

Data Path : Z:\HPCHEM1\BNA M\Data\BM011018\
 Data File : BM013562.D
 Acq On : 10 Jan 2018 12:12
 Operator : SJ/JU
 Sample : SSTD16013
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

Quant Time: Jan 10 12:45:22 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 10 12:28:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.622	152	138747	20.00	ng/ul	0.00
18) Naphthalene-d8	10.410	136	541791	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.280	164	323747	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.033	188	732029	20.00	ng/ul	0.00
75) Chrysene-d12	21.227	240	758028	20.00	ng/ul	0.00
83) Perylene-d12	23.433	264	695687	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.163	96	200951	71.73	ng/uL	0.00
5) Phenol-d5	6.822	99	1771103	147.52	ng/ul	0.01
7) Bis-(2-Chloroethyl)eth...	6.975	67	1009764	147.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.169	132	1482571	158.04	ng/ul	0.01
13) 4-Methylphenol-d8	8.357	113	1383185	134.87	ng/ul	0.02
19) Nitrobenzene-d5	8.793	128	711101	165.50	ng/ul	0.02
22) 2-Nitrophenol-d4	9.504	143	789826	171.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.045	165	1521545	160.57	ng/ul	0.01
29) 4-Chloroaniline-d4	10.557	131	1257037	144.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.704	166	4355063	151.17	ng/ul	0.01
46) Acenaphthylene-d8	13.975	160	5634075	158.48	ng/ul	0.01
51) 4-Nitrophenol-d4	14.527	143	769002	153.63	ng/ul	0.03
57) Fluorene-d10	15.280	176	3787694	152.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylph...	15.427	200	825775	179.32	ng/ul	0.02
70) Anthracene-d10	17.139	188	5877494	160.32	ng/ul	0.02
76) Pyrene-d10	19.433	212	6401581	169.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.303	264	5481536	154.69	ng/ul	0.02

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.199	88	213131	67.77	ng/uL#	61
4) Benzaldehyde	6.781	77	895938	150.83	ng/ul	90
6) Phenol	6.851	94	1779019	149.91	ng/ul#	84
8) Bis(2-Chloroethyl)ether	7.075	93	1339057	147.58	ng/ul	99
10) 2-Chlorophenol	7.204	128	1453290	158.00	ng/ul	95
11) 2-Methylphenol	8.081	108	1335845	145.54	ng/ul	98
12) 2,2'-oxybis(1-Chloropr...	8.169	45	1364440	143.22	ng/ul#	79
14) Acetophenone	8.463	105	2233265	143.19	ng/ul	89
15) N-Nitroso-di-n-propyla...	8.469	70	1122289	142.86	ng/ul#	70
16) 4-Methylphenol	8.428	108	1406937	143.35	ng/ul	94
17) Hexachloroethane	8.693	117	638515	159.45	ng/ul#	76
20) Nitrobenzene	8.840	77	1745116	161.24	ng/ul	94
21) Isophorone	9.369	82	2881746	151.31	ng/ul	94
23) 2-Nitrophenol	9.540	139	812459	170.42	ng/ul#	81
24) 2,4-Dimethylphenol	9.604	107	1651601	158.84	ng/ul	90
25) Bis(2-Chloroethoxy)met...	9.839	93	1757678	157.69	ng/ul	95
27) 2,4-Dichlorophenol	10.069	162	1472569	168.24	ng/ul#	91
28) Naphthalene	10.463	128	4540699	162.90	ng/ul	99
30) 4-Chloroaniline	10.581	127	1248262	148.04	ng/ul	95
31) Hexachlorobutadiene	10.739	225	1063922	167.81	ng/ul	95
32) Caprolactam	11.410	113	235664	84.24	ng/ul#	42
33) 4-Chloro-3-methylphenol	11.728	107	1441428	150.12	ng/ul	95
34) 2-Methylnaphthalene	12.081	142	3353190	160.03	ng/ul	97

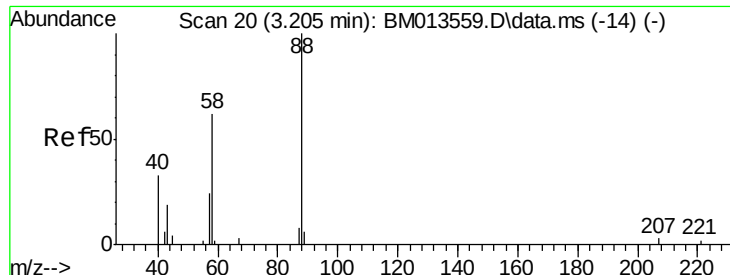
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachloroben...	12.457	216	1934821	165.62	ng/ul	97
37) Hexachlorocyclopentadiene	12.428	237	1016561	132.21	ng/ul	99
38) 2,4,6-Trichlorophenol	12.710	196	1253489	172.11	ng/ul	98
39) 2,4,5-Trichlorophenol	12.786	196	1287760	166.46	ng/ul	99
40) 1,1'-Biphenyl	13.110	154	4426786	161.79	ng/ul	98
41) 2-Chloronaphthalene	13.151	162	3441720	160.33	ng/ul	99
42) 2-Nitroaniline	13.375	65	1025110	163.00	ng/ul	92
44) Dimethylphthalate	13.757	163	4185124	151.88	ng/ul	99
45) 2,6-Dinitrotoluene	13.880	165	916220	163.03	ng/ul	96
47) Acenaphthylene	14.004	152	5064547	153.94	ng/ul	99
48) 3-Nitroaniline	14.210	138	670737	133.53	ng/ul	88
49) Acenaphthene	14.345	153	3508415	156.54	ng/ul	98
50) 2,4-Dinitrophenol	14.422	184	585633	188.31	ng/ul	90
52) 4-Nitrophenol	14.545	109	721727	146.98	ng/ul#	81
53) Dibenzofuran	14.686	168	5223625	157.88	ng/ul	97
54) 2,4-Dinitrotoluene	14.674	165	1335786	163.40	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	14.922	232	1180326	166.40	ng/ul	93
56) Diethylphthalate	15.127	149	4323699	156.45	ng/ul	95
58) Fluorene	15.339	166	4404490	160.92	ng/ul	98
59) 4-Chlorophenyl-phenyle...	15.333	204	2306931	155.29	ng/ul	98
60) 4-Nitroaniline	15.392	138	740782	124.99	ng/ul	95
63) 4,6-Dinitro-2-methylph...	15.445	198	856970	186.22	ng/ul#	90
64) N-Nitrosodiphenylamine	15.557	169	3653690	169.44	ng/ul	97
65) 4-Bromophenyl-phenylether	16.227	248	1453598	168.92	ng/ul	95
66) Hexachlorobenzene	16.339	284	1504822	158.57	ng/ul#	91
67) Atrazine	16.521	200	1451004	182.30	ng/ul	92
68) Pentachlorophenol	16.686	266	918804	167.40	ng/ul	97
69) Phenanthrene	17.080	178	6665734	160.28	ng/ul	98
71) Anthracene	17.174	178	6834199	160.77	ng/ul	99
72) Carbazole	17.445	167	5768144	157.75	ng/ul	99
73) Di-n-butylphthalate	18.010	149	7461703	174.81	ng/ul	99
74) Fluoranthene	19.098	202	7874939	154.52	ng/ul#	90
77) Pyrene	19.468	202	7977789	173.23	ng/ul#	90
78) Butylbenzylphthalate	20.374	149	3309764	183.94	ng/ul	92
79) 3,3'-Dichlorobenzidine	21.151	252	2092067	131.29	ng/ul#	95
80) Benzo(a)anthracene	21.215	228	7585054	157.71	ng/ul	99
81) Bis(2-ethylhexyl)phtha...	21.151	149	5031023	185.50	ng/ul	99
82) Chrysene	21.268	228	6781495	151.98	ng/ul	99
84) Di-n-octyl phthalate	22.021	149	7936609	160.43	ng/ul	100
85) Benzo(b)fluoranthene	22.780	252	7586589	161.77	ng/ul#	96
86) Benzo(k)fluoranthene	22.827	252	6809692	154.30	ng/ul#	97
88) Benzo(a)pyrene	23.356	252	6849329	162.58	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.668	276	7853815	187.89	ng/ul#	92
90) Dibenzo(a,h)anthracene	25.680	278	6666578	187.30	ng/ul#	95
91) Benzo(g,h,i)perylene	26.344	276	6426050	194.90	ng/ul#	96

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



#2

1,4-Dioxane

Concen: 67.77 ng/uL

RT: 3.199 min Scan# 19

Delta R.T. -0.006 min

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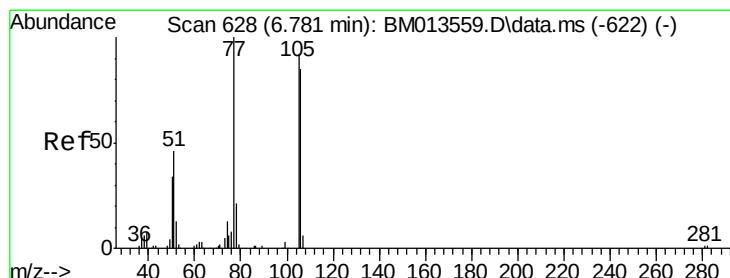
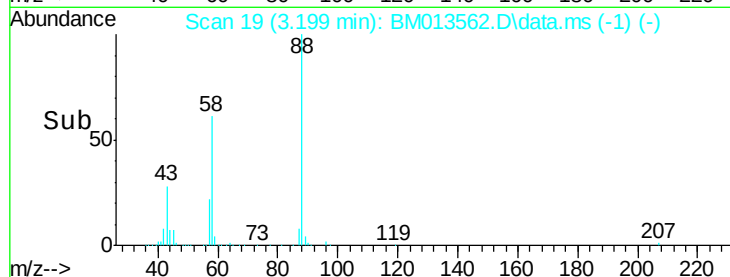
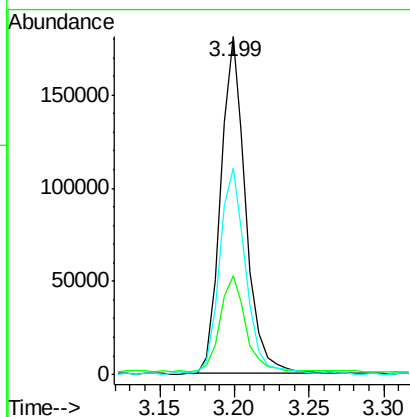
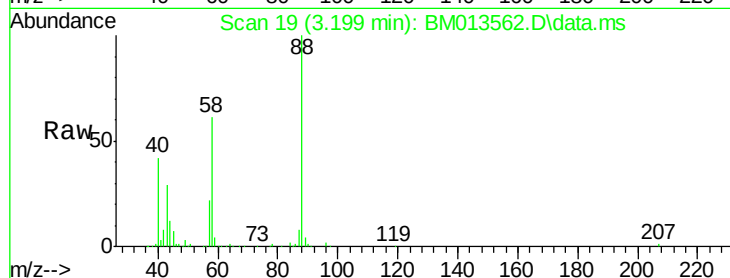
Tot Ion: 88 Resp: 213131

Ion Ratio Lower Upper

88 100

43 28.7 48.0 72.0#

58 63.2 80.0 120.0#



#4

Benzaldehyde

Concen: 150.83 ng/uL

RT: 6.781 min Scan# 628

Delta R.T. -0.000 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

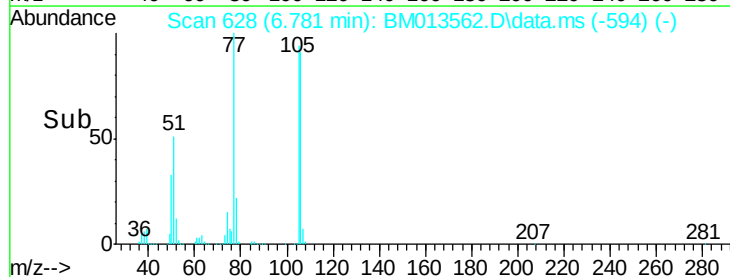
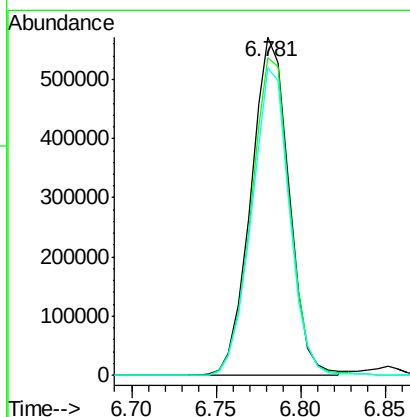
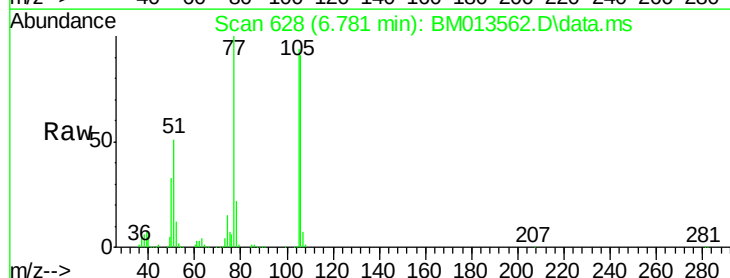
Tgt Ion: 77 Resp: 895938

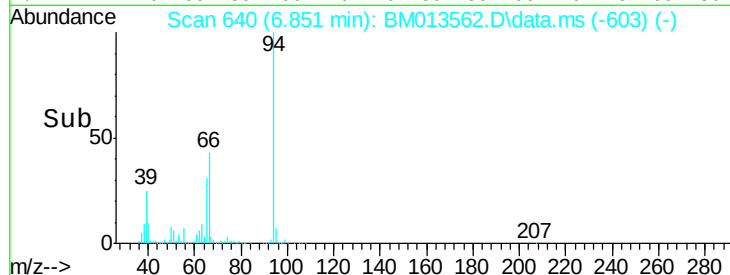
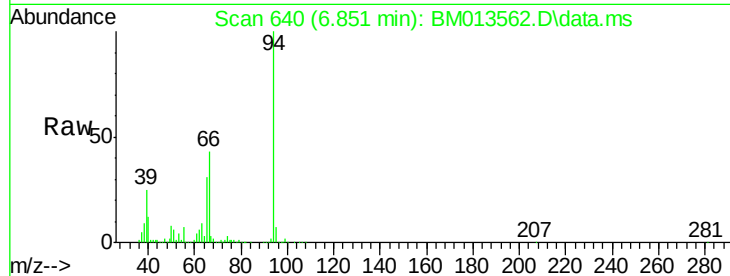
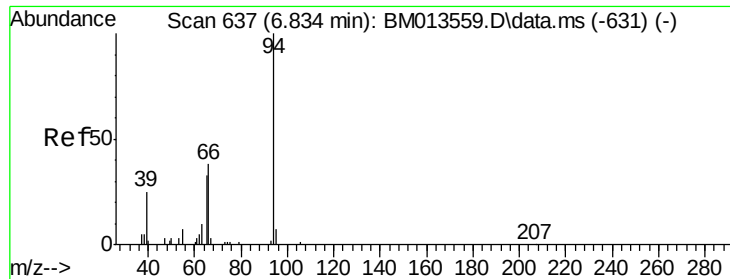
Ion Ratio Lower Upper

77 100

105 94.0 66.1 99.1

106 90.8 67.8 101.6





#6

Phenol

Concen: 149.91 ng/ul

RT: 6.851 min Scan# 64

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

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ClientSampleId :

SSTD16013

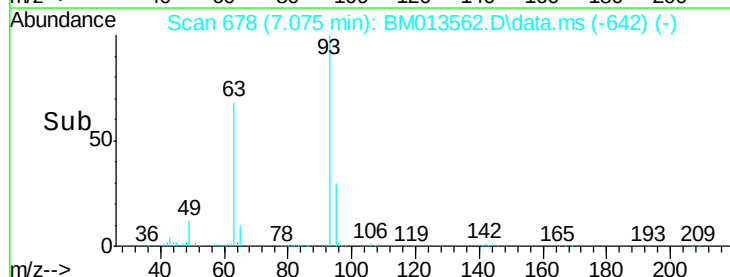
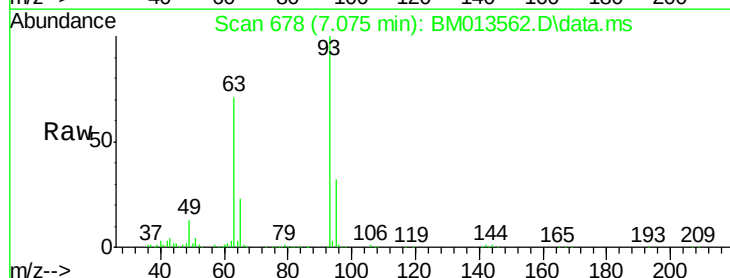
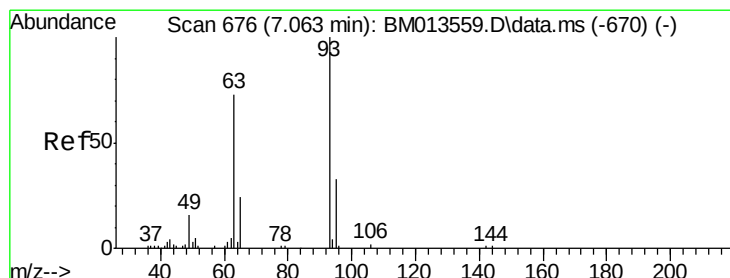
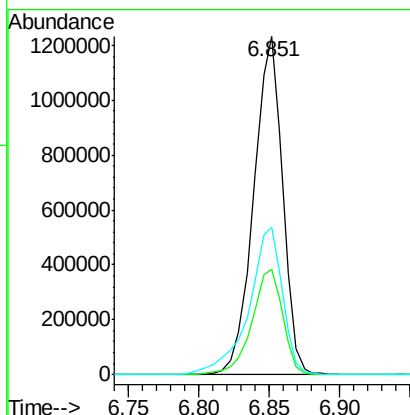
Tot Ion: 94 Resp: 1779019

Ion Ratio Lower Upper

94 100

65 31.0 28.2 42.4

66 43.4 47.2 70.8#



#8

Bis(2-Chloroethyl)ether

Concen: 147.58 ng/ul

RT: 7.075 min Scan# 678

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

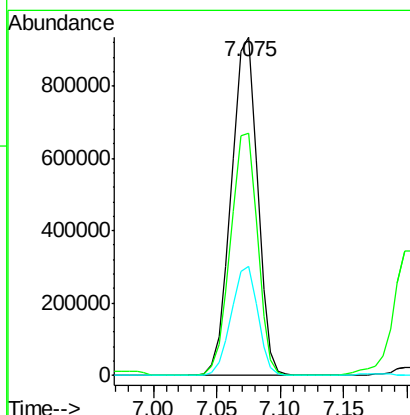
Tgt Ion: 93 Resp: 1339057

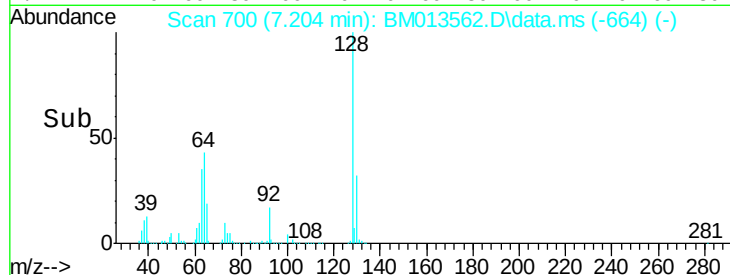
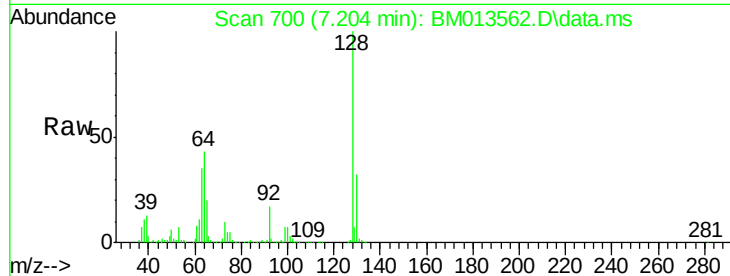
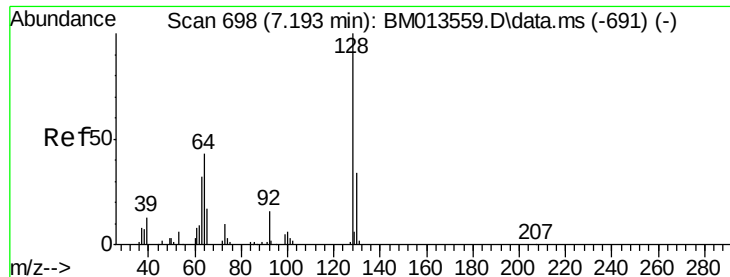
Ion Ratio Lower Upper

93 100

63 71.4 57.3 85.9

95 32.3 26.6 39.8

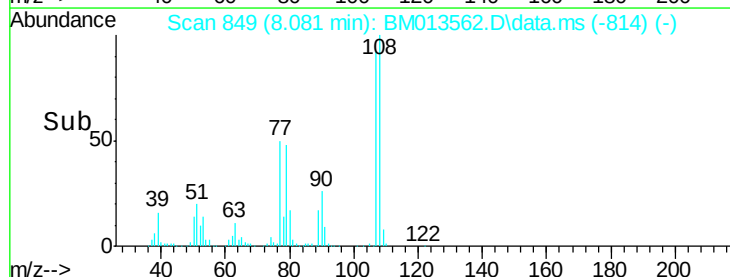
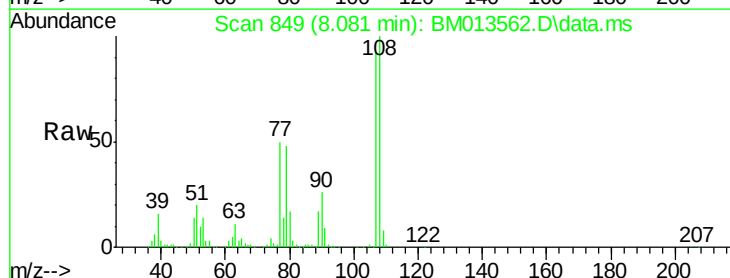
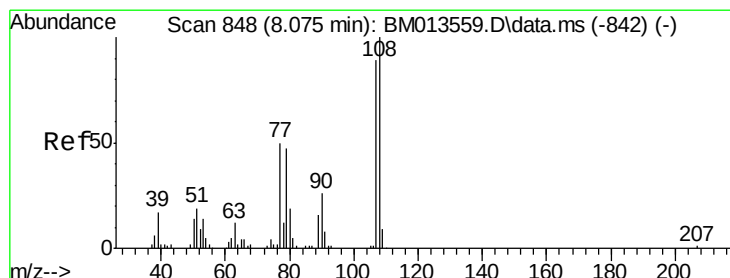
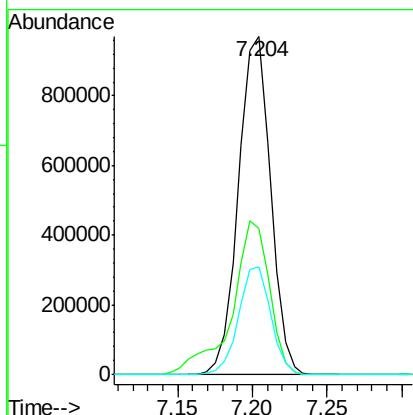




#10
2-Chlorophenol
Concen: 158.00 ng/ul
RT: 7.204 min Scan# 70
Delta R.T. 0.012 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

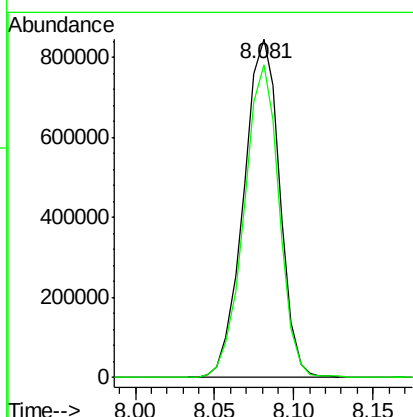
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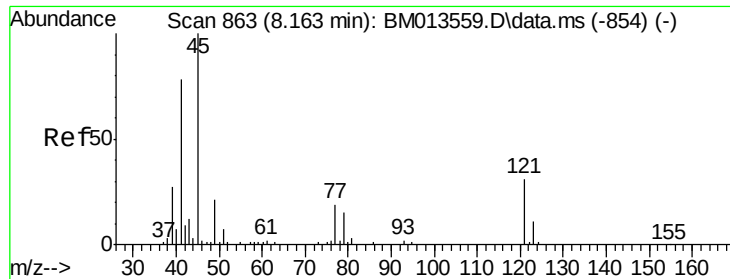
Tot Ion:128 Resp: 1453290
Ion Ratio Lower Upper
128 100
64 43.2 38.0 57.0
130 31.9 24.4 36.6



