

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM120321\
 Data File : BM033290.D
 Acq On : 03 Dec 2021 17:25
 Operator : CG/JU
 Sample : M4798-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-3-3.0

Quant Time: Dec 03 17:59:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM112421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 24 15:16:33 2021
 Response via : Initial Calibration

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

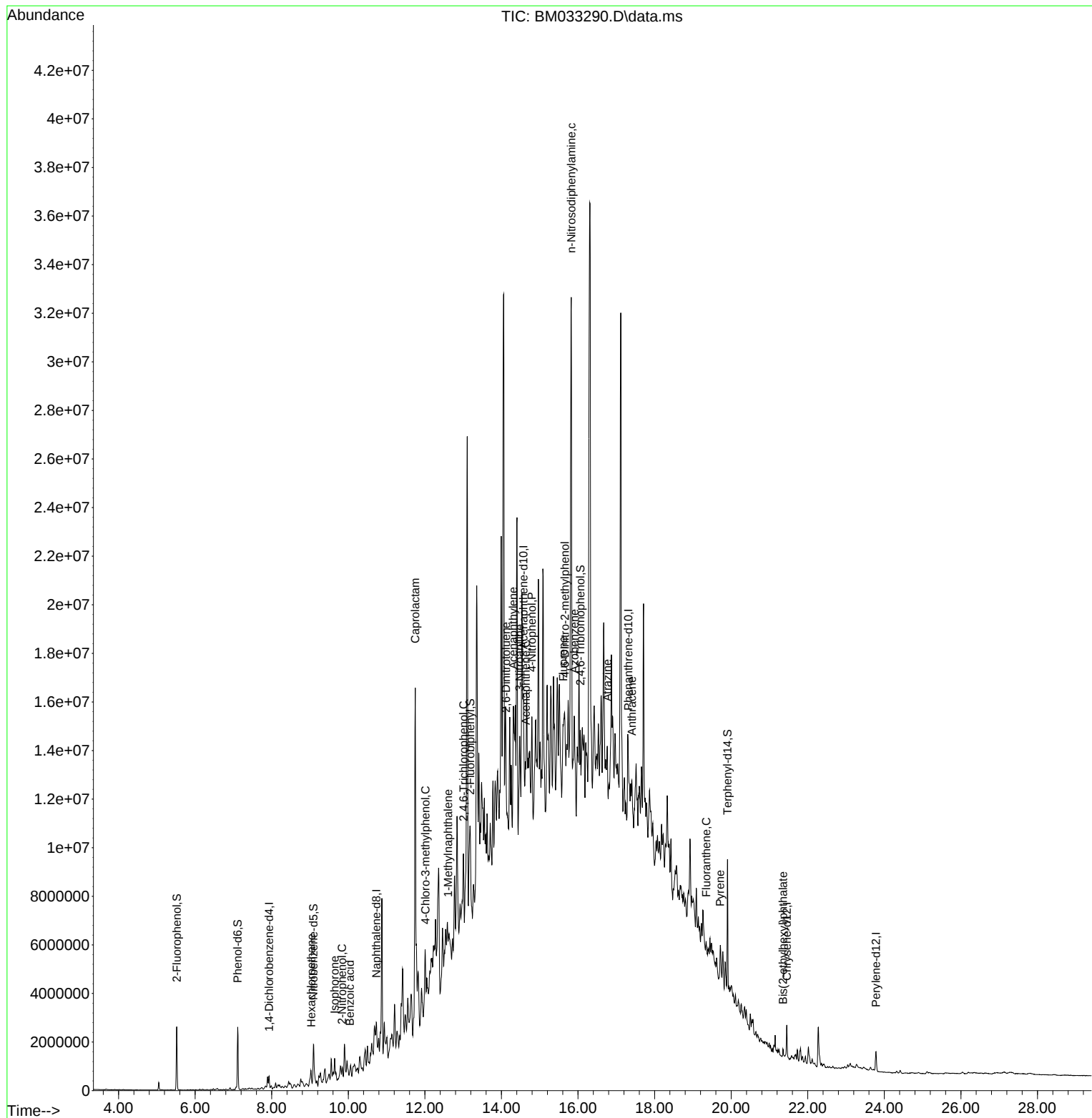
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	136460	20.000	ng	0.00
21) Naphthalene-d8	10.730	136	539204	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	336591	20.000	ng	0.01
64) Phenanthrene-d10	17.312	188	585740	20.000	ng	# 0.02
76) Chrysene-d12	21.453	240	586166	20.000	ng	# 0.00
86) Perylene-d12	23.783	264	592925	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	1009448	122.159	ng	0.01
7) Phenol-d6	7.113	99	1350694	122.047	ng	0.02
23) Nitrobenzene-d5	9.089	82	961401	82.773	ng	-0.01
42) 2,4,6-Tribromophenol	16.060	330	321159	87.529	ng	0.02
45) 2-Fluorobiphenyl	13.189	172	1665604	69.788	ng	0.00
79) Terphenyl-d14	19.906	244	2204984	74.384	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.072	77	1146	Below Cal	#	47
18) Hexachloroethane	9.031	117	16966	4.518	ng	# 1
25) Isophorone	9.642	82	97622	5.374	ng	# 1
26) 2-Nitrophenol	9.836	139	9530	2.283	ng	# 1
32) Benzoic acid	10.042	122	1698	5.545	ng	# 1
35) Caprolactam	11.748	113	552280	357.355	ng	# 58
36) 4-Chloro-3-methylphenol	12.019	107	36969	4.028	ng	# 25
38) 1-Methylnaphthalene	12.607	142	75441	3.993	ng	# 87
43) 2,4,6-Trichlorophenol	13.013	196	16044	2.486	ng	# 15
49) Acenaphthylene	14.307	152	106619	3.530	ng	# 1
51) 2,6-Dinitrotoluene	14.118	165	112650	23.522	ng	# 44
52) Acenaphthene	14.636	154	149457	8.054	ng	# 83
53) 3-Nitroaniline	14.477	138	116474	22.823	ng	# 16
56) 4-Nitrophenol	14.795	139	57803	14.132	ng	# 1
58) Fluorene	15.612	166	49040	2.030	ng	# 1
63) Azobenzene	15.907	77	83828	3.190	ng	# 7
65) 4,6-Dinitro-2-methylph...	15.660	198	21757	7.171	ng	# 1
66) n-Nitrosodiphenylamine	15.824	169	937792	54.572	ng	# 51
69) Atrazine	16.765	200	17386	4.843	ng	# 1
72) Anthracene	17.406	178	100852	3.247	ng	# 1
75) Fluoranthene	19.348	202	82230	2.222	ng	# 38
78) Pyrene	19.712	202	501129	12.987	ng	# 89
84) Bis(2-ethylhexyl)phtha...	21.353	149	82491	4.059	ng	# 89

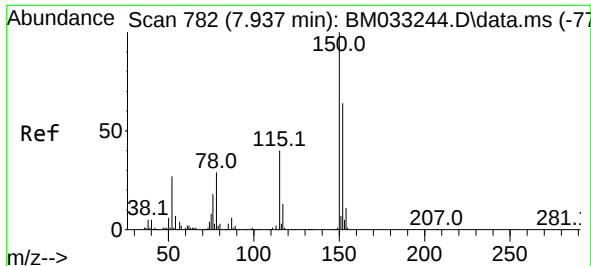
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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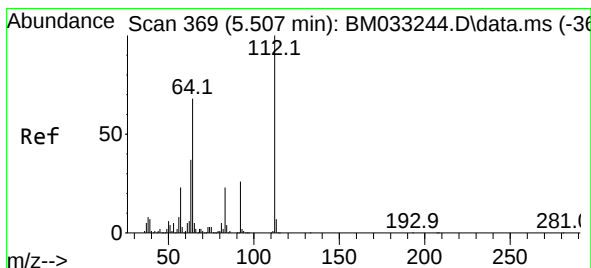
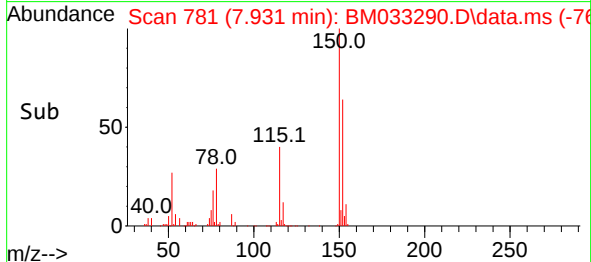
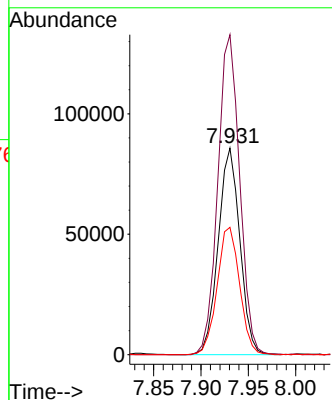
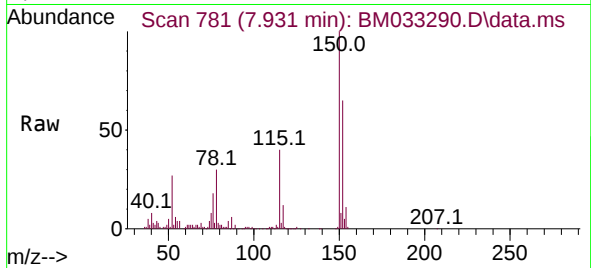




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

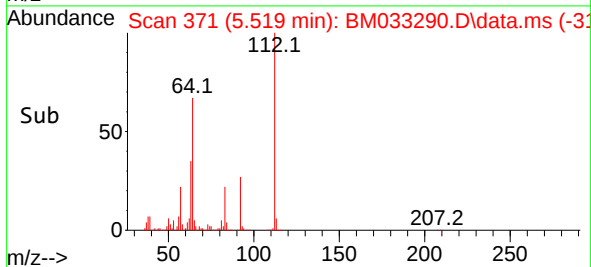
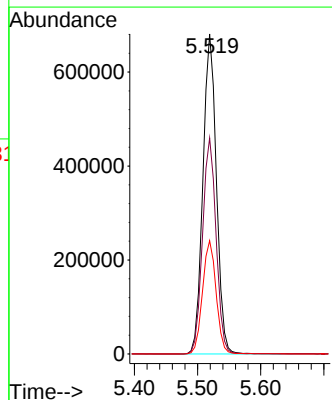
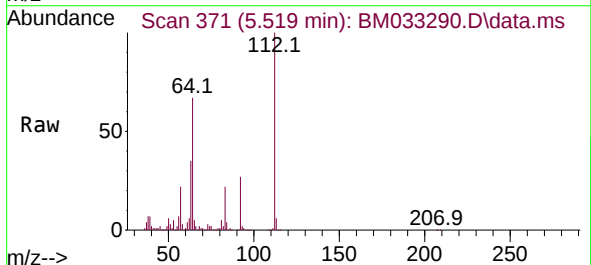
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

