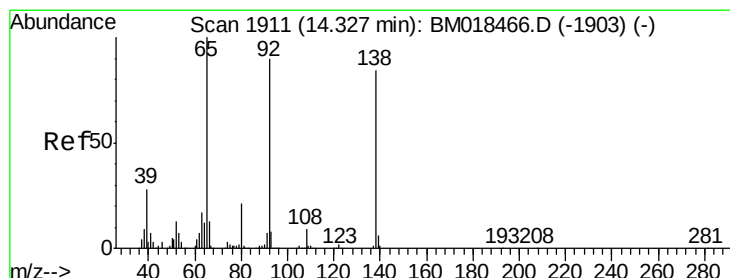
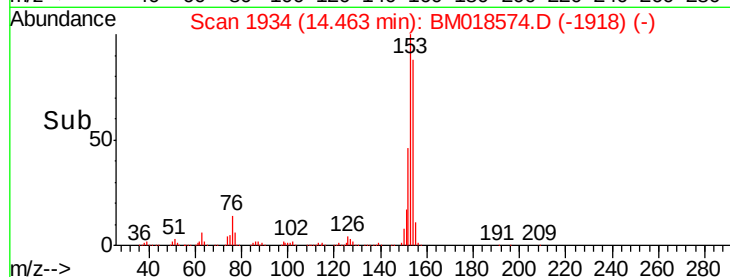
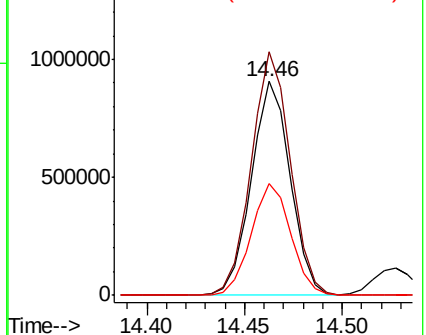
152 52.6 43.8 65.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 15.184 ng

RT: 14.32 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

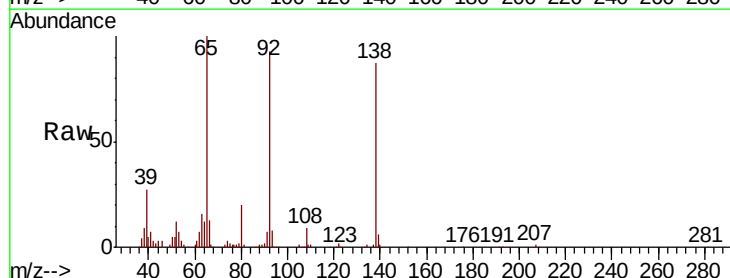
Tgt Ion:138 Resp: 153449

Ion Ratio Lower Upper

138 100

108 10.3 9.1 13.7

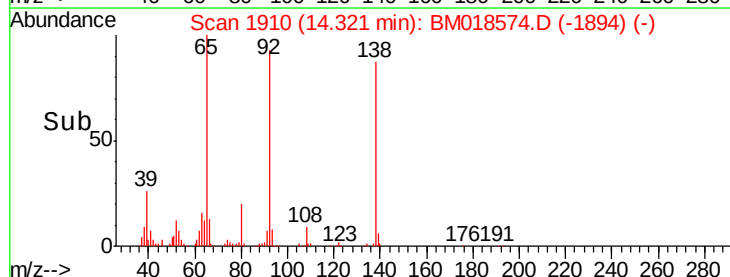
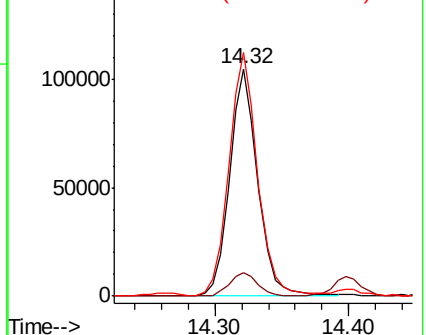
92 107.2 88.2 132.2

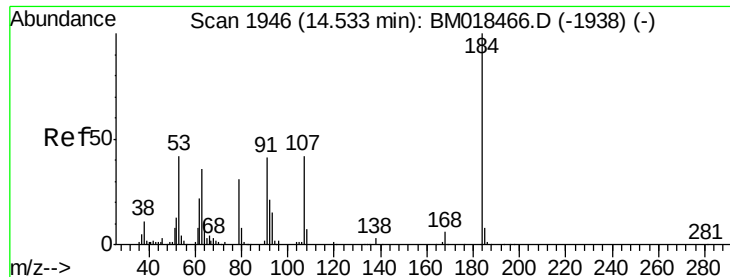


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

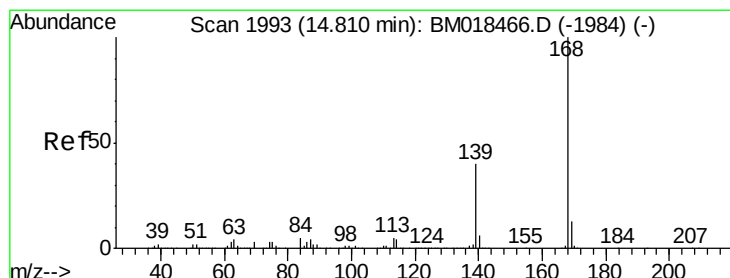
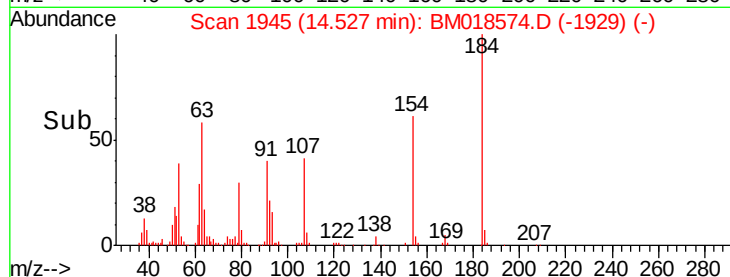
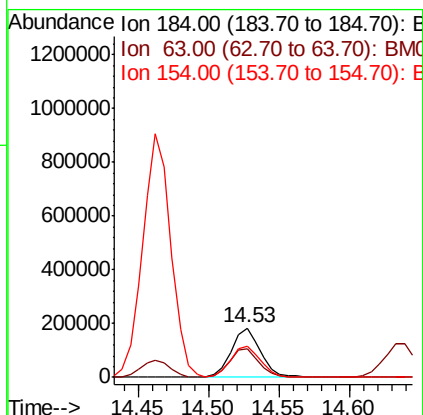
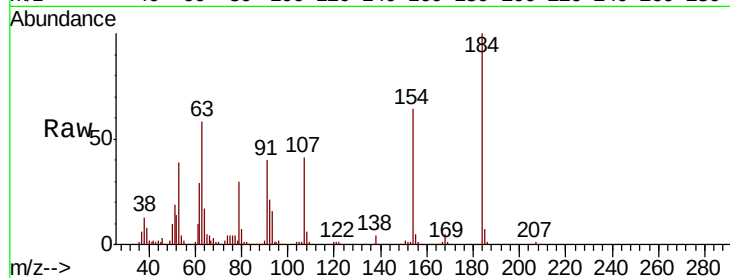




#54
 2,4-Dinitrophenol
 Concen: 51.790 ng
 RT: 14.53 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

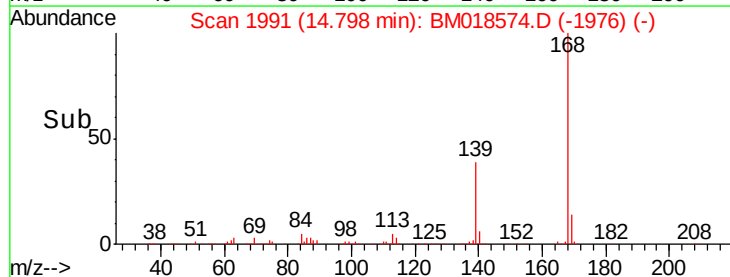
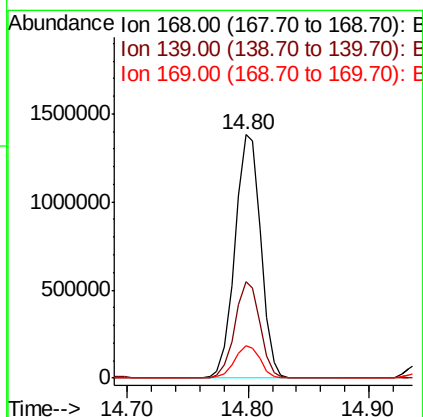
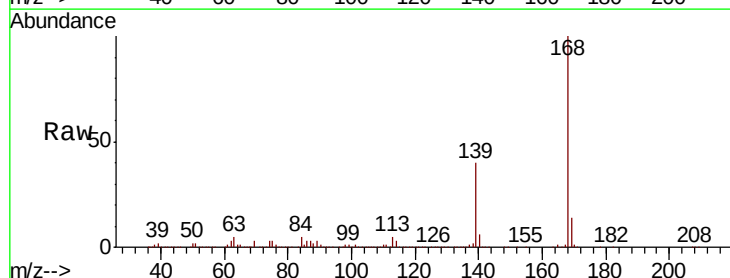
Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

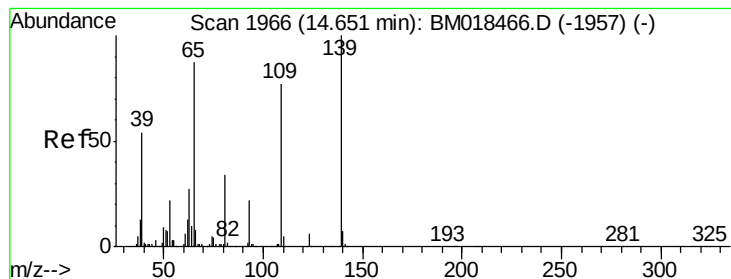
Tgt Ion:184 Resp: 265890
 Ion Ratio Lower Upper
 184 100
 63 58.5 55.9 83.9
 154 63.9 54.2 81.4



#55
 Dibenzofuran
 Concen: 35.692 ng
 RT: 14.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion:168 Resp: 2051587
 Ion Ratio Lower Upper
 168 100
 139 39.7 30.3 45.5
 169 13.5 10.6 16.0





#56

4-Nitrophenol

Concen: 84.436 ng

RT: 14.64 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

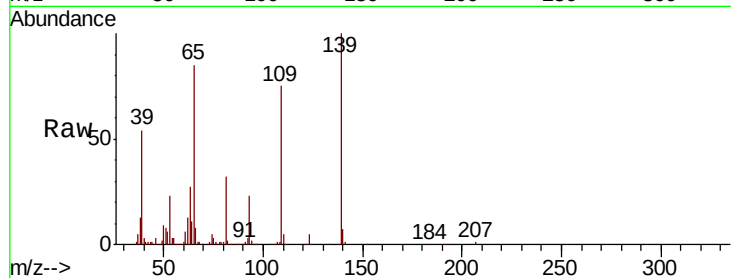
Tgt Ion:139 Resp: 737157

Ion Ratio Lower Upper

139 100

109 75.5 51.7 91.7

65 85.4 71.4 111.4

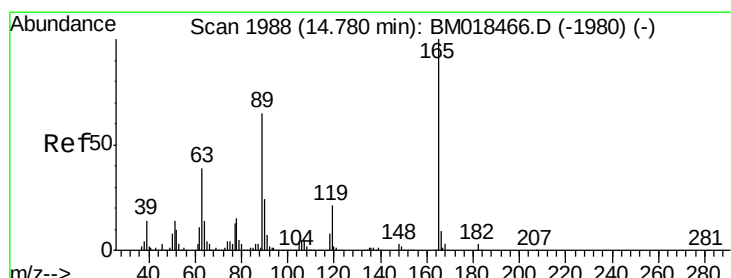
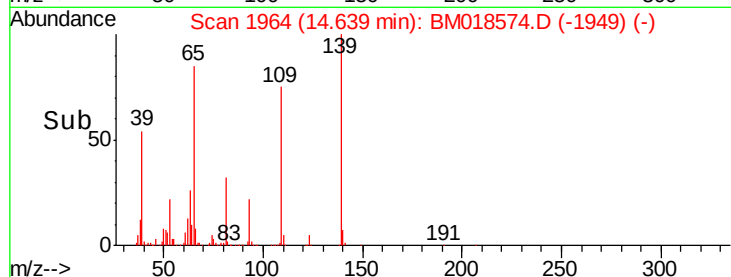
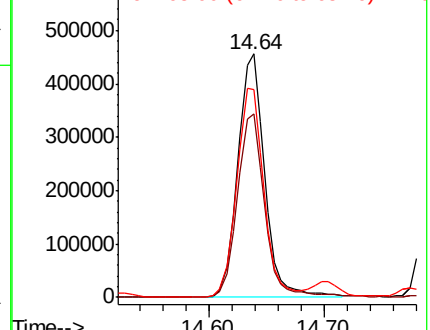


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM



#57

2,4-Dinitrotoluene

Concen: 39.430 ng

RT: 14.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Tgt Ion:165 Resp: 559221

