

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033500.D
 Acq On : 17 Dec 2021 11:20
 Operator : CG/JU
 Sample : M5089-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MS-2

Quant Time: Dec 17 11:57:49 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)

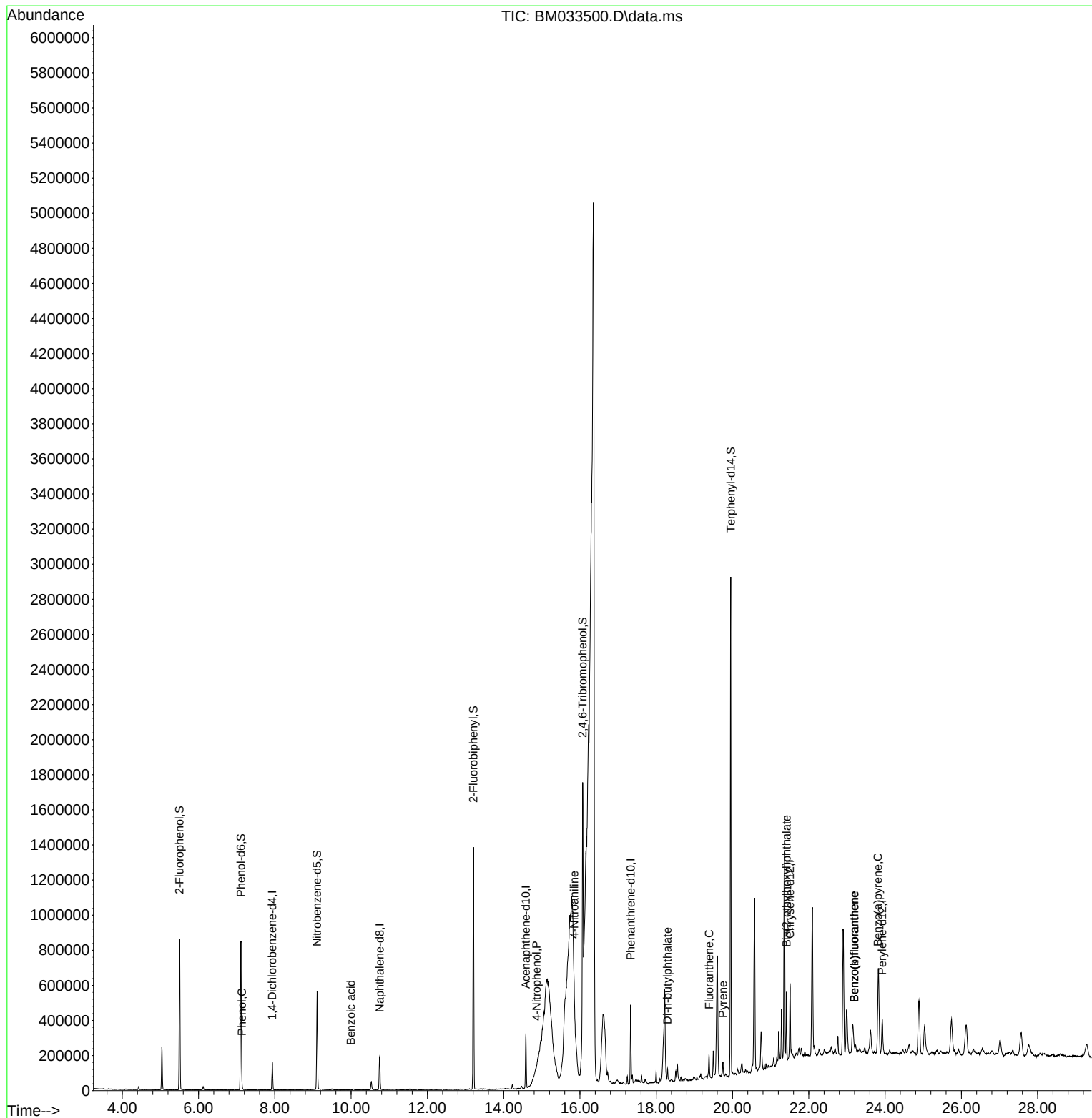
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	32719	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	131702	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	96925	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	249032	20.000	ng	0.00
76) Chrysene-d12	21.506	240	182654	20.000	ng	0.00
86) Perylene-d12	23.924	264	129704	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	271491	143.179	ng	0.00
7) Phenol-d6	7.113	99	361552	142.084	ng	0.00
23) Nitrobenzene-d5	9.107	82	285820	93.183	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	172974	158.648	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	596302	85.104	ng	0.00
79) Terphenyl-d14	19.954	244	1127635	97.193	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.343	88	69	Below Cal	#	1
9) Benzaldehyde	7.113	77	1255	Below Cal	#	7
10) Phenol	7.137	94	7942	3.089	ng	# 70
32) Benzoic acid	9.995	122	67	3.015	ng	# 1
56) 4-Nitrophenol	14.860	139	53	4.048	ng	# 17
62) 4-Nitroaniline	15.848	138	58	2.609	ng	# 1
74) Di-n-butylphthalate	18.295	149	45249	2.721	ng	# 97
75) Fluoranthene	19.383	202	52716	3.306	ng	97
78) Pyrene	19.748	202	46391	3.219	ng	96
84) Bis(2-ethylhexyl)phtha...	21.418	149	120151	12.710	ng	98
88) Benzo(b)fluoranthene	23.195	252	20077	2.414	ng	# 86
89) Benzo(k)fluoranthene	23.195	252	20077	2.386	ng	# 89
90) Benzo(a)pyrene	23.812	252	13546	2.176	ng	# 56

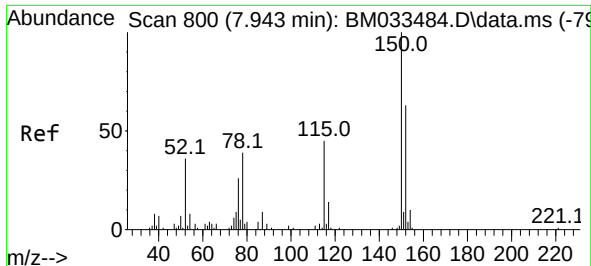
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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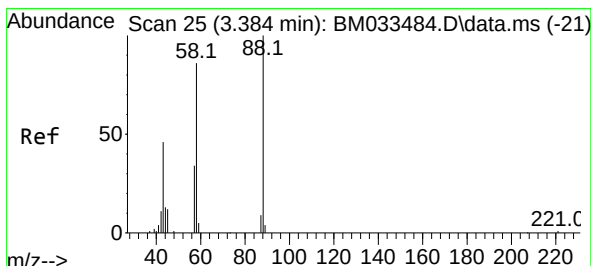
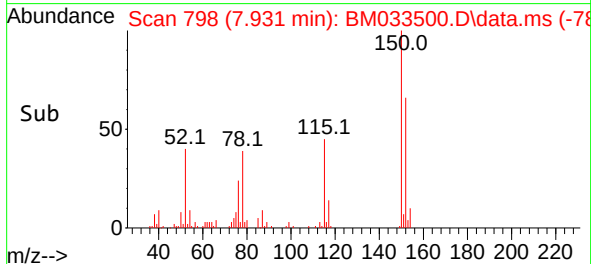
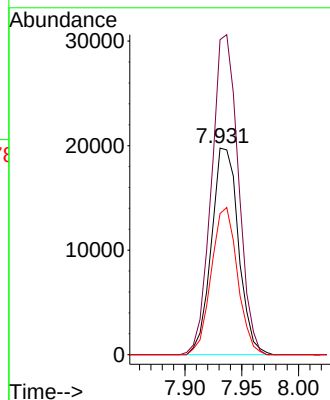
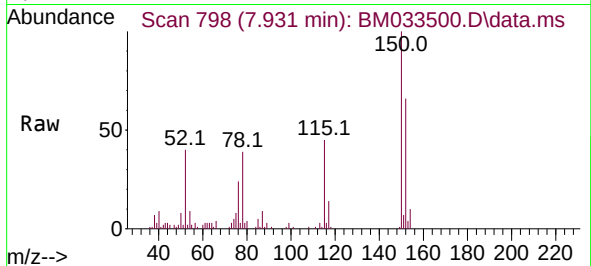