#11
2-Methylphenol
Concen: 145.54 ng/ul
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion:108 Resp: 1335845
Ion Ratio Lower Upper
108 100
107 92.3 72.6 108.8

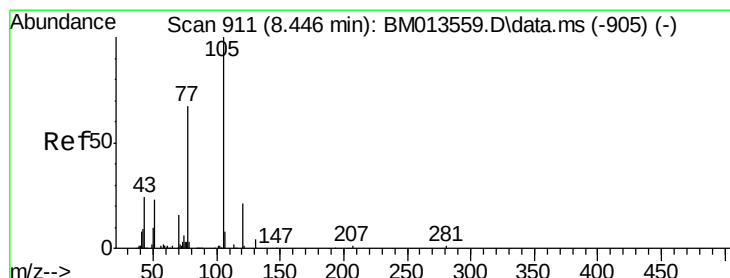
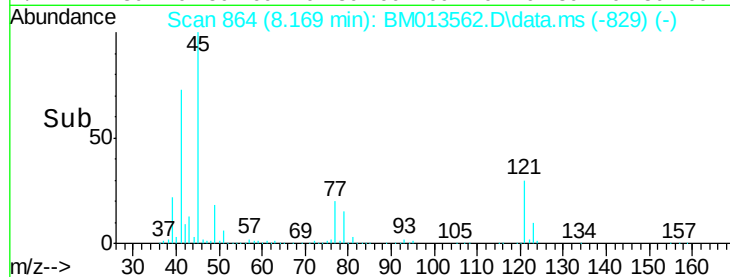
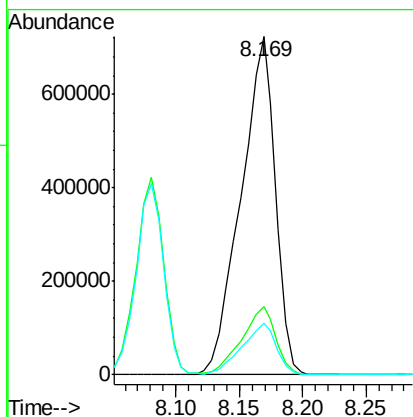
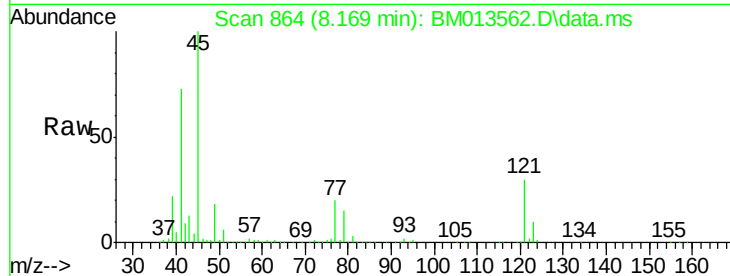




#12
2,2'-oxybis(1-Chloropropane)
Concen: 143.22 ng/ul
RT: 8.169 min Scan# 86
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

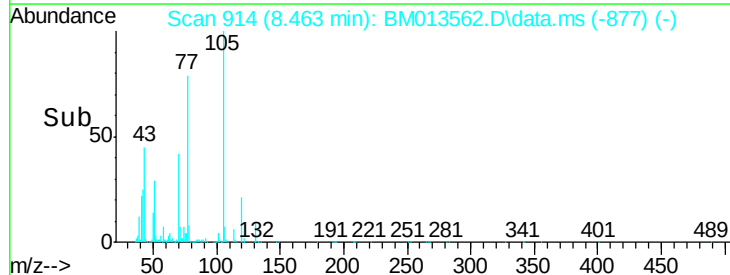
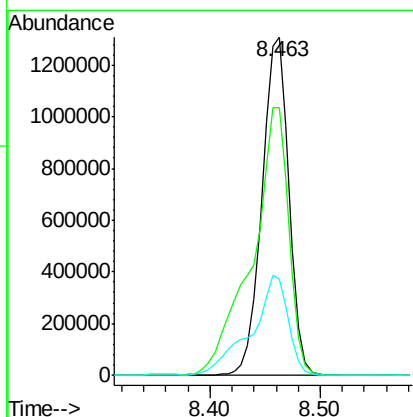
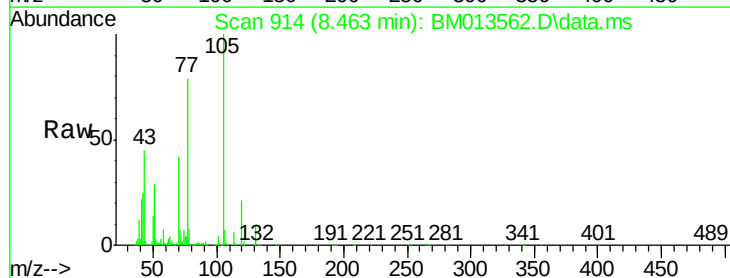
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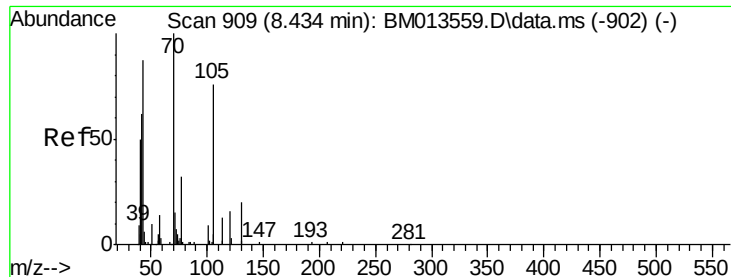
Tot Ion: 45 Resp: 1364440
Ion Ratio Lower Upper
45 100
77 20.1 8.0 12.0#
79 15.2 8.0 12.0#



#14
Acetophenone
Concen: 143.19 ng/ul
RT: 8.463 min Scan# 914
Delta R.T. 0.018 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion: 105 Resp: 2233265
Ion Ratio Lower Upper
105 100
77 79.1 74.2 111.4
51 28.6 23.4 35.2

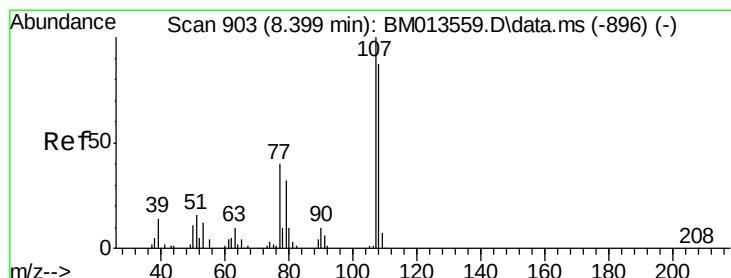
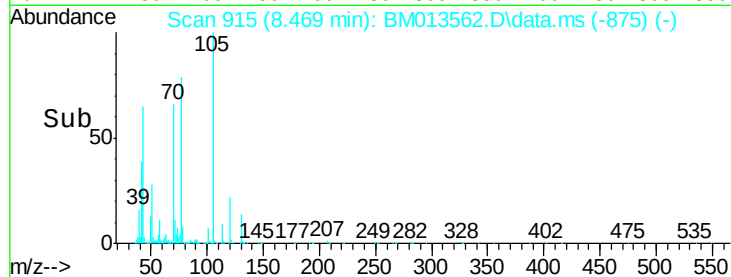
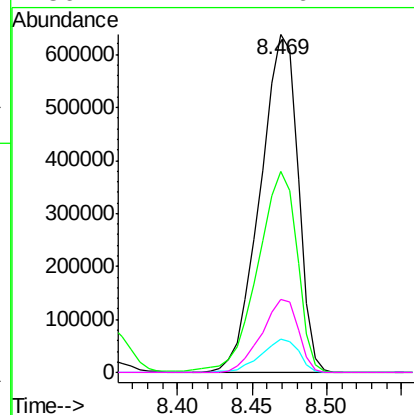
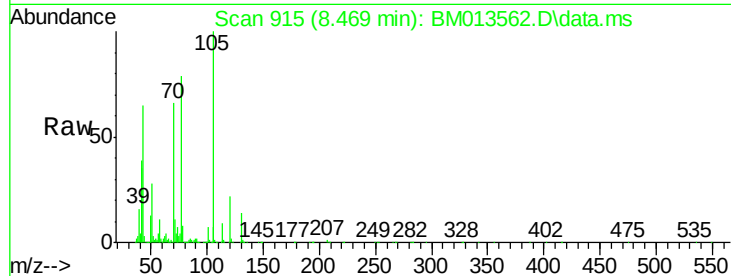




#15
N-Nitroso-di-n-propylamine
Concen: 142.86 ng/ul
RT: 8.469 min Scan# 91
Delta R.T. 0.035 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

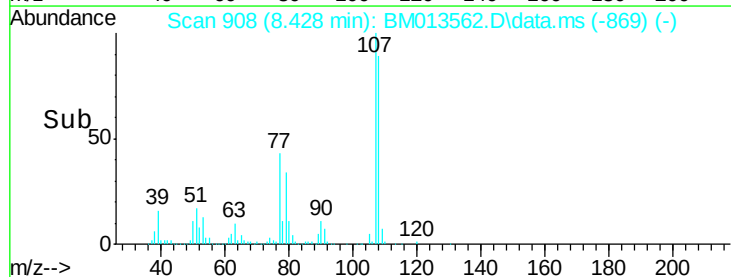
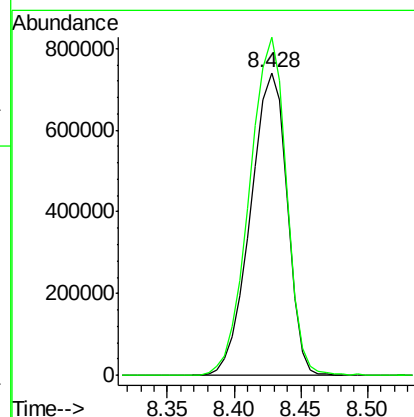
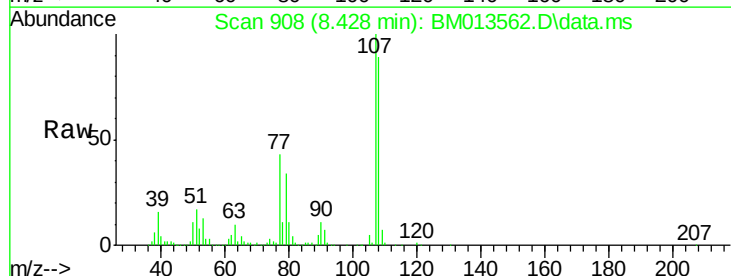
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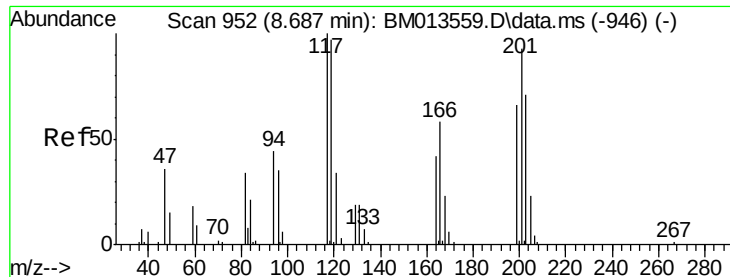
Tot Ion: 70 Resp: 1122289
Ion Ratio Lower Upper
70 100
42 59.4 76.0 114.0#
101 10.0 6.7 10.1
130 21.7 14.6 22.0



#16
4-Methylphenol
Concen: 143.35 ng/ul
RT: 8.428 min Scan# 908
Delta R.T. 0.029 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion: 108 Resp: 1406937
Ion Ratio Lower Upper
108 100
107 111.8 84.9 127.3

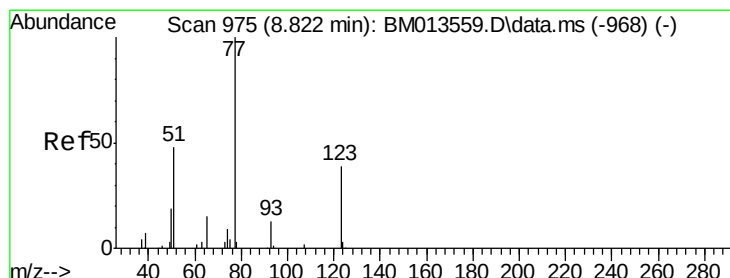
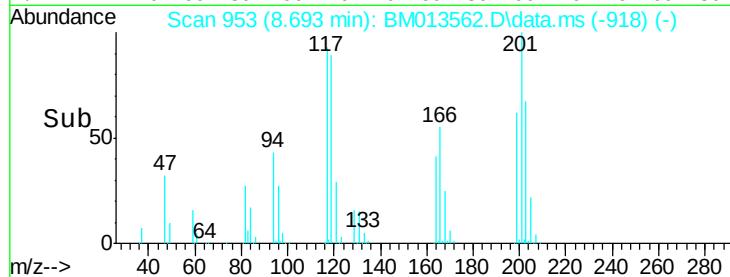
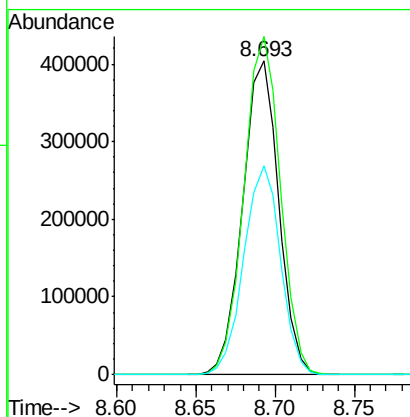
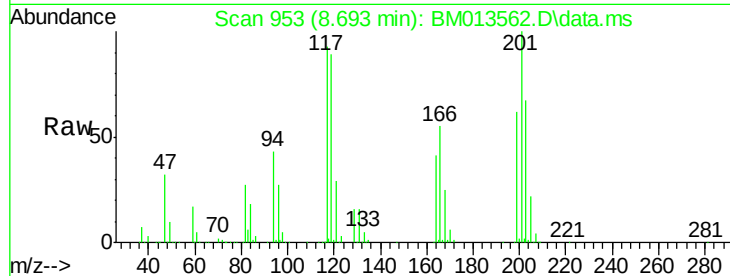




#17
Hexachloroethane
Concen: 159.45 ng/ul
RT: 8.693 min Scan# 95
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

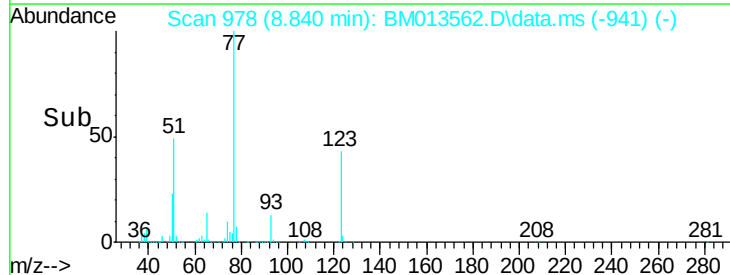
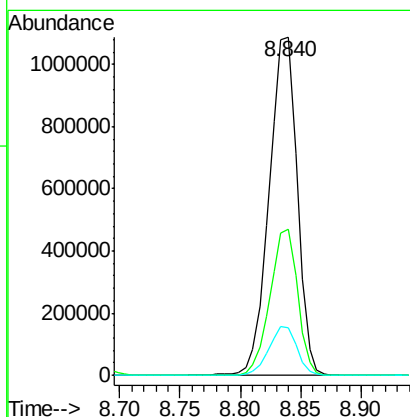
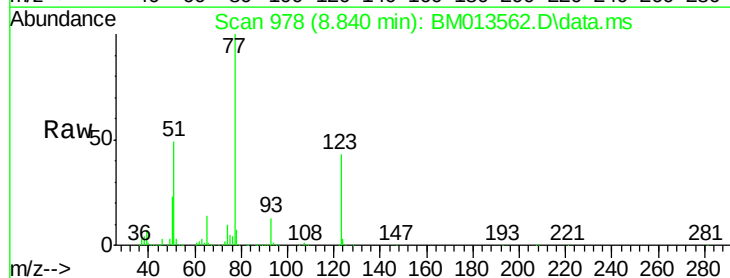
Instrument :
BNA_M
ClientSampleId :
SSTD16013

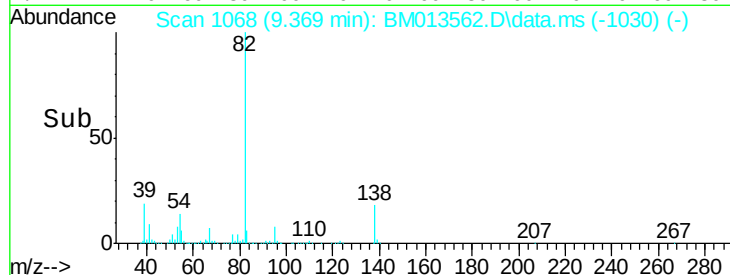
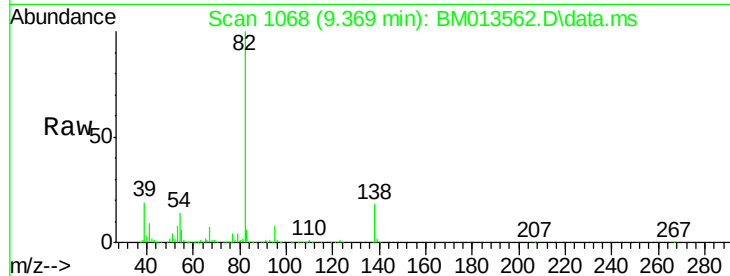
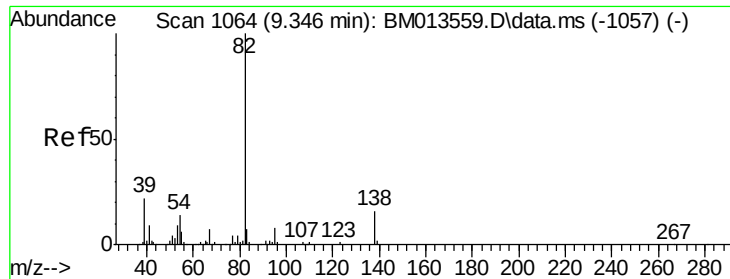
Tot Ion:117 Resp: 638515
Ion Ratio Lower Upper
117 100
201 107.7 111.6 167.4#
199 66.3 67.8 101.6#



#20
Nitrobenzene
Concen: 161.24 ng/ul
RT: 8.840 min Scan# 978
Delta R.T. 0.018 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion: 77 Resp: 1745116
Ion Ratio Lower Upper
77 100
123 43.4 31.0 46.6
65 14.2 12.2 18.2





#21

Isophorone

Concen: 151.31 ng/ul

RT: 9.369 min Scan# 1068

Delta R.T. 0.023 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

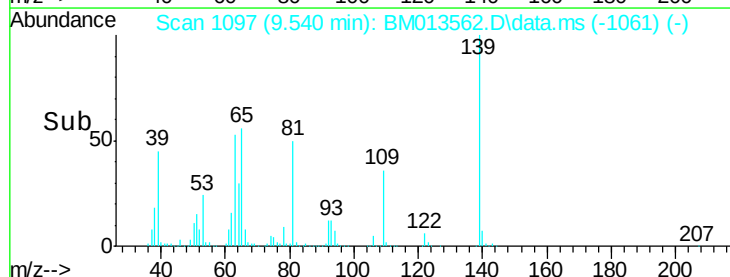
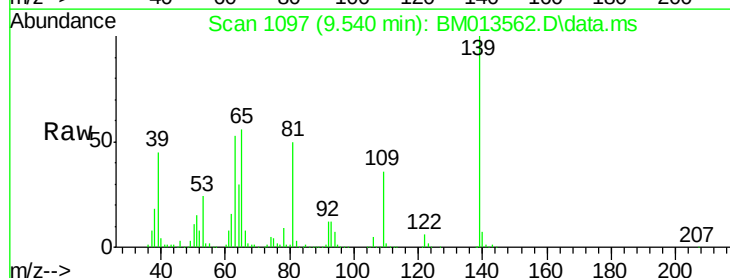
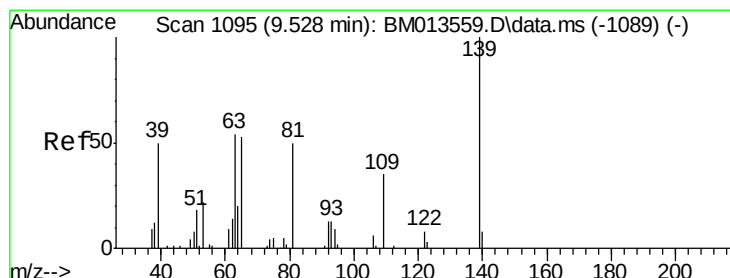
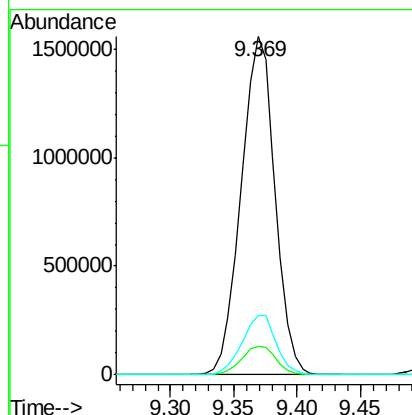
Tot Ion: 82 Resp: 2881746

Ion Ratio Lower Upper

82 100

95 8.3 7.8 11.8

138 17.6 11.9 17.9



#23

2-Nitrophenol

Concen: 170.42 ng/ul

RT: 9.540 min Scan# 1097

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

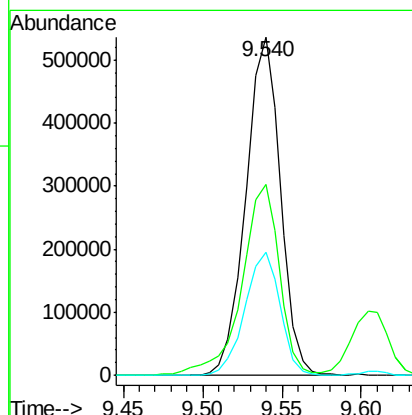
Tgt Ion: 139 Resp: 812459

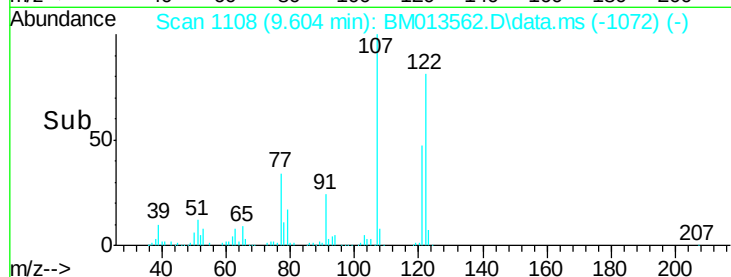
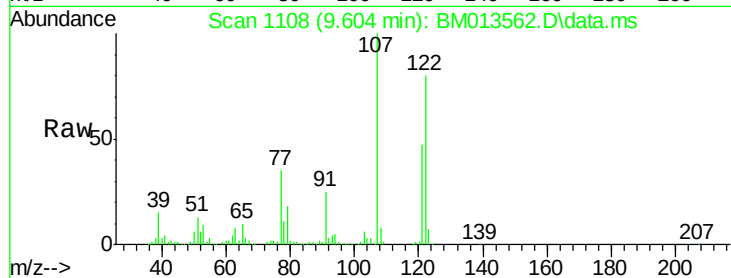
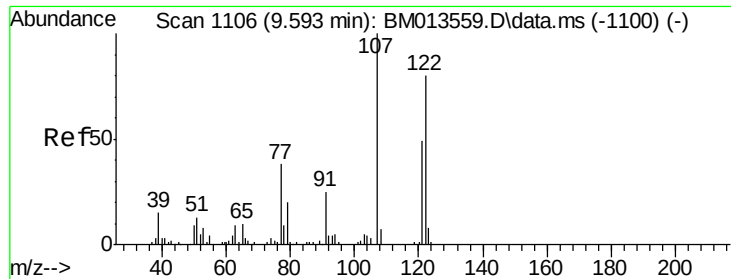
Ion Ratio Lower Upper

