

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033514.D
 Acq On : 17 Dec 2021 20:06
 Operator : CG/JU
 Sample : M5084-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 18 04:56:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 17:10:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

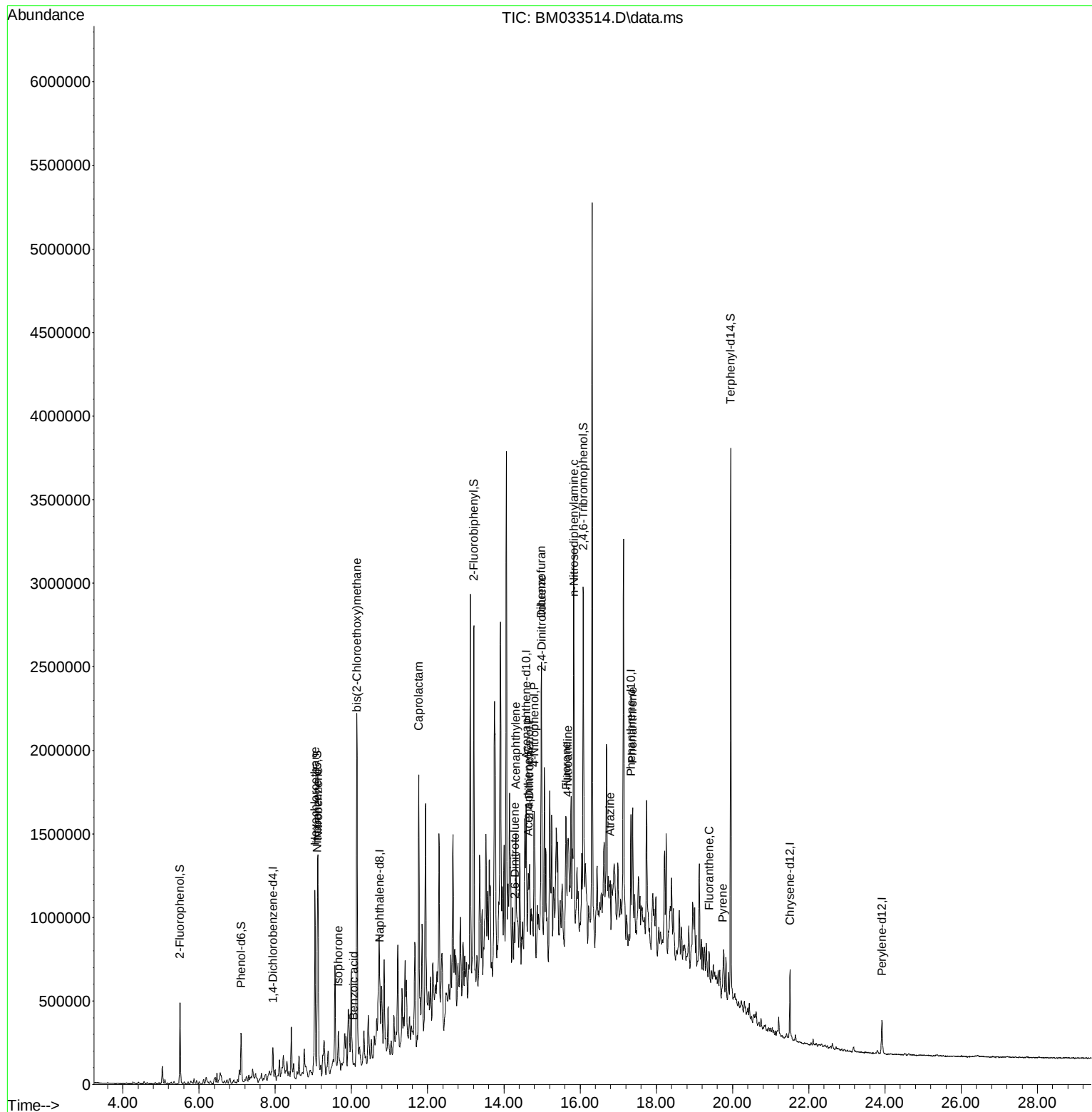
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	43023	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	192928	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	151221	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	294334	20.000	ng	0.00
76) Chrysene-d12	21.506	240	186542	20.000	ng	# 0.00
86) Perylene-d12	23.918	264	148102	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	165068	66.204	ng	0.00
7) Phenol-d6	7.101	99	133527	39.906	ng	-0.01
23) Nitrobenzene-d5	9.107	82	436551	97.158	ng	0.00
42) 2,4,6-Tribromophenol	16.083	330	245875	144.541	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	1029637	94.187	ng	0.00
79) Terphenyl-d14	19.953	244	1365372	115.231	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.378	88	126	Below Cal	#	1
9) Benzaldehyde	7.060	77	2071	Below Cal	#	7
18) Hexachloroethane	9.042	117	108072	76.968	ng	# 1
24) Nitrobenzene	9.125	77	35247	7.986	ng	# 15
25) Isophorone	9.654	82	21263	2.923	ng	# 1
28) bis(2-Chloroethoxy)met...	10.148	93	10085	2.524	ng	# 48
32) Benzoic acid	10.060	122	764	3.369	ng	# 1
35) Caprolactam	11.766	113	50552	88.555	ng	# 48
49) Acenaphthylene	14.313	152	31024	2.262	ng	# 1
51) 2,6-Dinitrotoluene	14.283	165	4544	2.099	ng	88
52) Acenaphthene	14.648	154	84487	10.144	ng	94
54) 2,4-Dinitrophenol	14.671	184	482	7.431	ng	# 1
55) Dibenzofuran	14.983	168	93545	6.627	ng	# 23
56) 4-Nitrophenol	14.795	139	42656	29.017	ng	# 43
57) 2,4-Dinitrotoluene	14.989	165	27996	9.457	ng	# 45
58) Fluorene	15.636	166	187001	16.509	ng	# 95
62) 4-Nitroaniline	15.671	138	515	2.799	ng	# 24
66) n-Nitrosodiphenylamine	15.842	169	149768	17.140	ng	# 57
69) Atrazine	16.789	200	5034	2.717	ng	# 51
71) Phenanthrene	17.377	178	366530	22.375	ng	# 95
75) Fluoranthene	19.389	202	68046	3.611	ng	92
78) Pyrene	19.747	202	101087	6.868	ng	# 91

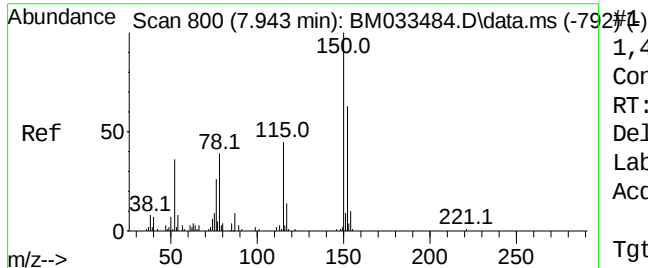
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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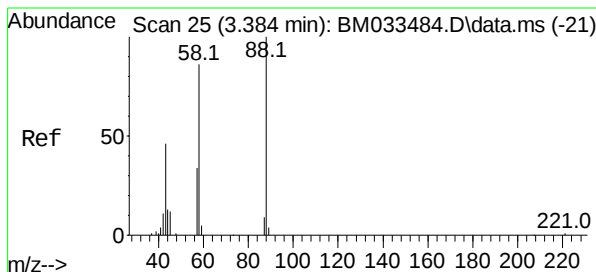
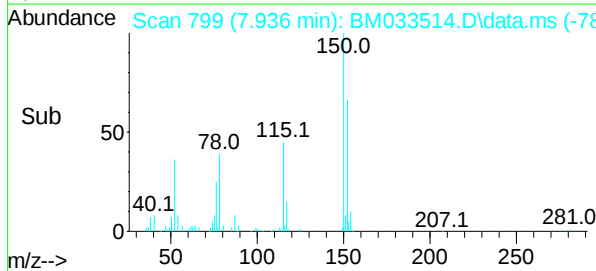
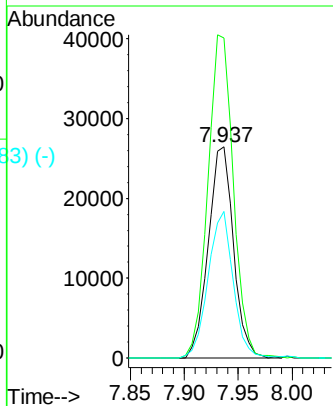
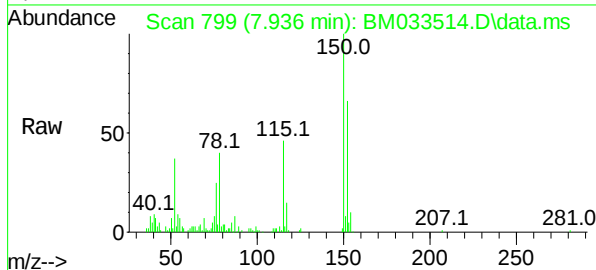




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.936 min Scan#
 Delta R.T. -0.006 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

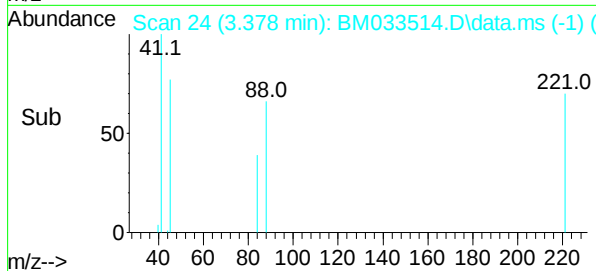
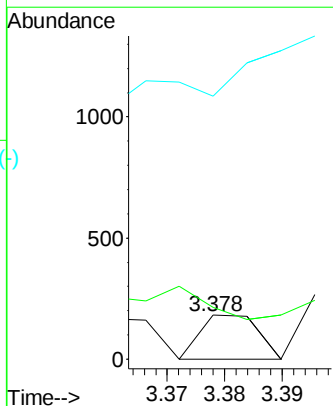
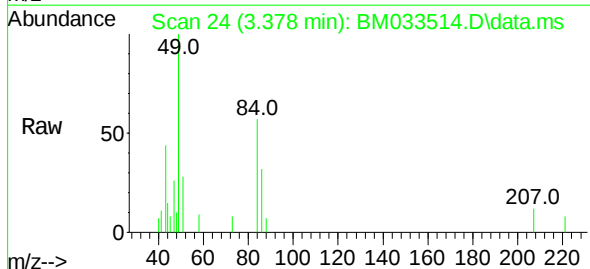
Instrument :
 BNA_M
 ClientSampleId :

