

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033504.D
 Acq On : 17 Dec 2021 13:45
 Operator : CG/JU
 Sample : M5083-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BB1

Quant Time: Dec 17 14:16:07 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	7.937	152	58251	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	248265	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	164840	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	313494	20.000	ng	# 0.00
76) Chrysene-d12	21.506	240	174939	20.000	ng	0.00
86) Perylene-d12	23.924	264	162879	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	353379	104.680	ng	0.00
7) Phenol-d6	7.107	99	485884	107.251	ng	0.00
23) Nitrobenzene-d5	9.107	82	373322	64.566	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	167671	90.424	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	701560	58.874	ng	0.00
79) Terphenyl-d14	19.953	244	726606	65.390	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.384	88	299	Below Cal	#	1
9) Benzaldehyde	7.101	77	2332	Below Cal	#	26
10) Phenol	7.131	94	21698	4.741	ng	82
20) 3+4-Methylphenols	8.854	107	100939	23.264	ng	# 47
32) Benzoic acid	10.025	122	833	3.307	ng	# 72
56) 4-Nitrophenol	14.783	139	54	4.029	ng	# 1
71) Phenanthrene	17.371	178	104367	5.982	ng	99
74) Di-n-butylphthalate	18.295	149	42739	2.041	ng	# 96
75) Fluoranthene	19.383	202	210627	10.494	ng	98
77) Benzidine	19.589	184	2624	3.208	ng	# 58
78) Pyrene	19.747	202	177085	12.830	ng	98
81) Benzo(a)anthracene	21.494	228	78579	6.702	ng	95
83) Chrysene	21.494	228	78579	6.960	ng	98
84) Bis(2-ethylhexyl)phtha...	21.418	149	83578	9.231	ng	100
87) Indeno(1,2,3-cd)pyrene	26.424	276	42941	5.718	ng	# 94
88) Benzo(b)fluoranthene	23.188	252	130404	12.485	ng	# 92
89) Benzo(k)fluoranthene	23.188	252	130404	12.344	ng	# 94
90) Benzo(a)pyrene	23.812	252	61018	7.807	ng	# 91
91) Dibenzo(a,h)anthracene	26.441	278	14112	2.505	ng	# 80
92) Benzo(g,h,i)perylene	27.194	276	43520	6.008	ng	93

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

BNA M

ClientSampleId :

BB1

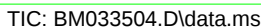
Quant Time: Dec 17 14:16:07 2021

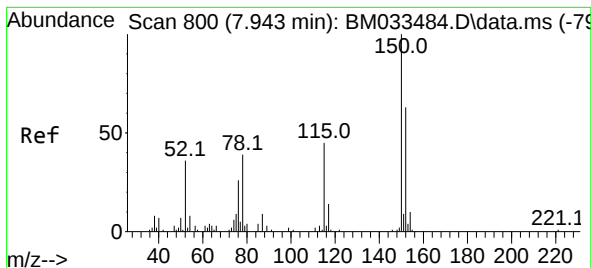
Quant Method : Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM121621.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Dec 16 17:10:15 2021

Response via : Initial Calibration

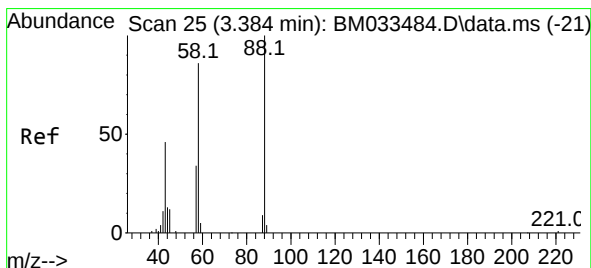
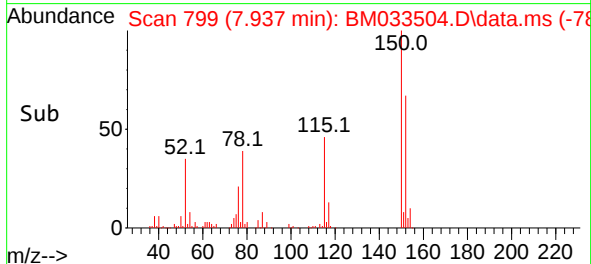
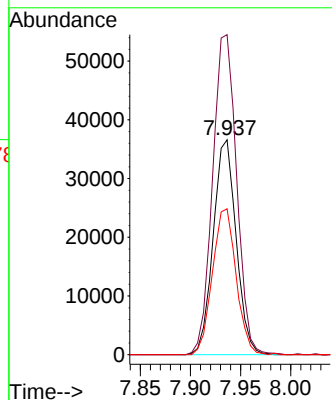
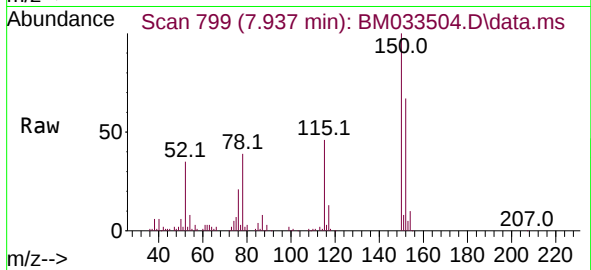




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM033504.D
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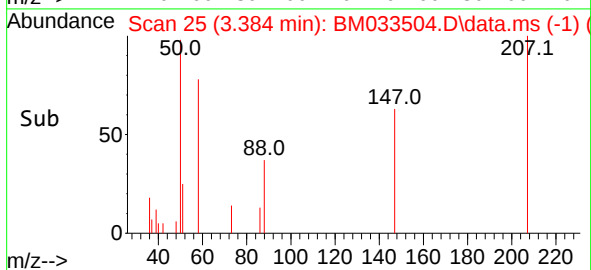
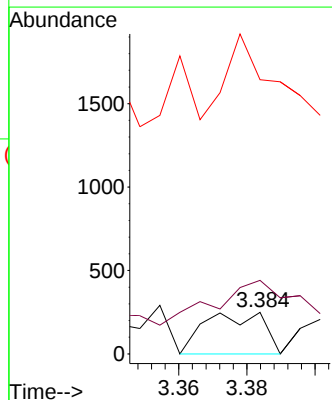
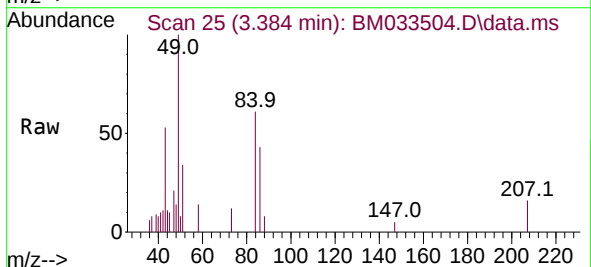
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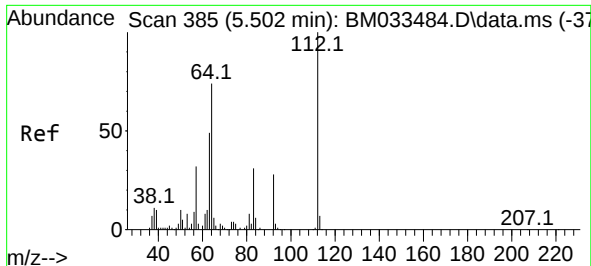
Tgt Ion:152 Resp: 58251
Ion Ratio Lower Upper
152 100
150 148.9 128.9 193.3
115 67.9 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.384 min Scan# 25
Delta R.T. -0.000 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
58 193.0 67.0 100.4#
43 164.9 31.6 47.4#

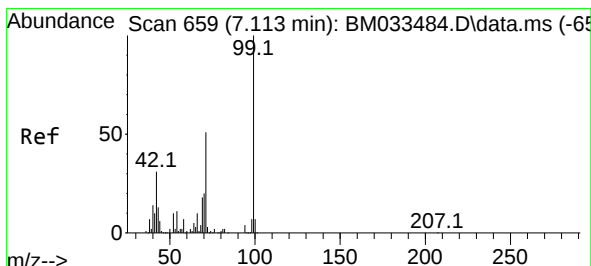
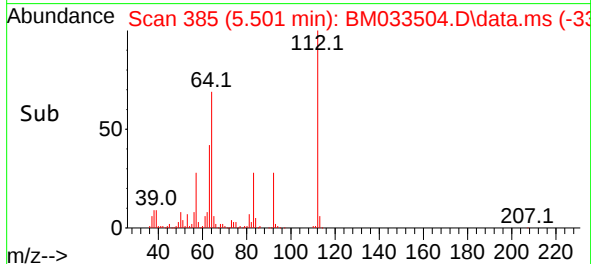
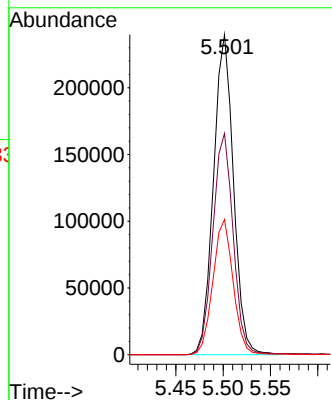
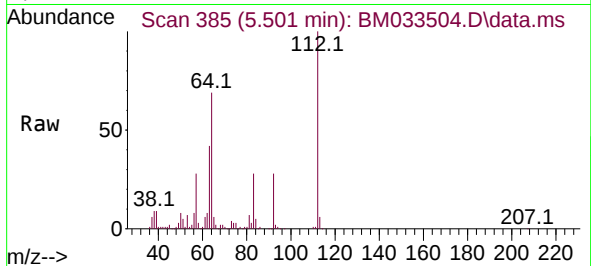




