

Data File : BM018523.D
Acq On : 10 Jan 2019 23:53
Operator : JU/SJ
Sample : K1099-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Quant Time: Jan 11 03:30:04 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	7.76	152	513198	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	2185191	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1291704	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	2937058	20.00	ng	0.00
76) Chrysene-d12	21.35	240	3109629	20.00	ng	0.00
87) Perylene-d12	23.63	264	2772224	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	3925657	141.25	ng	0.00
7) Phenol-d6	6.94	99	5278456	149.53	ng	0.00
23) Nitrobenzene-d5	8.93	82	3190844	84.65	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	2436115	148.12	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	8282672	83.67	ng	0.00
79) Terphenyl-d14	19.79	244	11771062	79.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.29	88	327203	28.885	ng	97
3) Pyridine	3.68	79	950348	33.650	ng	96
4) n-Nitrosodimethylamine	3.60	42	529949	45.379	ng	# 93
6) Aniline	7.10	93	926869	23.538	ng	99
8) 2-Chlorophenol	7.33	128	1536712	47.342	ng	96
9) Benzaldehyde	6.91	77	448589	19.160	ng	98
10) Phenol	6.97	94	1800769	50.201	ng	99
11) bis(2-Chloroethyl)ether	7.20	93	1186744	42.104	ng	94
12) 1,3-Dichlorobenzene	7.65	146	1528206	39.532	ng	99
13) 1,4-Dichlorobenzene	7.79	146	1572651	40.138	ng	99
14) 1,2-Dichlorobenzene	8.11	146	1512000	40.698	ng	99
15) Benzyl Alcohol	8.00	79	1258892	49.376	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.29	45	1512489	41.990	ng	94
17) 2-Methylphenol	8.20	107	1224517	50.290	ng	97
18) Hexachloroethane	8.83	117	568338	40.683	ng	96
19) n-Nitroso-di-n-propylamine	8.57	70	1023430	44.550	ng	95
20) 3+4-Methylphenols	8.53	107	1702212	50.641	ng	99
22) Acetophenone	8.59	105	2096307	38.780	ng	98
24) Nitrobenzene	8.97	77	1538821	41.490	ng	96
25) Isophorone	9.49	82	2866379	50.217	ng	98
26) 2-Nitrophenol	9.67	139	856598	47.765	ng	96
27) 2,4-Dimethylphenol	9.73	122	1420900	52.860	ng	99
28) bis(2-Chloroethoxy)methane	9.97	93	1757503	44.571	ng	99
29) 2,4-Dichlorophenol	10.20	162	1568651	49.007	ng	99
30) 1,2,4-Trichlorobenzene	10.41	180	1576822	39.689	ng	99
31) Naphthalene	10.60	128	4640941	44.099	ng	99
32) Benzoic acid	9.86	122	373469	24.342	ng	99
33) 4-Chloroaniline	10.73	127	433688	10.464	ng	98
34) Hexachlorobutadiene	10.87	225	955338	38.062	ng	99
35) Caprolactam	11.53	113	238381	21.905	ng	88
36) 4-Chloro-3-methylphenol	11.85	107	1645320	48.996	ng	98
37) 2-Methylnaphthalene	12.22	142	3526103	47.422	ng	99
38) 1-Methylnaphthalene	12.44	142	3355050	46.634	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.59	216	1822433	40.346	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.56	237	1941650	78.322	ng	99
43) 2,4,6-Trichlorophenol	12.83	196	1300881	47.425	ng	100
44) 2,4,5-Trichlorophenol	12.91	196	1405922	48.735	ng	98
46) 1,1'-Biphenyl	13.24	154	4553385	40.372	ng	99
47) 2-Chloronaphthalene	13.28	162	3508886	40.120	ng	99
48) 2-Nitroaniline	13.50	65	985126	45.783	ng	91
49) Acenaphthylene	14.13	152	5808932	45.576	ng	99
50) Dimethylphthalate	13.87	163	6091726	57.424	ng	99
51) 2,6-Dinitrotoluene	14.00	165	1021602	45.463	ng	94
52) Acenaphthene	14.47	154	3322529	42.604	ng	98
53) 3-Nitroaniline	14.33	138	457664	20.202	ng	94
54) 2,4-Dinitrophenol	14.53	184	782883	65.765	ng	92
55) Dibenzofuran	14.81	168	5393401	41.856	ng	98
56) 4-Nitrophenol	14.65	139	1869189	95.507	ng	95
57) 2,4-Dinitrotoluene	14.79	165	1446787	45.505	ng	98
58) Fluorene	15.46	166	4378218	45.612	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.03	232	1280677	50.084	ng	98
60) Diethylphthalate	15.24	149	4759729	44.444	ng	100
61) 4-Chlorophenyl-phenylether	15.46	204	2260321	40.857	ng	97
62) 4-Nitroaniline	15.50	138	983187	39.788	ng	99
63) Azobenzene	15.75	77	3742879	42.866	ng	96
65) 4,6-Dinitro-2-methylphenol	15.55	198	667410	37.039	ng	88
66) n-Nitrosodiphenylamine	15.67	169	3950599	43.363	ng	99
67) 4-Bromophenyl-phenylether	16.35	248	1390672	42.312	ng	98
68) Hexachlorobenzene	16.45	284	1527761	41.521	ng	99
69) Atrazine	16.63	200	1468219	44.577	ng	99
70) Pentachlorophenol	16.80	266	2009265	83.380	ng	100
71) Phenanthrene	17.20	178	7018539	44.927	ng	100
72) Anthracene	17.29	178	7126947	47.442	ng	100
73) Carbazole	17.57	167	6612835	42.846	ng	99
74) Di-n-butylphthalate	18.12	149	8122534	48.046	ng	99
75) Fluoranthene	19.22	202	8374568	46.497	ng	97
77) Benzidine	19.42	184	3835940	49.959	ng	99
78) Pyrene	19.59	202	8533502	46.296	ng	99
80) Butylbenzylphthalate	20.49	149	3932455	49.998	ng	97
81) Benzo(a)anthracene	21.34	228	8380397	45.746	ng	100
82) 3,3'-Dichlorobenzidine	21.27	252	1441815	20.813	ng	100
83) Chrysene	21.39	228	7819034	44.200	ng	99
84) Bis(2-ethylhexyl)phthalate	21.26	149	5647571	49.726	ng	98
85) Di-n-octyl phthalate	22.15	149	9644289	50.488	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.96	276	7212549	35.358	ng	96
88) Benzo(b)fluoranthene	22.95	252	7490942	47.596	ng	98
89) Benzo(k)fluoranthene	22.99	252	7461268	47.042	ng	98
90) Benzo(a)pyrene	23.54	252	7044580	46.754	ng	98
91) Dibenzo(a,h)anthracene	25.97	278	6079553	39.822	ng	98
92) Benzo(g,h,i)perylene	26.68	276	5778195	38.893	ng	97

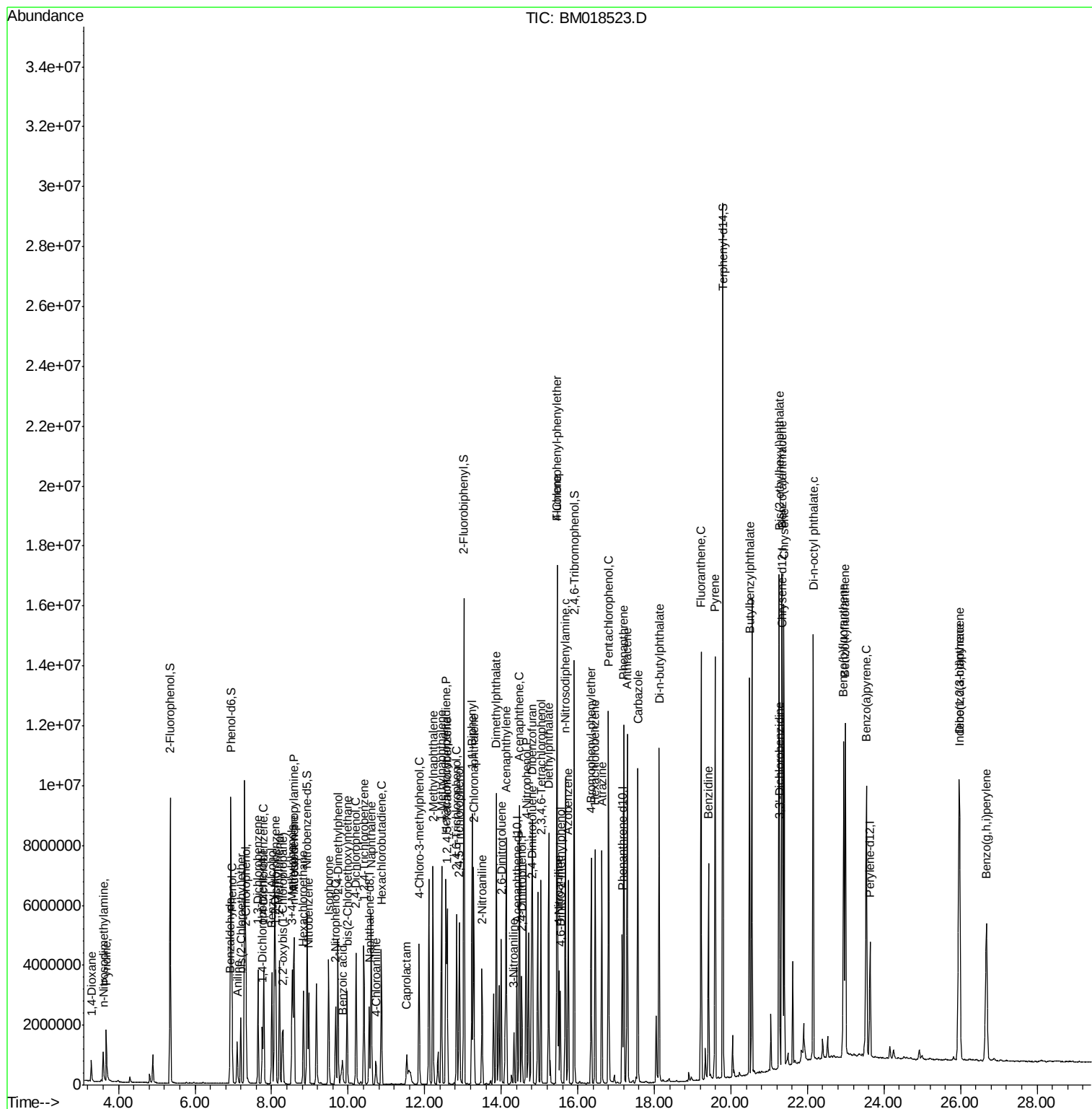
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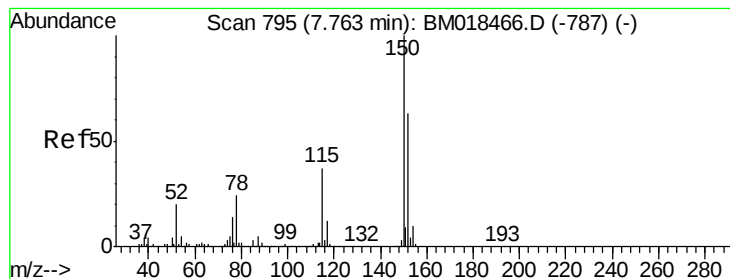
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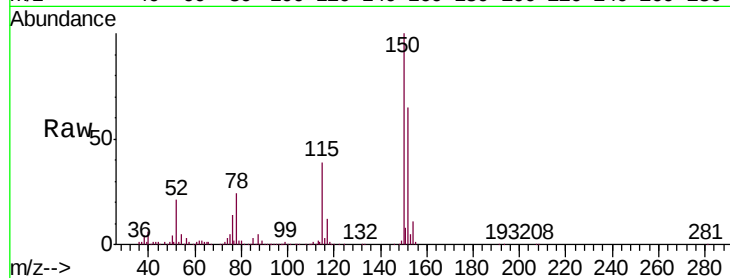


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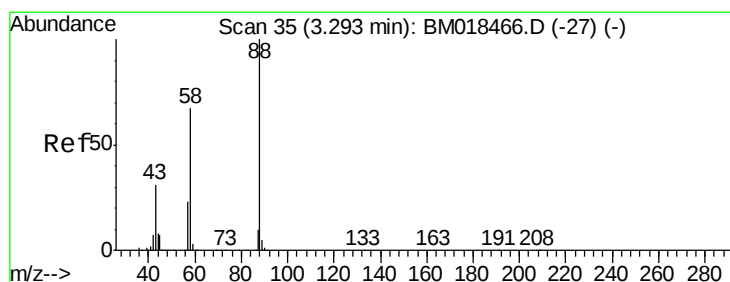
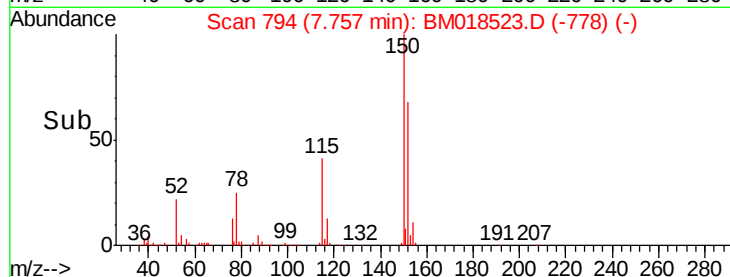
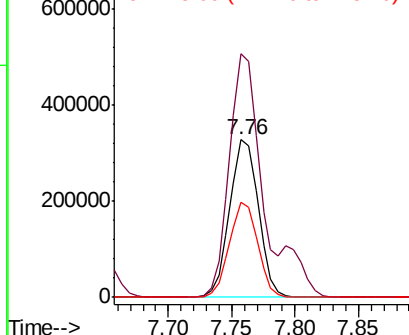
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.9	190.3
115	60.2	45.5	68.3



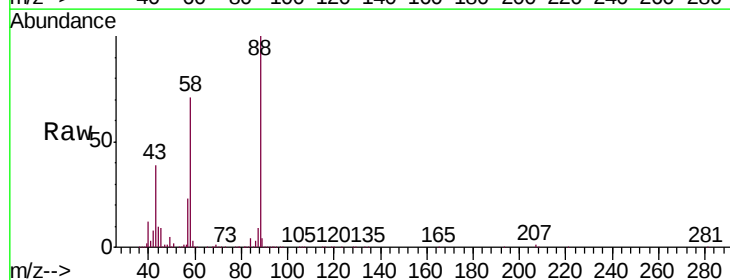
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



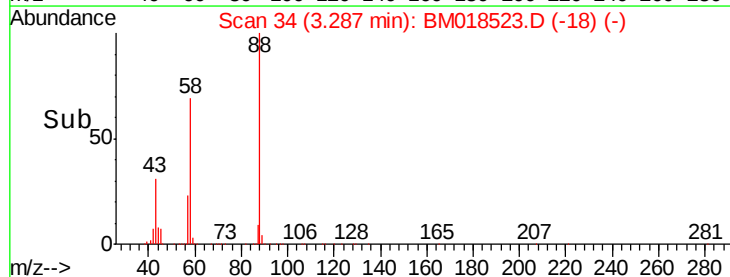
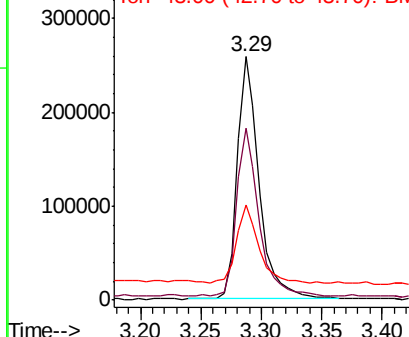
#2

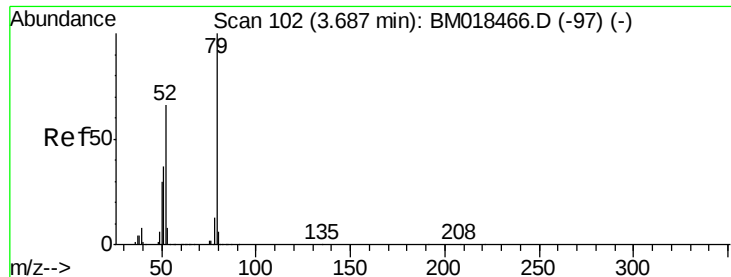
1,4-Dioxane
 Concen: 28.885 ng
 RT: 3.29 min Scan# 34
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.1	58.4	87.6
43	32.2	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: 33.650 ng

RT: 3.68 min Scan# 101

Delta R.T. -0.03 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

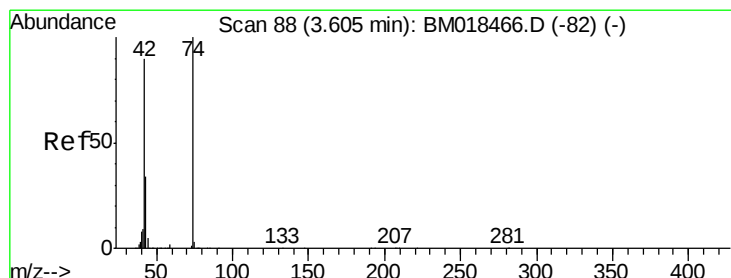
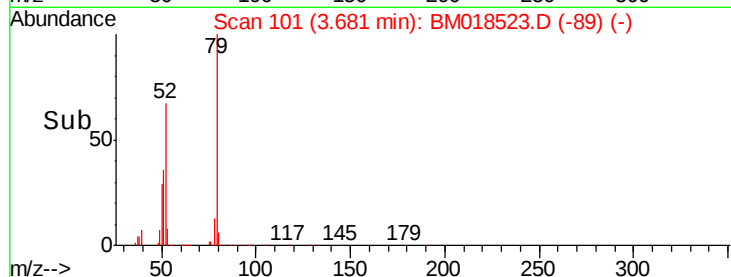
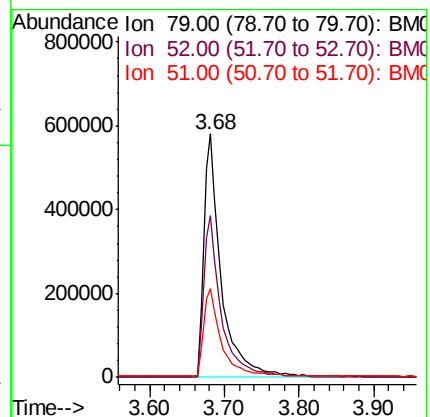
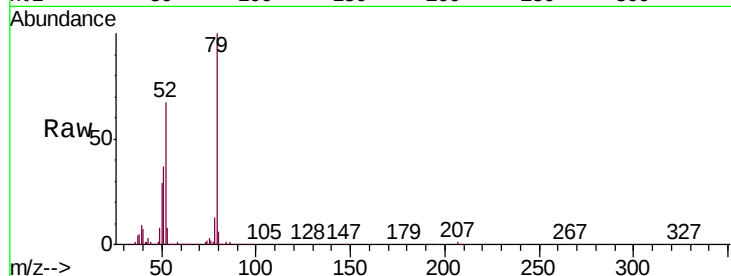
Tgt Ion: 79 Resp: 950348

Ion Ratio Lower Upper

79 100

52 66.7 56.4 84.6

51 36.6 31.0 46.4



#4

n-Nitrosodimethylamine

Concen: 45.379 ng

RT: 3.60 min Scan# 88

Delta R.T. -0.02 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

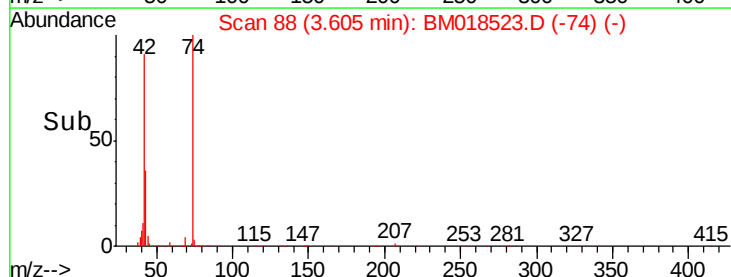
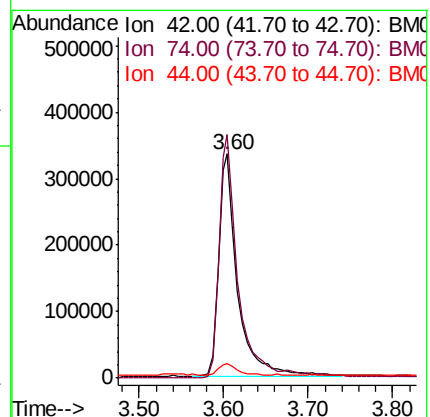
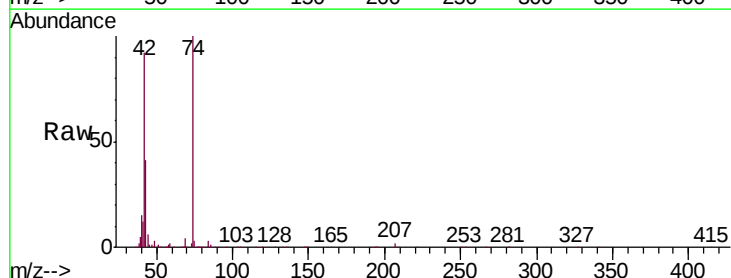
Tgt Ion: 42 Resp: 529949

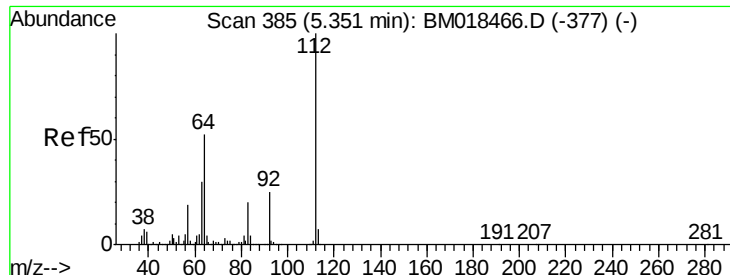
Ion Ratio Lower Upper

42 100

74 108.7 88.6 132.8

44 6.2 16.9 25.3#





#5

2-Fluorophenol

Concen: 141.246 ng

RT: 5.35 min Scan# 385

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

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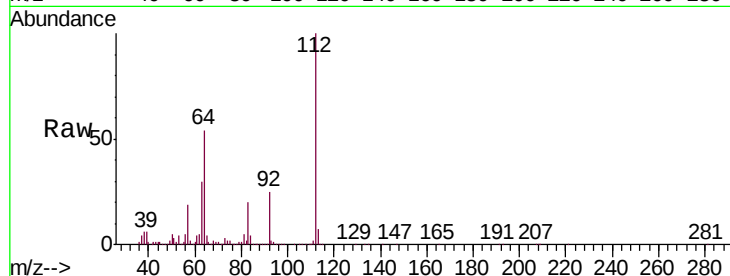
Tgt Ion: 112 Resp: 3925657

Ion Ratio Lower Upper

112 100

64 54.3 46.5 69.7

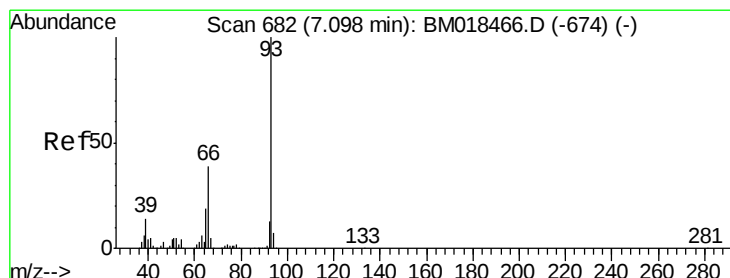
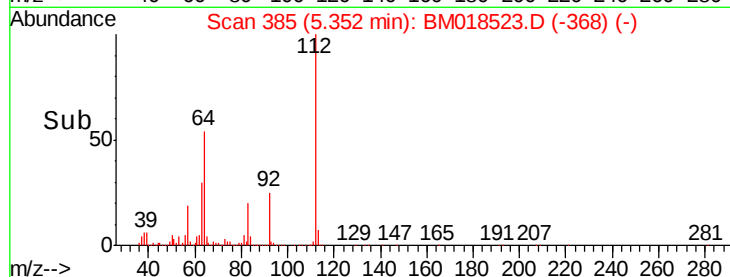
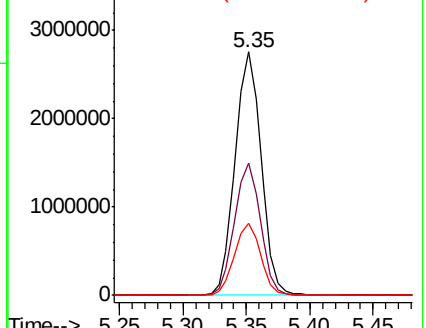
63 29.8 25.2 37.8



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: 23.538 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

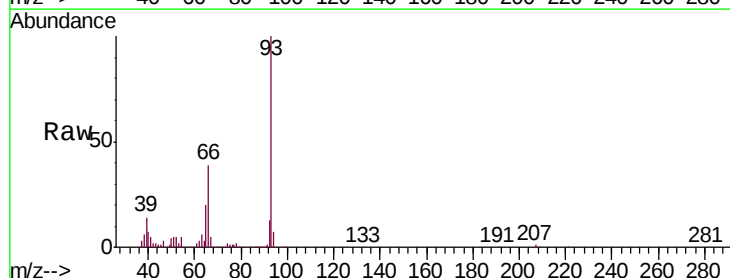
Tgt Ion: 93 Resp: 926869

Ion Ratio Lower Upper

93 100

66 38.7 31.7 47.5

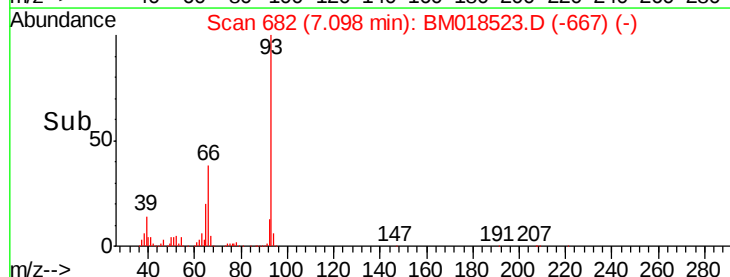
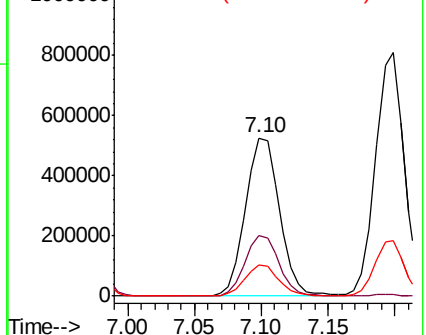
65 20.0 15.9 23.9

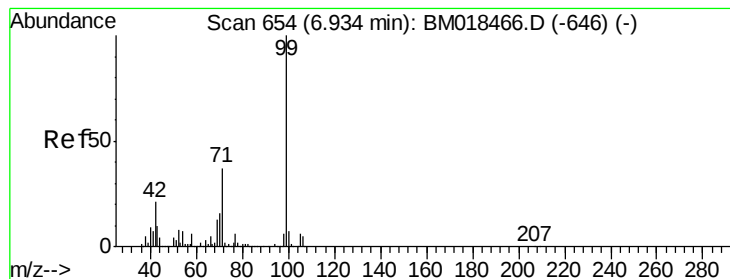


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 149.529 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018523.D

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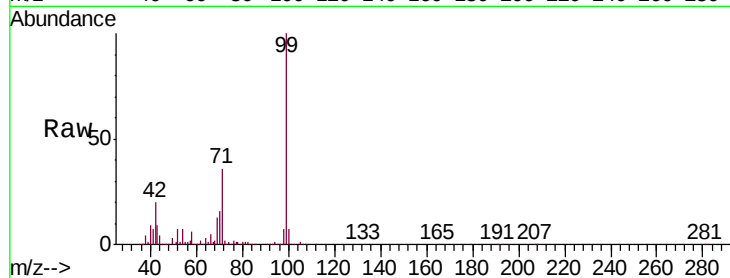
Tgt Ion: 99 Resp: 5278456

Ion Ratio Lower Upper

99 100

42 19.7 17.3 25.9

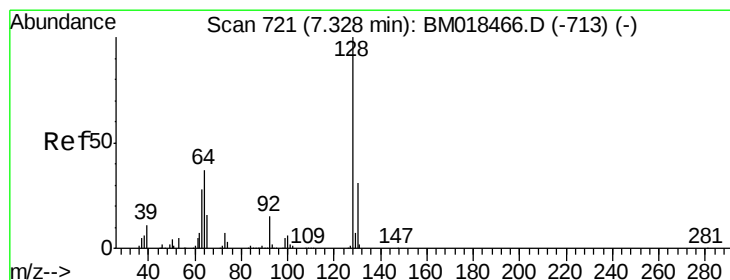
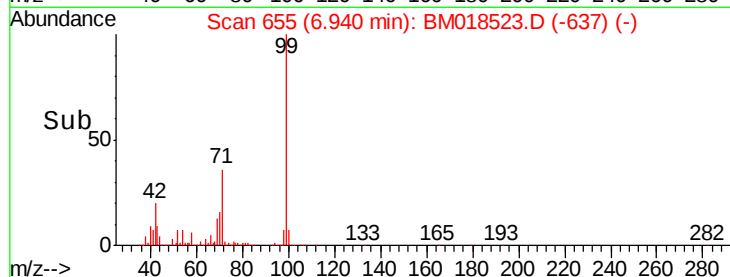
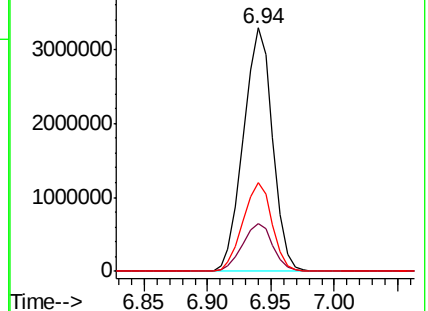
71 36.3 28.0 42.0



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: 47.342 ng

RT: 7.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

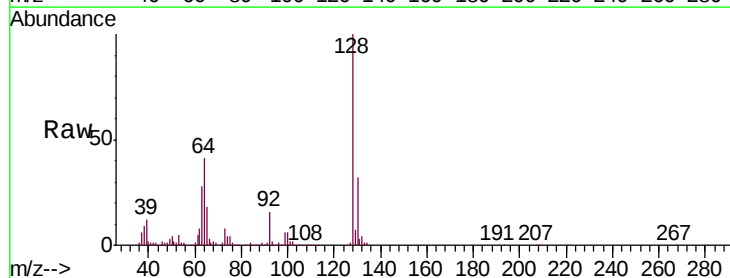
Tgt Ion: 128 Resp: 1536712

Ion Ratio Lower Upper

128 100

130 32.0 13.6 53.6

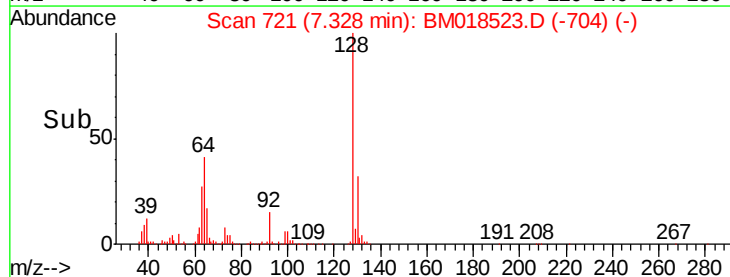
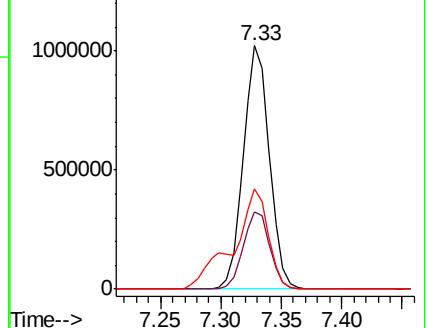
64 41.1 24.8 64.8

