

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\
 Data File : BM016494.D
 Acq On : 21 Aug 2018 21:29
 Operator : SJ/JU
 Sample : J4274-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 21 23:24:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 16:31:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	138755	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	430696	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	295680	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	951061	20.00	ng	0.00
75) Chrysene-d12	21.54	240	1206429	20.00	ng	0.00
86) Perylene-d12	23.83	264	1400250	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	936914	132.32	ng	0.00
7) Phenol-d6	7.20	99	1040183	111.01	ng	0.00
23) Nitrobenzene-d5	9.21	82	1079967	114.49	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	1597504	193.27	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	3398058	110.47	ng	0.00
78) Terphenyl-d14	19.99	244	9048109	158.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	123	0.031	ng	# 100
3) Pyridine	4.05	79	127	0.016	ng	# 1
4) n-Nitrosodimethylamine	3.72	42	1077	0.297	ng	# 1
9) Benzaldehyde	7.16	77	148	0.023	ng	# 2
14) 1,2-Dichlorobenzene	8.34	146	146	0.013	ng	# 1
15) Benzyl Alcohol	8.34	79	24211	2.782	ng	# 22
16) 2,2'-oxybis(1-Chloropropan	8.55	45	265	0.055	ng	# 66
24) Nitrobenzene	9.20	77	7625	0.809	ng	# 48
25) Isophorone	9.77	82	358	0.028	ng	# 62
31) Naphthalene	10.89	128	15607	0.761	ng	# 94
37) 2-Methylnaphthalene	12.52	142	2712	0.169	ng	# 89
45) 1,1'-Biphenyl	13.53	154	3866	0.149	ng	# 72
48) Acenaphthylene	14.42	152	2263	0.076	ng	# 61
51) Acenaphthene	14.73	154	12076	0.661	ng	# 93
54) Dibenzofuran	15.09	168	13109	0.375	ng	# 97
56) 2,4-Dinitrotoluene	15.00	165	233	0.025	ng	# 11
57) Fluorene	15.72	166	15012	0.568	ng	# 94
59) Diethylphthalate	15.48	149	3782	0.128	ng	# 75
62) Azobenzene	15.97	77	162	0.005	ng	# 50
65) n-Nitrosodiphenylamine	15.91	169	113	0.004	ng	# 24
69) Pentachlorophenol	17.07	266	195	0.022	ng	# 19
70) Phenanthrene	17.45	178	76194	1.550	ng	# 95
71) Anthracene	17.56	178	14978	0.307	ng	# 69
72) Carbazole	17.83	167	29593	0.675	ng	# 95
73) Di-n-butylphthalate	18.34	149	5014	0.094	ng	# 79
74) Fluoranthene	19.46	202	36456	0.506	ng	# 88
76) Benzidine	19.63	184	402	0.017	ng	# 68
77) Pyrene	19.82	202	23106	0.352	ng	# 83
79) Butylbenzylphthalate	20.66	149	520	0.023	ng	# 62
80) Benzo(a)anthracene	21.54	228	9189	0.130	ng	# 98
81) 3,3'-Dichlorobenzidine	21.46	252	1234	0.039	ng	# 86
82) Chrysene	21.54	228	9189	0.136	ng	# 95
83) Bis(2-ethylhexyl)phthalate	21.43	149	1984	0.059	ng	# 64
84) Di-n-octyl phthalate	22.31	149	414	0.007	ng	# 1

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QLast Update : Tue Aug 21 16:31:22 2018
Response via : Initial Calibration

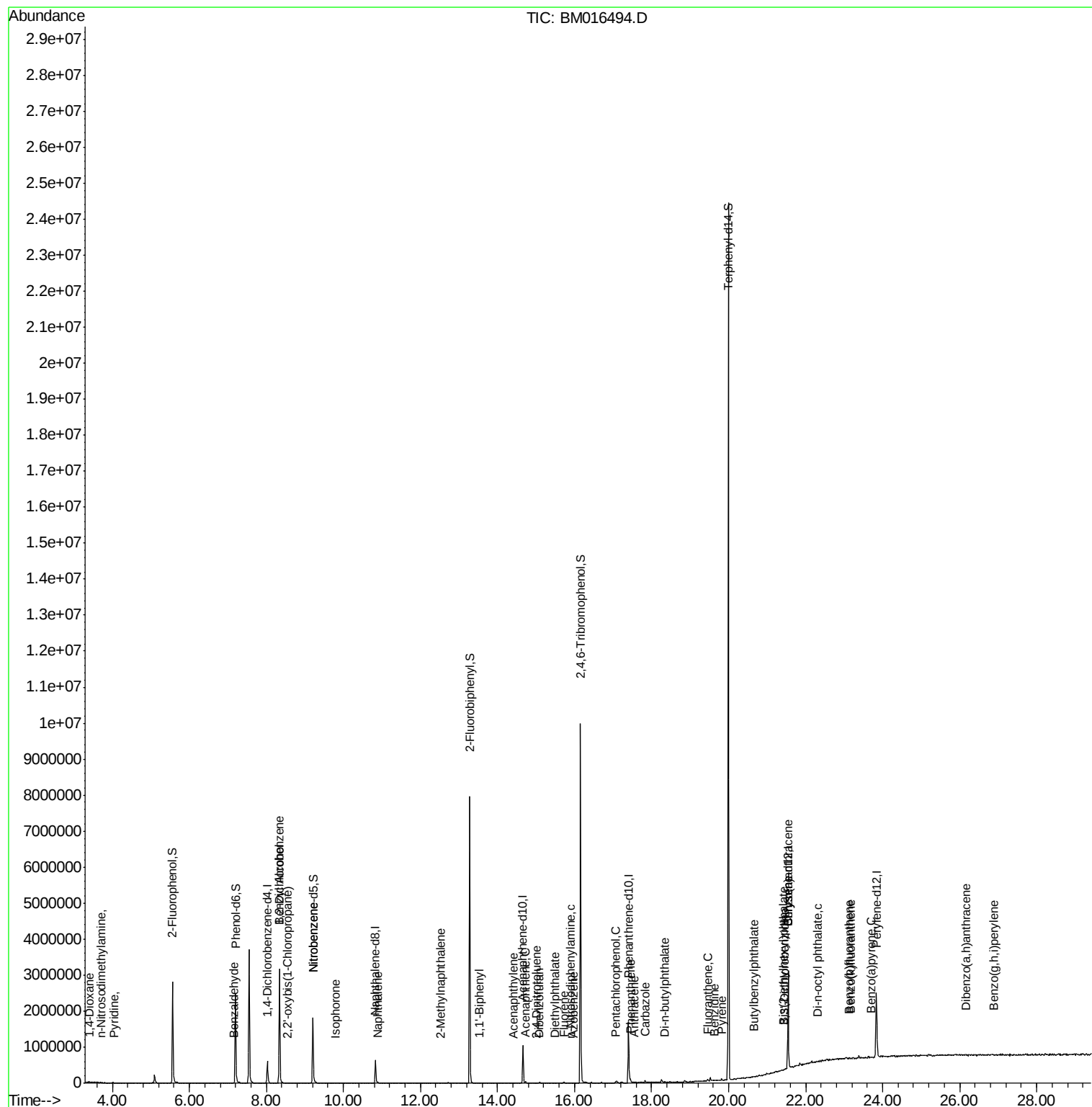
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	23.11	252	1052	0.013	ng	# 1
88) Benzo(k)fluoranthene	23.17	252	5384	0.066	ng	# 1
89) Benzo(a)pyrene	23.72	252	440	0.006	ng	# 1
90) Dibenzo(a,h)anthracene	26.17	278	323	0.004	ng	# 1
91) Benzo(g,h,i)perylene	26.87	276	132	0.002	ng	# 52

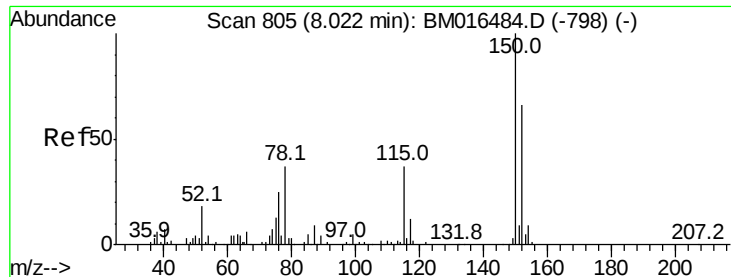
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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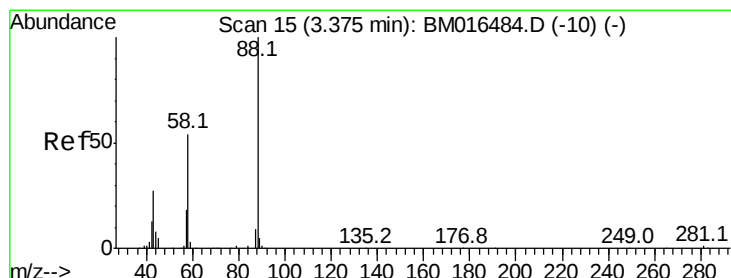
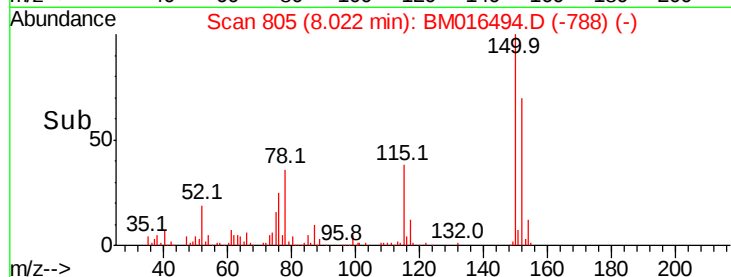
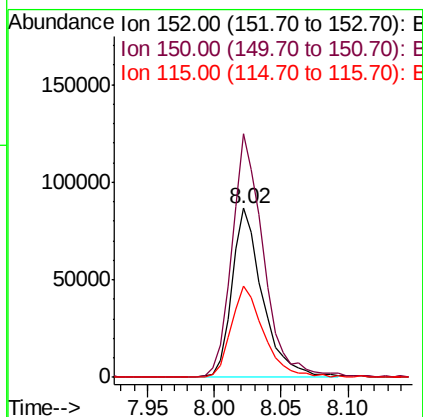
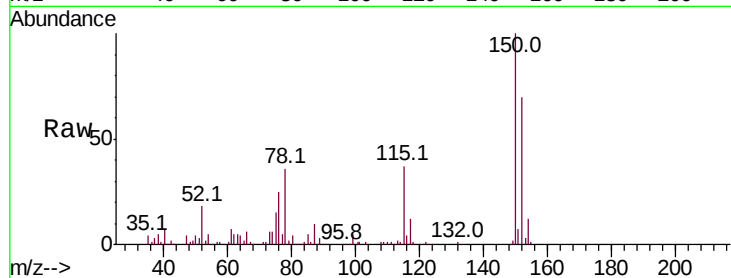


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Instrument :
BNA_M
ClientSampleId :

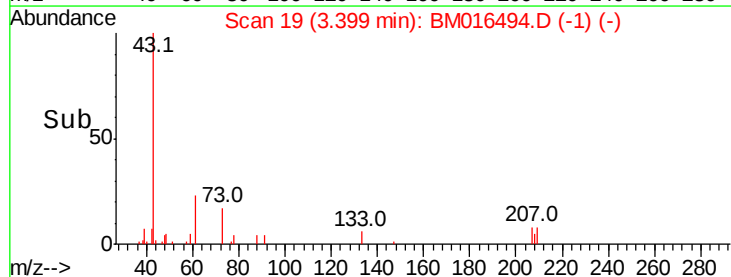
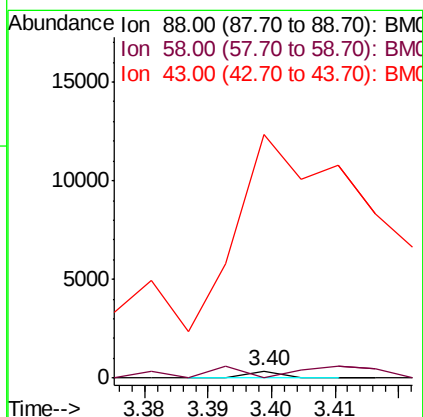
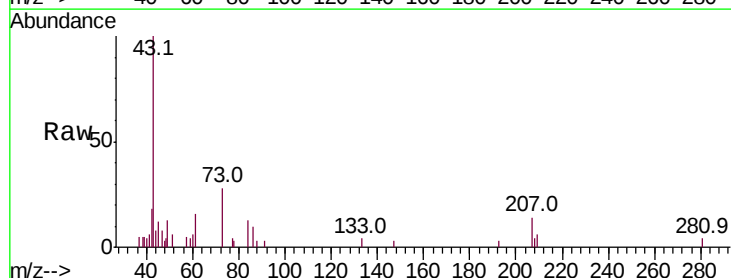
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	119.5	179.3
115	53.6	43.0	64.4

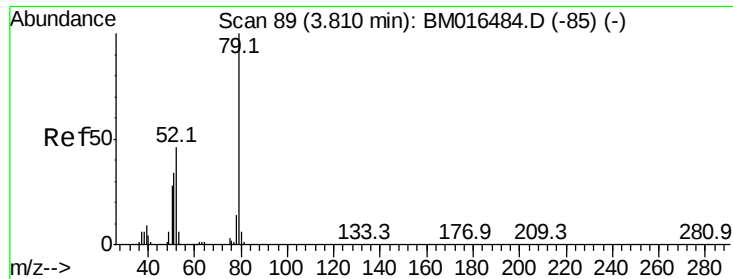


#2

1,4-Dioxane
Concen: 0.031 ng
RT: 3.40 min Scan# 19
Delta R.T. 0.02 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	282.1	0.0	0.0#
43	13364.2	0.0	0.0#





#3

Pvridine

Concen: 0.016 ng

RT: 4.05 min Scan# 130

Delta R.T. 0.24 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

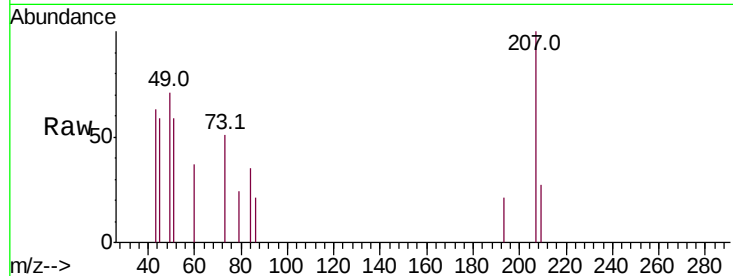
Tot Ion: 79 Resp: 127

Ion Ratio Lower Upper

79 100

52 0.0 51.1 76.7#

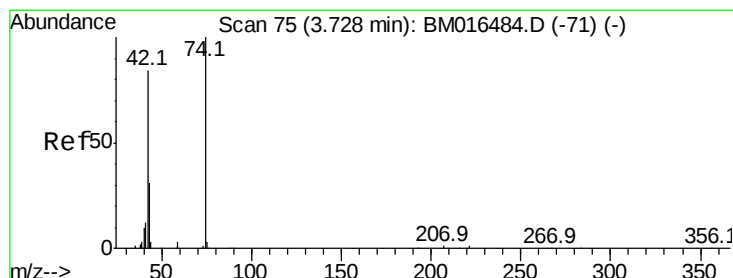
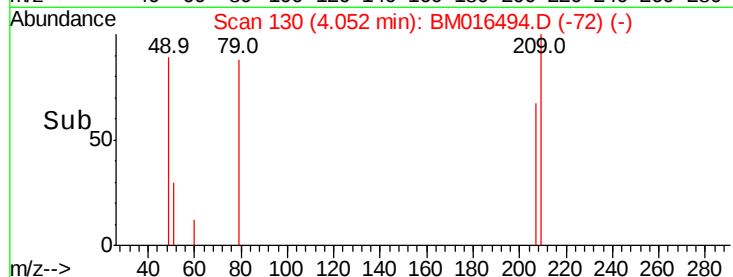
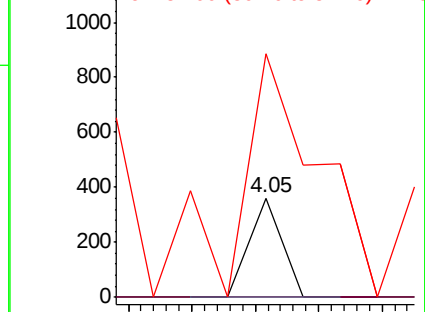
51 246.1 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM016484.D (-85) (-)

Ion 52.00 (51.70 to 52.70): BM016484.D (-85) (-)

Ion 51.00 (50.70 to 51.70): BM016484.D (-85) (-)



#4

n-Nitrosodimethylamine

Concen: 0.297 ng

RT: 3.72 min Scan# 73

Delta R.T. -0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

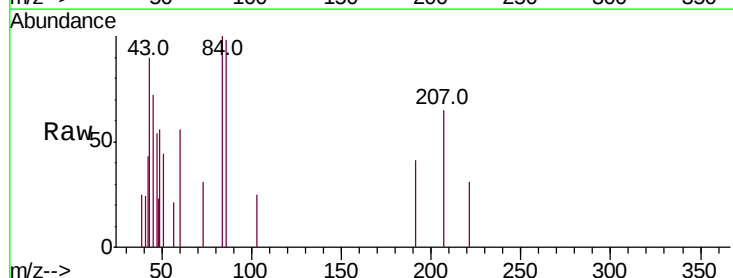
Tgt Ion: 42 Resp: 1077

Ion Ratio Lower Upper

42 100

74 0.0 119.3 178.9#

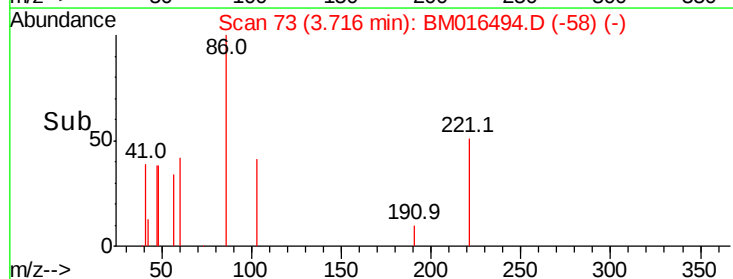
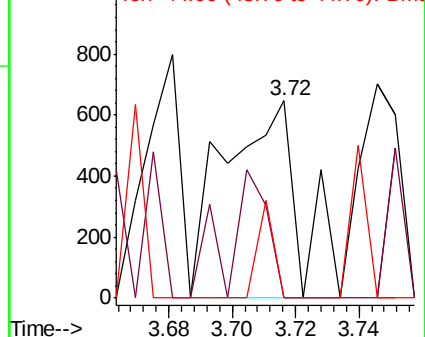
44 0.0 5.4 8.2#