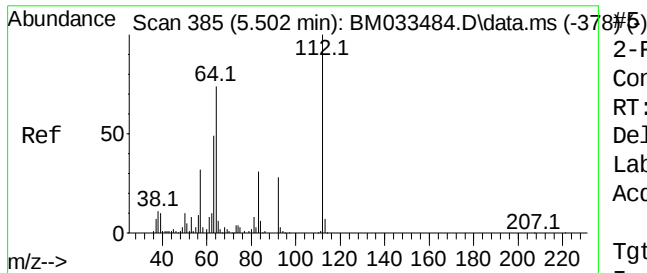
Tgt Ion:152 Resp: 43023
 Ion Ratio Lower Upper
 152 100
 150 151.5 128.9 193.3
 115 69.4 53.0 79.6



1,4-Dioxane
 Concen: Below Cal
 RT: 3.378 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion: 88 Resp: 126
 Ion Ratio Lower Upper
 88 100
 58 193.7 67.0 100.4#
 43 0.0 31.6 47.4#





2-Fluorophenol

Concen: 66.204 ng

RT: 5.501 min Scan#

Delta R.T. -0.001 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :

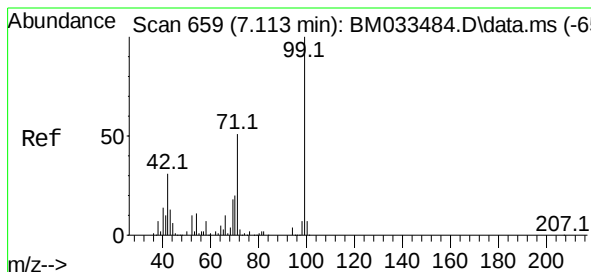
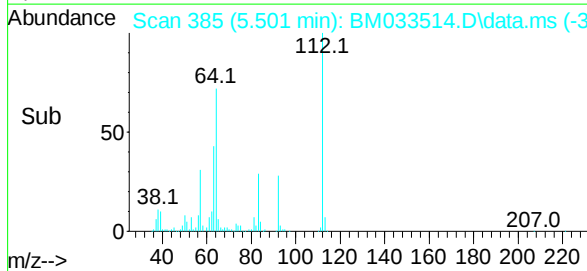
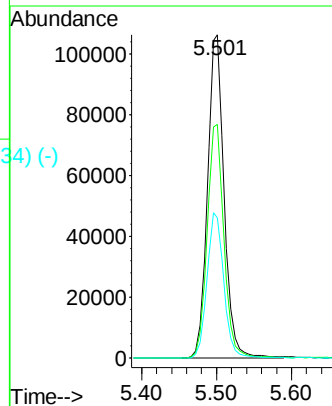
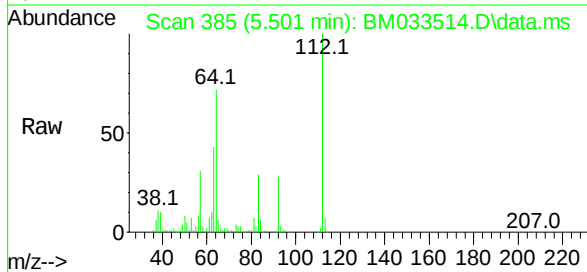
Tgt Ion:112 Resp: 165068

Ion Ratio Lower Upper

112 100

64 72.2 55.5 83.3

63 43.4 31.3 46.9



Phenol-d6

Concen: 39.906 ng

RT: 7.101 min Scan# 657

Delta R.T. -0.012 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

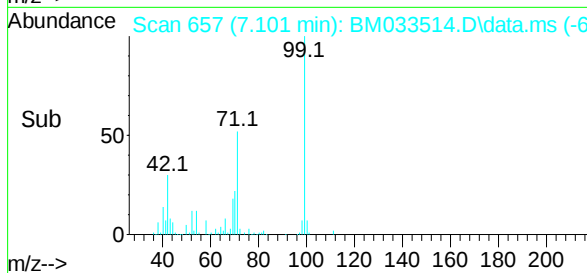
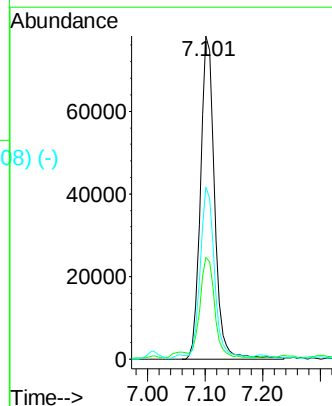
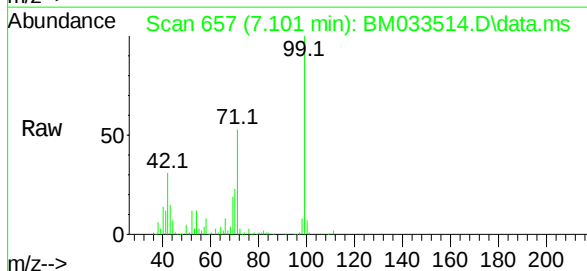
Tgt Ion: 99 Resp: 133527

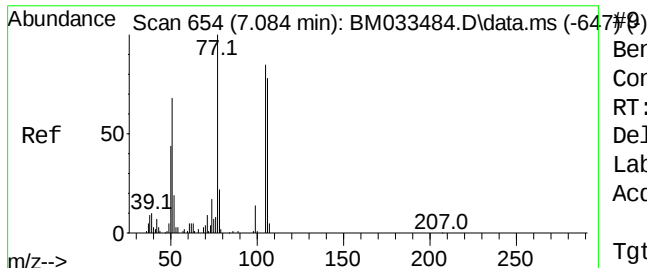
Ion Ratio Lower Upper

99 100

42 31.5 20.3 30.5#

71 53.3 34.5 51.7#





Benzaldehyde

Concen: Below Cal

RT: 7.060 min Scan#

Delta R.T. -0.024 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :

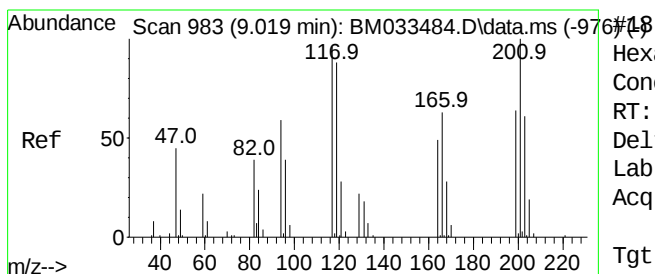
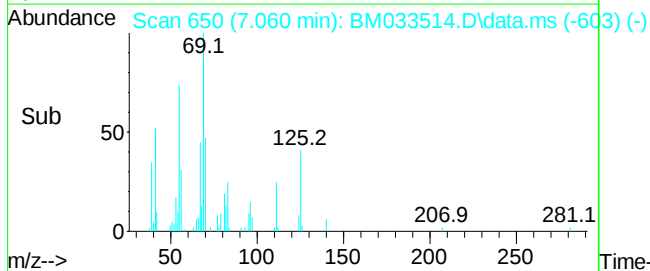
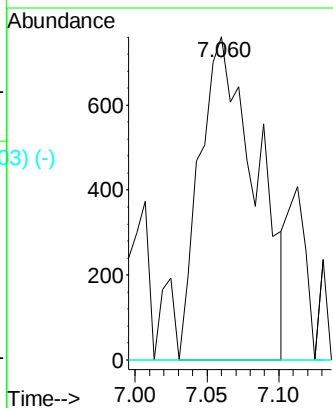
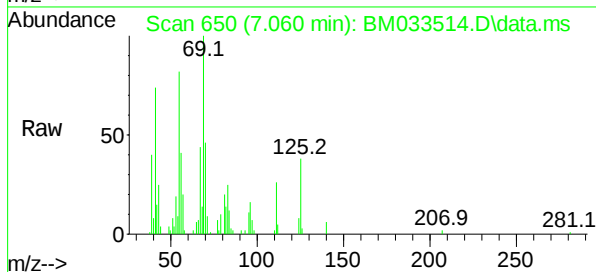
Tgt Ion: 77 Resp: 2071

Ion Ratio Lower Upper

77 100

105 0.0 67.1 107.1#

106 0.0 64.3 104.3#



Hexachloroethane

Concen: 76.968 ng

RT: 9.042 min Scan# 987

Delta R.T. 0.023 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

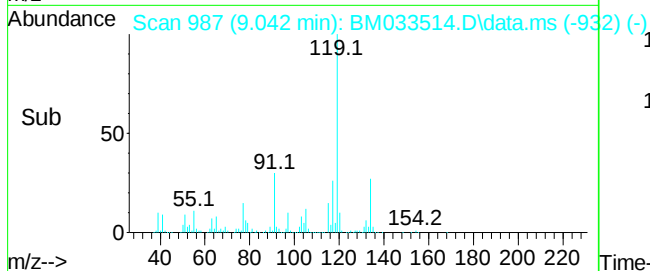
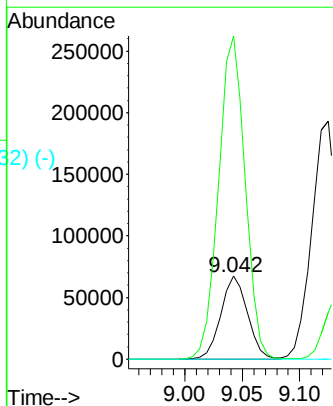
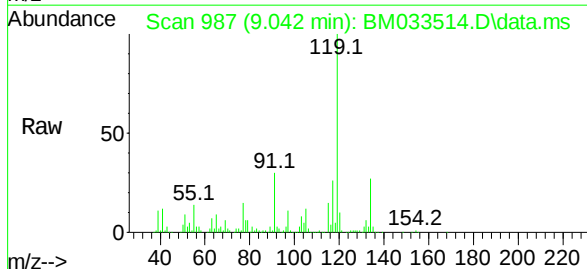
Tgt Ion: 117 Resp: 108072

