

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033530.D
 Acq On : 18 Dec 2021 21:51
 Operator : CG/JU
 Sample : M4873-03DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 07:09:39 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)

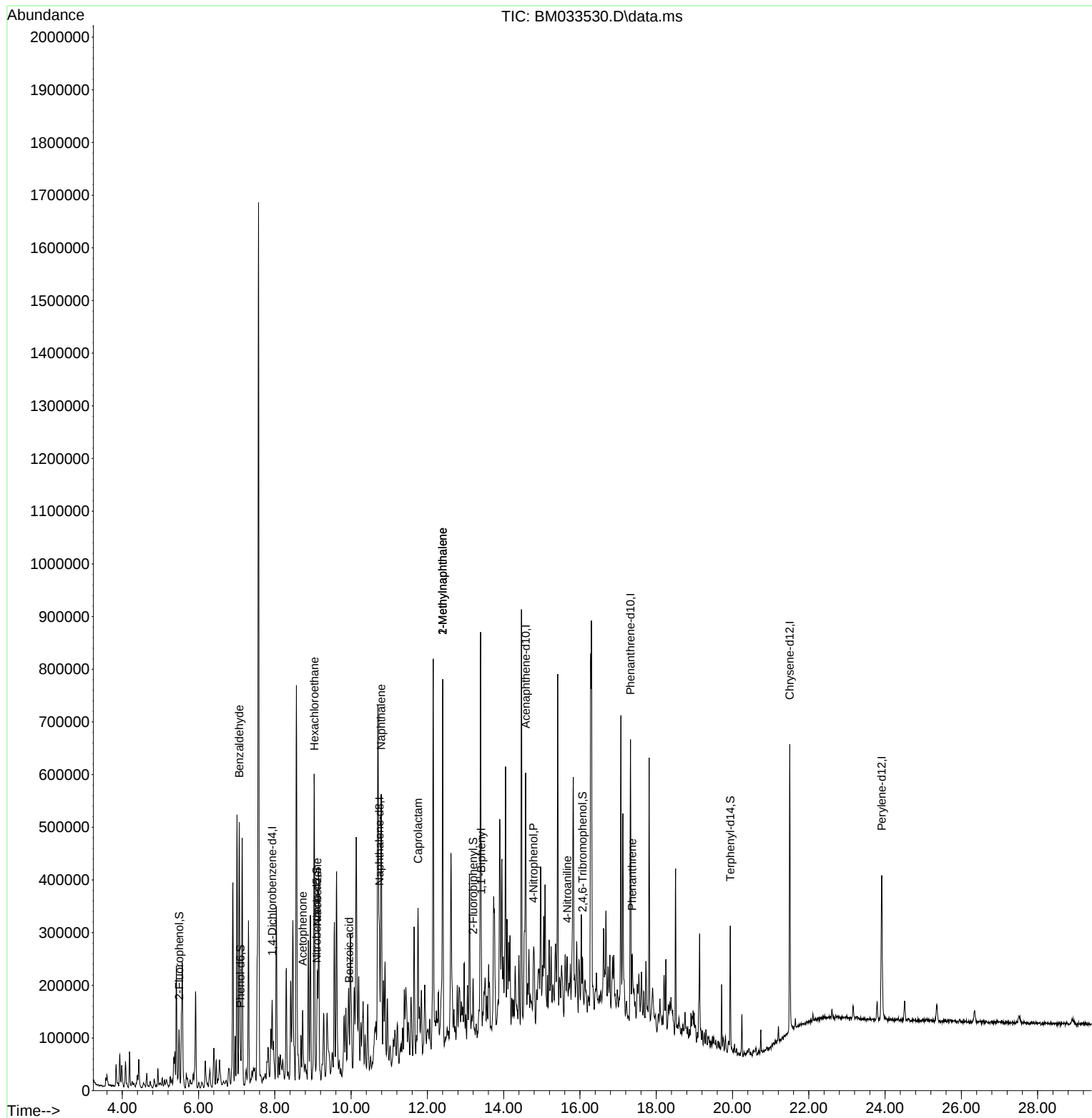
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	36082	20.000	ng	-0.01
21) Naphthalene-d8	10.743	136	168466	20.000	ng	-0.01
39) Acenaphthene-d10	14.578	164	129048	20.000	ng	-0.01
64) Phenanthrene-d10	17.324	188	273766	20.000	ng	-0.01
76) Chrysene-d12	21.501	240	261444	20.000	ng	#-0.01
86) Perylene-d12	23.912	264	215999	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	17475	8.357	ng	0.00
7) Phenol-d6	7.102	99	26202	9.337	ng	-0.01
23) Nitrobenzene-d5	9.101	82	24898	6.346	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	9675	6.665	ng	-0.01
45) 2-Fluorobiphenyl	13.201	172	55978	6.000	ng	-0.01
79) Terphenyl-d14	19.942	244	95953	5.778	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	336	Below Cal	#	13
9) Benzaldehyde	7.066	77	33329	17.058	ng	# 1
18) Hexachloroethane	9.037	117	50363	42.768	ng	# 1
22) Acetophenone	8.731	105	81264	17.817	ng	# 55
24) Nitrobenzene	9.113	77	7710	2.001	ng	# 4
31) Naphthalene	10.790	128	265206	29.060	ng	98
32) Benzoic acid	9.948	122	803	3.451	ng	# 1
35) Caprolactam	11.754	113	8849	17.752	ng	# 3
37) 2-Methylnaphthalene	12.401	142	289857	45.915	ng	95
38) 1-Methylnaphthalene	12.401	142	289857	46.032	ng	95
46) 1,1'-Biphenyl	13.413	154	23734	2.484	ng	96
56) 4-Nitrophenol	14.783	139	7729	9.312	ng	# 47
62) 4-Nitroaniline	15.672	138	162	2.653	ng	# 62
71) Phenanthrene	17.366	178	48047	3.153	ng	# 92

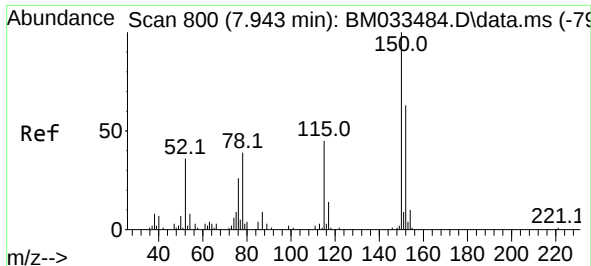
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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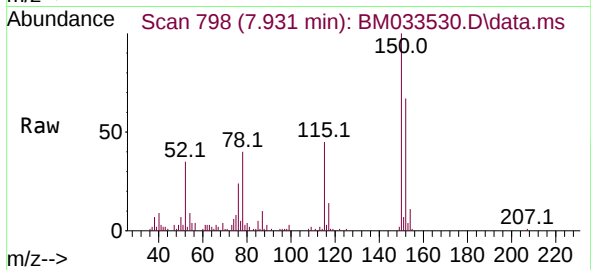
Quant Time: Dec 20 07:09:39 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
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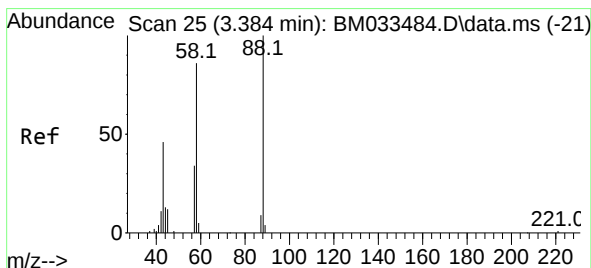
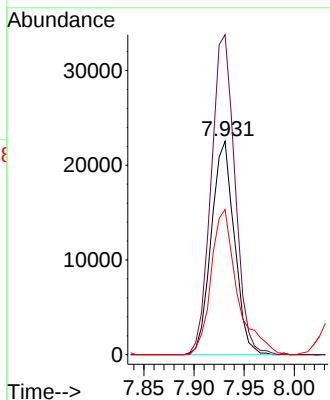
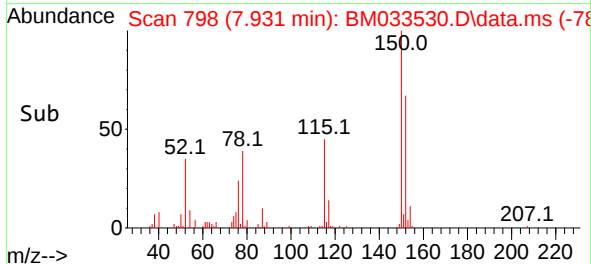