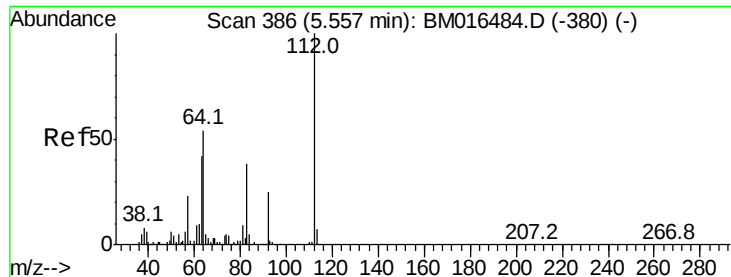


Abundance Ion 42.00 (41.70 to 42.70): BM016484.D (-71) (-)

Ion 74.00 (73.70 to 74.70): BM016484.D (-71) (-)

Ion 44.00 (43.70 to 44.70): BM016484.D (-71) (-)





#5

2-Fluorophenol

Concen: 0.297 ng

RT: 5.56 min Scan# 387

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

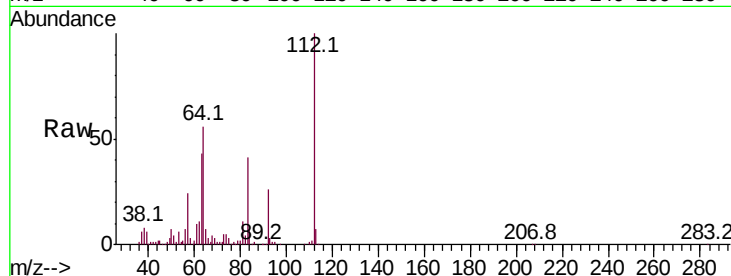
Tot Ion:112 Resp: 936914

Ion Ratio Lower Upper

112 100

64 55.6 38.6 57.8

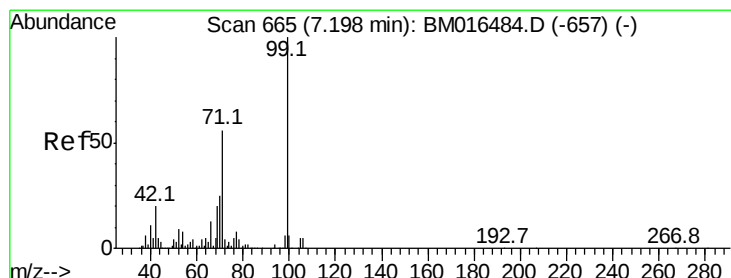
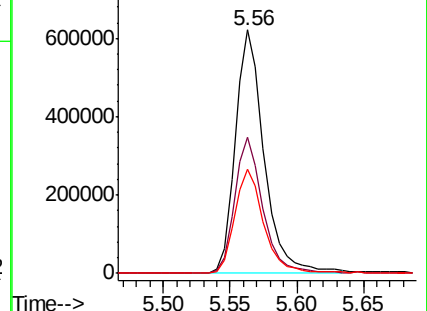
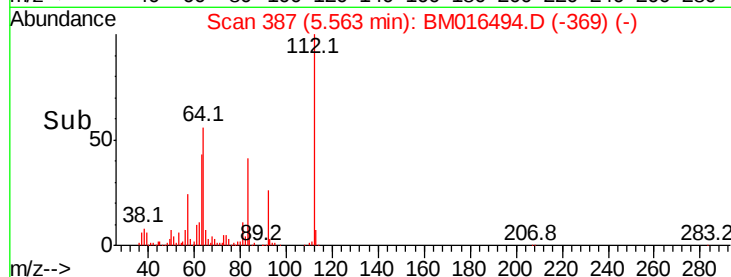
63 42.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: N.D. ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

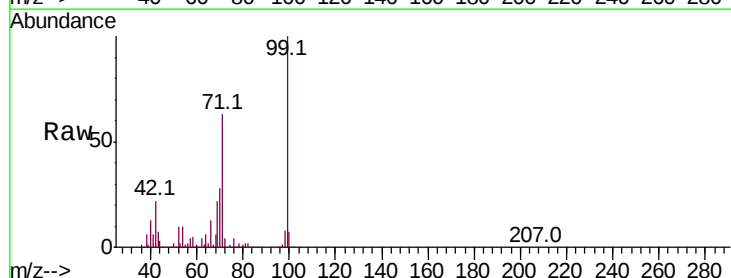
Tgt Ion: 99 Resp: 1040183

Ion Ratio Lower Upper

99 100

42 22.0 11.0 16.4#

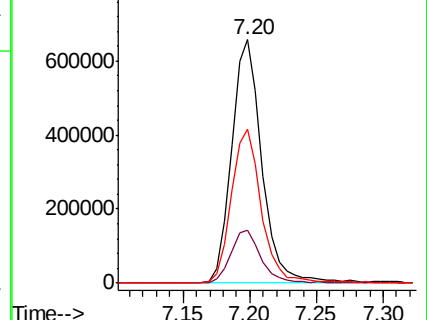
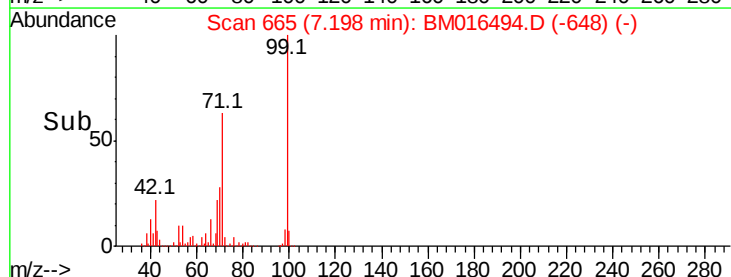
71 63.4 23.4 35.2#

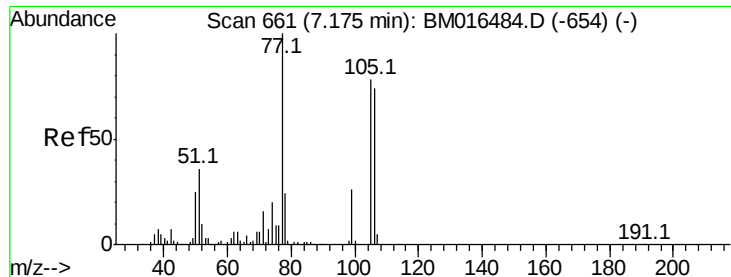


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#9

Benzaldehyd

Concen: 0.023 ng

RT: 7.16 min Scan# 659

Delta R.T. -0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

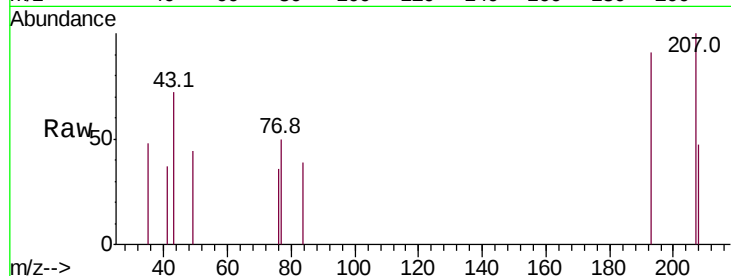
Tot Ion: 77 Resp: 148

Ion Ratio Lower Upper

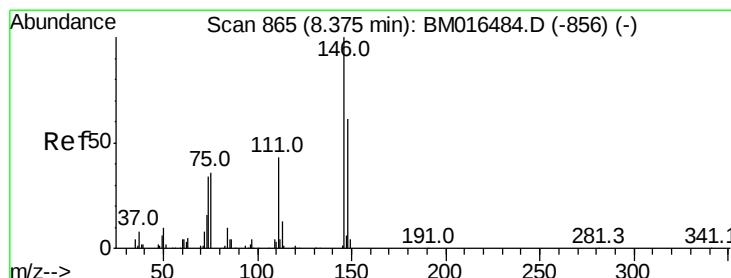
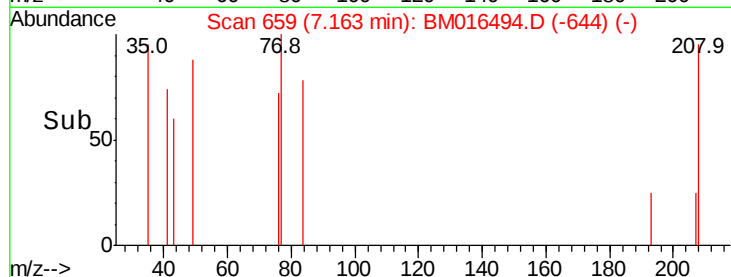
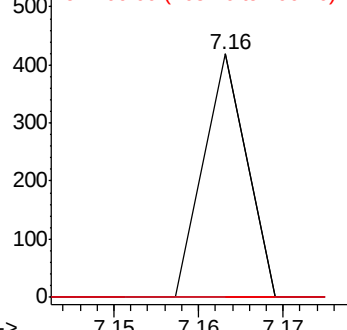
77 100

105 0.0 78.8 118.8#

106 0.0 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM016484.D (-654) (-)



#14

1,2-Dichlorobenzene

Concen: 0.013 ng

RT: 8.34 min Scan# 859

Delta R.T. -0.04 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

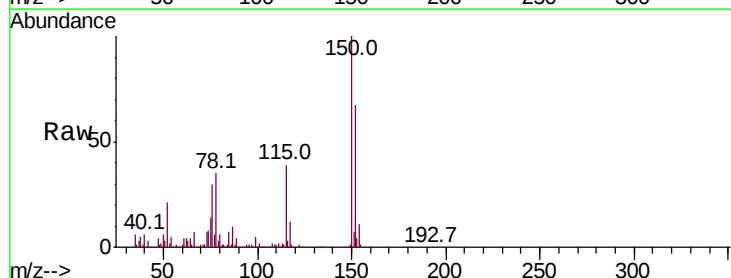
Tgt Ion: 146 Resp: 146

Ion Ratio Lower Upper

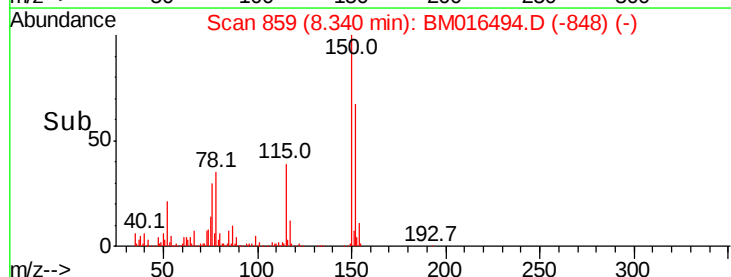
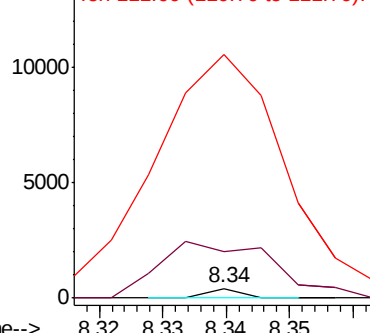
146 100

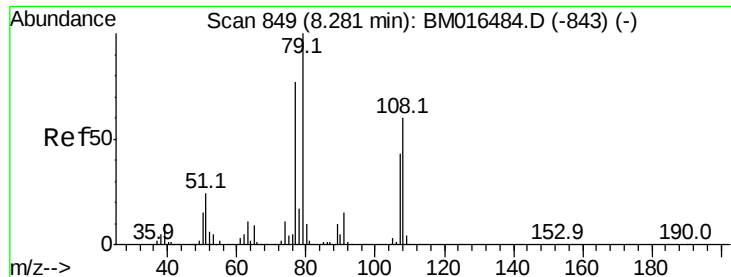
148 481.4 52.3 78.5#

111 2539.3 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): BM016484.D (-856) (-)





#15

Benzyl Alcohol

Concen: 2.782 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.06 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

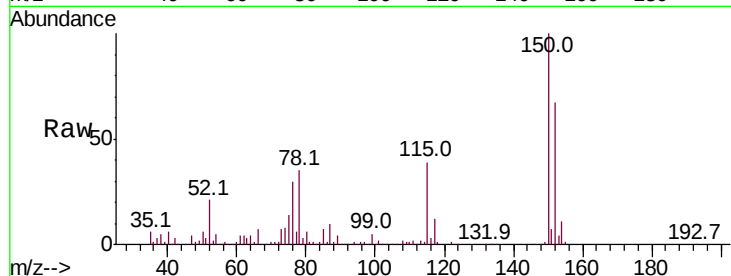
Tot Ion: 79 Resp: 24211

Ion Ratio Lower Upper

79 100

108 85.2 65.0 97.4

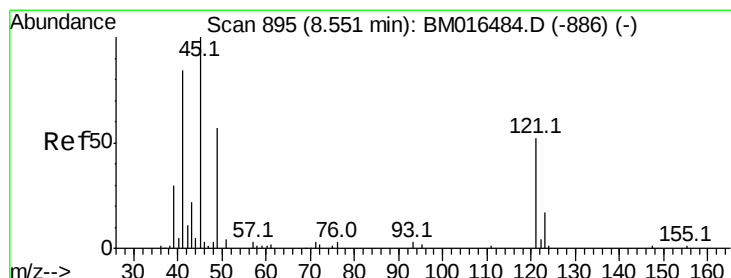
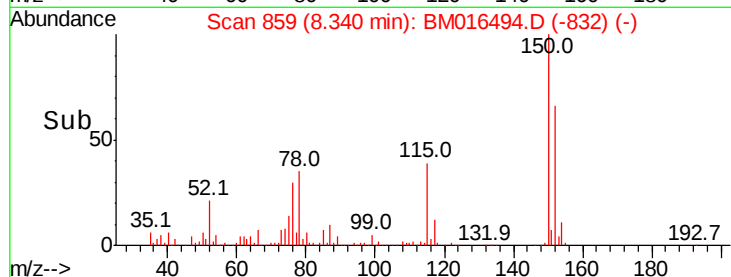
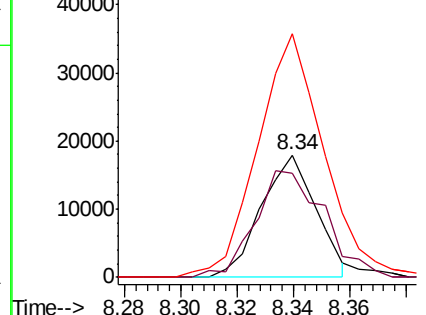
77 199.5 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016494.D (-859) (-)

Ion 108.00 (107.70 to 108.70): BM016494.D (-859) (-)

Ion 77.00 (76.70 to 77.70): BM016494.D (-859) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.055 ng

RT: 8.55 min Scan# 894

Delta R.T. -0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

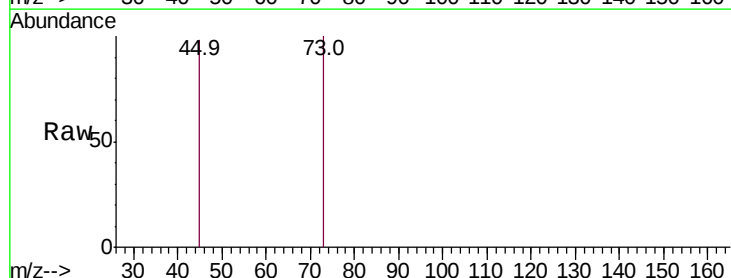
Tgt Ion: 45 Resp: 265

Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

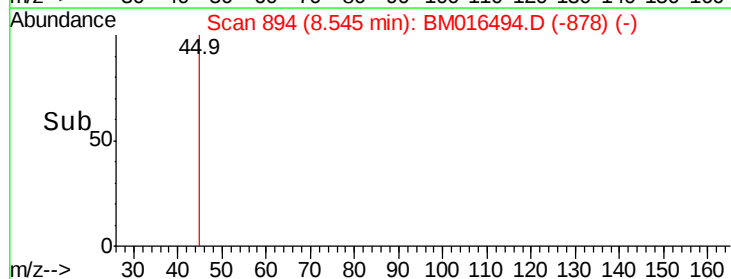
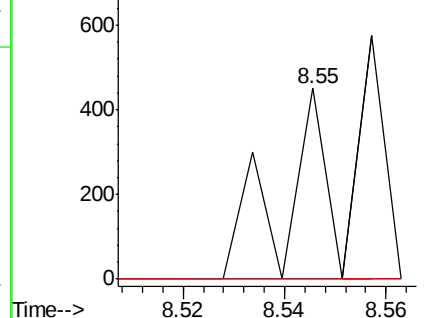
79 0.0 0.0 32.0

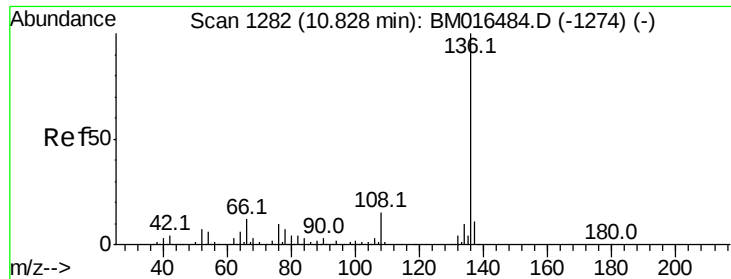


Abundance Ion 45.00 (44.70 to 45.70): BM016494.D (-894) (-)

Ion 77.00 (76.70 to 77.70): BM016494.D (-894) (-)

Ion 79.00 (78.70 to 79.70): BM016494.D (-894) (-)