#5
2-Fluorophenol
Concen: 104.680 ng
RT: 5.501 min Scan# 31
Delta R.T. -0.001 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

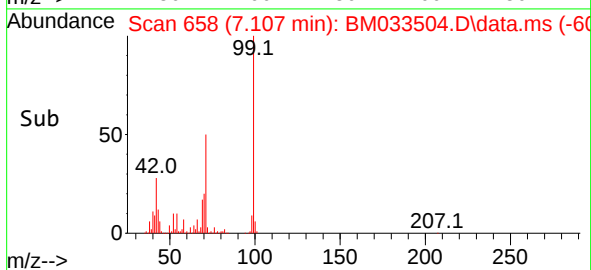
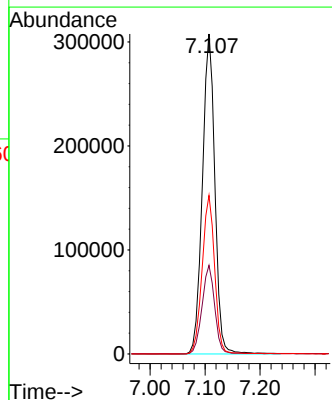
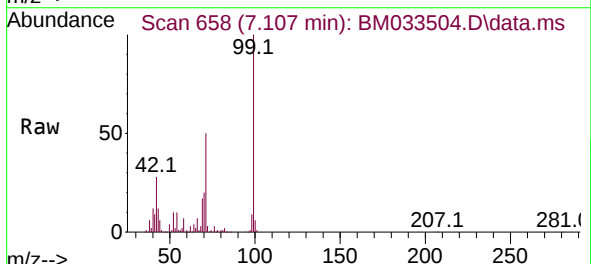
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ClientSampleId :
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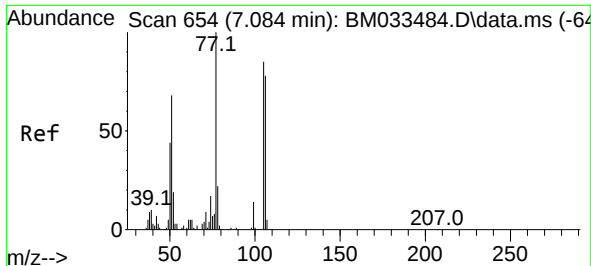
Tgt Ion:112 Resp: 353379
Ion Ratio Lower Upper
112 100
64 69.1 55.5 83.3
63 42.2 31.3 46.9



#7
Phenol-d6
Concen: 107.251 ng
RT: 7.107 min Scan# 658
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion: 99 Resp: 485884
Ion Ratio Lower Upper
99 100
42 27.7 20.3 30.5
71 49.5 34.5 51.7

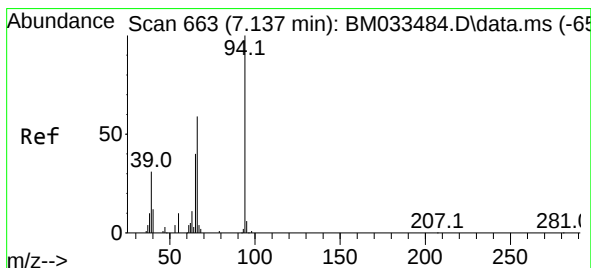
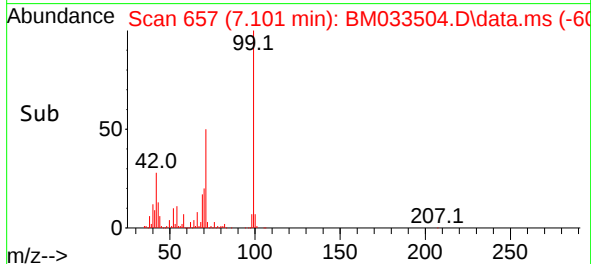
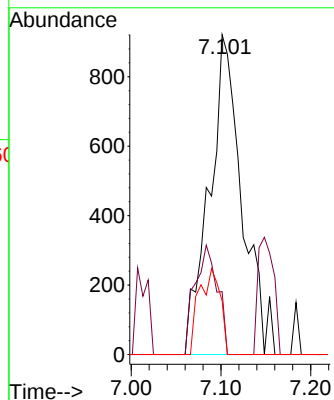
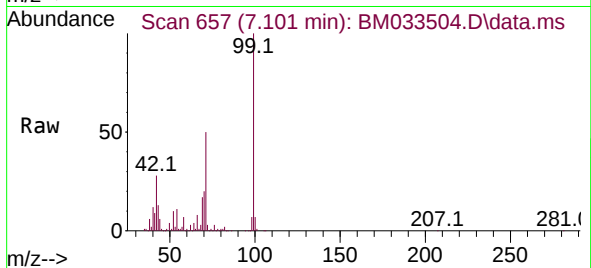




#9
Benzaldehyde
Concen: Below Cal
RT: 7.101 min Scan# 61
Delta R.T. 0.017 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

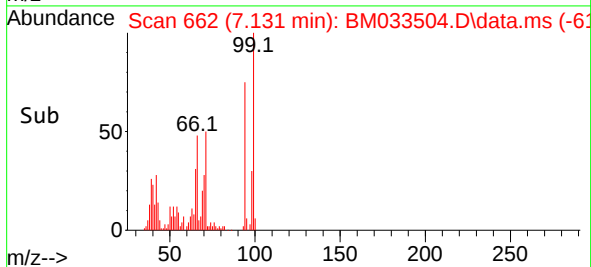
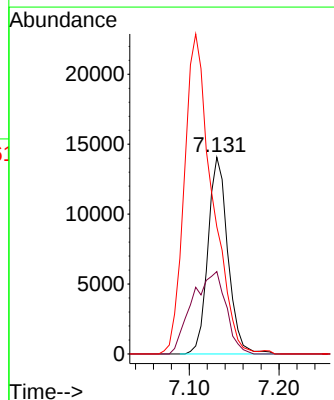
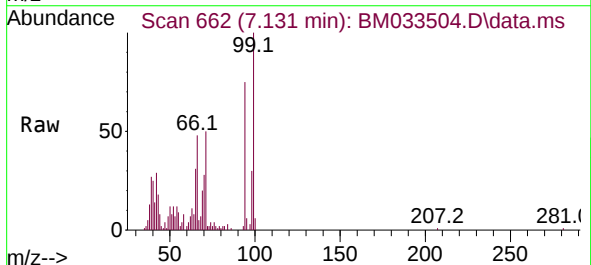
Instrument :
BNA_M
ClientSampleId :
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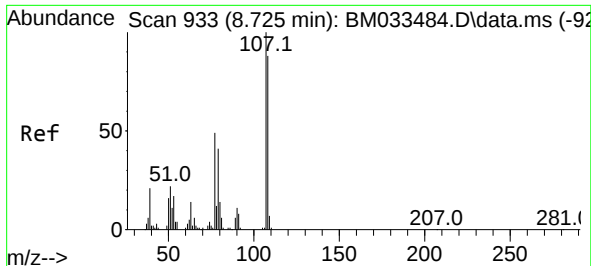
Tgt Ion: 77 Resp: 2332
Ion Ratio Lower Upper
77 100
105 19.7 67.1 107.1#
106 16.8 64.3 104.3#



#10
Phenol
Concen: 4.741 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion: 94 Resp: 21698
Ion Ratio Lower Upper
94 100
65 41.9 15.5 55.5
66 64.6 28.5 68.5

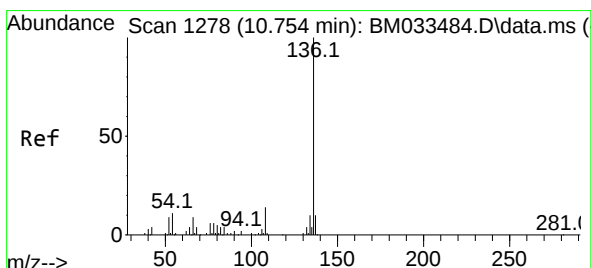
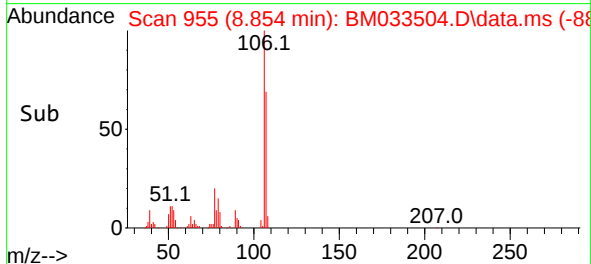
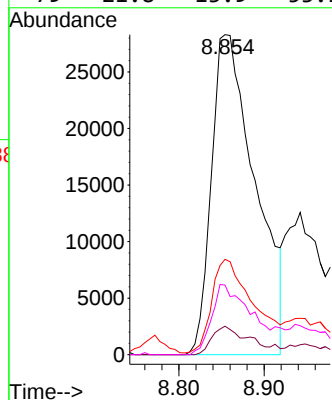
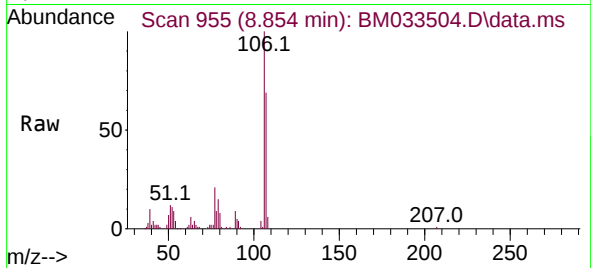