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

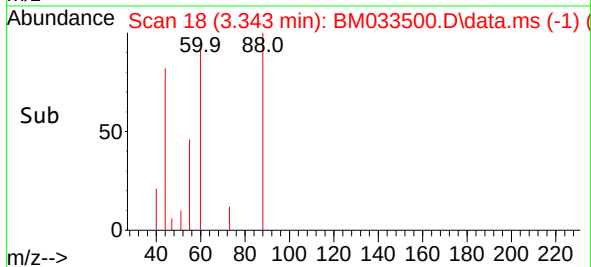
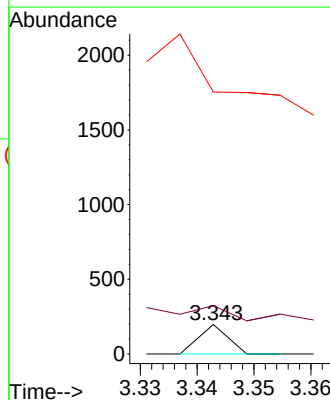
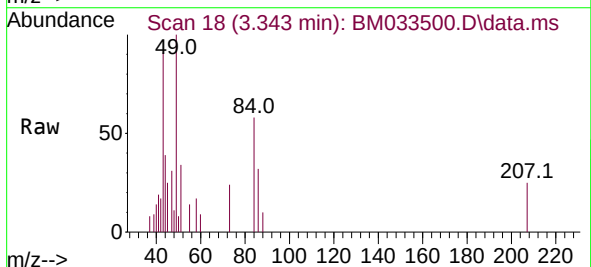
Instrument :
BNA_M
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MS-2

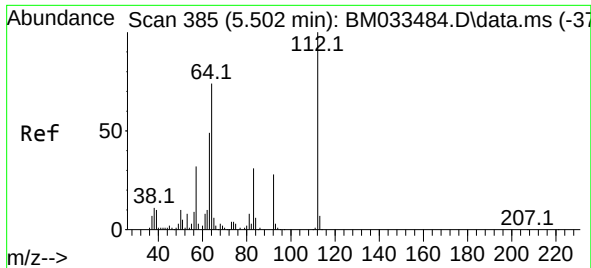
Tgt Ion:152 Resp: 32719
Ion Ratio Lower Upper
152 100
150 152.4 128.9 193.3
115 68.3 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.343 min Scan# 18
Delta R.T. -0.041 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
58 305.8 67.0 100.4#
43 1168.1 31.6 47.4#

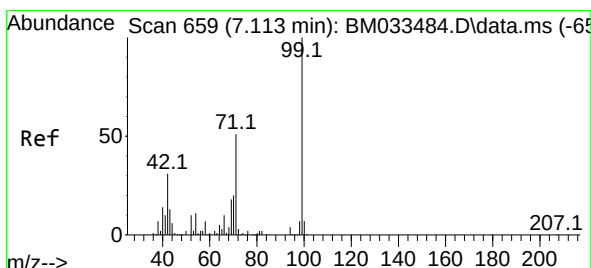
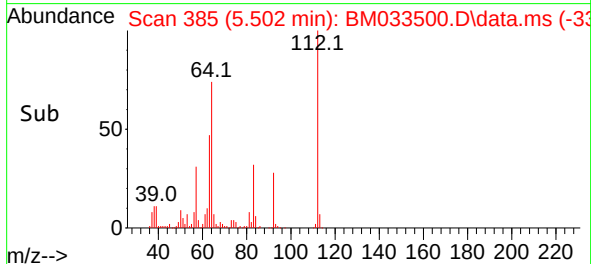
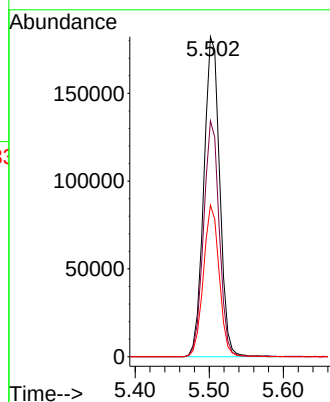
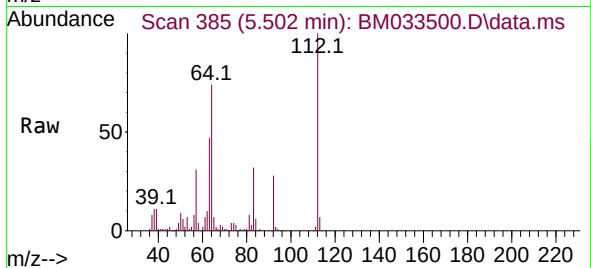




#5
2-Fluorophenol
Concen: 143.179 ng
RT: 5.502 min Scan# 385
Delta R.T. -0.000 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

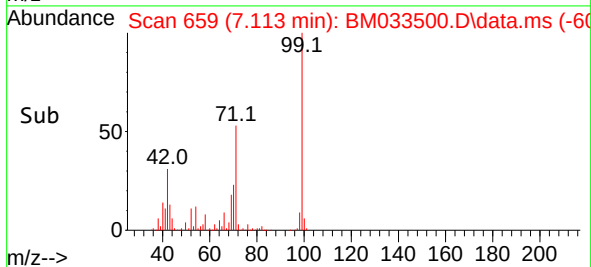
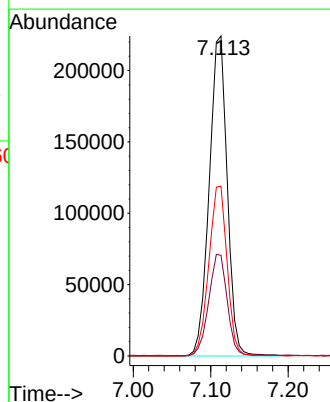
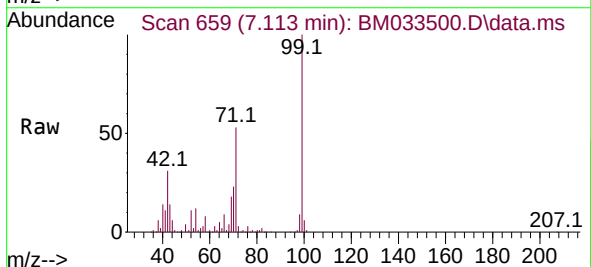
Instrument :
BNA_M
ClientSampleId :
MS-2

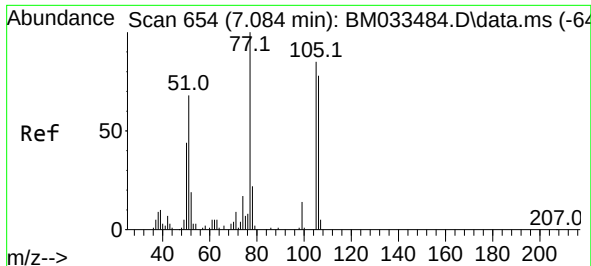
Tgt Ion:112 Resp: 271491
Ion Ratio Lower Upper
112 100
64 73.7 55.5 83.3
63 47.4 31.3 46.9#



#7
Phenol-d6
Concen: 142.084 ng
RT: 7.113 min Scan# 659
Delta R.T. 0.000 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion: 99 Resp: 361552
Ion Ratio Lower Upper
99 100
42 31.4 20.3 30.5#
71 53.1 34.5 51.7#

