

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033528.D
 Acq On : 18 Dec 2021 20:39
 Operator : CG/JU
 Sample : M5039-08DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 07:09:14 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)

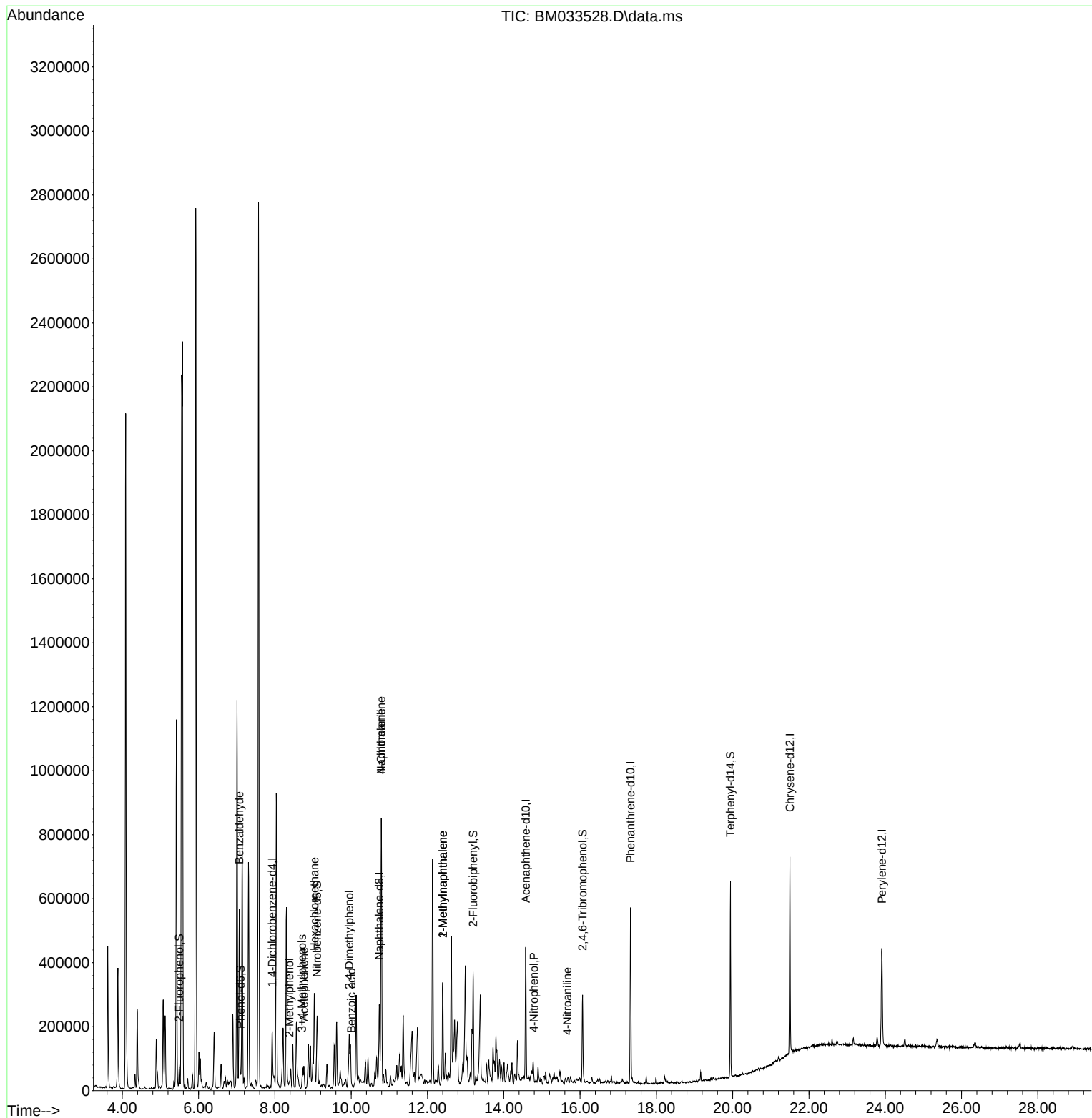
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	38814	20.000	ng	-0.01
21) Naphthalene-d8	10.737	136	181193	20.000	ng	-0.02
39) Acenaphthene-d10	14.578	164	140175	20.000	ng	-0.01
64) Phenanthrene-d10	17.325	188	311137	20.000	ng	#-0.01
76) Chrysene-d12	21.501	240	282597	20.000	ng	-0.01
86) Perylene-d12	23.912	264	237721	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	23545	10.467	ng	0.00
7) Phenol-d6	7.102	99	21281	7.050	ng	-0.01
23) Nitrobenzene-d5	9.102	82	68479	16.228	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	36578	23.197	ng	-0.01
45) 2-Fluorobiphenyl	13.195	172	154195	15.217	ng	-0.02
79) Terphenyl-d14	19.942	244	242674	13.519	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.390	88	118	Below Cal	#	17
9) Benzaldehyde	7.066	77	45610	22.960	ng	# 1
17) 2-Methylphenol	8.384	107	5012	2.313	ng	# 87
18) Hexachloroethane	9.037	117	27413	21.640	ng	# 1
20) 3+4-Methylphenols	8.713	107	8762	3.031	ng	# 75
22) Acetophenone	8.760	105	25734	5.246	ng	# 94
27) 2,4-Dimethylphenol	9.949	122	38309	16.101	ng	# 91
31) Naphthalene	10.790	128	571107	58.184	ng	99
32) Benzoic acid	10.001	122	2047	4.121	ng	# 60
33) 4-Chloroaniline	10.790	127	78713	24.788	ng	# 36
37) 2-Methylnaphthalene	12.401	142	115280	16.978	ng	97
38) 1-Methylnaphthalene	12.401	142	115280	17.021	ng	97
56) 4-Nitrophenol	14.789	139	602	4.381	ng	# 49
62) 4-Nitroaniline	15.666	138	54	2.594	ng	# 7

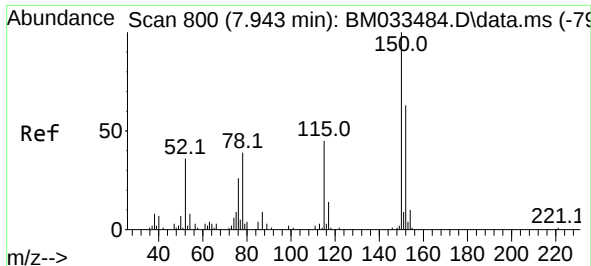
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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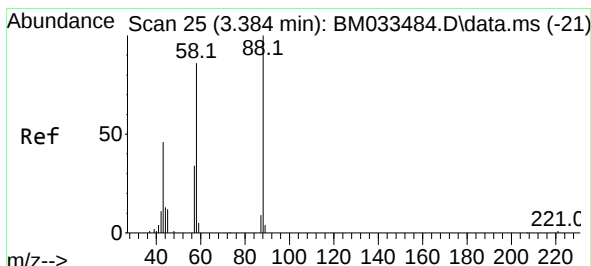
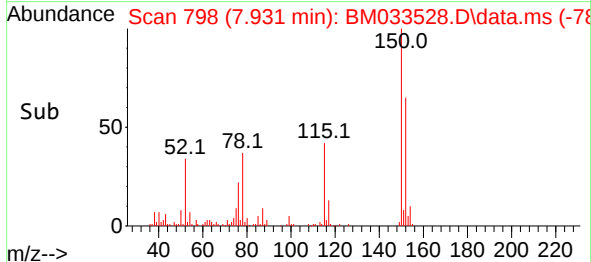
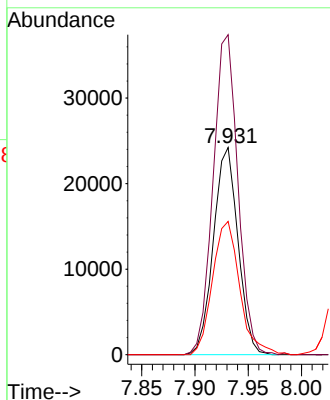
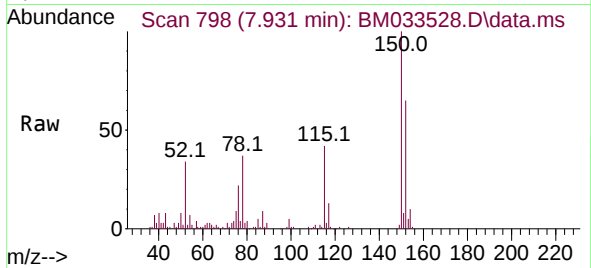