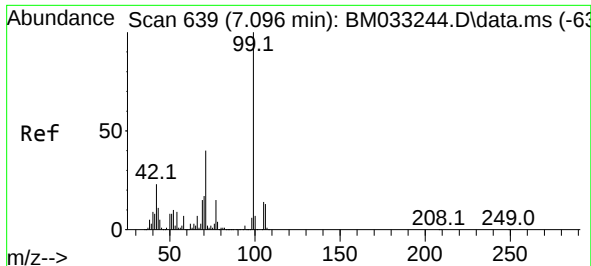
Tgt Ion:152 Resp: 136460
Ion Ratio Lower Upper
152 100
150 154.9 122.4 183.6
115 61.7 53.8 80.8



#5
2-Fluorophenol
Concen: 122.159 ng
RT: 5.519 min Scan# 371
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:112 Resp: 1009448
Ion Ratio Lower Upper
112 100
64 67.5 53.7 80.5
63 35.4 33.9 50.9

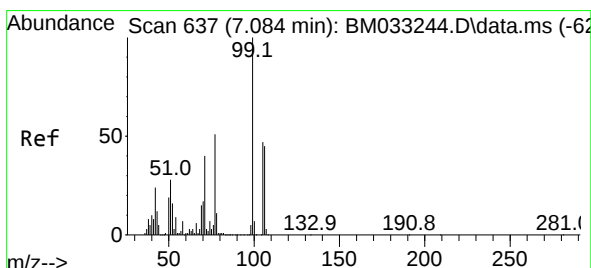
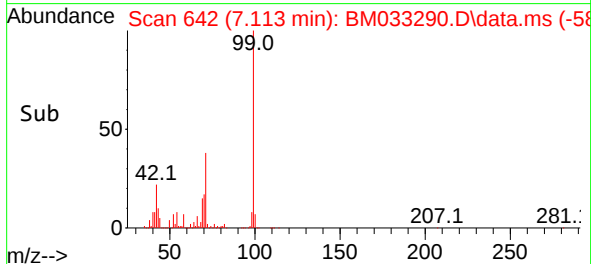
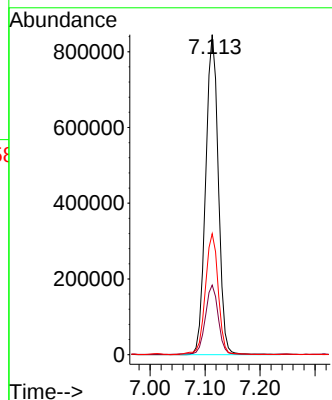
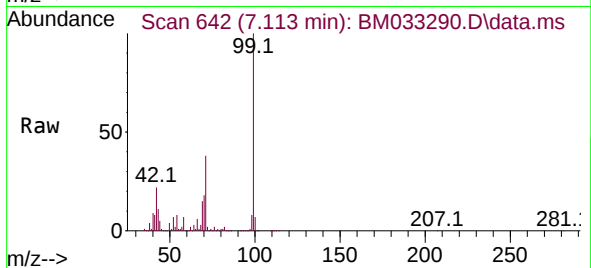




#7
Phenol-d6
Concen: 122.047 ng
RT: 7.113 min Scan# 642
Delta R.T. 0.017 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

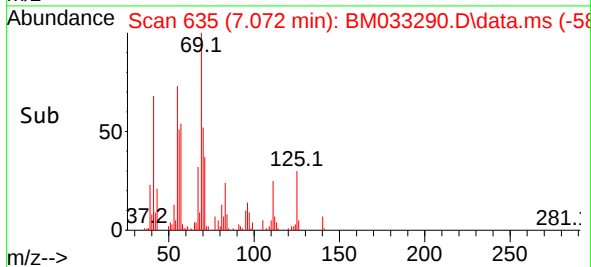
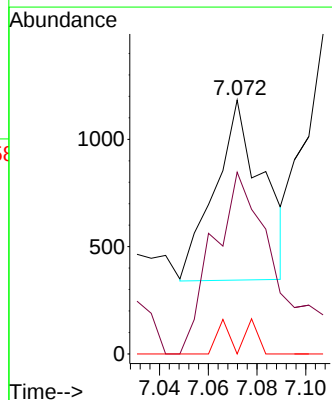
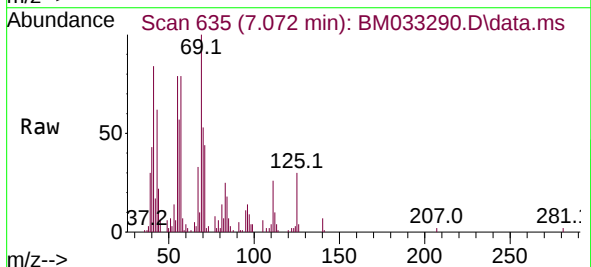
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

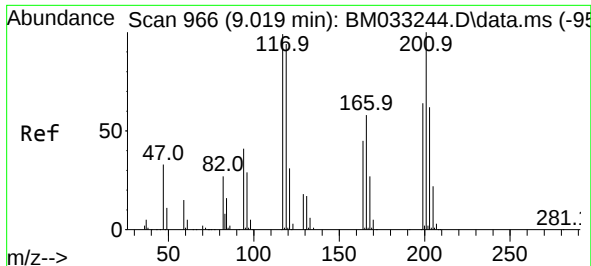
Tgt Ion: 99 Resp: 1350694
Ion Ratio Lower Upper
99 100
42 21.8 23.0 34.6#
71 37.8 37.8 56.8#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.072 min Scan# 635
Delta R.T. -0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion: 77 Resp: 1146
Ion Ratio Lower Upper
77 100
105 71.6 68.9 108.9
106 0.0 61.2 101.2#

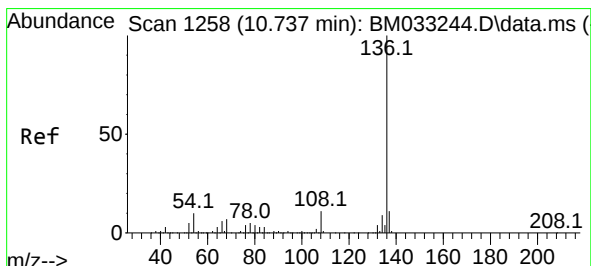
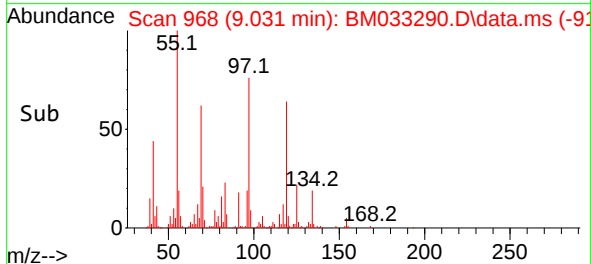
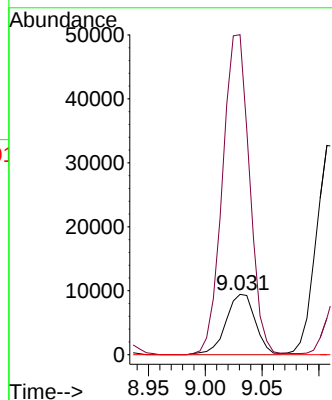
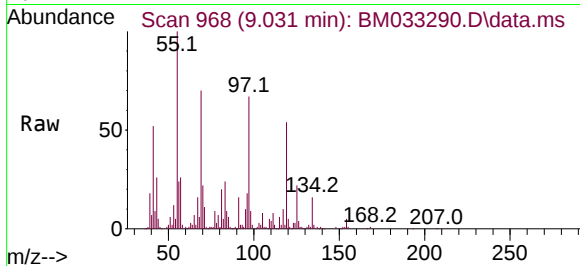




#18
Hexachloroethane
Concen: 4.518 ng
RT: 9.031 min Scan# 90
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

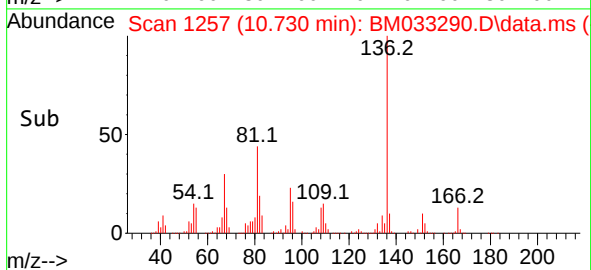
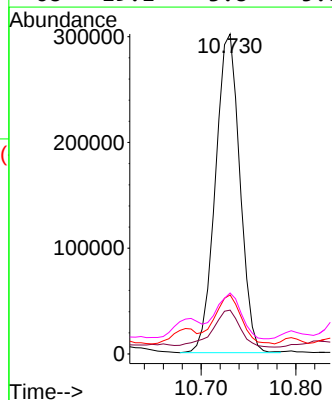
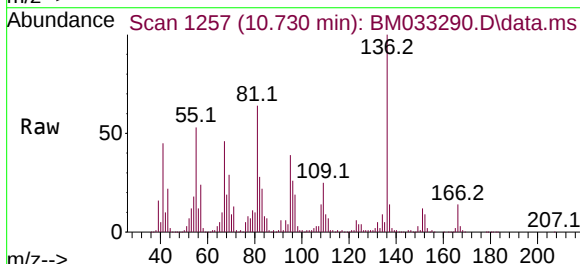
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

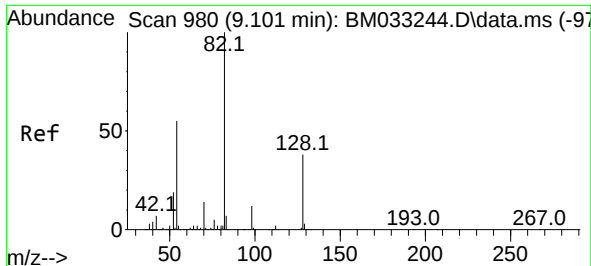
Tgt Ion:117 Resp: 16966
Ion Ratio Lower Upper
117 100
119 530.8 77.7 116.5#
201 0.0 70.2 105.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.730 min Scan# 1257
Delta R.T. -0.007 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:136 Resp: 539204
Ion Ratio Lower Upper
136 100
137 13.7 8.7 13.1#
54 18.4 7.4 11.0#
68 19.1 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 82.773 ng

RT: 9.089 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

Instrument :

BNA_M

ClientSampleId :