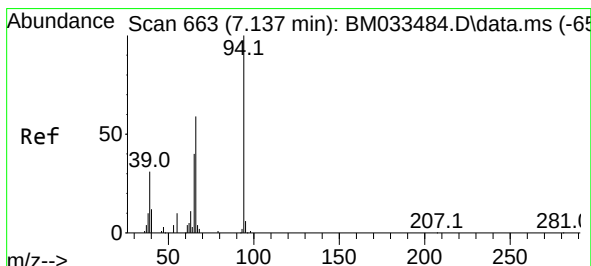
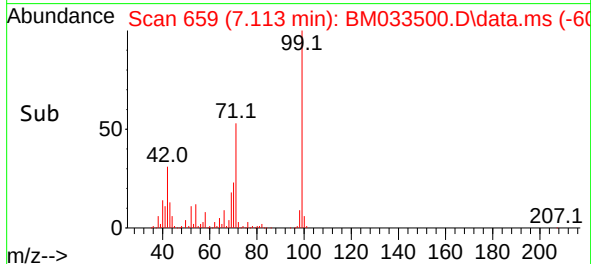
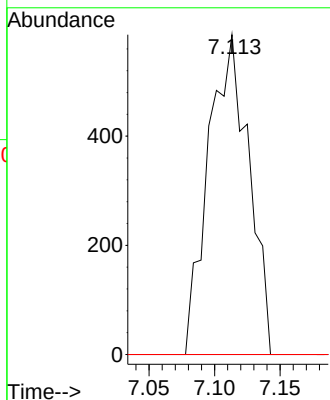
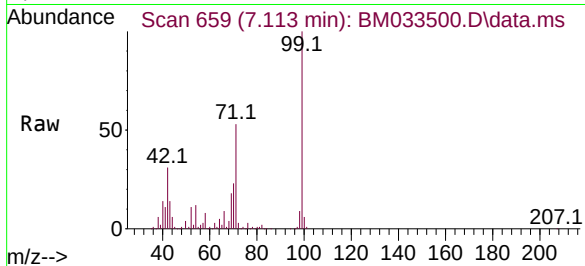




#9
Benzaldehyde
Concen: Below Cal
RT: 7.113 min Scan# 654
Delta R.T. 0.029 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

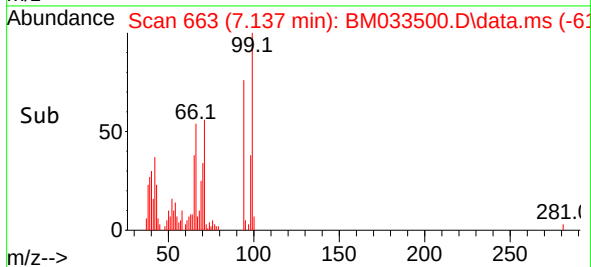
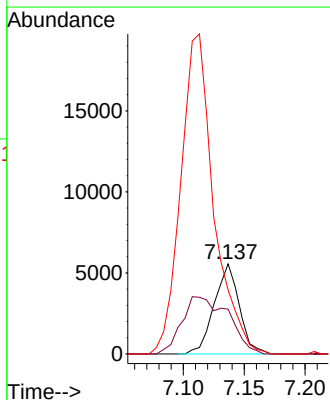
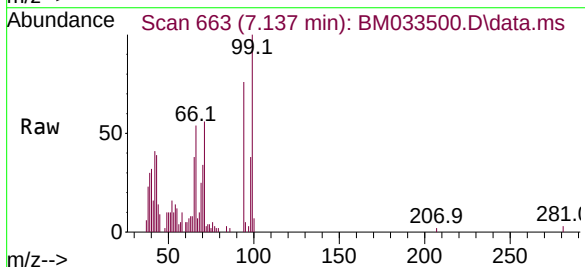
Instrument :
BNA_M
ClientSampleId :
MS-2

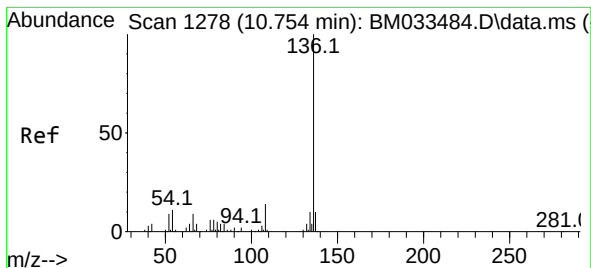
Tgt Ion: 77 Resp: 1255
Ion Ratio Lower Upper
77 100
105 0.0 67.1 107.1#
106 0.0 64.3 104.3#



#10
Phenol
Concen: 3.089 ng
RT: 7.137 min Scan# 663
Delta R.T. -0.000 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion: 94 Resp: 7942
Ion Ratio Lower Upper
94 100
65 49.7 15.5 55.5
66 71.1 28.5 68.5#

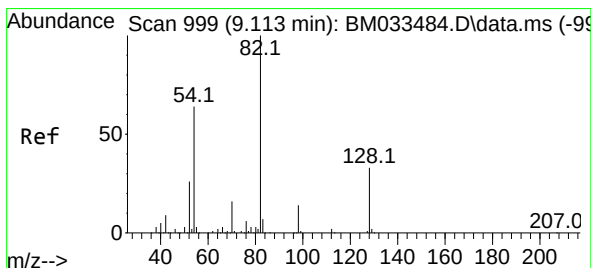
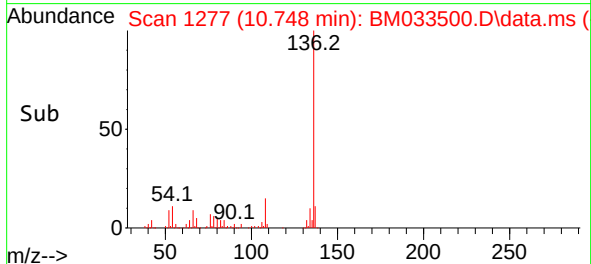
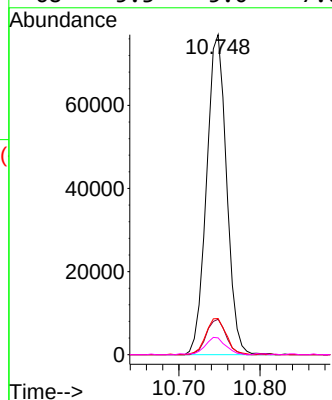
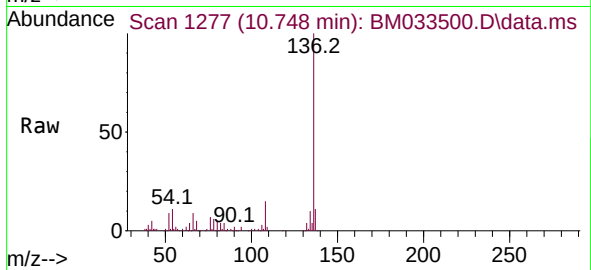




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

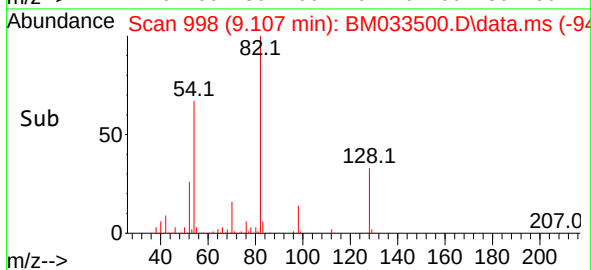
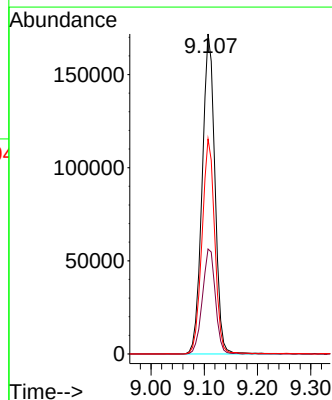
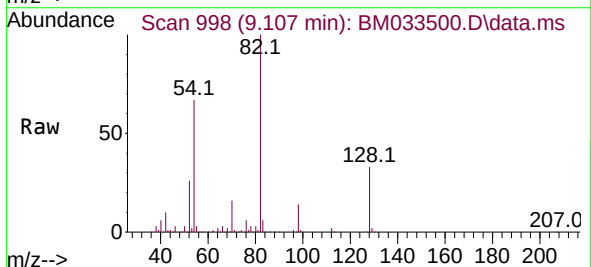
Instrument :
BNA_M
ClientSampleId :
MS-2

