

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034388.D
 Acq On : 25 Mar 2022 17:01
 Operator : CG/JU
 Sample : N2013-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-2001

Quant Time: Mar 26 05:39:06 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)

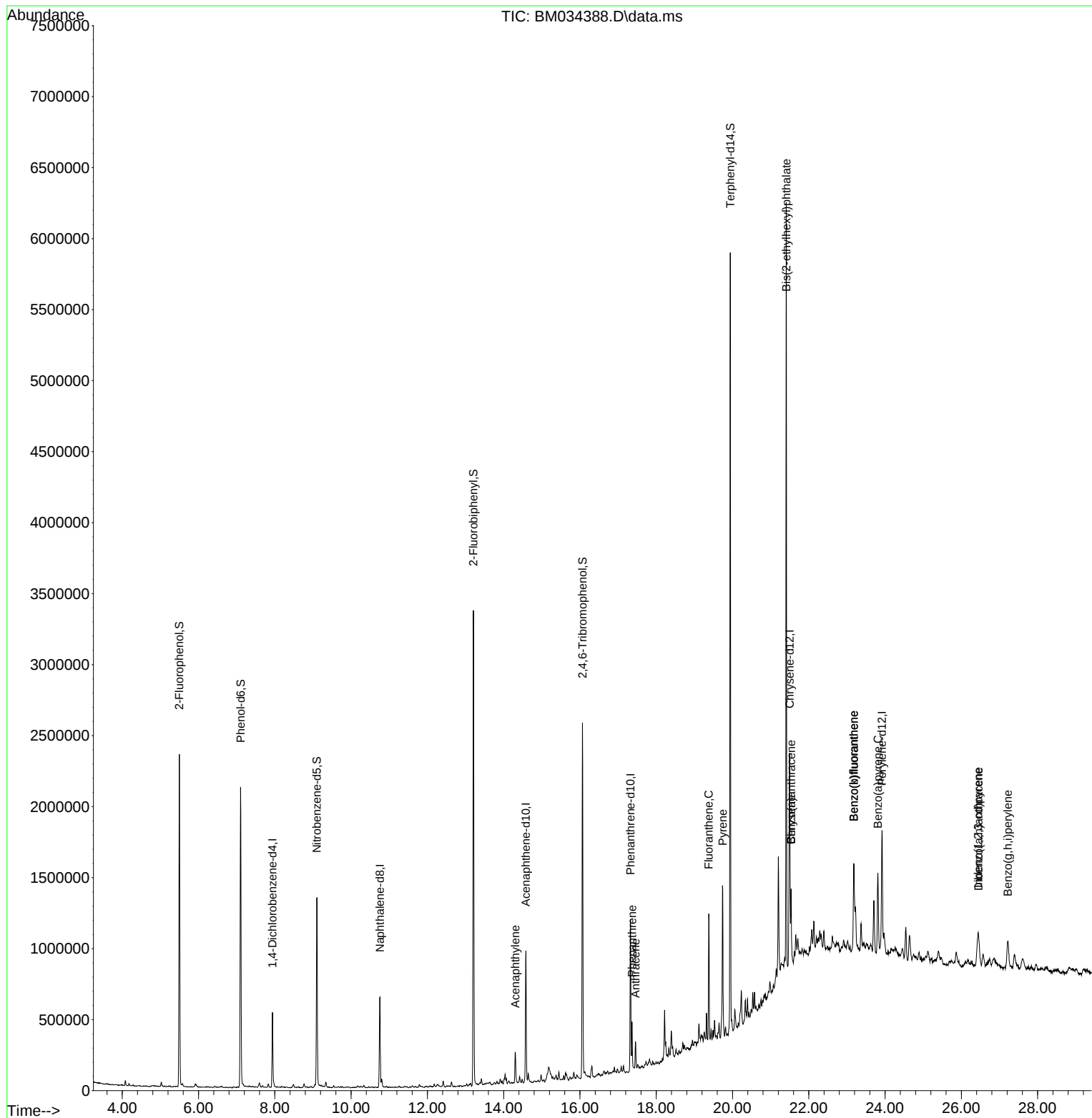
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	135493	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	528168	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	310647	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	610458	20.000	ng	0.00
76) Chrysene-d12	21.495	240	582650	20.000	ng	0.00
86) Perylene-d12	23.918	264	648011	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	924414	122.395	ng	0.00
7) Phenol-d6	7.101	99	1142909	105.690	ng	0.00
23) Nitrobenzene-d5	9.101	82	785929	72.447	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	449573	107.370	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1673015	73.593	ng	0.00
79) Terphenyl-d14	19.942	244	2461489	73.408	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.307	152	174147	6.145	ng	98
71) Phenanthrene	17.366	178	195701	5.724	ng	100
72) Anthracene	17.460	178	127949	3.845	ng	99
75) Fluoranthene	19.377	202	500298	13.054	ng	97
78) Pyrene	19.742	202	630660	15.363	ng	100
81) Benzo(a)anthracene	21.536	228	306280	8.329	ng	93
83) Chrysene	21.536	228	306280	8.156	ng	96
84) Bis(2-ethylhexyl)phtha...	21.412	149	1795571	70.039	ng	98
87) Indeno(1,2,3-cd)pyrene	26.441	276	240319	5.765	ng	99
88) Benzo(b)fluoranthene	23.183	252	613576	15.834	ng	# 95
89) Benzo(k)fluoranthene	23.183	252	613576	14.948	ng	# 95
90) Benzo(a)pyrene	23.812	252	360097	10.962	ng	# 95
91) Dibenzo(a,h)anthracene	26.447	278	67712	2.003	ng	# 86
92) Benzo(g,h,i)perylene	27.218	276	268398	7.672	ng	98

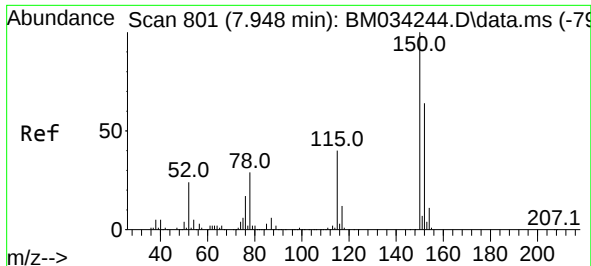
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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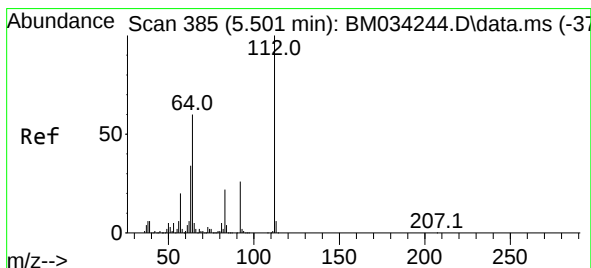
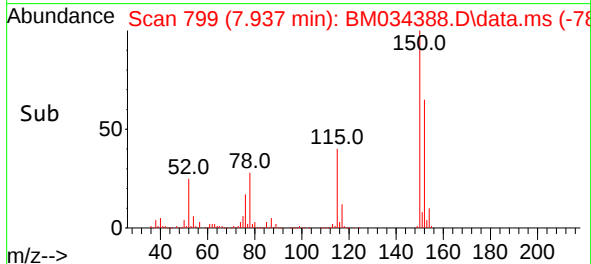
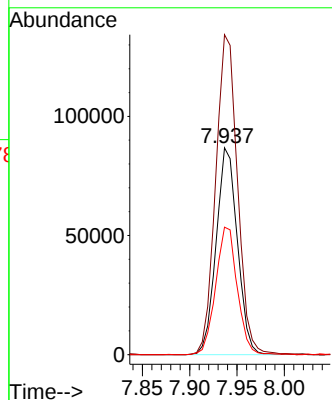
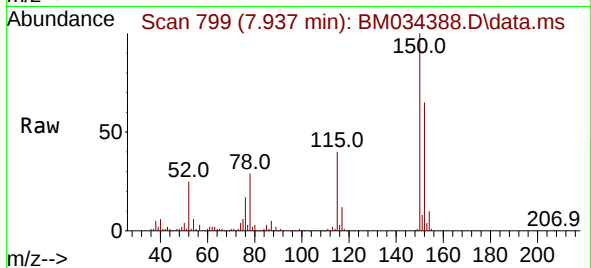




