

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033503.D
 Acq On : 17 Dec 2021 13:09
 Operator : CG/JU
 Sample : M5089-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 13:42:02 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)

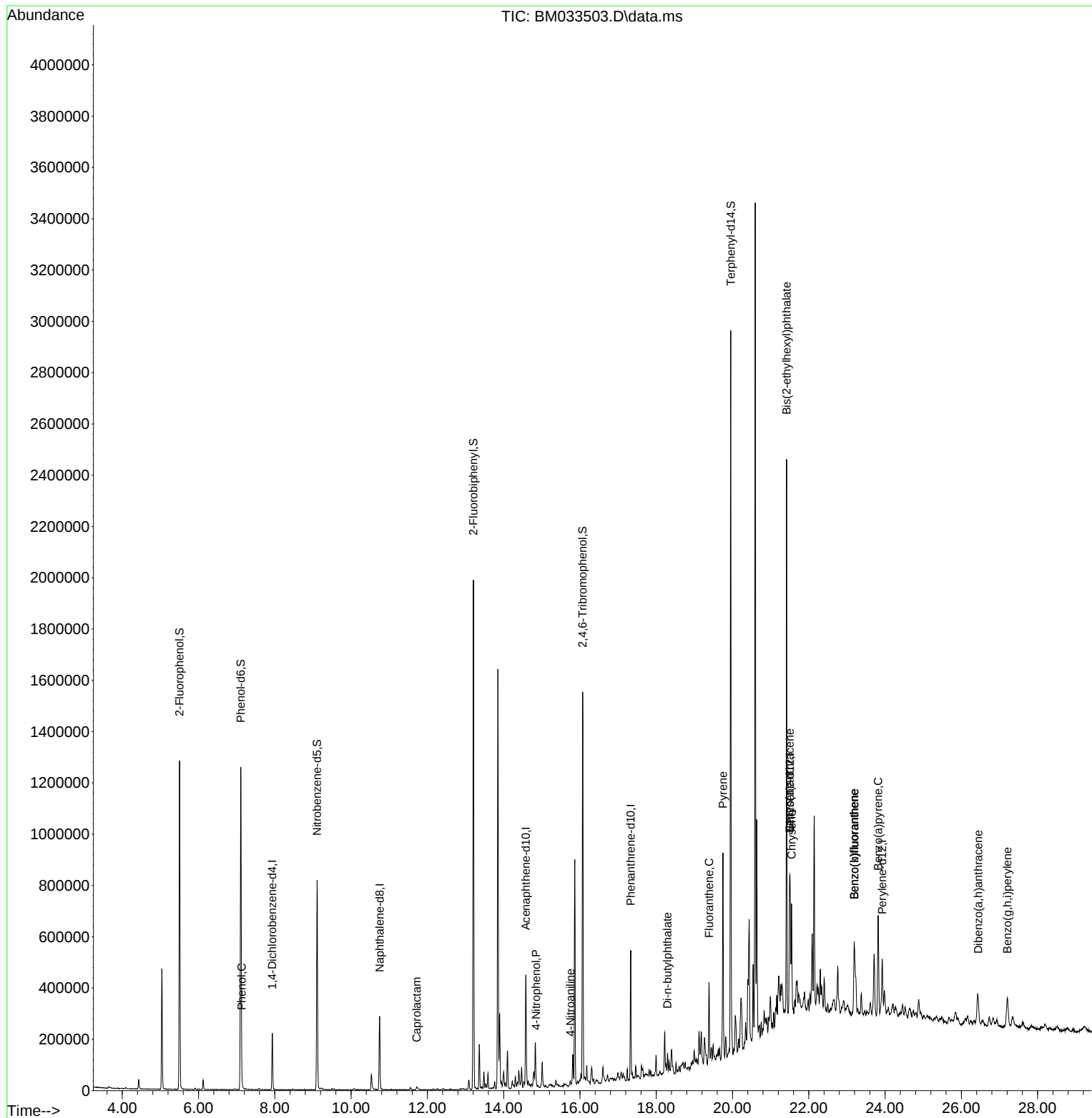
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	51600	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	211040	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	139377	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	276129	20.000	ng	# 0.00
76) Chrysene-d12	21.506	240	167844	20.000	ng	0.00
86) Perylene-d12	23.924	264	154826	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	419723	140.358	ng	0.00
7) Phenol-d6	7.107	99	572956	142.773	ng	0.00
23) Nitrobenzene-d5	9.107	82	442960	90.124	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	207895	132.600	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	894286	88.757	ng	0.00
79) Terphenyl-d14	19.954	244	1118027	104.868	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.396	88	468	Below Cal	#	29
9) Benzaldehyde	7.107	77	1915	Below Cal	#	7
10) Phenol	7.131	94	9693	2.391	ng	# 61
35) Caprolactam	11.719	113	2557	4.095	ng	# 74
56) 4-Nitrophenol	14.848	139	120	4.076	ng	# 1
62) 4-Nitroaniline	15.748	138	113	2.623	ng	# 5
74) Di-n-butylphthalate	18.295	149	50664	2.747	ng	# 97
75) Fluoranthene	19.383	202	136473	7.720	ng	97
78) Pyrene	19.748	202	461207	34.826	ng	99
81) Benzo(a)anthracene	21.495	228	217872	19.367	ng	95
83) Chrysene	21.548	228	241638	22.309	ng	99
84) Bis(2-ethylhexyl)phtha...	21.418	149	628126	72.306	ng	99
88) Benzo(b)fluoranthene	23.195	252	326485	32.885	ng	98
89) Benzo(k)fluoranthene	23.195	252	326485	32.511	ng	99
90) Benzo(a)pyrene	23.818	252	287005	38.630	ng	98
91) Dibenzo(a,h)anthracene	26.441	278	43373	8.101	ng	# 91
92) Benzo(g,h,i)perylene	27.206	276	148224	21.528	ng	97

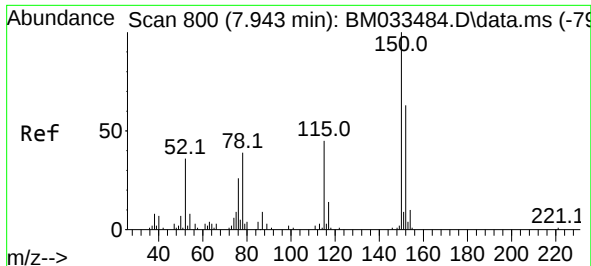
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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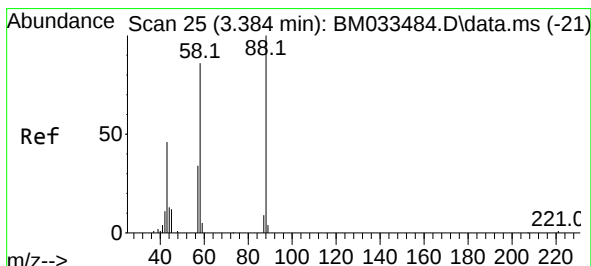
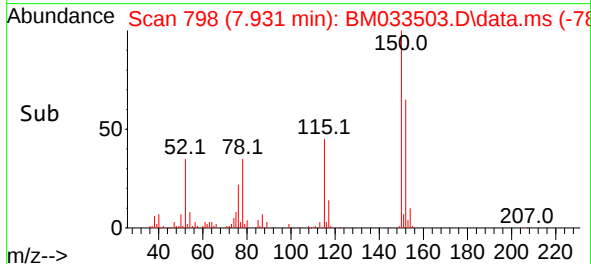
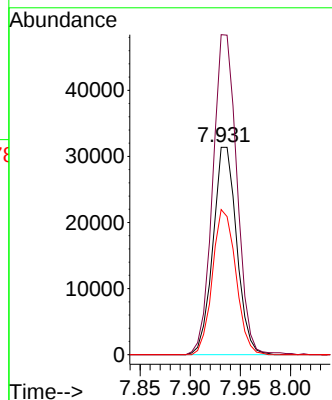
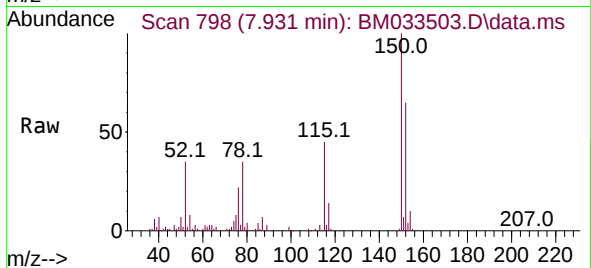




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 79
Delta R.T. -0.012 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