SB-3-3.0

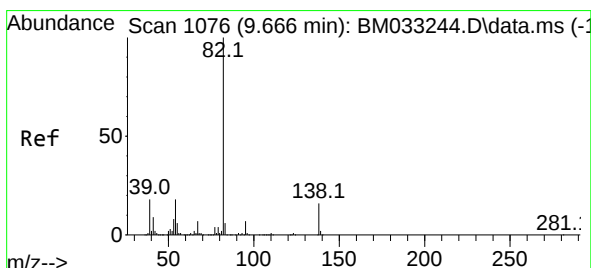
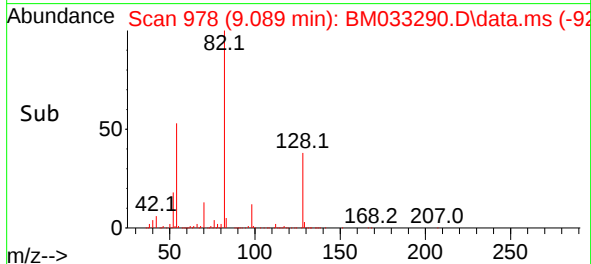
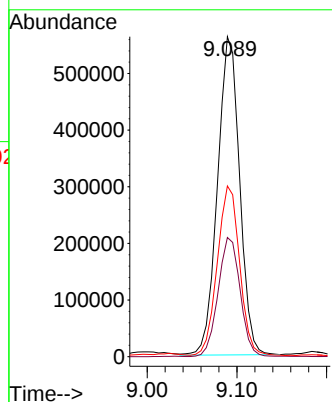
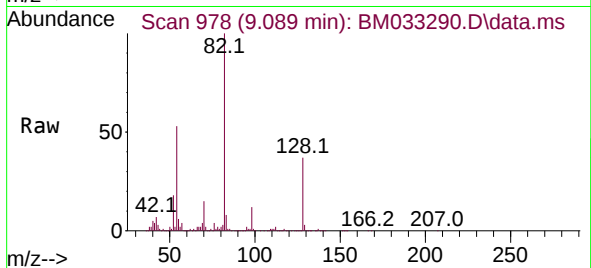
Tgt Ion: 82 Resp: 961401

Ion Ratio Lower Upper

82 100

128 37.2 29.0 43.6

54 53.3 45.8 68.8



#25

Isophorone

Concen: 5.374 ng

RT: 9.642 min Scan# 1072

Delta R.T. -0.024 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

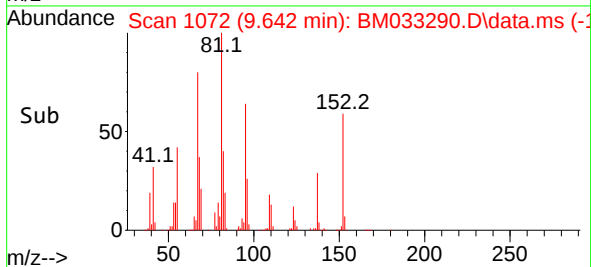
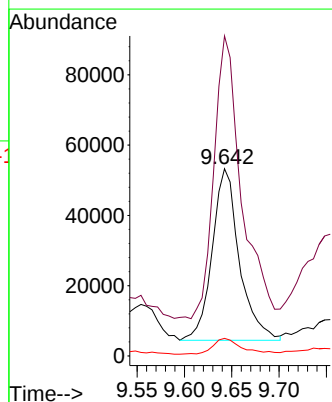
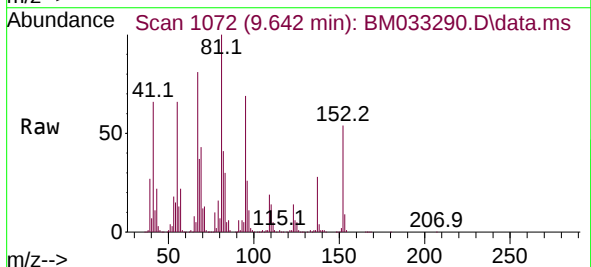
Tgt Ion: 82 Resp: 97622

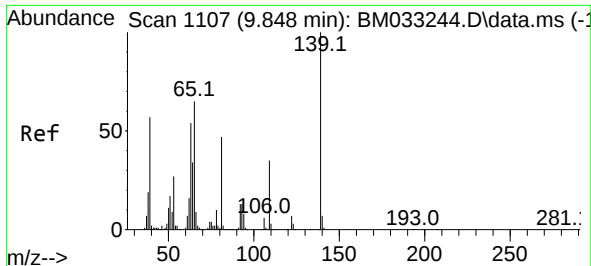
Ion Ratio Lower Upper

82 100

95 171.0 6.4 9.6#

138 9.4 12.4 18.6#

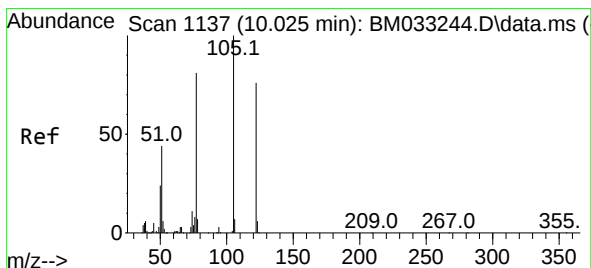
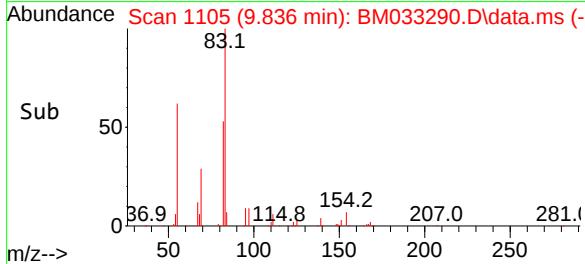
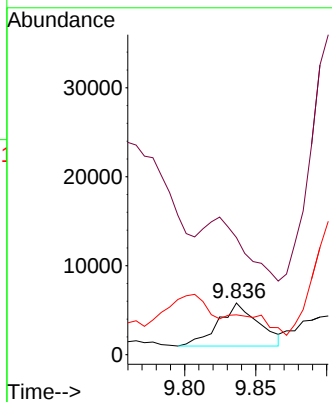
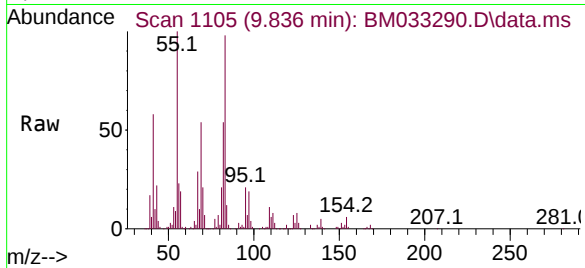




#26
2-Nitrophenol
Concen: 2.283 ng
RT: 9.836 min Scan# 1105
Delta R.T. -0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

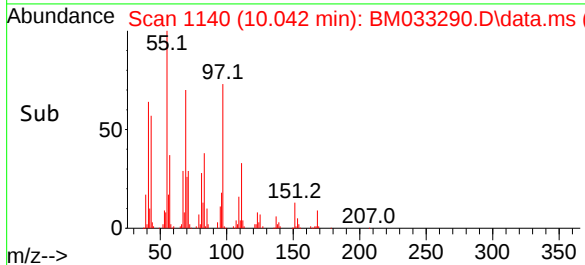
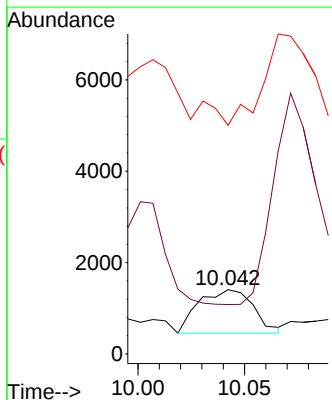
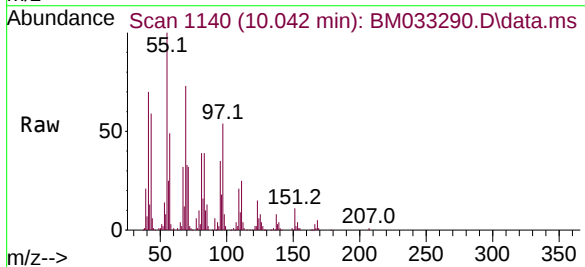
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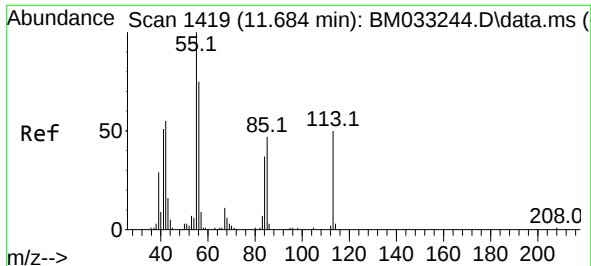
Tgt Ion:139 Resp: 9530
Ion Ratio Lower Upper
139 100
109 226.6 34.8 52.2#
65 77.1 59.9 89.9



#32
Benzoic acid
Concen: 5.545 ng
RT: 10.042 min Scan# 1140
Delta R.T. 0.017 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:122 Resp: 1698
Ion Ratio Lower Upper
122 100
105 76.8 120.3 160.3#
77 355.2 100.0 140.0#

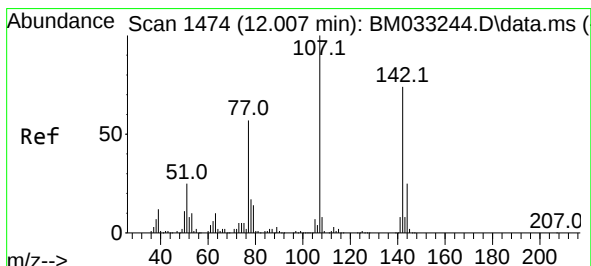
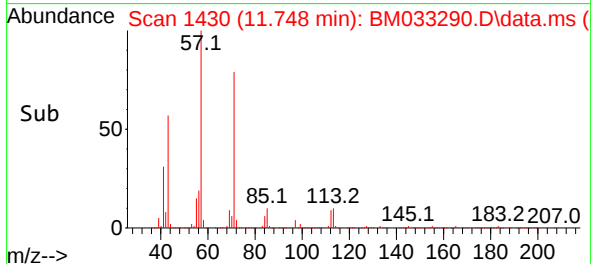
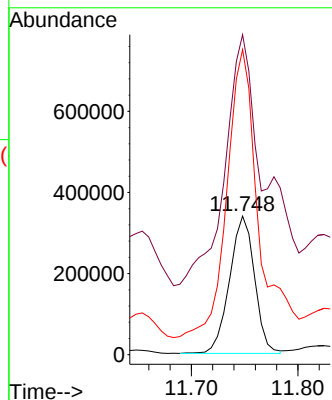
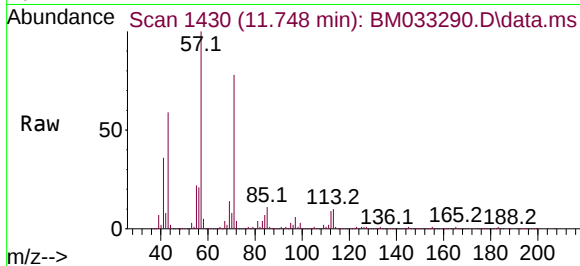




#35
Caprolactam
Concen: 357.355 ng
RT: 11.748 min Scan# 1419
Delta R.T. 0.064 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