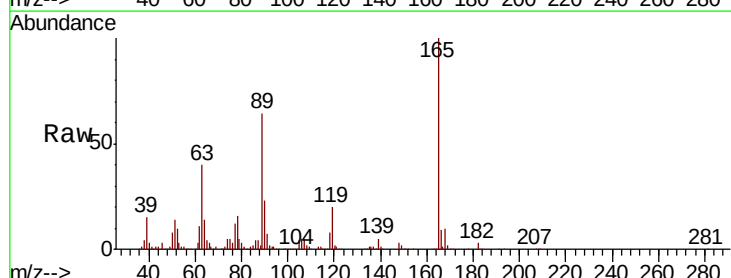
Ion Ratio Lower Upper

165 100

63 39.7 32.2 48.2

89 63.9 52.1 78.1

182 2.9 2.5 3.7



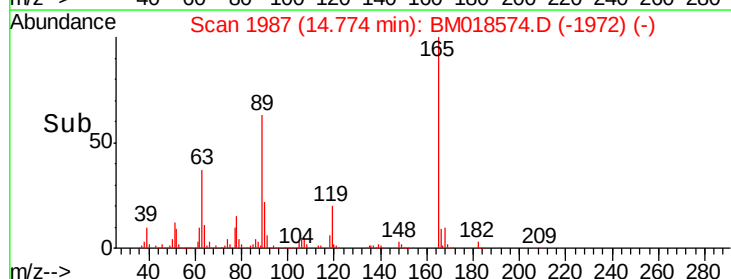
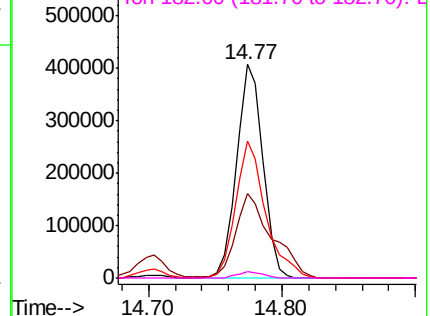
Abundance

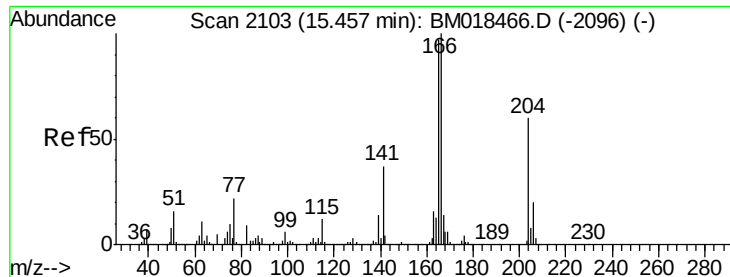
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E

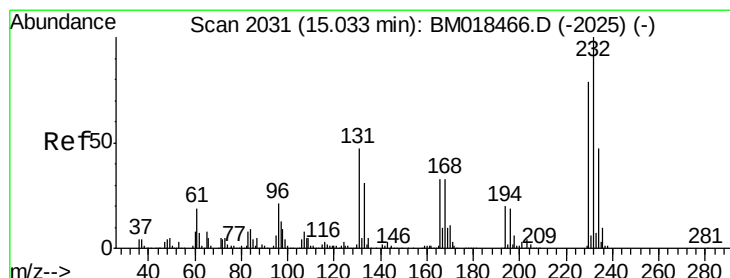
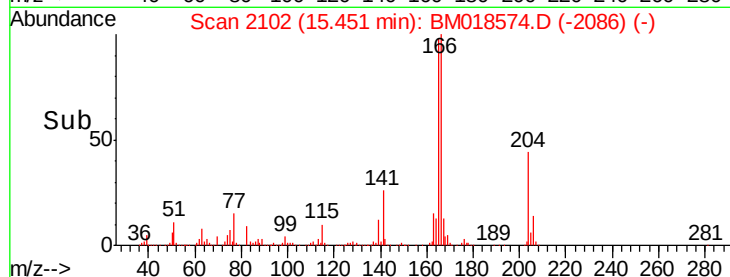
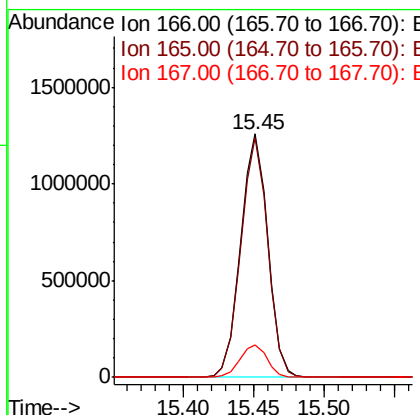
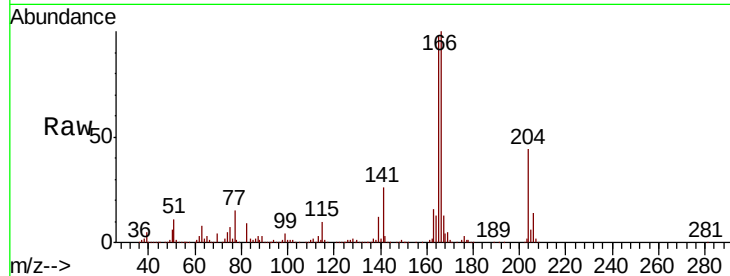




#58
 Fluorene
 Concen: 39.430 ng
 RT: 15.45 min Scan# 2102
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

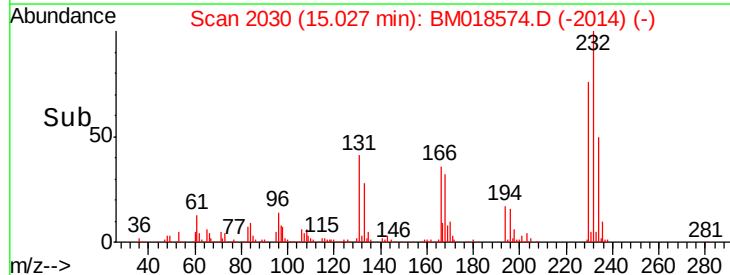
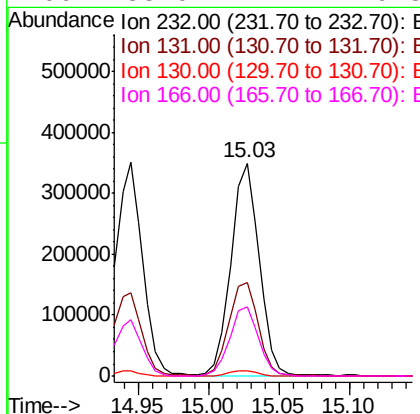
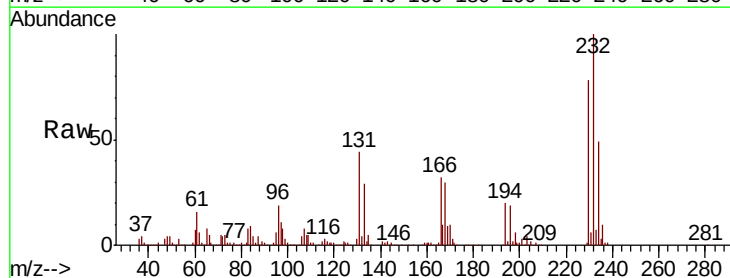
Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

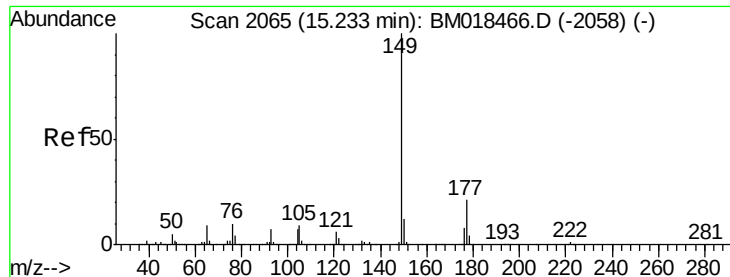
Tgt Ion:166 Resp: 1688307
 Ion Ratio Lower Upper
 166 100
 165 98.4 78.3 117.5
 167 13.2 10.9 16.3



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.430 ng
 RT: 15.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion:232 Resp: 483976
 Ion Ratio Lower Upper
 232 100
 131 45.9 38.6 57.8
 130 2.6 2.2 3.4
 166 33.0 27.2 40.8

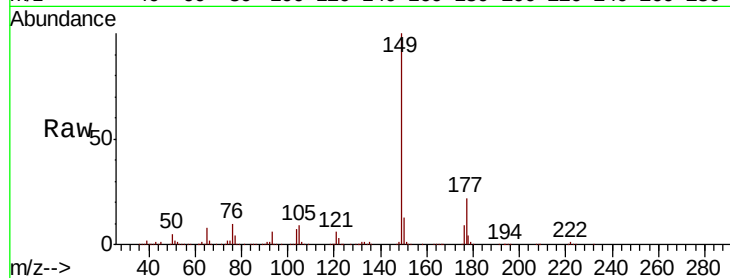




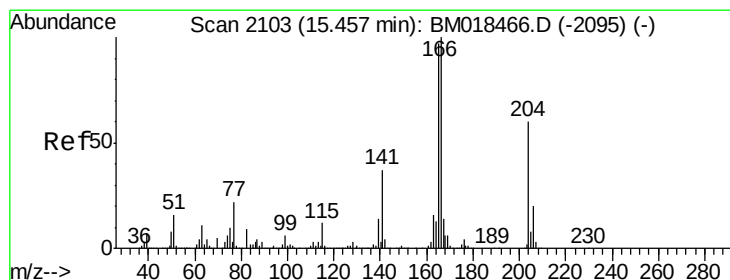
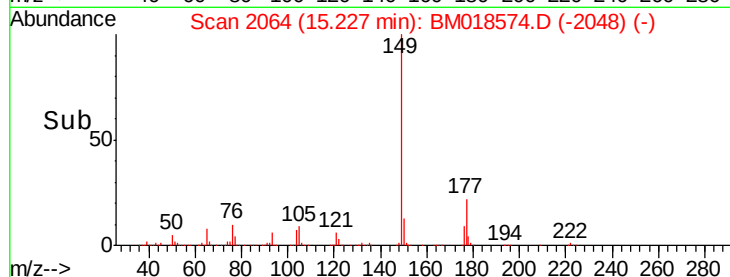
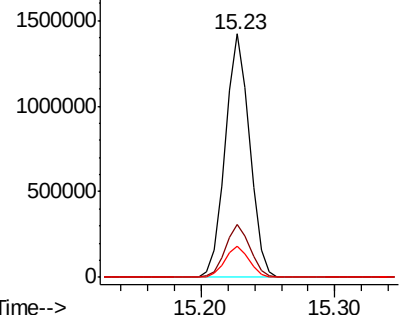
#60
Diethylphthalate
Concen: 37.536 ng
RT: 15.23 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:149 Resp: 1793177
Ion Ratio Lower Upper
149 100
177 22.0 17.1 25.7
150 12.8 9.8 14.6

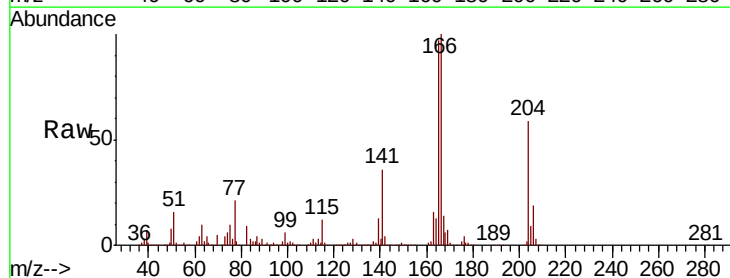


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

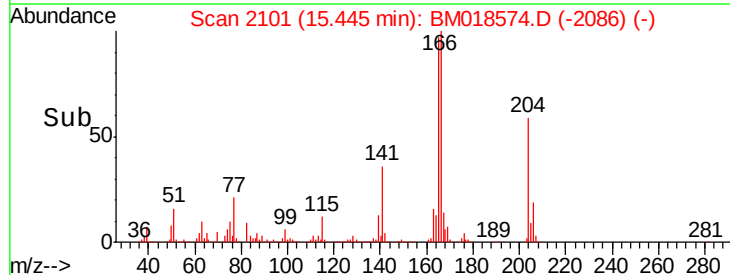
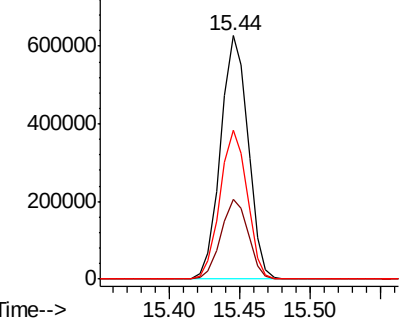


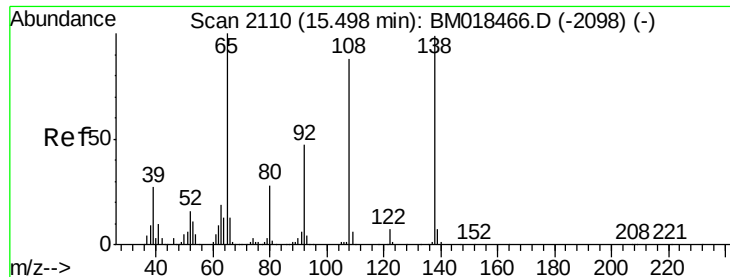
#61
4-Chlorophenyl-phenylether
Concen: 34.427 ng
RT: 15.44 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:204 Resp: 849612
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.6
141 61.0 49.5 74.3