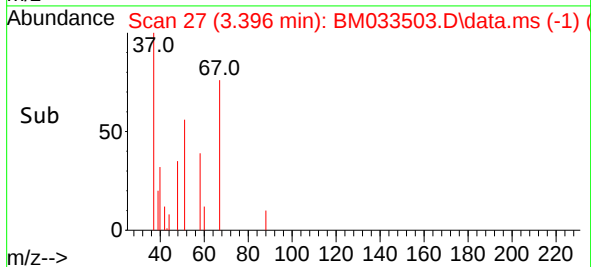
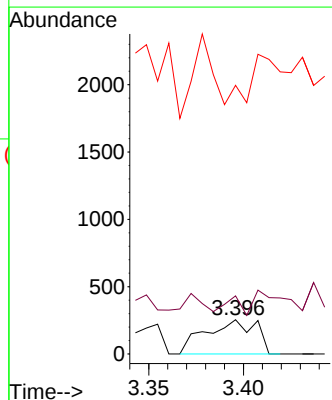
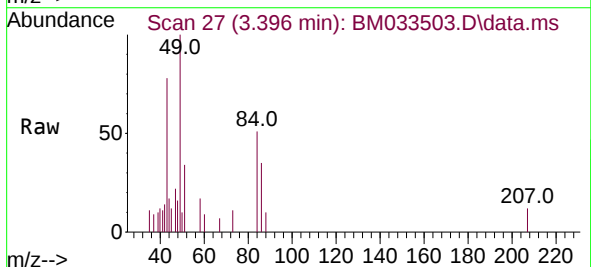
Instrument :
BNA_M
ClientSampleId :

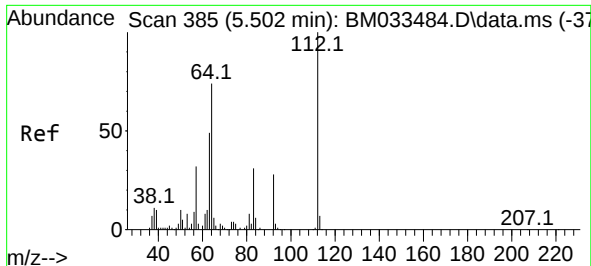
Tgt Ion:152 Resp: 51600
Ion Ratio Lower Upper
152 100
150 154.3 128.9 193.3
115 70.0 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.396 min Scan# 27
Delta R.T. 0.012 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion: 88 Resp: 468
Ion Ratio Lower Upper
88 100
58 17.1 67.0 100.4#
43 0.0 31.6 47.4#

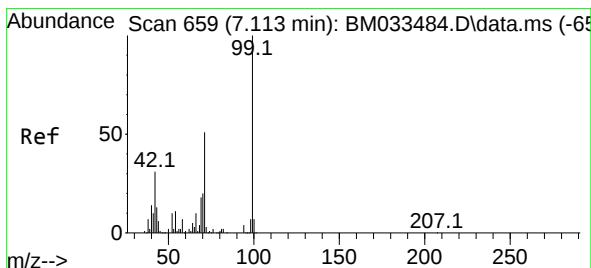
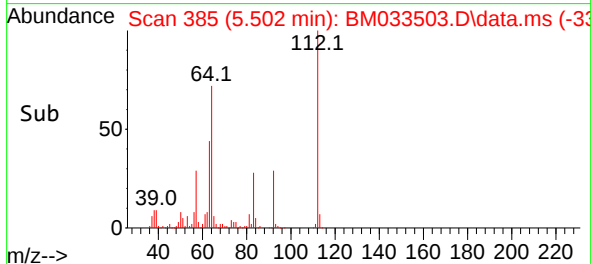
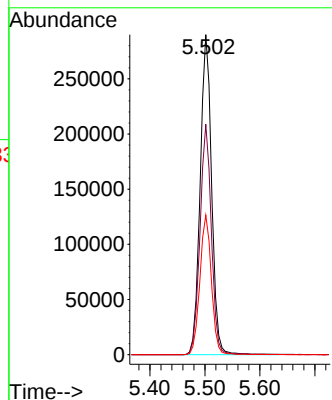
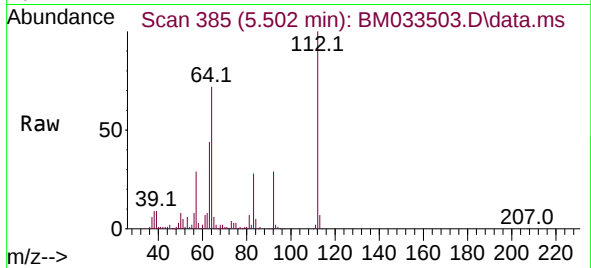




#5
2-Fluorophenol
Concen: 140.358 ng
RT: 5.502 min Scan# 385
Delta R.T. -0.000 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

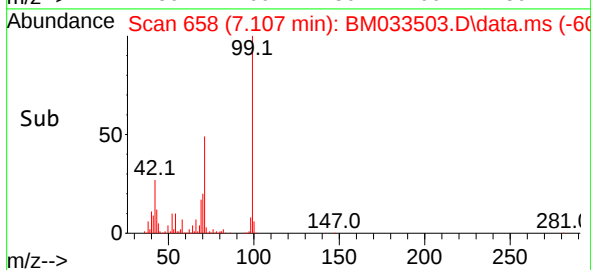
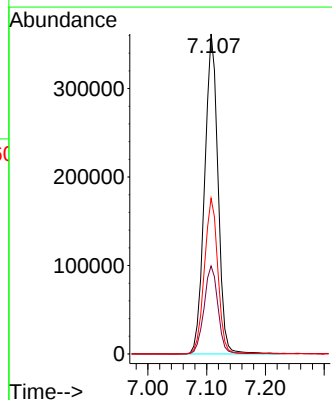
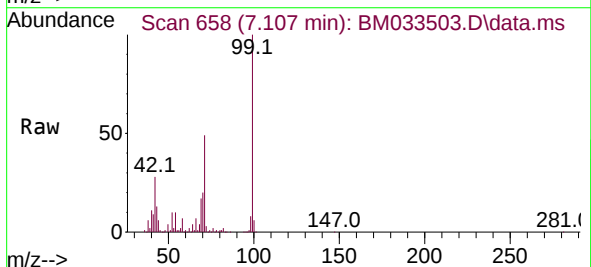
Instrument :
BNA_M
ClientSampleId :

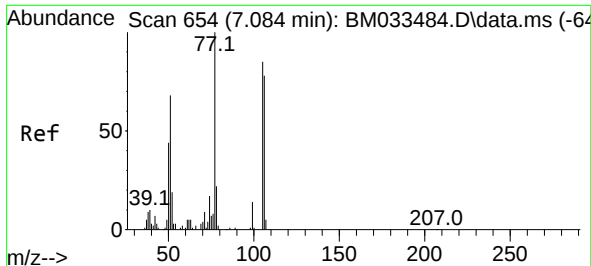
Tgt Ion:112 Resp: 419723
Ion Ratio Lower Upper
112 100
64 72.0 55.5 83.3
63 43.6 31.3 46.9



#7
Phenol-d6
Concen: 142.773 ng
RT: 7.107 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion: 99 Resp: 572956
Ion Ratio Lower Upper
99 100
42 27.5 20.3 30.5
71 48.7 34.5 51.7

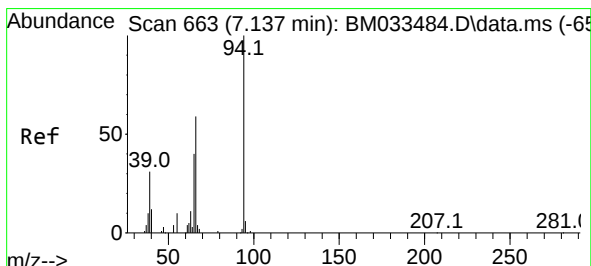
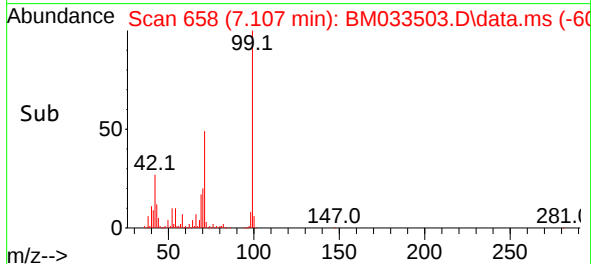
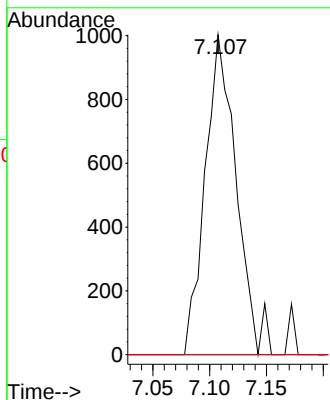
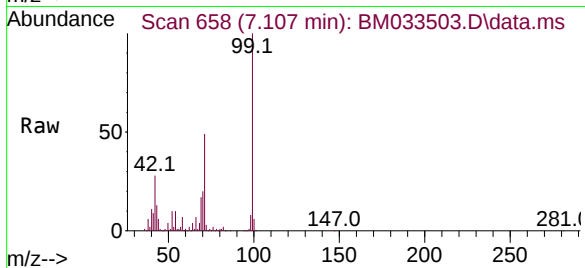




#9
Benzaldehyde
Concen: Below Cal
RT: 7.107 min Scan# 61
Delta R.T. 0.023 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