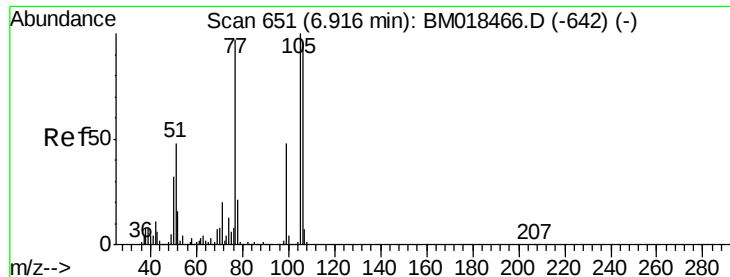


Abundance Ion 128.00 (127.70 to 128.70): BM018466.D (-713) (-)

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: 19.160 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.00 min

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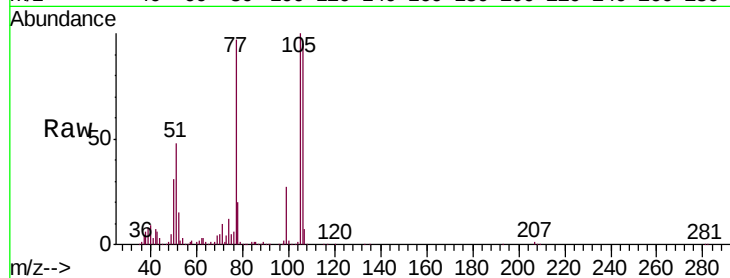
Tgt Ion: 77 Resp: 448589

Ion Ratio Lower Upper

77 100

105 102.6 79.7 119.7

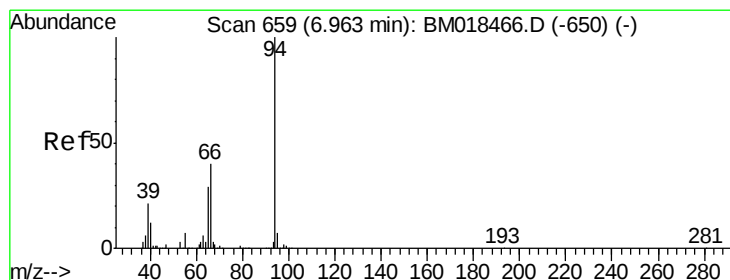
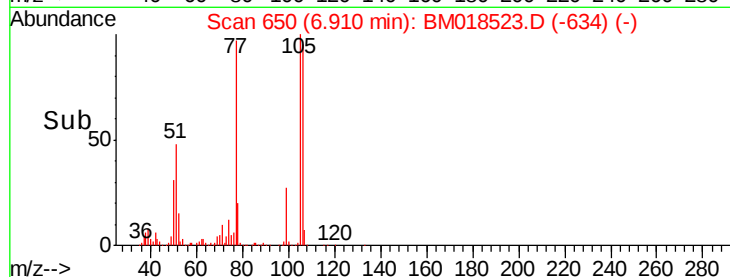
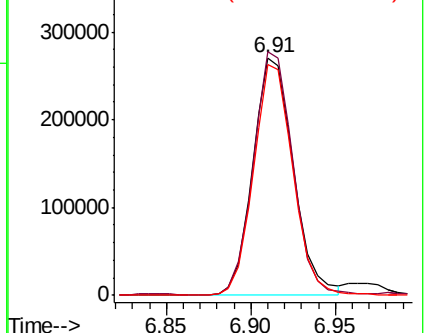
106 97.2 75.2 115.2



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: 50.201 ng

RT: 6.97 min Scan# 660

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

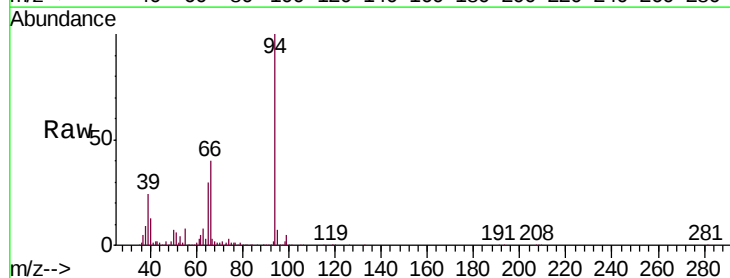
Tgt Ion: 94 Resp: 1800769

Ion Ratio Lower Upper

94 100

65 29.5 9.4 49.4

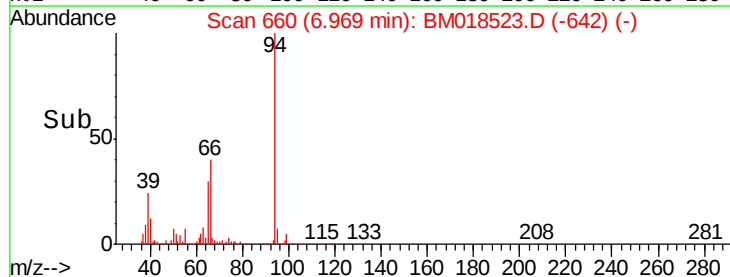
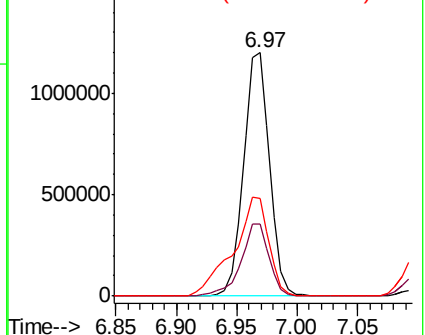
66 40.0 19.1 59.1

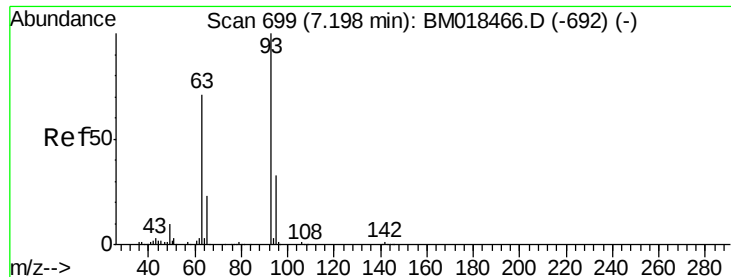


Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

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

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

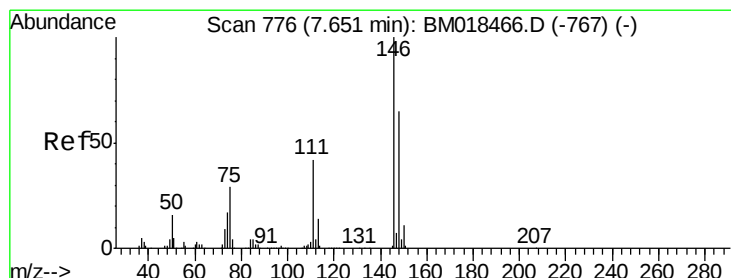
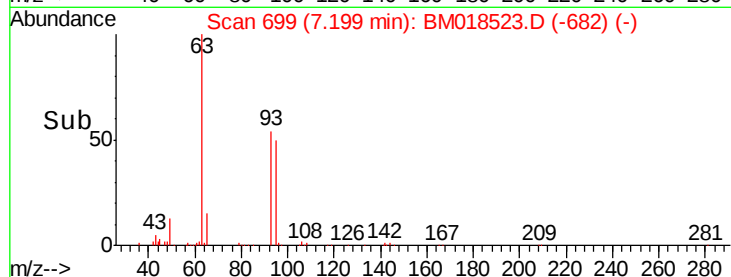
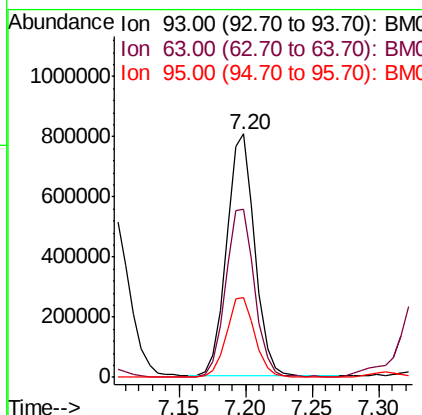
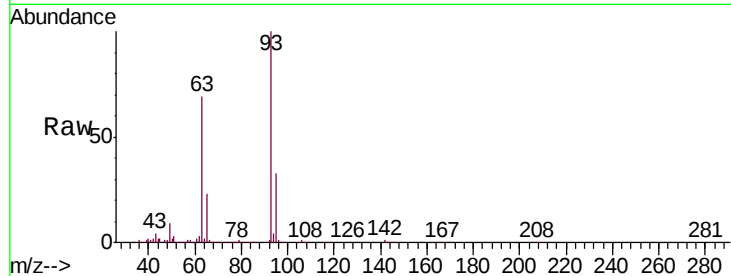




#11
bis(2-Chloroethyl)ether
Concen: 42.104 ng
RT: 7.20 min Scan# 699
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

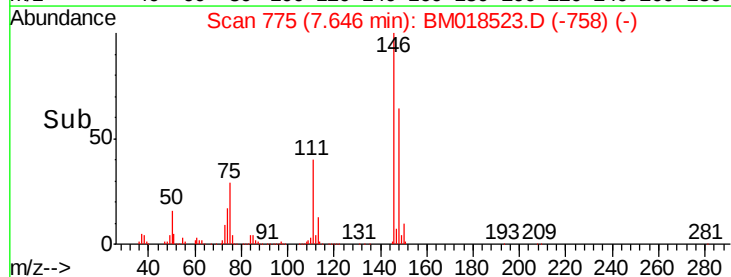
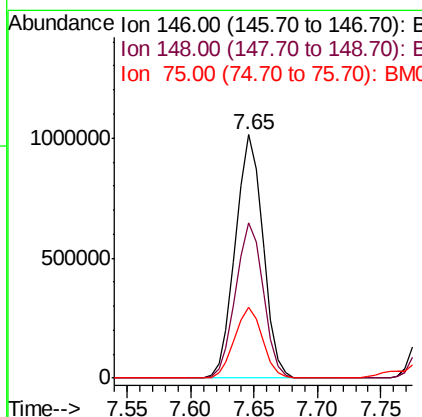
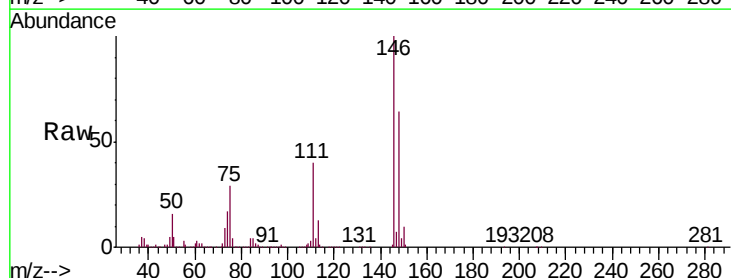
Instrument :
BNA_M
ClientSampled :
TP-16MSD

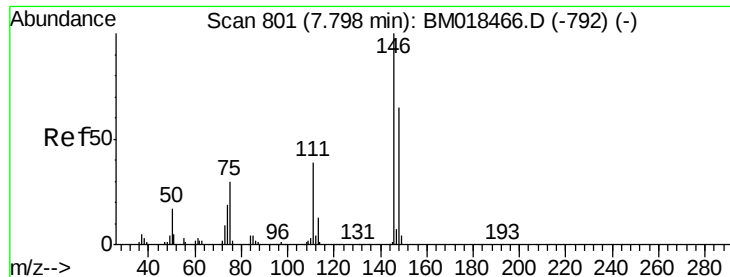
Tgt Ion: 93 Resp: 1186744
Ion Ratio Lower Upper
93 100
63 69.2 56.4 96.4
95 32.8 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 39.532 ng
RT: 7.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion: 146 Resp: 1528206
Ion Ratio Lower Upper
146 100
148 63.6 50.5 75.7
75 29.2 23.0 34.6

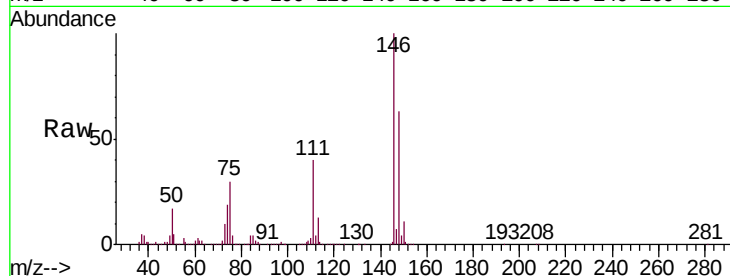




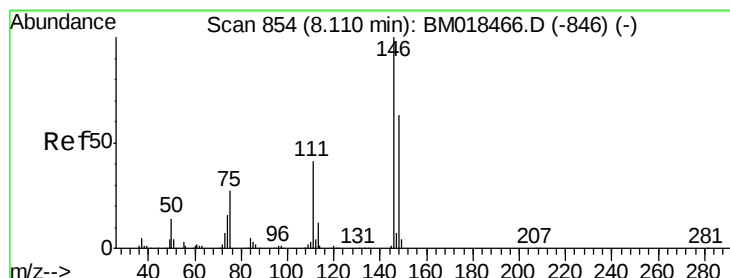
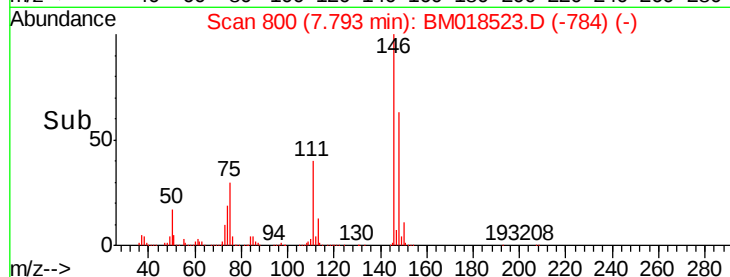
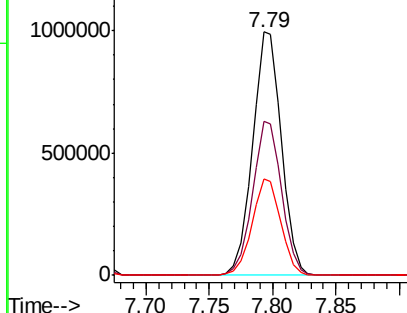
#13
 1,4-Dichlorobenzene
 Concen: 40.138 ng
 RT: 7.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampled :
 TP-16MSD

Tgt Ion:146 Resp: 1572651
 Ion Ratio Lower Upper
 146 100
 148 63.1 50.8 76.2
 111 39.6 32.2 48.2

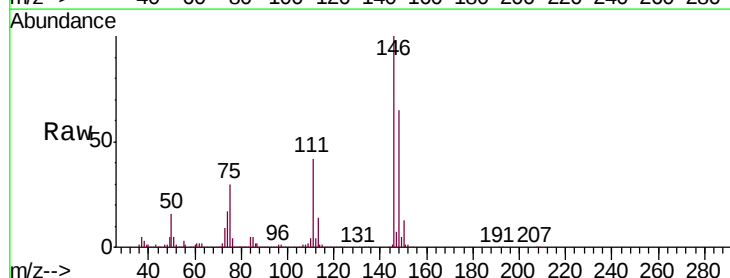


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

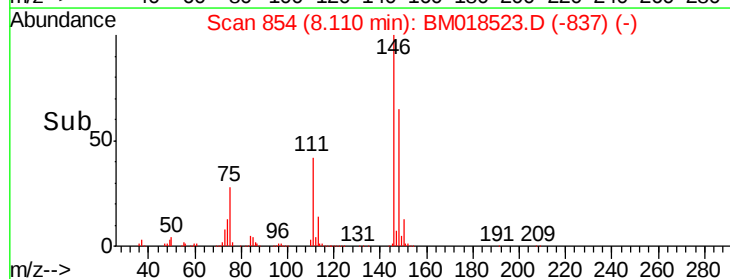
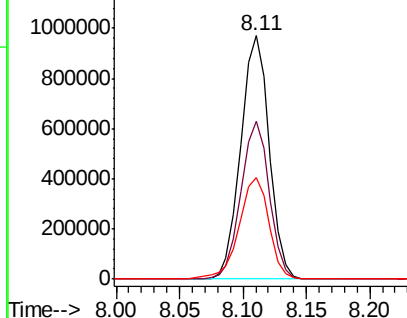


#14
 1,2-Dichlorobenzene
 Concen: 40.698 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:146 Resp: 1512000
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.0 76.6
 111 41.8 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: 49.376 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

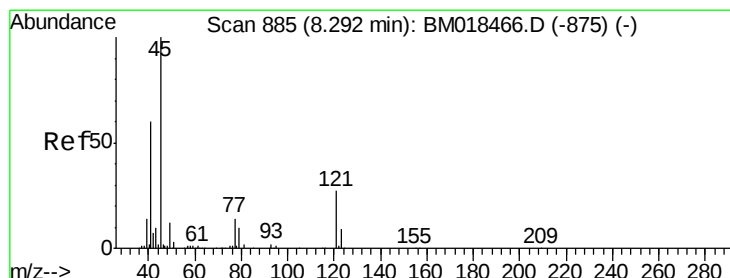
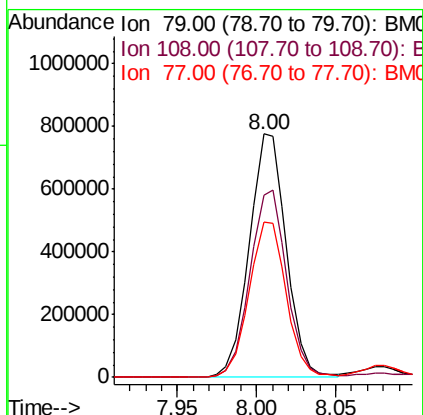
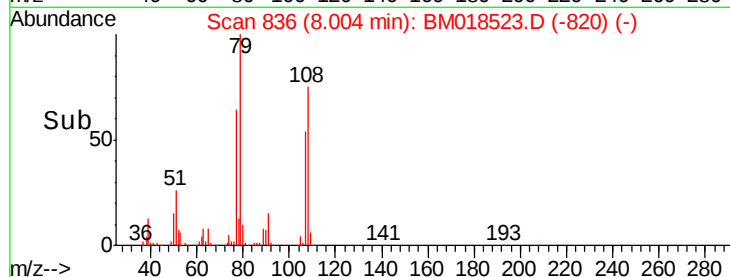
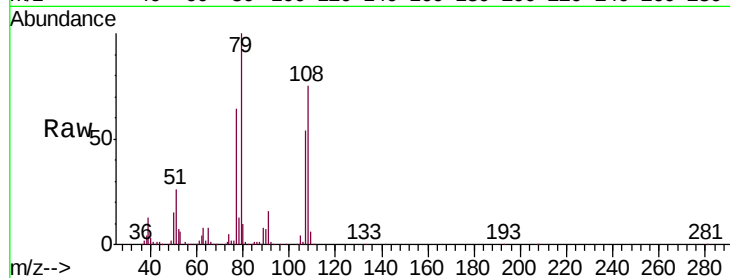
Tgt Ion: 79 Resp: 1258892

Ion Ratio Lower Upper

79 100

108 74.8 60.4 90.6

77 63.6 53.4 80.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.990 ng

RT: 8.29 min Scan# 885

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

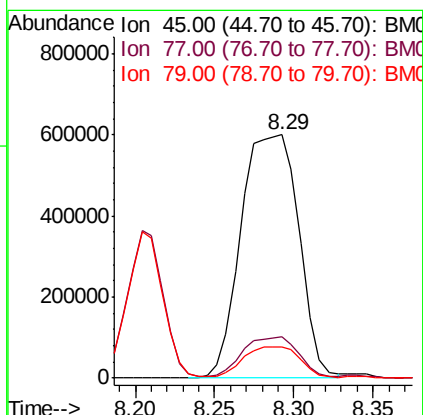
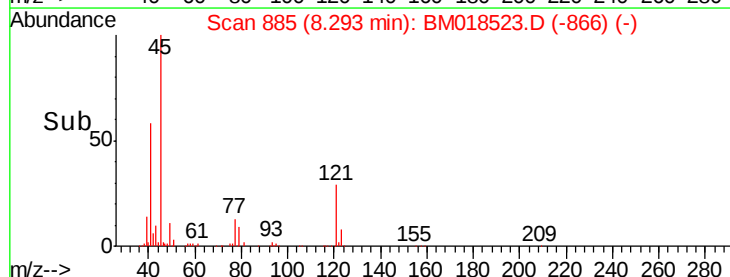
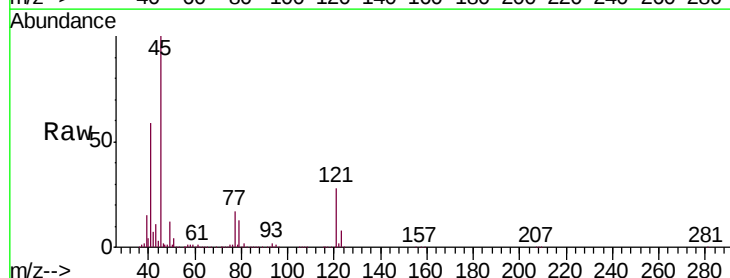
Tgt Ion: 45 Resp: 1512489

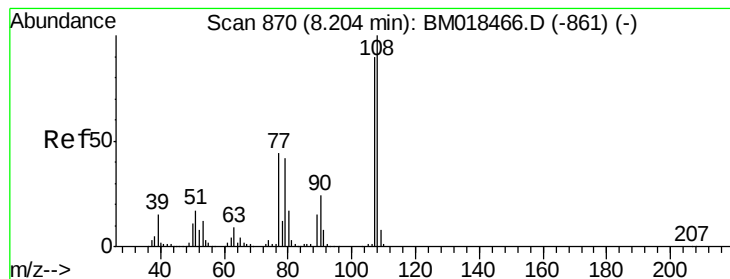
Ion Ratio Lower Upper

45 100

77 16.8 0.0 33.4

79 12.7 0.0 31.1





#17

2-Methylphenol

Concen: 50.290 ng

RT: 8.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

Tgt Ion:107 Resp: 1224517

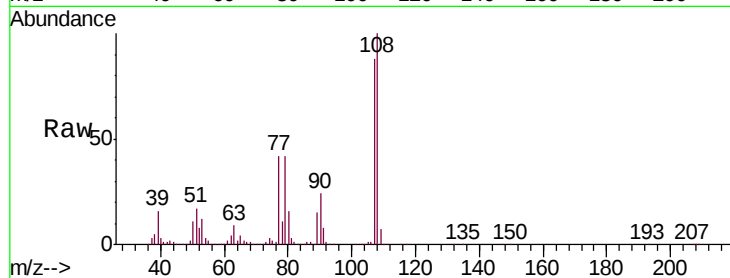
Ion Ratio Lower Upper

107 100

108 113.8 87.5 131.3

77 47.7 37.3 55.9

79 47.3 36.4 54.6

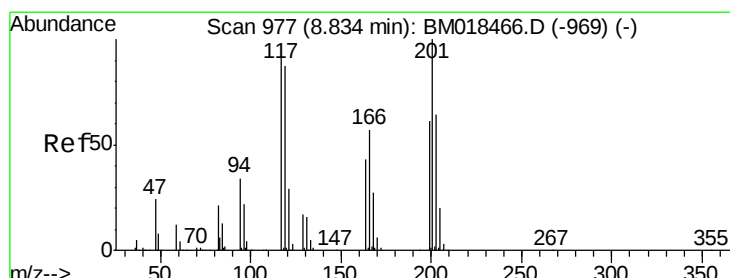
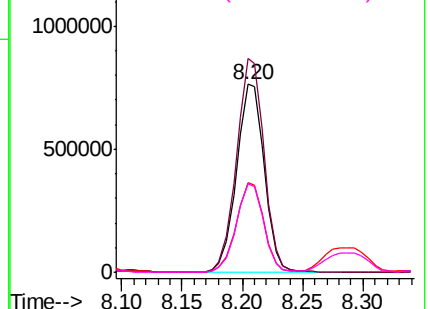
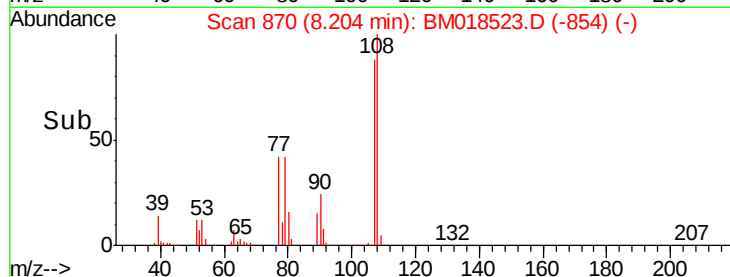


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 40.683 ng

RT: 8.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

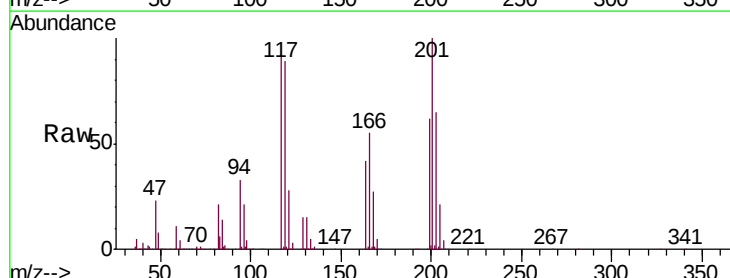
Tgt Ion:117 Resp: 568338

Ion Ratio Lower Upper

117 100

119 96.4 78.3 117.5

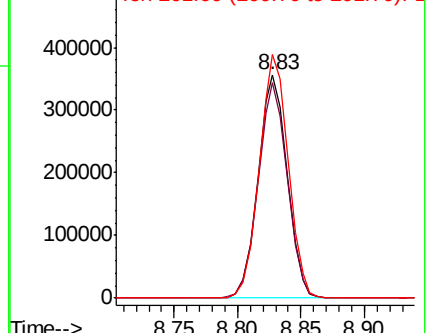
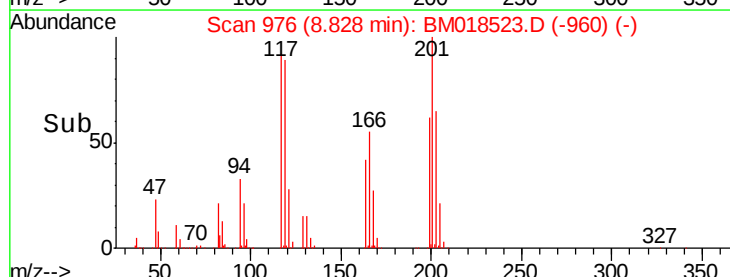
201 108.9 81.4 122.0

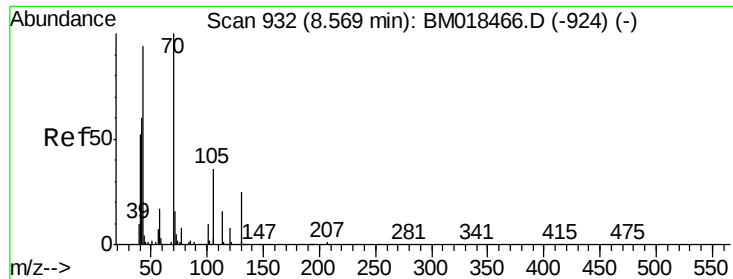


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

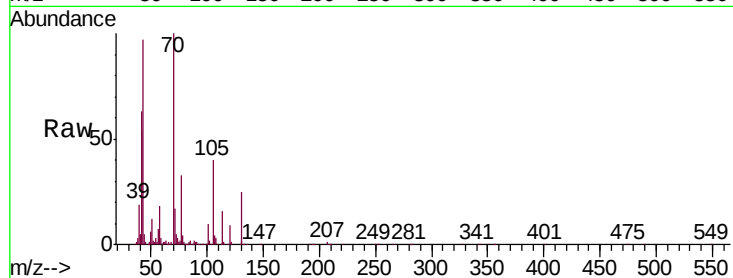




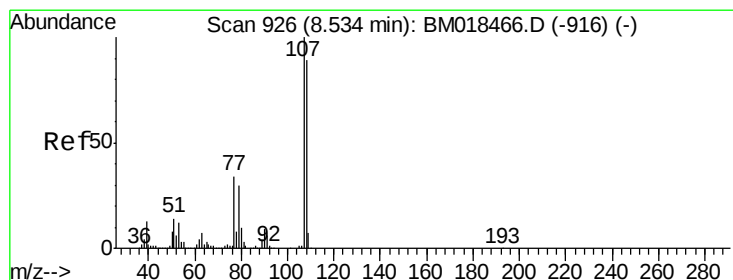
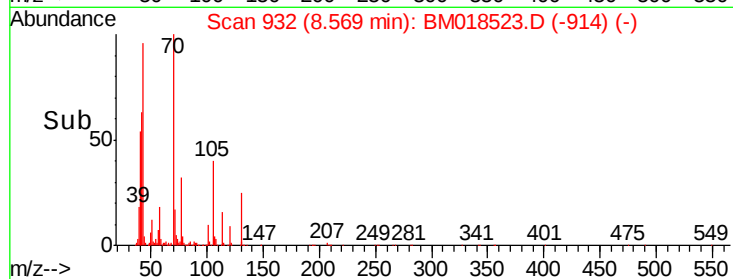
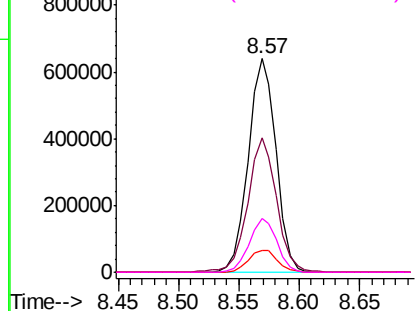
#19
n-Nitroso-di-n-propylamine
Concen: 44.550 ng
RT: 8.57 min Scan# 932
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Tgt Ion: 70 Resp: 1023430
Ion Ratio Lower Upper
70 100
42 62.7 54.0 81.0
101 10.5 8.1 12.1
130 24.9 17.8 26.6

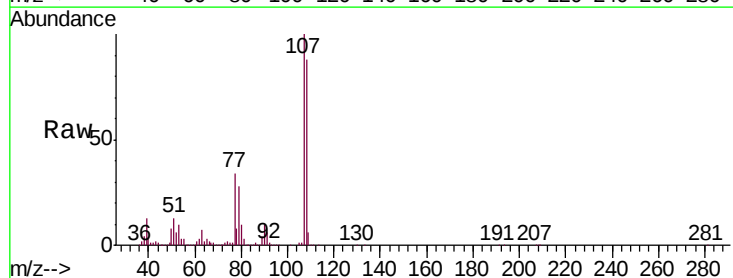


Abundance Ion 70.00 (69.70 to 70.70): BM018466.D (-924) (-)
Ion 42.00 (41.70 to 42.70): BM018466.D (-924) (-)
Ion 101.00 (100.70 to 101.70): BM018466.D (-924) (-)
Ion 130.00 (129.70 to 130.70): BM018466.D (-924) (-)

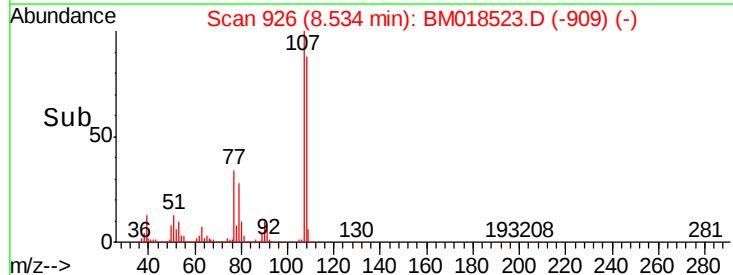
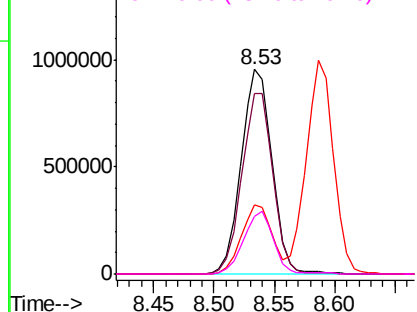


