

Data Path : Z:\HPCHEM1\BNA M\Data\BM011018\
 Data File : BM013559.D
 Acq On : 10 Jan 2018 10:25
 Operator : SJ/JU
 Sample : SSTD02010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02010

Quant Time: Jan 10 12:09:37 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 10 12:03:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.628	152	108382	20.00	ng/ul	0.00
18) Naphthalene-d8	10.404	136	422258	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.275	164	240757	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.027	188	578206	20.00	ng/ul	0.00
75) Chrysene-d12	21.221	240	662303	20.00	ng/ul	0.00
83) Perylene-d12	23.427	264	631941	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.169	96	21693	9.91	ng/uL	0.00
5) Phenol-d5	6.810	99	158752	16.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)eth...	6.969	67	100883	18.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.157	132	137865	18.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.340	113	122854	15.34	ng/ul	0.00
19) Nitrobenzene-d5	8.775	128	64634	19.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.498	143	68024	18.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.034	165	134218	18.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.551	131	104318	15.37	ng/ul	0.00
43) Dimethylphthalate-d6	13.692	166	395407	18.46	ng/ul	0.00
46) Acenaphthylene-d8	13.963	160	506637	19.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.498	143	58334	15.67	ng/ul	0.00
57) Fluorene-d10	15.275	176	353736	19.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylph...	15.410	200	62105	17.07	ng/ul	0.00
70) Anthracene-d10	17.122	188	562982	19.44	ng/ul	0.00
76) Pyrene-d10	19.427	212	614088	18.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.286	264	585007	18.17	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.205	88	22936	9.34	ng/uL#	67
4) Benzaldehyde	6.781	77	124674	26.87	ng/ul	94
6) Phenol	6.834	94	163632	17.65	ng/ul#	86
8) Bis(2-Chloroethyl)ether	7.063	93	125340	17.68	ng/ul	99
10) 2-Chlorophenol	7.193	128	132110	18.39	ng/ul	97
11) 2-Methylphenol	8.075	108	118909	16.59	ng/ul	98
12) 2,2'-oxybis(1-Chloropr...	8.163	45	130982	17.60	ng/ul#	80
14) Acetophenone	8.446	105	204922	16.82	ng/ul	93
15) N-Nitroso-di-n-propyla...	8.434	70	99325	16.19	ng/ul#	73
16) 4-Methylphenol	8.399	108	128447	16.75	ng/ul	92
17) Hexachloroethane	8.687	117	63490	20.30	ng/ul#	68
20) Nitrobenzene	8.822	77	166312	19.72	ng/ul	99
21) Isophorone	9.346	82	269226	18.14	ng/ul	96
23) 2-Nitrophenol	9.528	139	70498	18.97	ng/ul#	82
24) 2,4-Dimethylphenol	9.593	107	150873	18.62	ng/ul#	88
25) Bis(2-Chloroethoxy)met...	9.828	93	168731	19.42	ng/ul	94
27) 2,4-Dichlorophenol	10.057	162	128333	18.81	ng/ul#	95
28) Naphthalene	10.451	128	412081	18.97	ng/ul	99
30) 4-Chloroaniline	10.575	127	100178	15.24	ng/ul	89
31) Hexachlorobutadiene	10.734	225	103767	21.00	ng/ul	97
32) Caprolactam	11.357	113	22048	10.11	ng/ul#	25
33) 4-Chloro-3-methylphenol	11.710	107	126055	16.84	ng/ul	96
34) 2-Methylnaphthalene	12.075	142	301306	18.45	ng/ul	91

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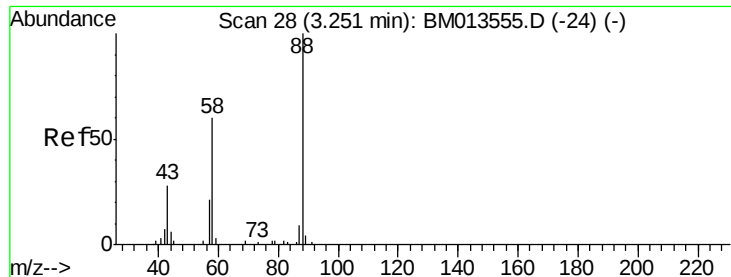
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

36) 1,2,4,5-Tetrachloroben...	12.451	216	177723	20.46	ng/ul#	93
37) Hexachlorocyclopentadiene	12.422	237	65092	11.38	ng/ul	94
38) 2,4,6-Trichlorophenol	12.698	196	105300	19.44	ng/ul	98
39) 2,4,5-Trichlorophenol	12.775	196	109234	18.99	ng/ul	95
40) 1,1'-Biphenyl	13.104	154	404514	19.88	ng/ul	96
41) 2-Chloronaphthalene	13.139	162	318015	19.92	ng/ul	96
42) 2-Nitroaniline	13.357	65	91249	19.51	ng/ul	98
44) Dimethylphthalate	13.739	163	386494	18.86	ng/ul	100
45) 2,6-Dinitrotoluene	13.863	165	79783	19.09	ng/ul	95
47) Acenaphthylene	13.992	152	472530	19.31	ng/ul	97
48) 3-Nitroaniline	14.192	138	55538	14.87	ng/ul#	93
49) Acenaphthene	14.339	153	320699	19.24	ng/ul	99
50) 2,4-Dinitrophenol	14.410	184	37664	16.29	ng/ul	89
52) 4-Nitrophenol	14.510	109	66198	18.13	ng/ul#	79
53) Dibenzofuran	14.675	168	489374	19.89	ng/ul	94
54) 2,4-Dinitrotoluene	14.657	165	114189	18.78	ng/ul#	97
55) 2,3,4,6-Tetrachlorophenol	14.910	232	99192	18.80	ng/ul#	85
56) Diethylphthalate	15.110	149	384518	18.71	ng/ul	95
58) Fluorene	15.328	166	394607	19.39	ng/ul	99
59) 4-Chlorophenyl-phenyle...	15.328	204	214520	19.42	ng/ul	95
60) 4-Nitroaniline	15.363	138	72819	16.52	ng/ul	85
63) 4,6-Dinitro-2-methylph...	15.422	198	67805	18.65	ng/ul	97
64) N-Nitrosodiphenylamine	15.545	169	332280	19.51	ng/ul	99
65) 4-Bromophenyl-phenylether	16.222	248	133770	19.68	ng/ul	92
66) Hexachlorobenzene	16.333	284	144015	19.21	ng/ul#	93
67) Atrazine	16.504	200	129003	20.52	ng/ul	89
68) Pentachlorophenol	16.680	266	68349	15.77	ng/ul	96
69) Phenanthrene	17.069	178	636381	19.37	ng/ul	99
71) Anthracene	17.157	178	648221	19.31	ng/ul	98
72) Carbazole	17.433	167	534352	18.50	ng/ul	98
73) Di-n-butylphthalate	18.004	149	632867	18.77	ng/ul	100
74) Fluoranthene	19.092	202	755837	18.78	ng/ul#	95
77) Pyrene	19.457	202	793933	19.73	ng/ul#	94
78) Butylbenzylphthalate	20.368	149	280756	17.86	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.145	252	209187	15.03	ng/ul#	97
80) Benzo(a)anthracene	21.204	228	787904	18.75	ng/ul	98
81) Bis(2-ethylhexyl)phtha...	21.145	149	426564	18.00	ng/ul#	96
82) Chrysene	21.257	228	730454	18.74	ng/ul	97
84) Di-n-octyl phthalate	22.015	149	708413	15.76	ng/ul	100
85) Benzo(b)fluoranthene	22.768	252	793099	18.62	ng/ul#	96
86) Benzo(k)fluoranthene	22.809	252	766814	19.13	ng/ul#	97
88) Benzo(a)pyrene	23.327	252	743411	19.43	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.633	276	862834	22.72	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.639	278	730918	22.61	ng/ul#	96
91) Benzo(g,h,i)perylene	26.303	276	714170	23.85	ng/ul#	95

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



#2

1,4-Dioxane

Concen: 9.34 ng/uL

RT: 3.205 min Scan# 20

Delta R.T. 0.000 min

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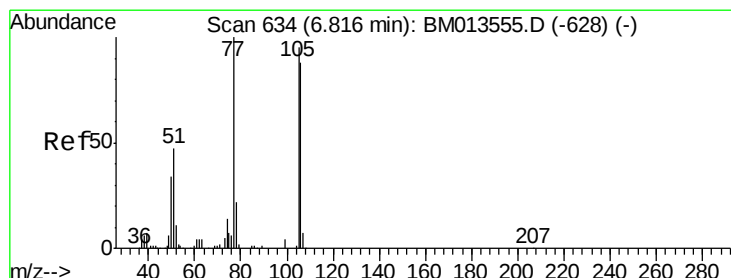
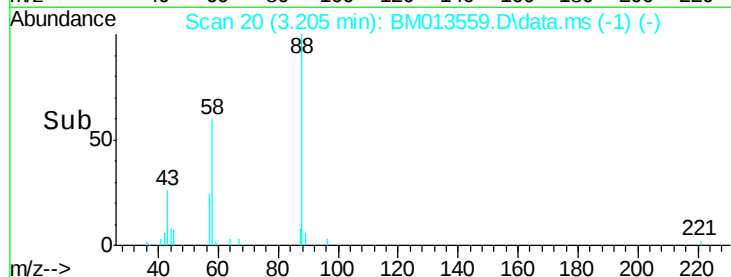
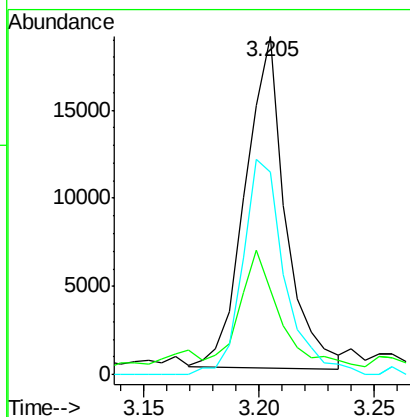
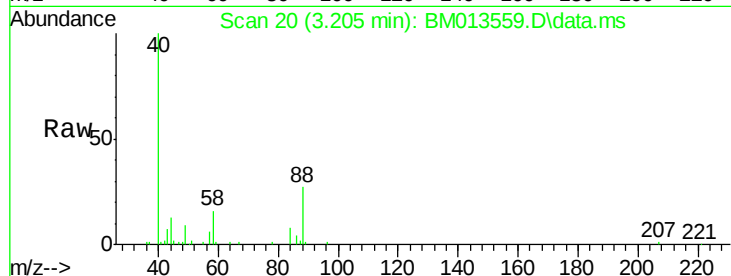
Tot Ion: 88 Resp: 22936

Ion Ratio Lower Upper

88 100

43 34.8 48.0 72.0#

58 67.8 80.0 120.0#



#4

Benzaldehyde

Concen: 26.87 ng/uL

RT: 6.781 min Scan# 628

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

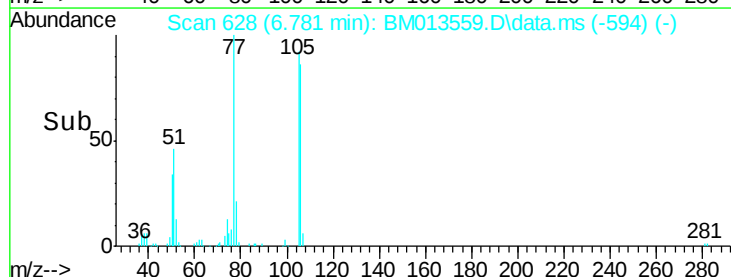
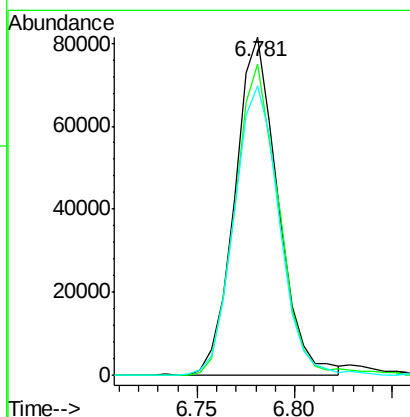
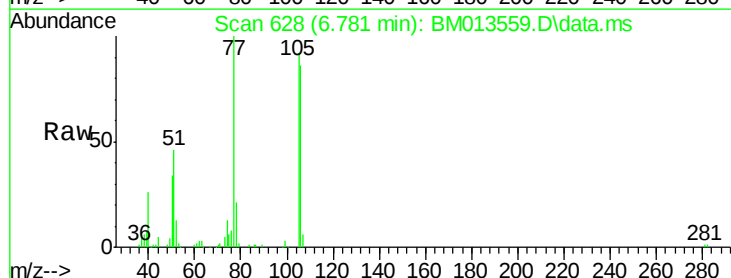
Tgt Ion: 77 Resp: 124674

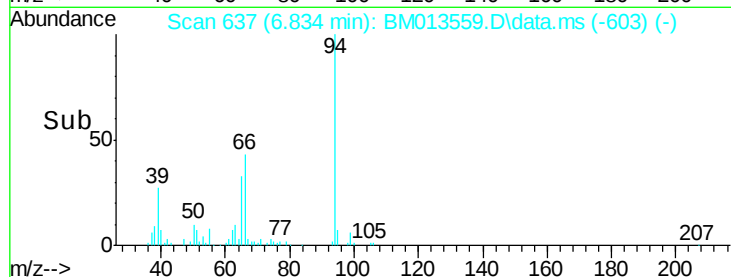
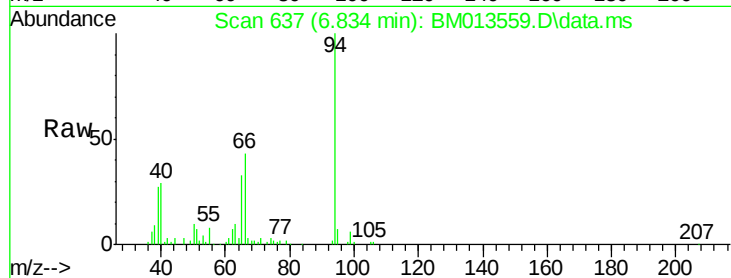
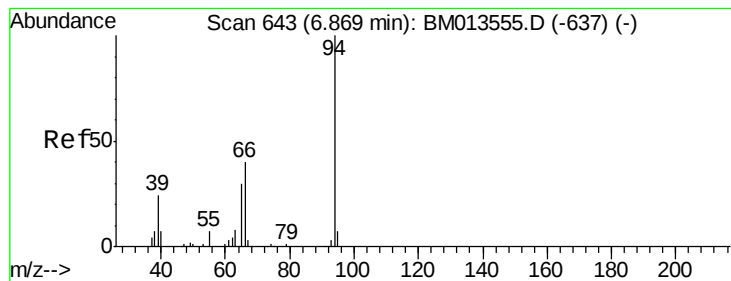
Ion Ratio Lower Upper

77 100

105 92.2 66.1 99.1

106 85.5 67.8 101.6





#6

Phenol

Concen: 17.65 ng/ul

RT: 6.834 min Scan# 63

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

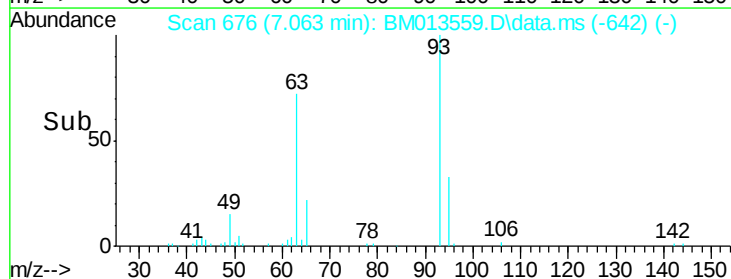
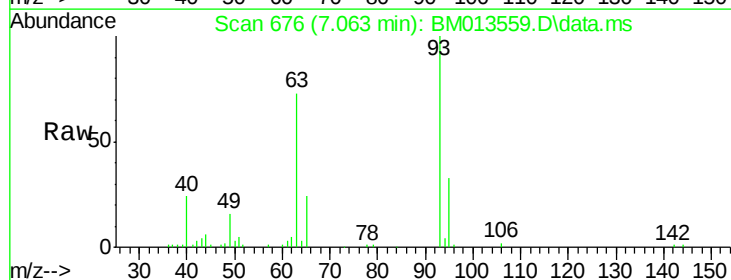
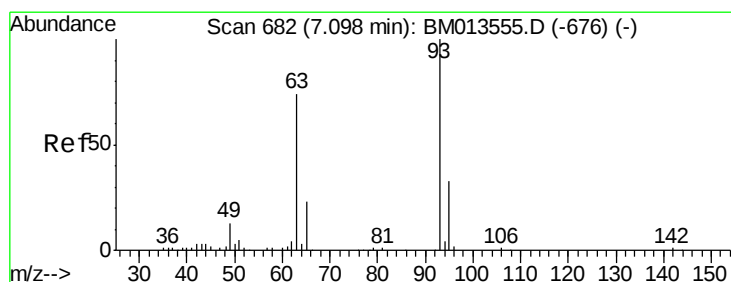
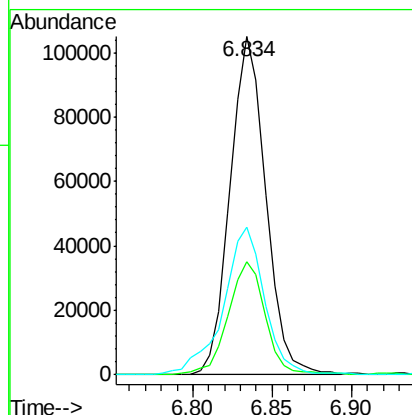
Tot Ion: 94 Resp: 163632

Ion Ratio Lower Upper

94 100

65 33.5 28.2 42.4

66 43.5 47.2 70.8#



#8

Bis(2-Chloroethyl)ether

Concen: 17.68 ng/ul

RT: 7.063 min Scan# 676

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

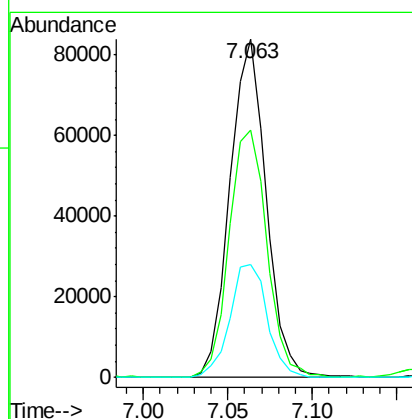
Tgt Ion: 93 Resp: 125340

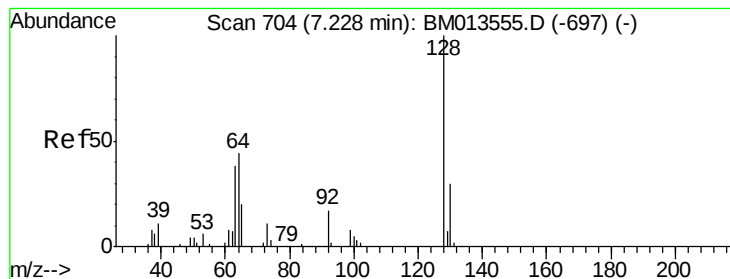
Ion Ratio Lower Upper

93 100

63 73.0 57.3 85.9

95 33.3 26.6 39.8





#10

2-Chlorophenol

Concen: 18.39 ng/ul

RT: 7.193 min Scan# 69

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

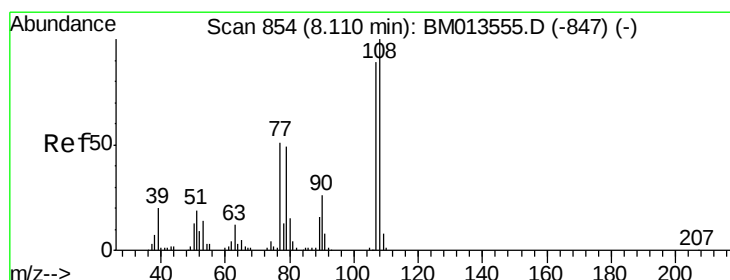
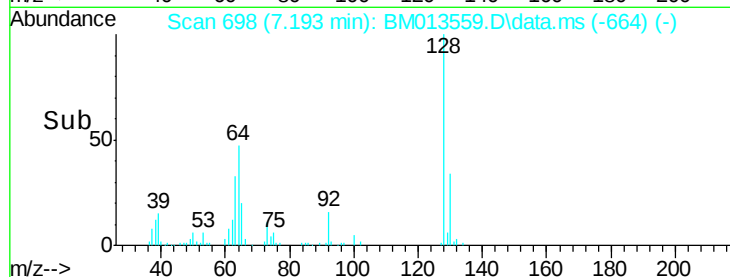
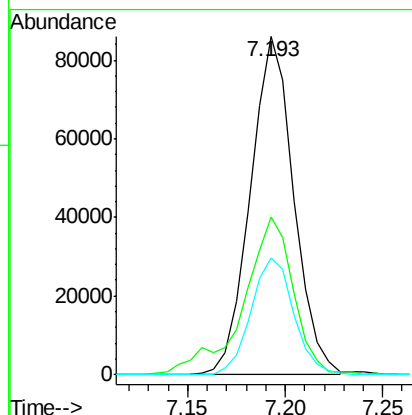
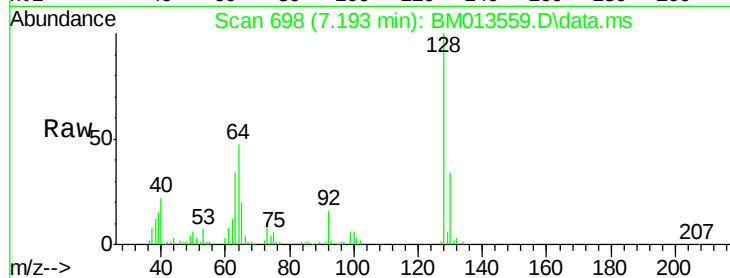
Tot Ion:128 Resp: 132110

Ion Ratio Lower Upper

128 100

64 46.7 38.0 57.0

130 34.3 24.4 36.6



#11

2-Methylphenol

Concen: 16.59 ng/ul

RT: 8.075 min Scan# 848

Delta R.T. 0.000 min

Lab File: BM013559.D

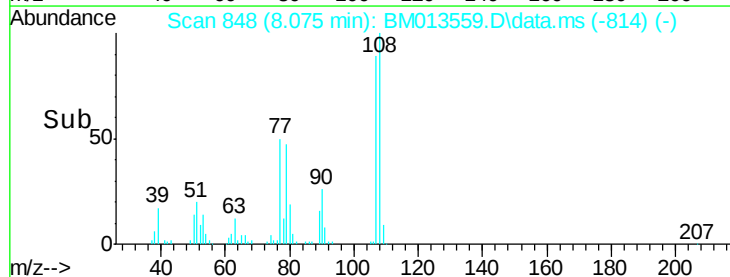
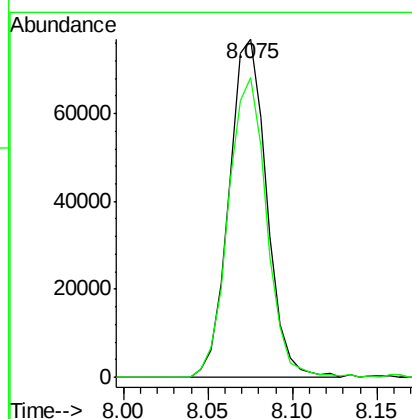
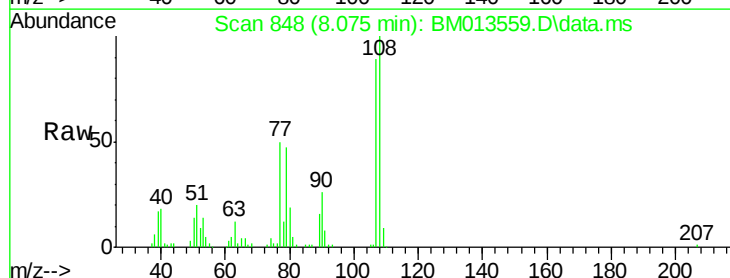
Acq: 10 Jan 2018 10:25