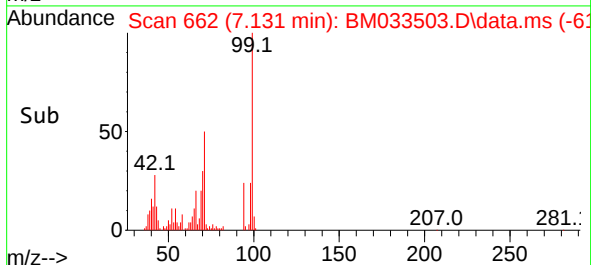
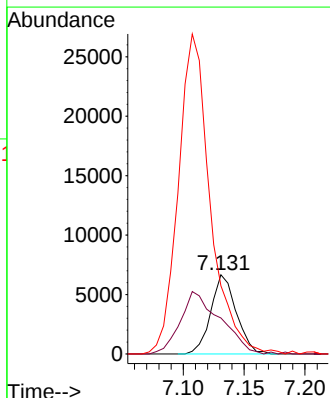
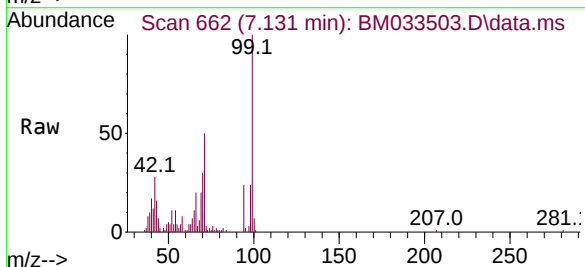
Instrument :
BNA_M
ClientSampleId :

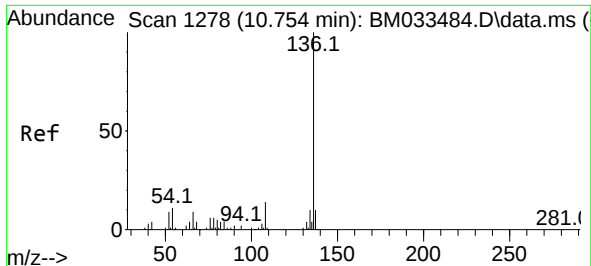
Tgt Ion: 77 Resp: 1915
Ion Ratio Lower Upper
77 100
105 0.0 67.1 107.1#
106 0.0 64.3 104.3#



#10
Phenol
Concen: 2.391 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion: 94 Resp: 9693
Ion Ratio Lower Upper
94 100
65 45.4 15.5 55.5
66 86.1 28.5 68.5#

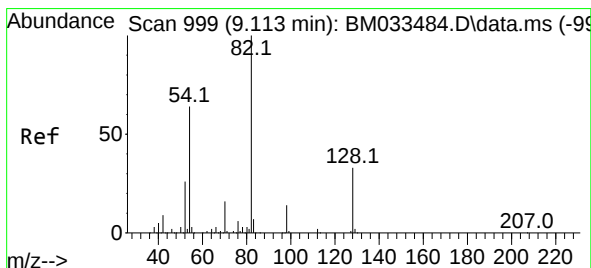
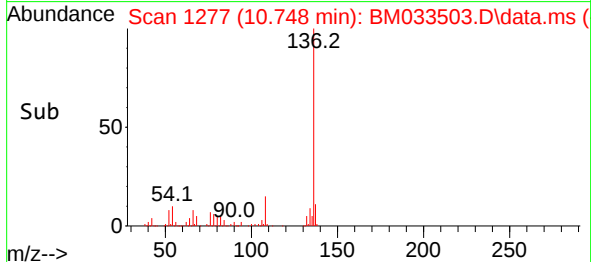
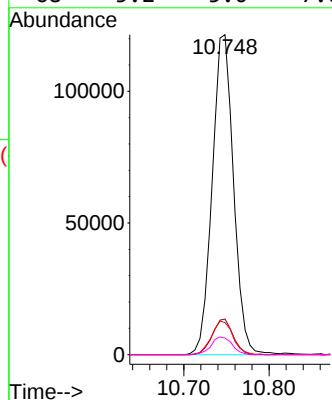
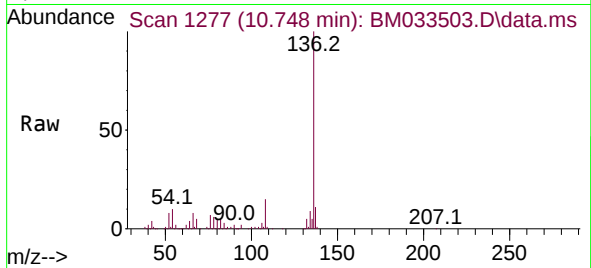




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

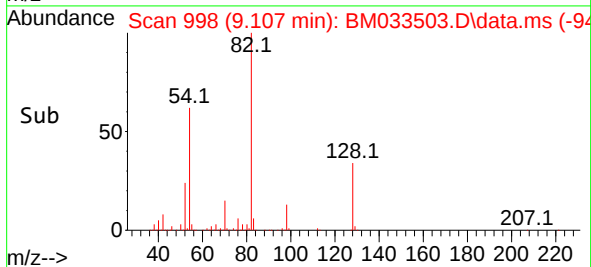
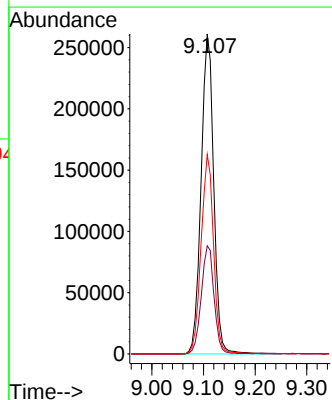
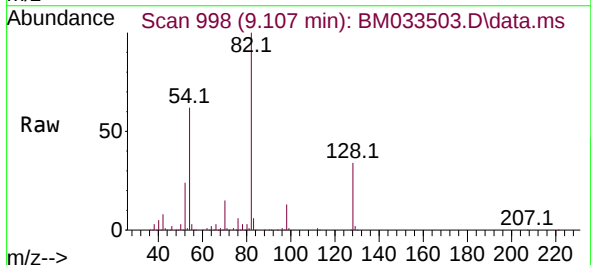
Instrument :
BNA_M
ClientSampleId :

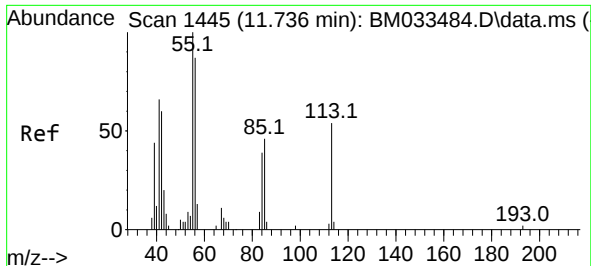
Tgt Ion:	136	Resp:	211040
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	10.0	8.3	12.5
68	5.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 90.124 ng
RT: 9.107 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:	82	Resp:	442960
Ion Ratio	Lower	Upper	
82	100		
128	33.8	28.1	42.1
54	62.3	46.1	69.1

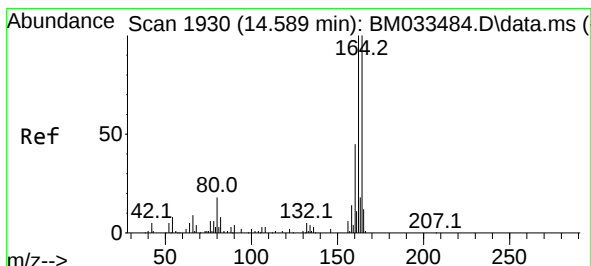
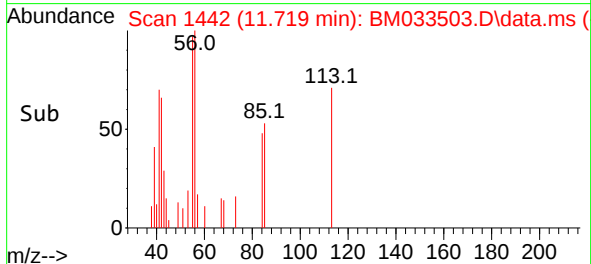
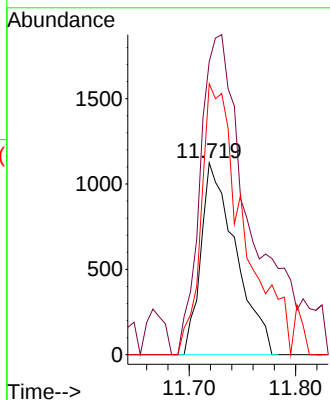
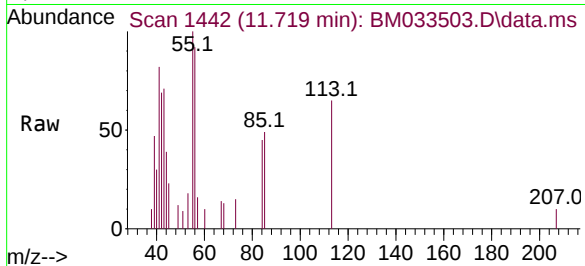




#35
Caprolactam
Concen: 4.095 ng
RT: 11.719 min Scan# 1445
Delta R.T. -0.017 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

