

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034375.D
 Acq On : 24 Mar 2022 22:53
 Operator : CG/JU
 Sample : N2077-03 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-4

Quant Time: Mar 25 01:11:12 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)

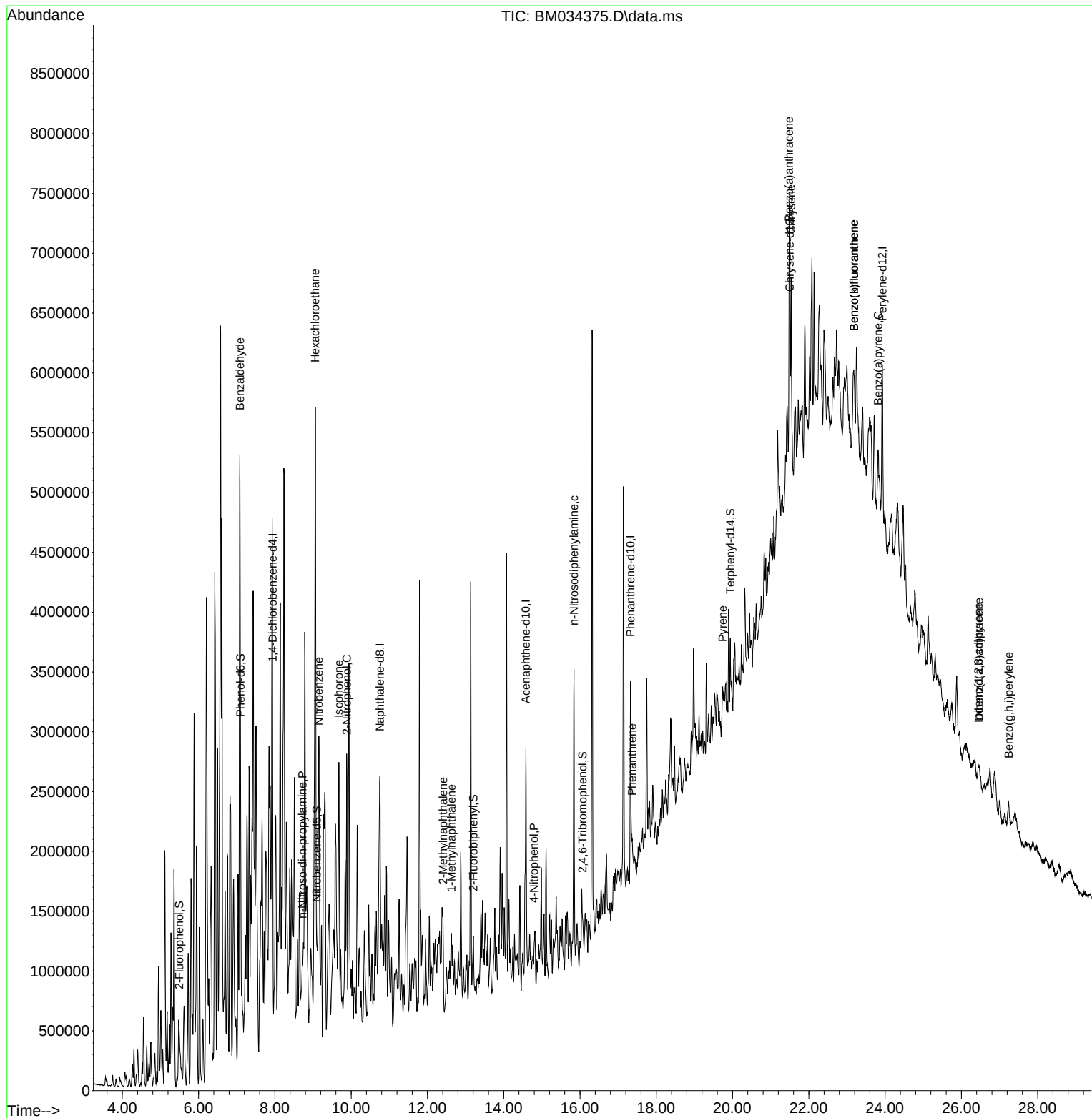
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	226660	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	887177	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	494564	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	806629	20.000	ng	0.00
76) Chrysene-d12	21.500	240	713989	20.000	ng	# 0.00
86) Perylene-d12	23.930	264	818294	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	101138	8.005	ng	0.00
7) Phenol-d6	7.101	99	124404	6.877	ng	0.00
23) Nitrobenzene-d5	9.101	82	150747	8.273	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	40353	6.053	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	187417	5.178	ng	0.00
79) Terphenyl-d14	19.942	244	199901	4.865	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.084	77	62550	6.418	ng	# 21
18) Hexachloroethane	9.060	117	297737	47.040	ng	# 1
19) n-Nitroso-di-n-propyla...	8.725	70	48047	3.672	ng	# 73
24) Nitrobenzene	9.148	77	65633	3.858	ng	# 46
25) Isophorone	9.678	82	209377	6.866	ng	# 1
26) 2-Nitrophenol	9.889	139	15098	2.001	ng	# 1
37) 2-Methylnaphthalene	12.413	142	125279	3.799	ng	# 94
38) 1-Methylnaphthalene	12.630	142	94669	2.934	ng	# 91
56) 4-Nitrophenol	14.795	139	15442	2.459	ng	# 15
66) n-Nitrosodiphenylamine	15.842	169	79913	3.118	ng	# 46
71) Phenanthrene	17.365	178	102338	2.265	ng	# 87
78) Pyrene	19.742	202	153133	3.044	ng	# 93
81) Benzo(a)anthracene	21.483	228	472312	10.481	ng	# 92
83) Chrysene	21.536	228	768241	16.694	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.453	276	139834	2.656	ng	# 87
88) Benzo(b)fluoranthene	23.188	252	446251	9.120	ng	# 68
89) Benzo(k)fluoranthene	23.188	252	446251	8.609	ng	# 67
90) Benzo(a)pyrene	23.818	252	361473	8.714	ng	# 73
91) Dibenzo(a,h)anthracene	26.465	278	214798	5.032	ng	# 56
92) Benzo(g,h,i)perylene	27.241	276	220839	4.999	ng	# 87