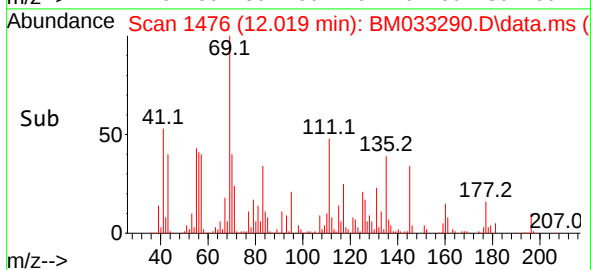
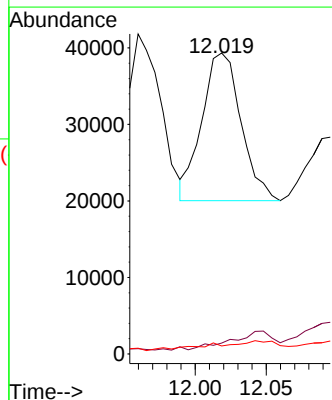
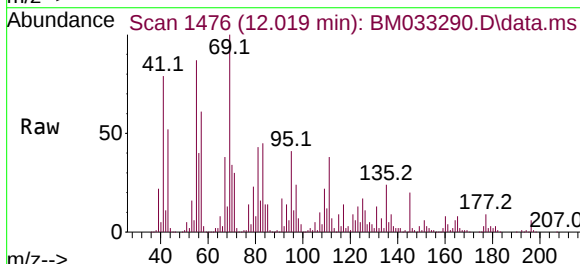
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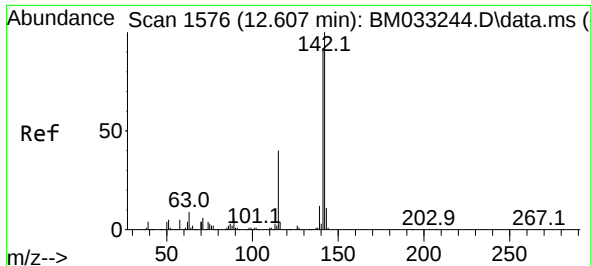
Tgt Ion:113 Resp: 552280
Ion Ratio Lower Upper
113 100
55 231.1 170.5 210.5#
56 220.4 125.2 165.2#



#36
4-Chloro-3-methylphenol
Concen: 4.028 ng
RT: 12.019 min Scan# 1476
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:107 Resp: 36969
Ion Ratio Lower Upper
107 100
144 3.6 19.3 28.9#
142 2.6 60.5 90.7#

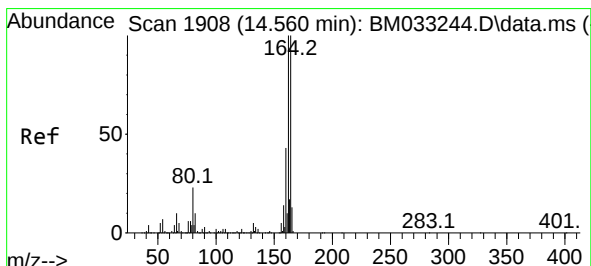
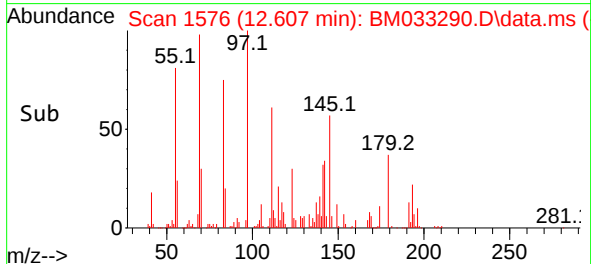
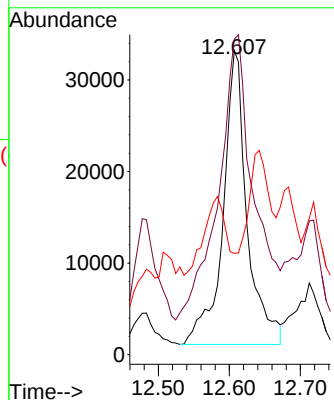
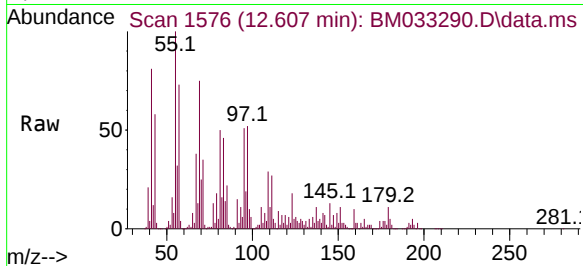




#38
1-Methylnaphthalene
Concen: 3.993 ng
RT: 12.607 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

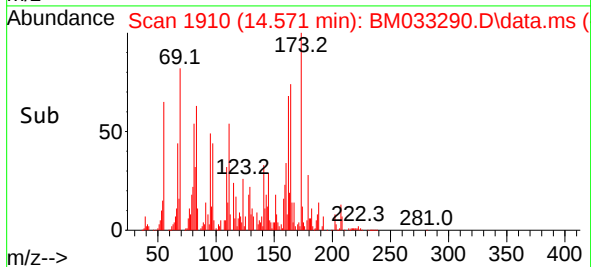
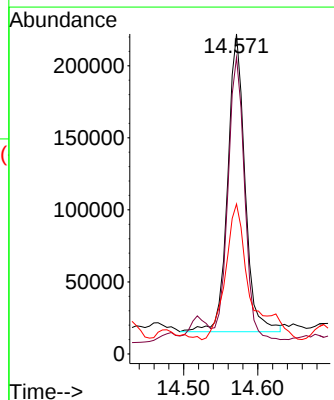
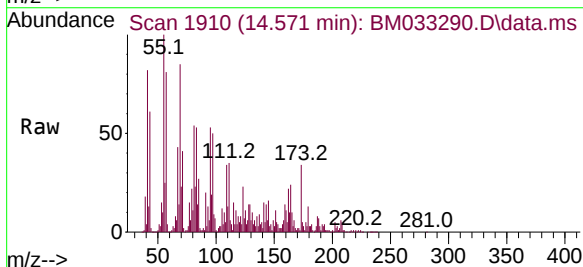
Instrument :
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ClientSampleId :
SB-3-3.0

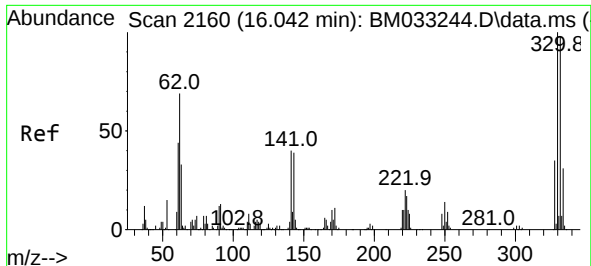
Tgt Ion:142 Resp: 75441
Ion Ratio Lower Upper
142 100
141 103.8 75.6 113.4
116 33.3 4.0 6.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1910
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:164 Resp: 336591
Ion Ratio Lower Upper
164 100
162 92.7 80.6 121.0
160 46.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 87.529 ng

RT: 16.060 min Scan# 2163

Delta R.T. 0.017 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

Instrument :

BNA_M

ClientSampleId :

SB-3-3.0

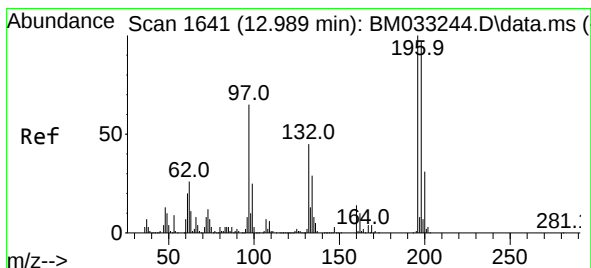
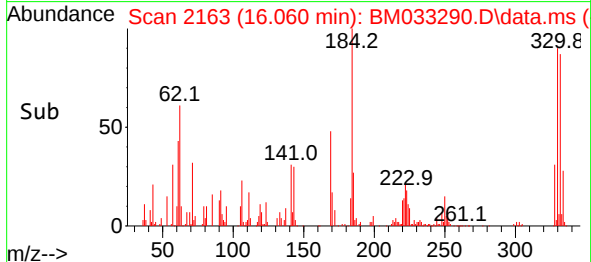
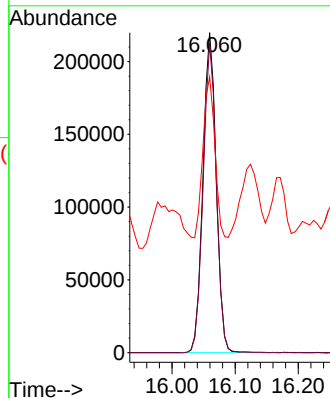
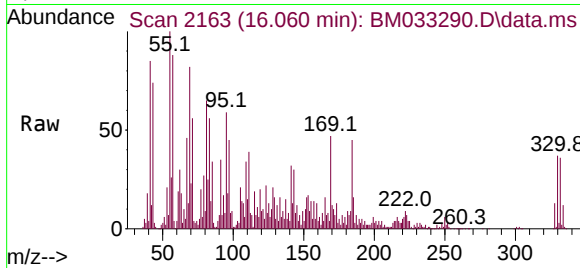
Tgt Ion:330 Resp: 321159

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

141 44.7 50.7 76.1#



#43

2,4,6-Trichlorophenol

Concen: 2.486 ng

RT: 13.013 min Scan# 1645

Delta R.T. 0.023 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

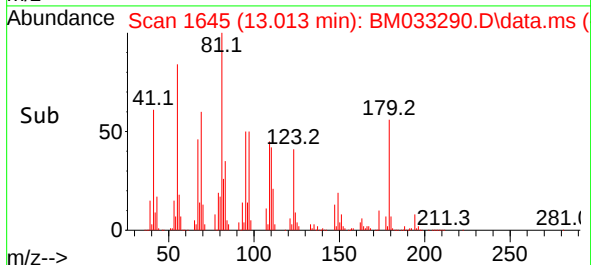
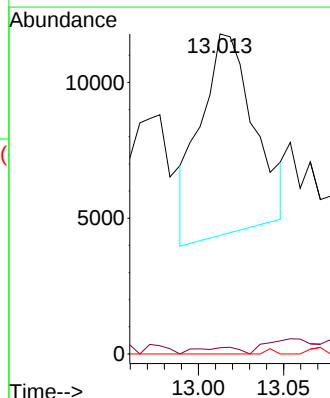
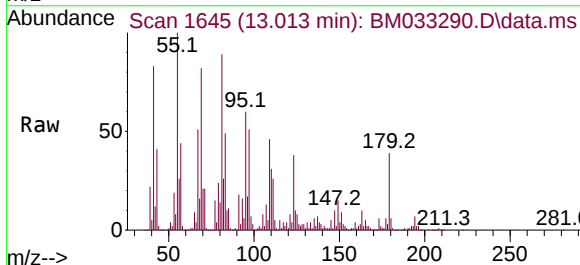
Tgt Ion:196 Resp: 16044