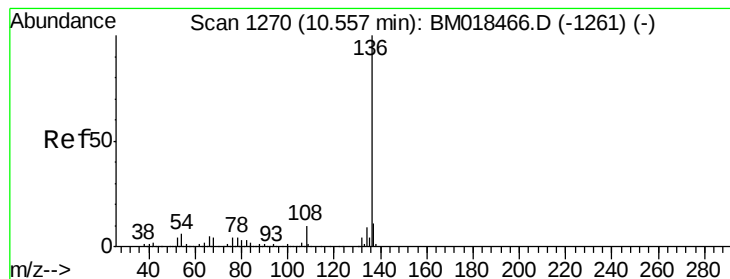
#20
3+4-Methylphenols
Concen: 50.641 ng
RT: 8.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion: 107 Resp: 1702212
Ion Ratio Lower Upper
107 100
108 88.4 66.8 106.8
77 33.9 13.3 53.3
79 28.4 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# 1269

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

Tgt Ion:136 Resp: 2185191

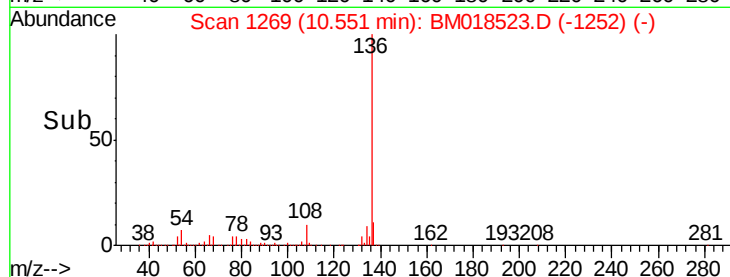
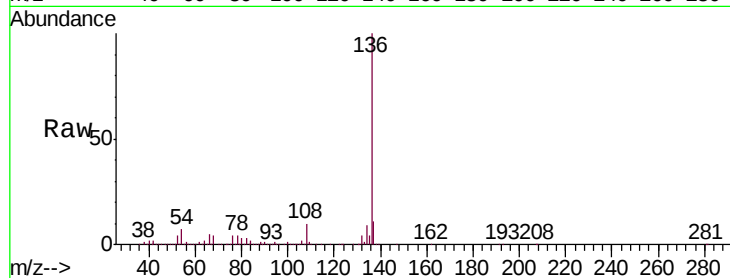
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.6 6.0 9.0

68 4.3 4.5 6.7#

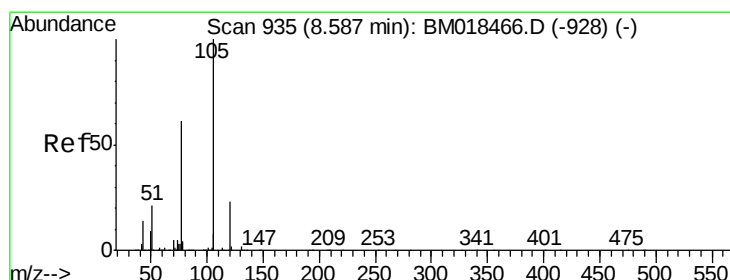
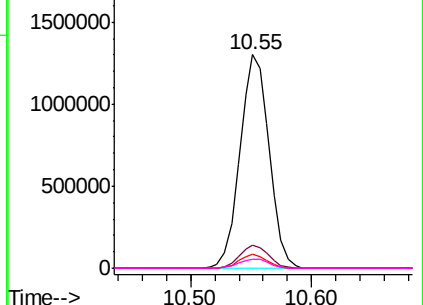


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.780 ng

RT: 8.59 min Scan# 935

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Tgt Ion:105 Resp: 2096307

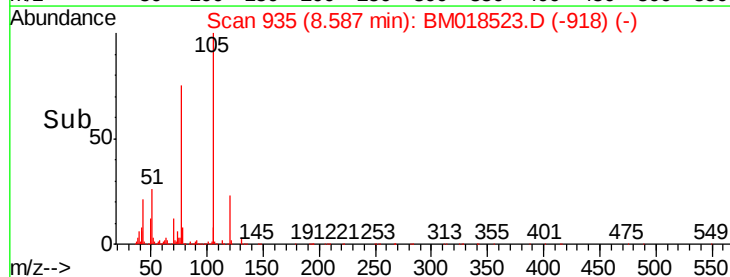
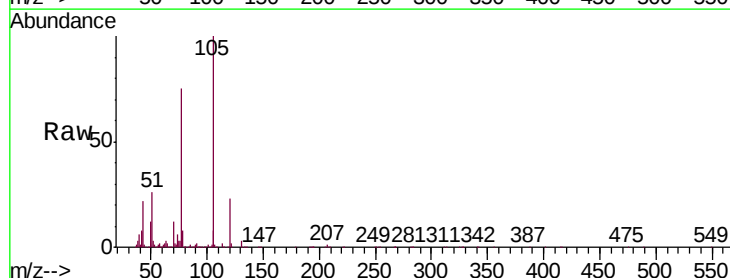
Ion Ratio Lower Upper

105 100

71 2.0 1.7 2.5

51 26.5 22.6 34.0

120 22.9 18.3 27.5

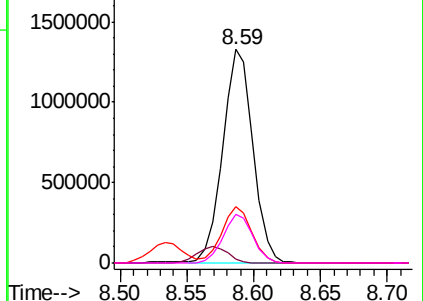


Abundance Ion 105.00 (104.70 to 105.70): E

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

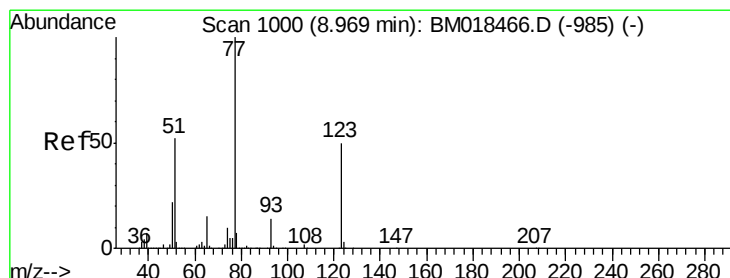
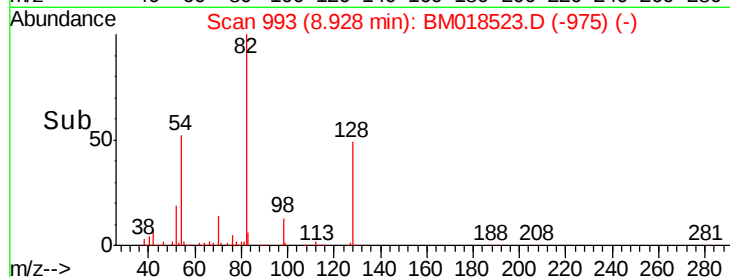
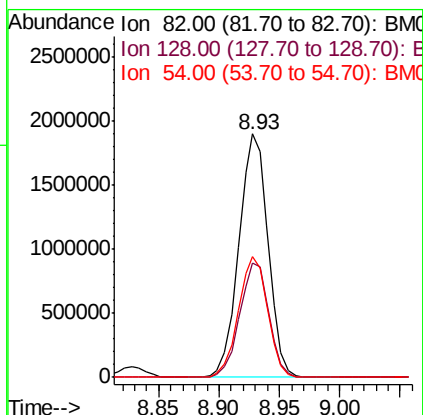
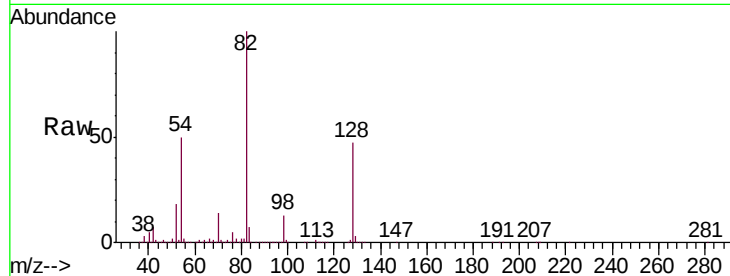




#23
 Nitrobenzene-d5
 Concen: 84.650 ng
 RT: 8.93 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

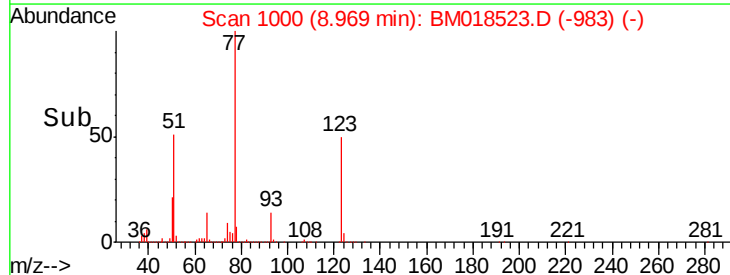
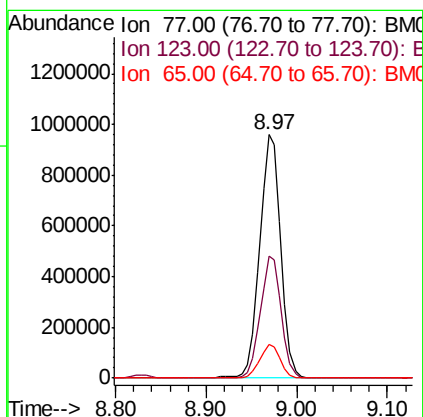
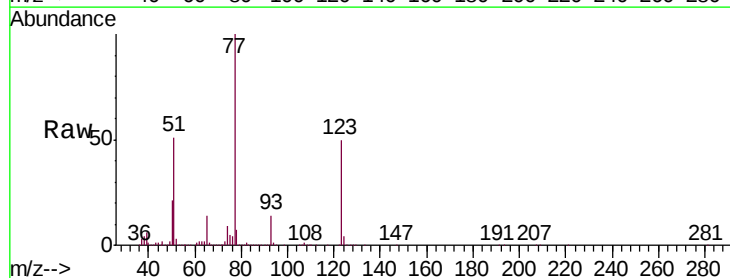
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

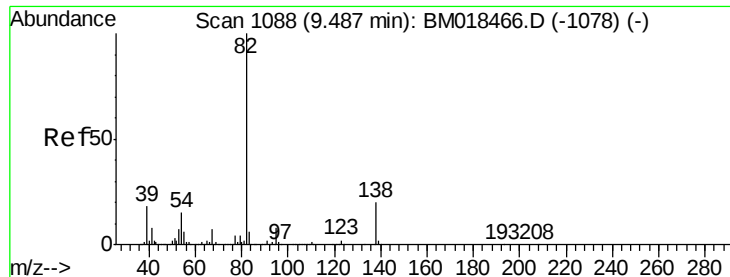
Tgt Ion: 82 Resp: 3190844
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.3 54.5
 54 49.9 41.7 62.5



#24
 Nitrobenzene
 Concen: 41.490 ng
 RT: 8.97 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion: 77 Resp: 1538821
 Ion Ratio Lower Upper
 77 100
 123 50.1 37.7 56.5
 65 13.6 11.0 16.6

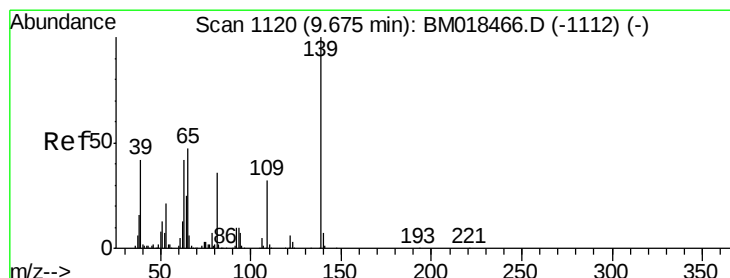
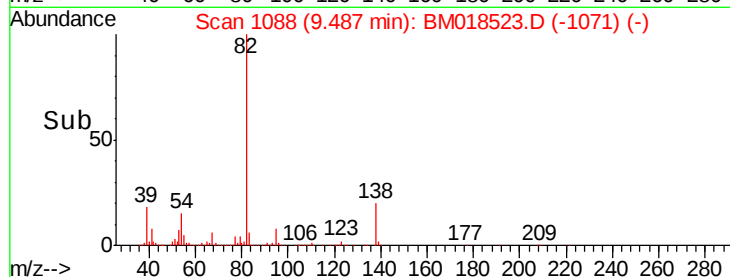
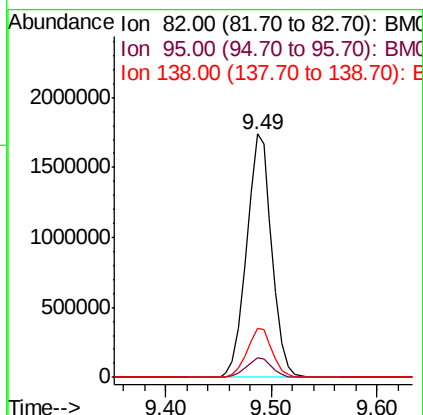
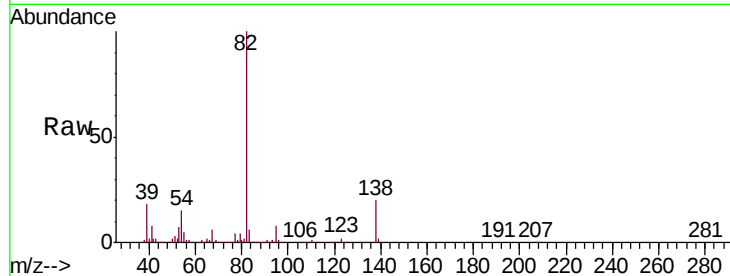




#25
Isophorone
Concen: 50.217 ng
RT: 9.49 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

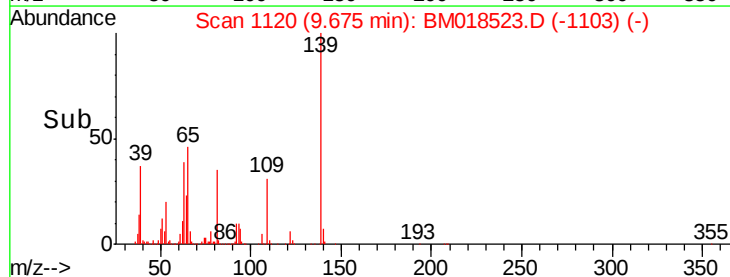
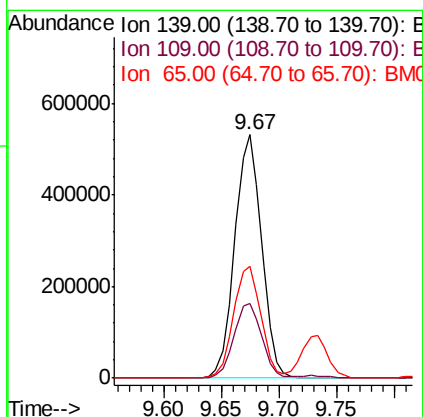
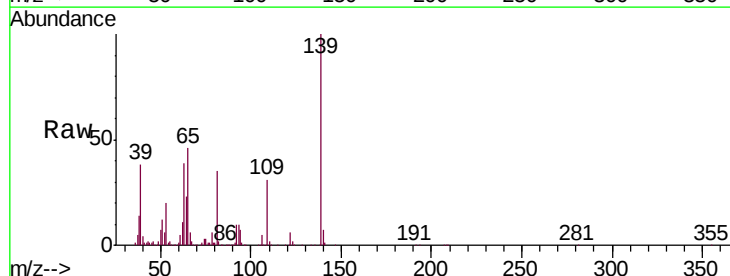
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Tgt Ion: 82 Resp: 2866379
Ion Ratio Lower Upper
82 100
95 8.1 6.1 9.1
138 20.0 15.1 22.7



#26
2-Nitrophenol
Concen: 47.765 ng
RT: 9.67 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion: 139 Resp: 856598
Ion Ratio Lower Upper
139 100
109 30.9 23.4 35.2
65 45.7 39.4 59.2

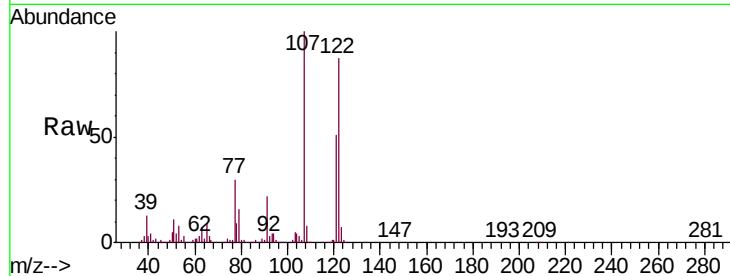




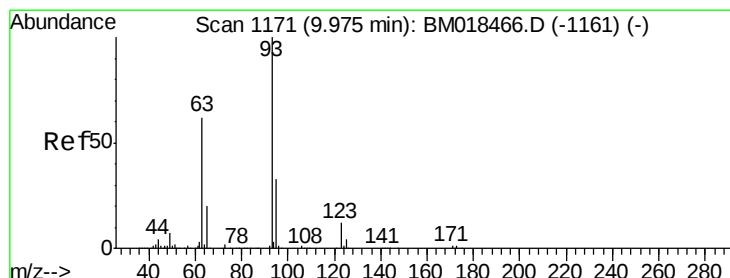
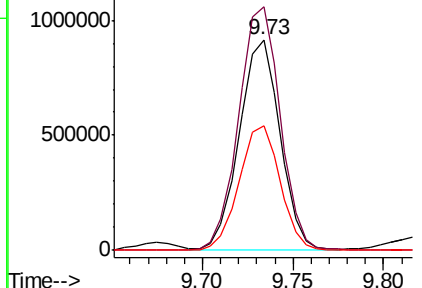
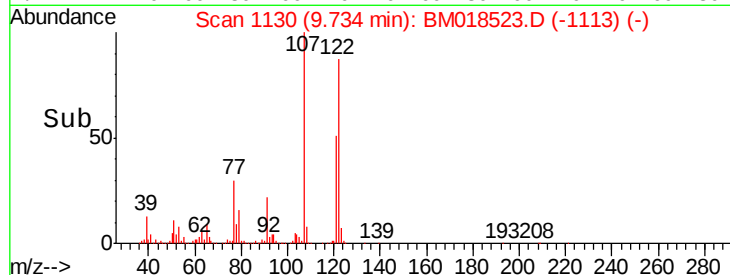
#27
 2,4-Dimethylphenol
 Concen: 52.860 ng
 RT: 9.73 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampled :
 TP-16MSD

Tgt Ion:122 Resp: 1420900
 Ion Ratio Lower Upper
 122 100
 107 115.5 91.9 137.9
 121 59.1 47.5 71.3

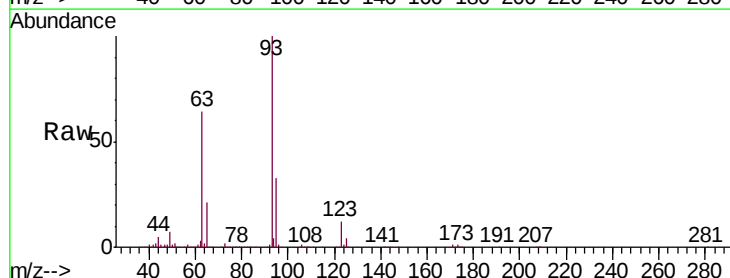


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

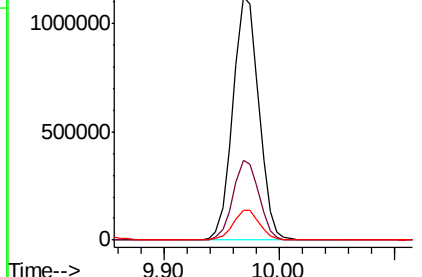
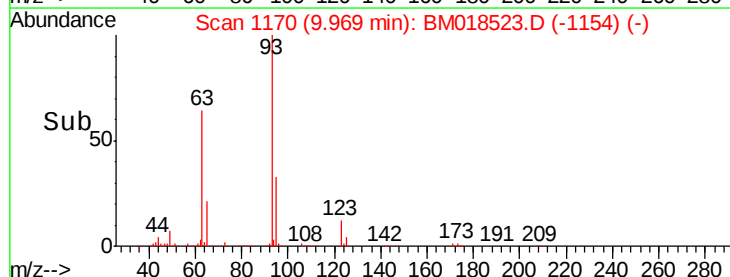


#28
 bis(2-Chloroethoxy)methane
 Concen: 44.571 ng
 RT: 9.97 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion: 93 Resp: 1757503
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.6 39.8
 123 12.3 9.9 14.9



Abundance Ion 93.00 (92.70 to 93.70): BM0
 Ion 95.00 (94.70 to 95.70): BM0
 Ion 123.00 (122.70 to 123.70): E

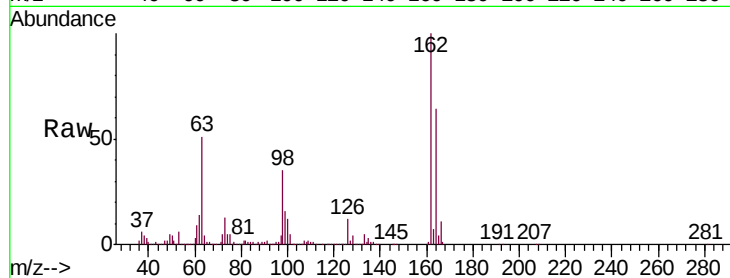




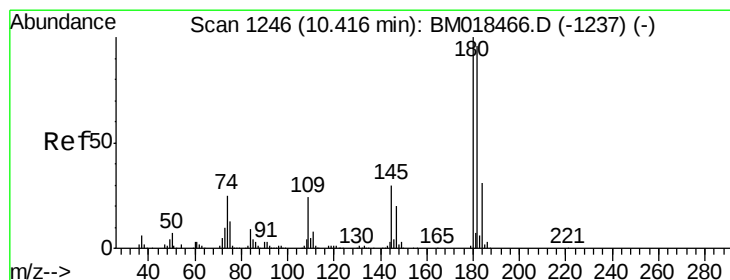
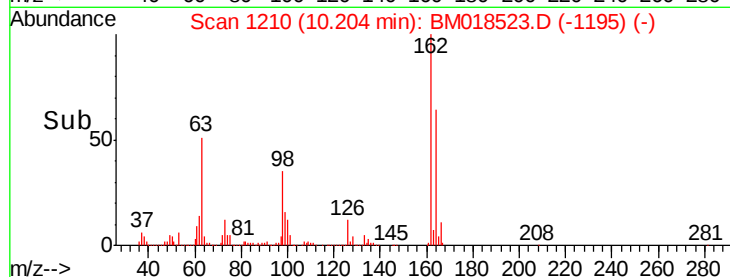
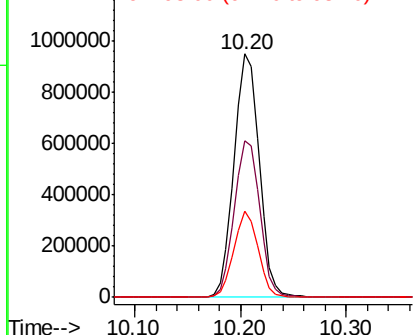
#29
 2,4-Dichlorophenol
 Concen: 49.007 ng
 RT: 10.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

Tgt Ion:162 Resp: 1568651
 Ion Ratio Lower Upper
 162 100
 164 64.4 45.6 85.6
 98 35.1 14.7 54.7

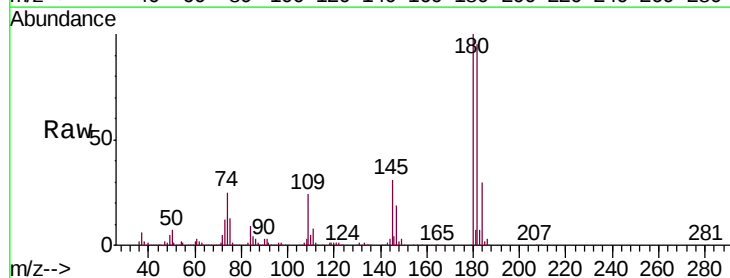


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

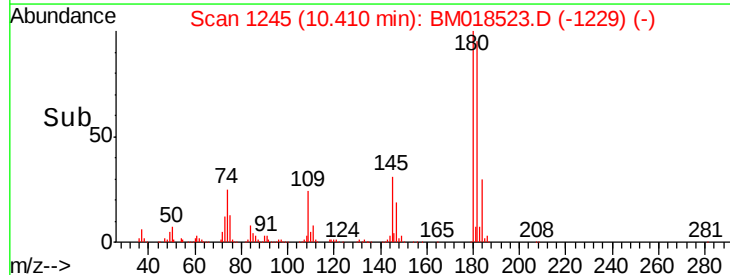
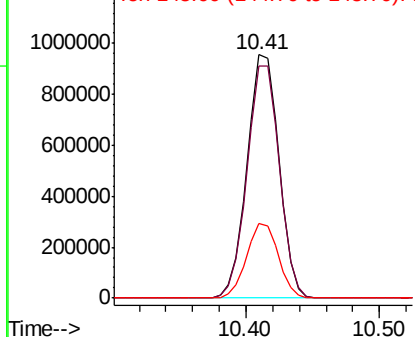


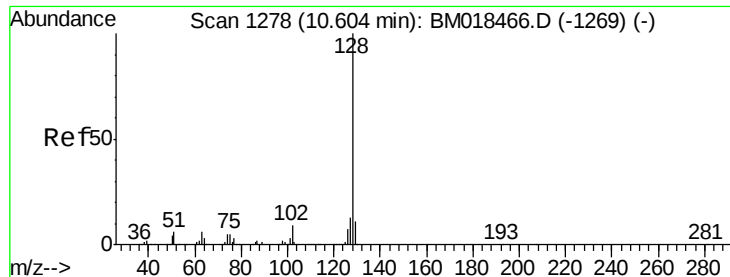
#30
 1,2,4-Trichlorobenzene
 Concen: 39.689 ng
 RT: 10.41 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:180 Resp: 1576822
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.4 116.2
 145 30.7 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

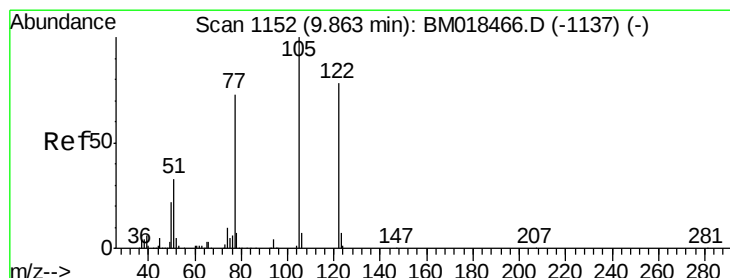
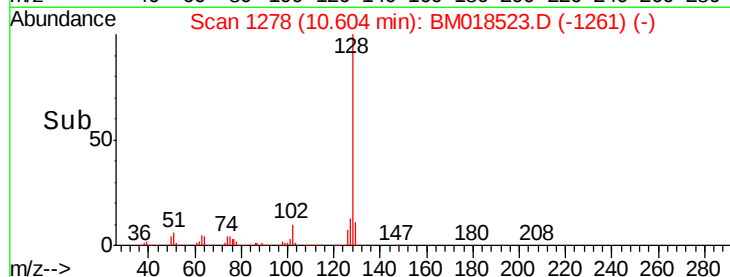
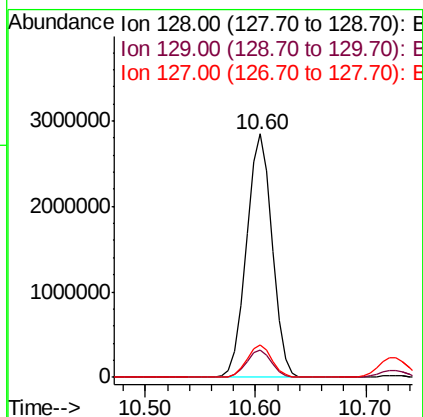
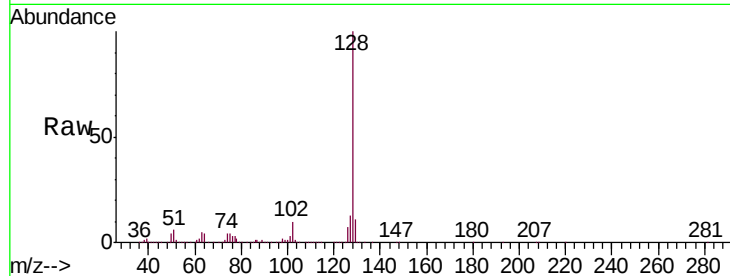




#31
Naphthalene
Concen: 44.099 ng
RT: 10.60 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

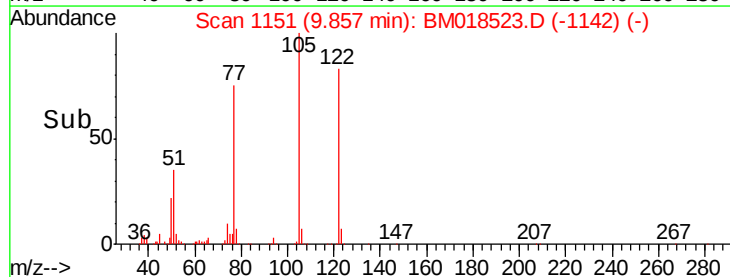
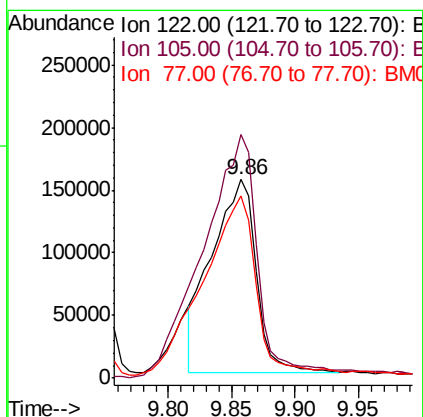
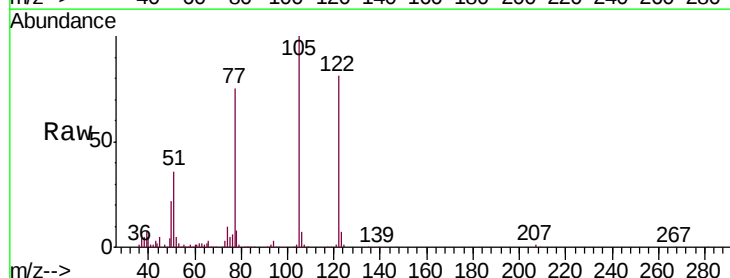
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

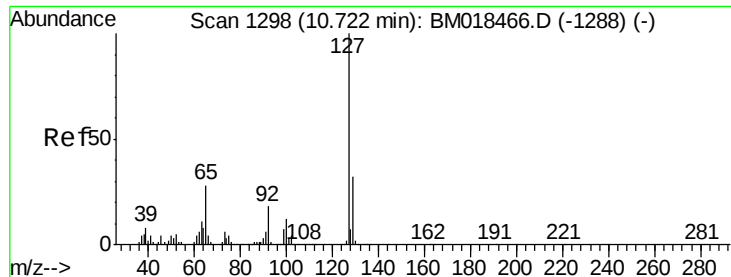
Tgt Ion:128 Resp: 4640941
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 24.342 ng
RT: 9.86 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:122 Resp: 373469
Ion Ratio Lower Upper
122 100
105 122.8 100.4 140.4
77 92.0 71.7 111.7