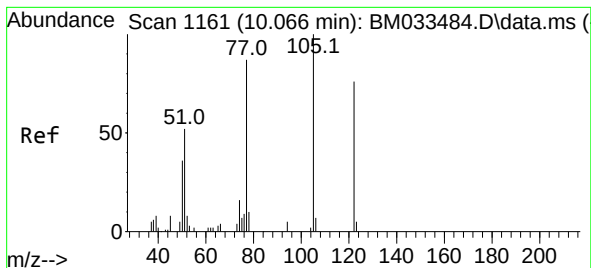
Tgt Ion:	136	Resp:	131702
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	11.3	8.3	12.5
68	5.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 93.183 ng
RT: 9.107 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:	82	Resp:	285820
Ion Ratio	Lower	Upper	
82	100		
128	32.8	28.1	42.1
54	67.2	46.1	69.1





#32

Benzoic acid

Concen: 3.015 ng

RT: 9.995 min Scan# 1161

Delta R.T. -0.071 min

Lab File: BM033500.D

Acq: 17 Dec 2021 11:20

Instrument :

BNA_M

ClientSampleId :

MS-2

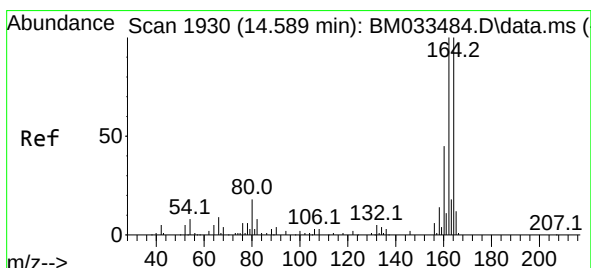
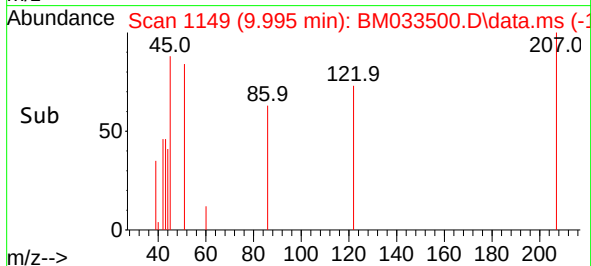
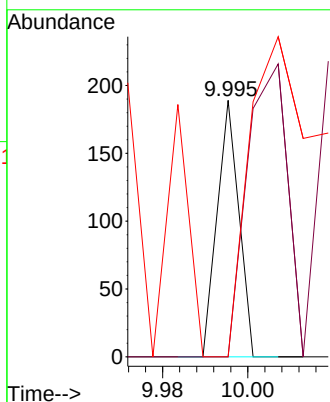
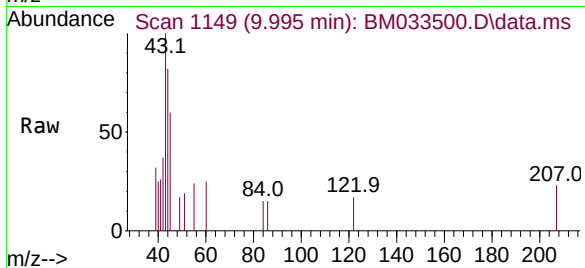
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 119.6 159.6#

77 0.0 101.0 141.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.583 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BM033500.D

Acq: 17 Dec 2021 11:20

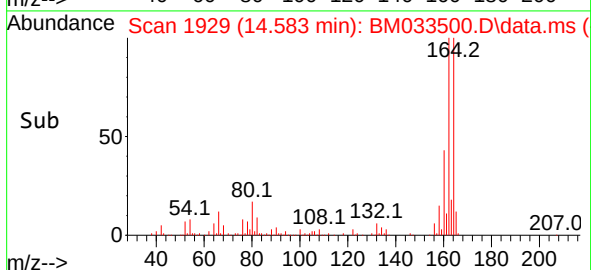
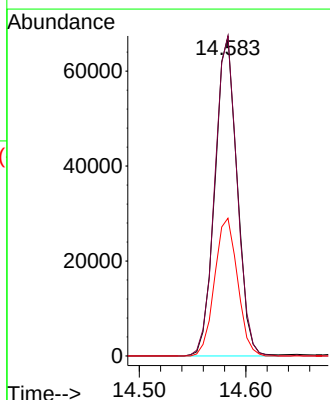
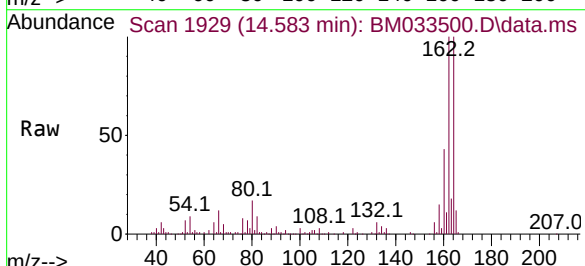
Tgt Ion:164 Resp: 96925

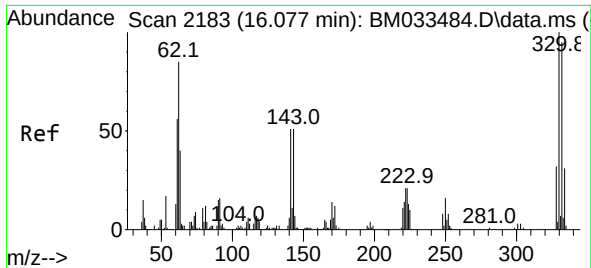
Ion Ratio Lower Upper

164 100

162 100.1 79.7 119.5

160 43.1 34.2 51.4

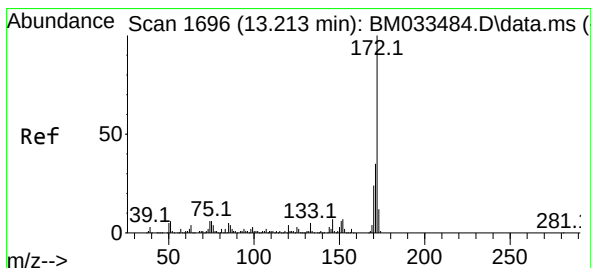
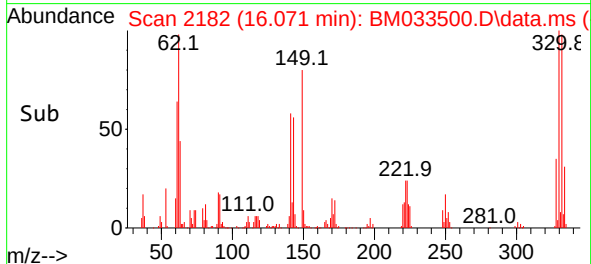
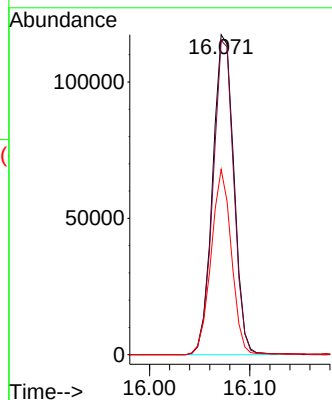
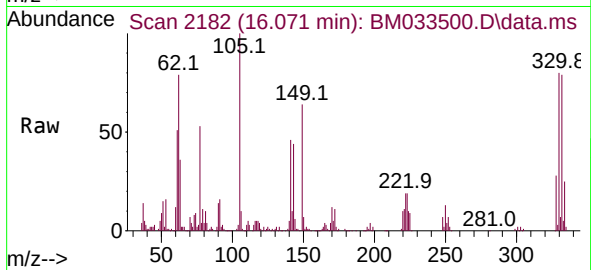