#20
3+4-Methylphenols
Concen: 23.264 ng
RT: 8.854 min Scan# 91
Delta R.T. 0.129 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

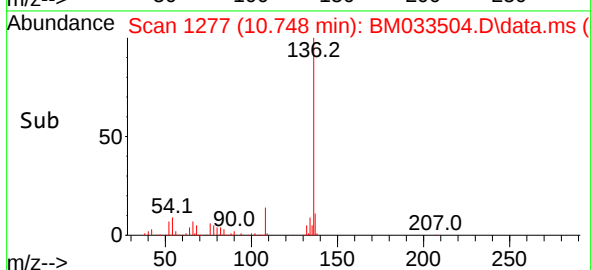
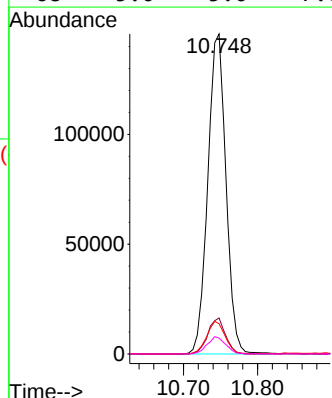
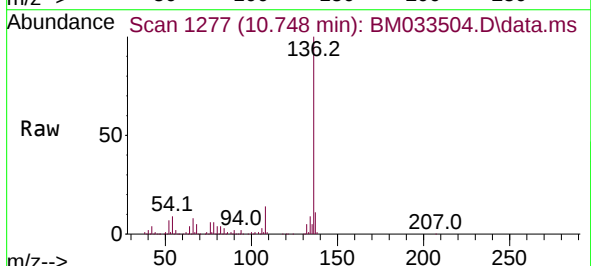
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ClientSampleId :
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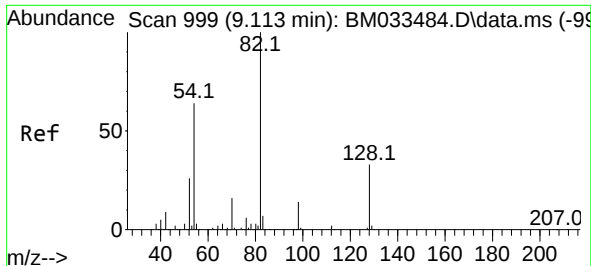
Tgt Ion:107 Resp: 100939
Ion Ratio Lower Upper
107 100
108 8.9 64.2 104.2#
77 29.8 22.7 62.7
79 21.8 13.9 53.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:136 Resp: 248265
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.5 8.3 12.5
68 5.0 5.0 7.6#

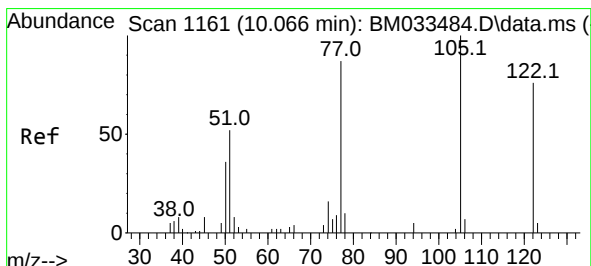
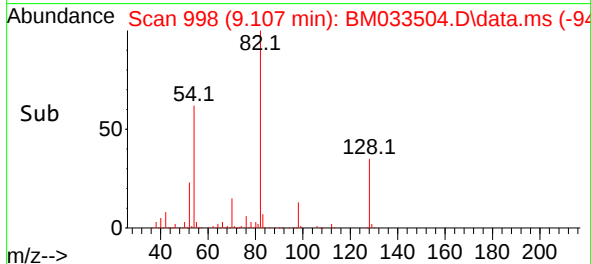
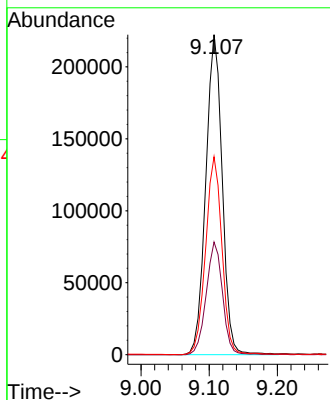
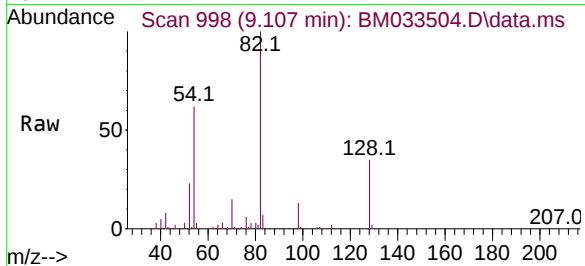




#23
Nitrobenzene-d5
Concen: 64.566 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

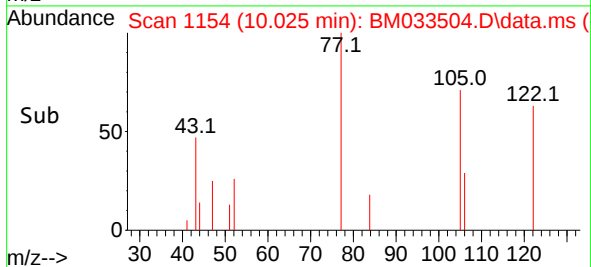
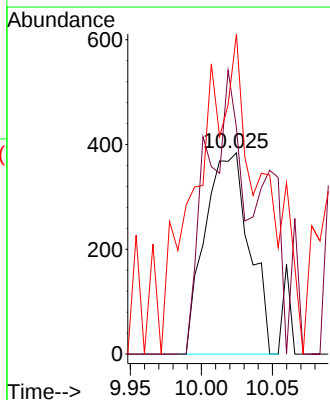
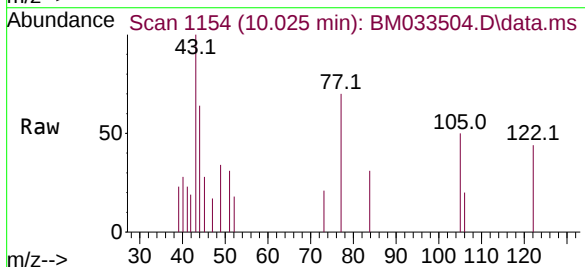
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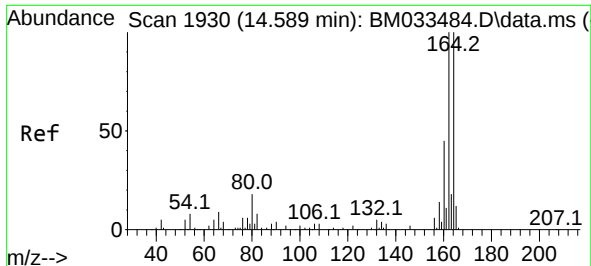
Tgt Ion: 82 Resp: 373322
Ion Ratio Lower Upper
82 100
128 35.2 28.1 42.1
54 61.9 46.1 69.1



#32
Benzoic acid
Concen: 3.307 ng
RT: 10.025 min Scan# 1154
Delta R.T. -0.041 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion: 122 Resp: 833
Ion Ratio Lower Upper
122 100
105 112.5 119.6 159.6#
77 159.1 101.0 141.0#

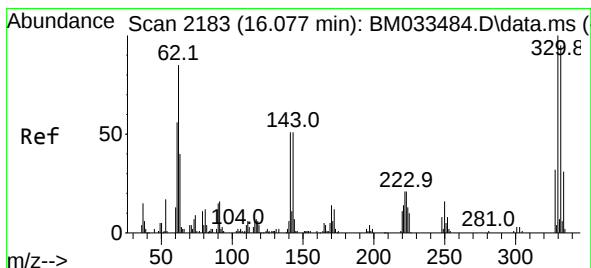
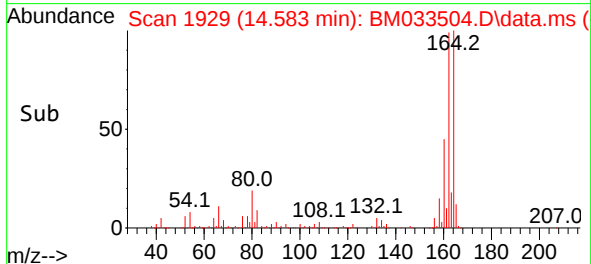
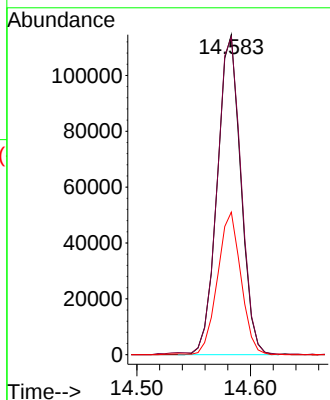
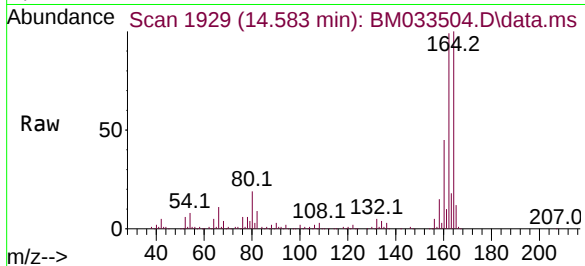