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

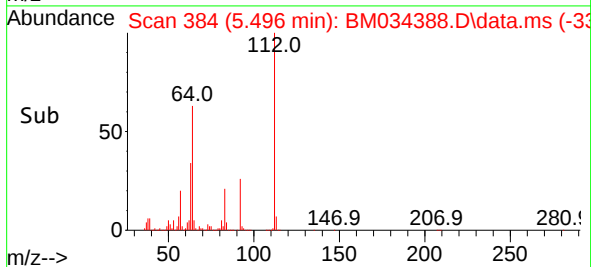
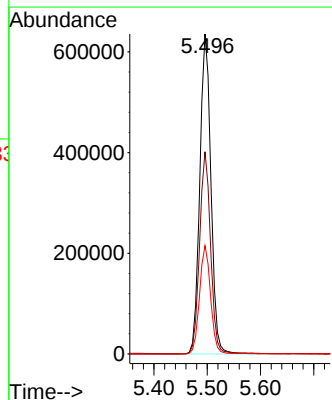
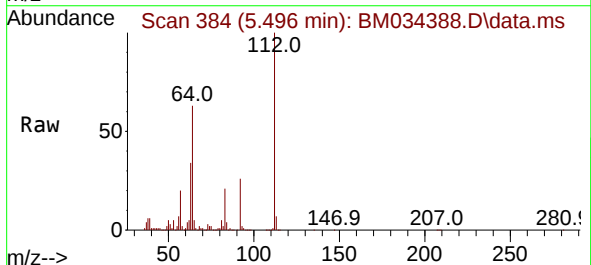
Instrument :
BNA_M
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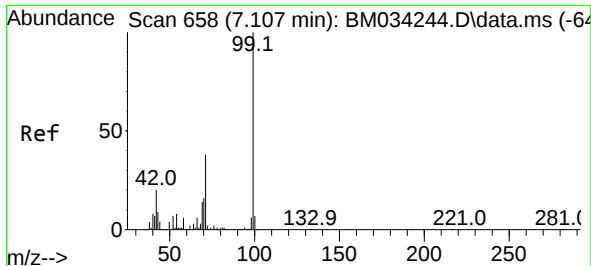
Tgt Ion:152 Resp: 135493
Ion Ratio Lower Upper
152 100
150 154.7 125.4 188.2
115 61.7 50.1 75.1



#5
2-Fluorophenol
Concen: 122.395 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:112 Resp: 924414
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 33.9 27.1 40.7

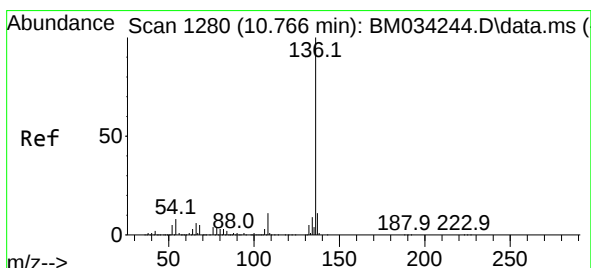
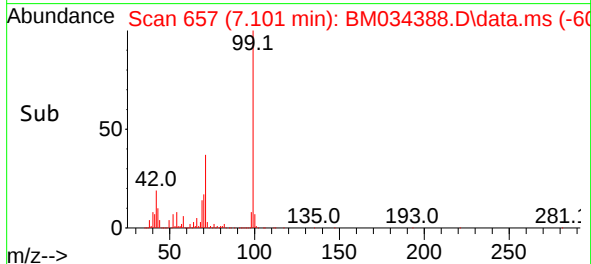
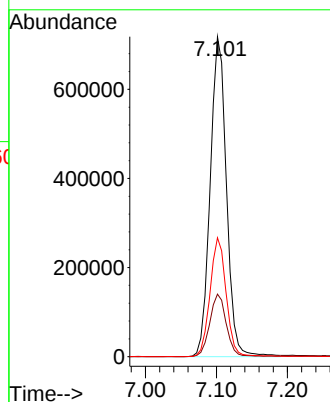
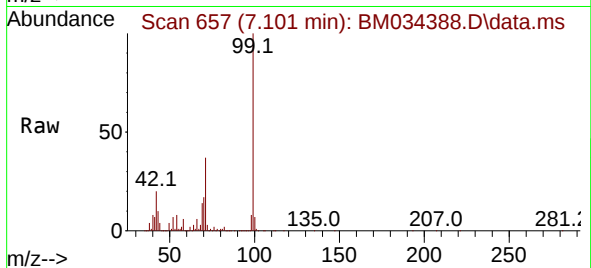




#7
Phenol-d6
Concen: 105.690 ng
RT: 7.101 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

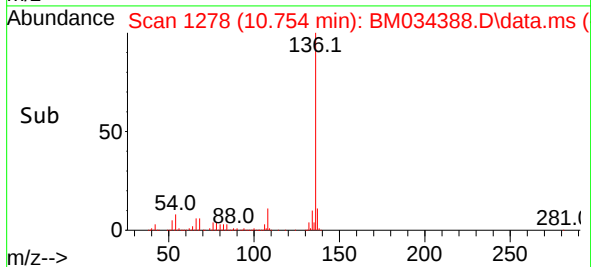
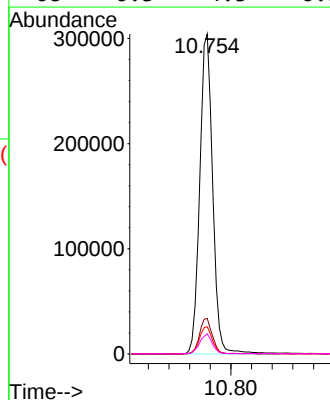
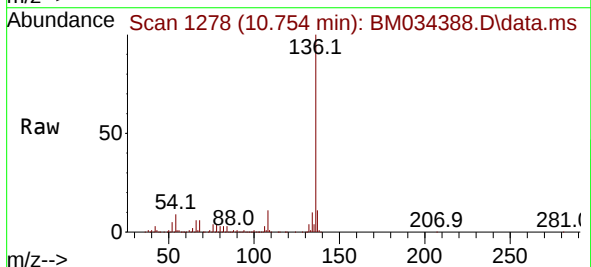
Instrument :
BNA_M
ClientSampleId :
CHRT-2001

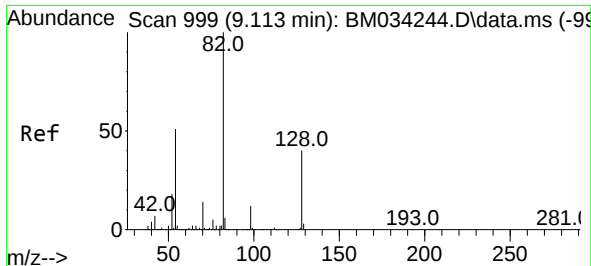
Tgt Ion: 99 Resp: 1142909
Ion Ratio Lower Upper
99 100
42 19.5 15.6 23.4
71 37.1 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion: 136 Resp: 528168
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 6.2 9.4
68 6.3 4.3 6.5