139 100

65 56.5 55.4 83.0

109 36.3 42.2 63.2#

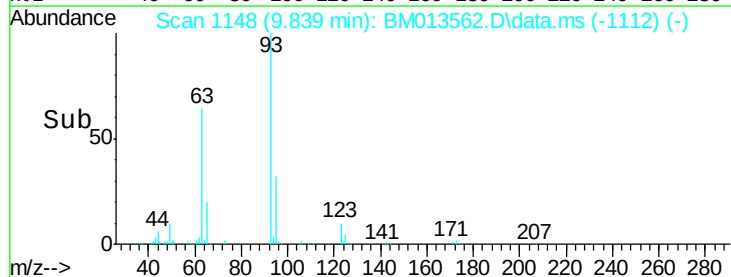
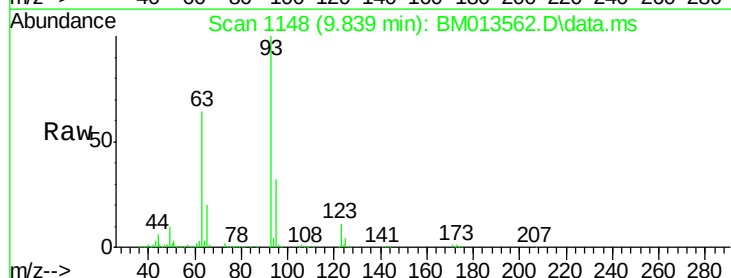
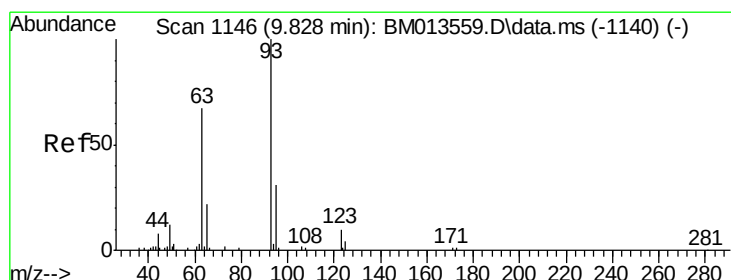
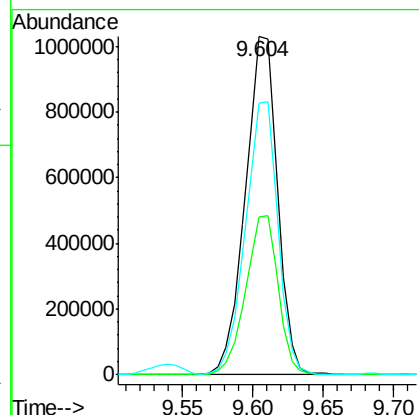




#24
2,4-Dimethylphenol
Concen: 158.84 ng/ul
RT: 9.604 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

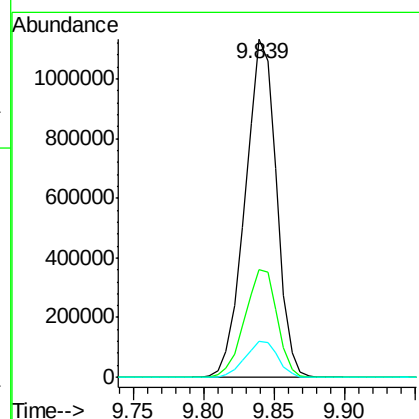
Instrument :
BNA_M
ClientSampleId :
SSTD16013

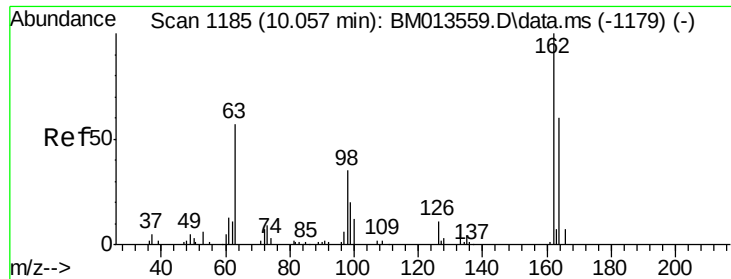
Tot Ion	Ratio	Lower	Upper
107	100		
121	46.5	31.9	47.9
122	80.5	57.8	86.6



#25
Bis(2-Chloroethoxy)methane
Concen: 157.69 ng/ul
RT: 9.839 min Scan# 1148
Delta R.T. 0.012 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.7	28.5	42.7
123	10.8	8.9	13.3

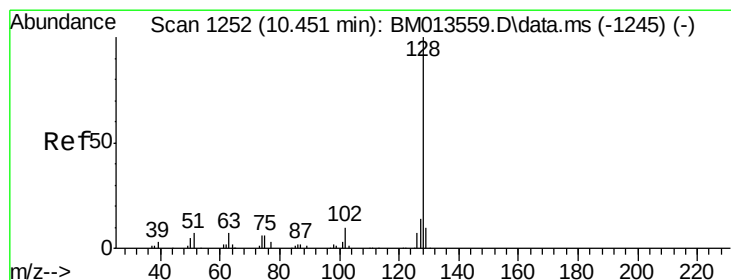
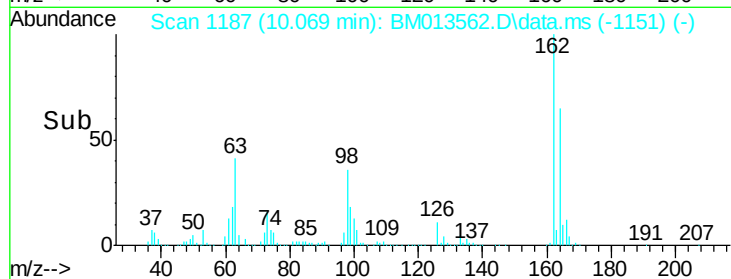
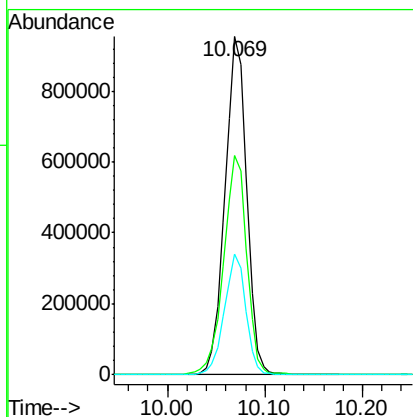
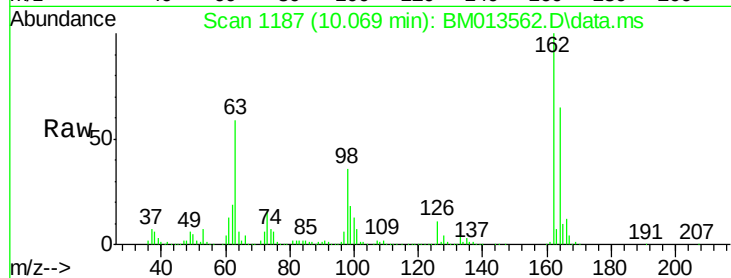




#27
 2,4-Dichlorophenol
 Concen: 168.24 ng/ul
 RT: 10.069 min Scan# 1185
 Delta R.T. 0.012 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

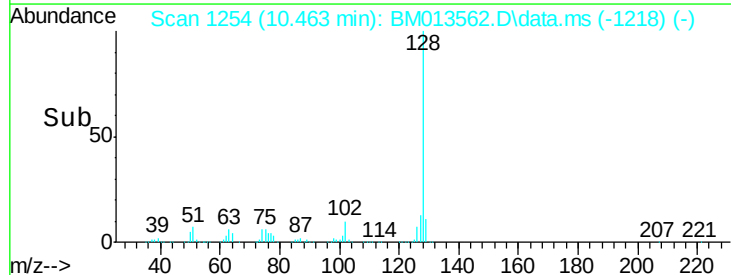
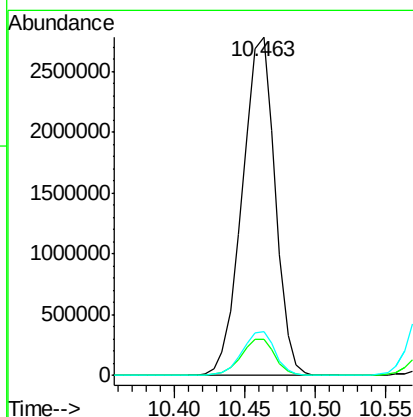
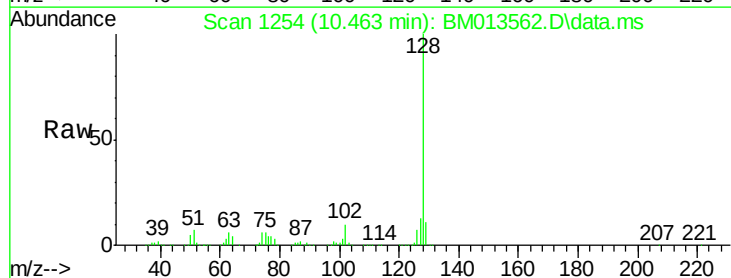
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

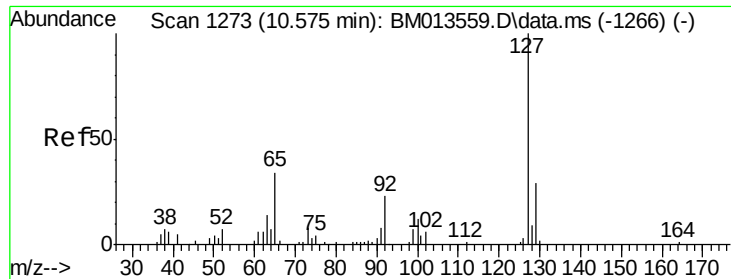
Tot Ion:162 Resp: 1472569
 Ion Ratio Lower Upper
 162 100
 164 64.8 47.8 71.6
 98 35.5 23.0 34.4#



#28
 Naphthalene
 Concen: 162.90 ng/ul
 RT: 10.463 min Scan# 1254
 Delta R.T. 0.012 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion:128 Resp: 4540699
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.8 13.2
 127 12.8 10.6 16.0

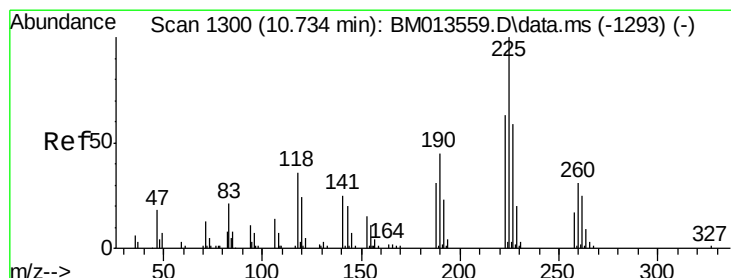
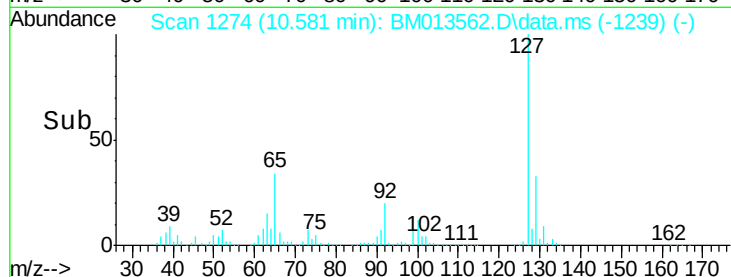
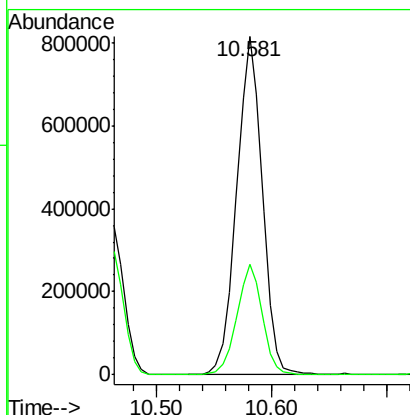
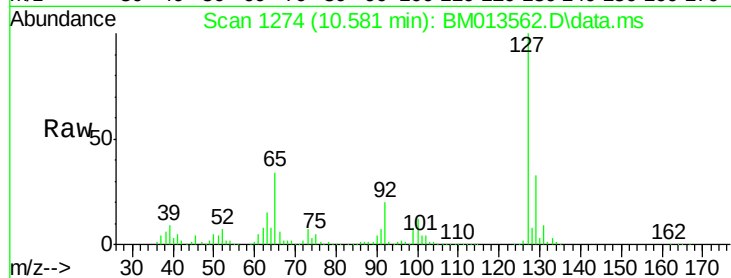




#30
4-Chloroaniline
Concen: 148.04 ng/ul
RT: 10.581 min Scan# 1273
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

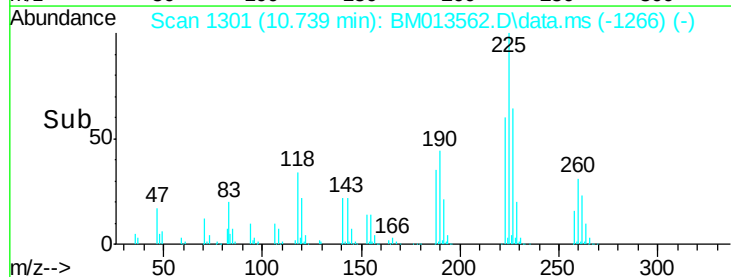
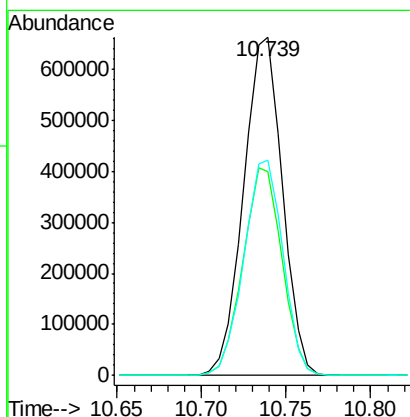
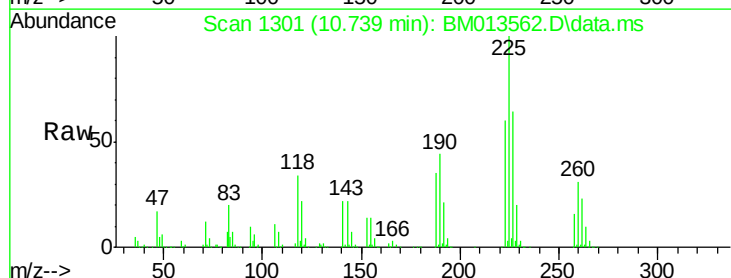
Instrument :
BNA_M
ClientSampleId :
SSTD16013

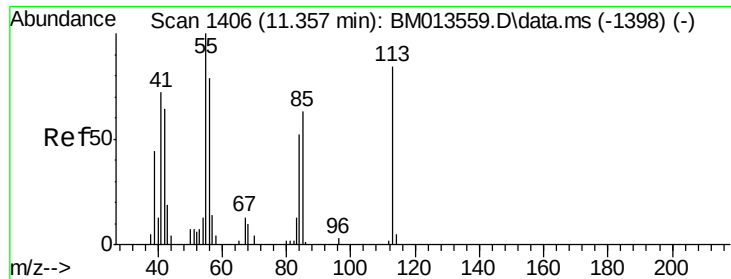
Tot Ion:127 Resp: 1248262
Ion Ratio Lower Upper
127 100
129 32.6 28.4 42.6



#31
Hexachlorobutadiene
Concen: 167.81 ng/ul
RT: 10.739 min Scan# 1301
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion:225 Resp: 1063922
Ion Ratio Lower Upper
225 100
223 60.4 49.4 74.2
227 63.5 45.4 68.2





#32

Caprolactam

Concen: 84.24 ng/ul

RT: 11.410 min Scan# 14

Delta R.T. 0.053 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

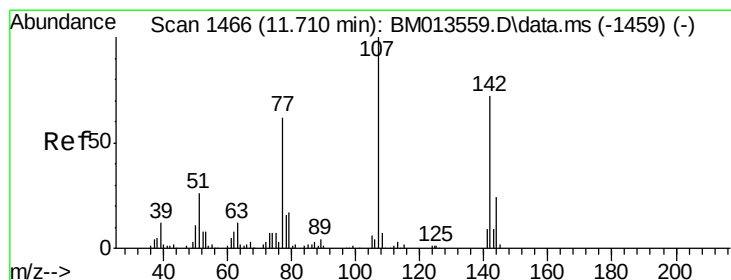
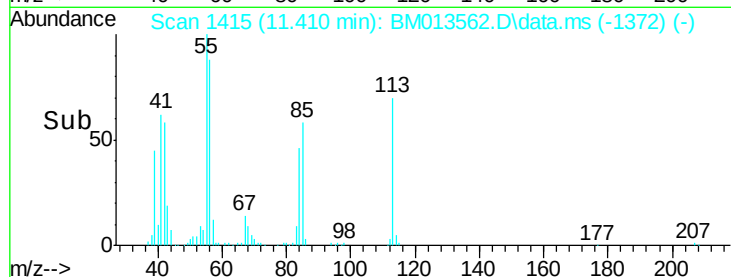
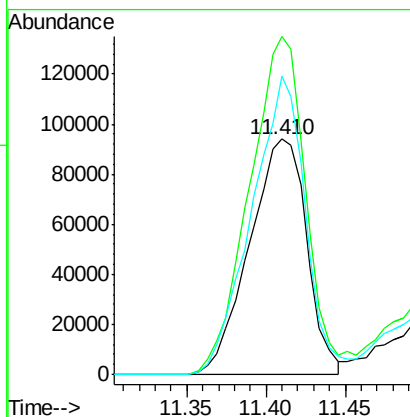
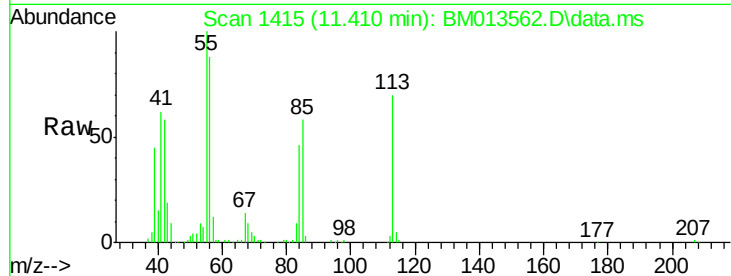
Tot Ion:113 Resp: 235664

Ion Ratio Lower Upper

113 100

55 143.5 208.0 312.0#

56 126.4 160.0 240.0#



#33

4-Chloro-3-methylphenol

Concen: 150.12 ng/ul

RT: 11.728 min Scan# 1469

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

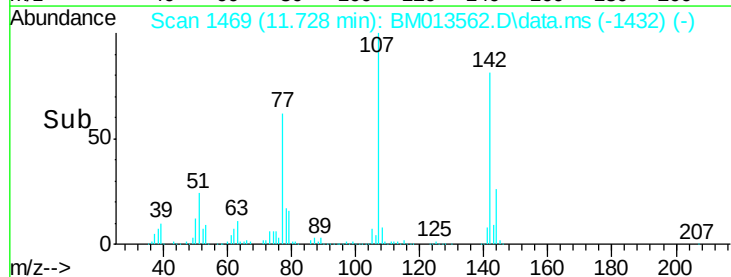
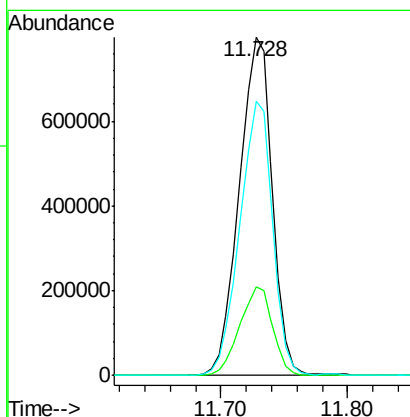
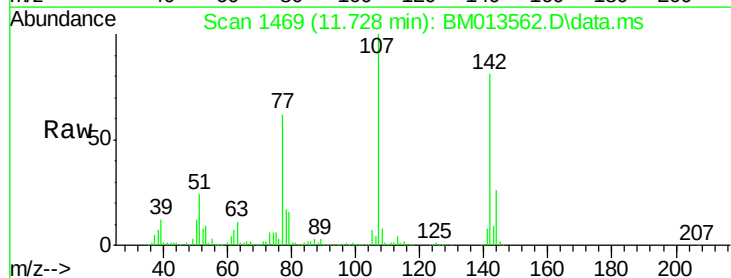
Tgt Ion:107 Resp: 1441428

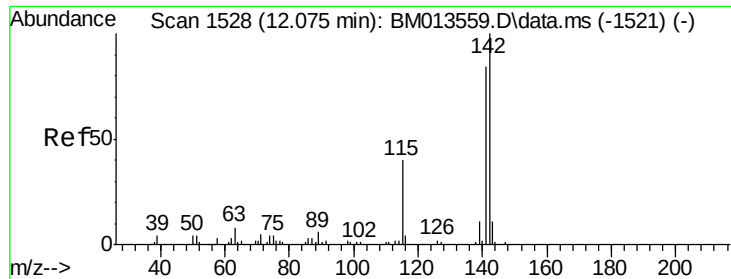
Ion Ratio Lower Upper

107 100

144 26.0 20.4 30.6

142 81.1 60.5 90.7

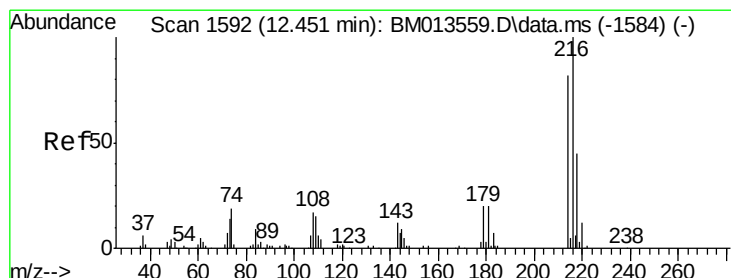
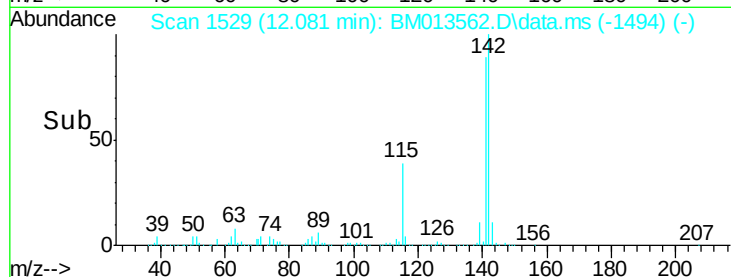
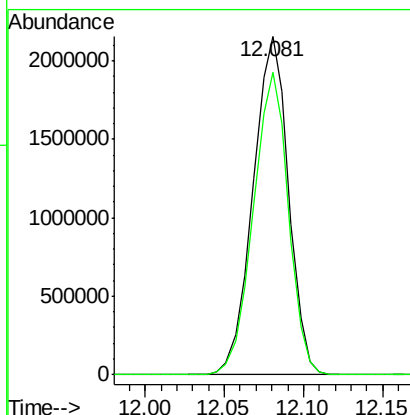
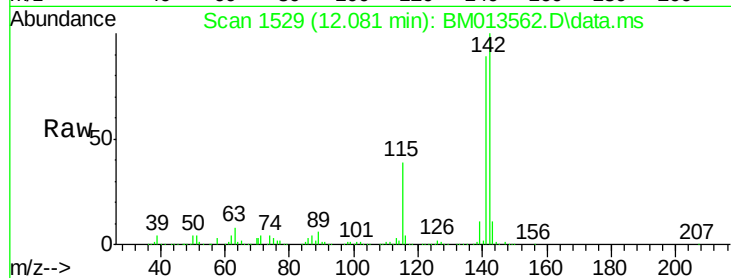




#34
 2-Methylnaphthalene
 Concen: 160.03 ng/ul
 RT: 12.081 min Scan# 1528
 Delta R.T. 0.006 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

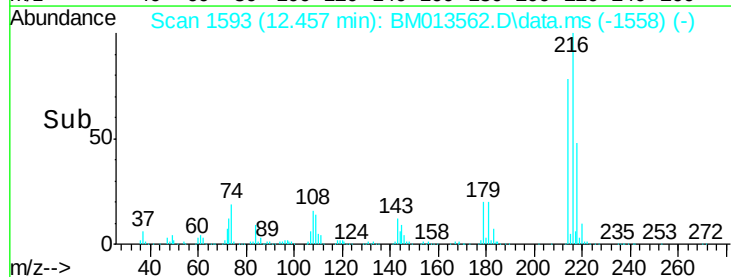
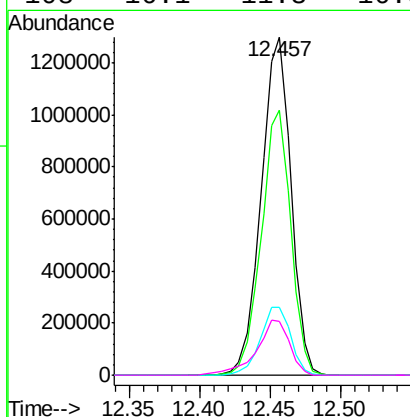
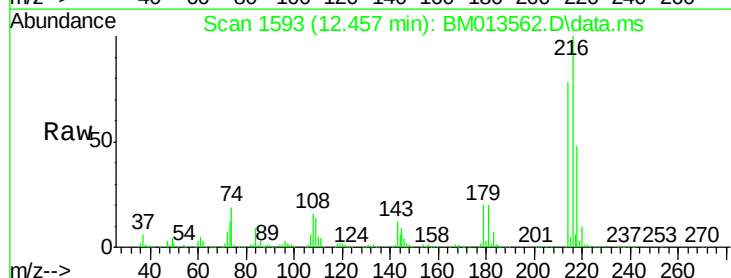
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