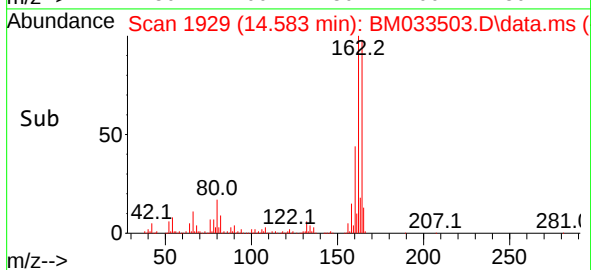
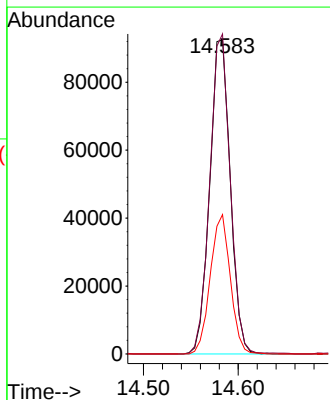
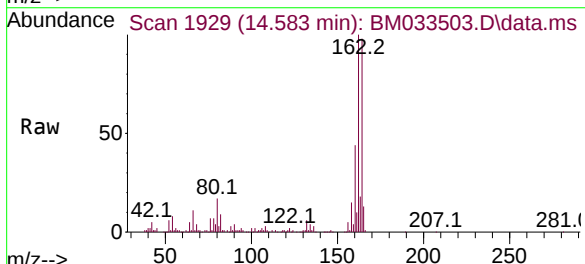
Instrument :
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ClientSampleId :

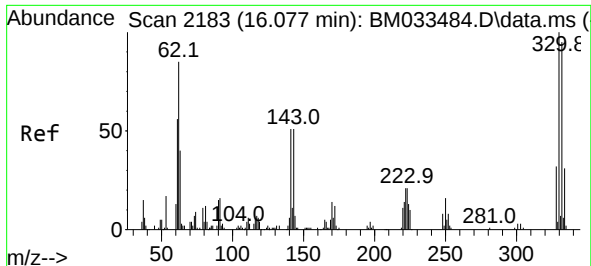
Tgt Ion:113 Resp: 2557
Ion Ratio Lower Upper
113 100
55 152.8 183.6 223.6#
56 141.2 143.7 183.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

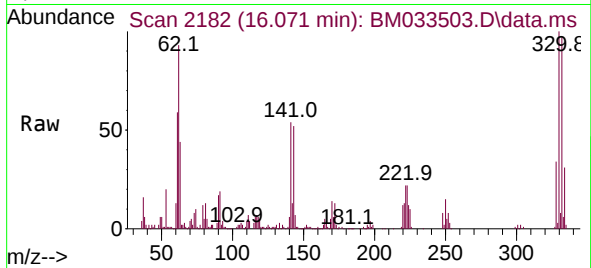
Tgt Ion:164 Resp: 139377
Ion Ratio Lower Upper
164 100
162 101.9 79.7 119.5
160 44.4 34.2 51.4



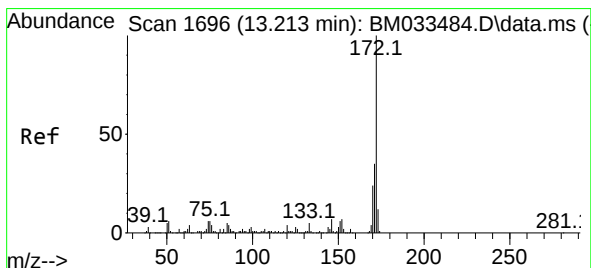
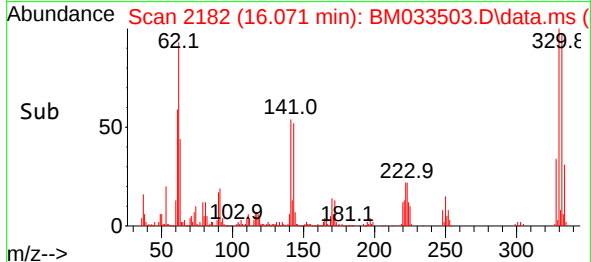
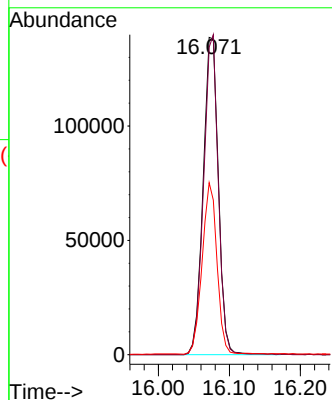


#42
2,4,6-Tribromophenol
Concen: 132.600 ng
RT: 16.071 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Instrument :
BNA_M
ClientSampleId :

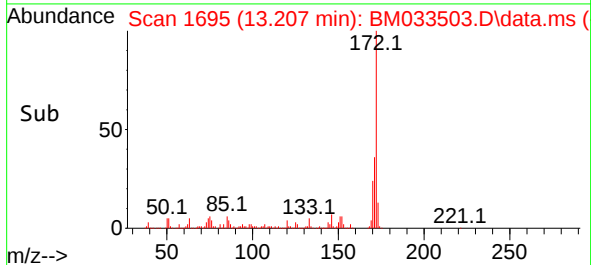
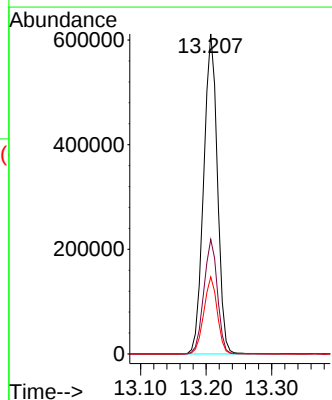
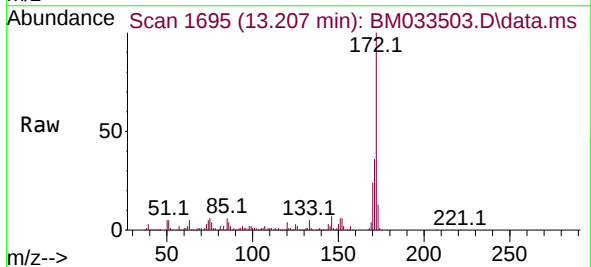


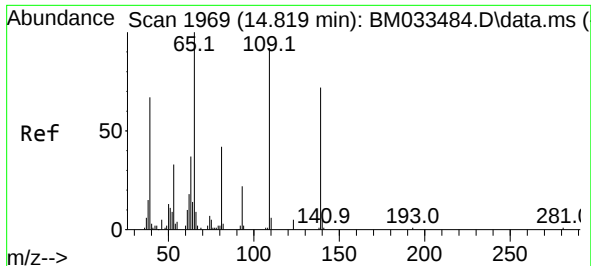
Tgt Ion:330 Resp: 207895
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 52.3 35.9 53.9



#45
2-Fluorobiphenyl
Concen: 88.757 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:172 Resp: 894286
Ion Ratio Lower Upper
172 100
171 35.8 27.2 40.8
170 24.1 18.7 28.1

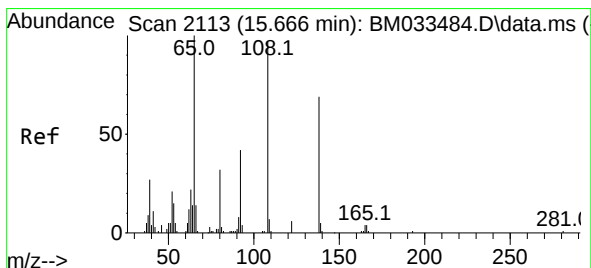
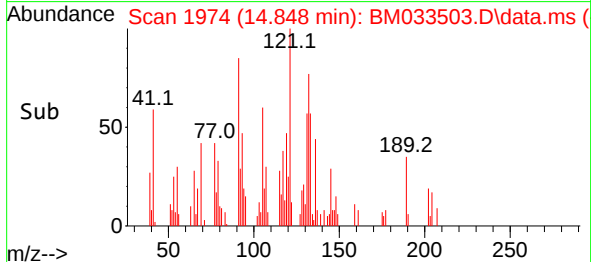
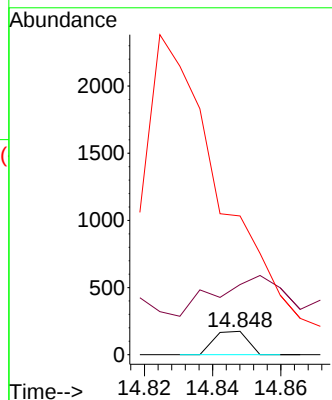
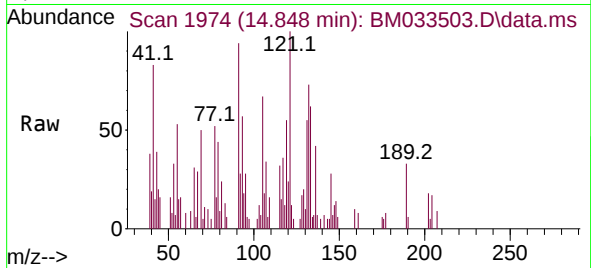