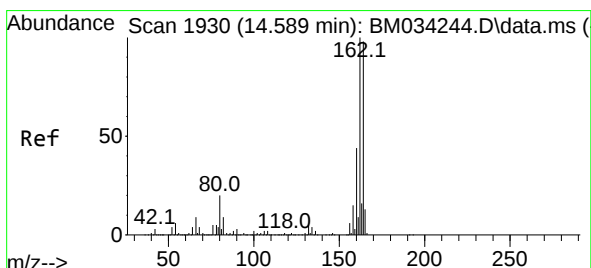
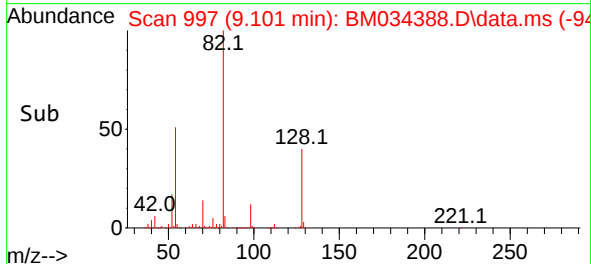
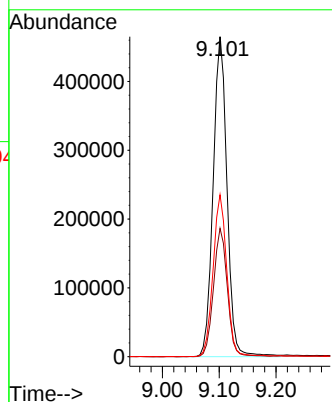
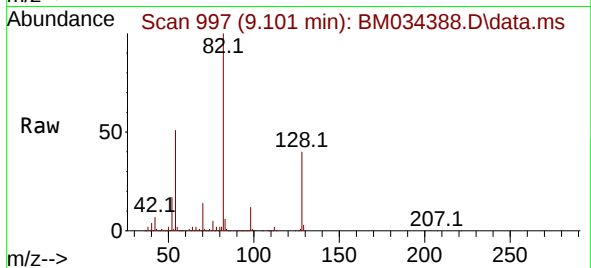




#23
Nitrobenzene-d5
Concen: 72.447 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

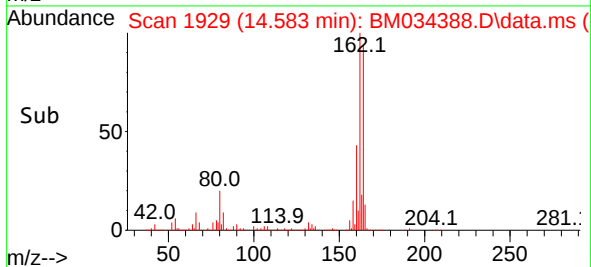
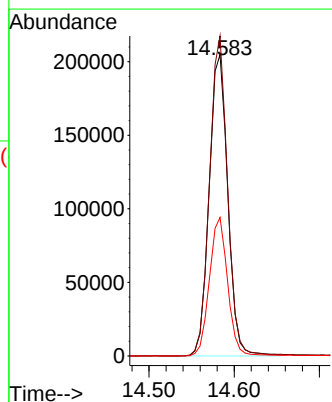
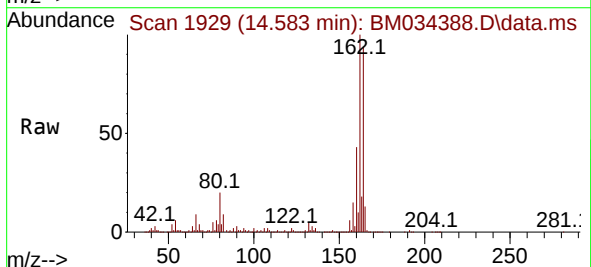
Instrument :
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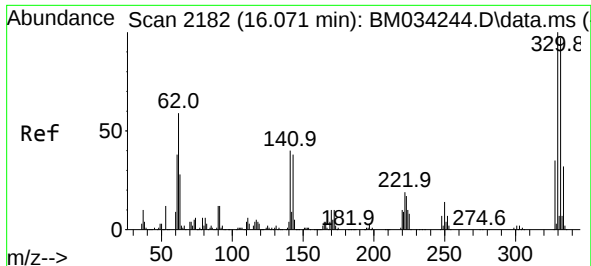
Tgt Ion: 82 Resp: 785929
Ion Ratio Lower Upper
82 100
128 40.1 31.9 47.9
54 50.6 40.6 61.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion: 164 Resp: 310647
Ion Ratio Lower Upper
164 100
162 106.2 81.6 122.4
160 46.0 35.6 53.4

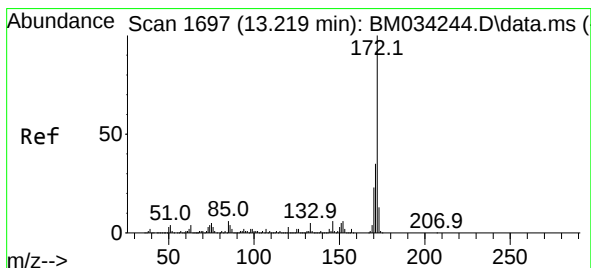
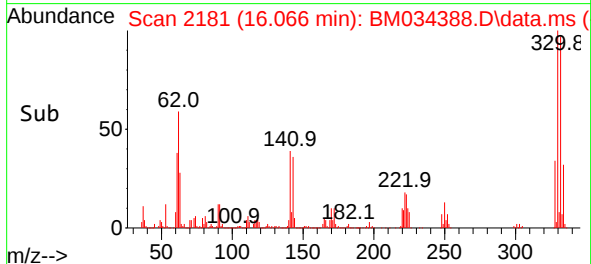
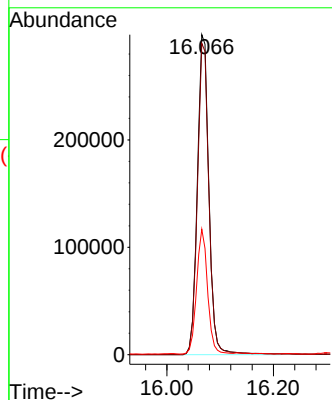
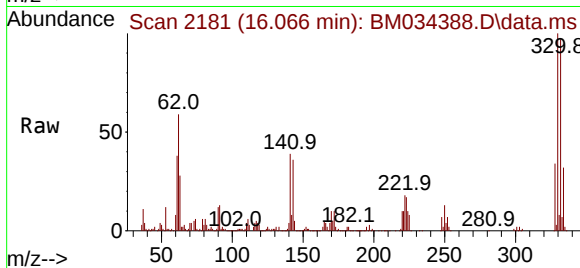




#42
2,4,6-Tribromophenol
Concen: 107.370 ng
RT: 16.066 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

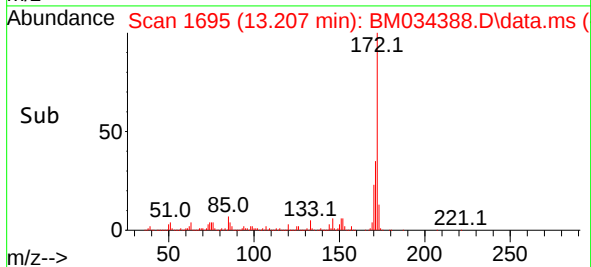
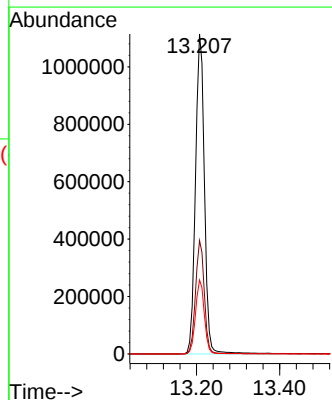
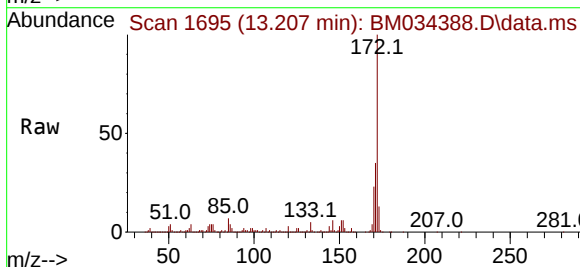
Instrument :
BNA_M
ClientSampleId :
CHRT-2001