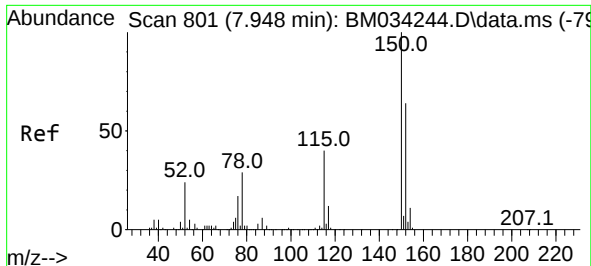
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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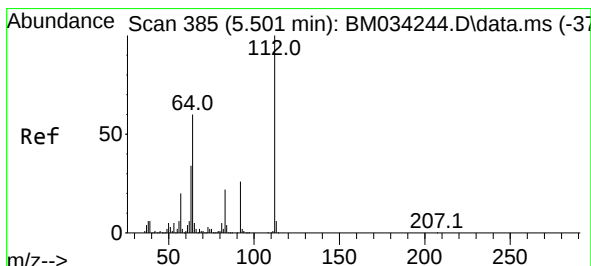
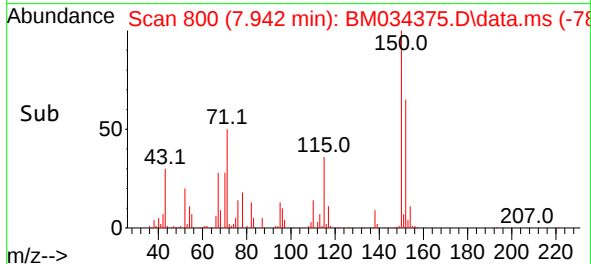
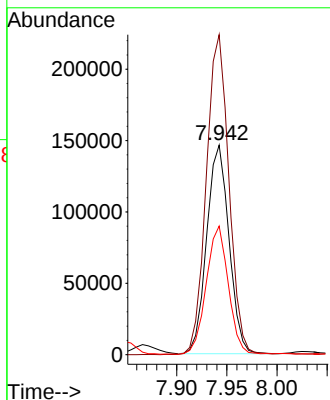
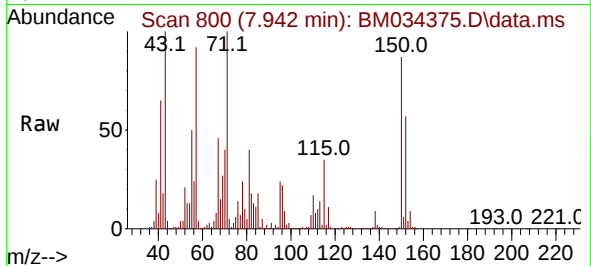