#42
2,4,6-Tribromophenol
Concen: 158.648 ng
RT: 16.071 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

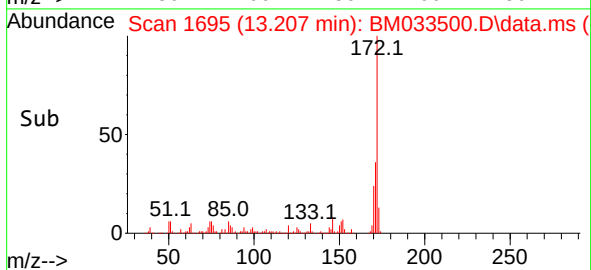
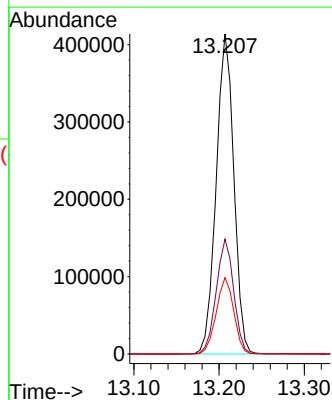
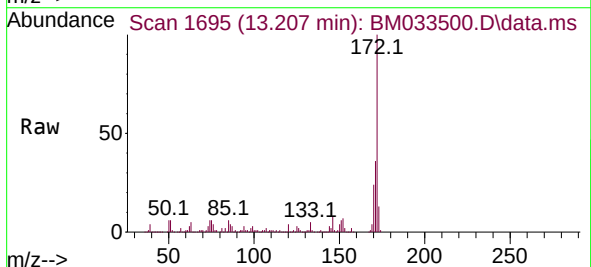
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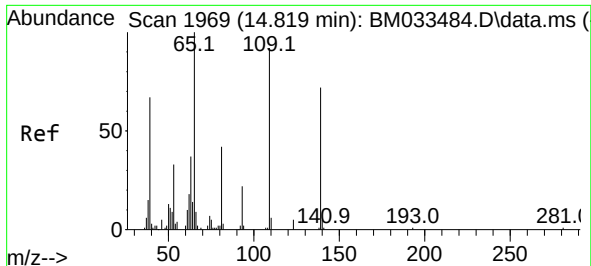
Tgt Ion:330 Resp: 172974
Ion Ratio Lower Upper
330 100
332 96.2 76.5 114.7
141 55.3 35.9 53.9#



#45
2-Fluorobiphenyl
Concen: 85.104 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:172 Resp: 596302
Ion Ratio Lower Upper
172 100
171 35.9 27.2 40.8
170 23.8 18.7 28.1

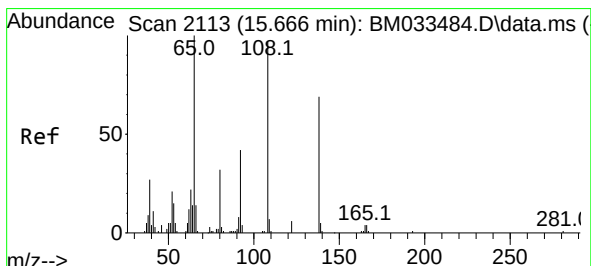
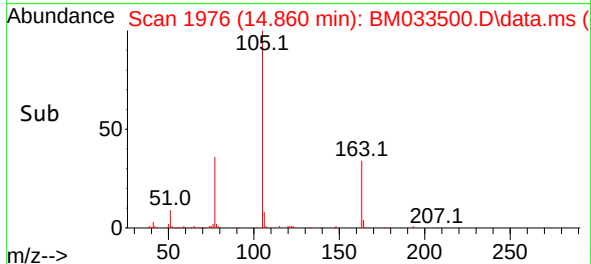
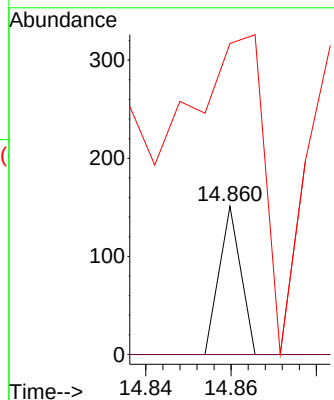
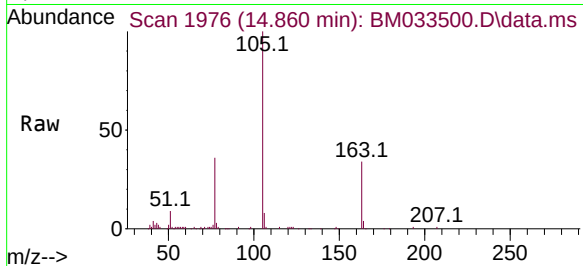




#56
4-Nitrophenol
Concen: 4.048 ng
RT: 14.860 min Scan# 1969
Delta R.T. 0.041 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

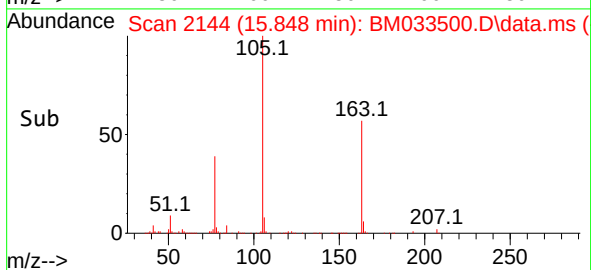
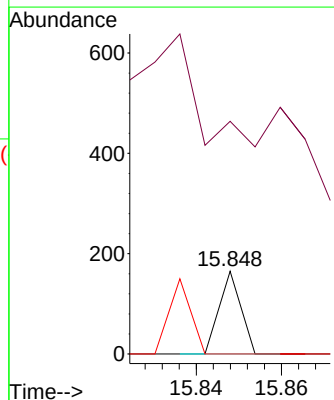
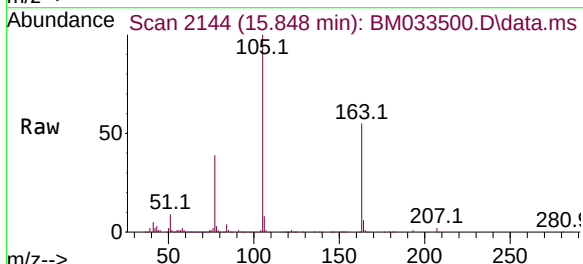
Instrument :
BNA_M
ClientSampleId :
MS-2

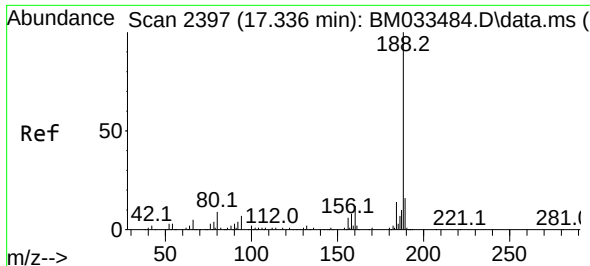
Tgt Ion:139 Resp: 53
Ion Ratio Lower Upper
139 100
109 0.0 75.3 115.3#
65 209.9 107.4 147.4#



#62
4-Nitroaniline
Concen: 2.609 ng
RT: 15.848 min Scan# 2144
Delta R.T. 0.182 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
92 281.2 38.7 78.7#
108 0.0 81.9 121.9#