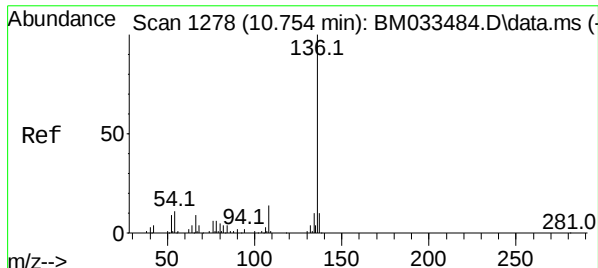
Ion Ratio Lower Upper

117 100

119 389.1 75.0 112.6#

201 0.0 75.2 112.8#

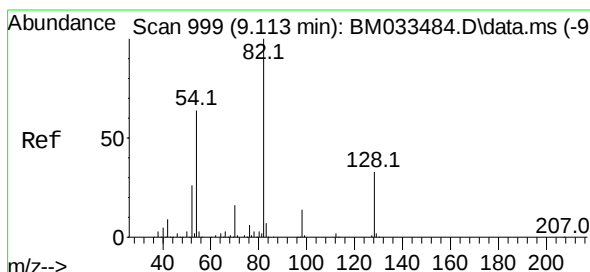
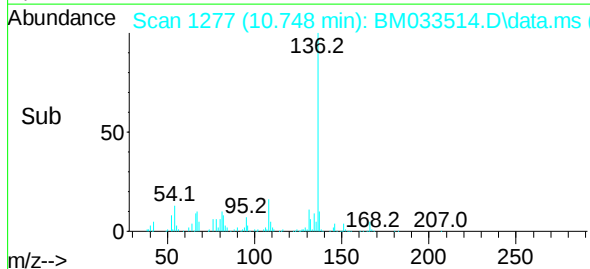
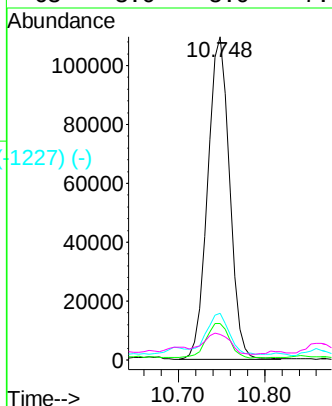
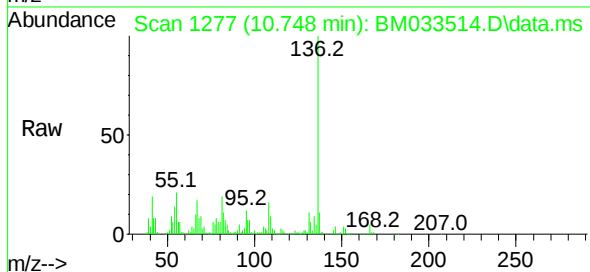




Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

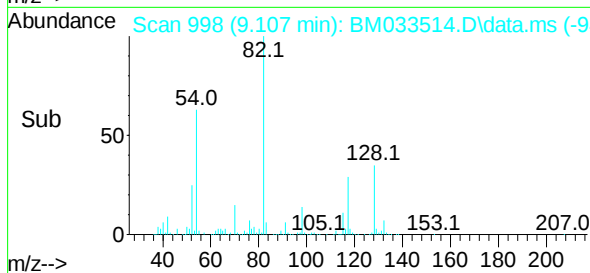
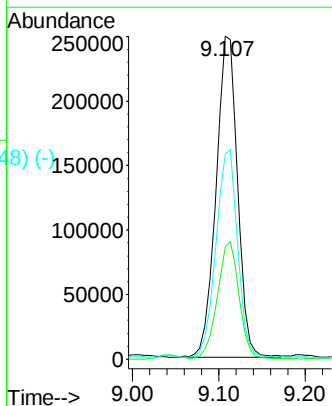
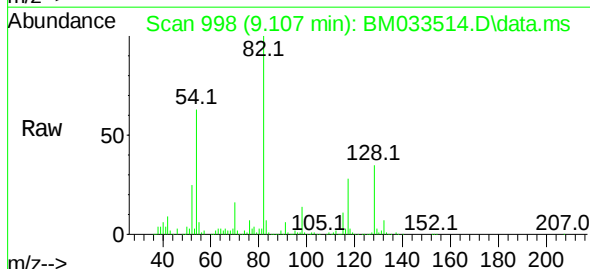
Instrument :
BNA_M
ClientSampleId :

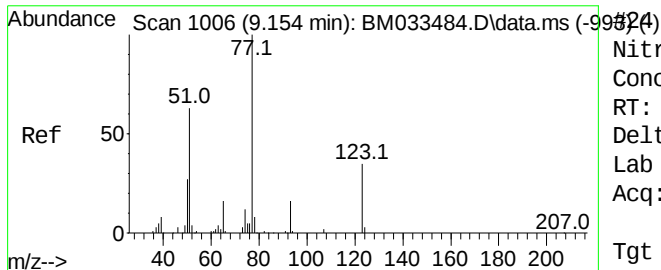
Tgt Ion:	136	Resp:	192928
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	14.5	8.3	12.5#
68	8.0	5.0	7.6#



Nitrobenzene-d5
Concen: 97.158 ng
RT: 9.107 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:	82	Resp:	436551
Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.1	42.1
54	63.3	46.1	69.1





Nitrobenzene

Concen: 7.986 ng

RT: 9.125 min Scan# 1001

Delta R.T. -0.029 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :

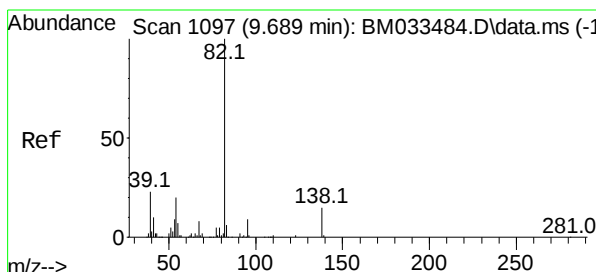
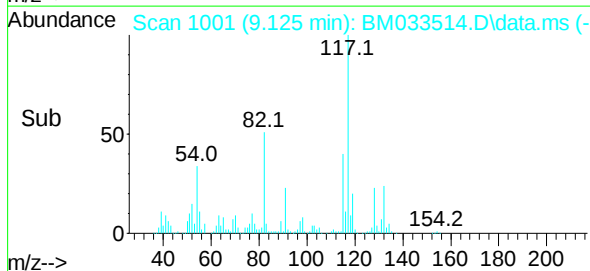
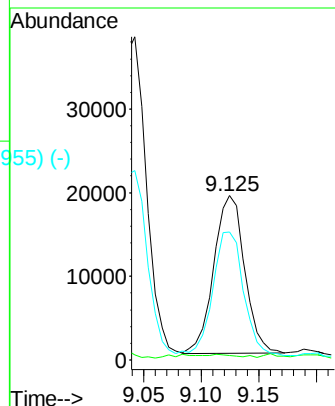
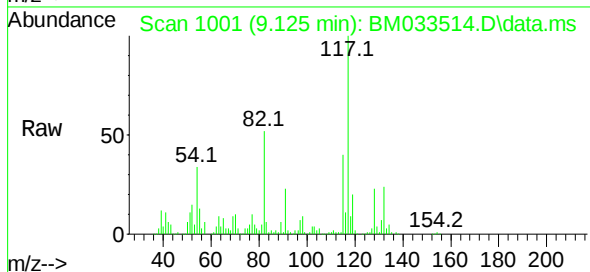
Tgt Ion: 77 Resp: 35247

Ion Ratio Lower Upper

77 100

123 2.7 29.8 44.8#

65 77.9 11.5 17.3#



Isophorone

Concen: 2.923 ng

RT: 9.654 min Scan# 1091

Delta R.T. -0.035 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

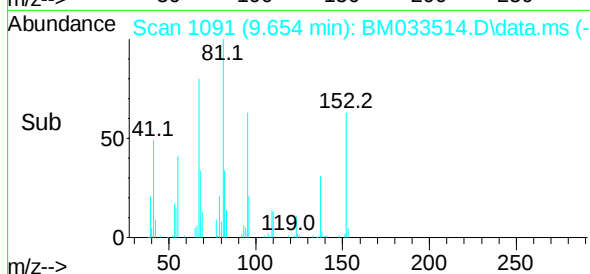
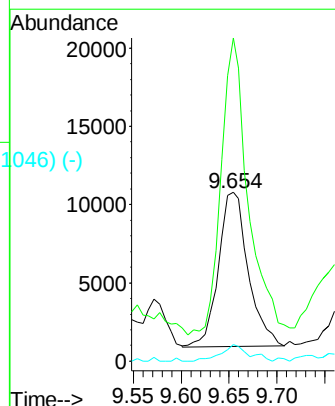
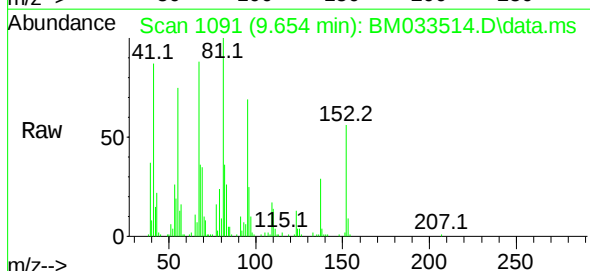
Tgt Ion: 82 Resp: 21263