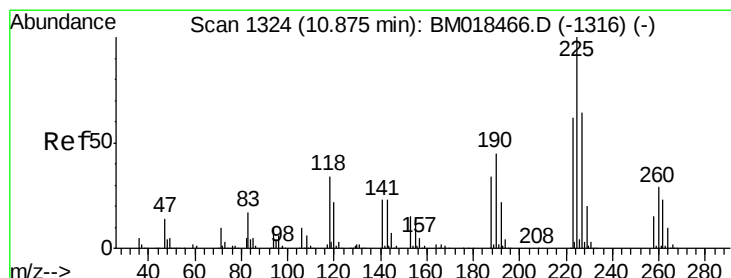
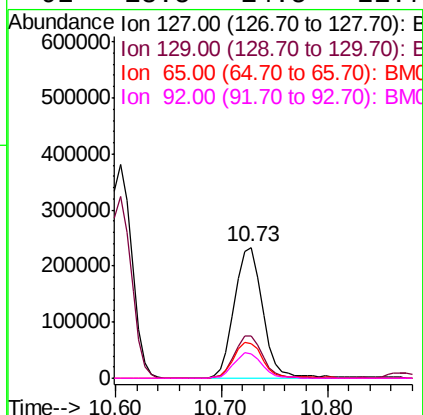
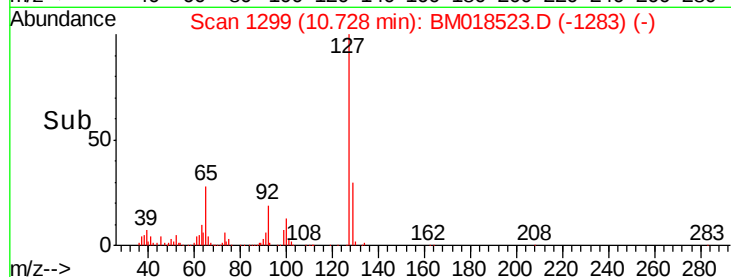
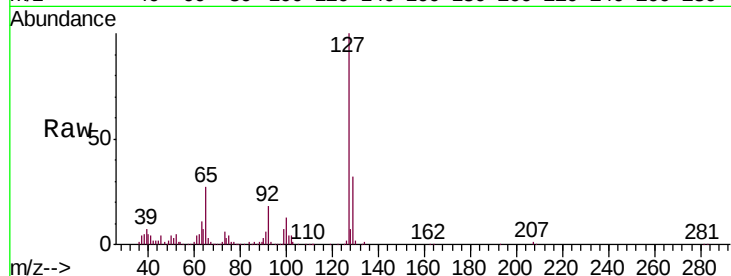




#33
4-Chloroaniline
Concen: 10.464 ng
RT: 10.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

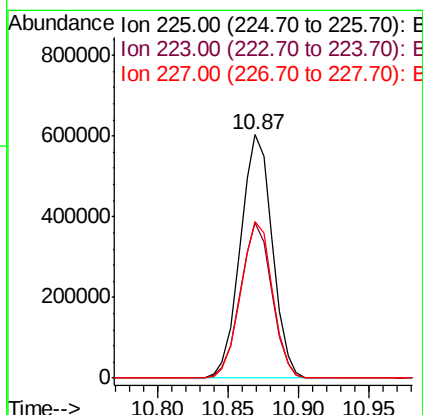
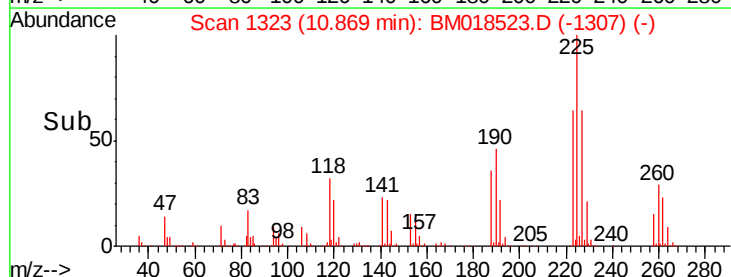
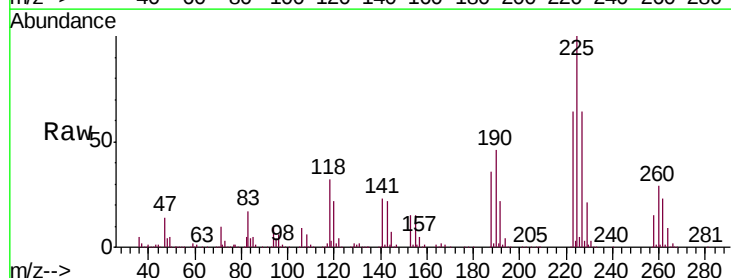
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

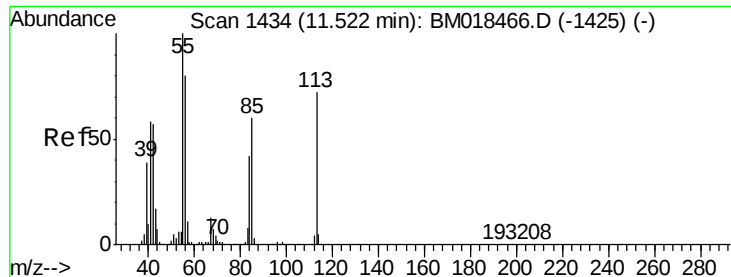
Tgt Ion:	127	Resp:	433688
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	26.9	23.4	35.2
92	18.5	14.5	21.7



#34
Hexachlorobutadiene
Concen: 38.062 ng
RT: 10.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:	225	Resp:	955338
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.8	76.2
227	64.3	50.4	75.6

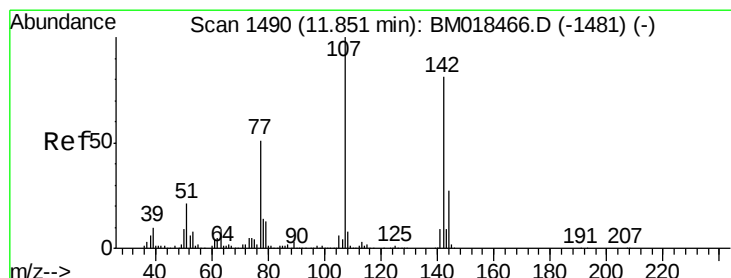
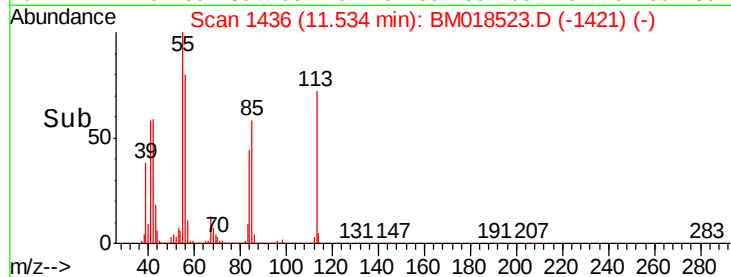
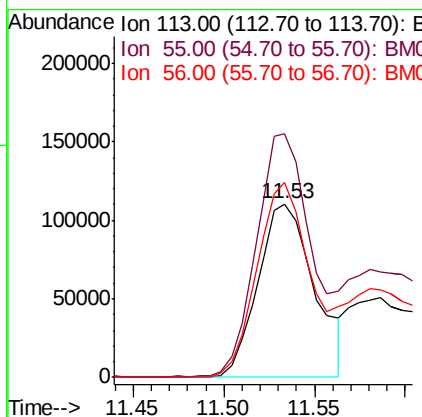
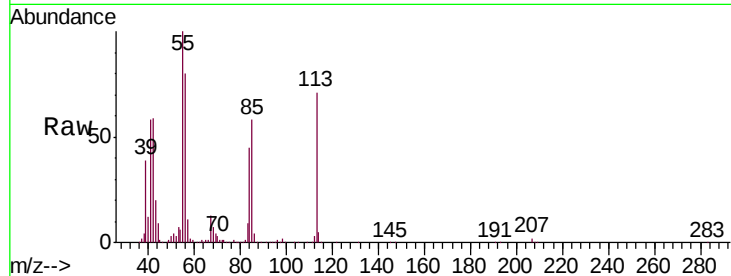




#35
Caprolactam
Concen: 21.905 ng
RT: 11.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

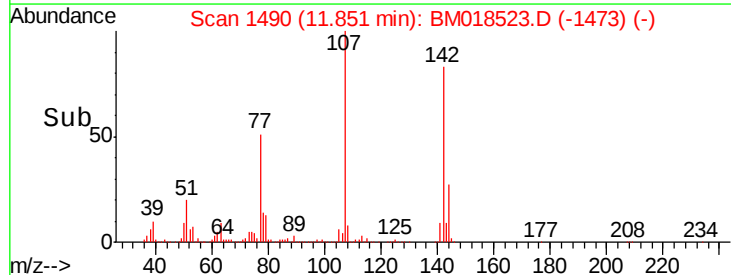
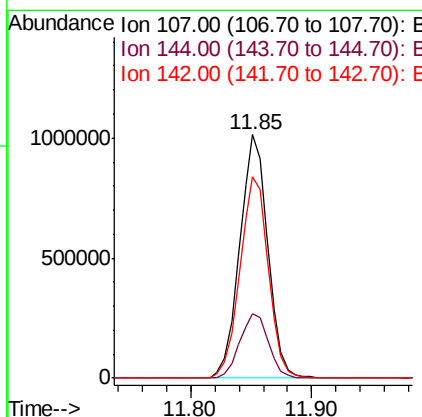
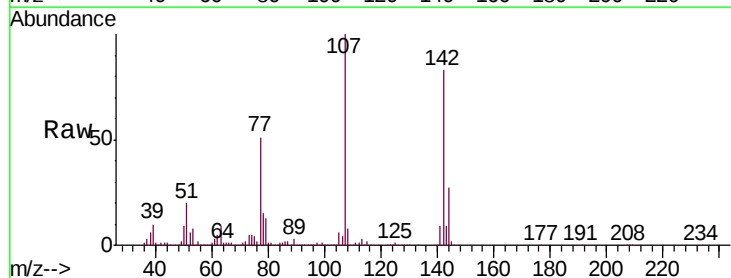
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

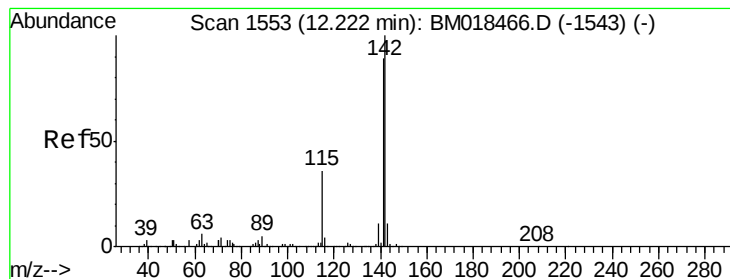
Tgt Ion:113 Resp: 238381
Ion Ratio Lower Upper
113 100
55 140.3 139.3 179.3
56 112.5 101.4 141.4



#36
4-Chloro-3-methylphenol
Concen: 48.996 ng
RT: 11.85 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:107 Resp: 1645320
Ion Ratio Lower Upper
107 100
144 26.6 21.9 32.9
142 82.7 67.9 101.9





#37

2-Methylnaphthalene

Concen: 47.422 ng

RT: 12.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

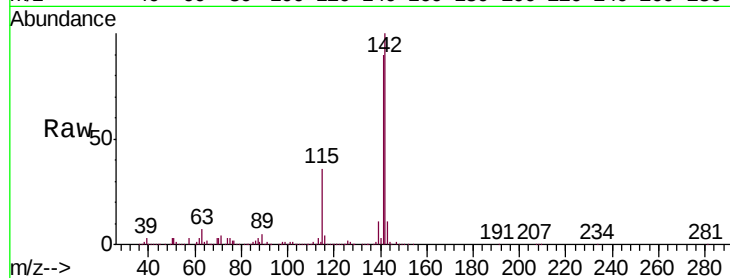
Tgt Ion:142 Resp: 3526103

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.2

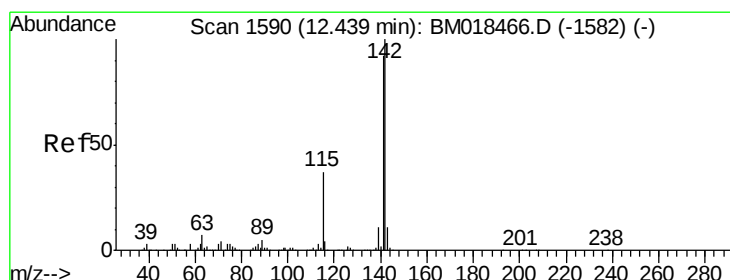
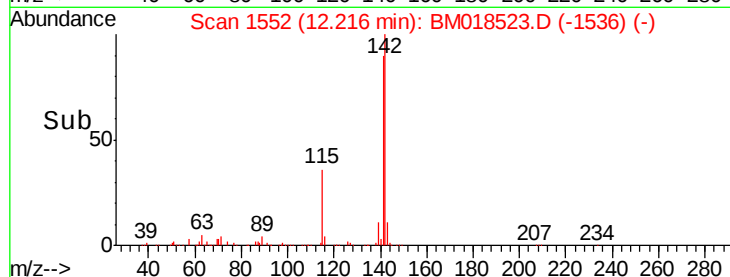
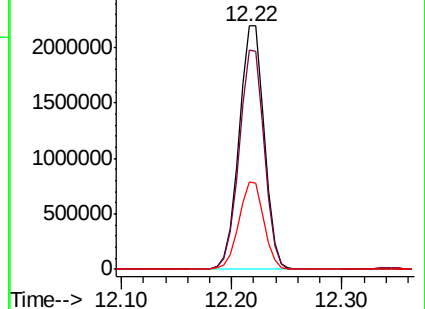
115 35.8 28.0 42.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.634 ng

RT: 12.44 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

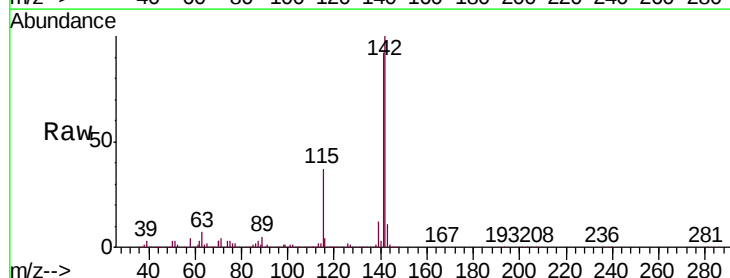
Tgt Ion:142 Resp: 3355050

Ion Ratio Lower Upper

142 100

141 91.7 75.6 113.4

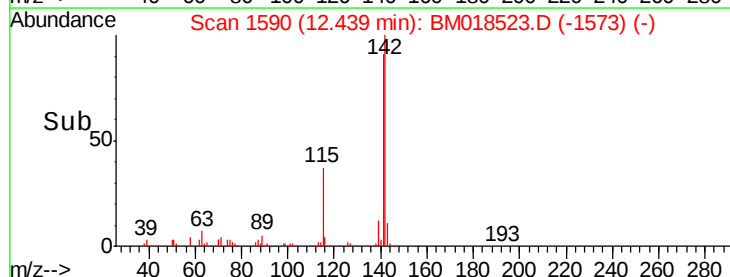
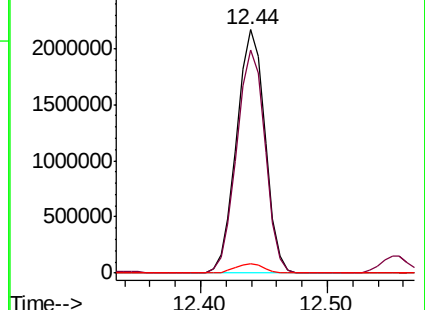
116 3.9 3.0 4.6

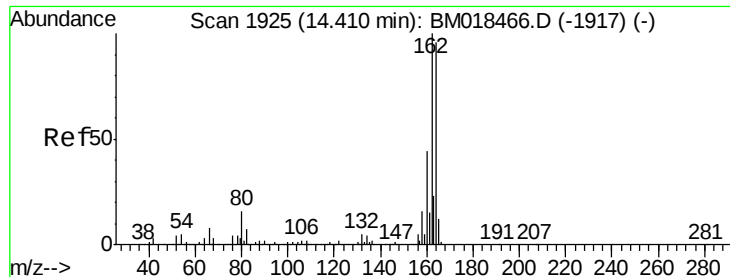


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.41 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

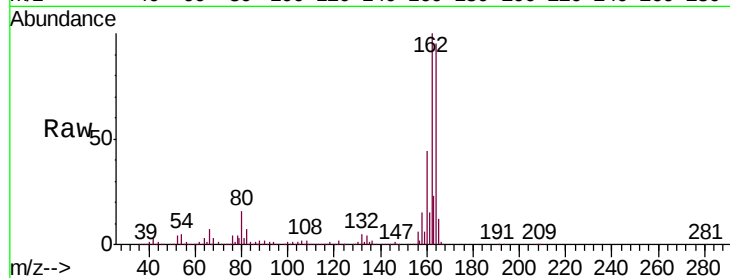
Tgt Ion:164 Resp: 1291704

Ion Ratio Lower Upper

164 100

162 105.5 83.0 124.4

160 46.7 37.1 55.7

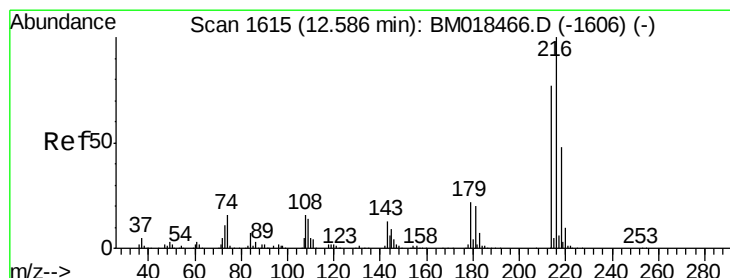
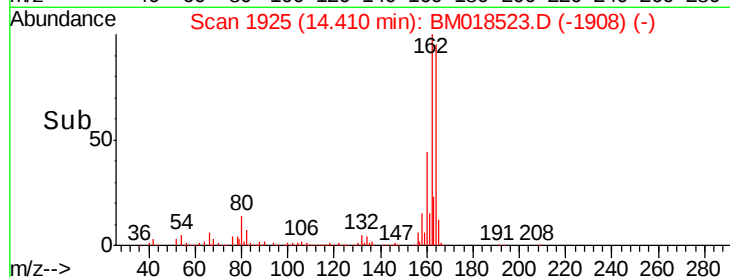
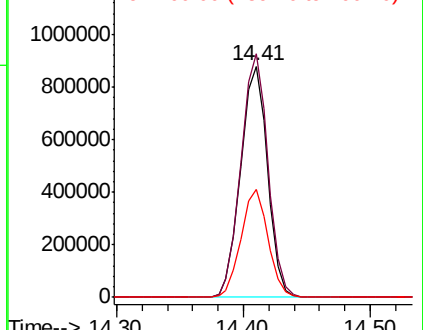


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.346 ng

RT: 12.59 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Tgt Ion:216 Resp: 1822433

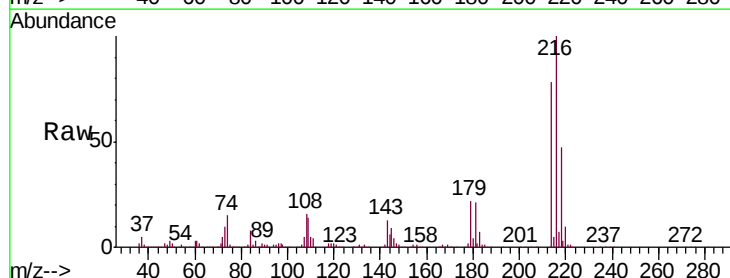
Ion Ratio Lower Upper

216 100

214 78.4 63.4 95.0

179 21.8 17.9 26.9

108 19.4 15.8 23.6



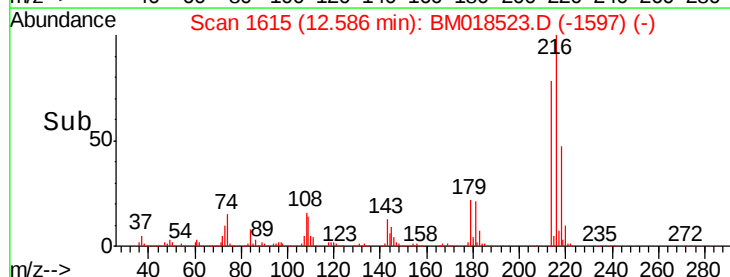
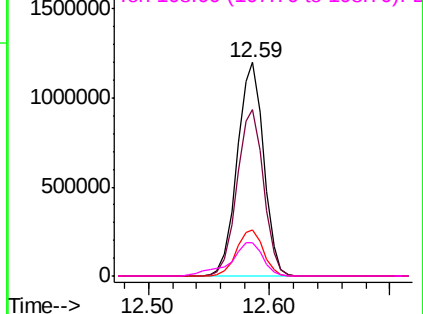
Abundance

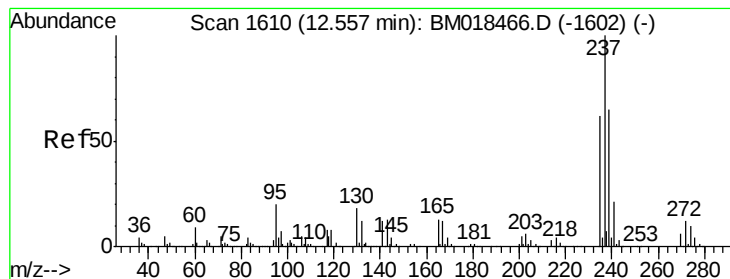
Ion 216.00 (215.70 to 216.70): E

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: 78.322 ng

RT: 12.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

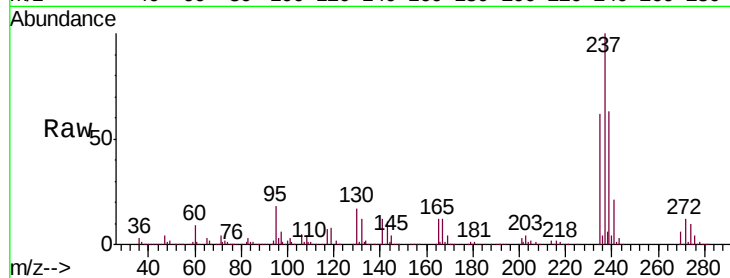
Tgt Ion:237 Resp: 1941650

Ion Ratio Lower Upper

237 100

235 61.8 42.8 82.8

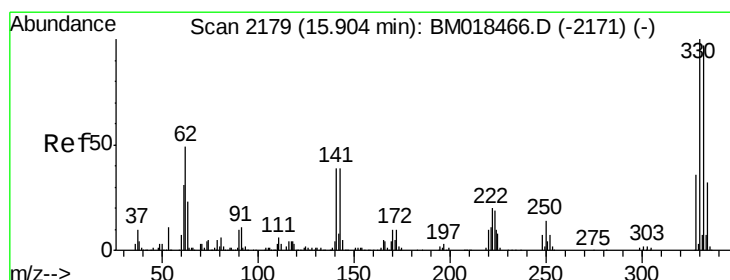
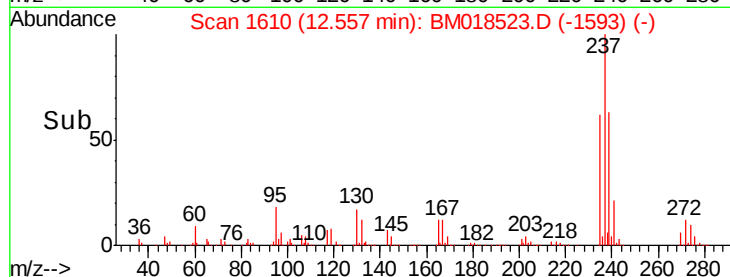
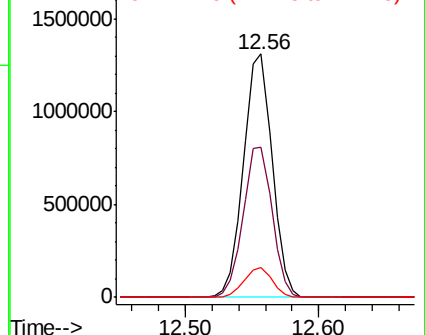
272 12.0 0.0 31.9



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: 148.119 ng

RT: 15.90 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

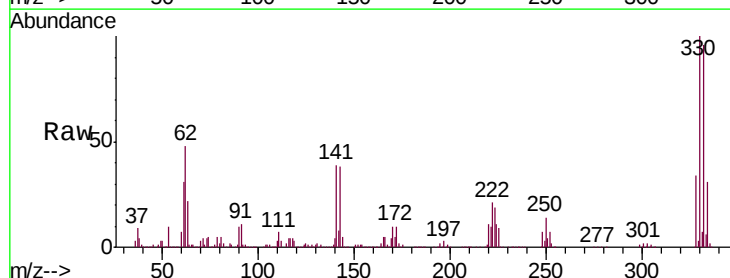
Tgt Ion:330 Resp: 2436115

Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

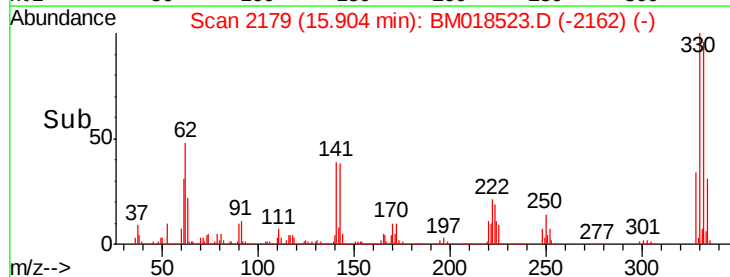
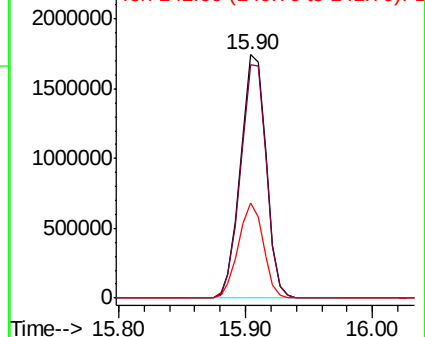
141 38.1 31.7 47.5

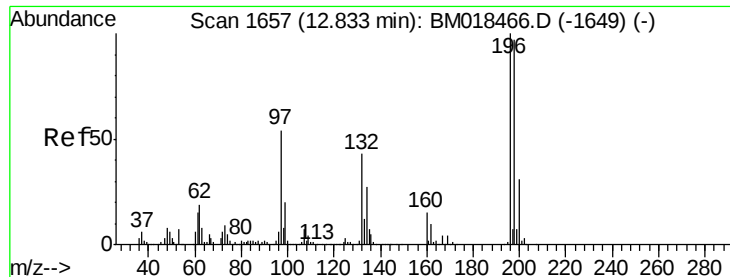


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

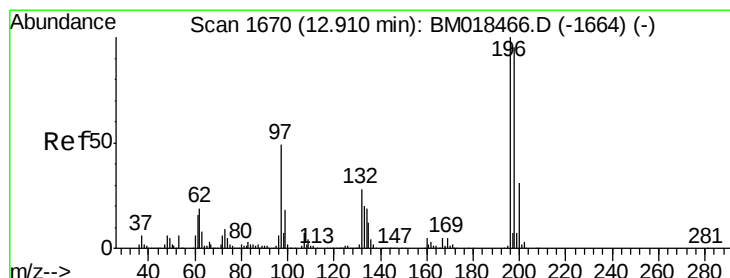
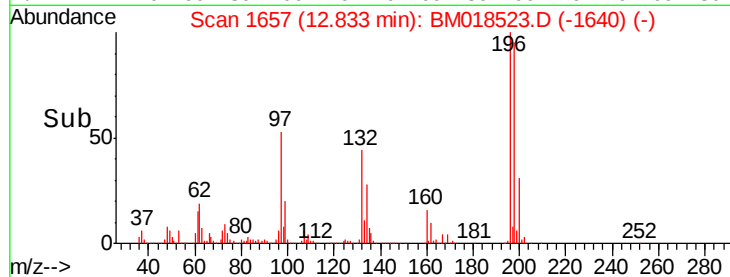
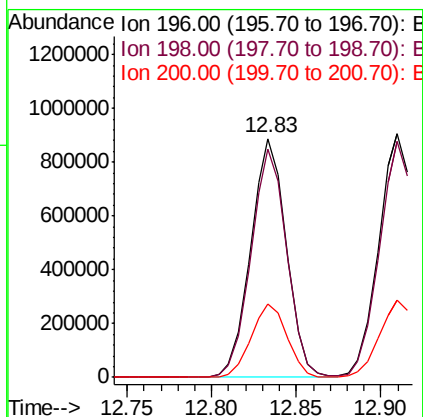
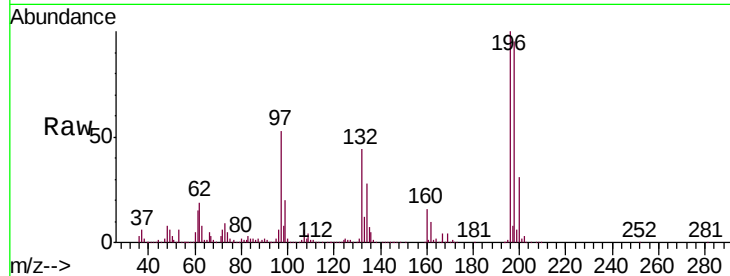




#43
 2,4,6-Trichlorophenol
 Concen: 47.425 ng
 RT: 12.83 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

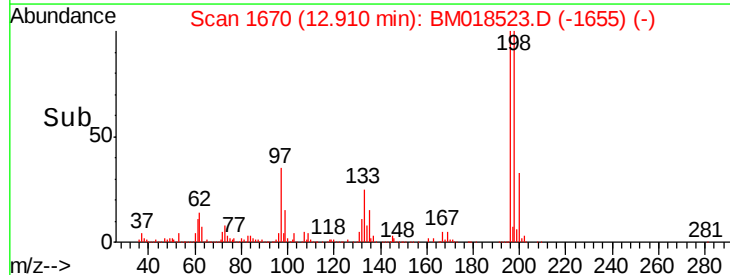
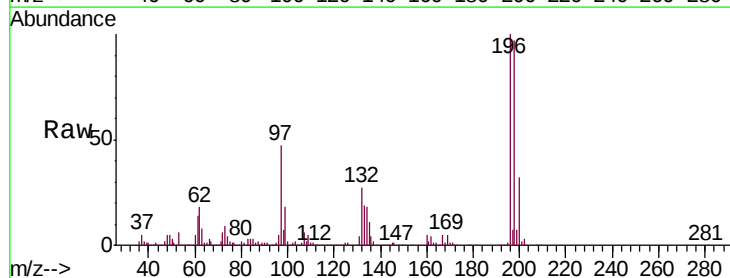
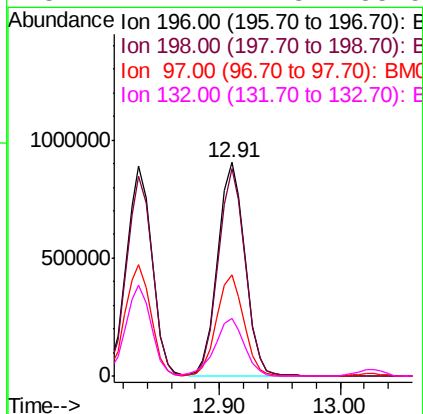
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

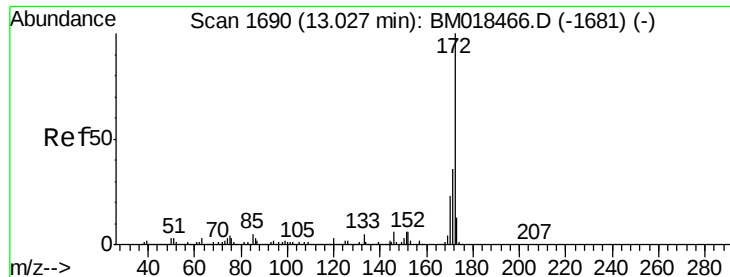
Tgt Ion:196 Resp: 1300881
 Ion Ratio Lower Upper
 196 100
 198 95.4 76.6 115.0
 200 30.7 24.2 36.4



#44
 2,4,5-Trichlorophenol
 Concen: 48.735 ng
 RT: 12.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:196 Resp: 1405922
 Ion Ratio Lower Upper
 196 100
 198 97.1 76.7 115.1
 97 47.1 39.2 58.8
 132 27.2 22.3 33.5