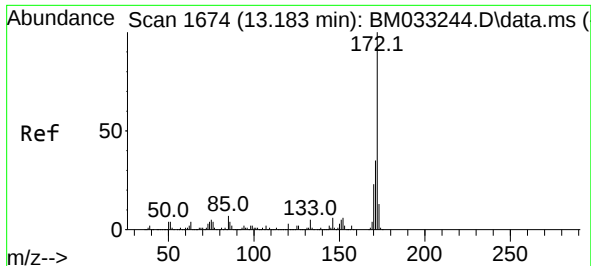
Ion Ratio Lower Upper

196 100

198 2.0 73.6 110.4#

200 0.0 22.1 33.1#

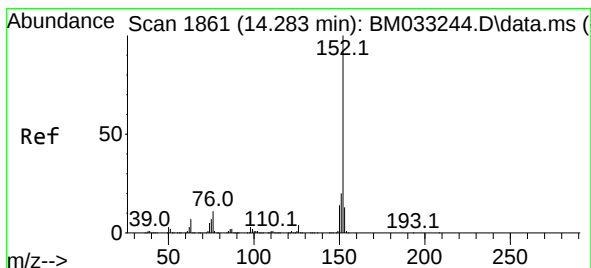
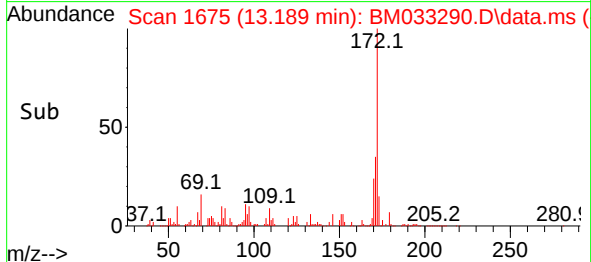
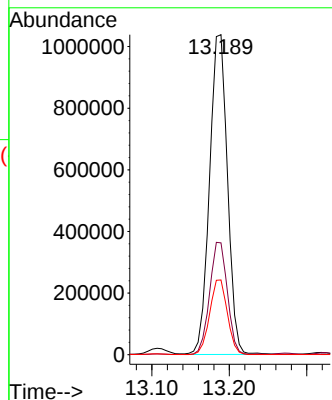
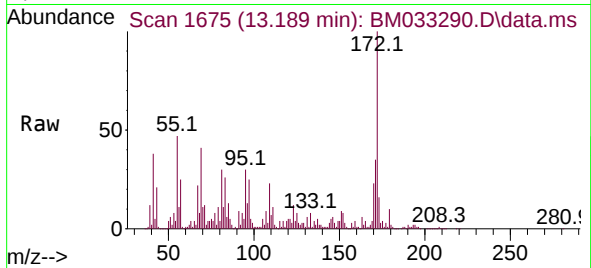




#45
2-Fluorobiphenyl
Concen: 69.788 ng
RT: 13.189 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

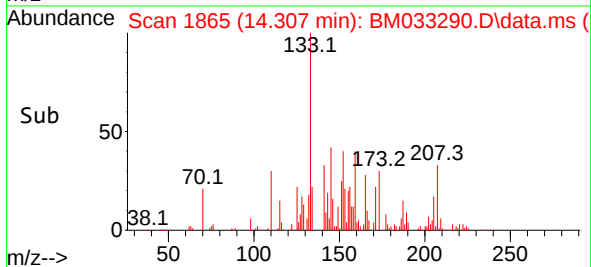
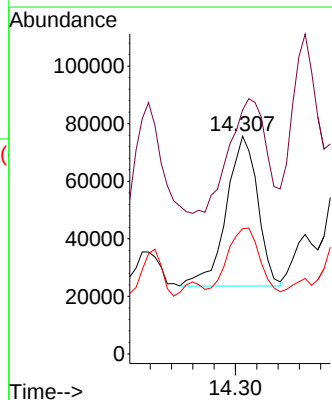
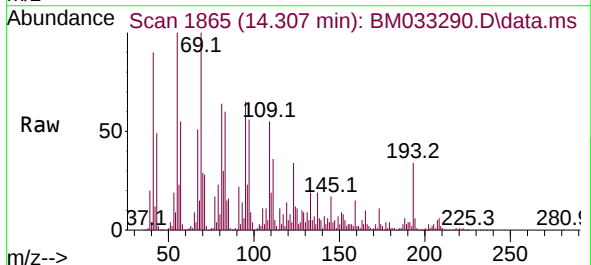
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

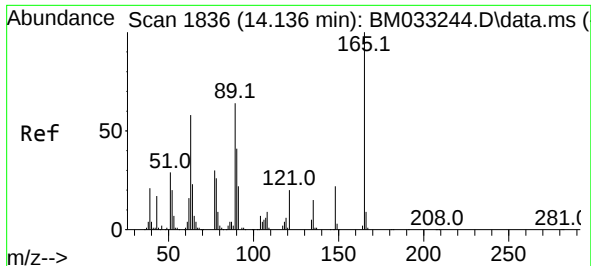
Tgt Ion:172 Resp: 1665604
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.4 18.6 27.8



#49
Acenaphthylene
Concen: 3.530 ng
RT: 14.307 min Scan# 1865
Delta R.T. 0.023 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:152 Resp: 106619
Ion Ratio Lower Upper
152 100
151 112.0 15.7 23.5#
153 57.5 10.6 15.8#

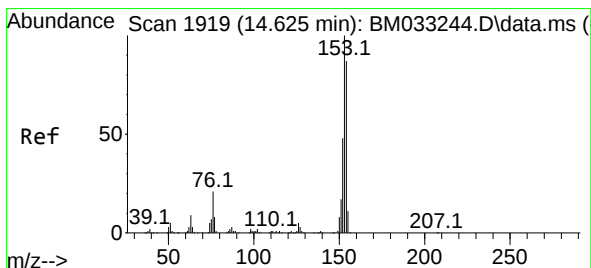
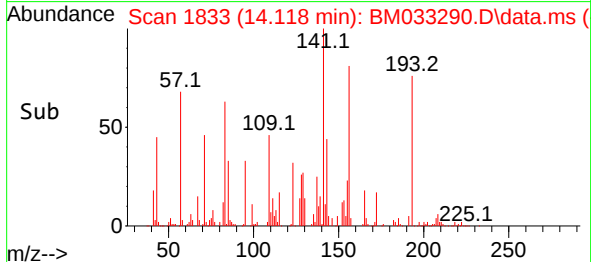
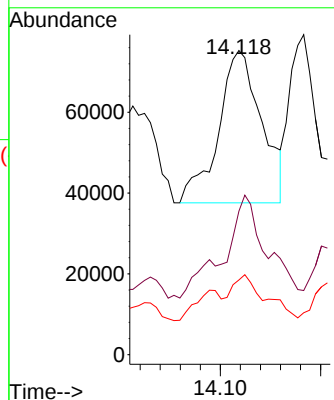
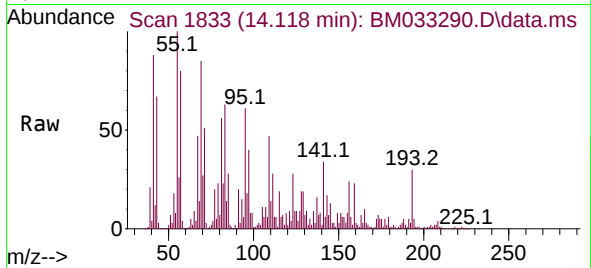




#51
2,6-Dinitrotoluene
Concen: 23.522 ng
RT: 14.118 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

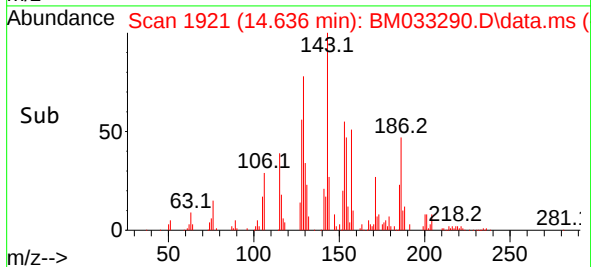
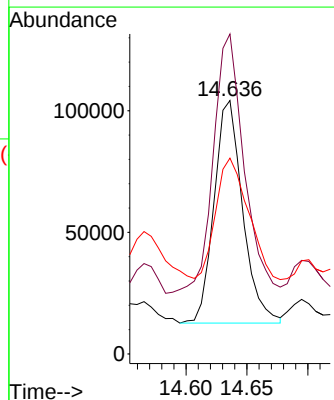
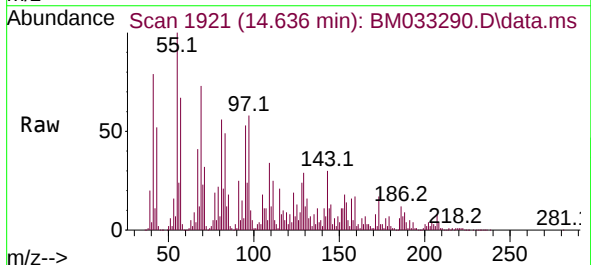
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

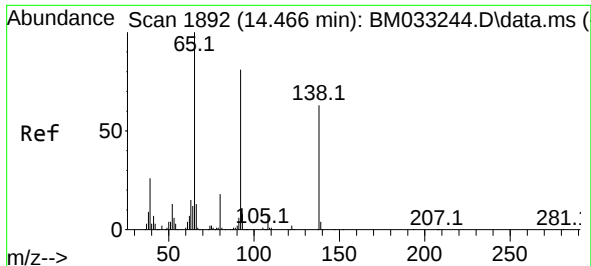
Tgt Ion:165 Resp: 112650
Ion Ratio Lower Upper
165 100
63 47.2 72.4 108.6#
89 24.6 69.3 103.9#



#52
Acenaphthene
Concen: 8.054 ng
RT: 14.636 min Scan# 1921
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:154 Resp: 149457
Ion Ratio Lower Upper
154 100
153 126.3 92.4 138.6
152 77.3 43.7 65.5#