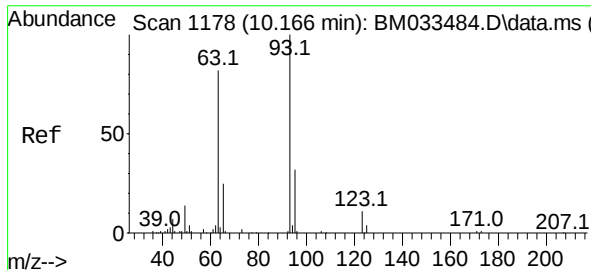
Ion Ratio Lower Upper

82 100

95 191.5 6.4 9.6#

138 9.8 12.4 18.6#

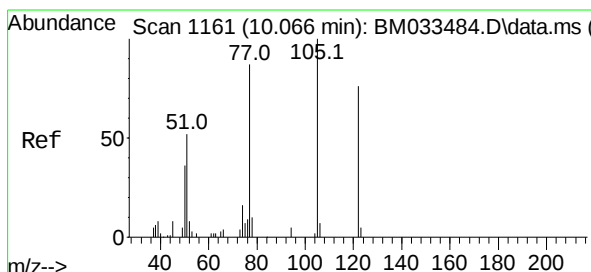
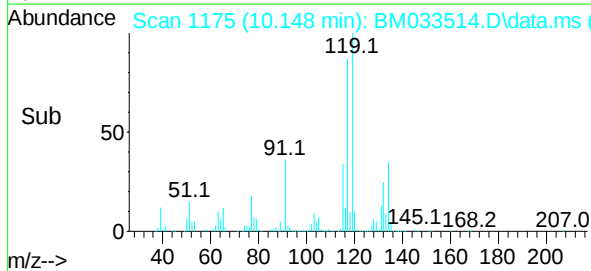
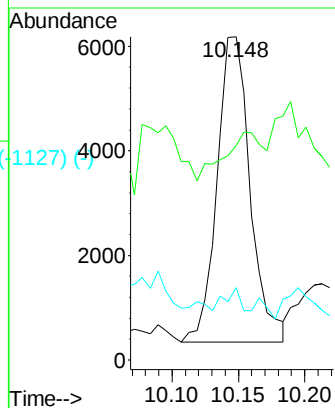
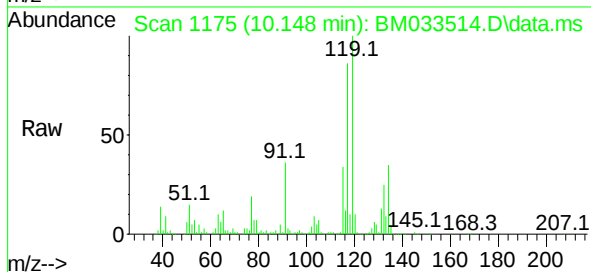




bis(2-Chloroethoxy)methane
 Concen: 2.524 ng
 RT: 10.148 min Scan# 1178
 Delta R.T. -0.018 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

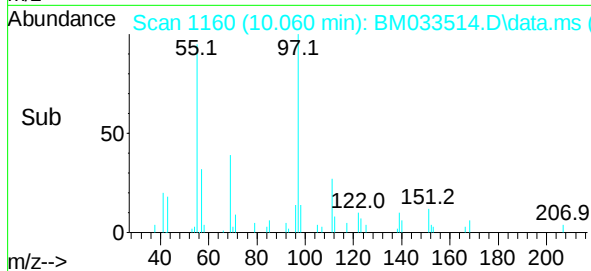
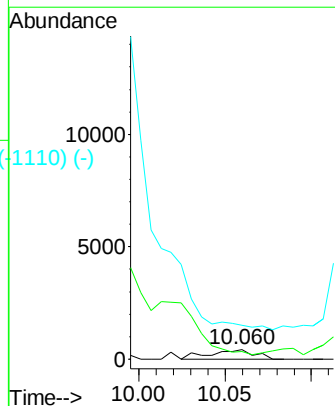
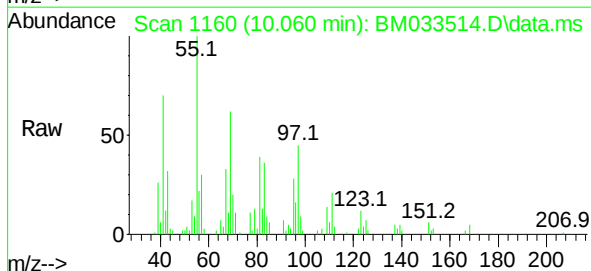
Instrument :
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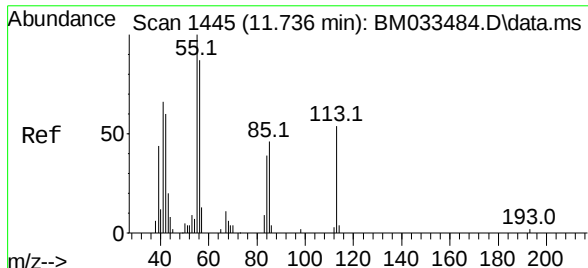
Tgt Ion:	93	Resp:	10085
Ion	Ratio	Lower	Upper
93	100		
95	66.4	26.8	40.2#
123	22.4	8.0	12.0#



Benzoic acid
 Concen: 3.369 ng
 RT: 10.060 min Scan# 1160
 Delta R.T. -0.006 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:	122	Resp:	764
Ion	Ratio	Lower	Upper
122	100		
105	75.5	119.6	159.6#
77	346.9	101.0	141.0#

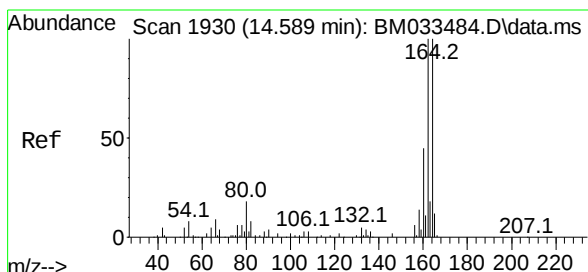
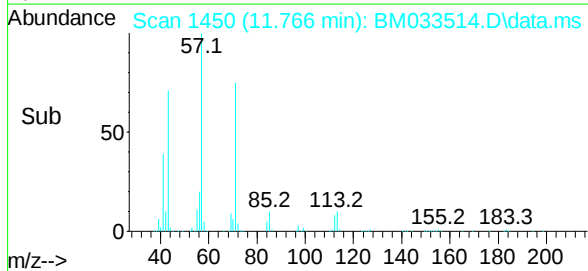
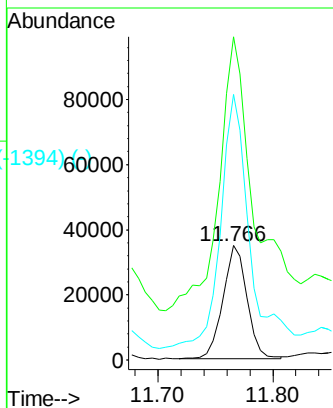
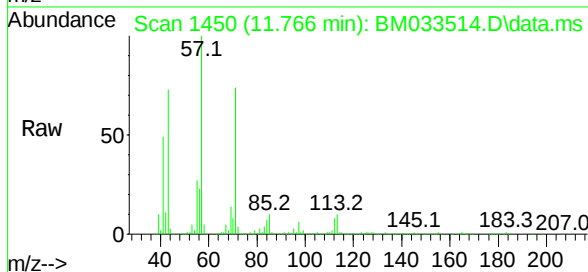




Caprolactam
Concen: 88.555 ng
RT: 11.766 min Scan# 1435
Delta R.T. 0.030 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

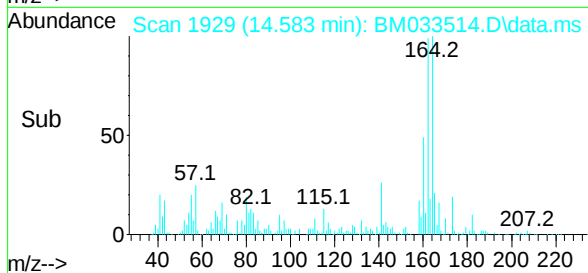
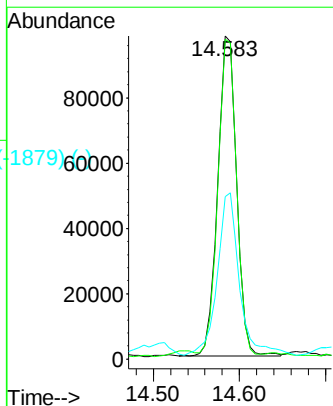
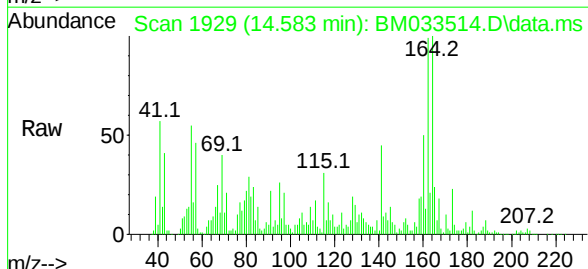
Instrument :
BNA_M
ClientSampleId :

Tgt Ion:113 Resp: 50552
Ion Ratio Lower Upper
113 100
55 282.9 183.6 223.6#
56 232.6 143.7 183.7#



Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:164 Resp: 151221
Ion Ratio Lower Upper
164 100
162 99.0 79.7 119.5
160 50.4 34.2 51.4



Abundance Scan 2183 (16.077 min): BM033484.D\data.ms (-2140) (-)

2,4,6-Tribromophenol

Concen: 144.541 ng

RT: 16.083 min Scan# 2183

Delta R.T. 0.006 min

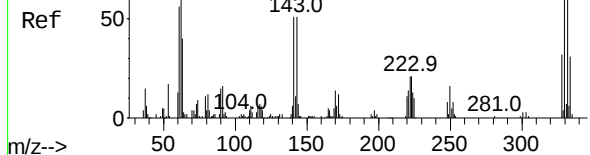
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



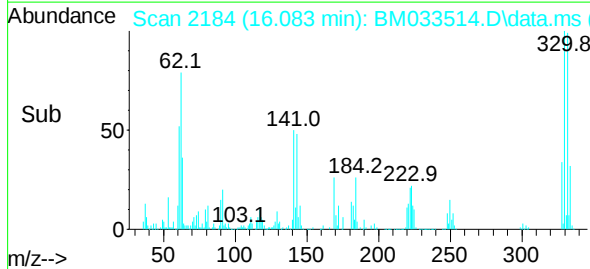
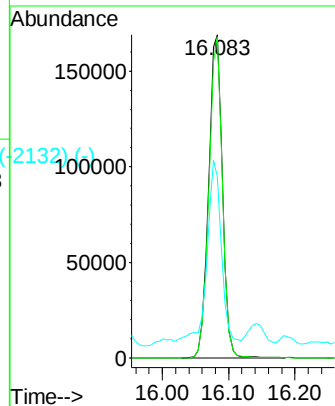
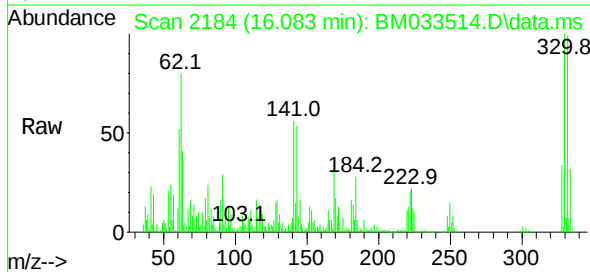
Tgt Ion:330 Resp: 245875

