

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034374.D
 Acq On : 24 Mar 2022 22:17
 Operator : CG/JU
 Sample : N2077-11 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-3-2

Quant Time: Mar 25 01:11:03 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)

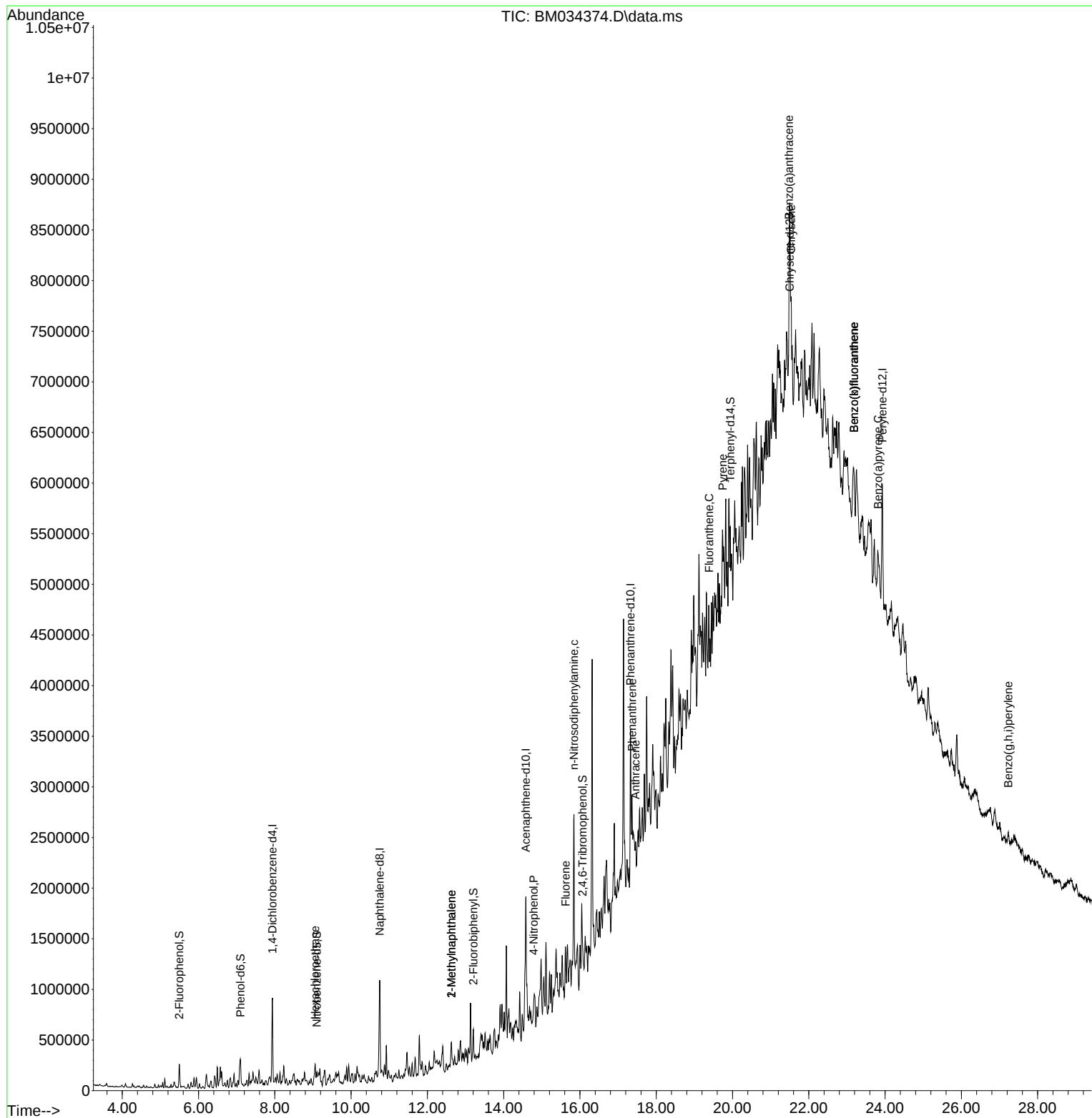
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	190722	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	695217	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	381596	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	680713	20.000	ng	# 0.00
76) Chrysene-d12	21.500	240	703842	20.000	ng	# 0.00
86) Perylene-d12	23.930	264	797825	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	86481	8.135	ng	0.00
7) Phenol-d6	7.101	99	98524	6.473	ng	0.00
23) Nitrobenzene-d5	9.101	82	69180	4.845	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	33679	6.548	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	144940	5.190	ng	0.00
79) Terphenyl-d14	19.942	244	195984	4.838	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.054	117	10899	2.046	ng	# 1
37) 2-Methylnaphthalene	12.630	142	104822	4.056	ng	93
38) 1-Methylnaphthalene	12.630	142	104822	4.146	ng	98
56) 4-Nitrophenol	14.789	139	17284	3.567	ng	# 35
58) Fluorene	15.624	166	57860	2.040	ng	# 72
66) n-Nitrosodiphenylamine	15.842	169	103490	4.785	ng	# 48
71) Phenanthrene	17.365	178	347681	9.120	ng	# 93
72) Anthracene	17.454	178	124901	3.366	ng	# 79
75) Fluoranthene	19.383	202	121392	2.841	ng	65
78) Pyrene	19.742	202	517277	10.431	ng	# 94
81) Benzo(a)anthracene	21.483	228	344497	7.755	ng	# 72
83) Chrysene	21.536	228	490474	10.812	ng	# 77
88) Benzo(b)fluoranthene	23.189	252	200101	4.194	ng	# 25
89) Benzo(k)fluoranthene	23.189	252	200101	3.959	ng	# 24
90) Benzo(a)pyrene	23.818	252	215668	5.332	ng	# 53
92) Benzo(g,h,i)perylene	27.229	276	138697	3.220	ng	# 77

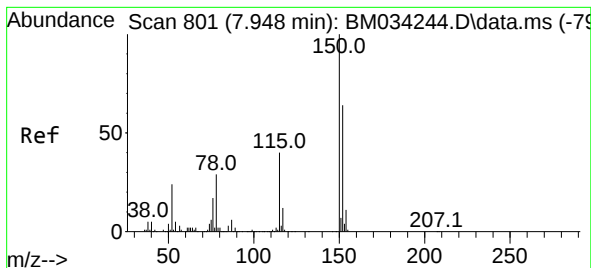
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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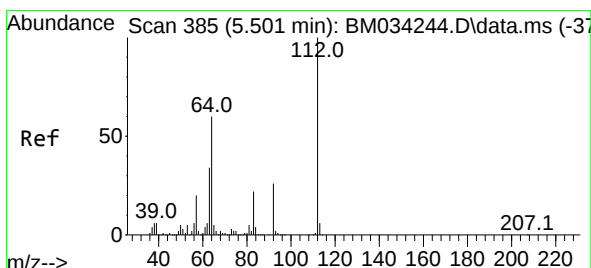
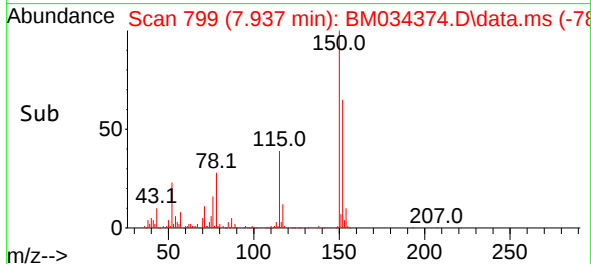
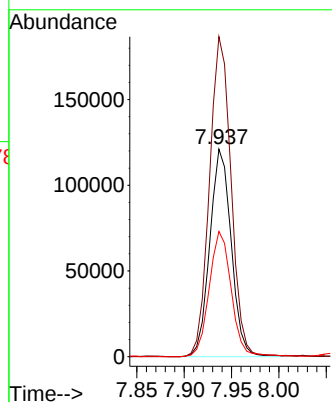
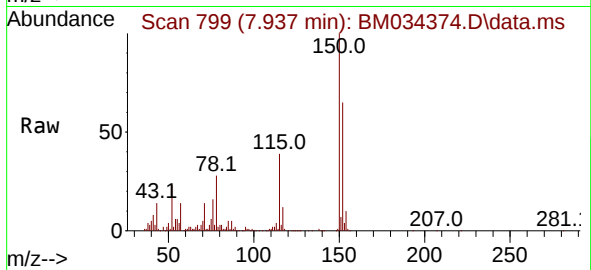