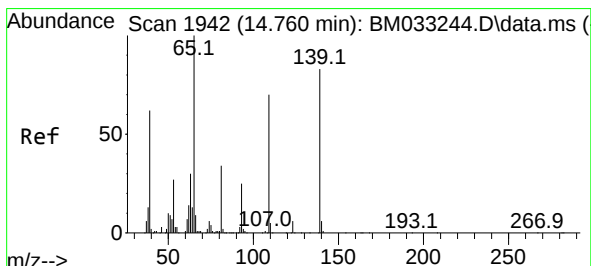
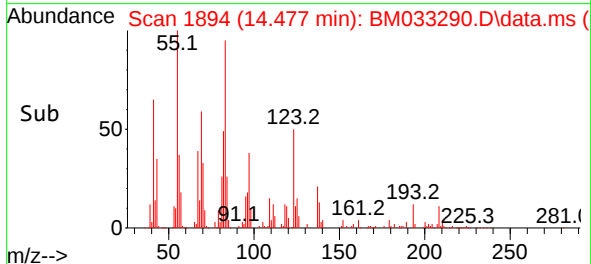
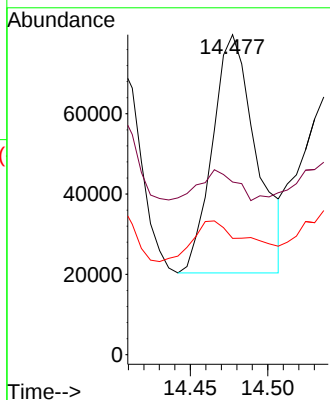
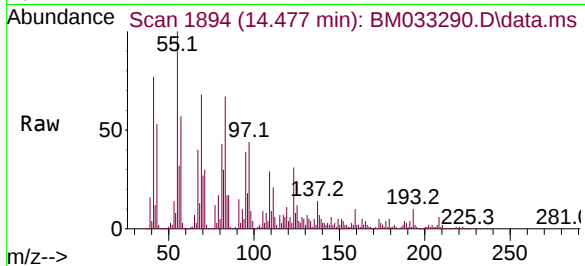




#53
3-Nitroaniline
Concen: 22.823 ng
RT: 14.477 min Scan# 1892
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

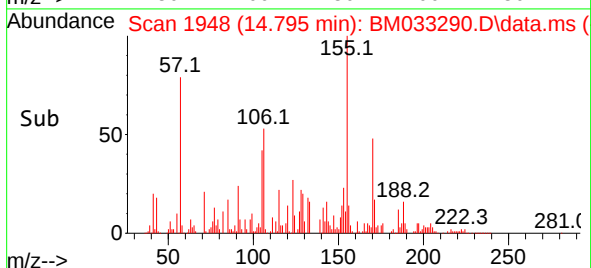
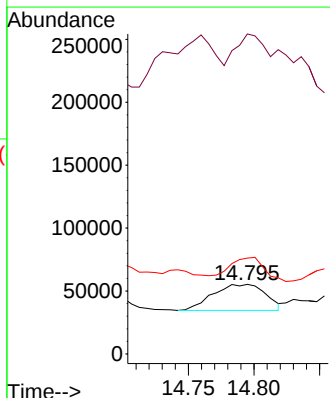
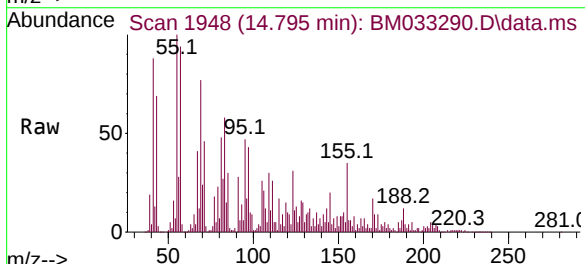
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

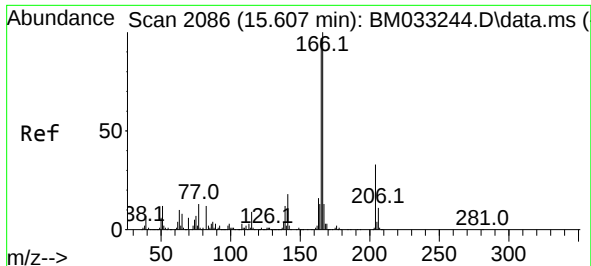
Tgt Ion:138 Resp: 116474
Ion Ratio Lower Upper
138 100
108 54.0 8.3 12.5#
92 36.4 105.2 157.8#



#56
4-Nitrophenol
Concen: 14.132 ng
RT: 14.795 min Scan# 1948
Delta R.T. 0.035 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:139 Resp: 57803
Ion Ratio Lower Upper
139 100
109 460.2 92.3 132.3#
65 138.0 110.5 150.5

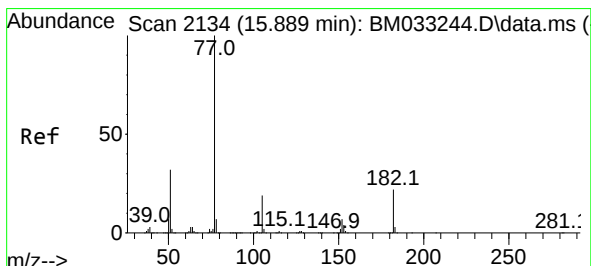
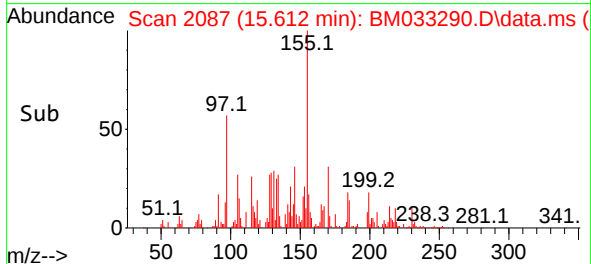
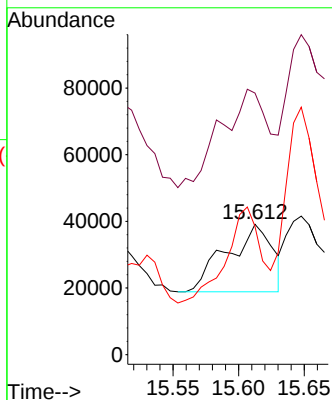
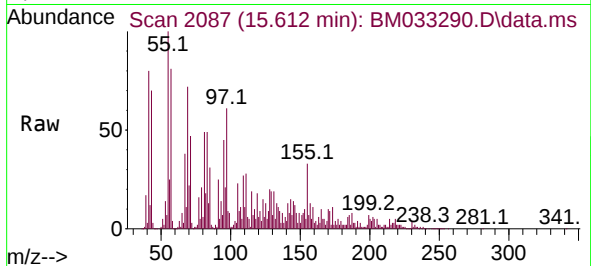




#58
Fluorene
Concen: 2.030 ng
RT: 15.612 min Scan# 2086
Delta R.T. 0.006 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

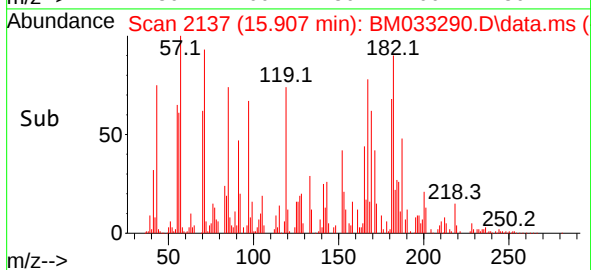
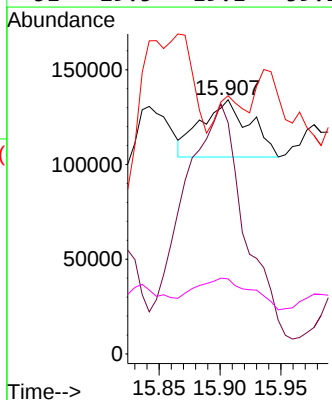
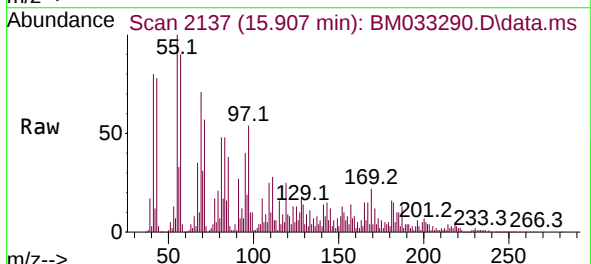
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

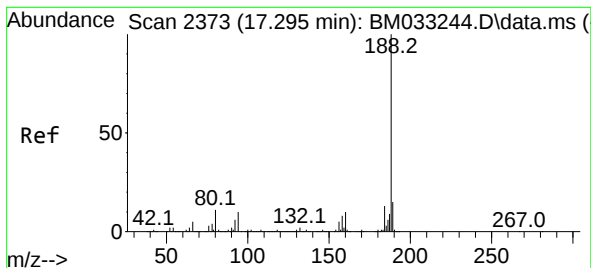
Tgt Ion:166 Resp: 49040
Ion Ratio Lower Upper
166 100
165 200.7 79.3 118.9#
167 98.3 10.6 16.0#



#63
Azobenzene
Concen: 3.190 ng
RT: 15.907 min Scan# 2137
Delta R.T. 0.017 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion: 77 Resp: 83828
Ion Ratio Lower Upper
77 100
182 90.9 0.0 39.3#
105 101.6 0.0 36.1#
51 29.5 19.1 59.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 21

Delta R.T. 0.017 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

Instrument :

BNA_M

ClientSampleId :

SB-3-3.0

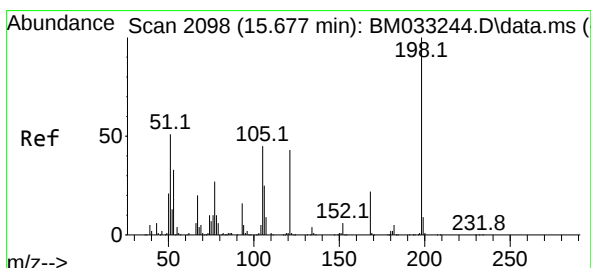
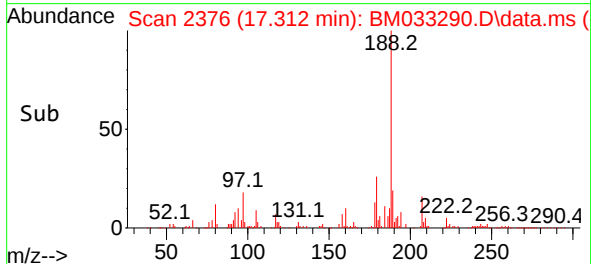
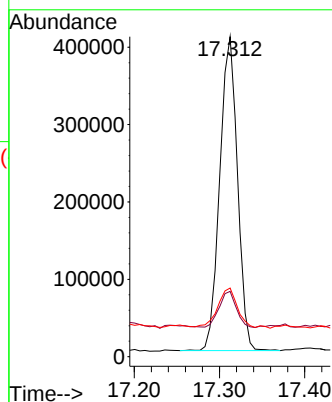
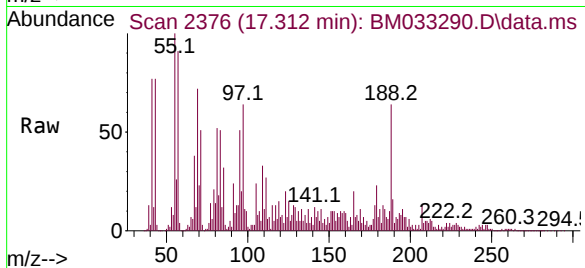
Tgt Ion:188 Resp: 585740