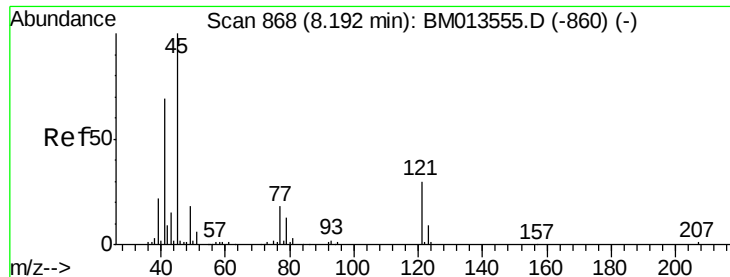
Tgt Ion:108 Resp: 118909

Ion Ratio Lower Upper

108 100

107 88.7 72.6 108.8

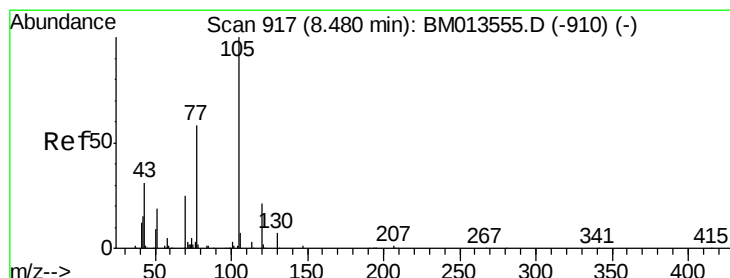
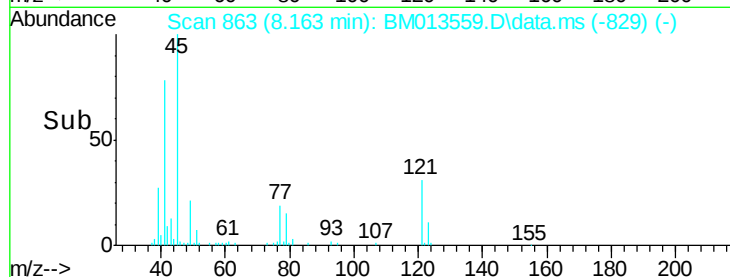
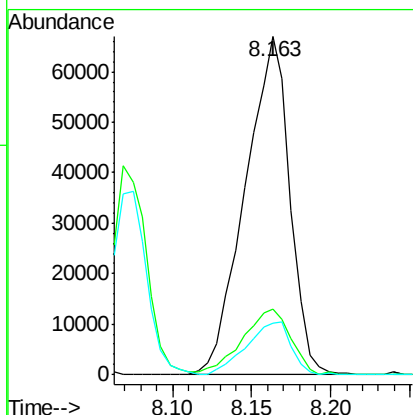
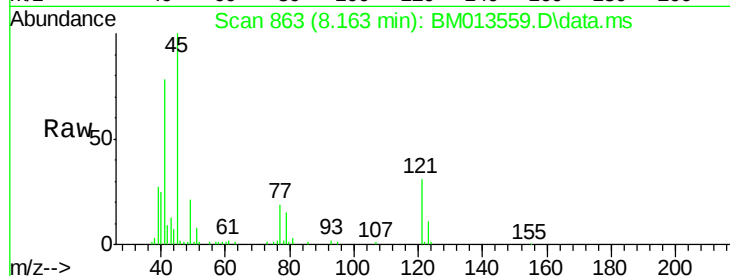




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 17.60 ng/ul
RT: 8.163 min Scan# 86
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

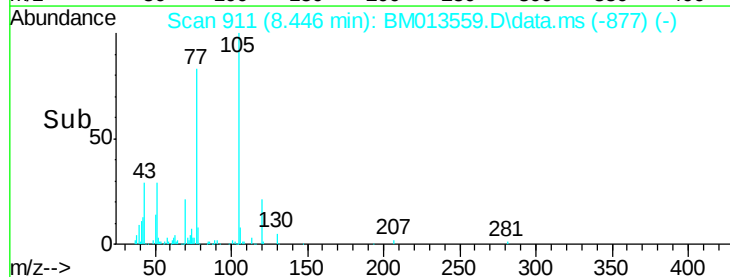
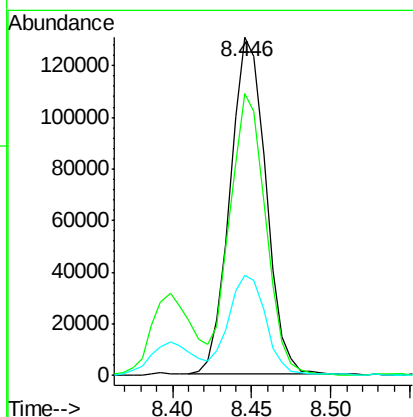
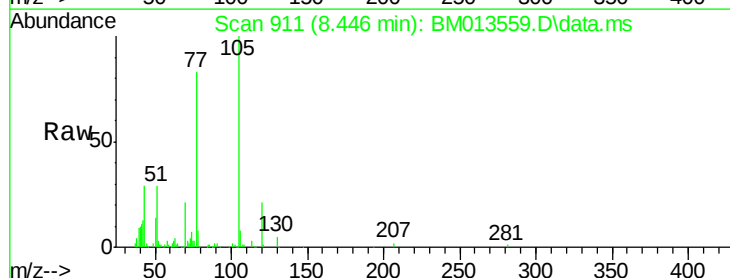
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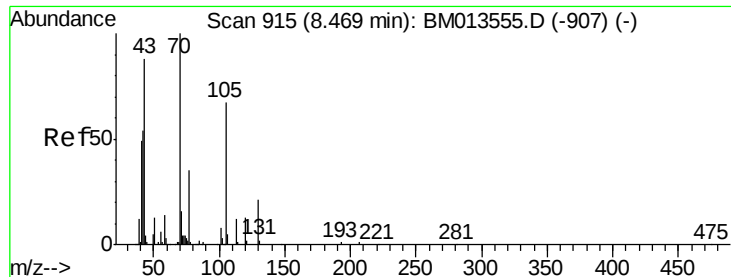
Tot Ion: 45 Resp: 130982
Ion Ratio Lower Upper
45 100
77 19.4 8.0 12.0#
79 15.4 8.0 12.0#



#14
Acetophenone
Concen: 16.82 ng/ul
RT: 8.446 min Scan# 911
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion: 105 Resp: 204922
Ion Ratio Lower Upper
105 100
77 83.5 74.2 111.4
51 29.5 23.4 35.2

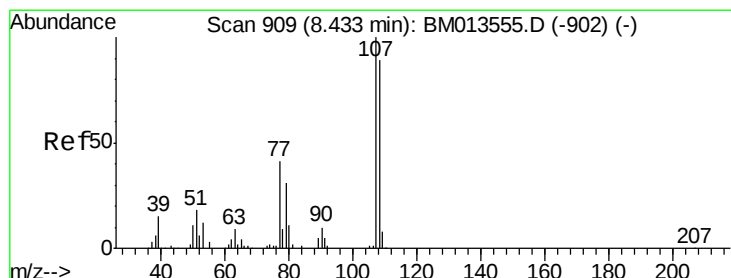
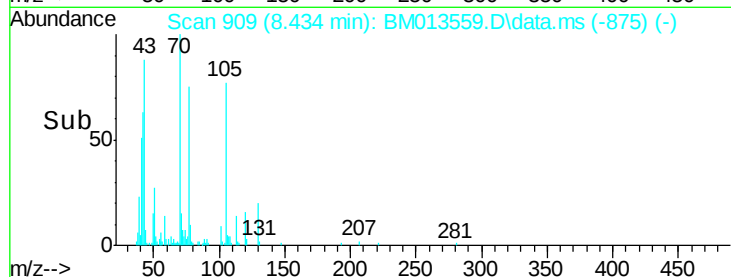
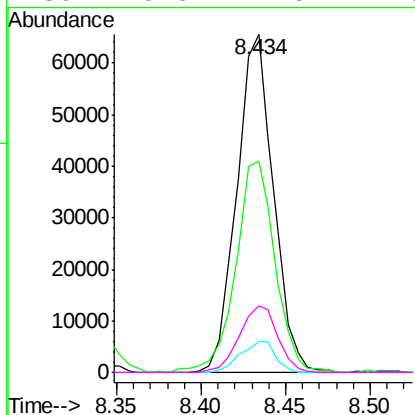
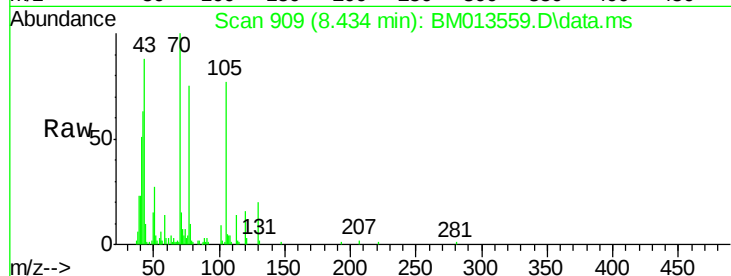




#15
N-Nitroso-di-n-propylamine
Concen: 16.19 ng/ul
RT: 8.434 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

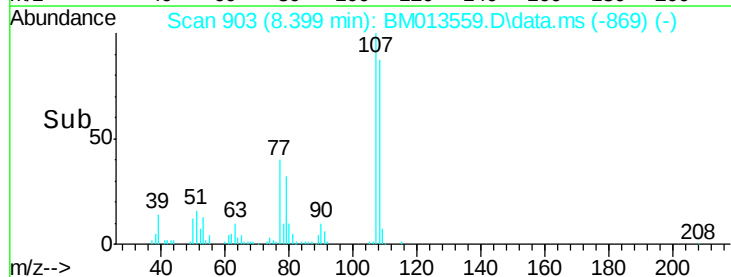
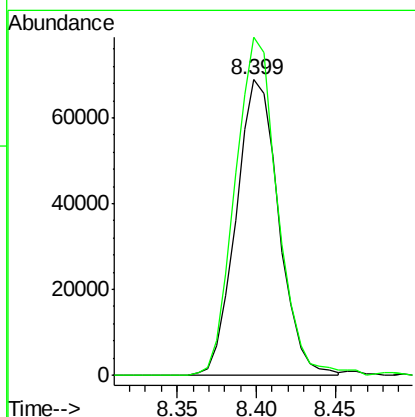
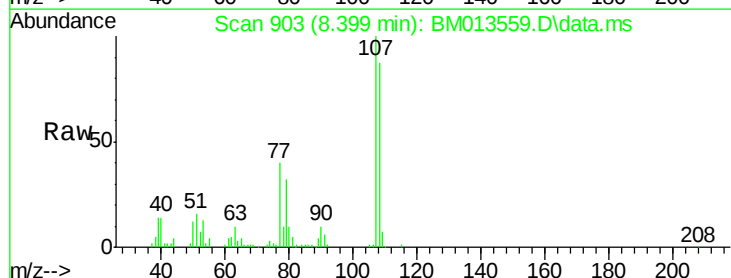
Instrument :
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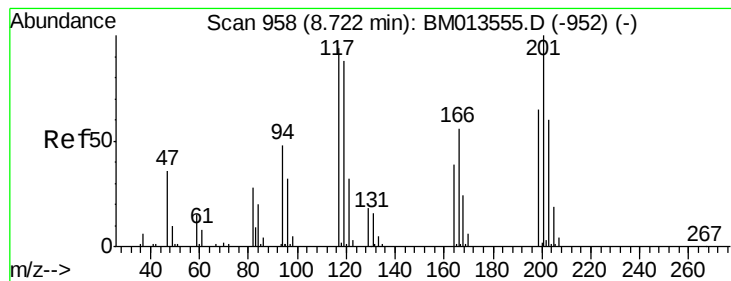
Tot Ion: 70 Resp: 99325
Ion Ratio Lower Upper
70 100
42 62.7 76.0 114.0#
101 9.3 6.7 10.1
130 19.6 14.6 22.0



#16
4-Methylphenol
Concen: 16.75 ng/ul
RT: 8.399 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion: 108 Resp: 128447
Ion Ratio Lower Upper
108 100
107 114.3 84.9 127.3





#17

Hexachloroethane

Concen: 20.30 ng/ul

RT: 8.687 min Scan# 95

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

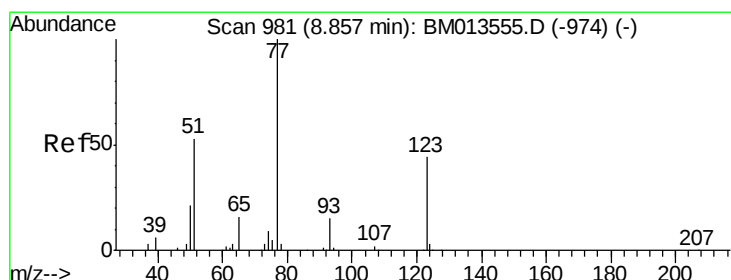
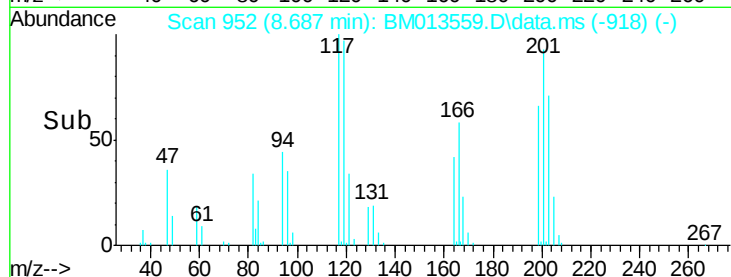
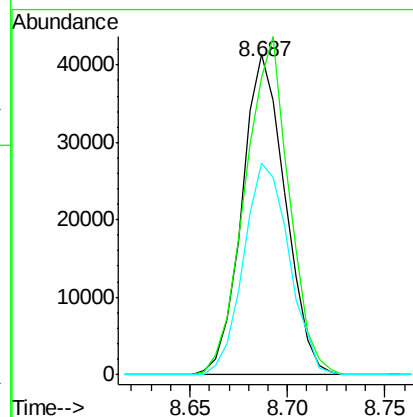
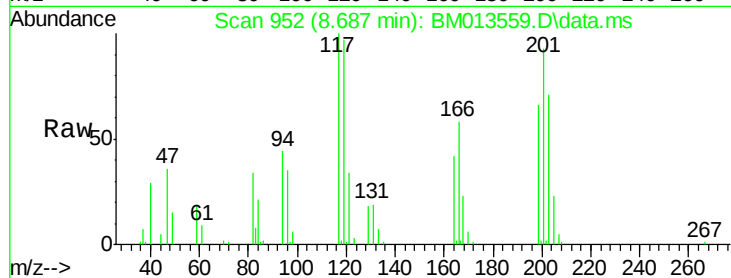
Tot Ion:117 Resp: 63490

Ion Ratio Lower Upper

117 100

201 93.0 111.6 167.4#

199 66.0 67.8 101.6#



#20

Nitrobenzene

Concen: 19.72 ng/ul

RT: 8.822 min Scan# 975

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

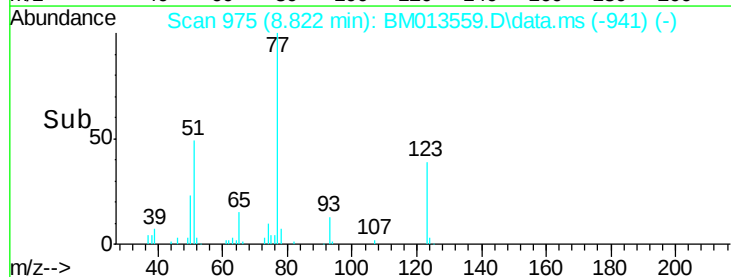
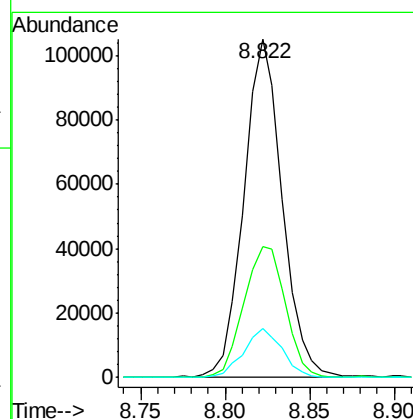
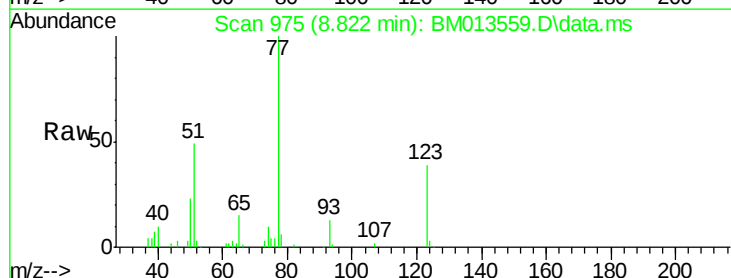
Tgt Ion: 77 Resp: 166312

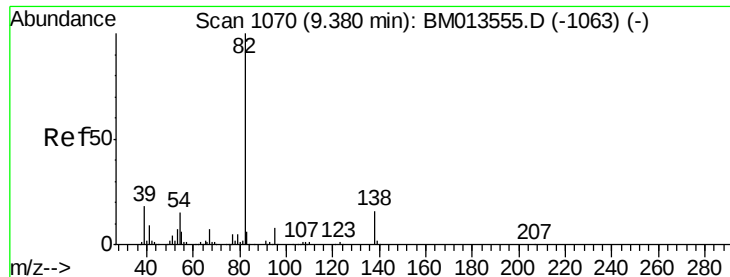
Ion Ratio Lower Upper

77 100

123 38.6 31.0 46.6

65 14.5 12.2 18.2





#21

Isophorone

Concen: 18.14 ng/ul

RT: 9.346 min Scan# 1064

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

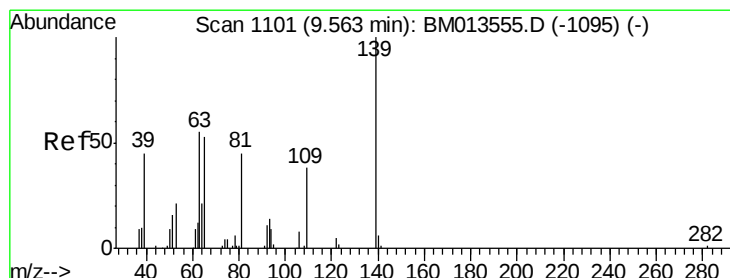
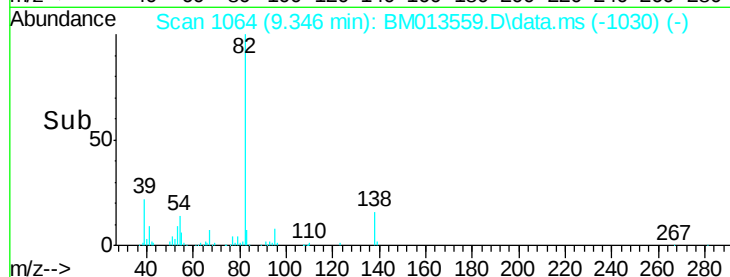
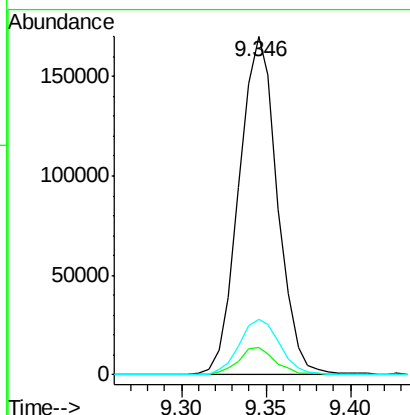
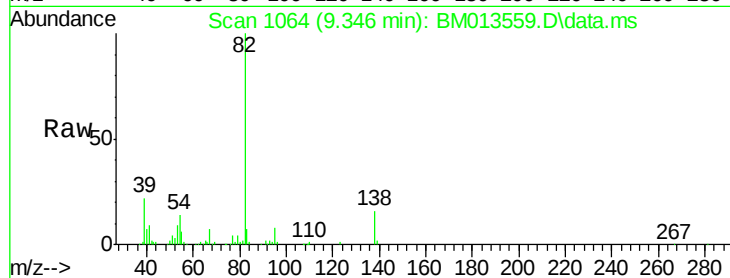
Tot Ion: 82 Resp: 269226

Ion Ratio Lower Upper

82 100

95 7.9 7.8 11.8

138 16.3 11.9 17.9



#23

2-Nitrophenol

Concen: 18.97 ng/ul

RT: 9.528 min Scan# 1095

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

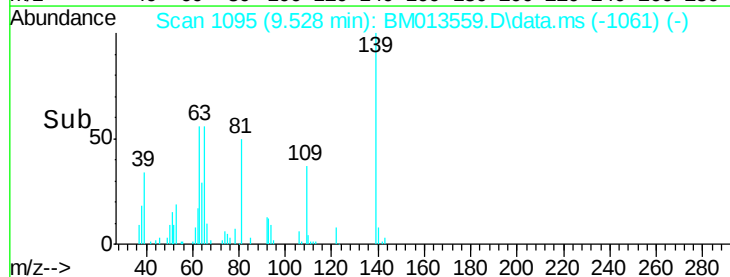
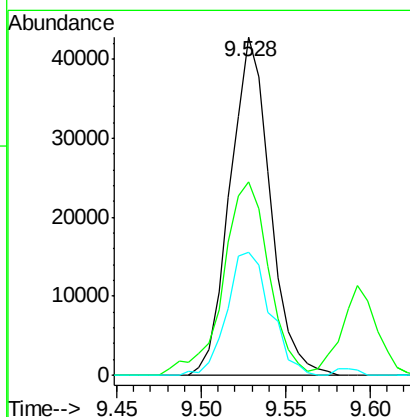
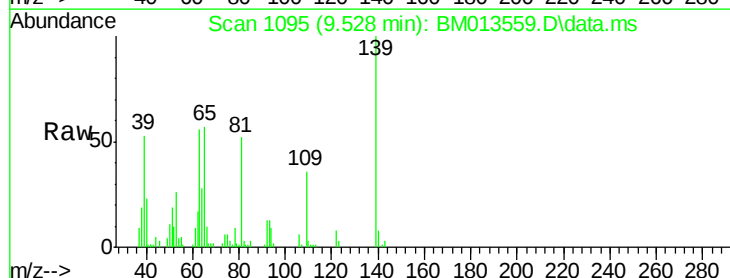
Tgt Ion: 139 Resp: 70498

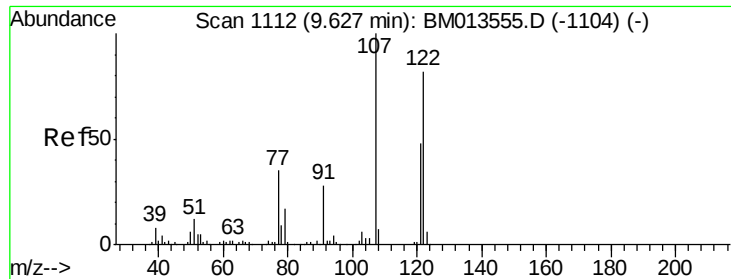
Ion Ratio Lower Upper

139 100

65 57.2 55.4 83.0

109 36.3 42.2 63.2#





#24

2,4-Dimethylphenol

Concen: 18.62 ng/ul

RT: 9.593 min Scan# 111

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

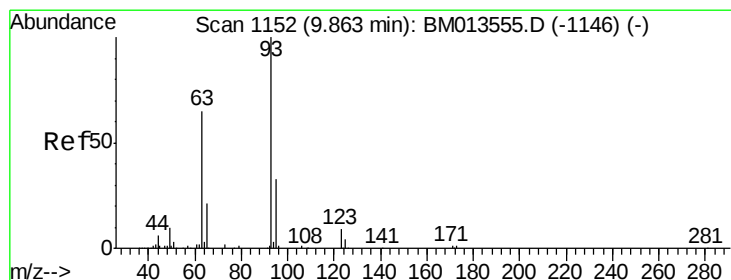
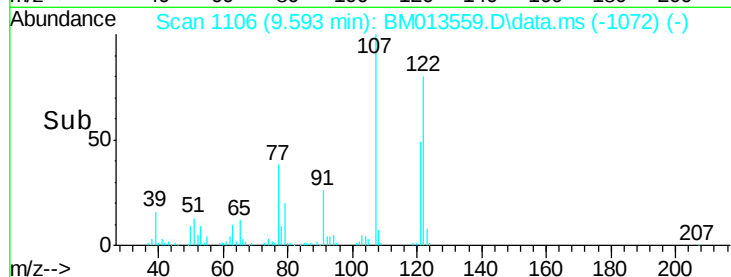
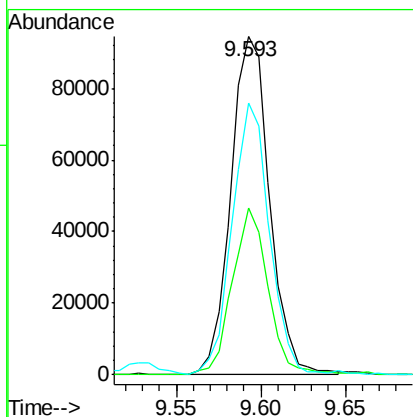
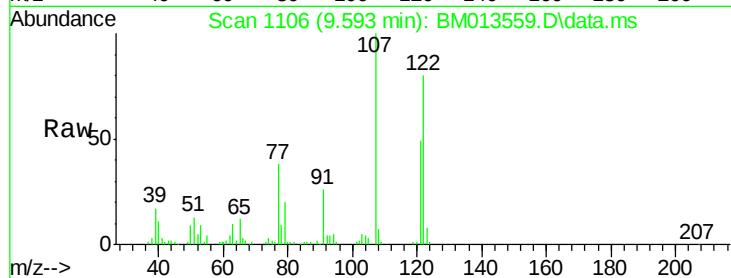
Tot Ion:107 Resp: 150873