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

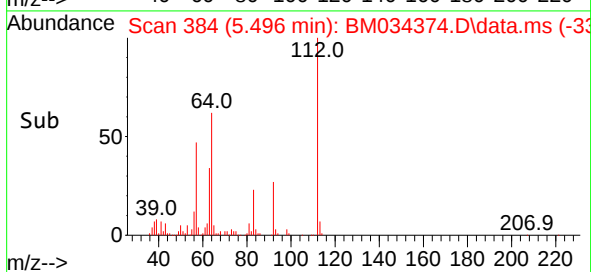
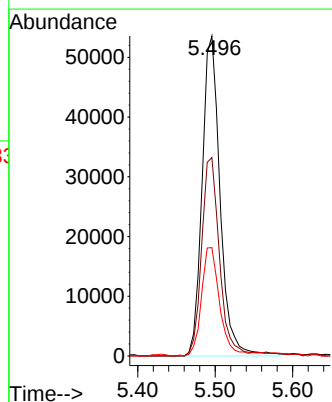
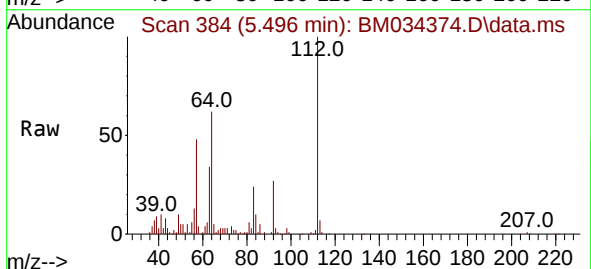
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-2

Tgt Ion:152 Resp: 190722
Ion Ratio Lower Upper
152 100
150 154.2 125.4 188.2
115 60.4 50.1 75.1



#5
2-Fluorophenol
Concen: 8.135 ng
RT: 5.496 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion:112 Resp: 86481
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 33.9 27.1 40.7

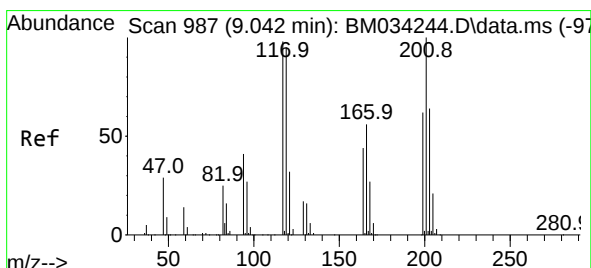
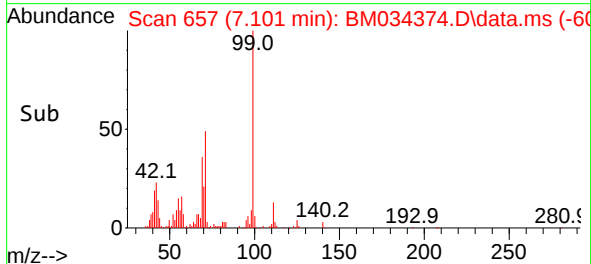
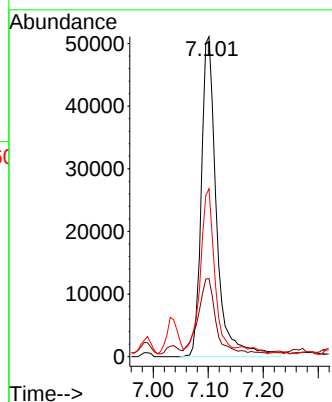
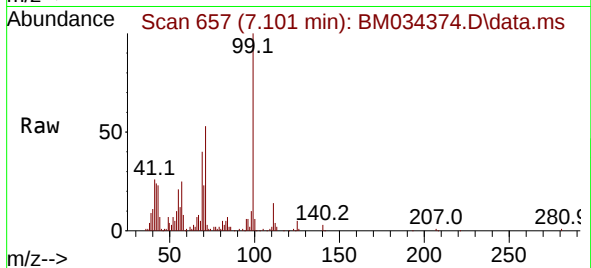




#7
Phenol-d6
Concen: 6.473 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

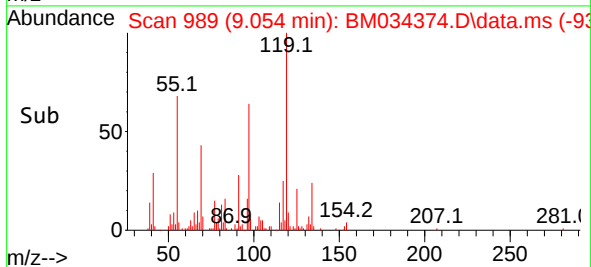
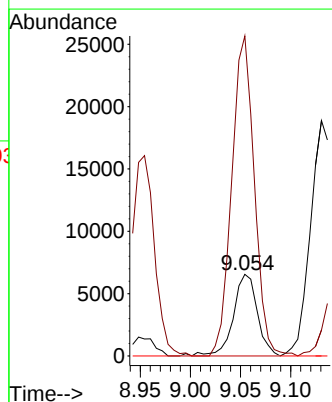
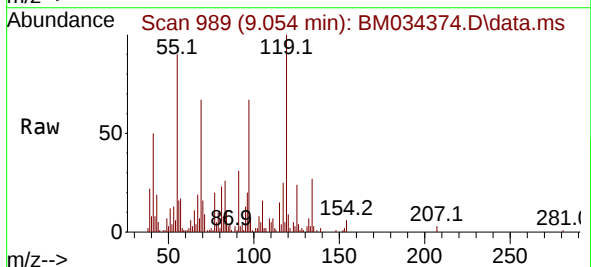
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-2

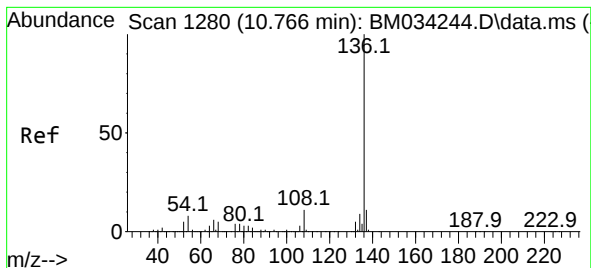
Tgt Ion: 99 Resp: 98524
Ion Ratio Lower Upper
99 100
42 24.4 15.6 23.4#
71 52.5 30.6 46.0#



#18
Hexachloroethane
Concen: 2.046 ng
RT: 9.054 min Scan# 989
Delta R.T. 0.024 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion: 117 Resp: 10899
Ion Ratio Lower Upper
117 100
119 392.2 77.4 116.0#
201 0.0 81.6 122.4#

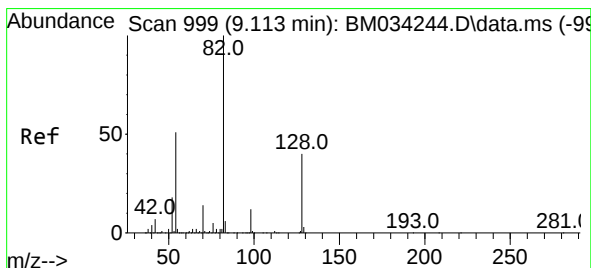
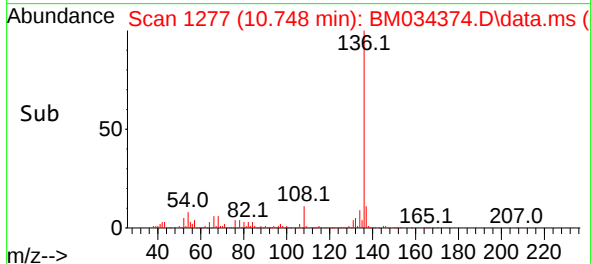
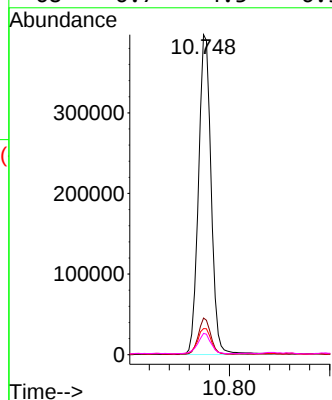
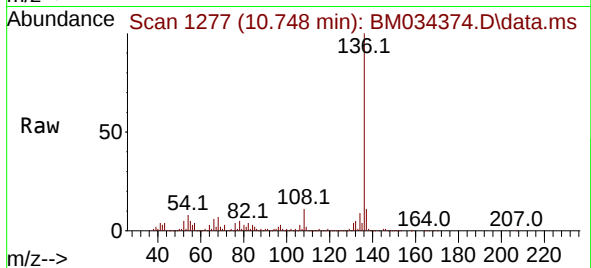




