

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
 Data File : BM034343.D
 Acq On : 23 Mar 2022 17:44
 Operator : CG/JU
 Sample : N2070-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 285

Quant Time: Mar 24 02:42:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

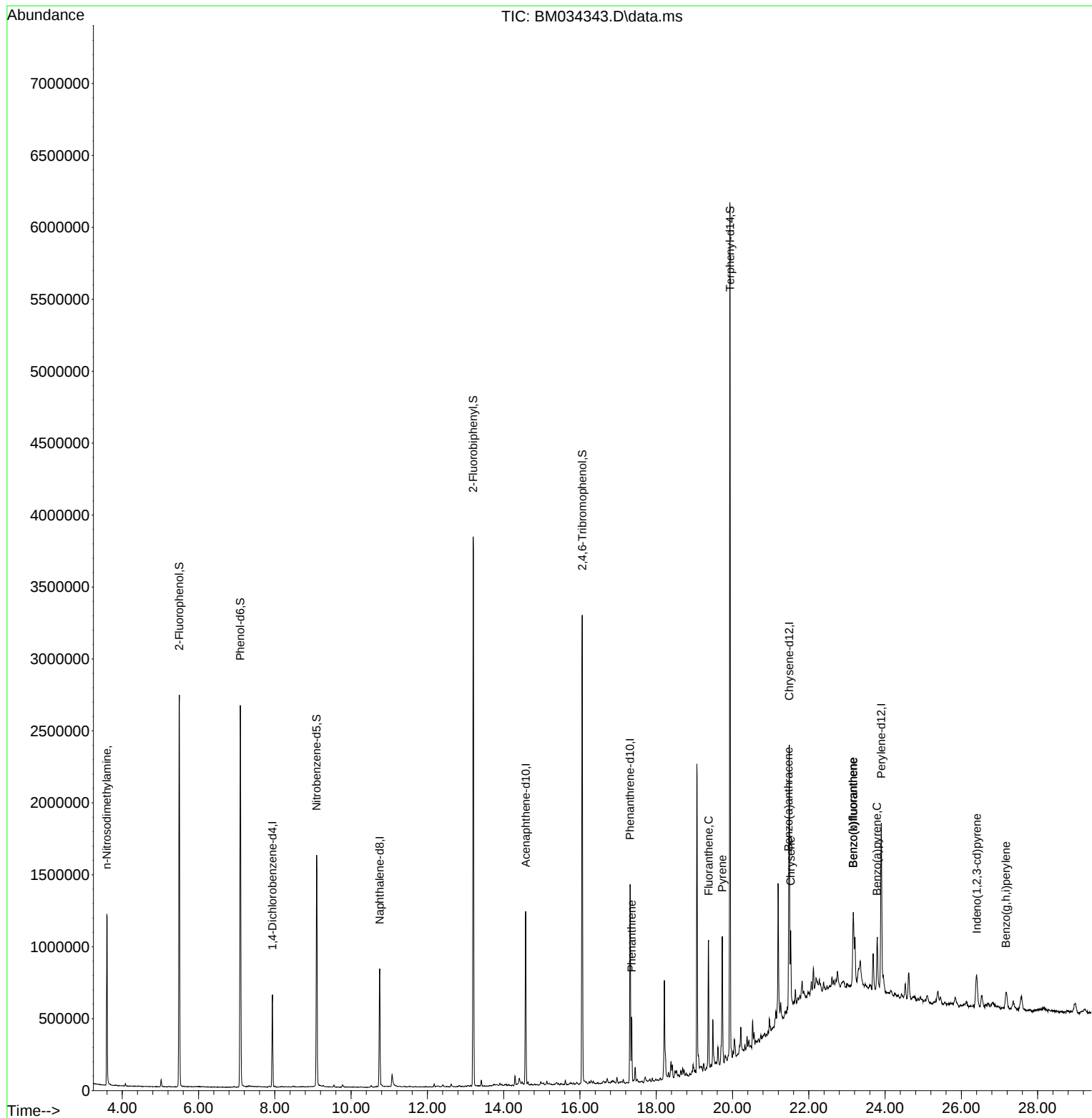
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	163363	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	654060	20.000	ng	0.00
39) Acenaphthene-d10	14.577	164	399544	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	806397	20.000	ng	0.00
76) Chrysene-d12	21.489	240	807709	20.000	ng	0.00
86) Perylene-d12	23.900	264	872396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1102391	121.059	ng	0.00
7) Phenol-d6	7.096	99	1432002	109.832	ng	0.00
23) Nitrobenzene-d5	9.095	82	919177	68.421	ng	-0.01
42) 2,4,6-Tribromophenol	16.060	330	568356	105.538	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	1904871	65.149	ng	-0.01
79) Terphenyl-d14	19.936	244	2850064	61.313	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.596	42	36078	6.815	ng	# 1
71) Phenanthrene	17.354	178	260170	5.761	ng	99
75) Fluoranthene	19.371	202	503057	9.937	ng	99
78) Pyrene	19.730	202	481160	8.455	ng	100
81) Benzo(a)anthracene	21.471	228	284047	5.572	ng	99
83) Chrysene	21.524	228	288902	5.549	ng	98
87) Indeno(1,2,3-cd)pyrene	26.406	276	176825	3.151	ng	99
88) Benzo(b)fluoranthene	23.165	252	392712	7.528	ng	# 96
89) Benzo(k)fluoranthene	23.165	252	392712	7.106	ng	# 96
90) Benzo(a)pyrene	23.789	252	253245	5.726	ng	# 96
92) Benzo(g,h,i)perylene	27.171	276	178960	3.800	ng	98

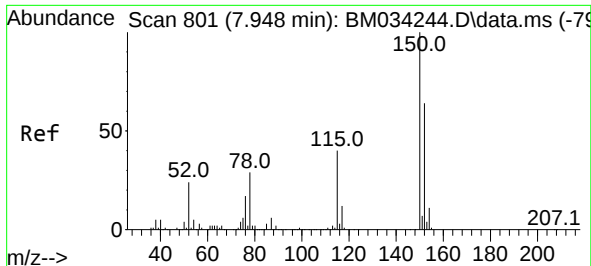
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
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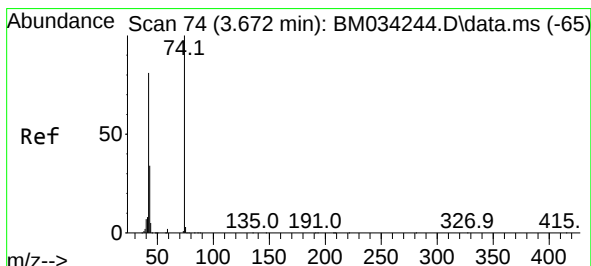
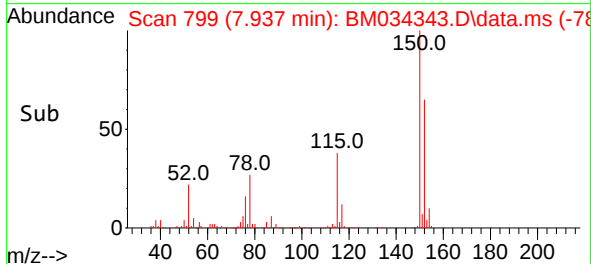
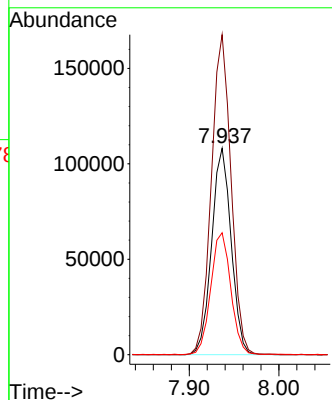
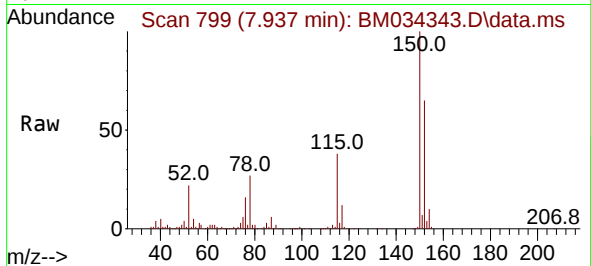