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

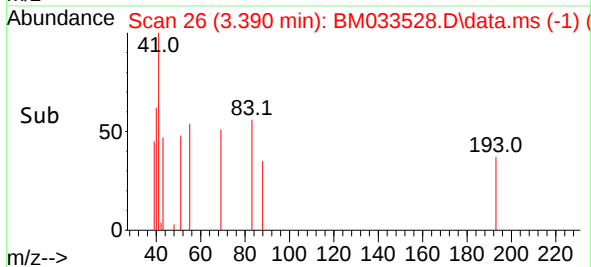
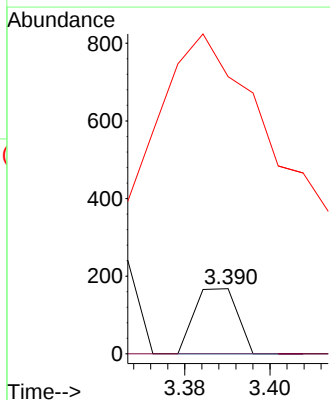
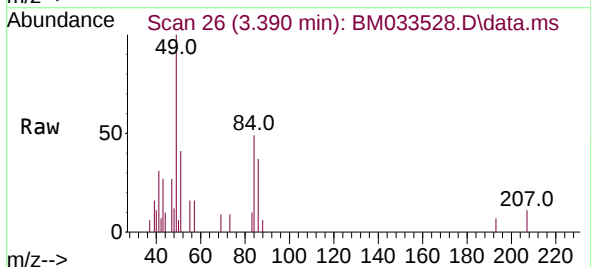
Instrument :
BNA_M
ClientSampleId :

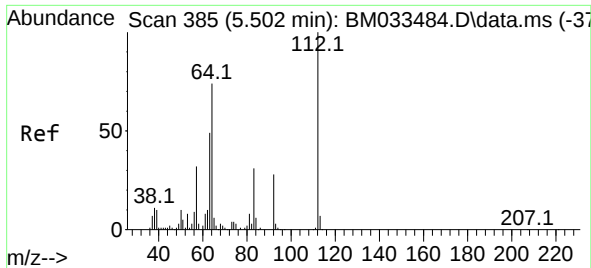
Tgt Ion:152 Resp: 38814
Ion Ratio Lower Upper
152 100
150 154.4 128.9 193.3
115 64.3 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.390 min Scan# 26
Delta R.T. 0.006 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
58 0.0 67.0 100.4#
43 0.0 31.6 47.4#

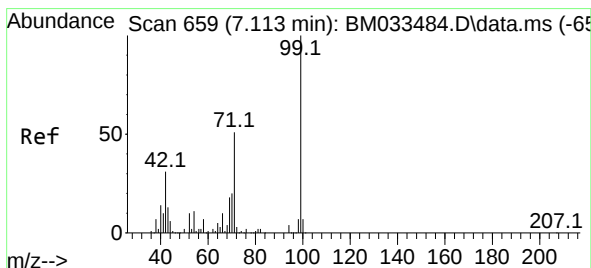
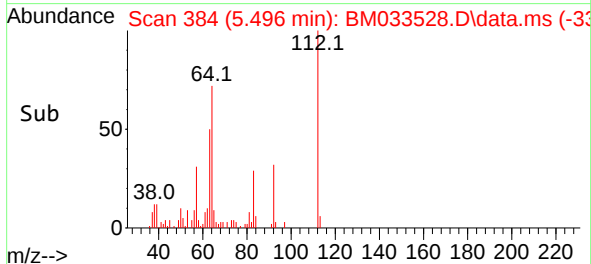
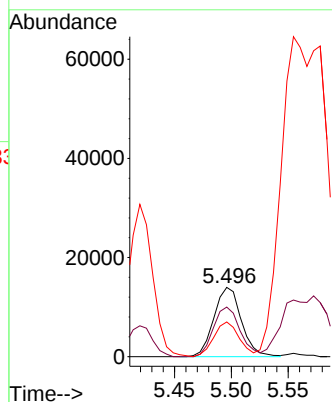
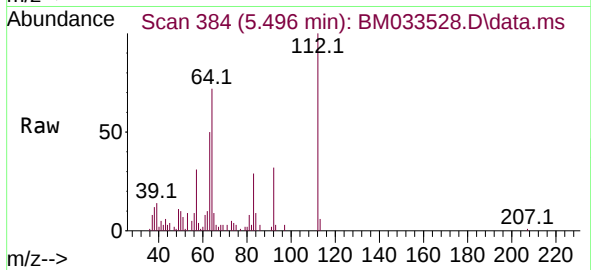




#5
2-Fluorophenol
Concen: 10.467 ng
RT: 5.496 min Scan# 385
Delta R.T. -0.006 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

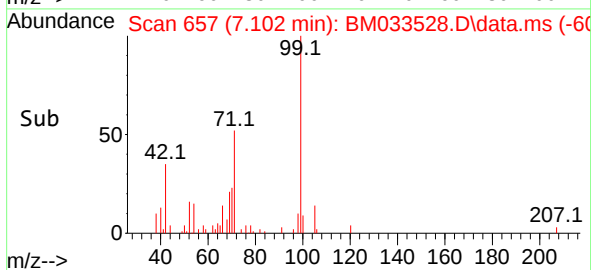
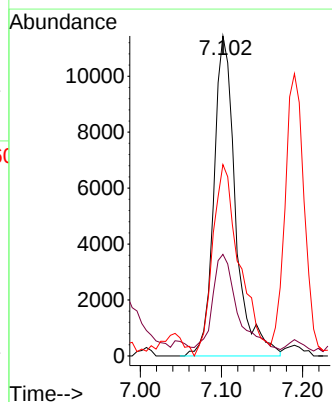
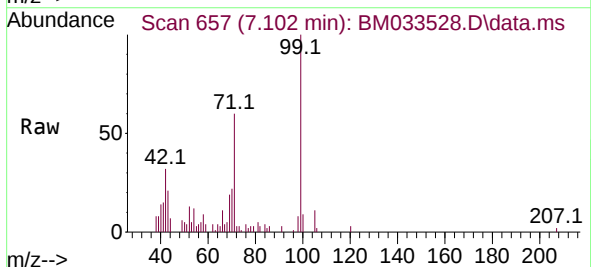
Instrument :
BNA_M
ClientSampleId :

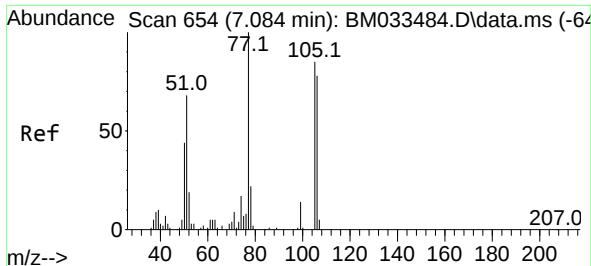
Tgt Ion:112 Resp: 23545
Ion Ratio Lower Upper
112 100
64 71.7 55.5 83.3
63 50.2 31.3 46.9#



#7
Phenol-d6
Concen: 7.050 ng
RT: 7.102 min Scan# 657
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion: 99 Resp: 21281
Ion Ratio Lower Upper
99 100
42 31.7 20.3 30.5#
71 59.8 34.5 51.7#