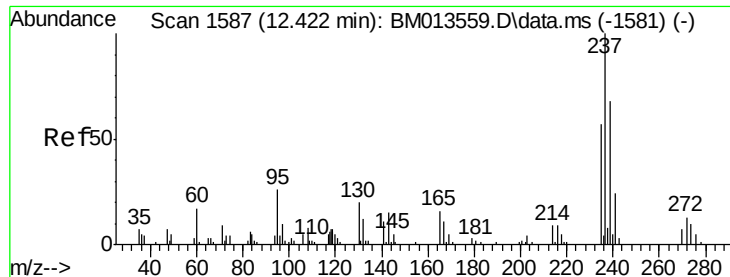
Tot Ion:142 Resp: 3353190
 Ion Ratio Lower Upper
 142 100
 141 89.5 74.1 111.1



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 165.62 ng/ul
 RT: 12.457 min Scan# 1593
 Delta R.T. 0.006 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion:216 Resp: 1934821
 Ion Ratio Lower Upper
 216 100
 214 78.3 60.6 90.8
 179 20.3 17.5 26.3
 108 16.1 11.3 16.9





#37

Hexachlorocyclopentadiene

Concen: 132.21 ng/ul

RT: 12.428 min Scan# 1587

Delta R.T. 0.006 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

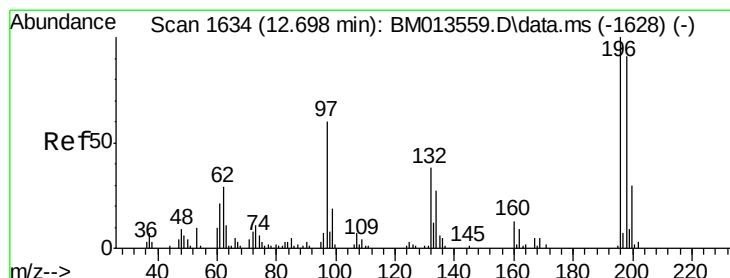
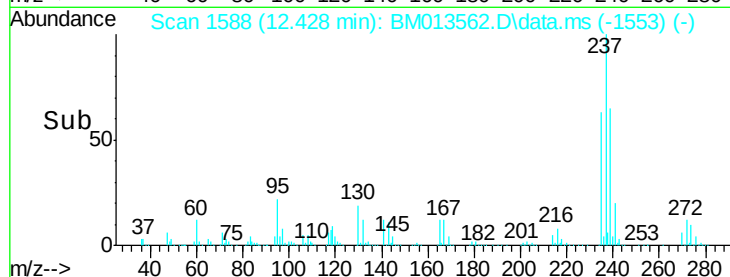
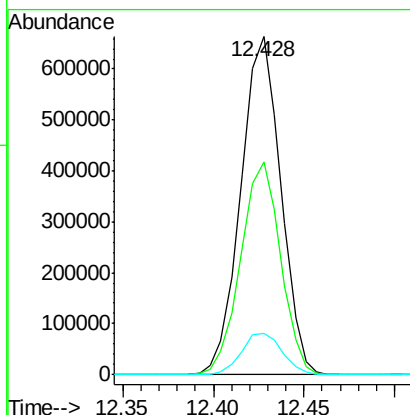
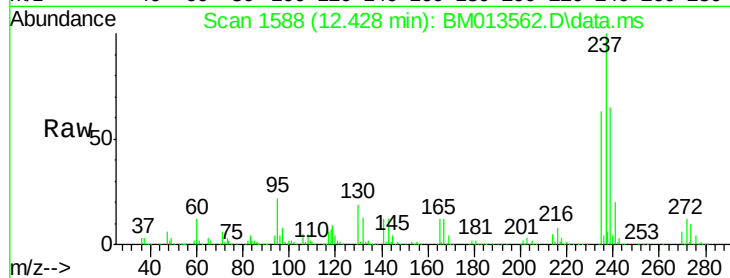
Tot Ion:237 Resp: 1016561

Ion Ratio Lower Upper

237 100

235 62.9 50.2 75.4

272 12.2 11.0 16.6



#38

2,4,6-Trichlorophenol

Concen: 172.11 ng/ul

RT: 12.710 min Scan# 1636

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

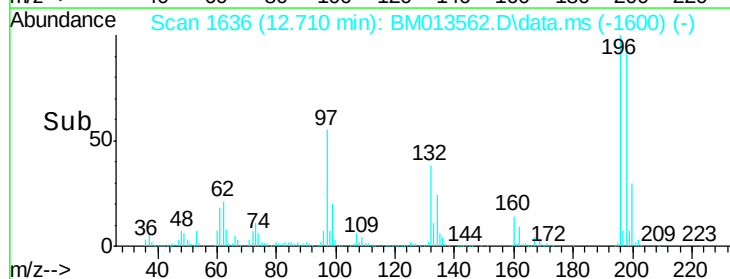
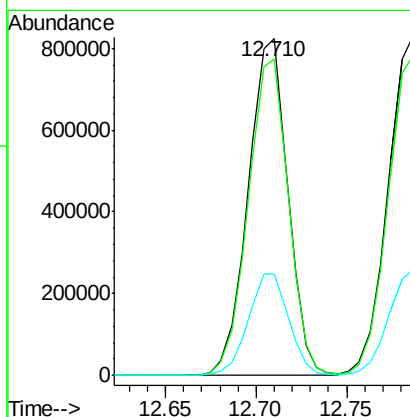
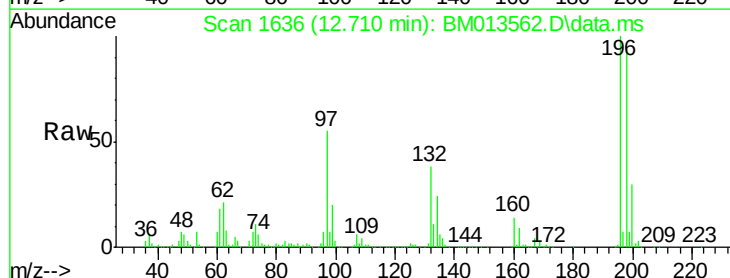
Tgt Ion:196 Resp: 1253489

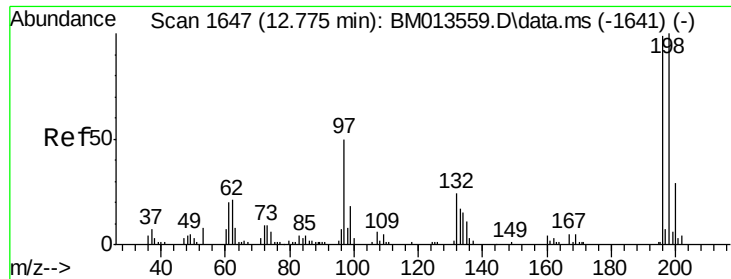
Ion Ratio Lower Upper

196 100

198 93.8 74.1 111.1

200 29.9 25.2 37.8

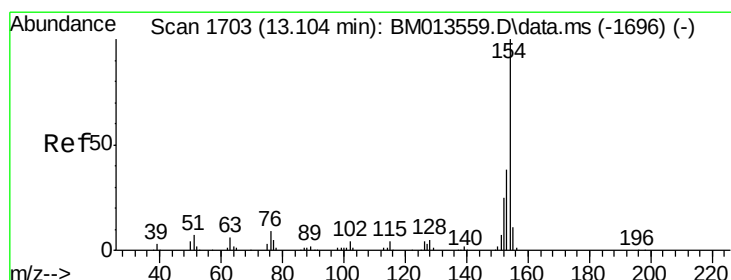
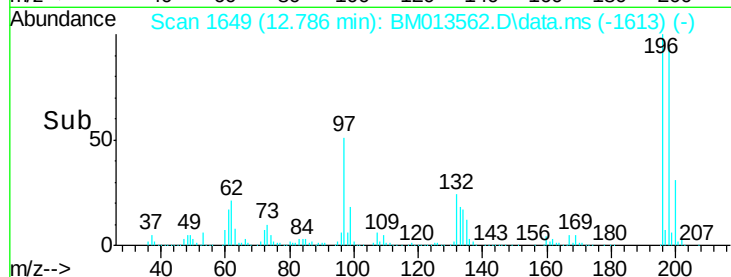
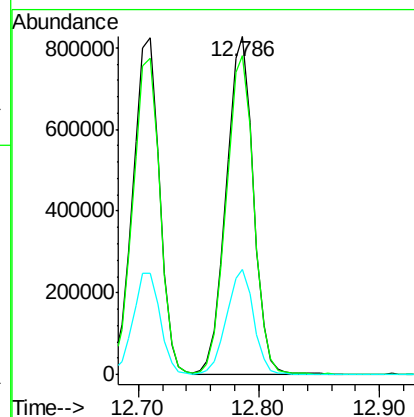
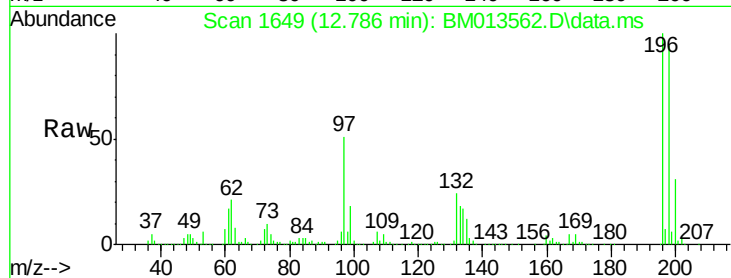




#39
 2,4,5-Trichlorophenol
 Concen: 166.46 ng/ul
 RT: 12.786 min Scan# 16
 Delta R.T. 0.012 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

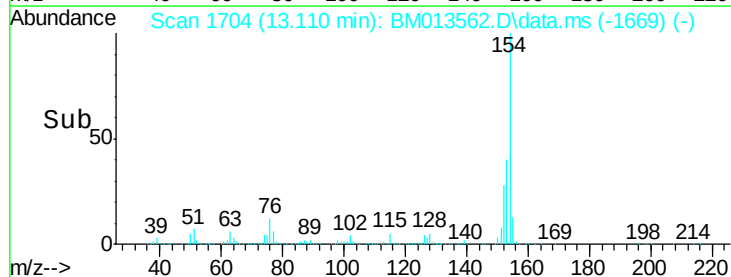
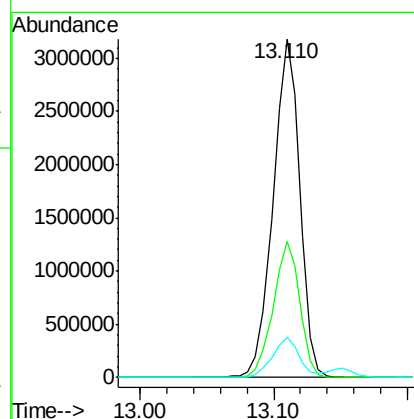
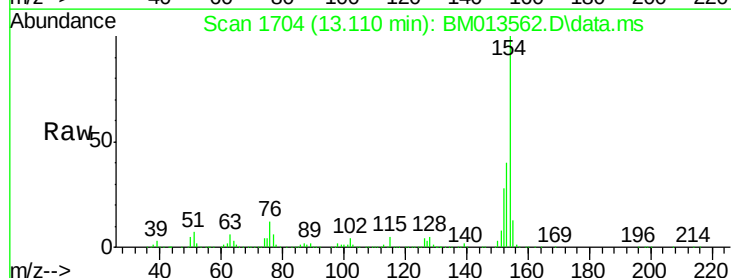
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

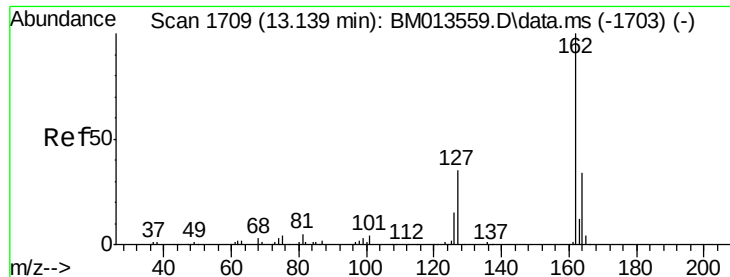
Tot Ion:196 Resp: 1287760
 Ion Ratio Lower Upper
 196 100
 198 94.3 75.6 113.4
 200 31.1 25.5 38.3



#40
 1,1'-Biphenyl
 Concen: 161.79 ng/ul
 RT: 13.110 min Scan# 1704
 Delta R.T. 0.006 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion:154 Resp: 4426786
 Ion Ratio Lower Upper
 154 100
 153 40.0 32.6 48.8
 76 11.8 8.5 12.7

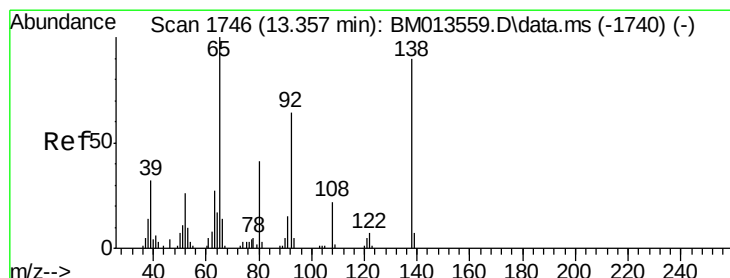
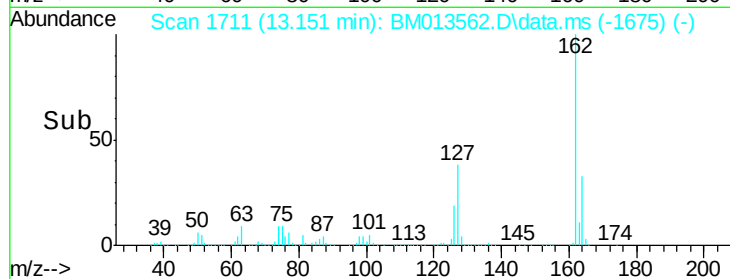
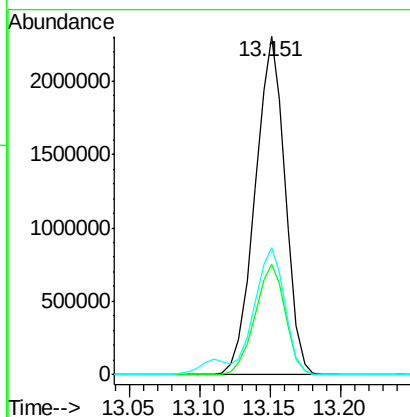
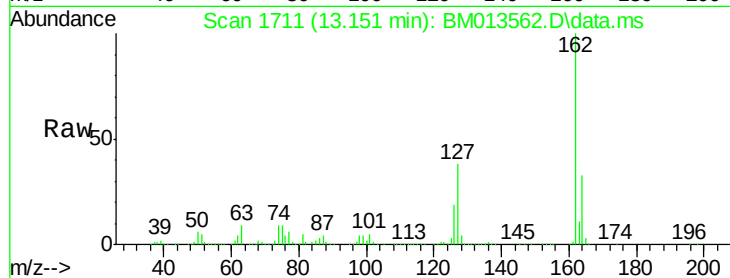




#41
 2-Chloronaphthalene
 Concen: 160.33 ng/ul
 RT: 13.151 min Scan# 1709
 Delta R.T. 0.012 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

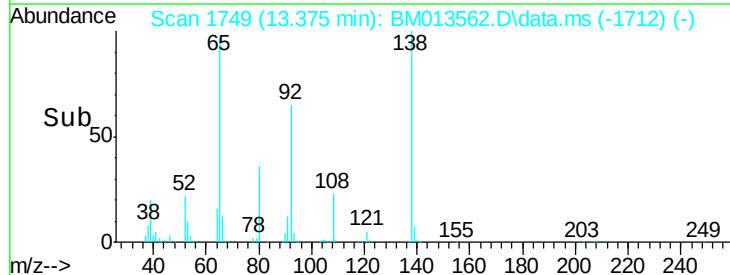
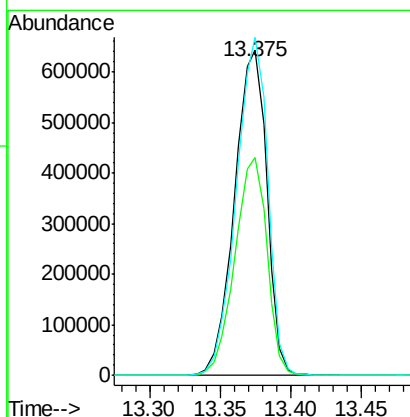
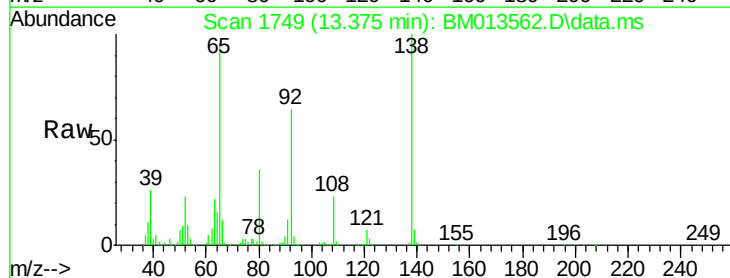
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

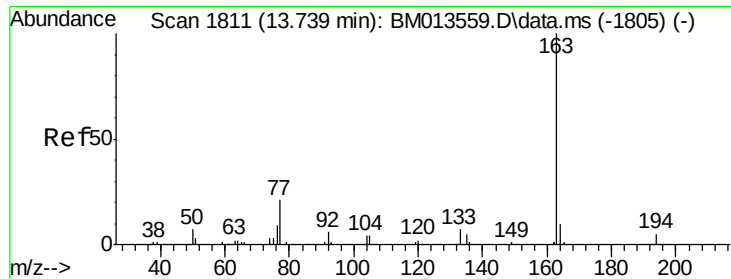
Tot Ion:162 Resp: 3441720
 Ion Ratio Lower Upper
 162 100
 164 32.8 25.9 38.9
 127 37.7 29.4 44.2



#42
 2-Nitroaniline
 Concen: 163.00 ng/ul
 RT: 13.375 min Scan# 1749
 Delta R.T. 0.018 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion: 65 Resp: 1025110
 Ion Ratio Lower Upper
 65 100
 92 66.9 51.8 77.6
 138 103.9 74.2 111.4





#44

Dimethylphthalate

Concen: 151.88 ng/ul

RT: 13.757 min Scan# 1811

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampled :

SSTD16013

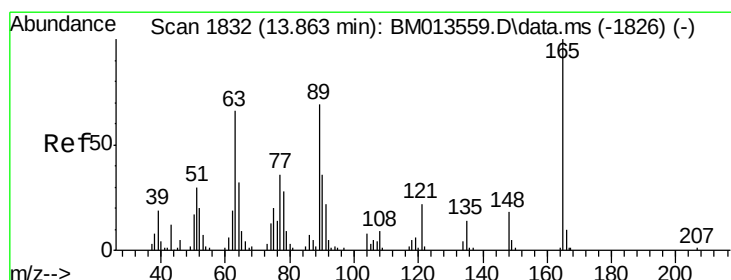
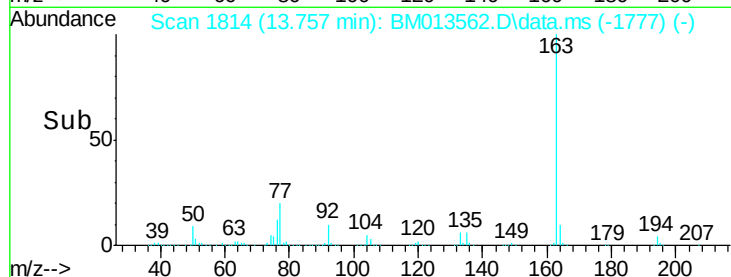
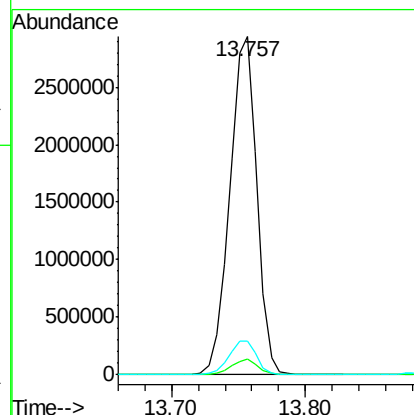
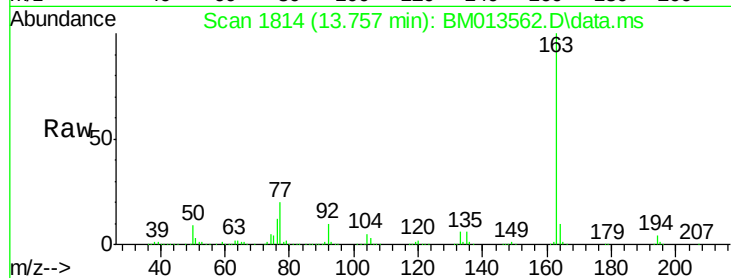
Tot Ion:163 Resp: 4185124

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.9 8.2 12.4



#45

2,6-Dinitrotoluene

Concen: 163.03 ng/ul

RT: 13.880 min Scan# 1835

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

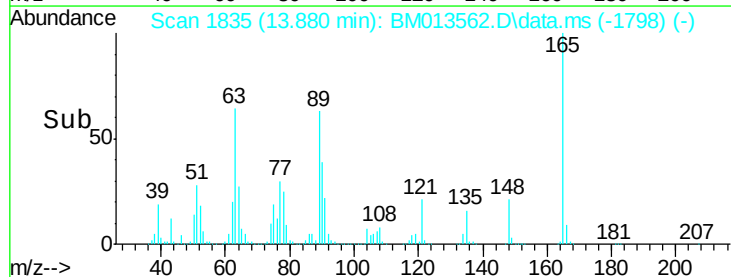
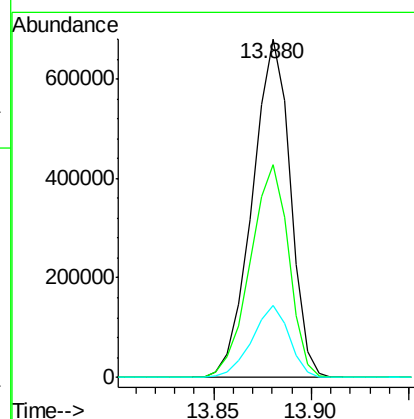
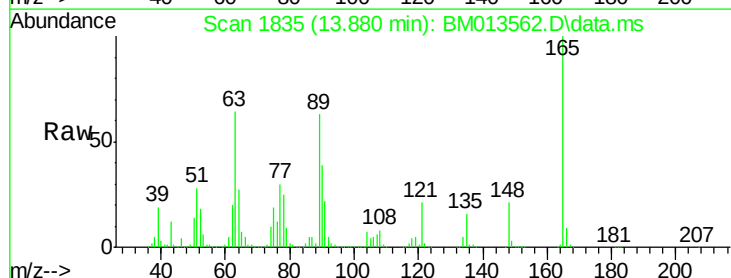
Tgt Ion:165 Resp: 916220