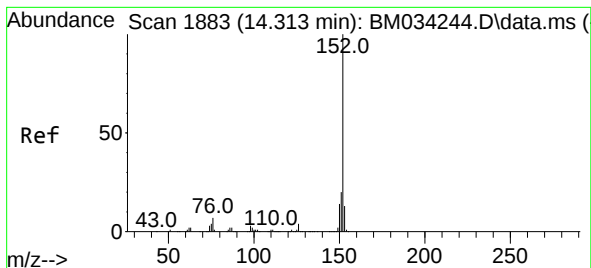
Tgt Ion:330 Resp: 449573
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.4
141 36.9 30.6 45.8



#45
2-Fluorobiphenyl
Concen: 73.593 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:172 Resp: 1673015
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.1 18.6 28.0





#49

Acenaphthylene

Concen: 6.145 ng

RT: 14.307 min Scan# 1882

Delta R.T. 0.000 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

CHRT-2001

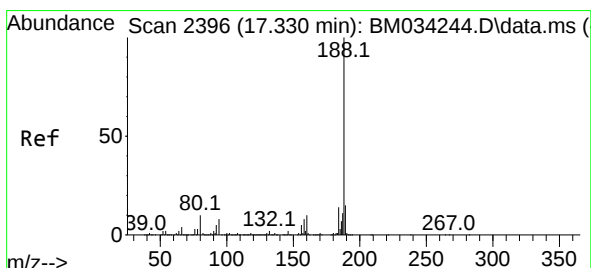
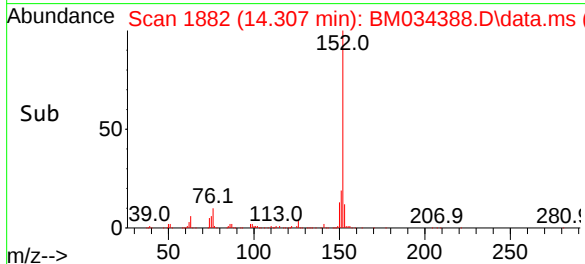
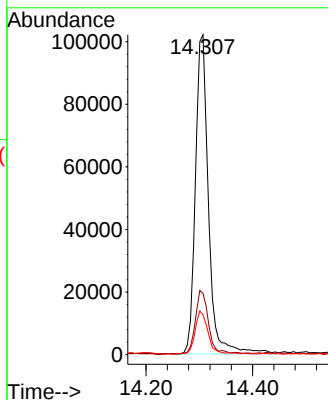
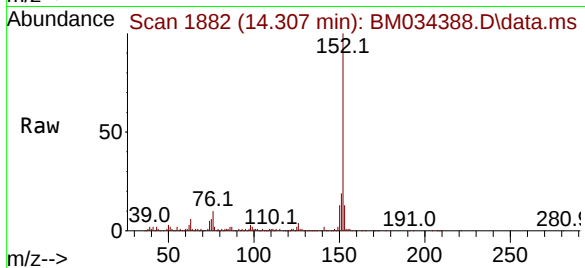
Tgt Ion:152 Resp: 174147

Ion Ratio Lower Upper

152 100

151 19.1 15.9 23.9

153 12.5 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2395

Delta R.T. 0.006 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

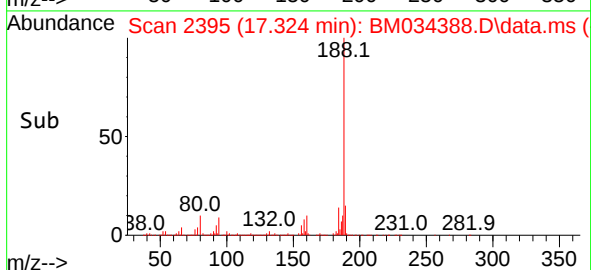
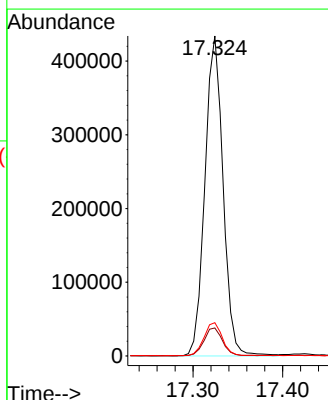
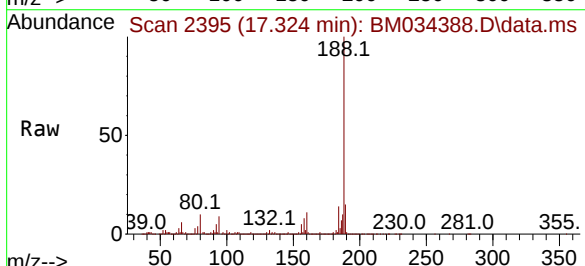
Tgt Ion:188 Resp: 610458

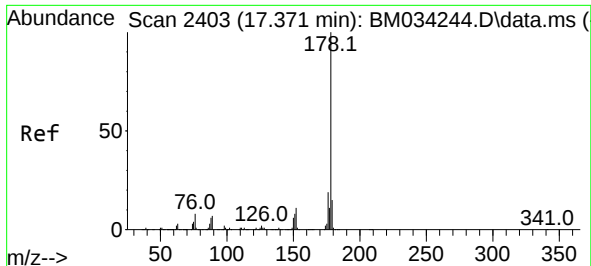
Ion Ratio Lower Upper

188 100

94 8.7 6.6 9.8

80 10.4 7.8 11.8

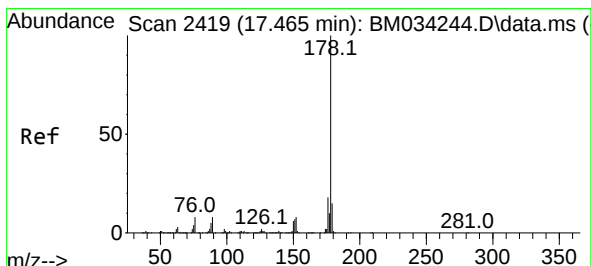
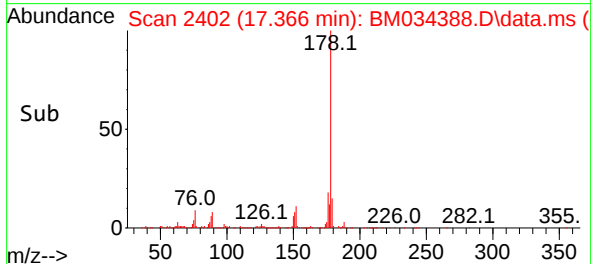
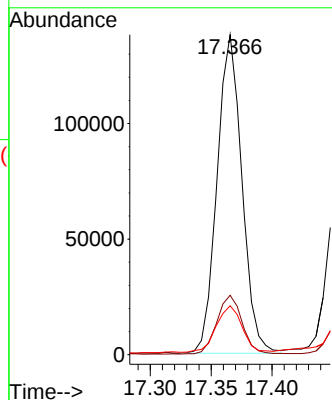
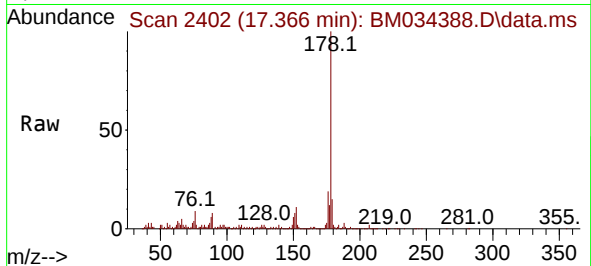




#71
Phenanthrene
Concen: 5.724 ng
RT: 17.366 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