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

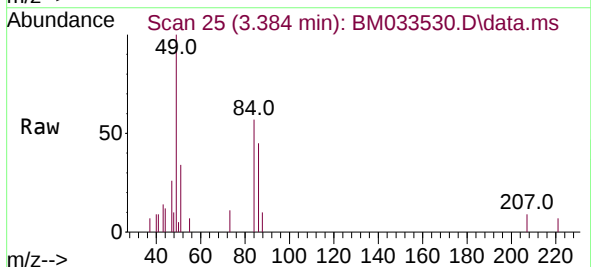
Instrument :
BNA_M
ClientSampleId :



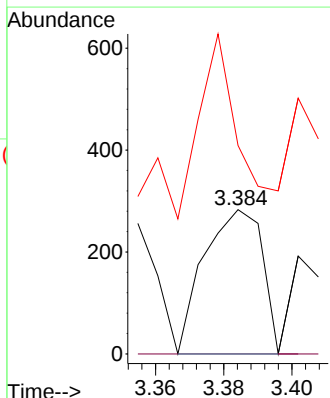
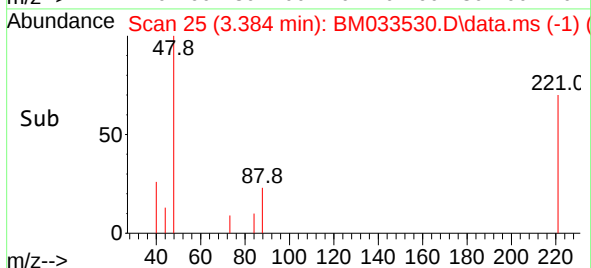
Tgt Ion:152 Resp: 36082
Ion Ratio Lower Upper
152 100
150 150.0 128.9 193.3
115 68.0 53.0 79.6

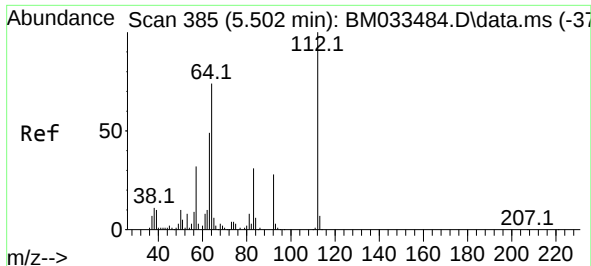


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.384 min Scan# 25
Delta R.T. 0.000 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51



Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
58 0.0 67.0 100.4#
43 86.3 31.6 47.4#

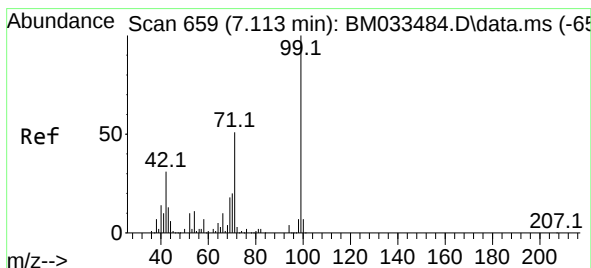
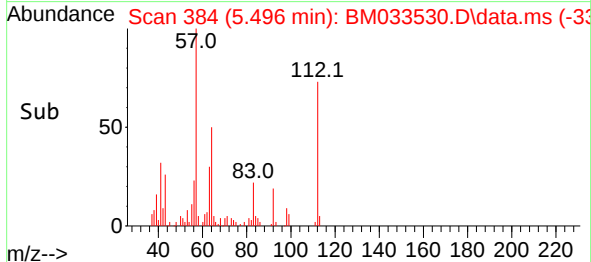
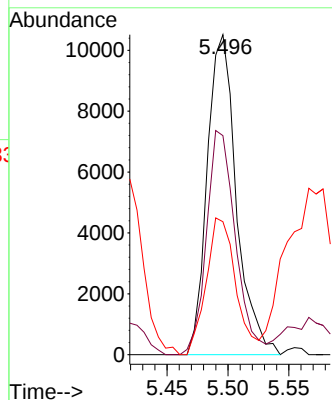
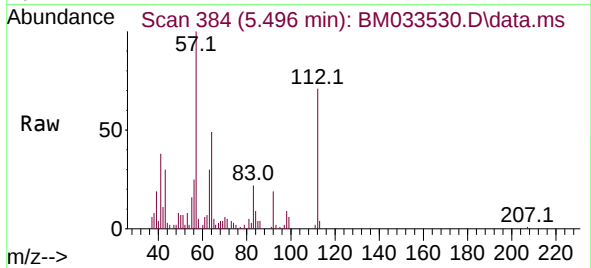




#5
2-Fluorophenol
Concen: 8.357 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

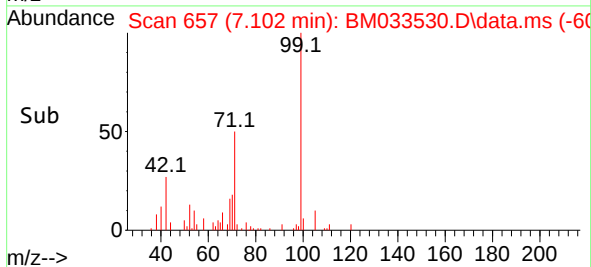
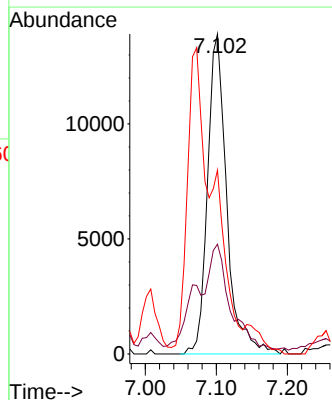
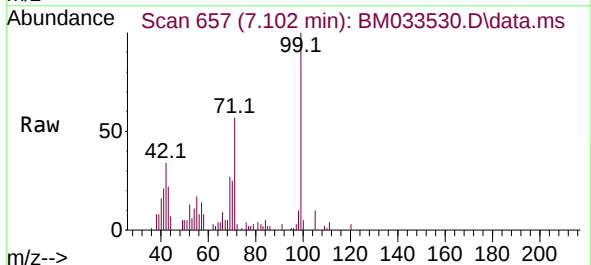
Instrument :
BNA_M
ClientSampleId :

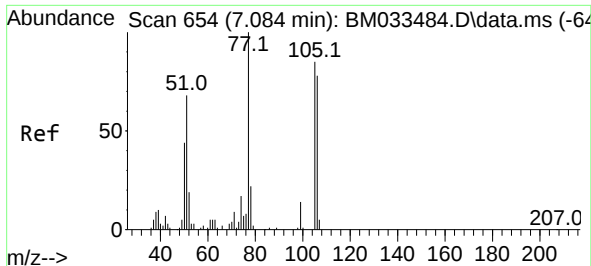
Tgt Ion:112 Resp: 17475
Ion Ratio Lower Upper
112 100
64 68.4 55.5 83.3
63 41.6 31.3 46.9



#7
Phenol-d6
Concen: 9.337 ng
RT: 7.102 min Scan# 657
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

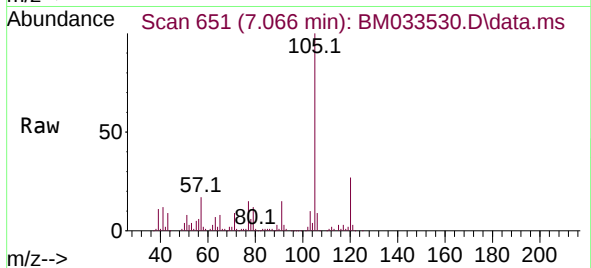
Tgt Ion: 99 Resp: 26202
Ion Ratio Lower Upper
99 100
42 34.3 20.3 30.5#
71 57.5 34.5 51.7#