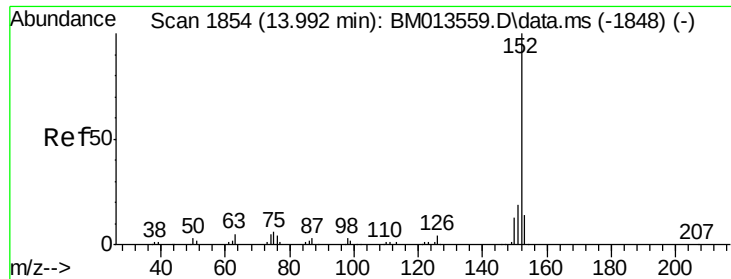
Ion Ratio Lower Upper

165 100

89 63.1 52.6 79.0

121 21.4 14.6 22.0





#47

Acenaphthylene

Concen: 153.94 ng/ul

RT: 14.004 min Scan# 18

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

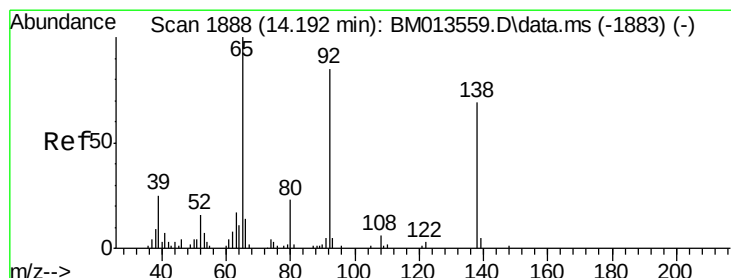
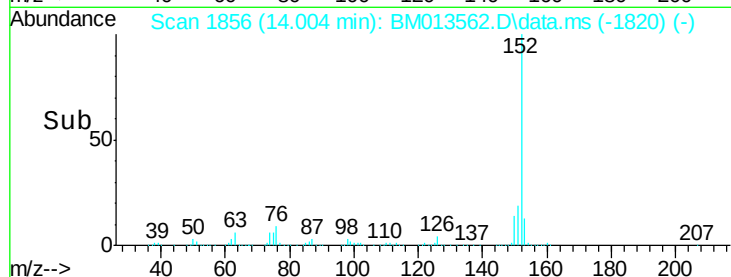
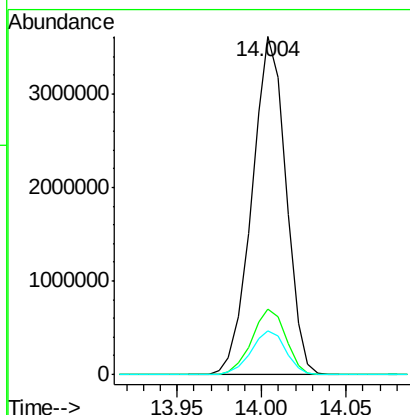
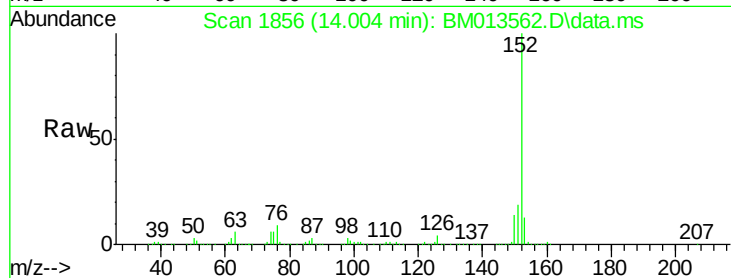
BNA_M

ClientSampleId :

SSTD16013

Tot Ion:152 Resp: 5064547

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	13.0	10.2	15.4



#48

3-Nitroaniline

Concen: 133.53 ng/ul

RT: 14.210 min Scan# 1891

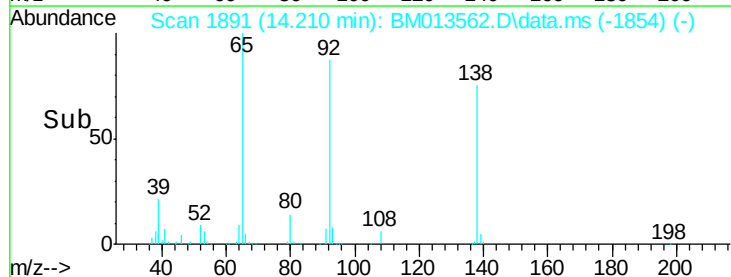
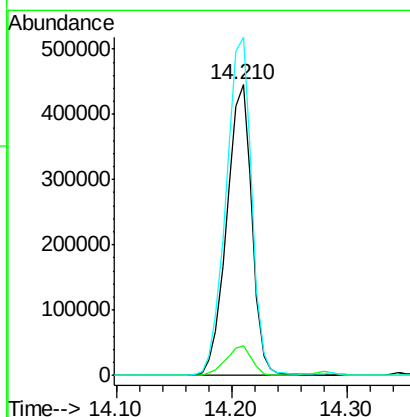
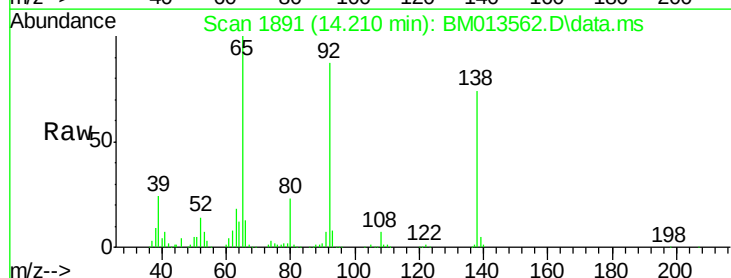
Delta R.T. 0.018 min

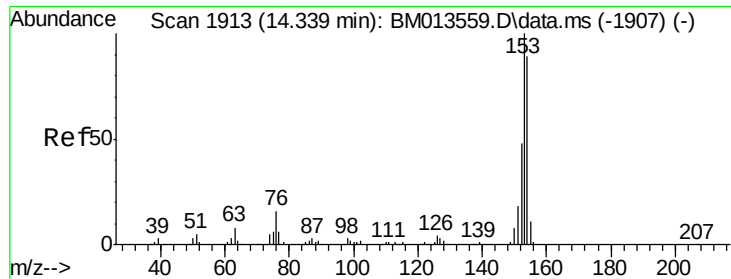
Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Tgt Ion:138 Resp: 670737

Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.9	14.9
92	116.5	105.0	157.4





#49

Acenaphthene

Concen: 156.54 ng/ul

RT: 14.345 min Scan# 1913

Delta R.T. 0.006 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

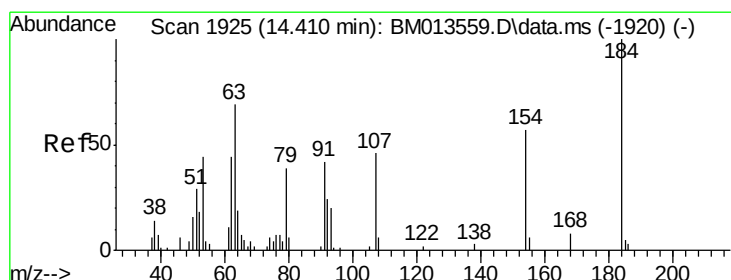
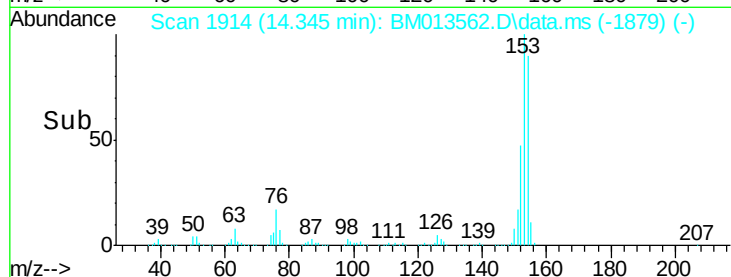
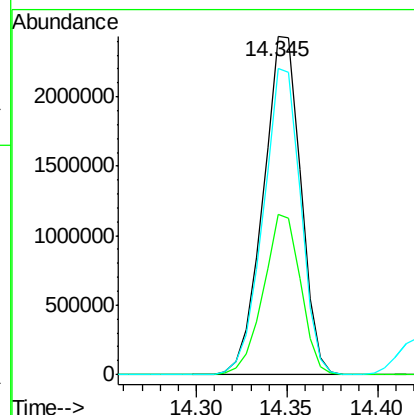
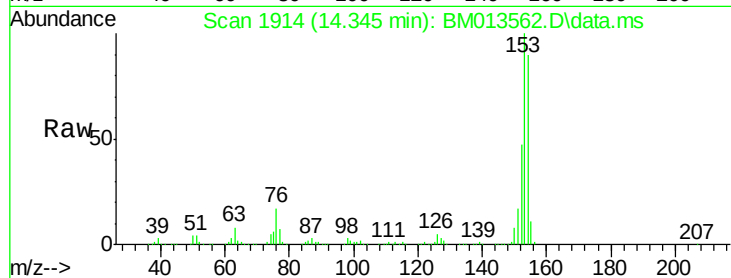
Tot Ion:153 Resp: 3508415

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

154 90.4 70.4 105.6



#50

2,4-Dinitrophenol

Concen: 188.31 ng/ul

RT: 14.422 min Scan# 1927

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

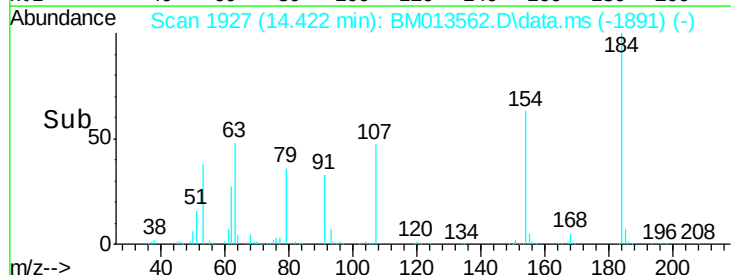
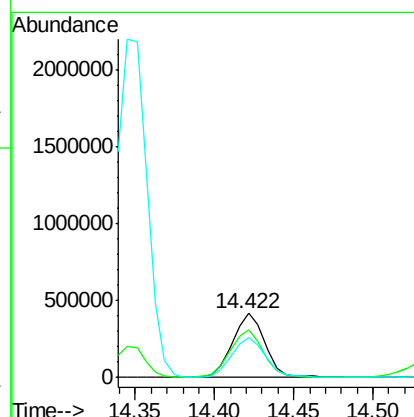
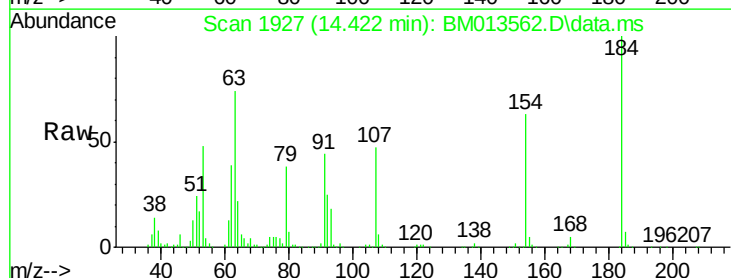
Tgt Ion:184 Resp: 585633

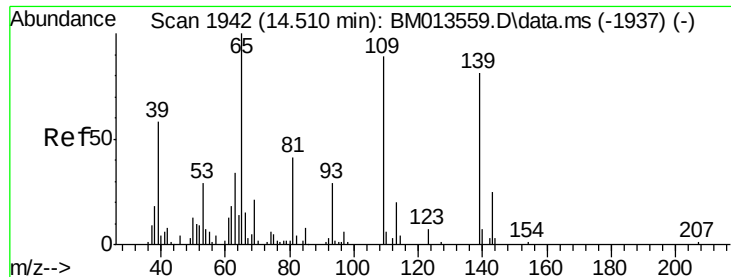
Ion Ratio Lower Upper

184 100

63 74.0 50.1 75.1

154 62.8 54.5 81.7





#52

4-Nitrophenol

Concen: 146.98 ng/ul

RT: 14.545 min Scan# 19

Delta R.T. 0.035 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

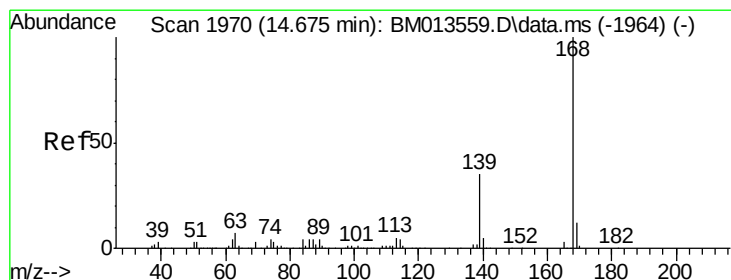
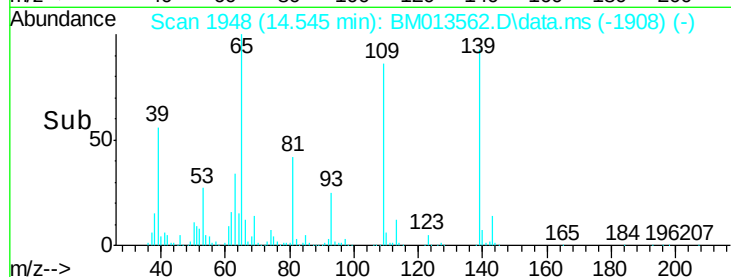
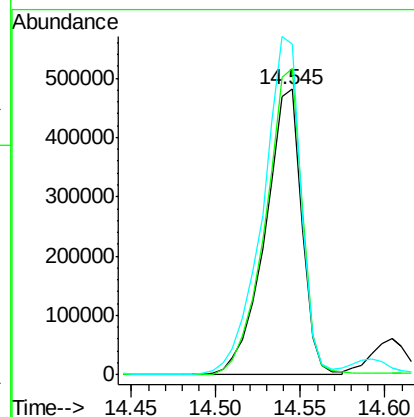
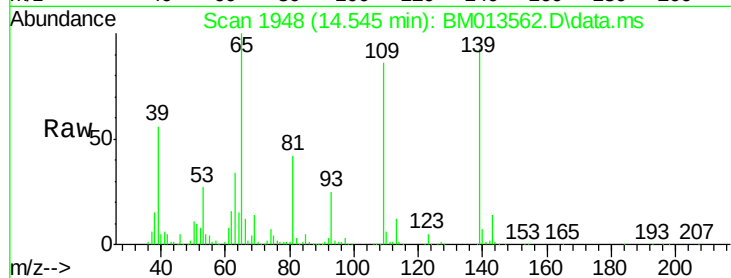
Tot Ion:109 Resp: 721727

Ion Ratio Lower Upper

109 100

139 107.3 80.0 120.0

65 115.8 120.0 180.0#



#53

Dibenzofuran

Concen: 157.88 ng/ul

RT: 14.686 min Scan# 1972

Delta R.T. 0.012 min

Lab File: BM013562.D

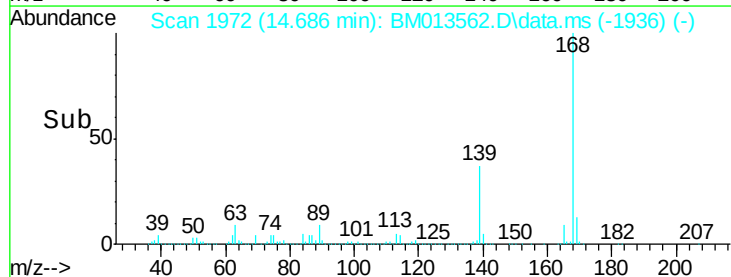
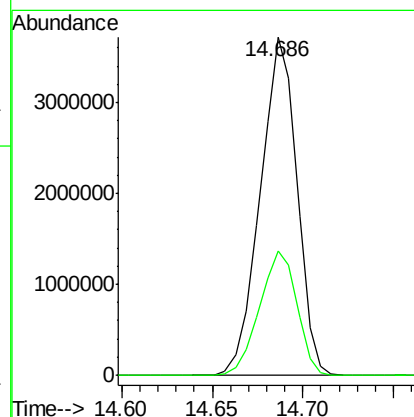
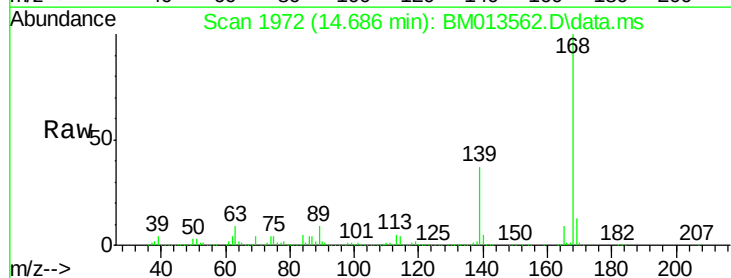
Acq: 10 Jan 2018 12:12

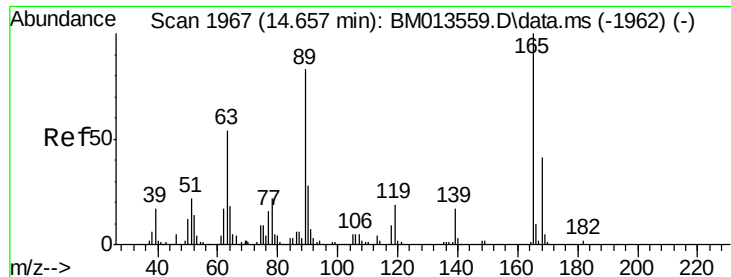
Tgt Ion:168 Resp: 5223625

Ion Ratio Lower Upper

168 100

139 36.8 30.8 46.2

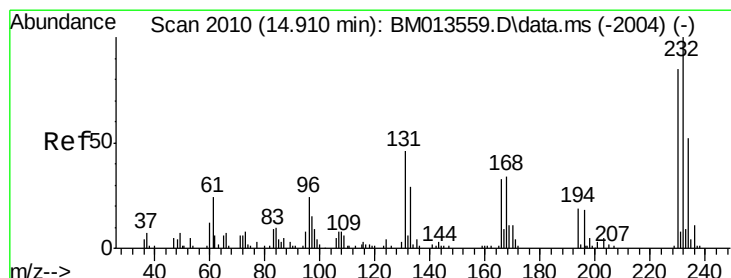
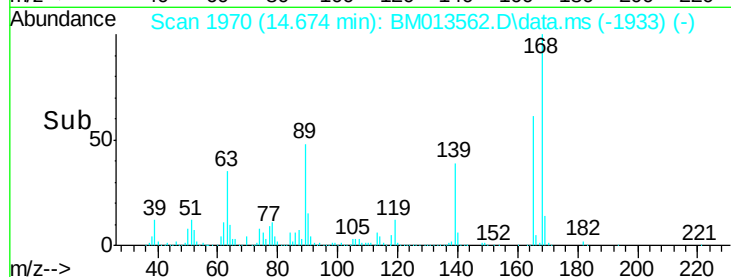
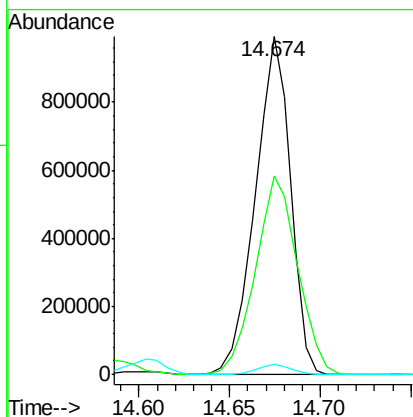
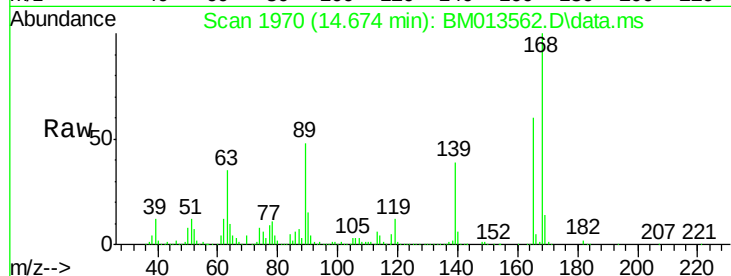




#54
 2,4-Dinitrotoluene
 Concen: 163.40 ng/ul
 RT: 14.674 min Scan# 19
 Delta R.T. 0.018 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

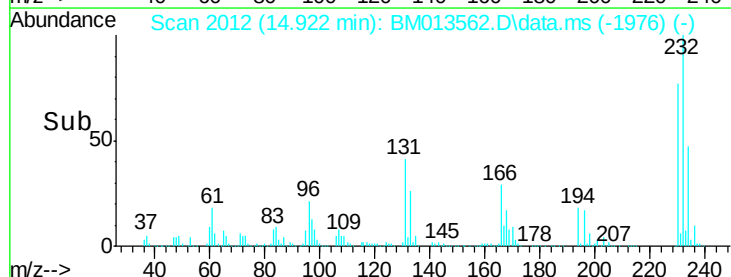
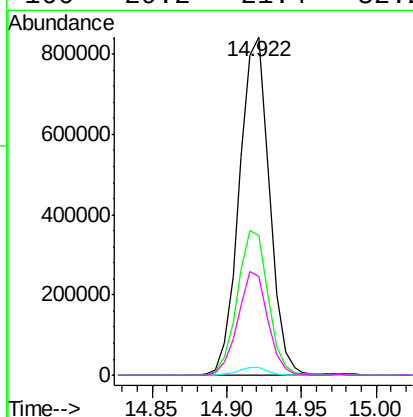
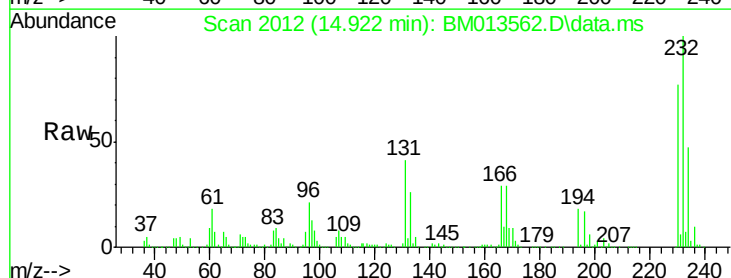
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

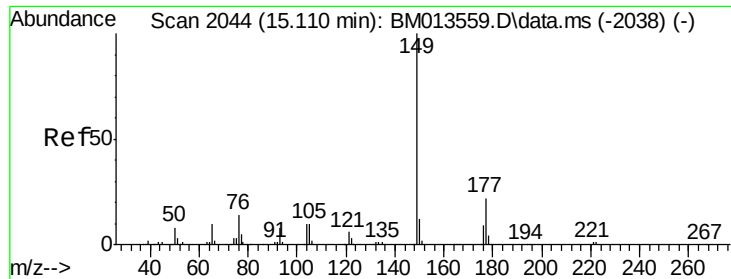
Tot Ion:165 Resp: 1335786
 Ion Ratio Lower Upper
 165 100
 63 58.6 45.8 68.8
 182 3.0 2.6 4.0



#55
 2,3,4,6-Tetrachlorophenol
 Concen: 166.40 ng/ul
 RT: 14.922 min Scan# 2012
 Delta R.T. 0.012 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion:232 Resp: 1180326
 Ion Ratio Lower Upper
 232 100
 131 41.5 29.0 43.4
 130 2.4 2.0 3.0
 166 29.2 21.4 32.2





#56

Diethylphthalate

Concen: 156.45 ng/ul

RT: 15.127 min Scan# 2044

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

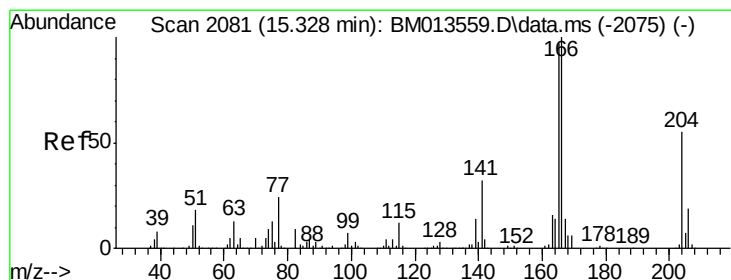
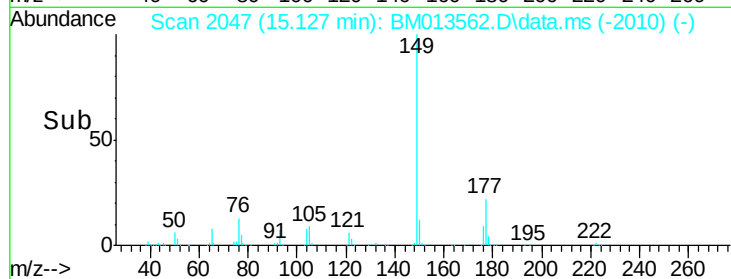
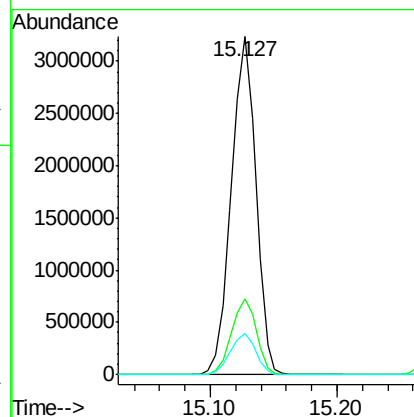
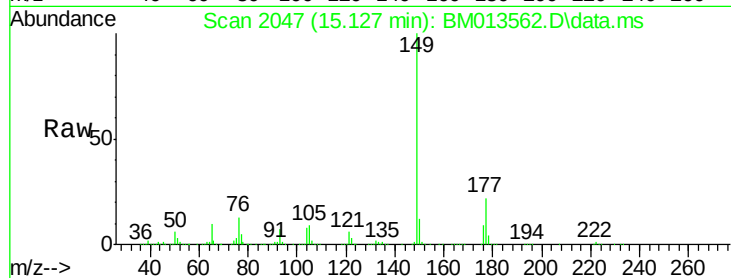
Tot Ion:149 Resp: 4323699