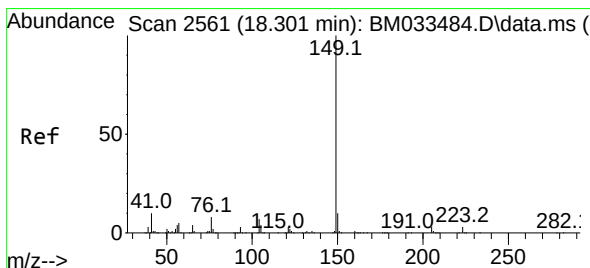
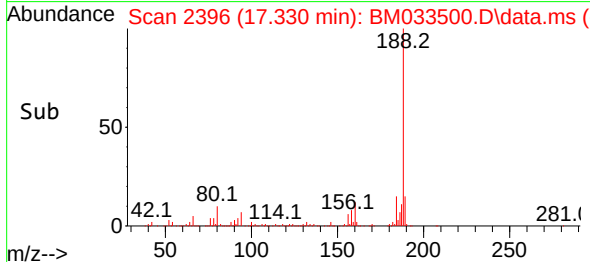
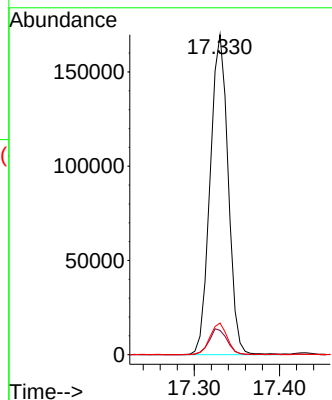
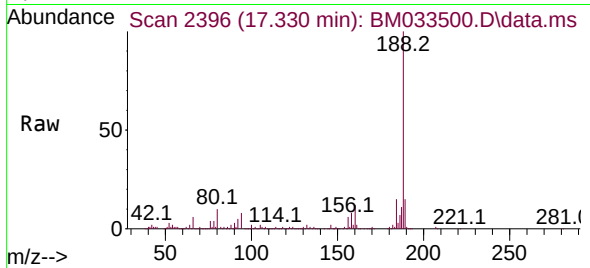




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

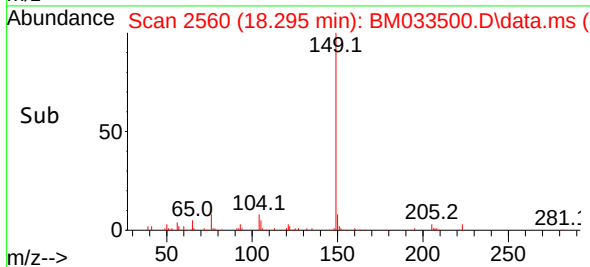
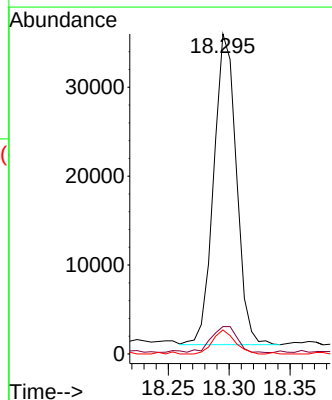
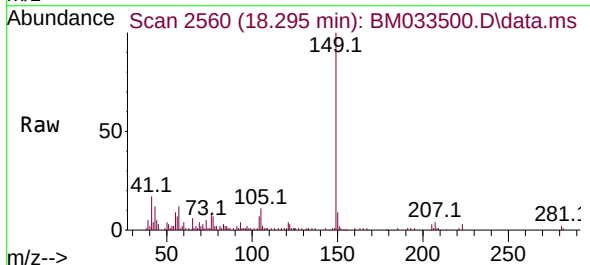
Instrument :
BNA_M
ClientSampleId :
MS-2

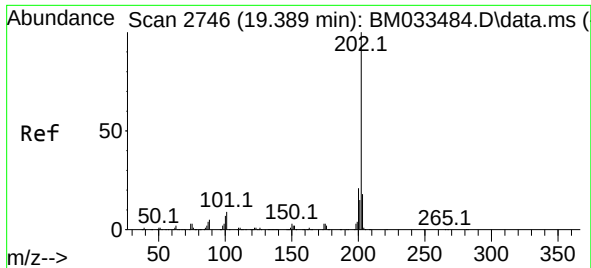
Tgt Ion:188 Resp: 249032
Ion Ratio Lower Upper
188 100
94 7.6 7.5 11.3
80 9.9 8.9 13.3



#74
Di-n-butylphthalate
Concen: 2.721 ng
RT: 18.295 min Scan# 2560
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:149 Resp: 45249
Ion Ratio Lower Upper
149 100
150 8.6 7.3 10.9
104 7.5 4.6 6.8

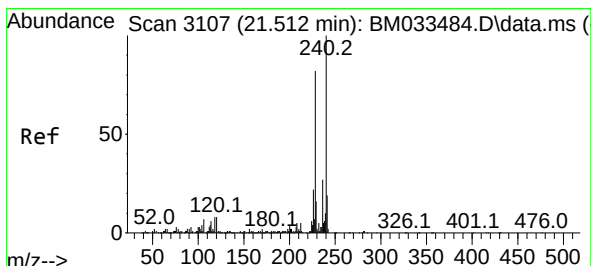
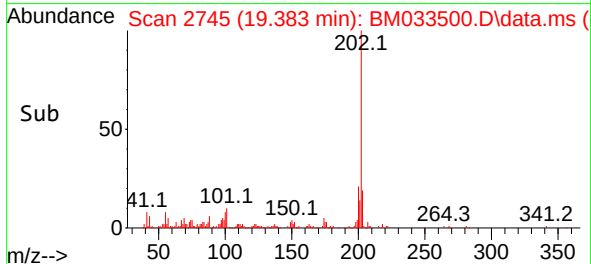
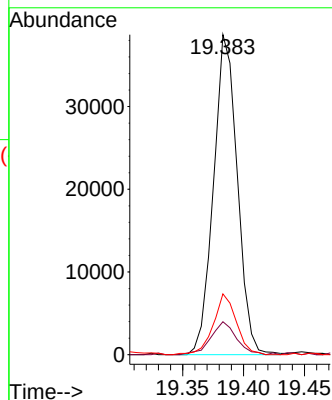
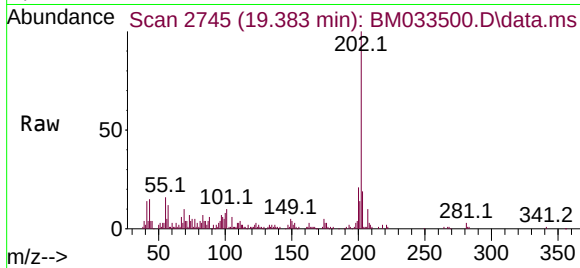




#75
Fluoranthene
Concen: 3.306 ng
RT: 19.383 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

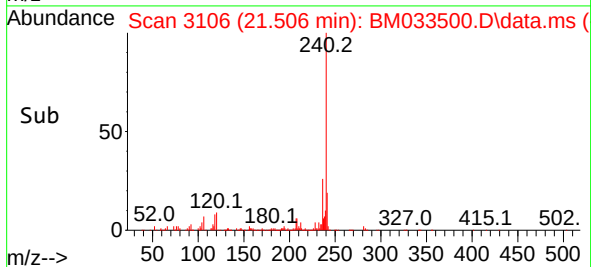
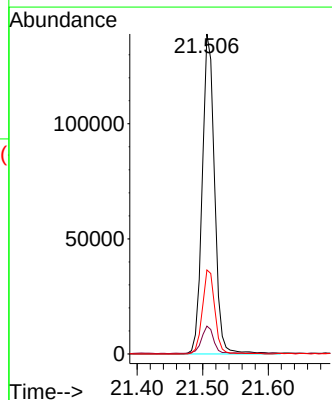
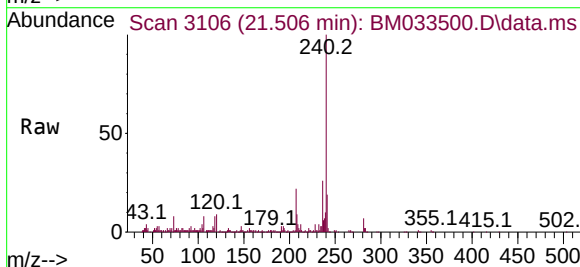
Instrument :
BNA_M
ClientSampleId :
MS-2