Ion Ratio Lower Upper

330 100

332 96.9 76.5 114.7

141 56.8 35.9 53.9#



Abundance Scan 1696 (13.213 min): BM033484.D\data.ms (-1645) (-)

2-Fluorobiphenyl

Concen: 94.187 ng

RT: 13.213 min Scan# 1696

Delta R.T. -0.000 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

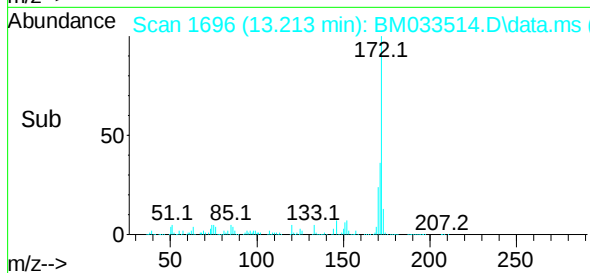
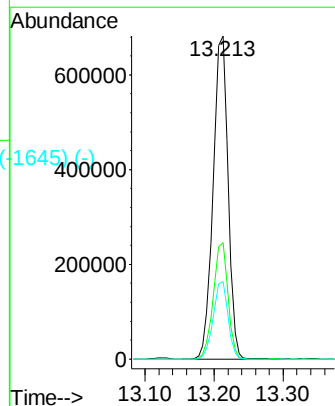
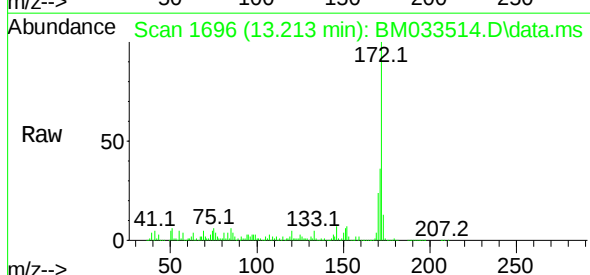
Tgt Ion:172 Resp: 1029637

Ion Ratio Lower Upper

172 100

171 36.0 27.2 40.8

170 24.0 18.7 28.1



Abundance Scan 1882 (14.307 min): BM033484.D\data.ms (-1849) (-)

Acenaphthylene

Concen: 2.262 ng

RT: 14.313 min Scan# 1883

Delta R.T. 0.006 min

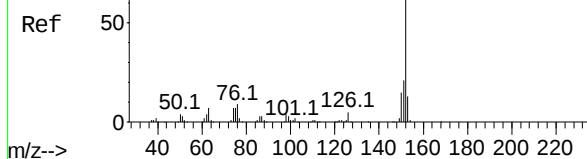
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



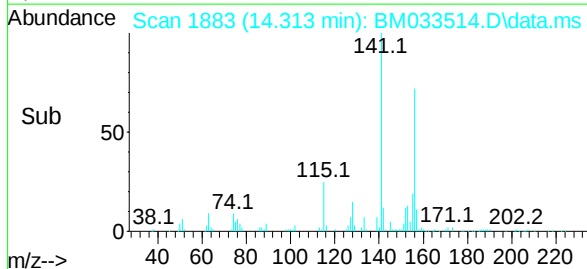
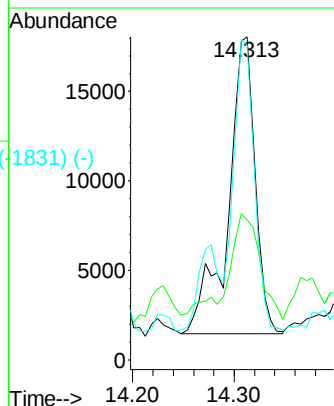
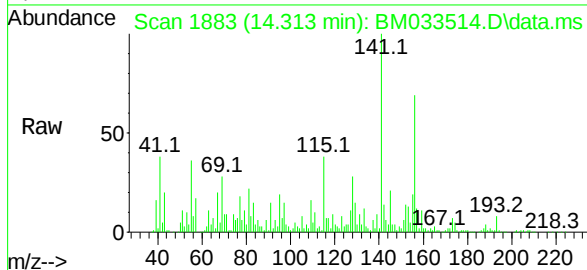
Tgt Ion:152 Resp: 31024

Ion Ratio Lower Upper

152 100

151 43.4 15.4 23.2#

153 97.4 10.4 15.6#



Abundance Scan 1859 (14.172 min): BM033484.D\data.ms (-1851) (-)

2,6-Dinitrotoluene

Concen: 2.099 ng

RT: 14.283 min Scan# 1878

Delta R.T. 0.111 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

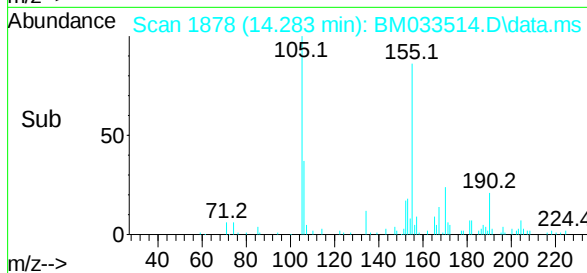
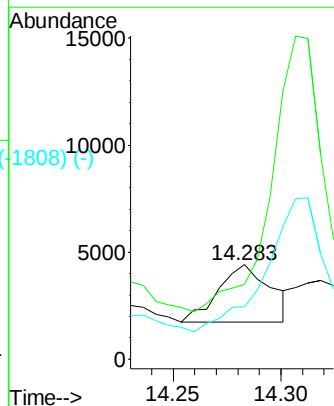
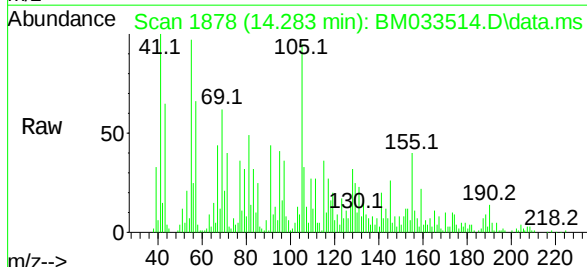
Tgt Ion:165 Resp: 4544

Ion Ratio Lower Upper

165 100

63 78.9 56.9 85.3

89 55.6 54.3 81.5



Abundance Scan 1941 (14.654 min): BM033484.D\data.ms (-1532) (-)

Acenaphthene

Concen: 10.144 ng

RT: 14.648 min Scan# 1941

Delta R.T. -0.006 min

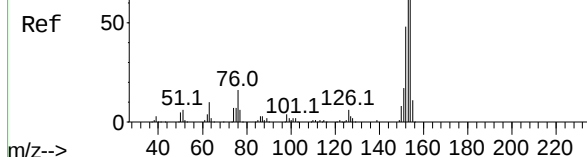
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



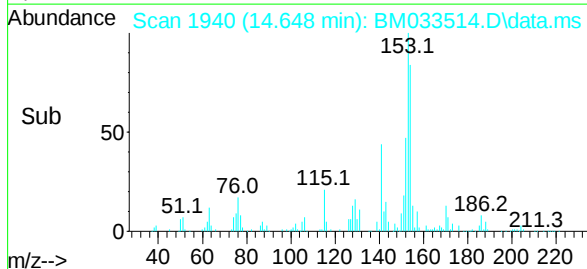
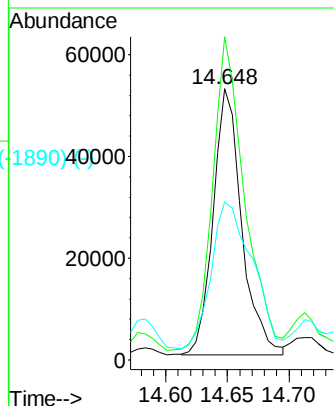
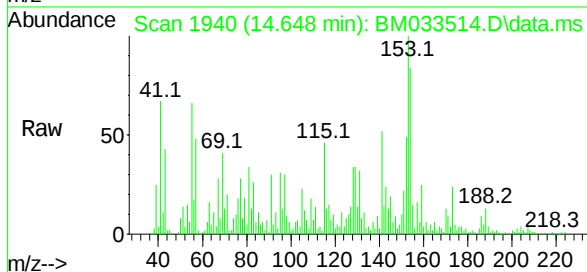
Tgt Ion:154 Resp: 84487

Ion Ratio Lower Upper

154 100

153 119.1 90.2 135.4

152 58.2 43.5 65.3



Abundance Scan 1951 (14.713 min): BM033484.D\data.ms (-1554) (-)

2,4-Dinitrophenol

Concen: 7.431 ng

RT: 14.671 min Scan# 1944

Delta R.T. -0.042 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

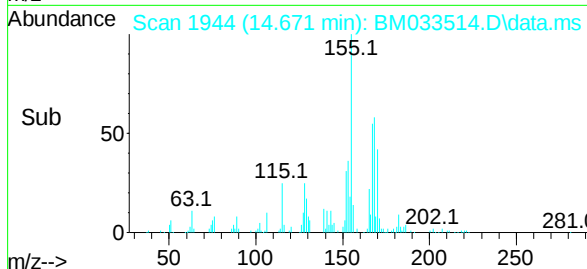
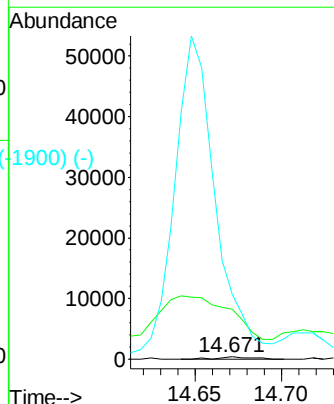
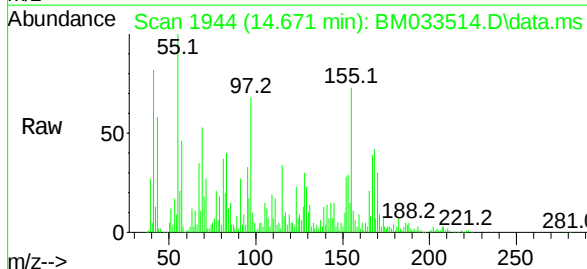
Tgt Ion:184 Resp: 482

Ion Ratio Lower Upper

184 100

63 2260.5 71.8 107.6#

154 2913.7 55.7 83.5#



Abundance Scan 1997 (14.983 min): BM033484.D\data.ms (-1955) (-)

