

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021319\
 Data File : BM018814.D
 Acq On : 13 Feb 2019 22:38
 Operator : JU/SJ
 Sample : K1457-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 IDW-LIQUID-02

Quant Time: Feb 14 00:53:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	309385	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1229844	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	692391	20.00	ng	0.00
64) Phenanthrene-d10	17.11	188	1606678	20.00	ng	0.00
76) Chrysene-d12	21.30	240	1715589	20.00	ng	0.00
87) Perylene-d12	23.56	264	1643560	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2730030	144.58	ng	0.00
7) Phenol-d6	6.89	99	3479503	130.80	ng	0.00
23) Nitrobenzene-d5	8.88	82	2656842	99.89	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	1600479	160.36	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	5040337	96.64	ng	0.00
79) Terphenyl-d14	19.74	244	8882704	106.81	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	146	0.018	ng	# 1
3) Pyridine	3.65	79	108	0.005	ng	# 1
4) n-Nitrosodimethylamine	3.56	42	556	0.097	ng	# 1
6) Aniline	7.06	93	626	0.019	ng	# 60
8) 2-Chlorophenol	7.28	128	549	0.026	ng	# 1
9) Benzaldehyde	6.86	77	2599	Below Cal		# 1
10) Phenol	6.92	94	5299	0.189	ng	# 1
12) 1,3-Dichlorobenzene	7.60	146	830	0.036	ng	# 68
13) 1,4-Dichlorobenzene	7.75	146	956	0.040	ng	# 56
14) 1,2-Dichlorobenzene	8.06	146	805	0.035	ng	# 18
15) Benzyl Alcohol	8.03	79	35395	1.675	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	8.23	45	793	0.038	ng	# 1
18) Hexachloroethane	8.80	117	6445	0.744	ng	# 1
20) 3+4-Methylphenols	8.51	107	369	0.015	ng	# 1
22) Acetophenone	8.55	105	743	0.022	ng	# 18
24) Nitrobenzene	8.93	77	367	0.013	ng	# 44
25) Isophorone	9.45	82	1362	0.032	ng	# 68
28) bis(2-Chloroethoxy)methane	9.95	93	110	0.004	ng	# 50
30) 1,2,4-Trichlorobenzene	10.36	180	119	0.006	ng	# 84
31) Naphthalene	10.55	128	4081	0.068	ng	# 85
32) Benzoic acid	9.77	122	9248	0.660	ng	# 91
37) 2-Methylnaphthalene	12.17	142	6623	0.157	ng	# 89
38) 1-Methylnaphthalene	12.39	142	3142	0.076	ng	# 85
46) 1,1'-Biphenyl	13.19	154	8425	0.141	ng	# 94
48) 2-Nitroaniline	13.49	65	116	0.008	ng	# 8
50) Dimethylphthalate	13.83	163	190	0.003	ng	# 78
51) 2,6-Dinitrotoluene	13.87	165	122	0.010	ng	# 20
52) Acenaphthene	14.42	154	260	0.006	ng	# 64
58) Fluorene	15.42	166	119	0.002	ng	# 8
60) Diethylphthalate	15.19	149	11710	0.197	ng	# 95
63) Azobenzene	15.70	77	593	0.009	ng	# 64
71) Phenanthrene	17.15	178	1326	0.015	ng	# 50
72) Anthracene	17.24	178	526	0.006	ng	# 61
73) Carbazole	17.53	167	343	0.004	ng	# 58

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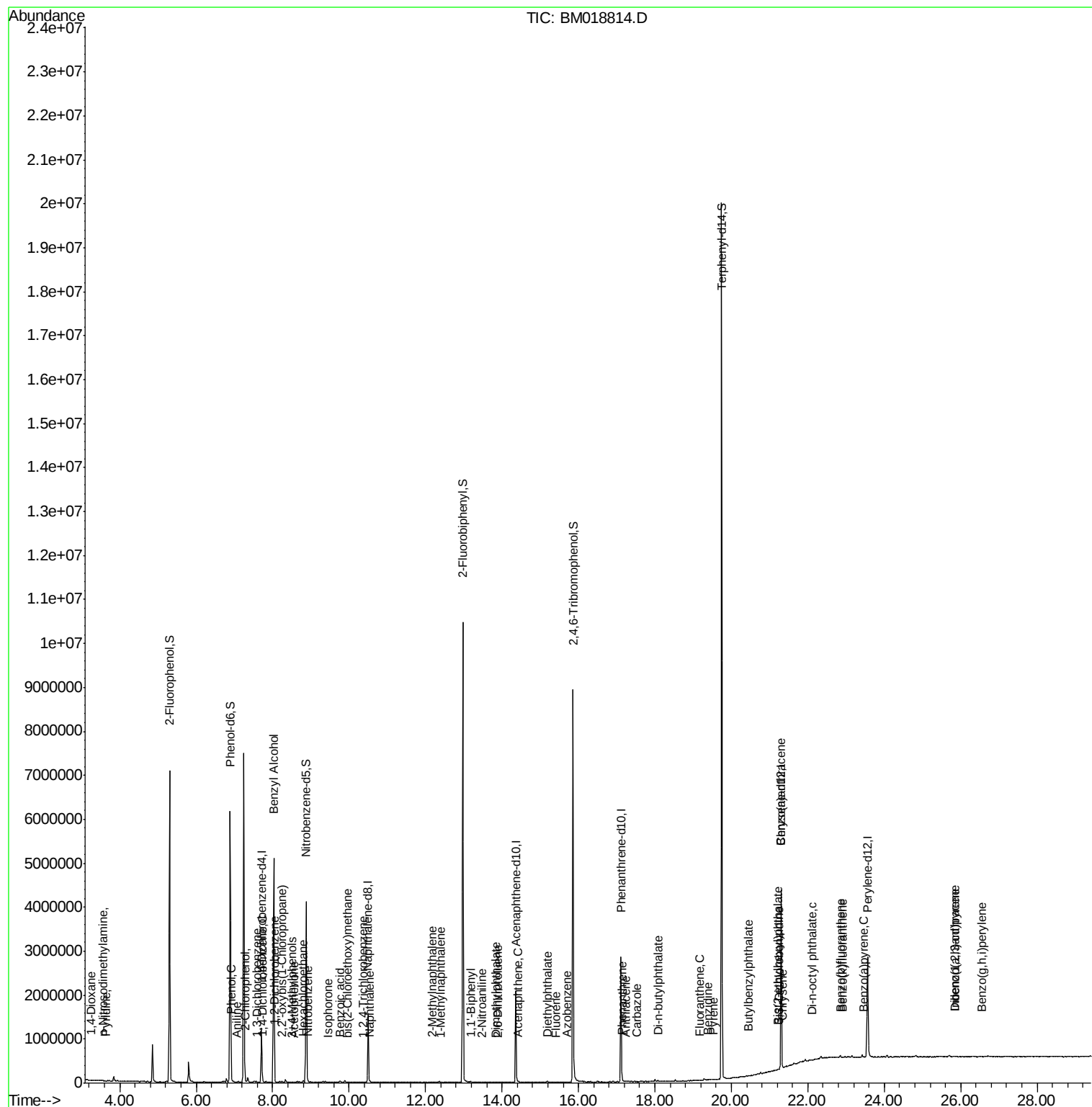
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Di-n-butylphthalate	18.08	149	20069	0.199	ng	# 96
75) Fluoranthene	19.19	202	759	0.008	ng	64
77) Benzidine	19.39	184	265	0.007	ng	# 67
78) Pyrene	19.54	202	807	0.008	ng	# 21
80) Butylbenzylphthalate	20.44	149	2035	0.045	ng	# 73
81) Benzo(a)anthracene	21.30	228	5810	0.058	ng	# 67
82) 3,3'-Dichlorobenzidine	21.24	252	1472	0.037	ng	# 89
83) Chrysene	21.34	228	1173	0.012	ng	# 57
84) Bis(2-ethylhexyl)phthalate	21.22	149	2225	0.033	ng	# 83
85) Di-n-octyl phthalate	22.10	149	1126	0.010	ng	# 1
86) Indeno(1,2,3-cd)pyrene	25.86	276	1119	0.010	ng	# 71
88) Benzo(b)fluoranthene	22.87	252	290	0.003	ng	# 1
89) Benzo(k)fluoranthene	22.92	252	449	0.005	ng	# 1
90) Benzo(a)pyrene	23.45	252	195	0.002	ng	# 1
91) Dibenzo(a,h)anthracene	25.86	278	264	0.003	ng	# 1
92) Benzo(g,h,i)perylene	26.56	276	988	0.012	ng	# 41

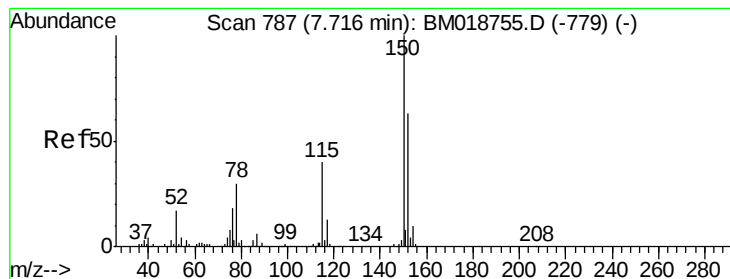
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.71 min Scan# 786

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

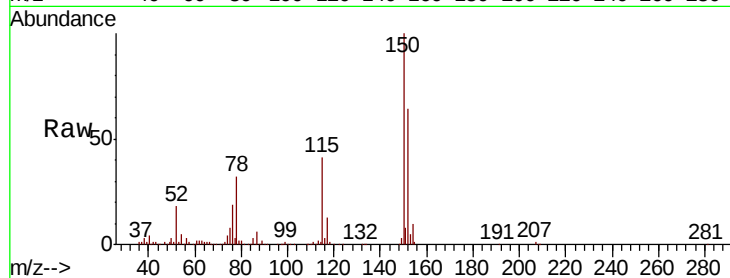
Tgt Ion:152 Resp: 309385

Ion Ratio Lower Upper

152 100

150 156.2 127.3 190.9

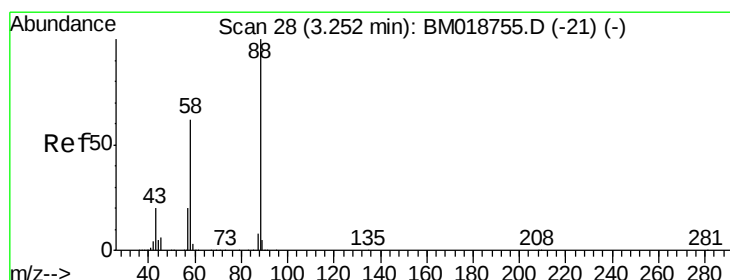
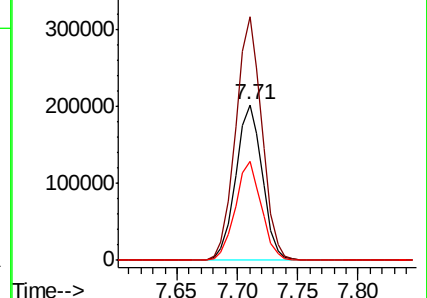
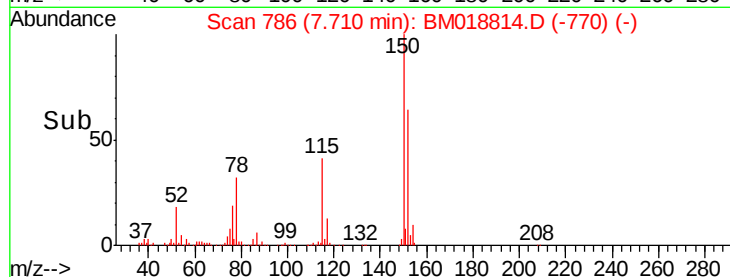
115 63.4 50.8 76.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.018 ng

RT: 3.26 min Scan# 30

Delta R.T. 0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

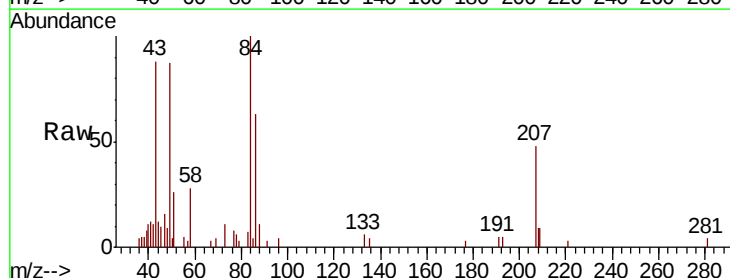
Tgt Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

58 693.2 49.8 74.6#

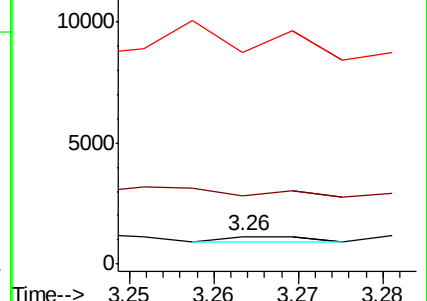
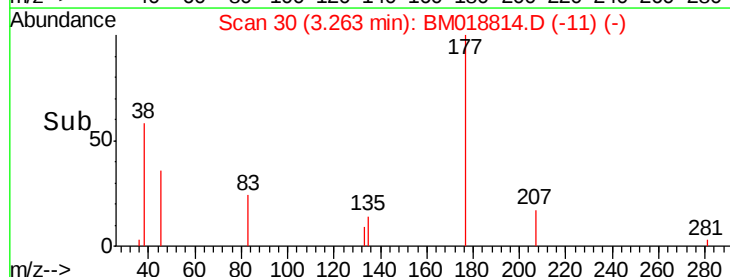
43 2551.4 16.7 25.1#

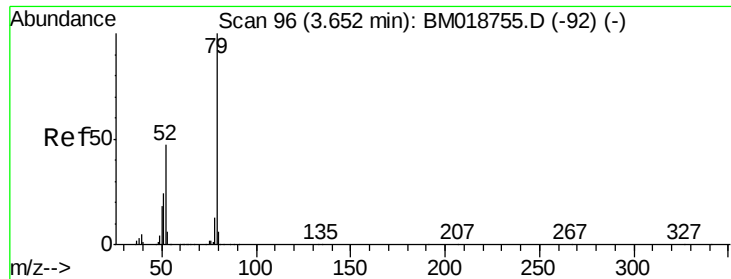


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 0.005 ng

RT: 3.65 min Scan# 95

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

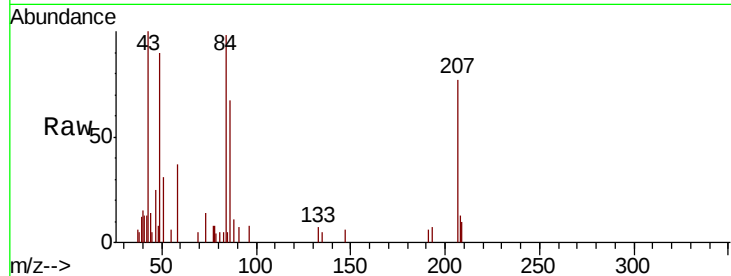
Tgt Ion: 79 Resp: 108

Ion Ratio Lower Upper

79 100

52 0.0 37.6 56.4#

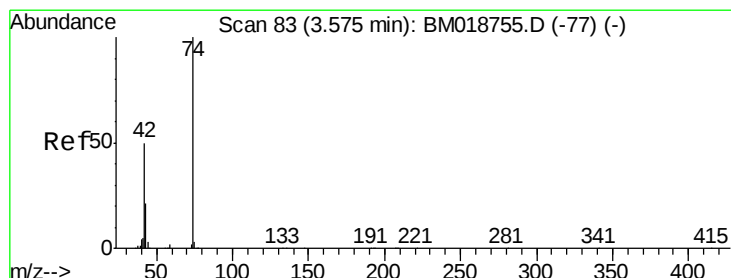
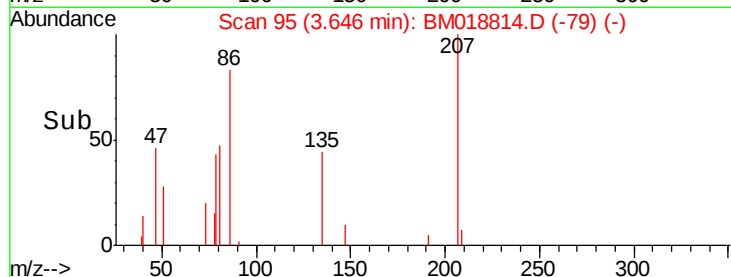
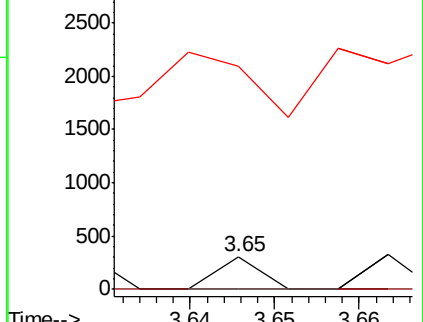
51 683.7 19.7 29.5#



Abundance Ion 79.00 (78.70 to 79.70): BM018755.D (-92) (-)

Ion 52.00 (51.70 to 52.70): BM018755.D (-92) (-)

Ion 51.00 (50.70 to 51.70): BM018755.D (-92) (-)



#4

n-Nitrosodimethylamine

Concen: 0.097 ng

RT: 3.56 min Scan# 81

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

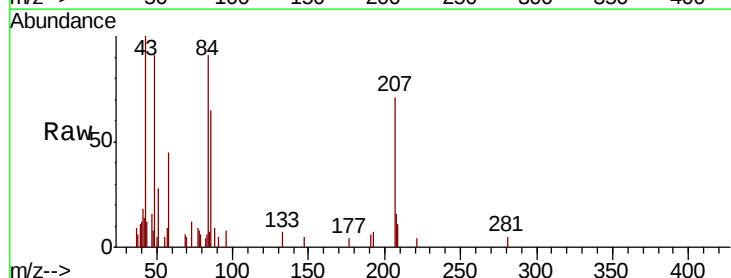
Tgt Ion: 42 Resp: 556

Ion Ratio Lower Upper

42 100

74 0.0 158.1 237.1#

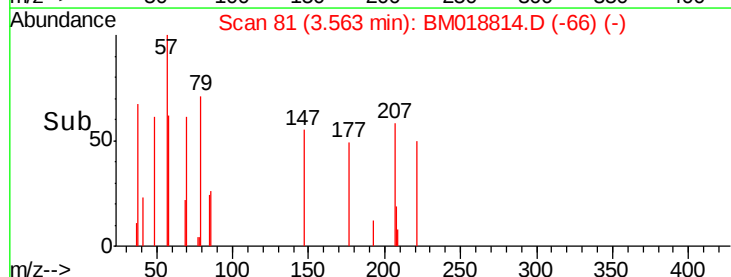
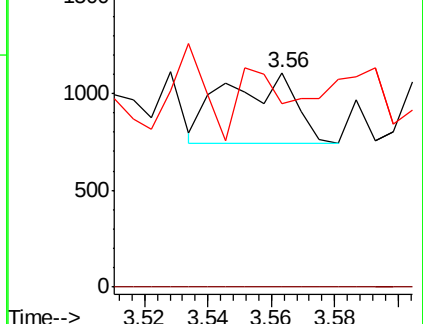
44 85.6 4.9 7.3#

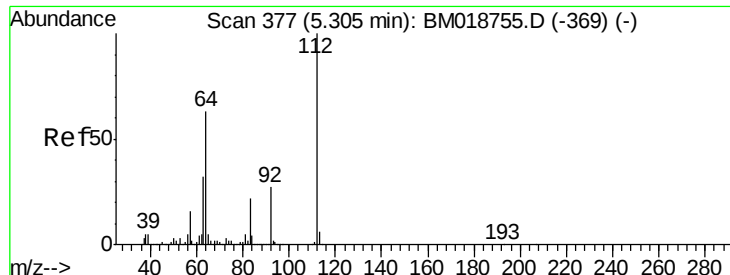


Abundance Ion 42.00 (41.70 to 42.70): BM018755.D (-77) (-)

Ion 74.00 (73.70 to 74.70): BM018755.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM018755.D (-77) (-)





#5

2-Fluorophenol

Concen: 144.580 ng

RT: 5.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

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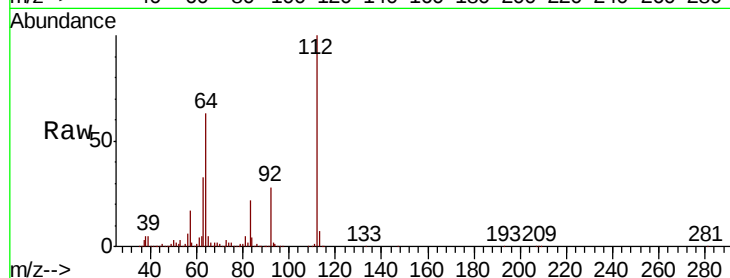
Tgt Ion: 112 Resp: 2730030

Ion Ratio Lower Upper

112 100

64 63.5 50.6 75.8

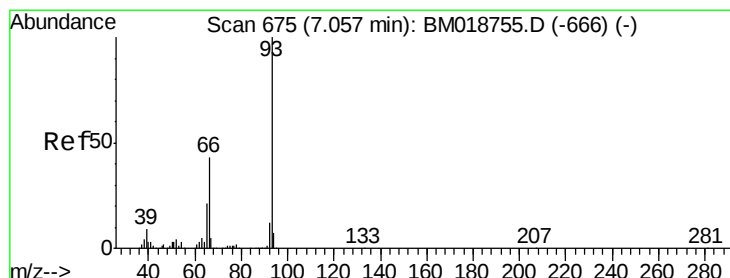
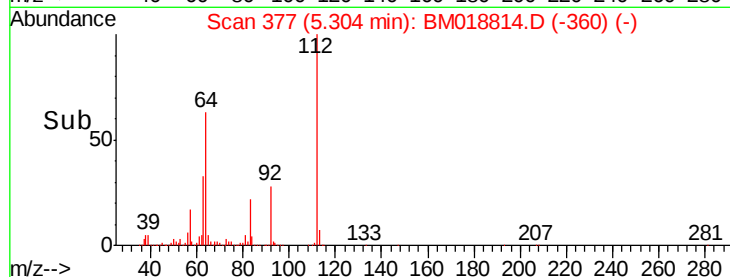
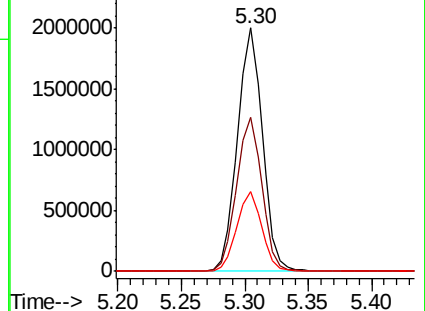
63 32.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 0.019 ng