#56
4-Nitrophenol
Concen: 4.076 ng
RT: 14.848 min Scan# 11
Delta R.T. 0.029 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

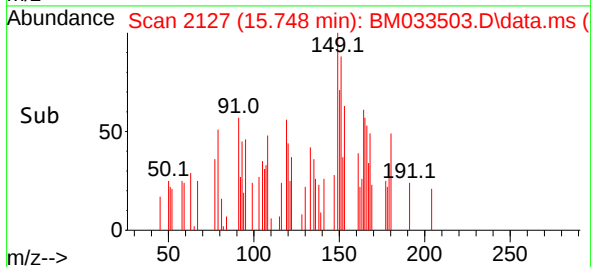
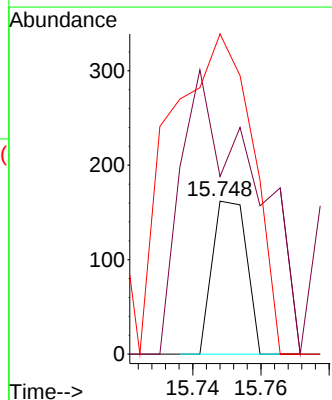
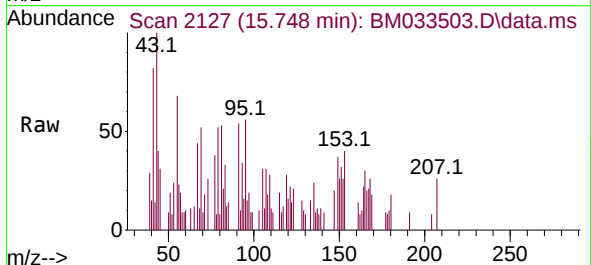
Instrument :
BNA_M
ClientSampleId :

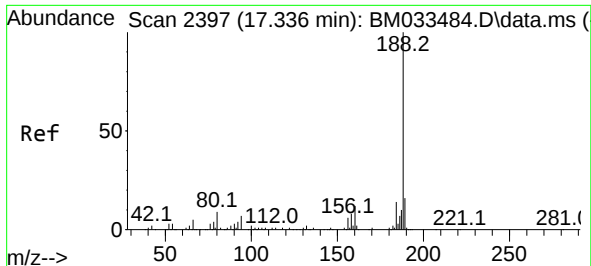
Tgt Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 300.0 75.3 115.3#
65 593.7 107.4 147.4#



#62
4-Nitroaniline
Concen: 2.623 ng
RT: 15.748 min Scan# 2127
Delta R.T. 0.082 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:138 Resp: 113
Ion Ratio Lower Upper
138 100
92 116.0 38.7 78.7#
108 209.3 81.9 121.9#

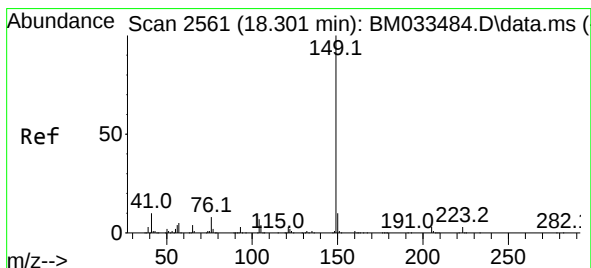
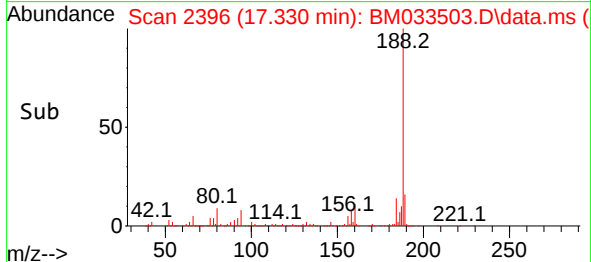
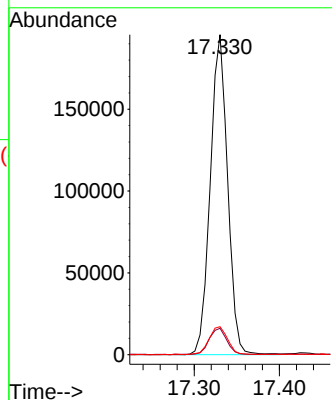
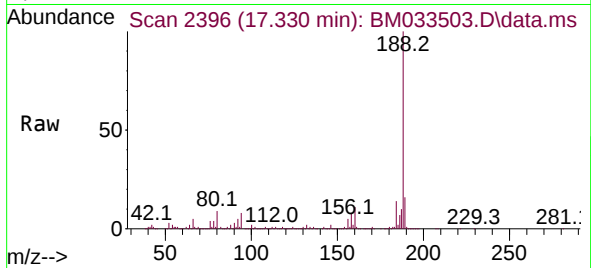




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

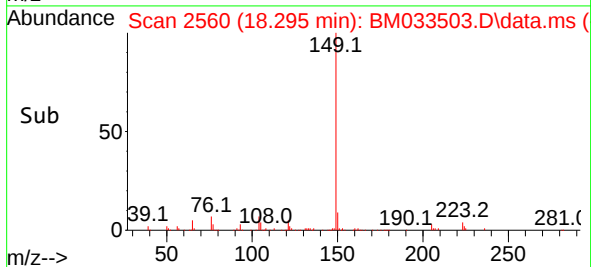
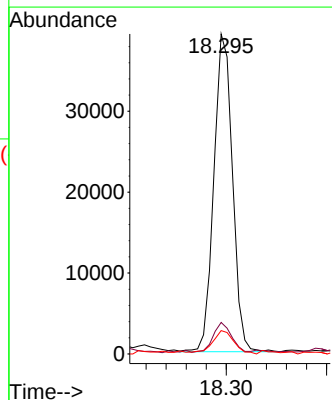
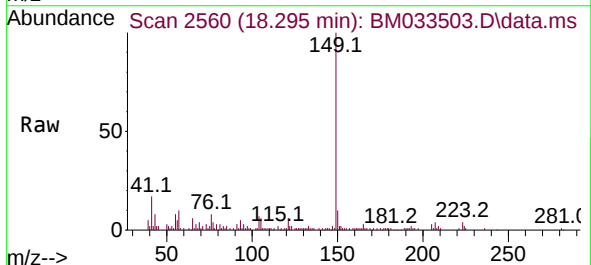
Instrument :
BNA_M
ClientSampleId :

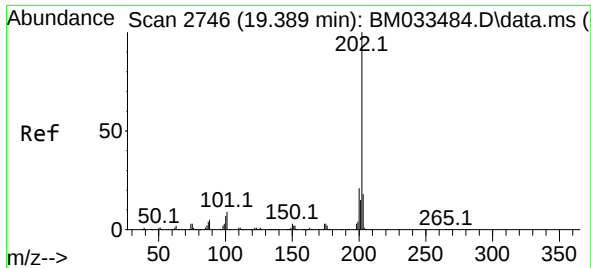
Tgt Ion:188 Resp: 276129
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 8.8 8.9 13.3#



#74
Di-n-butylphthalate
Concen: 2.747 ng
RT: 18.295 min Scan# 2560
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:149 Resp: 50664
Ion Ratio Lower Upper
149 100
150 9.8 7.3 10.9
104 7.3 4.6 6.8#

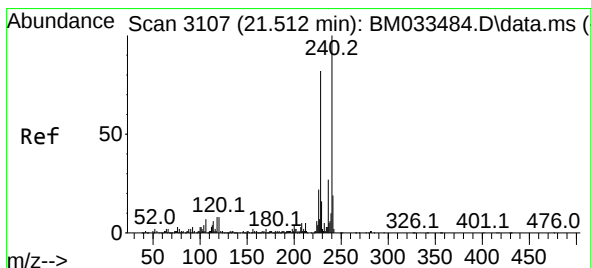
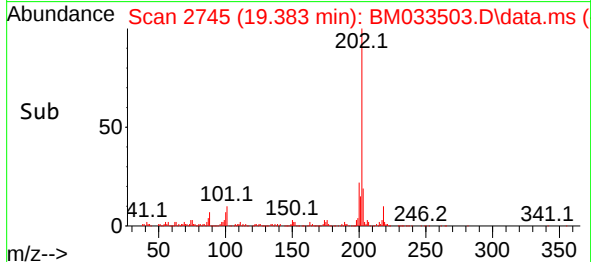
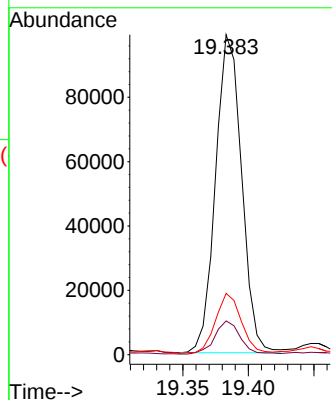
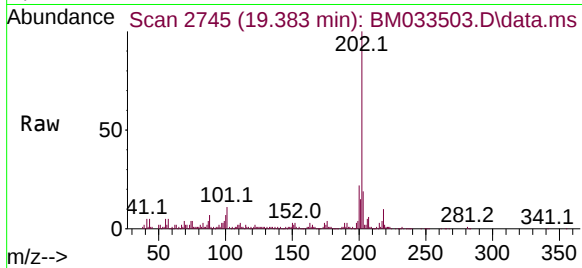