Dibenzofuran

Concen: 6.627 ng

RT: 14.983 min Scan# 1997

Delta R.T. -0.000 min

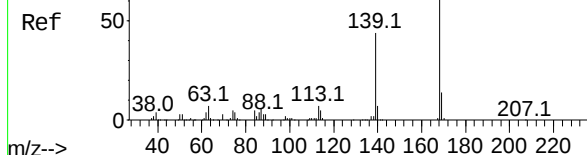
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



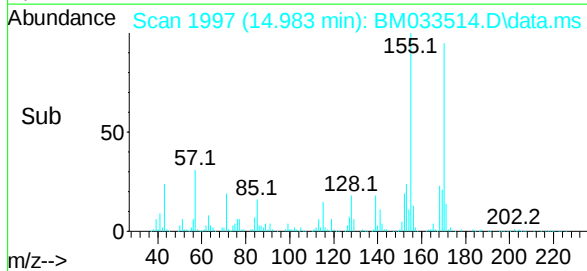
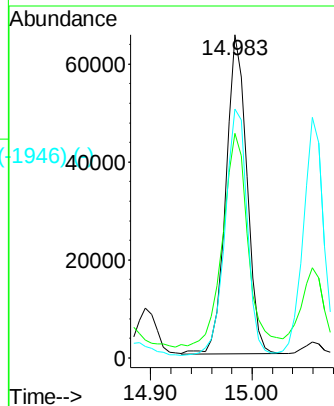
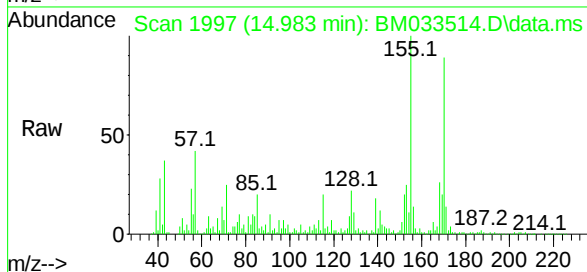
Tgt Ion:168 Resp: 93545

Ion Ratio Lower Upper

168 100

139 69.4 31.4 47.2#

169 77.0 10.6 15.8#



Abundance Scan 1969 (14.819 min): BM033484.D\data.ms (-1955) (-)

4-Nitrophenol

Concen: 29.017 ng

RT: 14.795 min Scan# 1965

Delta R.T. -0.024 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

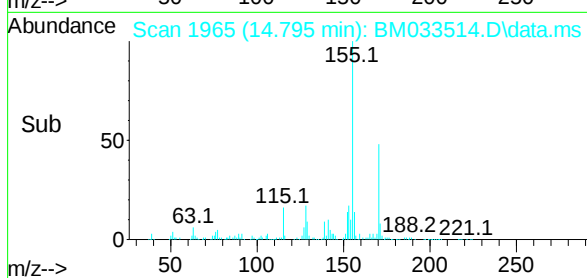
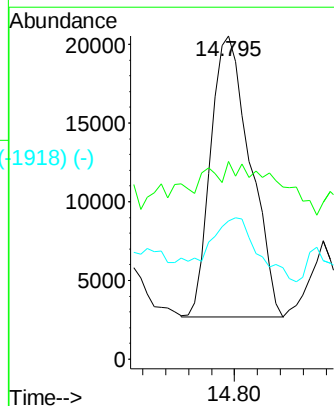
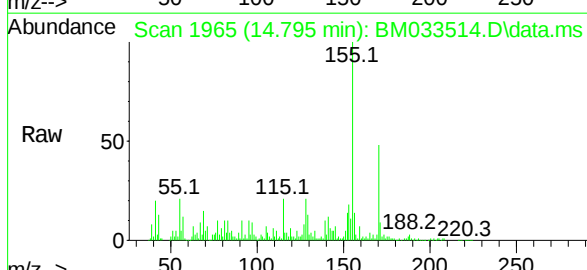
Tgt Ion:139 Resp: 42656

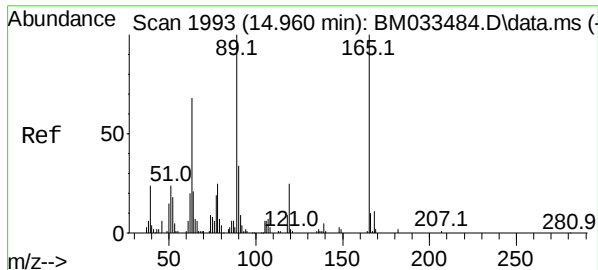
Ion Ratio Lower Upper

139 100

109 61.2 75.3 115.3#

65 42.8 107.4 147.4#

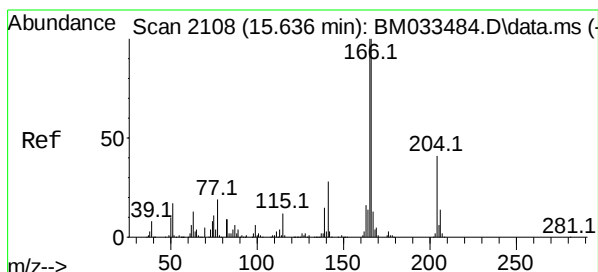
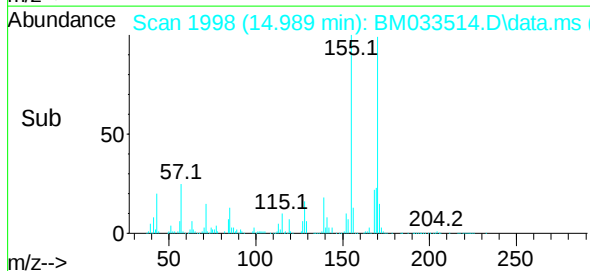
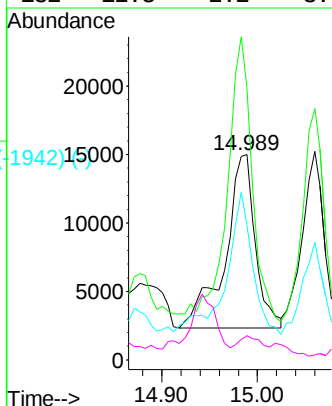
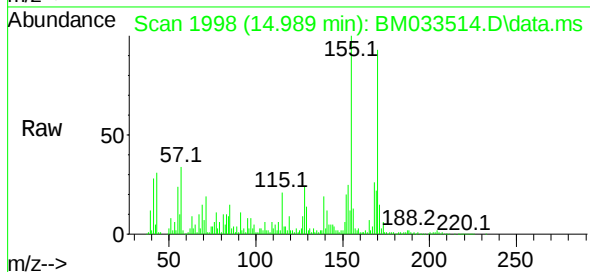




2,4-Dinitrotoluene
 Concen: 9.457 ng
 RT: 14.989 min Scan# 1998
 Delta R.T. 0.029 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

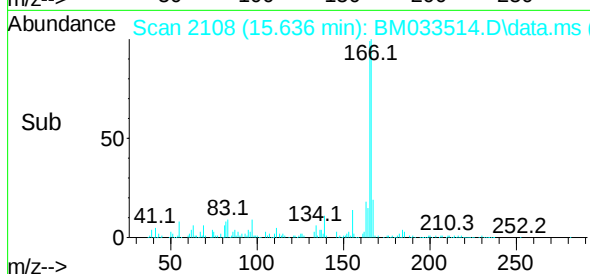
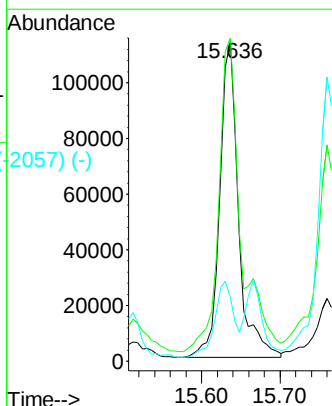
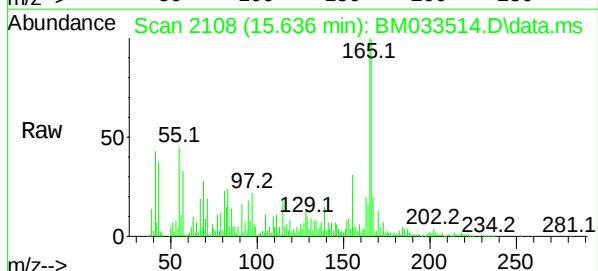
Instrument :
 BNA_M
 ClientSampleId :

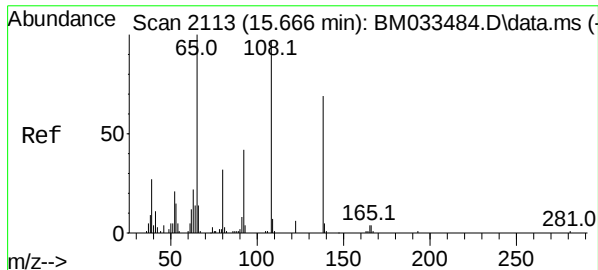
Tgt Ion:	165	Resp:	27996
Ion	Ratio	Lower	Upper
165	100		
63	132.3	46.2	69.4#
89	65.5	72.0	108.0#
182	11.8	2.2	3.4#



Fluorene
 Concen: 16.509 ng
 RT: 15.636 min Scan# 2108
 Delta R.T. 0.000 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:	166	Resp:	187001
Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.1	117.1
167	20.0	10.6	15.8#