RT: 7.06 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

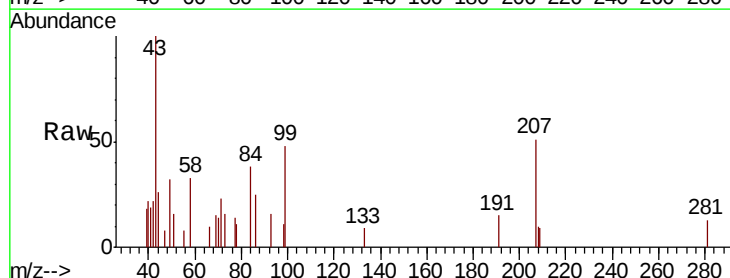
Tgt Ion: 93 Resp: 626

Ion Ratio Lower Upper

93 100

66 66.8 34.1 51.1#

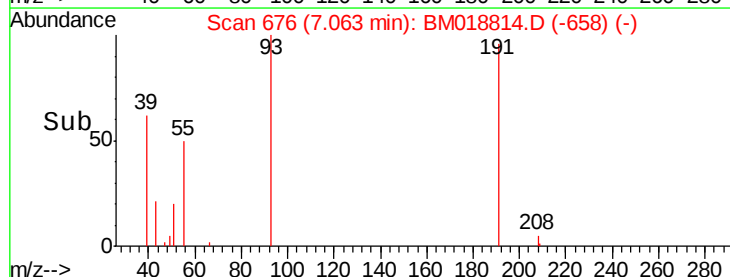
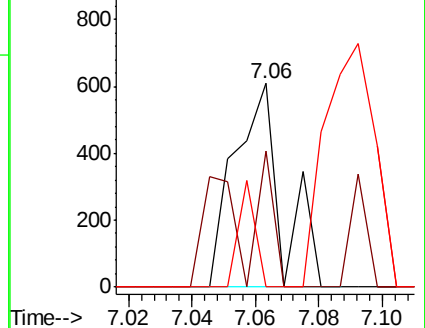
65 0.0 16.6 24.8#



Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 130.804 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

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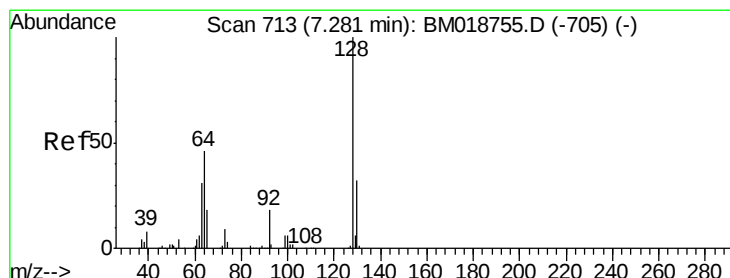
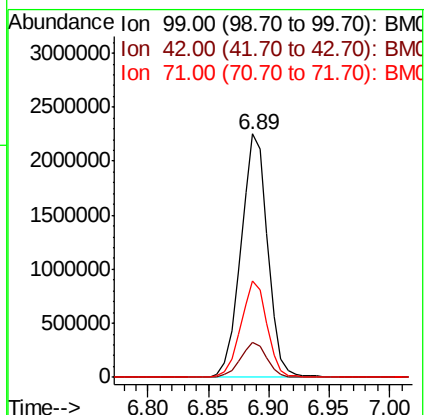
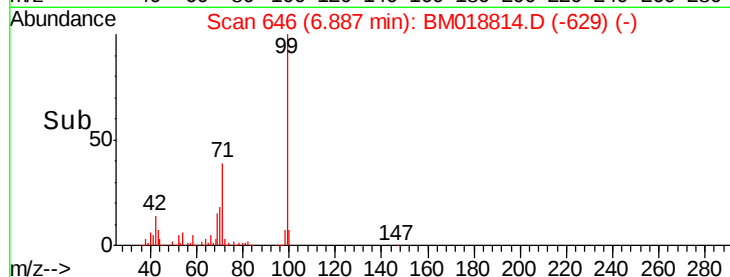
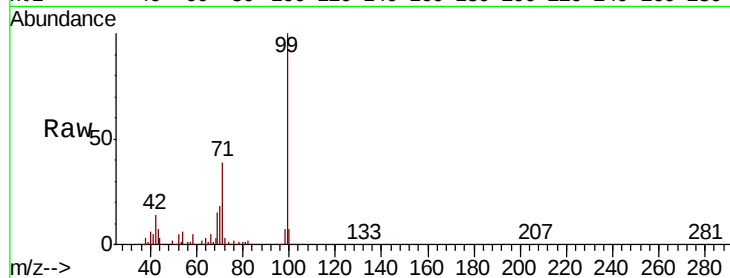
Tgt Ion: 99 Resp: 3479503

Ion Ratio Lower Upper

99 100

42 14.3 11.0 16.6

71 39.4 31.3 46.9



#8

2-Chlorophenol

Concen: 0.026 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

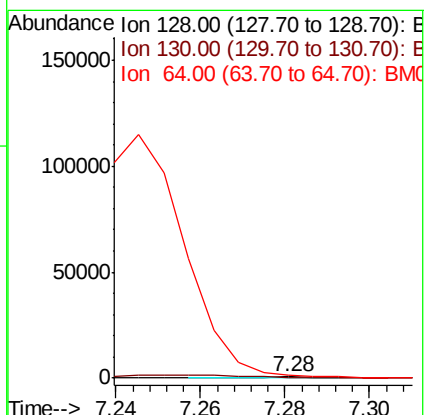
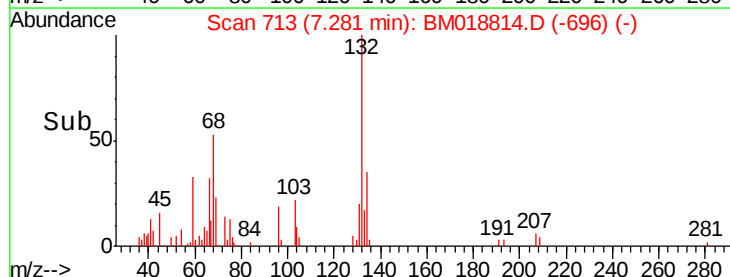
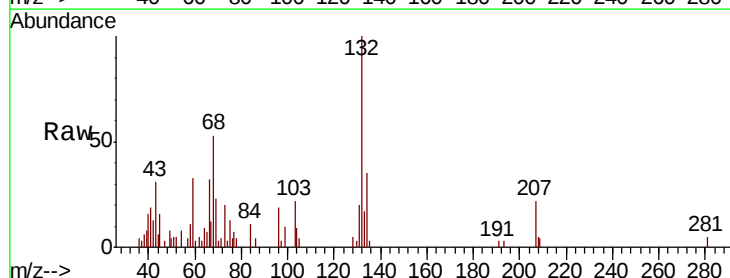
Tgt Ion: 128 Resp: 549

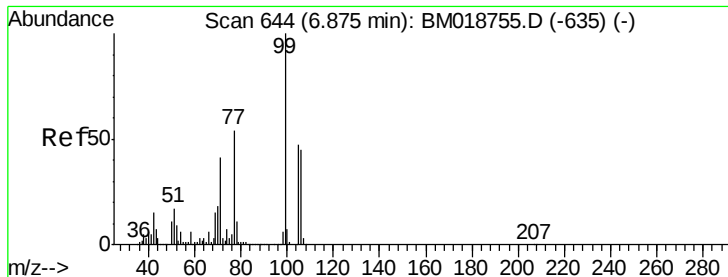
Ion Ratio Lower Upper

128 100

130 59.3 11.7 51.7#

64 181.4 31.0 71.0#





#9

Benzaldehyde

Concen: Below Cal

RT: 6.86 min Scan# 641

Delta R.T. -0.02 min

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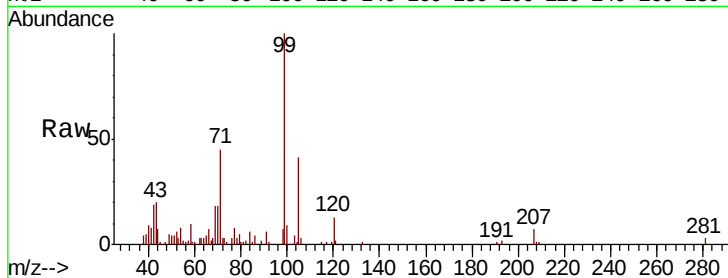
Tgt Ion: 77 Resp: 2599

Ion Ratio Lower Upper

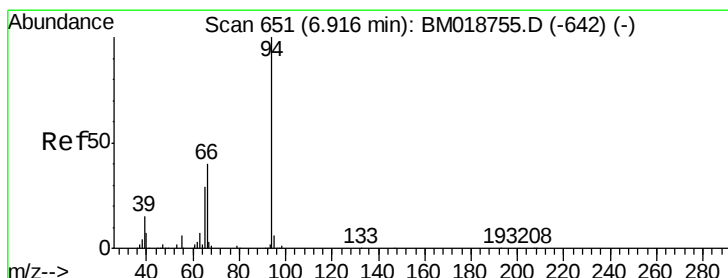
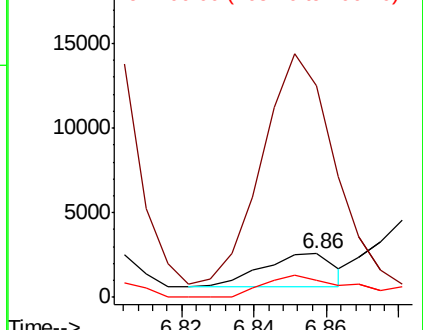
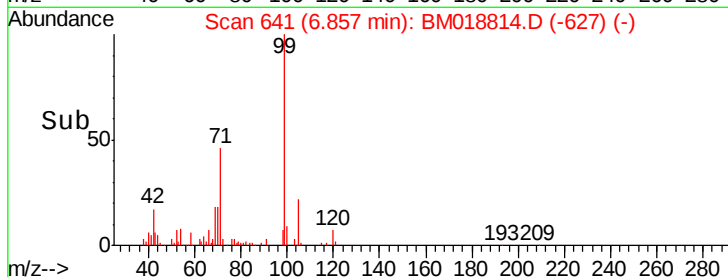
77 100

105 487.3 67.3 107.3#

106 39.9 62.9 102.9#



Abundance Ion 77.00 (76.70 to 77.70): BM018814.D (-627) (-)



#10

Phenol

Concen: 0.189 ng

RT: 6.92 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

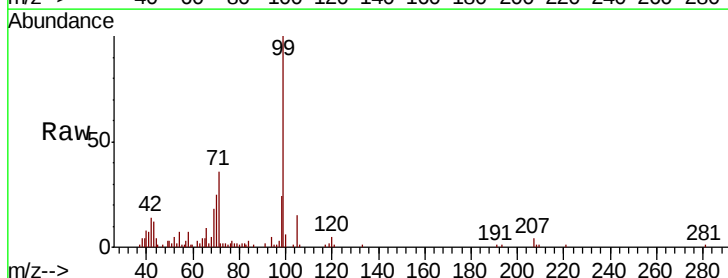
Tgt Ion: 94 Resp: 5299

Ion Ratio Lower Upper

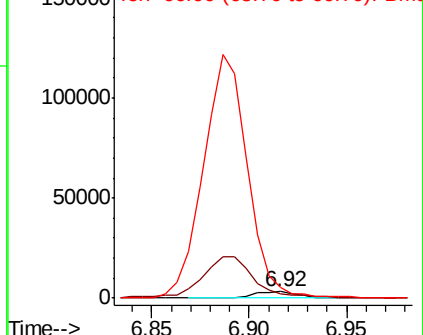
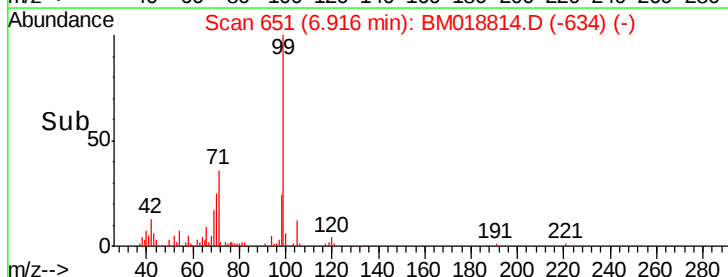
94 100

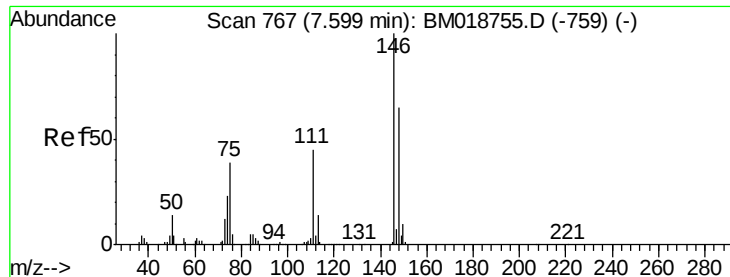
65 67.6 9.6 49.6#

66 170.6 20.4 60.4#



Abundance Ion 94.00 (93.70 to 94.70): BM018814.D (-634) (-)





#12

1,3-Dichlorobenzene

Concen: 0.036 ng

RT: 7.60 min Scan# 767

Delta R.T. -0.00 min

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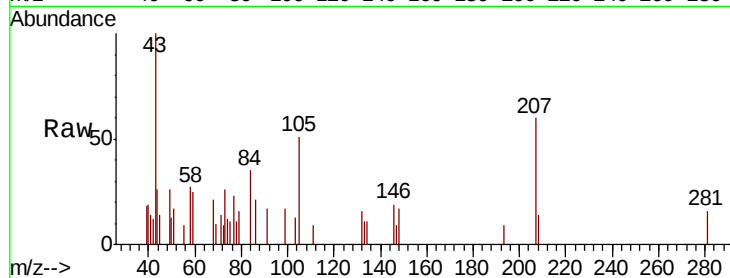
Tgt Ion:146 Resp: 830

Ion Ratio Lower Upper

146 100

148 92.0 51.7 77.5#

75 55.8 31.3 46.9#

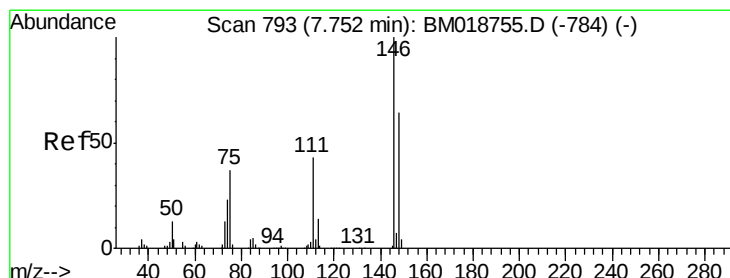
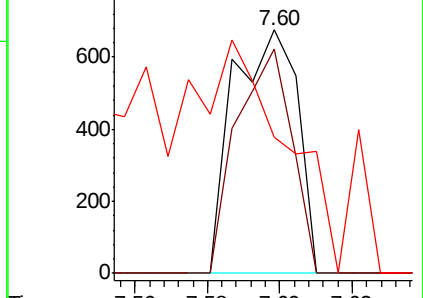
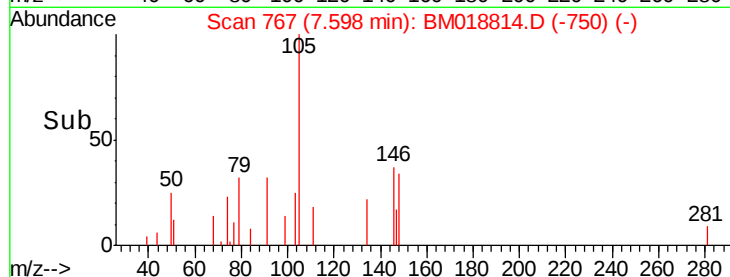


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): E

Time-->



#13

1,4-Dichlorobenzene

Concen: 0.040 ng

RT: 7.75 min Scan# 792

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

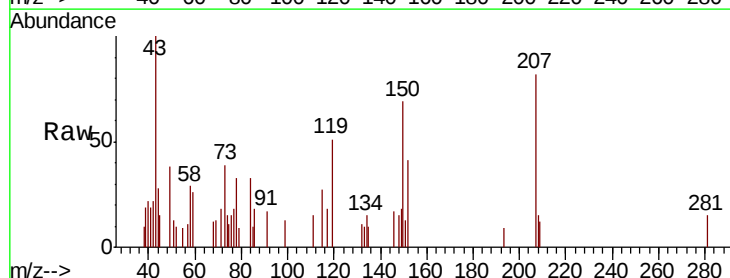
Tgt Ion:146 Resp: 956

Ion Ratio Lower Upper

146 100

148 86.4 51.4 77.2#

111 86.2 34.6 52.0#

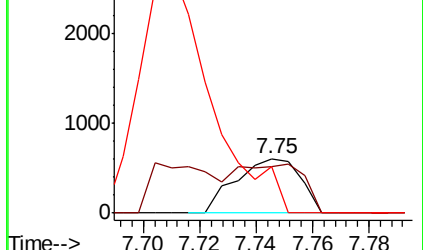
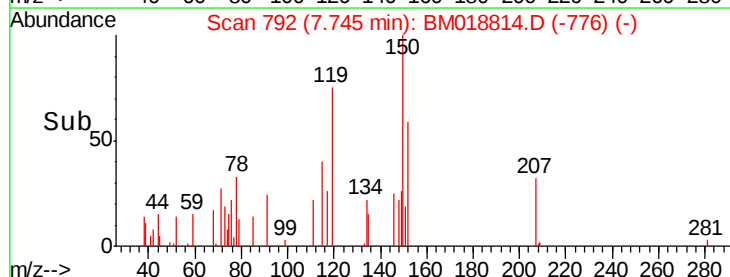


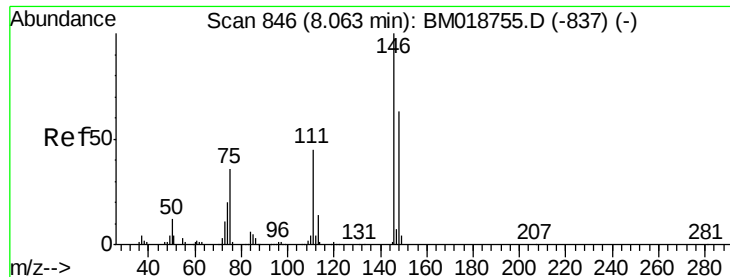
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

Time-->

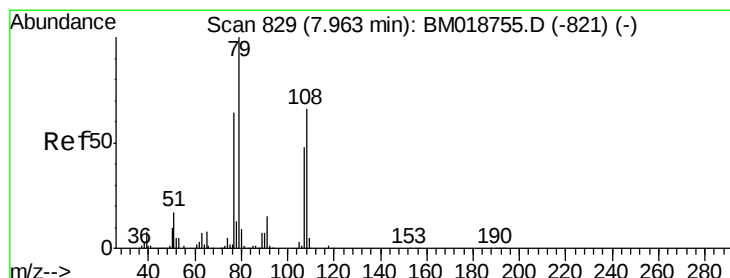
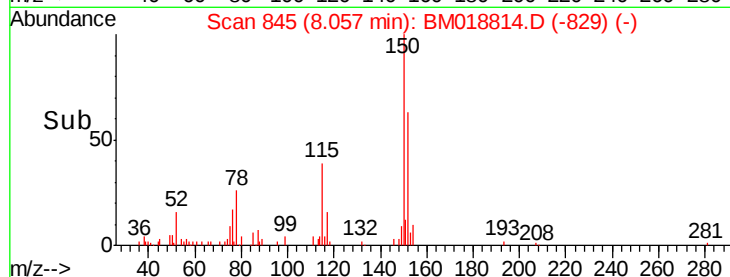
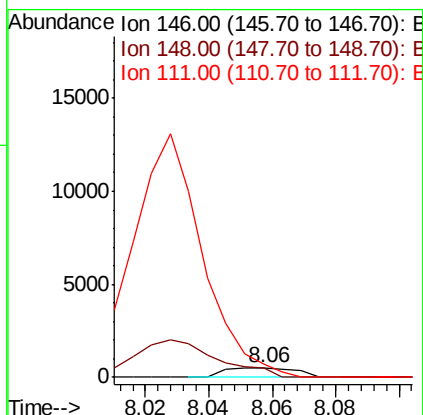
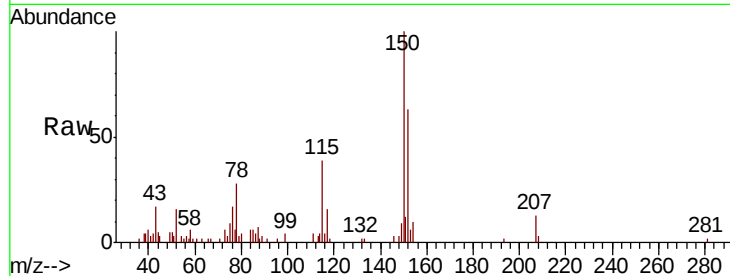




#14
 1,2-Dichlorobenzene
 Concen: 0.035 ng
 RT: 8.06 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BM018814.D
 Acq: 13 Feb 2019 22:38