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

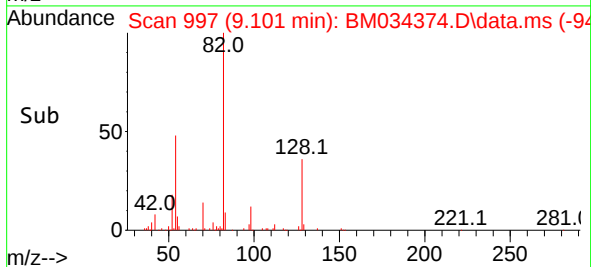
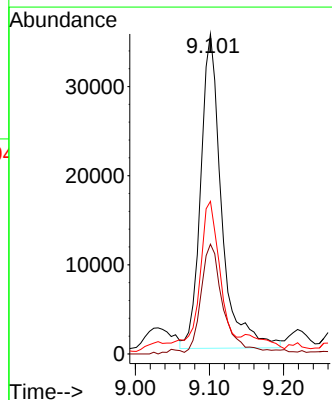
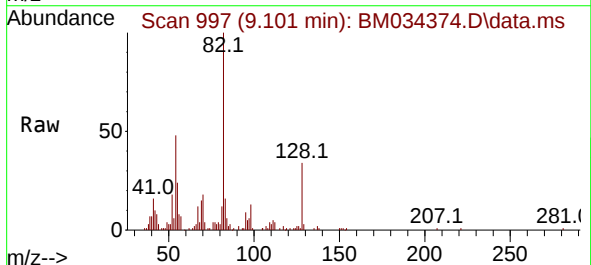
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-2

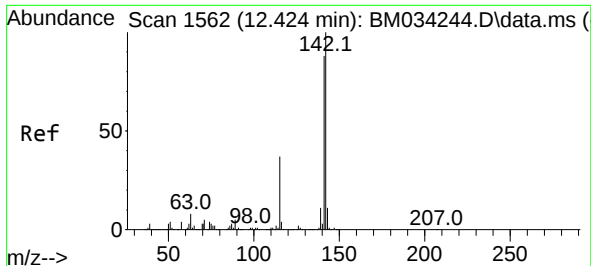
Tgt Ion:136 Resp: 695217
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.2 6.2 9.4
68 6.7 4.3 6.5#



#23
Nitrobenzene-d5
Concen: 4.845 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion: 82 Resp: 69180
Ion Ratio Lower Upper
82 100
128 34.3 31.9 47.9
54 47.7 40.6 61.0





#37

2-Methylnaphthalene

Concen: 4.056 ng

RT: 12.630 min Scan# 1597

Delta R.T. 0.218 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

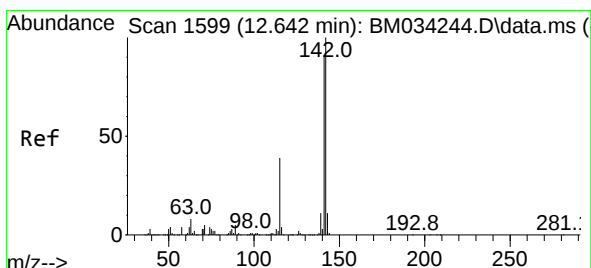
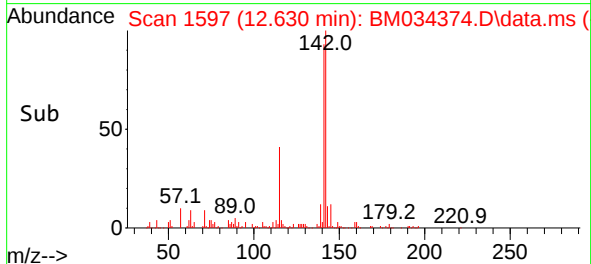
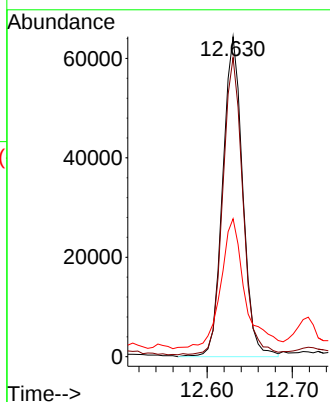
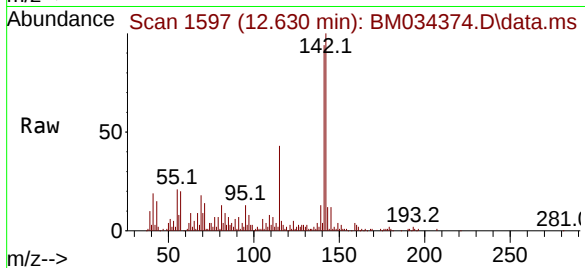
Tgt Ion:142 Resp: 104822

Ion Ratio Lower Upper

142 100

141 93.5 70.1 105.1

115 43.1 29.9 44.9



#38

1-Methylnaphthalene

Concen: 4.146 ng

RT: 12.630 min Scan# 1597

Delta R.T. -0.000 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

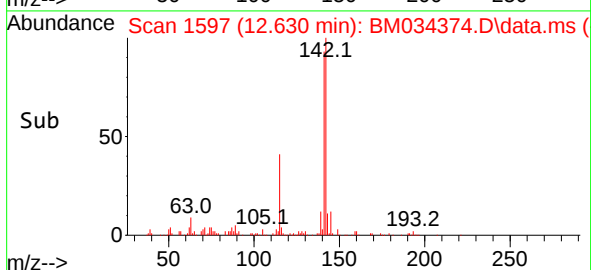
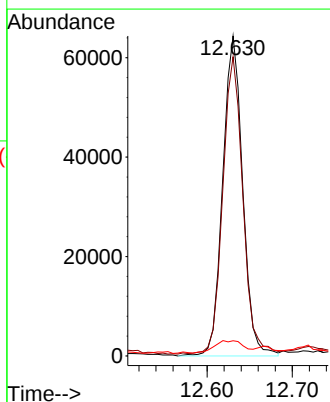
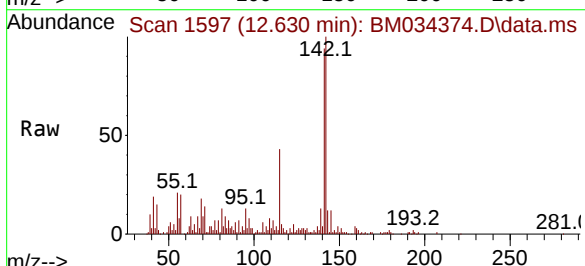
Tgt Ion:142 Resp: 104822

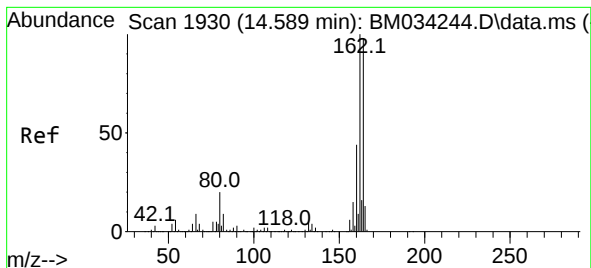
Ion Ratio Lower Upper

142 100

141 93.5 73.0 109.6

116 4.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.583 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

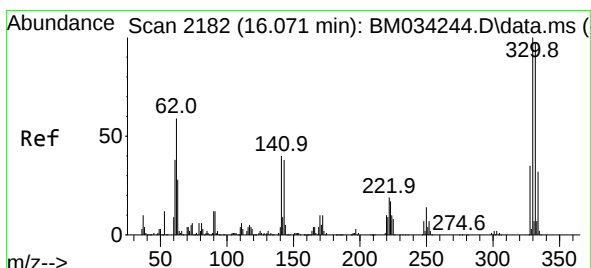
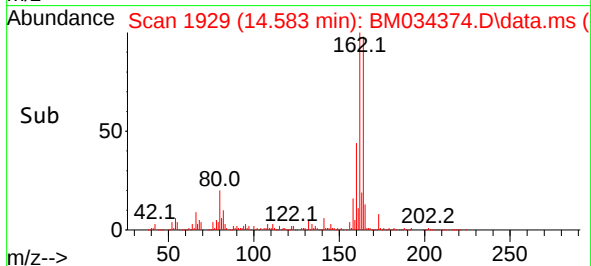
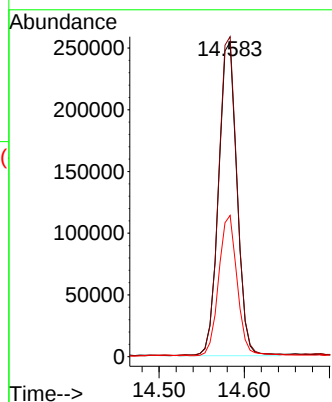
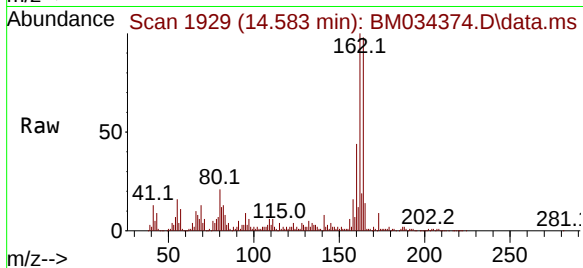
Tgt Ion:164 Resp: 381596