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

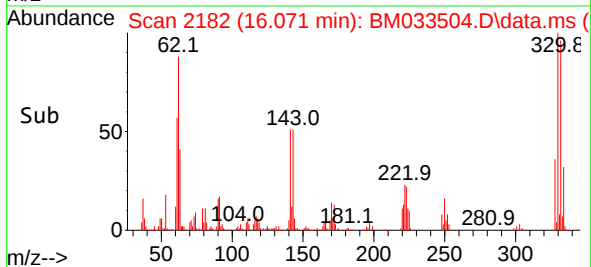
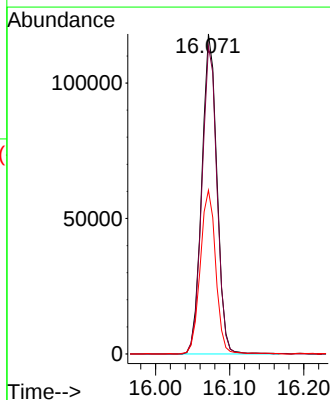
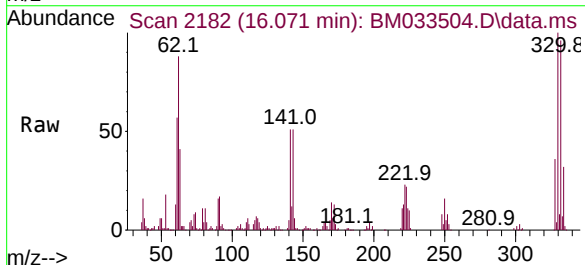
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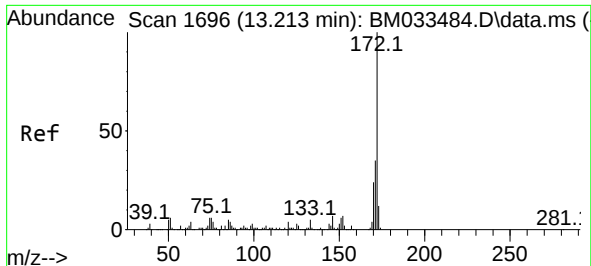
Tgt Ion:164 Resp: 164840
Ion Ratio Lower Upper
164 100
162 99.3 79.7 119.5
160 44.6 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 90.424 ng
RT: 16.071 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:330 Resp: 167671
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 52.1 35.9 53.9

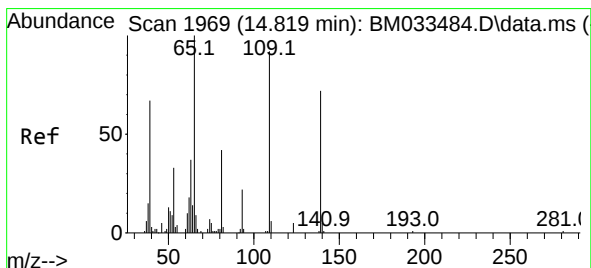
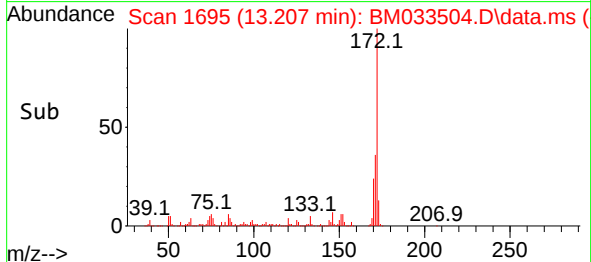
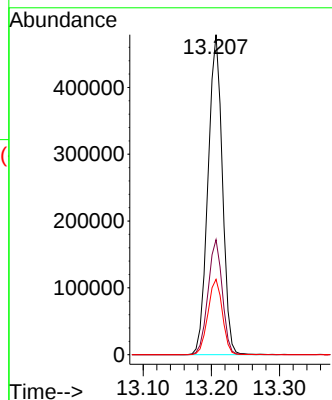
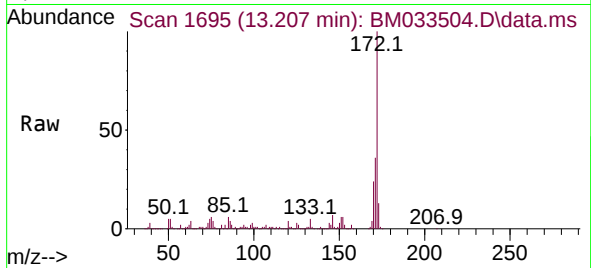




#45
2-Fluorobiphenyl
Concen: 58.874 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

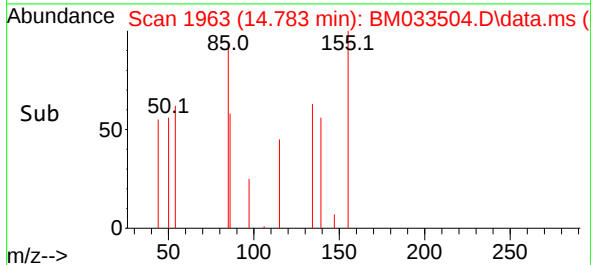
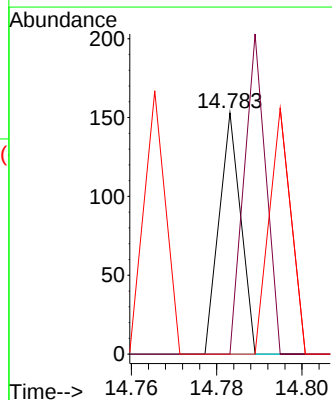
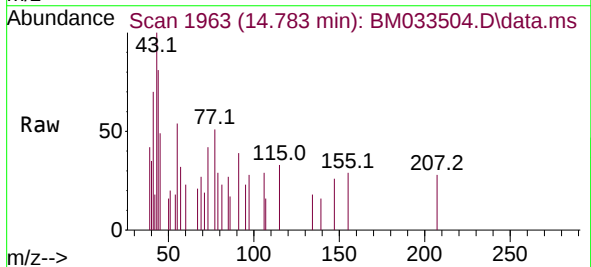
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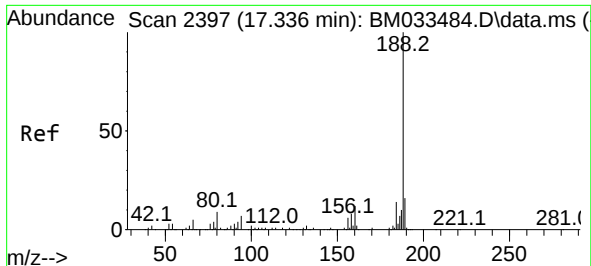
Tgt Ion:172 Resp: 701560
Ion Ratio Lower Upper
172 100
171 35.9 27.2 40.8
170 23.5 18.7 28.1



#56
4-Nitrophenol
Concen: 4.029 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.036 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 75.3 115.3#
65 0.0 107.4 147.4#

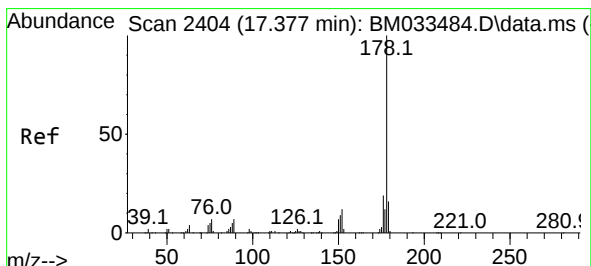
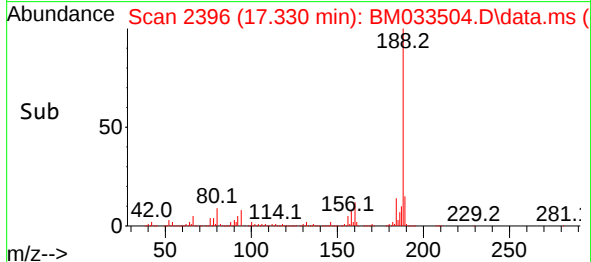
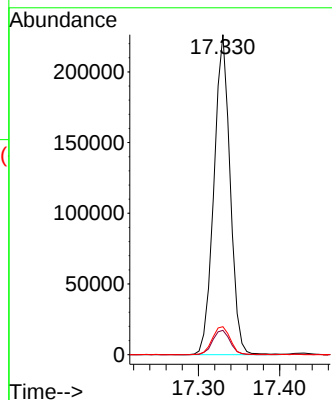
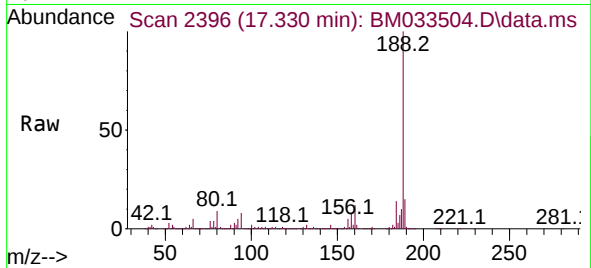