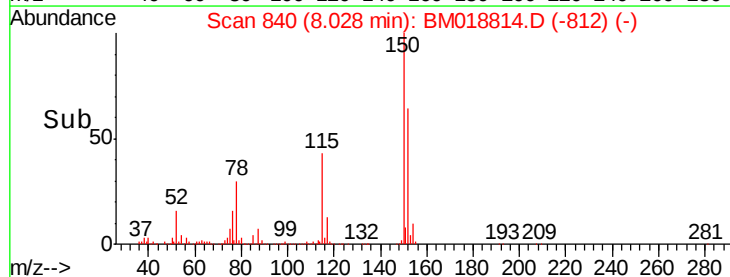
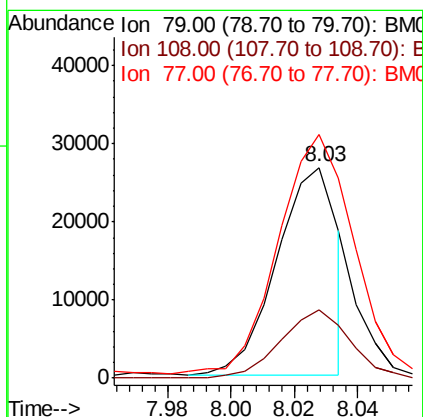
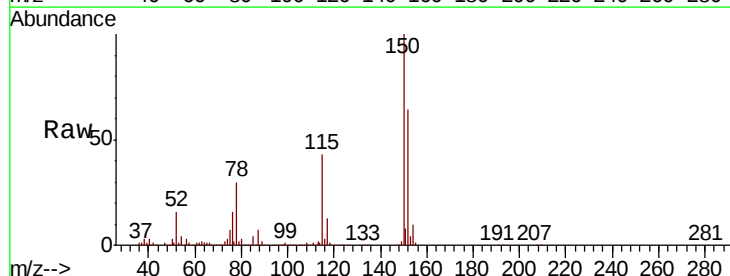
Instrument :
 BNA_M
 ClientSampleId :
 IDW-LIQUID-02

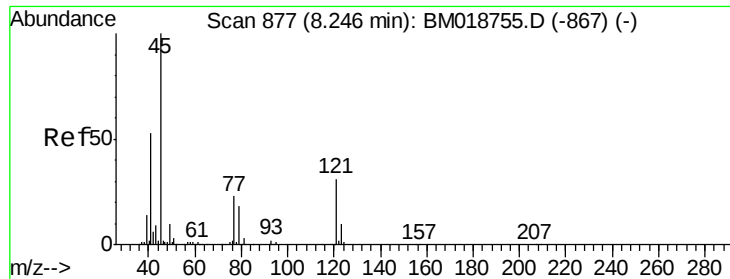
Tgt Ion: 146 Resp: 805
 Ion Ratio Lower Upper
 146 100
 148 94.1 50.7 76.1#
 111 137.7 35.9 53.9#



#15
 Benzyl Alcohol
 Concen: 1.675 ng
 RT: 8.03 min Scan# 840
 Delta R.T. 0.06 min
 Lab File: BM018814.D
 Acq: 13 Feb 2019 22:38

Tgt Ion: 79 Resp: 35395
 Ion Ratio Lower Upper
 79 100
 108 32.4 52.7 79.1#
 77 115.7 51.0 76.4#

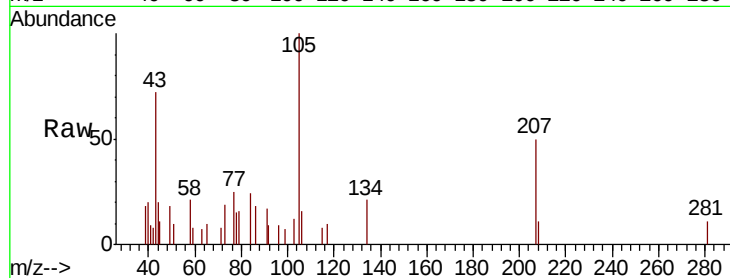




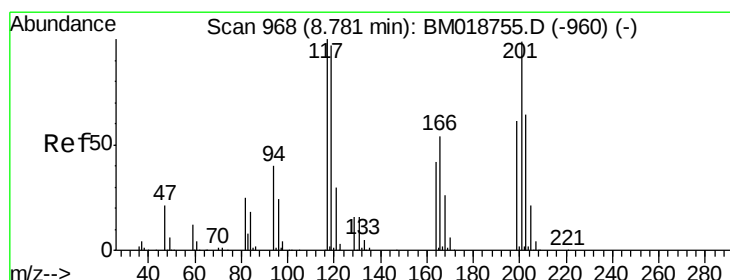
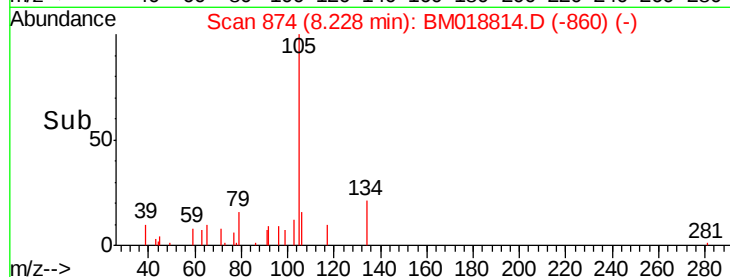
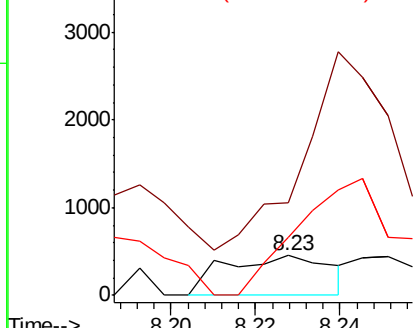
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.038 ng
RT: 8.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

Tgt Ion: 45 Resp: 793
Ion Ratio Lower Upper
45 100
77 231.7 5.0 45.0#
79 146.3 0.0 39.3#

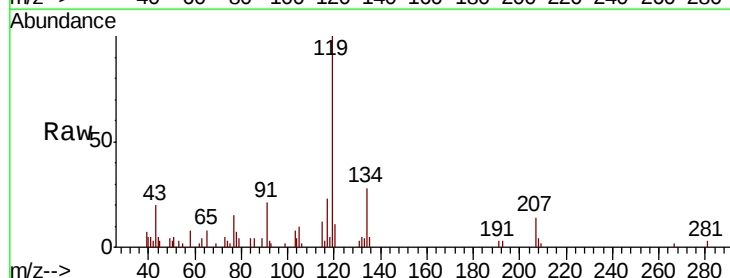


Abundance Ion 45.00 (44.70 to 45.70): BM0
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

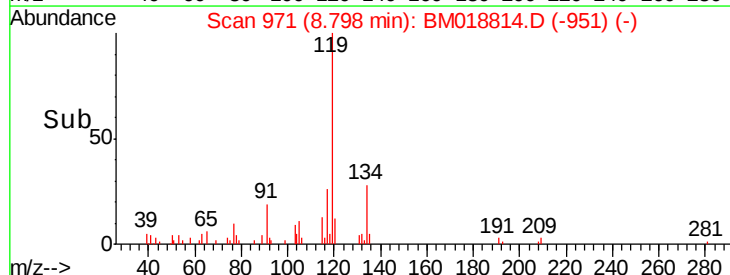
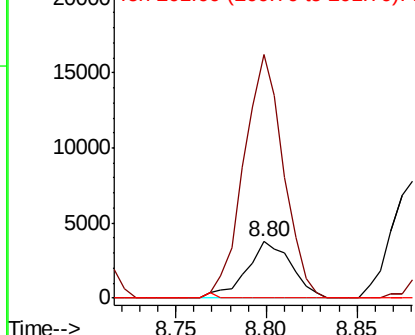


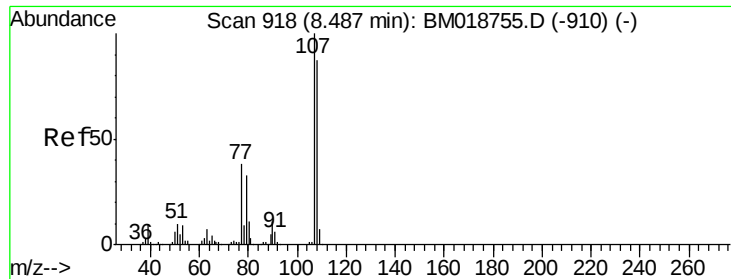
#18
Hexachloroethane
Concen: 0.744 ng
RT: 8.80 min Scan# 971
Delta R.T. 0.02 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion: 117 Resp: 6445
Ion Ratio Lower Upper
117 100
119 432.8 77.9 116.9#
201 0.0 79.2 118.8#



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

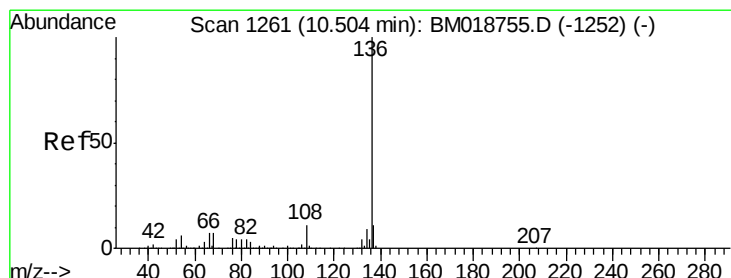
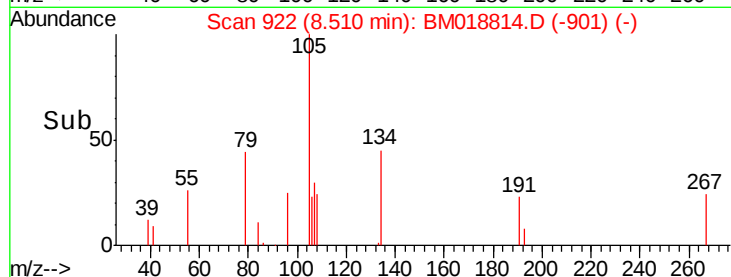
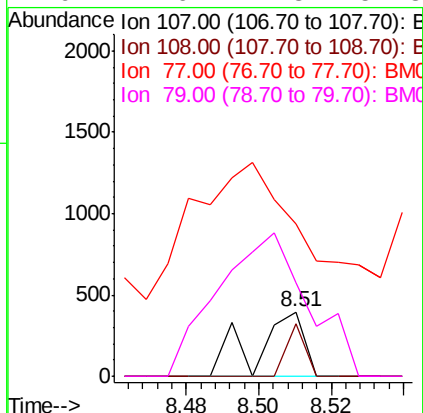
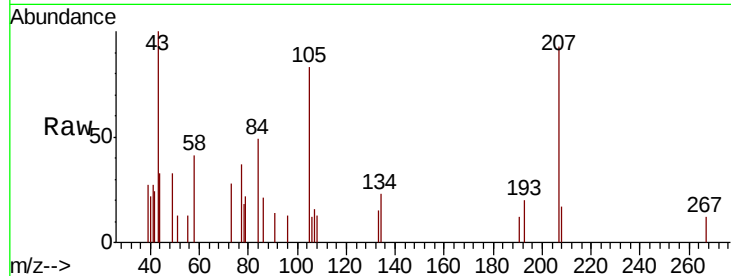




#20
3+4-Methylphenols
Concen: 0.015 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.02 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

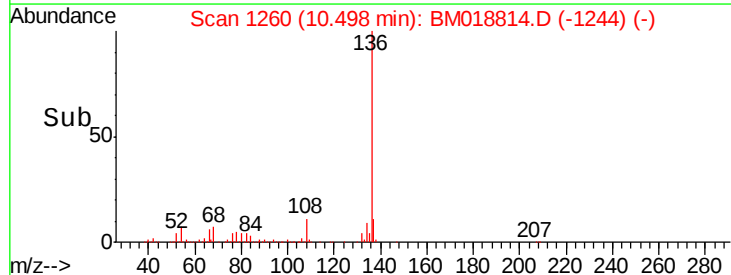
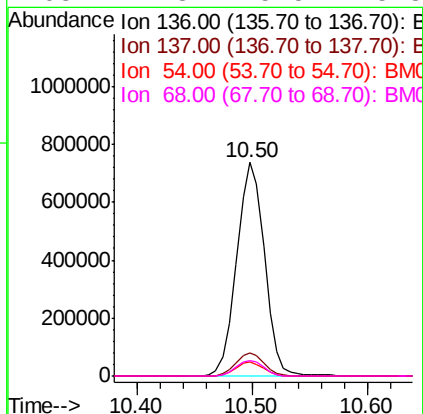
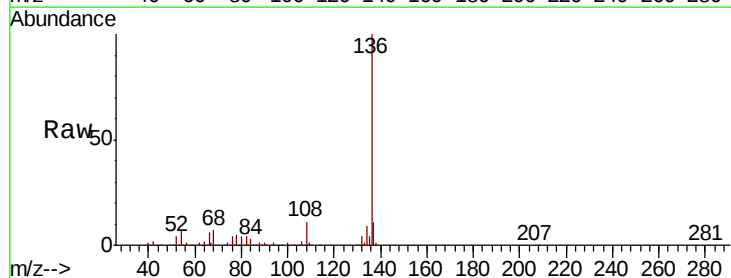
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

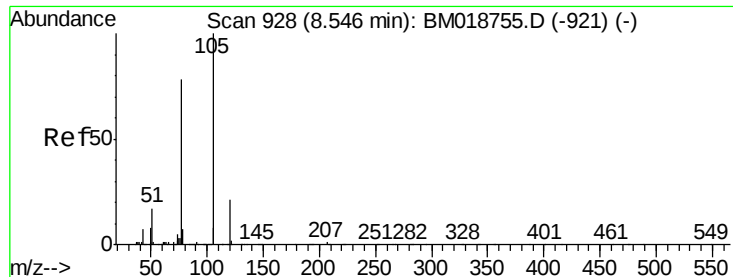
Tgt Ion:	107	Resp:	369
Ion	Ratio	Lower	Upper
107	100		
108	81.1	67.3	107.3
77	235.8	18.0	58.0#
79	144.6	12.8	52.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:	136	Resp:	1229844
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.6	5.0	7.6
68	7.3	5.5	8.3





#22

Acetophenone

Concen: 0.022 ng

RT: 8.55 min Scan# 928

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

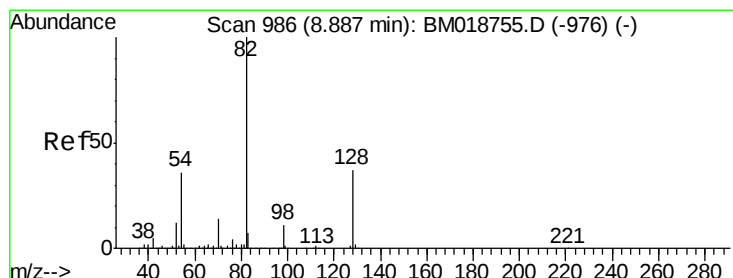
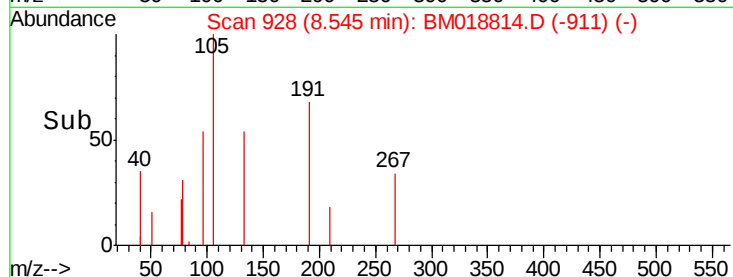
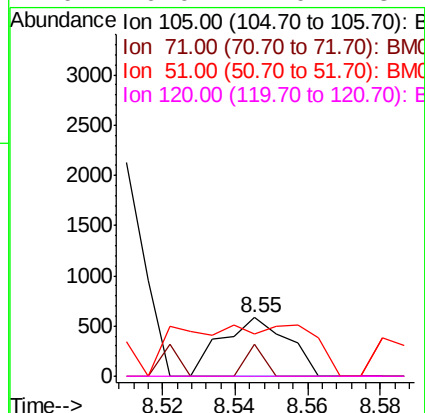
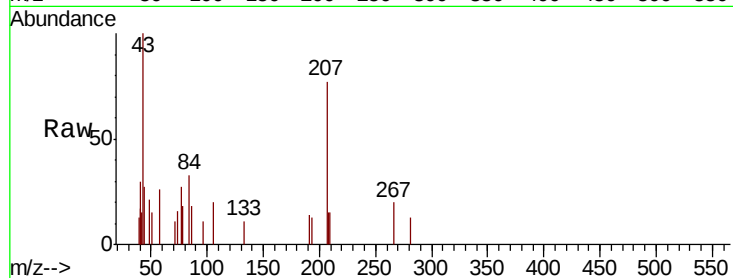
Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

Tgt Ion:	105	Resp:	743
Ion Ratio	Lower	Upper	
105	100		
71	54.7	1.1	1.7#
51	72.7	15.5	23.3#
120	0.0	17.0	25.4#



#23

Nitrobenzene-d5

Concen: 99.890 ng

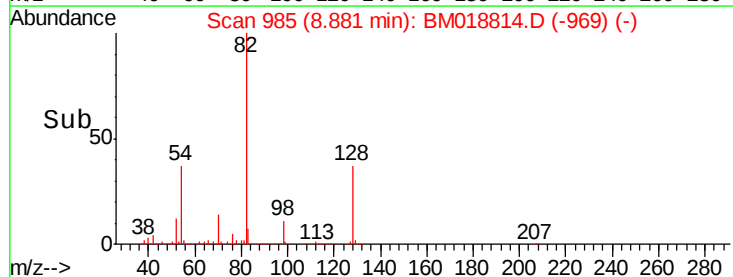
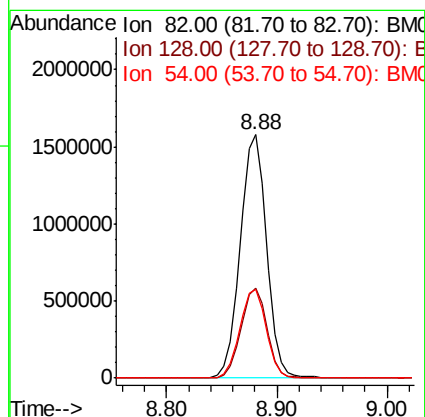
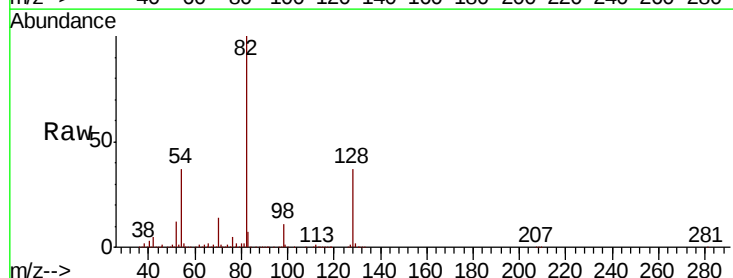
RT: 8.88 min Scan# 985

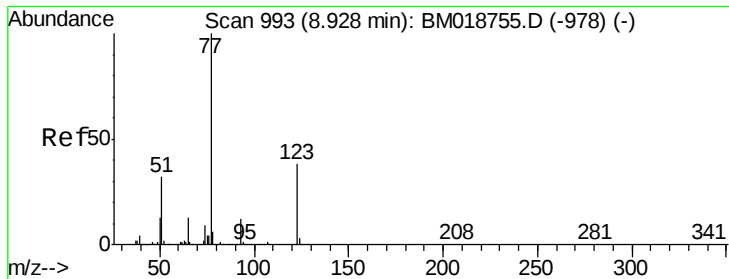
Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Tgt Ion:	82	Resp:	2656842
Ion Ratio	Lower	Upper	
82	100		
128	37.0	29.9	44.9
54	36.6	29.1	43.7

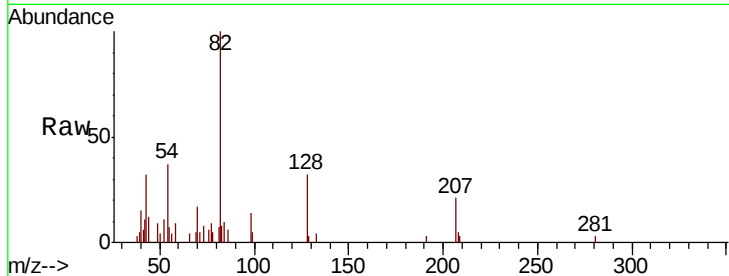




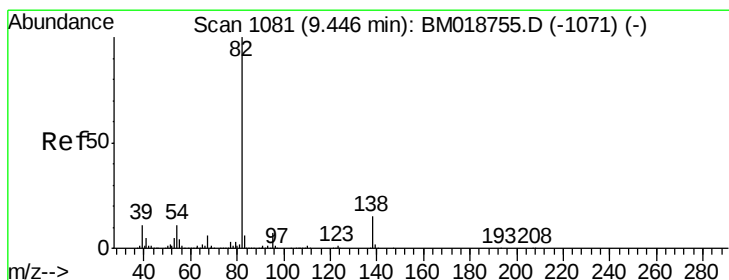
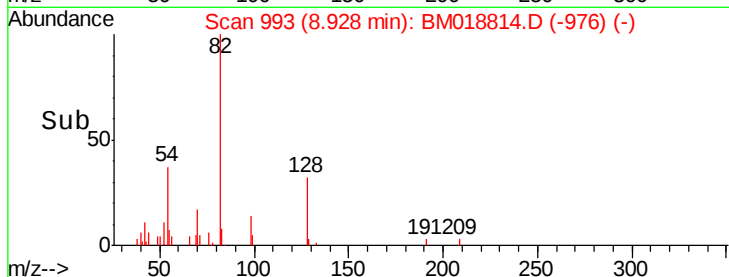
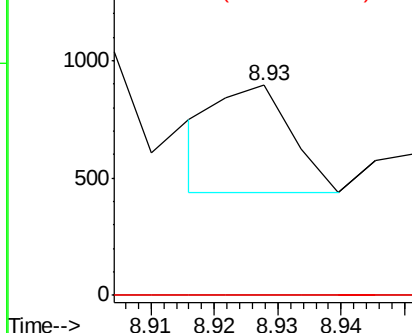
#24
Nitrobenzene
Concen: 0.013 ng
RT: 8.93 min Scan# 993
Delta R.T. -0.00 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