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 74
Delta R.T. -0.005 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

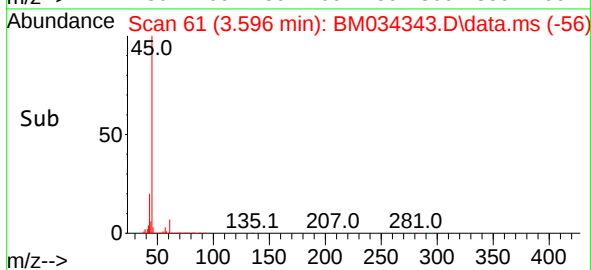
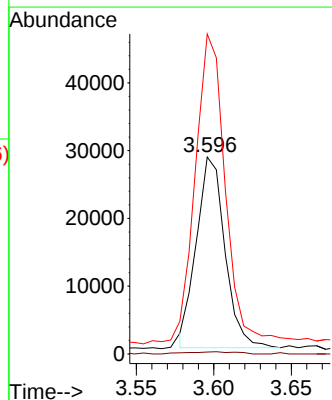
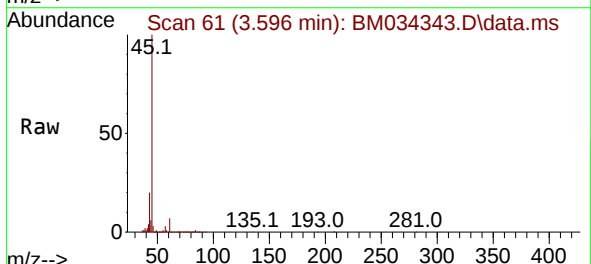
Instrument :
BNA_M
ClientSampleId :
285

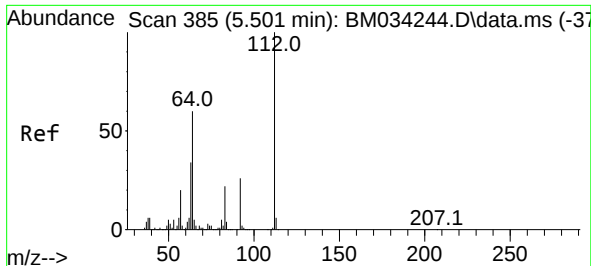
Tgt Ion:152 Resp: 163363
Ion Ratio Lower Upper
152 100
150 155.0 125.4 188.2
115 59.1 50.1 75.1



#4
n-Nitrosodimethylamine
Concen: 6.815 ng
RT: 3.596 min Scan# 61
Delta R.T. -0.071 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion: 42 Resp: 36078
Ion Ratio Lower Upper
42 100
74 1.0 99.3 148.9#
44 162.4 5.0 7.6#

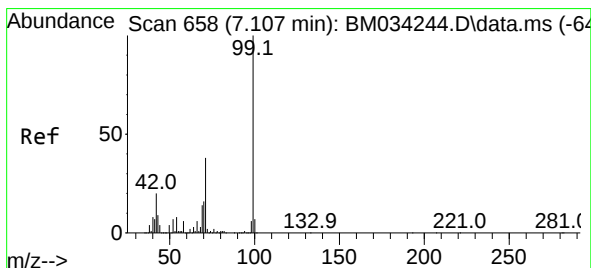
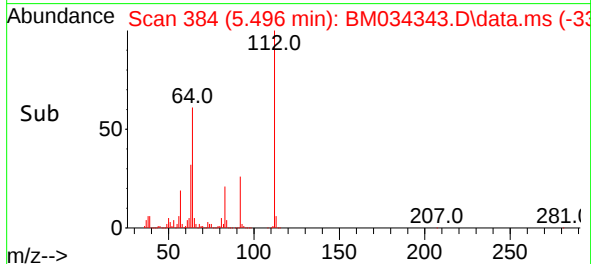
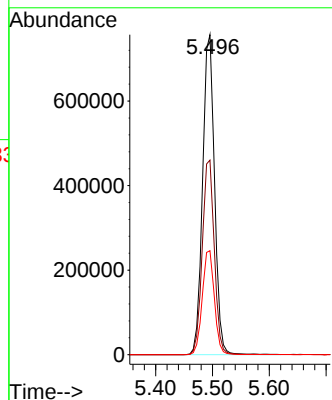
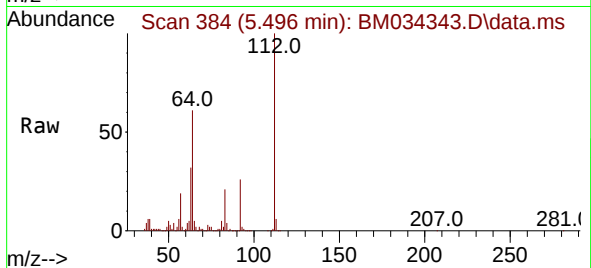




#5
2-Fluorophenol
Concen: 121.059 ng
RT: 5.496 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

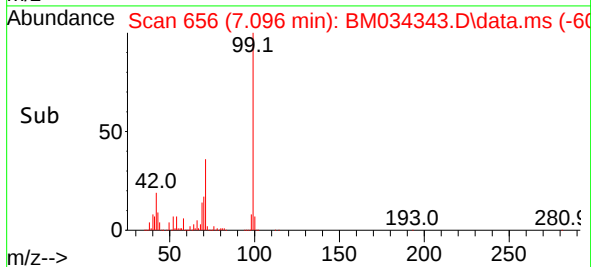
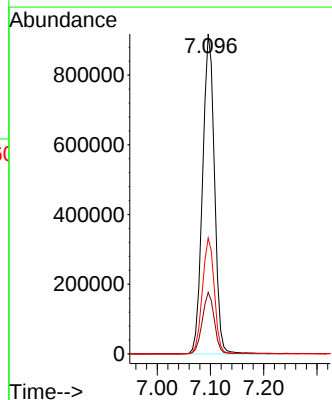
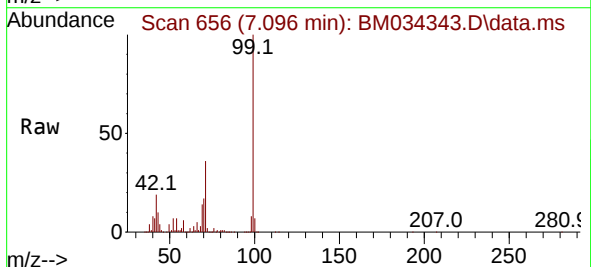
Instrument :
BNA_M
ClientSampleId :
285