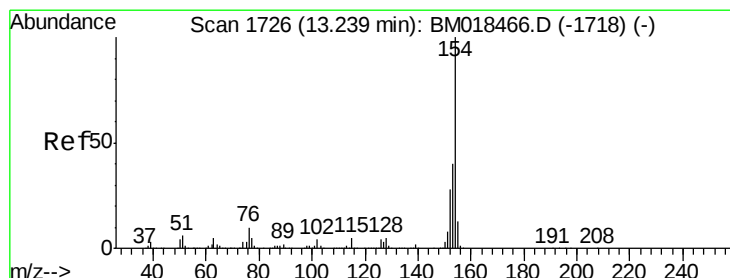
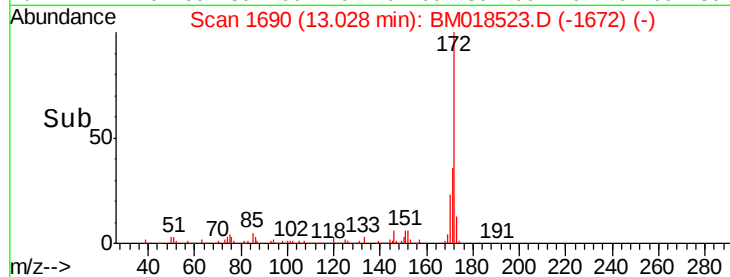
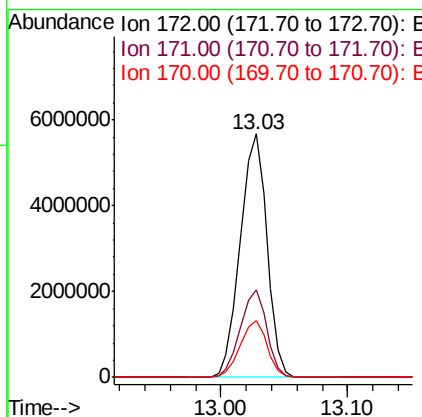
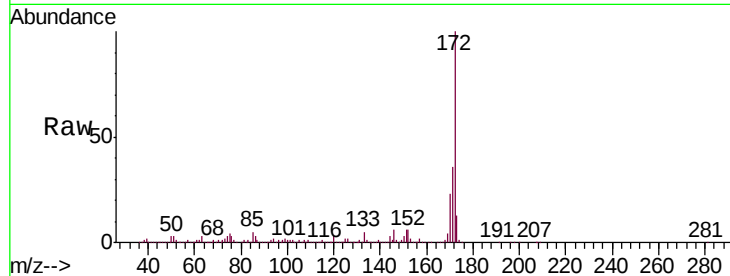




#45
 2-Fluorobiphenyl
 Concen: 83.670 ng
 RT: 13.03 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

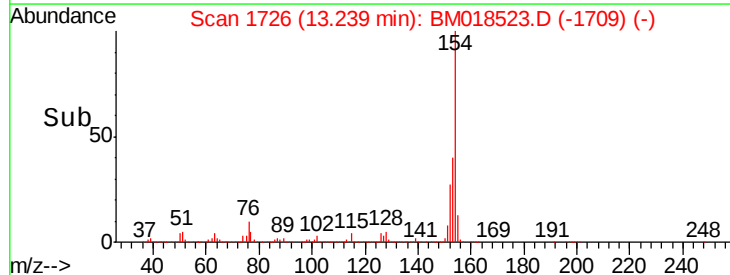
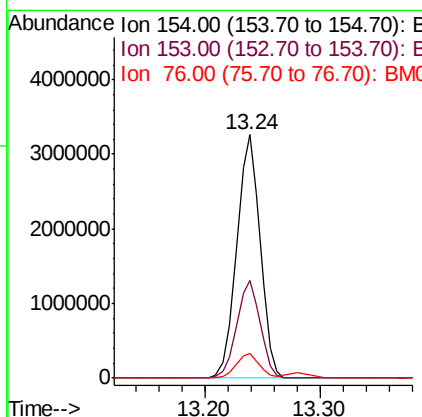
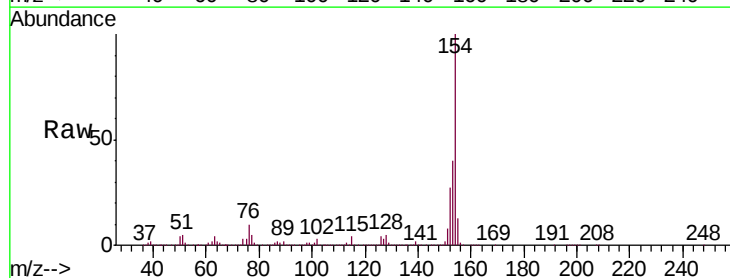
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

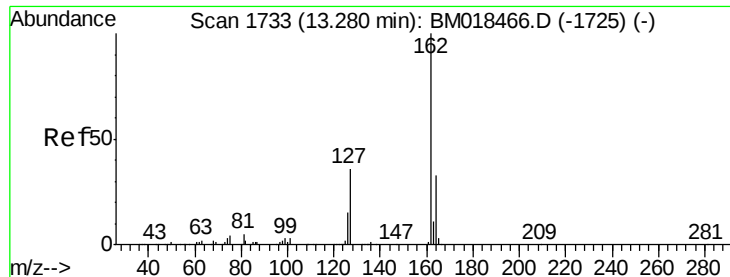
Tgt Ion:172 Resp: 8282672
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.2 42.4
 170 23.5 18.9 28.3



#46
 1,1'-Biphenyl
 Concen: 40.372 ng
 RT: 13.24 min Scan# 1726
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:154 Resp: 4553385
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.5 60.5
 76 10.2 0.0 31.9

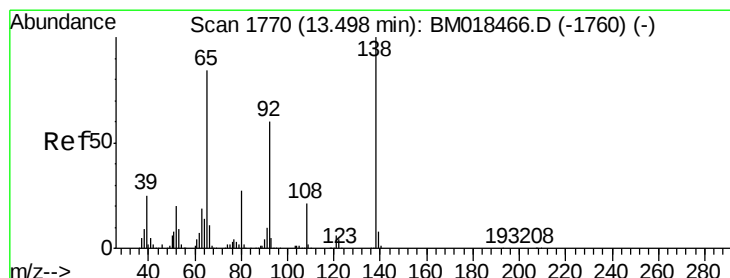
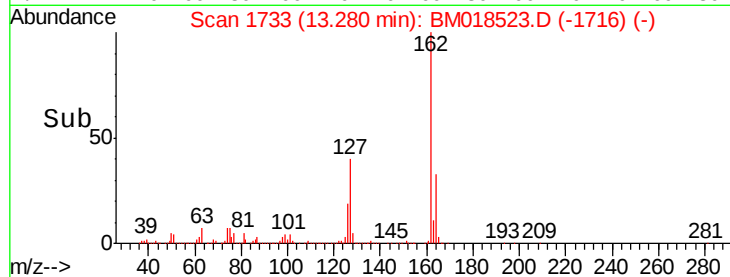
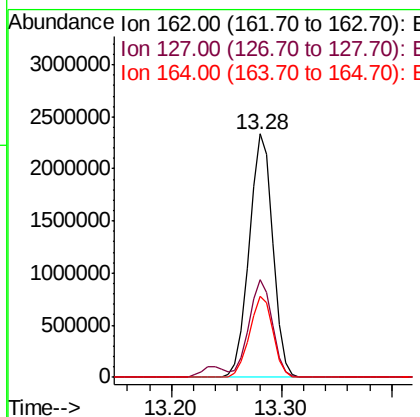
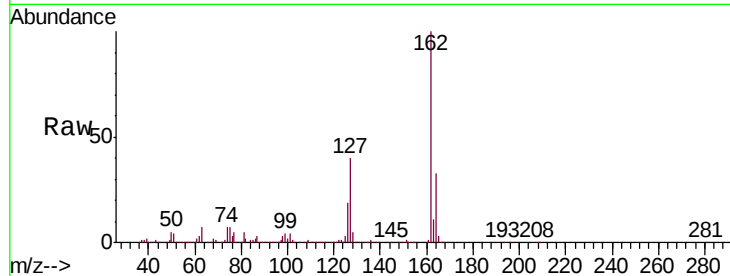




#47
 2-Chloronaphthalene
 Concen: 40.120 ng
 RT: 13.28 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

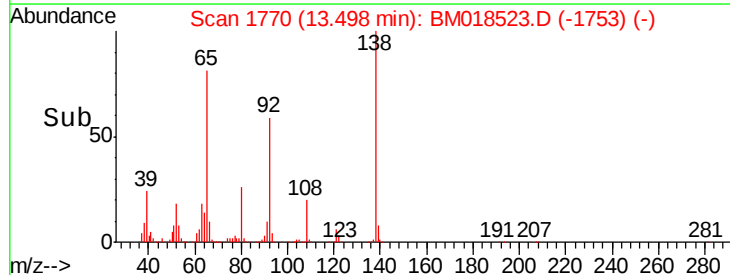
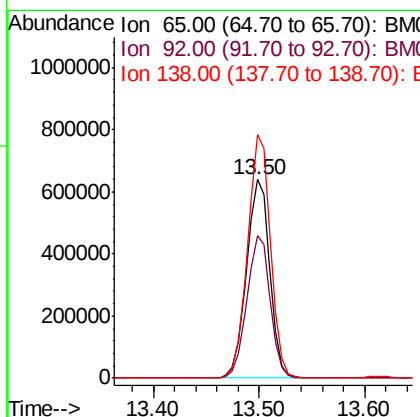
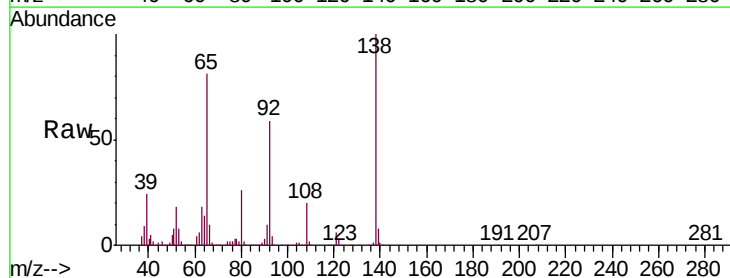
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

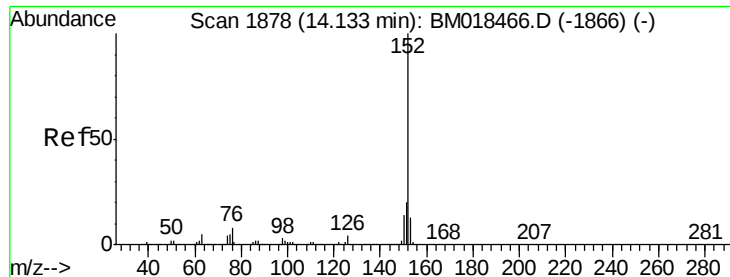
Tgt Ion: 162 Resp: 3508886
 Ion Ratio Lower Upper
 162 100
 127 40.0 31.4 47.0
 164 33.1 26.2 39.4



#48
 2-Nitroaniline
 Concen: 45.783 ng
 RT: 13.50 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion: 65 Resp: 985126
 Ion Ratio Lower Upper
 65 100
 92 71.9 53.4 80.2
 138 122.7 88.9 133.3





#49

Acenaphthylene

Concen: 45.576 ng

RT: 14.13 min Scan# 1878

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

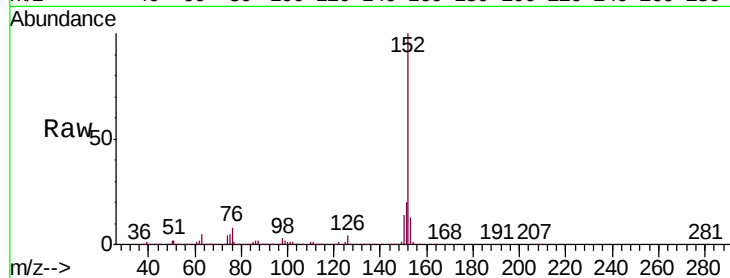
Tgt Ion:152 Resp: 5808932

Ion Ratio Lower Upper

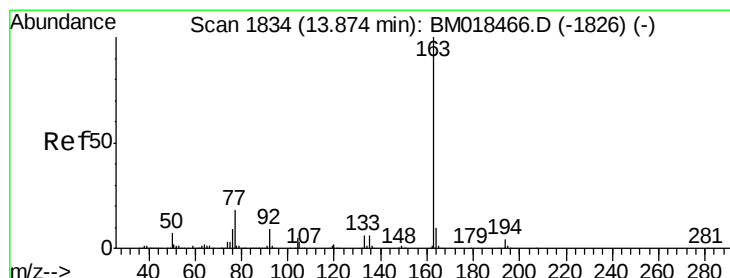
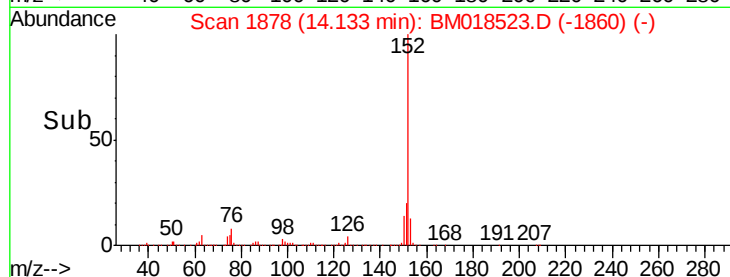
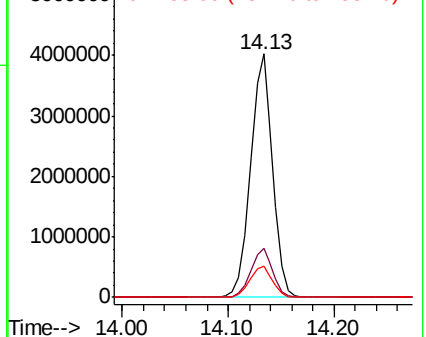
152 100

151 20.0 15.7 23.5

153 13.0 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 57.424 ng

RT: 13.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

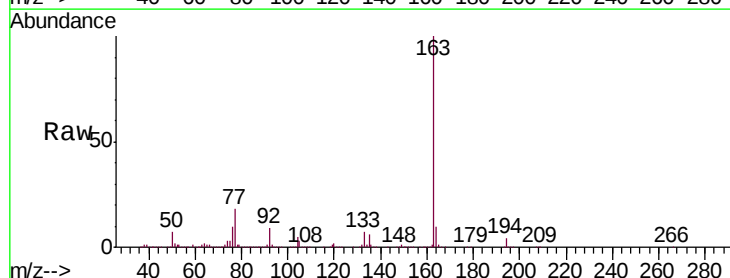
Tgt Ion:163 Resp: 6091726

Ion Ratio Lower Upper

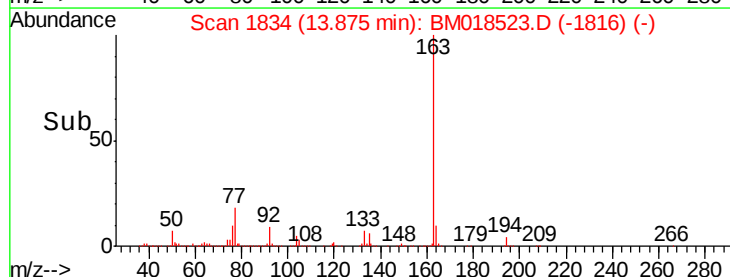
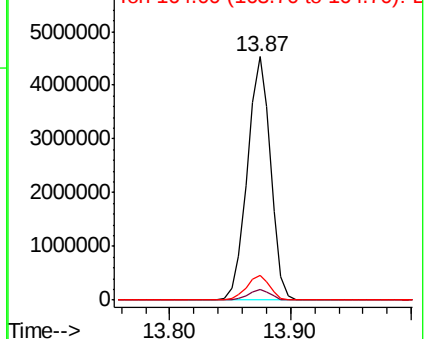
163 100

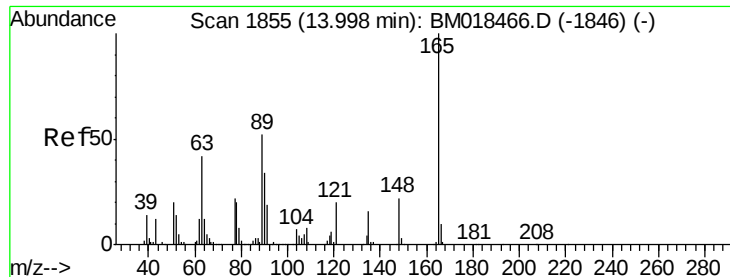
194 4.2 3.0 4.6

164 10.3 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

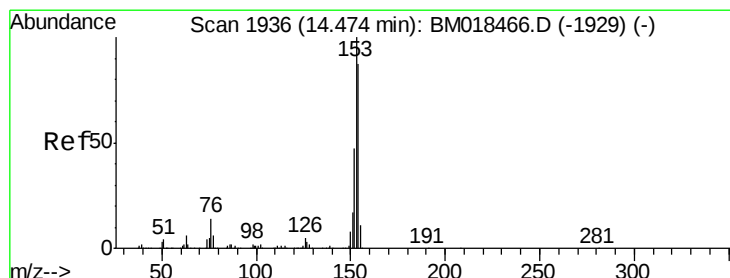
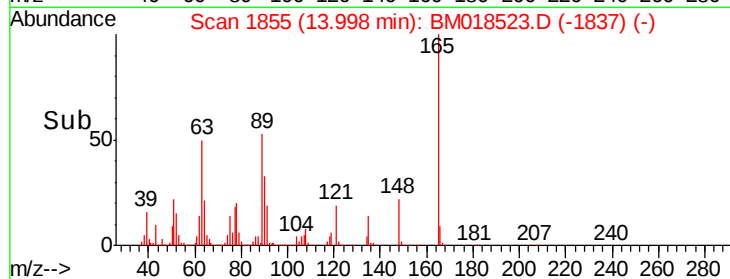
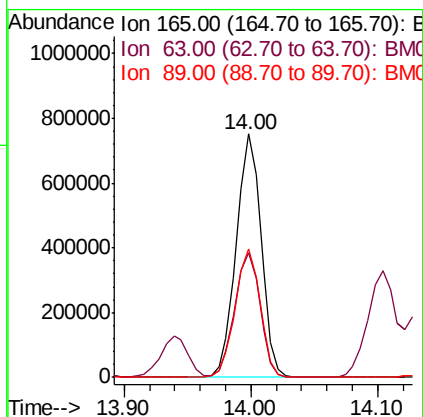
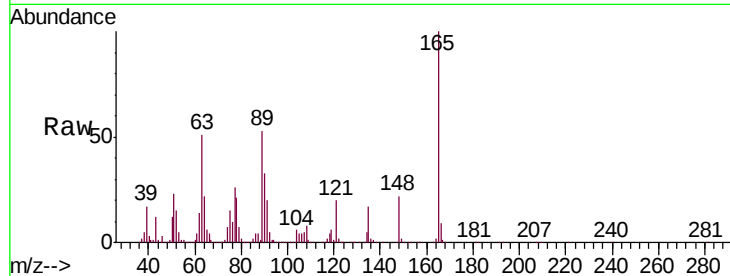




#51
 2,6-Dinitrotoluene
 Concen: 45.463 ng
 RT: 14.00 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

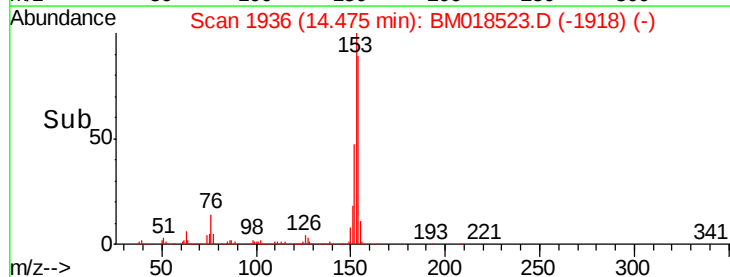
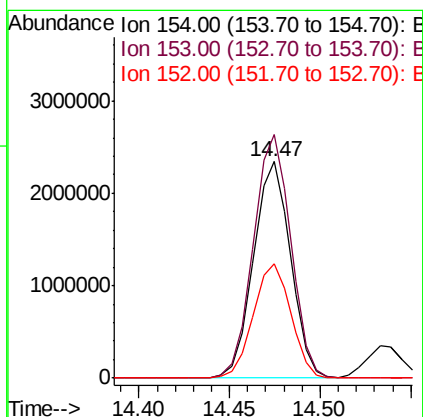
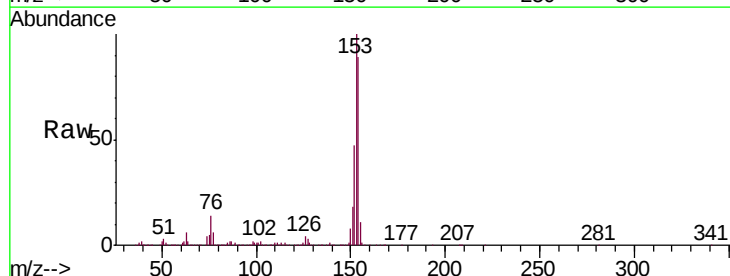
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

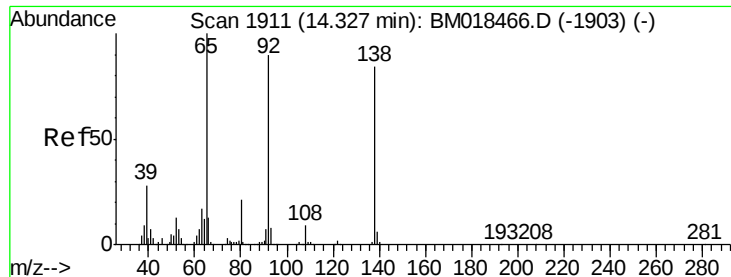
Tgt Ion:165 Resp: 1021602
 Ion Ratio Lower Upper
 165 100
 63 51.0 45.6 68.4
 89 52.6 44.6 66.8



#52
 Acenaphthene
 Concen: 42.604 ng
 RT: 14.47 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:154 Resp: 3322529
 Ion Ratio Lower Upper
 154 100
 153 112.7 92.3 138.5
 152 53.1 43.8 65.6

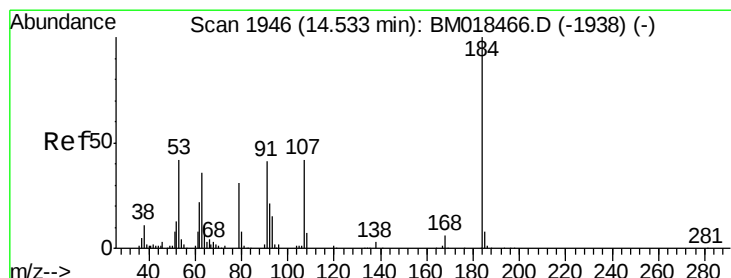
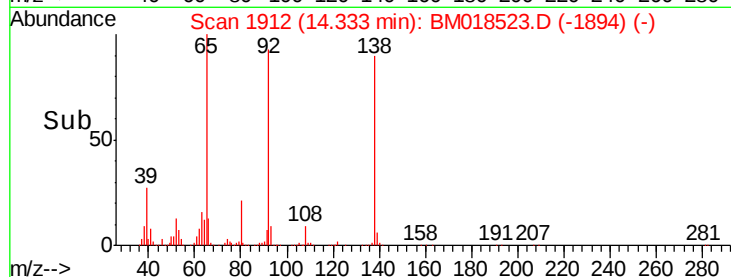
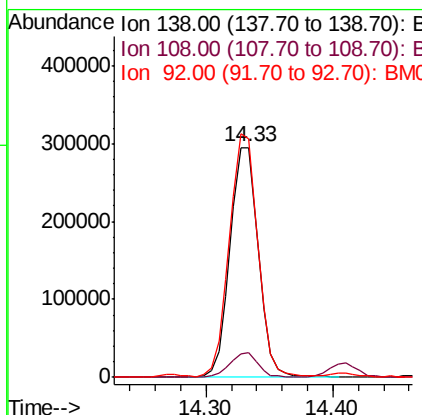
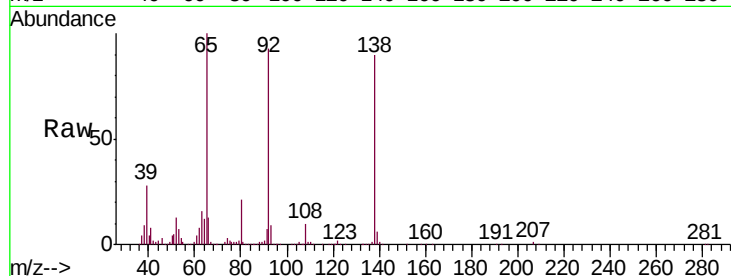




#53
3-Nitroaniline
Concen: 20.202 ng
RT: 14.33 min Scan# 1912
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

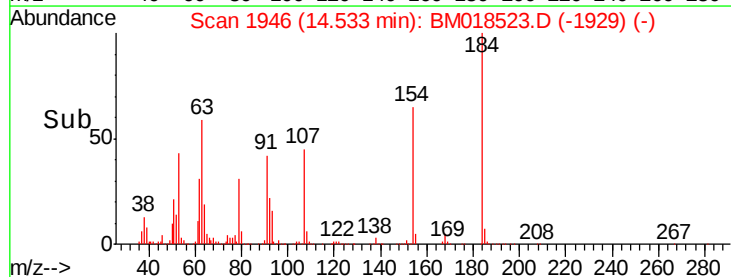
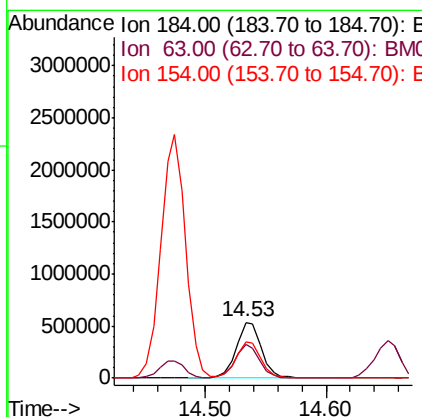
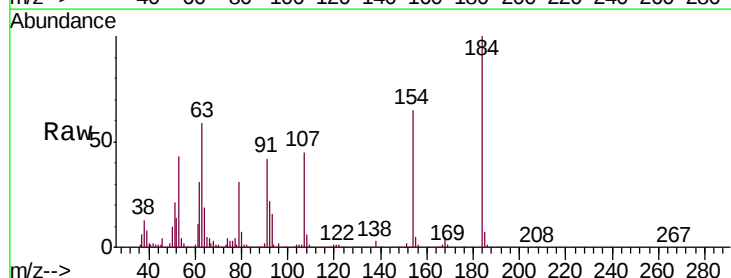
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

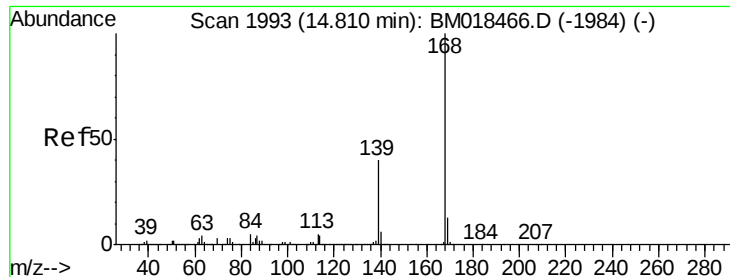
Tgt Ion:138 Resp: 457664
Ion Ratio Lower Upper
138 100
108 10.6 9.1 13.7
92 103.4 88.2 132.2



#54
2,4-Dinitrophenol
Concen: 65.765 ng
RT: 14.53 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:184 Resp: 782883
Ion Ratio Lower Upper
184 100
63 59.5 55.9 83.9
154 65.1 54.2 81.4

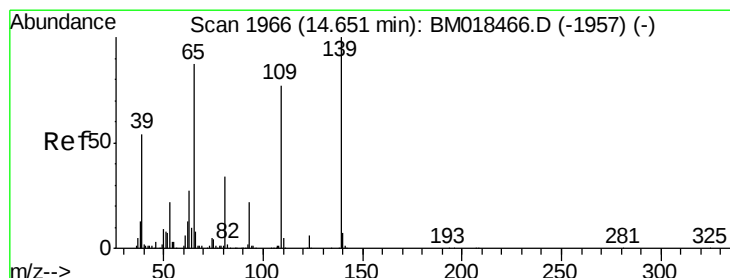
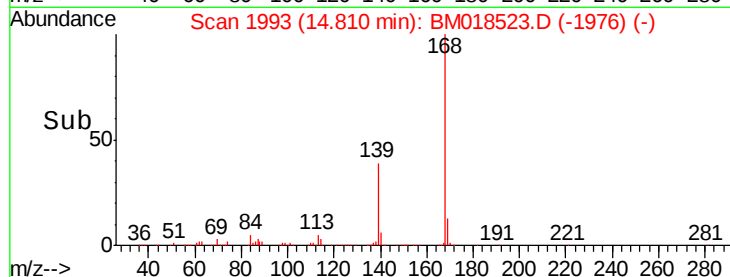
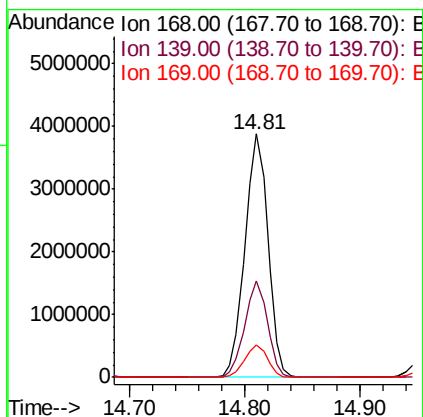
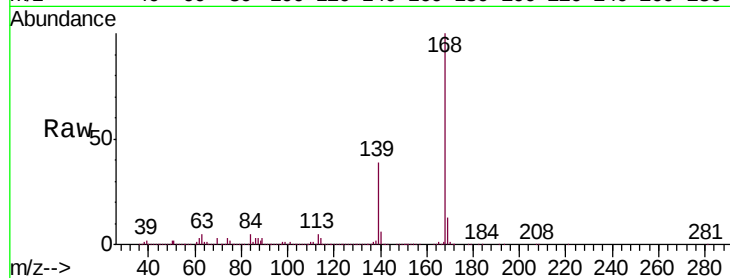




#55
Dibenzofuran
Concen: 41.856 ng
RT: 14.81 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

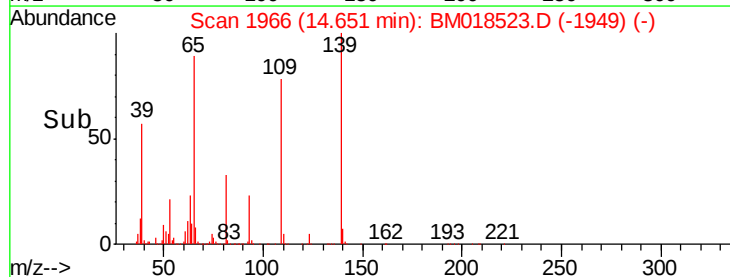
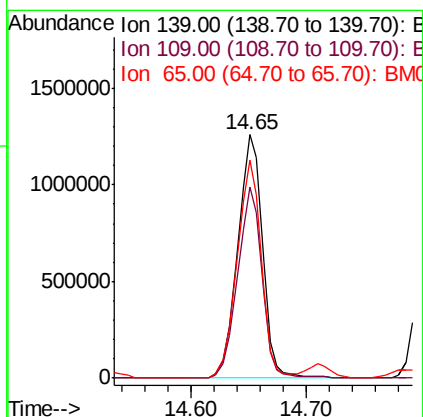
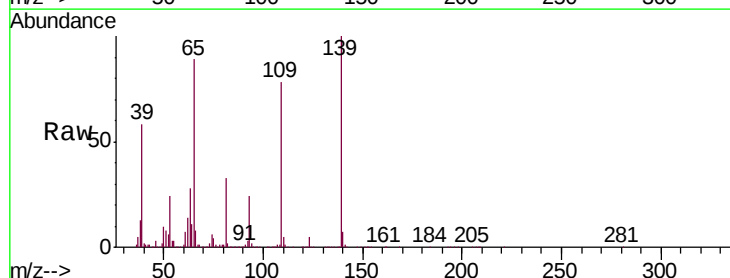
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