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

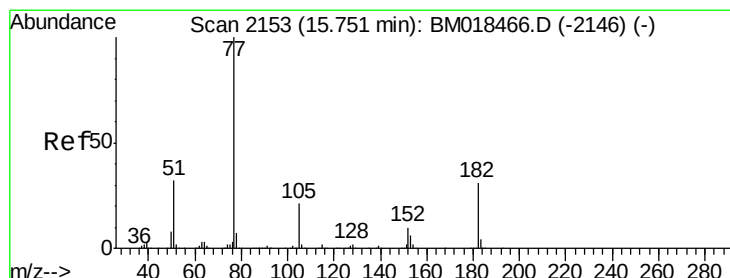
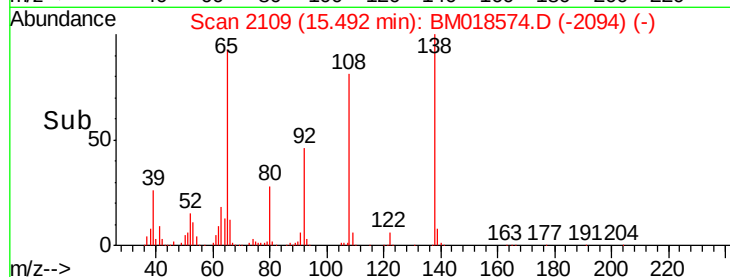
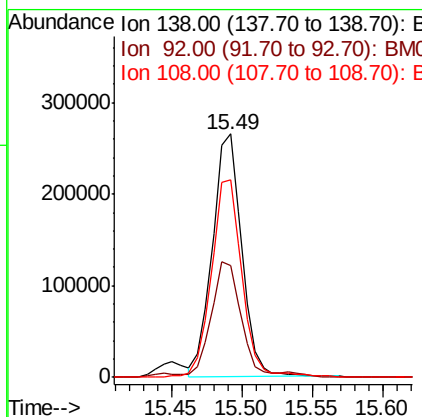
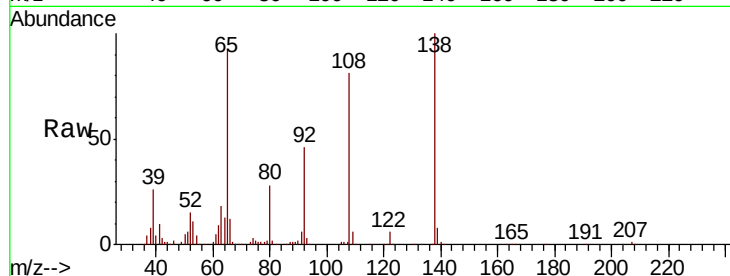




#62
4-Nitroaniline
Concen: 34.669 ng
RT: 15.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

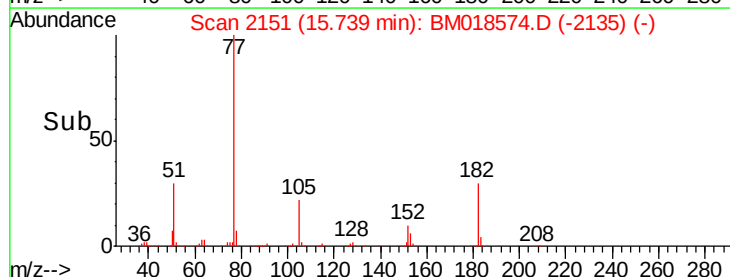
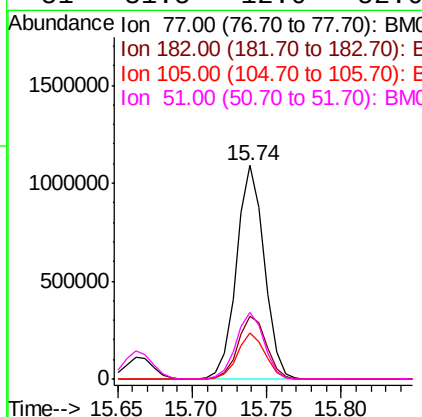
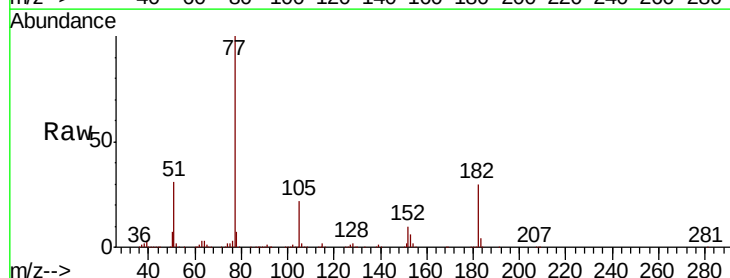
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

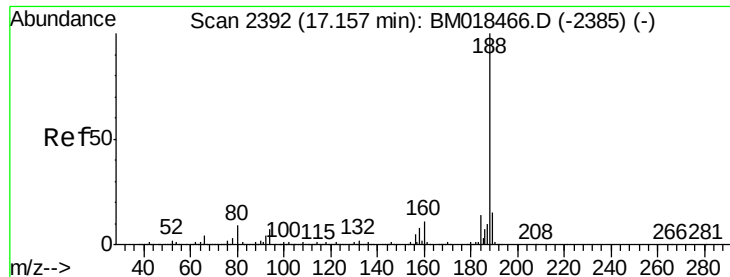
Tgt Ion: 138 Resp: 382148
Ion Ratio Lower Upper
138 100
92 45.9 29.0 69.0
108 81.2 63.9 103.9



#63
Azobenzene
Concen: 36.135 ng
RT: 15.74 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion: 77 Resp: 1407437
Ion Ratio Lower Upper
77 100
182 29.6 7.4 47.4
105 21.5 0.0 39.6
51 31.5 12.0 52.0

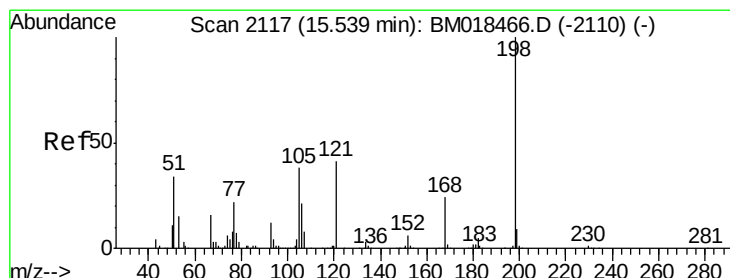
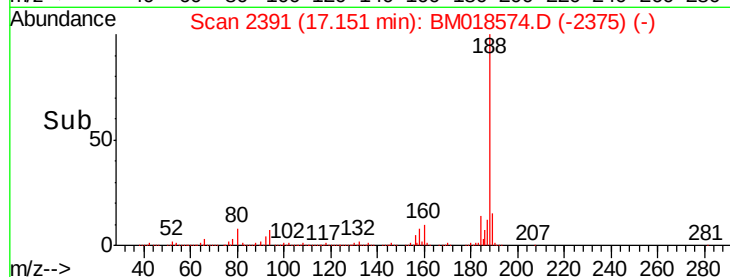
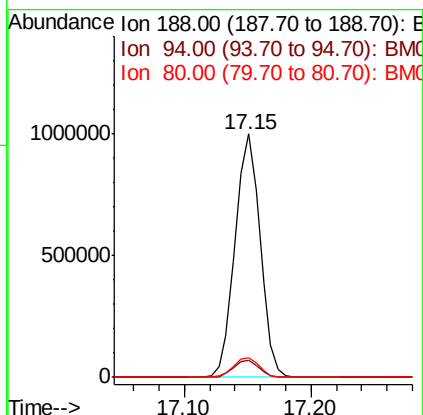
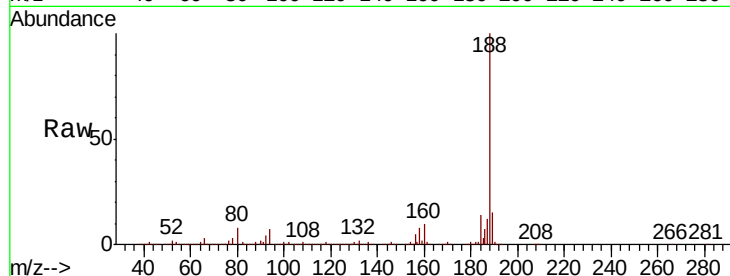




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.15 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

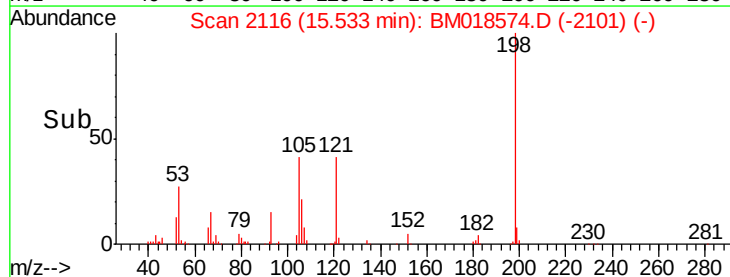
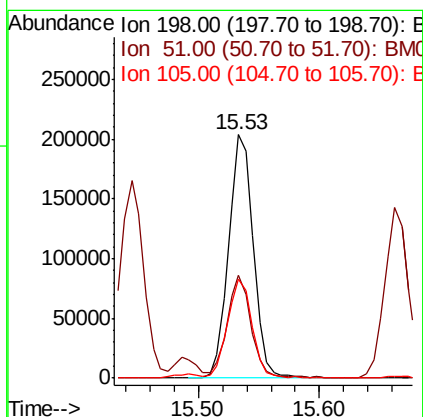
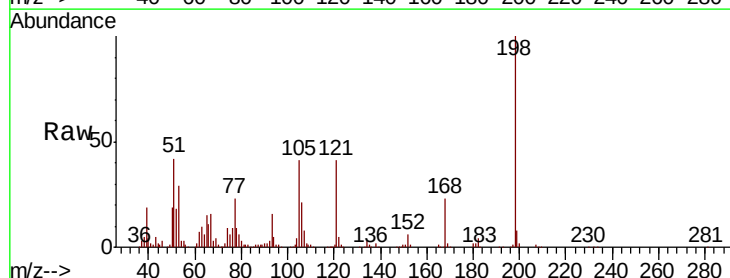
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

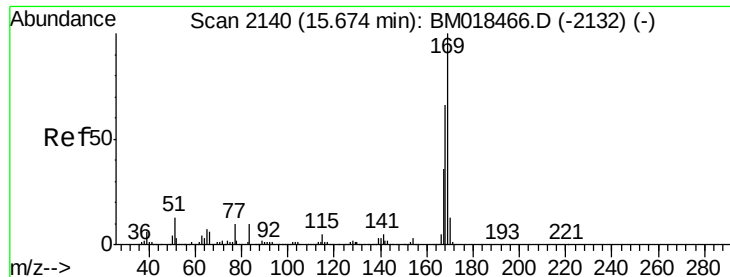
Tgt Ion:188 Resp: 1366094
Ion Ratio Lower Upper
188 100
94 7.2 7.1 10.7
80 8.1 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 34.921 ng
RT: 15.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:198 Resp: 289659
Ion Ratio Lower Upper
198 100
51 42.3 29.6 69.6
105 40.8 25.5 65.5

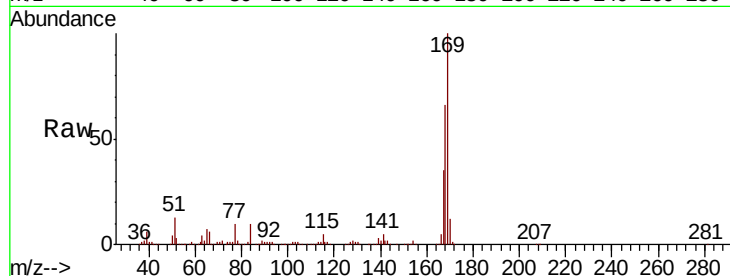




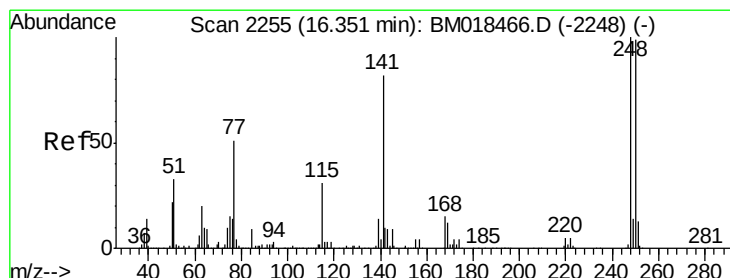
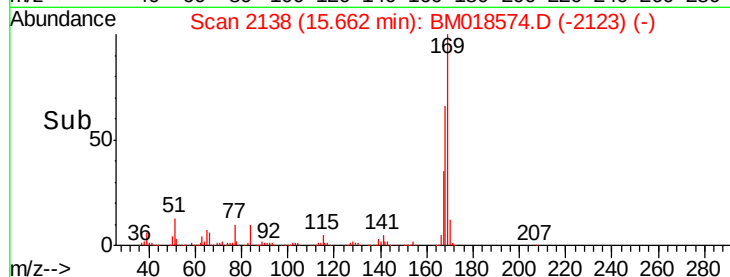
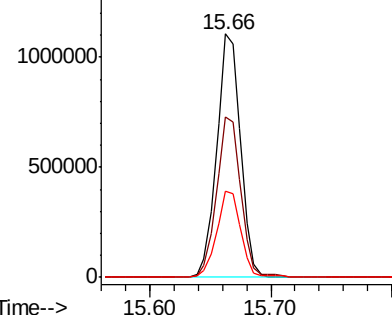
#66
 n-Nitrosodiphenylamine
 Concen: 35.602 ng
 RT: 15.66 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tgt Ion:169 Resp: 1508673
 Ion Ratio Lower Upper
 169 100
 168 65.8 54.1 81.1
 167 35.2 28.6 42.8

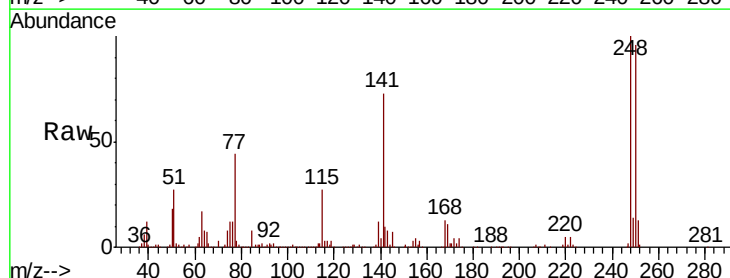


Abundance Ion 169.00 (168.70 to 169.70): E
 1500000 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