Tgt Ion: 77 Resp: 367
Ion Ratio Lower Upper
77 100
123 0.0 30.7 46.1#
65 0.0 10.5 15.7#

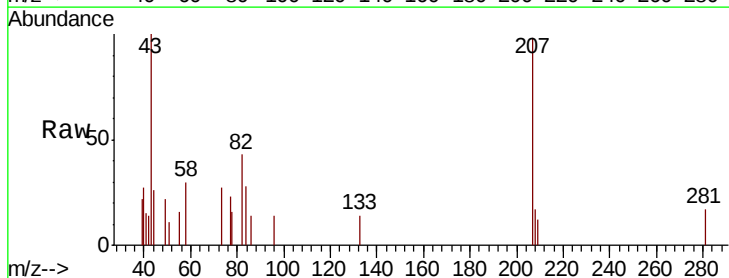


Abundance Ion 77.00 (76.70 to 77.70): BM018814.D (-976) (-)
Ion 123.00 (122.70 to 123.70): BM018814.D (-976) (-)
Ion 65.00 (64.70 to 65.70): BM018814.D (-976) (-)

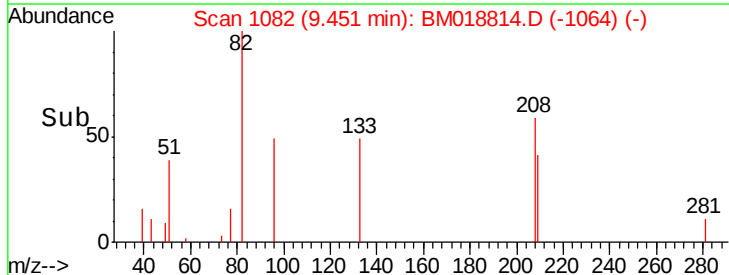
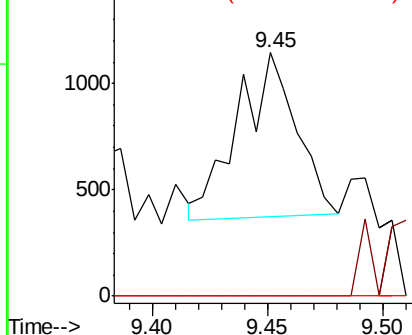


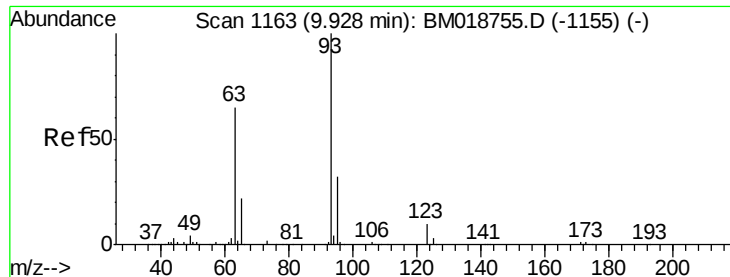
#25
Isophorone
Concen: 0.032 ng
RT: 9.45 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion: 82 Resp: 1362
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BM018814.D (-1064) (-)
Ion 95.00 (94.70 to 95.70): BM018814.D (-1064) (-)
Ion 138.00 (137.70 to 138.70): BM018814.D (-1064) (-)

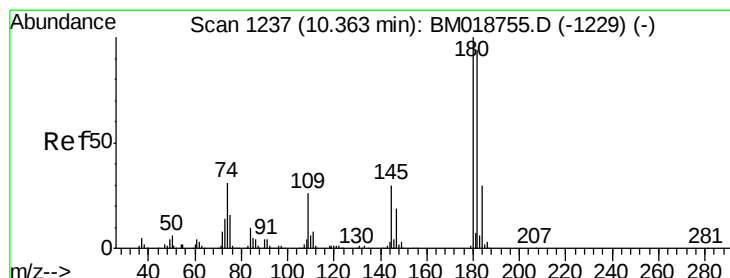
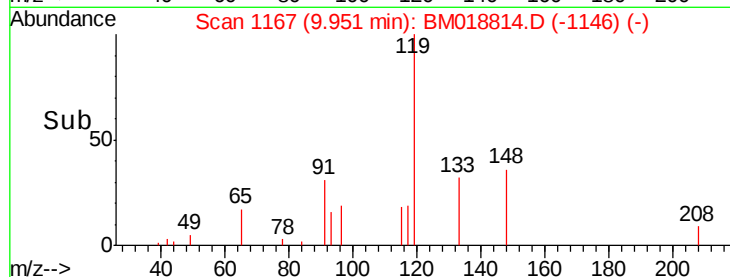
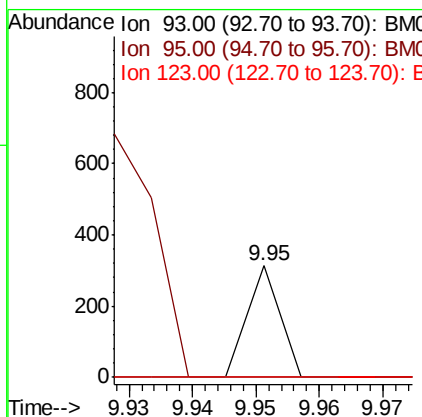
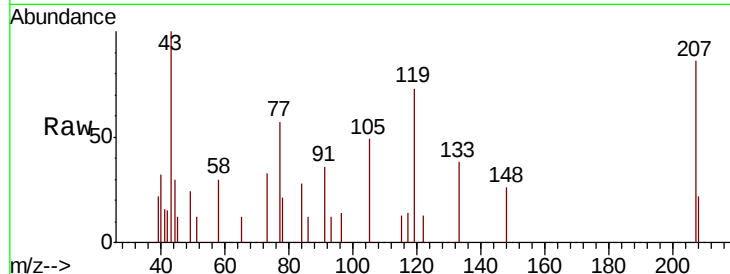




#28
bis(2-Chloroethoxy)methane
Concen: 0.004 ng
RT: 9.95 min Scan# 1167
Delta R.T. 0.02 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

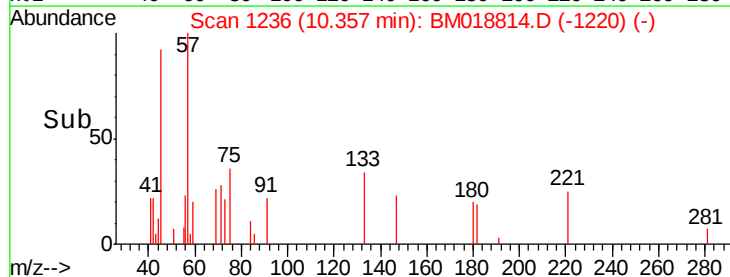
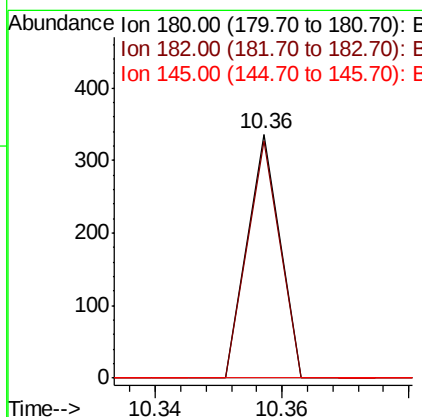
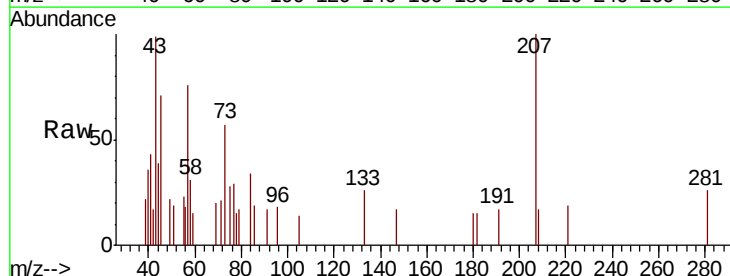
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

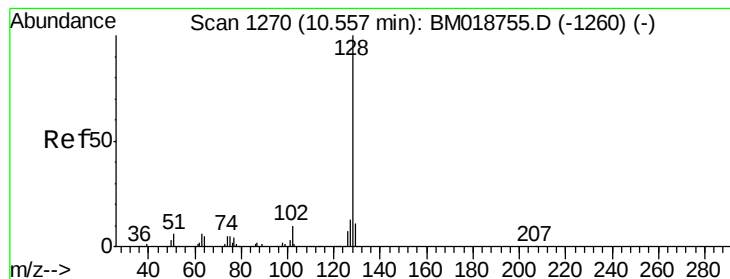
Tgt Ion: 93 Resp: 110
Ion Ratio Lower Upper
93 100
95 0.0 25.6 38.4#
123 0.0 8.2 12.4#



#30
1,2,4-Trichlorobenzene
Concen: 0.006 ng
RT: 10.36 min Scan# 1236
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion: 180 Resp: 119
Ion Ratio Lower Upper
180 100
182 97.3 75.0 112.6
145 0.0 24.1 36.1#





#31

Naphthalene

Concen: 0.068 ng

RT: 10.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

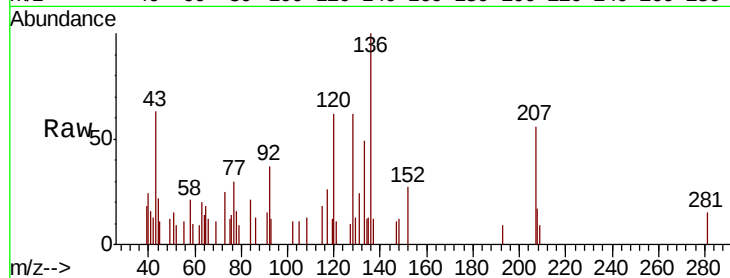
Tgt Ion:128 Resp: 4081

Ion Ratio Lower Upper

128 100

129 20.3 9.0 13.4#

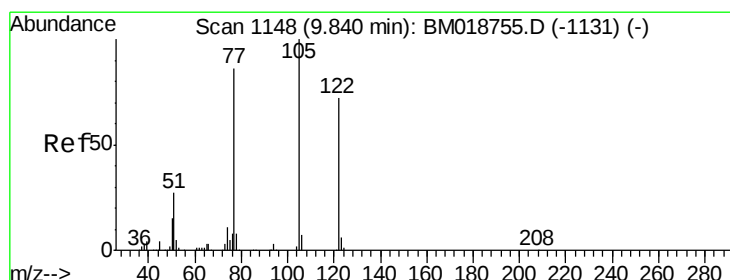
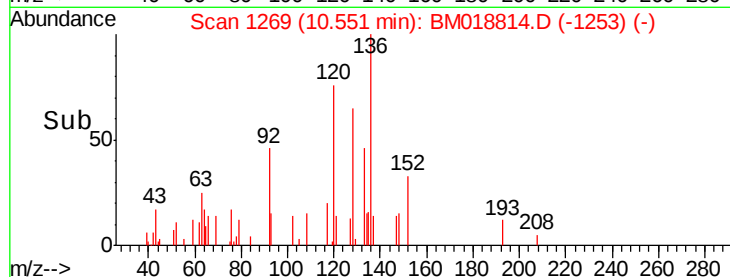
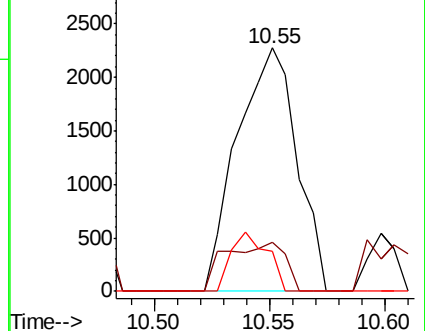
127 16.5 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.660 ng

RT: 9.77 min Scan# 1136

Delta R.T. -0.07 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

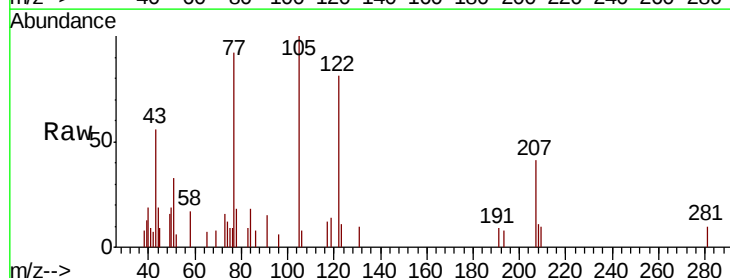
Tgt Ion:122 Resp: 9248

Ion Ratio Lower Upper

122 100

105 123.3 117.5 157.5

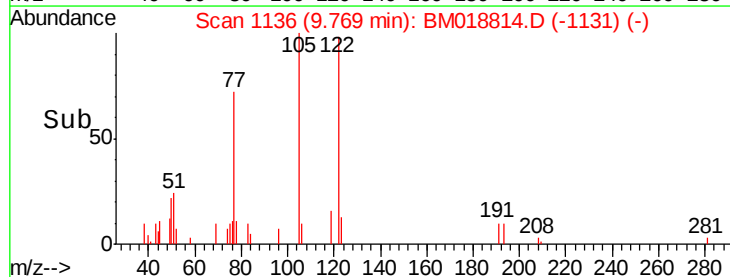
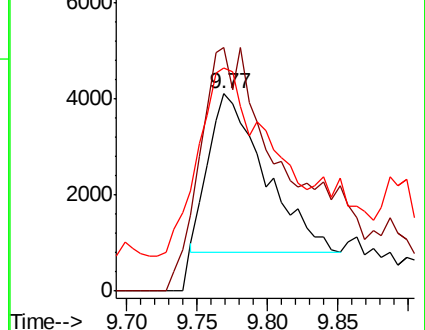
77 113.2 98.5 138.5

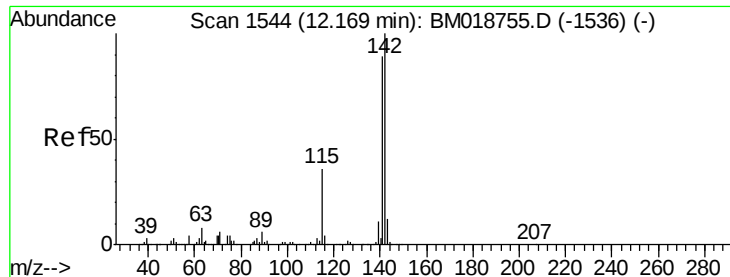


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

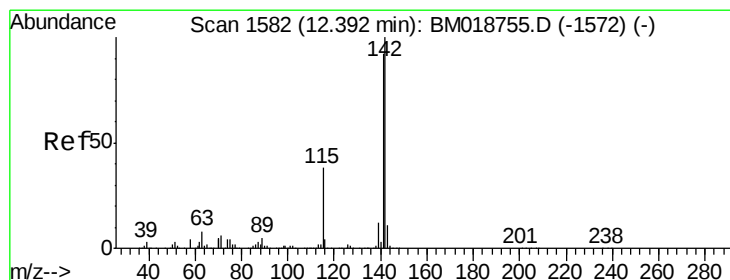
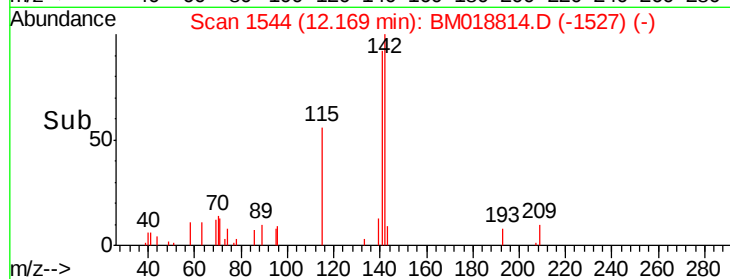
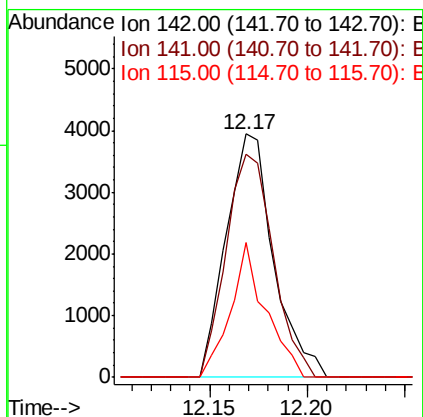
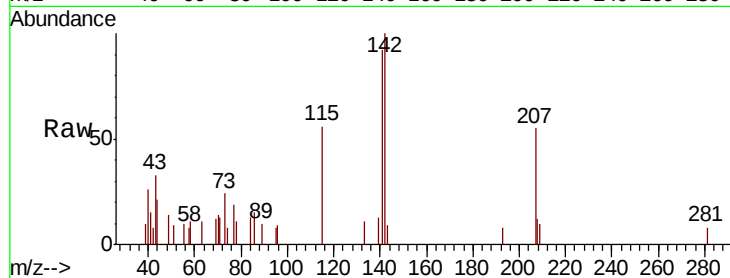




#37
2-Methylnaphthalene
Concen: 0.157 ng
RT: 12.17 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

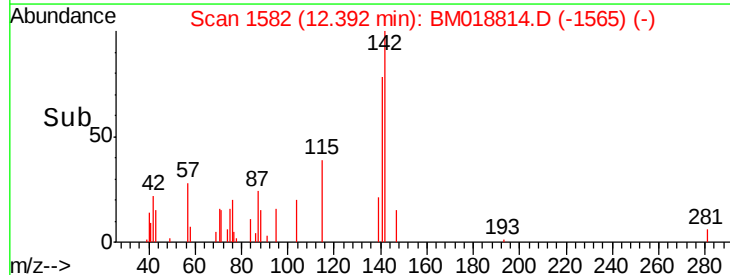
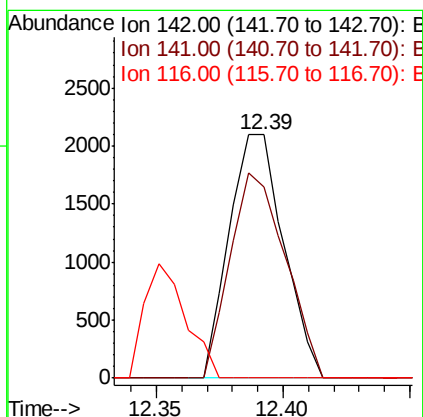
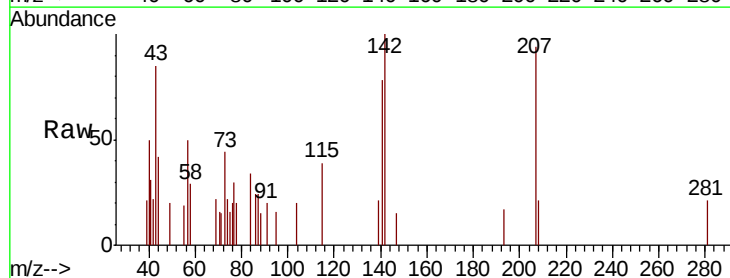
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

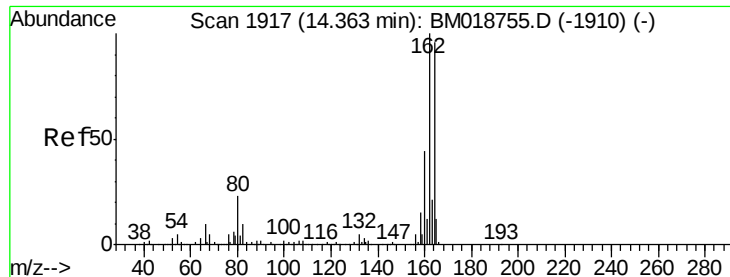
Tgt Ion:142 Resp: 6623
Ion Ratio Lower Upper
142 100
141 91.7 71.2 106.8
115 55.5 29.1 43.7#



#38
1-Methylnaphthalene
Concen: 0.076 ng
RT: 12.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:142 Resp: 3142
Ion Ratio Lower Upper
142 100
141 78.3 73.9 110.9
116 0.0 3.0 4.4#

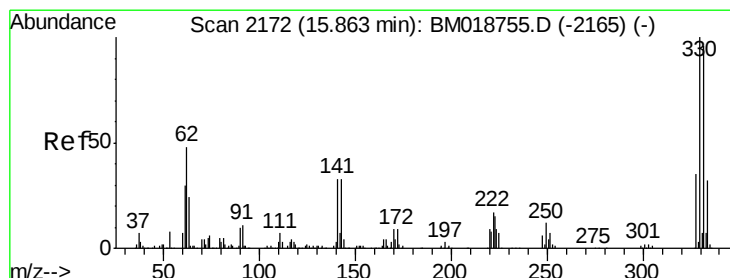
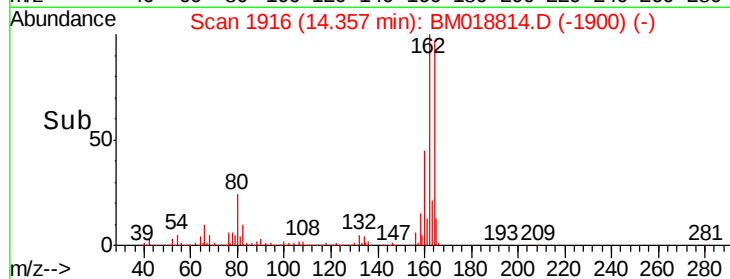
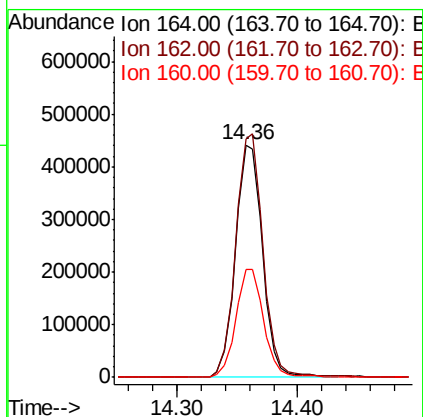
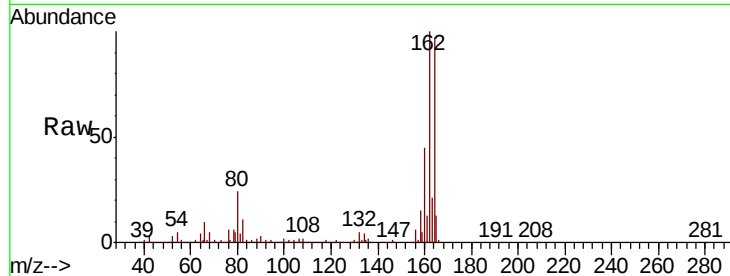