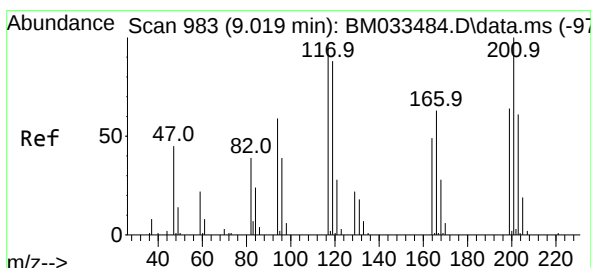
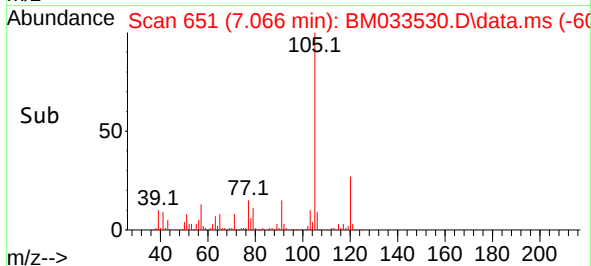
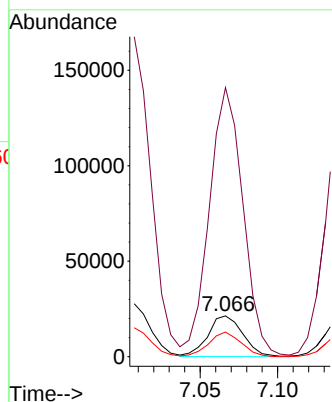


#9
Benzaldehyde
Concen: 17.058 ng
RT: 7.066 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

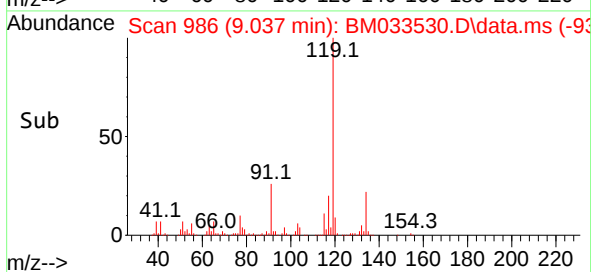
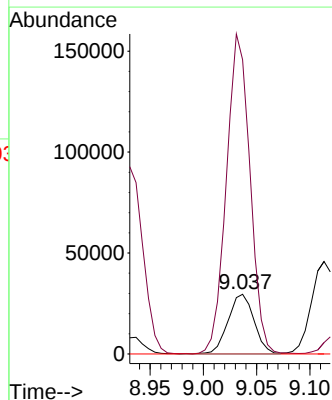
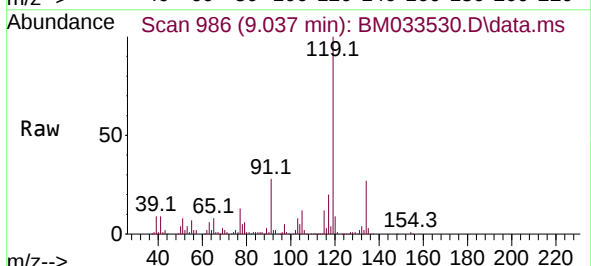


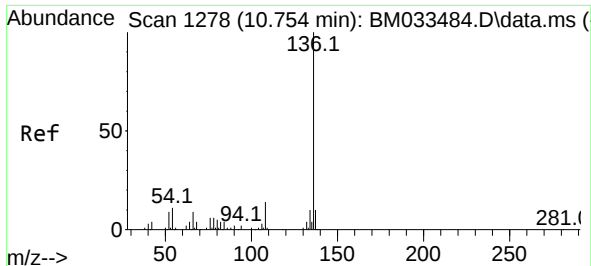
Tgt Ion: 77 Resp: 33329
Ion Ratio Lower Upper
77 100
105 658.3 67.1 107.1#
106 60.3 64.3 104.3#



#18
Hexachloroethane
Concen: 42.768 ng
RT: 9.037 min Scan# 986
Delta R.T. 0.018 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

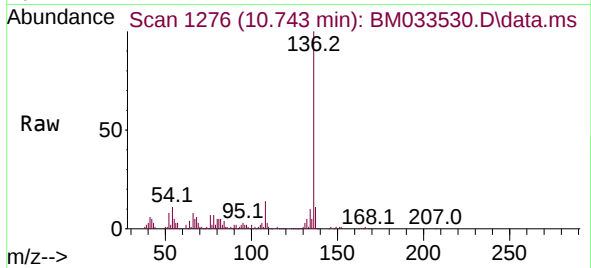
Tgt Ion: 117 Resp: 50363
Ion Ratio Lower Upper
117 100
119 492.5 75.0 112.6#
201 0.0 75.2 112.8#



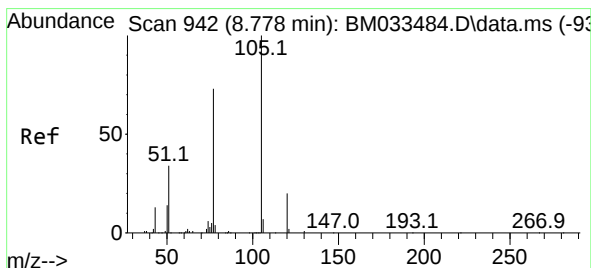
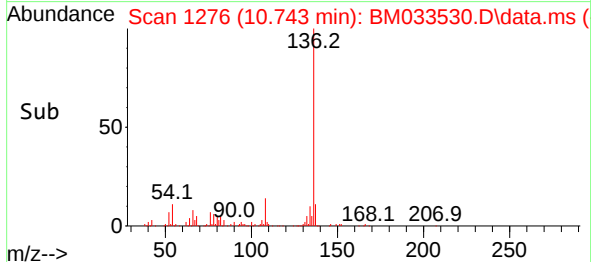
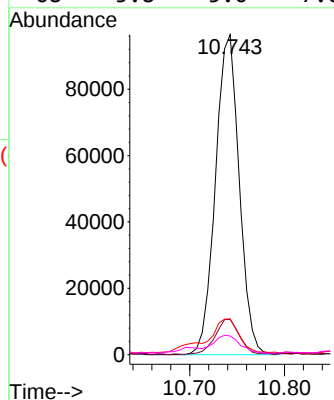


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

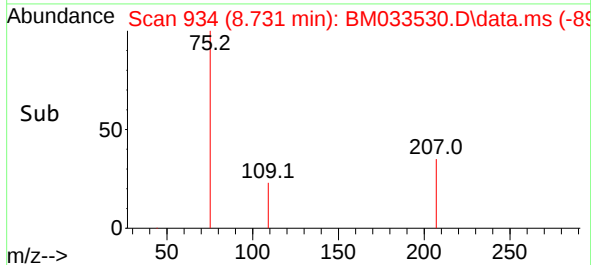
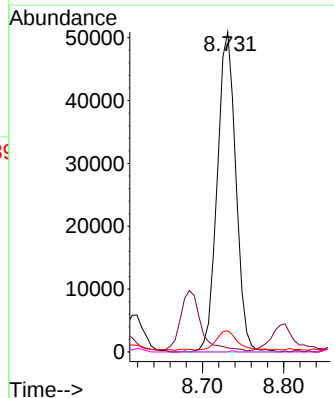
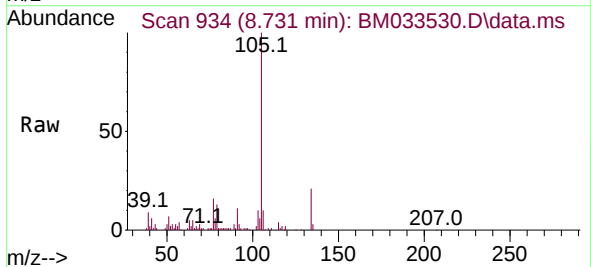


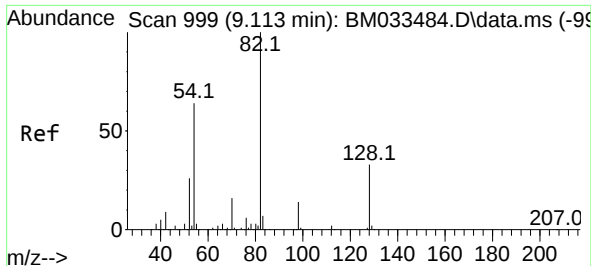
Tgt Ion:136 Resp: 168466
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.2 8.3 12.5
68 5.8 5.0 7.6