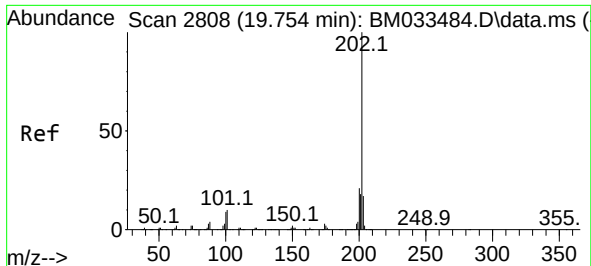
Tgt Ion:202 Resp: 52716
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.8
203 19.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.506 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:240 Resp: 182654
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 26.3 20.3 30.5

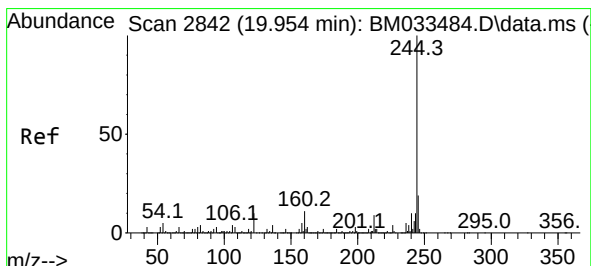
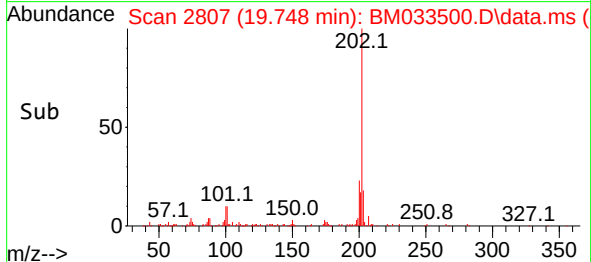
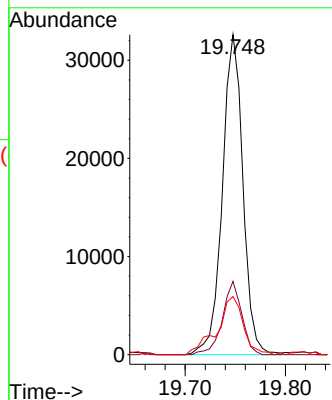
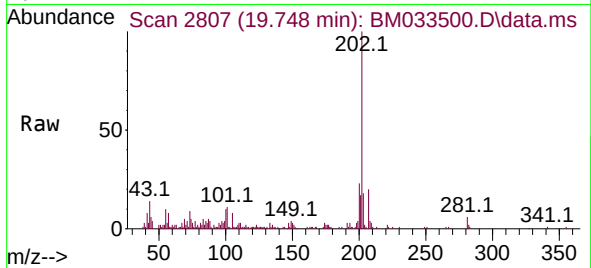




#78
 Pyrene
 Concen: 3.219 ng
 RT: 19.748 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM033500.D
 Acq: 17 Dec 2021 11:20

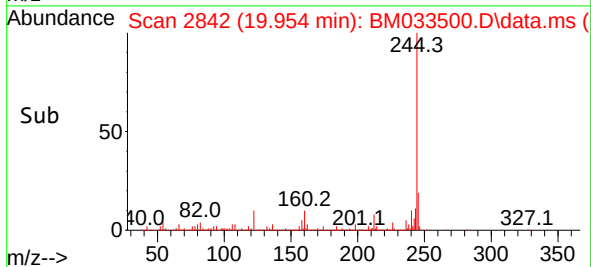
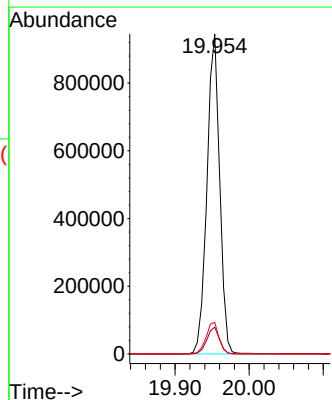
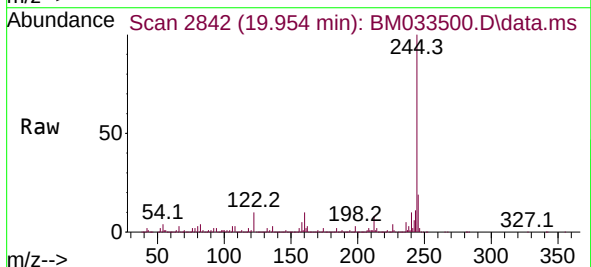
Instrument :
 BNA_M
 ClientSampleId :
 MS-2

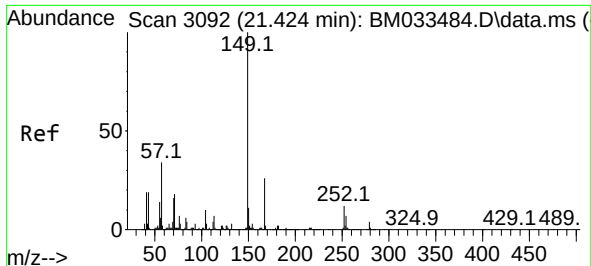
Tgt Ion:202 Resp: 46391
 Ion Ratio Lower Upper
 202 100
 200 22.9 16.4 24.6
 203 18.2 13.5 20.3



#79
 Terphenyl-d14
 Concen: 97.193 ng
 RT: 19.954 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: BM033500.D
 Acq: 17 Dec 2021 11:20

Tgt Ion:244 Resp: 1127635
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.9 8.9
 122 9.8 8.4 12.6

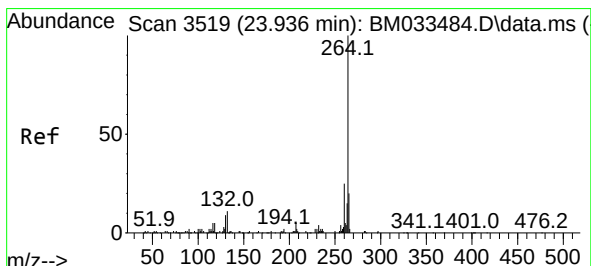
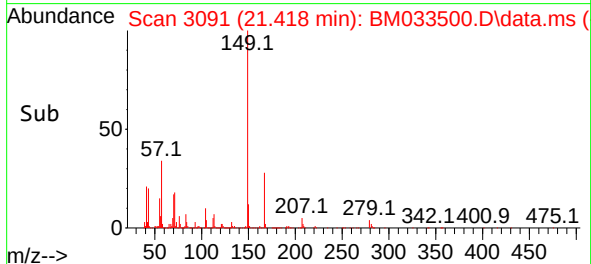
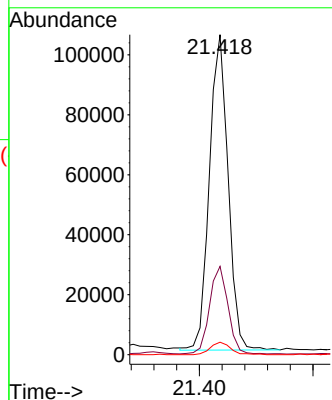
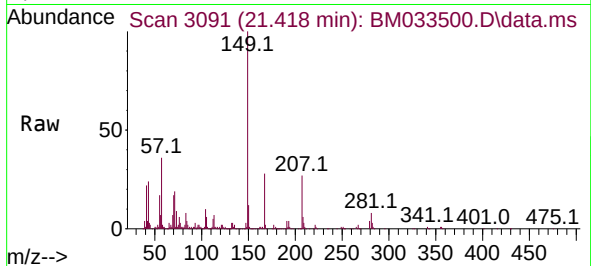




#84
Bis(2-ethylhexyl)phthalate
Concen: 12.710 ng
RT: 21.418 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