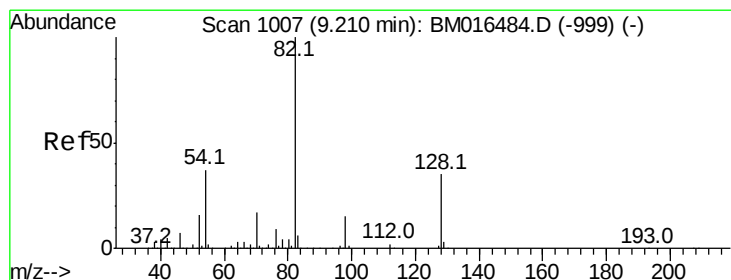
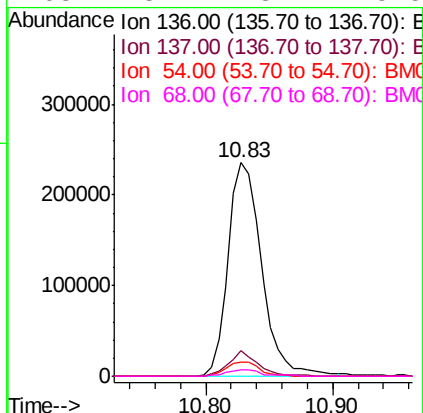
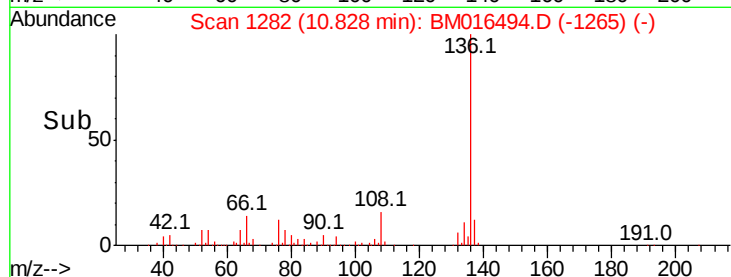
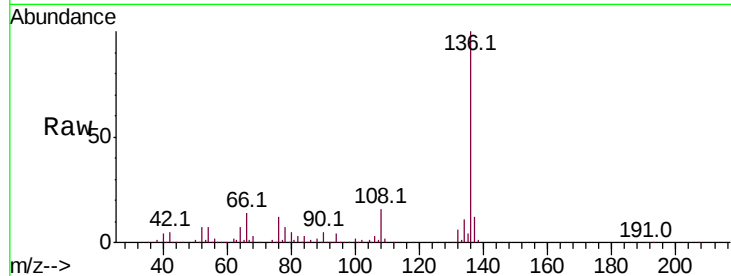




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

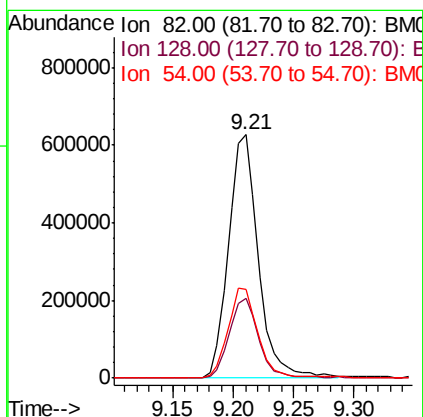
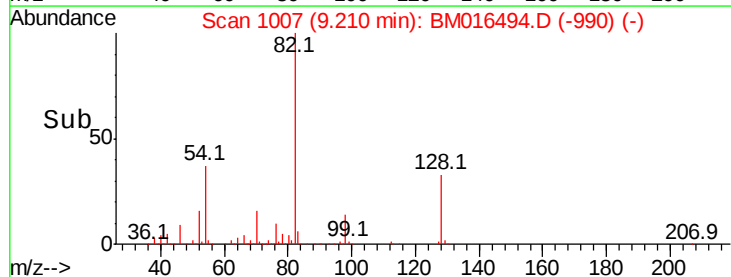
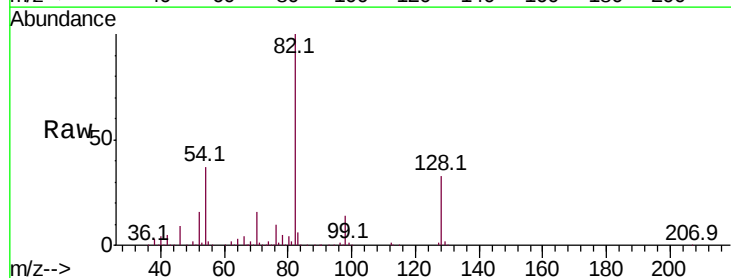
Instrument :
BNA_M
ClientSampleId :

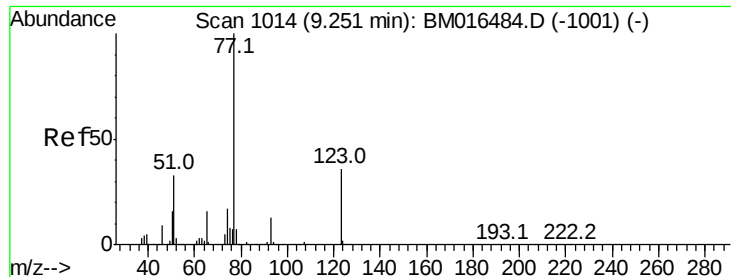
Tot Ion:	136	Resp:	430696
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.7	13.1
54	6.8	4.6	6.8
68	3.2	3.7	5.5#



#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.21 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion:	82	Resp:	1079967
Ion	Ratio	Lower	Upper
82	100		
128	32.9	32.8	49.2
54	36.7	40.6	60.8#





#24

Nitrobenzene

Concen: 0.809 ng

RT: 9.20 min Scan# 1006

Delta R.T. -0.05 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

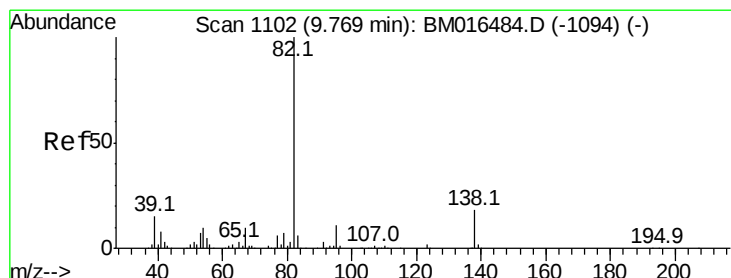
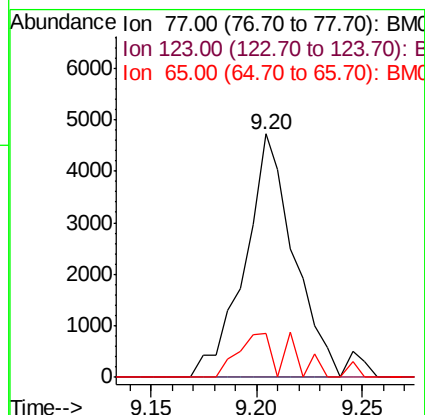
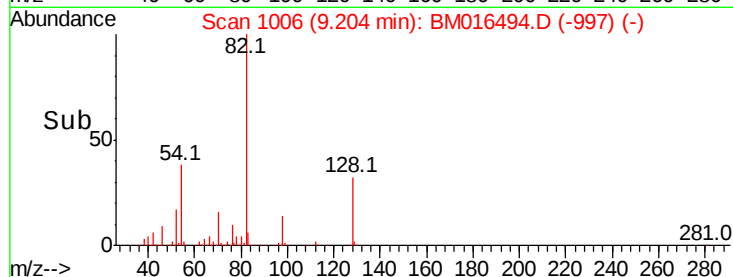
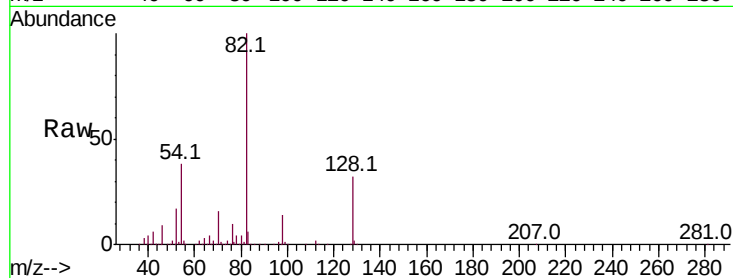
Tot Ion: 77 Resp: 7625

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

65 17.8 10.9 16.3#



#25

Isophorone

Concen: 0.028 ng

RT: 9.77 min Scan# 1103

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

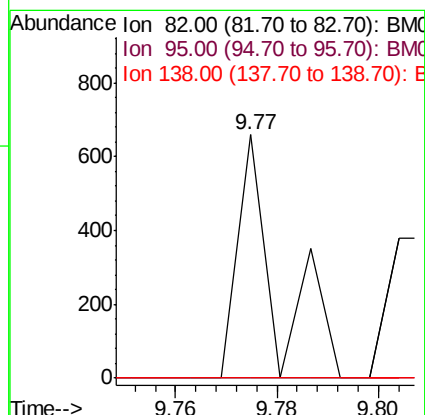
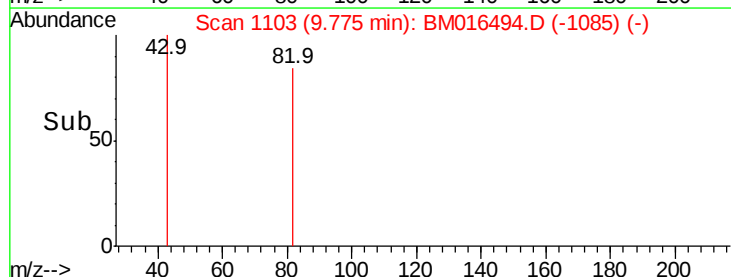
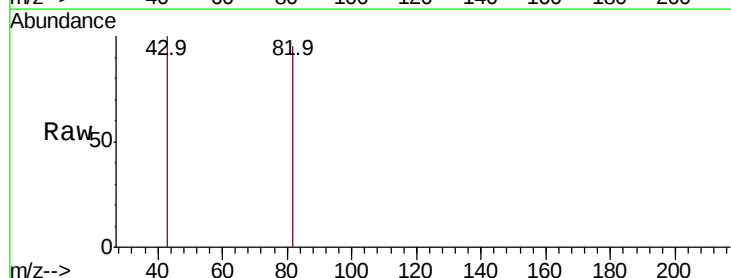
Tgt Ion: 82 Resp: 358

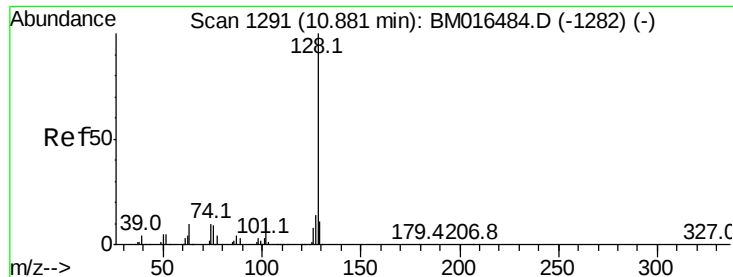
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 16.3 24.5#





#31

Naphthalene

Concen: 0.761 ng

RT: 10.89 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

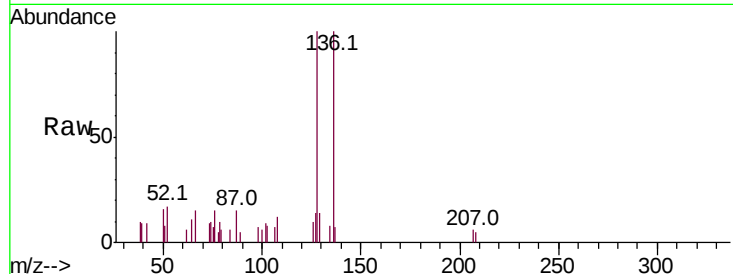
Tot Ion:128 Resp: 15607

Ion Ratio Lower Upper

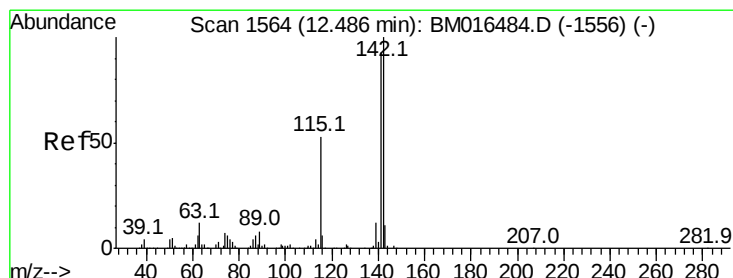
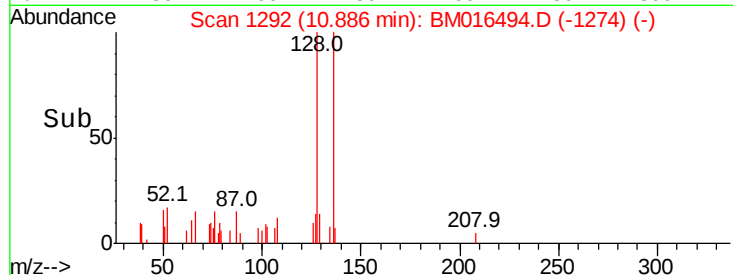
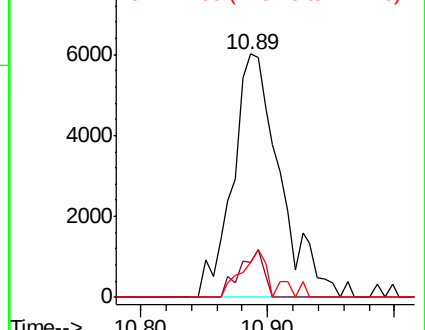
128 100

129 14.4 8.9 13.3#

127 14.5 10.4 15.6



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



#37

2-Methylnaphthalene

Concen: 0.169 ng

RT: 12.52 min Scan# 1569

Delta R.T. 0.03 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

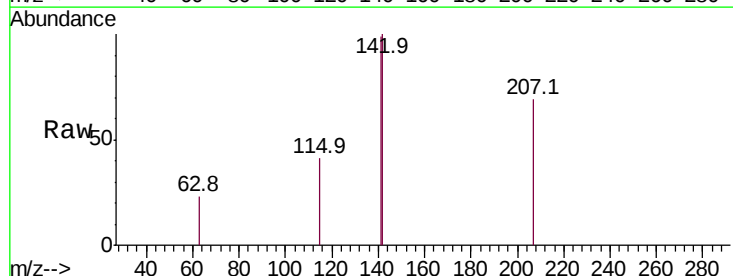
Tgt Ion:142 Resp: 2712

Ion Ratio Lower Upper

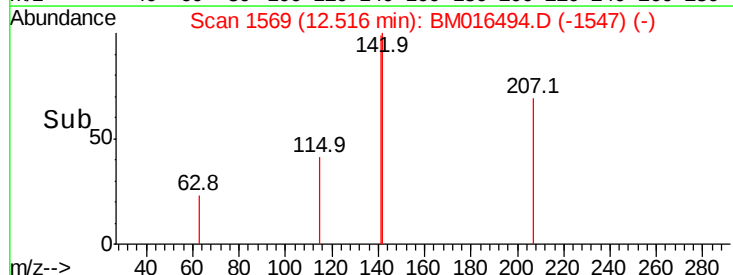
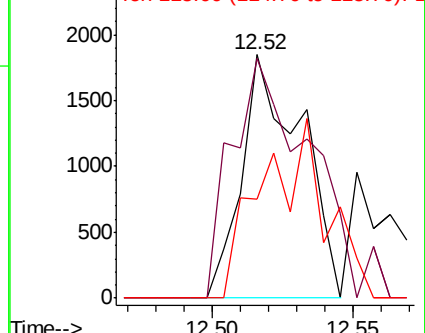
142 100

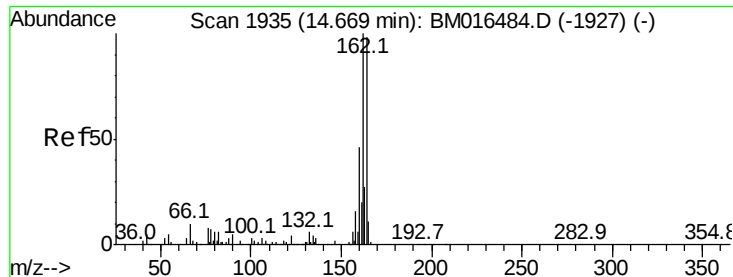
141 98.6 71.9 107.9

115 40.6 25.4 38.0#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

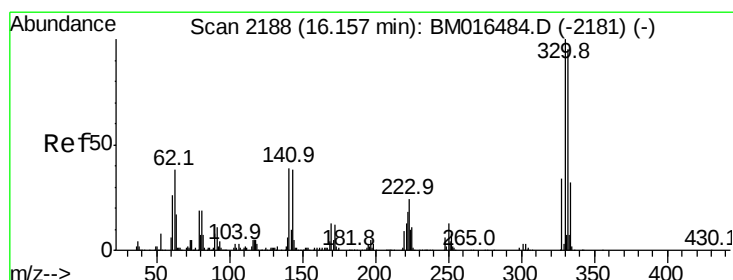
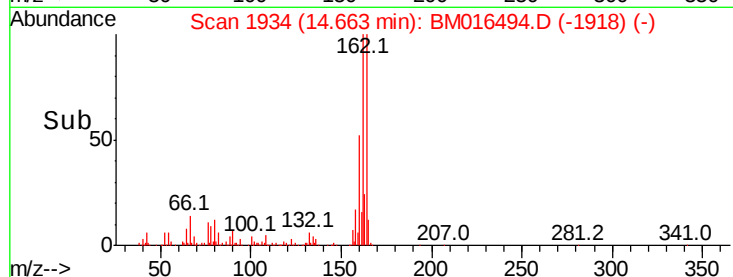
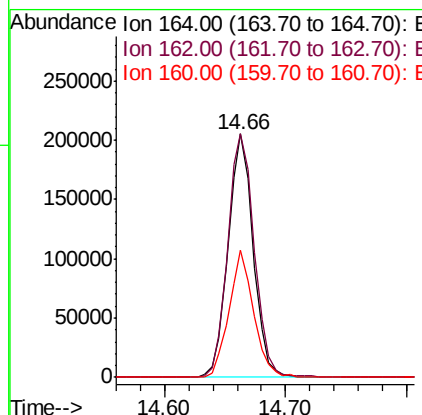
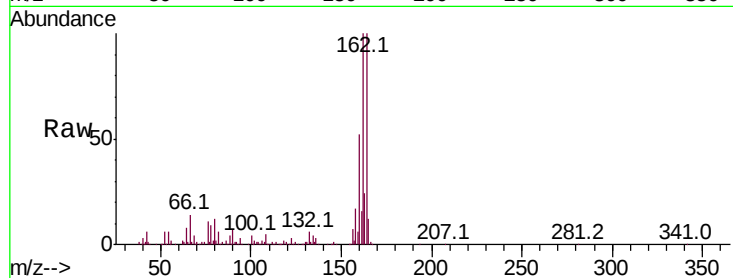