Ion Ratio Lower Upper

149 100

177 22.2 20.5 30.7

150 12.3 10.6 15.8



#58

Fluorene

Concen: 160.92 ng/ul

RT: 15.339 min Scan# 2083

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

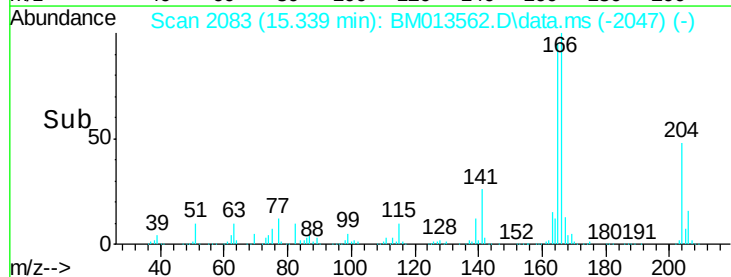
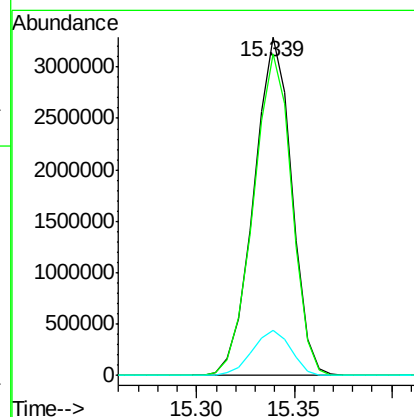
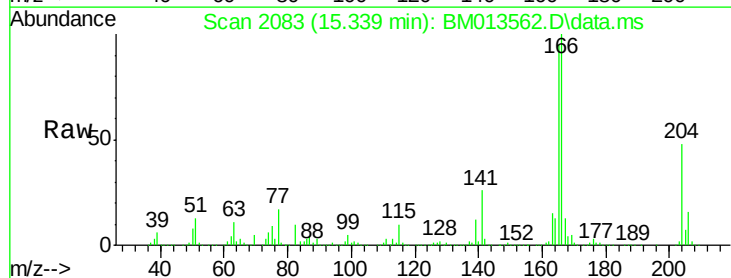
Tgt Ion:166 Resp: 4404490

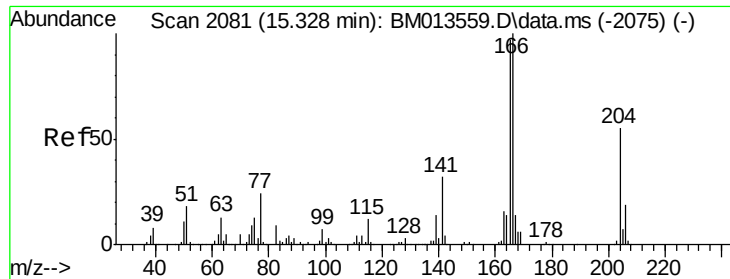
Ion Ratio Lower Upper

166 100

165 94.9 77.9 116.9

167 13.3 10.6 16.0



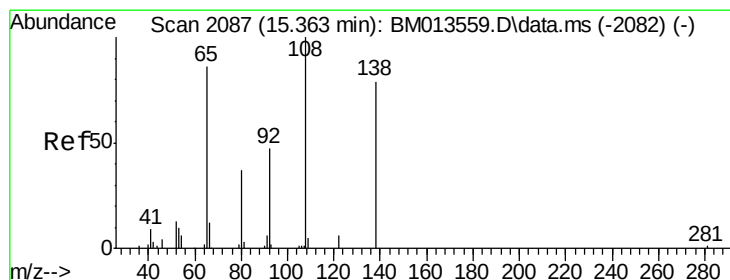
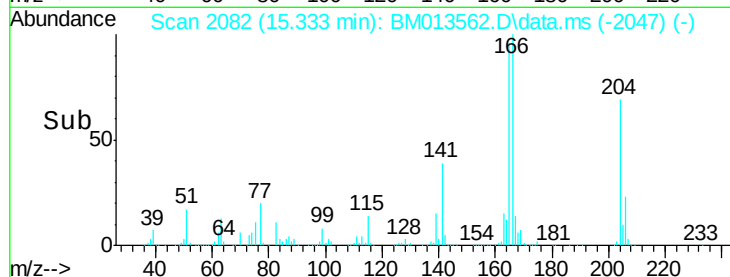
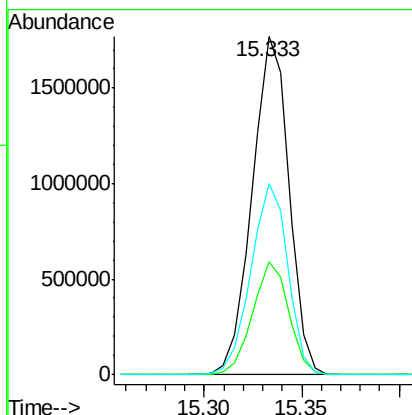
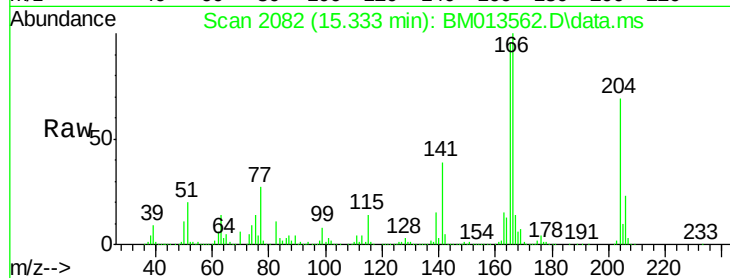


#59
 4-Chlorophenyl-phenylether
 Concen: 155.29 ng/ul
 RT: 15.333 min Scan# 2081
 Delta R.T. 0.006 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

Tot Ion:204 Resp: 2306931

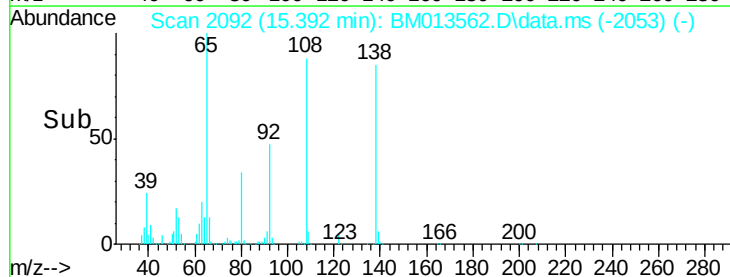
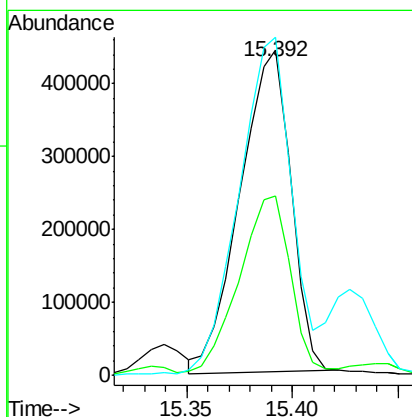
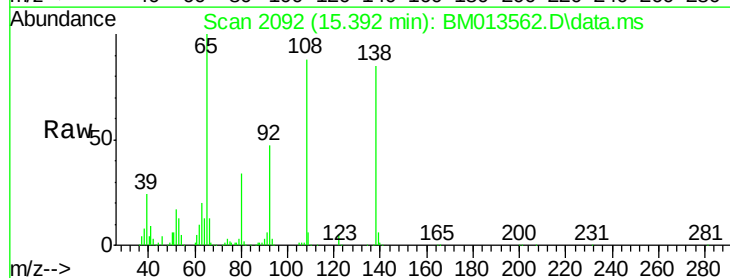
Ion	Ratio	Lower	Upper
204	100		
206	33.2	24.8	37.2
141	56.4	44.3	66.5

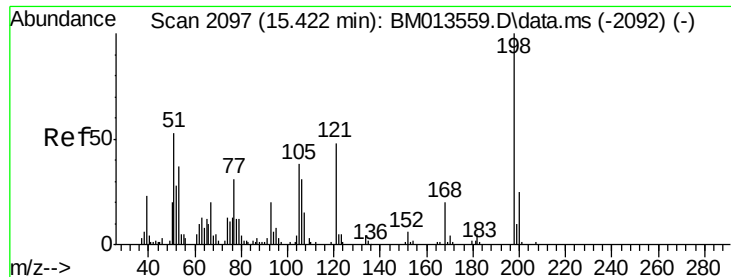


#60
 4-Nitroaniline
 Concen: 124.99 ng/ul
 RT: 15.392 min Scan# 2092
 Delta R.T. 0.029 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion:138 Resp: 740782

Ion	Ratio	Lower	Upper
138	100		
92	55.0	40.0	60.0
108	103.8	80.0	120.0





#63

4,6-Dinitro-2-methylphenol

Concen: 186.22 ng/ul

RT: 15.445 min Scan# 2101

Delta R.T. 0.023 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

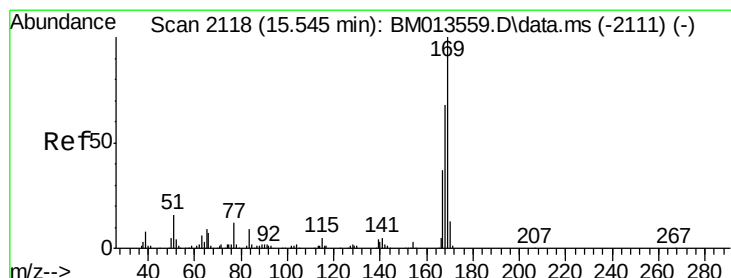
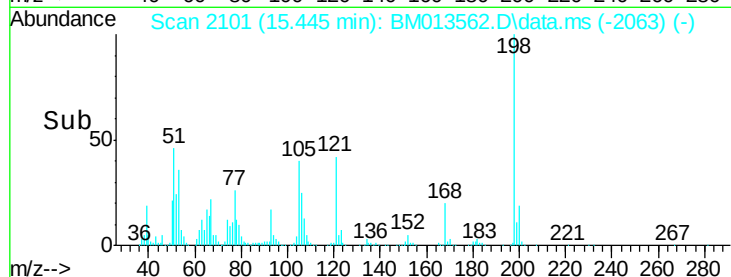
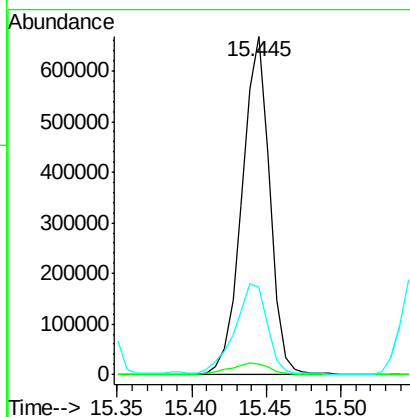
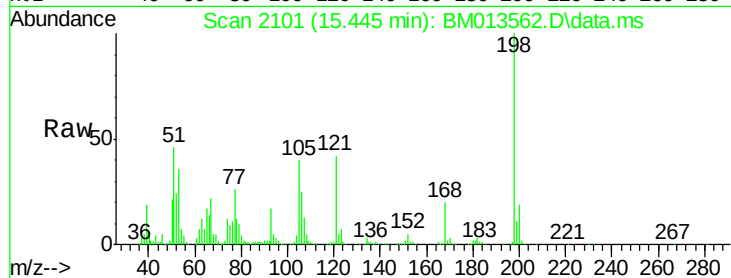
Tot Ion:198 Resp: 856970

Ion Ratio Lower Upper

198 100

182 2.9 3.8 5.6#

77 25.9 25.2 37.8



#64

N-Nitrosodiphenylamine

Concen: 169.44 ng/ul

RT: 15.557 min Scan# 2120

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

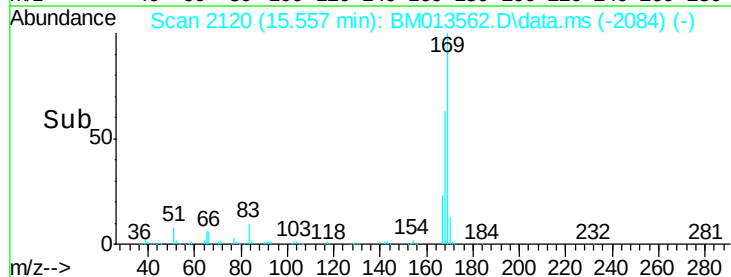
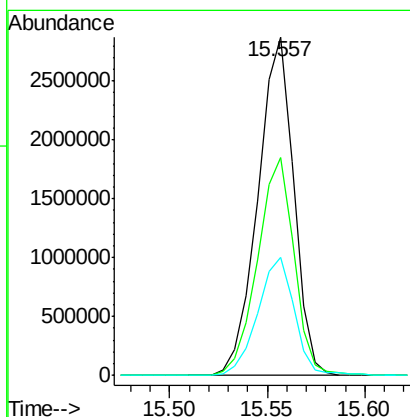
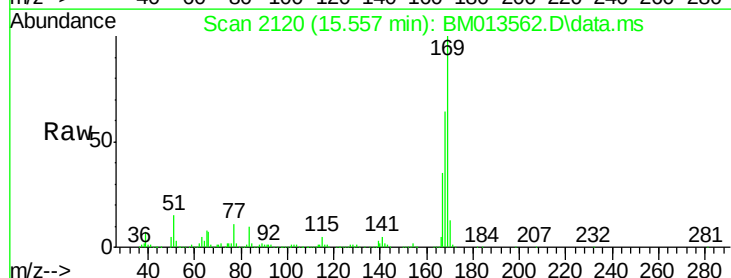
Tgt Ion:169 Resp: 3653690

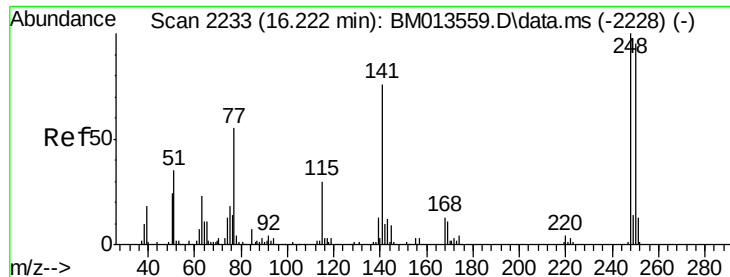
Ion Ratio Lower Upper

169 100

168 64.5 54.0 81.0

167 34.8 29.1 43.7

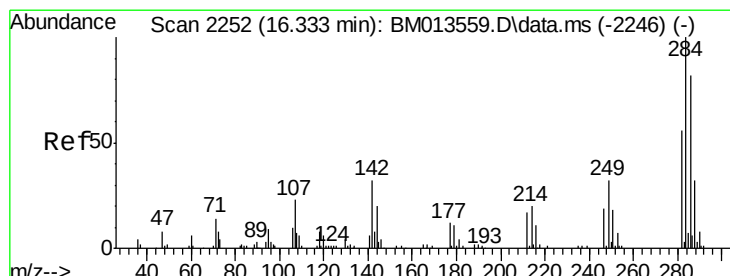
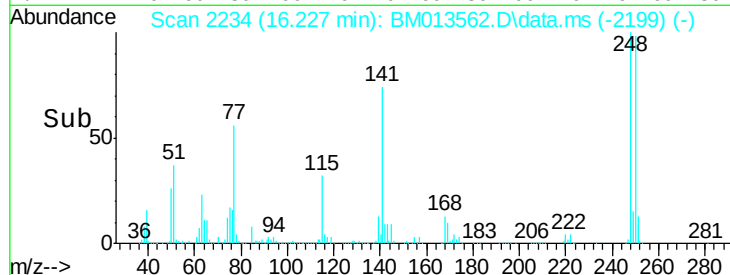
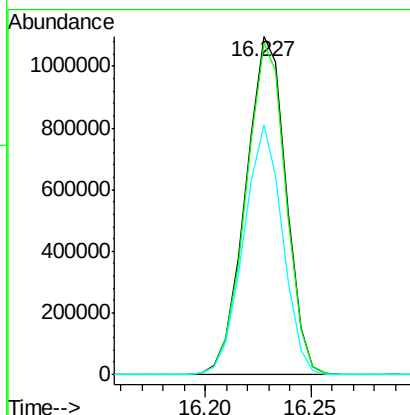
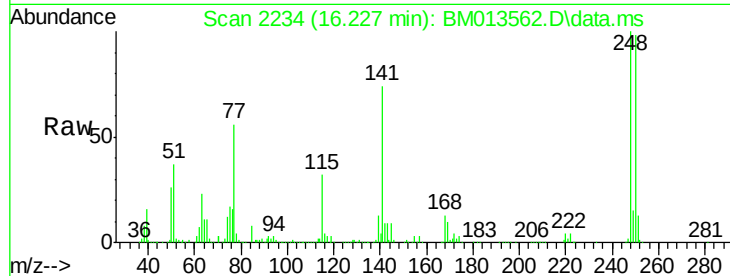




#65
4-Bromophenyl-phenylether
Concen: 168.92 ng/ul
RT: 16.227 min Scan# 2233
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

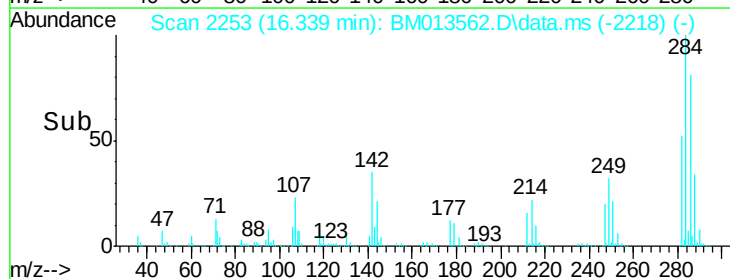
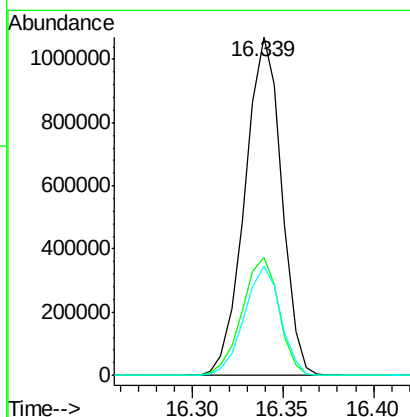
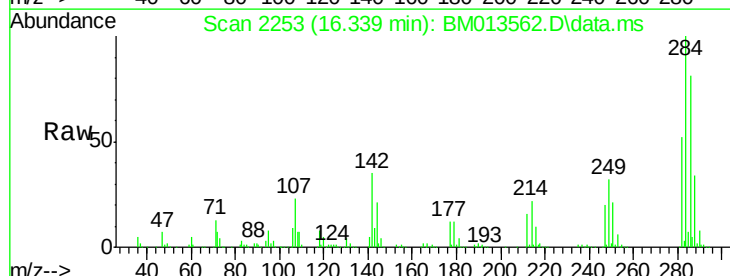
Instrument :
BNA_M
ClientSampleId :
SSTD16013

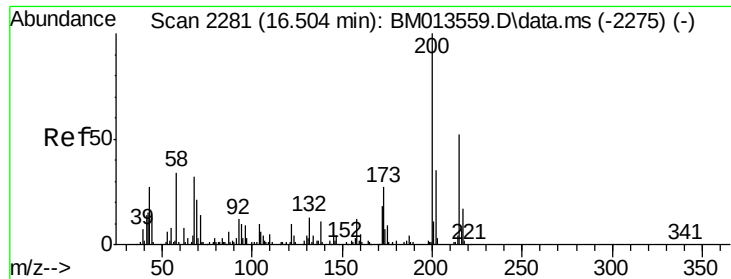
Tot Ion:248 Resp: 1453598
Ion Ratio Lower Upper
248 100
250 98.2 80.5 120.7
141 73.9 53.6 80.4



#66
Hexachlorobenzene
Concen: 158.57 ng/ul
RT: 16.339 min Scan# 2253
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion:284 Resp: 1504822
Ion Ratio Lower Upper
284 100
142 34.9 21.2 31.8#
249 32.3 24.5 36.7

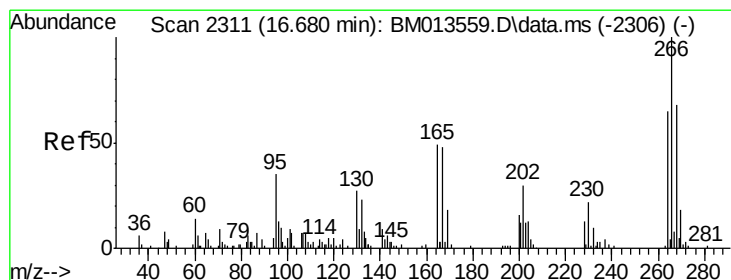
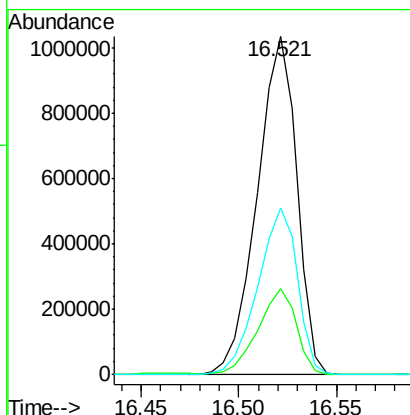
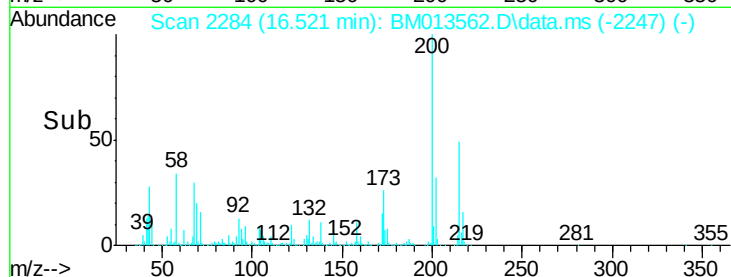
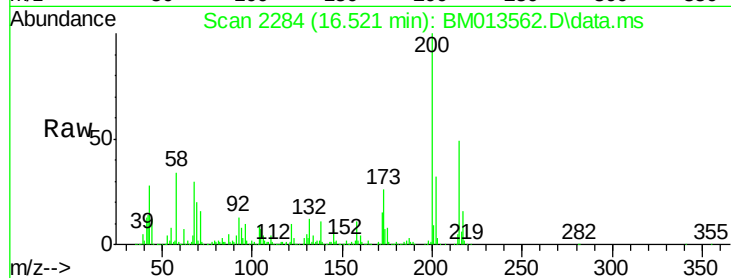




#67
 Atrazine
 Concen: 182.30 ng/ul
 RT: 16.521 min Scan# 2281
 Delta R.T. 0.018 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

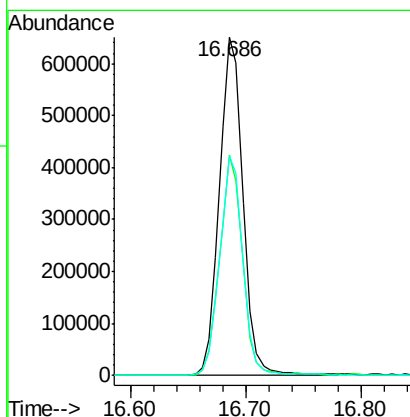
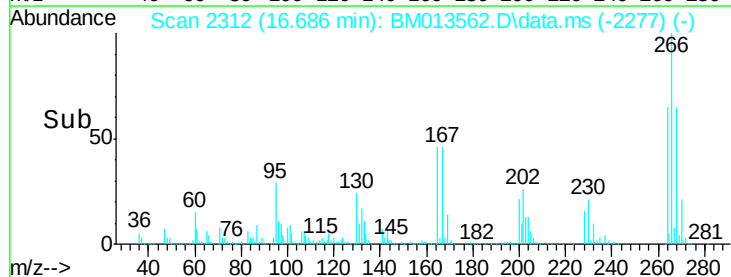
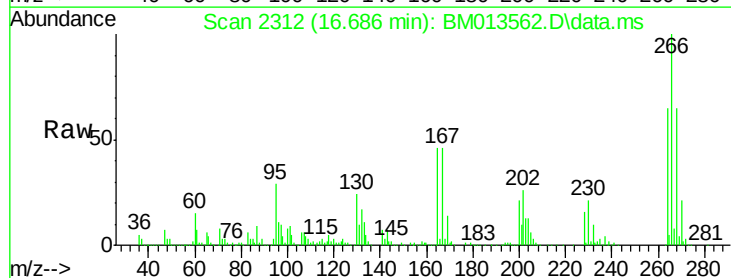
Instrument :
 BNA_M
 ClientSampleId :
 SSTD16013