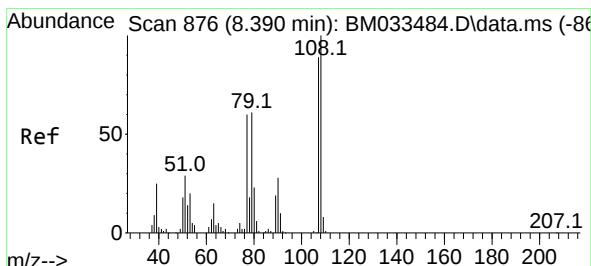
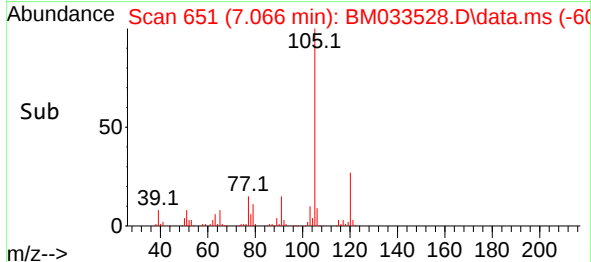
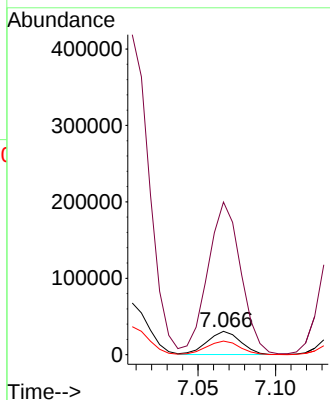
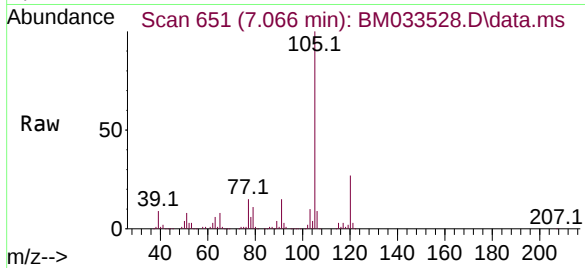




#9
Benzaldehyde
Concen: 22.960 ng
RT: 7.066 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

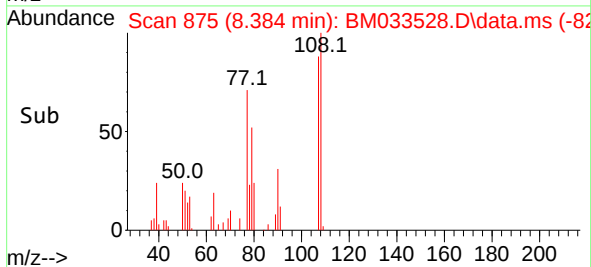
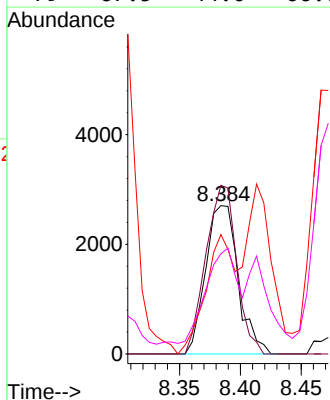
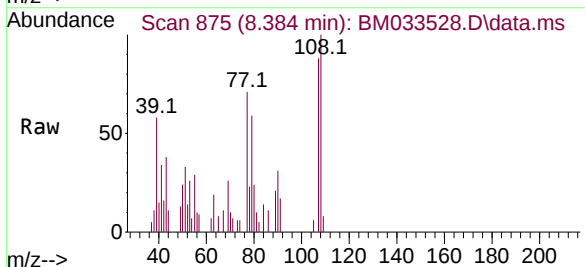
Instrument :
BNA_M
ClientSampleId :

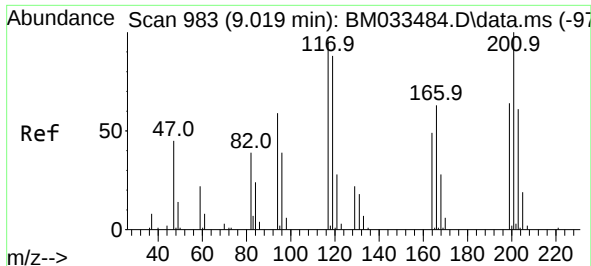
Tgt Ion: 77 Resp: 45610
Ion Ratio Lower Upper
77 100
105 655.5 67.1 107.1#
106 58.6 64.3 104.3#



#17
2-Methylphenol
Concen: 2.313 ng
RT: 8.384 min Scan# 875
Delta R.T. -0.006 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion: 107 Resp: 5012
Ion Ratio Lower Upper
107 100
108 113.7 89.2 133.8
77 80.5 46.0 69.0#
79 67.5 44.0 66.0#

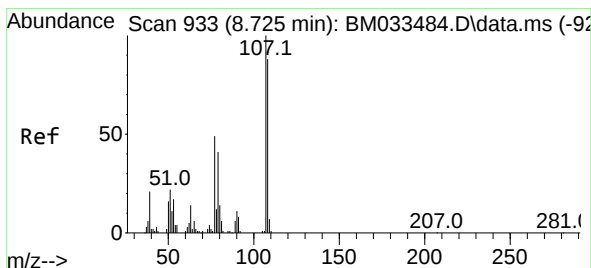
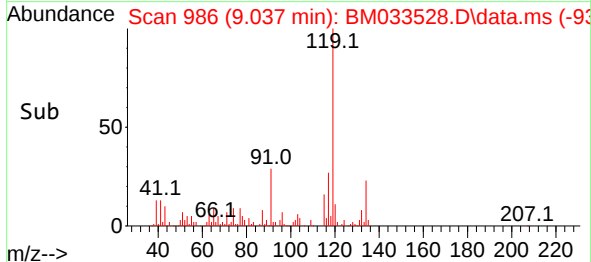
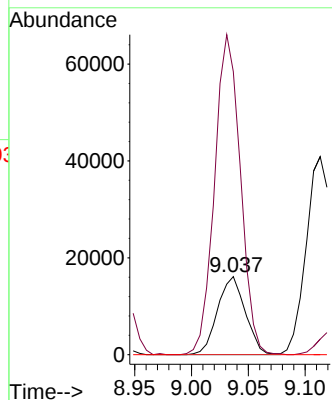
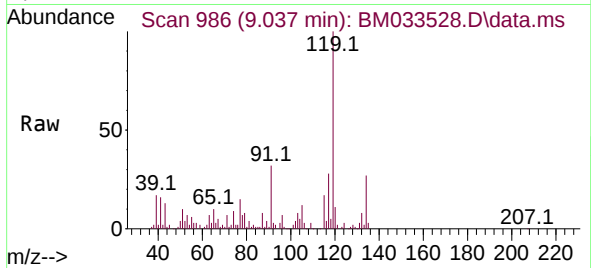




#18
Hexachloroethane
Concen: 21.640 ng
RT: 9.037 min Scan# 91
Delta R.T. 0.018 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

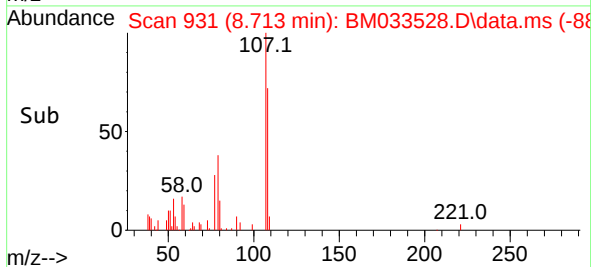
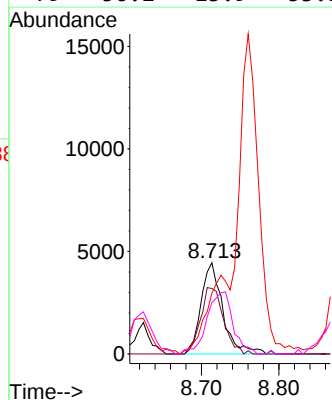
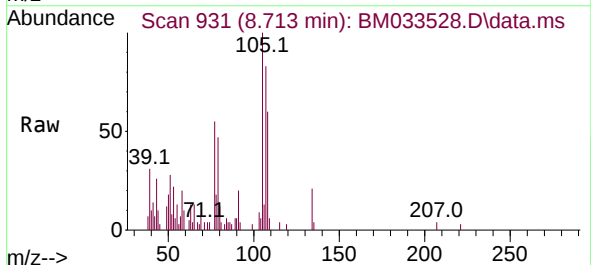
Instrument :
BNA_M
ClientSampleId :