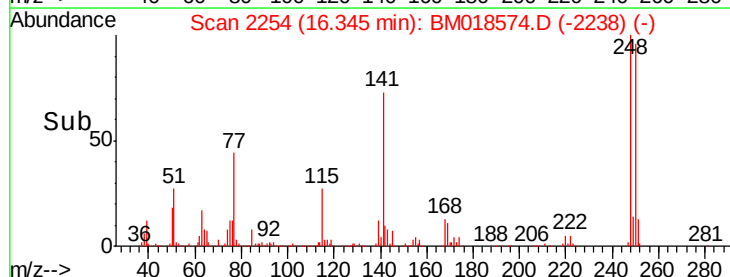
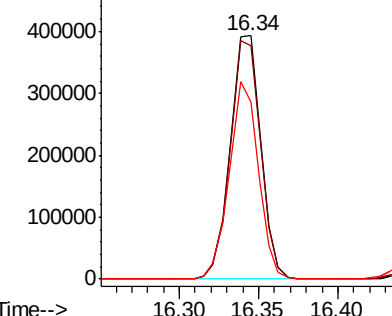


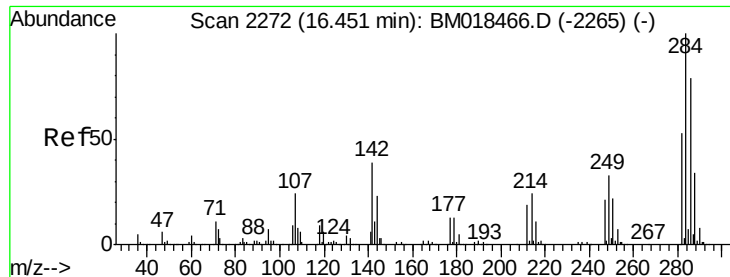
#67
 4-Bromophenyl-phenylether
 Concen: 34.515 ng
 RT: 16.34 min Scan# 2254
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion:248 Resp: 527649
 Ion Ratio Lower Upper
 248 100
 250 95.7 76.0 114.0
 141 72.6 61.5 92.3



Abundance Ion 248.00 (247.70 to 248.70): E
 500000 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 34.554 ng

RT: 16.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

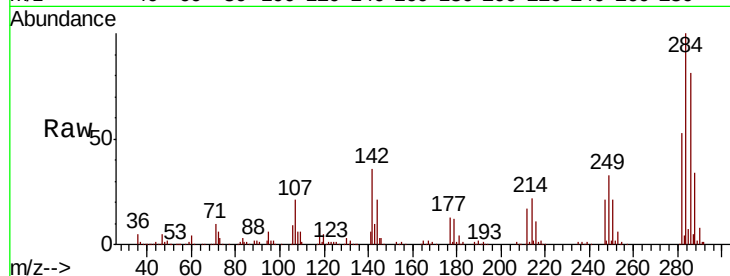
Tgt Ion:284 Resp: 591362

Ion Ratio Lower Upper

284 100

142 36.1 29.2 43.8

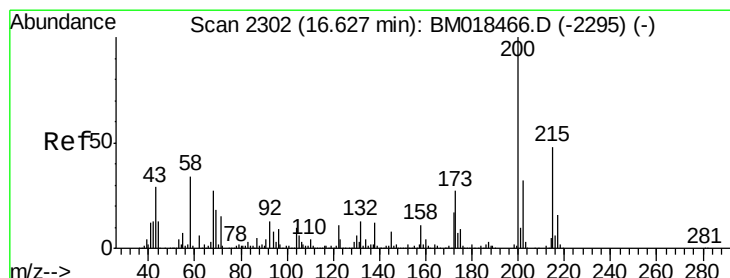
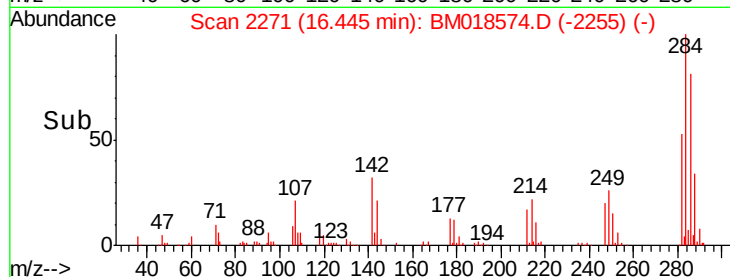
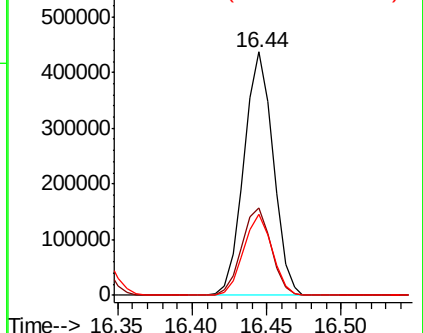
249 33.2 26.1 39.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 38.012 ng

RT: 16.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

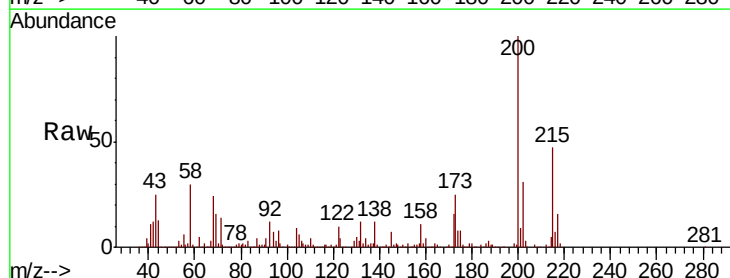
Tgt Ion:200 Resp: 582331

Ion Ratio Lower Upper

200 100

173 25.2 7.2 47.2

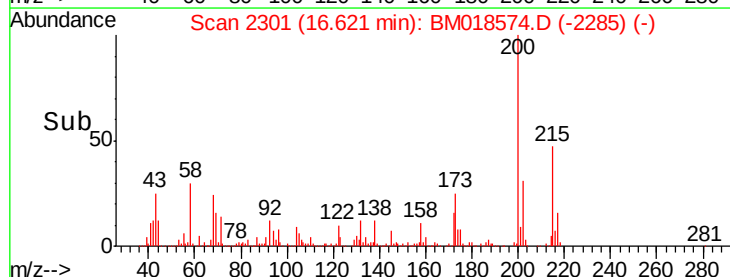
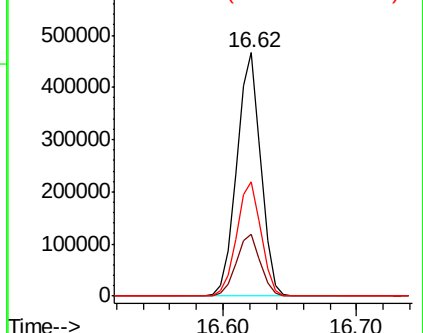
215 47.1 28.3 68.3

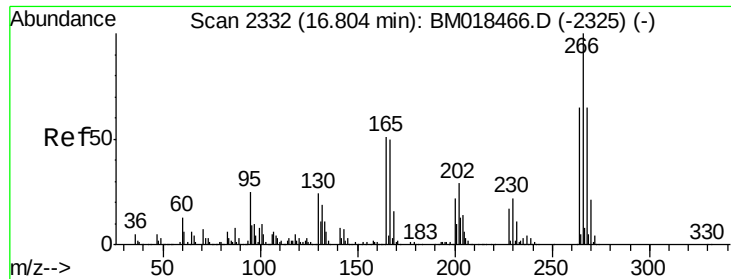


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

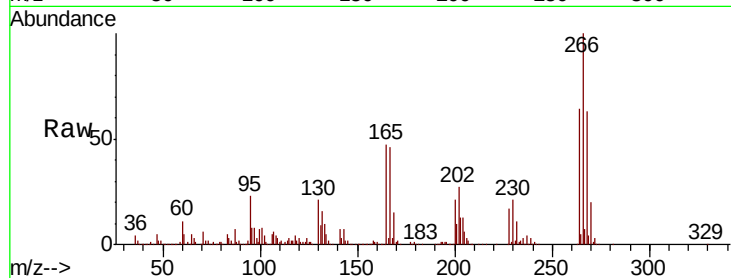




#70
 Pentachlorophenol
 Concen: 71.795 ng
 RT: 16.80 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.8	74.6
264	64.0	50.1	75.1

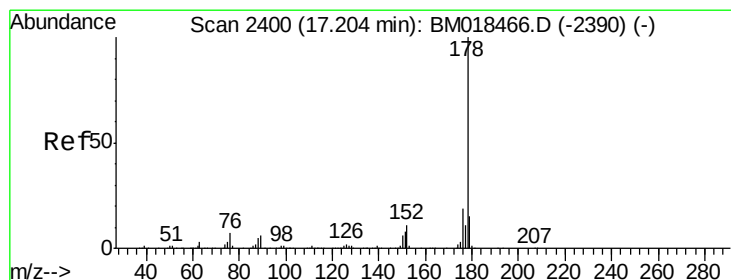
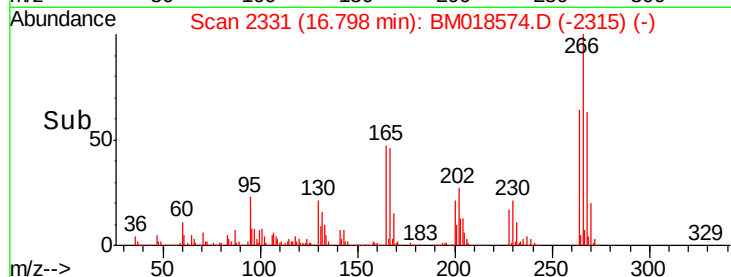
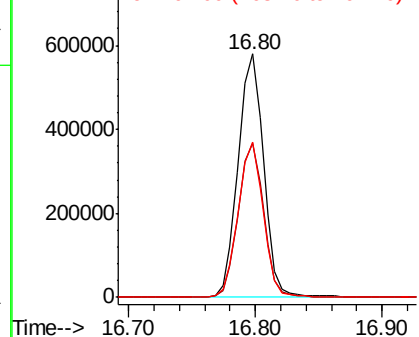


Abundance

Ion 265.70 (265.40 to 266.40): E

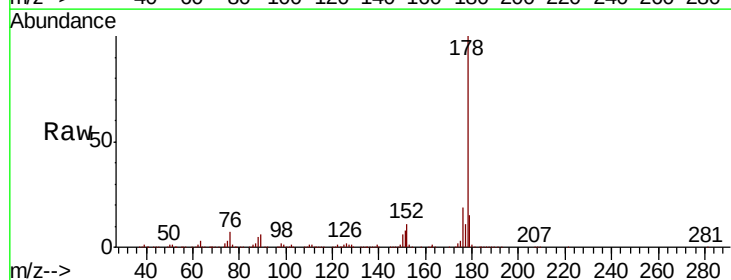
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71
 Phenanthrene
 Concen: 38.274 ng
 RT: 17.19 min Scan# 2398
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.3	12.2	18.4

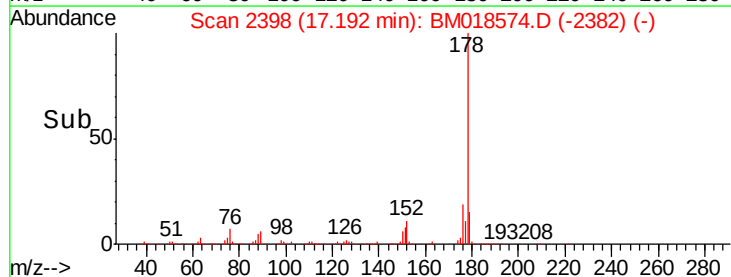
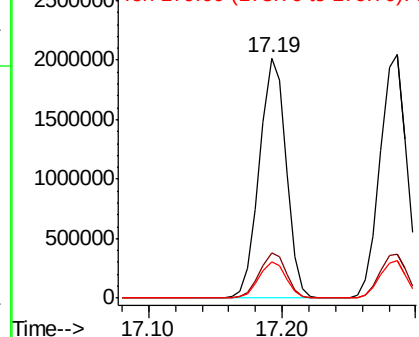