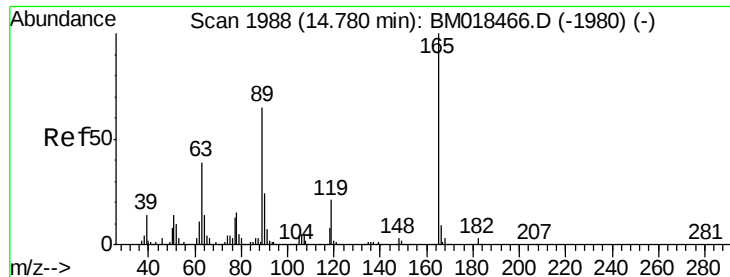
Tgt Ion:168 Resp: 5393401
Ion Ratio Lower Upper
168 100
139 39.5 30.3 45.5
169 13.5 10.6 16.0



#56
4-Nitrophenol
Concen: 95.507 ng
RT: 14.65 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:139 Resp: 1869189
Ion Ratio Lower Upper
139 100
109 78.4 51.7 91.7
65 89.4 71.4 111.4



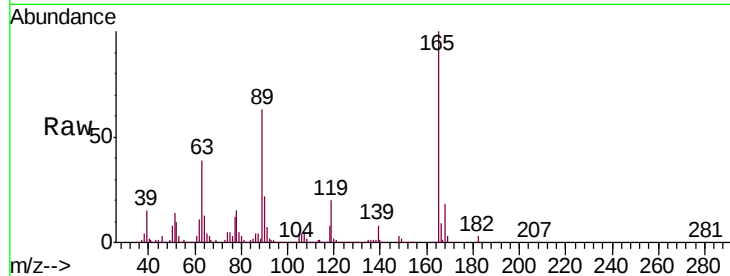


#57
 2,4-Dinitrotoluene
 Concen: 45.505 ng
 RT: 14.79 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

Tgt Ion:165 Resp: 1446787

Ion	Ratio	Lower	Upper
165	100		
63	38.9	32.2	48.2
89	63.0	52.1	78.1
182	3.2	2.5	3.7

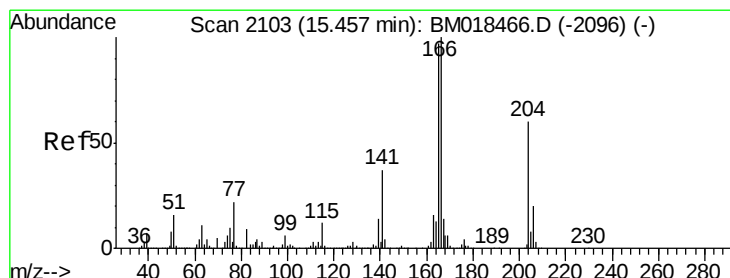
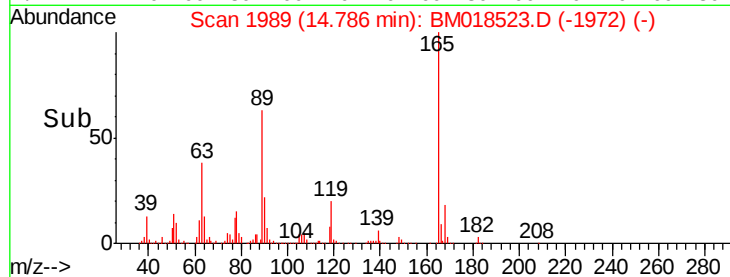
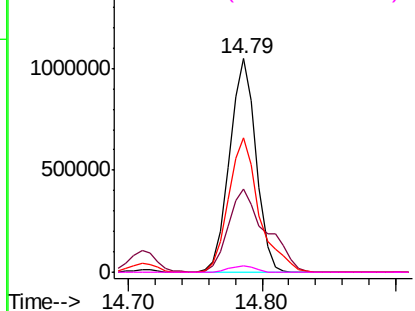


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM

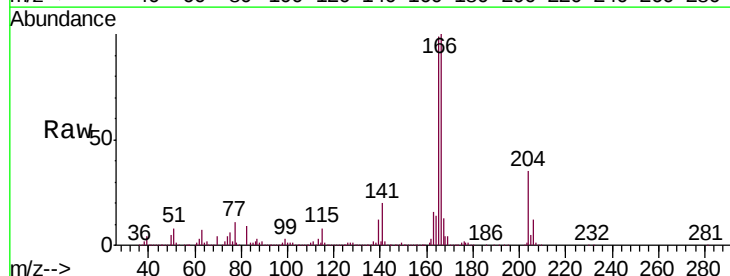
Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 45.612 ng
 RT: 15.46 min Scan# 2104
 Delta R.T. 0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:166 Resp: 4378218

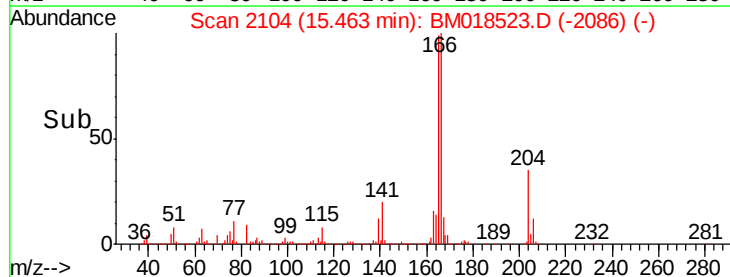
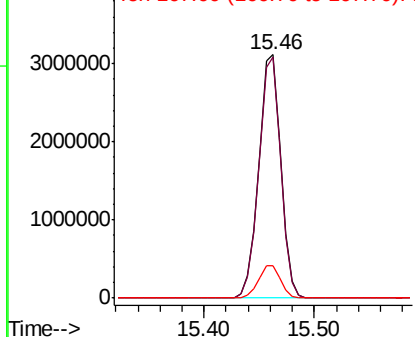
Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.3	117.5
167	13.4	10.9	16.3

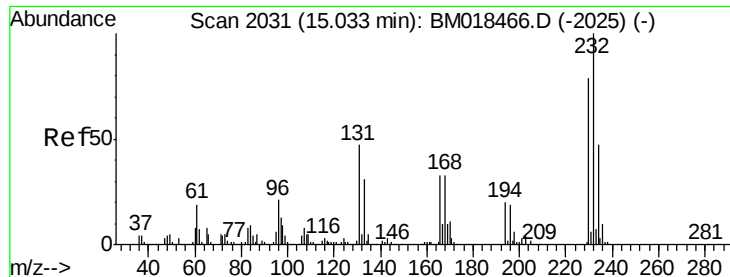


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

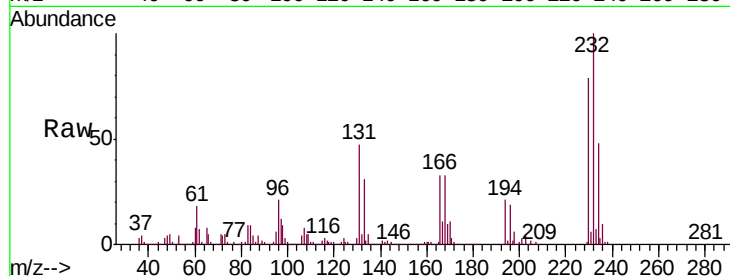




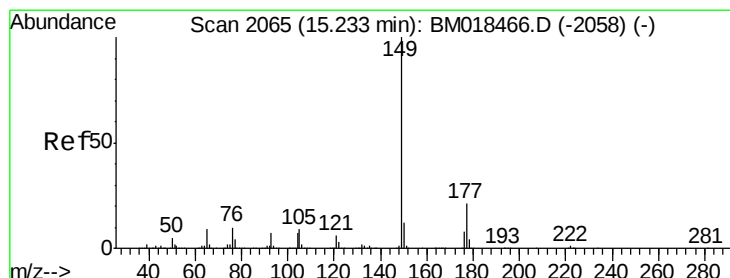
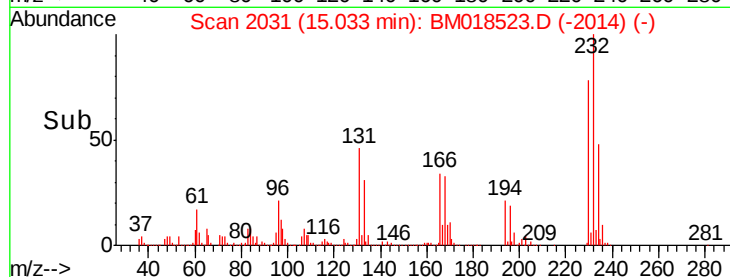
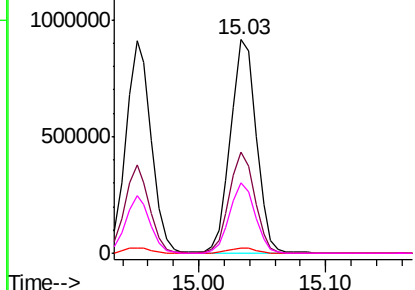
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.084 ng
RT: 15.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Tgt Ion:232 Resp: 1280677
Ion Ratio Lower Upper
232 100
131 46.8 38.6 57.8
130 2.6 2.2 3.4
166 32.7 27.2 40.8

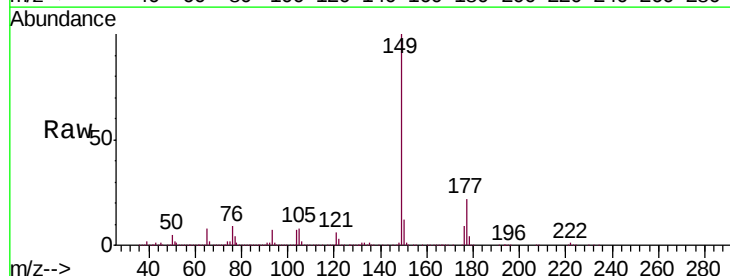


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

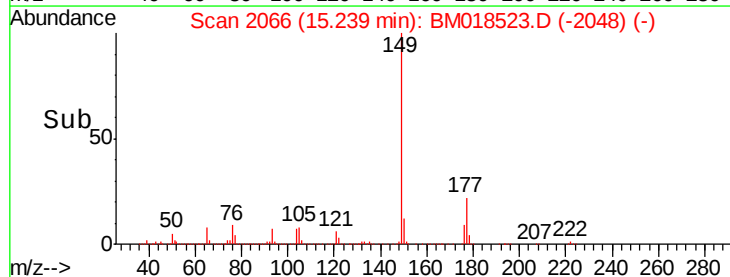
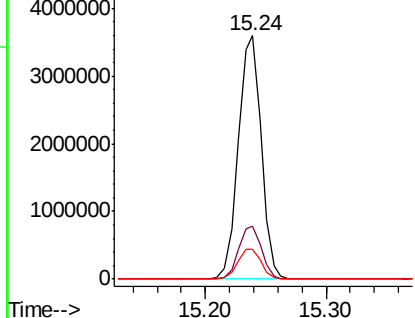


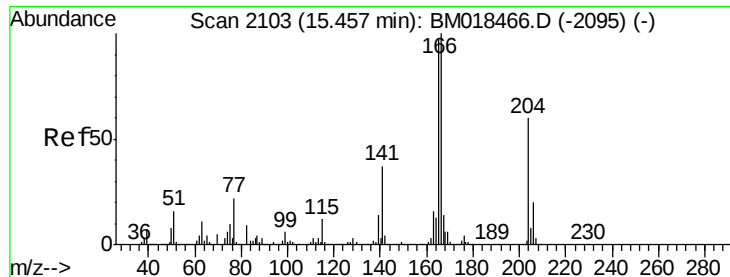
#60
Diethylphthalate
Concen: 44.444 ng
RT: 15.24 min Scan# 2066
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:149 Resp: 4759729
Ion Ratio Lower Upper
149 100
177 21.7 17.1 25.7
150 12.2 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

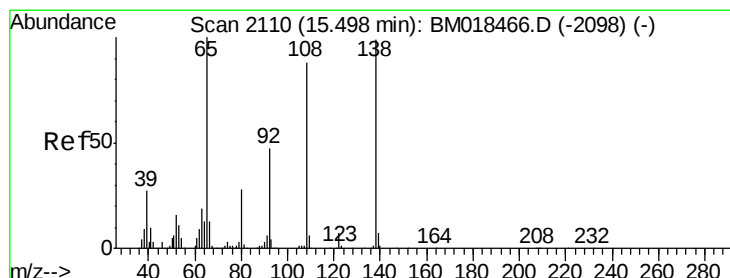
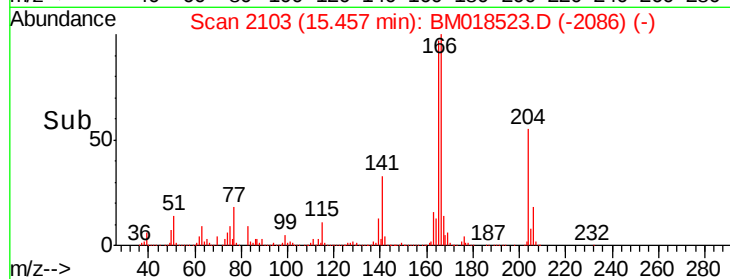
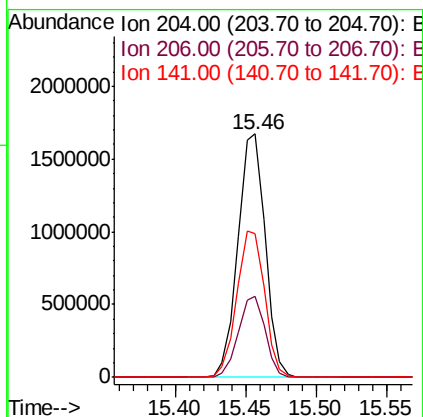
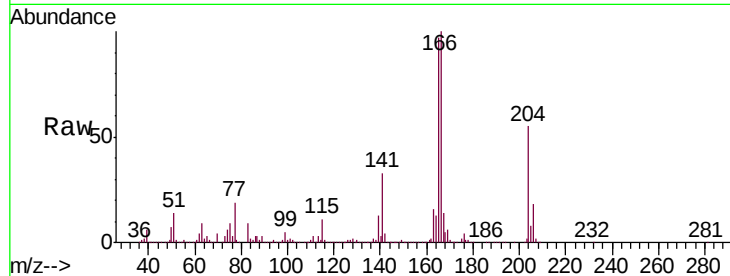




#61
4-Chlorophenyl-phenylether
Concen: 40.857 ng
RT: 15.46 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

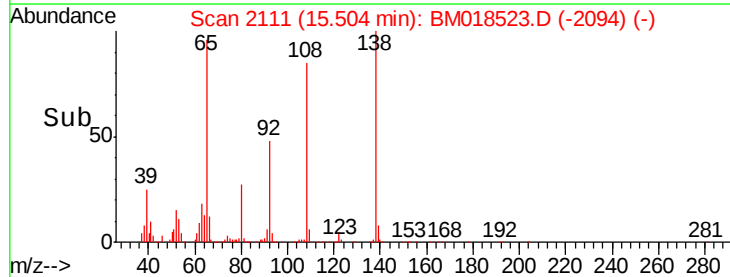
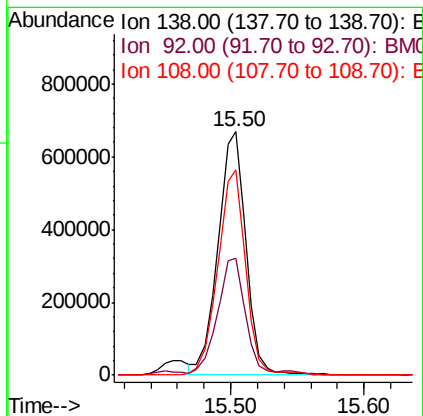
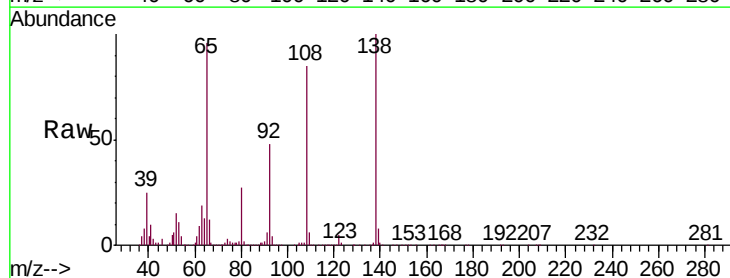
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

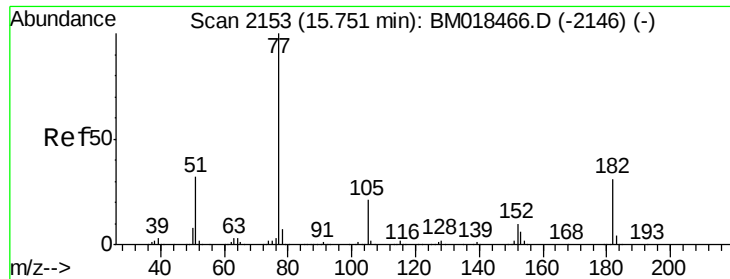
Tgt Ion:204 Resp: 2260321
Ion Ratio Lower Upper
204 100
206 33.2 25.8 38.6
141 59.3 49.5 74.3



#62
4-Nitroaniline
Concen: 39.788 ng
RT: 15.50 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:138 Resp: 983187
Ion Ratio Lower Upper
138 100
92 48.1 29.0 69.0
108 84.5 63.9 103.9

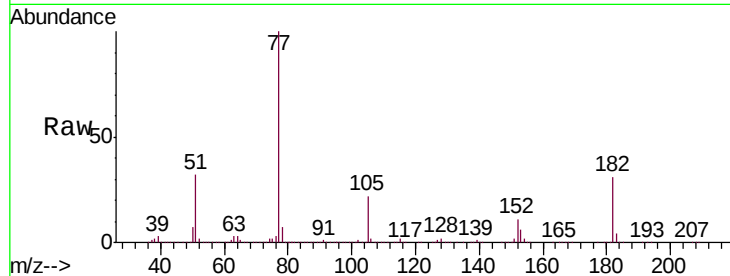




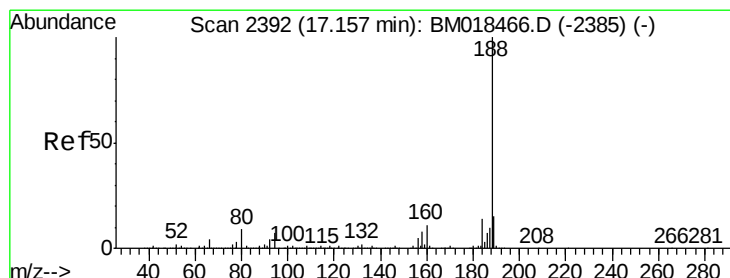
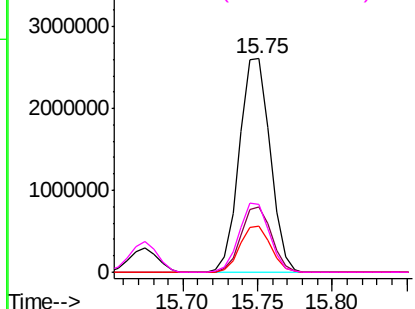
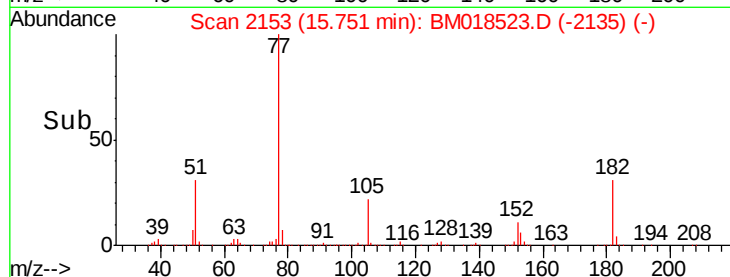
#63
Azobenzene
Concen: 42.866 ng
RT: 15.75 min Scan# 2153
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Tgt Ion: 77 Resp: 3742879
Ion Ratio Lower Upper
77 100
182 30.7 7.4 47.4
105 21.9 0.0 39.6
51 31.5 12.0 52.0

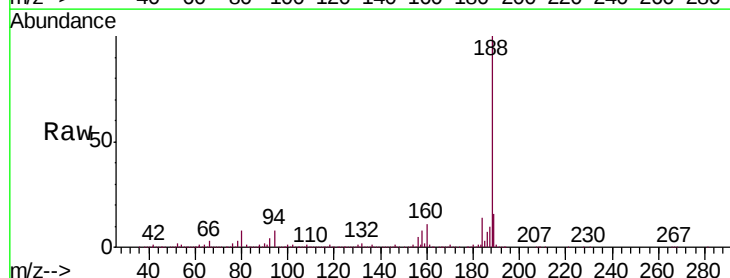


Abundance Ion 77.00 (76.70 to 77.70): BM018523.D (-2135) (-)
Ion 182.00 (181.70 to 182.70): BM018523.D (-2135) (-)
Ion 105.00 (104.70 to 105.70): BM018523.D (-2135) (-)
Ion 51.00 (50.70 to 51.70): BM018523.D (-2135) (-)

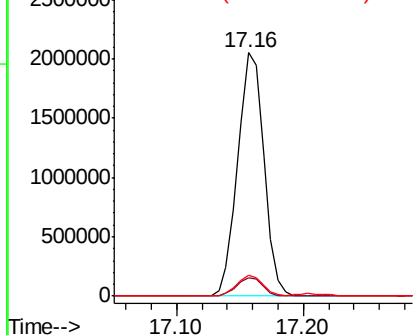
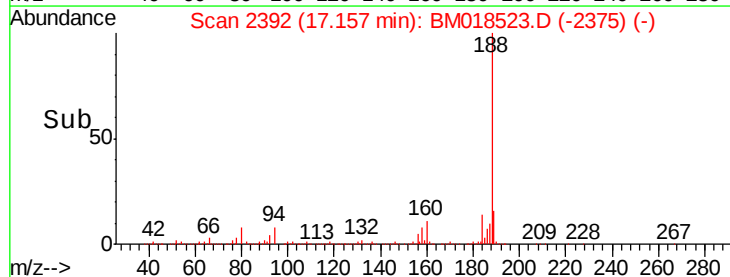


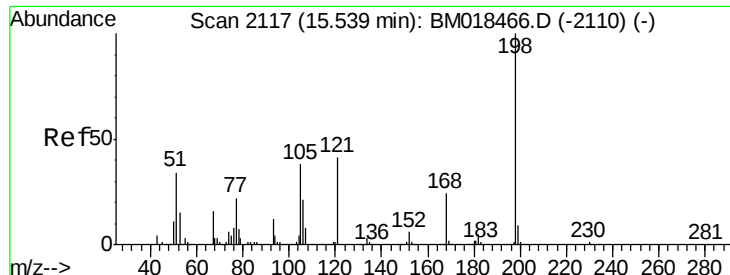
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2392
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion: 188 Resp: 2937058
Ion Ratio Lower Upper
188 100
94 7.7 7.1 10.7
80 8.4 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): BM018523.D (-2375) (-)
Ion 94.00 (93.70 to 94.70): BM018523.D (-2375) (-)
Ion 80.00 (79.70 to 80.70): BM018523.D (-2375) (-)

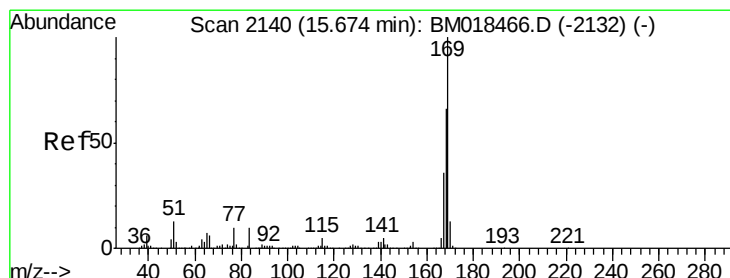
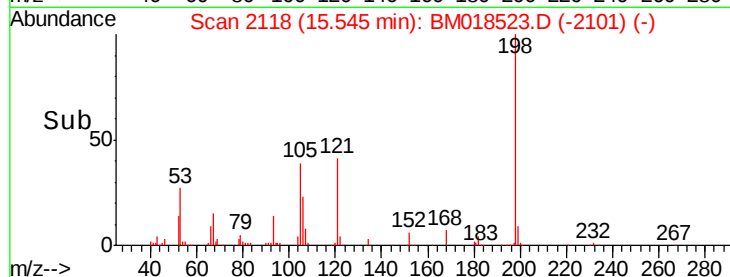
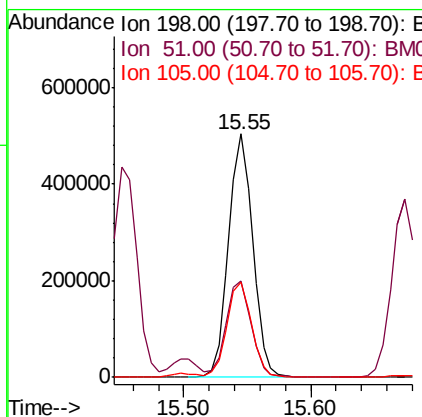
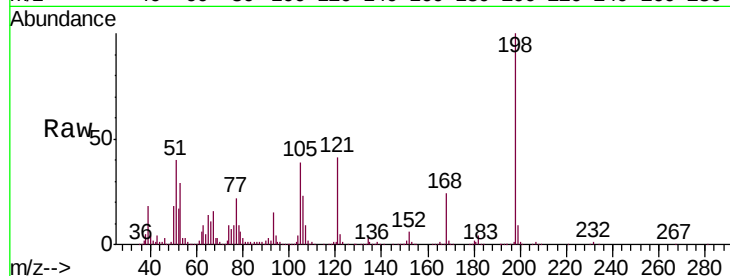




#65
4,6-Dinitro-2-methylphenol
Concen: 37.039 ng
RT: 15.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

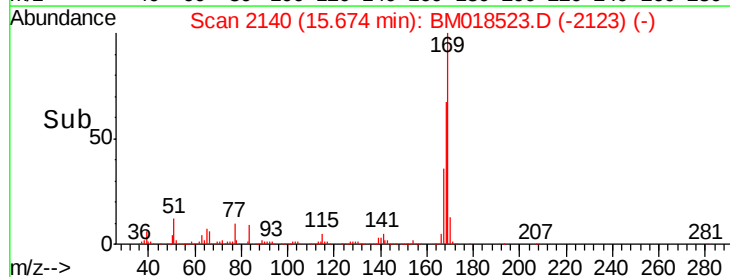
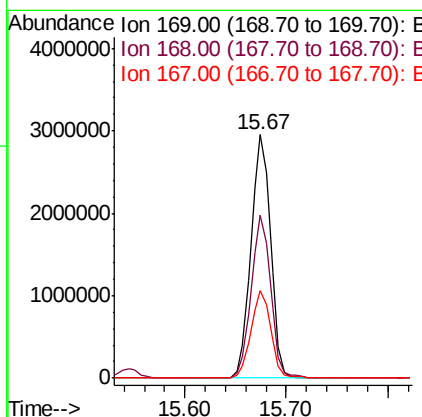
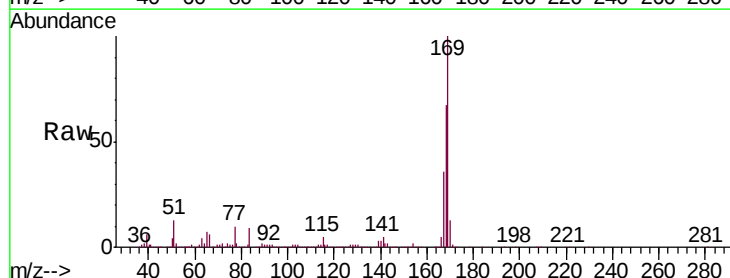
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

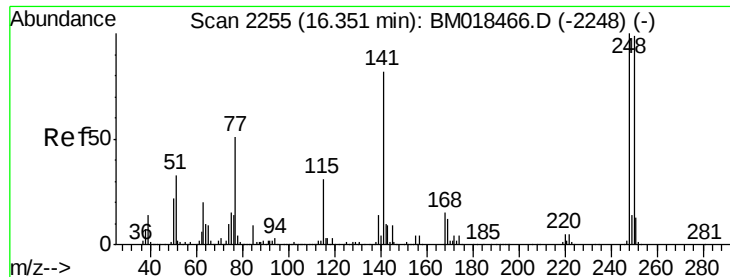
Tgt Ion:198 Resp: 667410
Ion Ratio Lower Upper
198 100
51 39.8 29.6 69.6
105 39.0 25.5 65.5



#66
n-Nitrosodiphenylamine
Concen: 43.363 ng
RT: 15.67 min Scan# 2140
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:169 Resp: 3950599
Ion Ratio Lower Upper
169 100
168 66.8 54.1 81.1
167 35.7 28.6 42.8

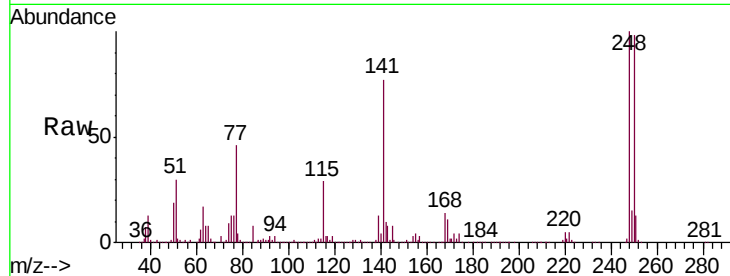




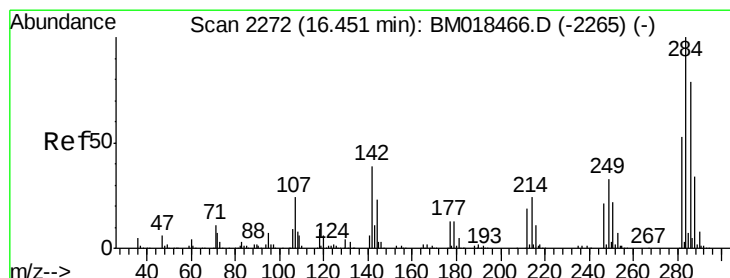
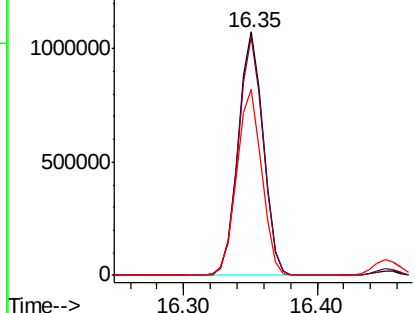
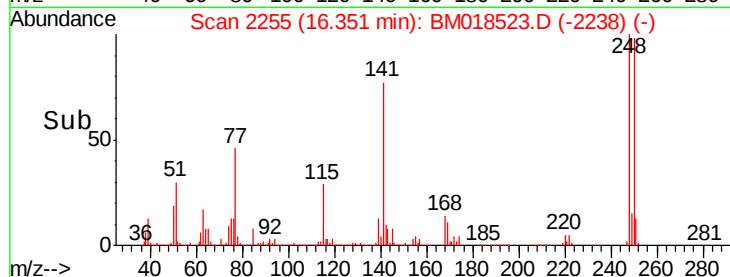
#67
 4-Bromophenyl-phenylether
 Concen: 42.312 ng
 RT: 16.35 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

Tgt Ion:248 Resp: 1390672
 Ion Ratio Lower Upper
 248 100
 250 98.0 76.0 114.0
 141 76.6 61.5 92.3