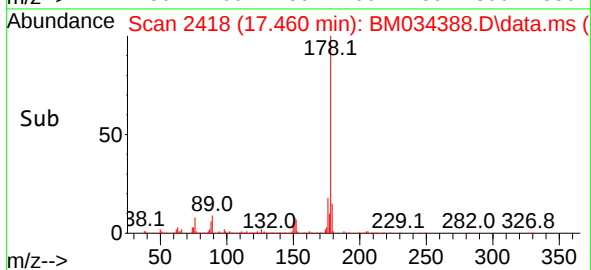
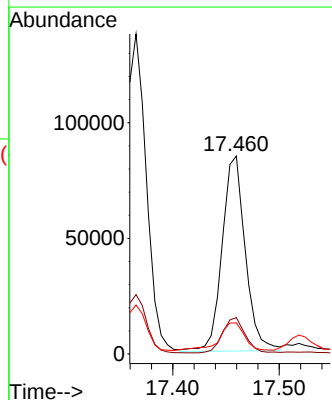
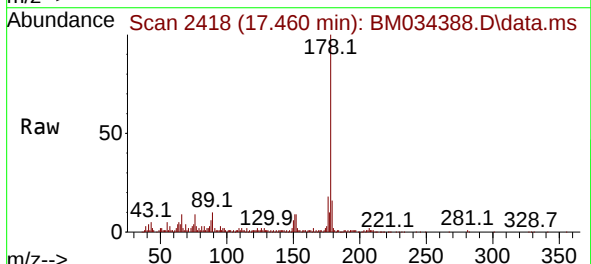
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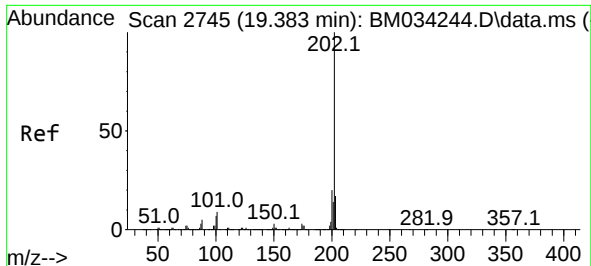
Tgt Ion:178 Resp: 195701
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.3 12.2 18.4



#72
Anthracene
Concen: 3.845 ng
RT: 17.460 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:178 Resp: 127949
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.7 12.2 18.2

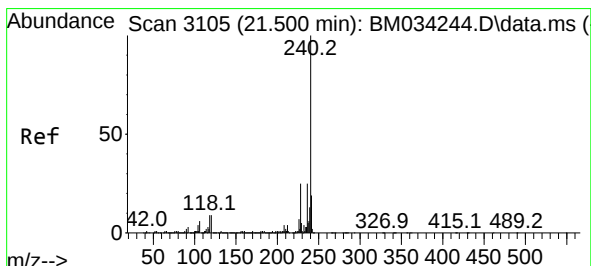
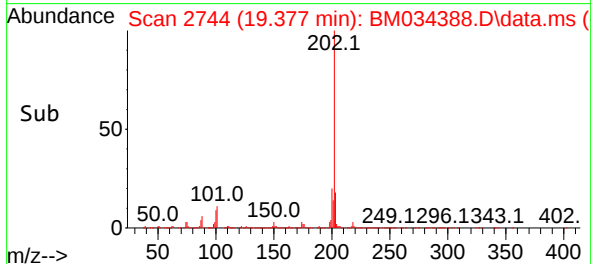
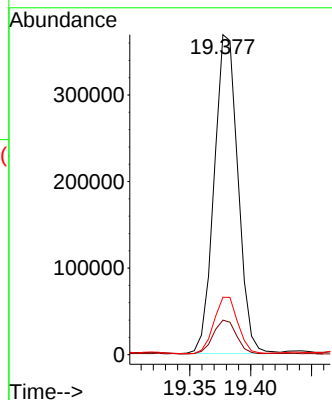
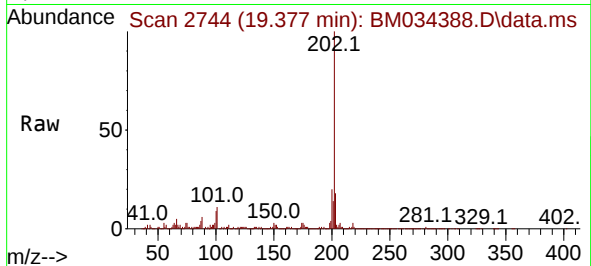




#75
Fluoranthene
Concen: 13.054 ng
RT: 19.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

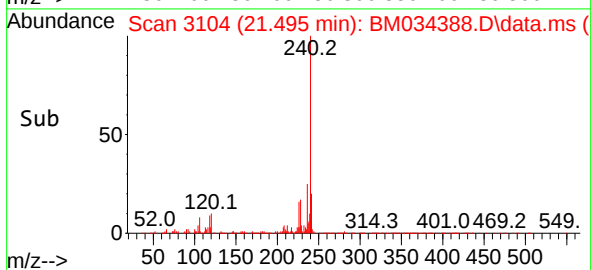
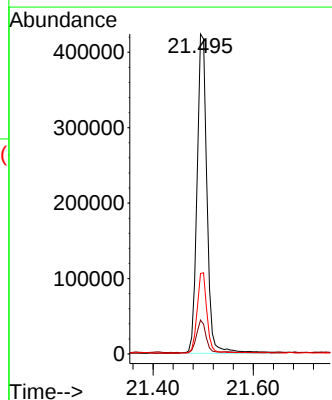
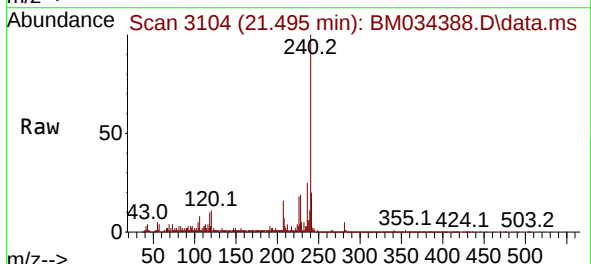
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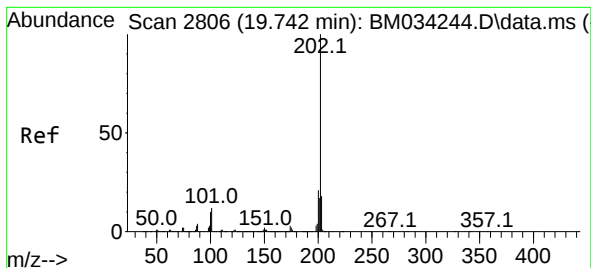
Tgt Ion:202 Resp: 500298
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.4
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:240 Resp: 582650
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.2 20.2 30.2





#78

Pyrene

Concen: 15.363 ng

RT: 19.742 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

CHRT-2001

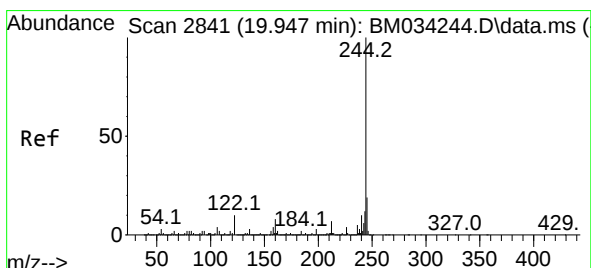
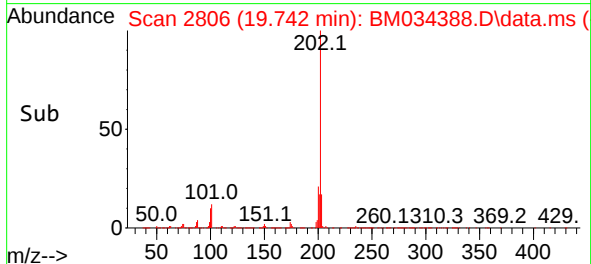
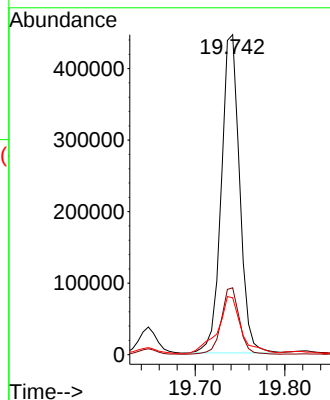
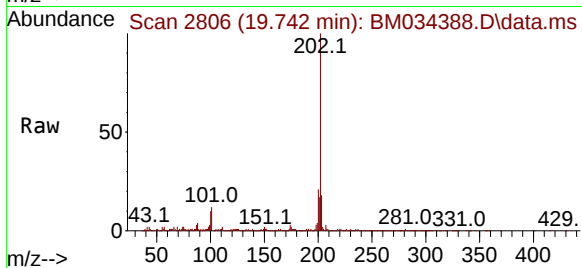
Tgt Ion:202 Resp: 630660