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

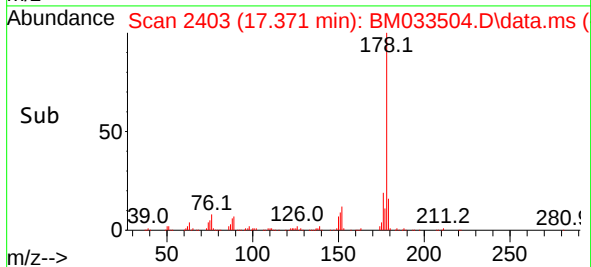
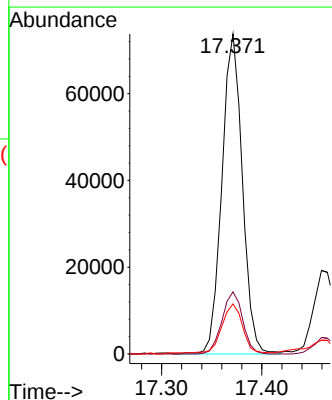
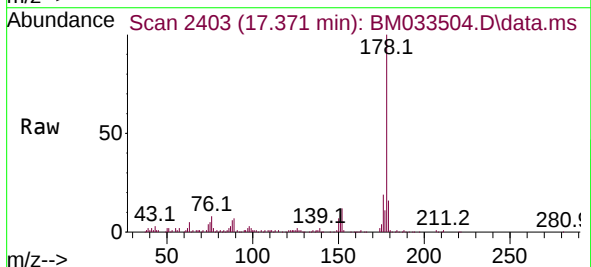
Instrument :
BNA_M
ClientSampleId :
BB1

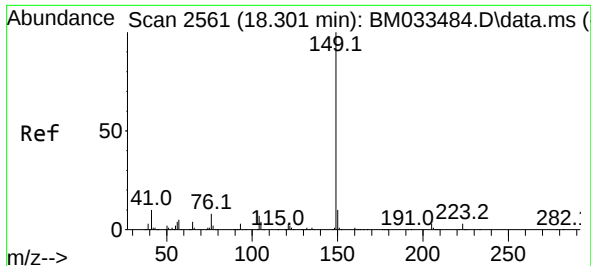
Tgt Ion:188 Resp: 313494
Ion Ratio Lower Upper
188 100
94 7.6 7.5 11.3
80 8.7 8.9 13.3#



#71
Phenanthrene
Concen: 5.982 ng
RT: 17.371 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:178 Resp: 104367
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.7 12.0 18.0

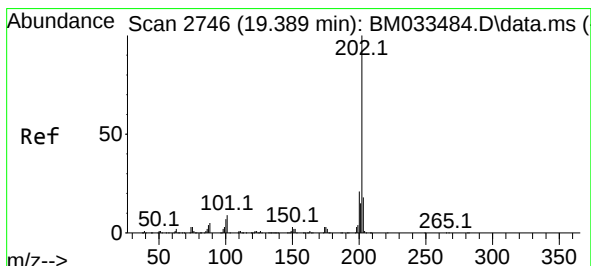
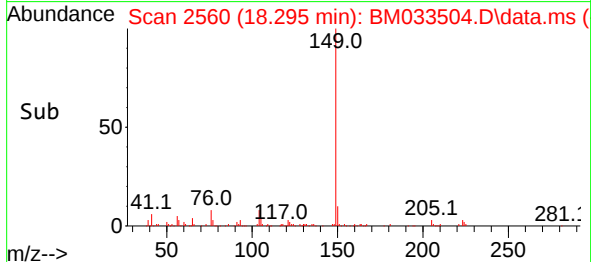
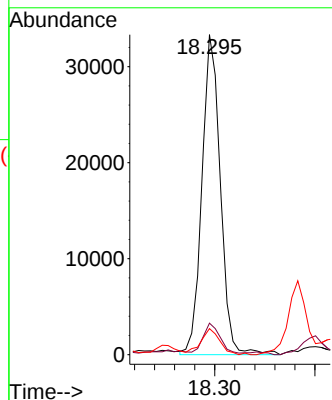
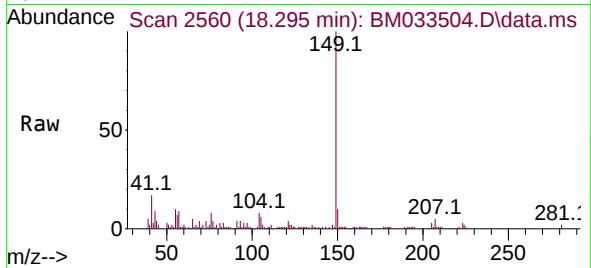




#74
Di-n-butylphthalate
Concen: 2.041 ng
RT: 18.295 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

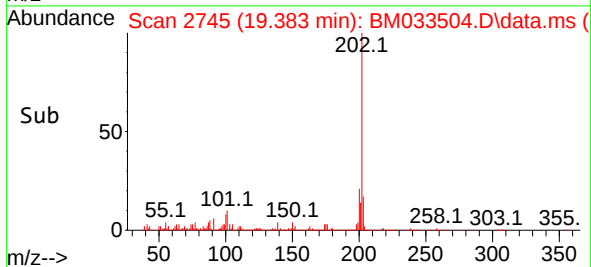
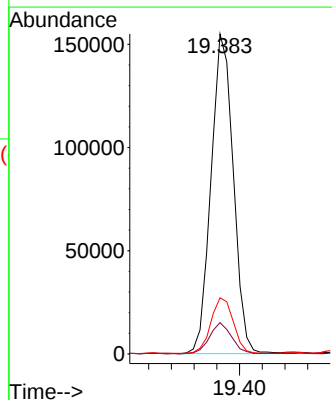
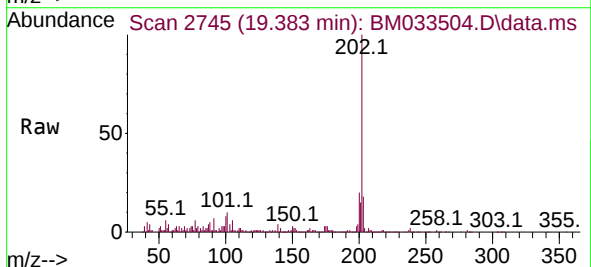
Instrument :
BNA_M
ClientSampleId :
BB1

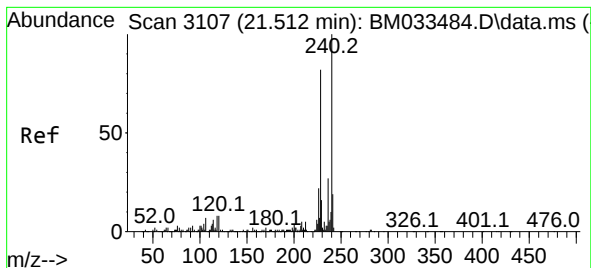
Tgt Ion:149 Resp: 42739
Ion Ratio Lower Upper
149 100
150 9.8 7.3 10.9
104 8.1 4.6 6.8#



#75
Fluoranthene
Concen: 10.494 ng
RT: 19.383 min Scan# 2745
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:202 Resp: 210627
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.8
203 17.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.506 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

Instrument :

BNA_M

ClientSampleId :

BB1

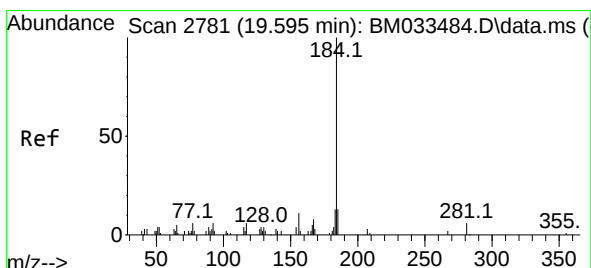
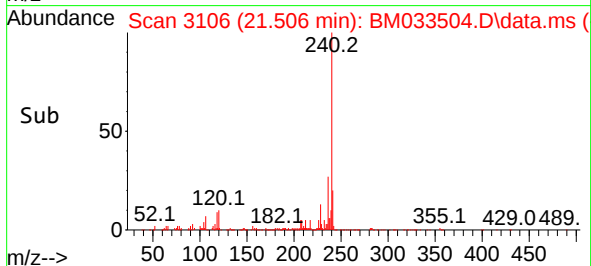
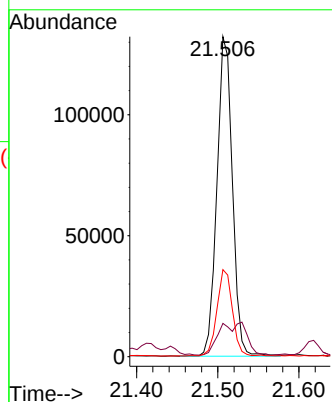
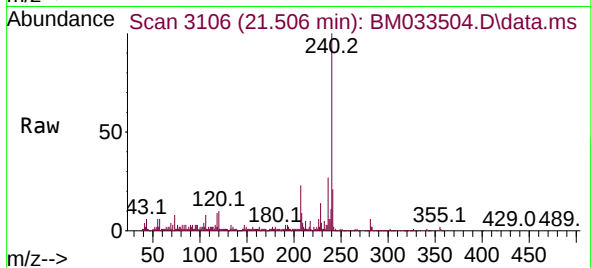
Tgt Ion:240 Resp: 174939