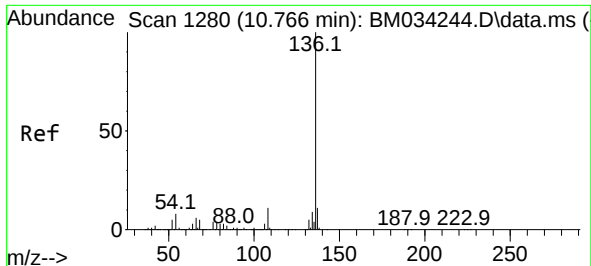
Tgt Ion:112 Resp: 1102391
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 32.5 27.1 40.7



#7
Phenol-d6
Concen: 109.832 ng
RT: 7.096 min Scan# 656
Delta R.T. -0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion: 99 Resp: 1432002
Ion Ratio Lower Upper
99 100
42 19.2 15.6 23.4
71 36.2 30.6 46.0

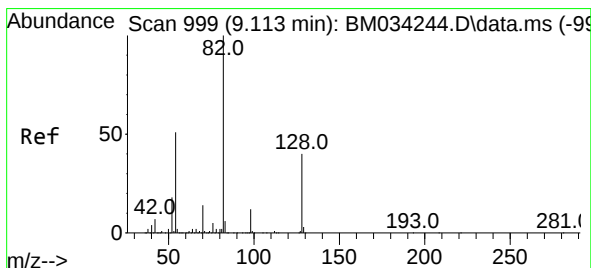
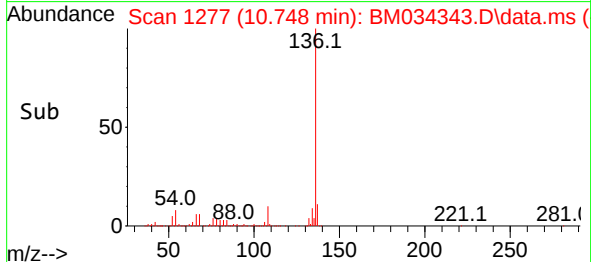
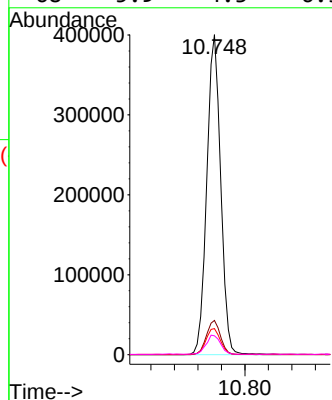
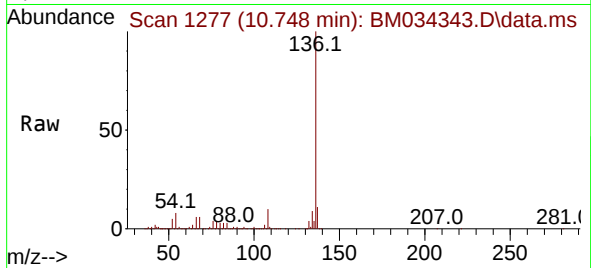




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

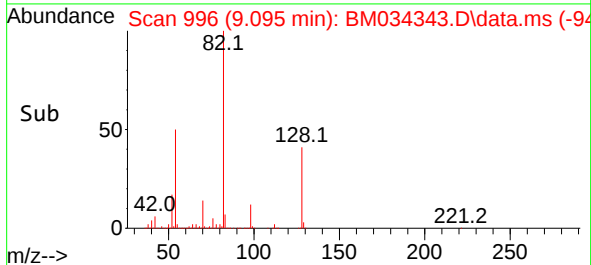
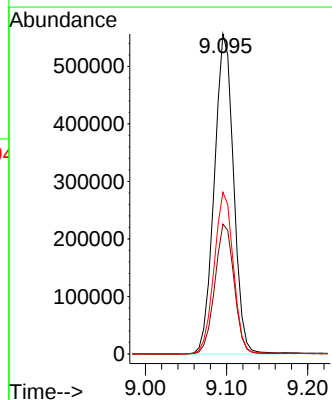
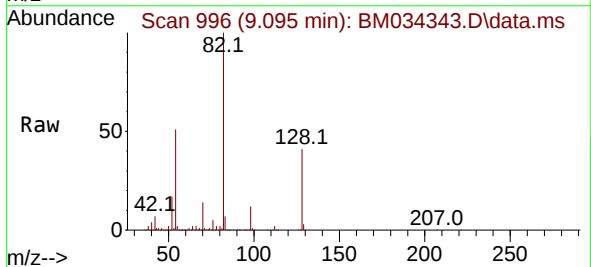
Instrument :
BNA_M
ClientSampleId :
285

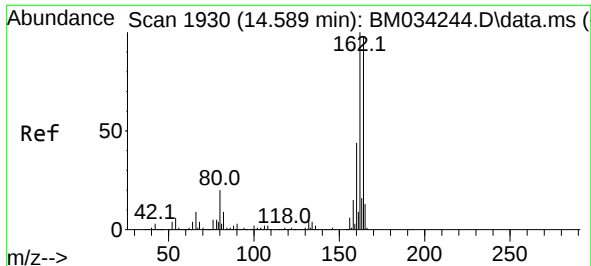
Tgt Ion:136 Resp: 654060
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 6.2 9.4
68 5.9 4.3 6.5



#23
Nitrobenzene-d5
Concen: 68.421 ng
RT: 9.095 min Scan# 996
Delta R.T. -0.012 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion: 82 Resp: 919177
Ion Ratio Lower Upper
82 100
128 40.6 31.9 47.9
54 50.5 40.6 61.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

Instrument :

BNA_M

ClientSampleId :

285

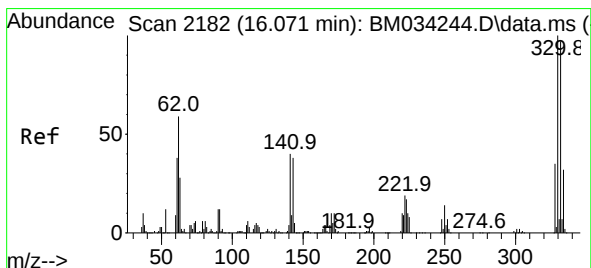
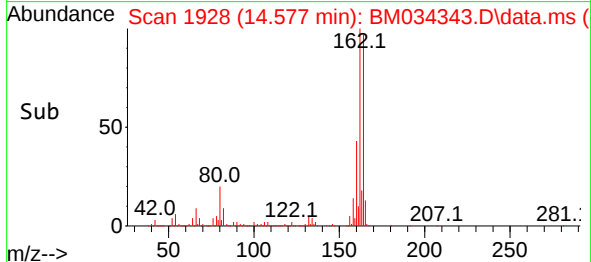
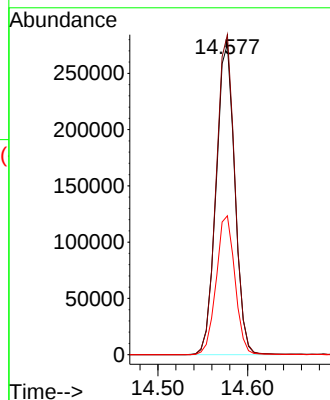
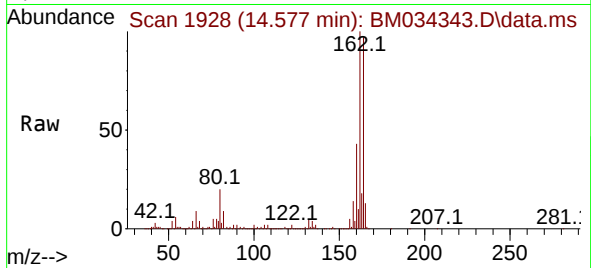
Tgt Ion:164 Resp: 399544

Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

160 44.7 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 105.538 ng

RT: 16.060 min Scan# 2180

Delta R.T. -0.006 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

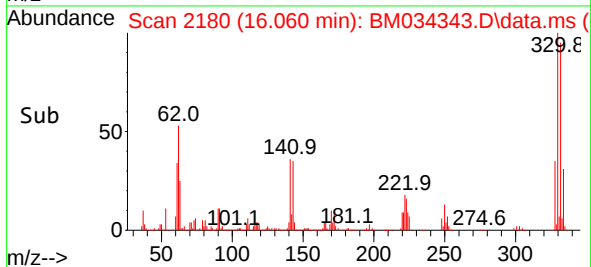
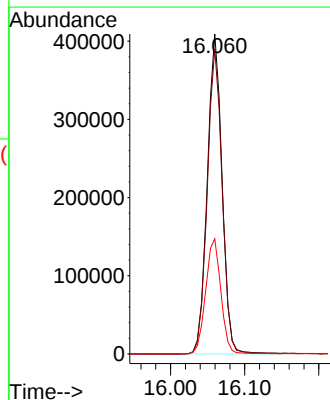
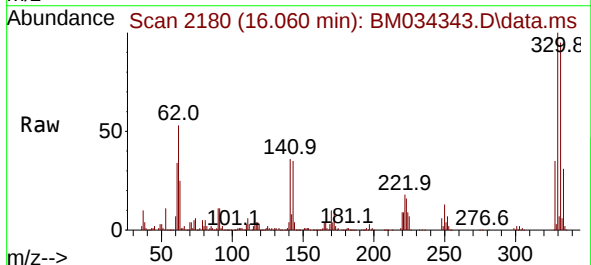
Tgt Ion:330 Resp: 568356

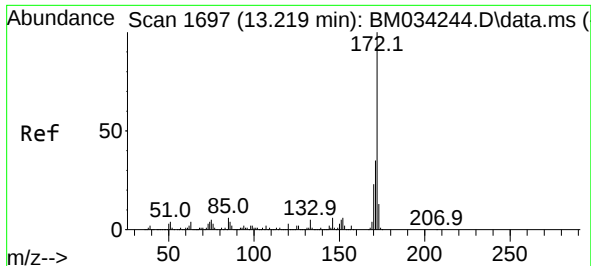
Ion Ratio Lower Upper

330 100

332 96.1 78.2 117.4

141 37.0 30.6 45.8

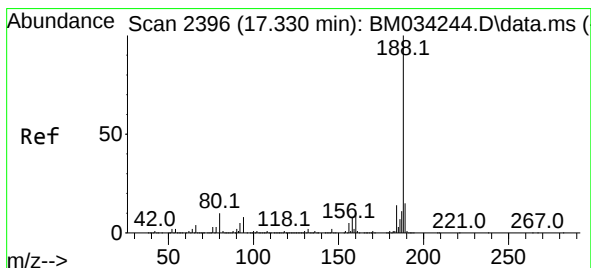
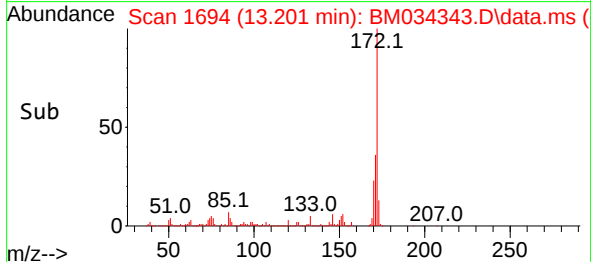
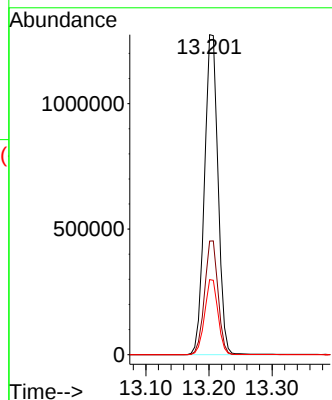
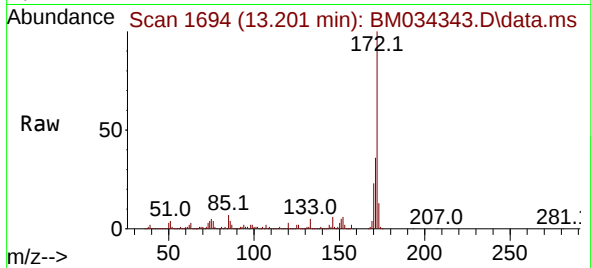




#45
2-Fluorobiphenyl
Concen: 65.149 ng
RT: 13.201 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

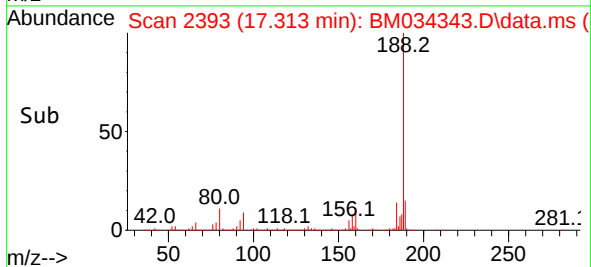
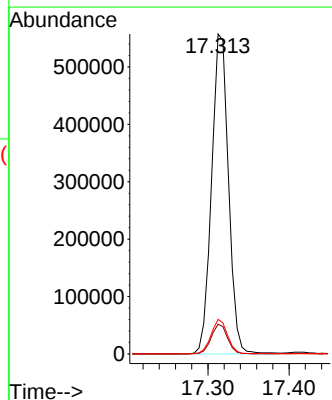
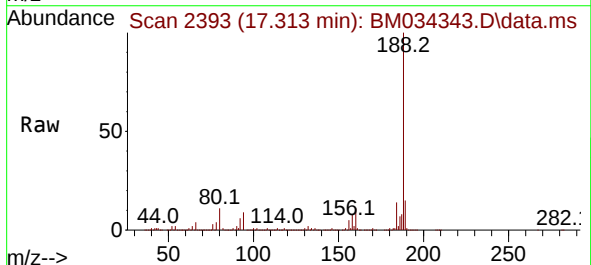
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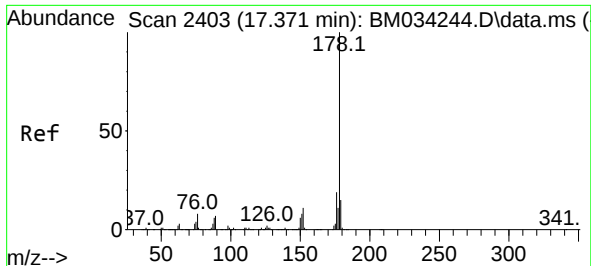
Tgt Ion:172 Resp: 1904871
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.4 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion:188 Resp: 806397
Ion Ratio Lower Upper
188 100
94 9.3 6.6 9.8
80 10.8 7.8 11.8