Ion Ratio Lower Upper

164 100

162 101.7 81.6 122.4

160 44.9 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 6.548 ng

RT: 16.065 min Scan# 2181

Delta R.T. -0.000 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

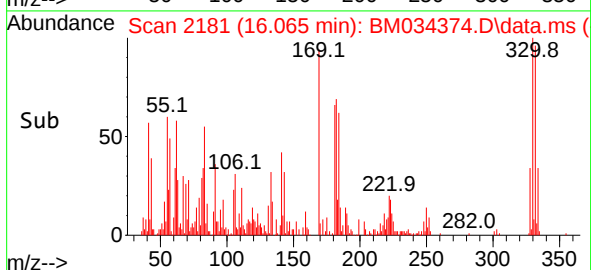
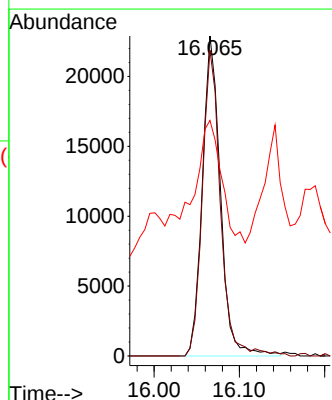
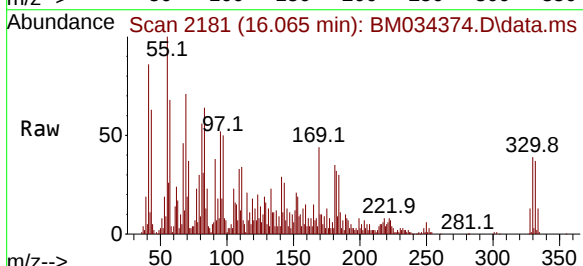
Tgt Ion:330 Resp: 33679

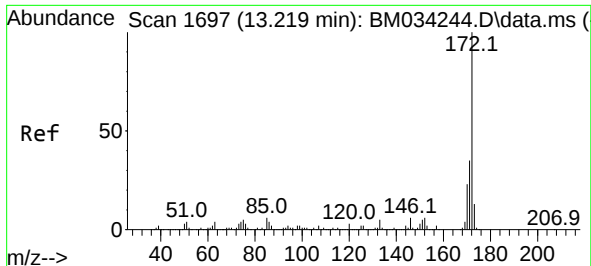
Ion Ratio Lower Upper

330 100

332 96.2 78.2 117.4

141 52.5 30.6 45.8#

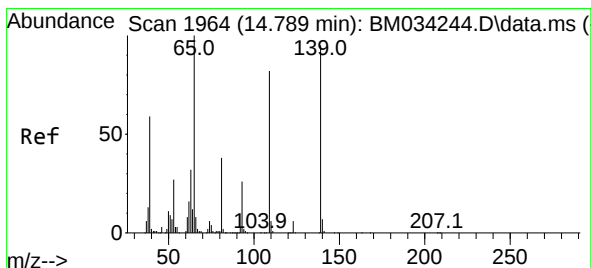
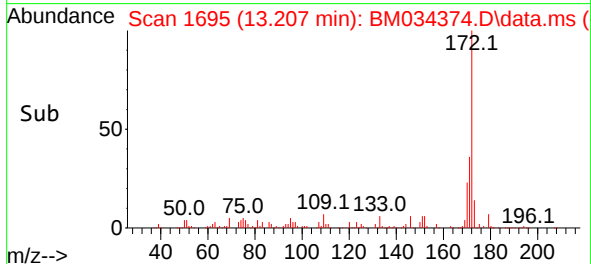
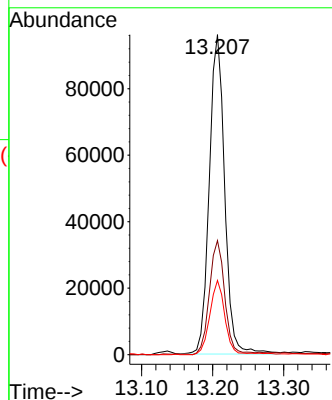
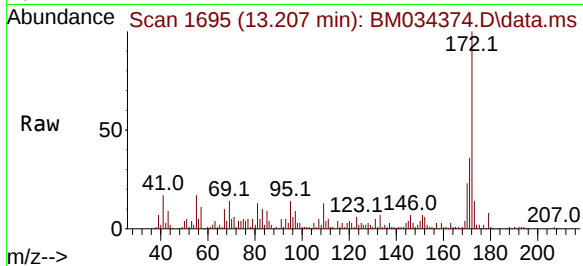




#45
2-Fluorobiphenyl
Concen: 5.190 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

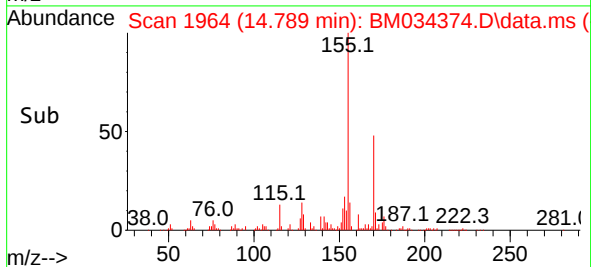
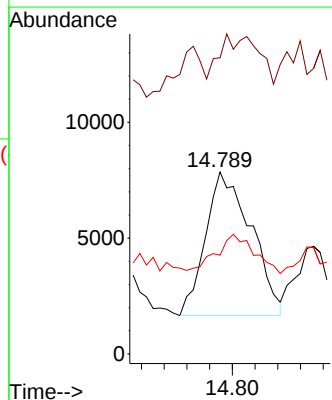
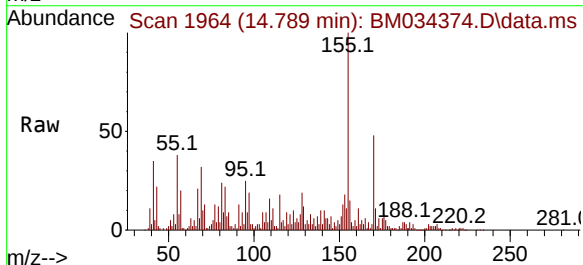
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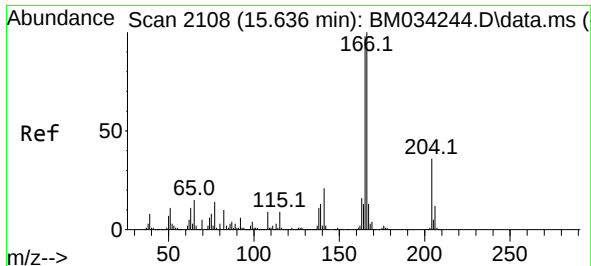
Tgt Ion:172 Resp: 144940
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.2 18.6 28.0



#56
4-Nitrophenol
Concen: 3.567 ng
RT: 14.789 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion:139 Resp: 17284
Ion Ratio Lower Upper
139 100
109 162.7 66.3 106.3#
65 54.3 85.5 125.5#

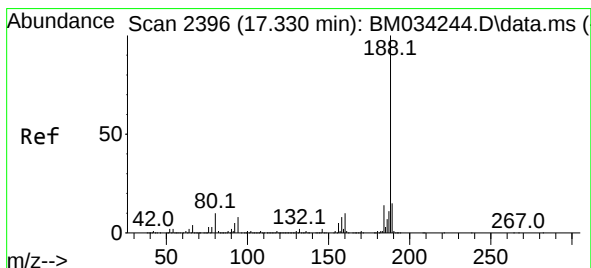
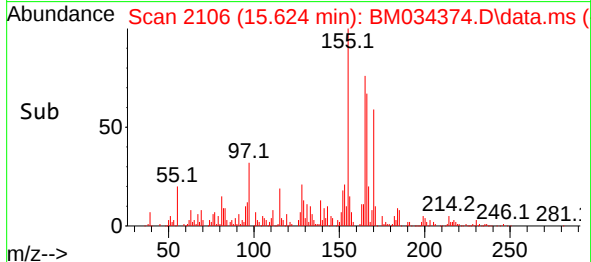
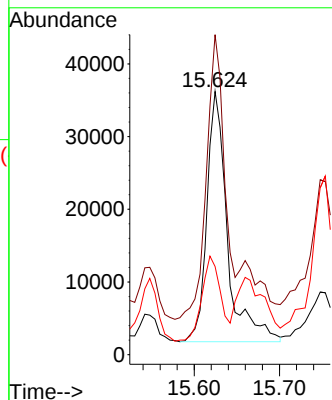
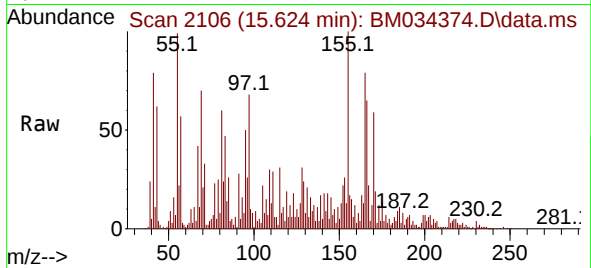