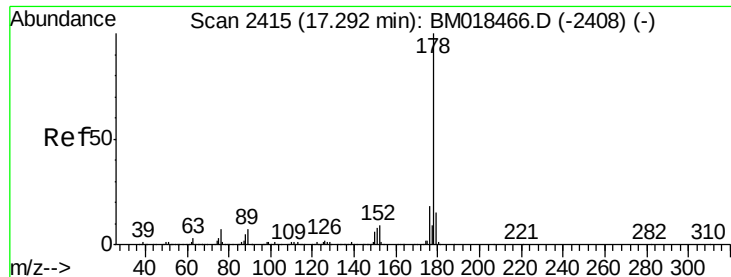
Abundance

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: 40.587 ng

RT: 17.29 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

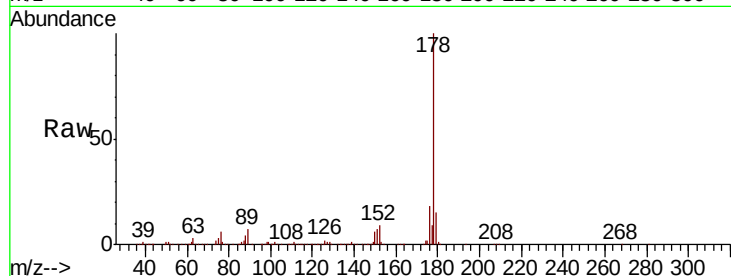
Tgt Ion:178 Resp: 2835894

Ion Ratio Lower Upper

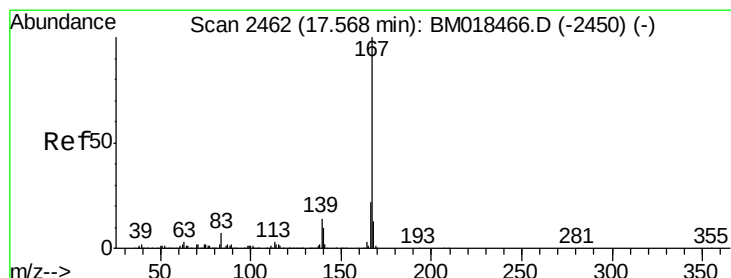
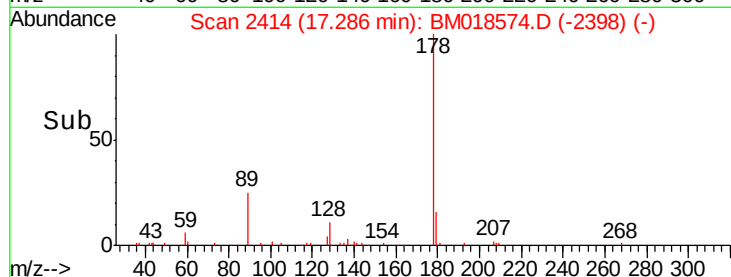
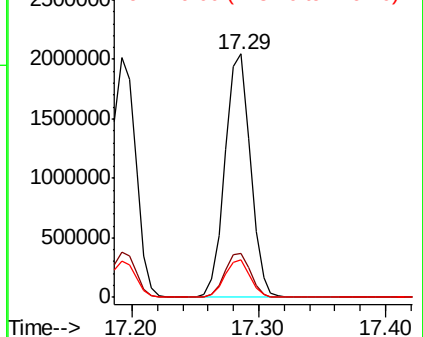
178 100

176 18.3 14.7 22.1

179 15.3 12.2 18.4



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: 37.228 ng

RT: 17.56 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

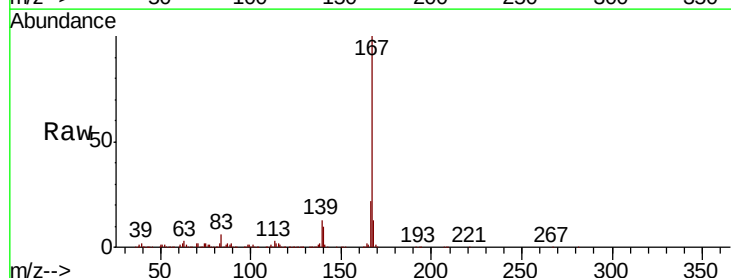
Tgt Ion:167 Resp: 2672452

Ion Ratio Lower Upper

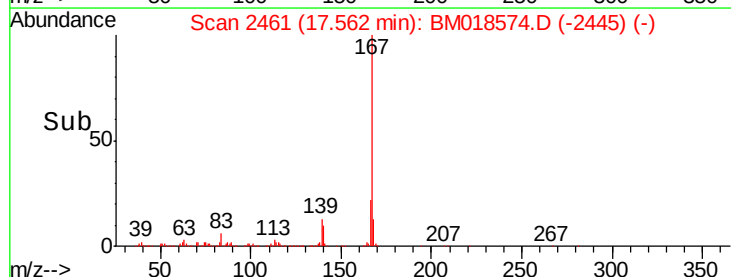
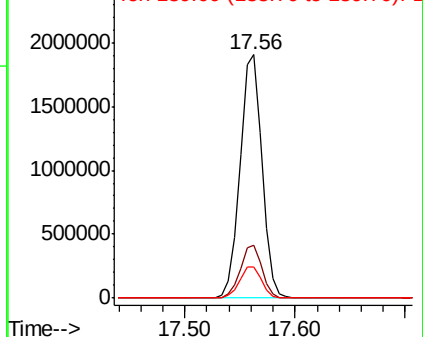
167 100

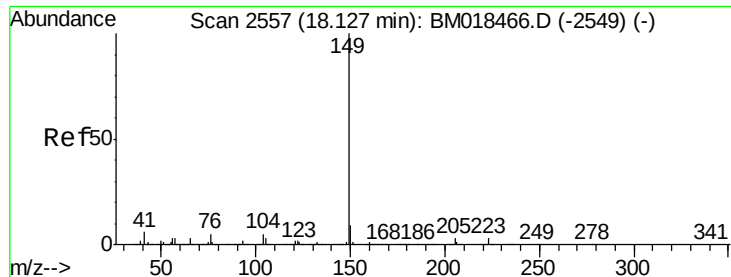
166 21.8 17.4 26.2

139 12.7 10.6 16.0



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





#74

Di-n-butylphthalate

Concen: 40.165 ng

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

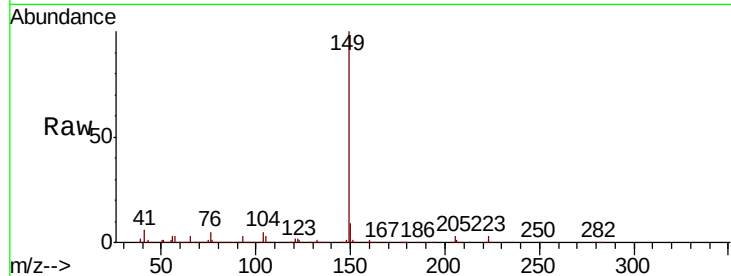
Tgt Ion:149 Resp: 3158276

Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

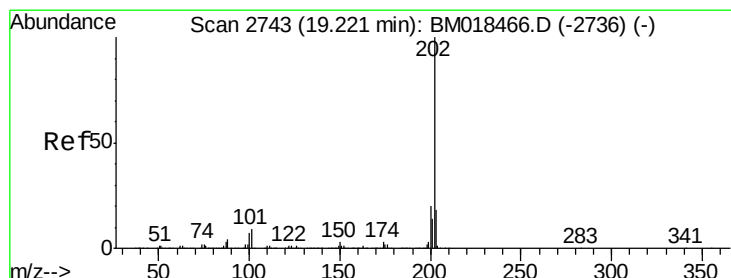
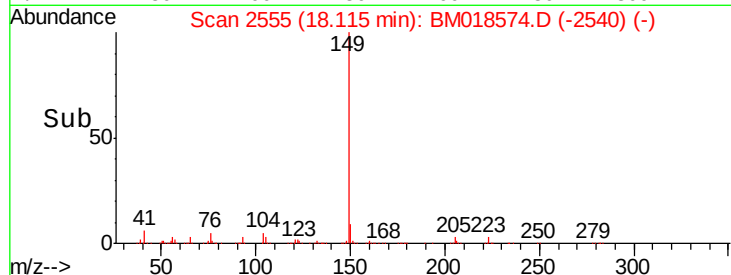
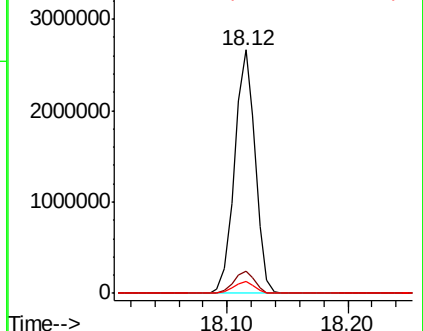
104 4.9 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 41.667 ng

RT: 19.21 min Scan# 2741

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

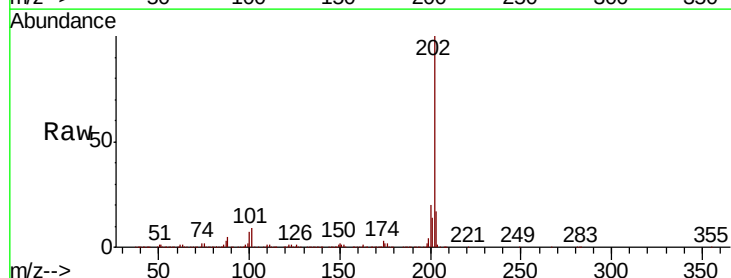
Tgt Ion:202 Resp: 3490649

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.9

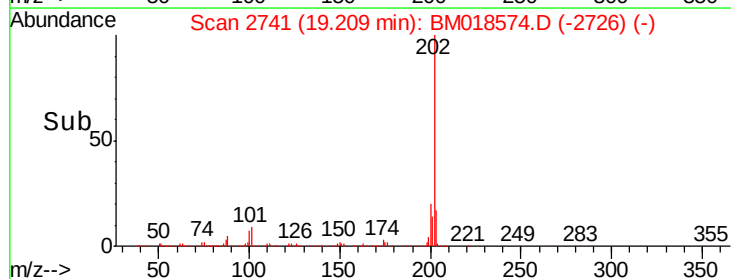
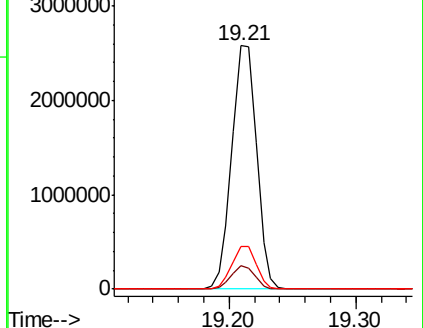
203 17.4 0.0 37.4

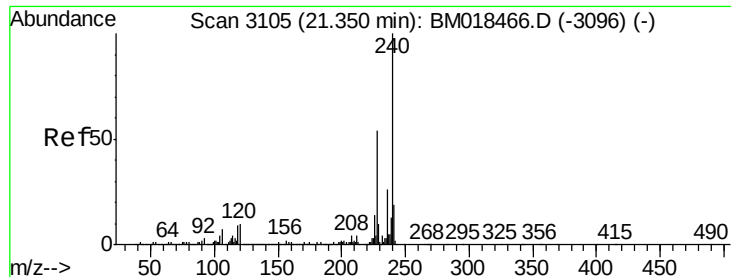


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

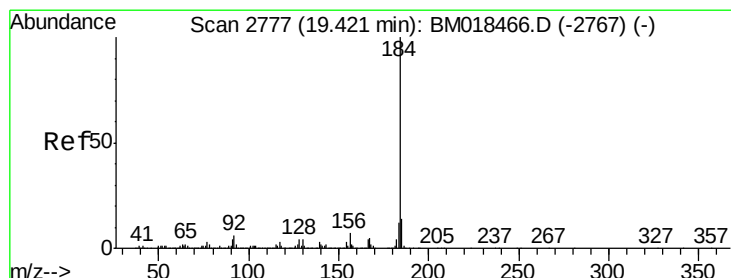
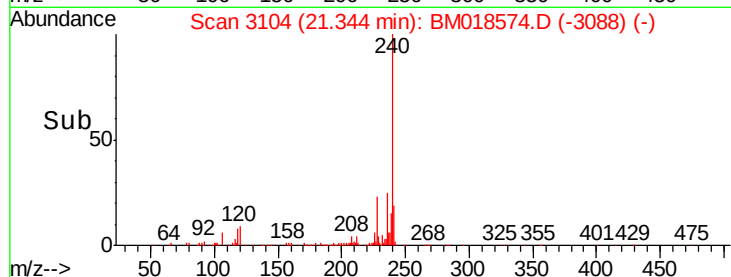
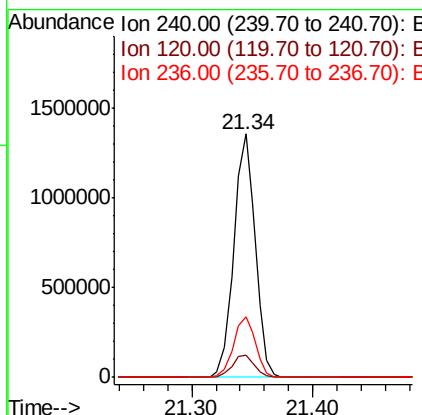
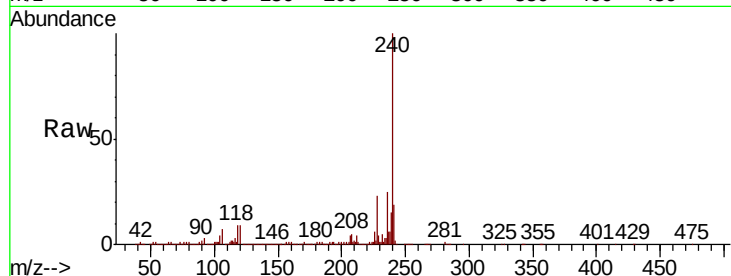