#22
Acetophenone
Concen: 17.817 ng
RT: 8.731 min Scan# 934
Delta R.T. -0.047 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

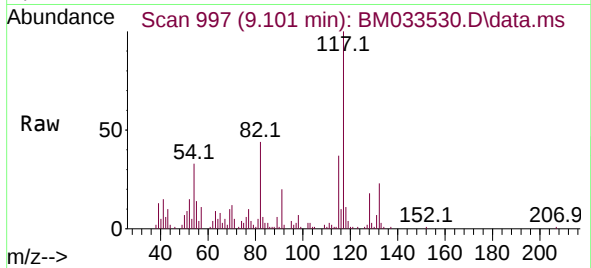
Tgt Ion:105 Resp: 81264
Ion Ratio Lower Upper
105 100
71 1.3 1.6 2.4#
51 6.6 27.7 41.5#
120 0.0 16.2 24.2#



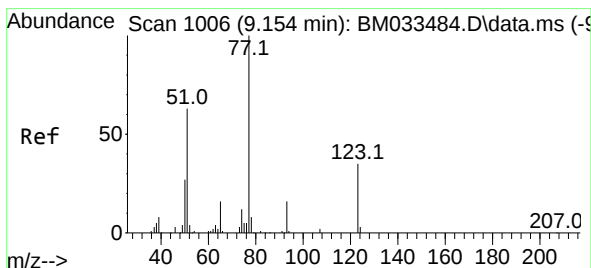
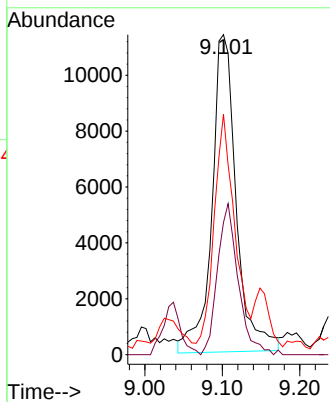
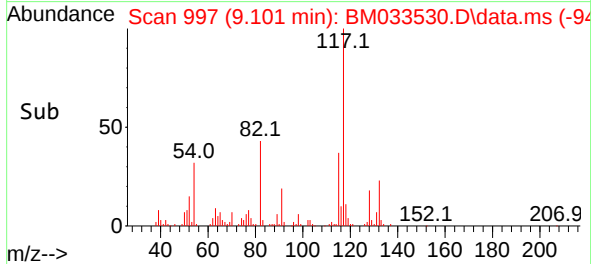


#23
Nitrobenzene-d5
Concen: 6.346 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

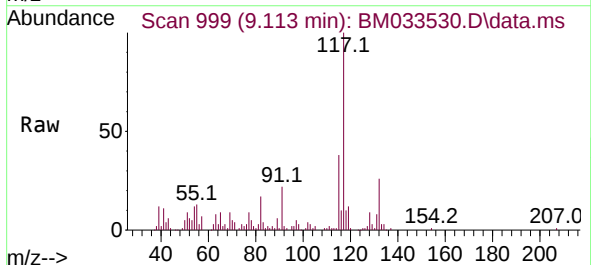
Instrument :
BNA_M
ClientSampleId :



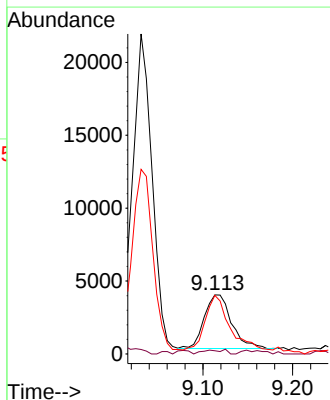
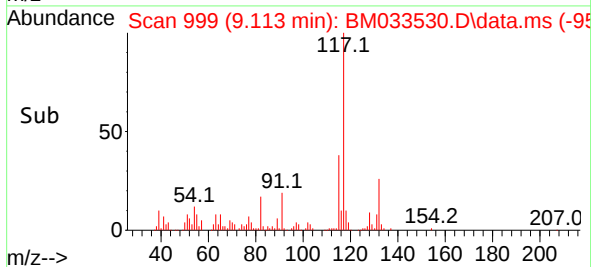
Tgt Ion: 82 Resp: 24898
Ion Ratio Lower Upper
82 100
128 41.3 28.1 42.1
54 75.2 46.1 69.1#

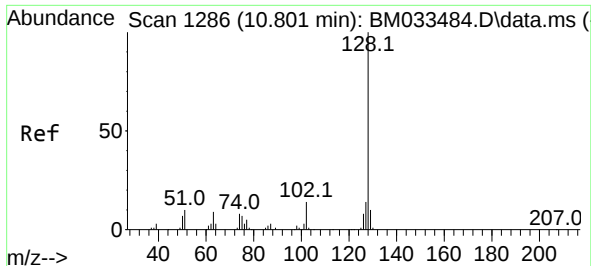


#24
Nitrobenzene
Concen: 2.001 ng
RT: 9.113 min Scan# 999
Delta R.T. -0.041 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51



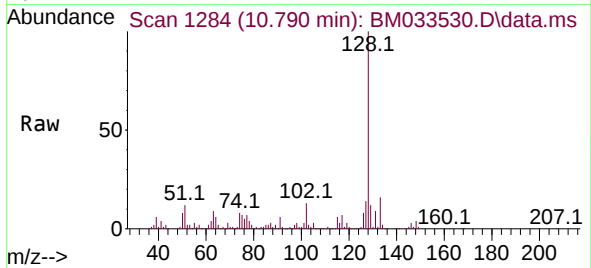
Tgt Ion: 77 Resp: 7710
Ion Ratio Lower Upper
77 100
123 5.4 29.8 44.8#
65 99.2 11.5 17.3#



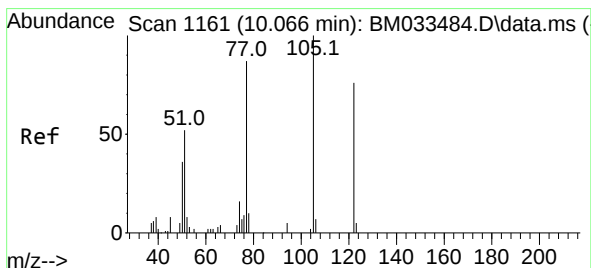
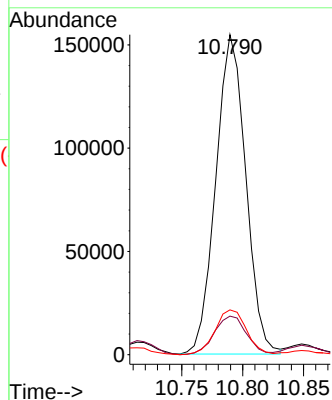
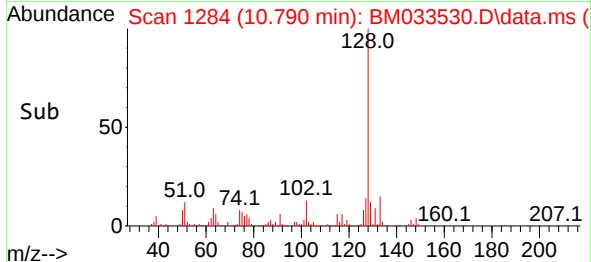


#31
Naphthalene
Concen: 29.060 ng
RT: 10.790 min Scan# 11
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