Ion Ratio Lower Upper

107 100

121 49.2 31.9 47.9#

122 80.5 57.8 86.6



#25

Bis(2-Chloroethoxy)methane

Concen: 19.42 ng/ul

RT: 9.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

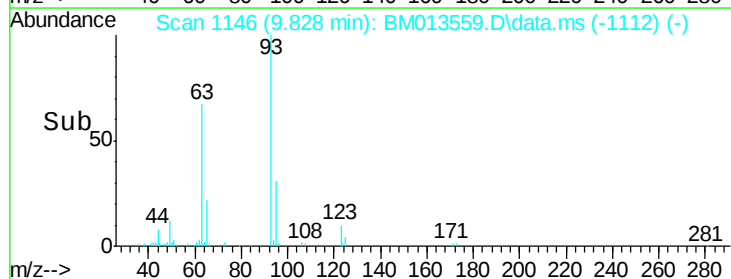
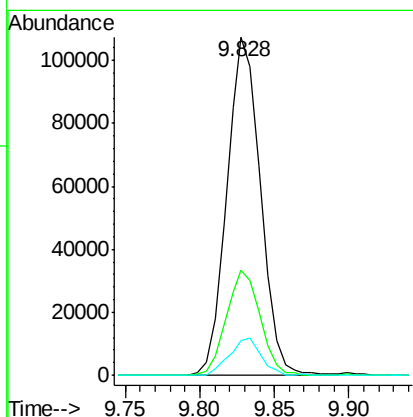
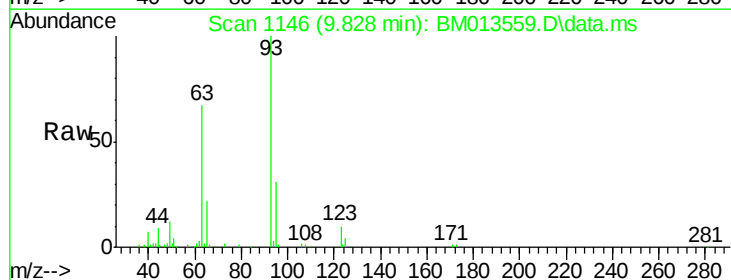
Tgt Ion: 93 Resp: 168731

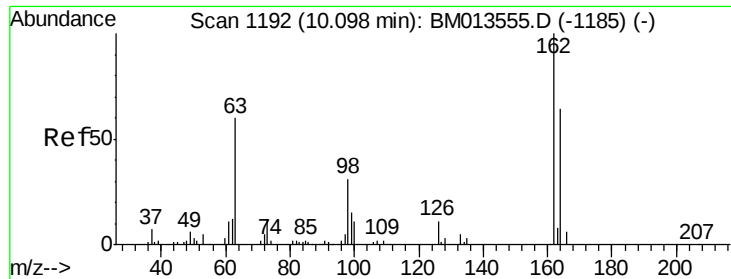
Ion Ratio Lower Upper

93 100

95 31.2 28.5 42.7

123 10.4 8.9 13.3

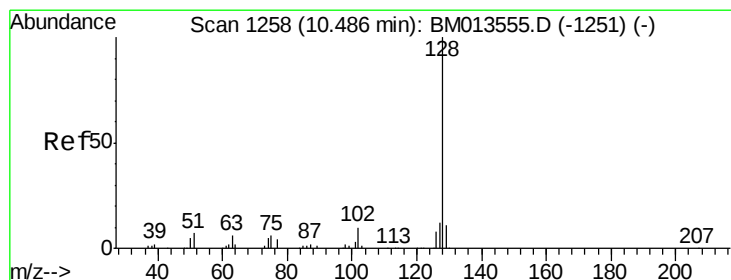
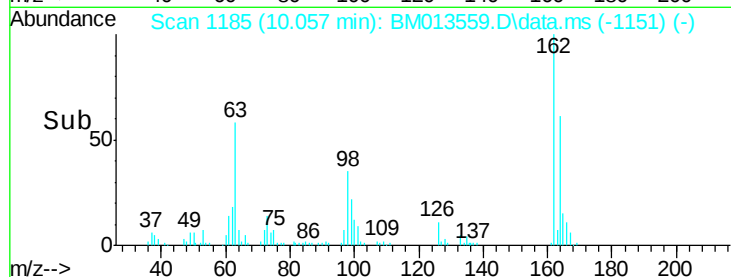
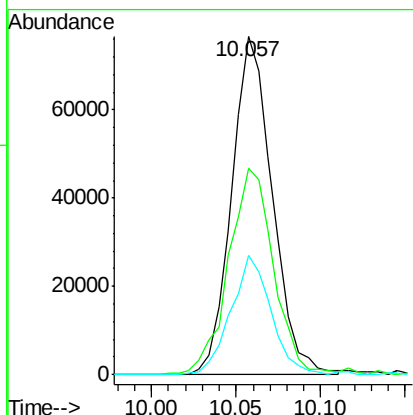
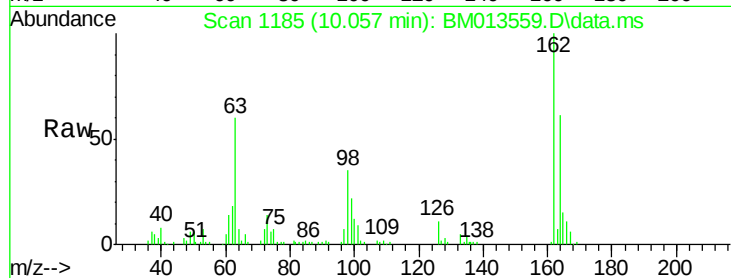




#27
2,4-Dichlorophenol
Concen: 18.81 ng/ul
RT: 10.057 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

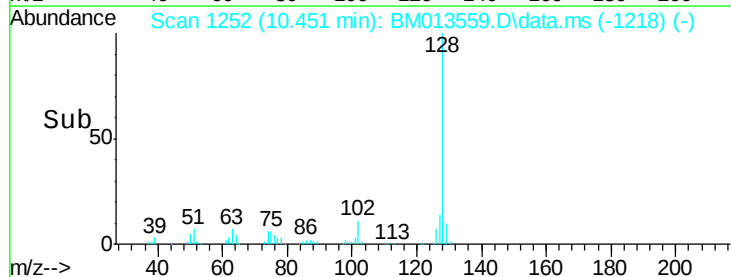
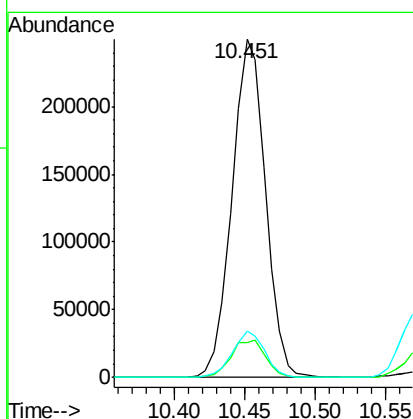
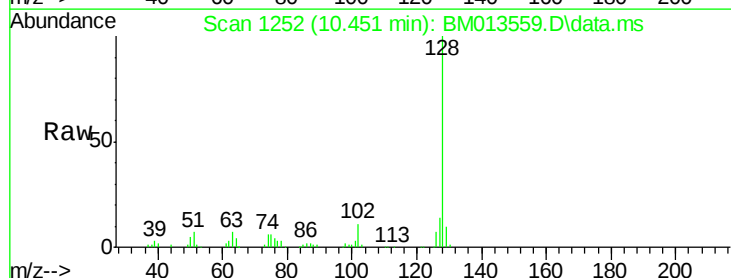
Instrument :
BNA_M
ClientSampleId :
SSTD02010

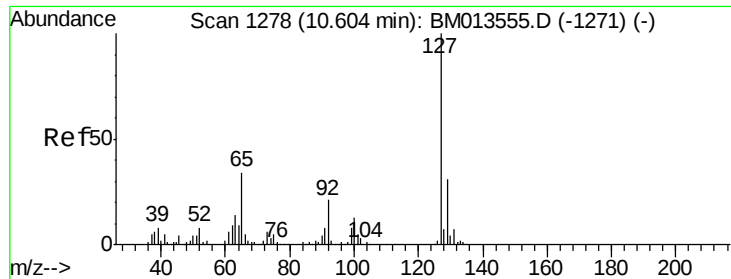
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.2	47.8	71.6
98	35.4	23.0	34.4



#28
Naphthalene
Concen: 18.97 ng/ul
RT: 10.451 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.7	10.6	16.0

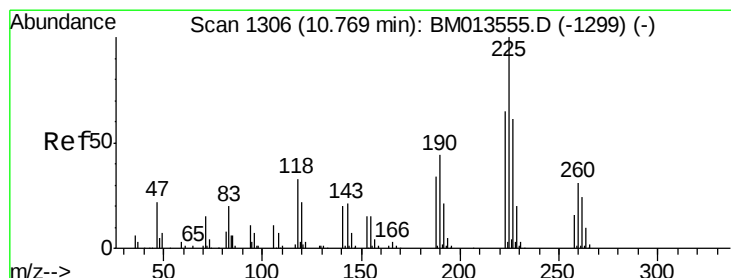
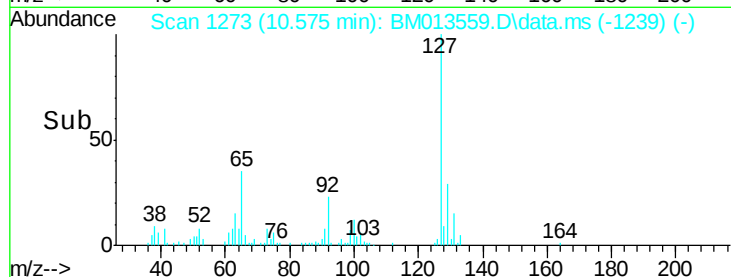
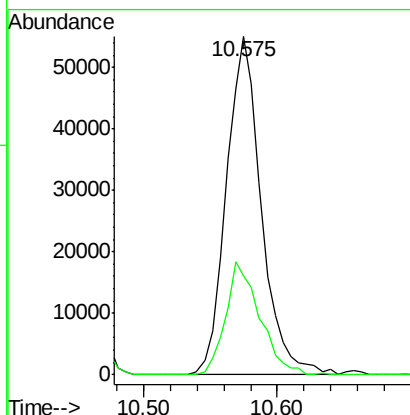
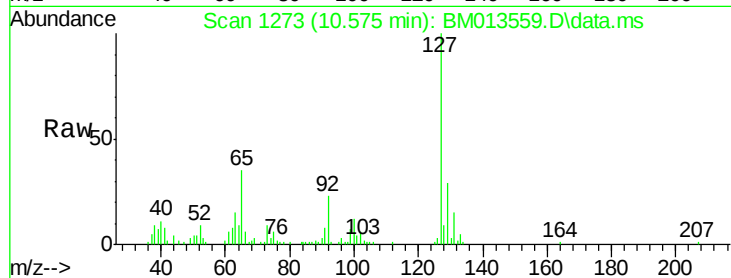




#30
4-Chloroaniline
Concen: 15.24 ng/ul
RT: 10.575 min Scan# 127
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

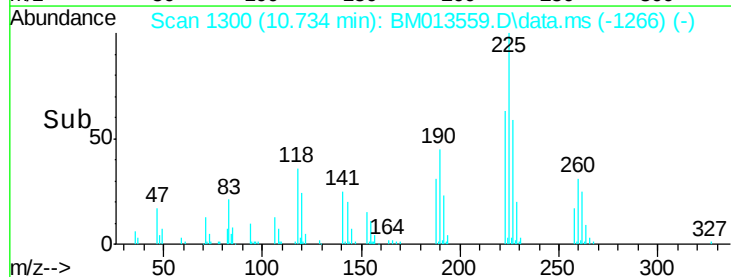
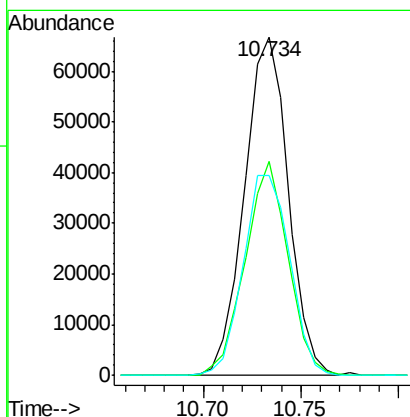
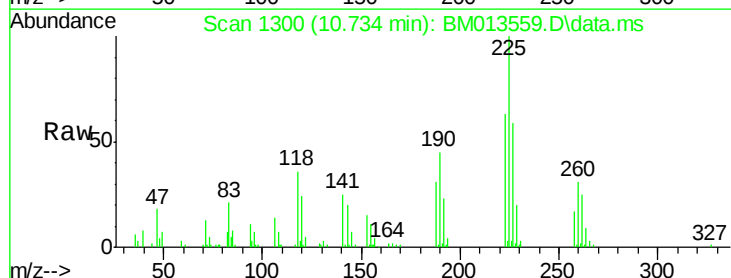
Instrument :
BNA_M
ClientSampleId :
SSTD02010

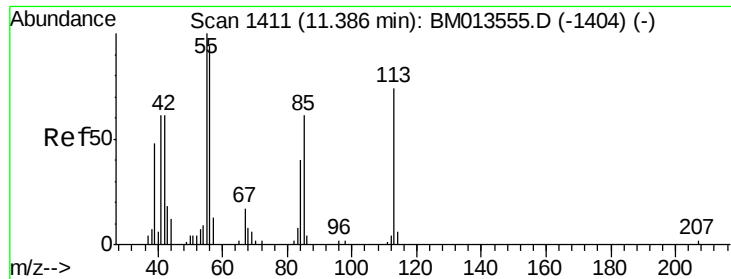
Tot Ion:127 Resp: 100178
Ion Ratio Lower Upper
127 100
129 29.3 28.4 42.6



#31
Hexachlorobutadiene
Concen: 21.00 ng/ul
RT: 10.734 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion:225 Resp: 103767
Ion Ratio Lower Upper
225 100
223 63.5 49.4 74.2
227 59.2 45.4 68.2





#32

Caprolactam

Concen: 10.11 ng/ul

RT: 11.357 min Scan# 14

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

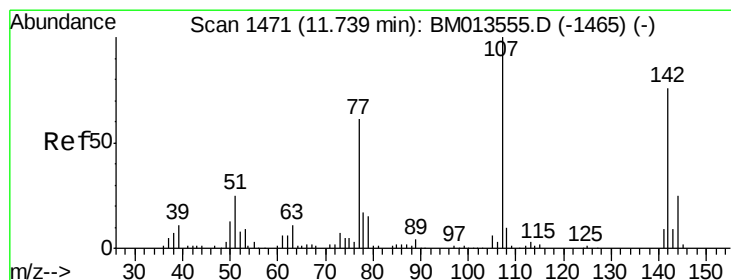
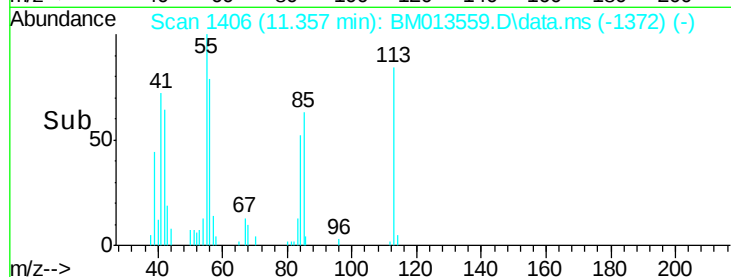
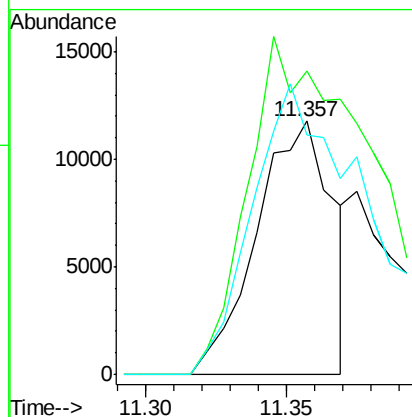
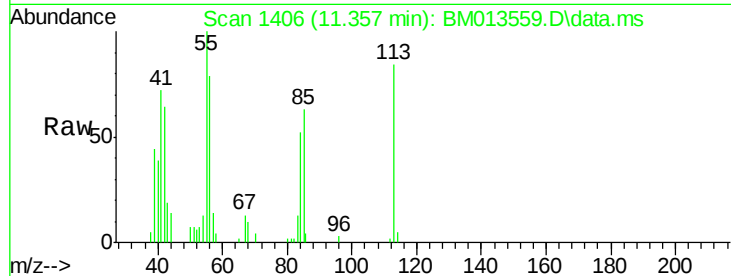
Tot Ion:113 Resp: 22048

Ion Ratio Lower Upper

113 100

55 119.7 208.0 312.0#

56 94.6 160.0 240.0#



#33

4-Chloro-3-methylphenol

Concen: 16.84 ng/ul

RT: 11.710 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

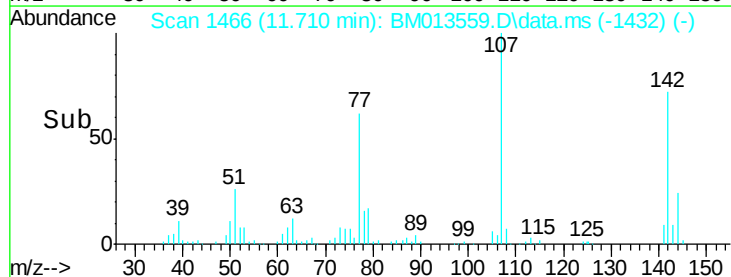
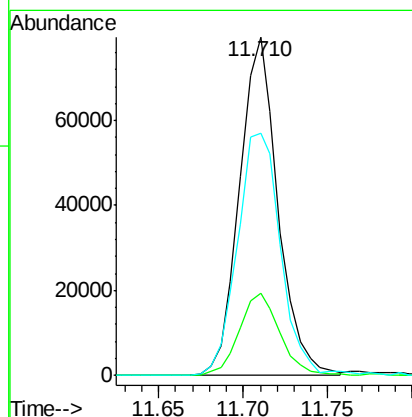
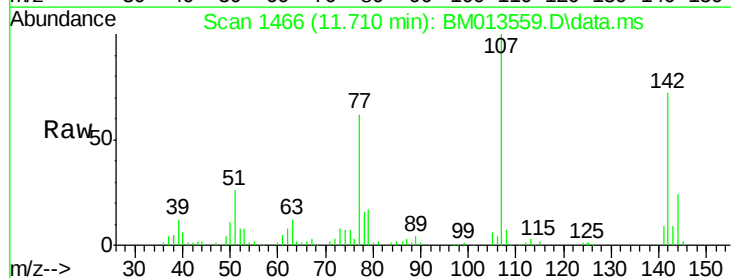
Tgt Ion:107 Resp: 126055

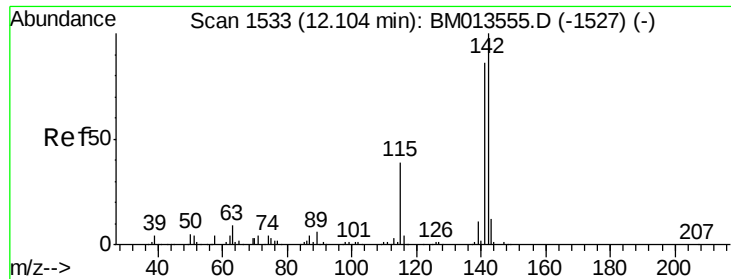
Ion Ratio Lower Upper

107 100

144 24.3 20.4 30.6

142 71.5 60.5 90.7

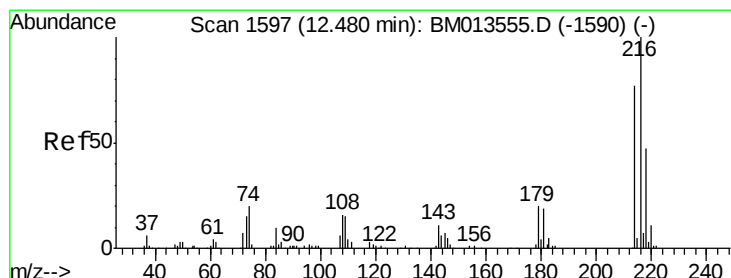
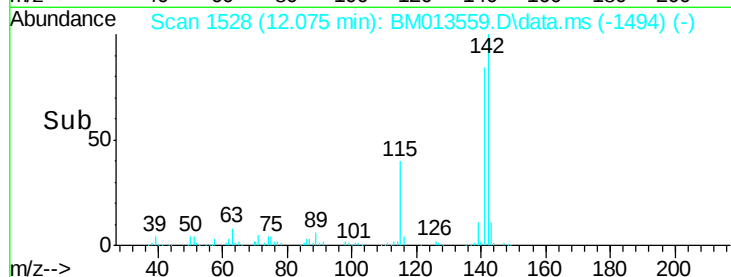
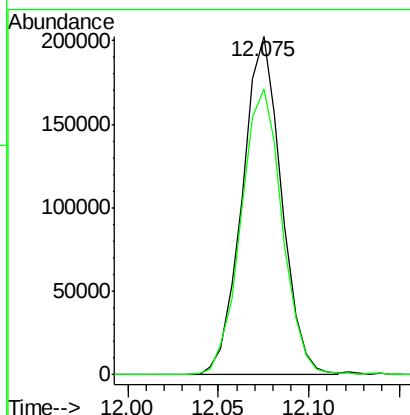
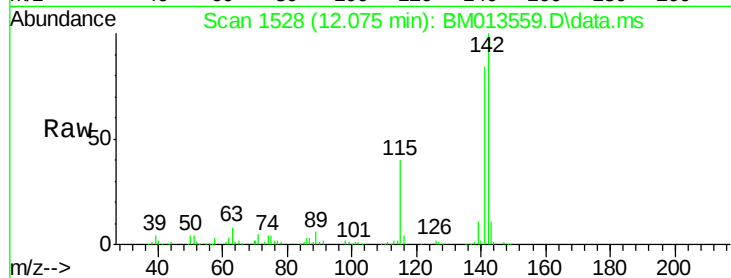




#34
 2-Methylnaphthalene
 Concen: 18.45 ng/ul
 RT: 12.075 min Scan# 1533
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

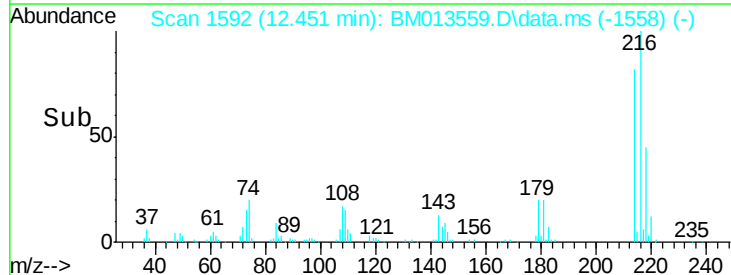
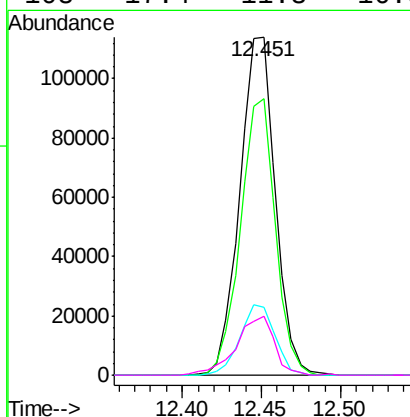
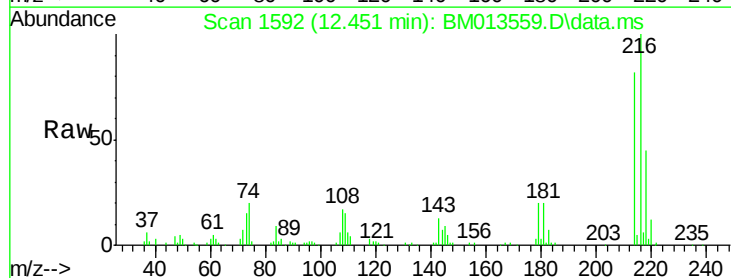
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02010