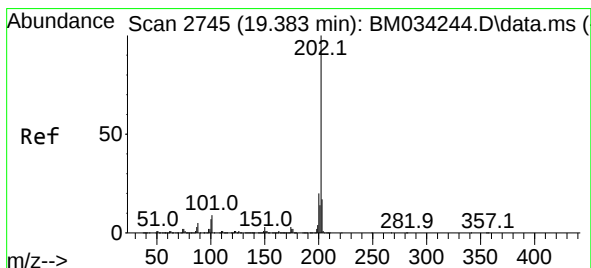
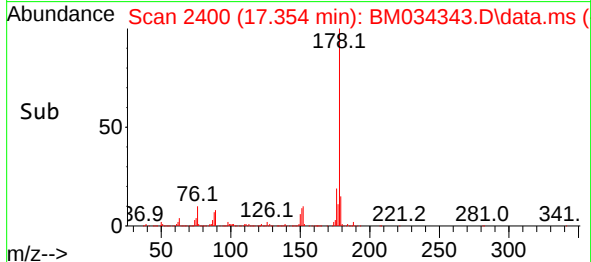
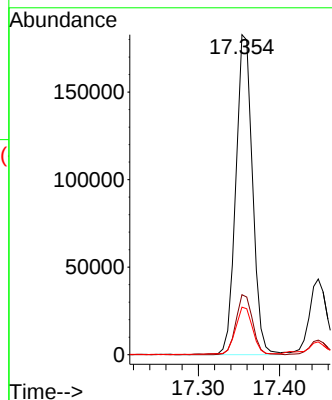
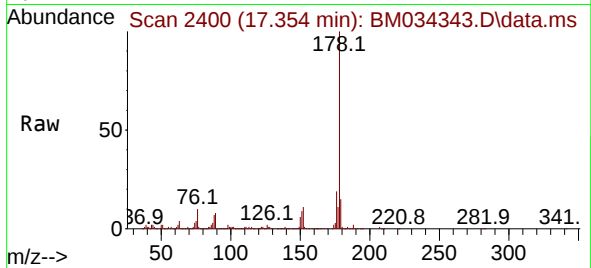




#71
Phenanthrene
Concen: 5.761 ng
RT: 17.354 min Scan# 2403
Delta R.T. -0.012 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

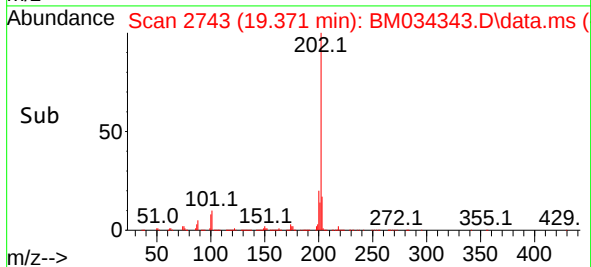
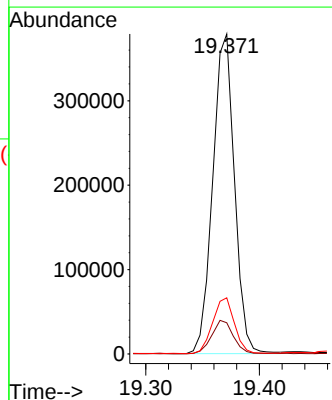
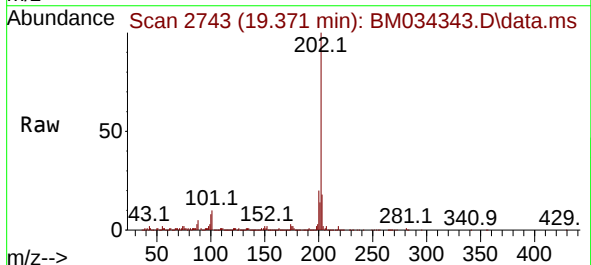
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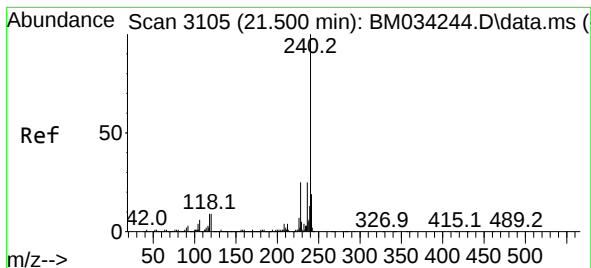
Tgt Ion:178 Resp: 260170
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 14.9 12.2 18.4



#75
Fluoranthene
Concen: 9.937 ng
RT: 19.371 min Scan# 2743
Delta R.T. -0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion:202 Resp: 503057
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

Instrument :

BNA_M

ClientSampleId :

285

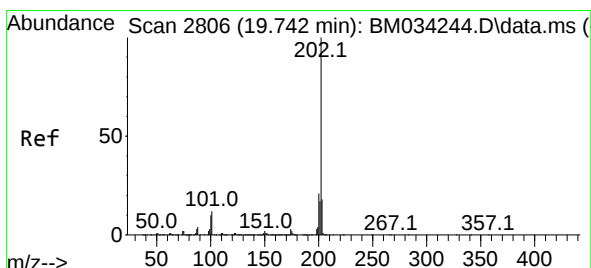
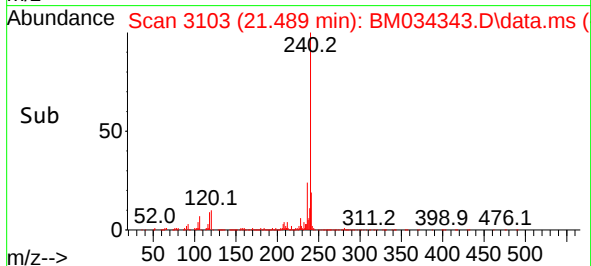
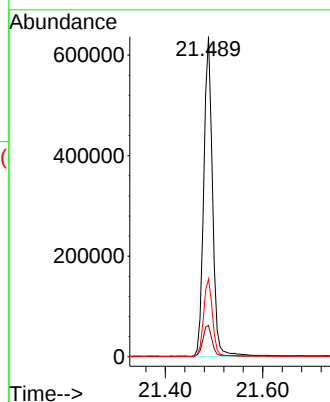
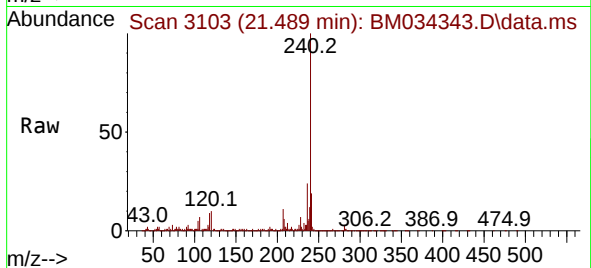
Tgt Ion:240 Resp: 807709