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.36 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

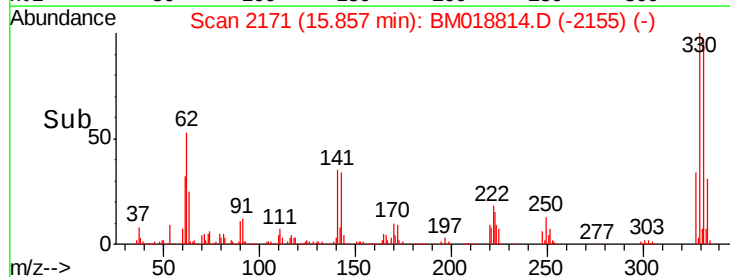
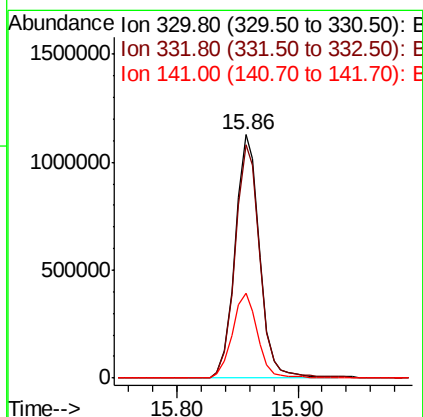
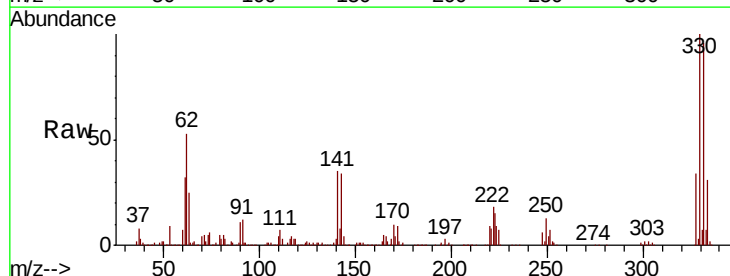
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

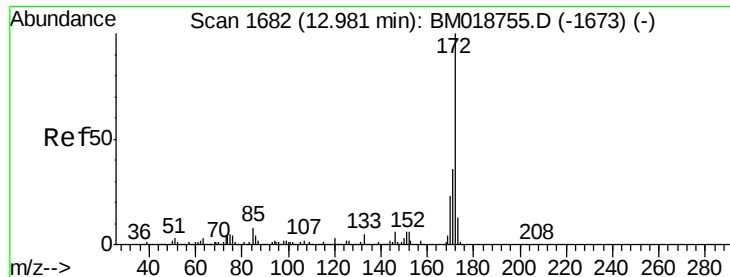
Tgt Ion:164 Resp: 692391
Ion Ratio Lower Upper
164 100
162 102.7 83.4 125.0
160 46.4 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 160.359 ng
RT: 15.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:330 Resp: 1600479
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 36.0 28.7 43.1

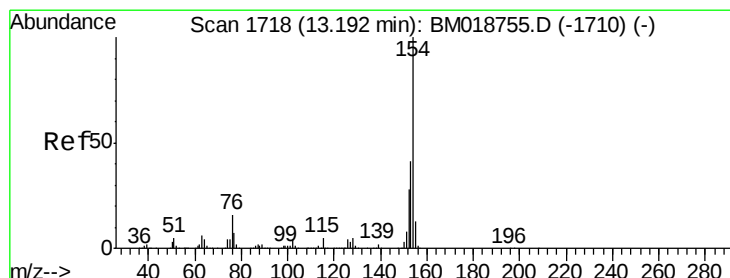
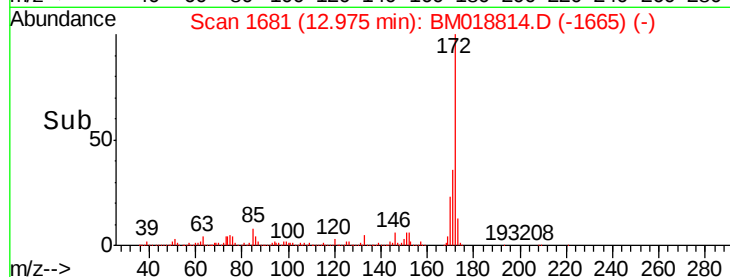
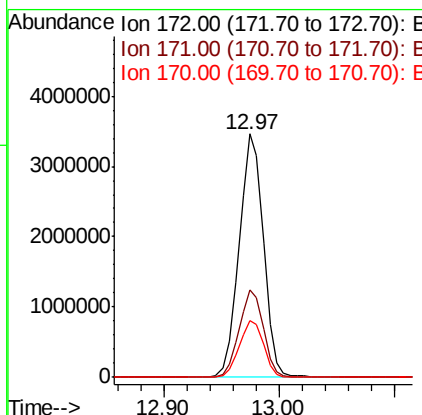
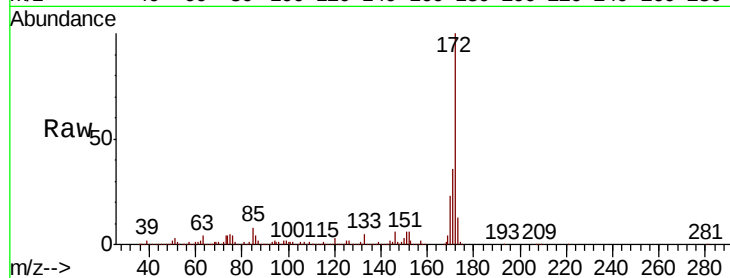




#45
2-Fluorobiphenyl
Concen: 96.635 ng
RT: 12.97 min Scan# 1681
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

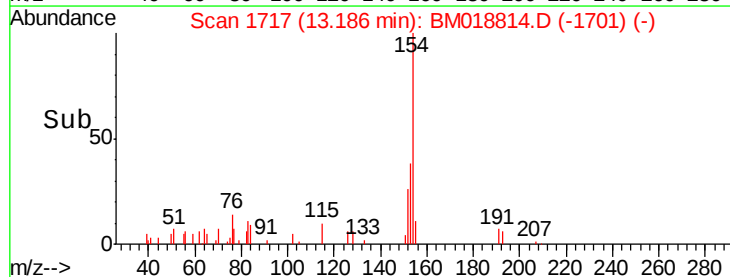
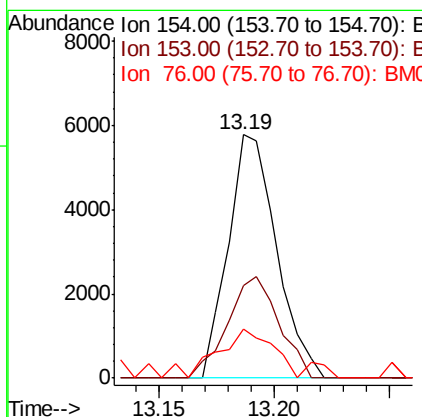
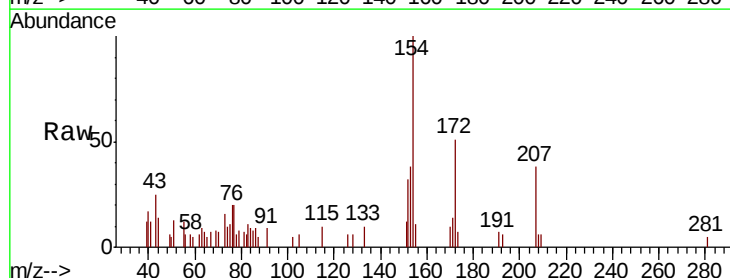
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

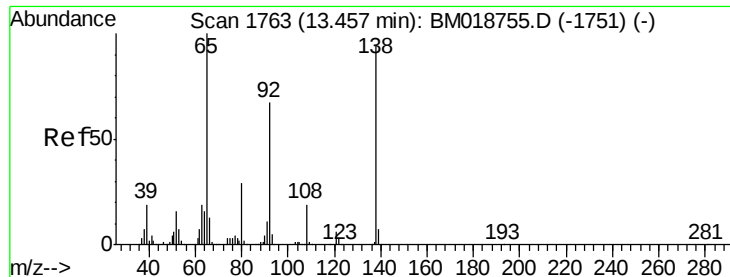
Tgt Ion:172 Resp: 5040337
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 0.141 ng
RT: 13.19 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:154 Resp: 8425
Ion Ratio Lower Upper
154 100
153 38.1 21.1 61.1
76 20.2 0.0 35.7

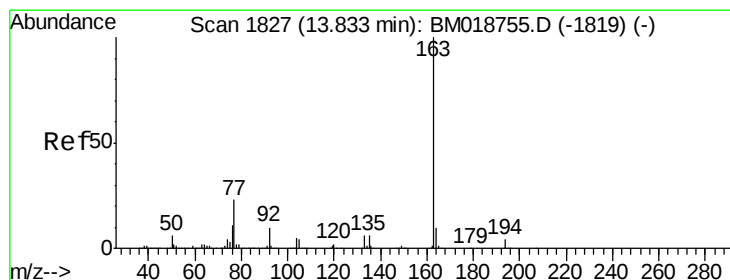
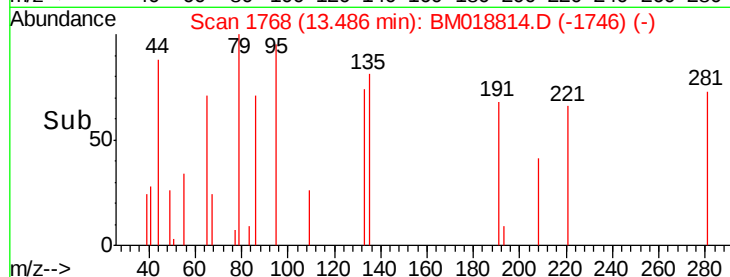
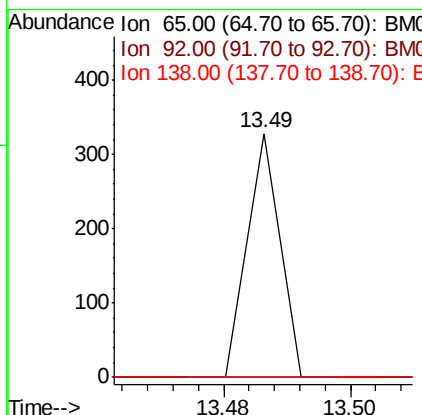
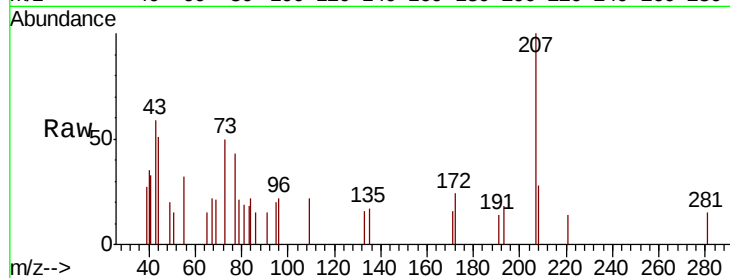




#48
2-Nitroaniline
Concen: 0.008 ng
RT: 13.49 min Scan# 1768
Delta R.T. 0.03 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

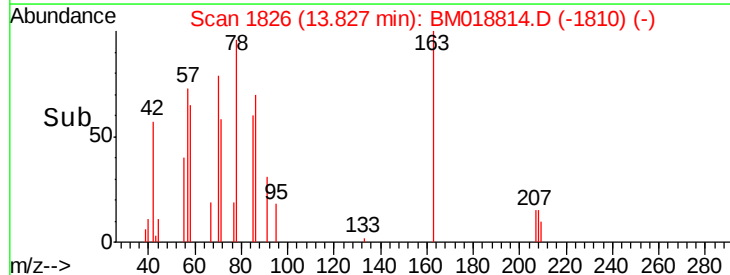
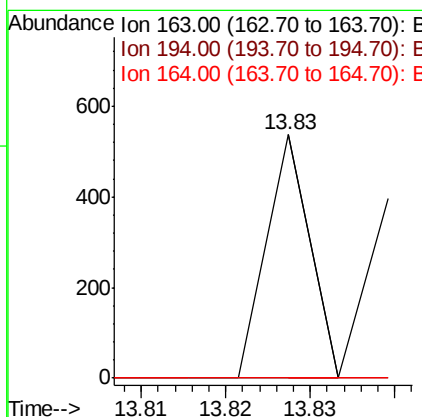
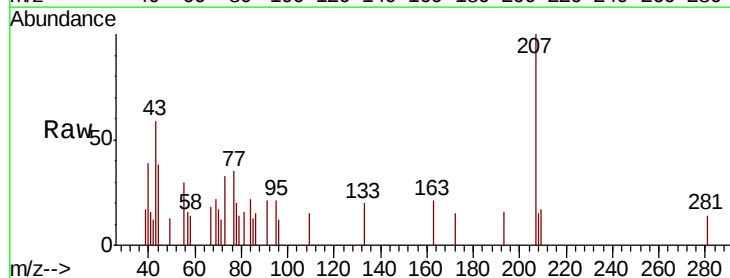
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

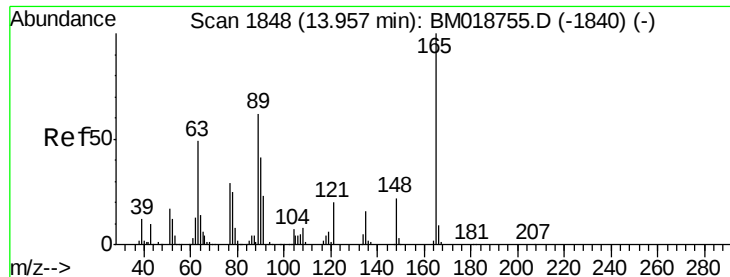
Tgt Ion: 65 Resp: 116
Ion Ratio Lower Upper
65 100
92 0.0 54.0 81.0#
138 0.0 74.9 112.3#



#50
Dimethylphthalate
Concen: 0.003 ng
RT: 13.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion: 163 Resp: 190
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 0.0 7.8 11.8#





#51

2,6-Dinitrotoluene

Concen: 0.010 ng

RT: 13.87 min Scan# 1834

Delta R.T. -0.08 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

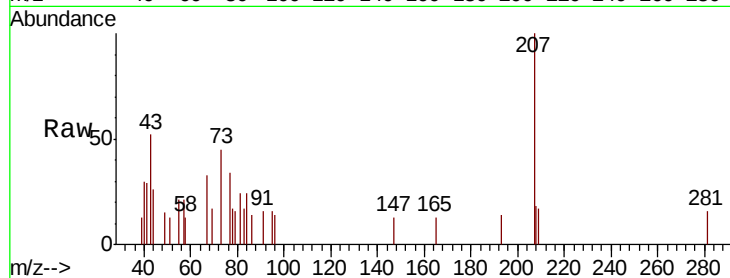
Tgt Ion:165 Resp: 122

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

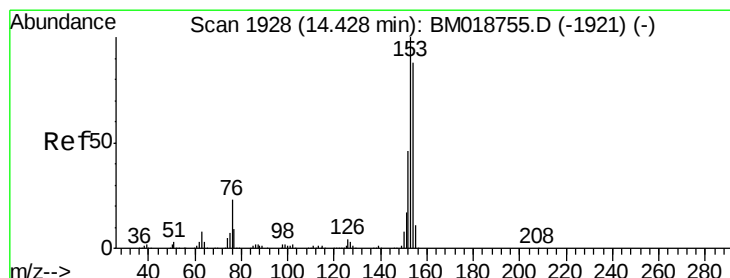
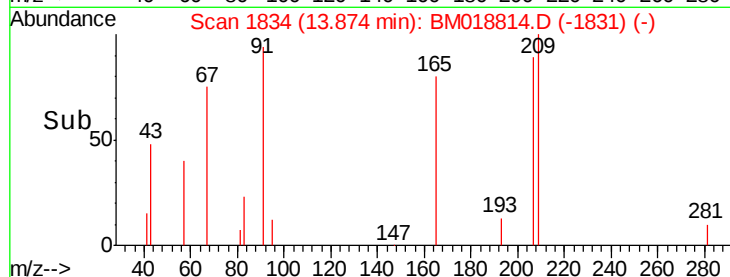
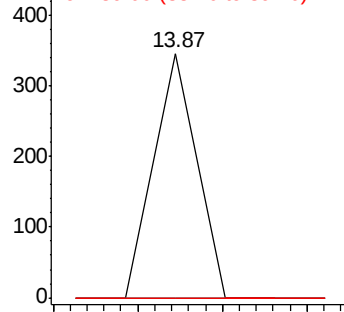
89 0.0 49.4 74.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 89.00 (88.70 to 89.70): BM



#52

Acenaphthene

Concen: 0.006 ng

RT: 14.42 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

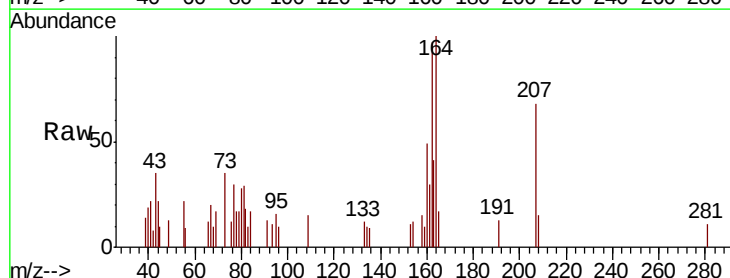
Tgt Ion:154 Resp: 260

Ion Ratio Lower Upper

154 100

153 95.2 91.3 136.9

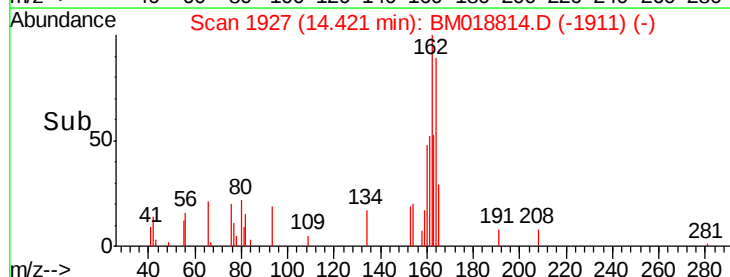
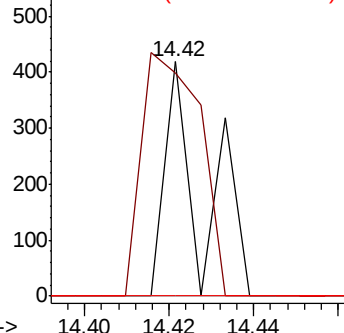
152 0.0 42.2 63.4#

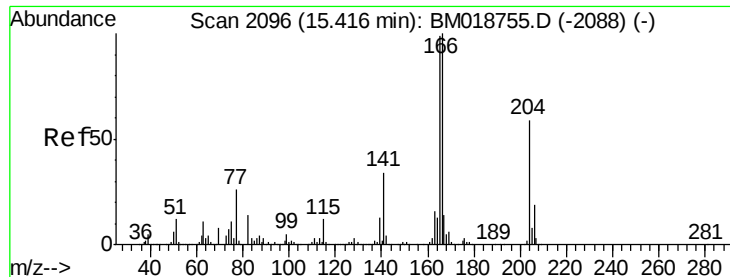


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 0.002 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

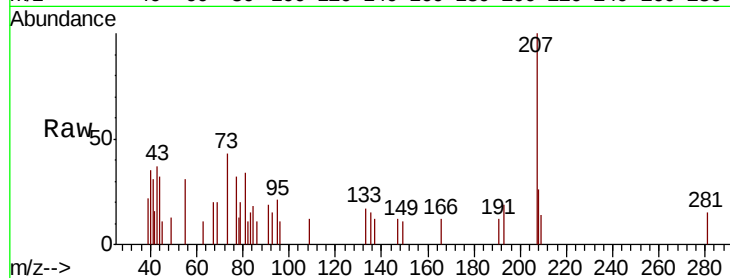
Tgt Ion:166 Resp: 119

Ion Ratio Lower Upper

166 100

165 0.0 79.1 118.7#

167 0.0 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

500

400

300

200

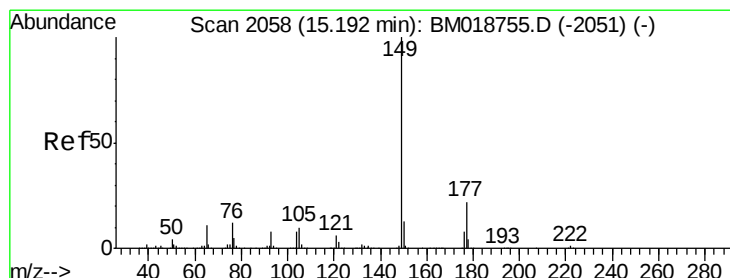
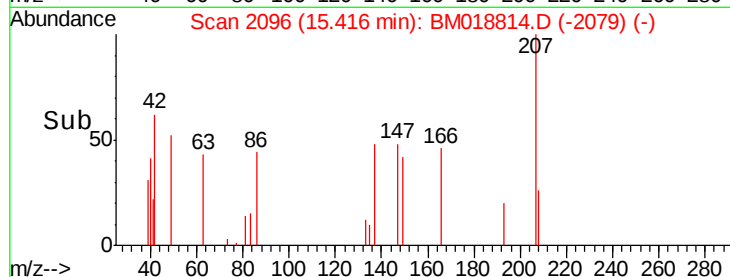
100