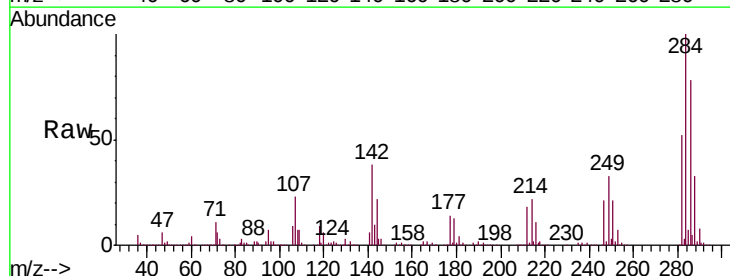


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

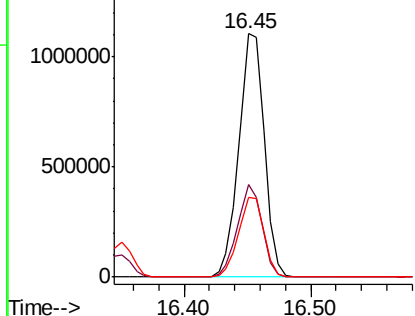
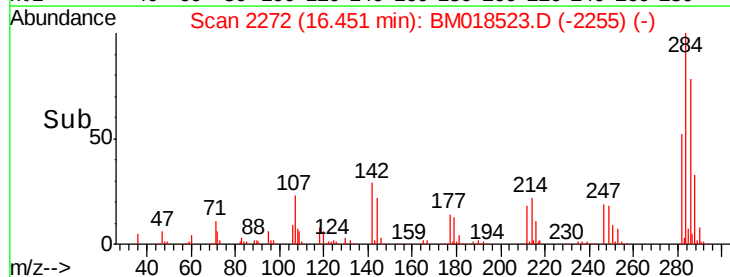


#68
 Hexachlorobenzene
 Concen: 41.521 ng
 RT: 16.45 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:284 Resp: 1527761
 Ion Ratio Lower Upper
 284 100
 142 37.8 29.2 43.8
 249 32.7 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: 44.577 ng

RT: 16.63 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

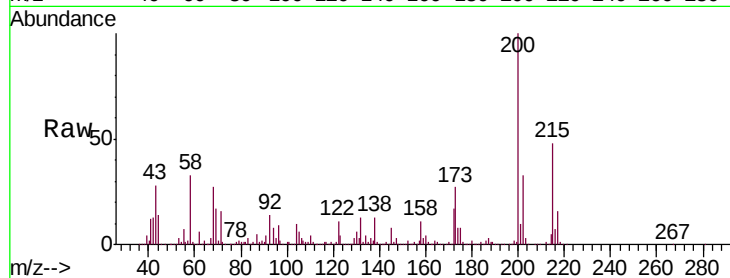
Tgt Ion:200 Resp: 1468219

Ion Ratio Lower Upper

200 100

173 26.7 7.2 47.2

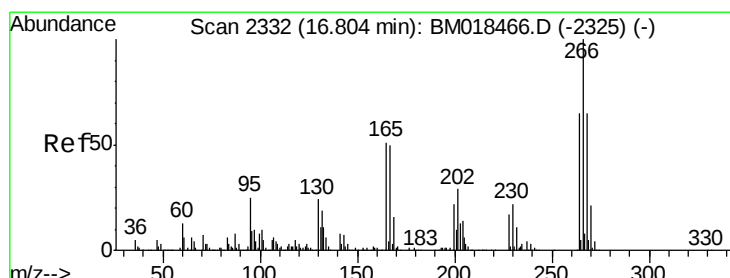
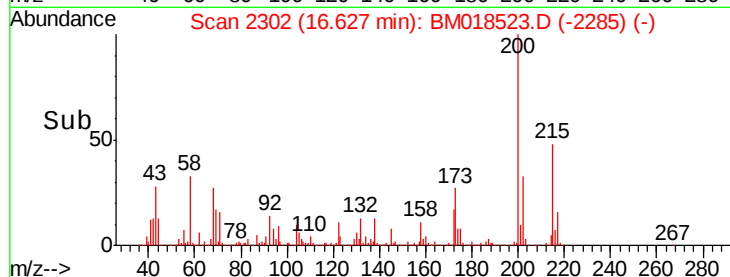
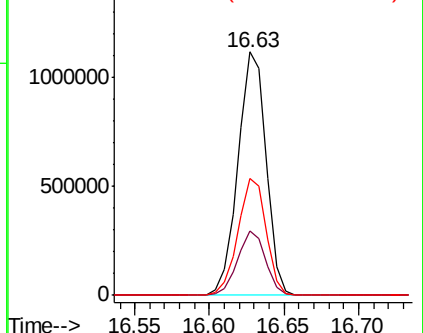
215 47.9 28.3 68.3



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: 83.380 ng

RT: 16.80 min Scan# 2332

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

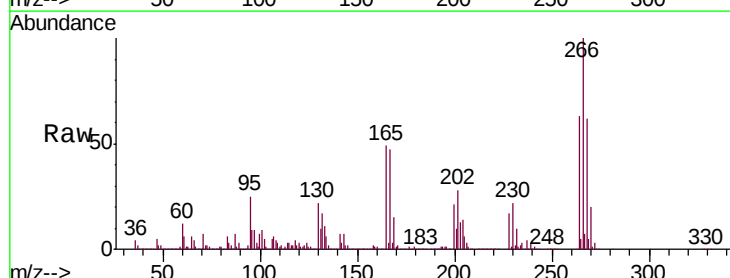
Tgt Ion:266 Resp: 2009265

Ion Ratio Lower Upper

266 100

268 62.4 49.8 74.6

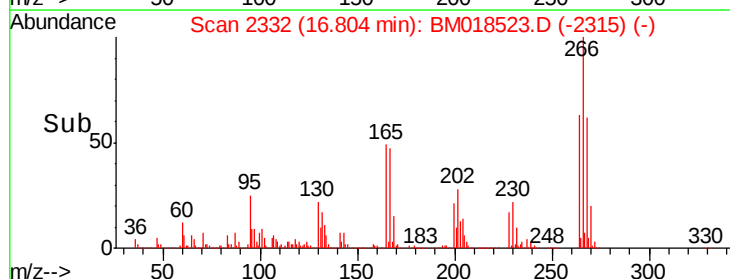
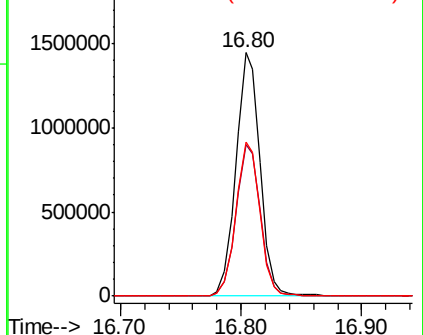
264 63.0 50.1 75.1

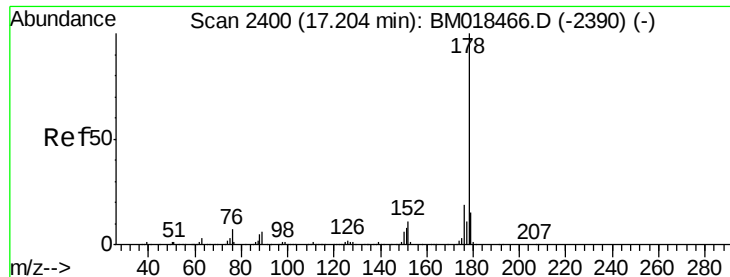


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

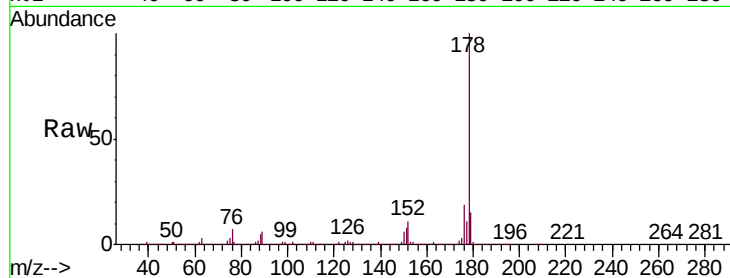




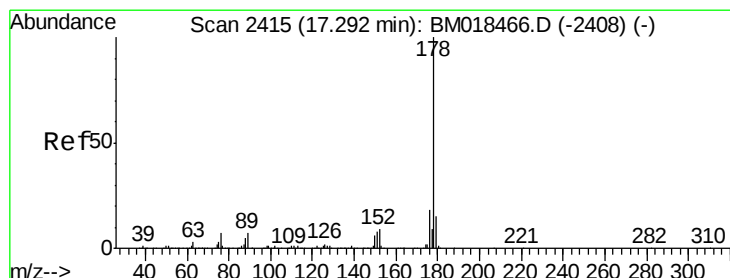
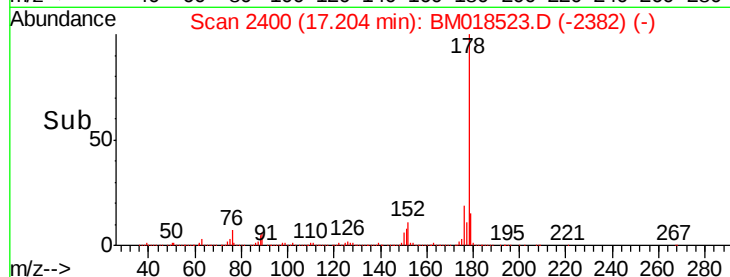
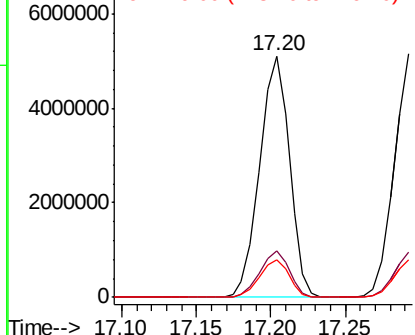
#71
Phenanthrene
Concen: 44.927 ng
RT: 17.20 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Instrument :
BNA_M
ClientSampleId :
TP-16MSD

Tgt Ion:178 Resp: 7018539
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.2 18.4

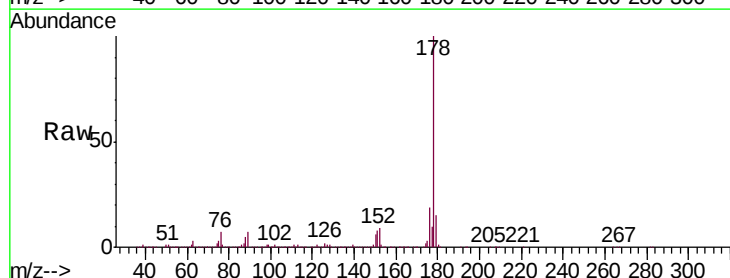


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

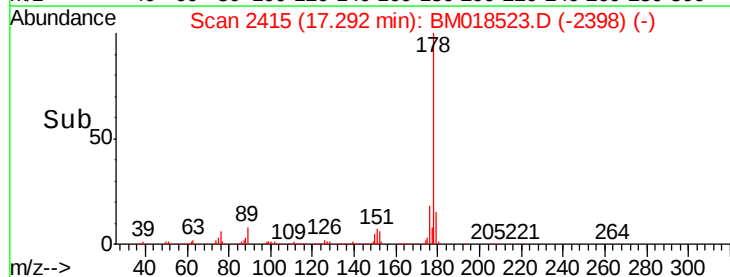
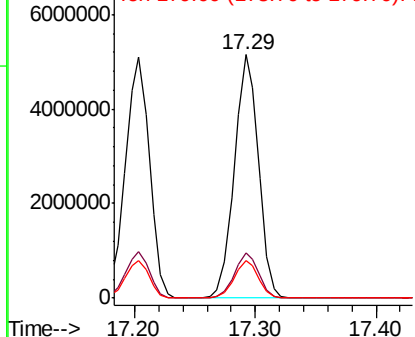


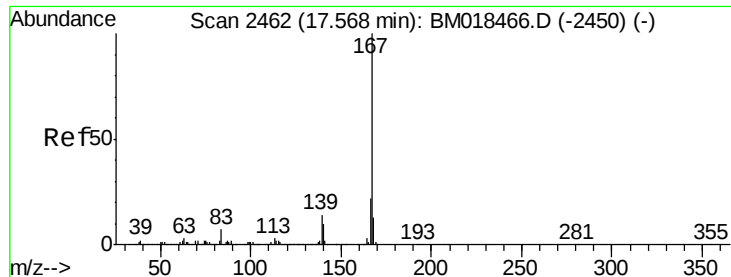
#72
Anthracene
Concen: 47.442 ng
RT: 17.29 min Scan# 2415
Delta R.T. 0.00 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:178 Resp: 7126947
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.4 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

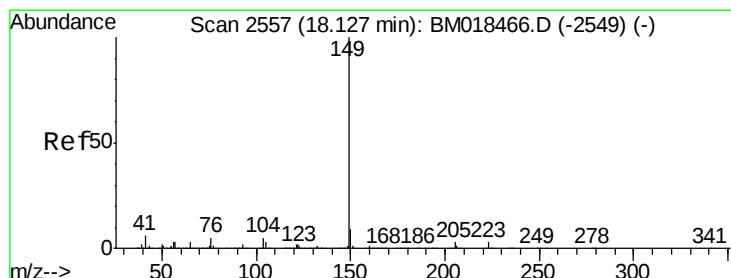
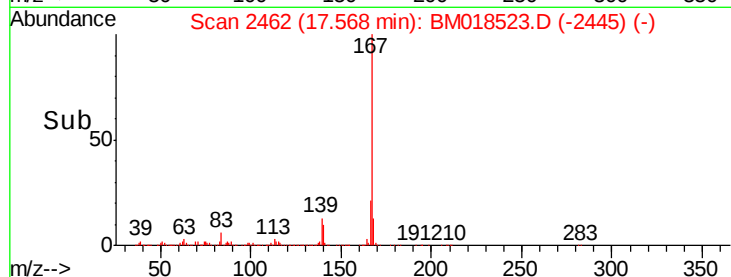
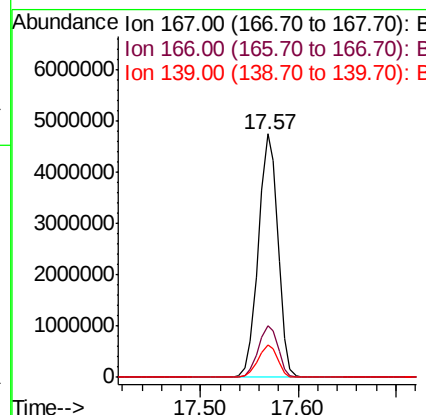
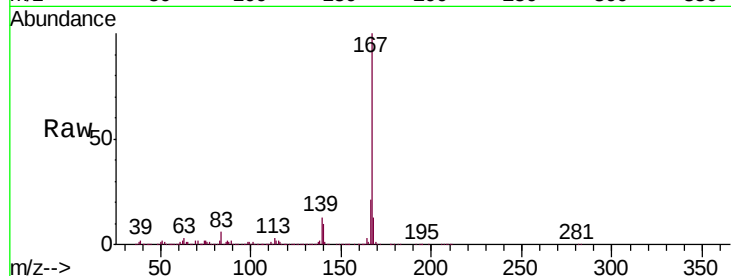




#73
 Carbazole
 Concen: 42.846 ng
 RT: 17.57 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

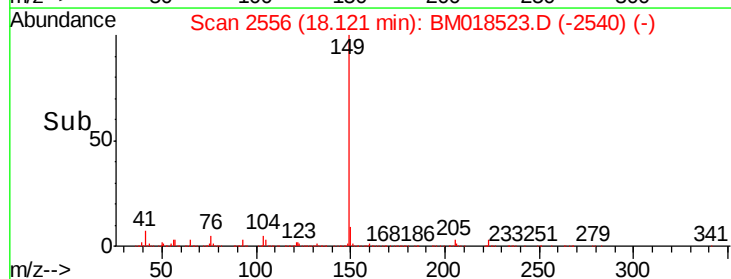
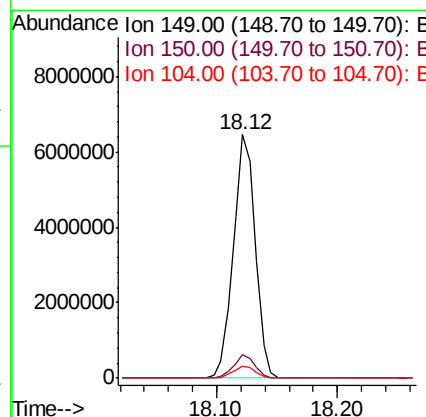
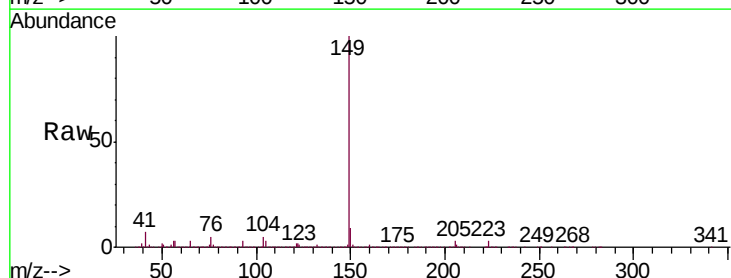
Instrument :
 BNA_M
 ClientSampleId :
 TP-16MSD

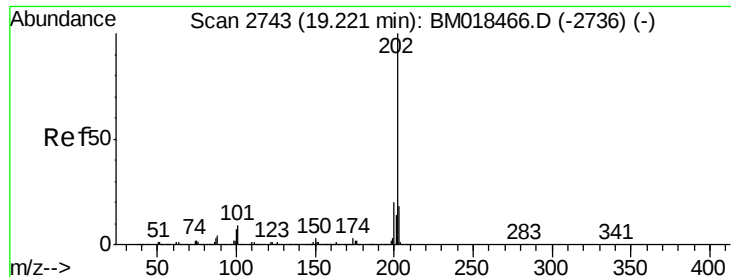
Tgt Ion:167 Resp: 6612835
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 13.1 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 48.046 ng
 RT: 18.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BM018523.D
 Acq: 10 Jan 2019 23:53

Tgt Ion:149 Resp: 8122534
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.3 10.9
 104 5.1 4.2 6.4





#75

Fluoranthene

Concen: 46.497 ng

RT: 19.22 min Scan# 2743

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

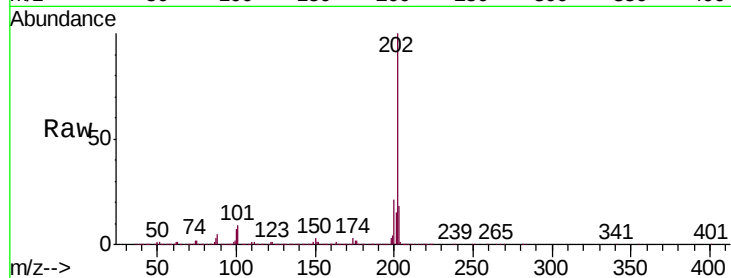
Tgt Ion:202 Resp: 8374568

Ion Ratio Lower Upper

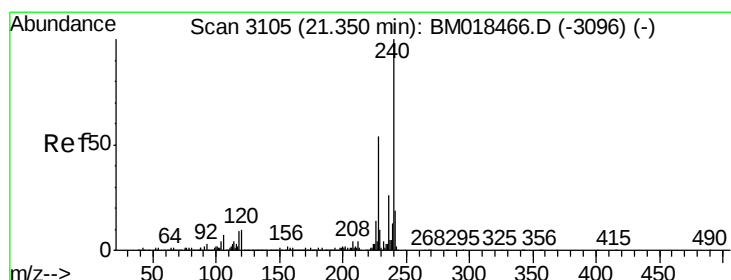
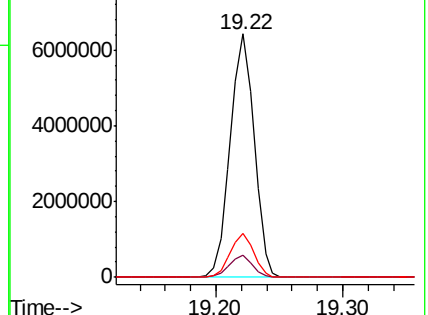
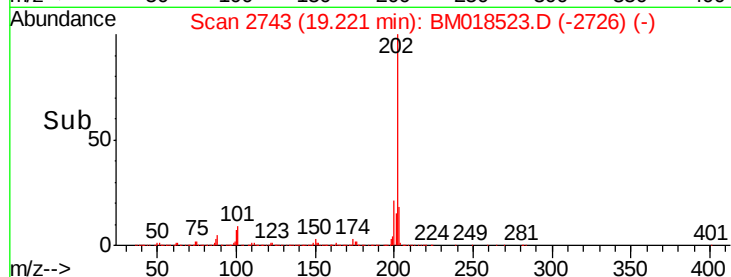
202 100

101 8.9 0.0 30.9

203 18.1 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: 21.35 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

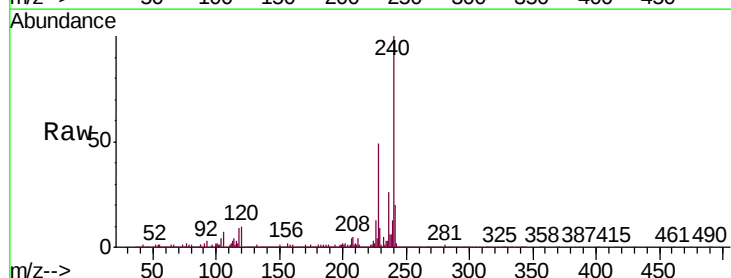
Tgt Ion:240 Resp: 3109629

Ion Ratio Lower Upper

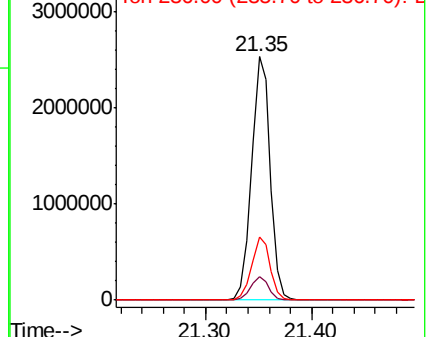
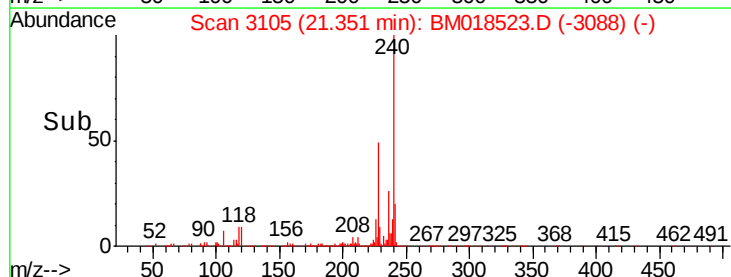
240 100

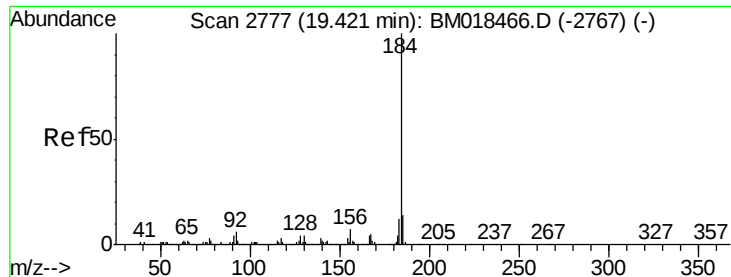
120 9.7 8.4 12.6

236 26.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 49.959 ng

RT: 19.42 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

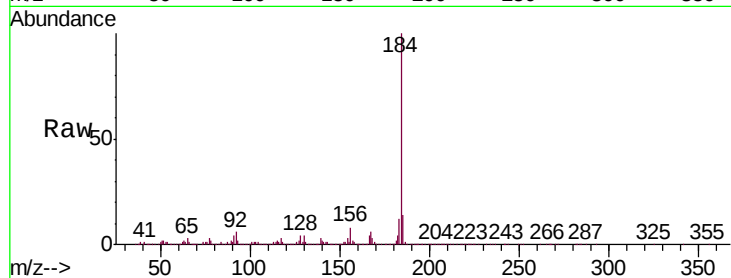
Tgt Ion:184 Resp: 3835940

Ion Ratio Lower Upper

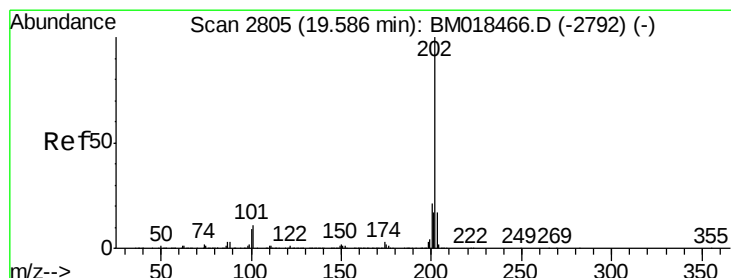
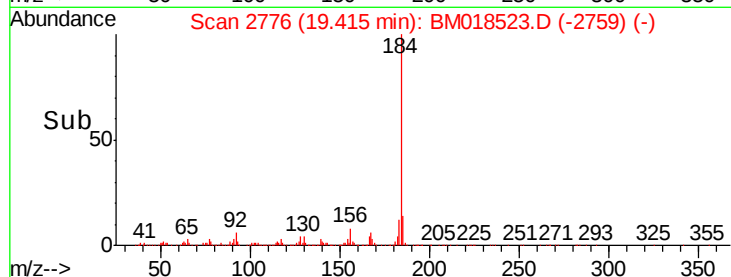
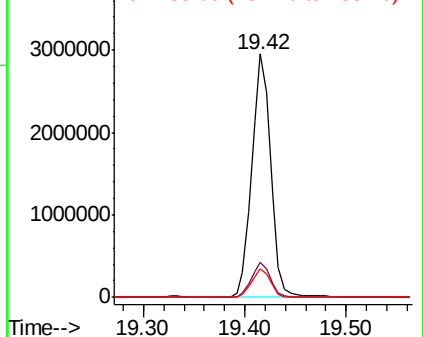
184 100

185 14.3 11.4 17.0

183 11.5 9.5 14.3



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.296 ng

RT: 19.59 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

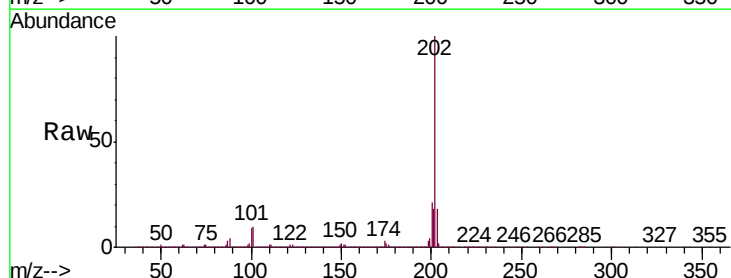
Tgt Ion:202 Resp: 8533502

Ion Ratio Lower Upper

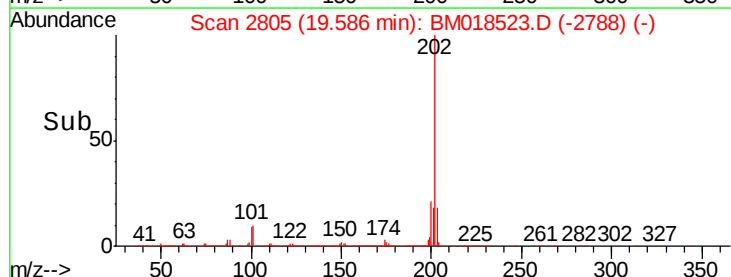
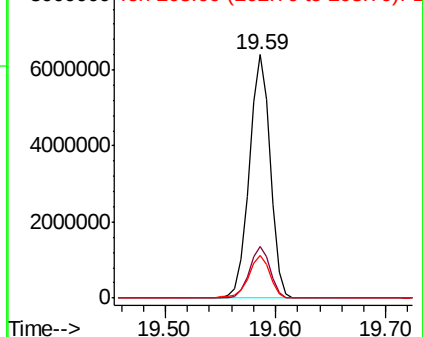
202 100

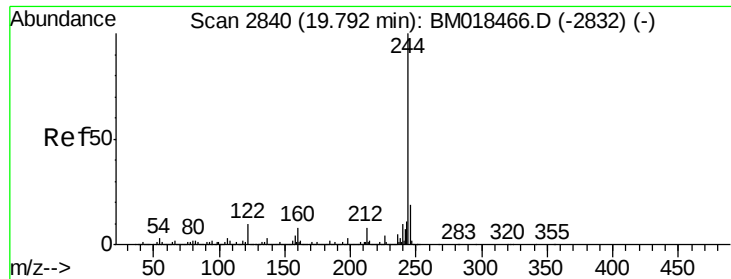
200 21.1 16.6 24.8

203 17.7 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: 79.797 ng

RT: 19.79 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

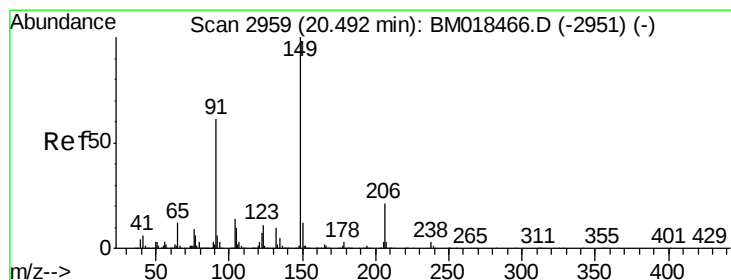
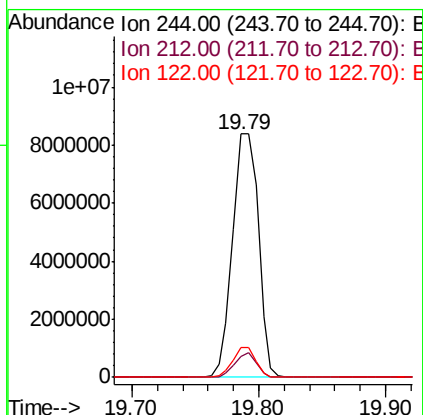
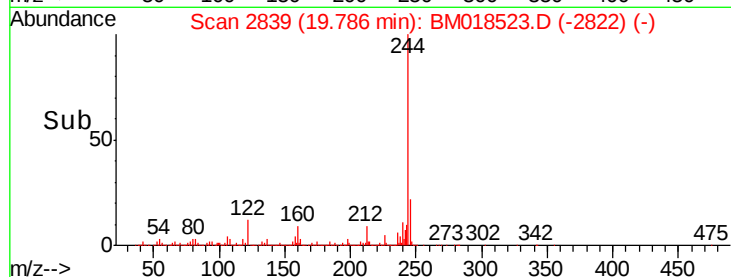
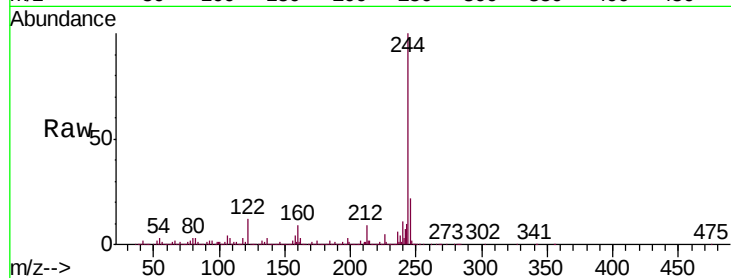
Tgt Ion:244 Resp:11771062

Ion Ratio Lower Upper

244 100

212 8.7 5.9 8.9

122 12.0 9.0 13.4



#80

Butylbenzylphthalate

Concen: 49.998 ng

RT: 20.49 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

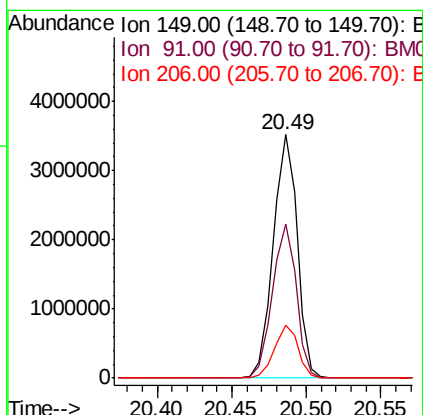
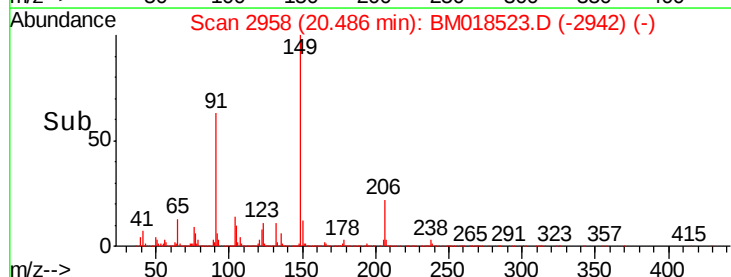
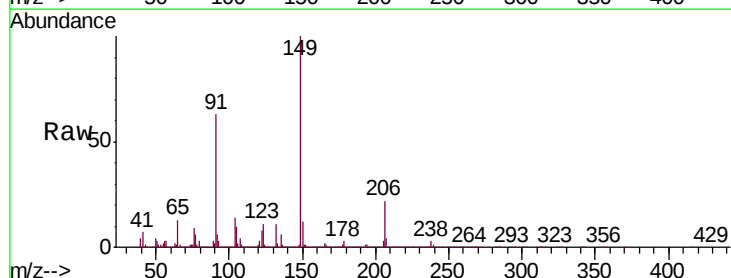
Tgt Ion:149 Resp: 3932455