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

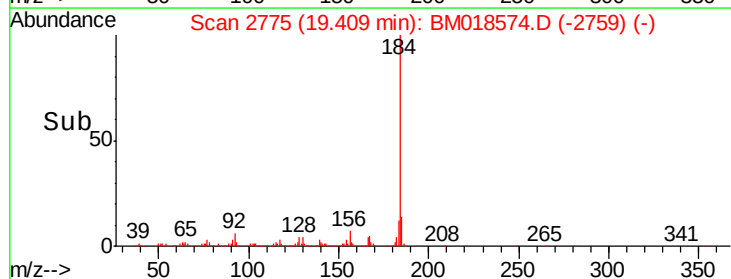
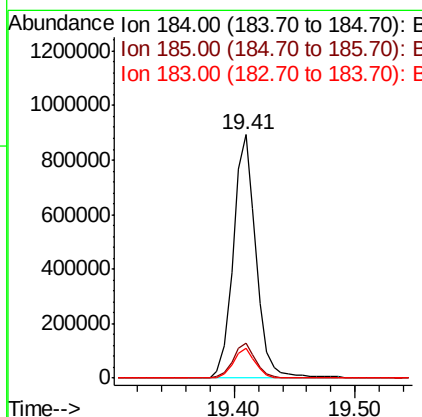
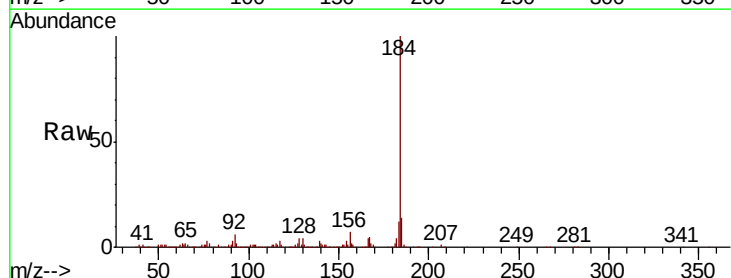
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

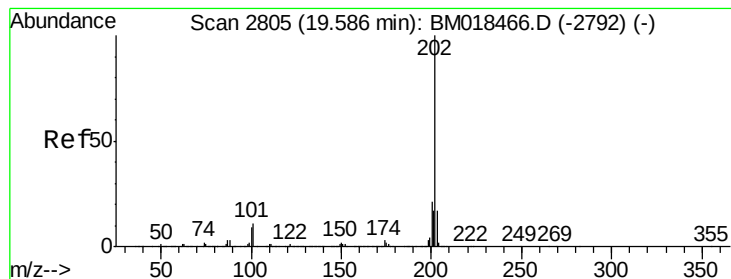
Tgt Ion:240 Resp: 1672998
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.1 20.7 31.1



#77
Benzidine
Concen: 28.373 ng
RT: 19.41 min Scan# 2775
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:184 Resp: 1172072
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 12.0 9.5 14.3





#78

Pyrene

Concen: 36.303 ng

RT: 19.58 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

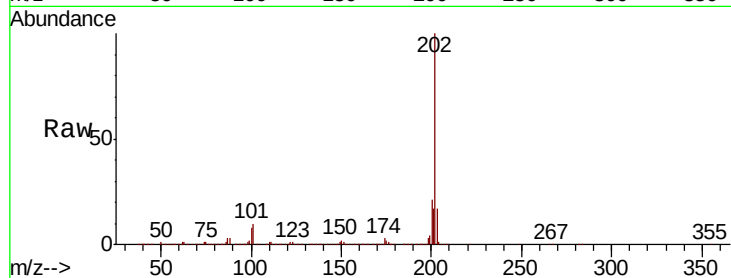
Tgt Ion:202 Resp: 3600047

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

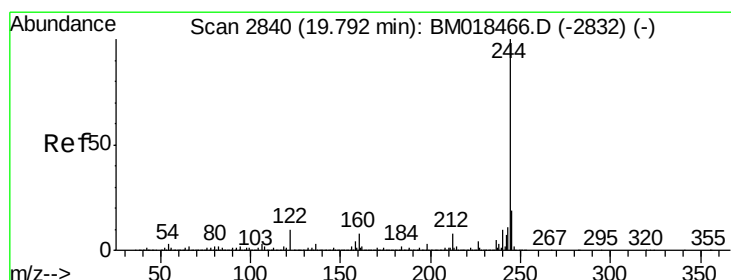
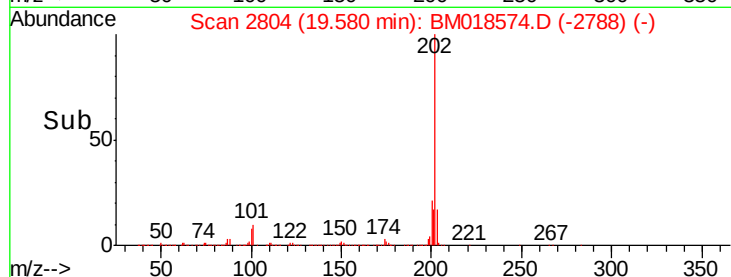
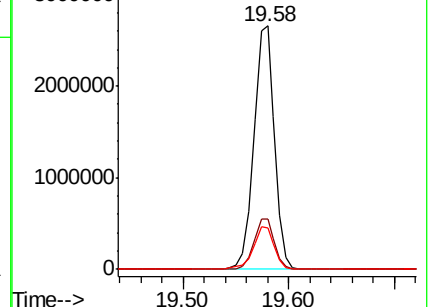
203 17.1 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 68.016 ng

RT: 19.78 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

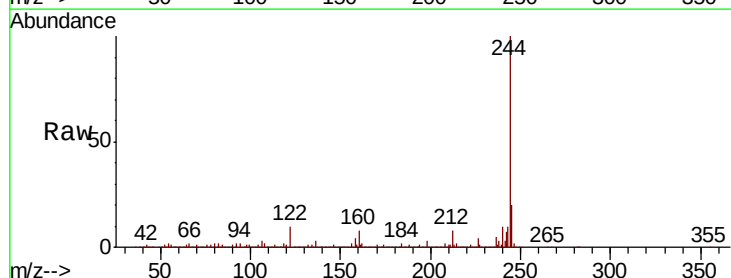
Tgt Ion:244 Resp: 5397928

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

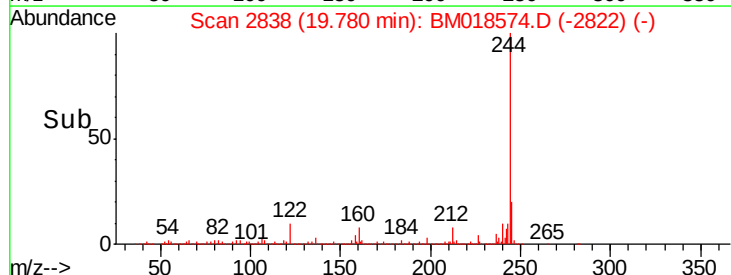
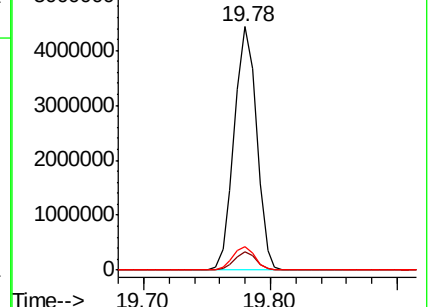
122 9.7 9.0 13.4

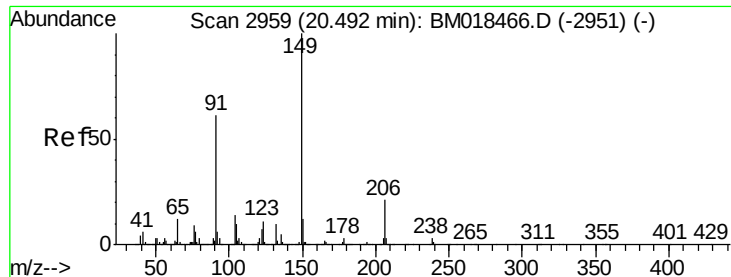


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

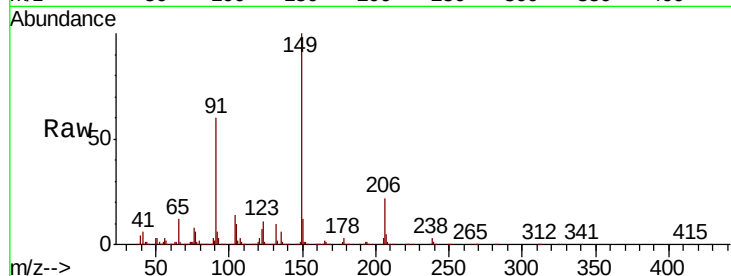




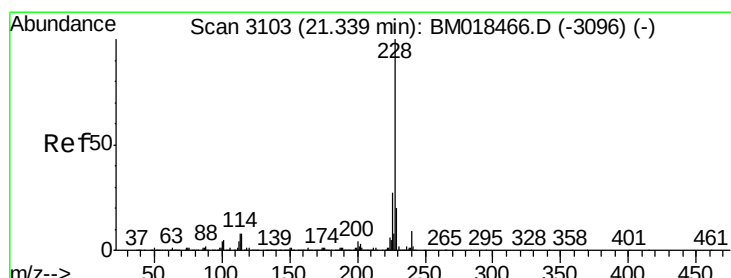
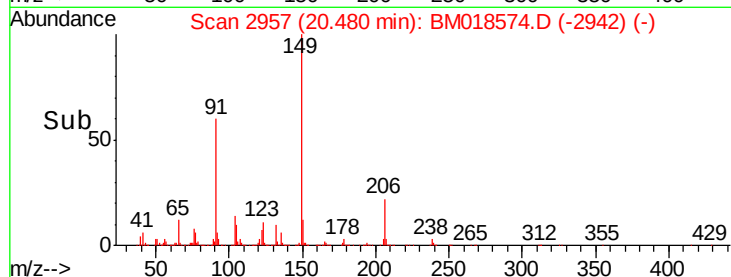
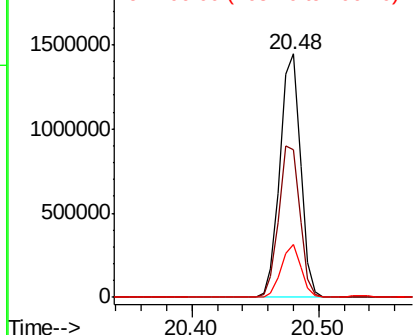
#80
Butylbenzylphthalate
Concen: 38.375 ng
RT: 20.48 min Scan# 2957
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

Tgt Ion:149 Resp: 1623842
Ion Ratio Lower Upper
149 100
91 60.4 53.1 79.7
206 21.9 16.2 24.4

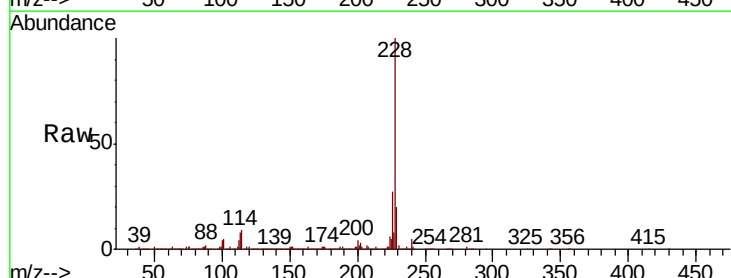


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

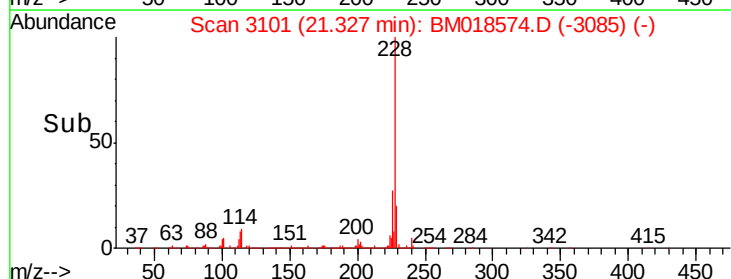
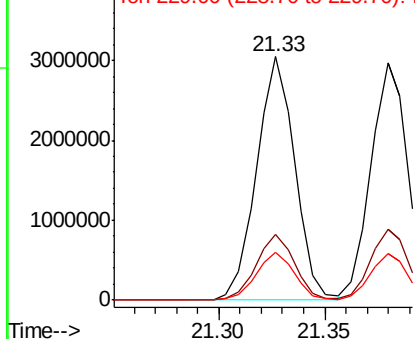


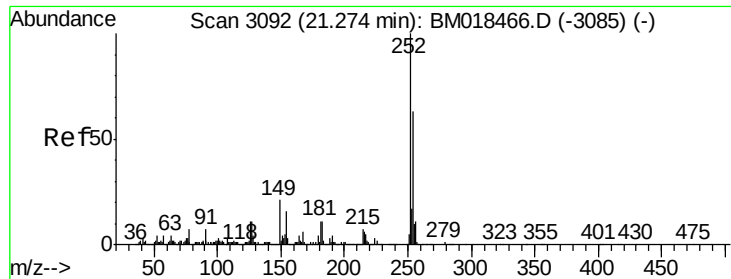
#81
Benzo(a)anthracene
Concen: 38.902 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:228 Resp: 3834181
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.6
229 19.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