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

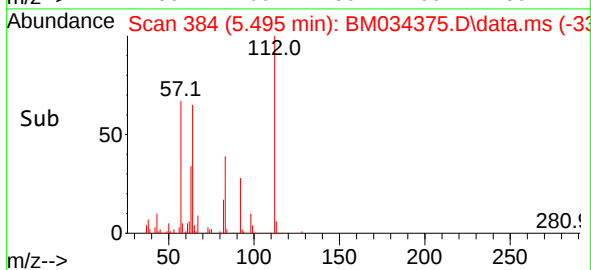
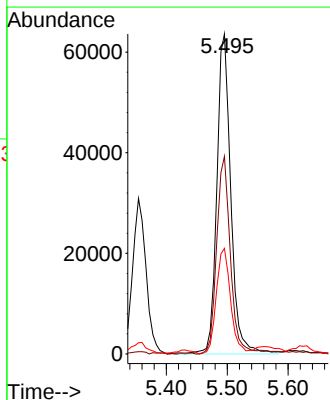
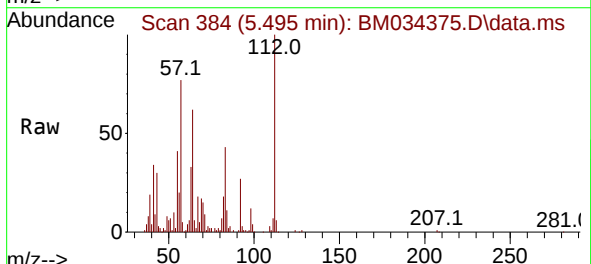
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

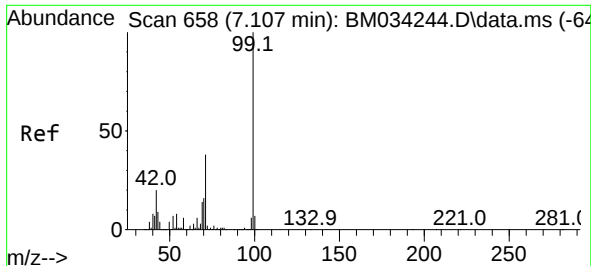
Tgt Ion:152 Resp: 226660
Ion Ratio Lower Upper
152 100
150 152.7 125.4 188.2
115 61.4 50.1 75.1



#5
2-Fluorophenol
Concen: 8.005 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:112 Resp: 101138
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 33.0 27.1 40.7

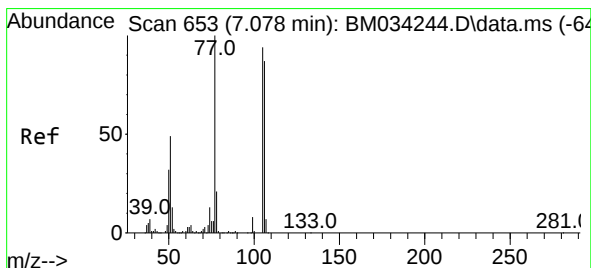
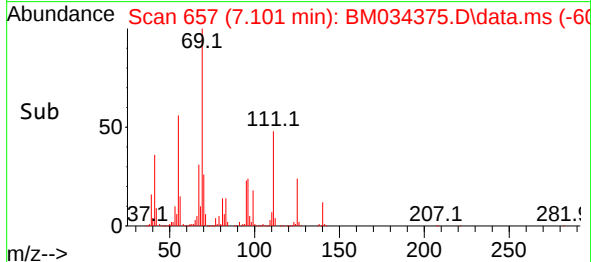
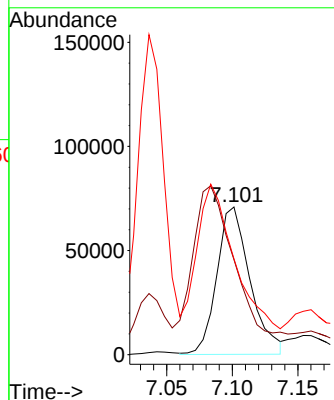
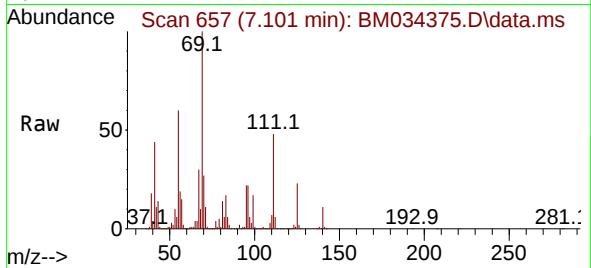