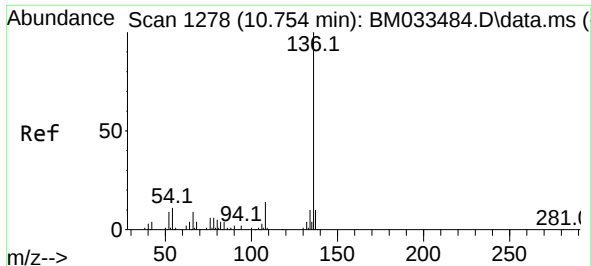
Tgt Ion:117 Resp: 27413
Ion Ratio Lower Upper
117 100
119 362.3 75.0 112.6#
201 0.0 75.2 112.8#



#20
3+4-Methylphenols
Concen: 3.031 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

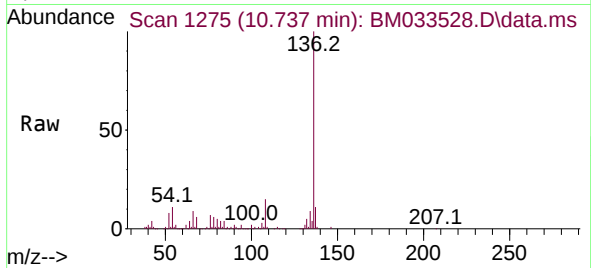
Tgt Ion:107 Resp: 8762
Ion Ratio Lower Upper
107 100
108 71.8 64.2 104.2
77 66.5 22.7 62.7#
79 56.2 13.9 53.9#



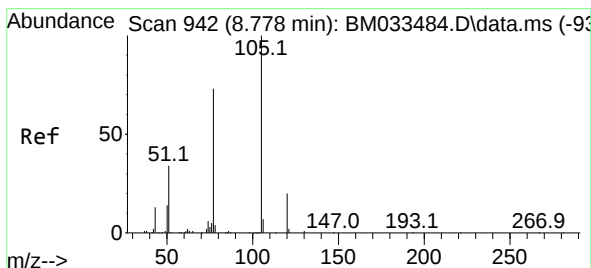
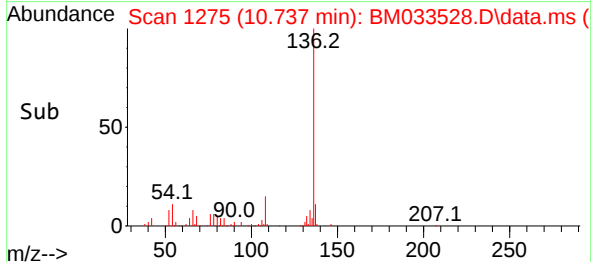
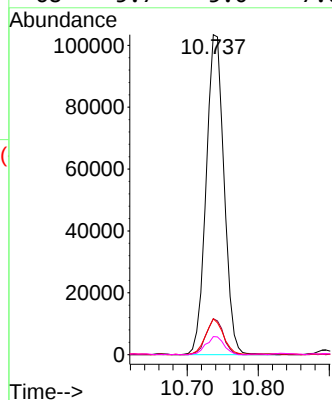


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 11
Delta R.T. -0.017 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Instrument :
BNA_M
ClientSampleId :

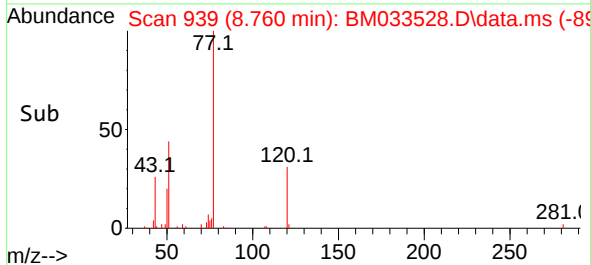
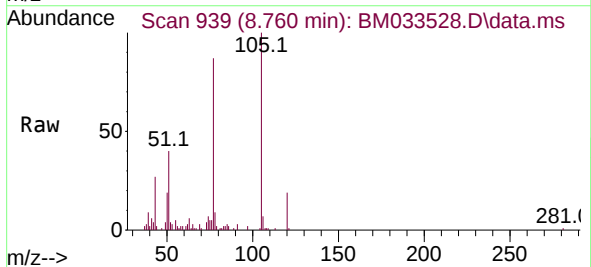
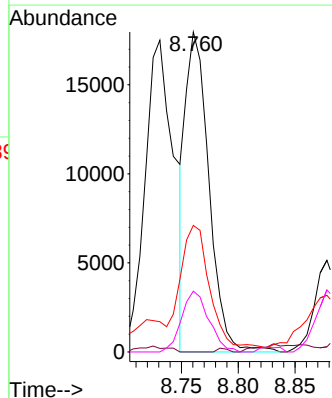


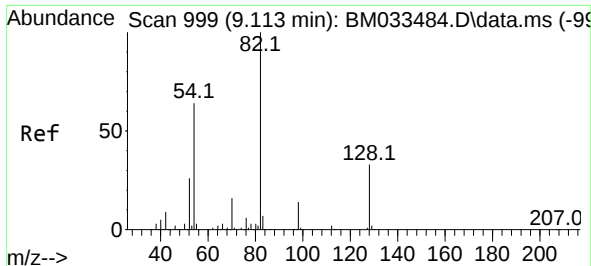
Tgt Ion:136 Resp: 181193
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 11.2 8.3 12.5
68 5.7 5.0 7.6



#22
Acetophenone
Concen: 5.246 ng
RT: 8.760 min Scan# 939
Delta R.T. -0.018 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion:105 Resp: 25734
Ion Ratio Lower Upper
105 100
71 0.0 1.6 2.4#
51 39.6 27.7 41.5
120 19.0 16.2 24.2





#23

Nitrobenzene-d5

Concen: 16.228 ng

RT: 9.102 min Scan# 91

Delta R.T. -0.011 min

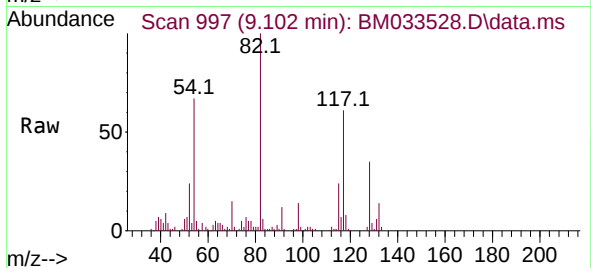
Lab File: BM033528.D

Acq: 18 Dec 2021 20:39

Instrument :

BNA_M

ClientSampleId :



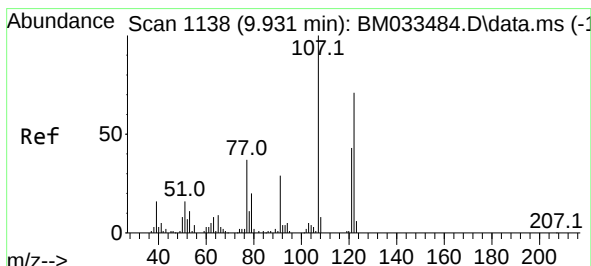
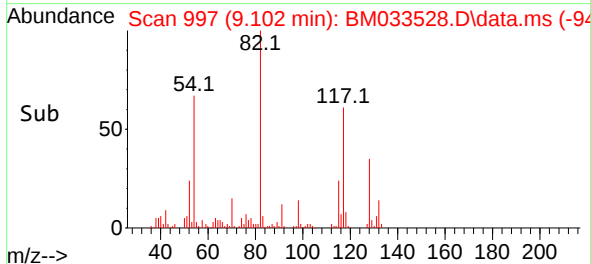
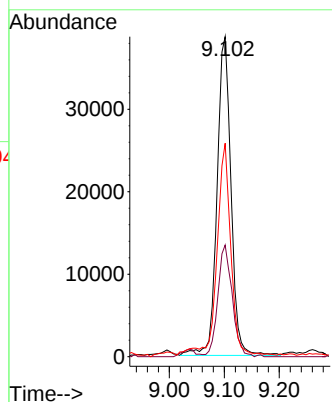
Tgt Ion: 82 Resp: 68479