#58
Fluorene
Concen: 2.040 ng
RT: 15.624 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

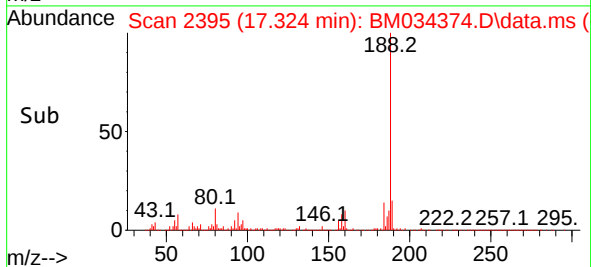
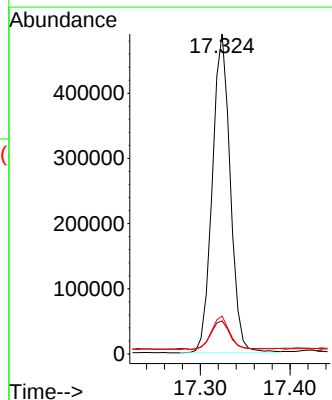
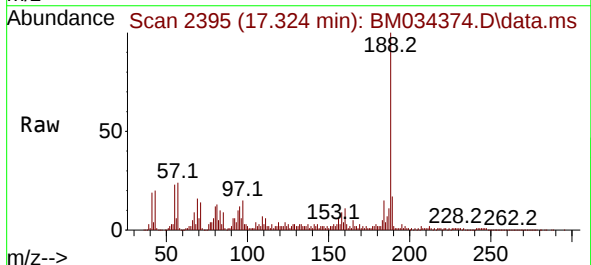
Instrument :
BNA_M
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WC-14A-3-2

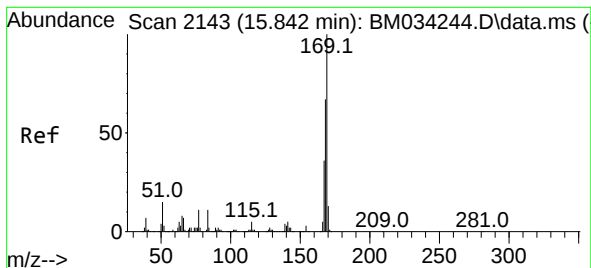
Tgt Ion:166 Resp: 57860
Ion Ratio Lower Upper
166 100
165 121.6 78.0 117.0#
167 33.5 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion:188 Resp: 680713
Ion Ratio Lower Upper
188 100
94 10.3 6.6 9.8#
80 11.9 7.8 11.8#





#66

n-Nitrosodiphenylamine

Concen: 4.785 ng

RT: 15.842 min Scan# 2143

Delta R.T. 0.006 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

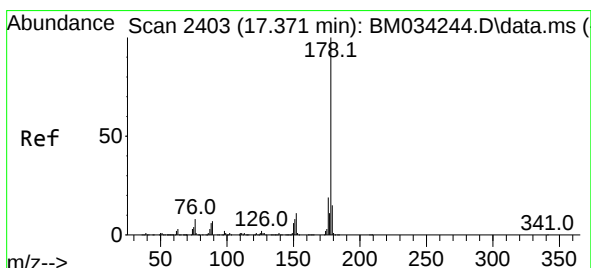
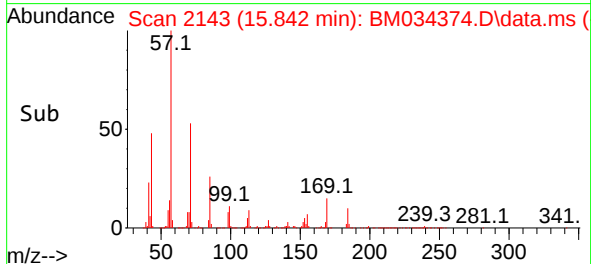
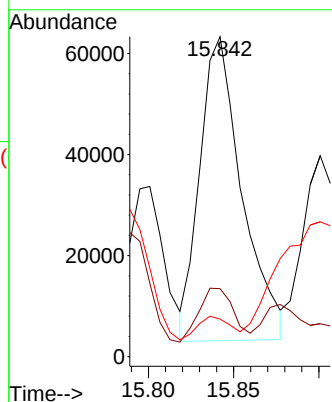
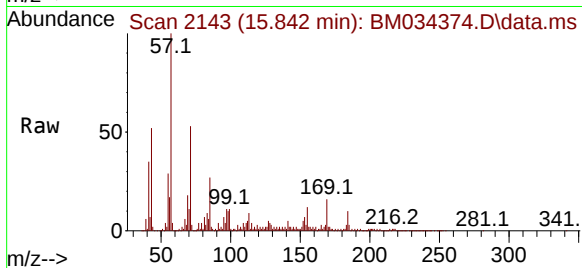
Tgt Ion:169 Resp: 103490

Ion Ratio Lower Upper

169 100

168 21.2 53.9 80.9#

167 11.7 29.0 43.4#



#71

Phenanthrene

Concen: 9.120 ng

RT: 17.365 min Scan# 2402

Delta R.T. -0.000 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

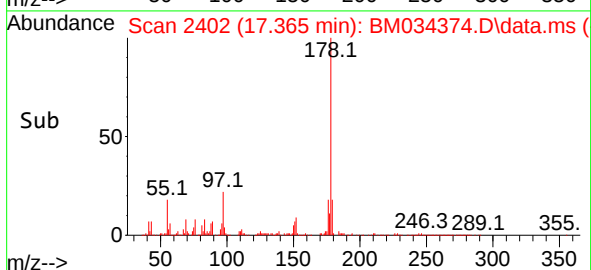
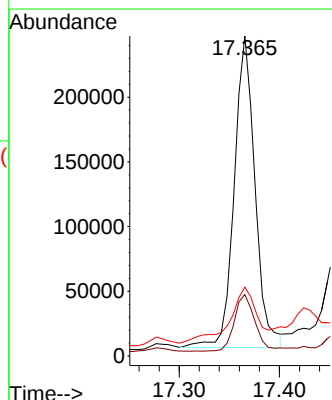
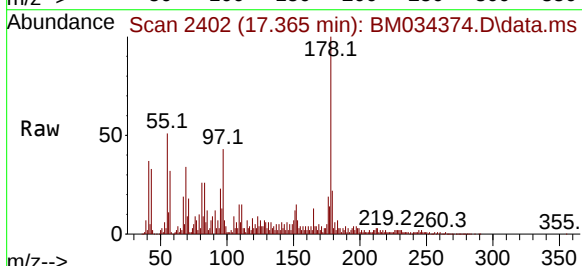
Tgt Ion:178 Resp: 347681

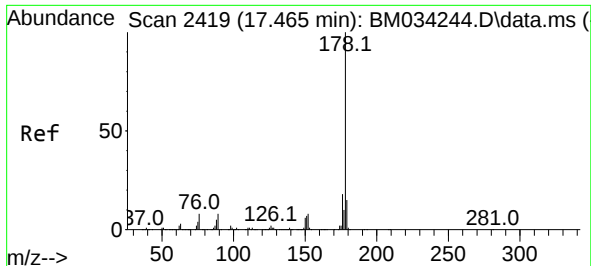
Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 21.5 12.2 18.4#