#75
Fluoranthene
Concen: 7.720 ng
RT: 19.383 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

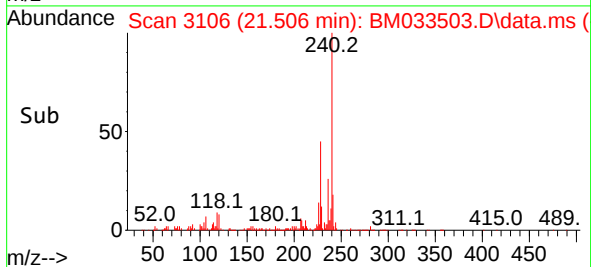
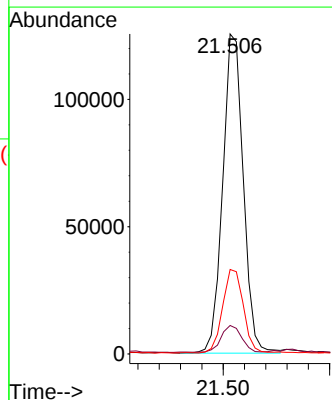
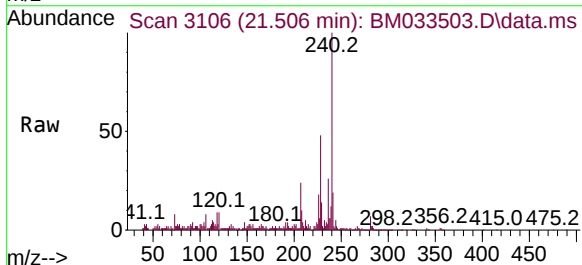
Instrument :
BNA_M
ClientSampleId :

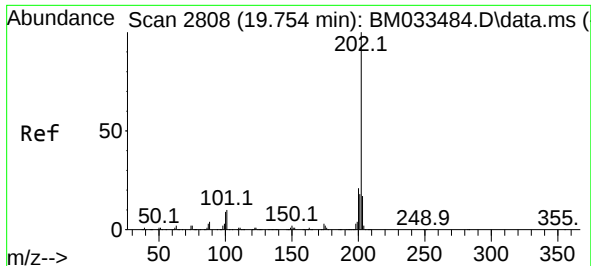
Tgt Ion:202 Resp: 136473
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.8
203 19.2 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.506 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:240 Resp: 167844
Ion Ratio Lower Upper
240 100
120 8.9 7.8 11.6
236 26.4 20.3 30.5

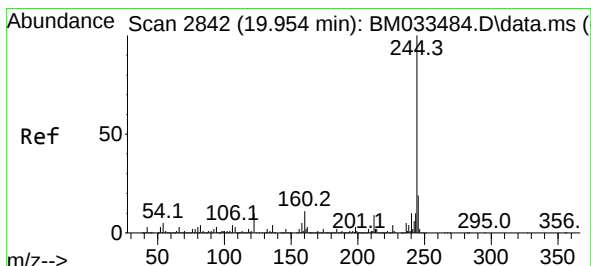
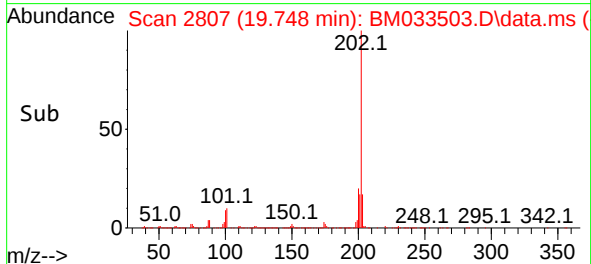
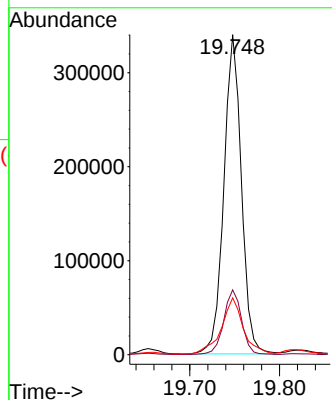
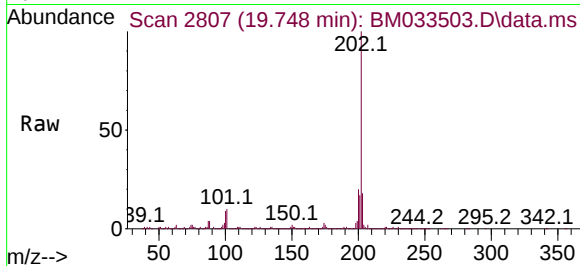




#78
 Pyrene
 Concen: 34.826 ng
 RT: 19.748 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM033503.D
 Acq: 17 Dec 2021 13:09

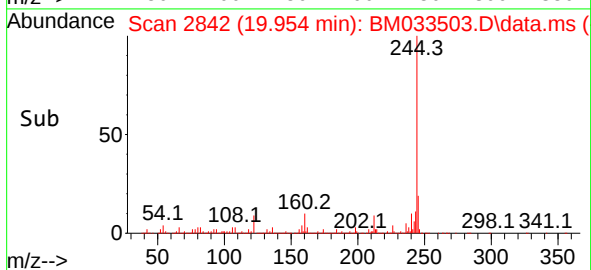
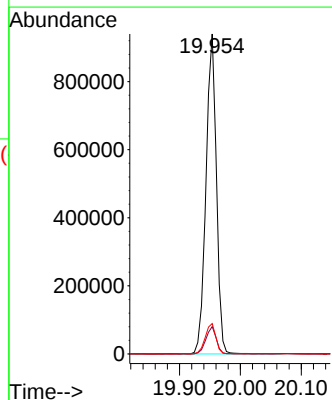
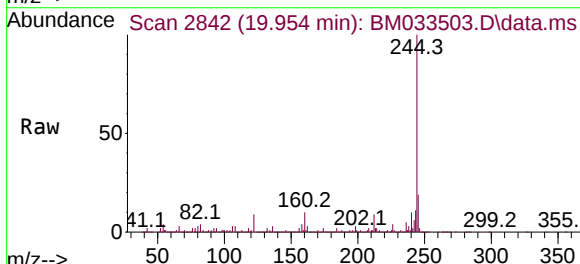
Instrument :
 BNA_M
 ClientSampleId :

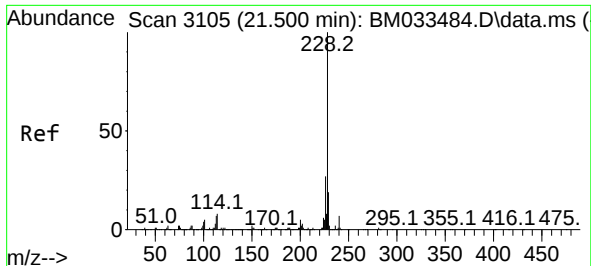
Tgt Ion:202 Resp: 461207
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.4 24.6
 203 17.7 13.5 20.3



#79
 Terphenyl-d14
 Concen: 104.868 ng
 RT: 19.954 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: BM033503.D
 Acq: 17 Dec 2021 13:09

Tgt Ion:244 Resp: 1118027
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.9 8.9
 122 9.5 8.4 12.6

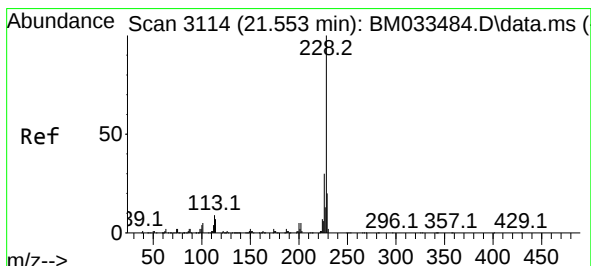
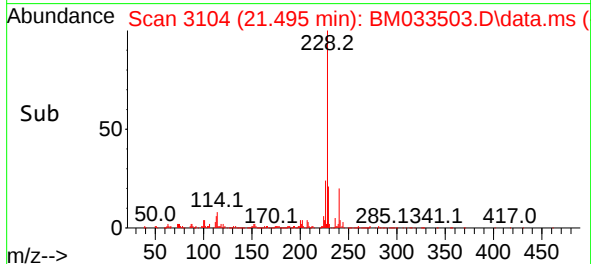
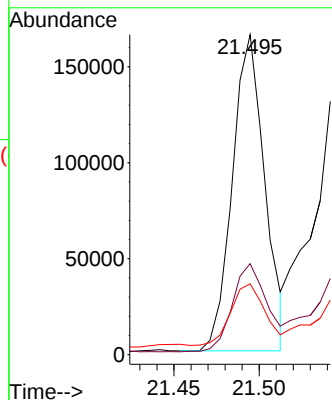
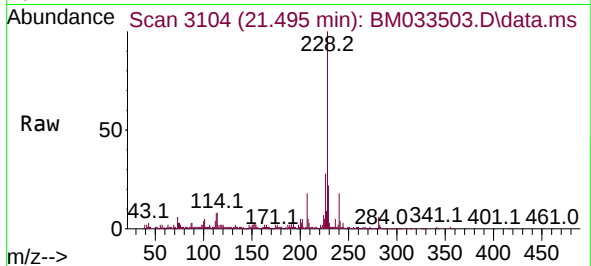