Ion Ratio Lower Upper

82 100

128 34.9 28.1 42.1

54 66.7 46.1 69.1



#27

2,4-Dimethylphenol

Concen: 16.101 ng

RT: 9.949 min Scan# 1141

Delta R.T. 0.018 min

Lab File: BM033528.D

Acq: 18 Dec 2021 20:39

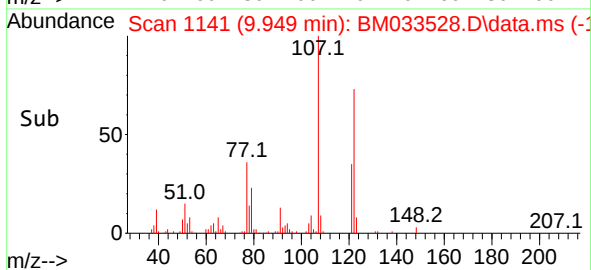
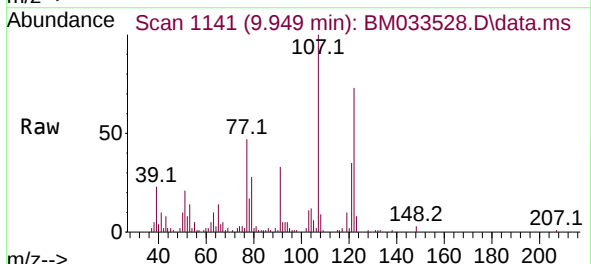
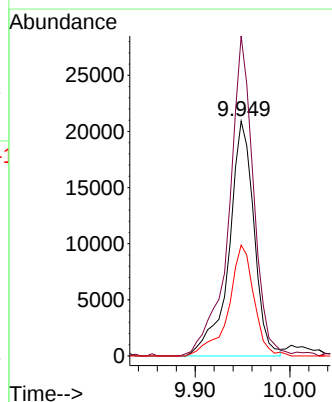
Tgt Ion: 122 Resp: 38309

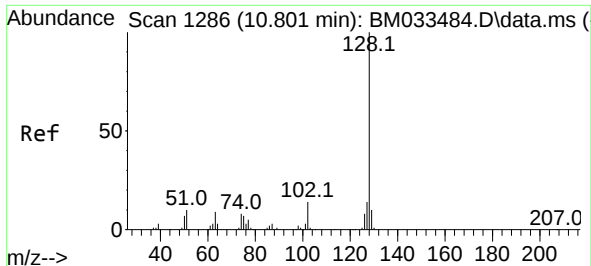
Ion Ratio Lower Upper

122 100

107 136.3 105.3 157.9

121 47.2 49.7 74.5#

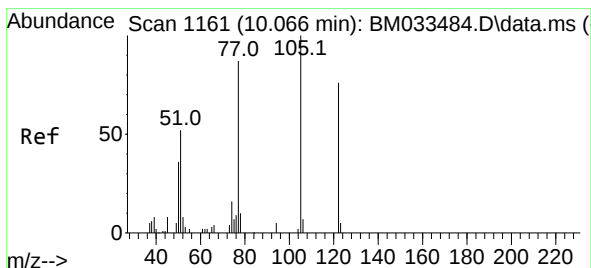
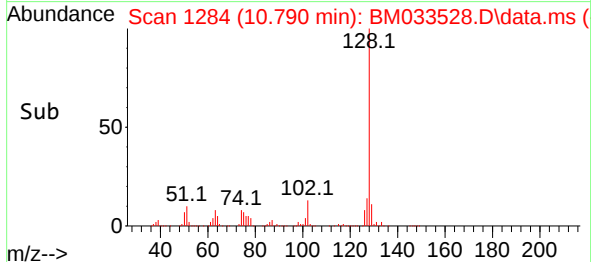
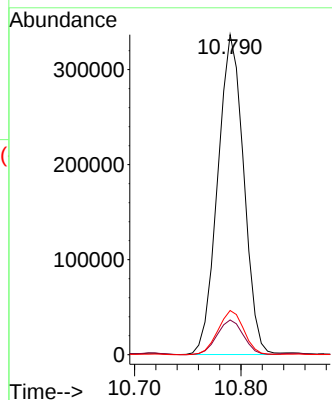
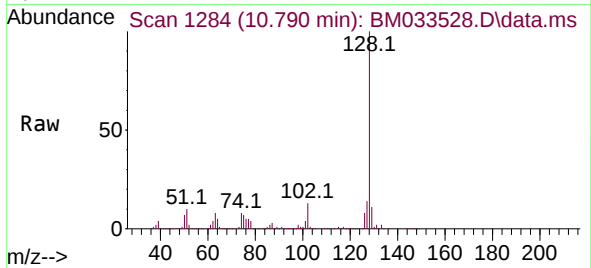




#31
Naphthalene
Concen: 58.184 ng
RT: 10.790 min Scan# 1150
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

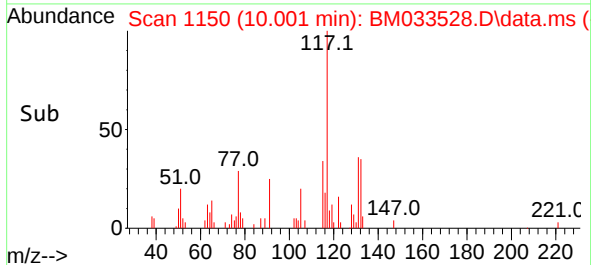
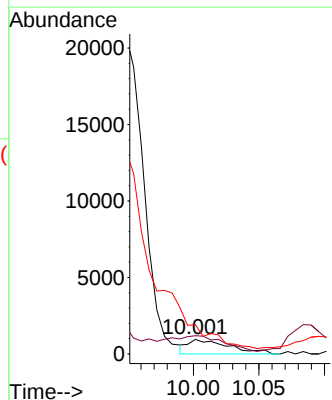
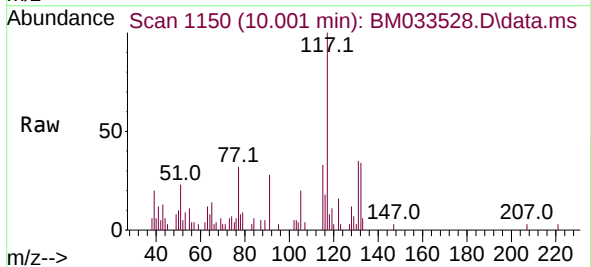
Instrument :
BNA_M
ClientSampleId :

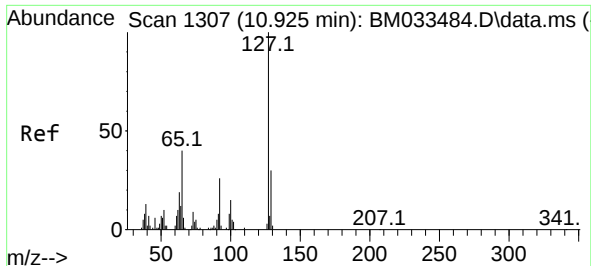
Tgt Ion:128 Resp: 571107
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.8 10.8 16.2



#32
Benzoic acid
Concen: 4.121 ng
RT: 10.001 min Scan# 1150
Delta R.T. -0.065 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

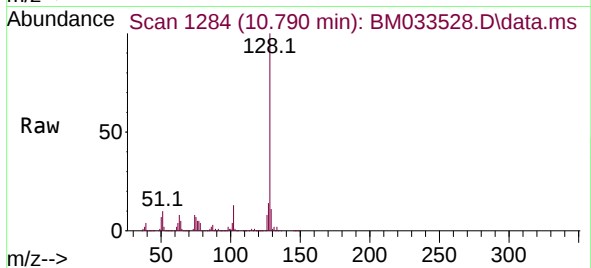
Tgt Ion:122 Resp: 2047
Ion Ratio Lower Upper
122 100
105 125.6 119.6 159.6
77 201.6 101.0 141.0#



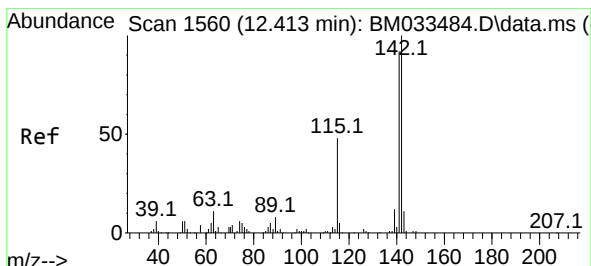
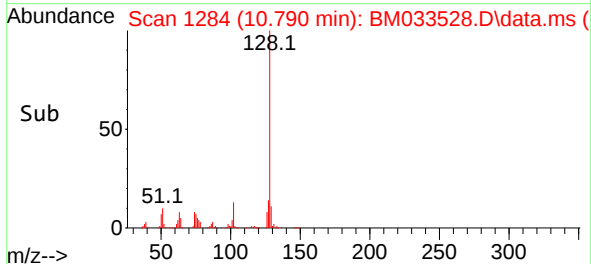
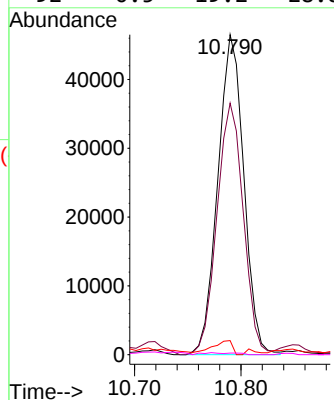