#7
Phenol-d6
Concen: 6.877 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

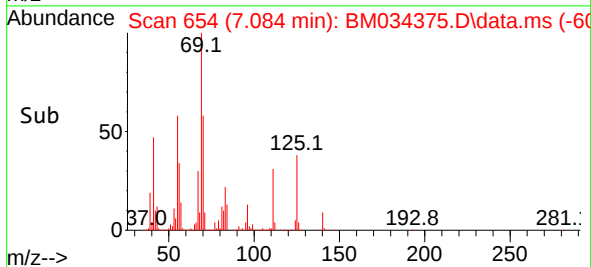
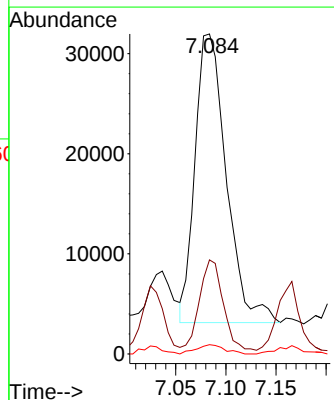
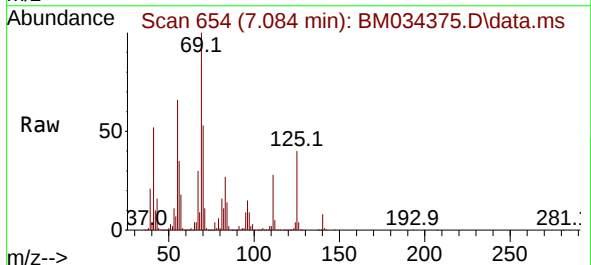
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

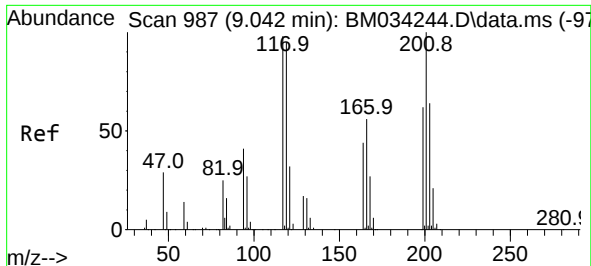
Tgt Ion: 99 Resp: 124404
Ion Ratio Lower Upper
99 100
42 64.3 15.6 23.4#
71 64.8 30.6 46.0#



#9
Benzaldehyde
Concen: 6.418 ng
RT: 7.084 min Scan# 654
Delta R.T. 0.012 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion: 77 Resp: 62550
Ion Ratio Lower Upper
77 100
105 29.4 73.9 113.9#
106 2.9 67.2 107.2#