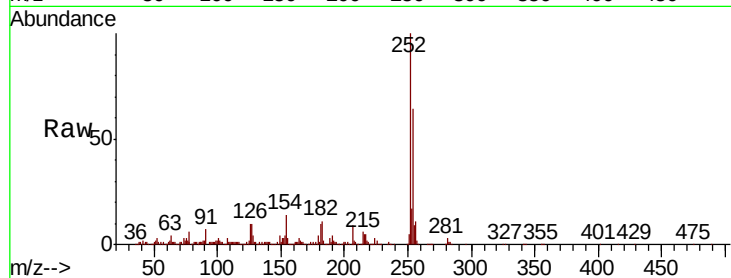




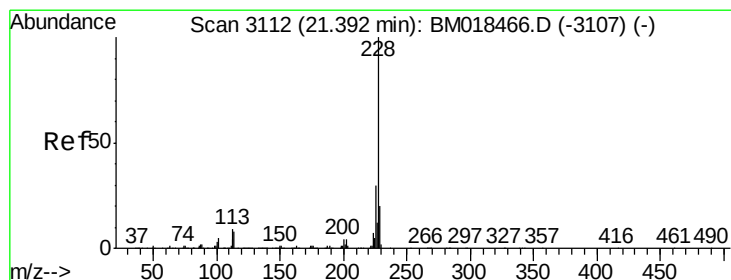
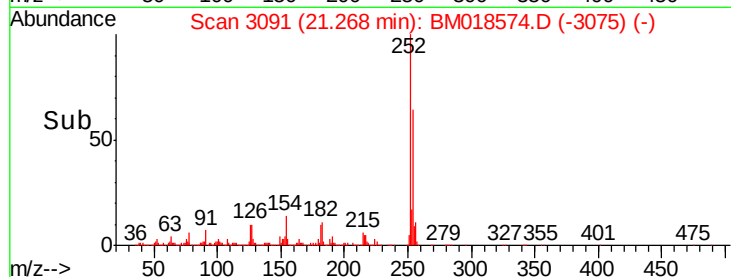
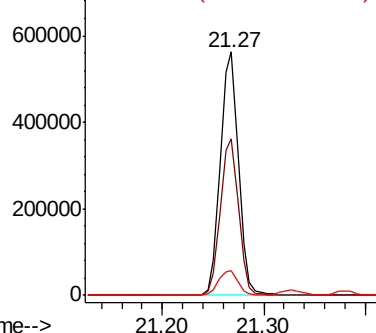
#82
 3,3'-Dichlorobenzidine
 Concen: 18.871 ng
 RT: 21.27 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Instrument :
 BNA_M
 ClientSampleId :
 QD-01-011019MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.3	8.7	13.1

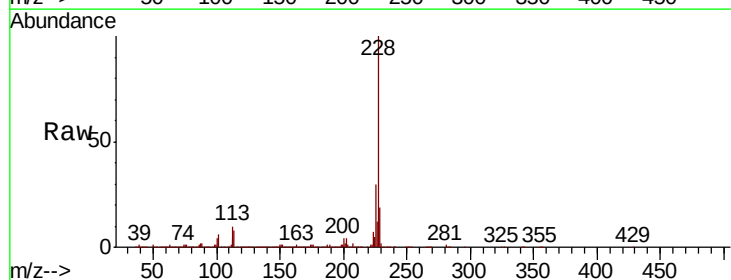


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

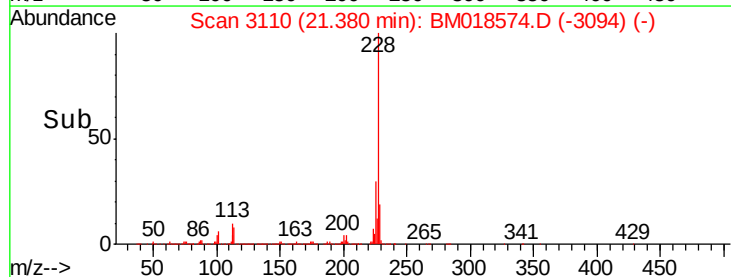
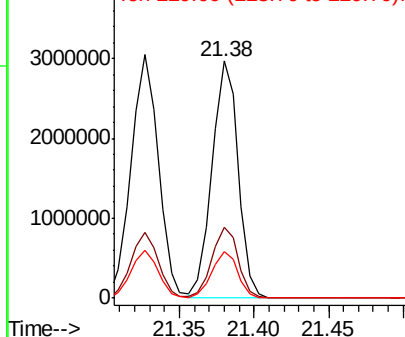


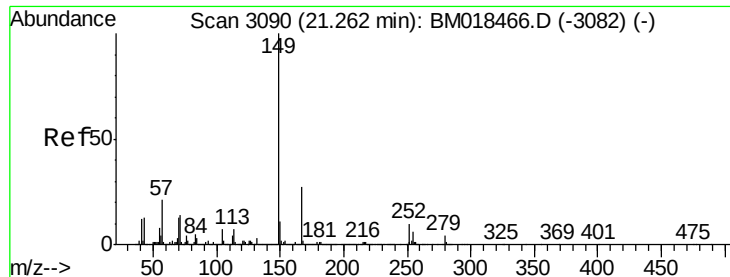
#83
 Chrysene
 Concen: 37.982 ng
 RT: 21.38 min Scan# 3110
 Delta R.T. -0.01 min
 Lab File: BM018574.D
 Acq: 15 Jan 2019 23:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.4	15.6	23.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 37.667 ng

RT: 21.25 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

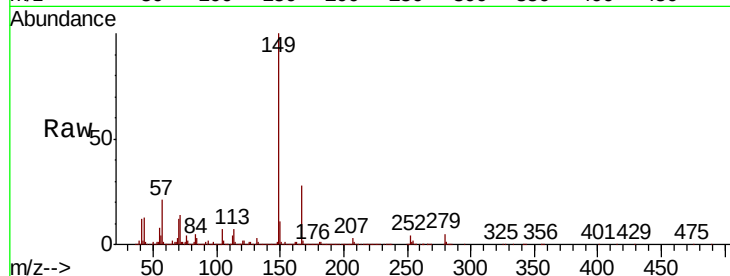
Tgt Ion:149 Resp: 2301623

Ion Ratio Lower Upper

149 100

167 27.8 21.6 32.4

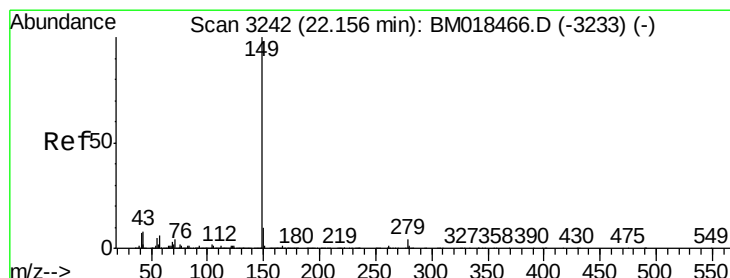
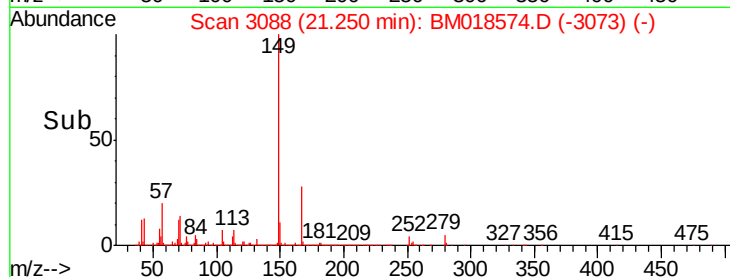
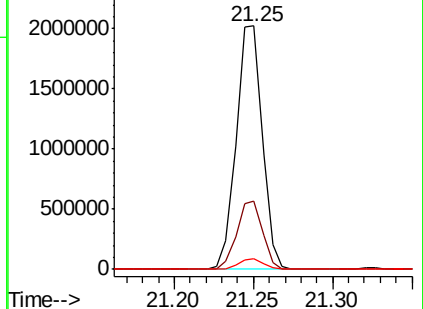
279 4.5 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 40.604 ng

RT: 22.14 min Scan# 3239

Delta R.T. -0.02 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

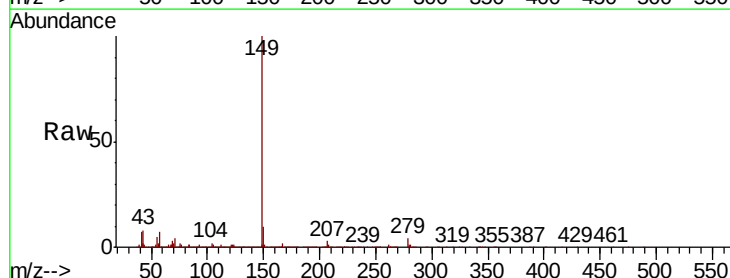
Tgt Ion:149 Resp: 4172920

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

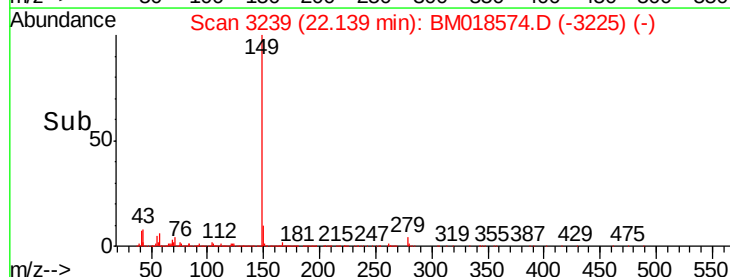
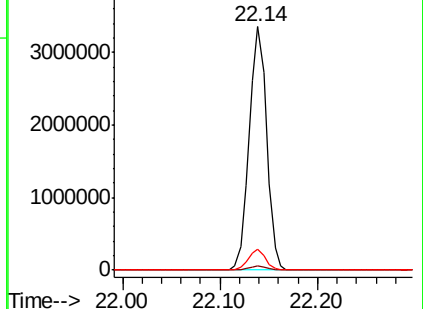
43 8.3 8.6 12.8#

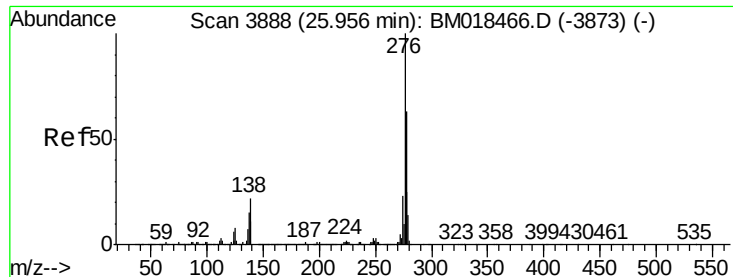


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#86

Indeno(1,2,3-cd)pyrene

Concen: 43.406 ng

RT: 25.94 min Scan# 3886

Delta R.T. -0.00 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

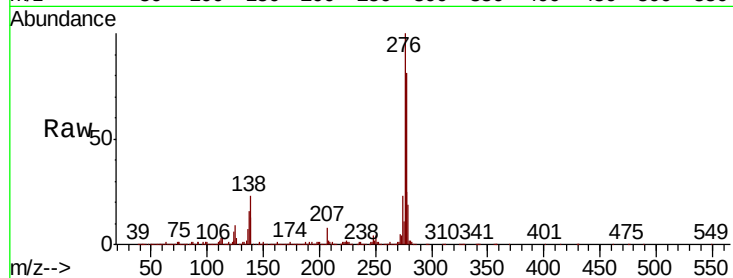
Tgt Ion:276 Resp: 4763614

Ion Ratio Lower Upper

276 100

138 23.4 21.5 32.3

277 25.3 20.2 30.2

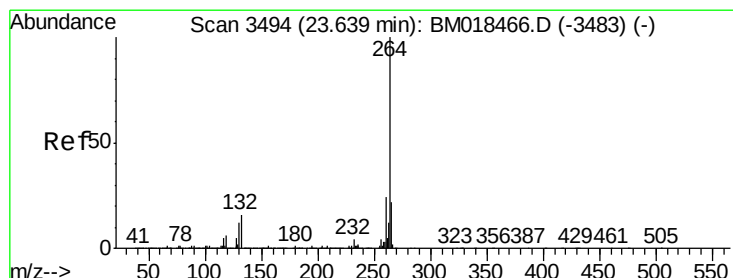
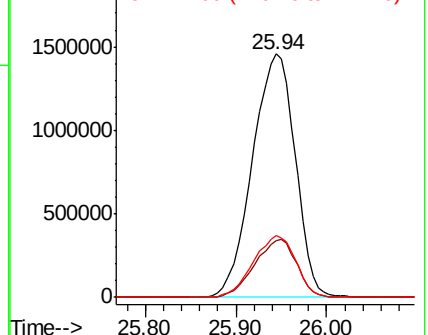
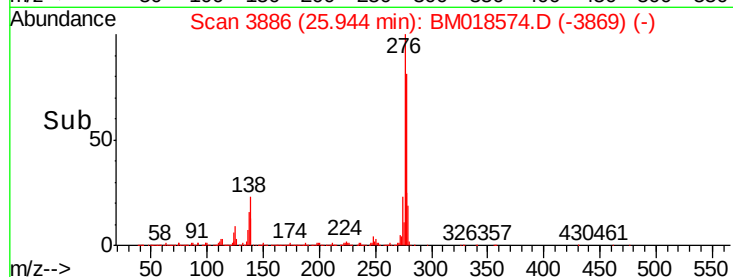


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.62 min Scan# 3491

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

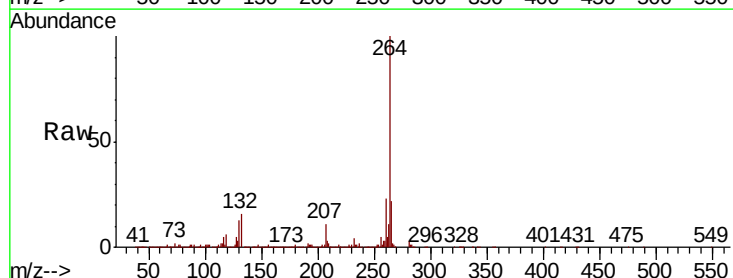
Tgt Ion:264 Resp: 1847982

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 21.8 16.8 25.2

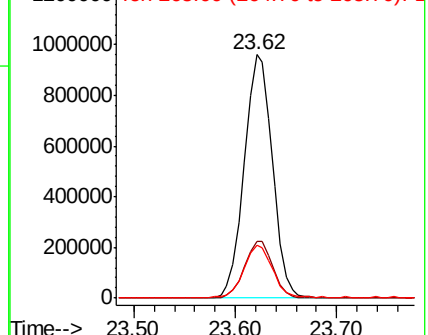
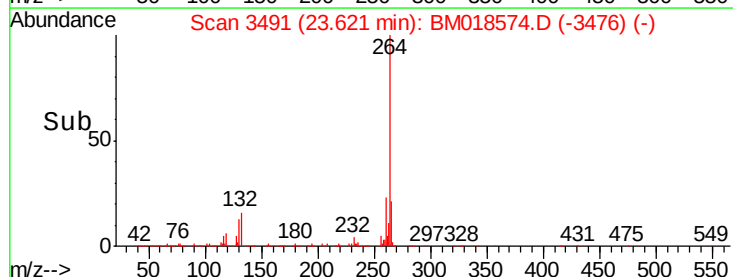