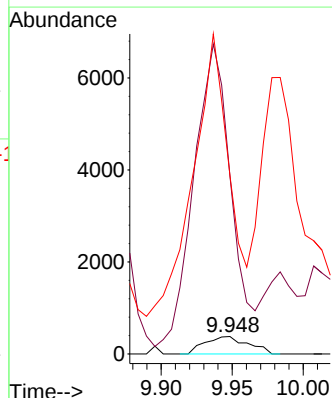
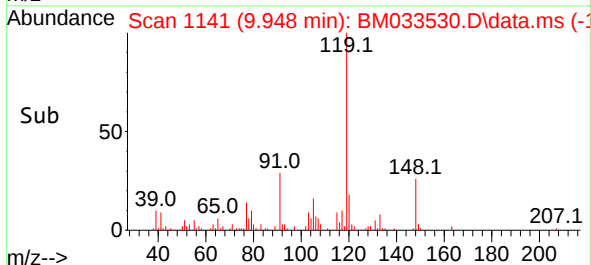
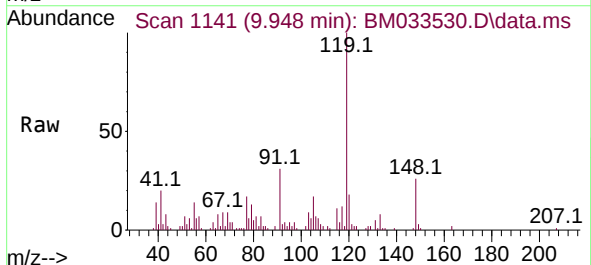


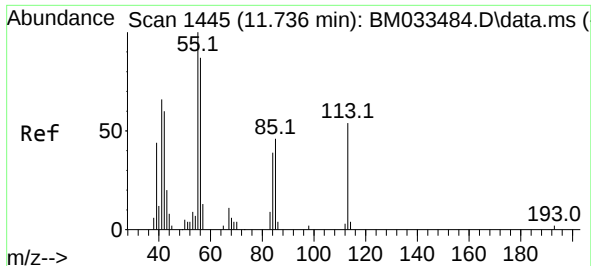
Tgt Ion:128 Resp: 265206
Ion Ratio Lower Upper
128 100
129 12.1 8.5 12.7
127 14.0 10.8 16.2



#32
Benzoic acid
Concen: 3.451 ng
RT: 9.948 min Scan# 1141
Delta R.T. -0.118 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Tgt Ion:122 Resp: 803
Ion Ratio Lower Upper
122 100
105 1019.5 119.6 159.6#
77 1023.2 101.0 141.0#

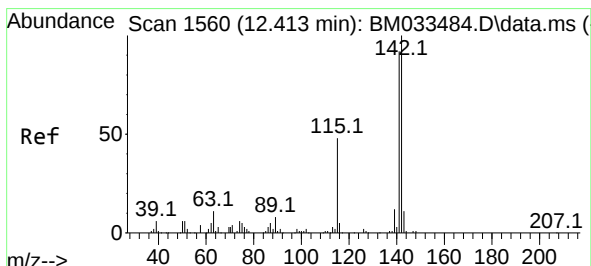
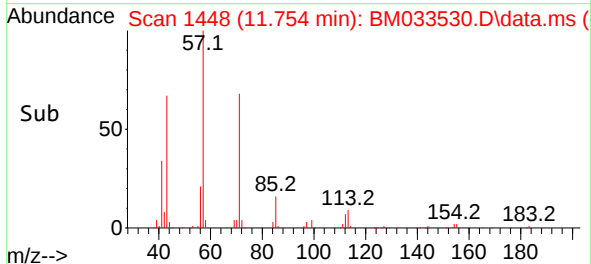
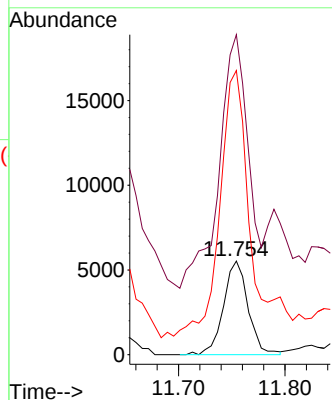
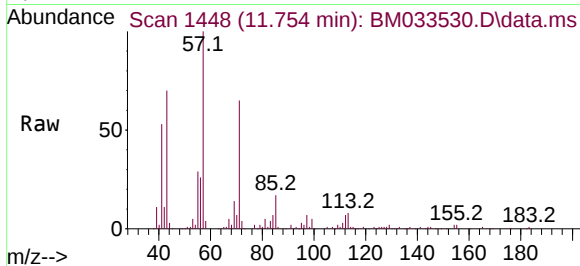




#35
Caprolactam
Concen: 17.752 ng
RT: 11.754 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

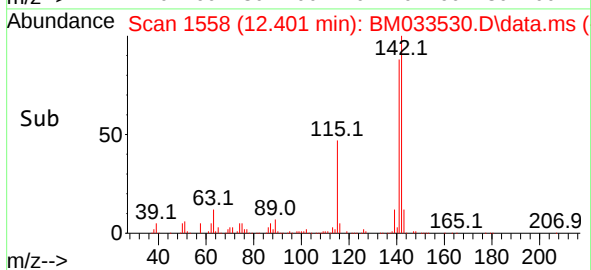
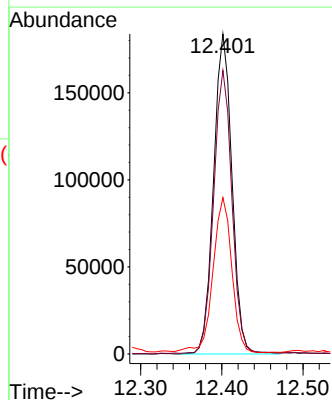
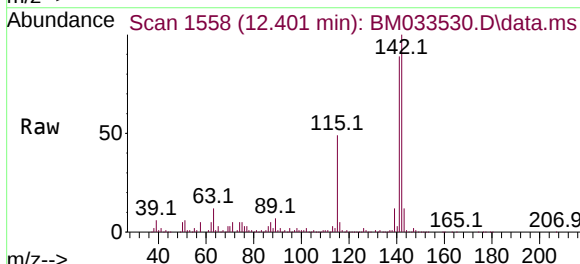
Instrument :
BNA_M
ClientSampleId :

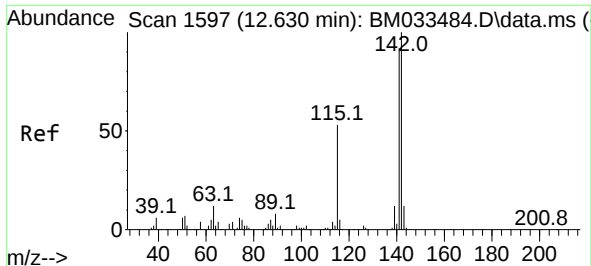
Tgt Ion:113 Resp: 8849
Ion Ratio Lower Upper
113 100
55 342.0 183.6 223.6#
56 303.8 143.7 183.7#



#37
2-Methylnaphthalene
Concen: 45.915 ng
RT: 12.401 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Tgt Ion:142 Resp: 289857
Ion Ratio Lower Upper
142 100
141 88.6 72.2 108.2
115 48.8 33.0 49.6

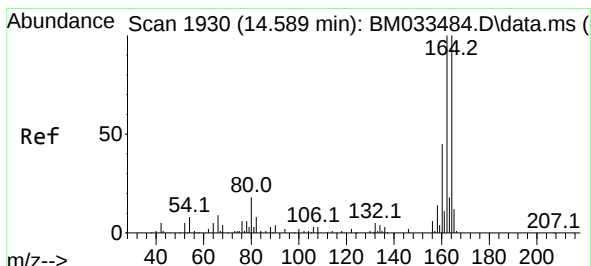
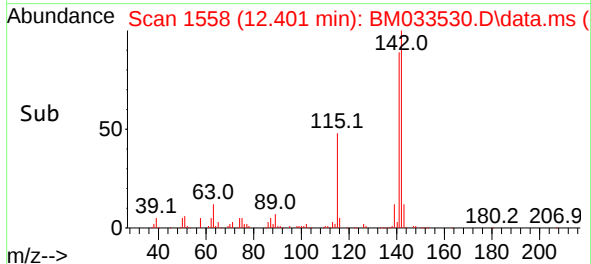
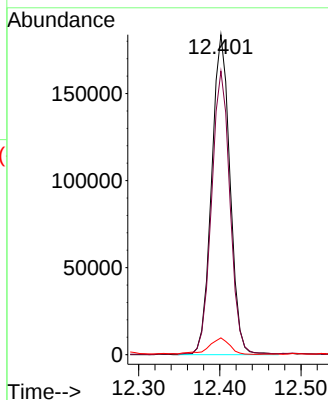
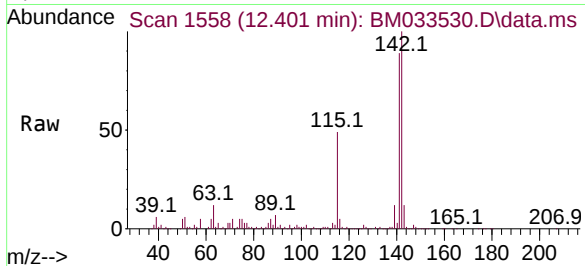