Ion Ratio Lower Upper

188 100

94 20.4 6.3 9.5#

80 21.4 7.3 10.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.171 ng

RT: 15.660 min Scan# 2095

Delta R.T. -0.018 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

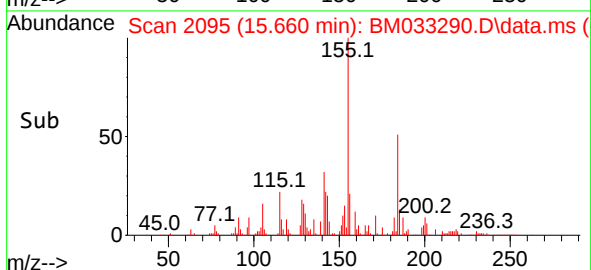
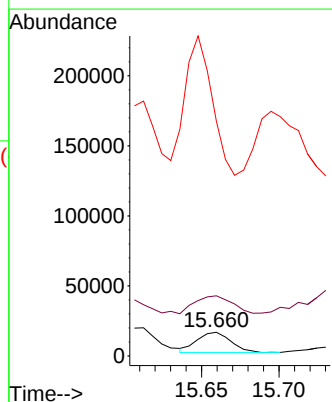
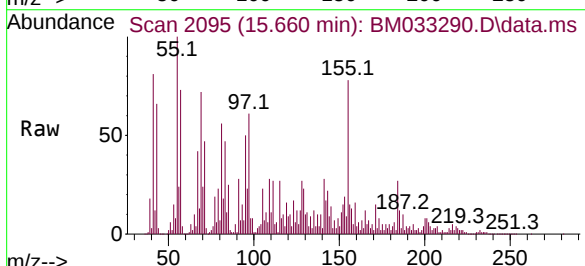
Tgt Ion:198 Resp: 21757

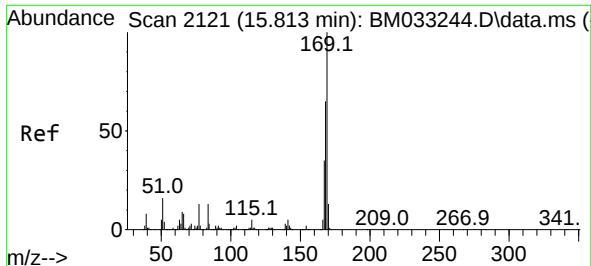
Ion Ratio Lower Upper

198 100

51 254.6 49.7 89.7#

105 994.2 34.9 74.9#

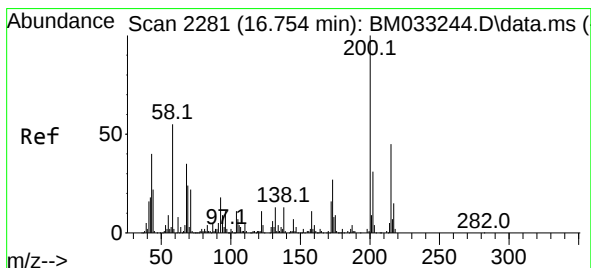
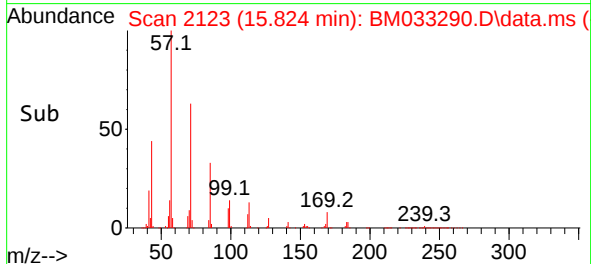
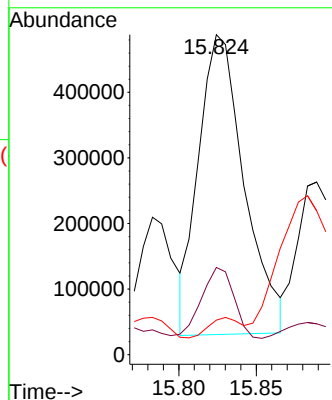
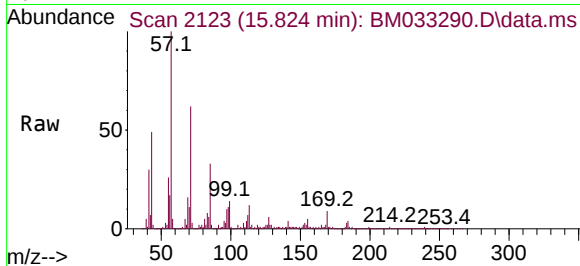




#66
n-Nitrosodiphenylamine
Concen: 54.572 ng
RT: 15.824 min Scan# 2121
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

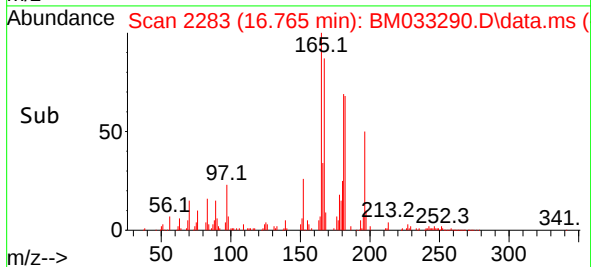
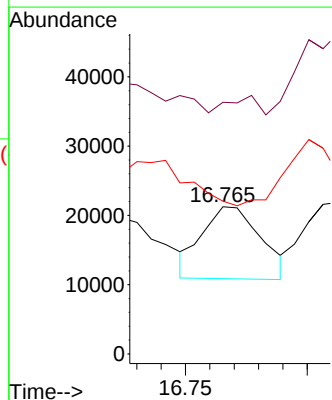
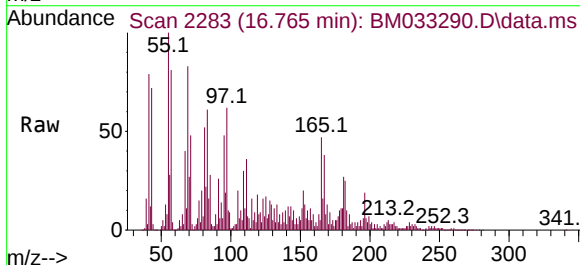
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

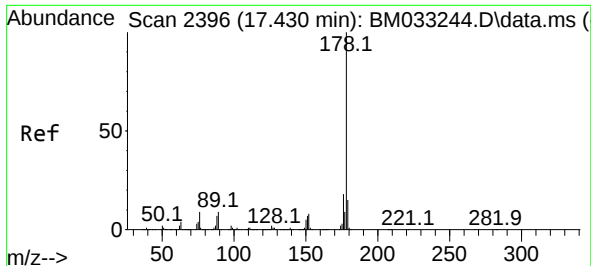
Tgt Ion:169 Resp: 937792
Ion Ratio Lower Upper
169 100
168 27.2 55.0 82.4#
167 10.8 29.8 44.8#



#69
Atrazine
Concen: 4.843 ng
RT: 16.765 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:200 Resp: 17386
Ion Ratio Lower Upper
200 100
173 171.0 5.8 45.8#
215 103.8 23.6 63.6#

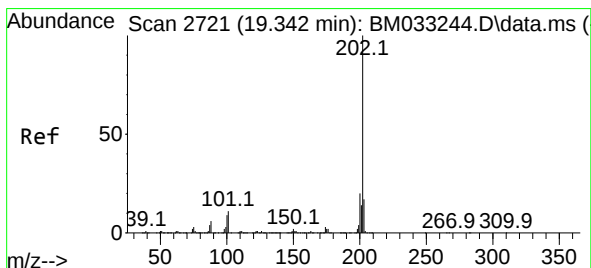
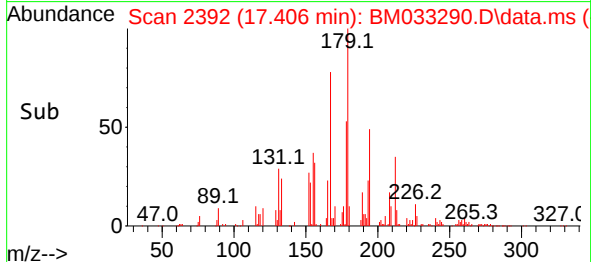
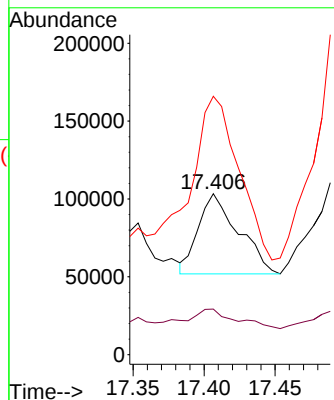
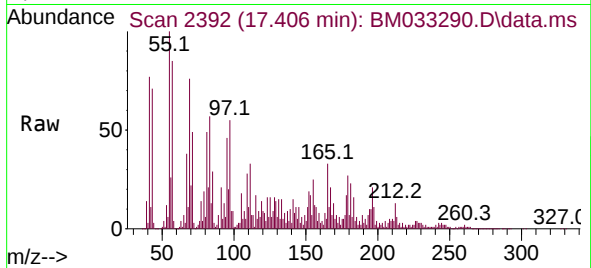




#72
 Anthracene
 Concen: 3.247 ng
 RT: 17.406 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BM033290.D
 Acq: 03 Dec 2021 17:25

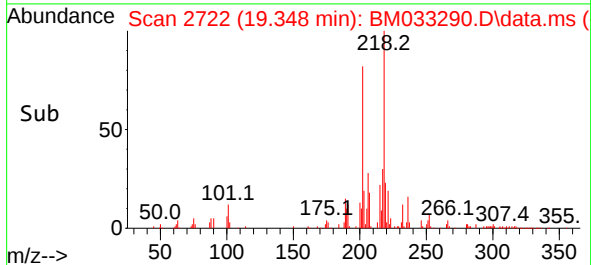
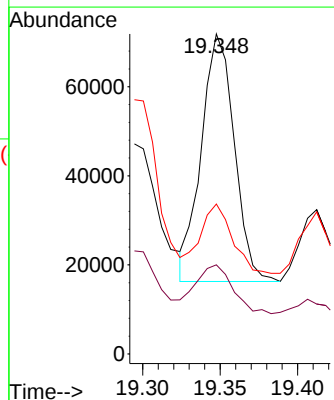
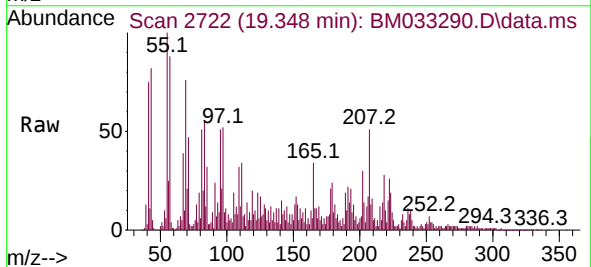
Instrument :
 BNA_M
 ClientSampleId :
 SB-3-3.0