Ion Ratio Lower Upper

240 100

120 9.7 7.3 10.9

236 24.3 20.2 30.2



#78

Pyrene

Concen: 8.455 ng

RT: 19.730 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

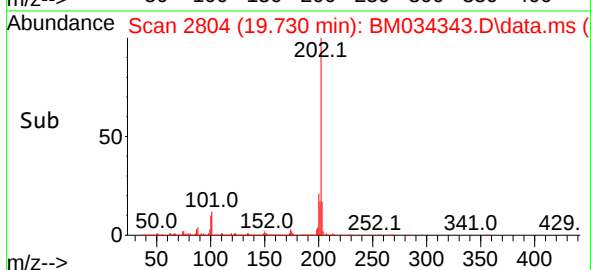
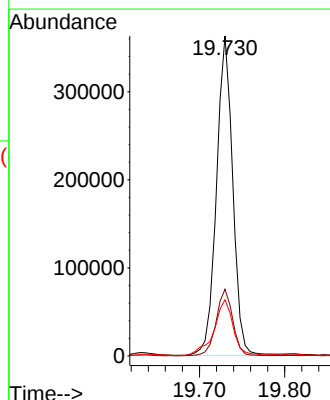
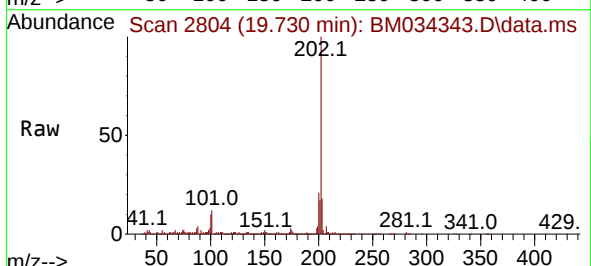
Tgt Ion:202 Resp: 481160

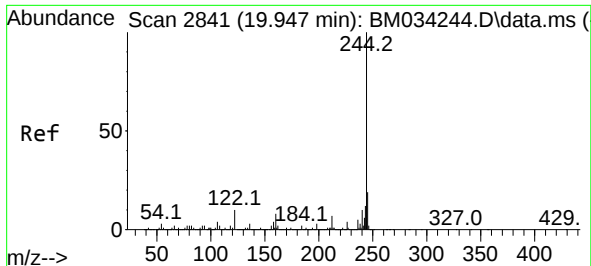
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 17.6 14.1 21.1

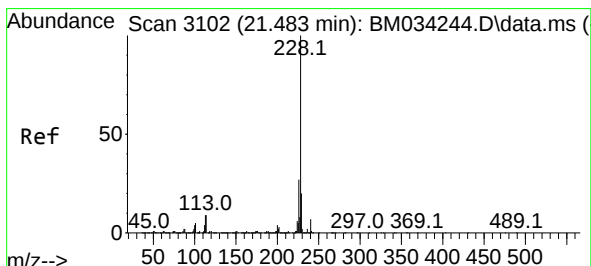
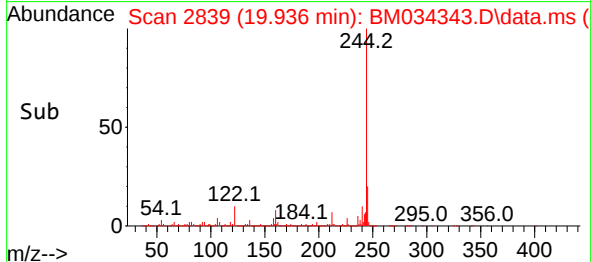
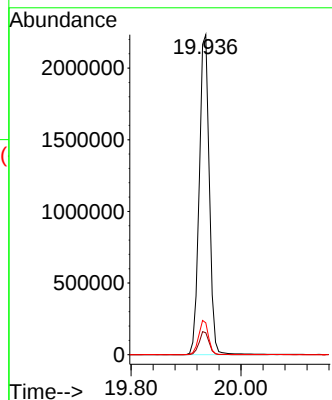
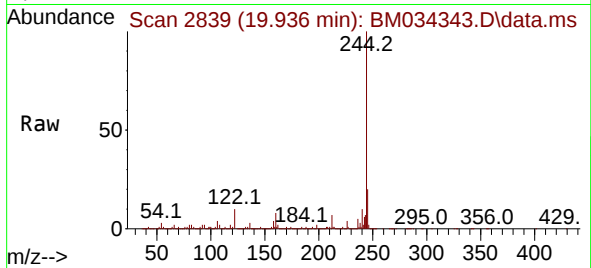




#79
 Terphenyl-d14
 Concen: 61.313 ng
 RT: 19.936 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM034343.D
 Acq: 23 Mar 2022 17:44

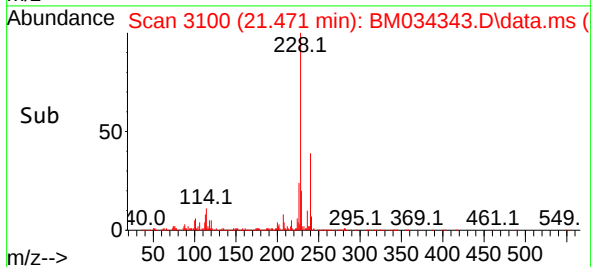
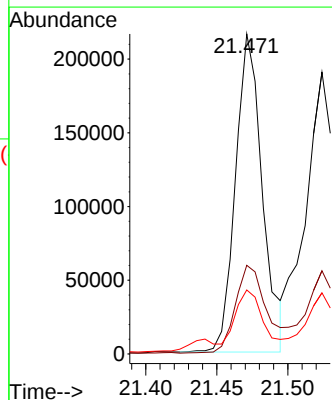
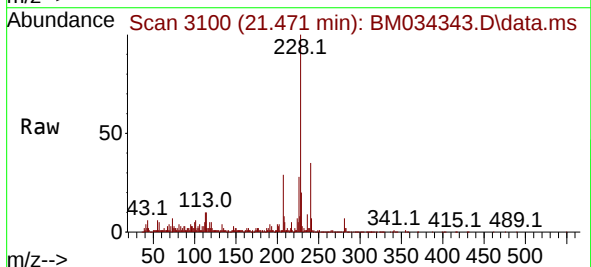
Instrument :
 BNA_M
 ClientSampleId :
 285

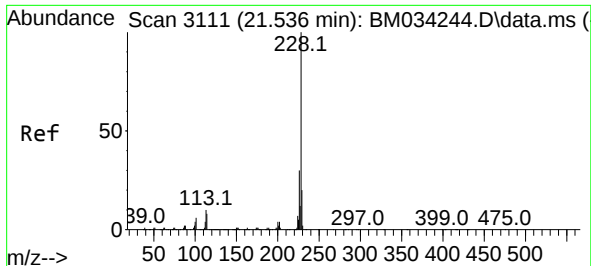
Tgt Ion:244 Resp: 2850064
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.9 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 5.572 ng
 RT: 21.471 min Scan# 3100
 Delta R.T. -0.006 min
 Lab File: BM034343.D
 Acq: 23 Mar 2022 17:44

Tgt Ion:228 Resp: 284047
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.0 15.8 23.6