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 73.408 ng

RT: 19.942 min Scan# 2840

Delta R.T. 0.006 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

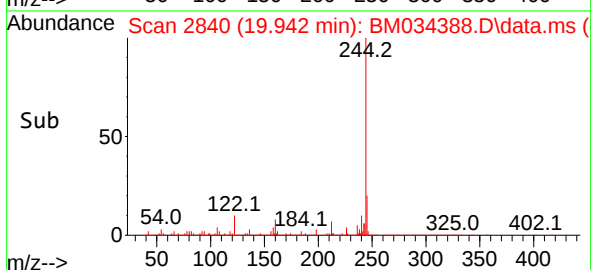
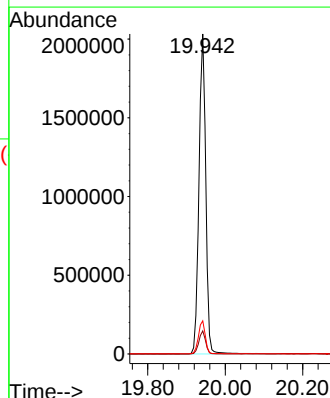
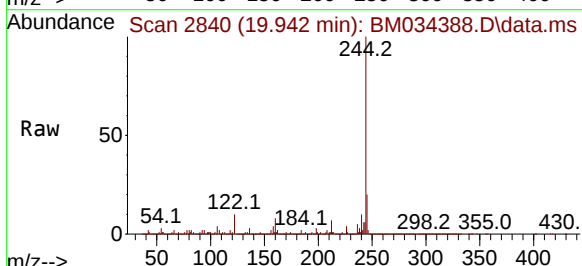
Tgt Ion:244 Resp: 2461489

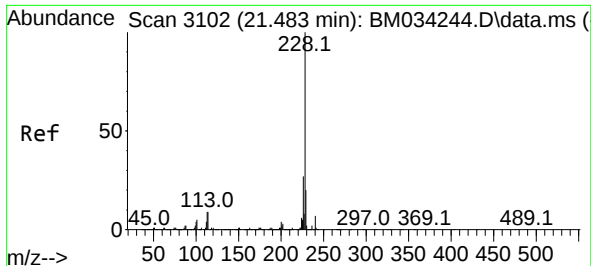
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.3 7.8 11.8

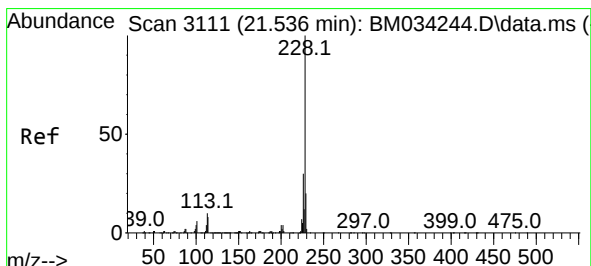
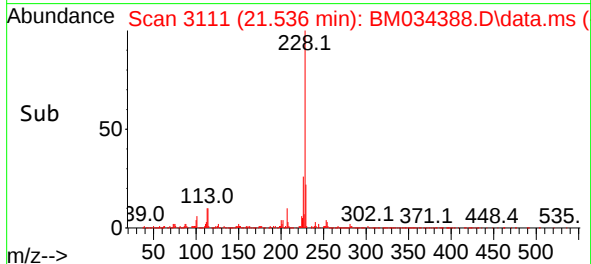
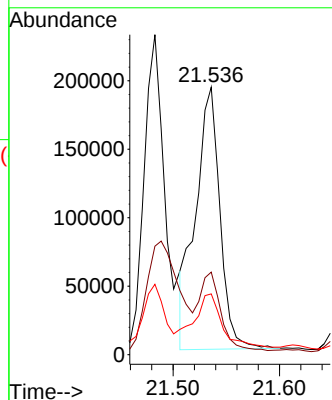
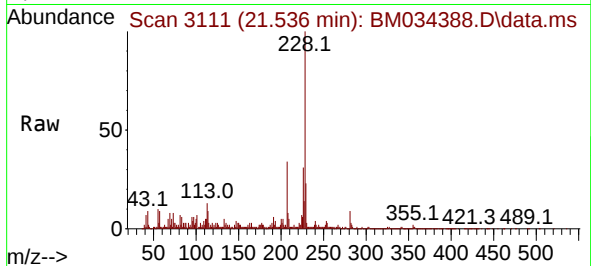




#81
Benzo(a)anthracene
Concen: 8.329 ng
RT: 21.536 min Scan# 3111
Delta R.T. 0.059 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

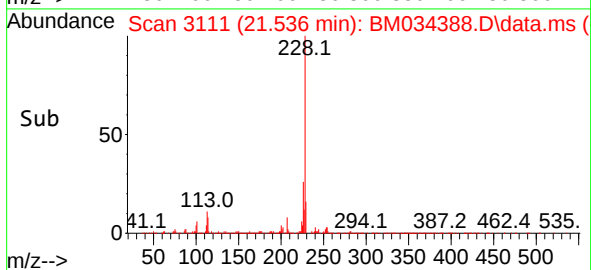
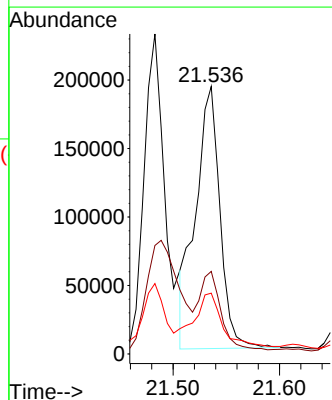
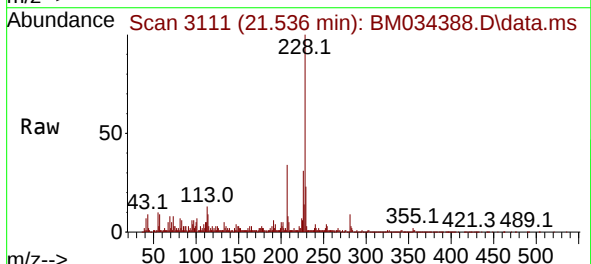
Instrument :
BNA_M
ClientSampleId :
CHRT-2001

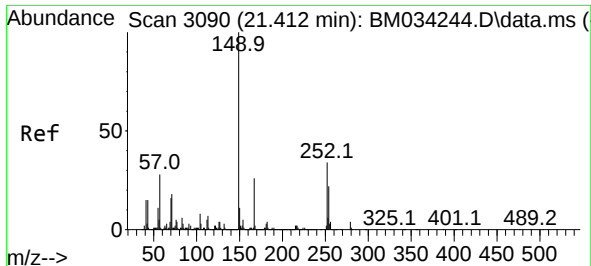
Tgt Ion:228 Resp: 306280
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 22.7 15.8 23.6



#83
Chrysene
Concen: 8.156 ng
RT: 21.536 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:228 Resp: 306280
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.6
229 22.7 15.6 23.4