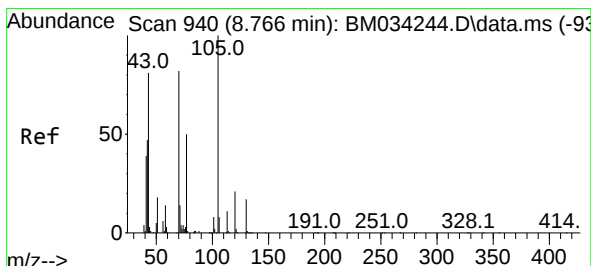
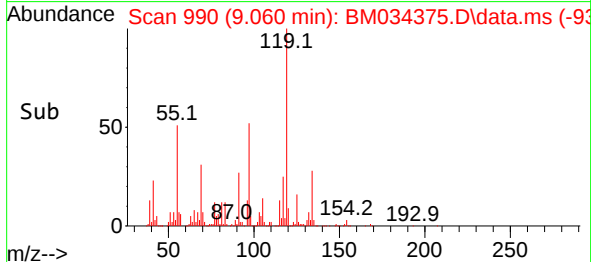
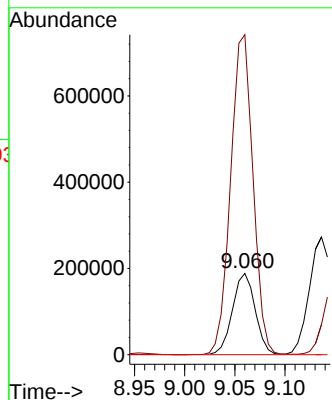
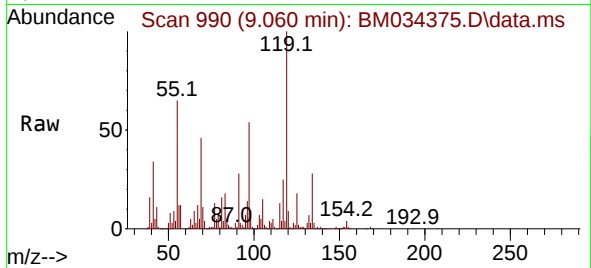




#18
Hexachloroethane
Concen: 47.040 ng
RT: 9.060 min Scan# 91
Delta R.T. 0.029 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

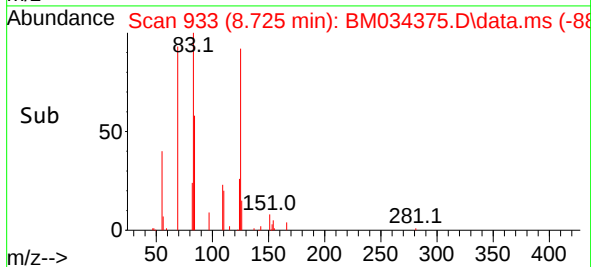
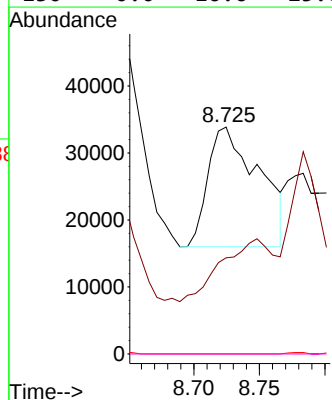
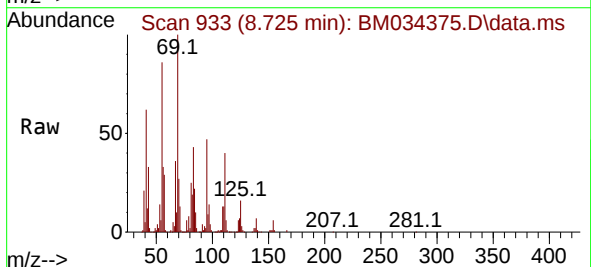
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

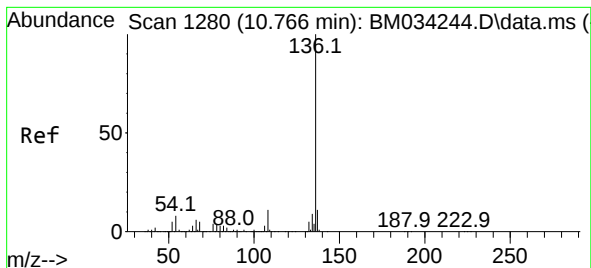
Tgt Ion:117 Resp: 297737
Ion Ratio Lower Upper
117 100
119 393.3 77.4 116.0#
201 0.0 81.6 122.4#



#19
n-Nitroso-di-n-propylamine
Concen: 3.672 ng
RT: 8.725 min Scan# 933
Delta R.T. -0.030 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion: 70 Resp: 48047
Ion Ratio Lower Upper
70 100
42 42.4 46.7 70.1#
101 0.0 7.8 11.6#
130 0.0 16.6 25.0#