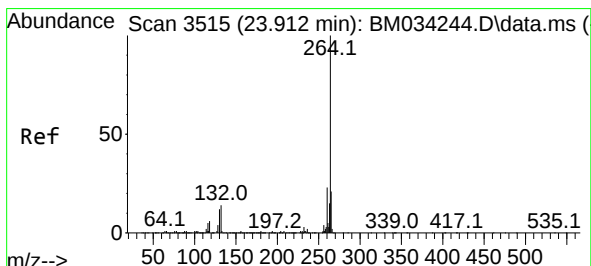
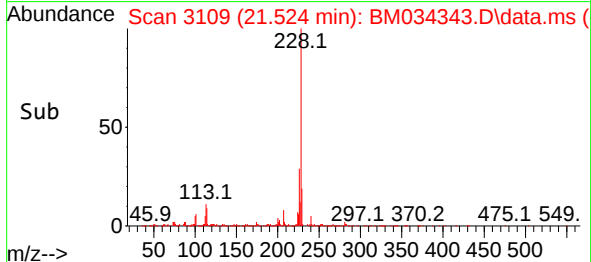
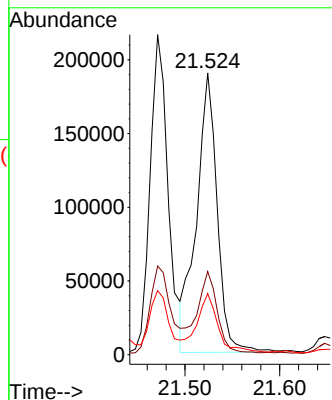
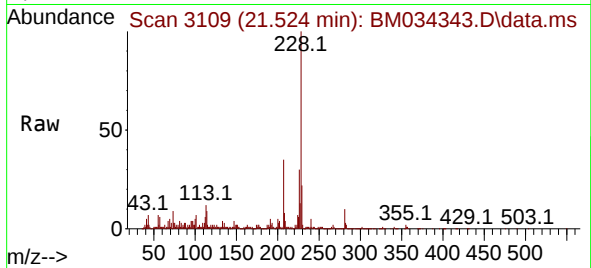




#83
Chrysene
Concen: 5.549 ng
RT: 21.524 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

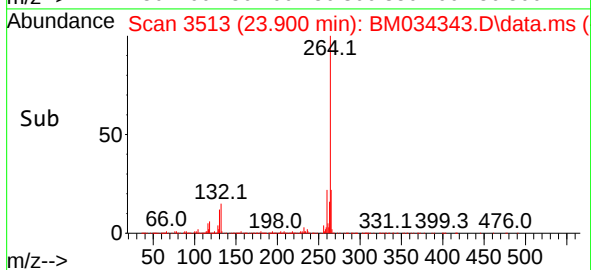
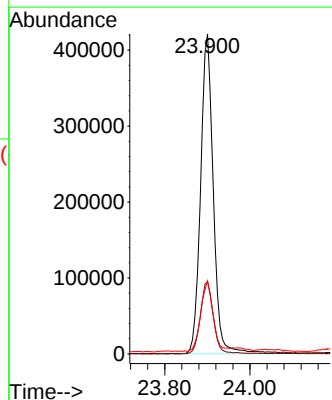
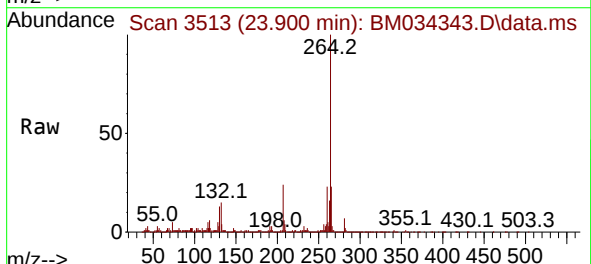
Instrument :
BNA_M
ClientSampleId :
285

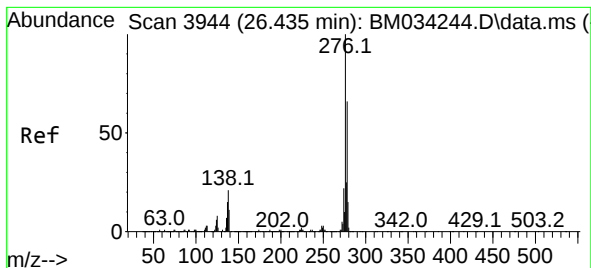
Tgt Ion:228 Resp: 288902
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 21.7 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BM034343.D
Acq: 23 Mar 2022 17:44

Tgt Ion:264 Resp: 872396
Ion Ratio Lower Upper
264 100
260 22.6 18.6 28.0
265 22.8 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.151 ng

RT: 26.406 min Scan# 3944

Delta R.T. -0.018 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

Instrument :

BNA_M

ClientSampleId :

285

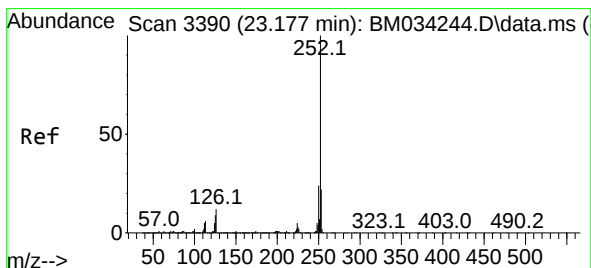
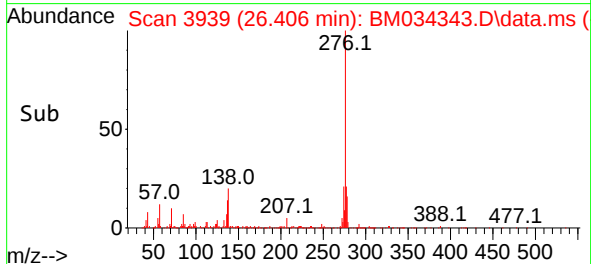
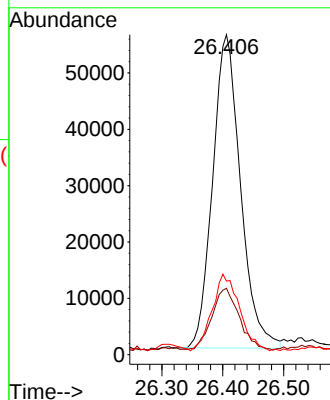
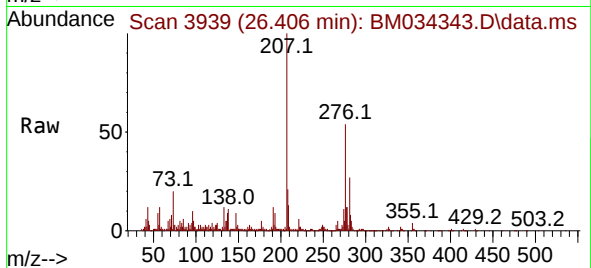
Tgt Ion:276 Resp: 176825