Ion Ratio Lower Upper

240 100

120 10.4 7.8 11.6

236 27.2 20.3 30.5



#77

Benzidine

Concen: 3.208 ng

RT: 19.589 min Scan# 2780

Delta R.T. -0.006 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

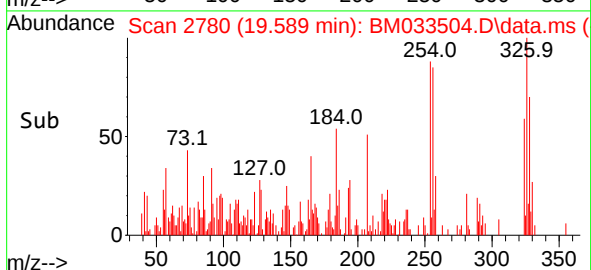
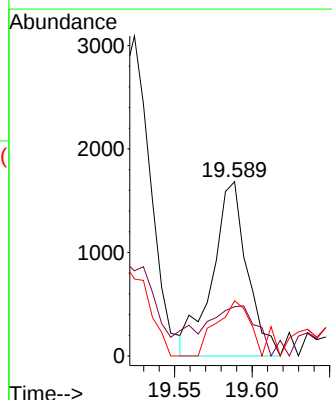
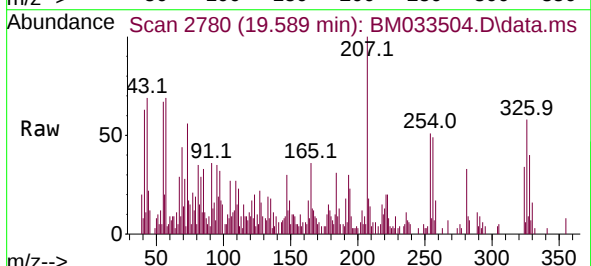
Tgt Ion:184 Resp: 2624

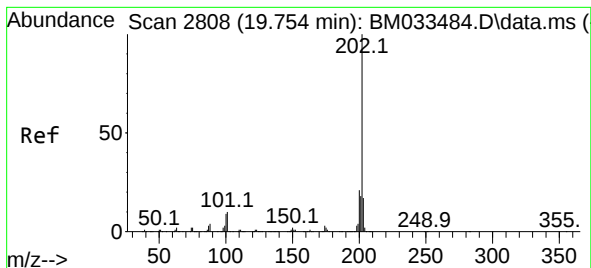
Ion Ratio Lower Upper

184 100

185 28.3 11.4 17.0#

183 31.7 9.7 14.5#





#78

Pyrene

Concen: 12.830 ng

RT: 19.747 min Scan# 2

Delta R.T. -0.007 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

Instrument :

BNA_M

ClientSampleId :

BB1

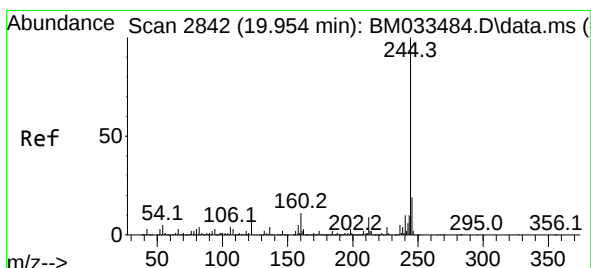
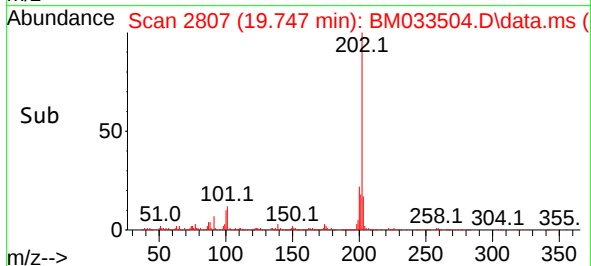
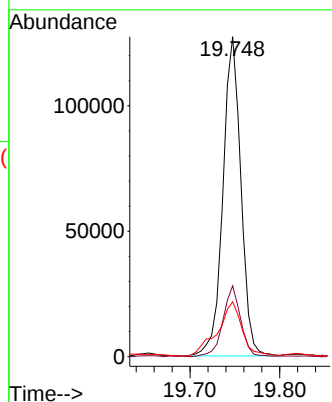
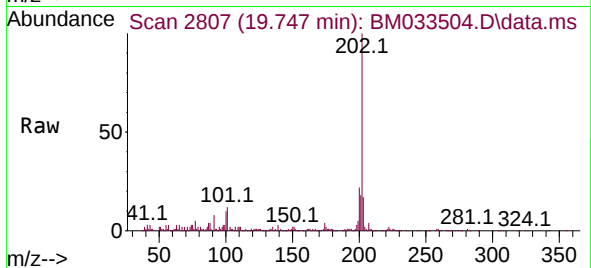
Tgt Ion:202 Resp: 177085

Ion Ratio Lower Upper

202 100

200 22.1 16.4 24.6

203 17.2 13.5 20.3



#79

Terphenyl-d14

Concen: 65.390 ng

RT: 19.953 min Scan# 2842

Delta R.T. -0.001 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

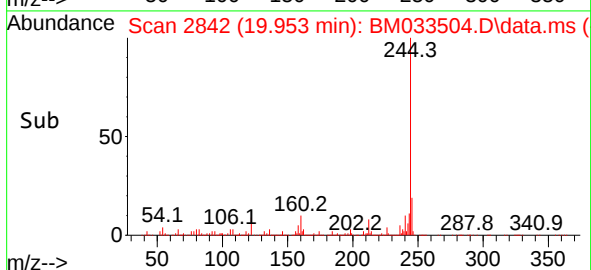
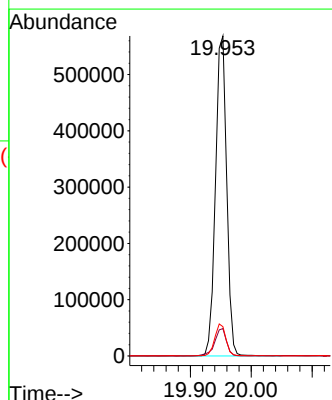
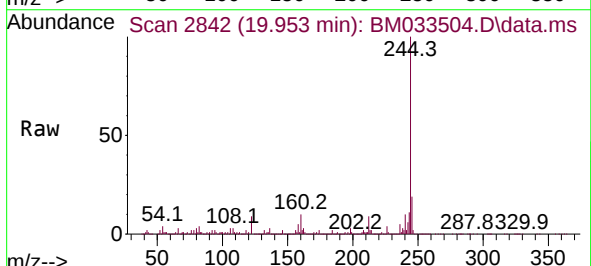
Tgt Ion:244 Resp: 726606

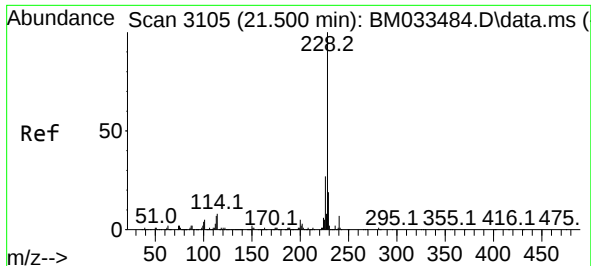
Ion Ratio Lower Upper

244 100

212 8.6 5.9 8.9

122 9.2 8.4 12.6

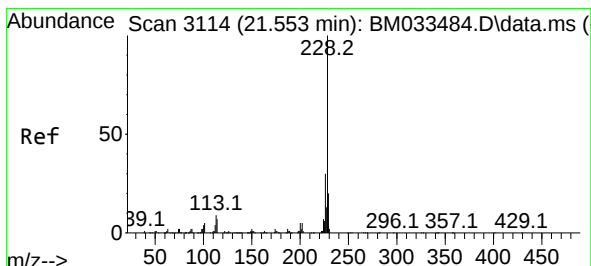
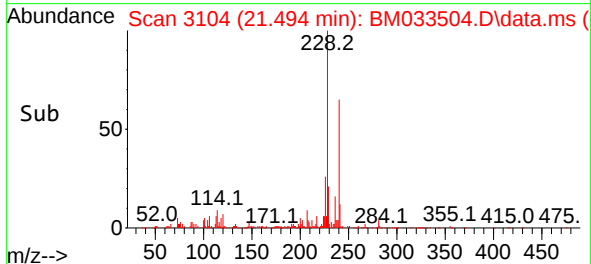
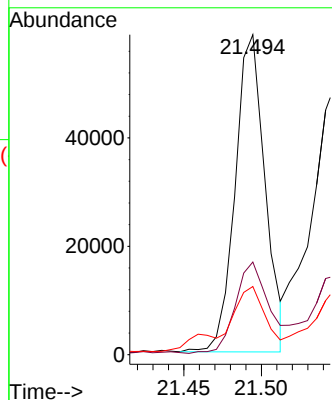
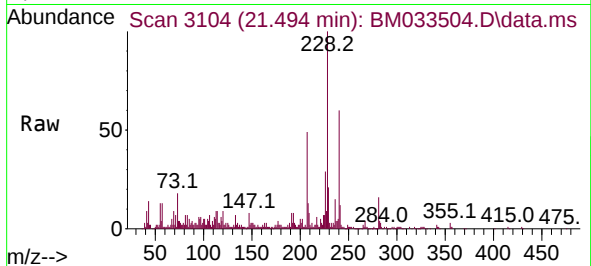




#81
Benzo(a)anthracene
Concen: 6.702 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