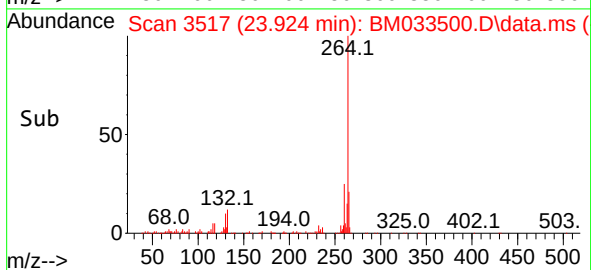
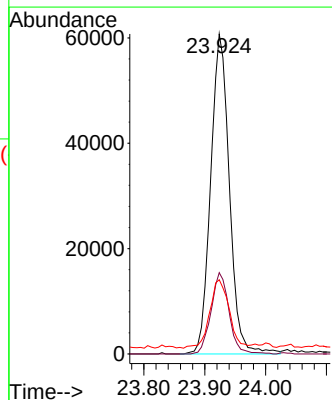
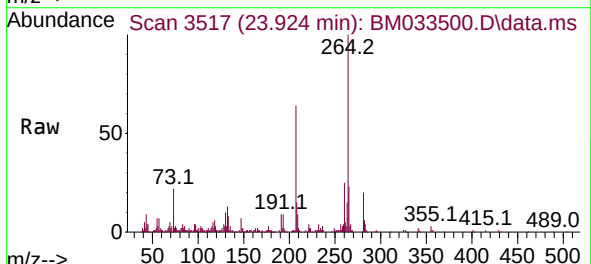
Instrument :
BNA_M
ClientSampleId :
MS-2

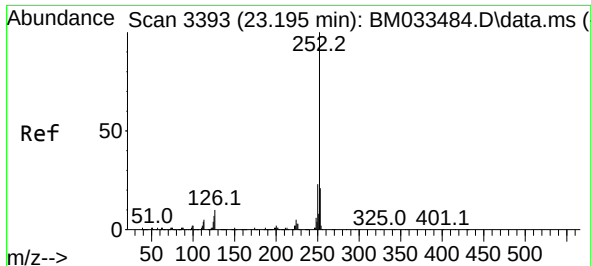
Tgt Ion:149 Resp: 120151
Ion Ratio Lower Upper
149 100
167 27.6 21.4 32.0
279 3.9 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.924 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:264 Resp: 129704
Ion Ratio Lower Upper
264 100
260 25.4 17.7 26.5
265 23.2 17.7 26.5

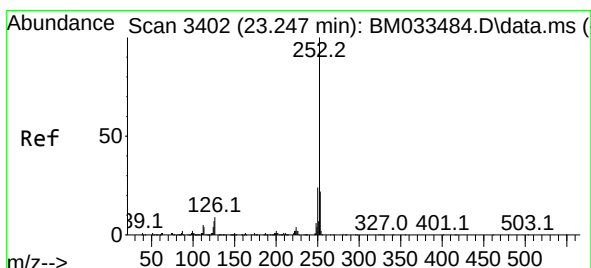
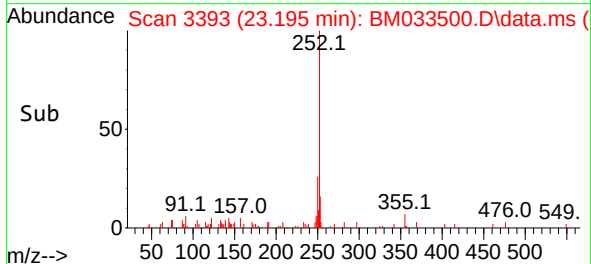
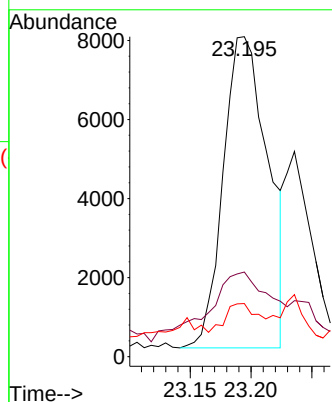
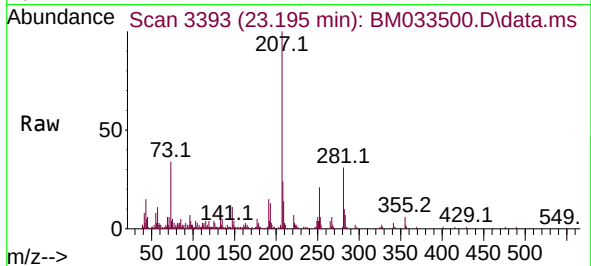




#88
Benzo(b)fluoranthene
Concen: 2.414 ng
RT: 23.195 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

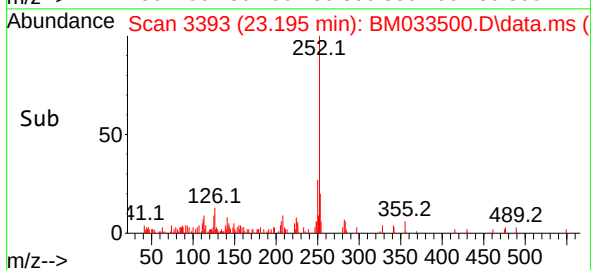
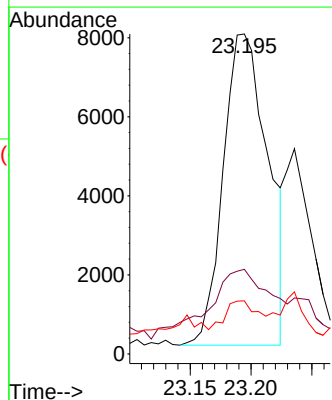
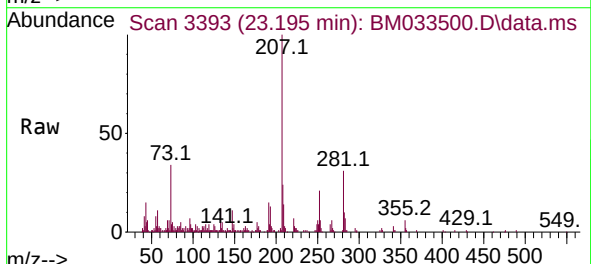
Instrument :
BNA_M
ClientSampleId :
MS-2

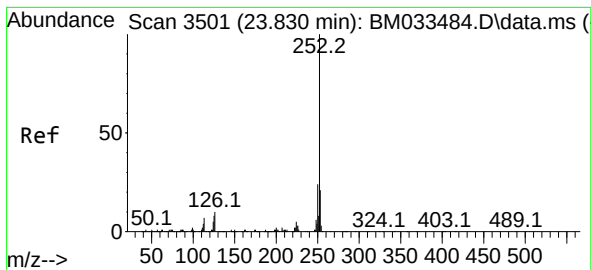
Tgt Ion:252 Resp: 20077
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 16.6 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 2.386 ng
RT: 23.195 min Scan# 3393
Delta R.T. -0.052 min
Lab File: BM033500.D
Acq: 17 Dec 2021 11:20

Tgt Ion:252 Resp: 20077
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.8
125 16.6 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 2.176 ng

RT: 23.812 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM033500.D

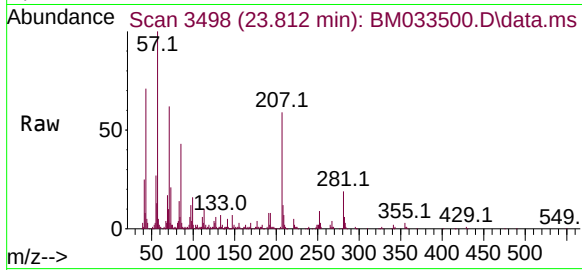
Acq: 17 Dec 2021 11:20

Instrument :

BNA_M

ClientSampleId :

MS-2



Tgt Ion:252 Resp: 13546

Ion Ratio Lower Upper

252 100

253 34.0 17.5 26.3#

125 41.1 7.8 11.8#