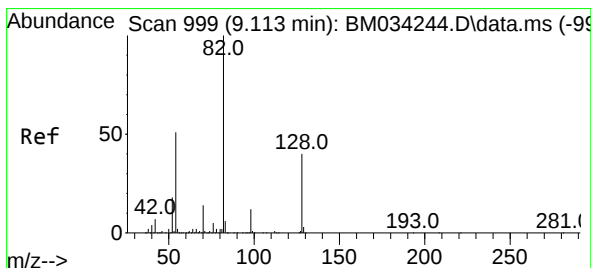
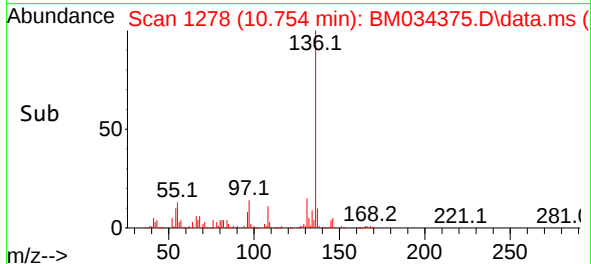
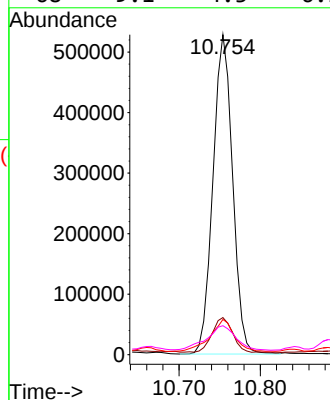
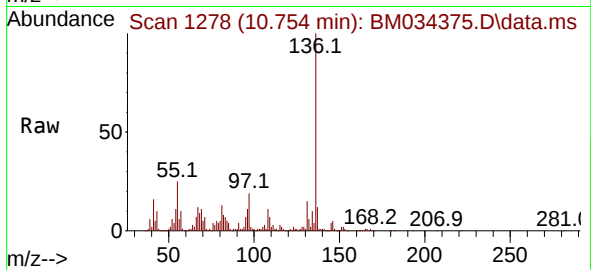




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

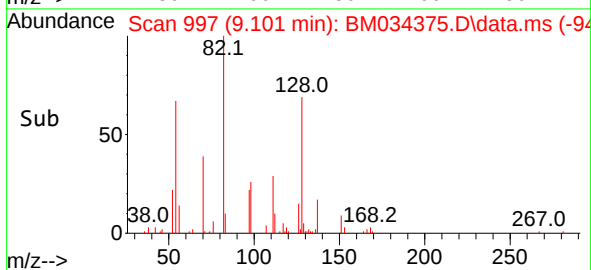
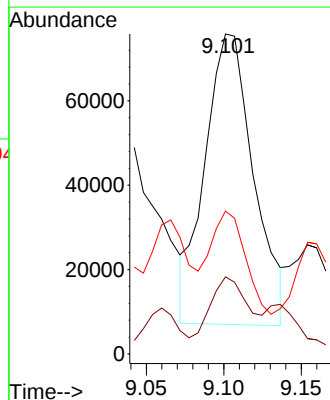
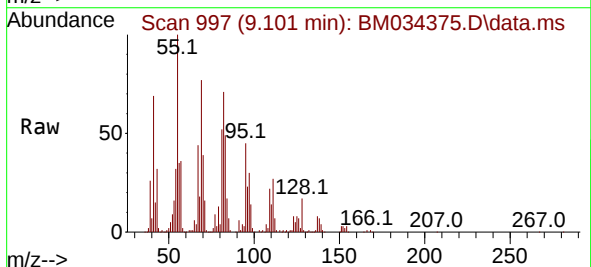
Instrument :
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ClientSampleId :
WC-14A-4

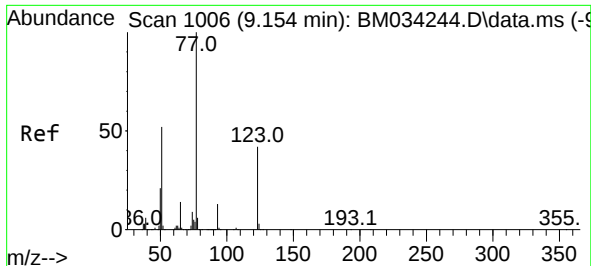
Tgt Ion:136 Resp: 887177
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 11.0 6.2 9.4#
68 9.1 4.3 6.5#