#81
Benzo(a)anthracene
Concen: 19.367 ng
RT: 21.495 min Scan# 3104
Delta R.T. -0.005 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

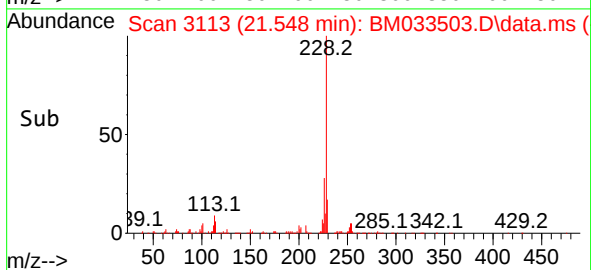
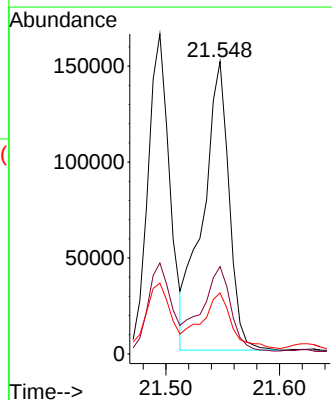
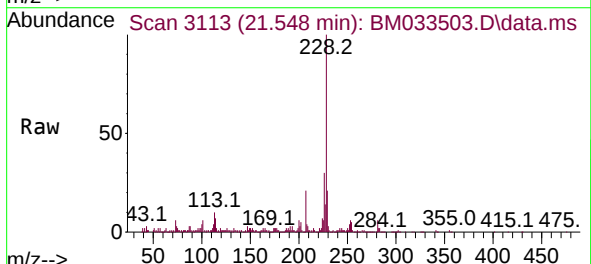
Instrument :
BNA_M
ClientSampleId :

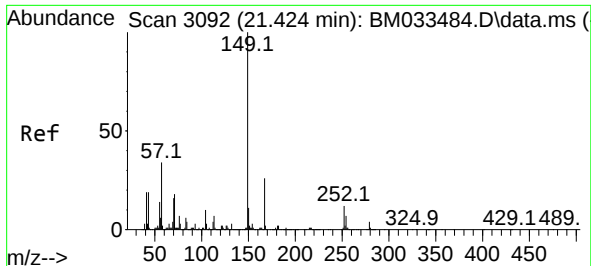
Tgt Ion:228 Resp: 217872
Ion Ratio Lower Upper
228 100
226 28.5 21.0 31.6
229 22.2 15.5 23.3



#83
Chrysene
Concen: 22.309 ng
RT: 21.548 min Scan# 3113
Delta R.T. -0.005 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:228 Resp: 241638
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 20.8 15.8 23.8

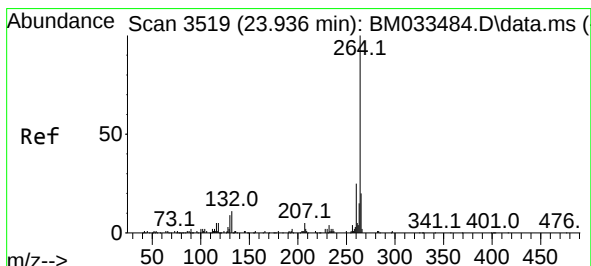
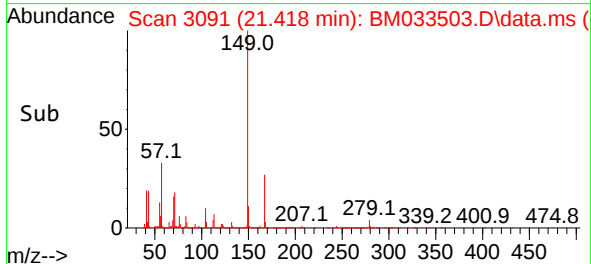
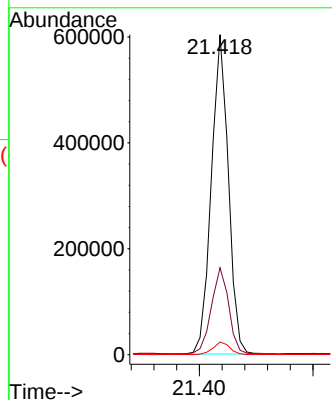
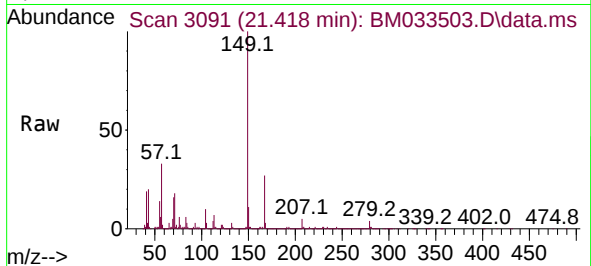




#84
Bis(2-ethylhexyl)phthalate
Concen: 72.306 ng
RT: 21.418 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

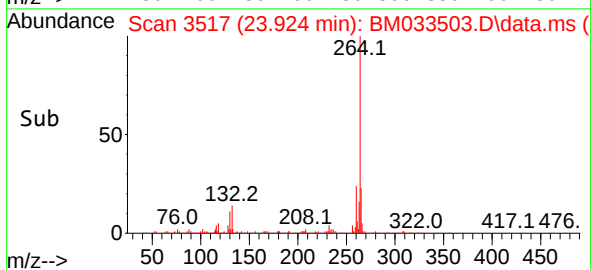
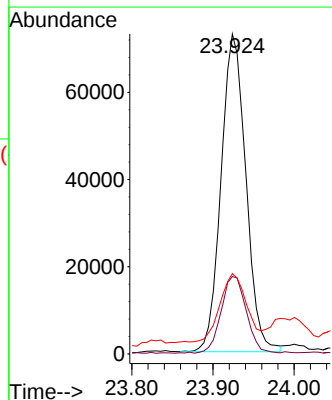
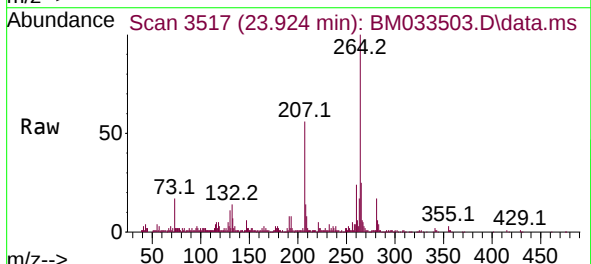
Instrument :
BNA_M
ClientSampleId :

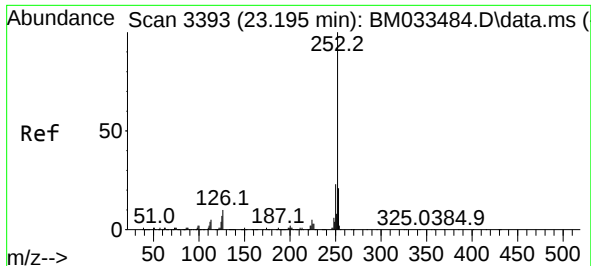
Tgt Ion:149 Resp: 628126
Ion Ratio Lower Upper
149 100
167 27.2 21.4 32.0
279 4.0 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.924 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:264 Resp: 154826
Ion Ratio Lower Upper
264 100
260 24.2 17.7 26.5
265 25.1 17.7 26.5

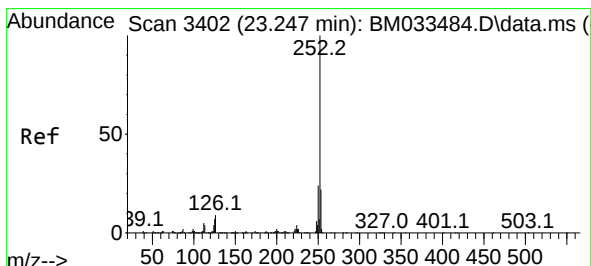
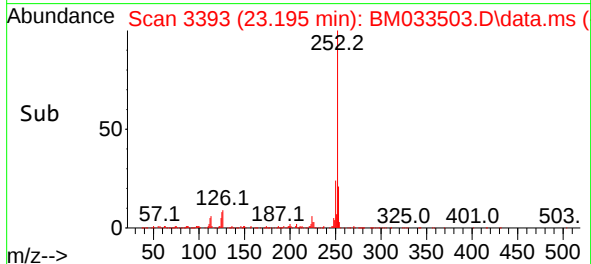
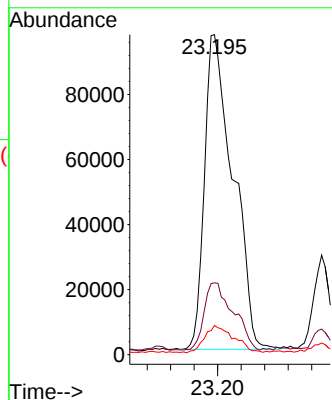
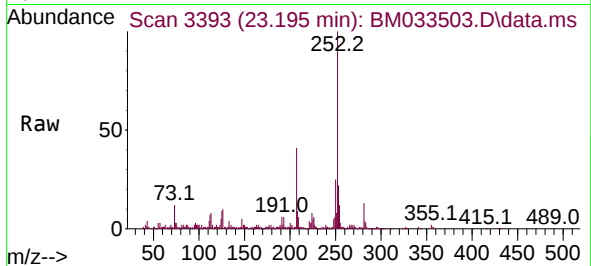