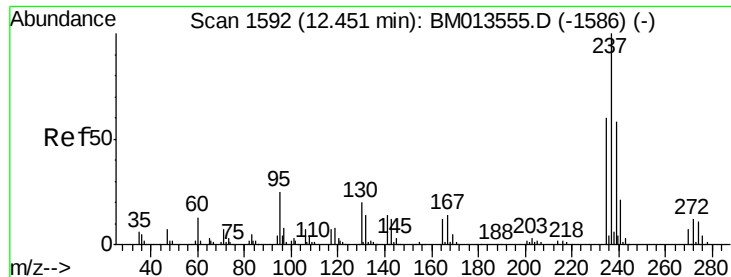
Tot Ion:142 Resp: 301306
 Ion Ratio Lower Upper
 142 100
 141 84.5 74.1 111.1



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 20.46 ng/ul
 RT: 12.451 min Scan# 1592
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

Tgt Ion:216 Resp: 177723
 Ion Ratio Lower Upper
 216 100
 214 81.7 60.6 90.8
 179 20.0 17.5 26.3
 108 17.4 11.3 16.9#

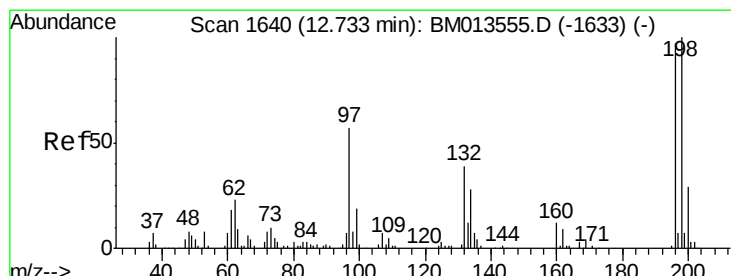
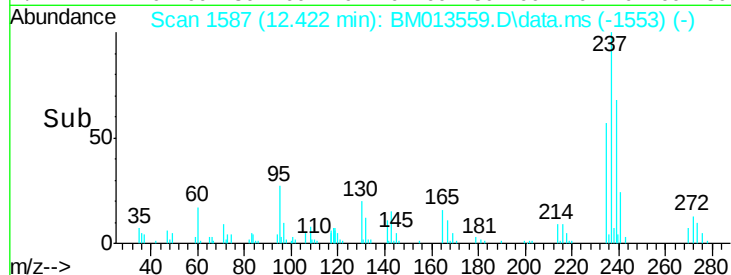
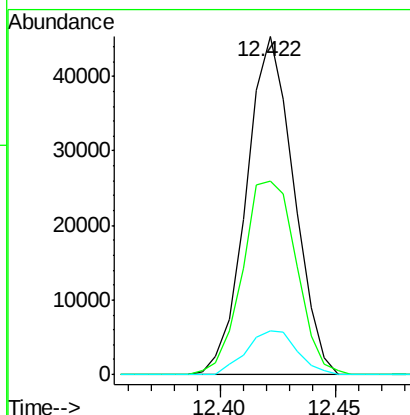
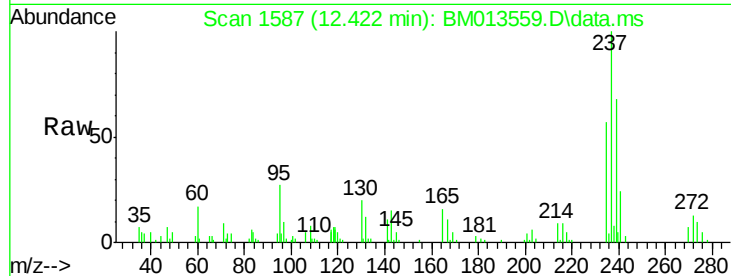




#37
Hexachlorocyclopentadiene
Concen: 11.38 ng/ul
RT: 12.422 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

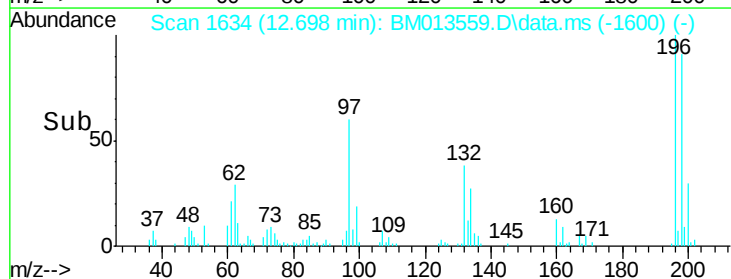
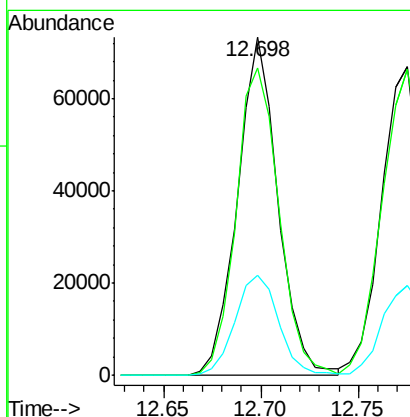
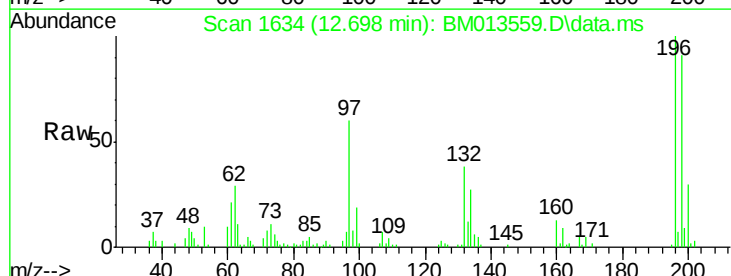
Instrument :
BNA_M
ClientSampleId :
SSTD02010

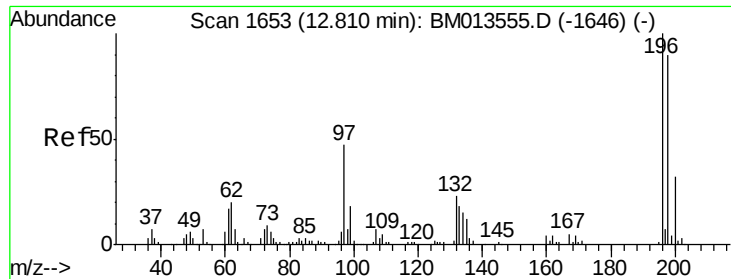
Tot Ion:237 Resp: 65092
Ion Ratio Lower Upper
237 100
235 57.2 50.2 75.4
272 12.7 11.0 16.6



#38
2,4,6-Trichlorophenol
Concen: 19.44 ng/ul
RT: 12.698 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion:196 Resp: 105300
Ion Ratio Lower Upper
196 100
198 91.1 74.1 111.1
200 29.7 25.2 37.8

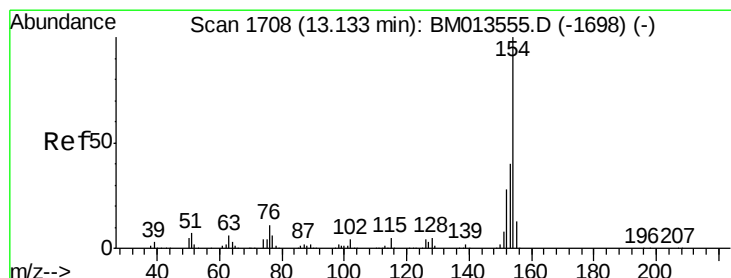
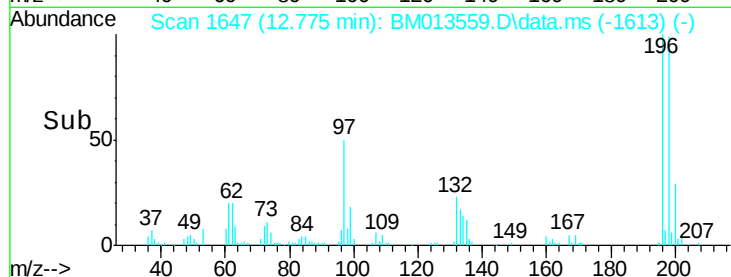
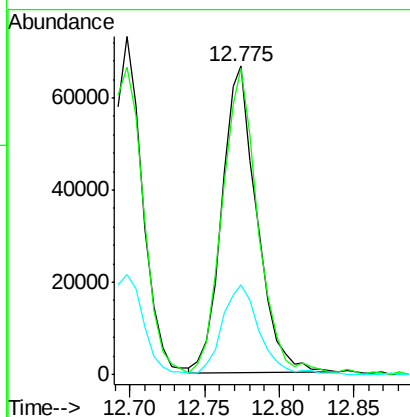
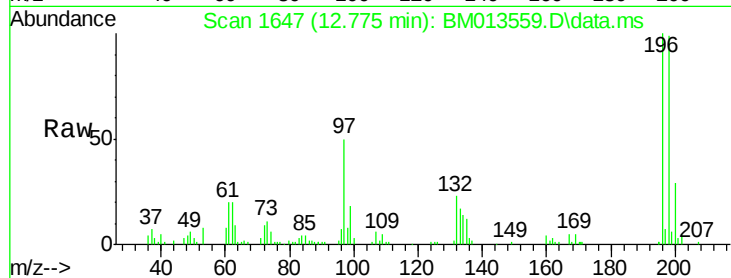




#39
 2,4,5-Trichlorophenol
 Concen: 18.99 ng/ul
 RT: 12.775 min Scan# 16
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

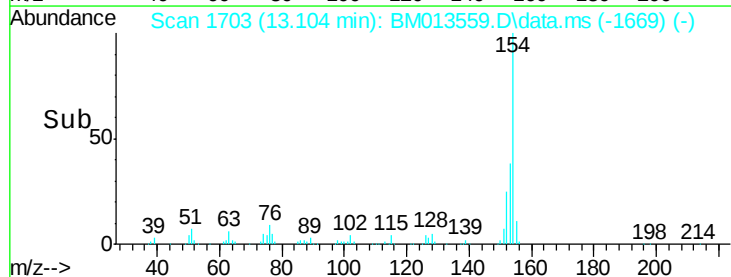
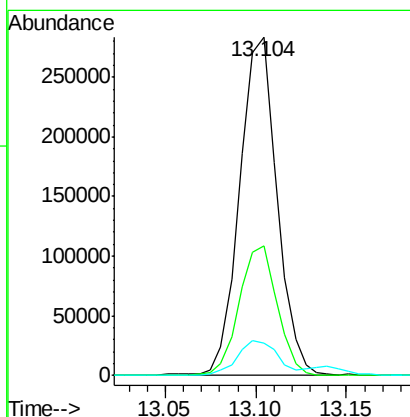
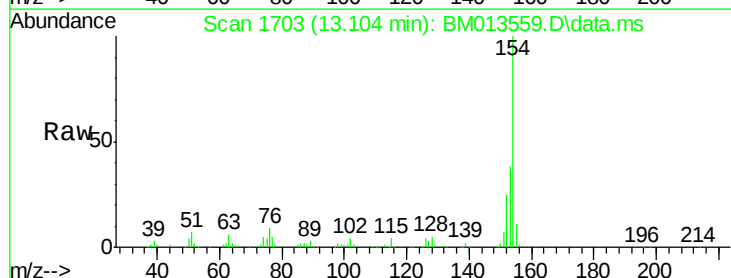
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02010

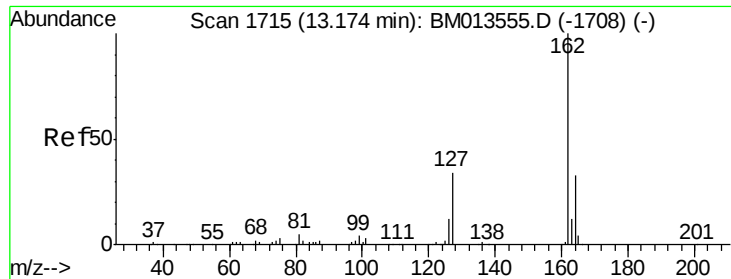
Tot Ion:196 Resp: 109234
 Ion Ratio Lower Upper
 196 100
 198 99.2 75.6 113.4
 200 29.3 25.5 38.3



#40
 1,1'-Biphenyl
 Concen: 19.88 ng/ul
 RT: 13.104 min Scan# 1703
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

Tgt Ion:154 Resp: 404514
 Ion Ratio Lower Upper
 154 100
 153 38.4 32.6 48.8
 76 9.3 8.5 12.7

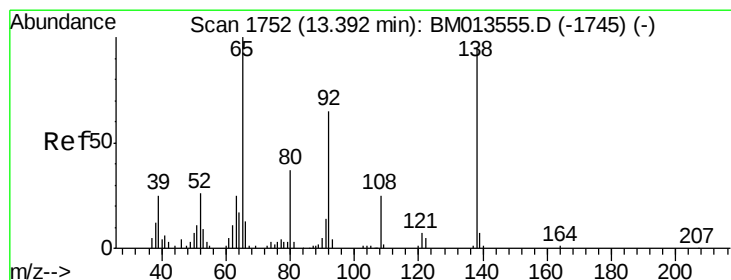
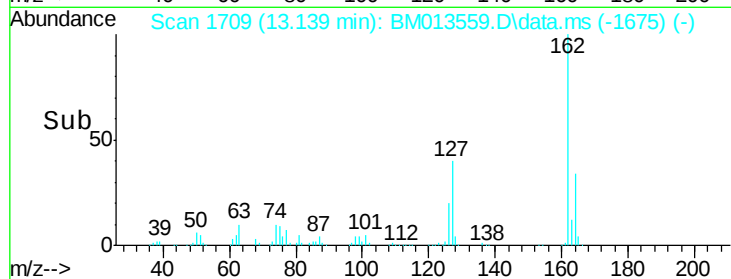
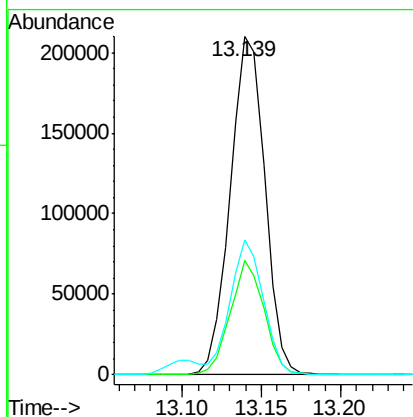
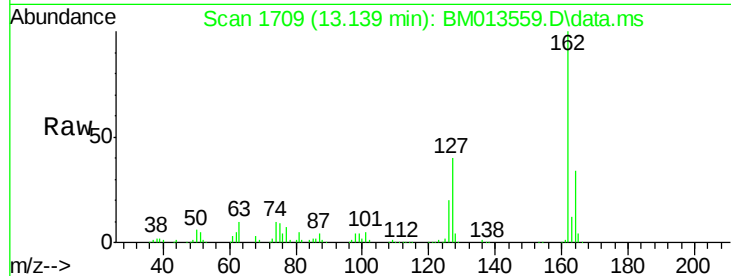




#41
2-Chloronaphthalene
Concen: 19.92 ng/ul
RT: 13.139 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

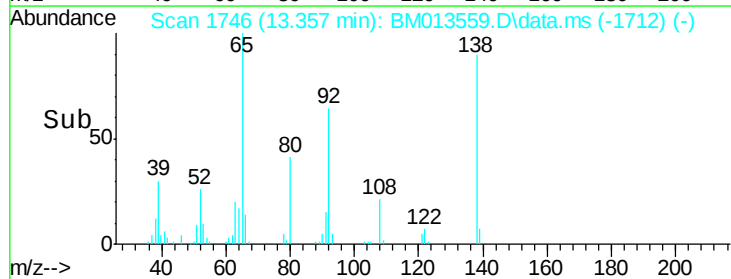
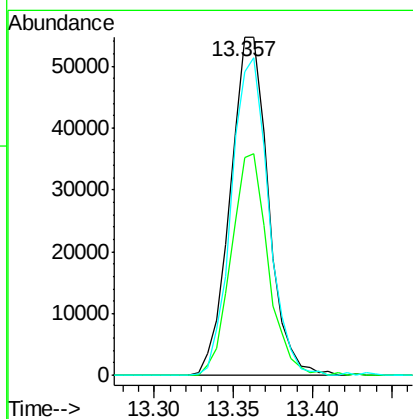
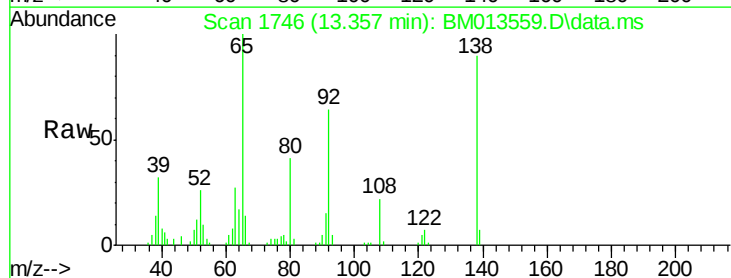
Instrument :
BNA_M
ClientSampleId :
SSTD02010

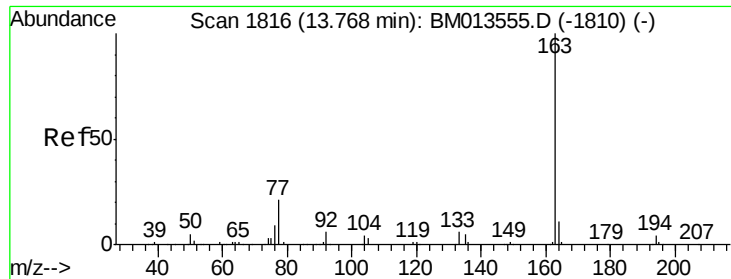
Tot Ion	Ratio	Lower	Upper
162	100		
164	33.9	25.9	38.9
127	39.8	29.4	44.2



#42
2-Nitroaniline
Concen: 19.51 ng/ul
RT: 13.357 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.3	51.8	77.6
138	89.6	74.2	111.4





#44

Dimethylphthalate

Concen: 18.86 ng/ul

RT: 13.739 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

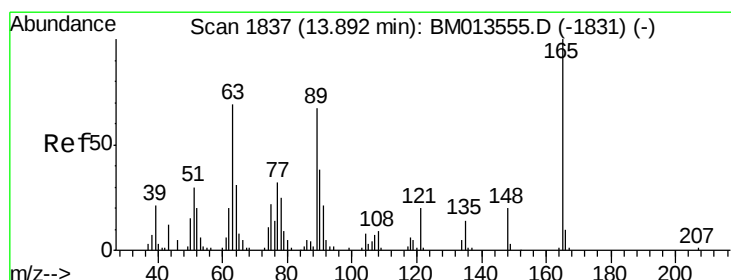
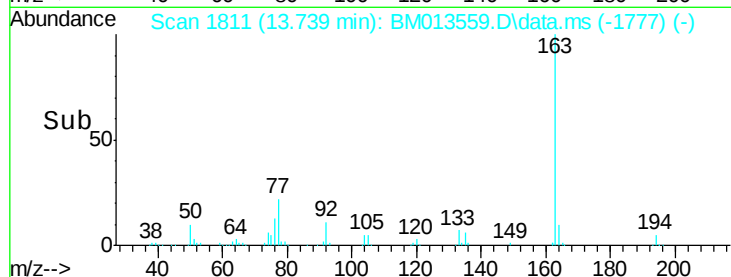
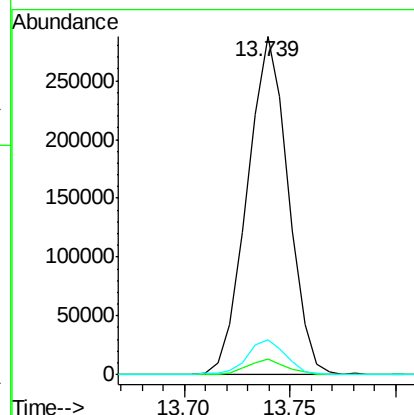
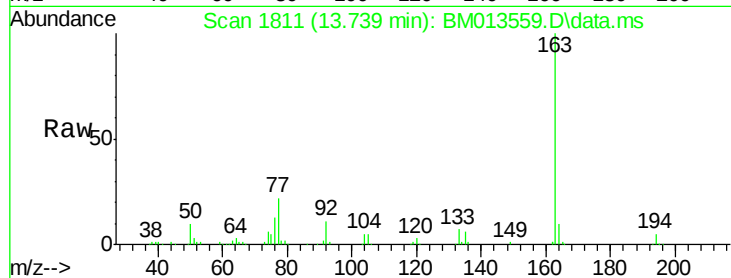
Tot Ion:163 Resp: 386494

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

164 10.3 8.2 12.4



#45

2,6-Dinitrotoluene

Concen: 19.09 ng/ul

RT: 13.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

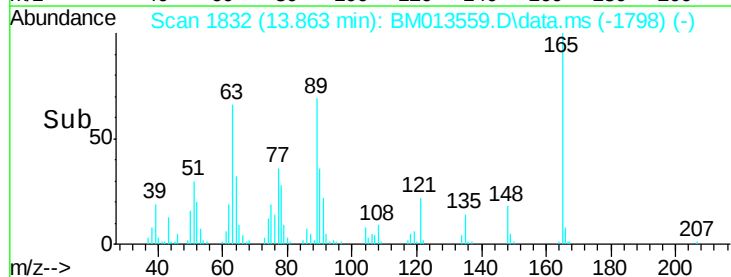
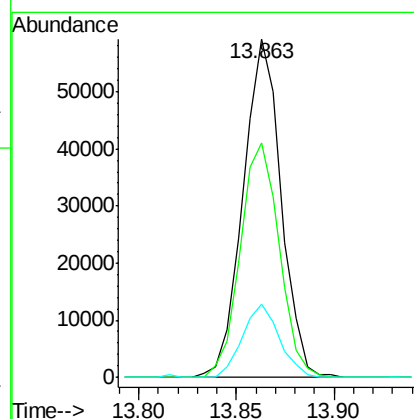
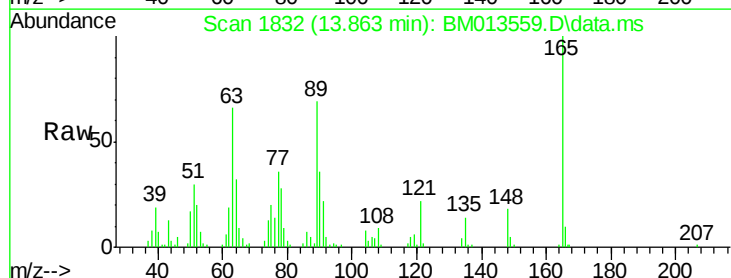
Tgt Ion:165 Resp: 79783