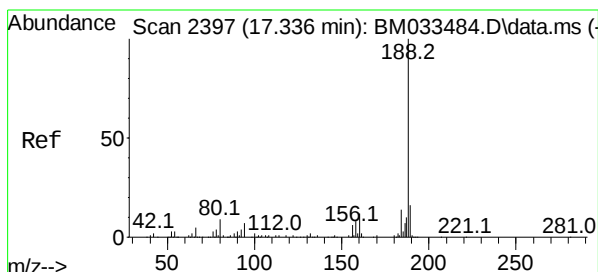
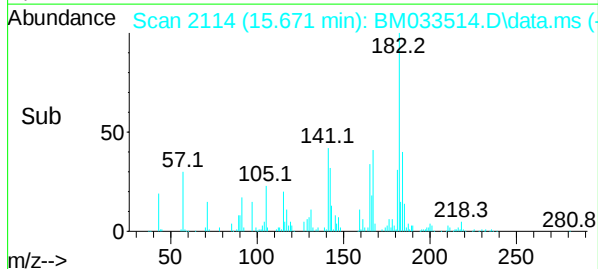
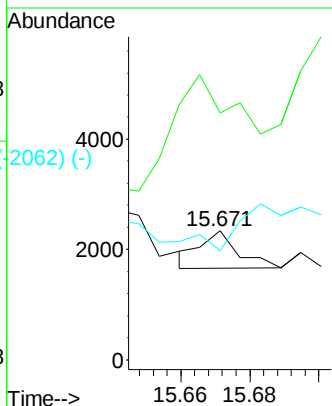
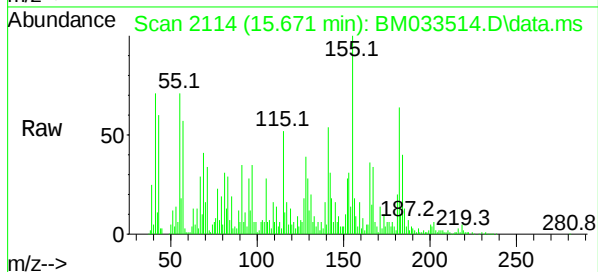




4-Nitroaniline
 Concen: 2.799 ng
 RT: 15.671 min Scan# 2114
 Delta R.T. 0.005 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

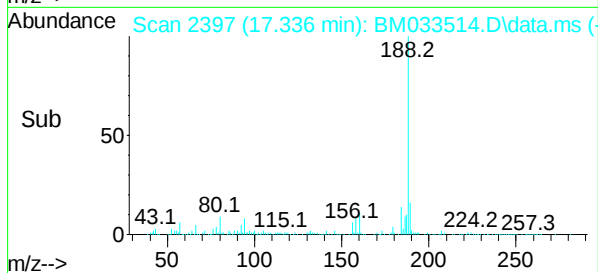
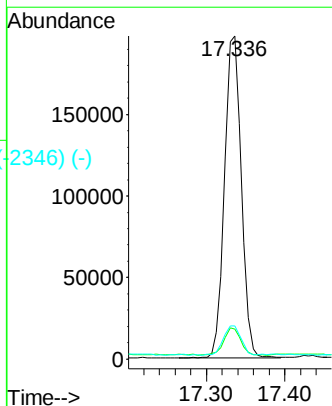
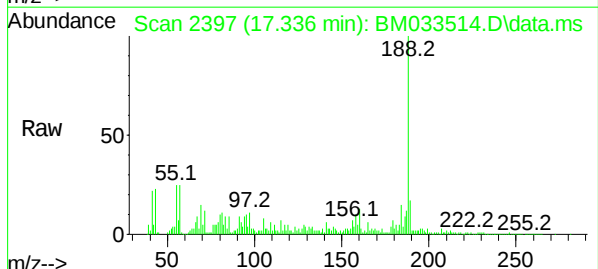
Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:138 Resp: 515
 Ion Ratio Lower Upper
 138 100
 92 190.6 38.7 78.7#
 108 84.3 81.9 121.9



Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.336 min Scan# 2397
 Delta R.T. -0.000 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:188 Resp: 294334
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.5 11.3
 80 10.3 8.9 13.3



Abundance Scan 2144 (15.848 min): BM033484.D\data.ms (-2166) (-)

n-Nitrosodiphenylamine

Concen: 17.140 ng

RT: 15.842 min Scan# 2143

Delta R.T. -0.006 min

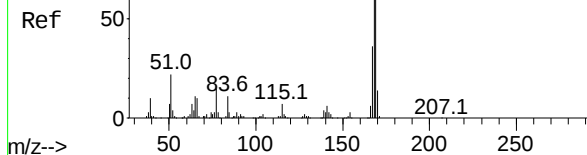
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



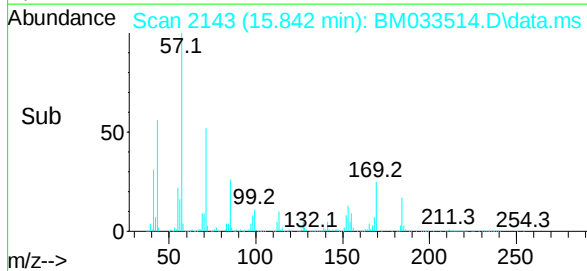
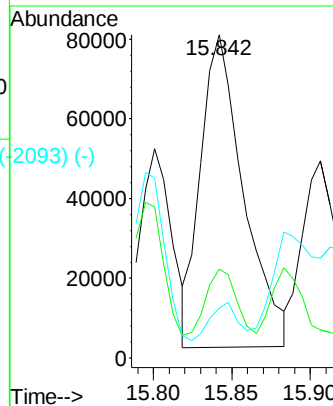
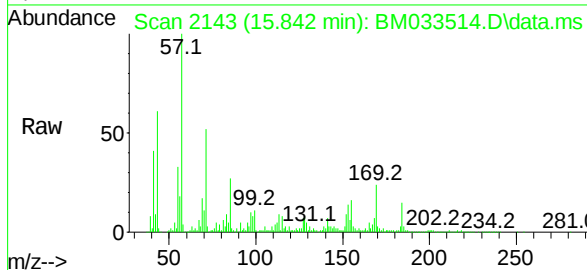
Tgt Ion:169 Resp: 149768

Ion Ratio Lower Upper

169 100

168 27.5 52.5 78.7#

167 15.4 28.4 42.6#



Abundance Scan 2306 (16.801 min): BM033484.D\data.ms (-2166) (-)

Atrazine

Concen: 2.717 ng

RT: 16.789 min Scan# 2304

Delta R.T. -0.012 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

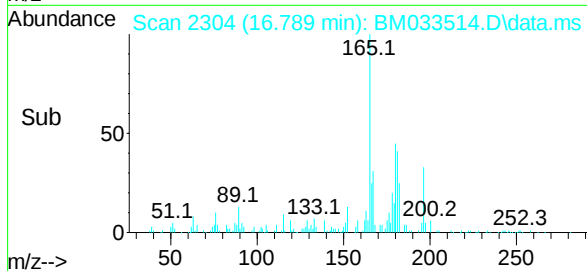
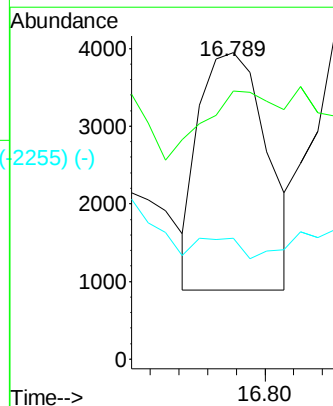
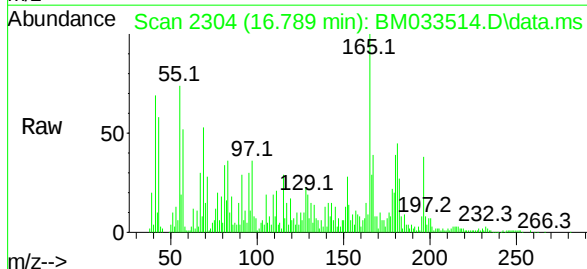
Tgt Ion:200 Resp: 5034

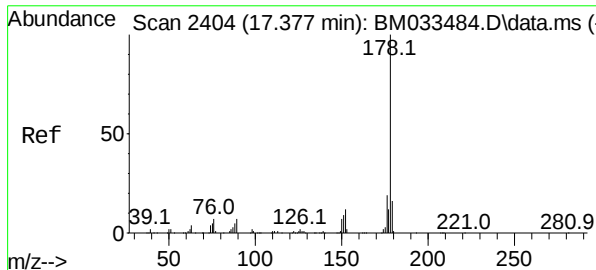
Ion Ratio Lower Upper

200 100

173 87.4 7.3 47.3#

215 39.3 25.7 65.7

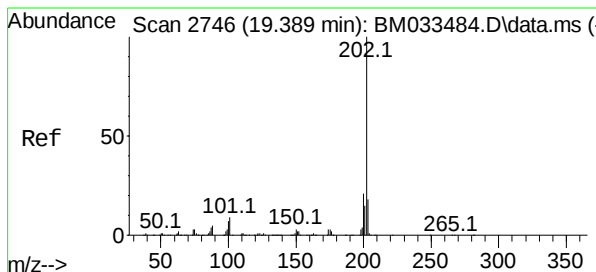
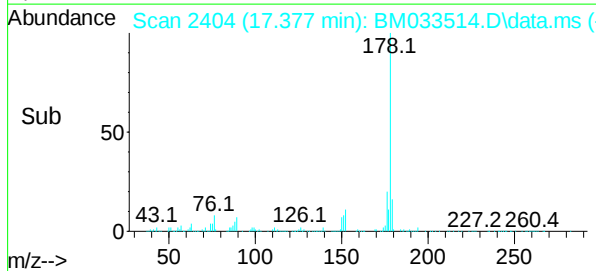
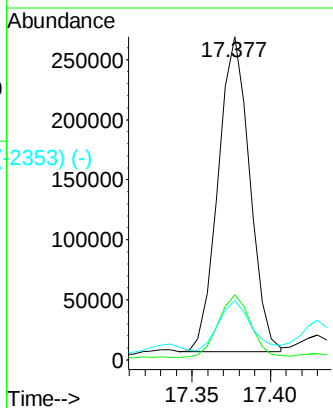
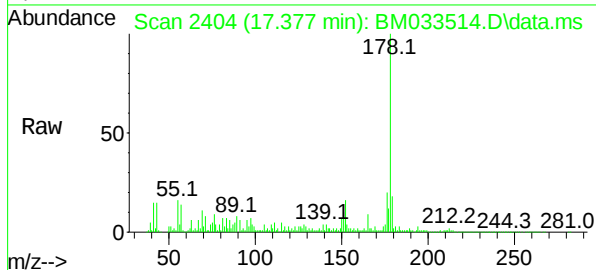




Scan 2404 (17.377 min): BM033484.D\data.ms (-2354) (-)
 Phenanthrene
 Concen: 22.375 ng
 RT: 17.377 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