#38
1-Methylnaphthalene
Concen: 46.032 ng
RT: 12.401 min Scan# 1
Delta R.T. -0.229 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

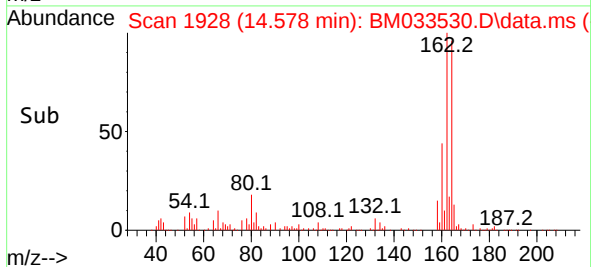
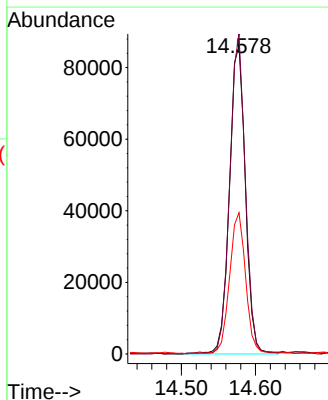
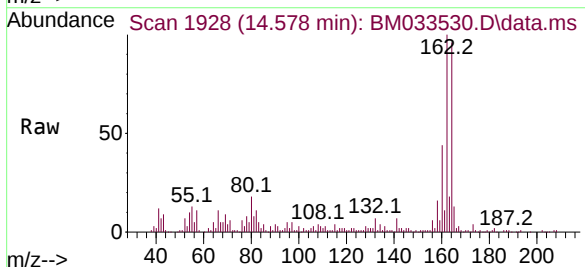
Instrument :
BNA_M
ClientSampleId :

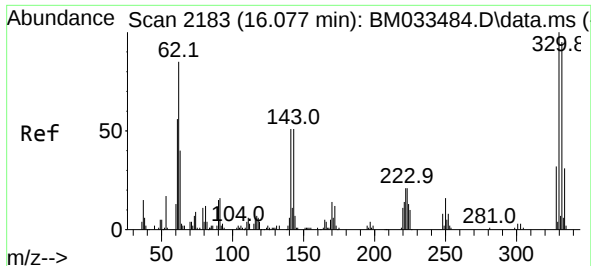
Tgt Ion:142 Resp: 289857
Ion Ratio Lower Upper
142 100
141 88.6 75.0 112.4
116 5.3 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1928
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Tgt Ion:164 Resp: 129048
Ion Ratio Lower Upper
164 100
162 103.8 79.7 119.5
160 45.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 6.665 ng

RT: 16.066 min Scan# 2183

Delta R.T. -0.011 min

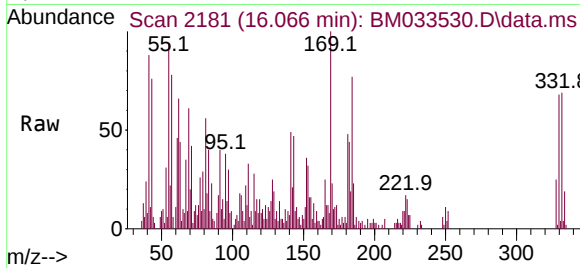
Lab File: BM033530.D

Acq: 18 Dec 2021 21:51

Instrument :

BNA_M

ClientSampleId :



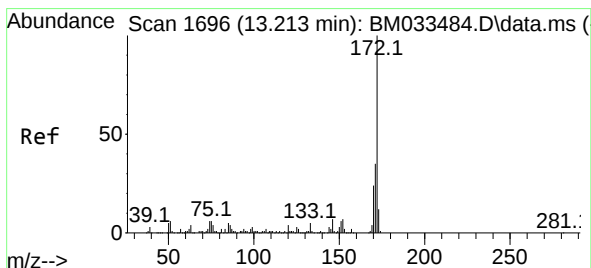
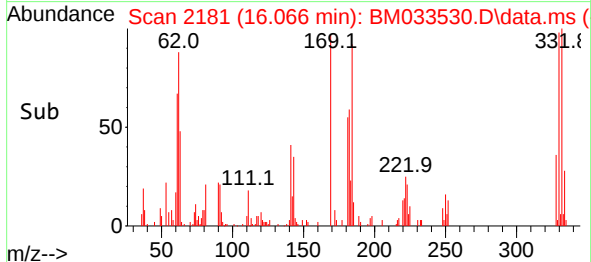
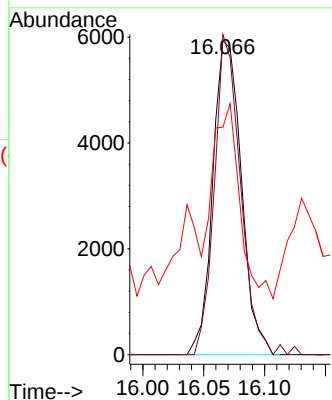
Tgt Ion:330 Resp: 9675

Ion Ratio Lower Upper

330 100

332 93.7 76.5 114.7

141 58.1 35.9 53.9#



#45

2-Fluorobiphenyl

Concen: 6.000 ng

RT: 13.201 min Scan# 1694

Delta R.T. -0.012 min

Lab File: BM033530.D

Acq: 18 Dec 2021 21:51

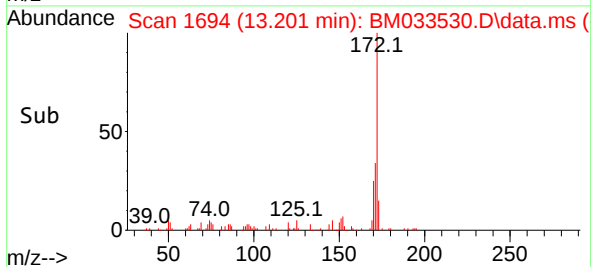
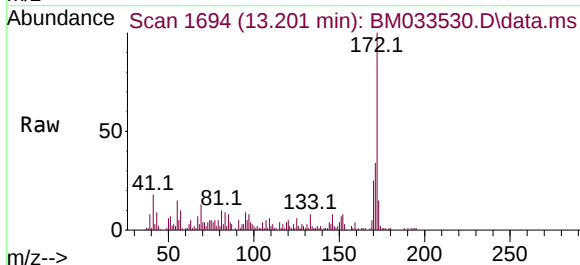
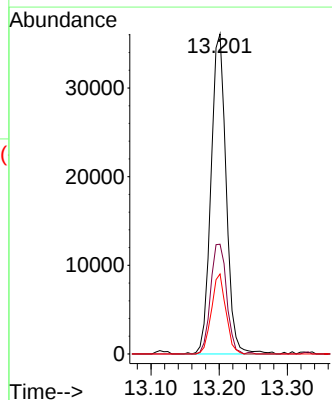
Tgt Ion:172 Resp: 55978