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

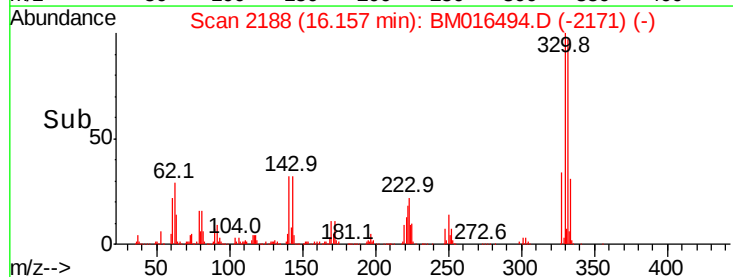
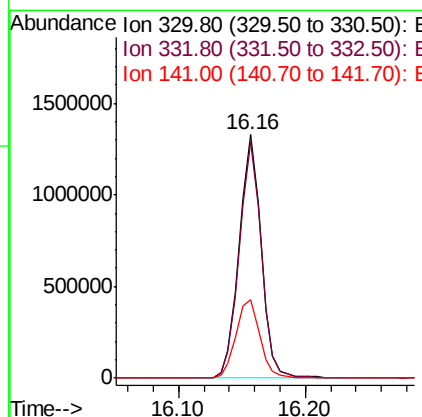
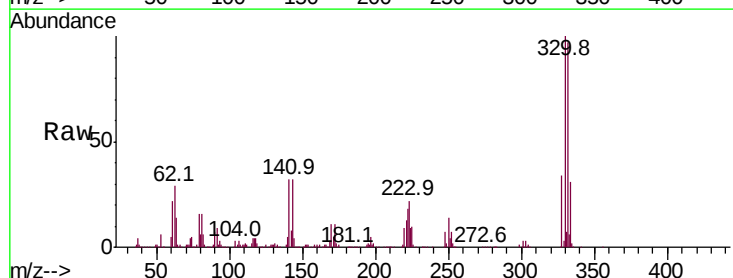
Instrument :
BNA_M
ClientSampled :

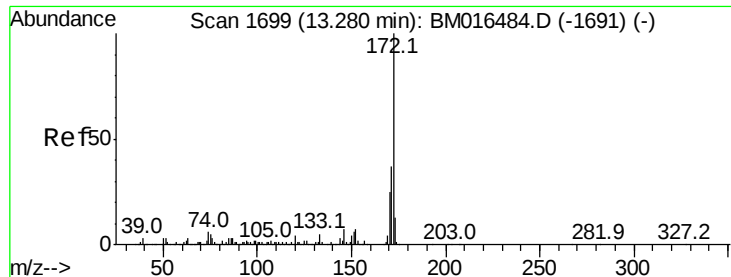
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.4	123.6
160	52.4	35.8	53.6



#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.16 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	34.9	0.0	0.0#

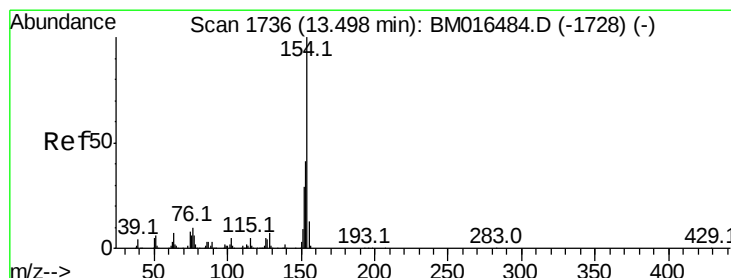
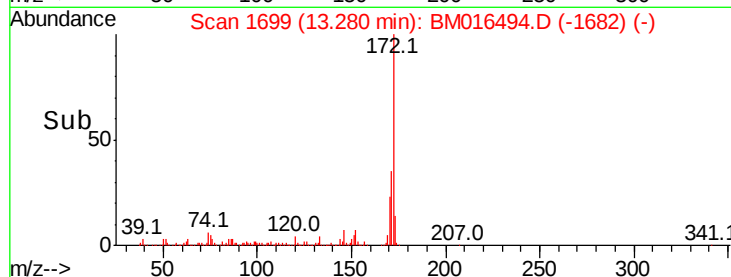
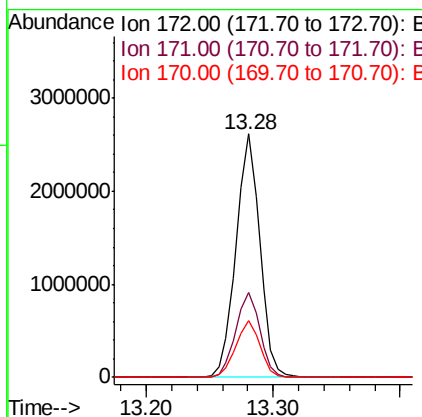
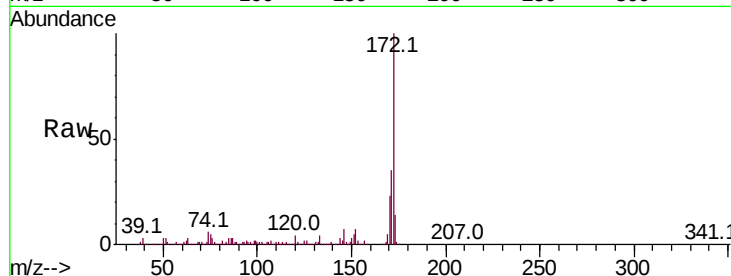




#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 13.28 min Scan# 1699
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

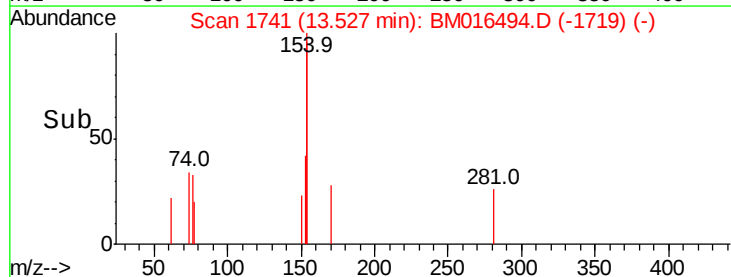
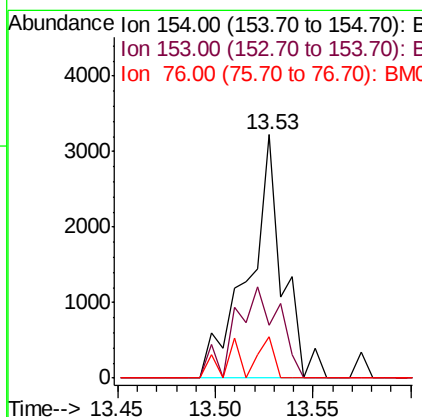
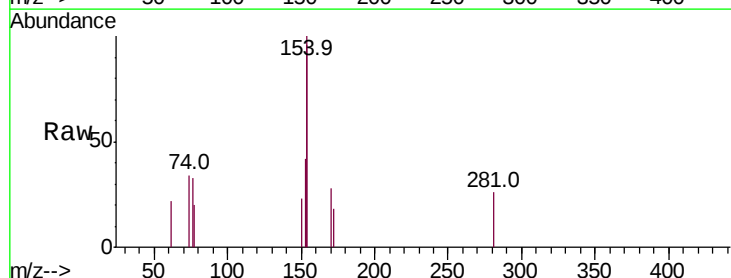
Instrument :
BNA_M
ClientSampleId :

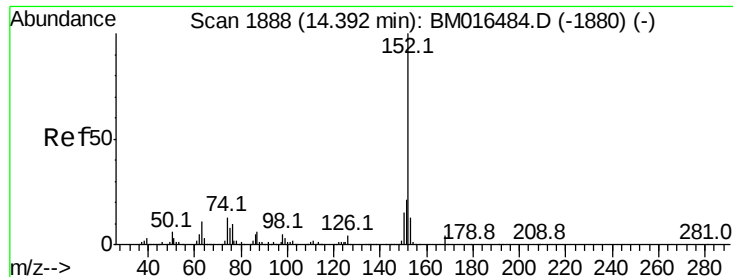
Tot Ion:172 Resp: 3398058
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.3 18.8 28.2



#45
1,1'-Biphenyl
Concen: 0.149 ng
RT: 13.53 min Scan# 1741
Delta R.T. 0.03 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion:154 Resp: 3866
Ion Ratio Lower Upper
154 100
153 21.5 20.7 60.7
76 16.8 0.0 30.9





#48

Acenaphthylene

Concen: 0.076 ng

RT: 14.42 min Scan# 1893

Delta R.T. 0.03 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

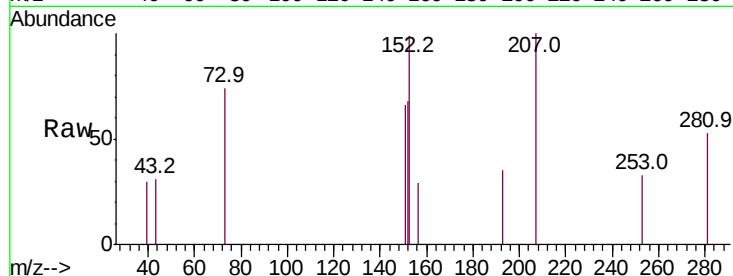
Tot Ion:152 Resp: 2263

Ion Ratio Lower Upper

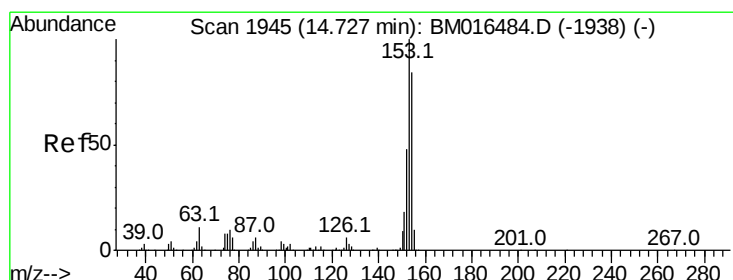
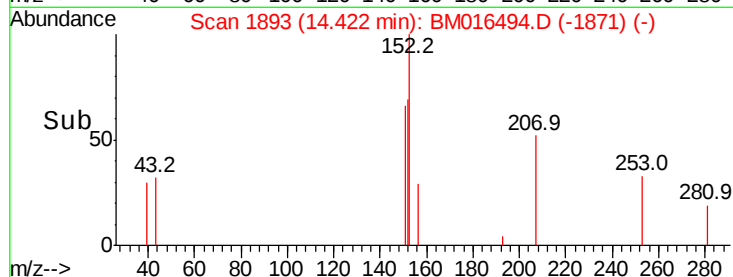
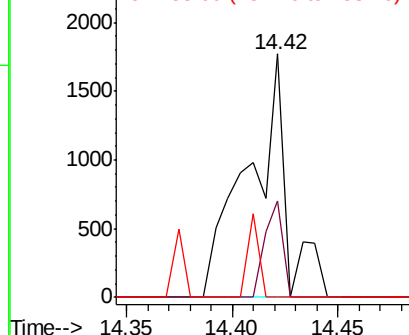
152 100

151 39.4 15.9 23.9#

153 0.0 10.6 16.0#



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



#51

Acenaphthene

Concen: 0.661 ng

RT: 14.73 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

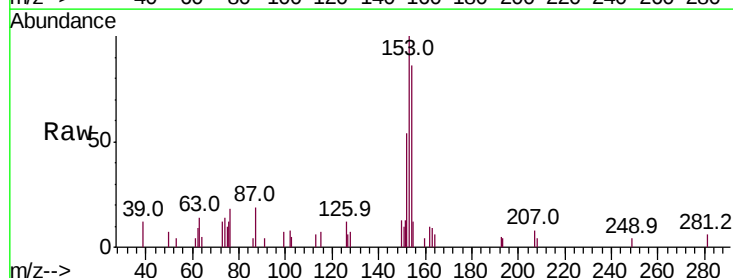
Tgt Ion:154 Resp: 12076

Ion Ratio Lower Upper

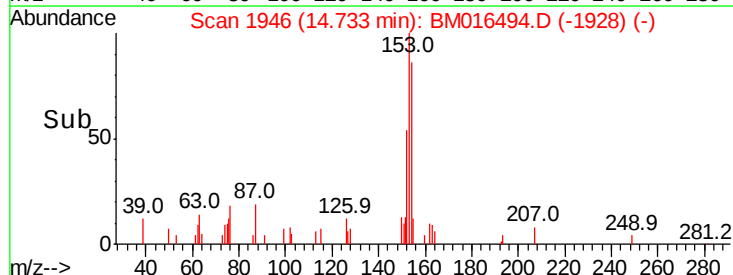
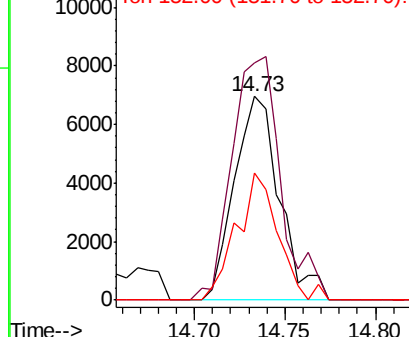
154 100

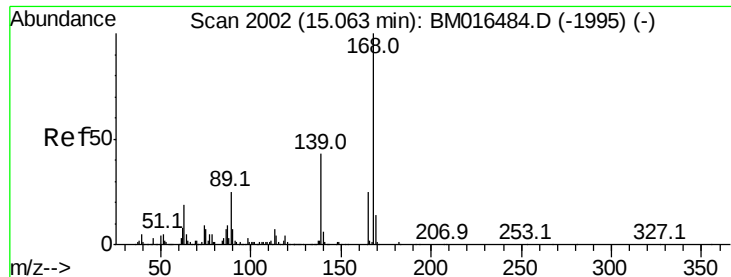
153 116.7 90.0 135.0

152 62.7 42.6 63.8



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





#54

Dibenzofuran

Concen: 0.375 ng

RT: 15.09 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

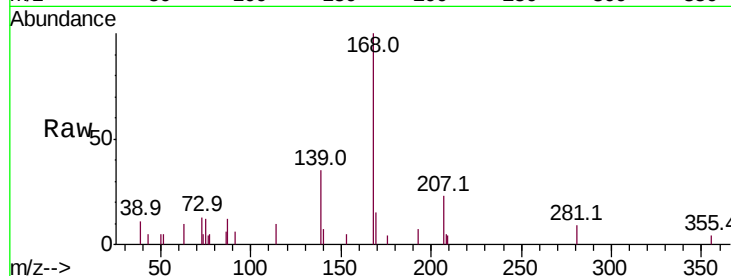
Instrument :

BNA_M

ClientSampleId :

Tot Ion:168 Resp: 13109

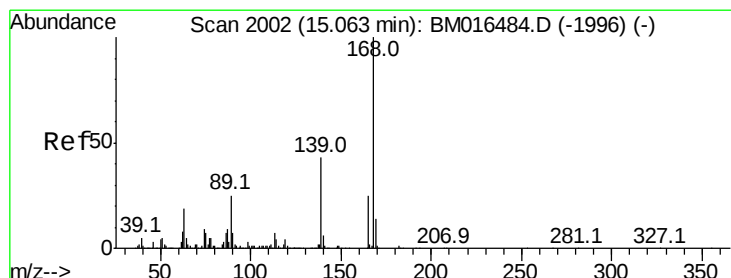
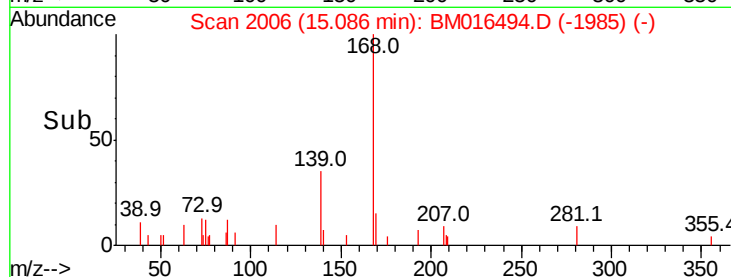
Ion	Ratio	Lower	Upper
168	100		
139	35.4	27.3	40.9
169	14.6	10.6	16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 0.025 ng

RT: 15.00 min Scan# 1992

Delta R.T. -0.06 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Tgt Ion:165 Resp: 233

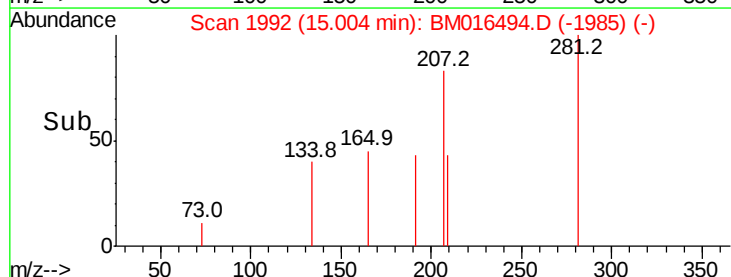
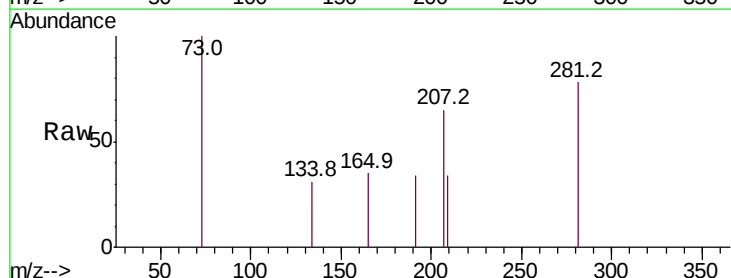
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.4	78.6#
89	0.0	72.4	108.6#
182	0.0	2.0	3.0#