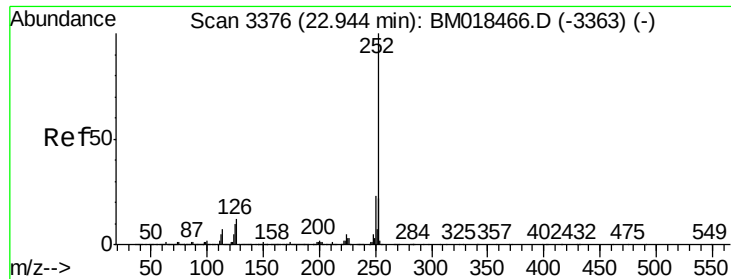
Abundance

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

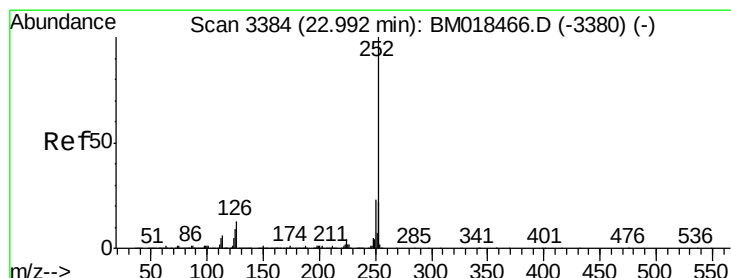
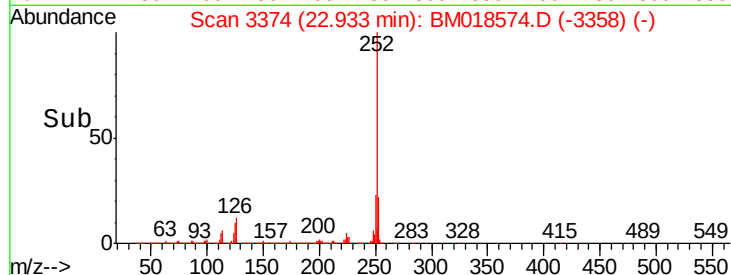
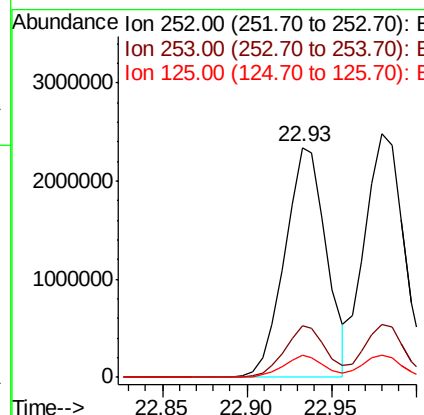
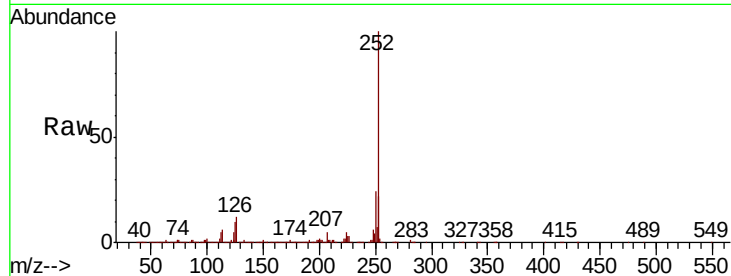




#88
Benzo(b)fluoranthene
Concen: 38.188 ng
RT: 22.93 min Scan# 3374
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

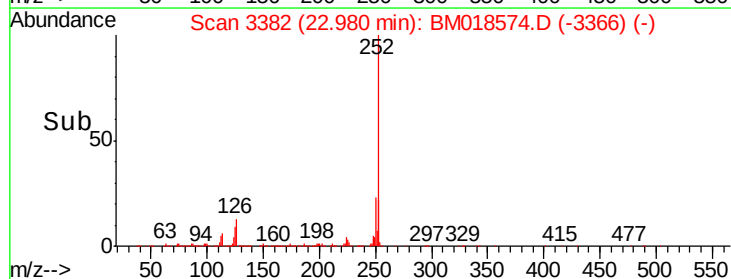
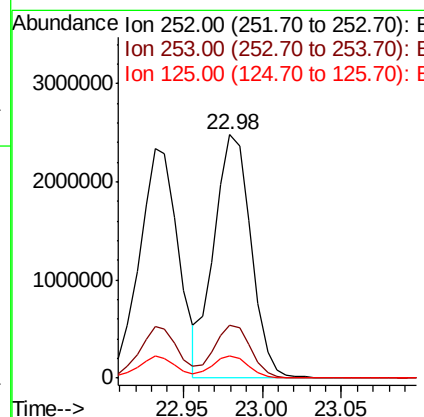
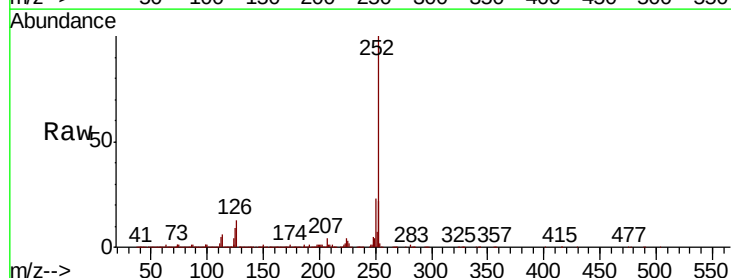
Instrument :
BNA_M
ClientSampleId :
QD-01-011019MSD

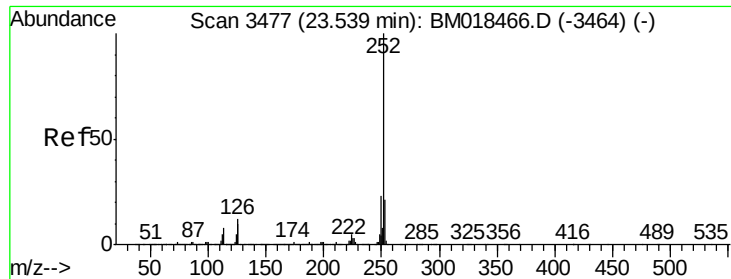
Tgt Ion:252 Resp: 4006462
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.6 8.5 12.7



#89
Benzo(k)fluoranthene
Concen: 37.912 ng
RT: 22.98 min Scan# 3382
Delta R.T. -0.01 min
Lab File: BM018574.D
Acq: 15 Jan 2019 23:05

Tgt Ion:252 Resp: 4008484
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 9.2 8.6 12.8





#90

Benzo(a)pyrene

Concen: 39.814 ng

RT: 23.53 min Scan# 3475

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD

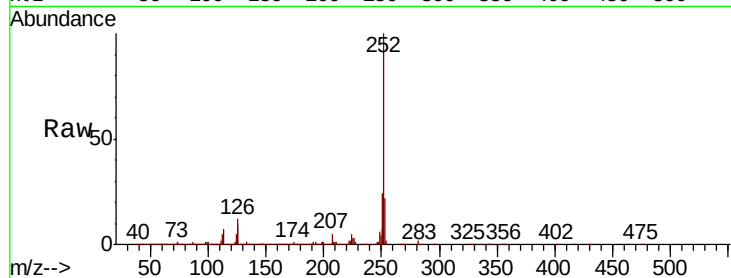
Tgt Ion:252 Resp: 3998972

Ion Ratio Lower Upper

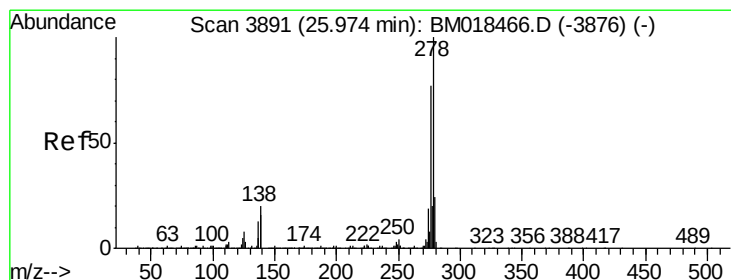
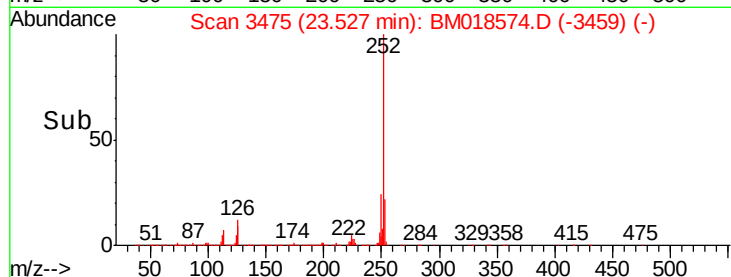
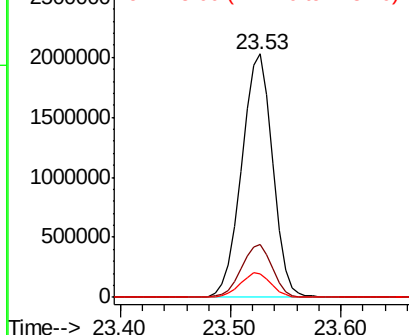
252 100

253 21.9 17.5 26.3

125 9.5 9.7 14.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 39.469 ng

RT: 25.96 min Scan# 3888

Delta R.T. -0.01 min

Lab File: BM018574.D

Acq: 15 Jan 2019 23:05

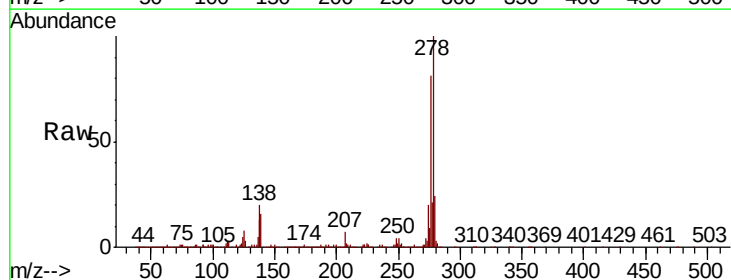
Tgt Ion:278 Resp: 4016771

Ion Ratio Lower Upper

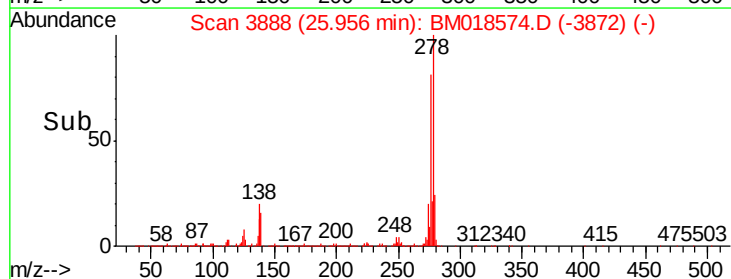
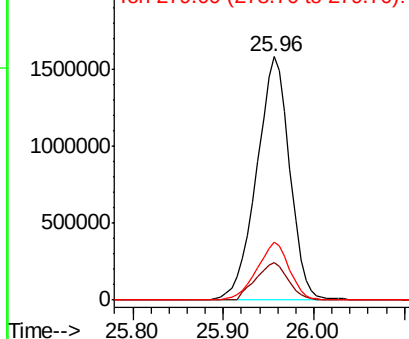
278 100

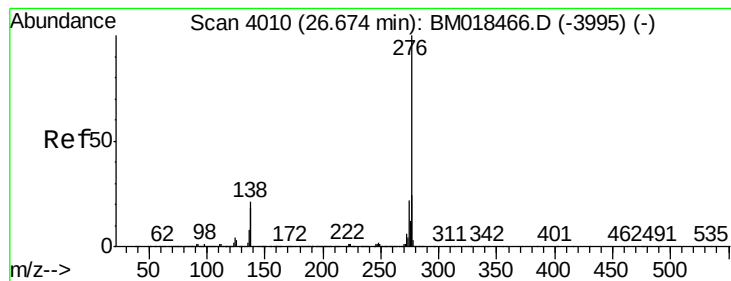
139 15.6 13.2 19.8

279 23.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 39.947 ng

RT: 26.66 min Scan# 4007

Delta R.T. -0.00 min

Lab File: BM018574.D

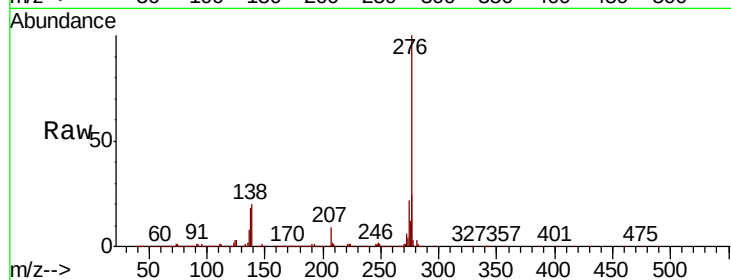
Acq: 15 Jan 2019 23:05

Instrument :

BNA_M

ClientSampleId :

QD-01-011019MSD



Tgt Ion: 276 Resp: 3956199

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 20.1 18.1 27.1