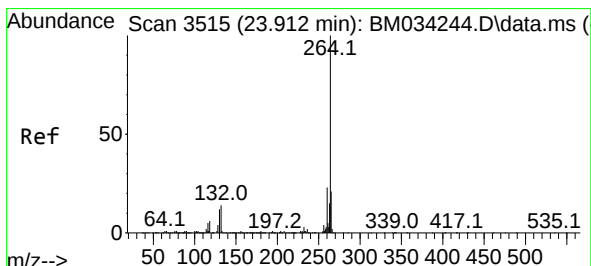
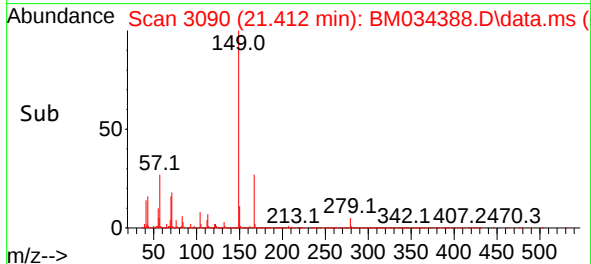
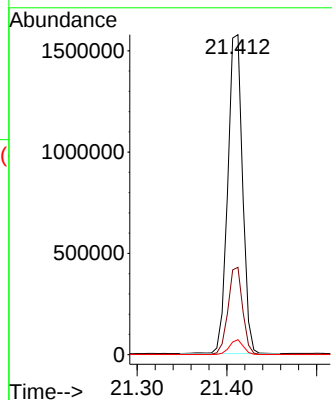
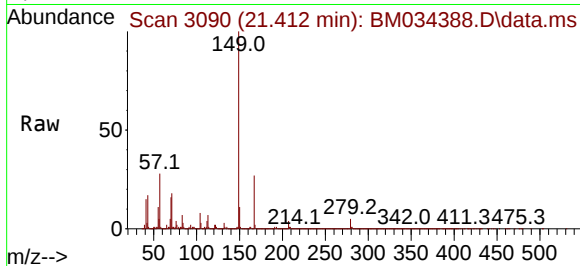




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 70.039 ng
 RT: 21.412 min Scan# 3090
 Delta R.T. 0.006 min
 Lab File: BM034388.D
 Acq: 25 Mar 2022 17:01

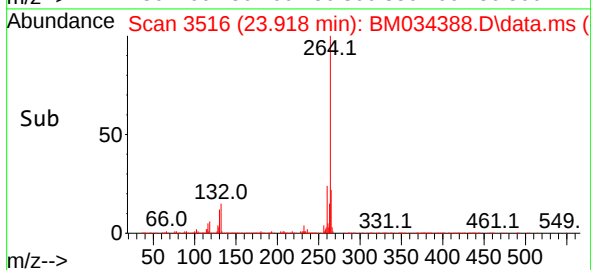
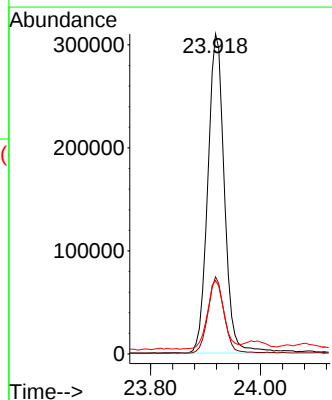
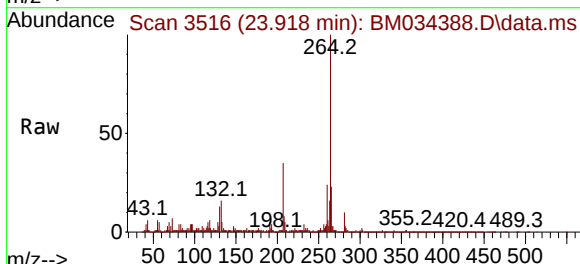
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-2001

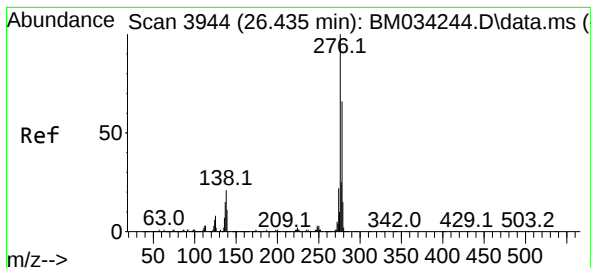
Tgt Ion:149 Resp: 1795571
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.2 31.8
 279 4.7 3.4 5.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.918 min Scan# 3516
 Delta R.T. 0.012 min
 Lab File: BM034388.D
 Acq: 25 Mar 2022 17:01

Tgt Ion:264 Resp: 648011
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.6 28.0
 265 23.0 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.765 ng

RT: 26.441 min Scan# 3945

Delta R.T. 0.018 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

CHRT-2001

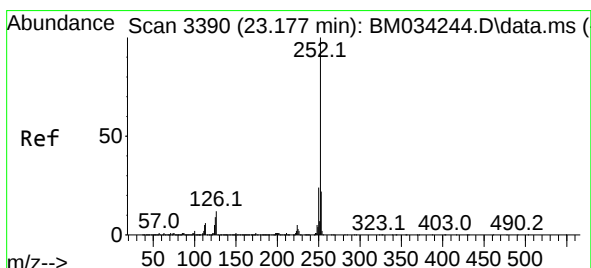
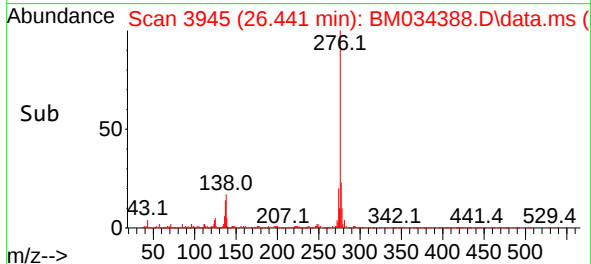
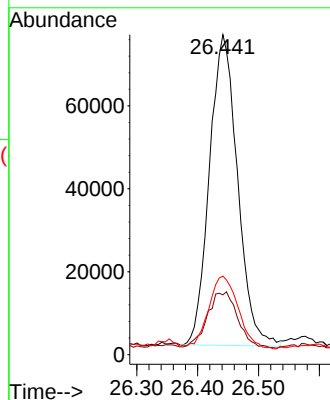
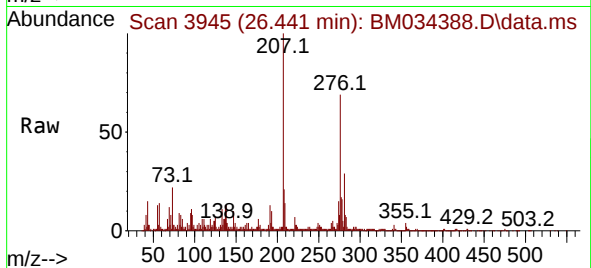
Tgt Ion:276 Resp: 240319

Ion Ratio Lower Upper

276 100

138 19.6 16.6 25.0

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 15.834 ng

RT: 23.183 min Scan# 3391

Delta R.T. 0.012 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

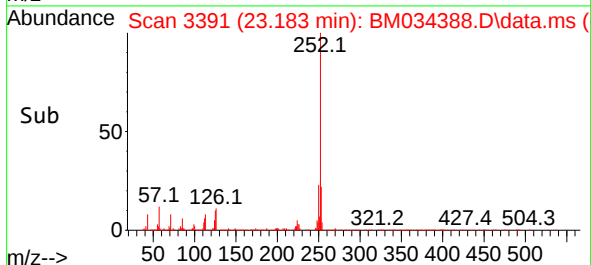
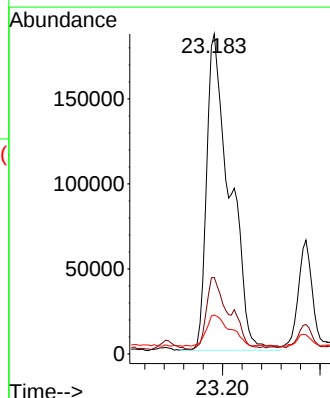
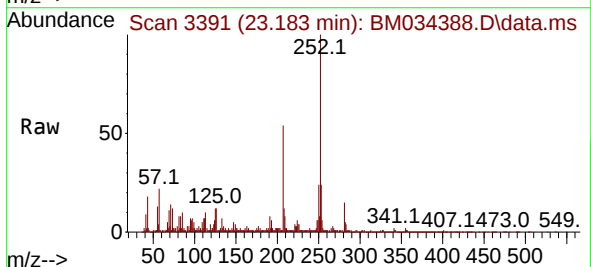
Tgt Ion:252 Resp: 613576