#33
4-Chloroaniline
Concen: 24.788 ng
RT: 10.790 min Scan# 11
Delta R.T. -0.135 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Instrument :
BNA_M
ClientSampleId :

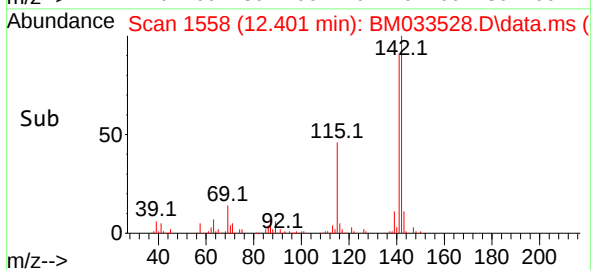
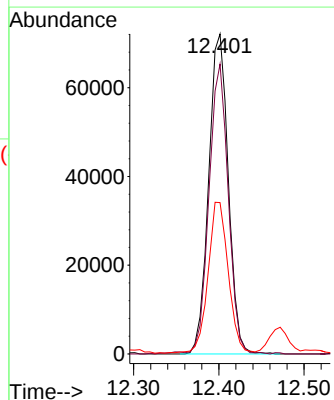
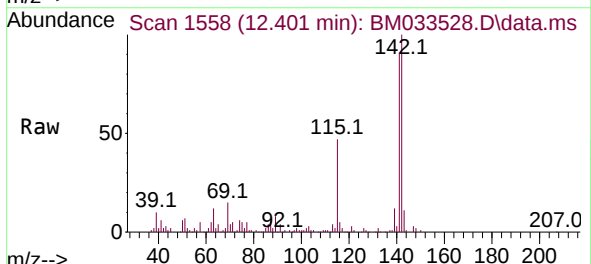


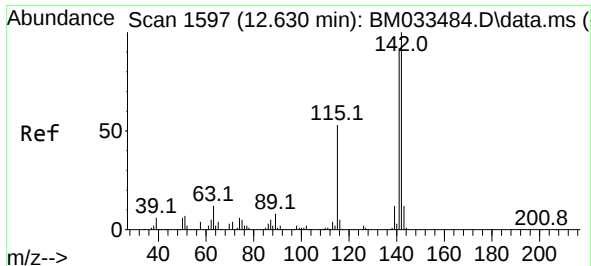
Tgt Ion:127	Resp: 78713
Ion Ratio	Lower Upper
127 100	
129 78.6	26.2 39.4#
65 4.4	33.0 49.6#
92 0.5	19.2 28.8#



#37
2-Methylnaphthalene
Concen: 16.978 ng
RT: 12.401 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion:142	Resp: 115280
Ion Ratio	Lower Upper
142 100	
141 90.6	72.2 108.2
115 47.3	33.0 49.6

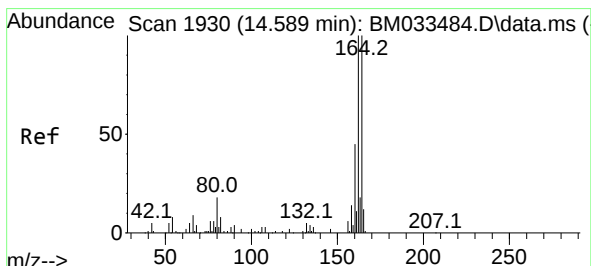
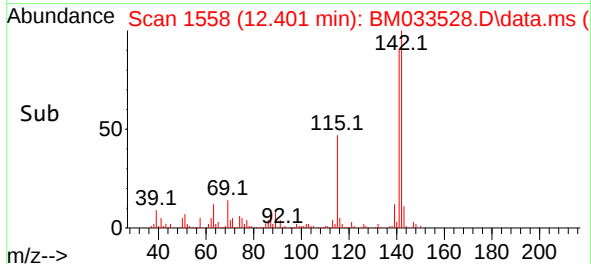
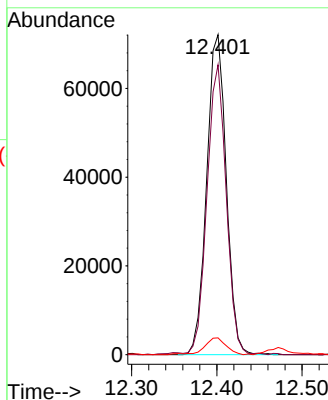
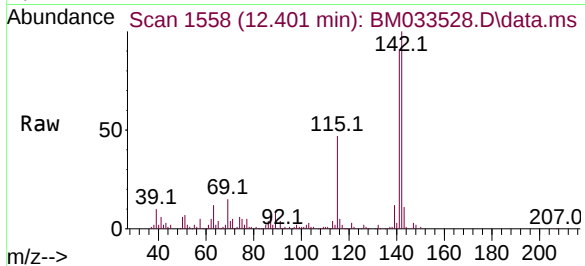




#38
1-Methylnaphthalene
Concen: 17.021 ng
RT: 12.401 min Scan# 11
Delta R.T. -0.229 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

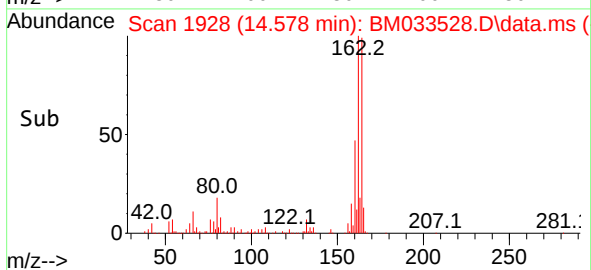
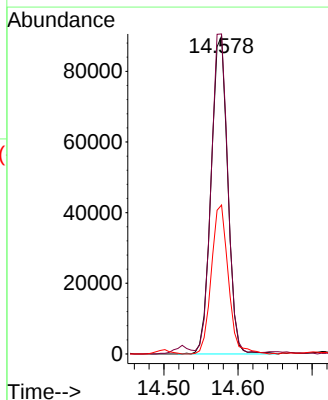
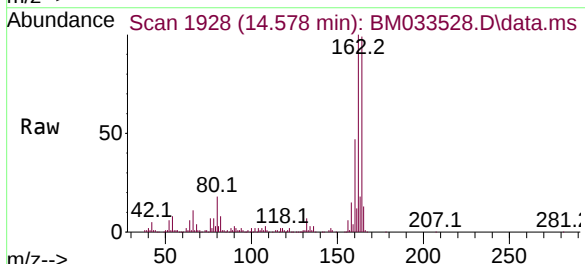
Instrument :
BNA_M
ClientSampleId :

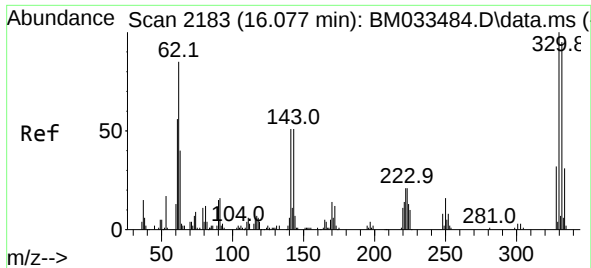
Tgt Ion:142 Resp: 115280
Ion Ratio Lower Upper
142 100
141 90.6 75.0 112.4
116 5.3 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.578 min Scan# 1928
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