0

15.40

15.42

Time-->



#60

Diethylphthalate

Concen: 0.197 ng

RT: 15.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

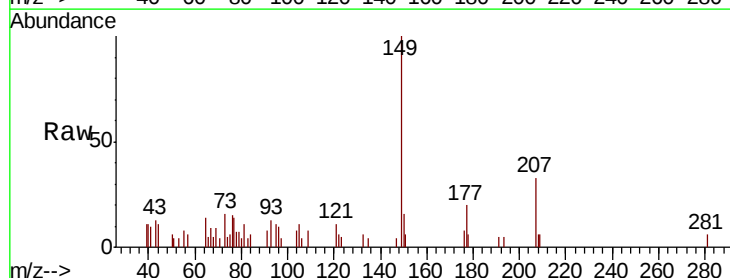
Tgt Ion:149 Resp: 11710

Ion Ratio Lower Upper

149 100

177 19.9 17.2 25.8

150 16.1 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

10000

8000

6000

4000

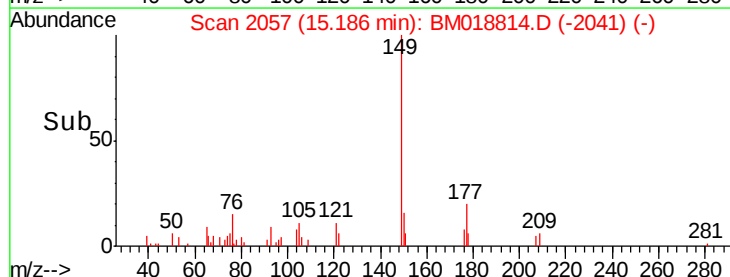
2000

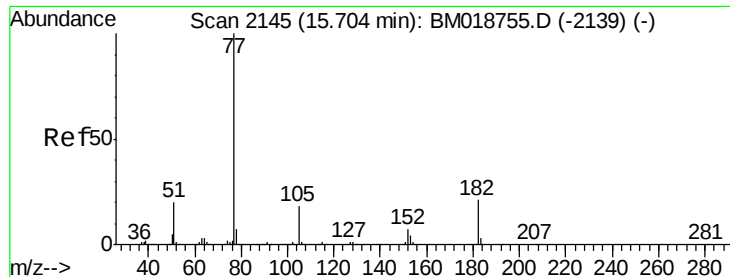
0

15.15

15.20

Time-->





#63

Azobenzene

Concen: 0.009 ng

RT: 15.70 min Scan# 2145

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

Tgt Ion: 77 Resp: 593

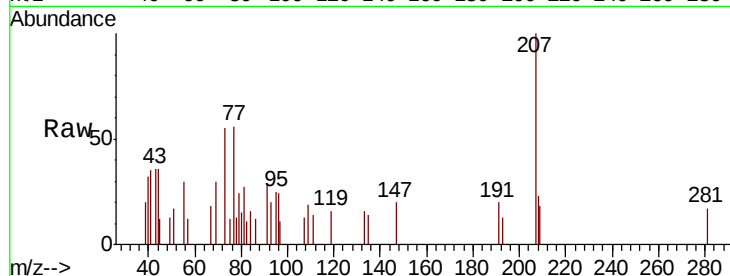
Ion Ratio Lower Upper

77 100

182 0.0 1.0 41.0#

105 0.0 0.0 37.7

51 30.9 0.3 40.3

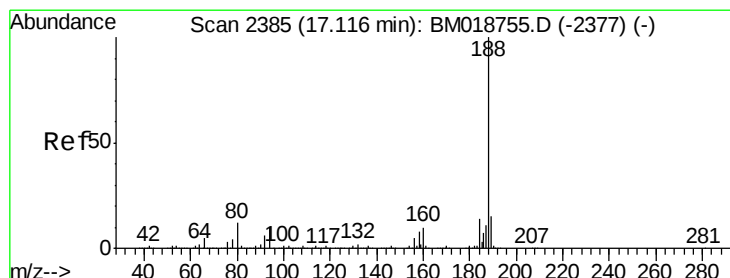
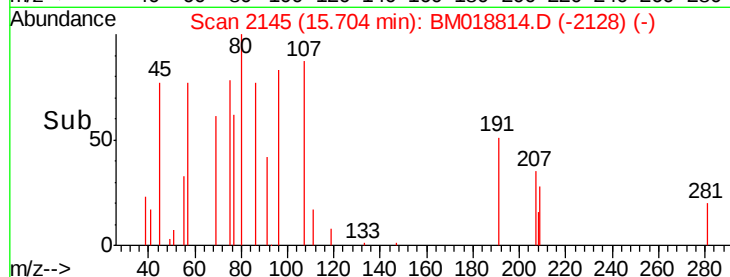
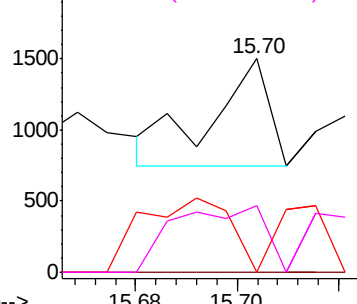


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

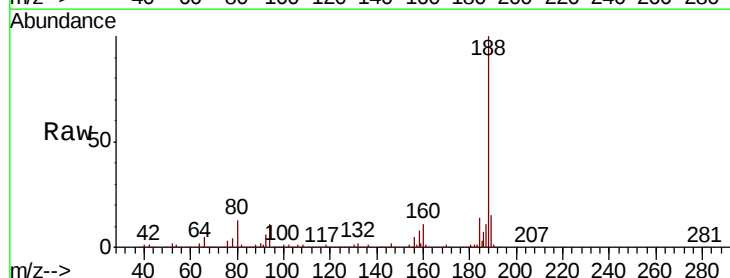
Tgt Ion: 188 Resp: 1606678

Ion Ratio Lower Upper

188 100

94 11.0 8.2 12.2

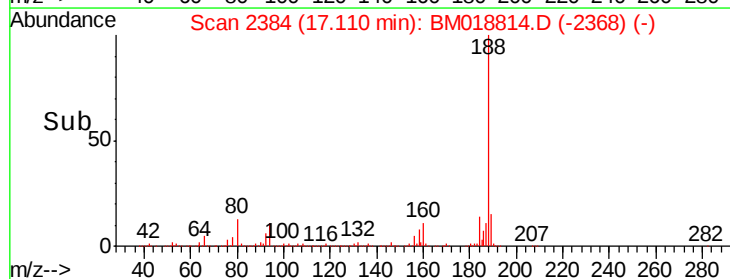
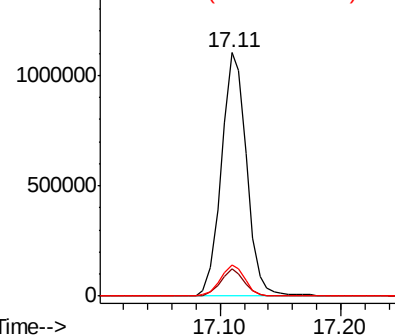
80 12.6 9.7 14.5

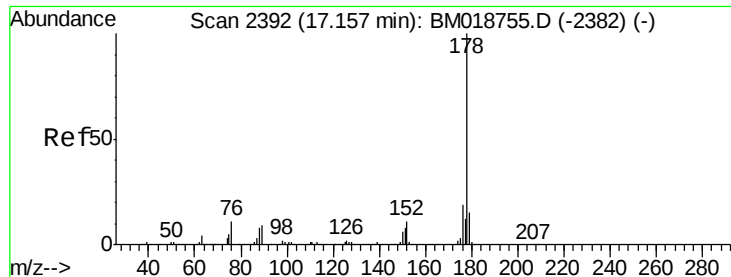


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

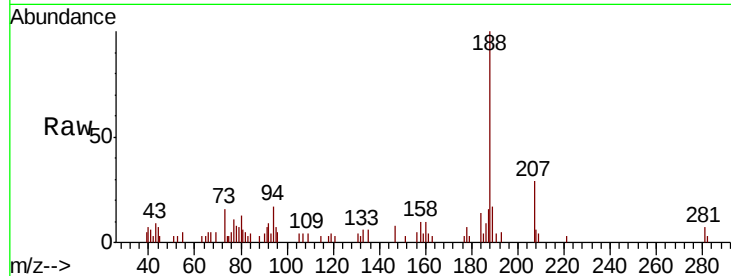




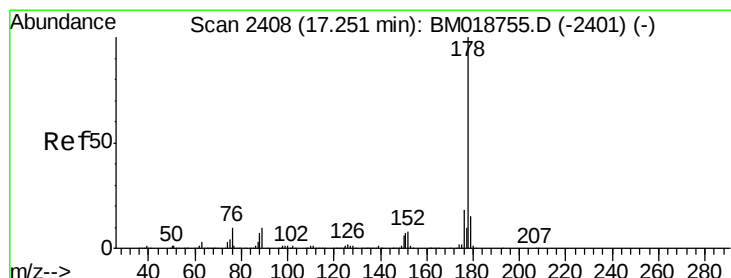
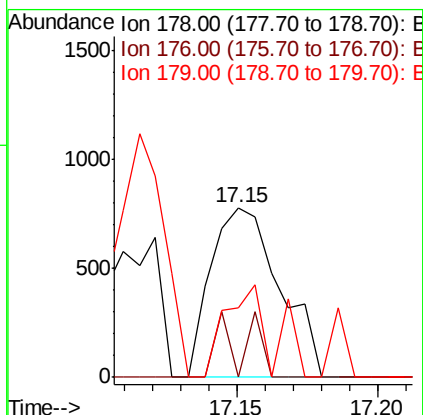
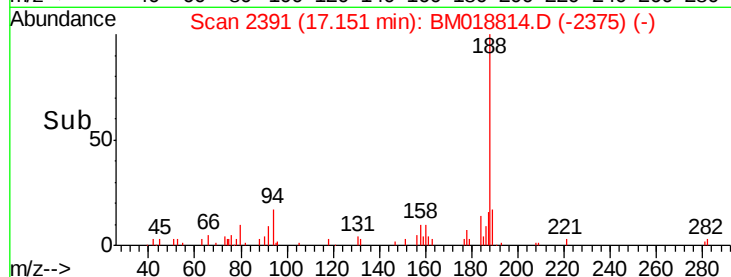
#71
Phenanthrene
Concen: 0.015 ng
RT: 17.15 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

Tgt Ion:178 Resp: 1326
Ion Ratio Lower Upper
178 100
176 0.0 15.4 23.0#
179 40.7 12.3 18.5#

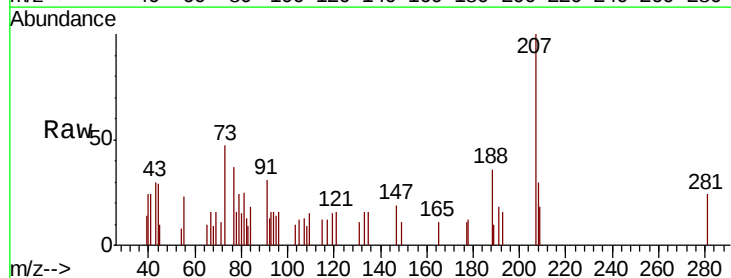


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

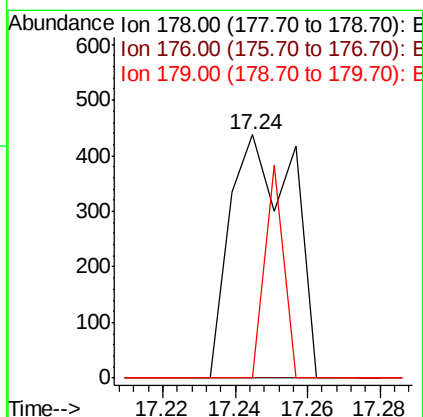
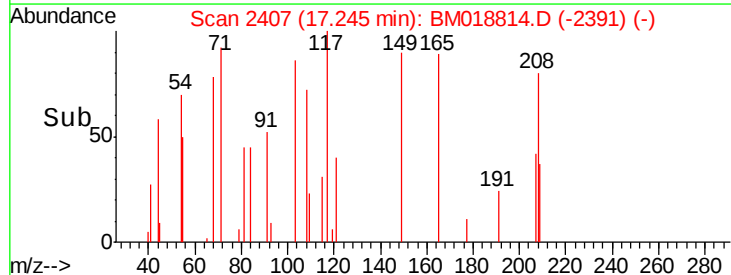


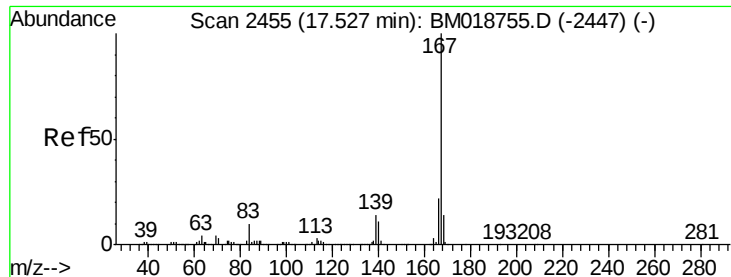
#72
Anthracene
Concen: 0.006 ng
RT: 17.24 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:178 Resp: 526
Ion Ratio Lower Upper
178 100
176 0.0 14.8 22.2#
179 0.0 12.1 18.1#



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





#73

Carbazole

Concen: 0.004 ng

RT: 17.53 min Scan# 2455

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

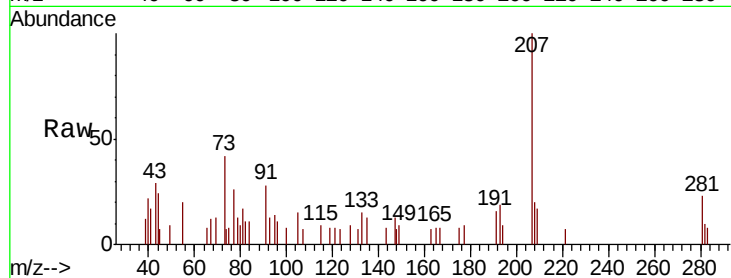
Tgt Ion:167 Resp: 343

Ion Ratio Lower Upper

167 100

166 0.0 17.7 26.5#

139 0.0 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.53

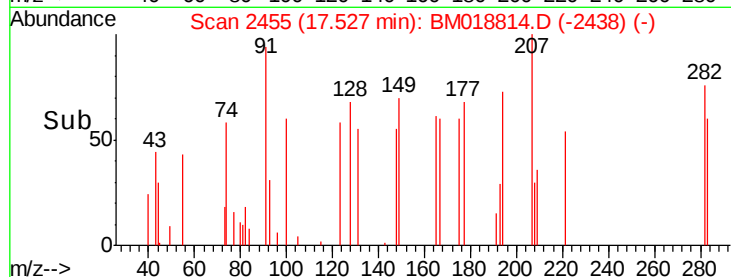
300

200

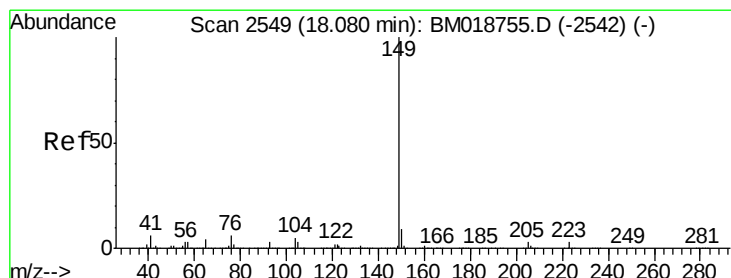
100

0

17.50 17.52 17.54 17.56



Time-->



#74

Di-n-butylphthalate

Concen: 0.199 ng

RT: 18.08 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

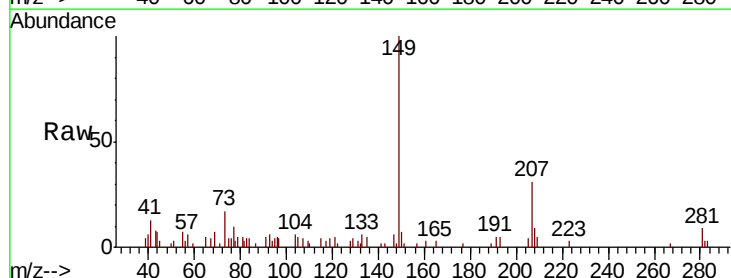
Tgt Ion:149 Resp: 20069

Ion Ratio Lower Upper

149 100

150 7.3 7.4 11.0#

104 6.2 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.08

20000

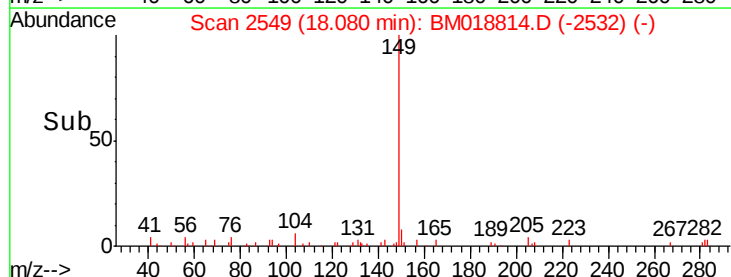
15000

10000

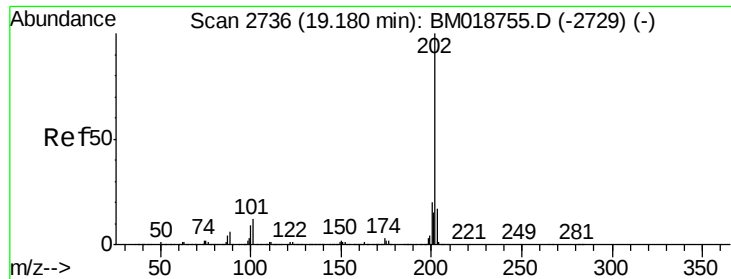
5000

0

18.05 18.10 18.15



Time-->



#75

Fluoranthene

Concen: 0.008 ng

RT: 19.19 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

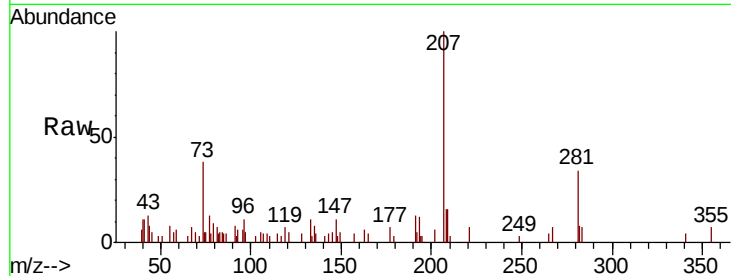
Tgt Ion:202 Resp: 759

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

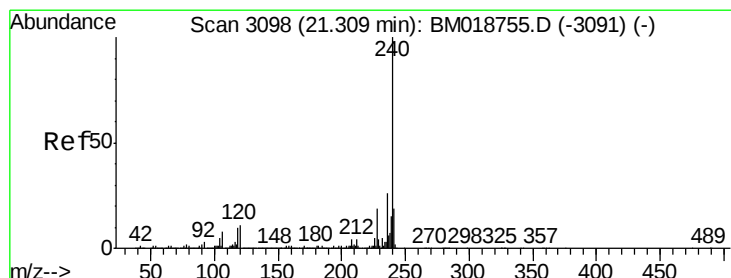
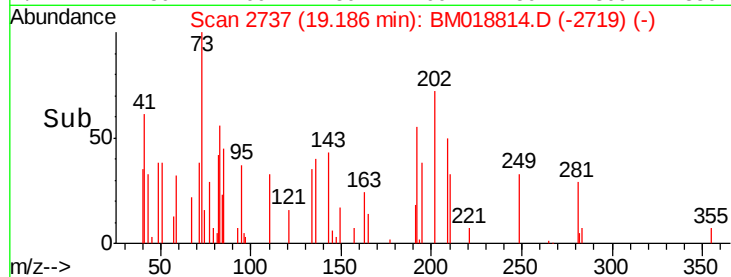
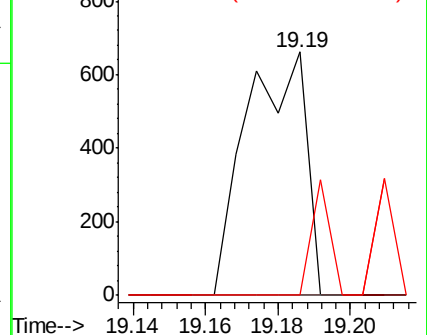
203 0.0 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

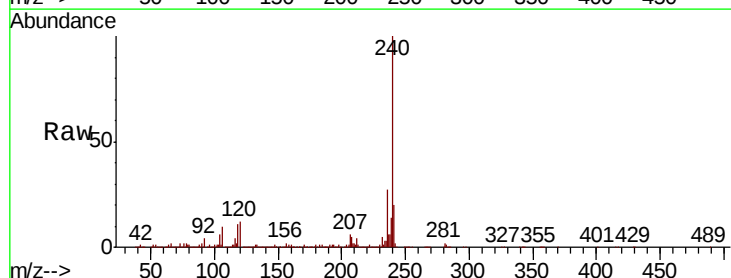
Tgt Ion:240 Resp: 1715589

Ion Ratio Lower Upper

240 100

120 12.3 8.9 13.3

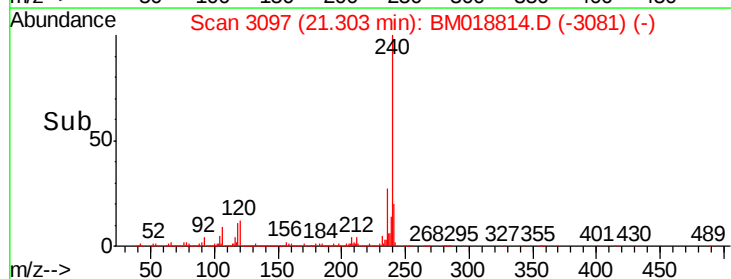
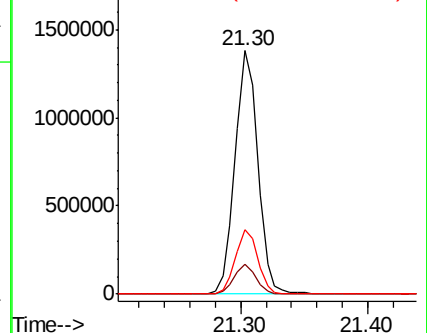
236 26.7 20.9 31.3