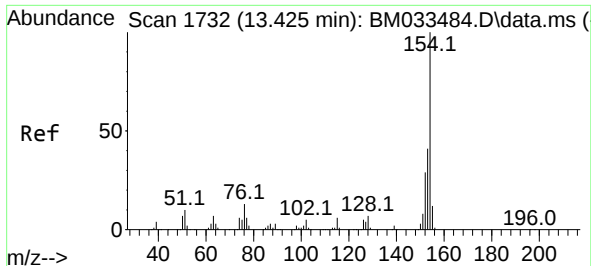
Ion Ratio Lower Upper

172 100

171 34.3 27.2 40.8

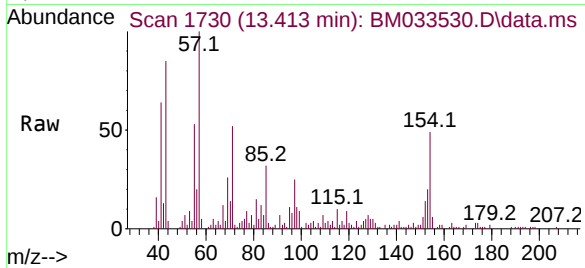
170 25.0 18.7 28.1



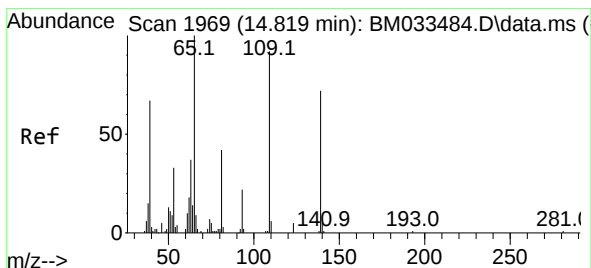
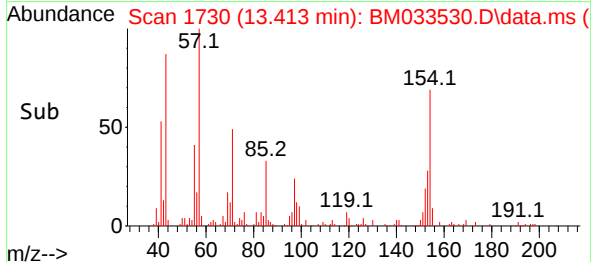
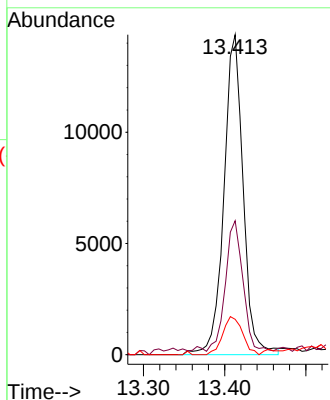


#46
1,1'-Biphenyl
Concen: 2.484 ng
RT: 13.413 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

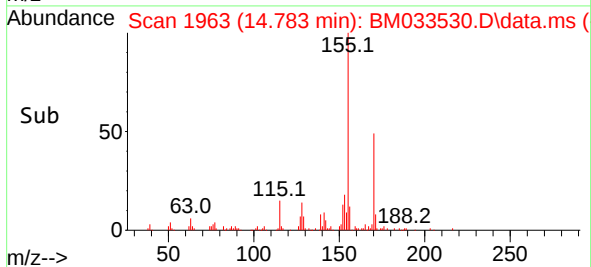
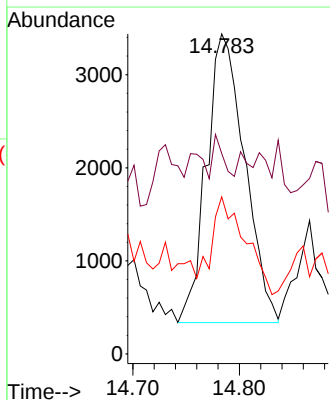
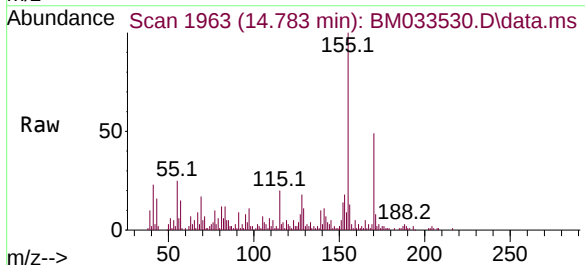


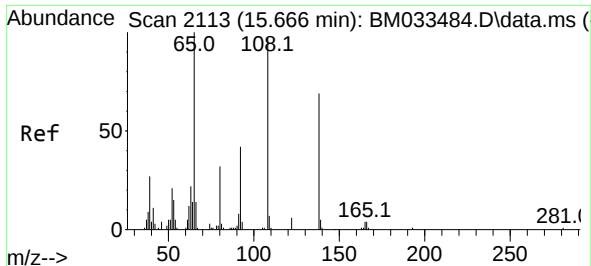
Tgt Ion:154 Resp: 23734
Ion Ratio Lower Upper
154 100
153 41.9 20.7 60.7
76 11.0 0.0 34.4



#56
4-Nitrophenol
Concen: 9.312 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.036 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

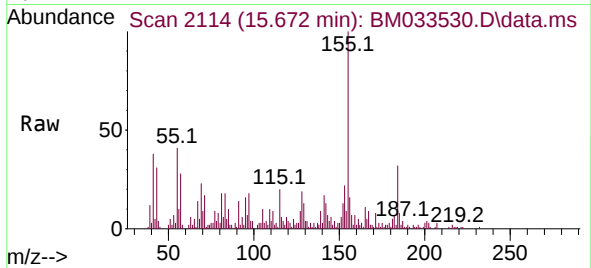
Tgt Ion:139 Resp: 7729
Ion Ratio Lower Upper
139 100
109 62.7 75.3 115.3#
65 49.1 107.4 147.4#



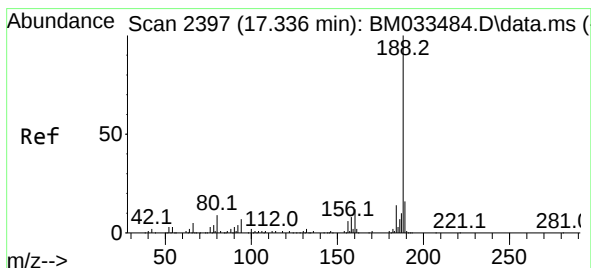
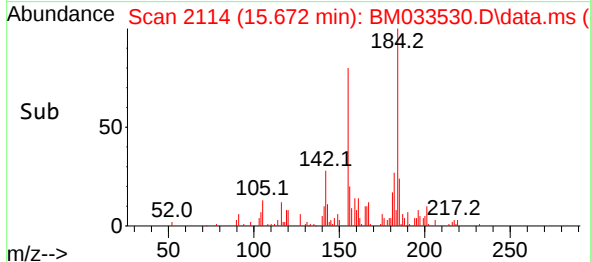
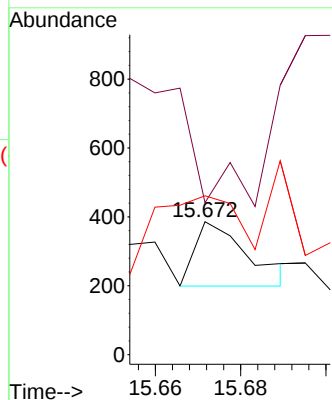


#62
4-Nitroaniline
Concen: 2.653 ng
RT: 15.672 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

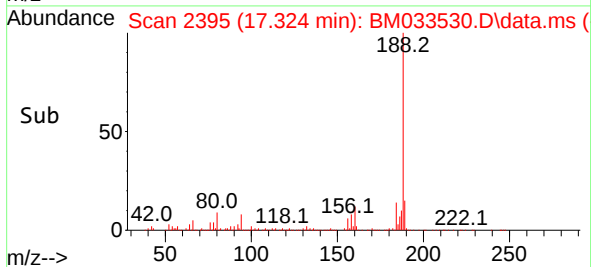
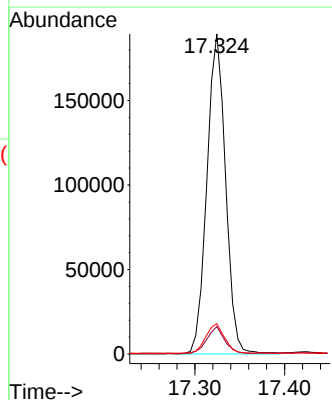
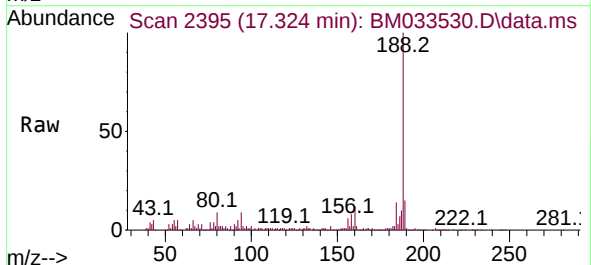