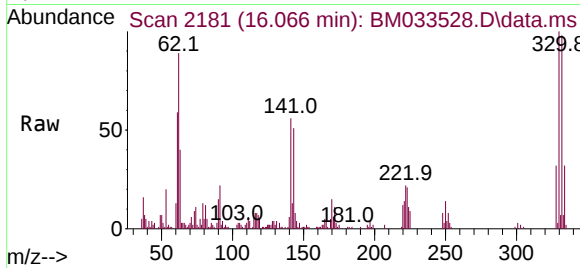
Tgt Ion:164 Resp: 140175
Ion Ratio Lower Upper
164 100
162 100.7 79.7 119.5
160 46.9 34.2 51.4



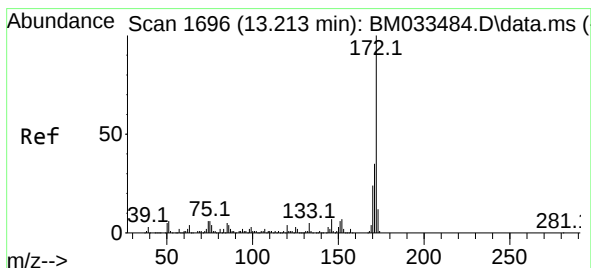
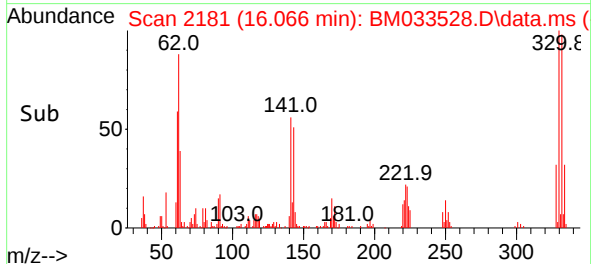
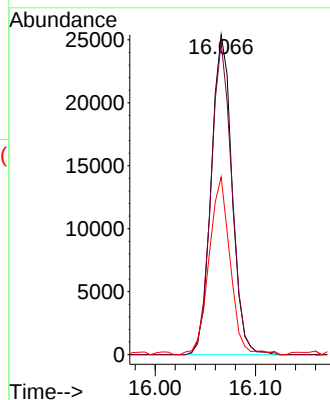


#42
2,4,6-Tribromophenol
Concen: 23.197 ng
RT: 16.066 min Scan# 2183
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Instrument :
BNA_M
ClientSampleId :

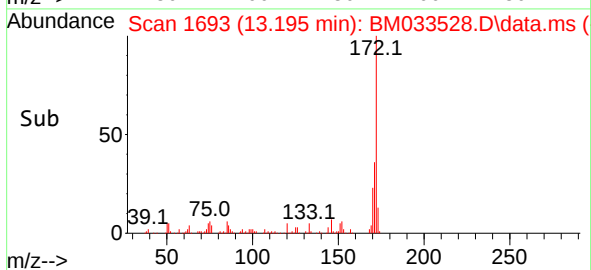
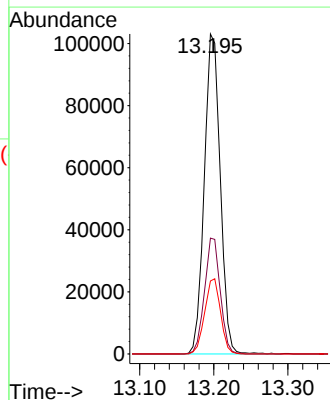
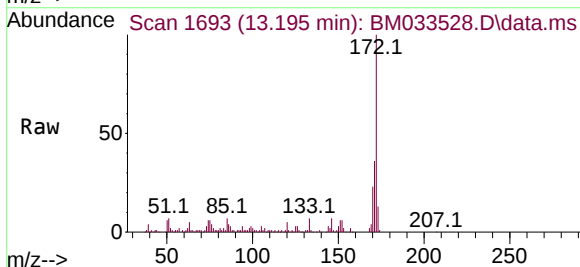


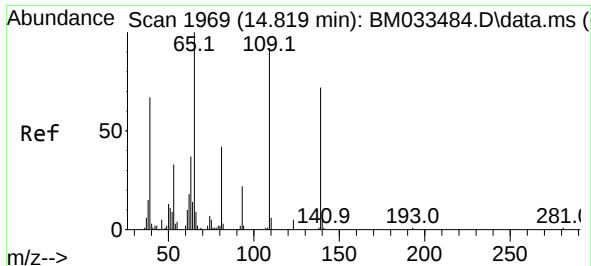
Tgt Ion:330 Resp: 36578
Ion Ratio Lower Upper
330 100
332 97.8 76.5 114.7
141 56.4 35.9 53.9#



#45
2-Fluorobiphenyl
Concen: 15.217 ng
RT: 13.195 min Scan# 1693
Delta R.T. -0.018 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion:172 Resp: 154195
Ion Ratio Lower Upper
172 100
171 36.2 27.2 40.8
170 22.8 18.7 28.1

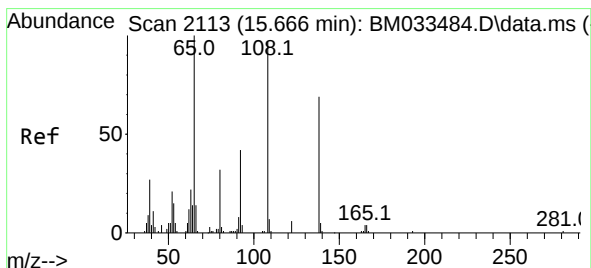
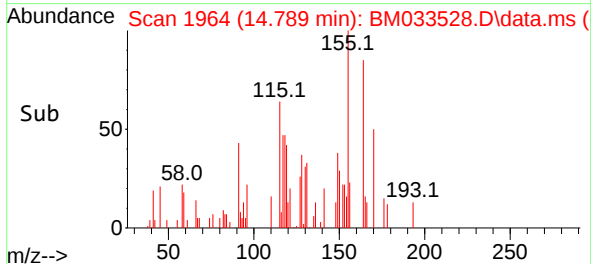
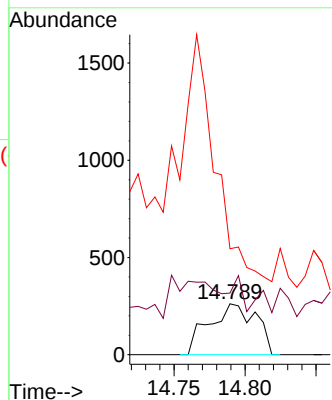
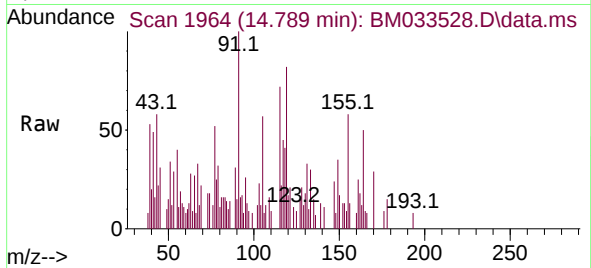




#56
4-Nitrophenol
Concen: 4.381 ng
RT: 14.789 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

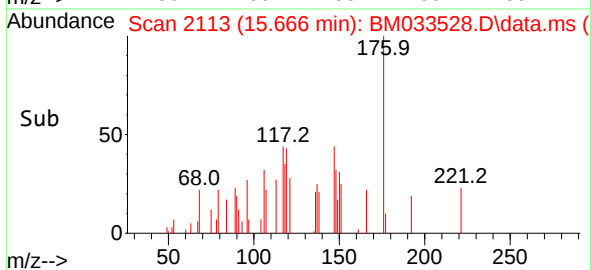
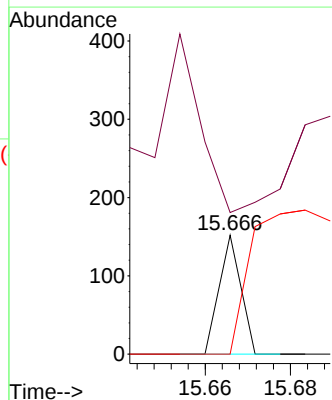
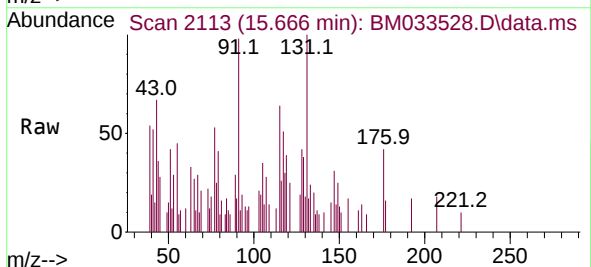
Instrument :
BNA_M
ClientSampleId :