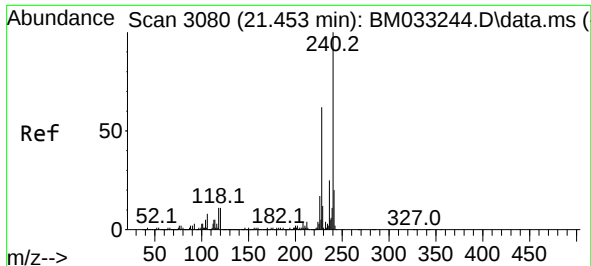
Tgt Ion:178 Resp: 100852
 Ion Ratio Lower Upper
 178 100
 176 28.4 14.8 22.2#
 179 160.6 12.3 18.5#



#75
 Fluoranthene
 Concen: 2.222 ng
 RT: 19.348 min Scan# 2722
 Delta R.T. 0.006 min
 Lab File: BM033290.D
 Acq: 03 Dec 2021 17:25

Tgt Ion:202 Resp: 82230
 Ion Ratio Lower Upper
 202 100
 101 27.8 0.0 29.9
 203 46.8 0.0 36.8#

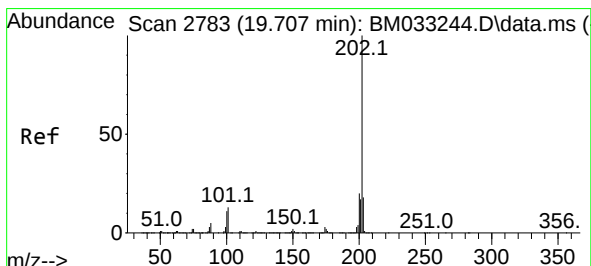
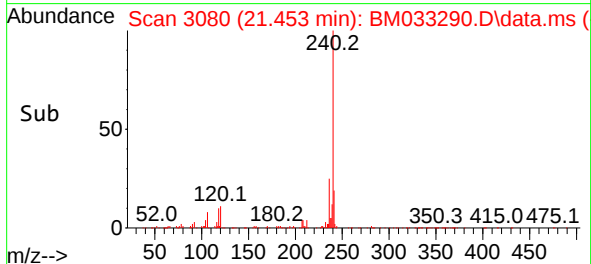
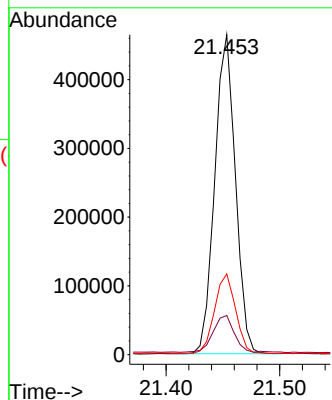
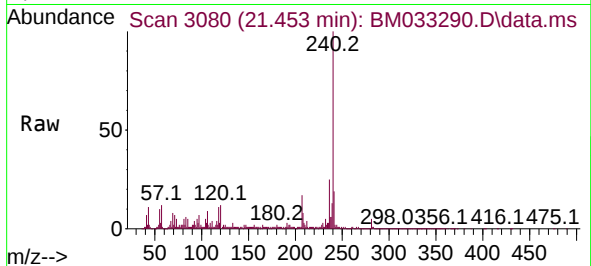




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

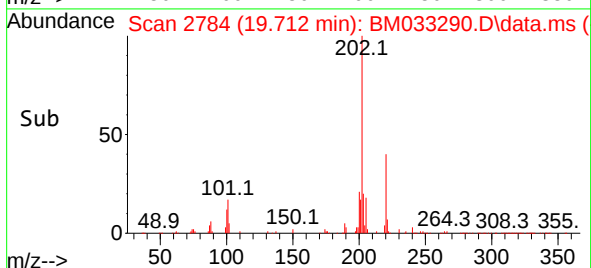
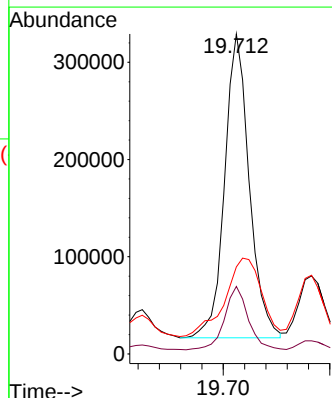
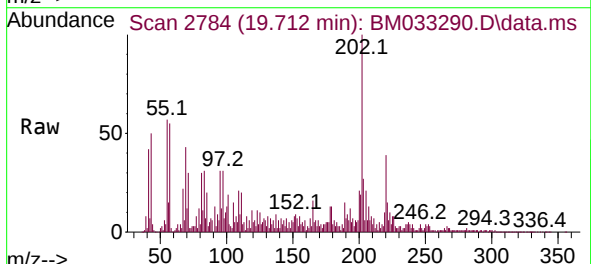
Instrument :
BNA_M
ClientSampleId :
SB-3-3.0

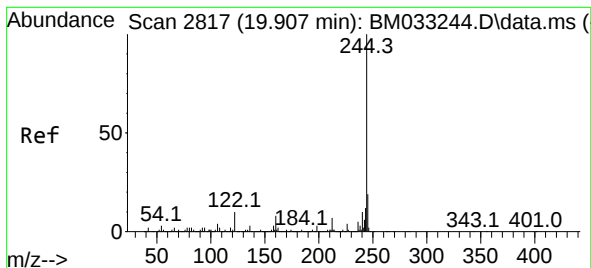
Tgt Ion:240 Resp: 586166
Ion Ratio Lower Upper
240 100
120 12.3 7.8 11.6#
236 25.3 20.9 31.3



#78
Pyrene
Concen: 12.987 ng
RT: 19.712 min Scan# 2784
Delta R.T. 0.006 min
Lab File: BM033290.D
Acq: 03 Dec 2021 17:25

Tgt Ion:202 Resp: 501129
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 27.2 13.7 20.5#





#79

Terphenyl-d14

Concen: 74.384 ng

RT: 19.906 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

Instrument :

BNA_M

ClientSampleId :

SB-3-3.0

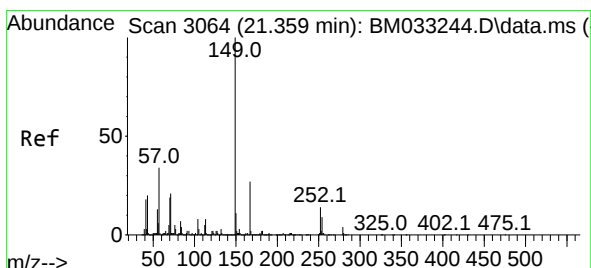
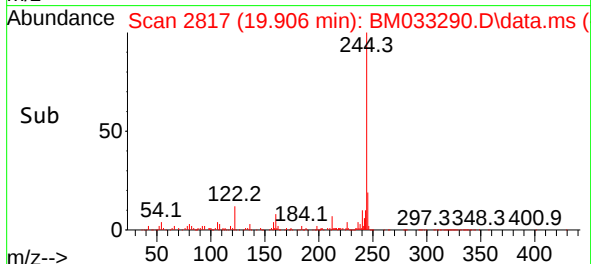
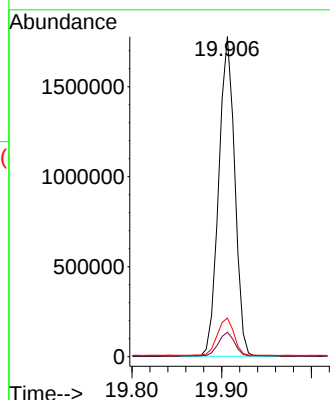
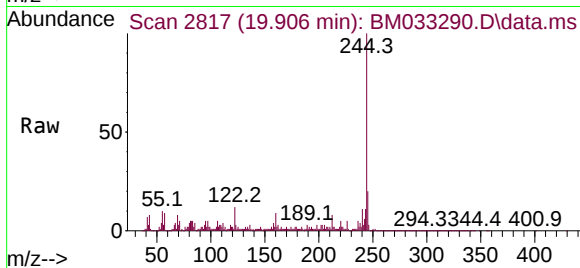
Tgt Ion:244 Resp: 2204984

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 12.1 8.7 13.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.059 ng

RT: 21.353 min Scan# 3063

Delta R.T. -0.006 min

Lab File: BM033290.D

Acq: 03 Dec 2021 17:25

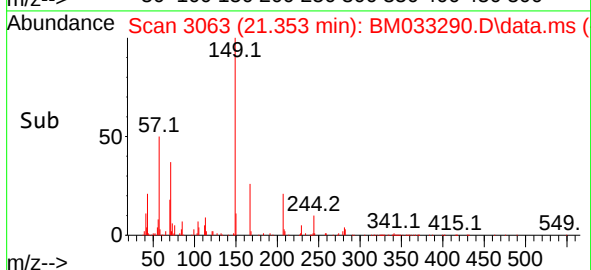
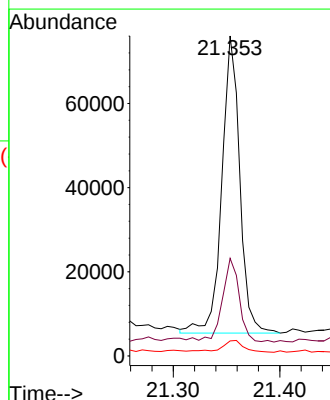
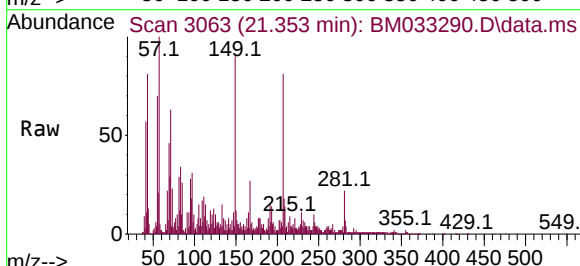
Tgt Ion:149 Resp: 82491

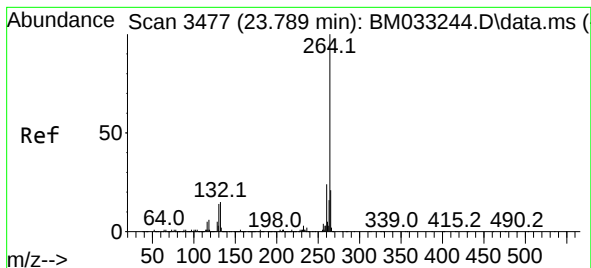
Ion Ratio Lower Upper

149 100

167 30.5 19.7 29.5#

279 4.7 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.783 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM033290.D

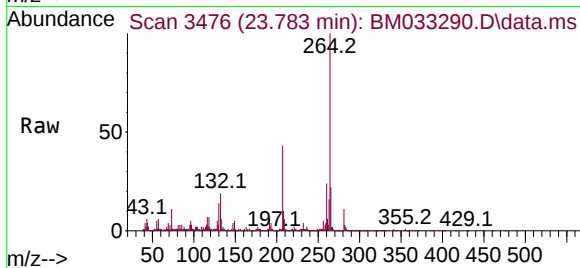
Acq: 03 Dec 2021 17:25

Instrument :

BNA_M

ClientSampleId :

SB-3-3.0



Tgt Ion:264 Resp: 592925

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.3 18.3 27.5