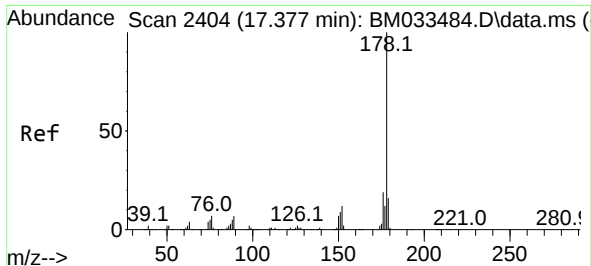
Tgt Ion:138 Resp: 162
Ion Ratio Lower Upper
138 100
92 114.2 38.7 78.7#
108 119.4 81.9 121.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.012 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

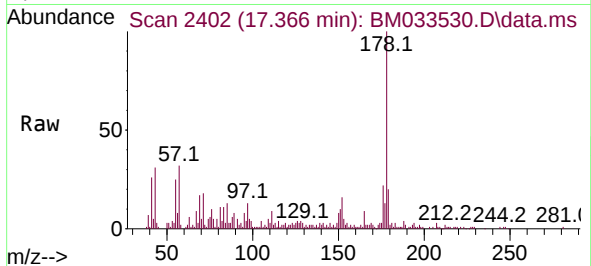
Tgt Ion:188 Resp: 273766
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.5 8.9 13.3



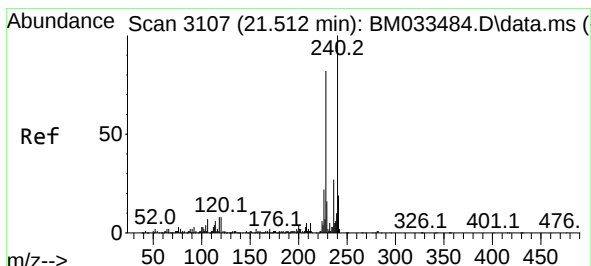
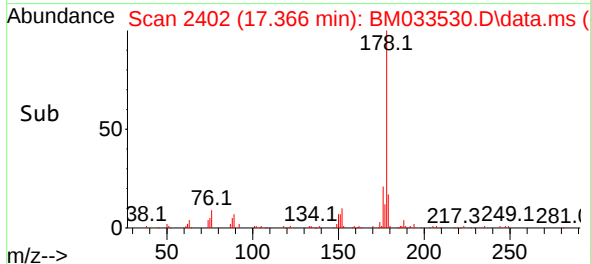
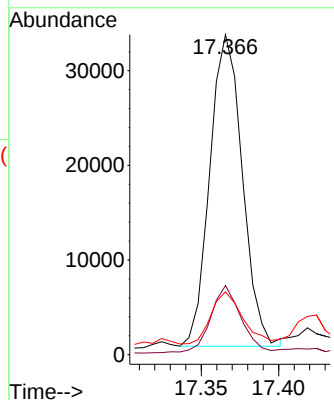


#71
Phenanthrene
Concen: 3.153 ng
RT: 17.366 min Scan# 2402
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

Instrument :
BNA_M
ClientSampleId :

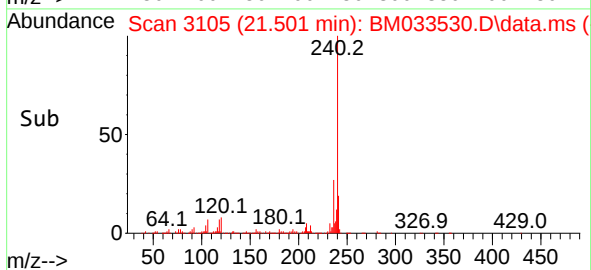
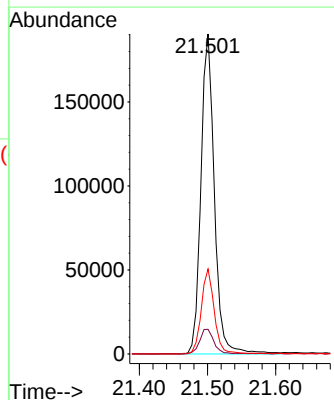
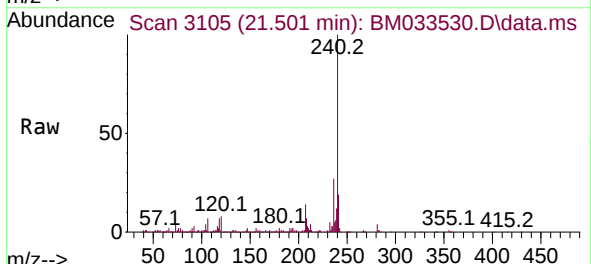


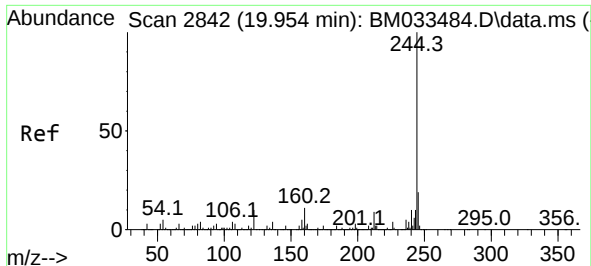
Tgt Ion:178 Resp: 48047
Ion Ratio Lower Upper
178 100
176 21.6 15.1 22.7
179 19.7 12.0 18.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3105
Delta R.T. -0.011 min
Lab File: BM033530.D
Acq: 18 Dec 2021 21:51

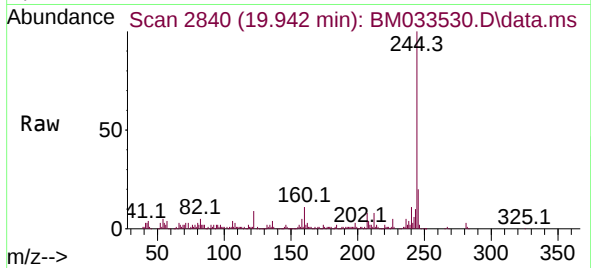
Tgt Ion:240 Resp: 261444
Ion Ratio Lower Upper
240 100
120 7.7 7.8 11.6#
236 26.5 20.3 30.5



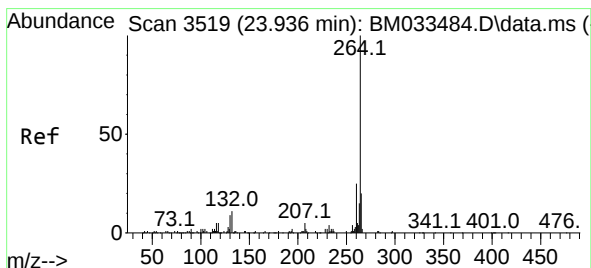
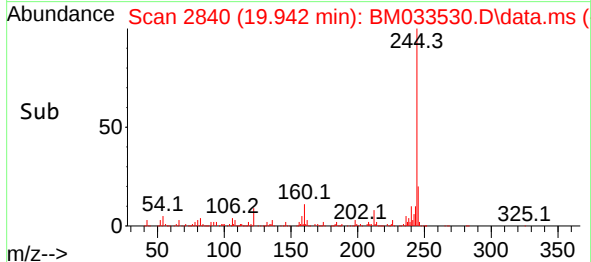
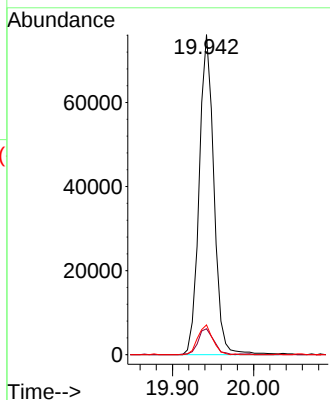


#79
 Terphenyl-d14
 Concen: 5.778 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM033530.D
 Acq: 18 Dec 2021 21:51

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 95953
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.9 8.9
 122 9.3 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.912 min Scan# 3515
 Delta R.T. -0.024 min
 Lab File: BM033530.D
 Acq: 18 Dec 2021 21:51

Tgt Ion:264 Resp: 215999
 Ion Ratio Lower Upper
 264 100
 260 24.0 17.7 26.5
 265 21.1 17.7 26.5