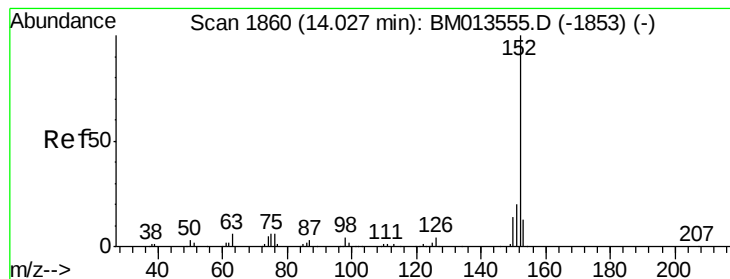
Ion Ratio Lower Upper

165 100

89 69.2 52.6 79.0

121 21.5 14.6 22.0





#47

Acenaphthylene

Concen: 19.31 ng/ul

RT: 13.992 min Scan# 18

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

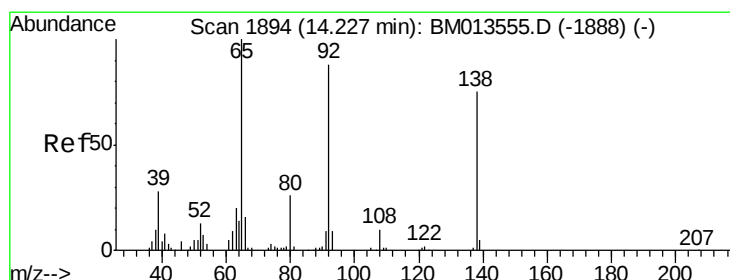
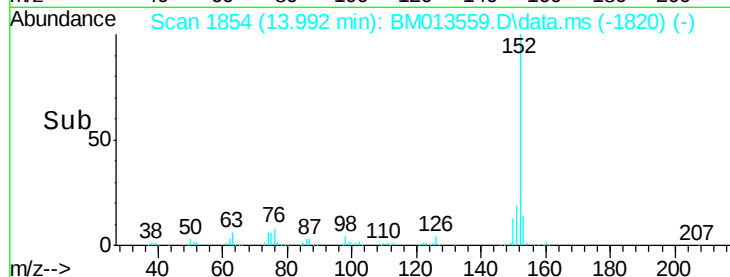
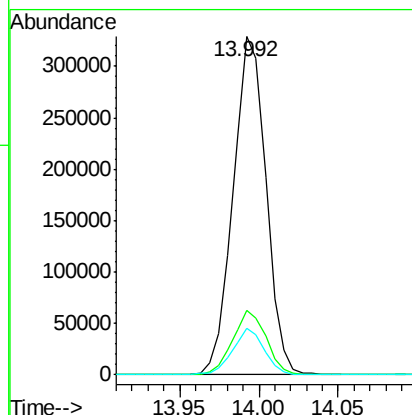
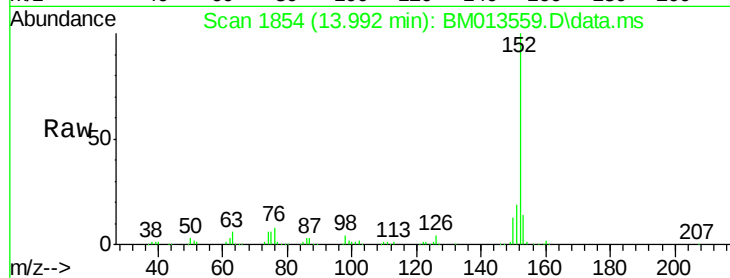
Tot Ion:152 Resp: 472530

Ion Ratio Lower Upper

152 100

151 18.9 16.3 24.5

153 13.8 10.2 15.4



#48

3-Nitroaniline

Concen: 14.87 ng/ul

RT: 14.192 min Scan# 1888

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

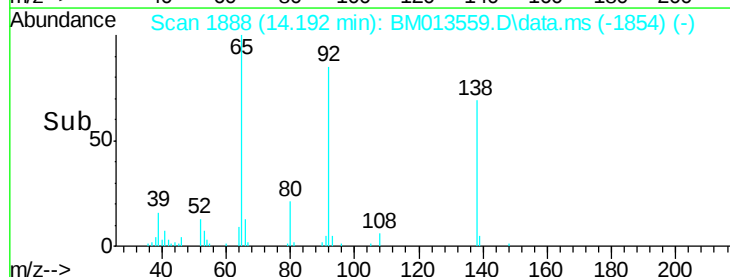
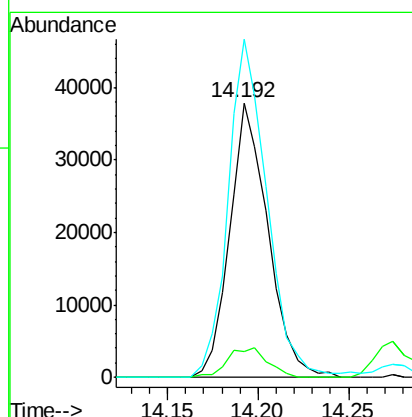
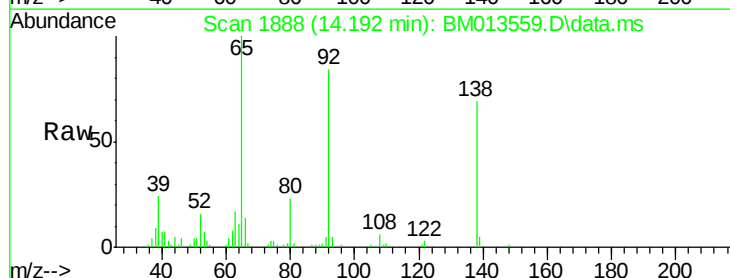
Tgt Ion:138 Resp: 55538

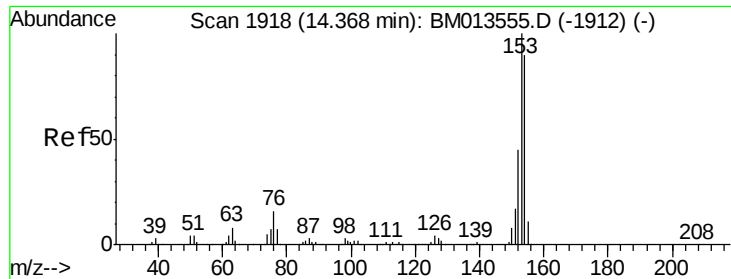
Ion Ratio Lower Upper

138 100

108 9.1 9.9 14.9#

92 123.1 105.0 157.4





#49

Acenaphthene

Concen: 19.24 ng/ul

RT: 14.339 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

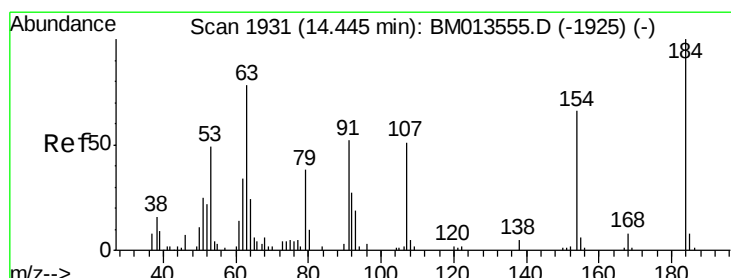
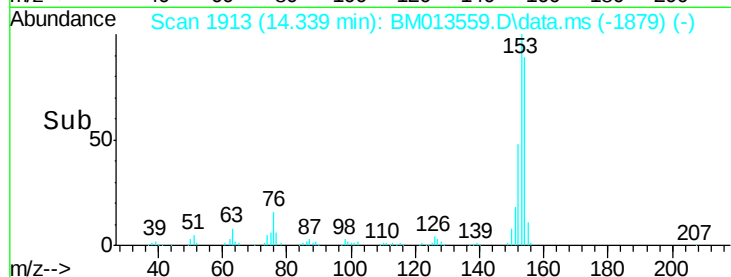
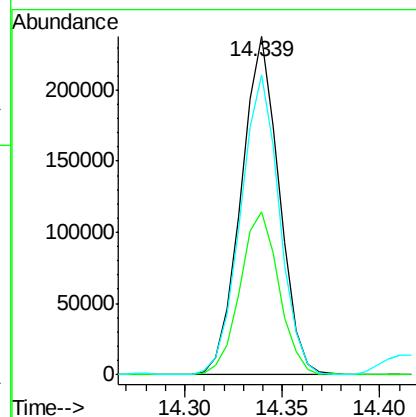
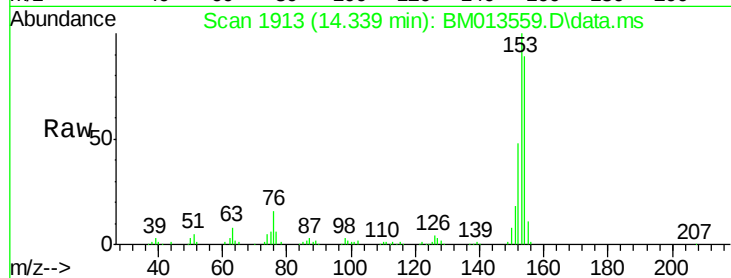
Tot Ion:153 Resp: 320699

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

154 88.7 70.4 105.6



#50

2,4-Dinitrophenol

Concen: 16.29 ng/ul

RT: 14.410 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

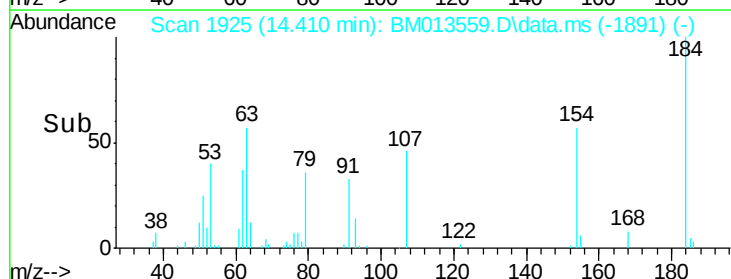
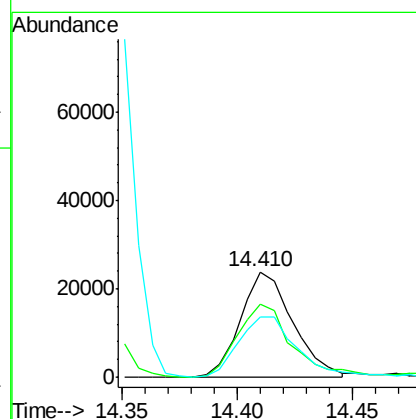
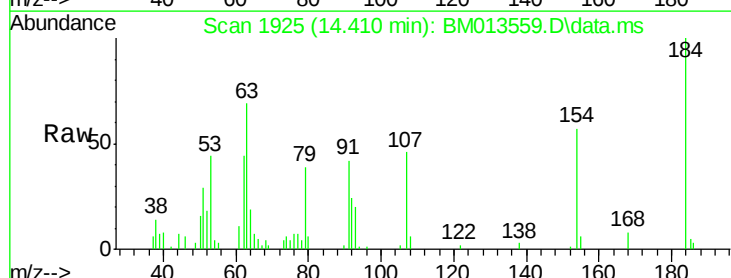
Tgt Ion:184 Resp: 37664

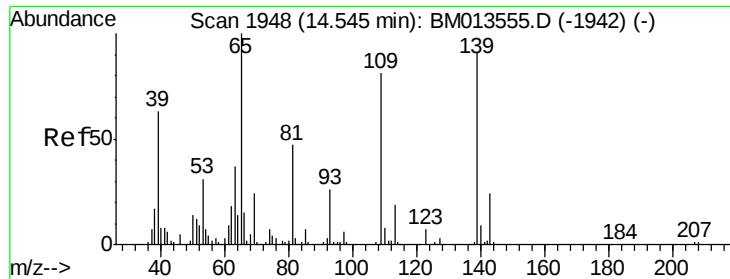
Ion Ratio Lower Upper

184 100

63 69.3 50.1 75.1

154 57.0 54.5 81.7





#52

4-Nitrophenol

Concen: 18.13 ng/ul

RT: 14.510 min Scan# 19

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

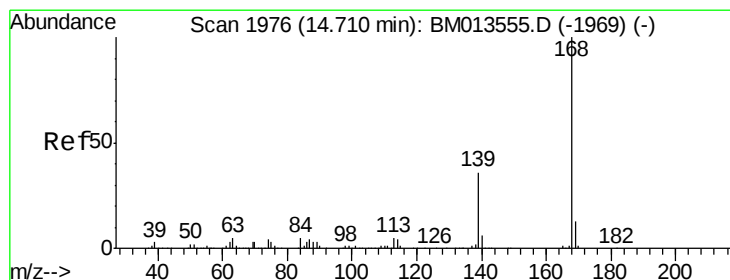
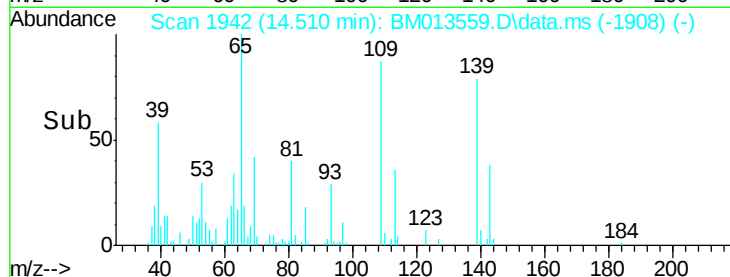
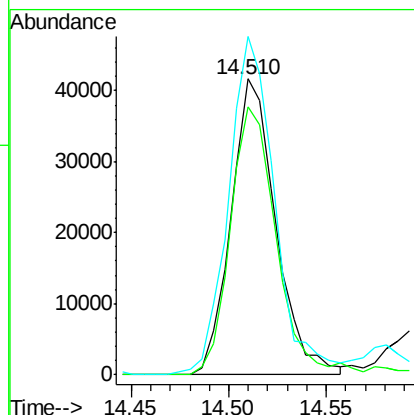
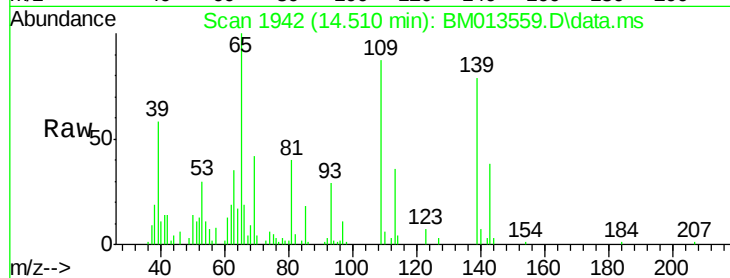
Tot Ion:109 Resp: 66198

Ion Ratio Lower Upper

109 100

139 90.7 80.0 120.0

65 114.5 120.0 180.0#



#53

Dibenzofuran

Concen: 19.89 ng/ul

RT: 14.675 min Scan# 1970

Delta R.T. 0.000 min

Lab File: BM013559.D

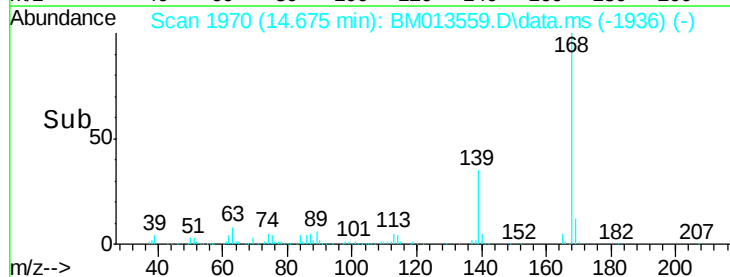
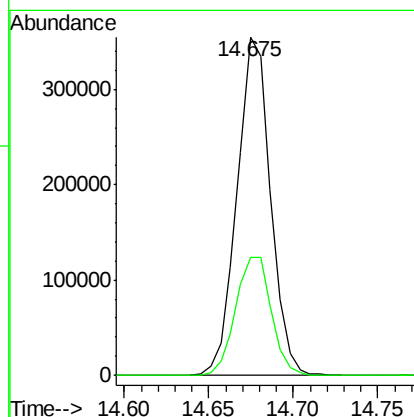
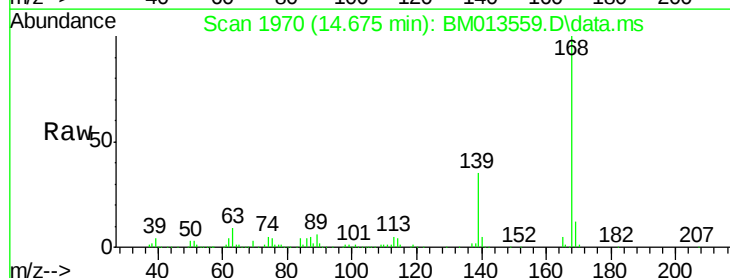
Acq: 10 Jan 2018 10:25

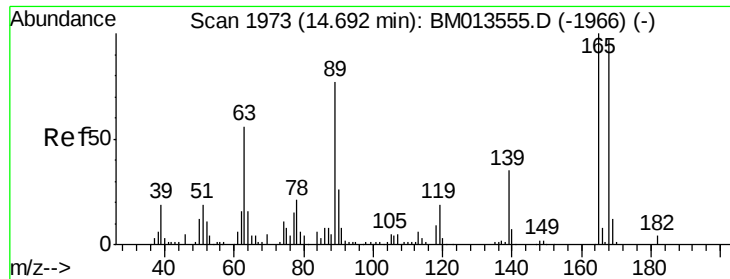
Tgt Ion:168 Resp: 489374

Ion Ratio Lower Upper

168 100

139 34.9 30.8 46.2





#54

2,4-Dinitrotoluene

Concen: 18.78 ng/ul

RT: 14.657 min Scan# 19

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

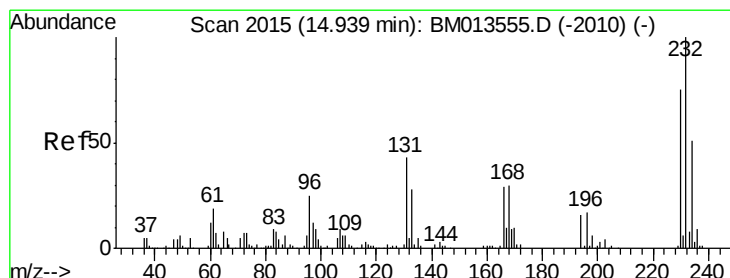
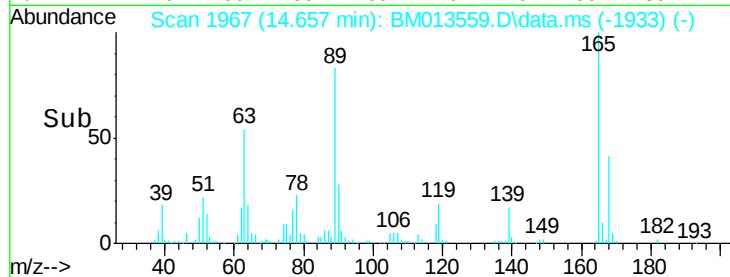
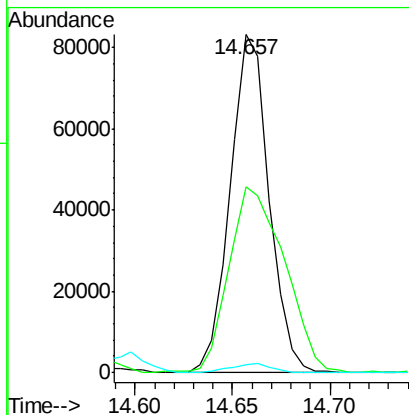
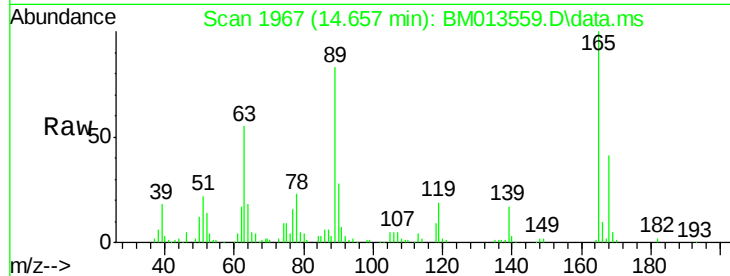
Tot Ion:165 Resp: 114189

Ion Ratio Lower Upper

165 100

63 54.9 45.8 68.8

182 2.5 2.6 4.0#



#55

2,3,4,6-Tetrachlorophenol

Concen: 18.80 ng/ul

RT: 14.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Tgt Ion:232 Resp: 99192

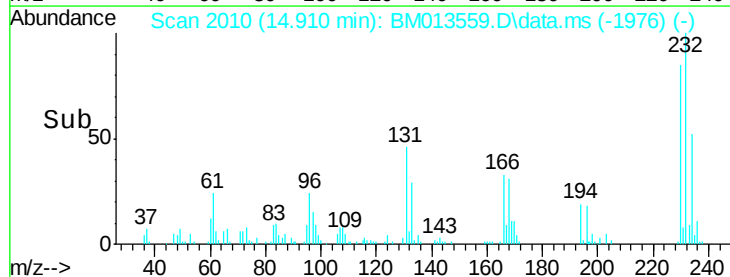
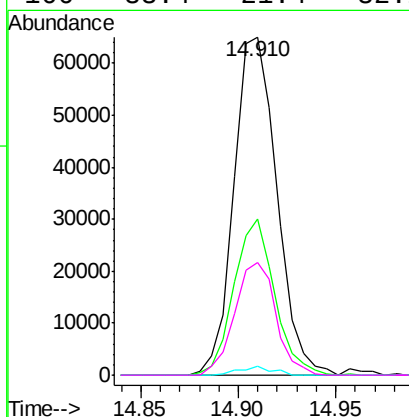
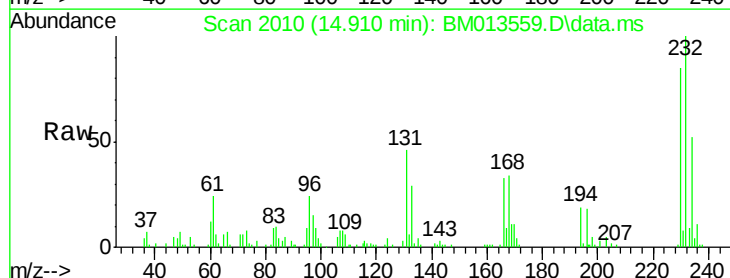
Ion Ratio Lower Upper

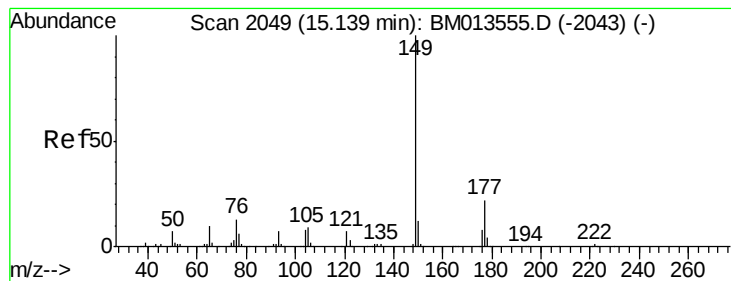
232 100

131 46.4 29.0 43.4#

130 2.9 2.0 3.0

166 33.4 21.4 32.2#





#56

Diethylphthalate

Concen: 18.71 ng/ul

RT: 15.110 min Scan# 2049

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

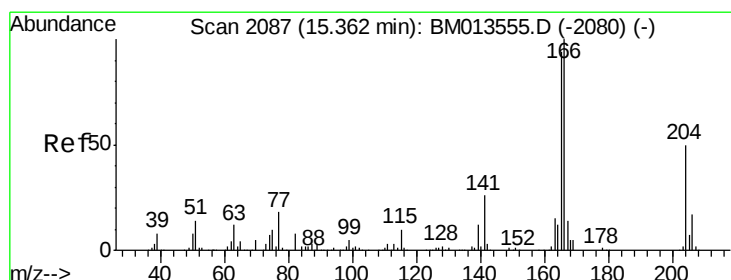
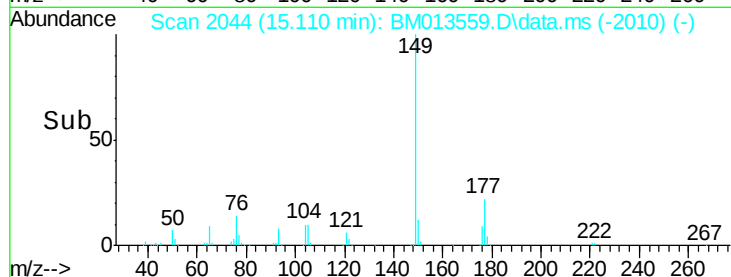
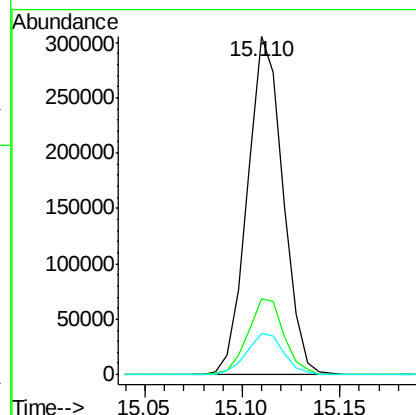
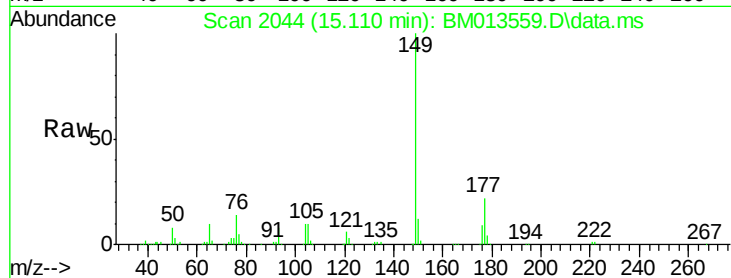
Tot Ion:149 Resp: 384518