#88
Benzo(b)fluoranthene
Concen: 32.885 ng
RT: 23.195 min Scan# 3393
Delta R.T. -0.000 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

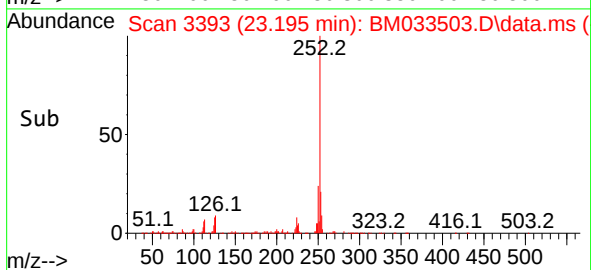
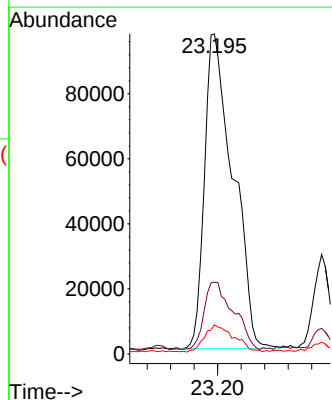
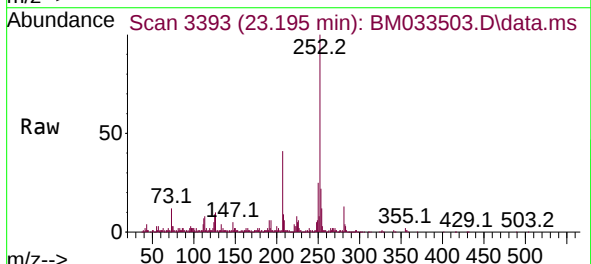
Instrument :
BNA_M
ClientSampleId :

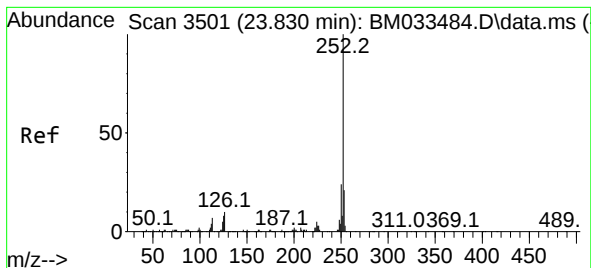
Tgt Ion:252 Resp: 326485
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 9.1 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 32.511 ng
RT: 23.195 min Scan# 3393
Delta R.T. -0.052 min
Lab File: BM033503.D
Acq: 17 Dec 2021 13:09

Tgt Ion:252 Resp: 326485
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 9.1 8.1 12.1





#90

Benzo(a)pyrene

Concen: 38.630 ng

RT: 23.818 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM033503.D

Acq: 17 Dec 2021 13:09

Instrument :

BNA_M

ClientSampleId :

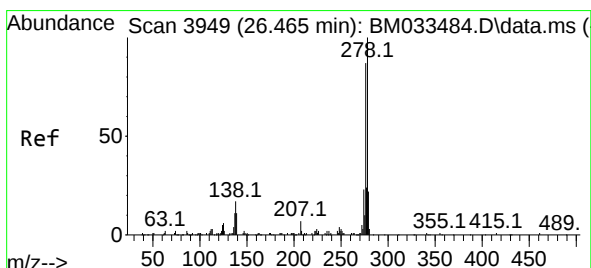
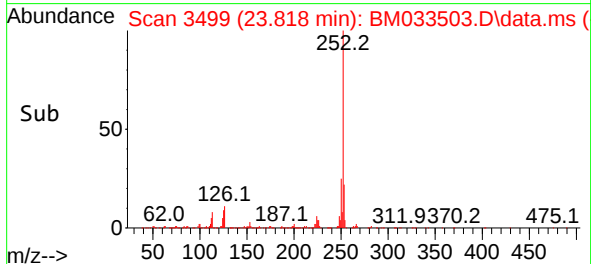
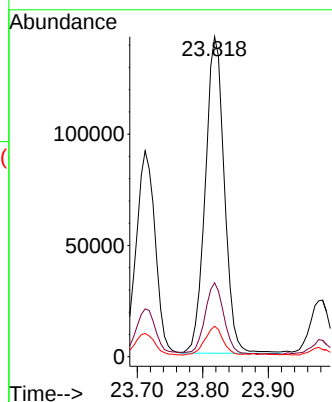
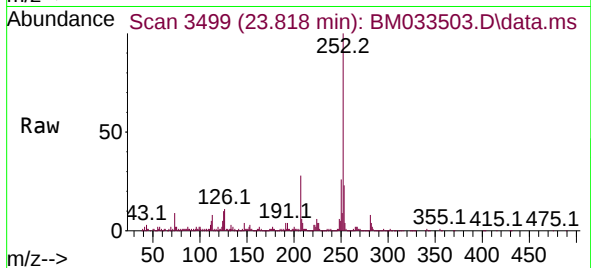
Tgt Ion:252 Resp: 287005

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 9.5 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 8.101 ng

RT: 26.441 min Scan# 3945

Delta R.T. -0.024 min

Lab File: BM033503.D

Acq: 17 Dec 2021 13:09

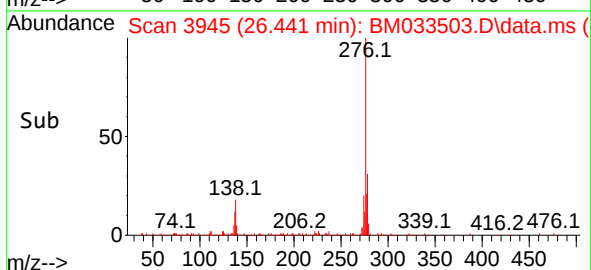
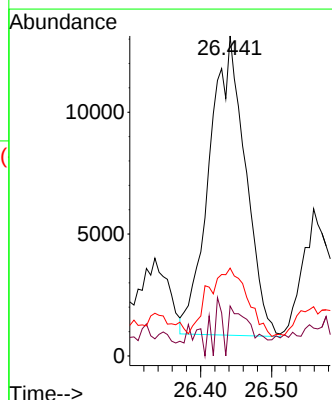
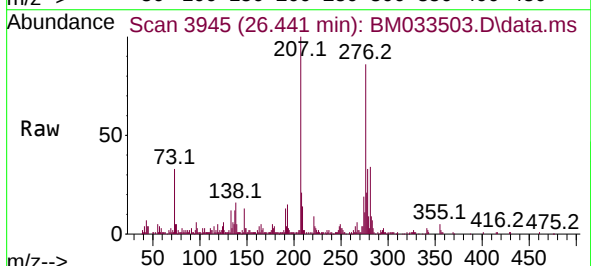
Tgt Ion:278 Resp: 43373

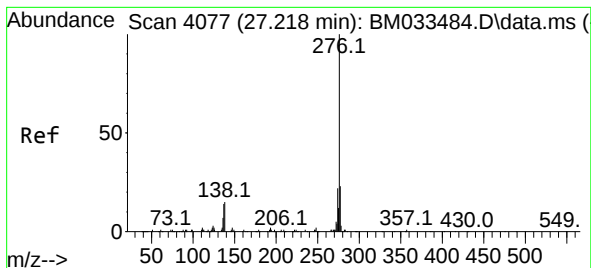
Ion Ratio Lower Upper

278 100

139 15.6 10.9 16.3

279 27.5 17.7 26.5#





#92

Benzo(g,h,i)perylene

Concen: 21.528 ng

RT: 27.206 min Scan# 4075

Delta R.T. -0.012 min

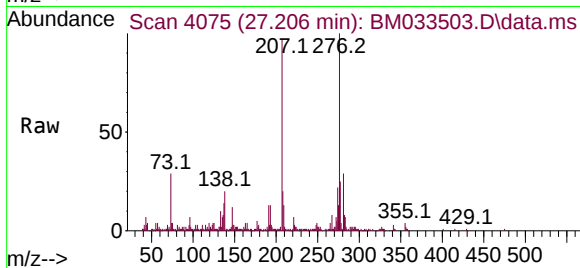
Lab File: BM033503.D

Acq: 17 Dec 2021 13:09

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 148224

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 19.8 14.8 22.2