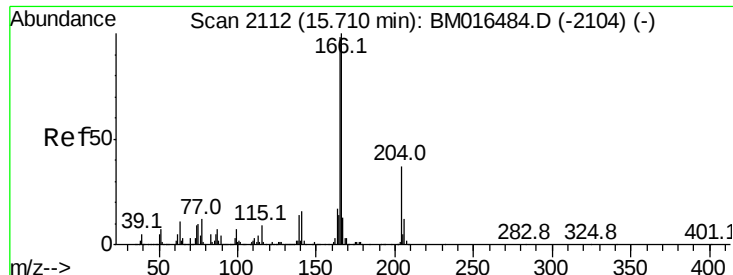
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

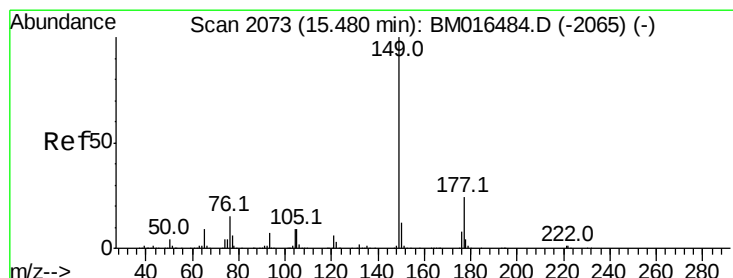
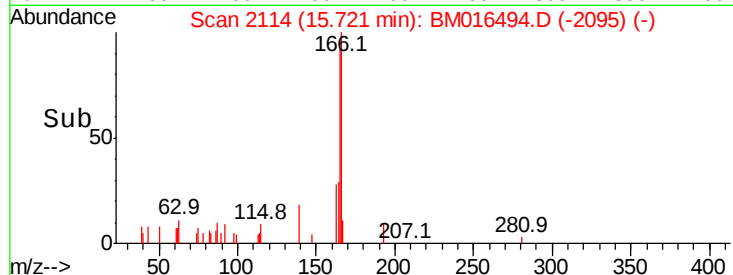
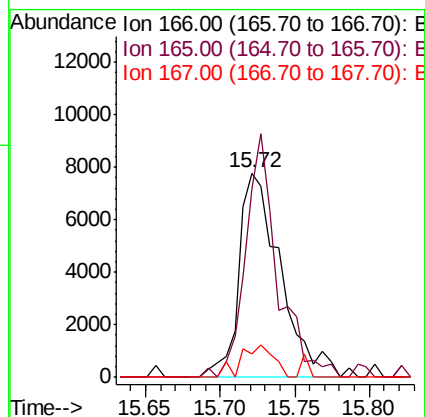
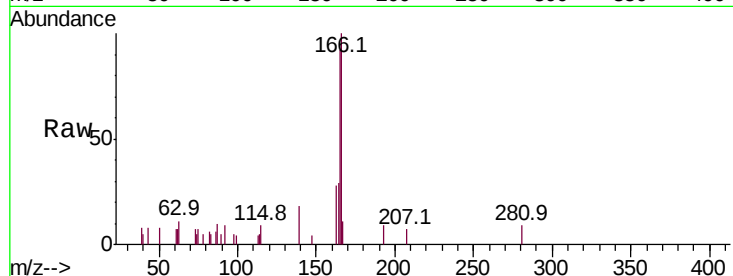




#57
 Fluorene
 Concen: 0.568 ng
 RT: 15.72 min Scan# 2114
 Delta R.T. 0.01 min
 Lab File: BM016494.D
 Acq: 21 Aug 2018 21:29

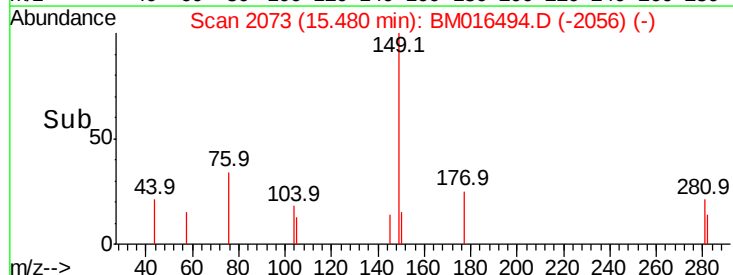
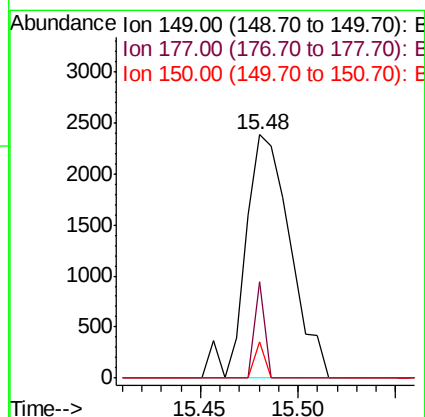
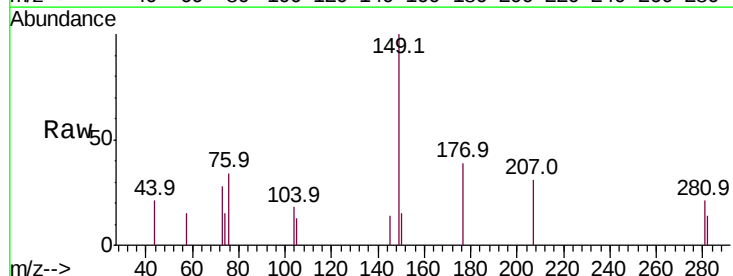
Instrument :
 BNA_M
 ClientSampleId :

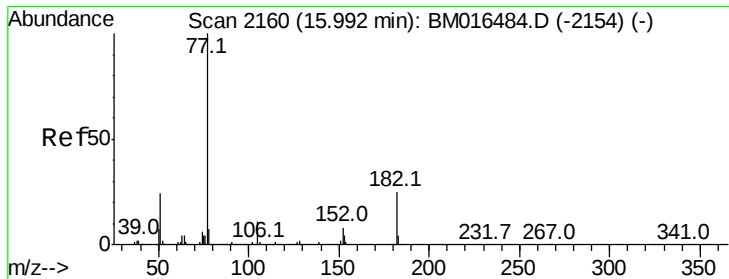
Tot Ion:166 Resp: 15012
 Ion Ratio Lower Upper
 166 100
 165 92.0 79.0 118.4
 167 11.3 10.3 15.5



#59
 Diethylphthalate
 Concen: 0.128 ng
 RT: 15.48 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: BM016494.D
 Acq: 21 Aug 2018 21:29

Tgt Ion:149 Resp: 3782
 Ion Ratio Lower Upper
 149 100
 177 39.4 18.3 27.5#
 150 15.0 9.8 14.8#





#62

Azobenzene

Concen: 0.005 ng

RT: 15.97 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 77 Resp: 162

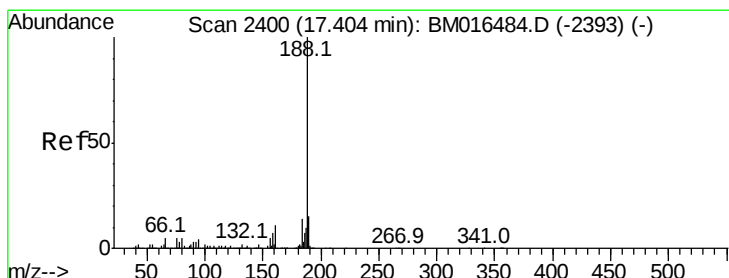
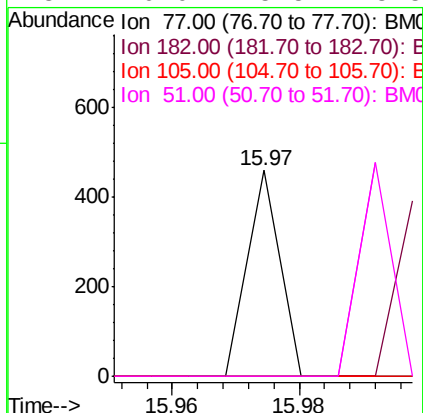
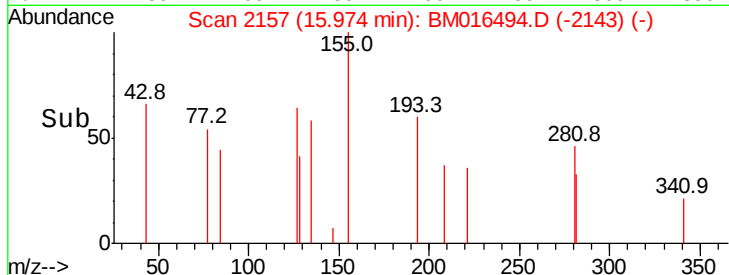
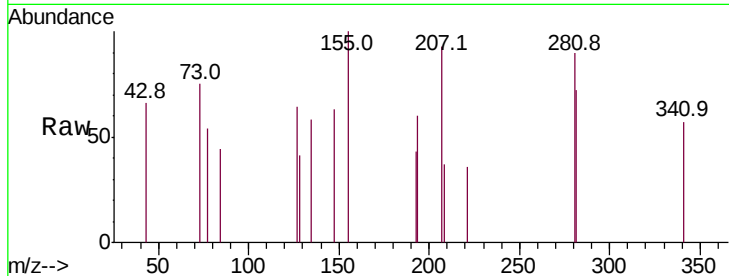
Ion Ratio Lower Upper

77 100

182 0.0 6.5 46.5#

105 0.0 3.8 43.8#

51 0.0 5.5 45.5#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

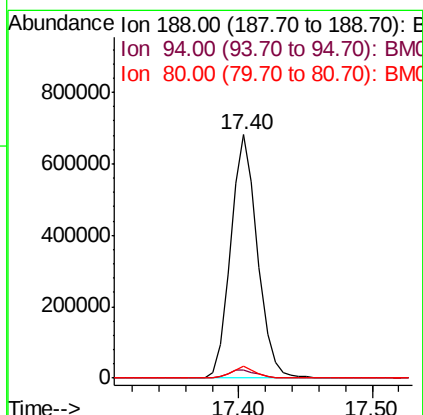
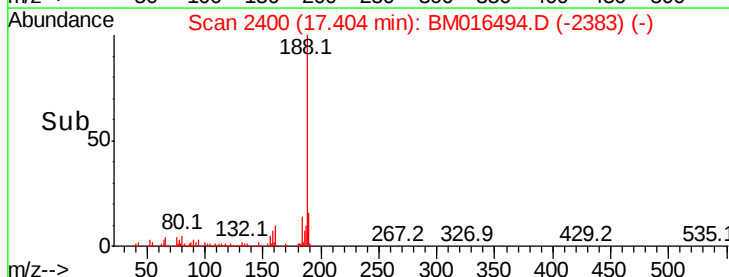
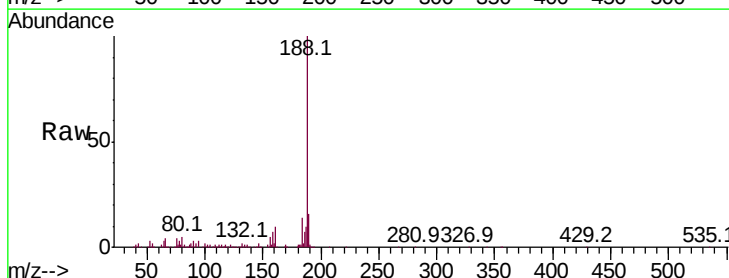
Tgt Ion: 188 Resp: 951061

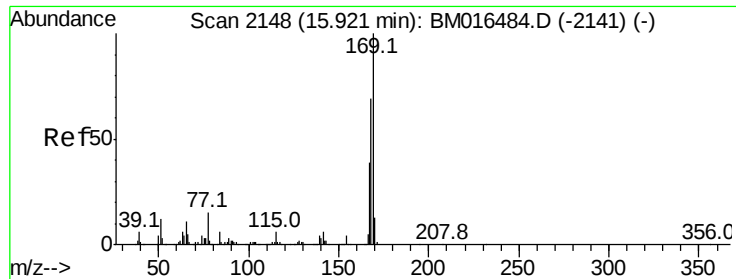
Ion Ratio Lower Upper

188 100

94 3.4 8.7 13.1#

80 4.9 9.3 13.9#

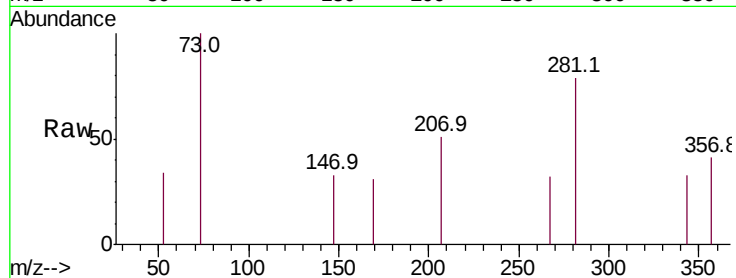




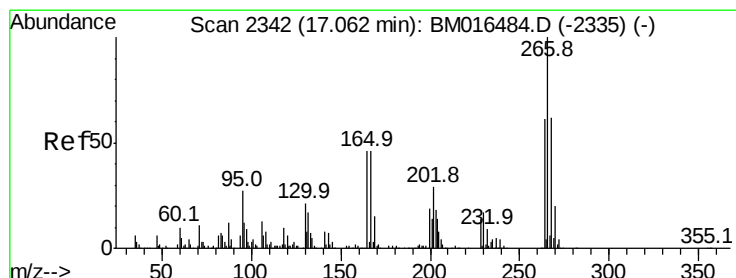
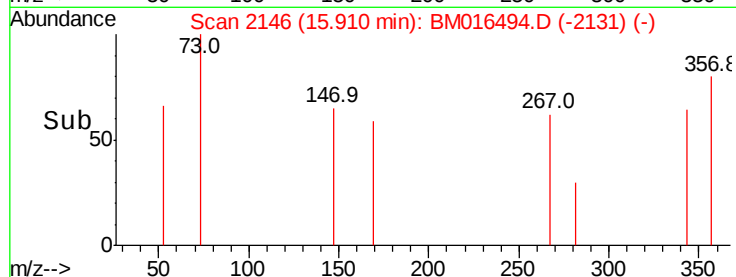
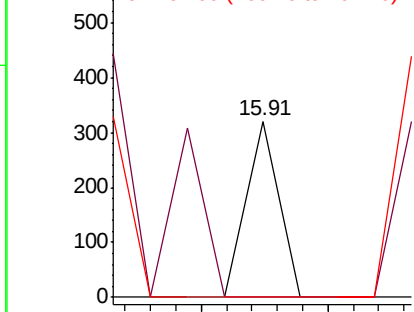
#65
n-Nitrosodiphenylamine
Concen: 0.004 ng
RT: 15.91 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Instrument :
BNA_M
ClientSampleId :

Tot Ion:169 Resp: 113
Ion Ratio Lower Upper
169 100
168 0.0 53.9 80.9#
167 0.0 28.9 43.3#

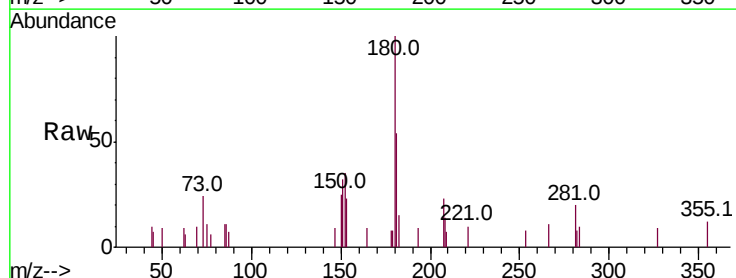


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

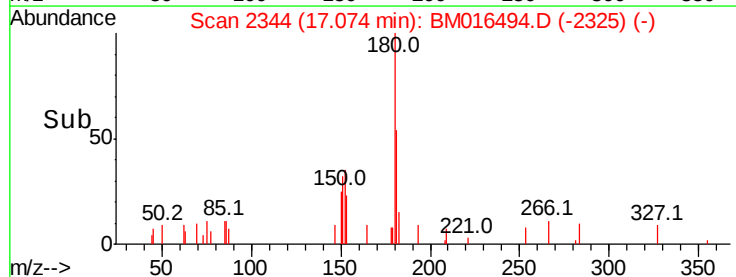
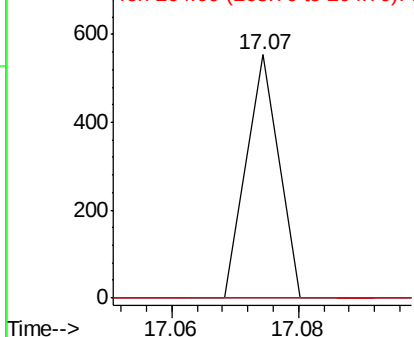


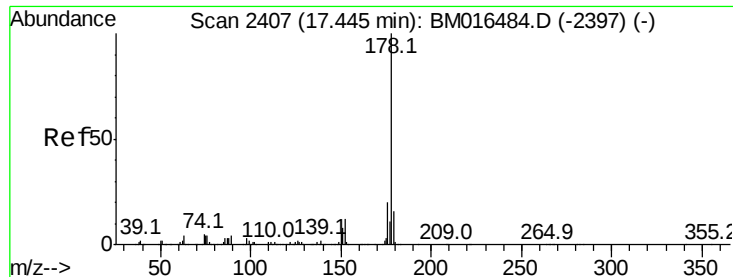
#69
Pentachlorophenol
Concen: 0.022 ng
RT: 17.07 min Scan# 2344
Delta R.T. 0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion:266 Resp: 195
Ion Ratio Lower Upper
266 100
268 0.0 52.0 78.0#
264 0.0 49.0 73.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 1.550 ng