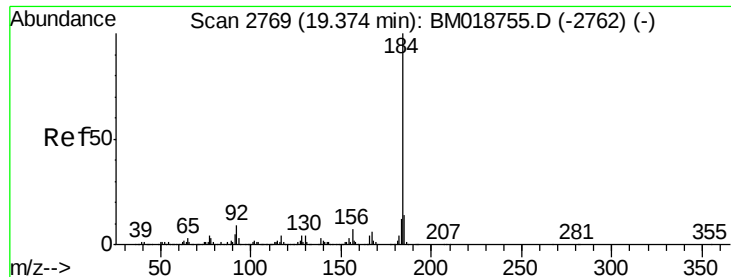


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.007 ng

RT: 19.39 min Scan# 2772

Delta R.T. 0.02 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

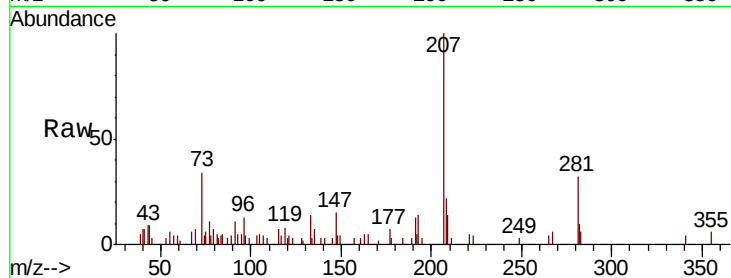
Tgt Ion:184 Resp: 265

Ion Ratio Lower Upper

184 100

185 0.0 11.2 16.8#

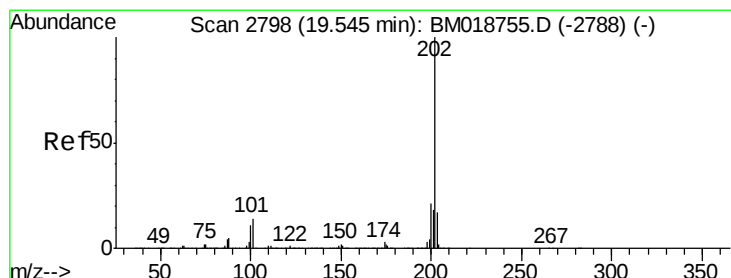
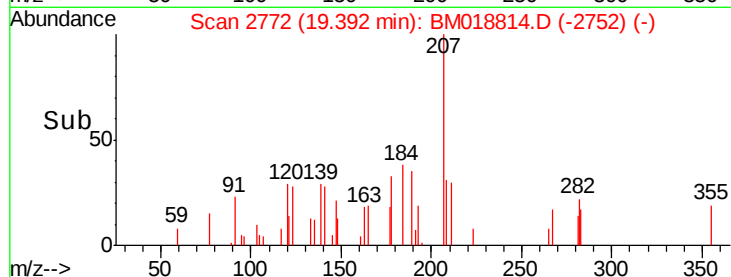
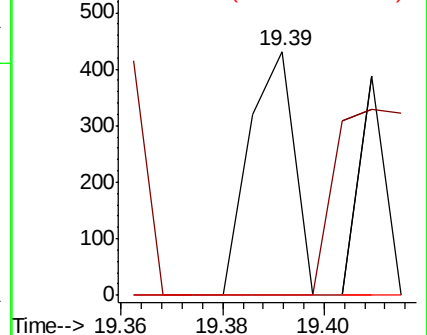
183 0.0 9.7 14.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.008 ng

RT: 19.54 min Scan# 2798

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

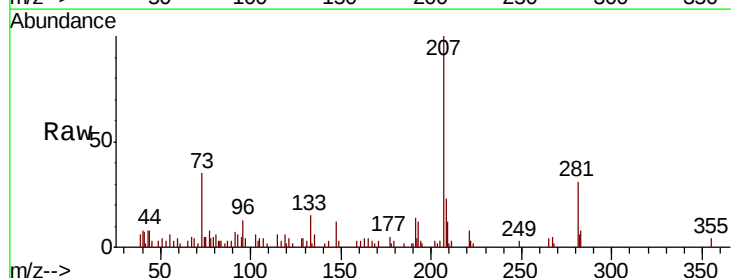
Tgt Ion:202 Resp: 807

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

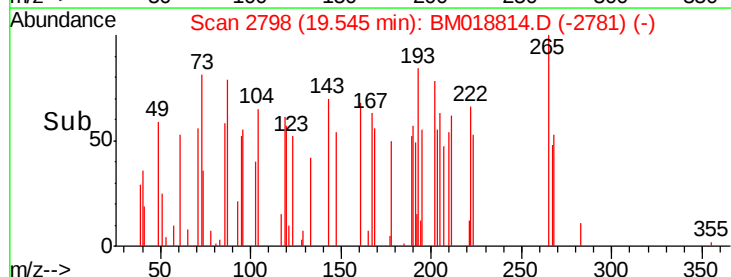
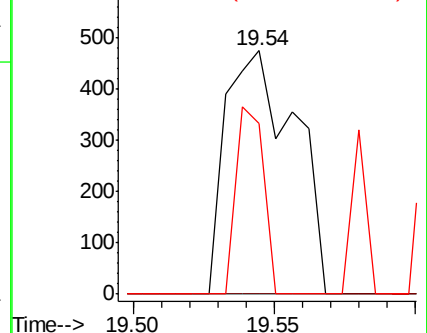
203 70.0 13.8 20.8#

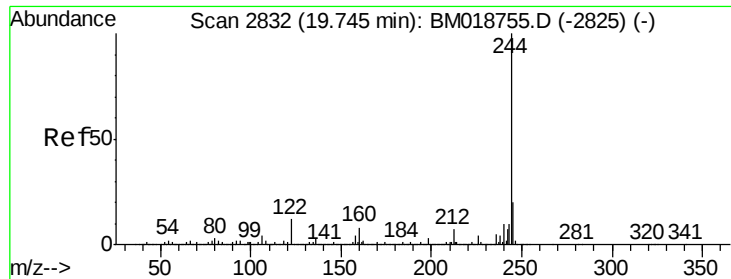


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

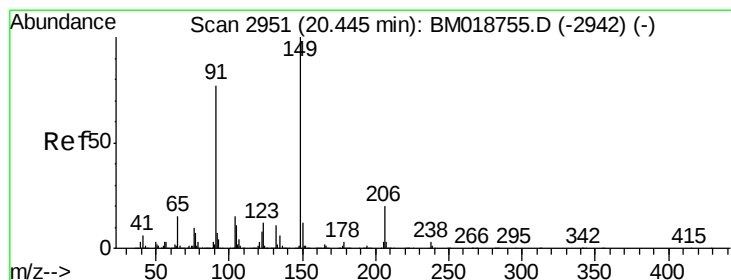
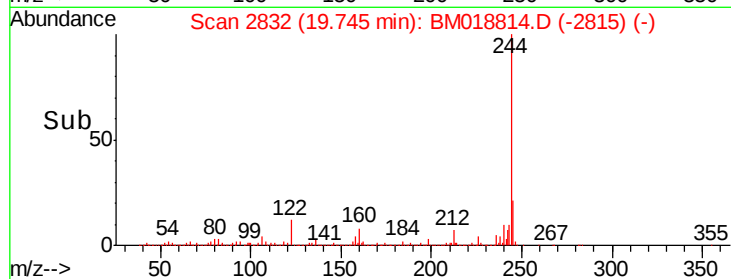
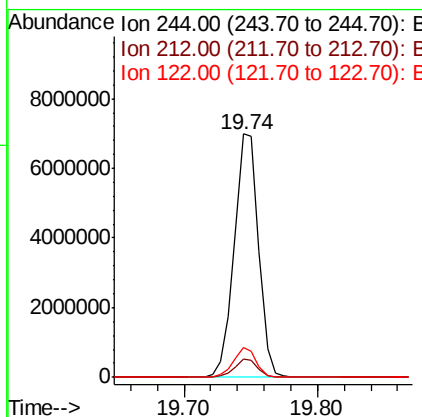
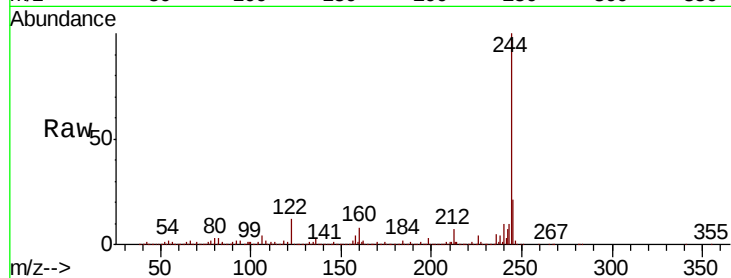




#79
 Terphenyl-d14
 Concen: 106.809 ng
 RT: 19.74 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BM018814.D
 Acq: 13 Feb 2019 22:38

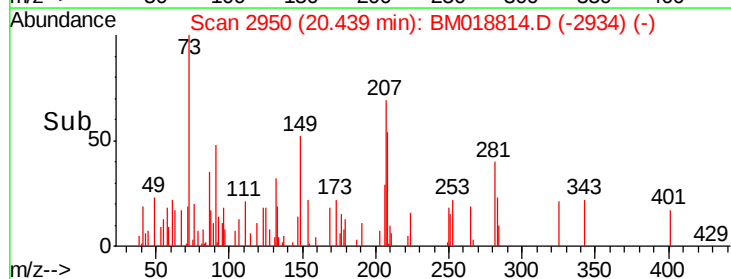
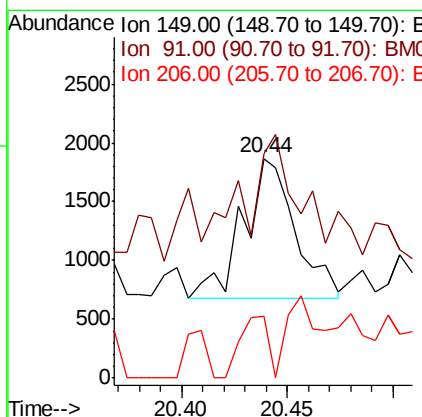
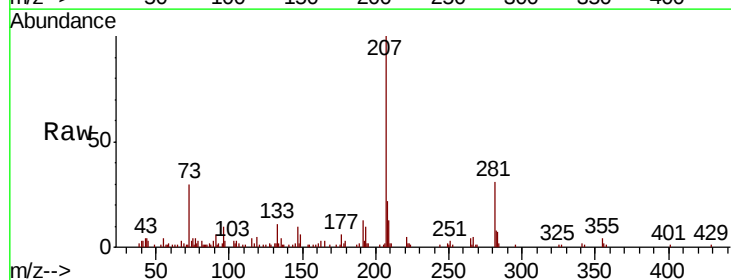
Instrument :
 BNA_M
 ClientSampleId :
 IDW-LIQUID-02

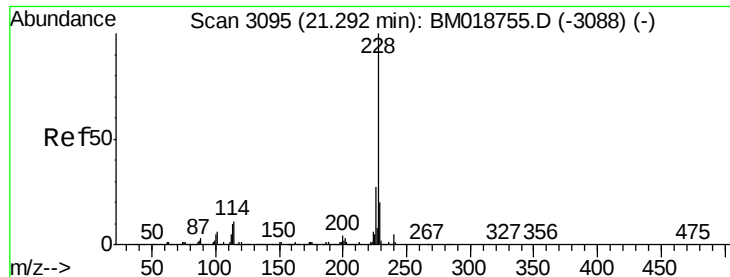
Tgt Ion:244 Resp: 8882704
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 12.1 9.3 13.9



#80
 Butylbenzylphthalate
 Concen: 0.045 ng
 RT: 20.44 min Scan# 2950
 Delta R.T. -0.01 min
 Lab File: BM018814.D
 Acq: 13 Feb 2019 22:38

Tgt Ion:149 Resp: 2035
 Ion Ratio Lower Upper
 149 100
 91 102.1 61.4 92.0#
 206 28.1 15.8 23.8#





#81

Benzo(a)anthracene

Concen: 0.058 ng

RT: 21.30 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

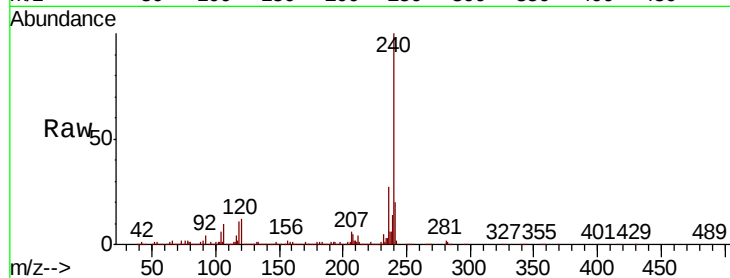
Tgt Ion:228 Resp: 5810

Ion Ratio Lower Upper

228 100

226 13.2 21.9 32.9#

229 38.9 15.9 23.9#

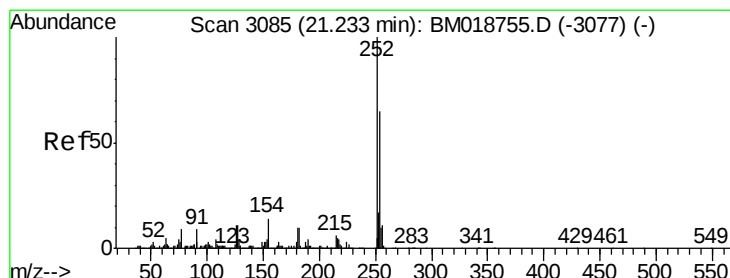
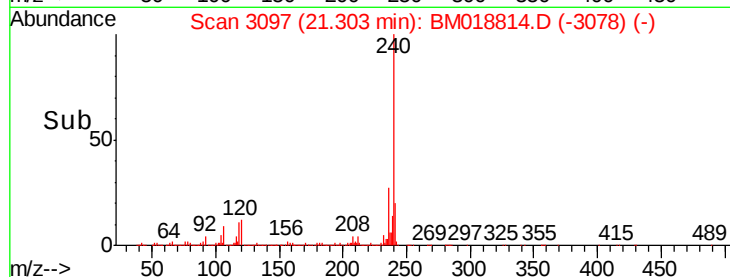
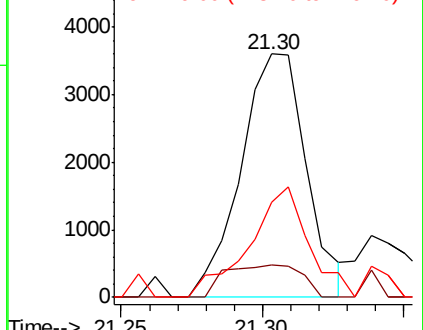


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.037 ng

RT: 21.24 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

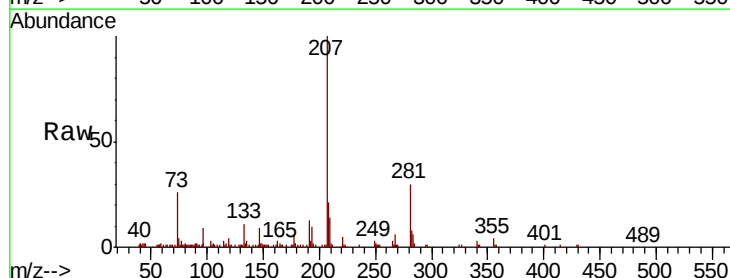
Tgt Ion:252 Resp: 1472

Ion Ratio Lower Upper

252 100

254 71.1 51.8 77.8

126 0.0 9.1 13.7#

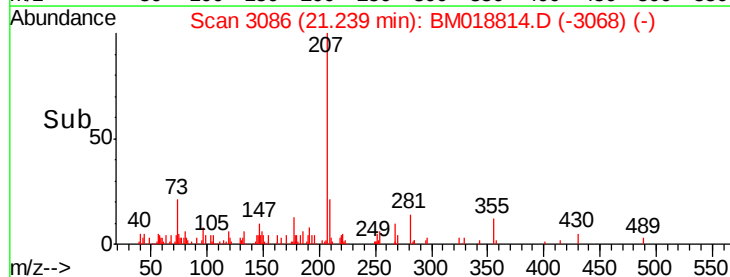
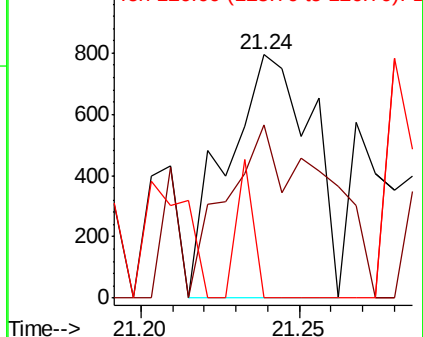


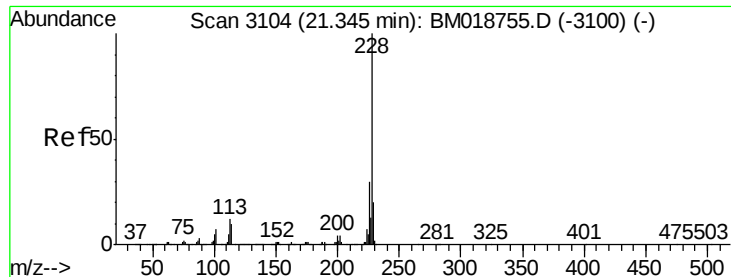
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.012 ng

RT: 21.34 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

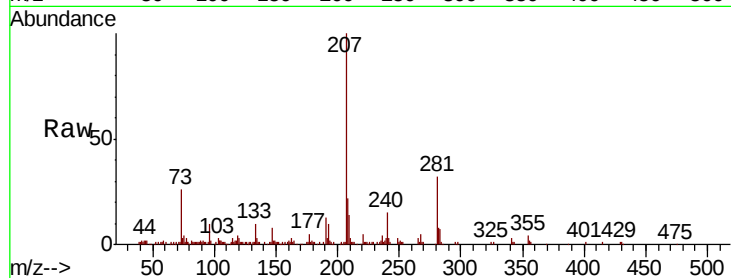
Tgt Ion:228 Resp: 1173

Ion Ratio Lower Upper

228 100

226 45.0 24.1 36.1#

229 50.7 16.0 24.0#

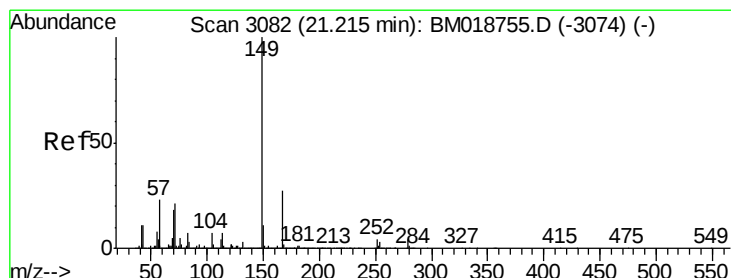
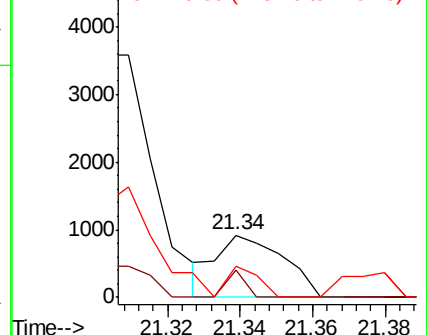
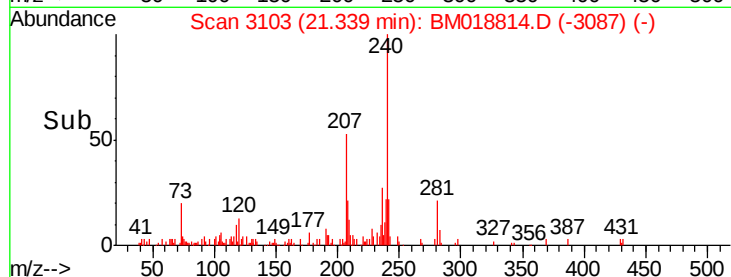


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.033 ng

RT: 21.22 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

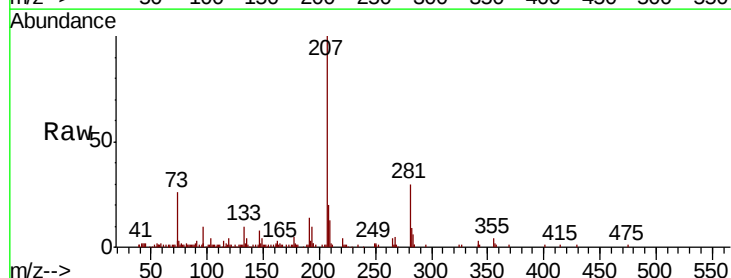
Tgt Ion:149 Resp: 2225

Ion Ratio Lower Upper

149 100

167 18.2 21.8 32.6#

279 0.0 3.6 5.4#

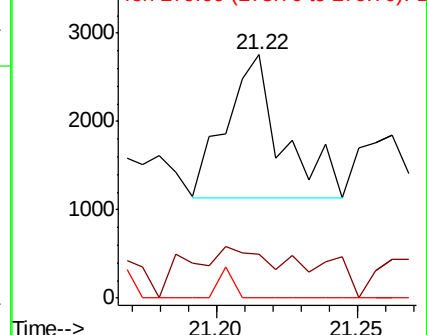
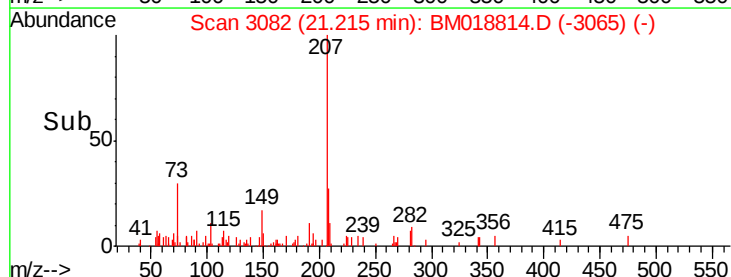