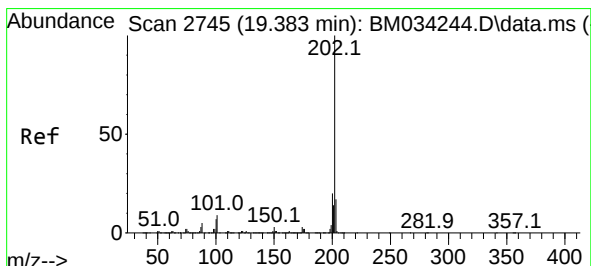
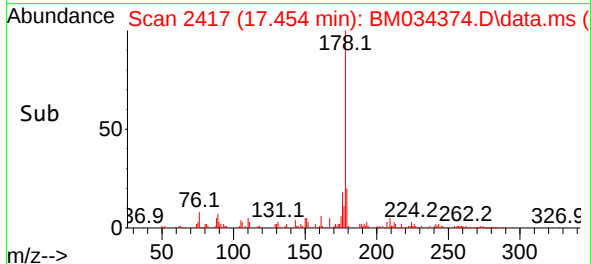
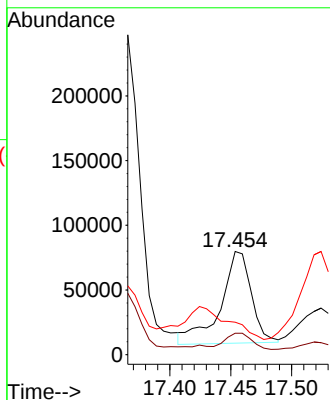
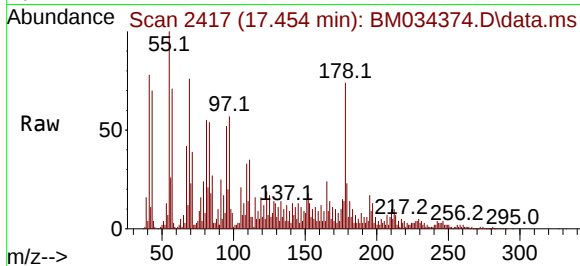




#72
 Anthracene
 Concen: 3.366 ng
 RT: 17.454 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM034374.D
 Acq: 24 Mar 2022 22:17

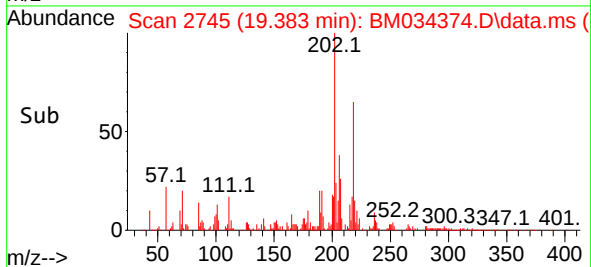
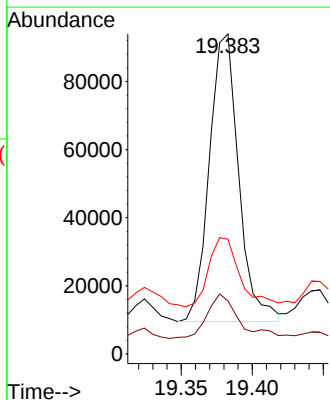
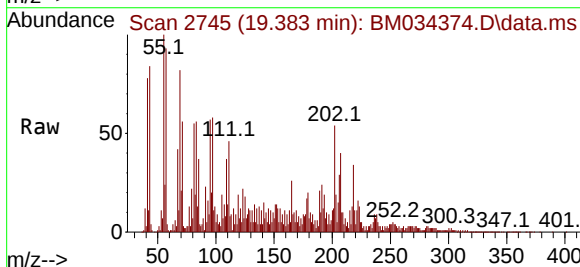
Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-3-2

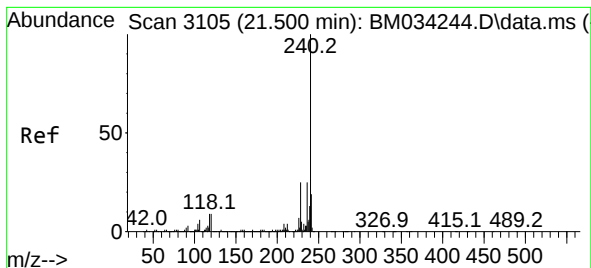
Tgt Ion:178 Resp: 124901
 Ion Ratio Lower Upper
 178 100
 176 20.9 14.6 22.0
 179 31.6 12.2 18.2#



#75
 Fluoranthene
 Concen: 2.841 ng
 RT: 19.383 min Scan# 2745
 Delta R.T. 0.006 min
 Lab File: BM034374.D
 Acq: 24 Mar 2022 22:17

Tgt Ion:202 Resp: 121392
 Ion Ratio Lower Upper
 202 100
 101 16.6 0.0 29.4
 203 35.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.500 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

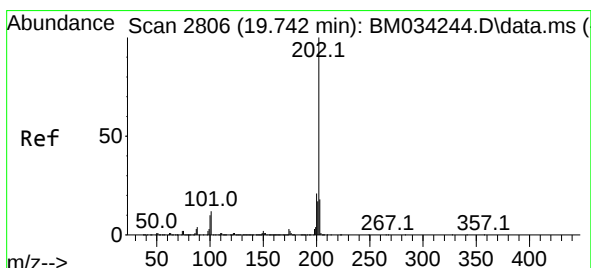
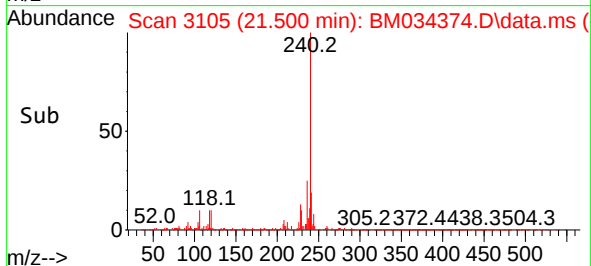
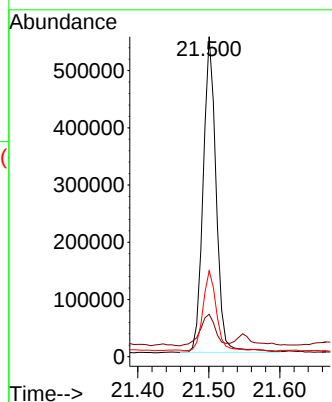
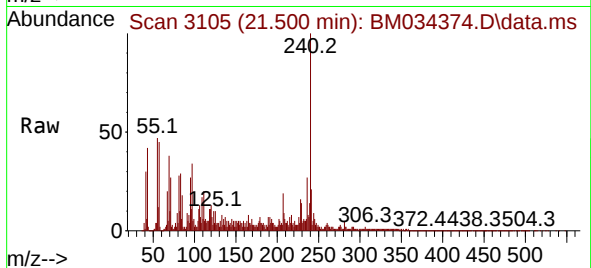
Tgt Ion:240 Resp: 703842

Ion Ratio Lower Upper

240 100

120 13.3 7.3 10.9#

236 26.8 20.2 30.2



#78

Pyrene

Concen: 10.431 ng

RT: 19.742 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

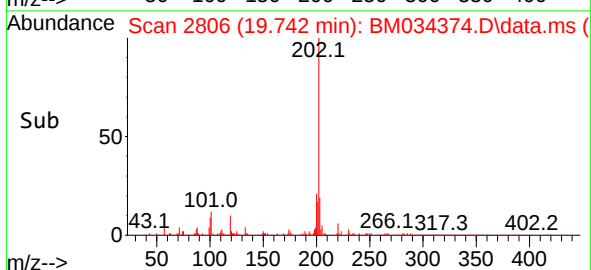
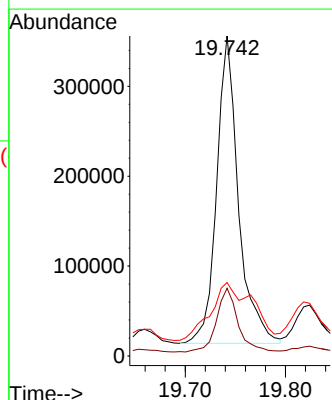
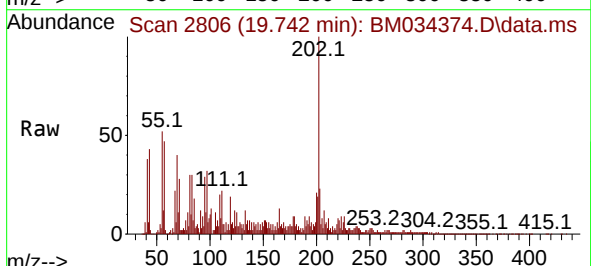
Tgt Ion:202 Resp: 517277

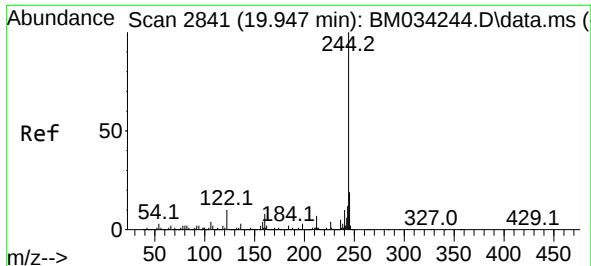
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 23.0 14.1 21.1#