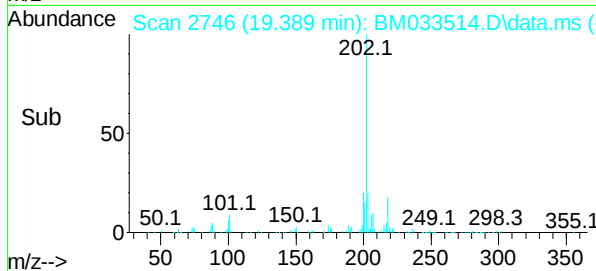
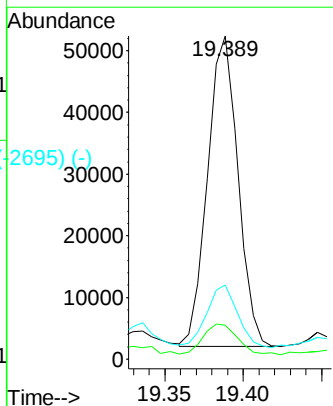
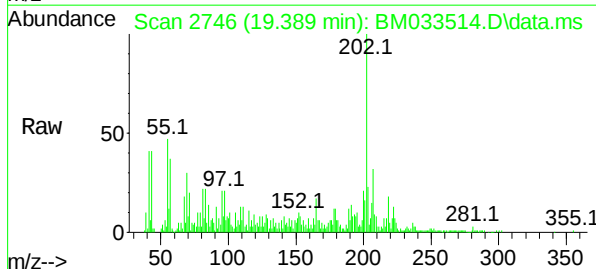
Instrument :
 BNA_M
 ClientSampleId :

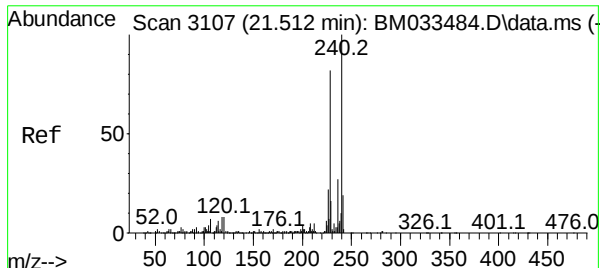
Tgt Ion:	178	Resp:	366530
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.1	22.7
179	18.4	12.0	18.0#



Scan 2746 (19.389 min): BM033484.D\data.ms (-2376) (-)
 Fluoranthene
 Concen: 3.611 ng
 RT: 19.389 min Scan# 2746
 Delta R.T. -0.000 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:	202	Resp:	68046
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	30.8
203	23.0	0.0	37.2

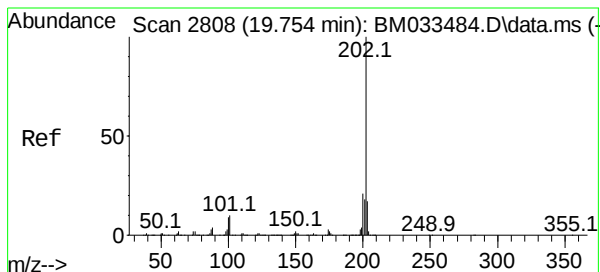
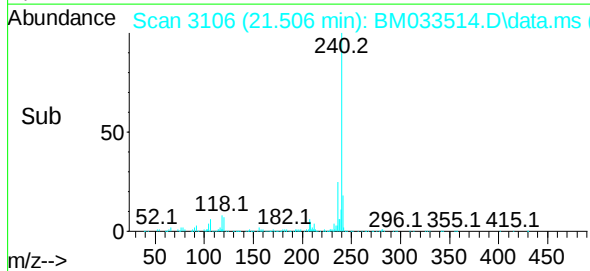
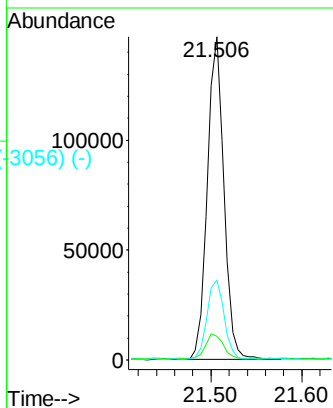
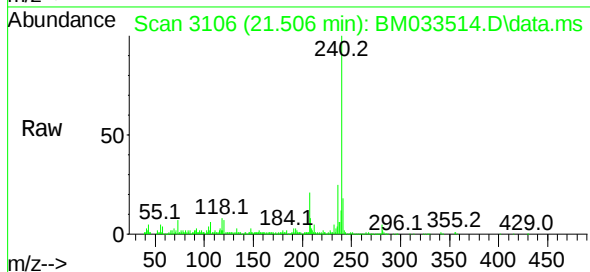




Chrysene-d12
 Concen: 20.000 ng
 RT: 21.506 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

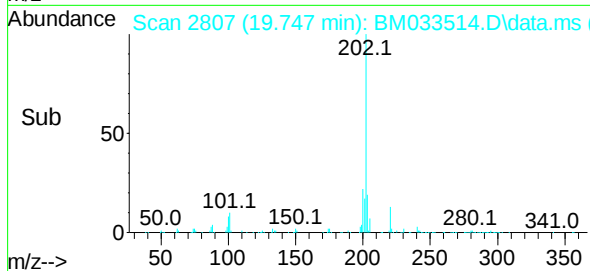
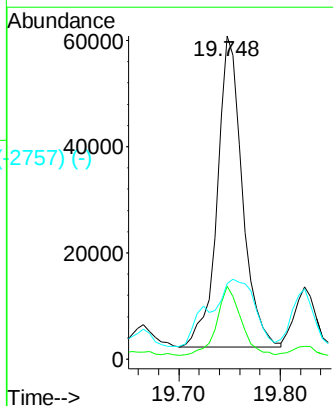
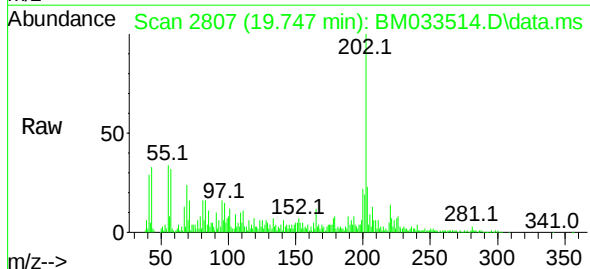
Instrument :
 BNA_M
 ClientSampleId :

Tgt Ion:	240	Resp:	186542
Ion Ratio		Lower	Upper
240	100		
120	7.4	7.8	11.6#
236	24.7	20.3	30.5



Pyrene
 Concen: 6.868 ng
 RT: 19.747 min Scan# 2807
 Delta R.T. -0.007 min
 Lab File: BM033514.D
 Acq: 17 Dec 2021 20:06

Tgt Ion:	202	Resp:	101087
Ion Ratio		Lower	Upper
202	100		
200	22.5	16.4	24.6
203	23.4	13.5	20.3#



Abundance Scan 2842 (19.954 min): BM033484.D\data.ms (-279) (-)

Terphenyl-d14

Concen: 115.231 ng

RT: 19.953 min Scan# 2842

Delta R.T. -0.001 min

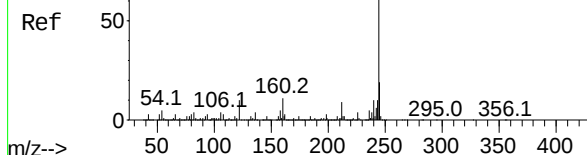
Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

Instrument :

BNA_M

ClientSampleId :



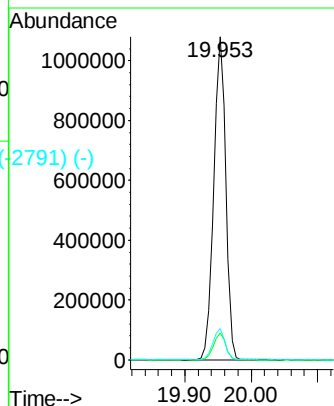
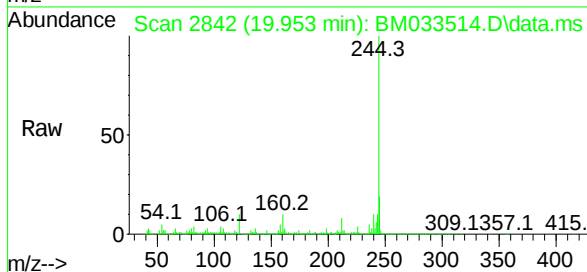
Tgt Ion:244 Resp: 1365372

Ion Ratio Lower Upper

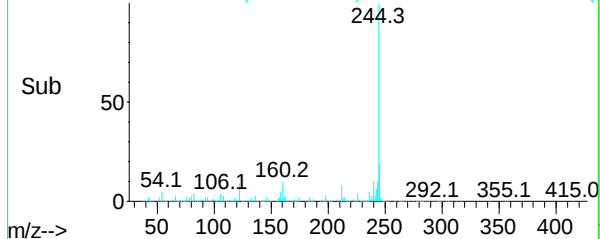
244 100

212 8.4 5.9 8.9

122 9.6 8.4 12.6



Abundance Scan 2842 (19.953 min): BM033514.D\data.ms (-2791) (-)



Abundance Scan 3519 (23.936 min): BM033484.D\data.ms (-3469) (-)

Perylene-d12

Concen: 20.000 ng

RT: 23.918 min Scan# 3516

Delta R.T. -0.018 min

Lab File: BM033514.D

Acq: 17 Dec 2021 20:06

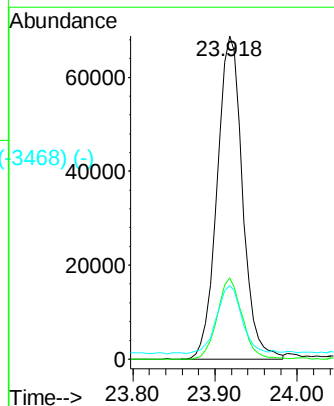
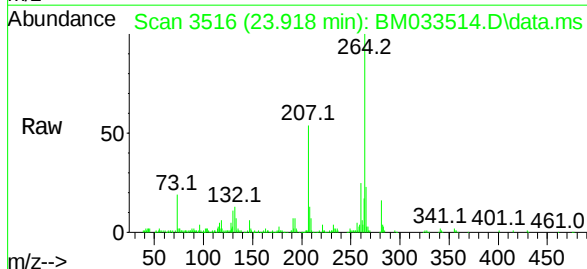
Tgt Ion:264 Resp: 148102

Ion Ratio Lower Upper

264 100

260 25.0 17.7 26.5

265 22.9 17.7 26.5



Abundance Scan 3516 (23.918 min): BM033514.D\data.ms (-3468) (-)