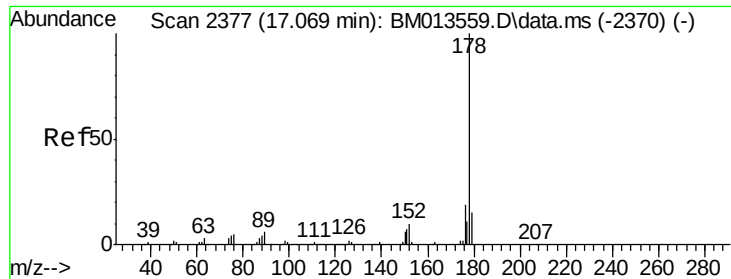
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.6	18.2	27.2
215	49.3	35.0	52.4



#68
 Pentachlorophenol
 Concen: 167.40 ng/ul
 RT: 16.686 min Scan# 2312
 Delta R.T. 0.006 min
 Lab File: BM013562.D
 Acq: 10 Jan 2018 12:12

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.3	49.3	73.9
268	64.9	52.6	78.8





#69

Phenanthrene

Concen: 160.28 ng/ul

RT: 17.080 min Scan# 2377

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

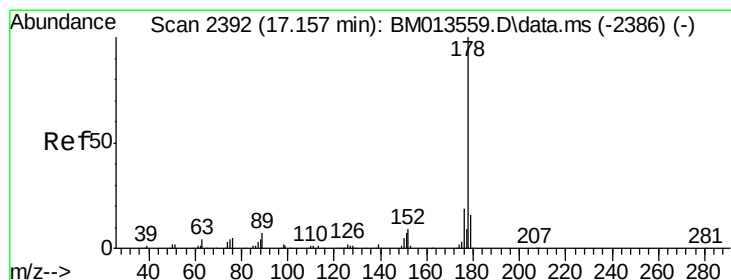
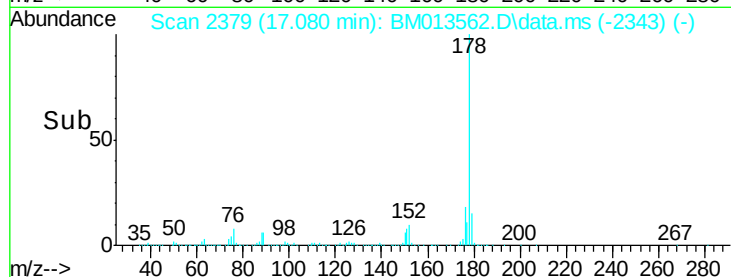
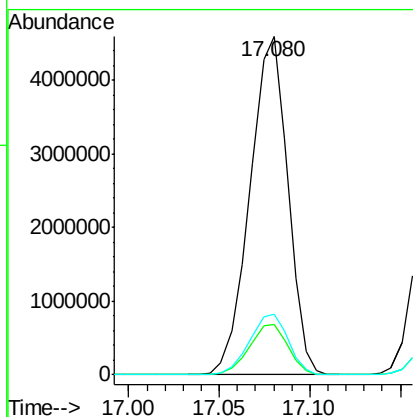
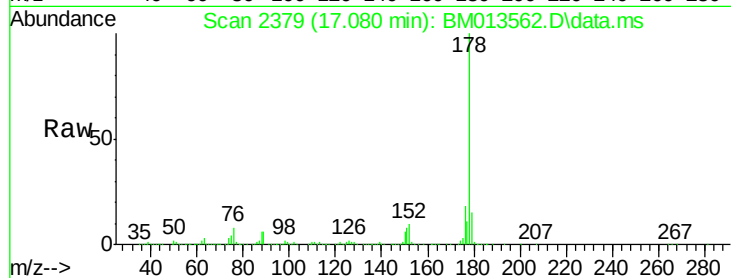
Tot Ion:178 Resp: 6665734

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

176 17.8 14.9 22.3



#71

Anthracene

Concen: 160.77 ng/ul

RT: 17.174 min Scan# 2395

Delta R.T. 0.018 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

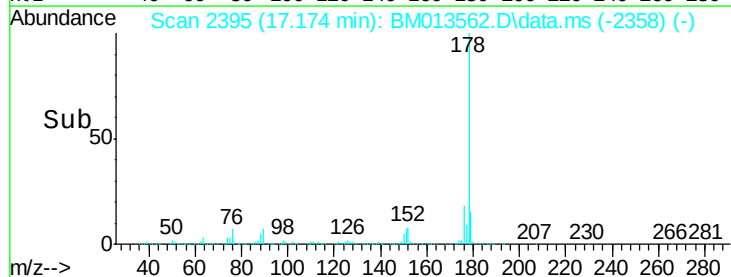
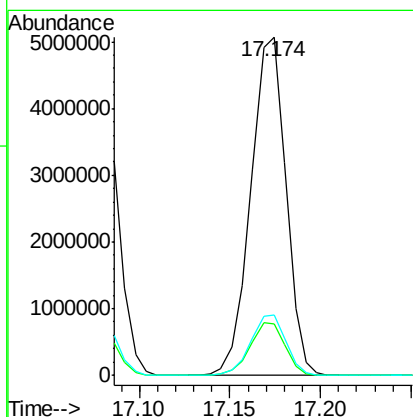
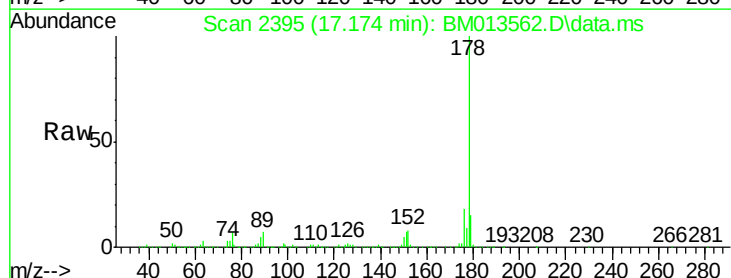
Tgt Ion:178 Resp: 6834199

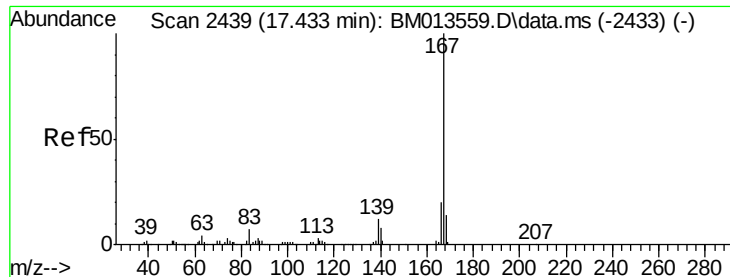
Ion Ratio Lower Upper

178 100

179 15.2 11.7 17.5

176 17.9 14.6 21.8





#72

Carbazole

Concen: 157.75 ng/ul

RT: 17.445 min Scan# 24

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

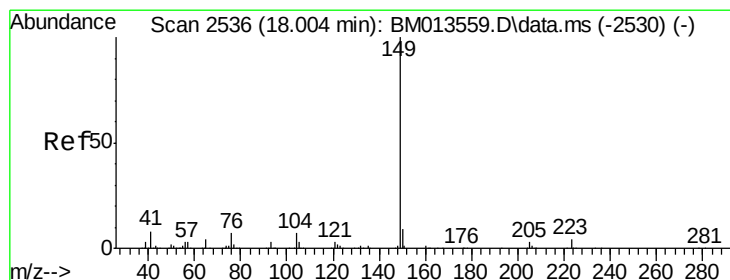
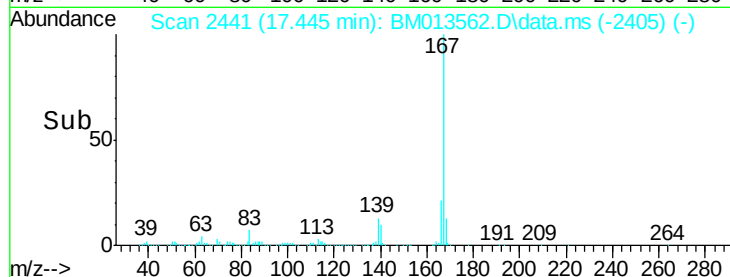
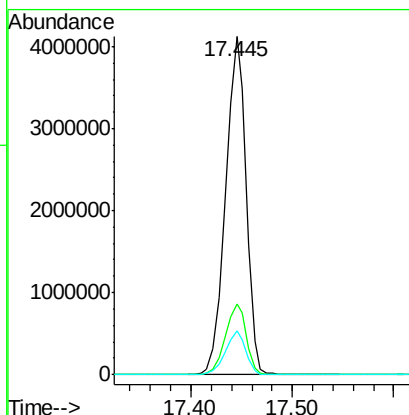
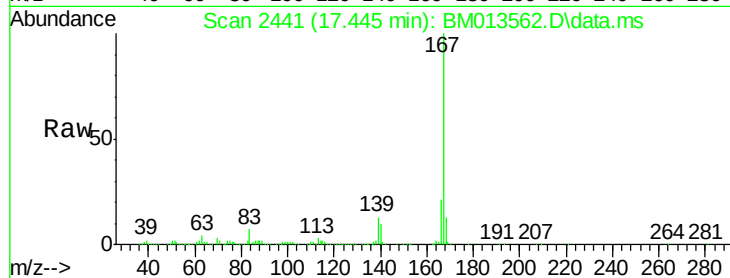
Tot Ion:167 Resp: 5768144

Ion Ratio Lower Upper

167 100

166 20.9 17.1 25.7

139 12.7 10.0 15.0



#73

Di-n-butylphthalate

Concen: 174.81 ng/ul

RT: 18.010 min Scan# 2537

Delta R.T. 0.006 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

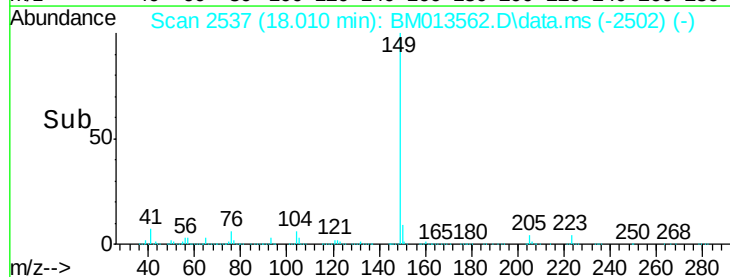
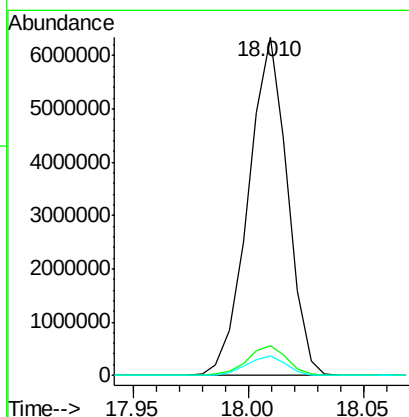
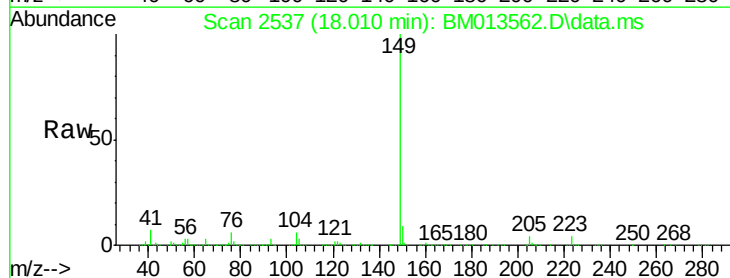
Tgt Ion:149 Resp: 7461703

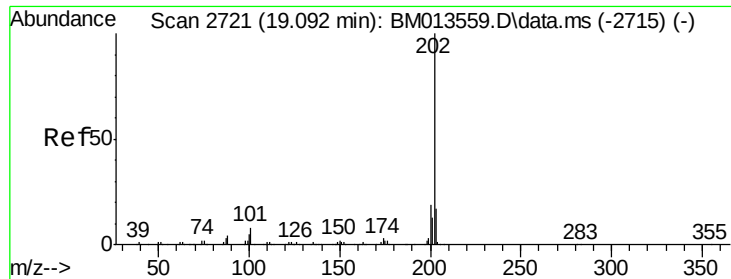
Ion Ratio Lower Upper

149 100

150 8.9 7.1 10.7

104 5.9 5.6 8.4





#74

Fluoranthene

Concen: 154.52 ng/ul

RT: 19.098 min Scan# 27

Delta R.T. 0.006 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

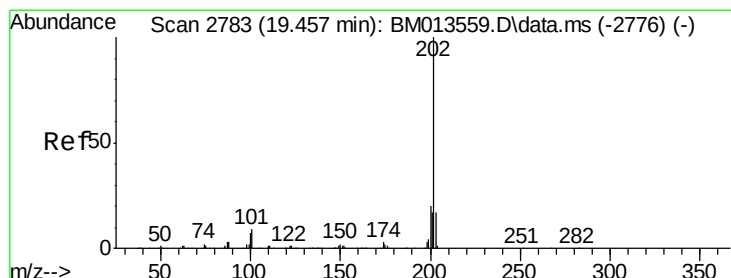
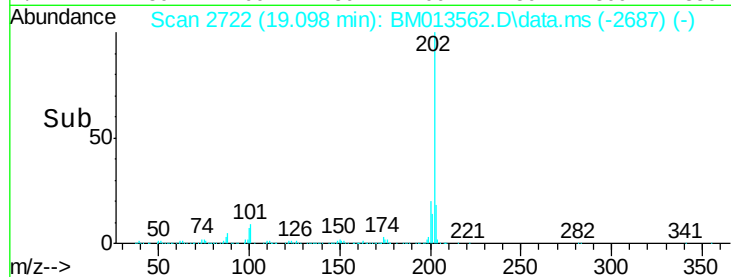
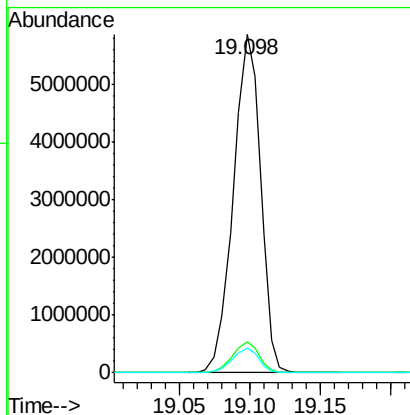
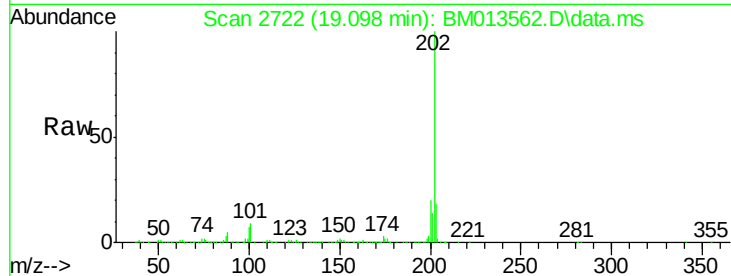
Tot Ion:202 Resp: 7874939

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

100 7.3 3.4 5.2#



#77

Pyrene

Concen: 173.23 ng/ul

RT: 19.468 min Scan# 2785

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

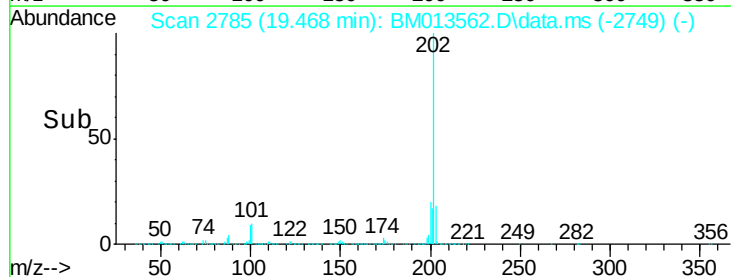
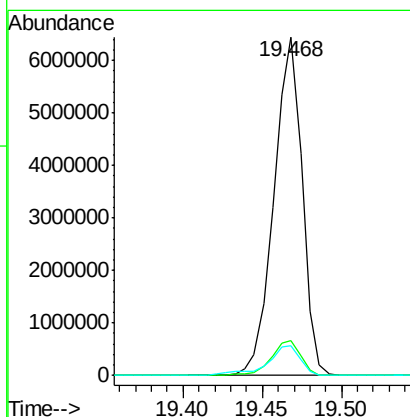
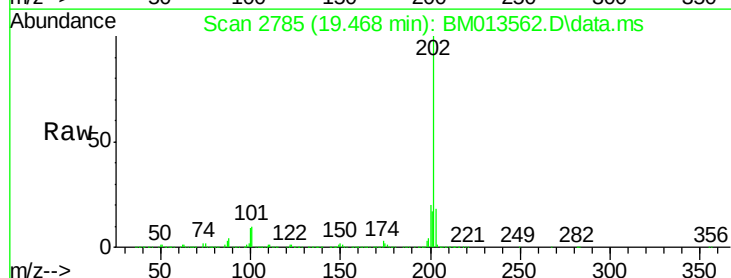
Tgt Ion:202 Resp: 7977789

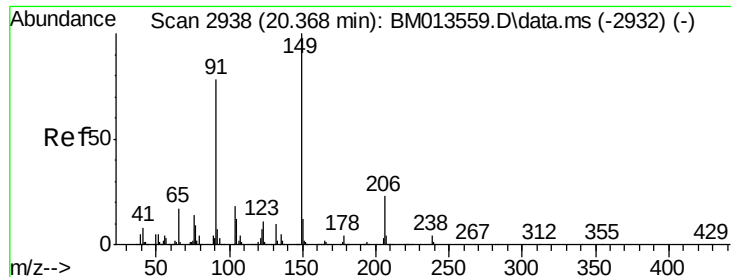
Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

100 8.6 4.9 7.3#

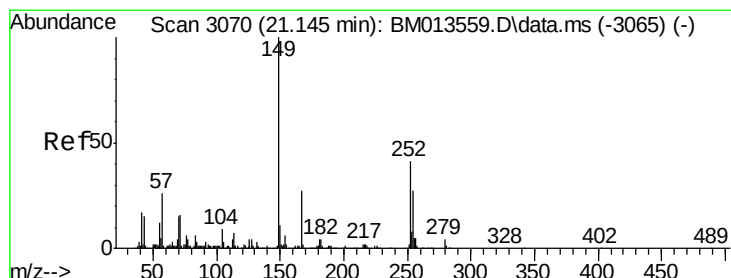
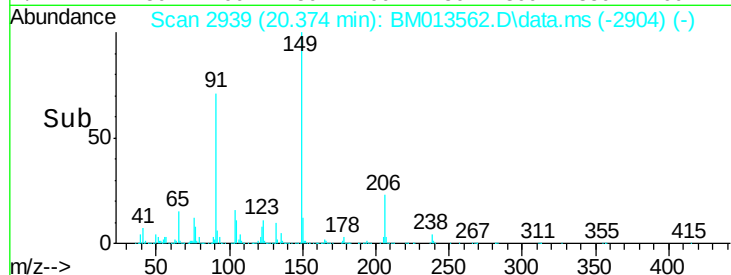
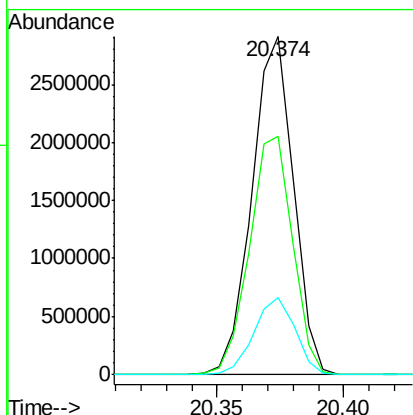
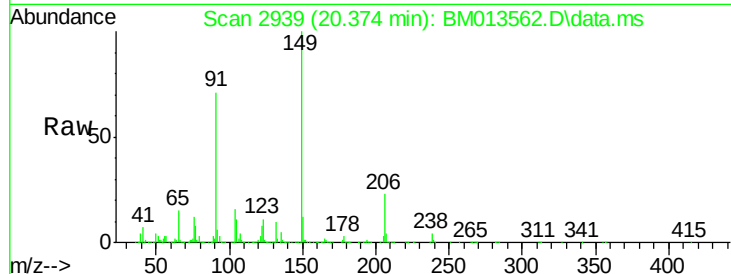




#78
Butylbenzylphthalate
Concen: 183.94 ng/ul
RT: 20.374 min Scan# 2938
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

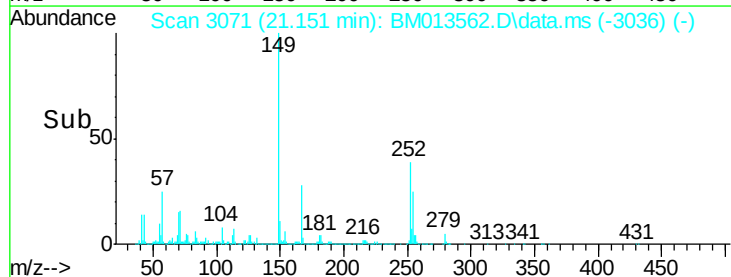
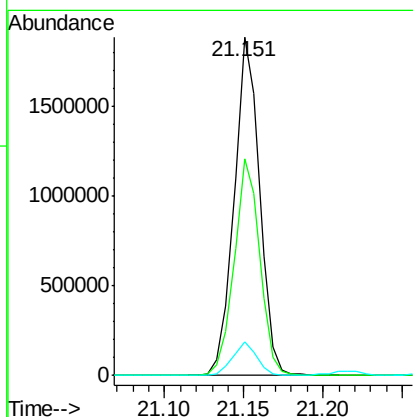
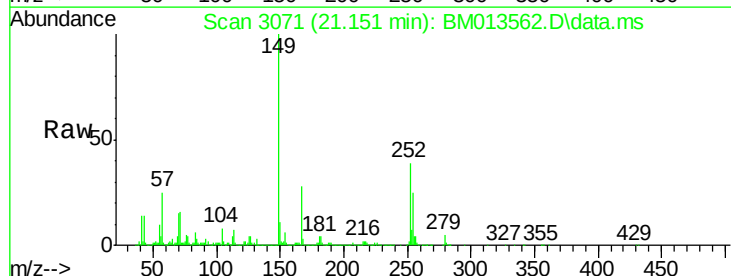
Instrument :
BNA_M
ClientSampleId :
SSTD16013

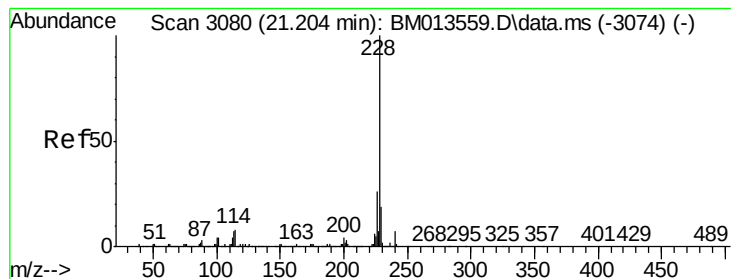
Tot Ion:149 Resp: 3309764
Ion Ratio Lower Upper
149 100
91 70.6 62.7 94.1
206 22.9 20.8 31.2



#79
3,3'-Dichlorobenzidine
Concen: 131.29 ng/ul
RT: 21.151 min Scan# 3071
Delta R.T. 0.006 min
Lab File: BM013562.D
Acq: 10 Jan 2018 12:12

Tgt Ion:252 Resp: 2092067
Ion Ratio Lower Upper
252 100
254 64.2 54.5 81.7
126 10.0 5.8 8.8#