Ion Ratio Lower Upper

149 100

177 22.5 20.5 30.7

150 12.2 10.6 15.8



#58

Fluorene

Concen: 19.39 ng/ul

RT: 15.328 min Scan# 2081

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

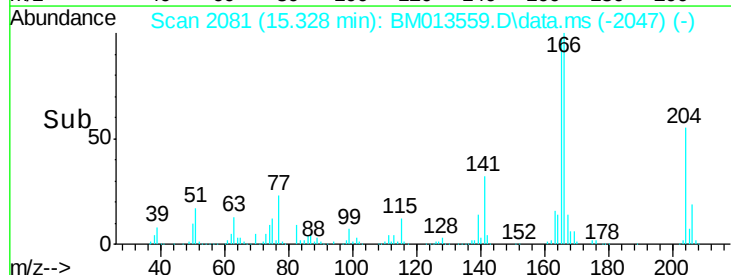
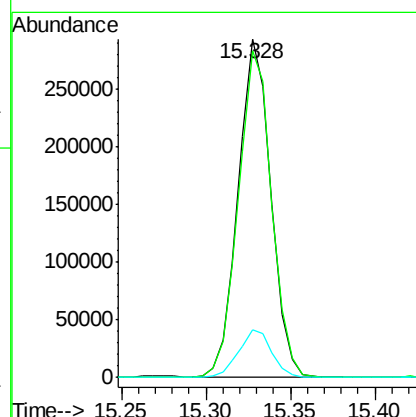
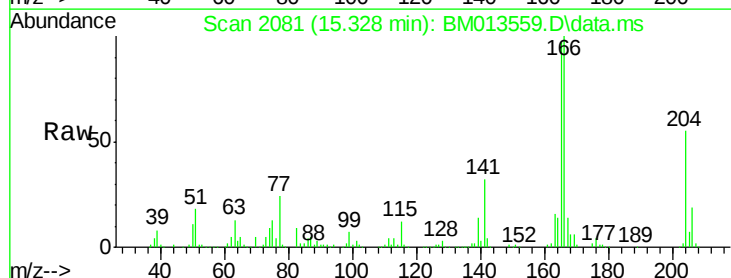
Tgt Ion:166 Resp: 394607

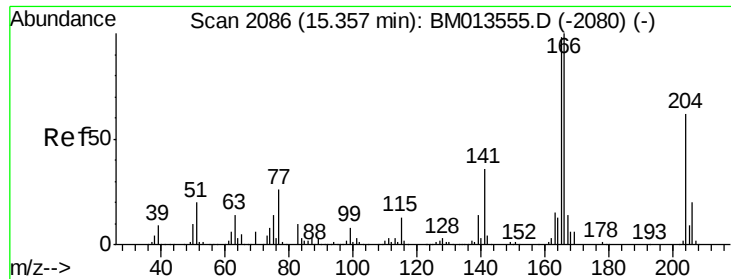
Ion Ratio Lower Upper

166 100

165 96.7 77.9 116.9

167 14.1 10.6 16.0





#59

4-Chlorophenyl-phenylether

Concen: 19.42 ng/ul

RT: 15.328 min Scan# 2086

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

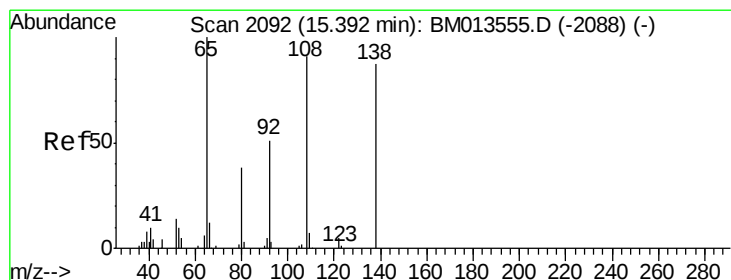
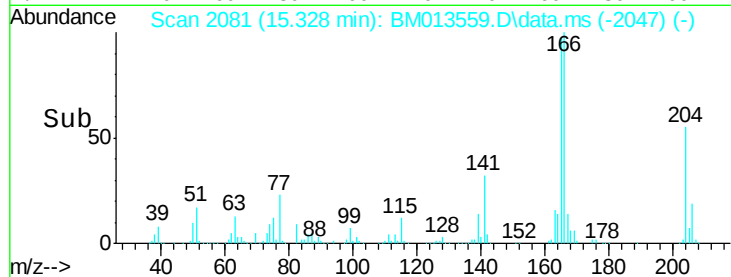
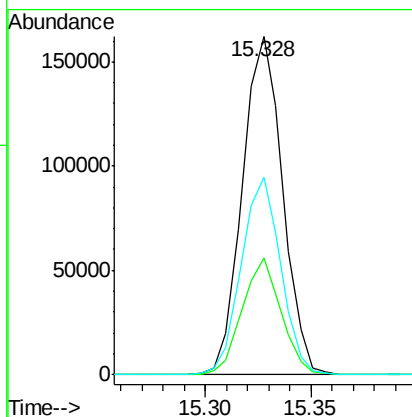
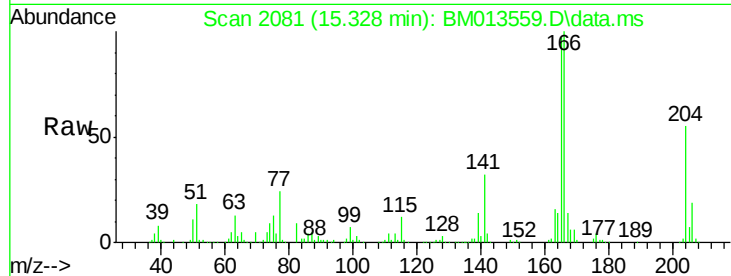
Tot Ion:204 Resp: 214520

Ion Ratio Lower Upper

204 100

206 34.4 24.8 37.2

141 58.3 44.3 66.5



#60

4-Nitroaniline

Concen: 16.52 ng/ul

RT: 15.363 min Scan# 2087

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

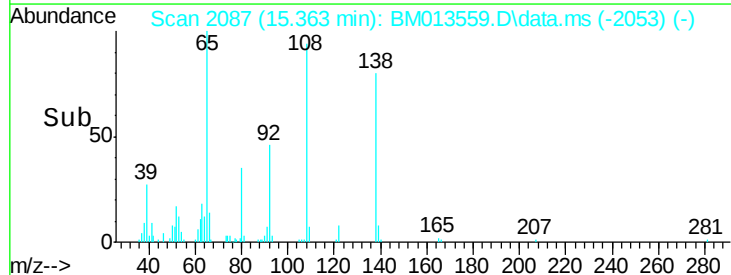
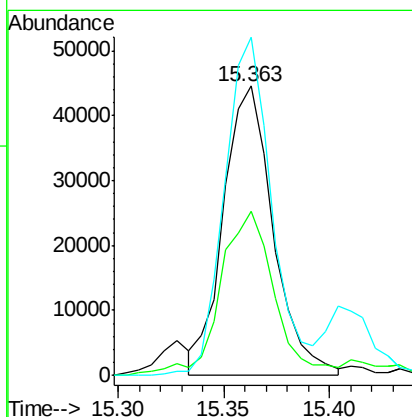
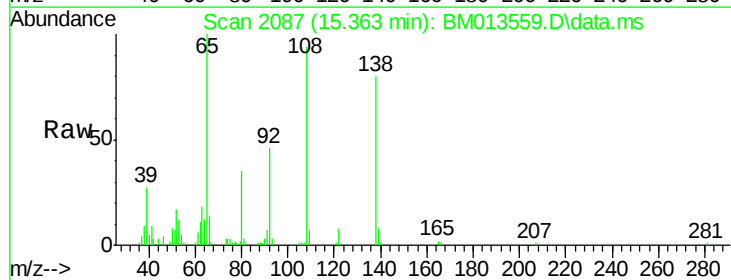
Tgt Ion:138 Resp: 72819

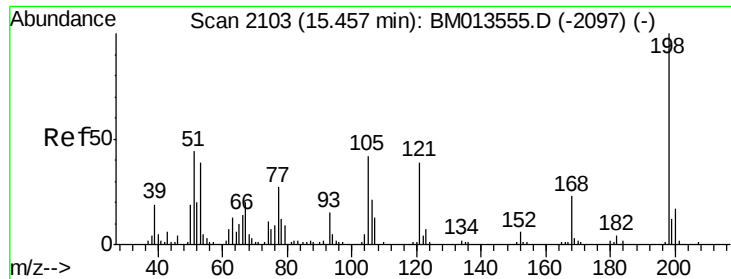
Ion Ratio Lower Upper

138 100

92 56.8 40.0 60.0

108 117.1 80.0 120.0

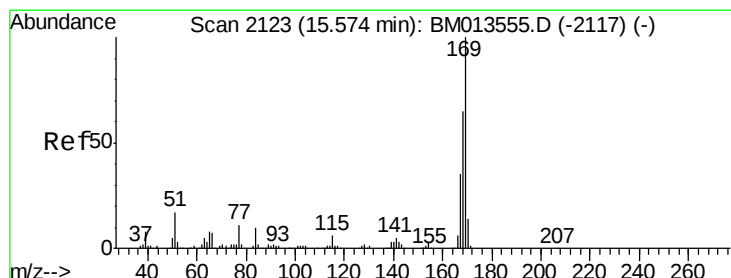
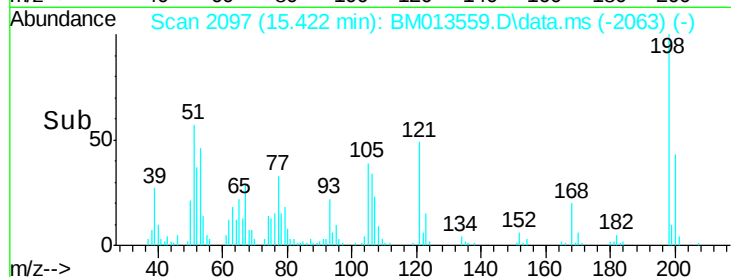
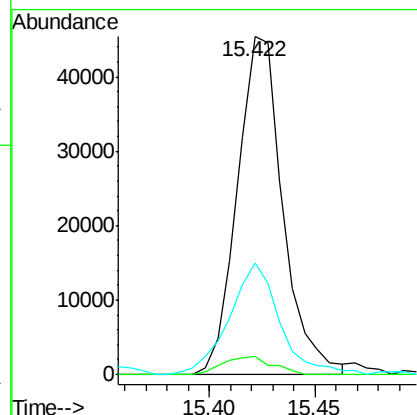
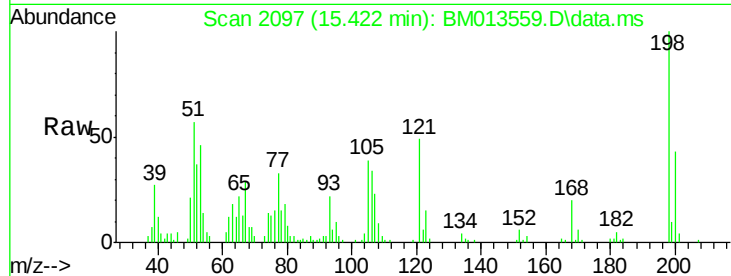




#63
 4,6-Dinitro-2-methylphenol
 Concen: 18.65 ng/ul
 RT: 15.422 min Scan# 2097
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

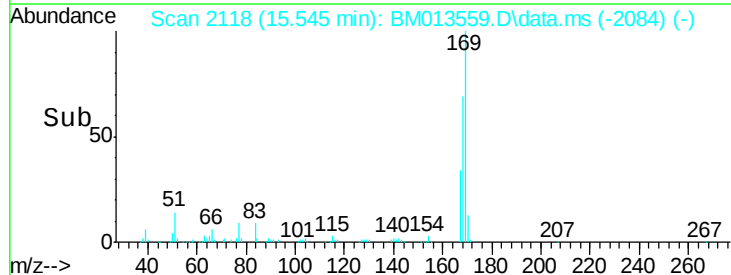
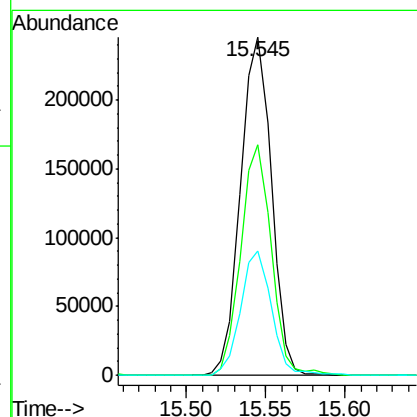
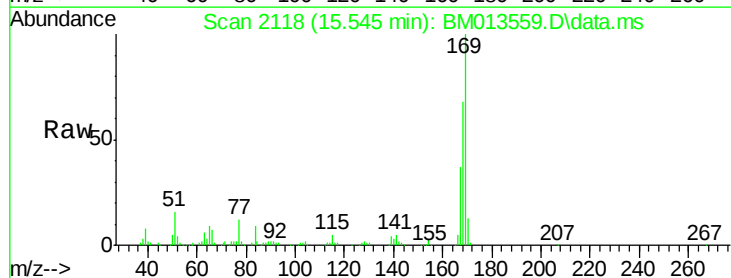
Instrument :
 BNA_M
 ClientSampleId :
 SST02010

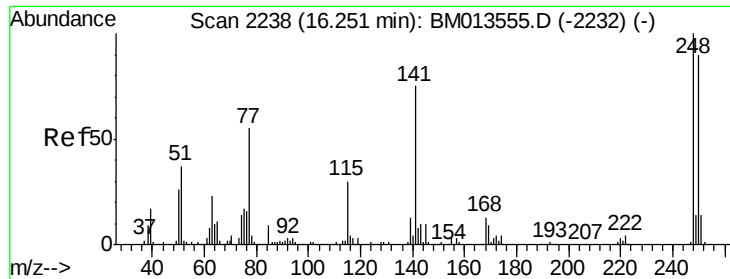
Tot Ion:198 Resp: 67805
 Ion Ratio Lower Upper
 198 100
 182 5.3 3.8 5.6
 77 33.0 25.2 37.8



#64
 N-Nitrosodiphenylamine
 Concen: 19.51 ng/ul
 RT: 15.545 min Scan# 2118
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

Tgt Ion:169 Resp: 332280
 Ion Ratio Lower Upper
 169 100
 168 68.3 54.0 81.0
 167 36.8 29.1 43.7

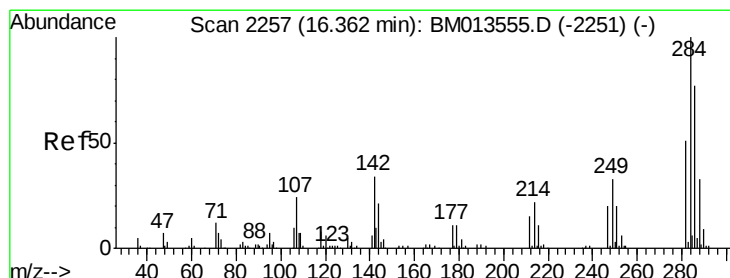
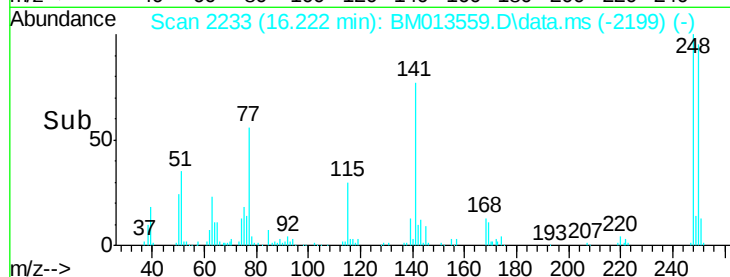
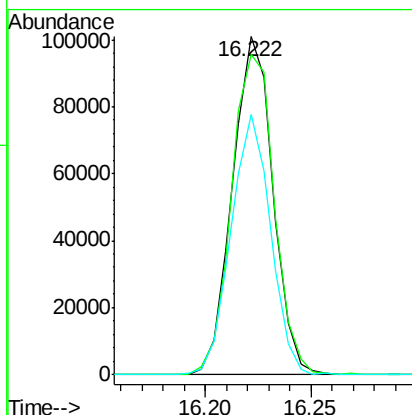
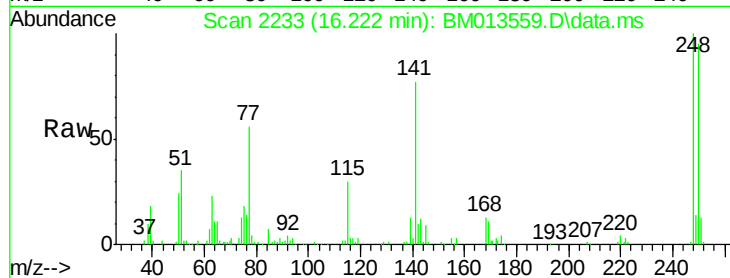




#65
4-Bromophenyl-phenylether
Concen: 19.68 ng/ul
RT: 16.222 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

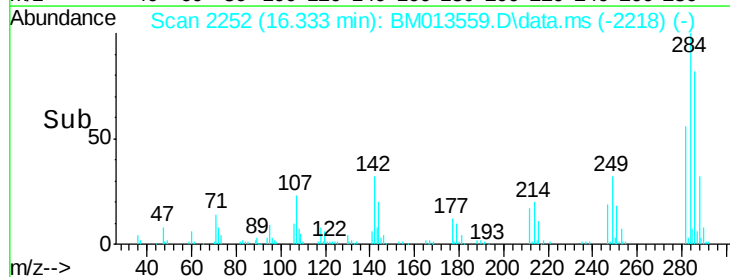
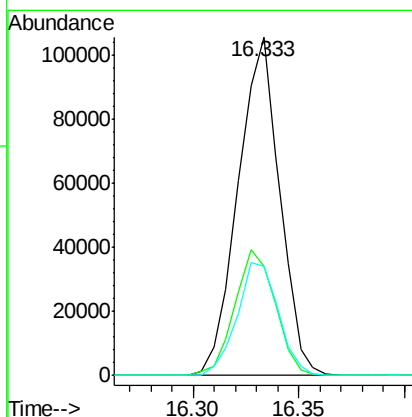
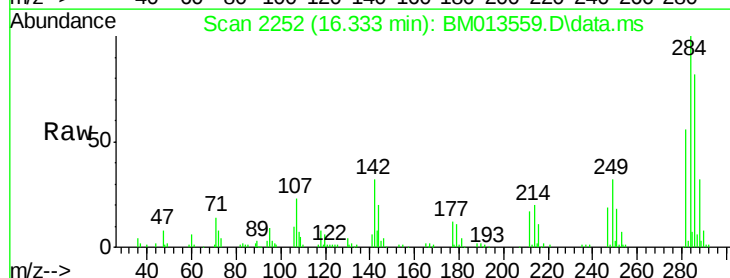
Instrument :
BNA_M
ClientSampleId :
SSTD02010

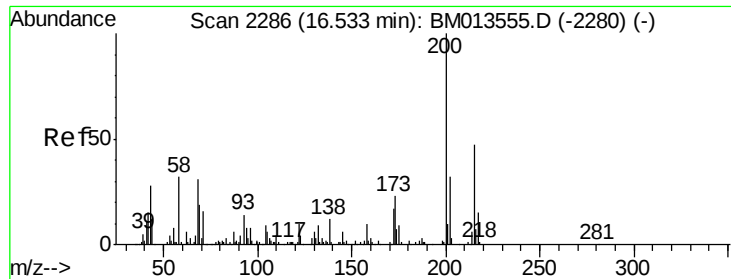
Tot Ion:248 Resp: 133770
Ion Ratio Lower Upper
248 100
250 94.9 80.5 120.7
141 76.9 53.6 80.4



#66
Hexachlorobenzene
Concen: 19.21 ng/ul
RT: 16.333 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion:284 Resp: 144015
Ion Ratio Lower Upper
284 100
142 32.3 21.2 31.8#
249 32.1 24.5 36.7

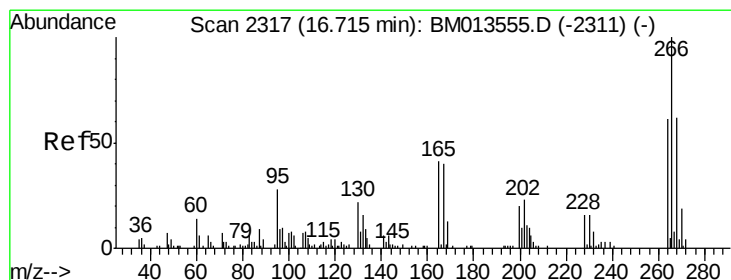
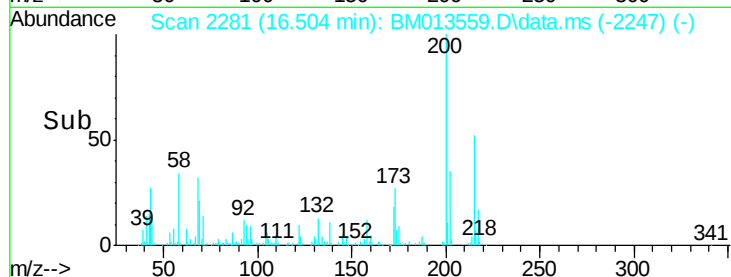
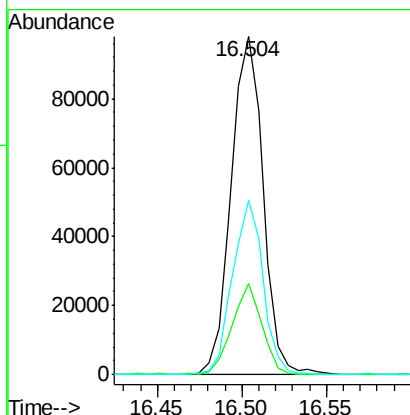
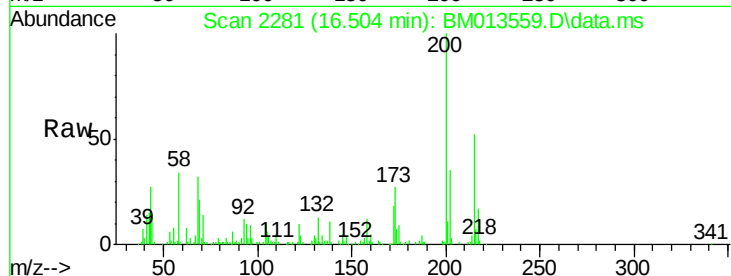




#67
 Atrazine
 Concen: 20.52 ng/ul
 RT: 16.504 min Scan# 2286
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

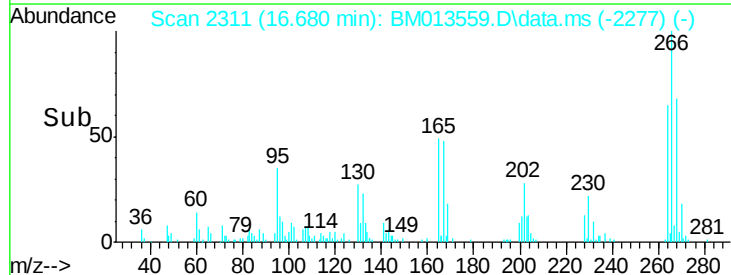
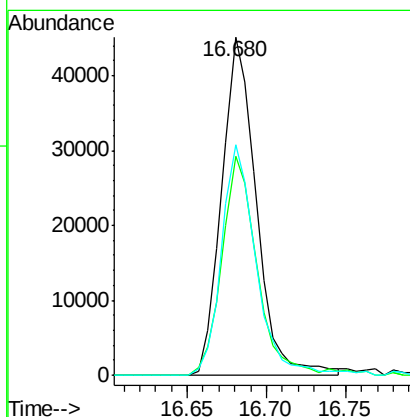
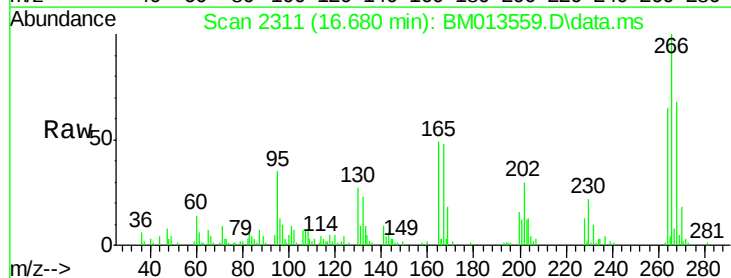
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02010