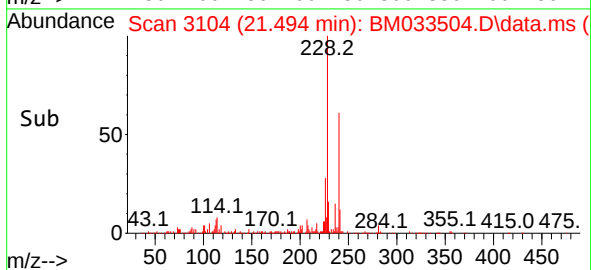
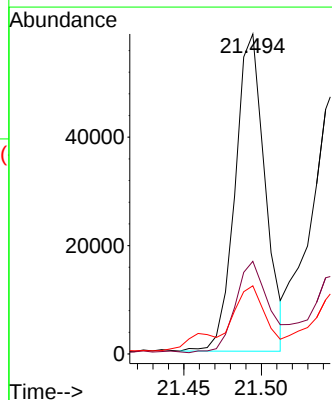
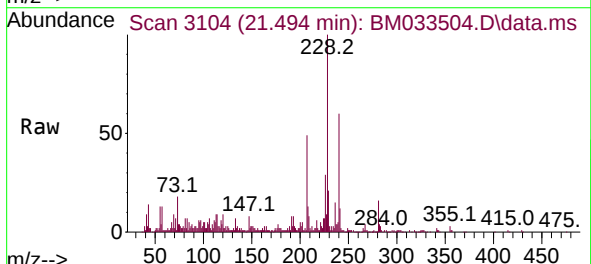
Instrument :
BNA_M
ClientSampleId :
BB1

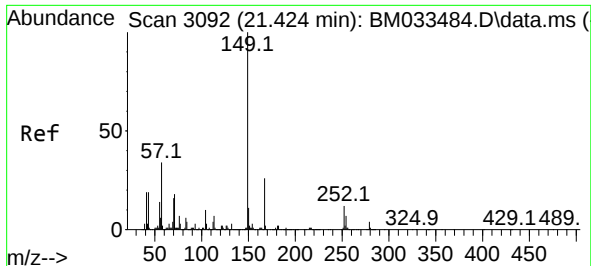
Tgt Ion:228 Resp: 78579
Ion Ratio Lower Upper
228 100
226 29.0 21.0 31.6
229 21.3 15.5 23.3



#83
Chrysene
Concen: 6.960 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.059 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:228 Resp: 78579
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.8
229 21.3 15.8 23.8

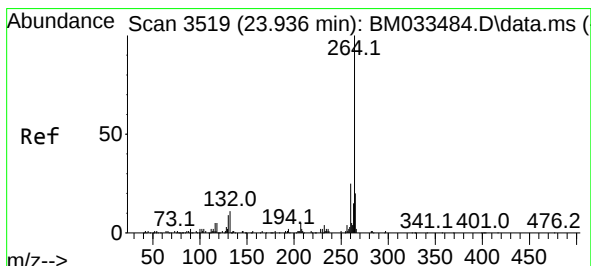
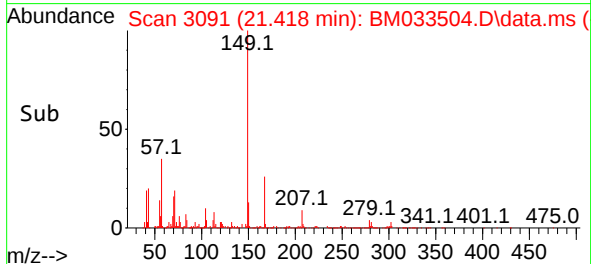
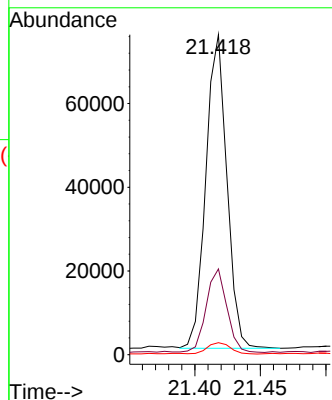
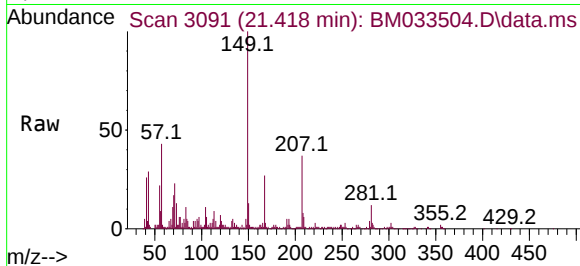




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.231 ng
RT: 21.418 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

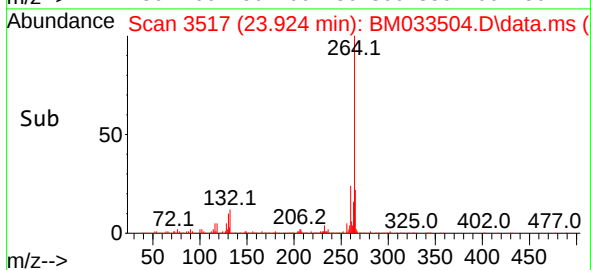
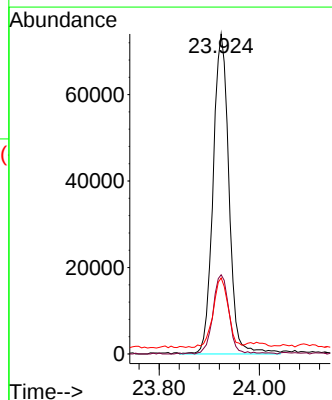
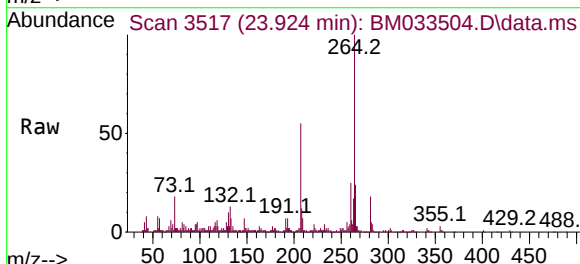
Instrument :
BNA_M
ClientSampleId :
BB1

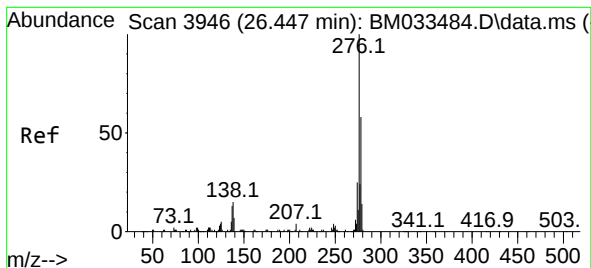
Tgt Ion:149 Resp: 83578
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.8 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.924 min Scan# 3517
Delta R.T. -0.012 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:264 Resp: 162879
Ion Ratio Lower Upper
264 100
260 24.8 17.7 26.5
265 23.8 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.718 ng

RT: 26.424 min Scan# 3942

Delta R.T. -0.023 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

Instrument :

BNA_M

ClientSampleId :

BB1

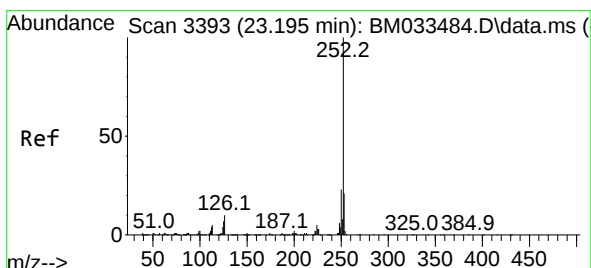
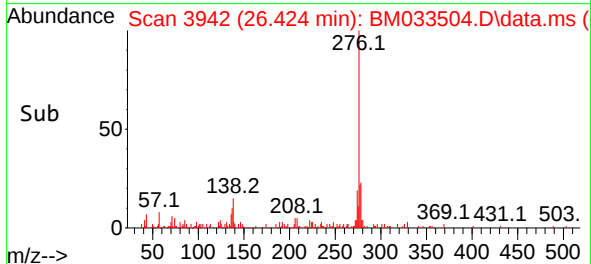
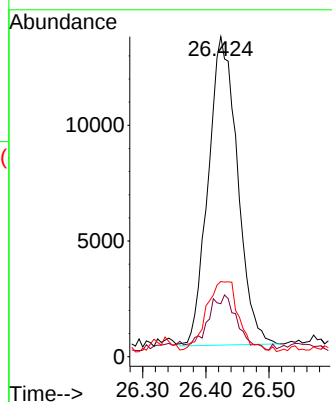
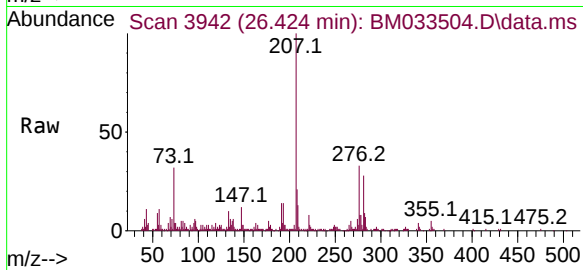
Tgt Ion:276 Resp: 42941