RT: 17.45 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

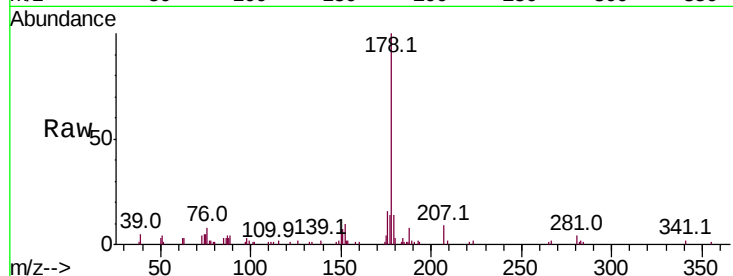
Tot Ion:178 Resp: 76194

Ion	Ratio	Lower	Upper
178	100		
176	16.1	15.2	22.8
179	14.3	12.1	18.1

178 100

176 16.1 15.2 22.8

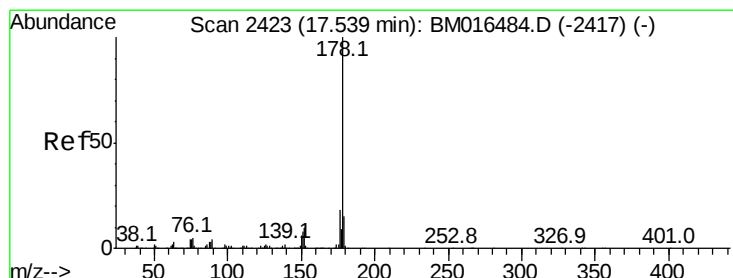
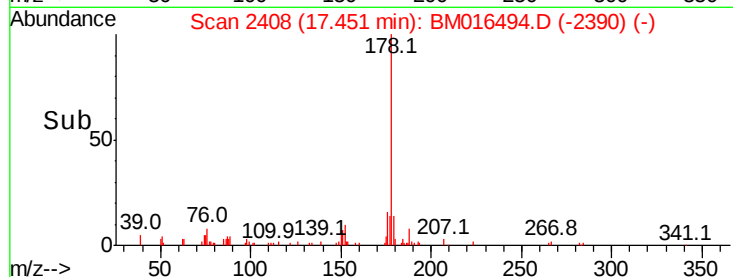
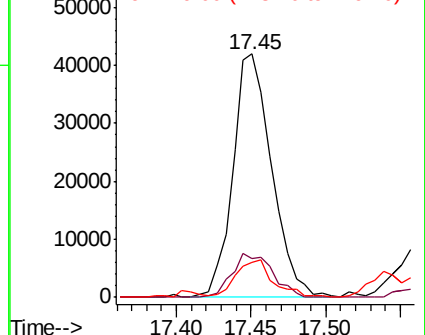
179 14.3 12.1 18.1



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



#71

Anthracene

Concen: 0.307 ng

RT: 17.56 min Scan# 2426

Delta R.T. 0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

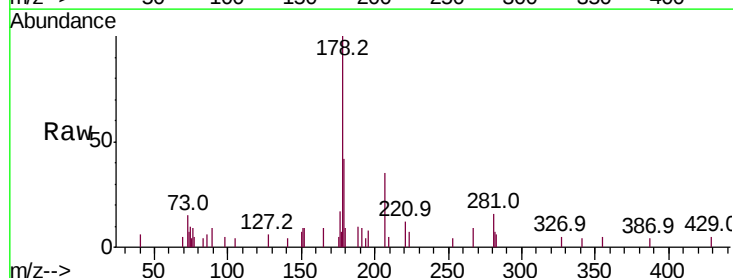
Tgt Ion:178 Resp: 14978

Ion	Ratio	Lower	Upper
178	100		
176	16.9	14.6	22.0
179	42.4	12.6	19.0

178 100

176 16.9 14.6 22.0

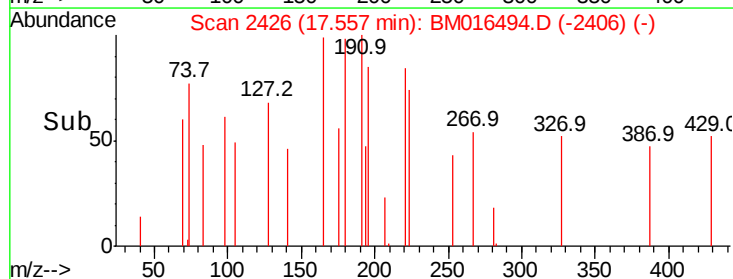
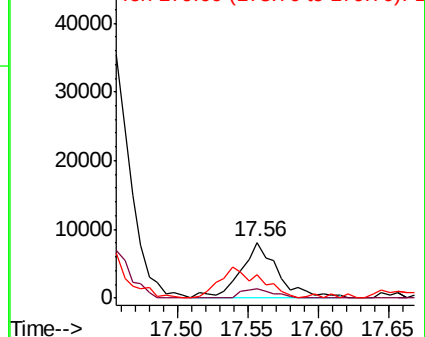
179 42.4 12.6 19.0

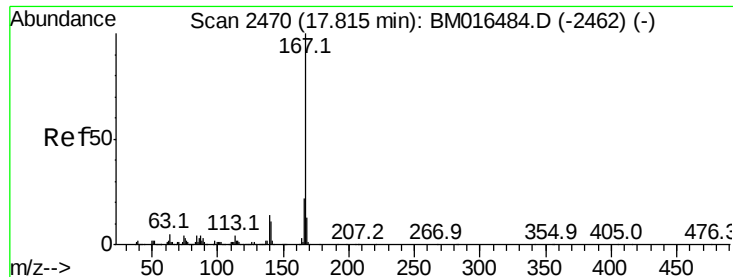


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

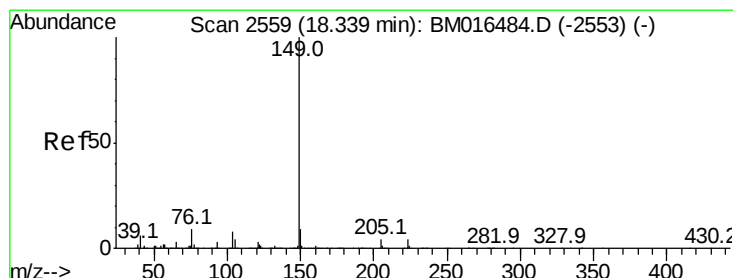
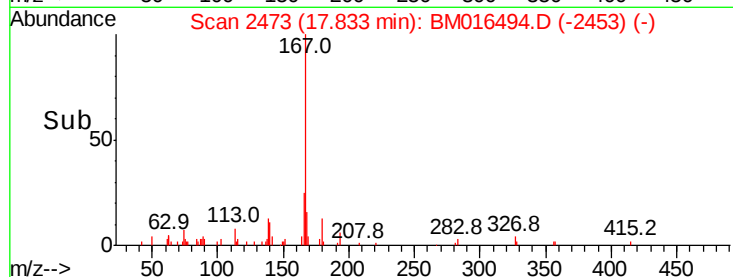
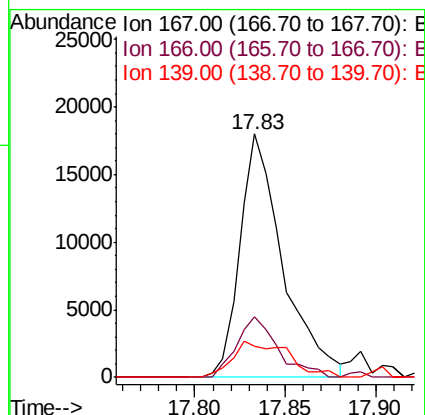
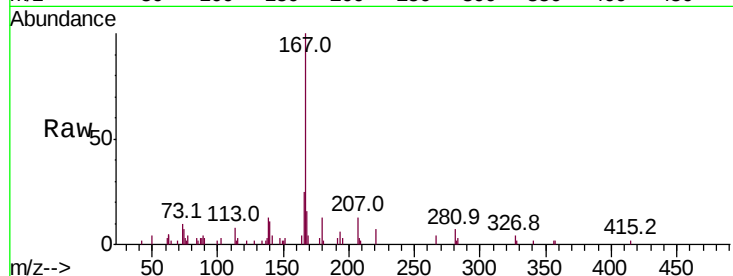




#72
 Carbazole
 Concen: 0.675 ng
 RT: 17.83 min Scan# 2473
 Delta R.T. 0.02 min
 Lab File: BM016494.D
 Acq: 21 Aug 2018 21:29

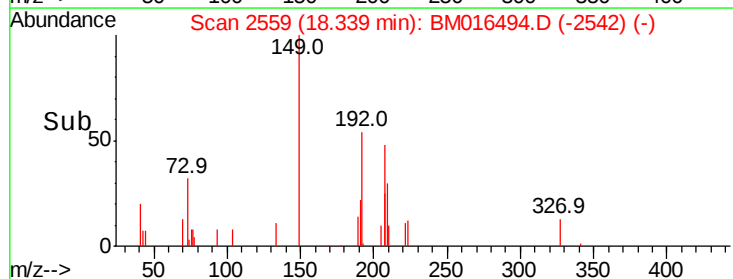
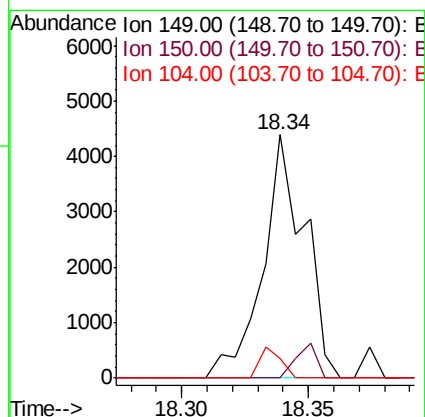
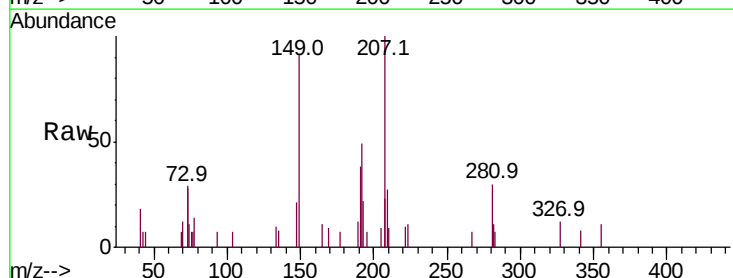
Instrument :
 BNA_M
 ClientSampled :

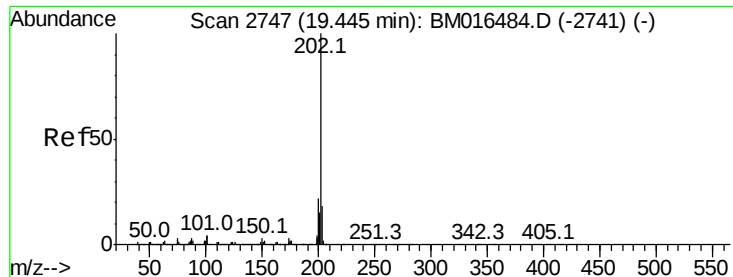
Tot Ion	Ratio	Lower	Upper
167	100		
166	25.1	17.2	25.8
139	13.0	10.8	16.2



#73
 Di-n-butylphthalate
 Concen: 0.094 ng
 RT: 18.34 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BM016494.D
 Acq: 21 Aug 2018 21:29

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.5	11.3#
104	7.9	3.7	5.5#





#74

Fluoranthene

Concen: 0.506 ng

RT: 19.46 min Scan# 2750

Delta R.T. 0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

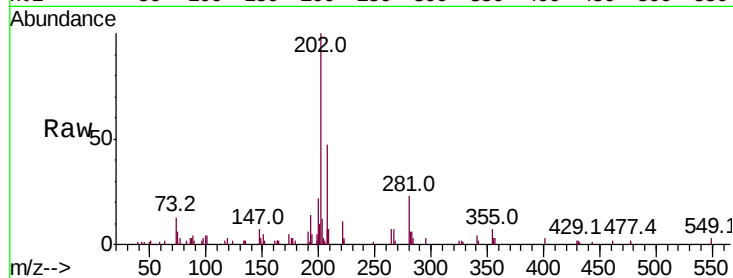
Tot Ion:202 Resp: 36456

Ion Ratio Lower Upper

202 100

101 3.8 0.0 28.7

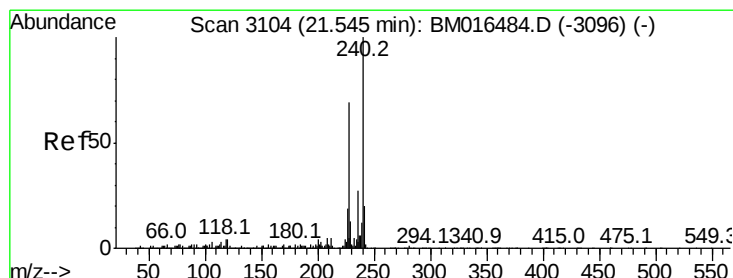
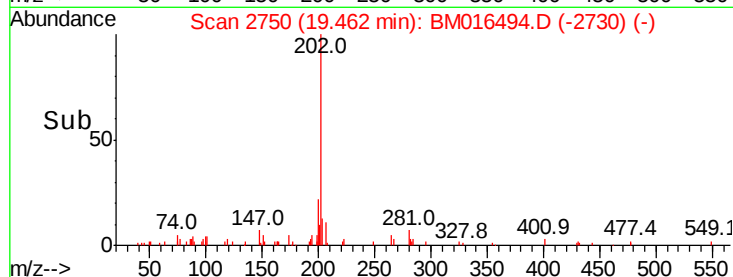
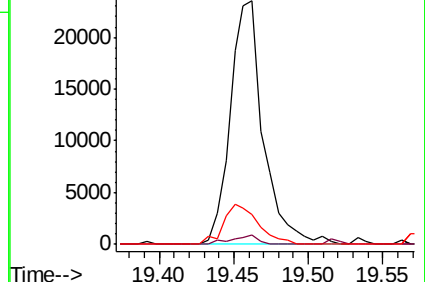
203 12.3 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

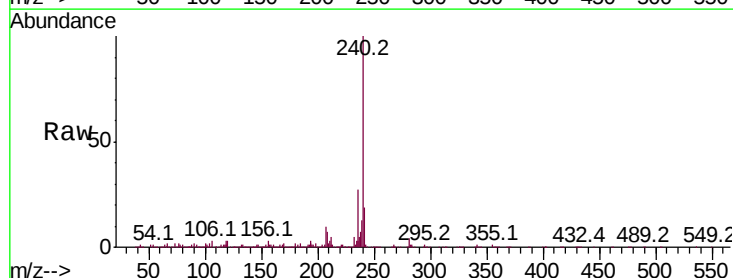
Tgt Ion:240 Resp: 1206429

Ion Ratio Lower Upper

240 100

120 3.2 8.2 12.2#

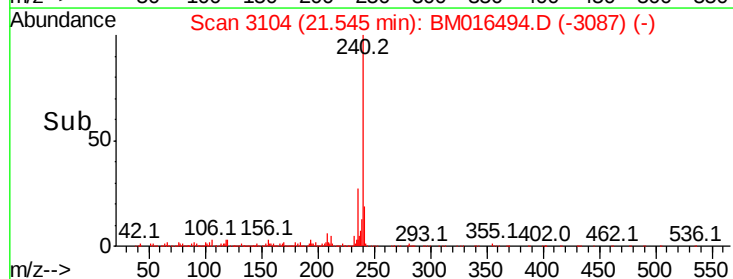
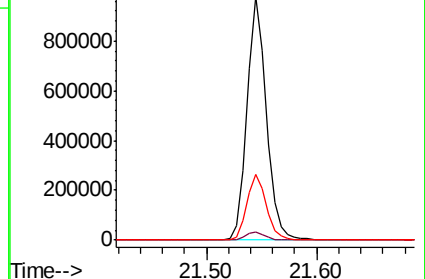
236 26.8 20.0 30.0

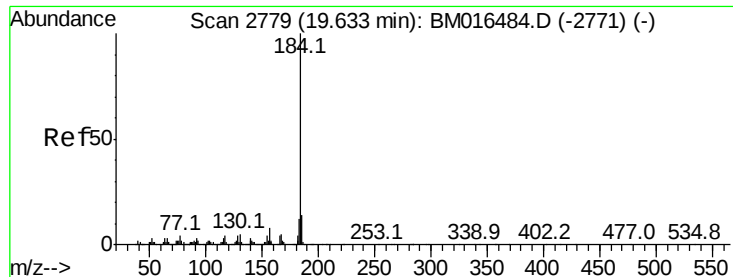


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 0.017 ng

RT: 19.63 min Scan# 2779

Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

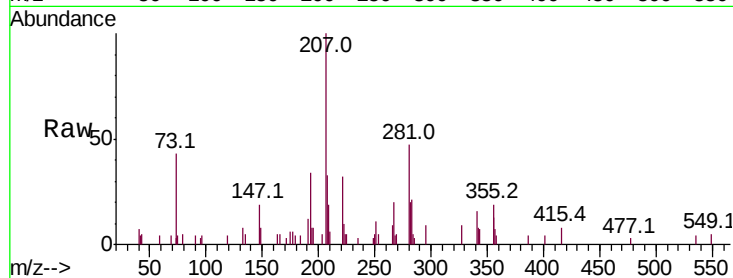
Tot Ion:184 Resp: 402

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

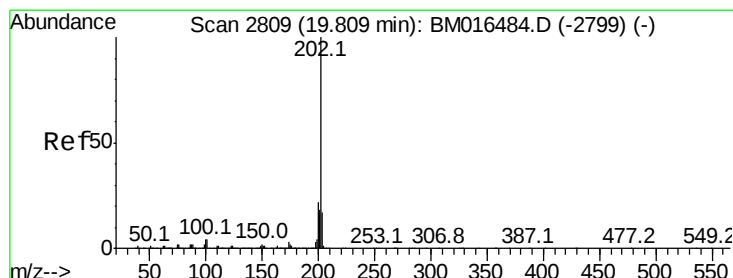
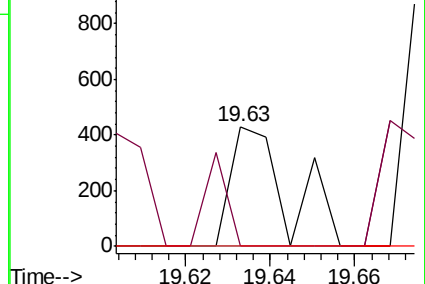
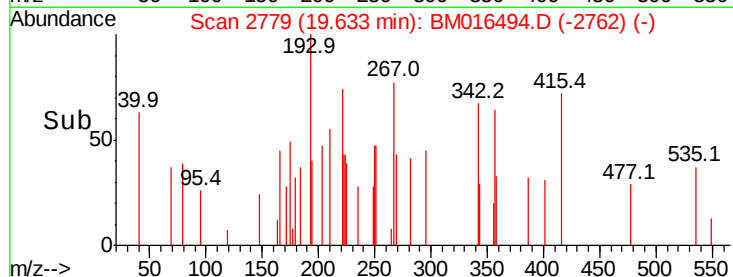
183 0.0 8.9 13.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.352 ng