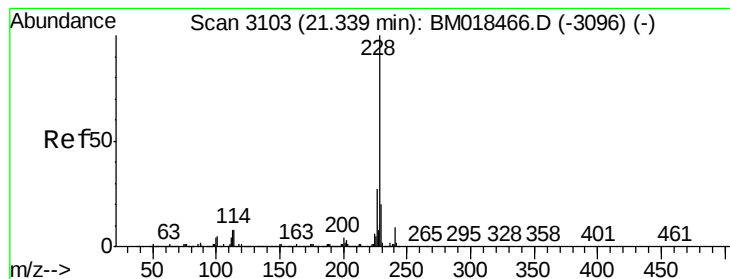
Ion Ratio Lower Upper

149 100

91 63.4 53.1 79.7

206 21.6 16.2 24.4





#81

Benzo(a)anthracene

Concen: 45.746 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

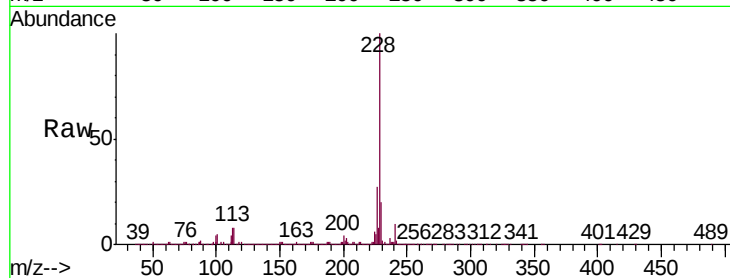
Tgt Ion:228 Resp: 8380397

Ion Ratio Lower Upper

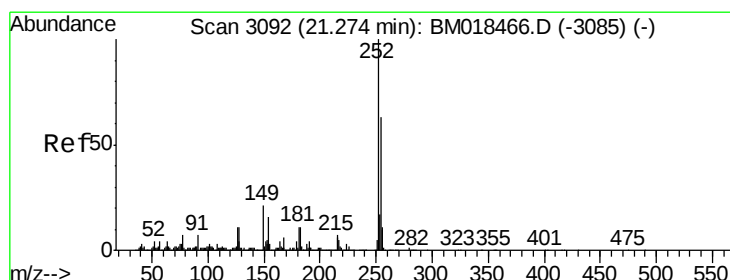
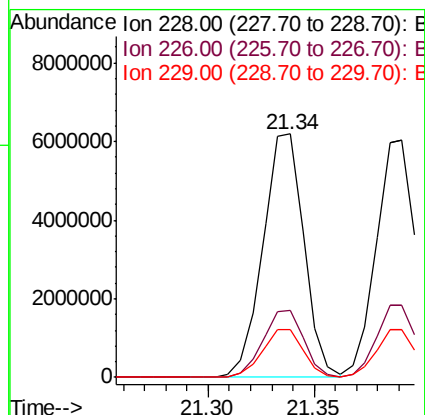
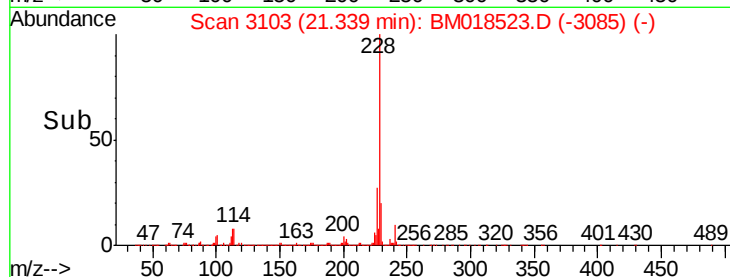
228 100

226 27.3 21.8 32.6

229 19.9 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: 20.813 ng

RT: 21.27 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

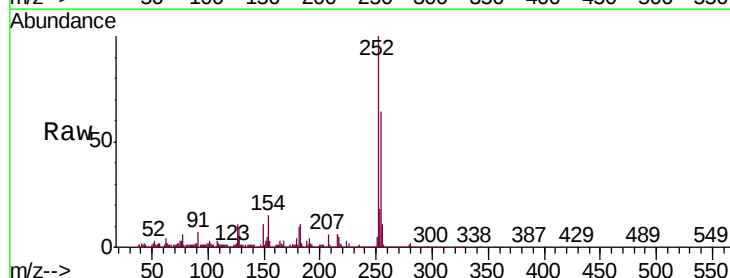
Tgt Ion:252 Resp: 1441815

Ion Ratio Lower Upper

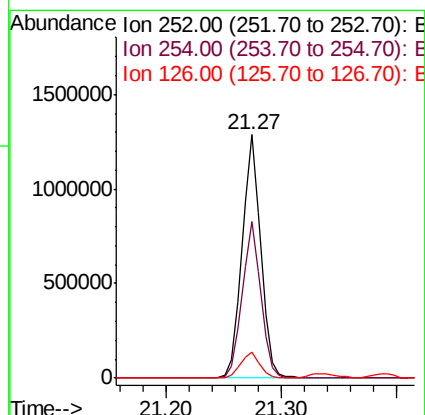
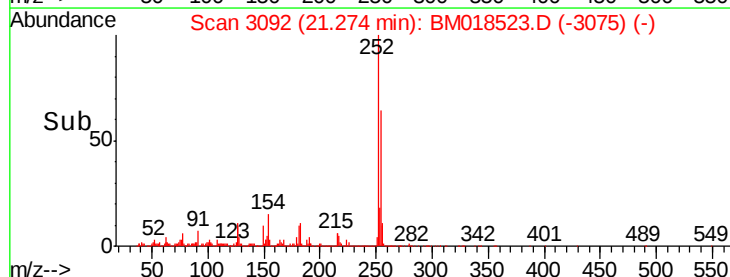
252 100

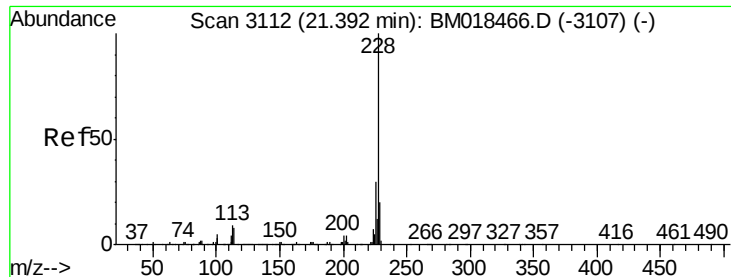
254 64.2 51.4 77.0

126 10.6 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: 44.200 ng

RT: 21.39 min Scan# 3112

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

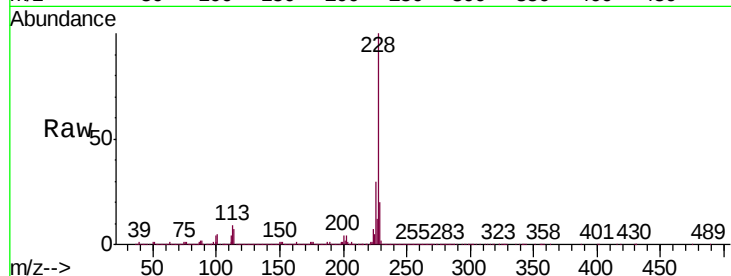
Tgt Ion:228 Resp: 7819034

Ion Ratio Lower Upper

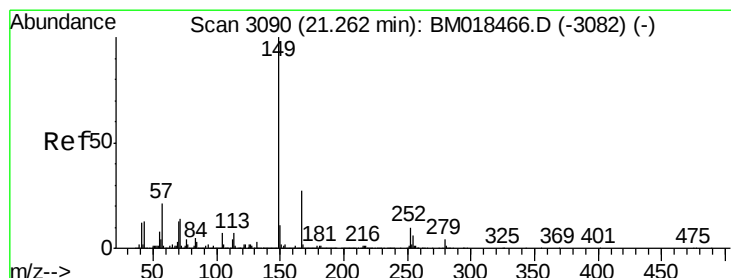
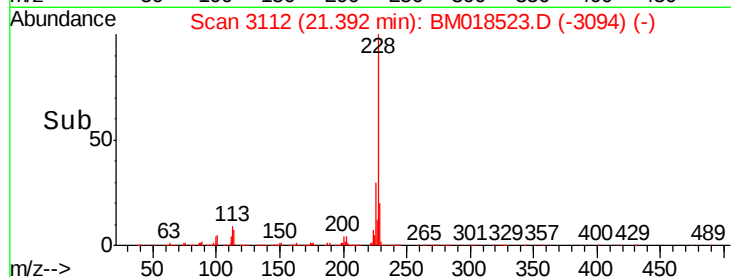
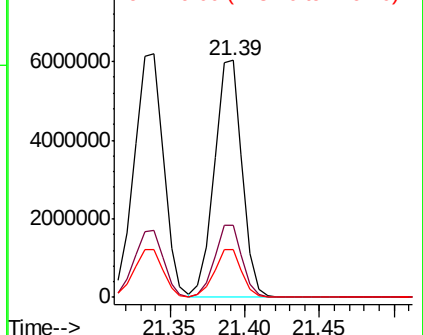
228 100

226 30.4 24.2 36.2

229 19.9 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: 49.726 ng

RT: 21.26 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

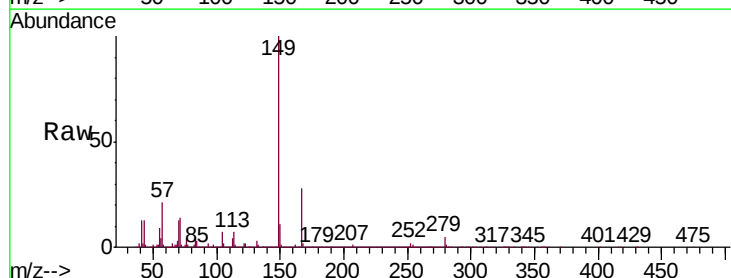
Tgt Ion:149 Resp: 5647571

Ion Ratio Lower Upper

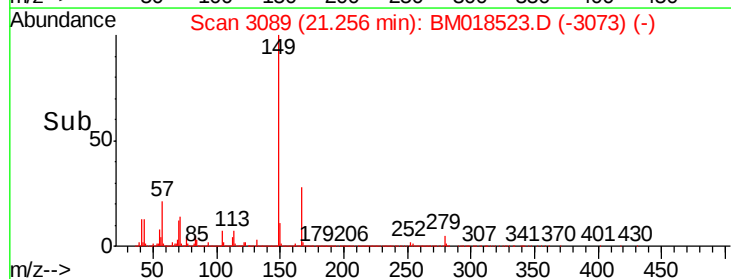
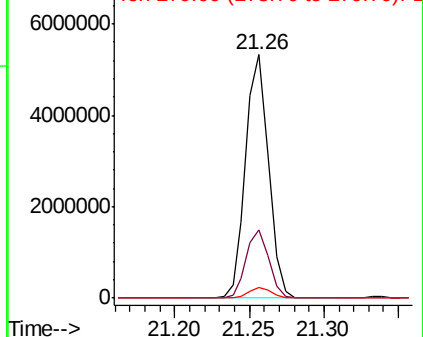
149 100

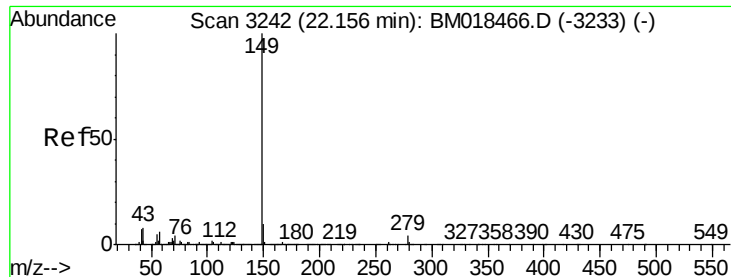
167 27.8 21.6 32.4

279 4.6 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: 50.488 ng

RT: 22.15 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

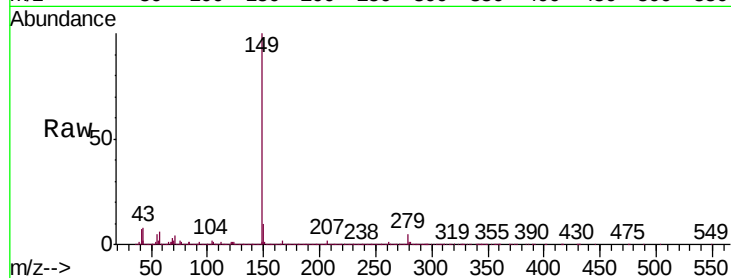
Tgt Ion:149 Resp: 9644289

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

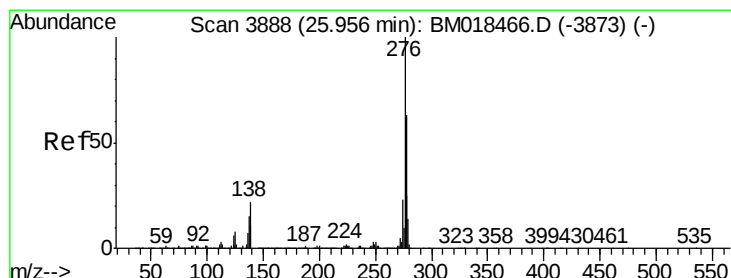
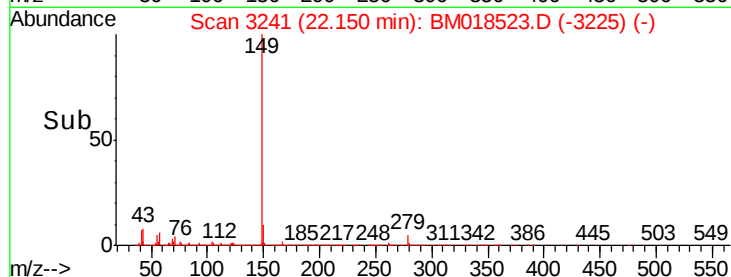
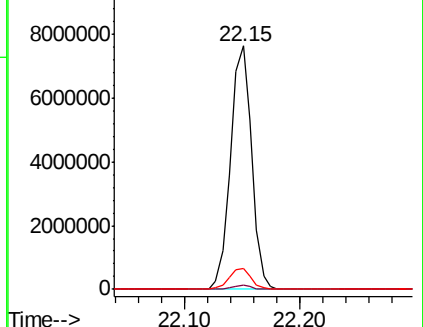
43 8.5 8.6 12.8#



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: 35.358 ng

RT: 25.96 min Scan# 3888

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

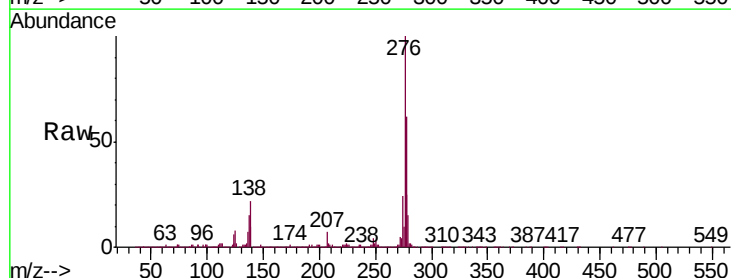
Tgt Ion:276 Resp: 7212549

Ion Ratio Lower Upper

276 100

138 23.4 21.5 32.3

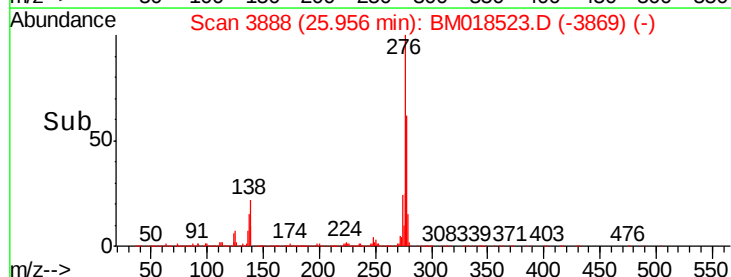
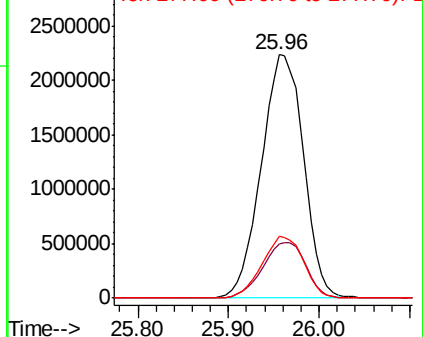
277 25.0 20.2 30.2

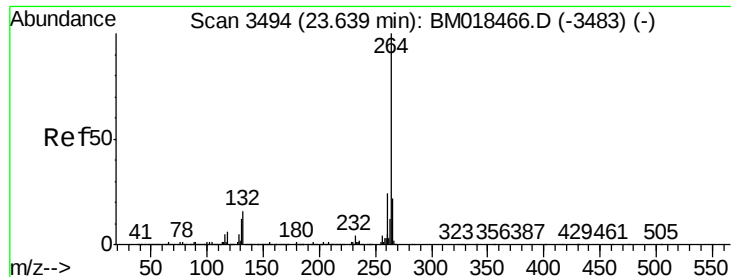


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

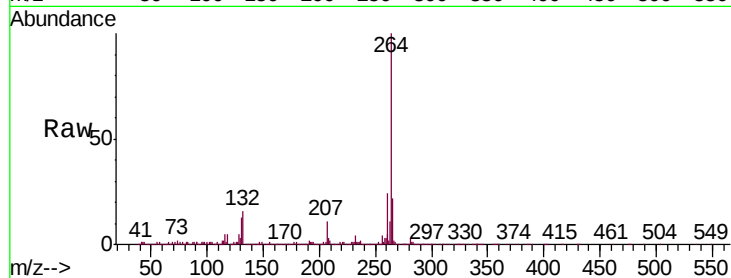
Tgt Ion:264 Resp: 2772224

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

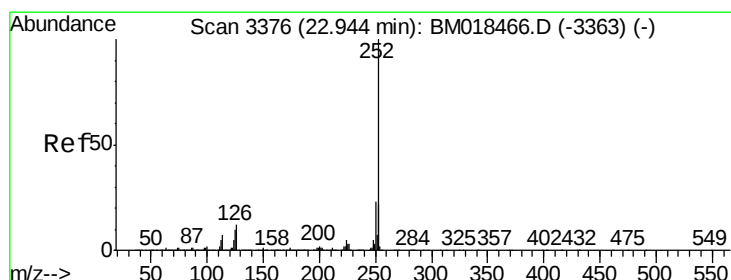
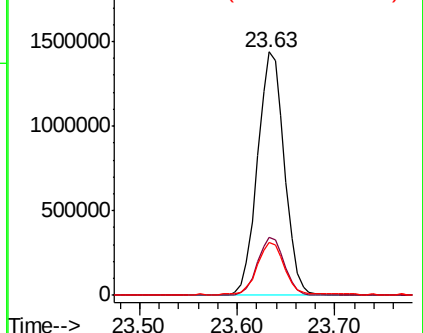
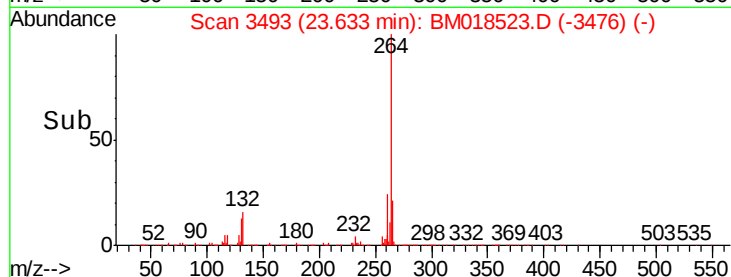
265 21.5 16.8 25.2



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: 47.596 ng

RT: 22.95 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

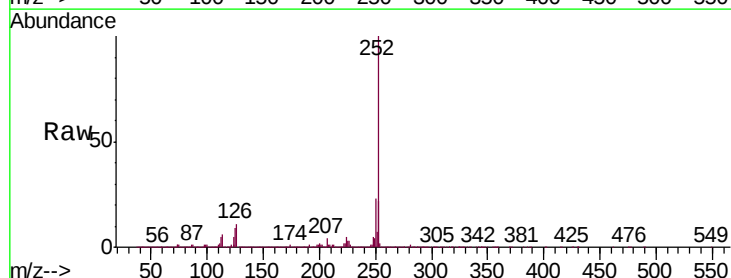
Tgt Ion:252 Resp: 7490942

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

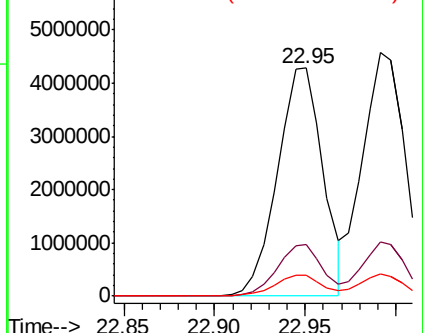
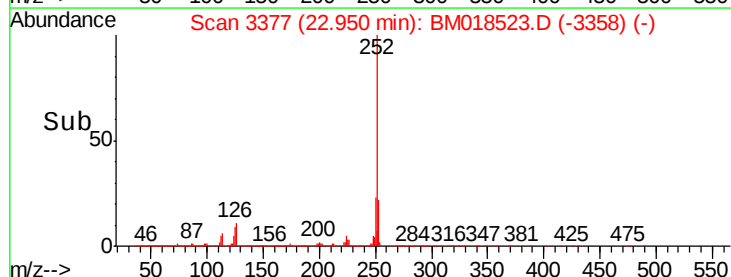
125 9.0 8.5 12.7

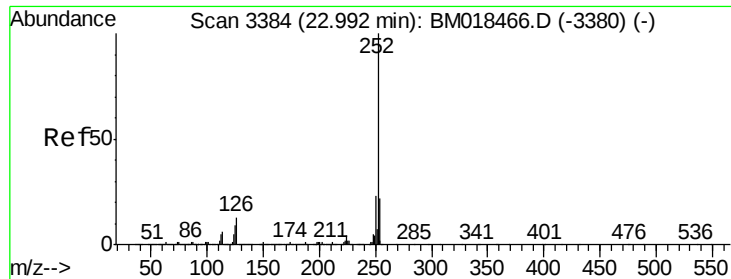


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

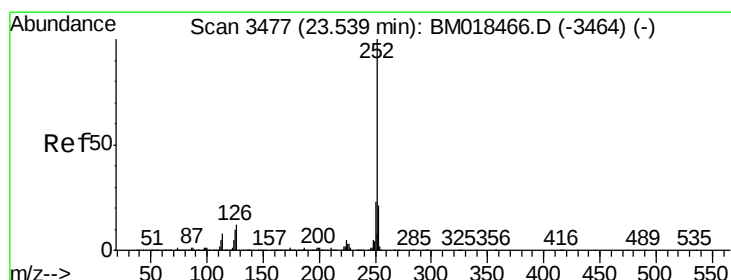
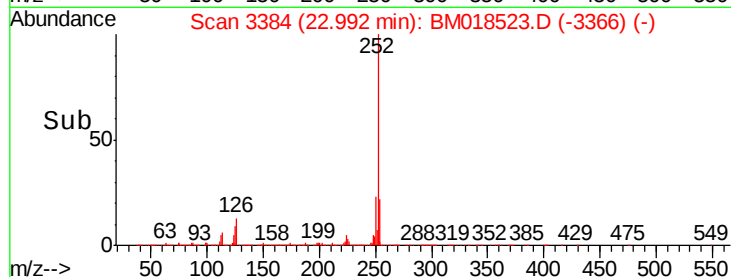
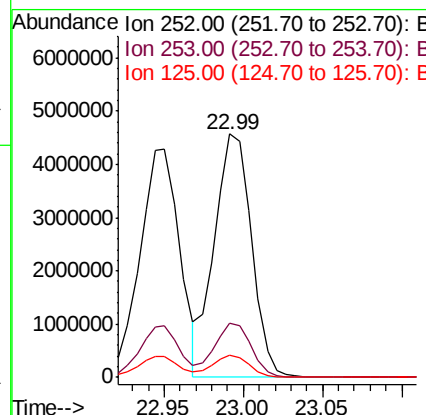
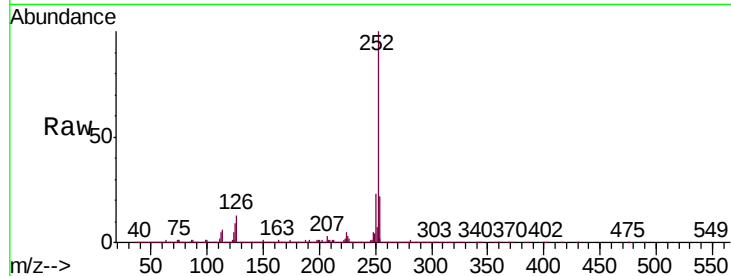




#89
Benzo(k)fluoranthene
Concen: 47.042 ng
RT: 22.99 min Scan# 3384
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

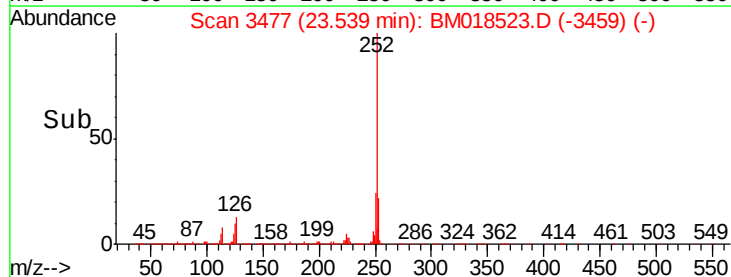
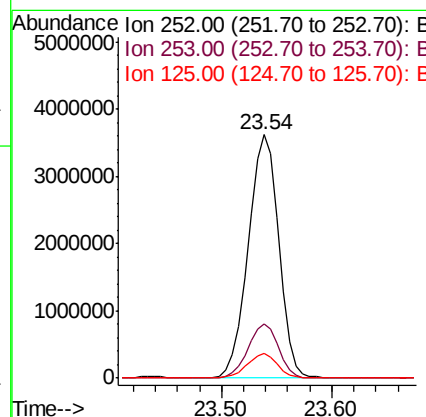
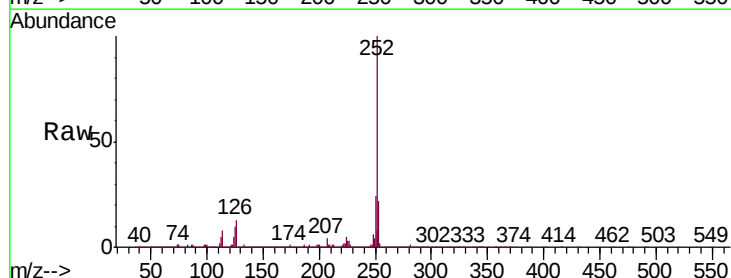
Instrument :
BNA_M
ClientSampleId :
TP-16MSD

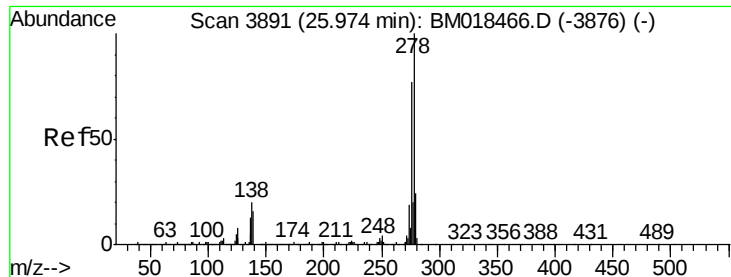
Tgt Ion:252 Resp: 7461268
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.3 8.6 12.8



#90
Benzo(a)pyrene
Concen: 46.754 ng
RT: 23.54 min Scan# 3477
Delta R.T. 0.01 min
Lab File: BM018523.D
Acq: 10 Jan 2019 23:53

Tgt Ion:252 Resp: 7044580
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.1 9.7 14.5





#91

Dibenzo(a,h)anthracene

Concen: 39.822 ng

RT: 25.97 min Scan# 3891

Delta R.T. 0.01 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

Instrument :

BNA_M

ClientSampleId :

TP-16MSD

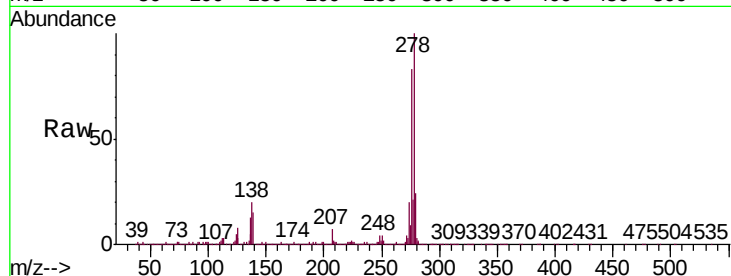
Tgt Ion:278 Resp: 6079553

Ion Ratio Lower Upper

278 100

139 14.9 13.2 19.8

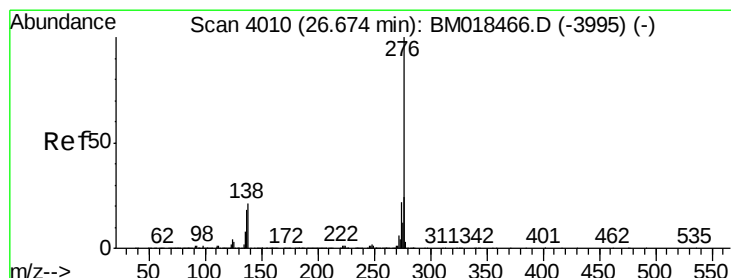
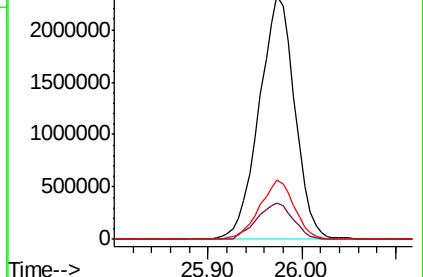
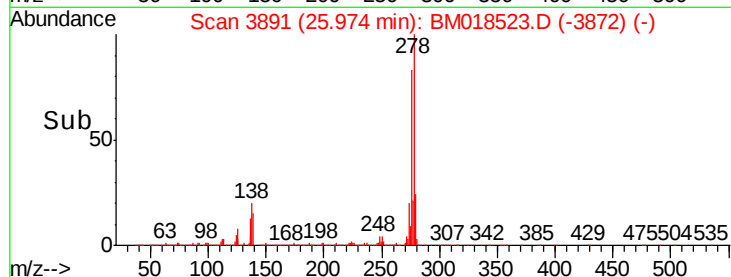
279 24.3 19.0 28.4



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: 38.893 ng

RT: 26.68 min Scan# 4011

Delta R.T. 0.02 min

Lab File: BM018523.D

Acq: 10 Jan 2019 23:53

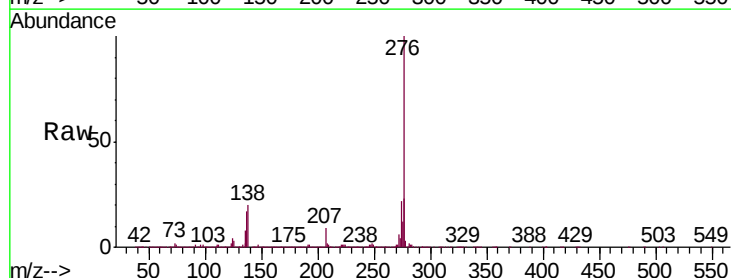
Tgt Ion:276 Resp: 5778195

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 19.9 18.1 27.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