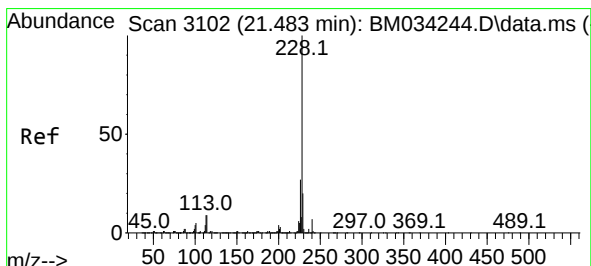
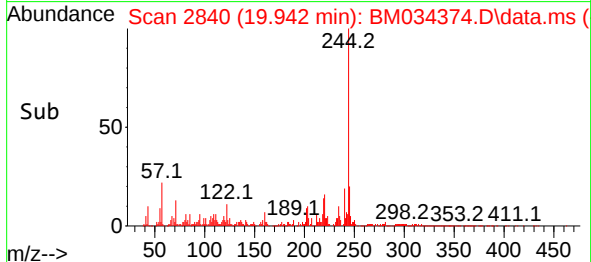
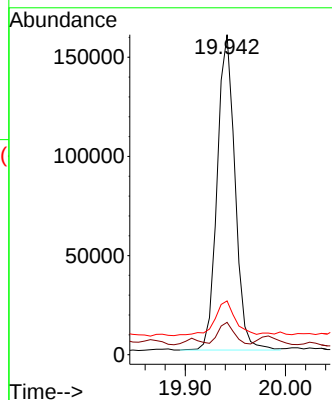
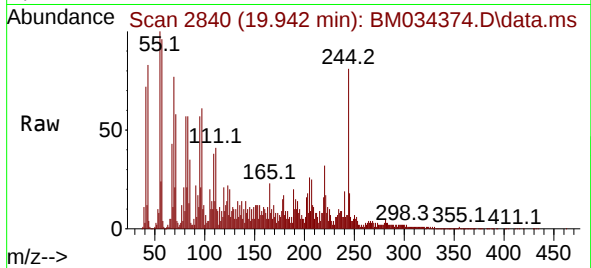




#79
 Terphenyl-d14
 Concen: 4.838 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM034374.D
 Acq: 24 Mar 2022 22:17

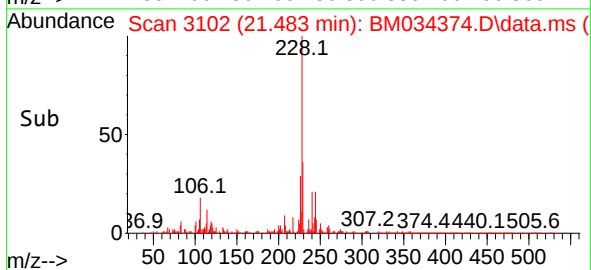
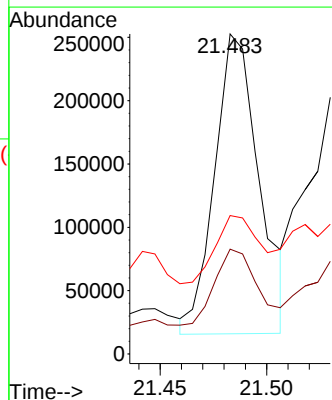
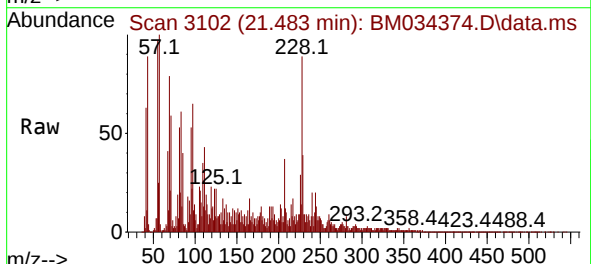
Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-3-2

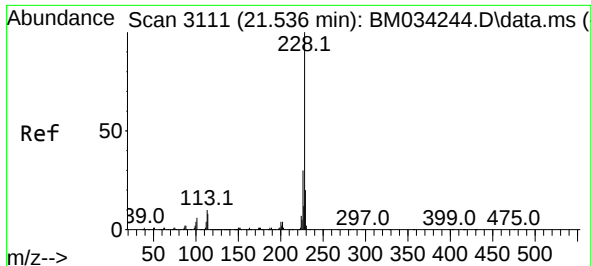
Tgt Ion:244 Resp: 195984
 Ion Ratio Lower Upper
 244 100
 212 10.1 5.9 8.9#
 122 16.8 7.8 11.8#



#81
 Benzo(a)anthracene
 Concen: 7.755 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. 0.006 min
 Lab File: BM034374.D
 Acq: 24 Mar 2022 22:17

Tgt Ion:228 Resp: 344497
 Ion Ratio Lower Upper
 228 100
 226 32.7 21.6 32.4#
 229 43.3 15.8 23.6#





#83

Chrysene

Concen: 10.812 ng

RT: 21.536 min Scan# 3111

Delta R.T. -0.000 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

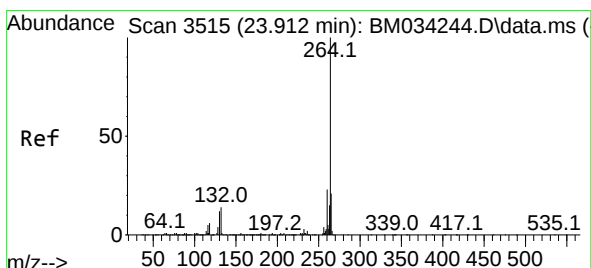
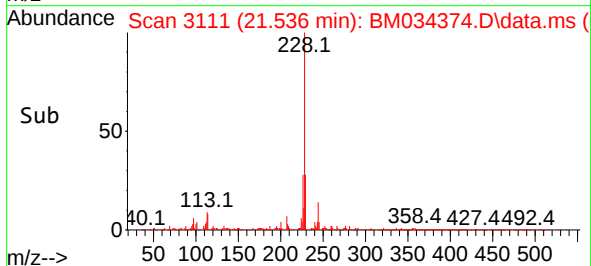
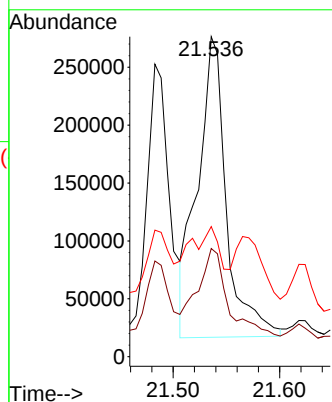
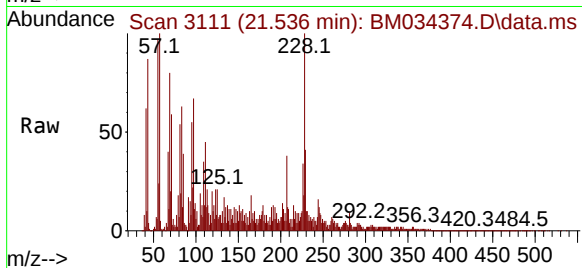
Tgt Ion:228 Resp: 490474

Ion Ratio Lower Upper

228 100

226 33.8 23.8 35.6

229 40.7 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.930 min Scan# 3518

Delta R.T. 0.024 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

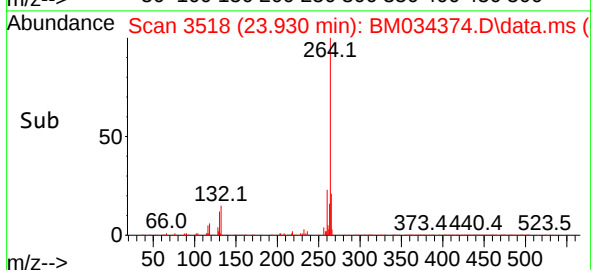
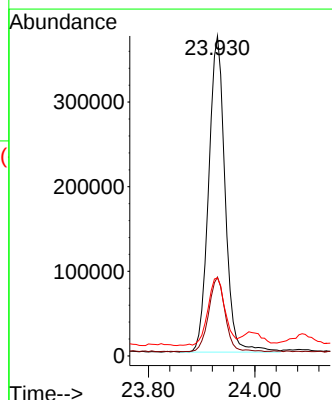
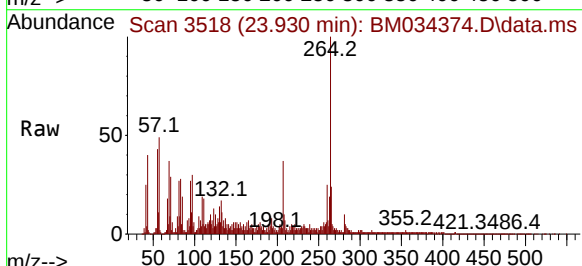
Tgt Ion:264 Resp: 797825