RT: 19.82 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

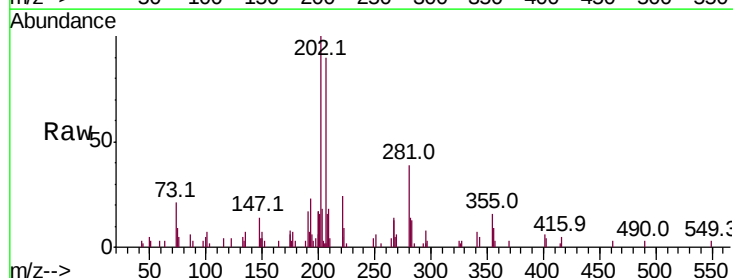
Tgt Ion:202 Resp: 23106

Ion Ratio Lower Upper

202 100

200 34.8 16.9 25.3#

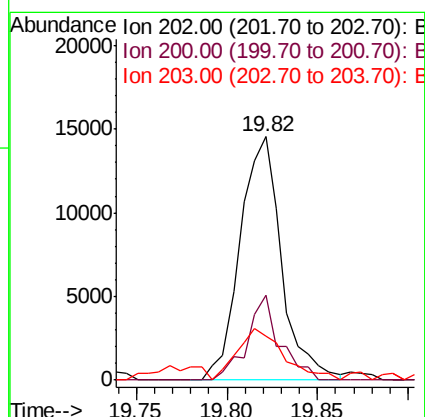
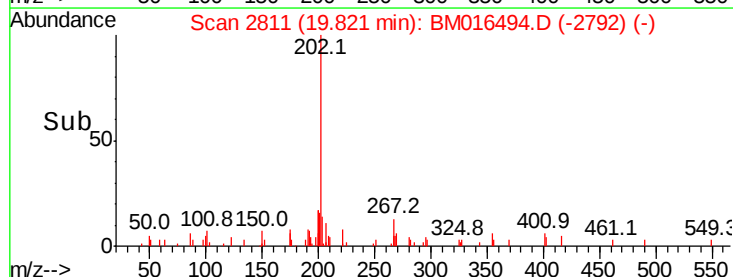
203 18.2 14.1 21.1

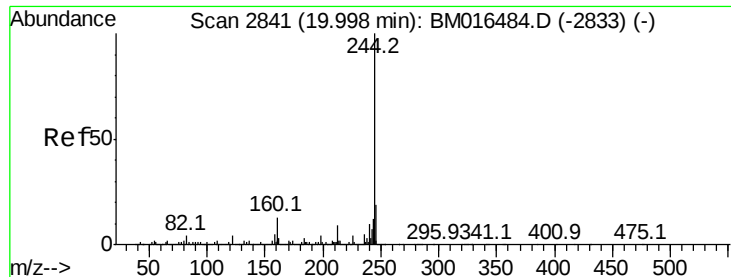


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.352 ng

RT: 19.99 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

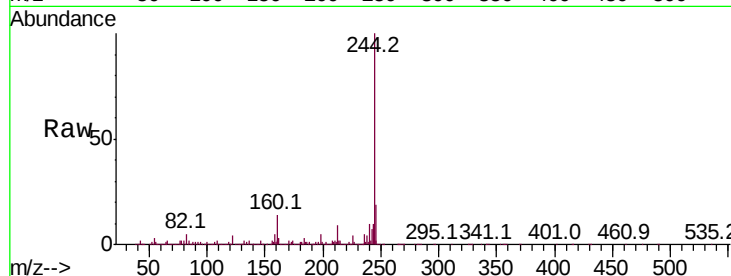
Tot Ion:244 Resp: 9048109

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

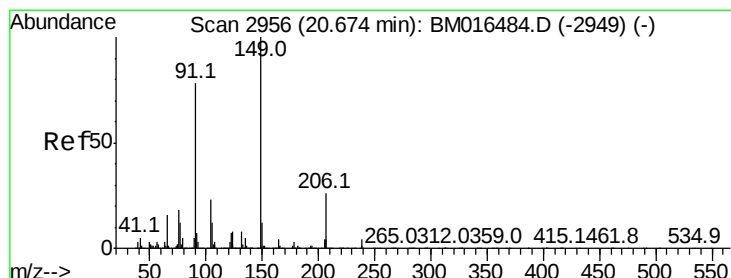
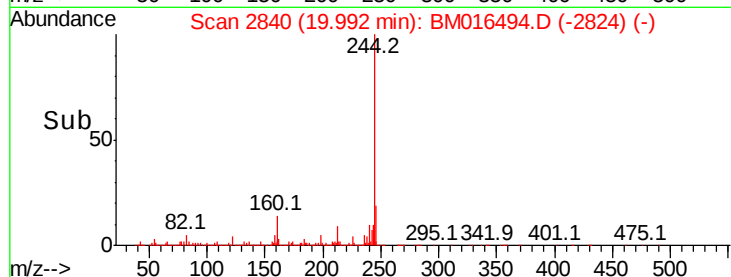
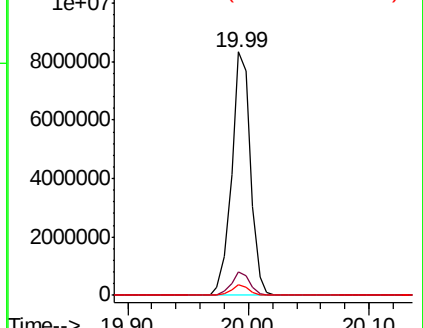
122 4.2 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.023 ng

RT: 20.66 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

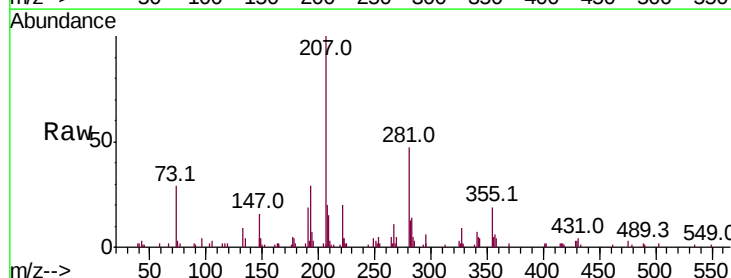
Tgt Ion:149 Resp: 520

Ion Ratio Lower Upper

149 100

91 32.3 50.1 75.1#

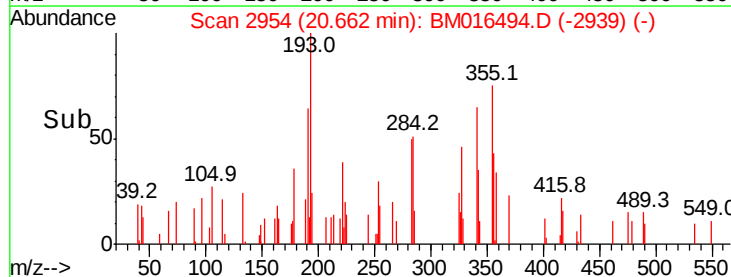
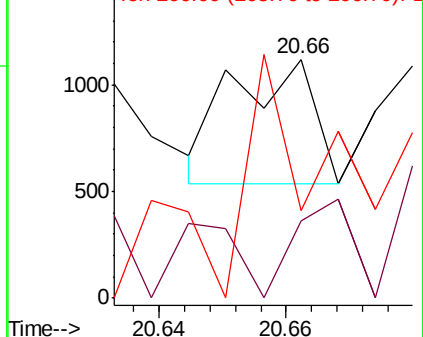
206 36.6 16.2 24.2#

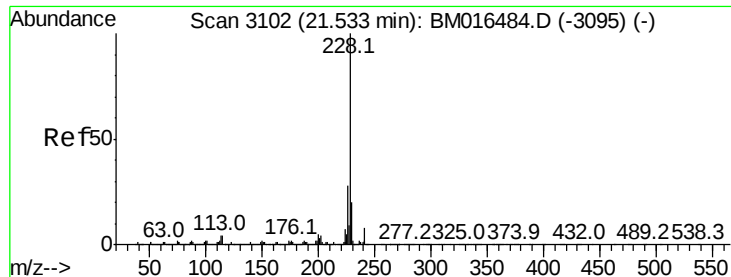


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E

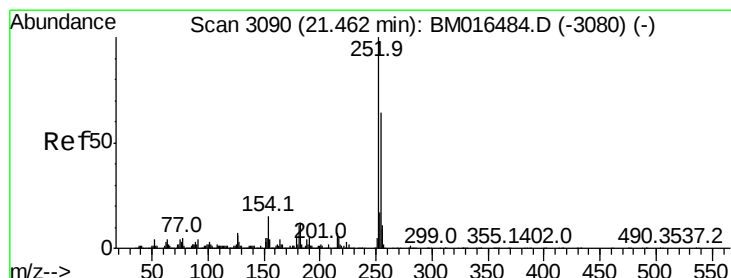
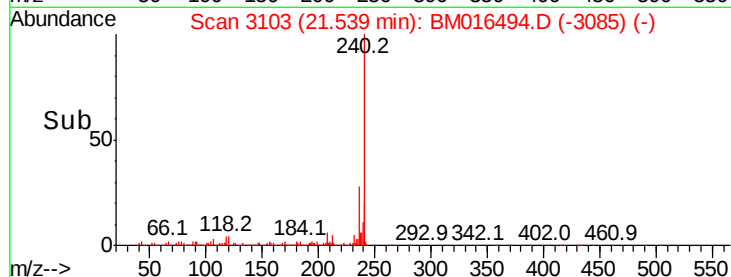
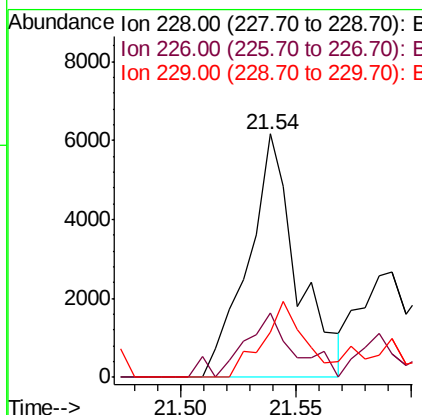
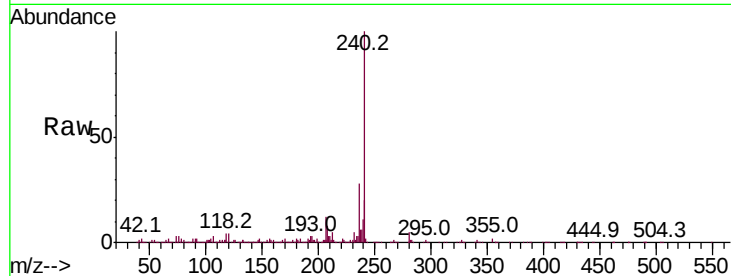




#80
Benzo(a)anthracene
Concen: 0.130 ng
RT: 21.54 min Scan# 3103
Delta R.T. 0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

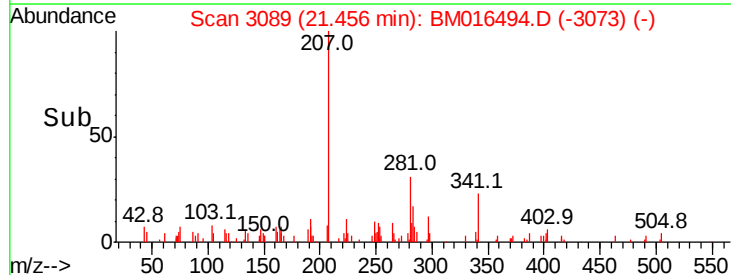
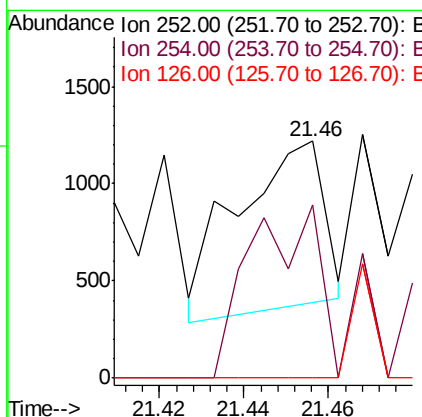
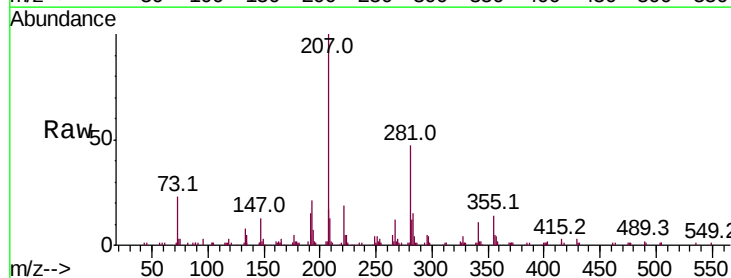
Instrument :
BNA_M
ClientSampleId :

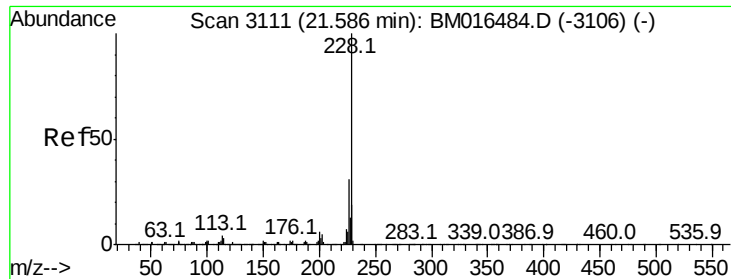
Tot Ion:228 Resp: 9189
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 18.4 16.0 24.0



#81
3,3'-Dichlorobenzidine
Concen: 0.039 ng
RT: 21.46 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion:252 Resp: 1234
Ion Ratio Lower Upper
252 100
254 73.0 51.9 77.9
126 0.0 9.8 14.8#





#82

Chrysene

Concen: 0.136 ng

RT: 21.54 min Scan# 3103

Delta R.T. -0.05 min

Lab File: BM016494.D

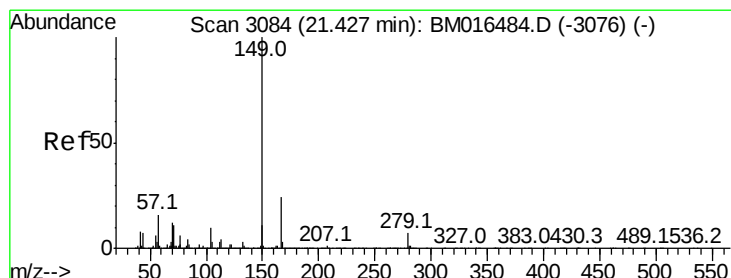
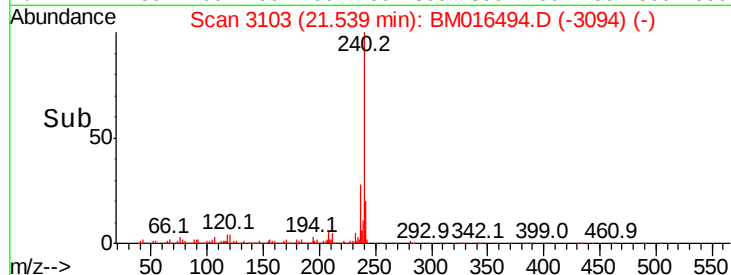
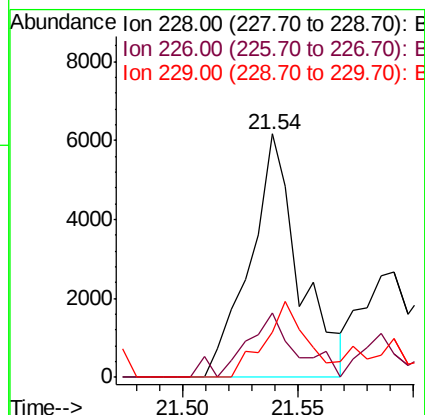
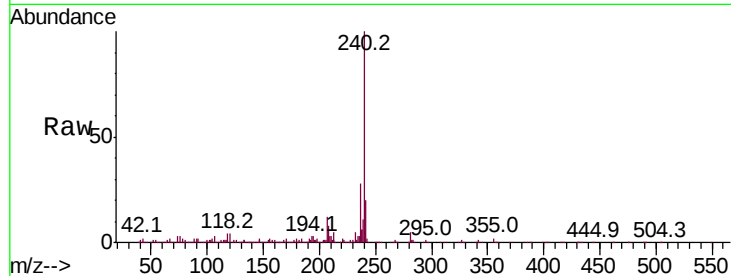
Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228	Resp:	9189
Ion	Ratio	Lower Upper
228	100	
226	26.4	24.1 36.1
229	18.4	15.5 23.3



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

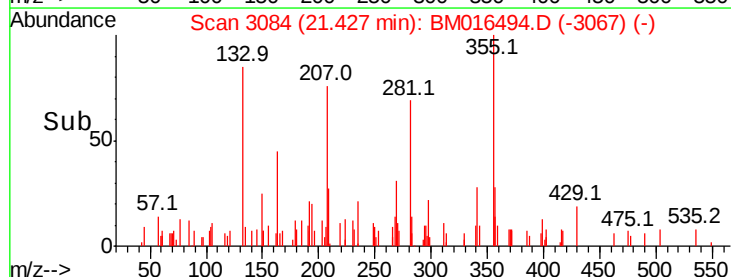
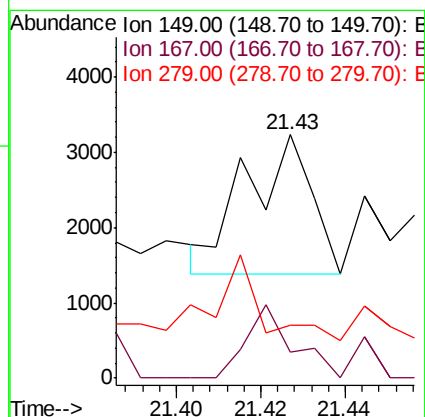
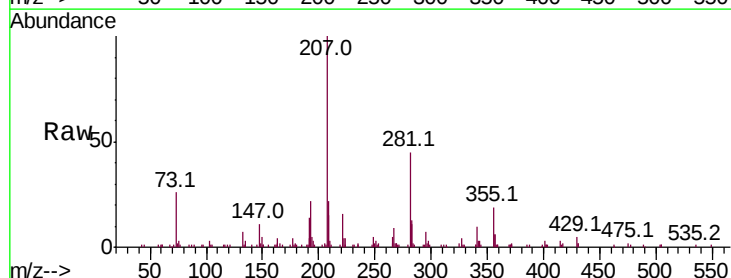
RT: 21.43 min Scan# 3084