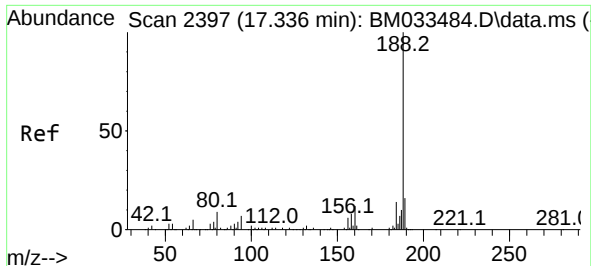
Tgt Ion:139 Resp: 602
Ion Ratio Lower Upper
139 100
109 121.0 75.3 115.3#
65 208.0 107.4 147.4#



#62
4-Nitroaniline
Concen: 2.594 ng
RT: 15.666 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 119.1 38.7 78.7#
108 0.0 81.9 121.9#

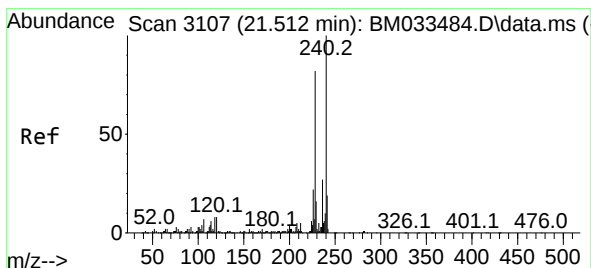
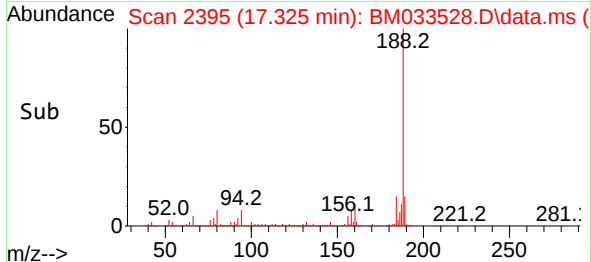
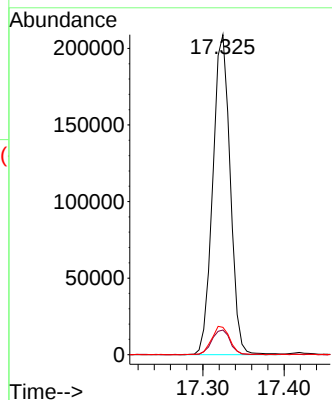
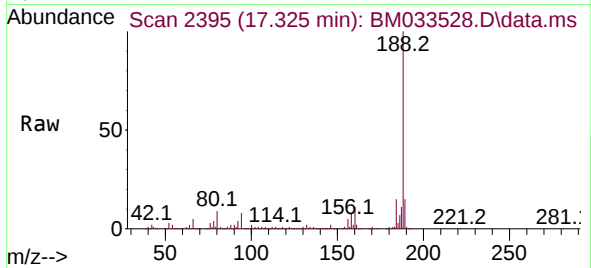




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.325 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

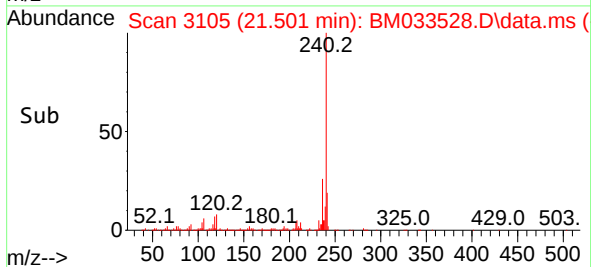
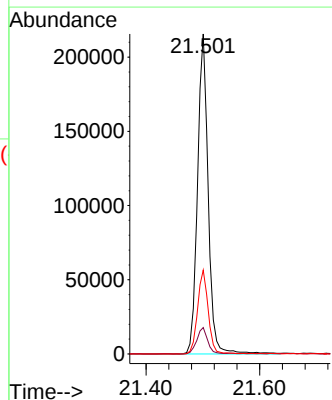
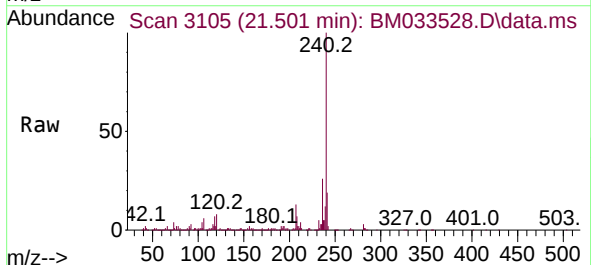
Instrument :
BNA_M
ClientSampleId :

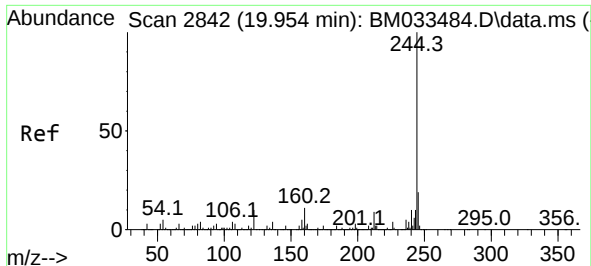
Tgt Ion:188 Resp: 311137
Ion Ratio Lower Upper
188 100
94 7.7 7.5 11.3
80 8.6 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3105
Delta R.T. -0.011 min
Lab File: BM033528.D
Acq: 18 Dec 2021 20:39

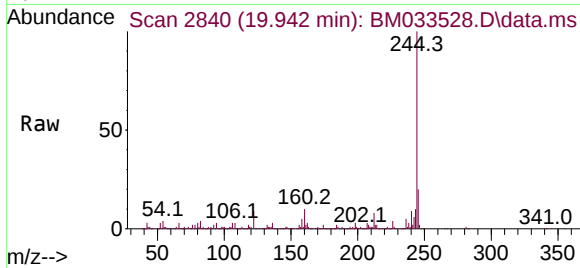
Tgt Ion:240 Resp: 282597
Ion Ratio Lower Upper
240 100
120 8.2 7.8 11.6
236 26.2 20.3 30.5



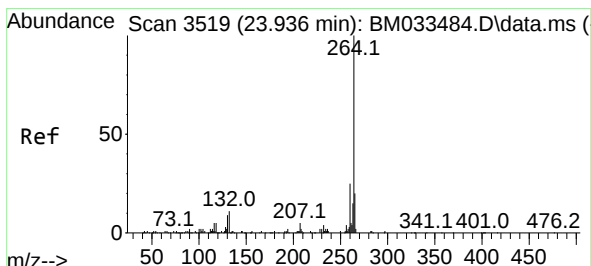
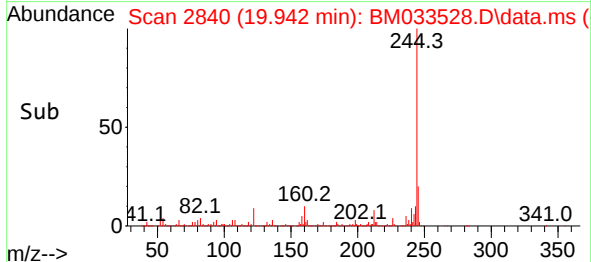
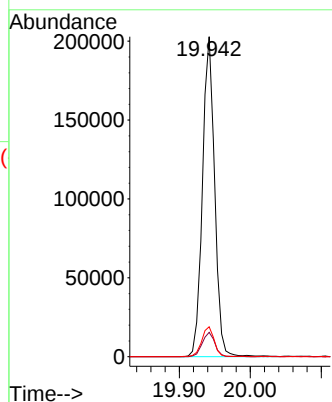


#79
 Terphenyl-d14
 Concen: 13.519 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM033528.D
 Acq: 18 Dec 2021 20:39

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 242674
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 9.4 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: BM033528.D
 Acq: 18 Dec 2021 20:39

Tgt Ion:264 Resp: 237721
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.7 26.5
 265 22.2 17.7 26.5