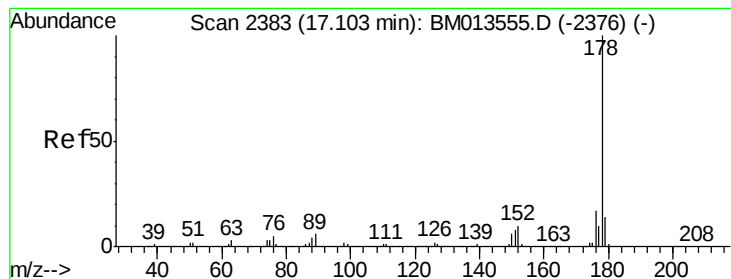
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.1	18.2	27.2
215	51.6	35.0	52.4



#68
 Pentachlorophenol
 Concen: 15.77 ng/ul
 RT: 16.680 min Scan# 2311
 Delta R.T. 0.000 min
 Lab File: BM013559.D
 Acq: 10 Jan 2018 10:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.9	49.3	73.9
268	68.2	52.6	78.8





#69

Phenanthrene

Concen: 19.37 ng/ul

RT: 17.069 min Scan# 23

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

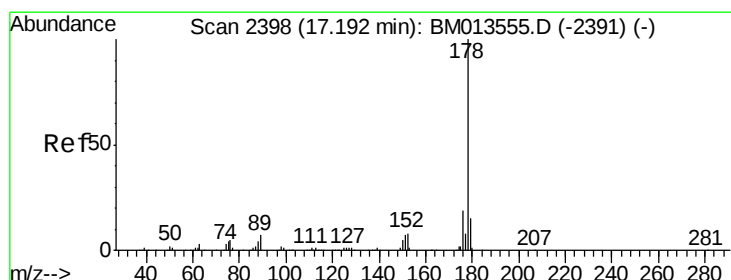
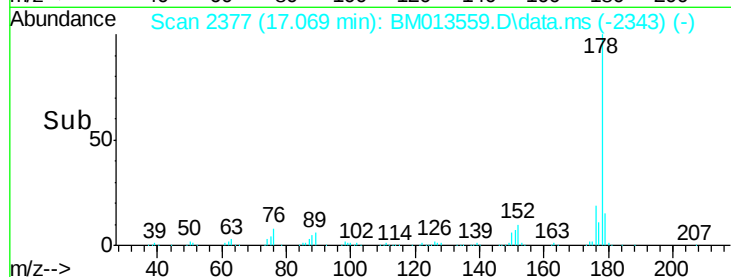
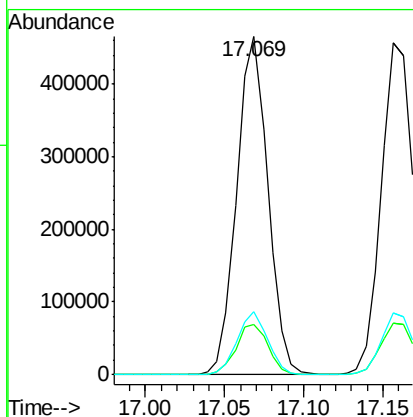
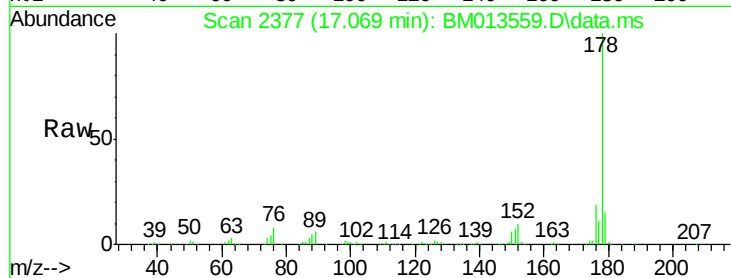
Tot Ion:178 Resp: 636381

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

176 18.7 14.9 22.3



#71

Anthracene

Concen: 19.31 ng/ul

RT: 17.157 min Scan# 2392

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

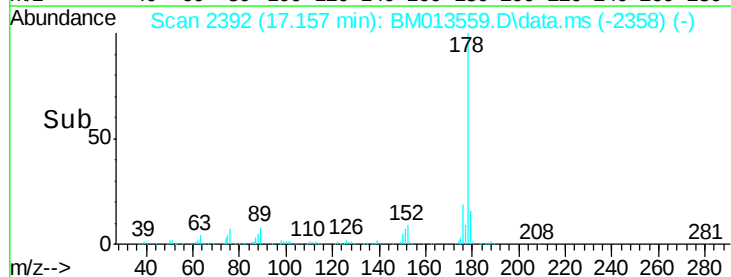
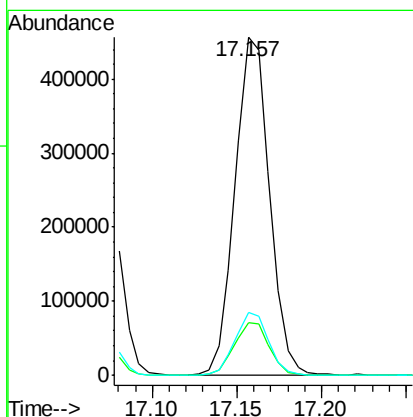
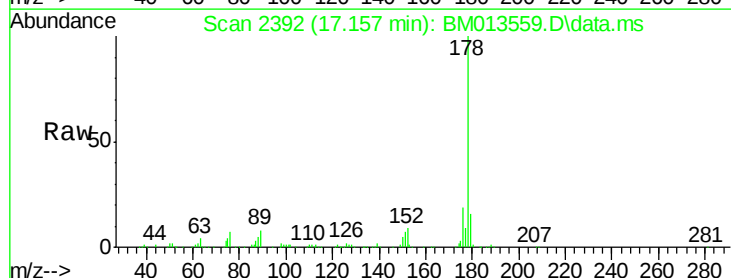
Tgt Ion:178 Resp: 648221

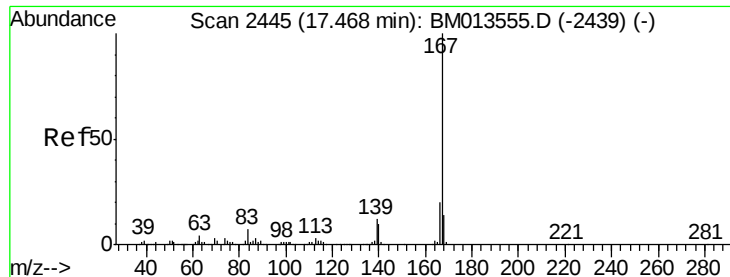
Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

176 18.6 14.6 21.8





#72

Carbazole

Concen: 18.50 ng/ul

RT: 17.433 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

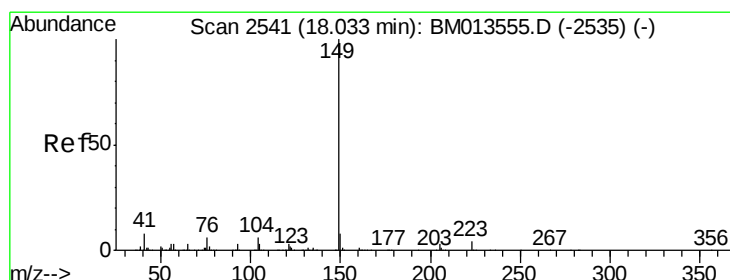
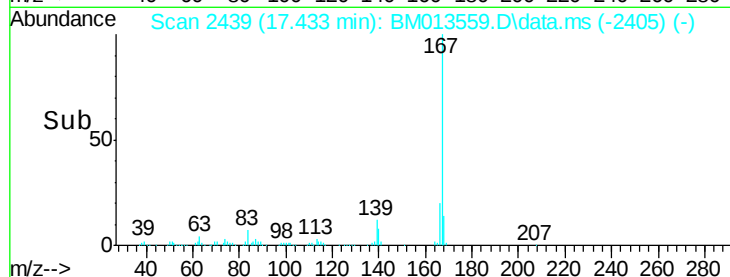
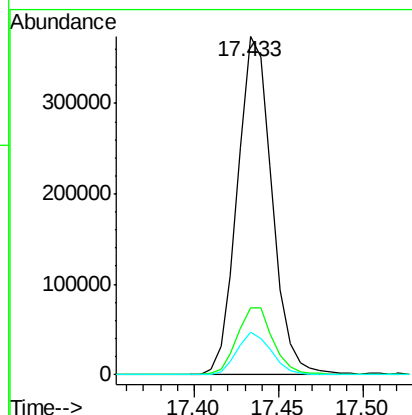
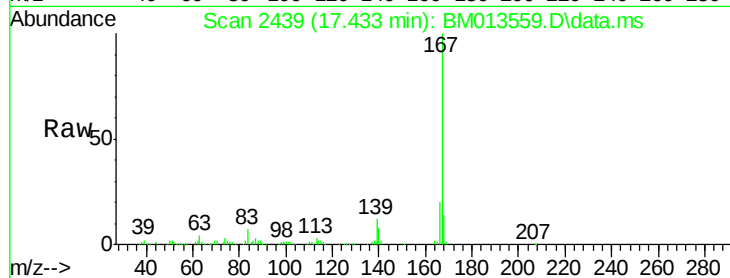
Tot Ion:167 Resp: 534352

Ion Ratio Lower Upper

167 100

166 19.8 17.1 25.7

139 12.5 10.0 15.0



#73

Di-n-butylphthalate

Concen: 18.77 ng/ul

RT: 18.004 min Scan# 2536

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

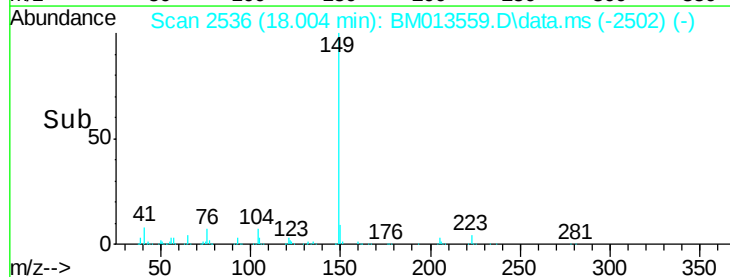
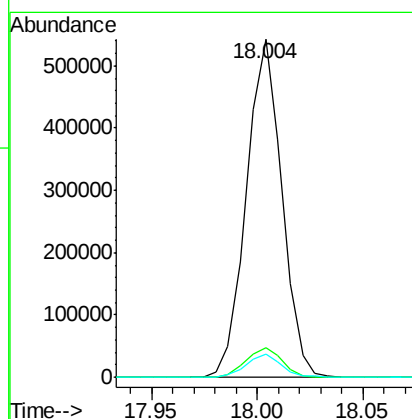
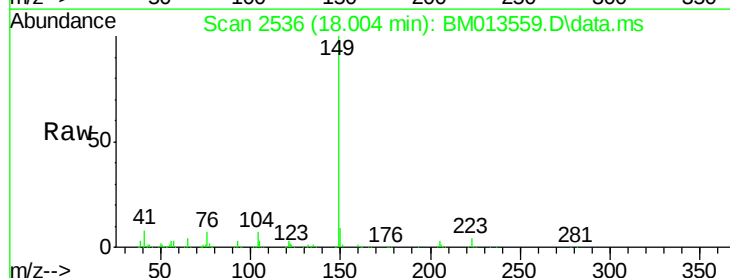
Tgt Ion:149 Resp: 632867

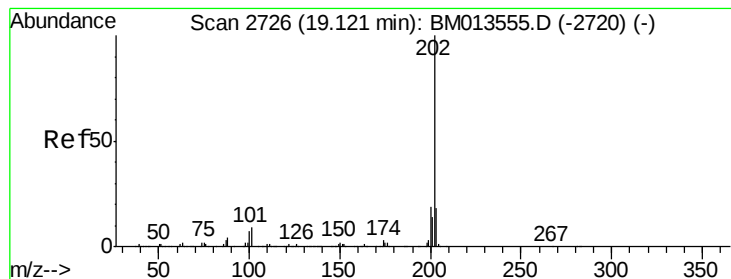
Ion Ratio Lower Upper

149 100

150 8.8 7.1 10.7

104 6.9 5.6 8.4





#74

Fluoranthene

Concen: 18.78 ng/ul

RT: 19.092 min Scan# 27

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

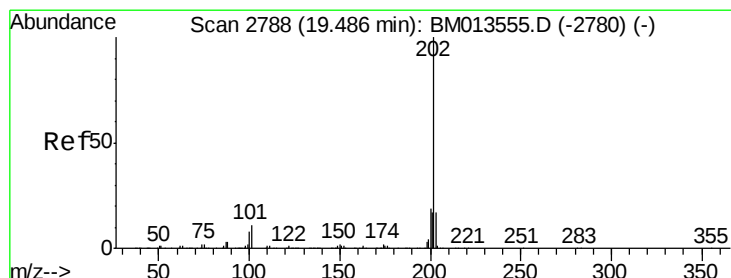
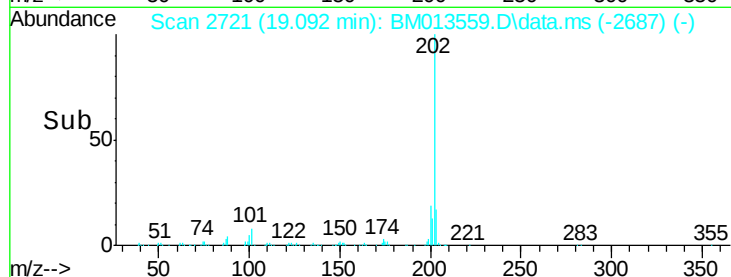
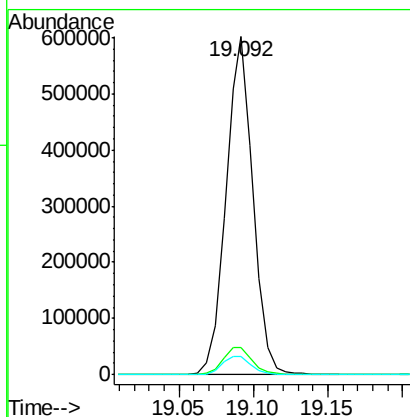
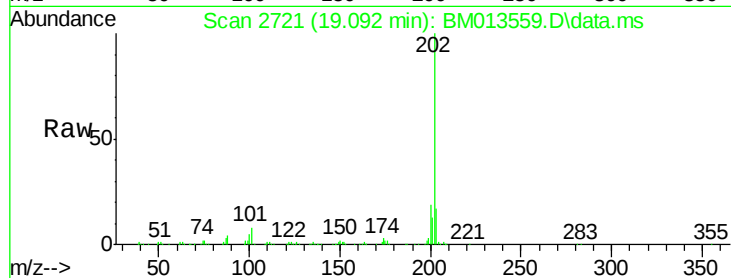
Tot Ion:202 Resp: 755837

Ion Ratio Lower Upper

202 100

101 7.9 4.6 7.0#

100 5.4 3.4 5.2#



#77

Pyrene

Concen: 19.73 ng/ul

RT: 19.457 min Scan# 2783

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

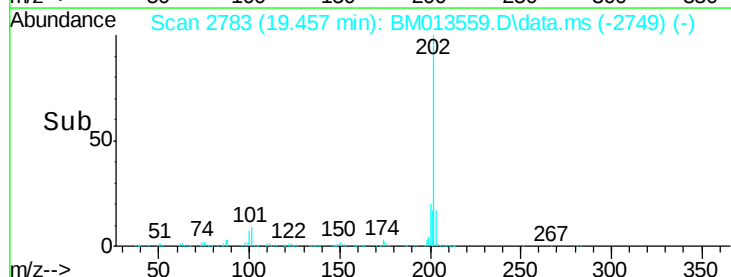
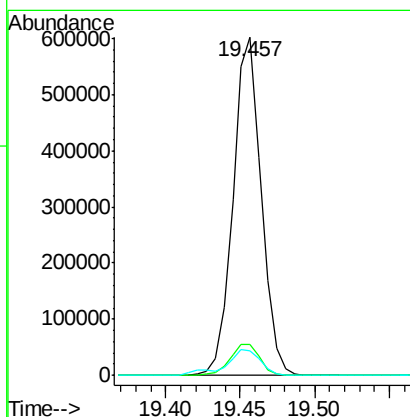
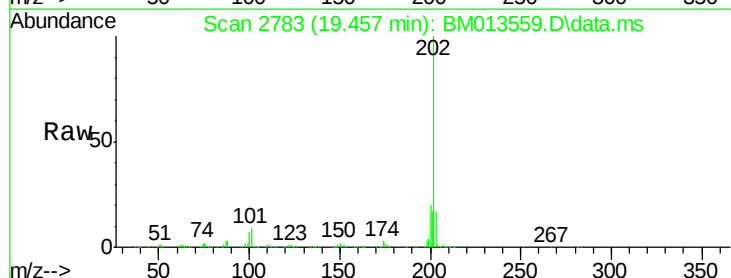
Tgt Ion:202 Resp: 793933

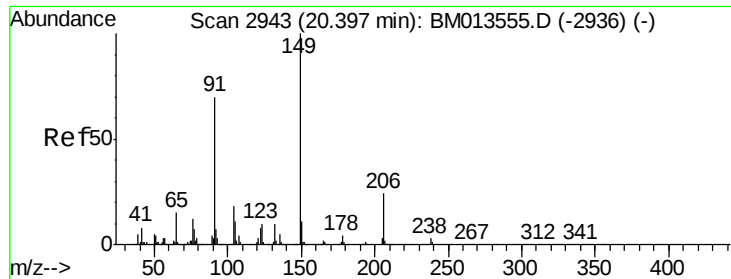
Ion Ratio Lower Upper

202 100

101 9.3 5.1 7.7#

100 7.3 4.9 7.3#

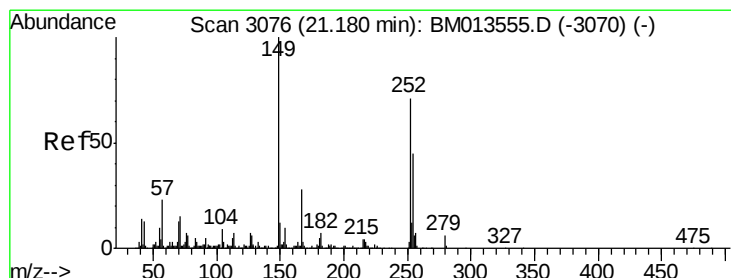
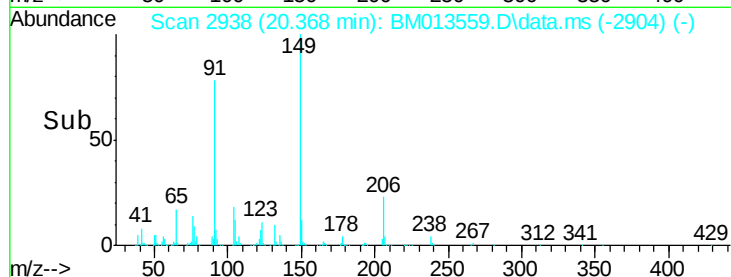
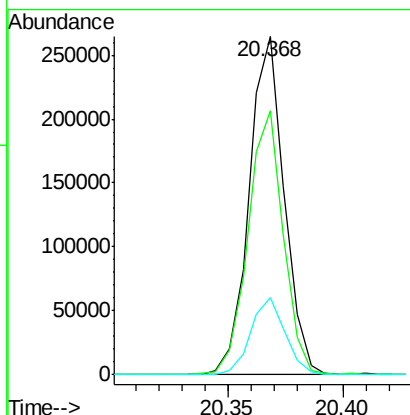
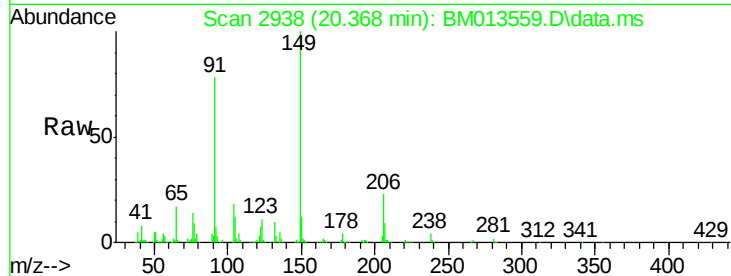




#78
Butylbenzylphthalate
Concen: 17.86 ng/ul
RT: 20.368 min Scan# 2943
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

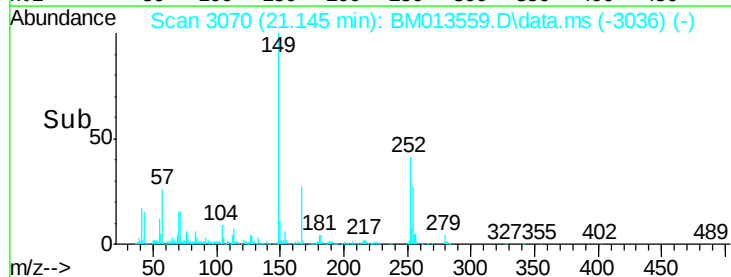
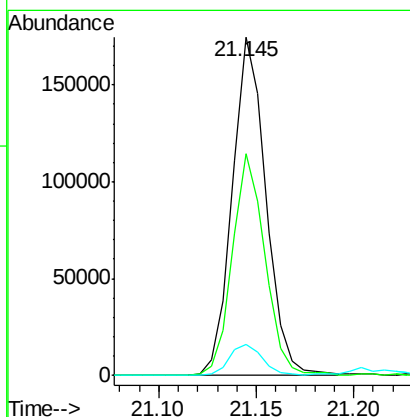
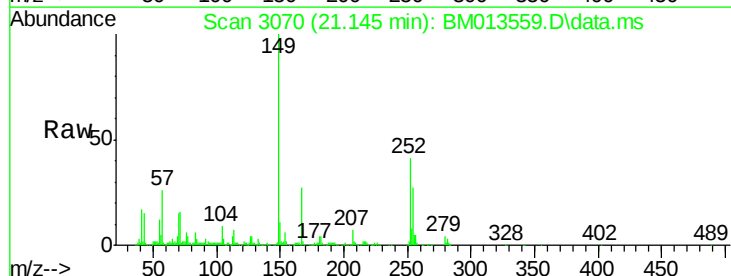
Instrument :
BNA_M
ClientSampleId :
SSTD02010

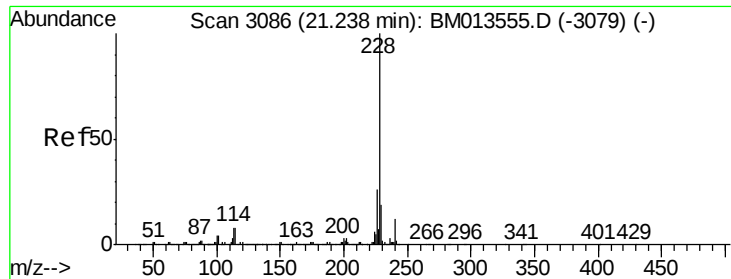
Tot Ion	Ratio	Lower	Upper
149	100		
91	78.2	62.7	94.1
206	22.7	20.8	31.2



#79
3,3'-Dichlorobenzidine
Concen: 15.03 ng/ul
RT: 21.145 min Scan# 3070
Delta R.T. 0.000 min
Lab File: BM013559.D
Acq: 10 Jan 2018 10:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.7	54.5	81.7
126	9.1	5.8	8.8#