Ion Ratio Lower Upper

276 100

138 17.9 18.7 28.1#

277 24.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.485 ng

RT: 23.188 min Scan# 3392

Delta R.T. -0.007 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

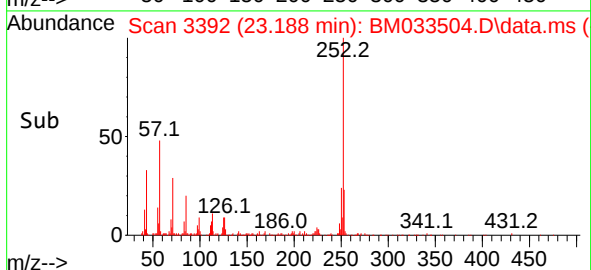
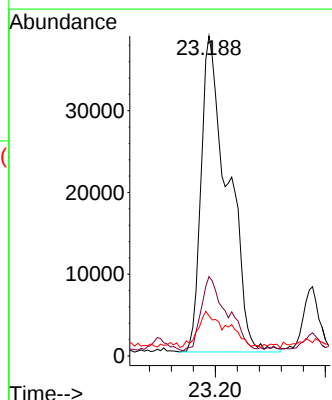
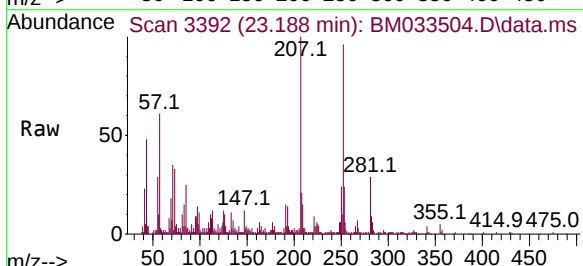
Tgt Ion:252 Resp: 130404

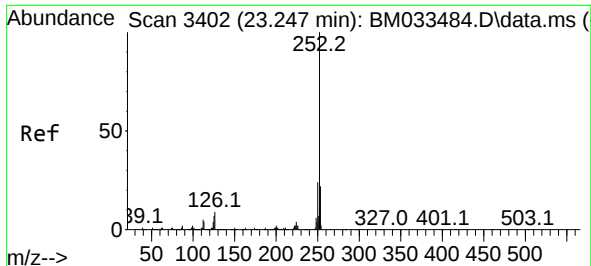
Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 12.6 7.4 11.2#

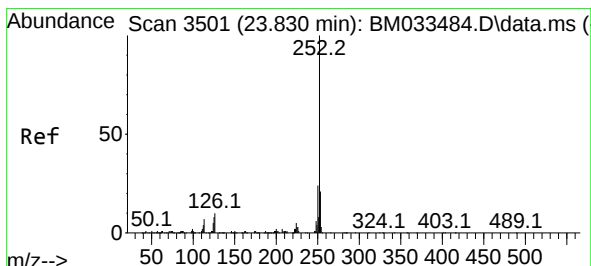
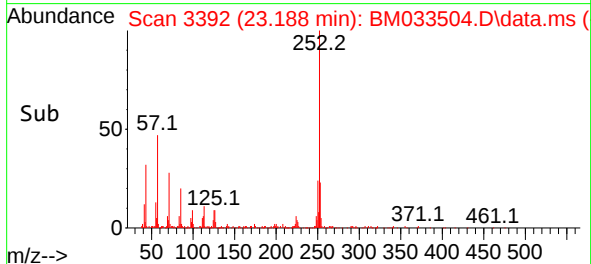
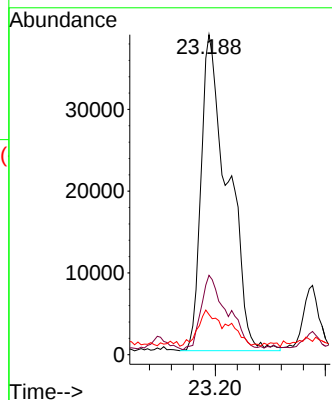
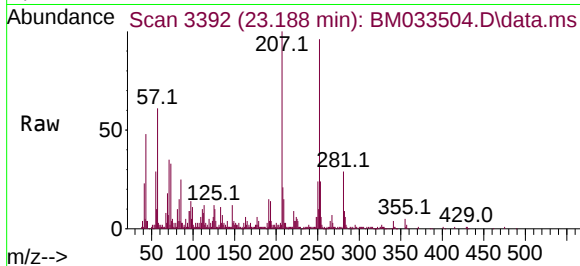




#89
Benzo(k)fluoranthene
Concen: 12.344 ng
RT: 23.188 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

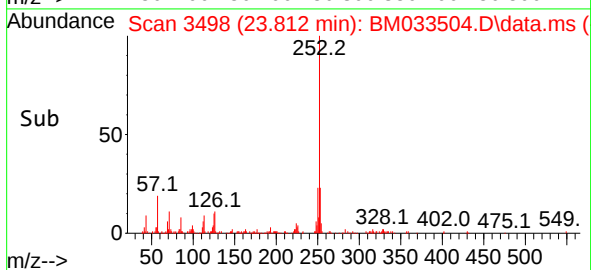
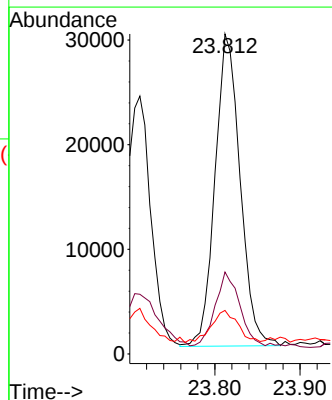
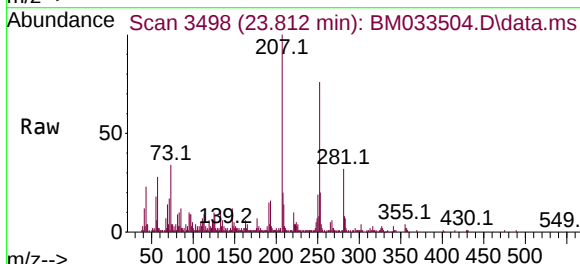
Instrument :
BNA_M
ClientSampleId :
BB1

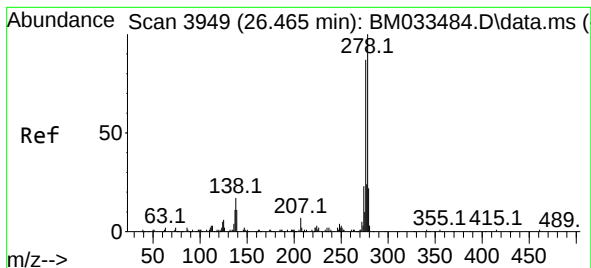
Tgt Ion:252 Resp: 130404
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 12.6 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 7.807 ng
RT: 23.812 min Scan# 3498
Delta R.T. -0.018 min
Lab File: BM033504.D
Acq: 17 Dec 2021 13:45

Tgt Ion:252 Resp: 61018
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 13.6 7.8 11.8#





#91

Dibenzo(a,h)anthracene

Concen: 2.505 ng

RT: 26.441 min Scan# 3945

Delta R.T. -0.024 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

Instrument :

BNA_M

ClientSampleId :

BB1

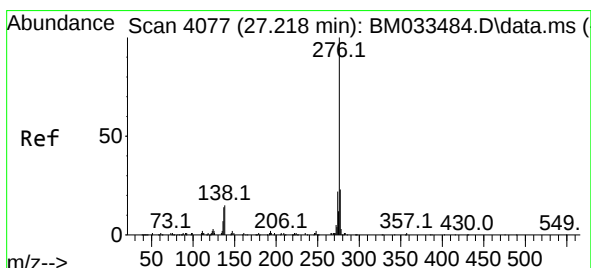
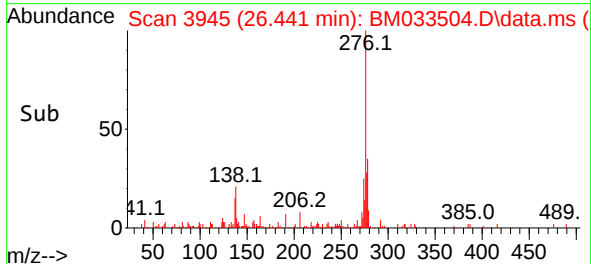
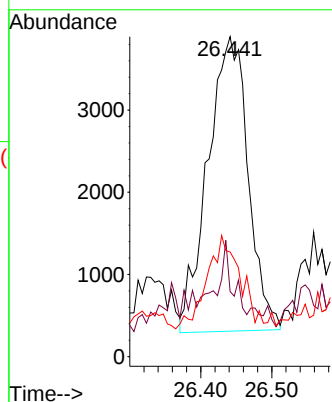
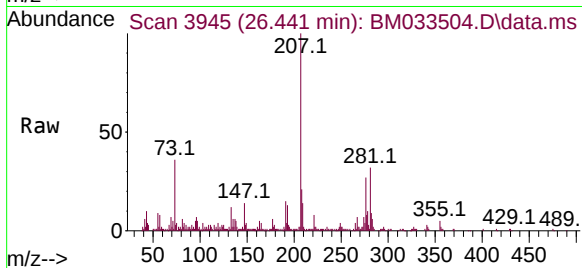
Tgt Ion:278 Resp: 14112

Ion Ratio Lower Upper

278 100

139 20.3 10.9 16.3#

279 32.7 17.7 26.5#



#92

Benzo(g,h,i)perylene

Concen: 6.008 ng

RT: 27.194 min Scan# 4073

Delta R.T. -0.024 min

Lab File: BM033504.D

Acq: 17 Dec 2021 13:45

Tgt Ion:276 Resp: 43520

Ion Ratio Lower Upper

276 100

277 28.0 19.1 28.7

138 20.4 14.8 22.2