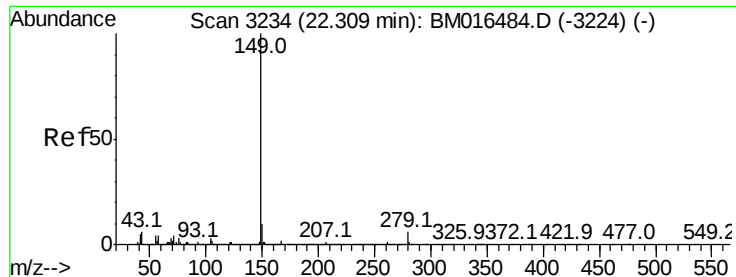
Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Tgt Ion:149	Resp:	1984
Ion	Ratio	Lower Upper
149	100	
167	10.5	22.4 33.6#
279	21.7	3.4 5.0#

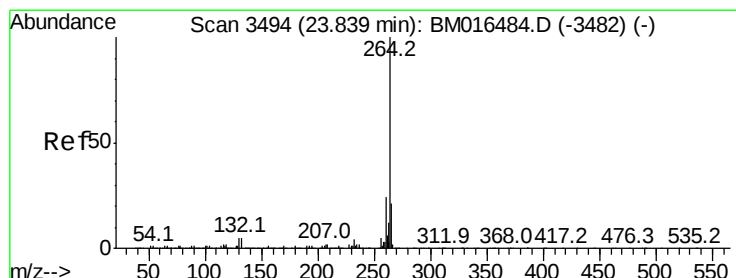
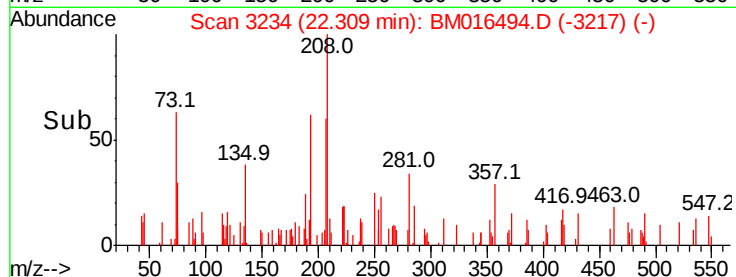
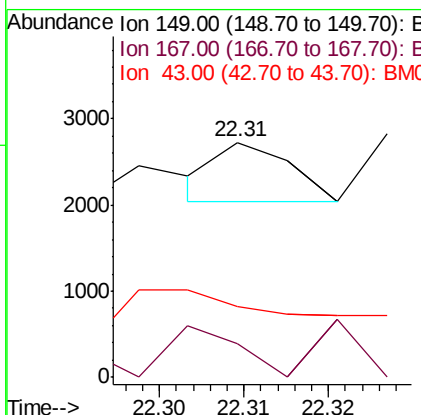
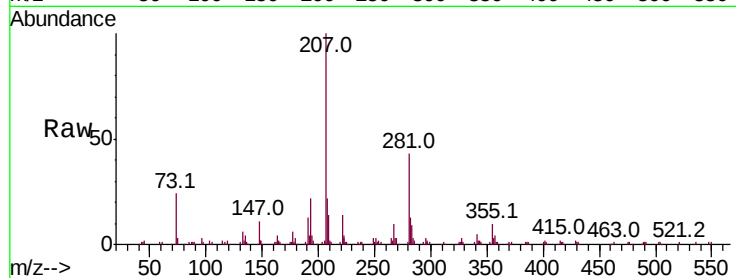




#84
Di-n-octyl phthalate
Concen: 0.007 ng
RT: 22.31 min Scan# 3234
Delta R.T. 0.00 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

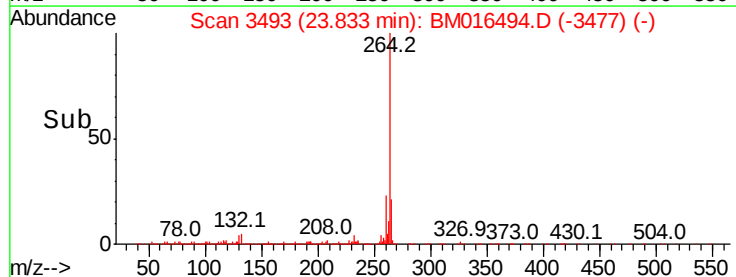
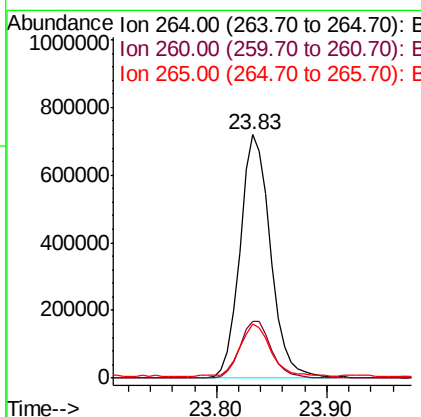
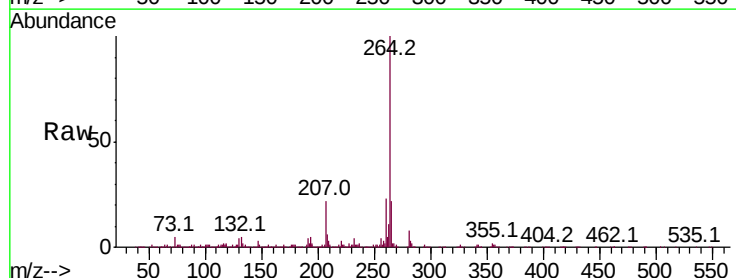
Instrument :
BNA_M
ClientSampleId :

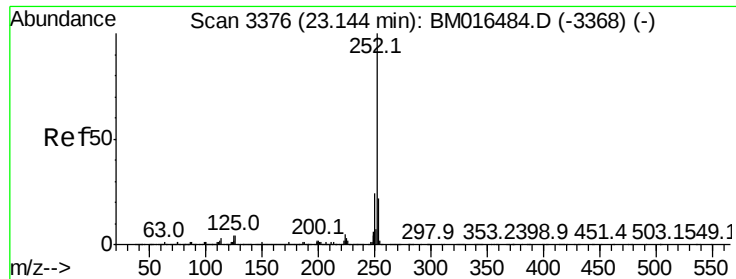
Tot Ion:149 Resp: 414
Ion Ratio Lower Upper
149 100
167 84.3 1.2 1.8#
43 297.1 7.3 10.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.83 min Scan# 3493
Delta R.T. -0.01 min
Lab File: BM016494.D
Acq: 21 Aug 2018 21:29

Tgt Ion:264 Resp: 1400250
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 22.2 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 0.013 ng

RT: 23.11 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

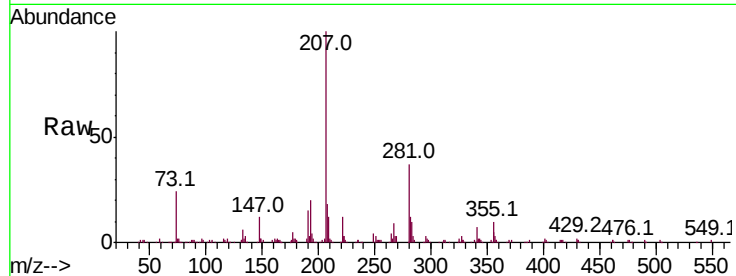
Tot Ion:252 Resp: 1052

Ion Ratio Lower Upper

252 100

253 99.0 18.0 27.0#

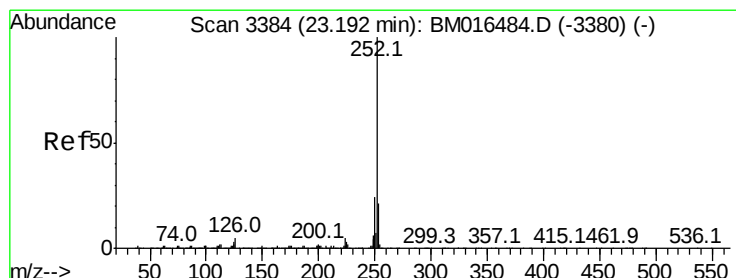
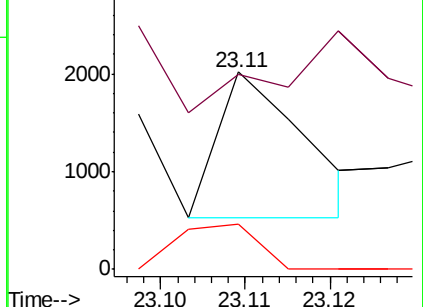
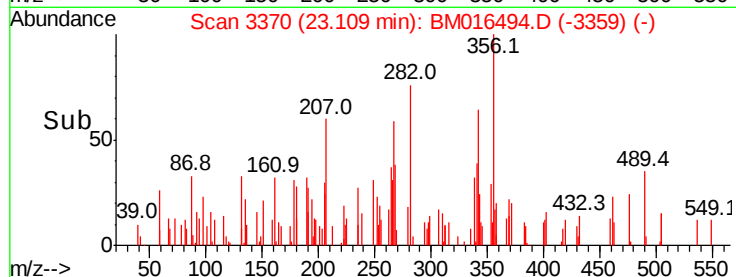
125 23.0 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.066 ng

RT: 23.17 min Scan# 3381

Delta R.T. -0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

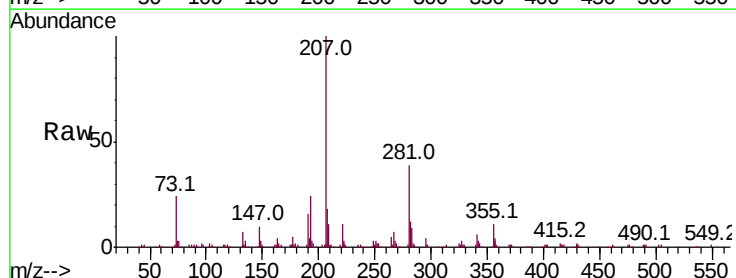
Tgt Ion:252 Resp: 5384

Ion Ratio Lower Upper

252 100

253 87.3 17.2 25.8#

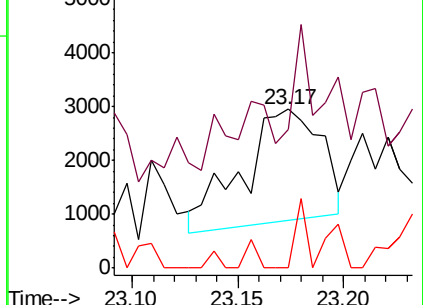
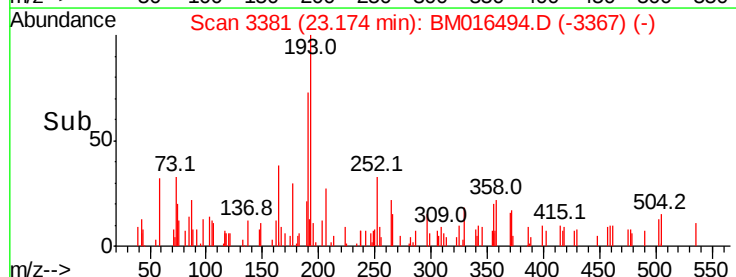
125 0.0 8.1 12.1#

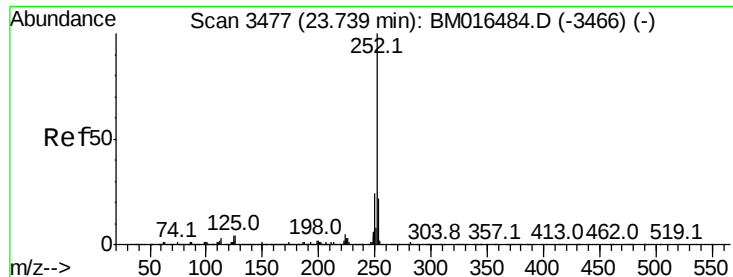


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.006 ng

RT: 23.72 min Scan# 3473

Delta R.T. -0.02 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampled :

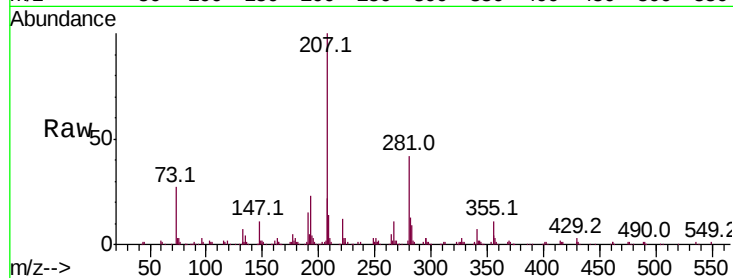
Tot Ion:252 Resp: 440

Ion Ratio Lower Upper

252 100

253 179.2 17.6 26.4#

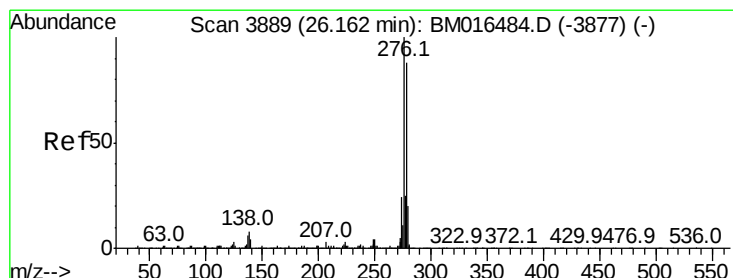
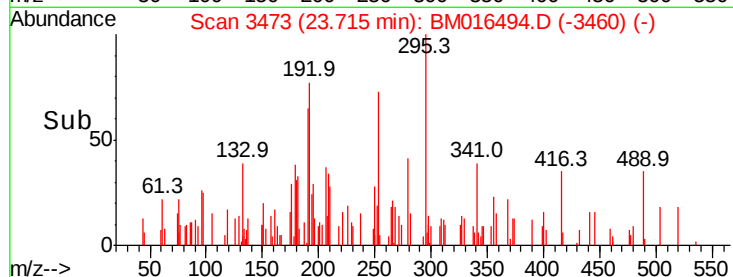
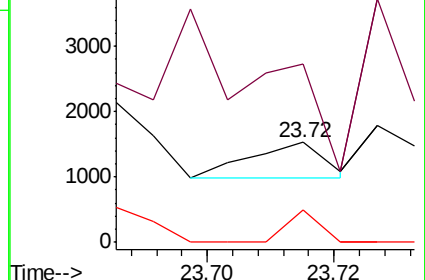
125 32.6 7.4 11.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 26.17 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

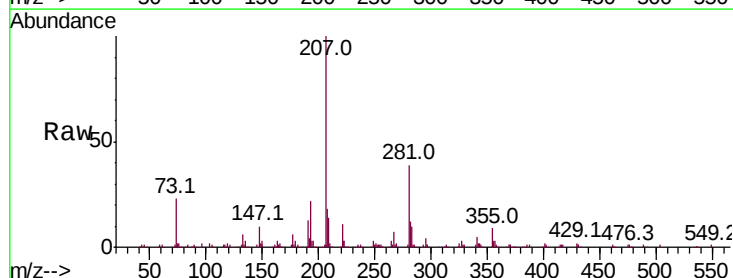
Tgt Ion:278 Resp: 323

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

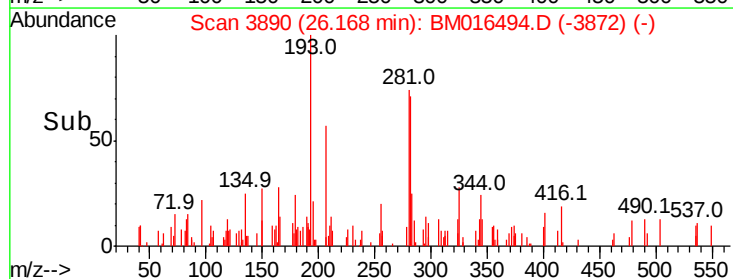
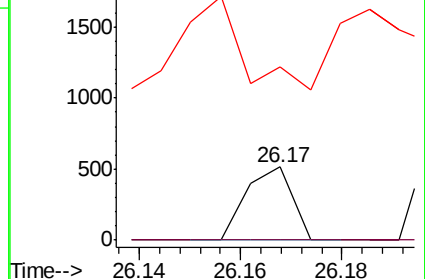
279 237.0 19.0 28.4#

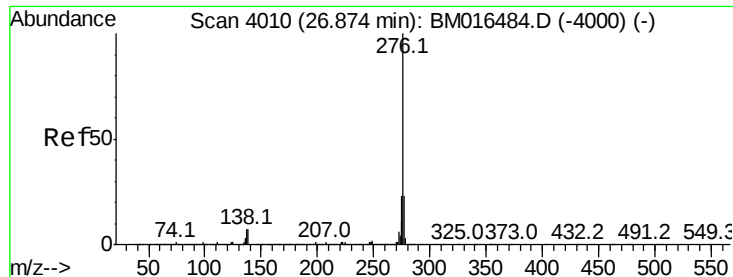


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.002 ng

RT: 26.87 min Scan# 4010

Delta R.T. 0.00 min

Lab File: BM016494.D

Acq: 21 Aug 2018 21:29

Instrument :

BNA_M

ClientSampleId :

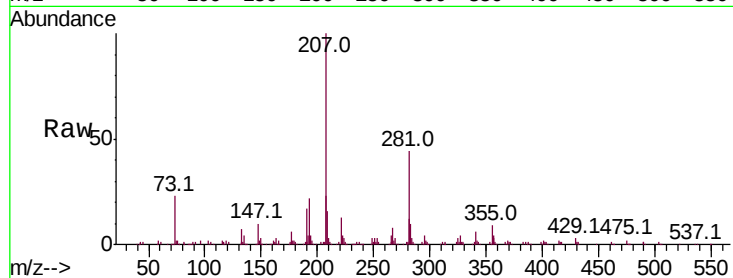
Tot Ion: 276 Resp: 132

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 0.0 19.0 28.6#



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