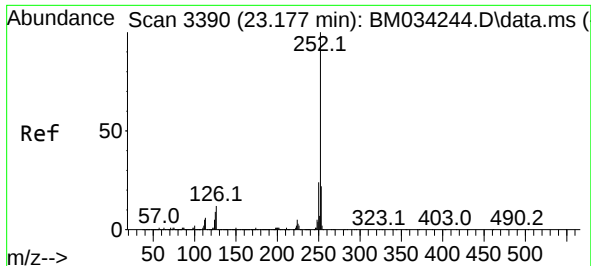
Ion Ratio Lower Upper

264 100

260 24.6 18.6 28.0

265 24.4 17.6 26.4

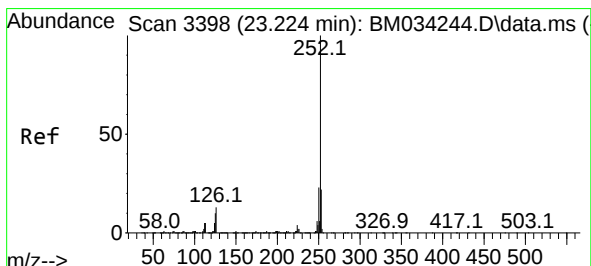
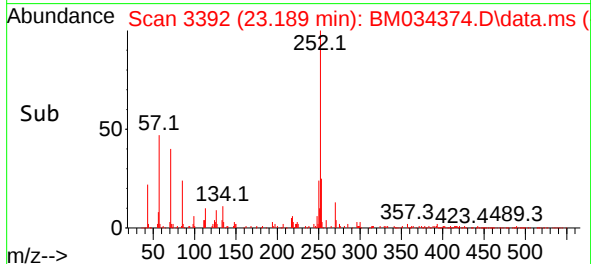
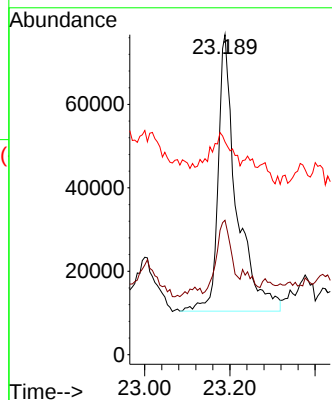
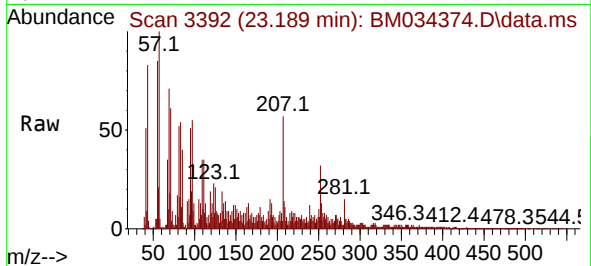




#88
Benzo(b)fluoranthene
Concen: 4.194 ng
RT: 23.189 min Scan# 3390
Delta R.T. 0.018 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

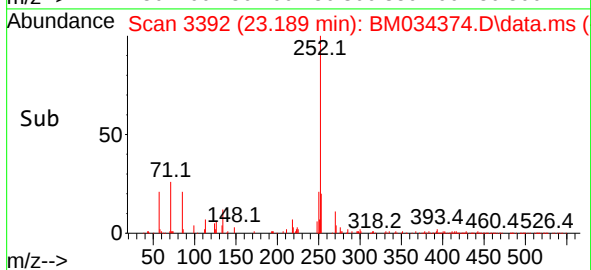
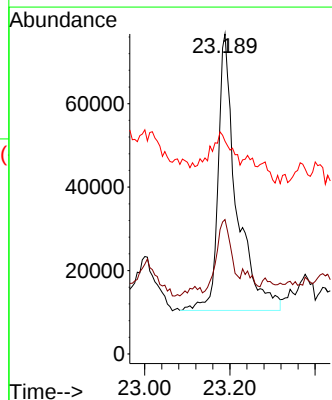
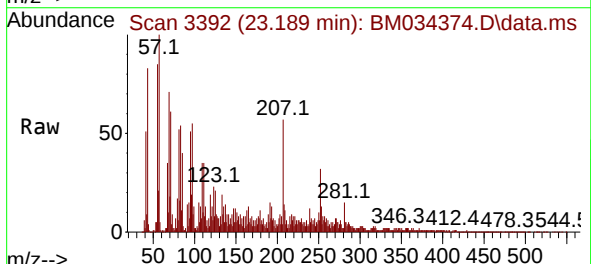
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-2

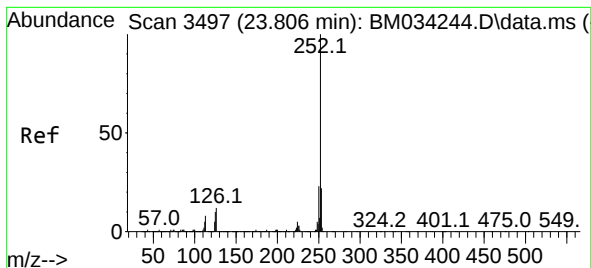
Tgt Ion:252 Resp: 200101
Ion Ratio Lower Upper
252 100
253 42.0 17.8 26.8#
125 66.5 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 3.959 ng
RT: 23.189 min Scan# 3392
Delta R.T. -0.035 min
Lab File: BM034374.D
Acq: 24 Mar 2022 22:17

Tgt Ion:252 Resp: 200101
Ion Ratio Lower Upper
252 100
253 42.0 17.6 26.4#
125 66.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 5.332 ng

RT: 23.818 min Scan# 34

Delta R.T. 0.018 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Instrument :

BNA_M

ClientSampleId :

WC-14A-3-2

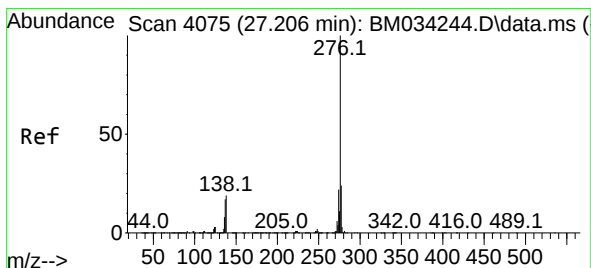
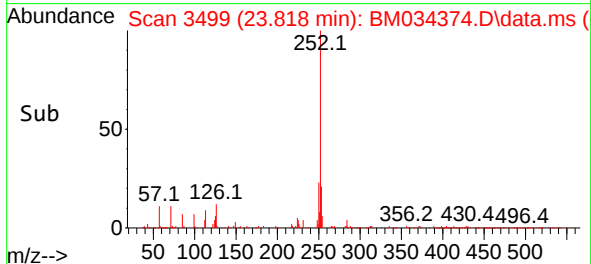
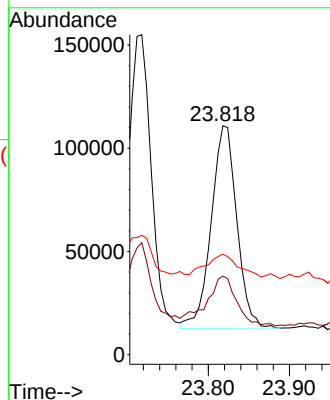
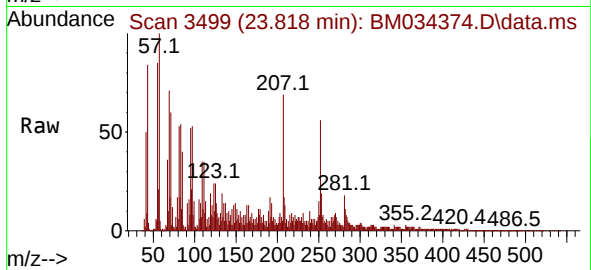
Tgt Ion:252 Resp: 215668

Ion Ratio Lower Upper

252 100

253 34.3 17.5 26.3#

125 43.9 7.8 11.6#



#92

Benzo(g,h,i)perylene

Concen: 3.220 ng

RT: 27.229 min Scan# 4079

Delta R.T. 0.029 min

Lab File: BM034374.D

Acq: 24 Mar 2022 22:17

Tgt Ion:276 Resp: 138697

Ion Ratio Lower Upper

276 100

277 35.2 19.0 28.4#

138 29.7 15.6 23.4#