#80

Benzo(a)anthracene

Concen: 157.71 ng/ul

RT: 21.215 min Scan# 30

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

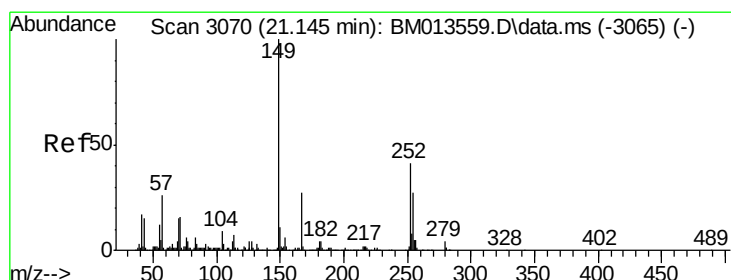
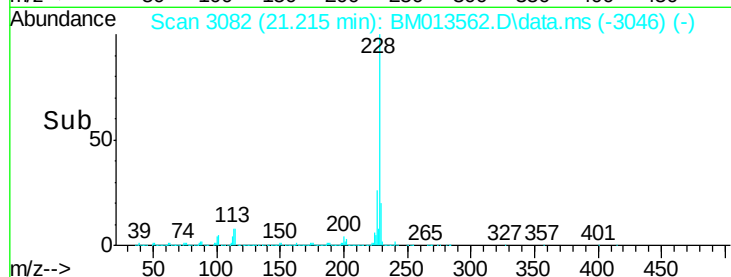
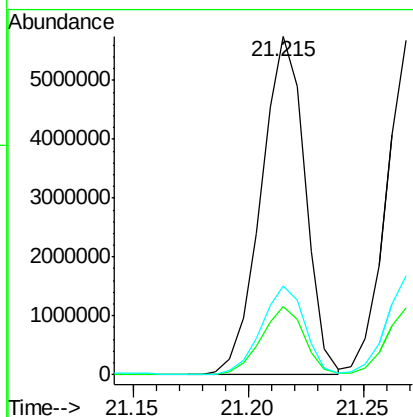
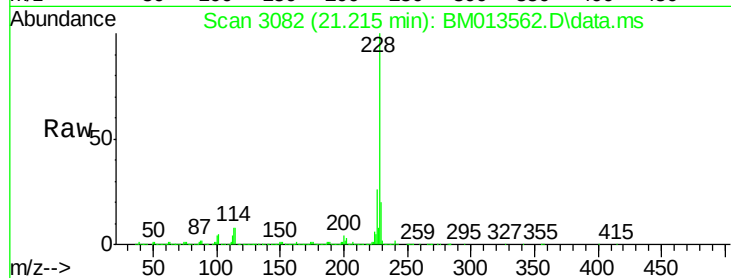
BNA_M

ClientSampleId :

SSTD16013

Tot Ion:228 Resp: 7585054

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.4	23.0
226	26.2	21.4	32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 185.50 ng/ul

RT: 21.151 min Scan# 3071

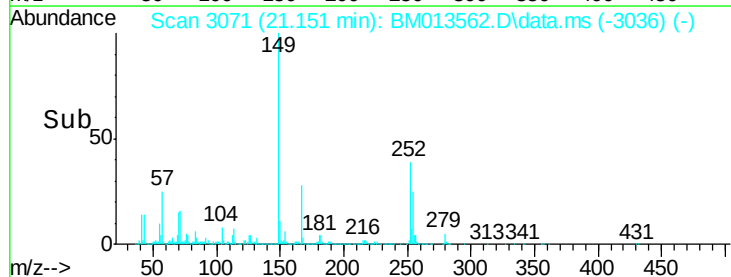
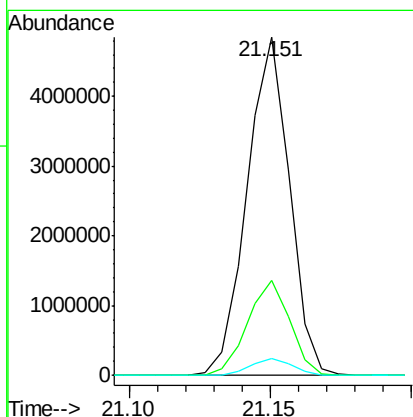
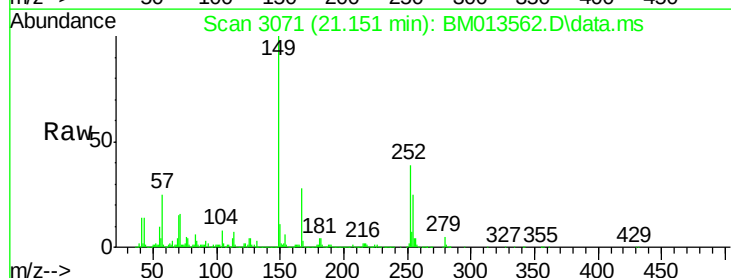
Delta R.T. 0.006 min

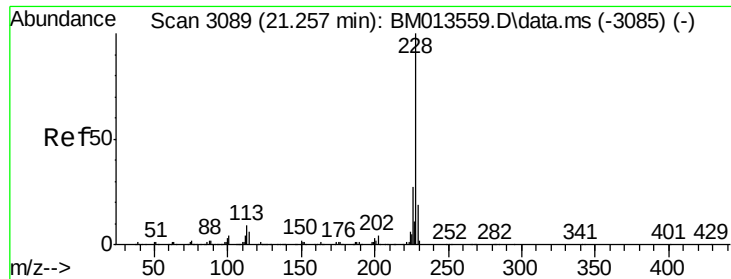
Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Tgt Ion:149 Resp: 5031023

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.8	34.2
279	4.9	4.9	7.3





#82

Chrysene

Concen: 151.98 ng/ul

RT: 21.268 min Scan# 30

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

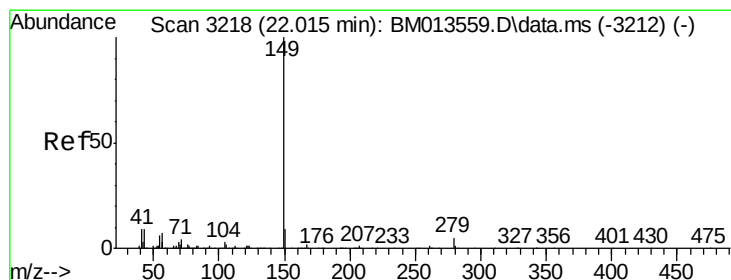
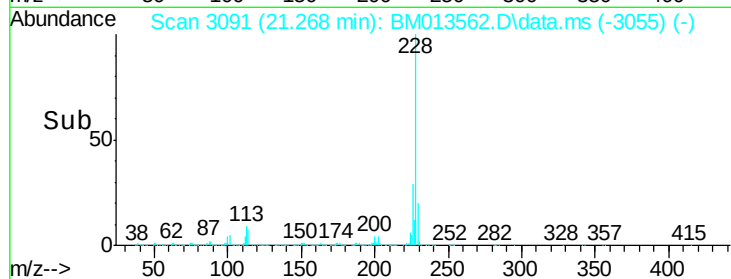
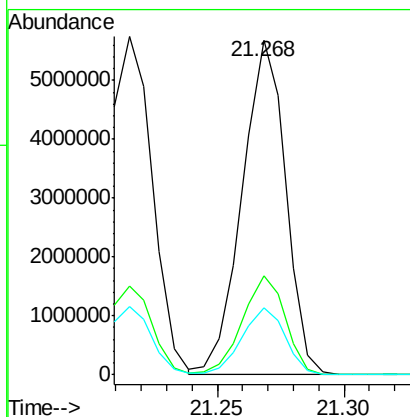
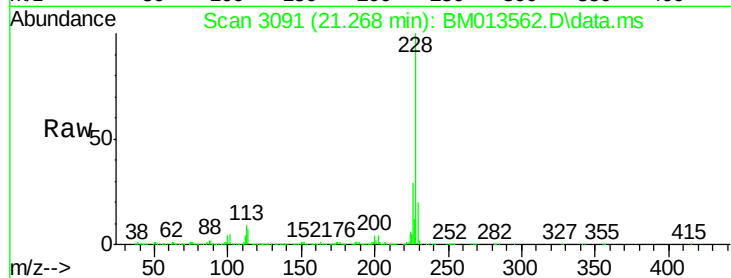
BNA_M

ClientSampleId :

SSTD16013

Tot Ion:228 Resp: 6781495

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	20.0	15.5	23.3



#84

Di-n-octyl phthalate

Concen: 160.43 ng/ul

RT: 22.021 min Scan# 3219

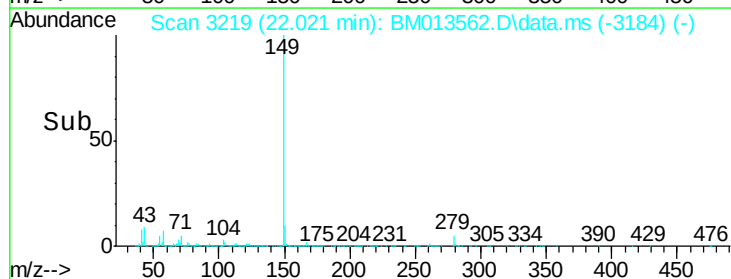
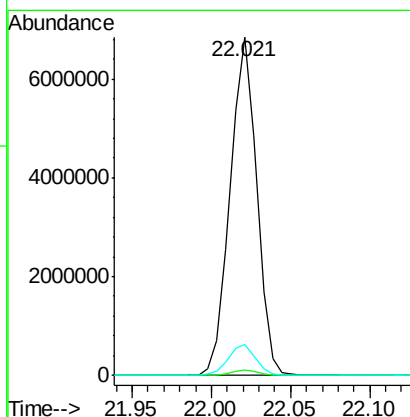
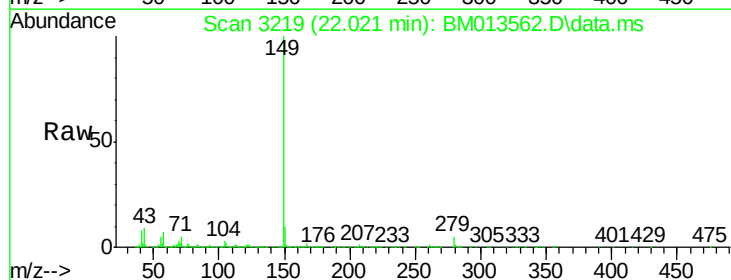
Delta R.T. 0.006 min

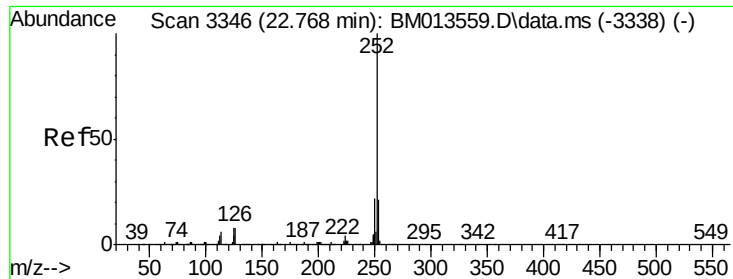
Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Tgt Ion:149 Resp: 7936609

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.0	7.3	10.9





#85

Benzo(b)fluoranthene

Concen: 161.77 ng/ul

RT: 22.780 min Scan# 33

Delta R.T. 0.012 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

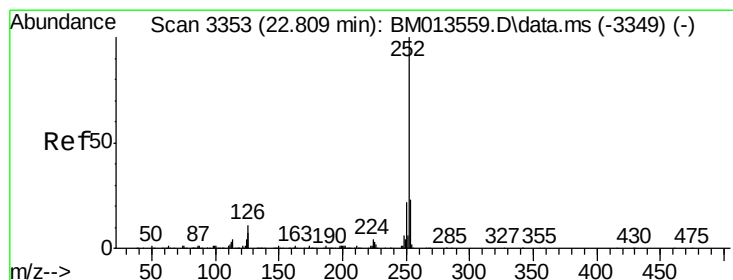
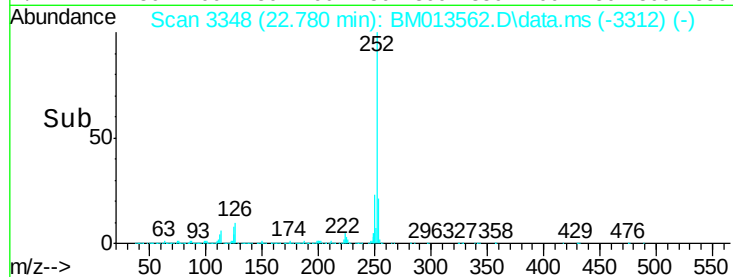
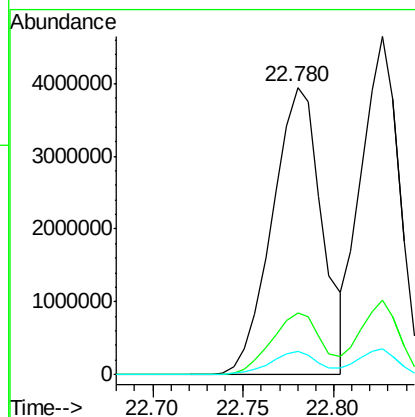
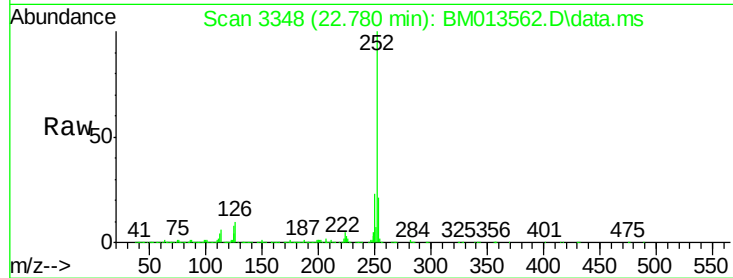
BNA_M

ClientSampleId :

SSTD16013

Tot Ion:252 Resp: 7586589

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	8.0	3.6	5.4



#86

Benzo(k)fluoranthene

Concen: 154.30 ng/ul

RT: 22.827 min Scan# 3356

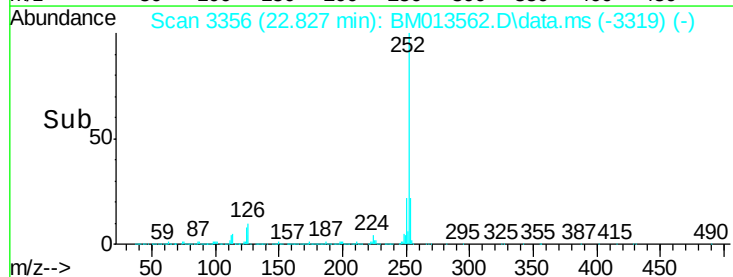
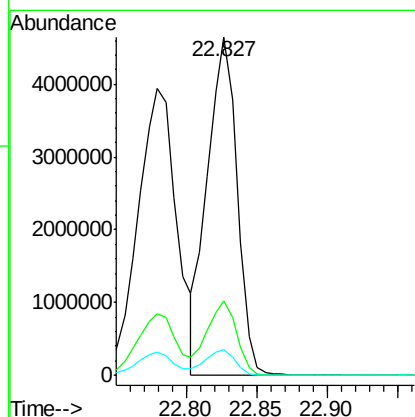
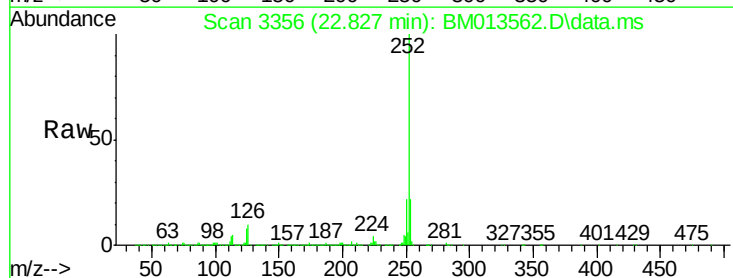
Delta R.T. 0.018 min

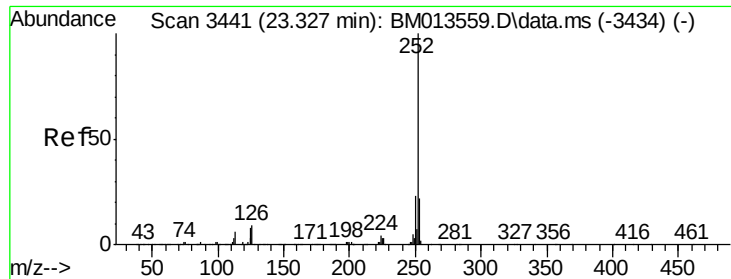
Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Tgt Ion:252 Resp: 6809692

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	7.7	3.4	5.2





#88

Benzo(a)pyrene

Concen: 162.58 ng/ul

RT: 23.356 min Scan# 34

Delta R.T. 0.029 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

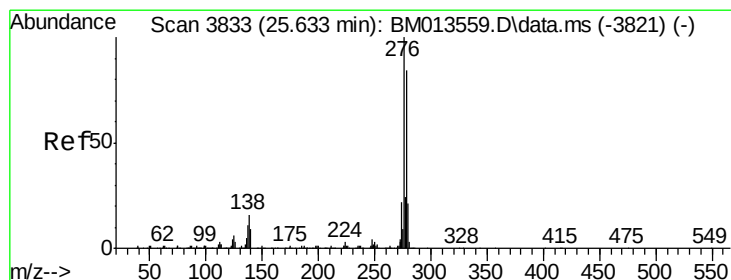
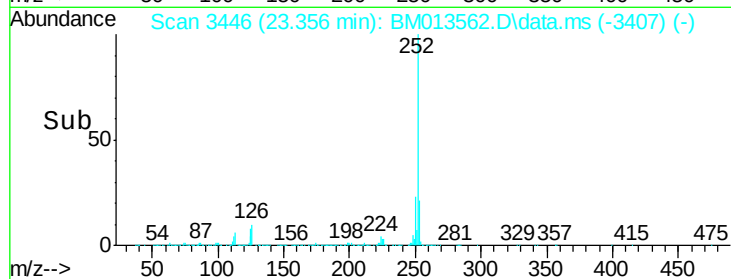
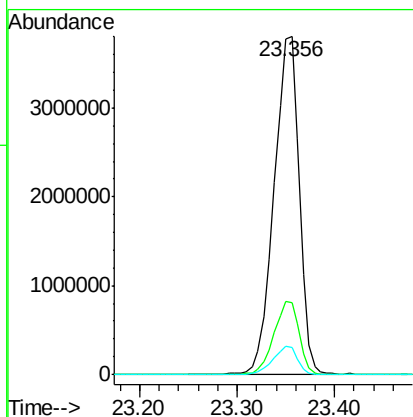
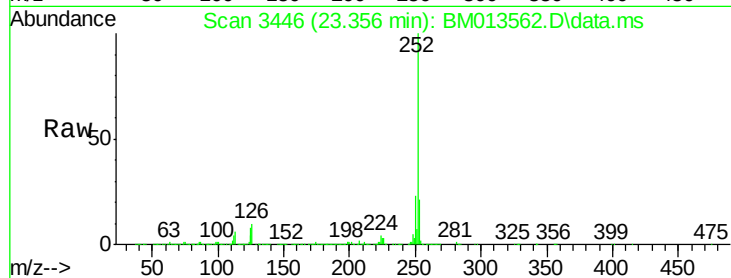
Tot Ion:252 Resp: 6849329

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

125 7.8 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 187.89 ng/ul

RT: 25.668 min Scan# 3839

Delta R.T. 0.035 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

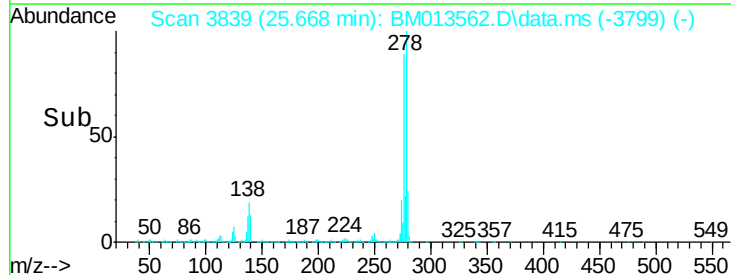
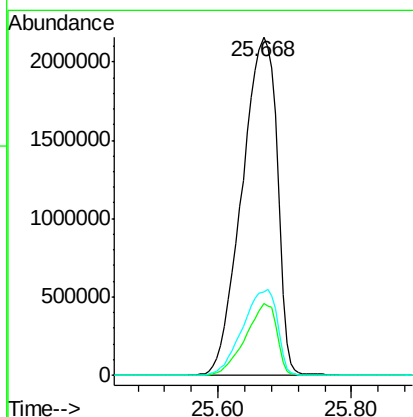
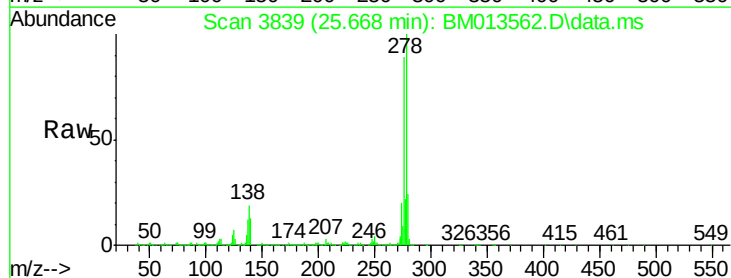
Tgt Ion:276 Resp: 7853815

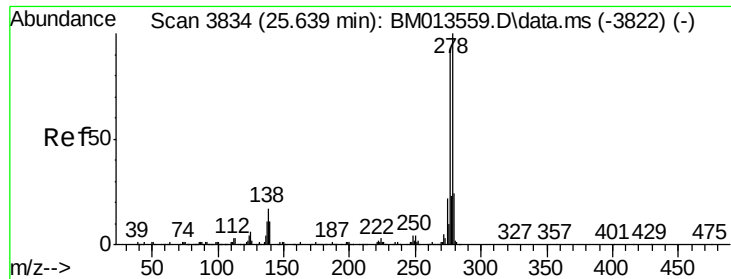
Ion Ratio Lower Upper

276 100

138 21.3 9.3 13.9#

277 24.8 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 187.30 ng/ul

RT: 25.680 min Scan# 38

Delta R.T. 0.041 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Instrument :

BNA_M

ClientSampleId :

SSTD16013

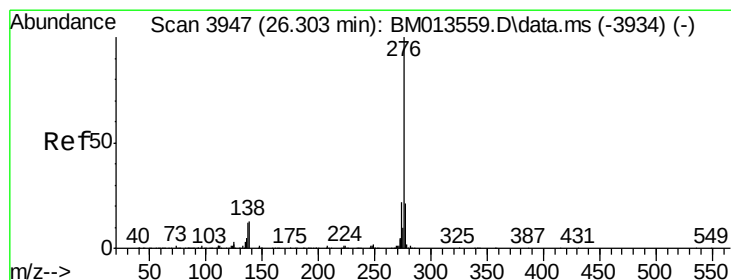
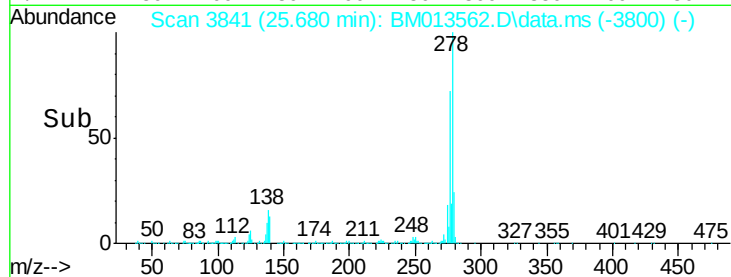
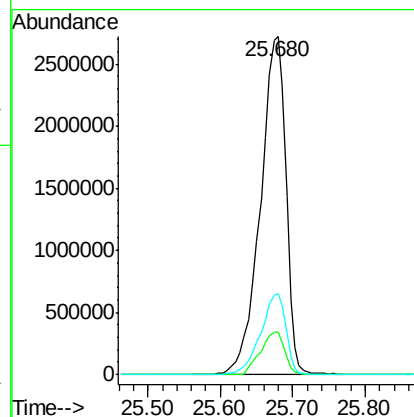
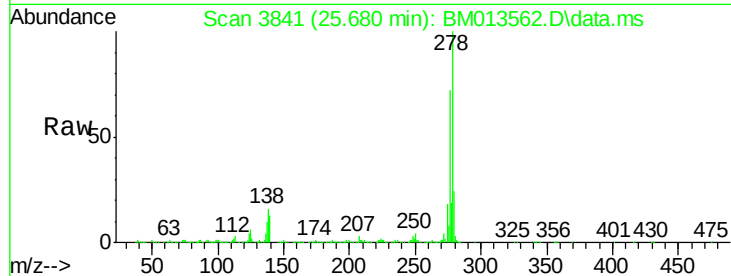
Tot Ion:278 Resp: 6666578

Ion Ratio Lower Upper

278 100

139 12.7 5.8 8.8#

279 23.8 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 194.90 ng/ul

RT: 26.344 min Scan# 3954

Delta R.T. 0.041 min

Lab File: BM013562.D

Acq: 10 Jan 2018 12:12

Tgt Ion:276 Resp: 6426050

Ion Ratio Lower Upper

276 100

138 15.4 8.5 12.7#

277 23.4 18.6 28.0