Ion Ratio Lower Upper

276 100

138 19.6 16.6 25.0

277 24.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 7.528 ng

RT: 23.165 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

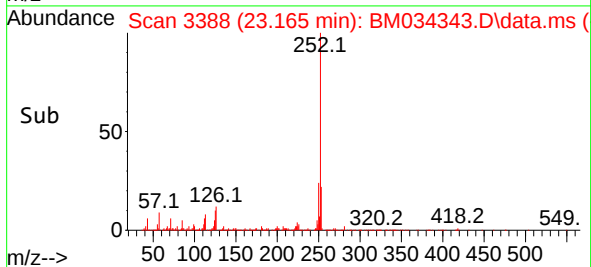
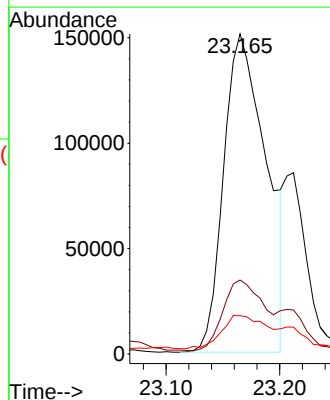
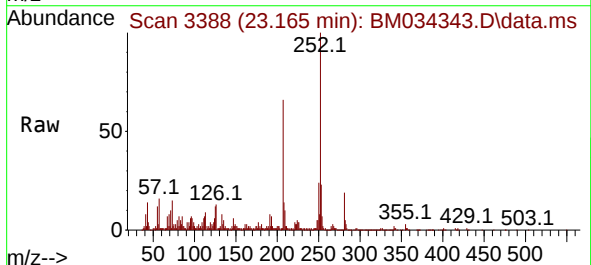
Tgt Ion:252 Resp: 392712

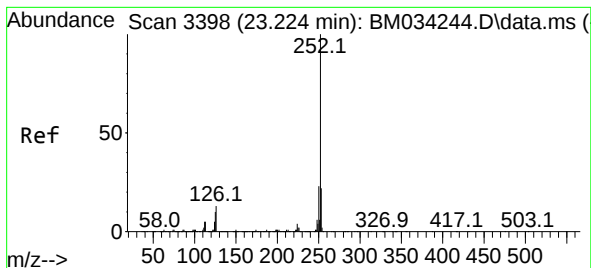
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 12.0 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 7.106 ng

RT: 23.165 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

Instrument :

BNA_M

ClientSampleId :

285

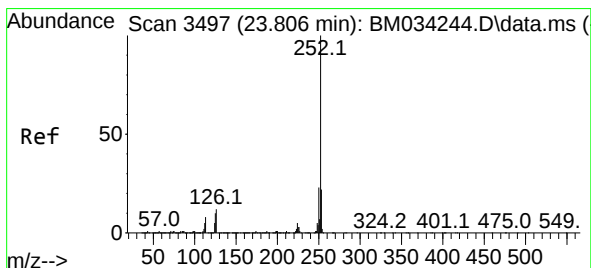
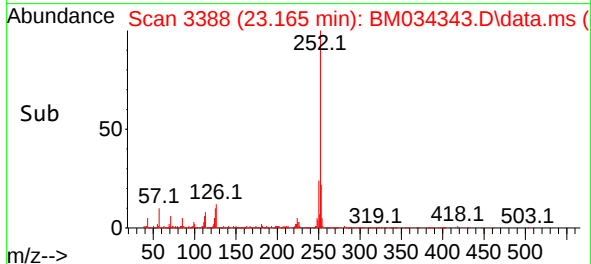
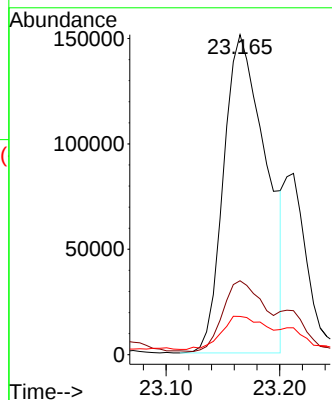
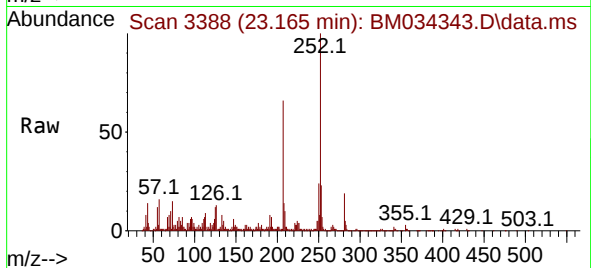
Tgt Ion:252 Resp: 392712

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 12.0 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 5.726 ng

RT: 23.789 min Scan# 3494

Delta R.T. -0.012 min

Lab File: BM034343.D

Acq: 23 Mar 2022 17:44

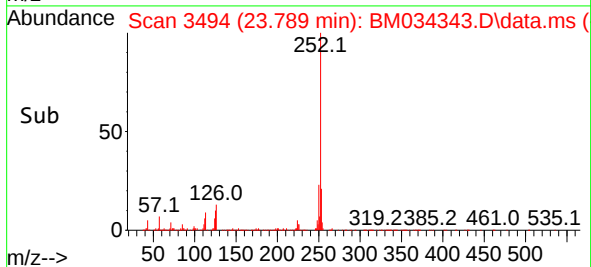
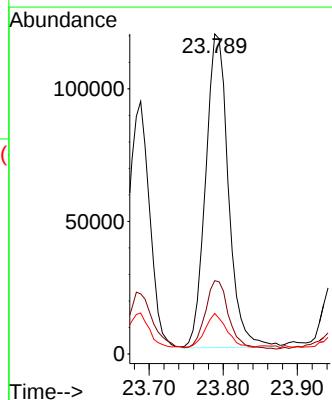
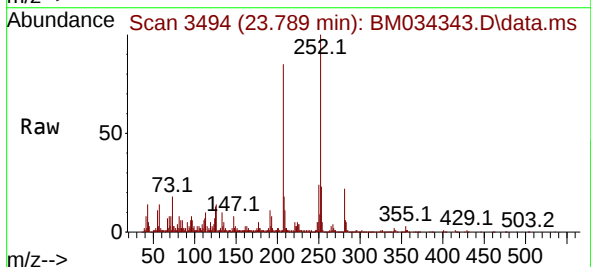
Tgt Ion:252 Resp: 253245

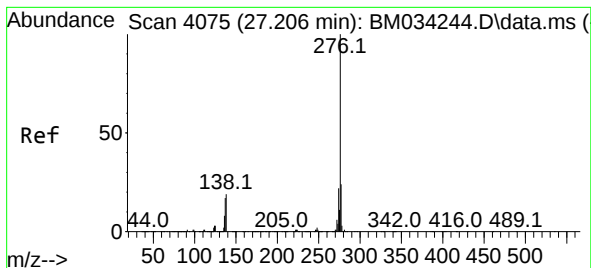
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 12.6 7.8 11.6#





#92

Benzo(g,h,i)perylene

Concen: 3.800 ng

RT: 27.171 min Scan# 40

Delta R.T. -0.029 min

Lab File: BM034343.D

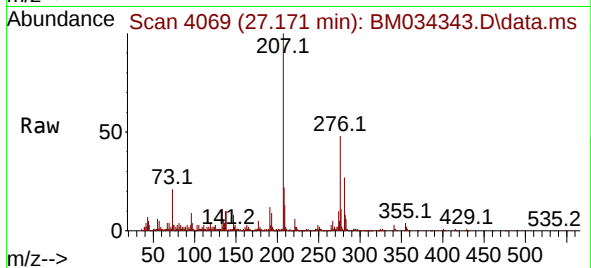
Acq: 23 Mar 2022 17:44

Instrument :

BNA_M

ClientSampleId :

285



Tgt Ion:276 Resp: 178960

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 21.2 15.6 23.4