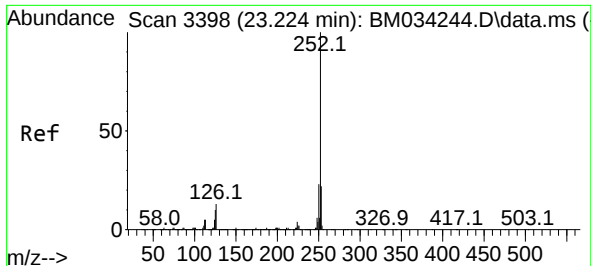
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 12.1 7.2 10.8#

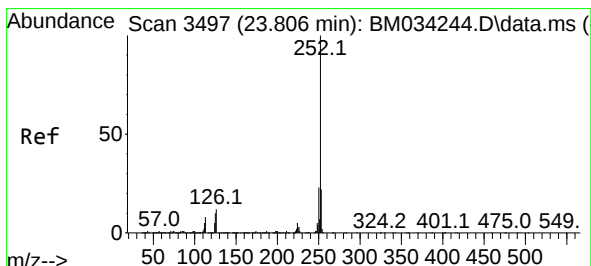
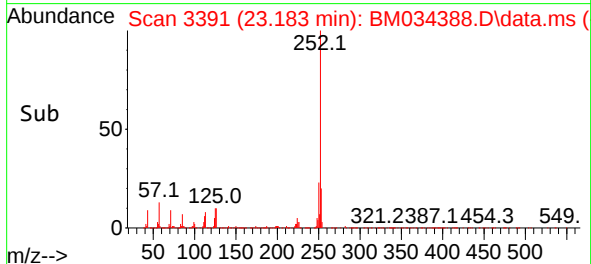
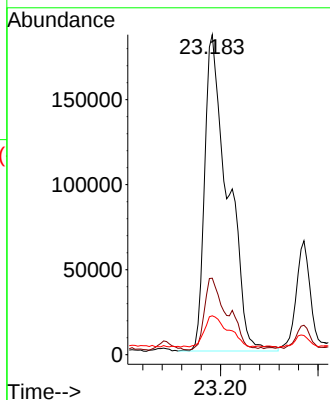
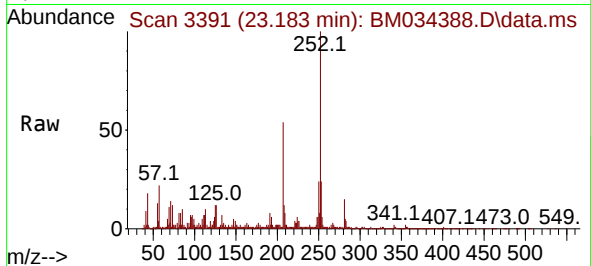




#89
Benzo(k)fluoranthene
Concen: 14.948 ng
RT: 23.183 min Scan# 31
Delta R.T. -0.041 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

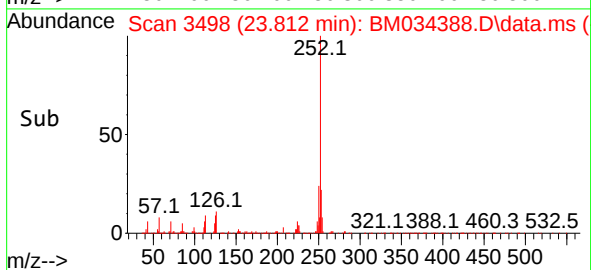
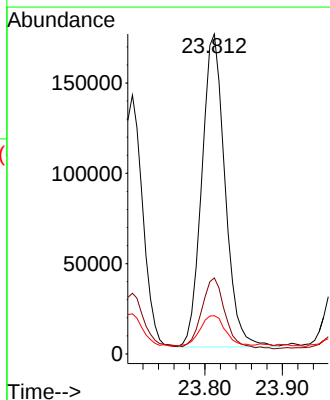
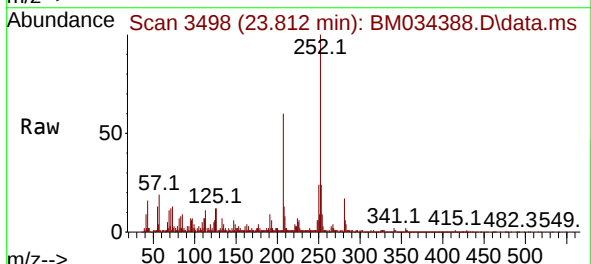
Instrument :
BNA_M
ClientSampleId :
CHRT-2001

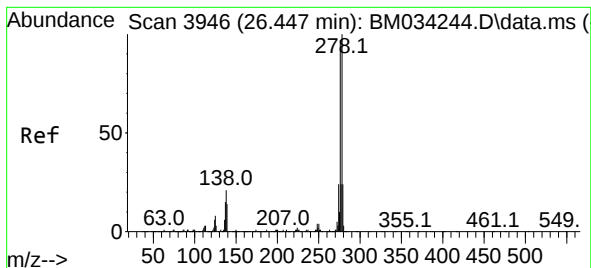
Tgt Ion:252 Resp: 613576
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 12.1 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 10.962 ng
RT: 23.812 min Scan# 3498
Delta R.T. 0.012 min
Lab File: BM034388.D
Acq: 25 Mar 2022 17:01

Tgt Ion:252 Resp: 360097
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 12.0 7.8 11.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.003 ng

RT: 26.447 min Scan# 3946

Delta R.T. 0.006 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

Instrument :

BNA_M

ClientSampleId :

CHRT-2001

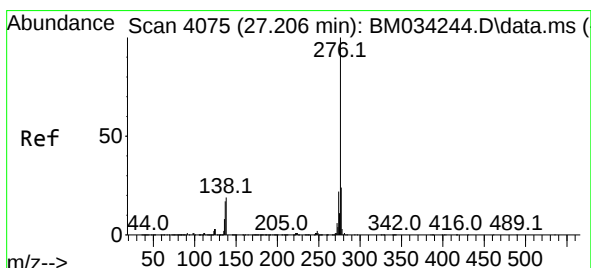
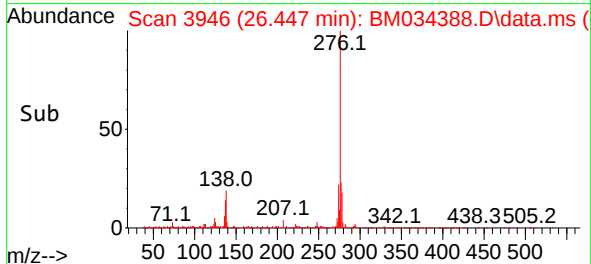
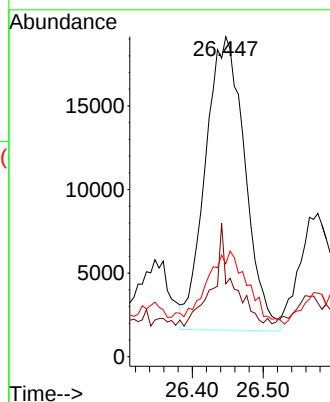
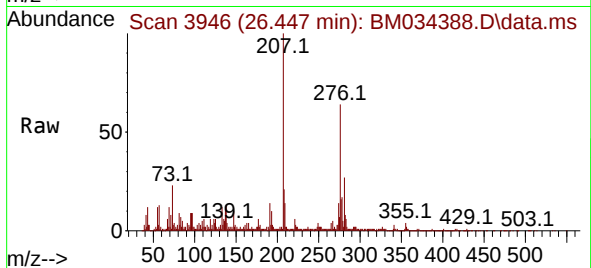
Tgt Ion:278 Resp: 67712

Ion Ratio Lower Upper

278 100

139 22.8 11.2 16.8#

279 29.0 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 7.672 ng

RT: 27.218 min Scan# 4077

Delta R.T. 0.018 min

Lab File: BM034388.D

Acq: 25 Mar 2022 17:01

Tgt Ion:276 Resp: 268398

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 19.8 15.6 23.4