#80

Benzo(a)anthracene

Concen: 18.75 ng/ul

RT: 21.204 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

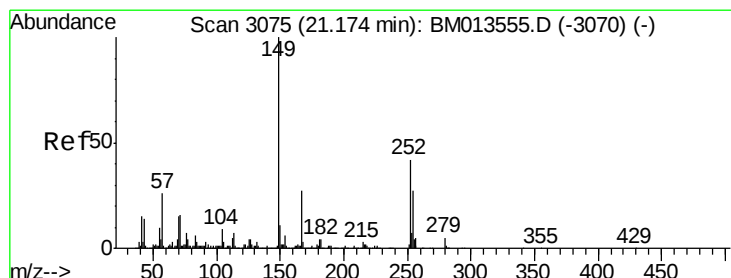
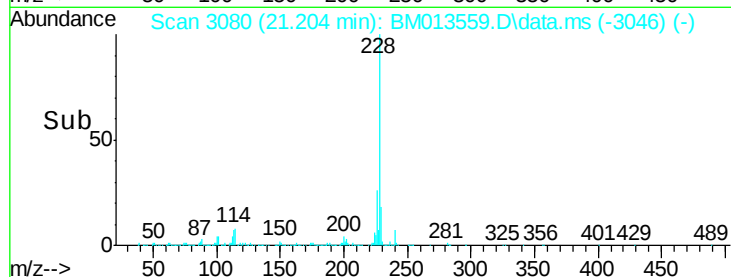
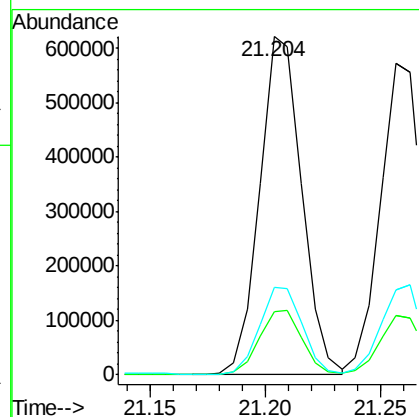
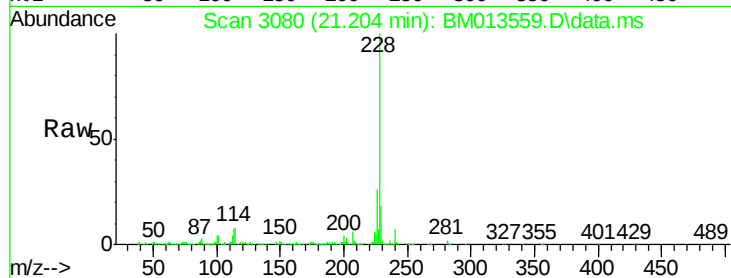
Tot Ion:228 Resp: 787904

Ion Ratio Lower Upper

228 100

229 18.5 15.4 23.0

226 25.9 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 18.00 ng/ul

RT: 21.145 min Scan# 3070

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

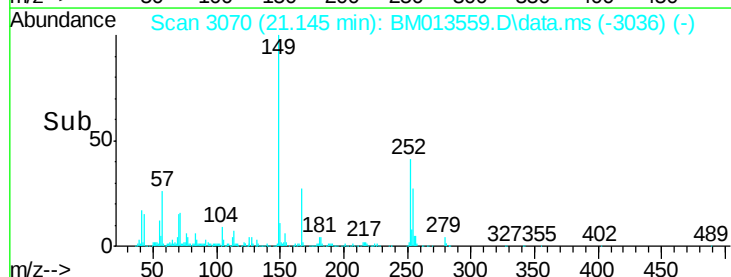
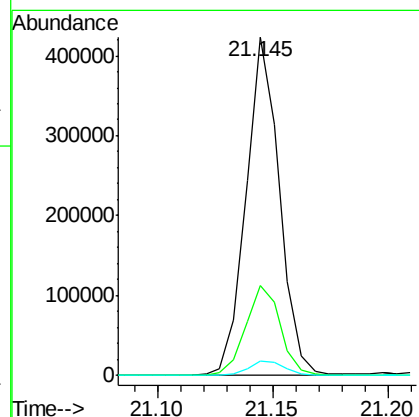
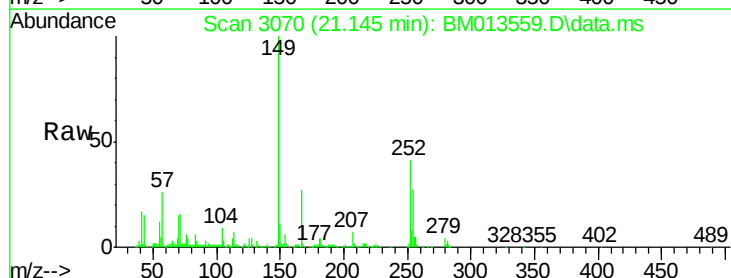
Tgt Ion:149 Resp: 426564

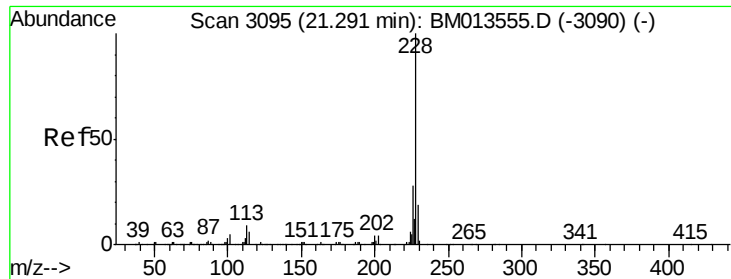
Ion Ratio Lower Upper

149 100

167 26.7 22.8 34.2

279 4.1 4.9 7.3#





#82

Chrysene

Concen: 18.74 ng/ul

RT: 21.257 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

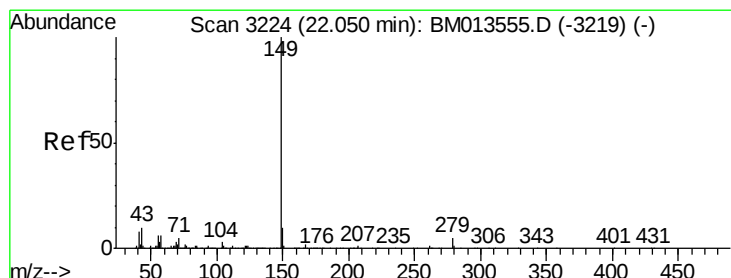
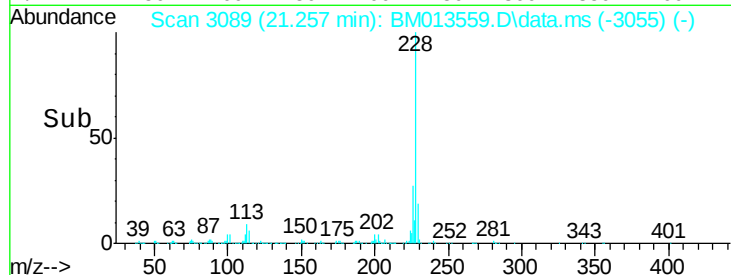
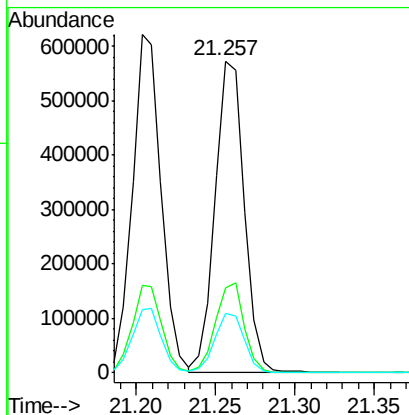
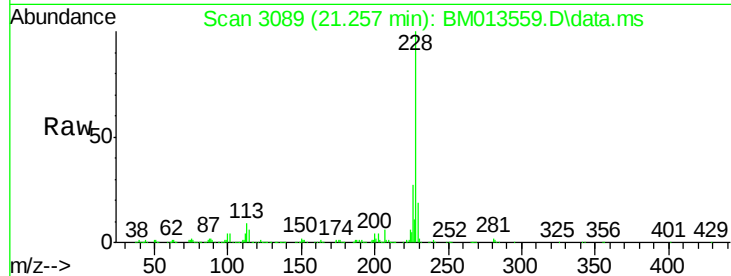
Tot Ion:228 Resp: 730454

Ion Ratio Lower Upper

228 100

226 27.2 23.4 35.2

229 19.1 15.5 23.3



#84

Di-n-octyl phthalate

Concen: 15.76 ng/ul

RT: 22.015 min Scan# 3218

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

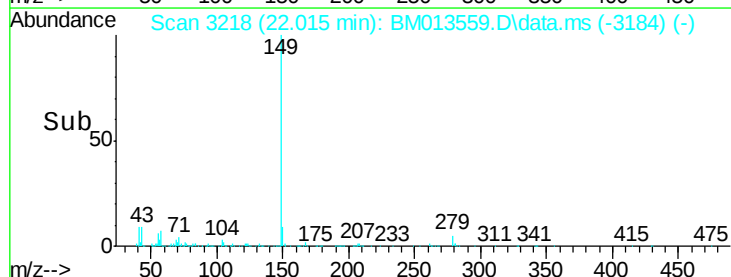
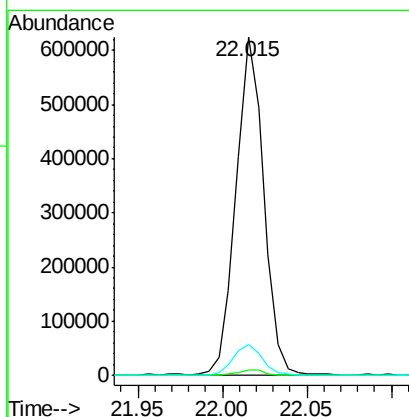
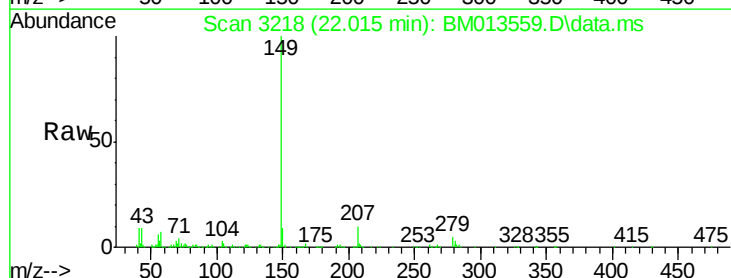
Tgt Ion:149 Resp: 708413

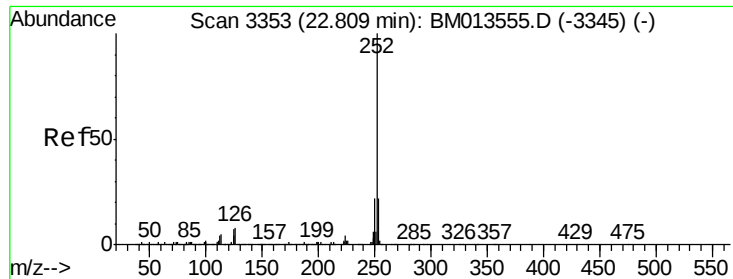
Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.9 7.3 10.9





#85

Benzo(b)fluoranthene

Concen: 18.62 ng/ul

RT: 22.768 min Scan# 33

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

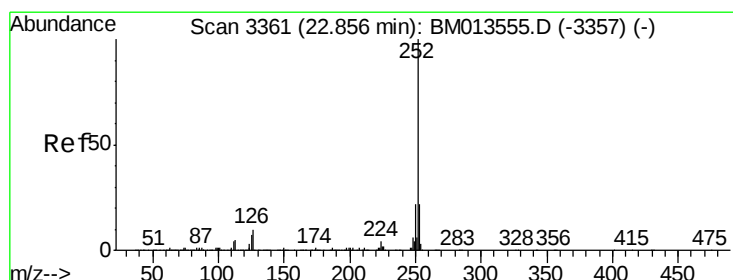
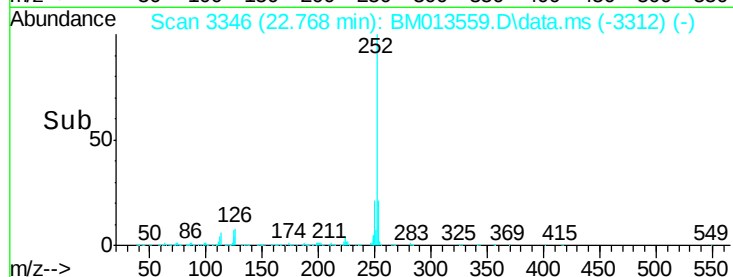
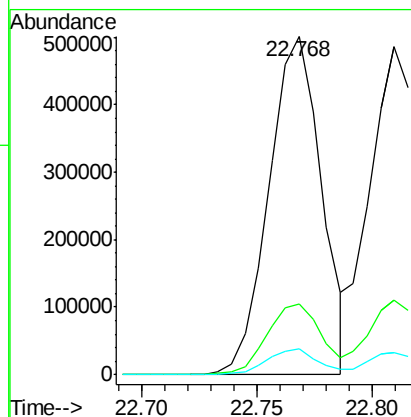
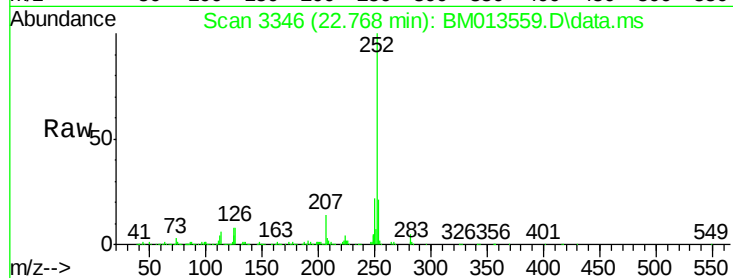
Tot Ion:252 Resp: 793099

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

125 7.5 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 19.13 ng/ul

RT: 22.809 min Scan# 3353

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

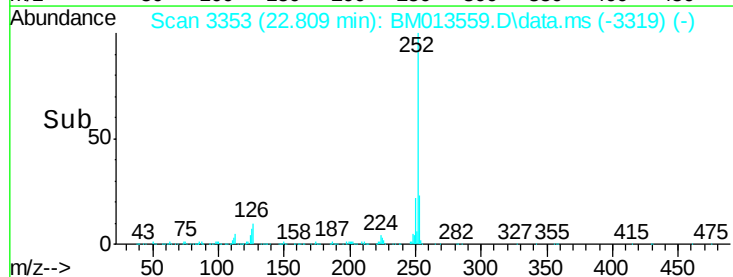
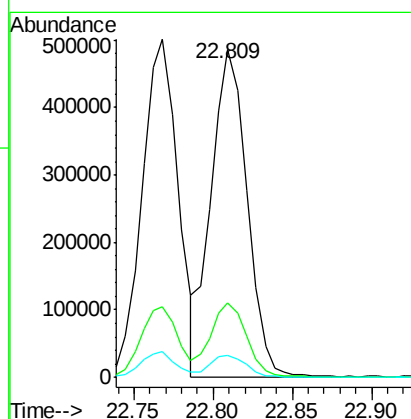
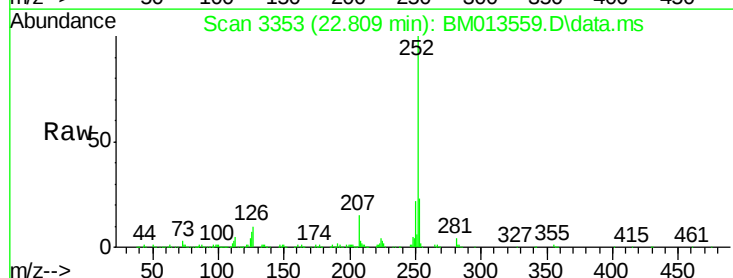
Tgt Ion:252 Resp: 766814

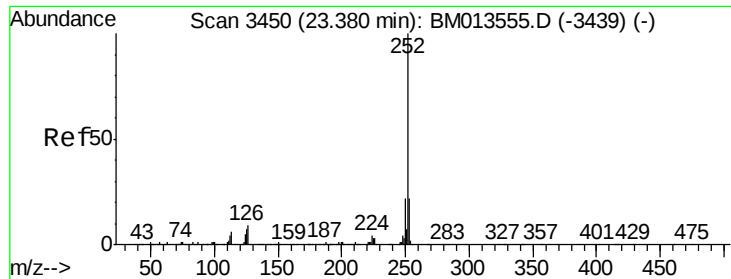
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 6.7 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 19.43 ng/ul

RT: 23.327 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

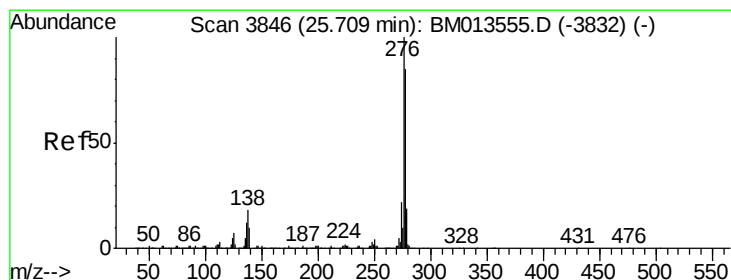
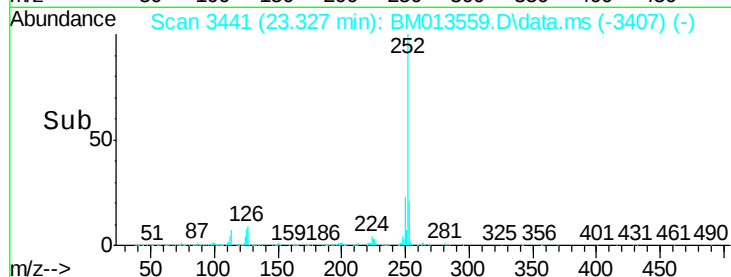
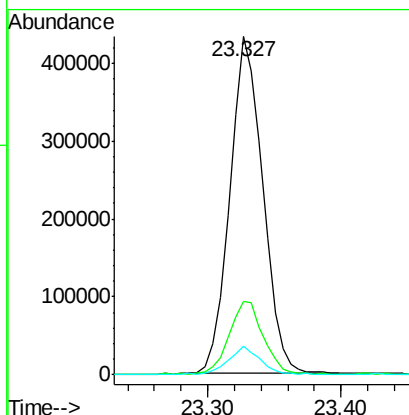
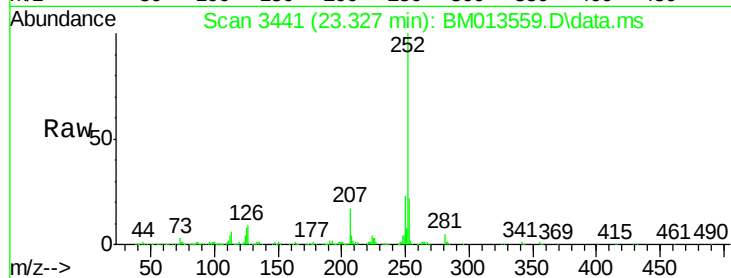
Tot Ion:252 Resp: 743411

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

125 8.2 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 22.72 ng/ul

RT: 25.633 min Scan# 3833

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

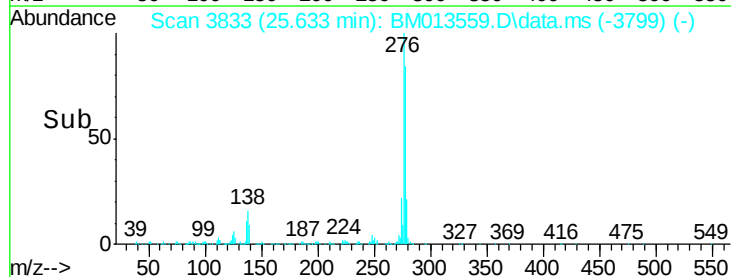
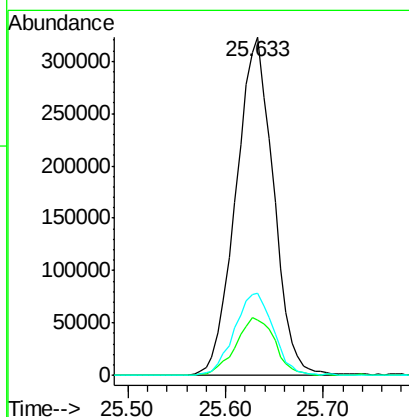
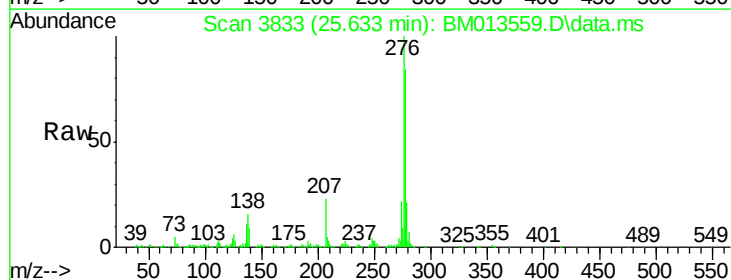
Tgt Ion:276 Resp: 862834

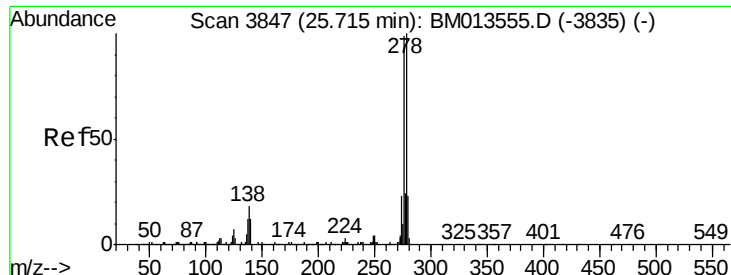
Ion Ratio Lower Upper

276 100

138 16.2 9.3 13.9#

277 24.4 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 22.61 ng/ul

RT: 25.639 min Scan# 38

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Instrument :

BNA_M

ClientSampleId :

SSTD02010

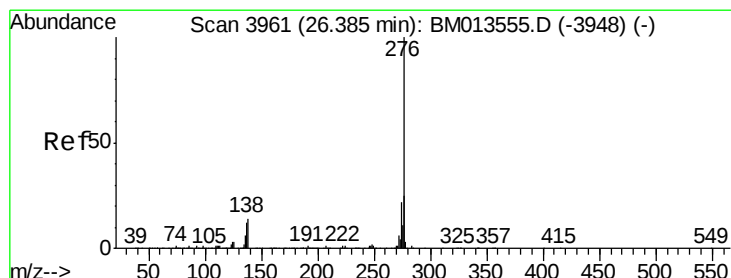
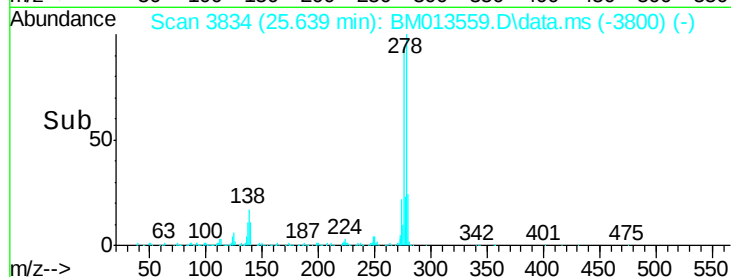
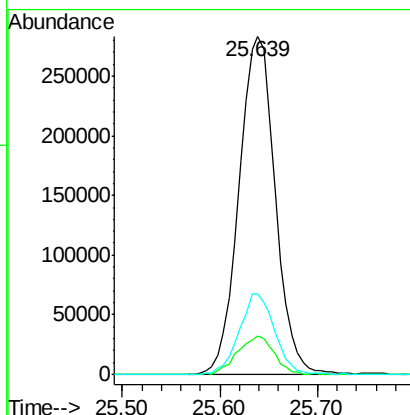
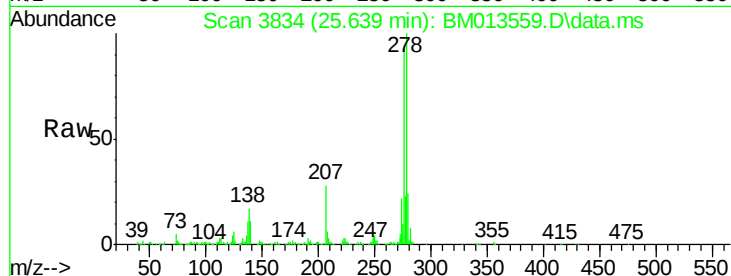
Tot Ion:278 Resp: 730918

Ion Ratio Lower Upper

278 100

139 11.5 5.8 8.8#

279 23.7 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 23.85 ng/ul

RT: 26.303 min Scan# 3947

Delta R.T. 0.000 min

Lab File: BM013559.D

Acq: 10 Jan 2018 10:25

Tgt Ion:276 Resp: 714170

Ion Ratio Lower Upper

276 100

138 13.4 8.5 12.7#

277 21.2 18.6 28.0