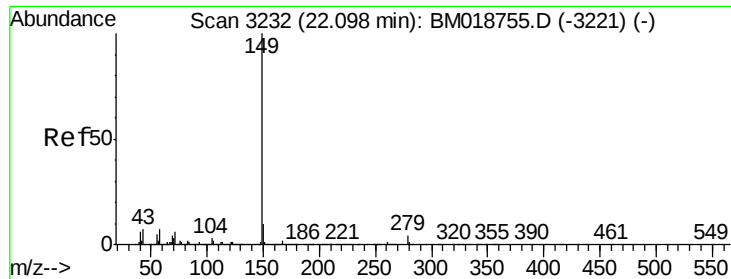
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

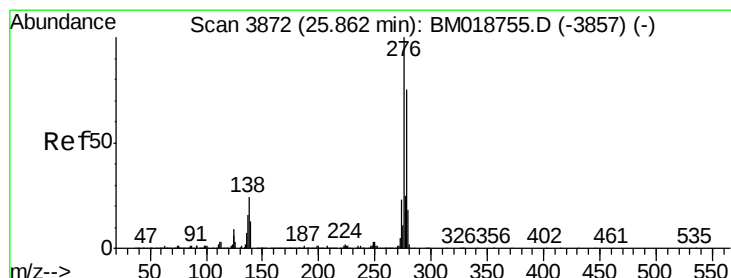
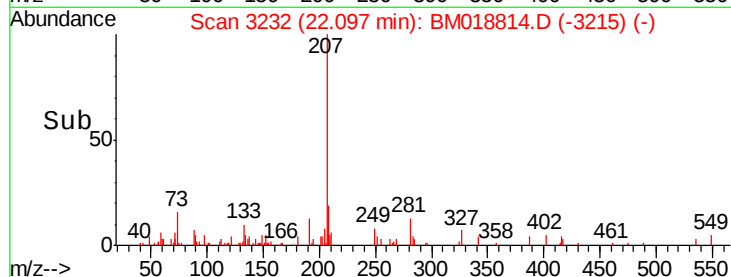
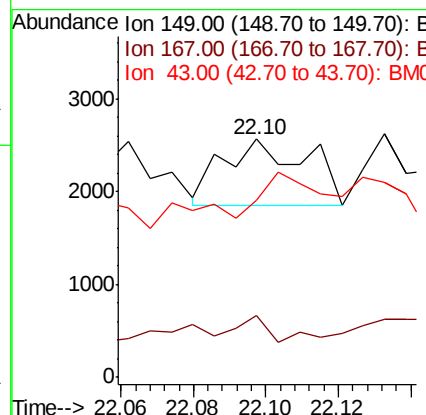
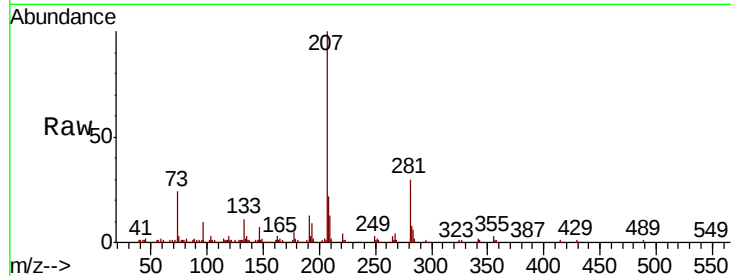




#85
Di-n-octyl phthalate
Concen: 0.010 ng
RT: 22.10 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

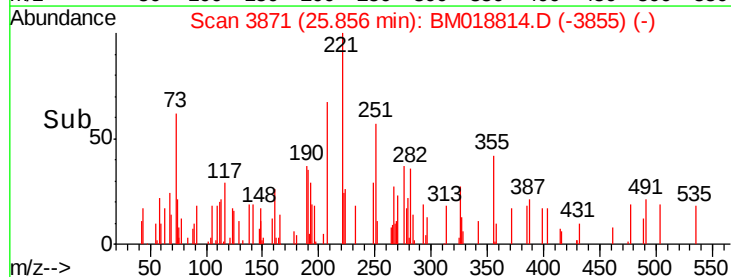
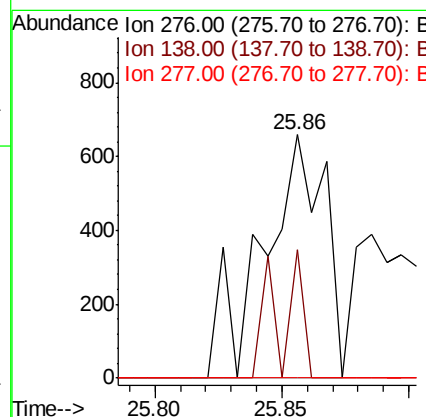
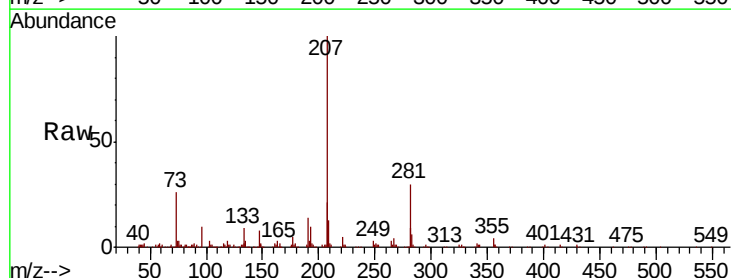
Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

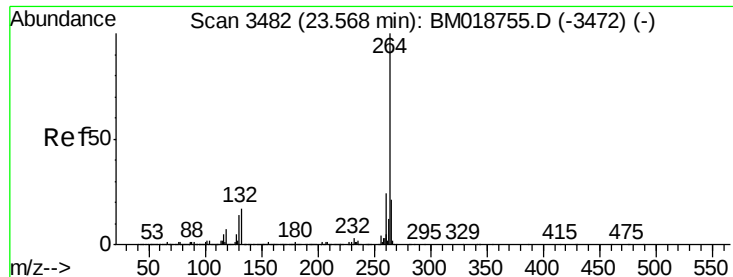
Tgt Ion:149 Resp: 1126
Ion Ratio Lower Upper
149 100
167 32.6 1.3 1.9#
43 52.5 6.0 9.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.010 ng
RT: 25.86 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:276 Resp: 1119
Ion Ratio Lower Upper
276 100
138 21.4 20.2 30.4
277 0.0 20.3 30.5#



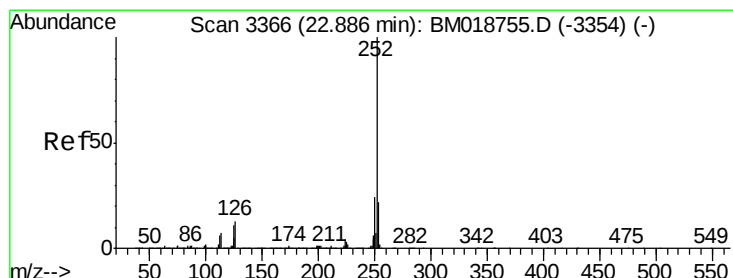
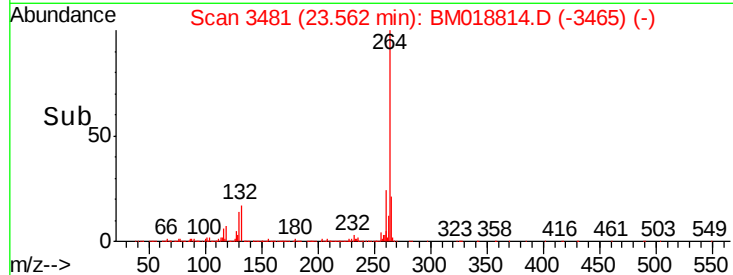
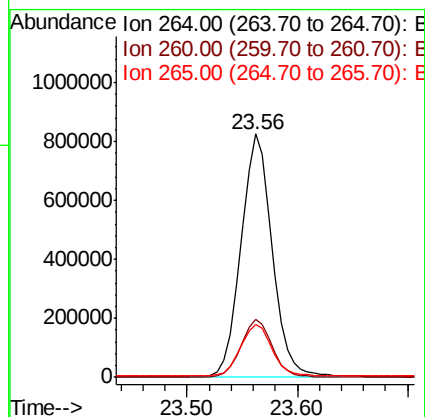
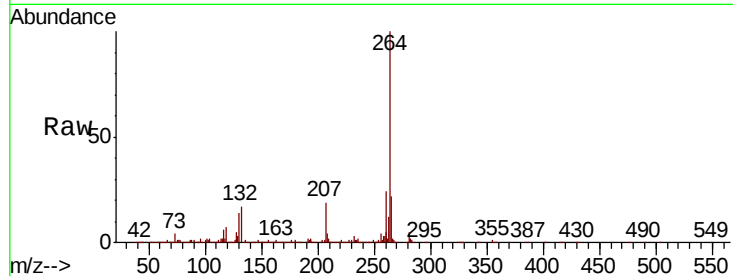


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.56 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Instrument :
BNA_M
ClientSampleId :
IDW-LIQUID-02

Tgt Ion:264 Resp: 1643560

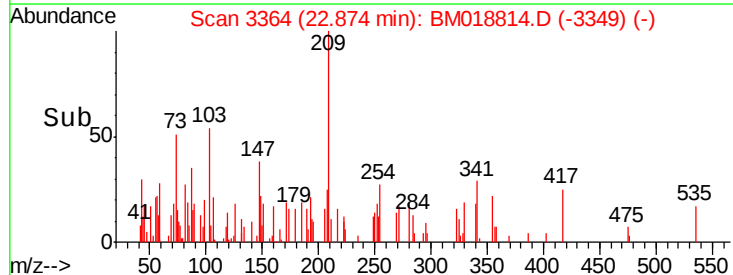
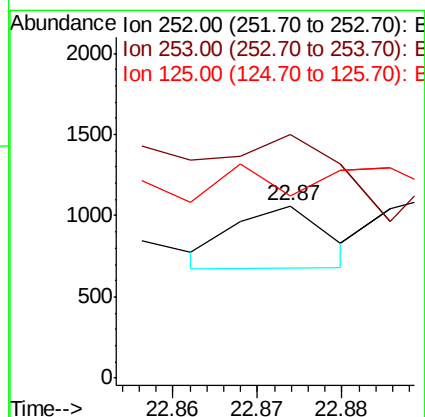
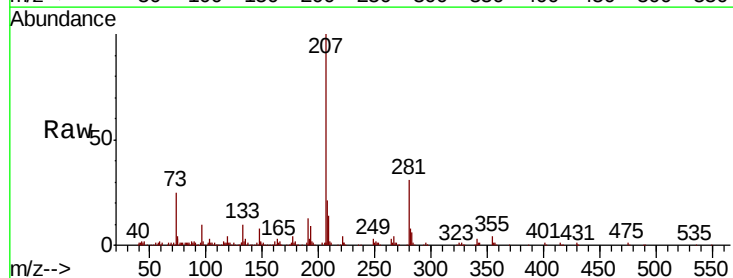
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.3	25.9

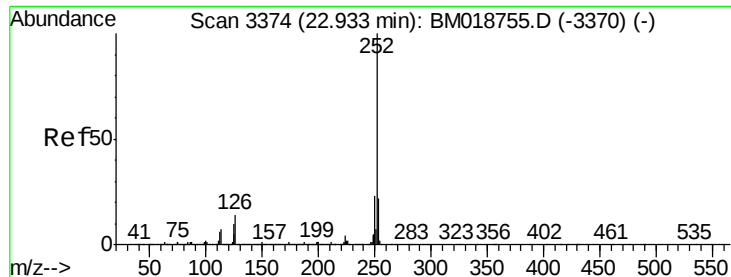


#88
Benzo(b)fluoranthene
Concen: 0.003 ng
RT: 22.87 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM018814.D
Acq: 13 Feb 2019 22:38

Tgt Ion:252 Resp: 290

Ion	Ratio	Lower	Upper
252	100		
253	141.1	17.8	26.6#
125	138.3	8.6	12.8#





#89

Benzo(k)fluoranthene

Concen: 0.005 ng

RT: 22.92 min Scan# 3372

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

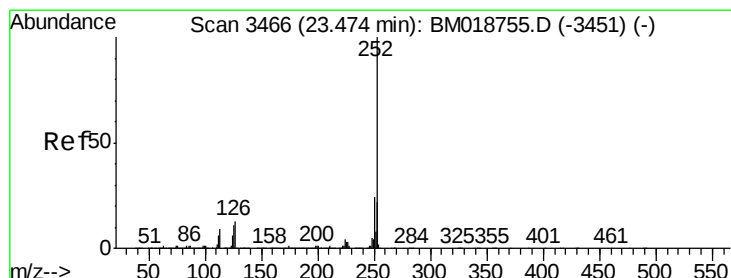
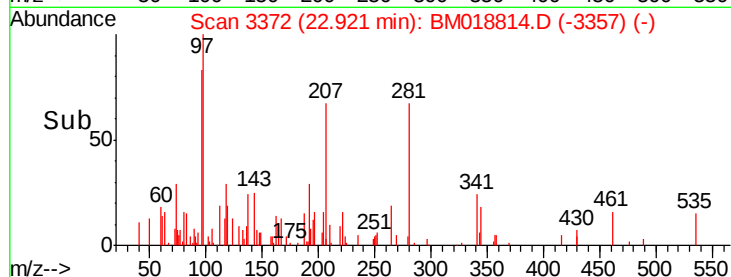
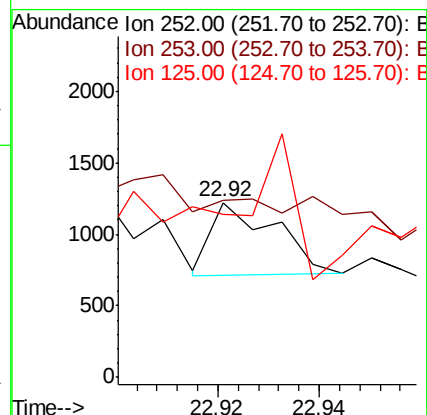
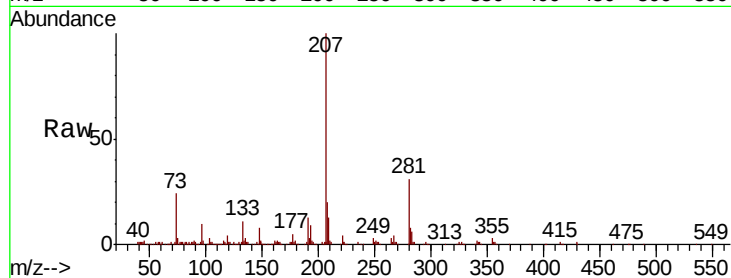
Tgt Ion:252 Resp: 449

Ion Ratio Lower Upper

252 100

253 101.2 17.7 26.5#

125 119.7 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 0.002 ng

RT: 23.45 min Scan# 3462

Delta R.T. -0.02 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

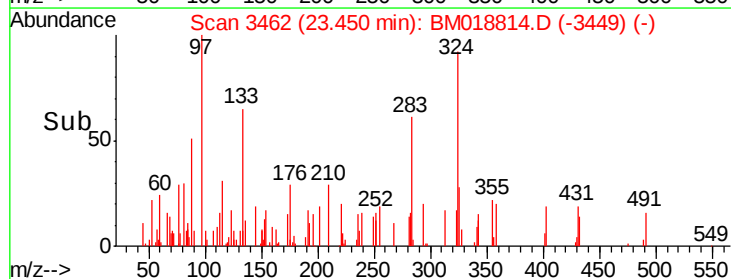
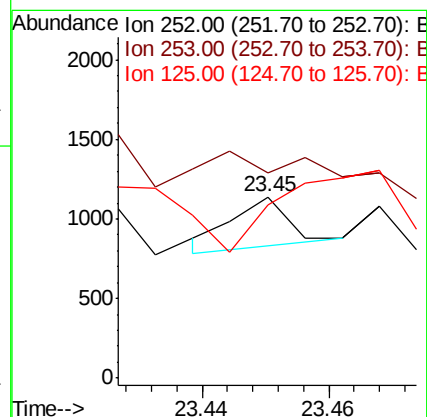
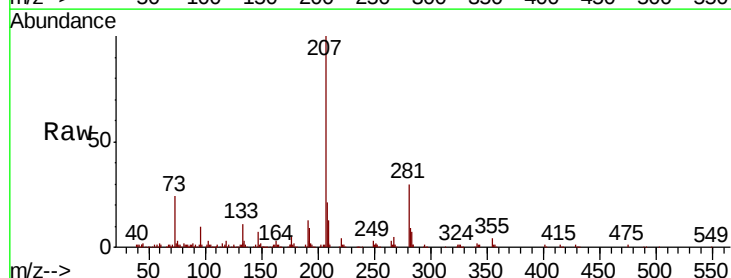
Tgt Ion:252 Resp: 195

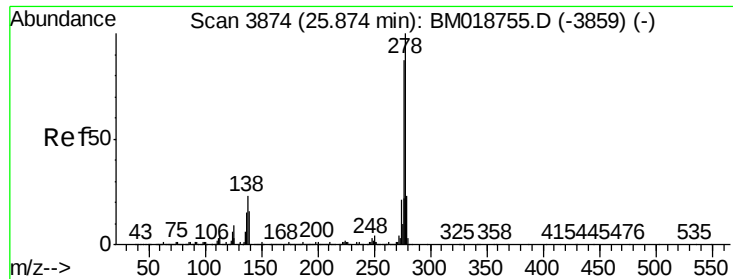
Ion Ratio Lower Upper

252 100

253 113.6 17.4 26.0#

125 96.0 8.6 13.0#





#91

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 25.86 min Scan# 3872

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

Instrument :

BNA_M

ClientSampleId :

IDW-LIQUID-02

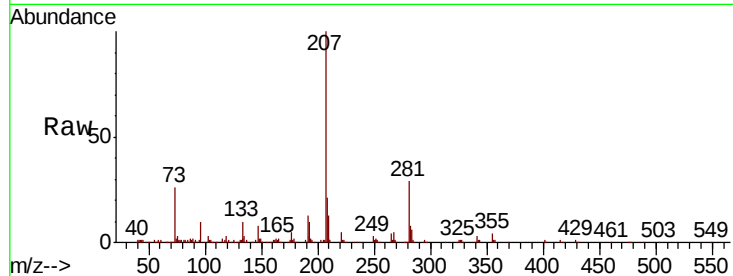
Tgt Ion:278 Resp: 264

Ion Ratio Lower Upper

278 100

139 0.0 12.6 18.8#

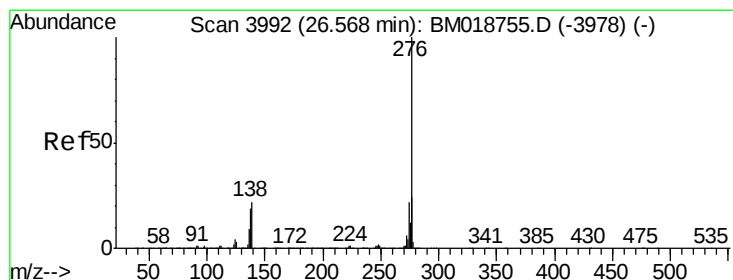
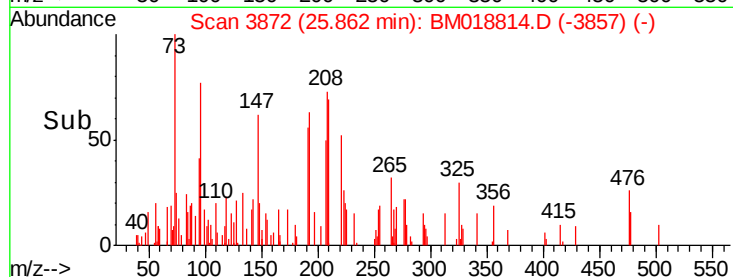
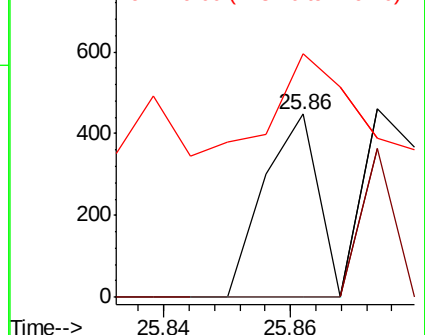
279 133.1 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.012 ng

RT: 26.56 min Scan# 3990

Delta R.T. -0.01 min

Lab File: BM018814.D

Acq: 13 Feb 2019 22:38

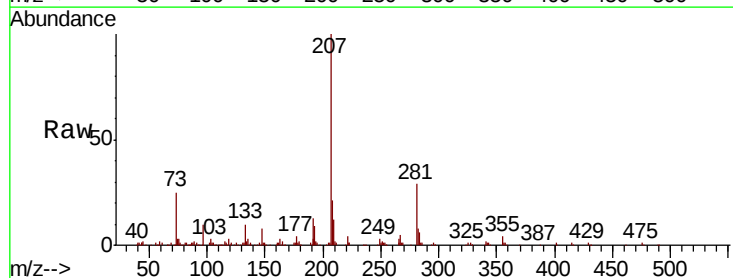
Tgt Ion:276 Resp: 988

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 55.4 17.3 25.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