#23
Nitrobenzene-d5
Concen: 8.273 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion: 82 Resp: 150747
Ion Ratio Lower Upper
82 100
128 24.1 31.9 47.9#
54 44.7 40.6 61.0

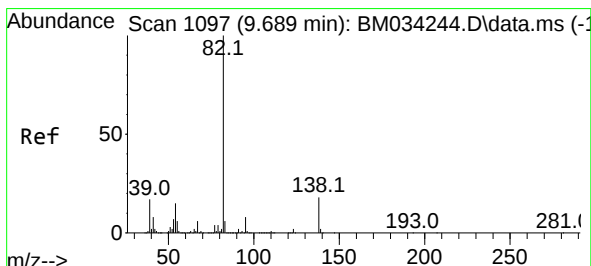
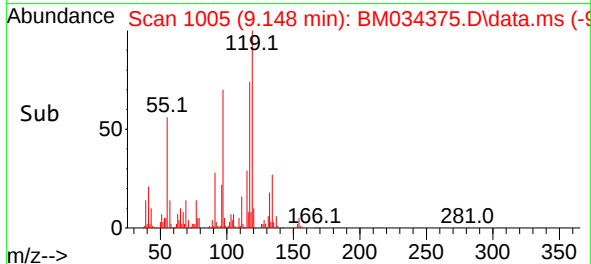
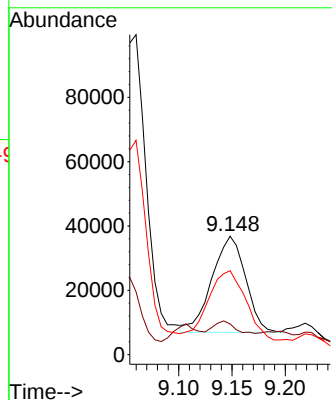
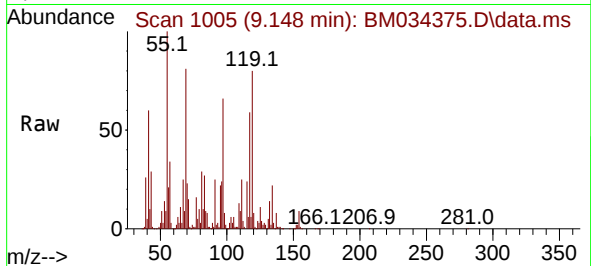




#24
Nitrobenzene
Concen: 3.858 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

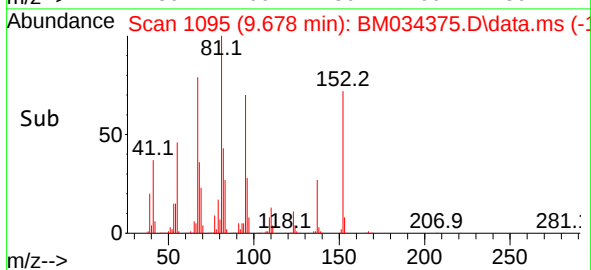
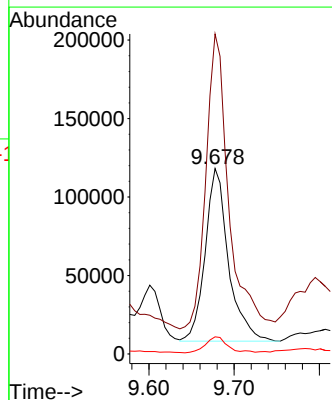
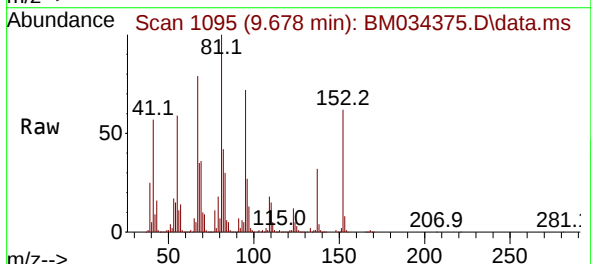
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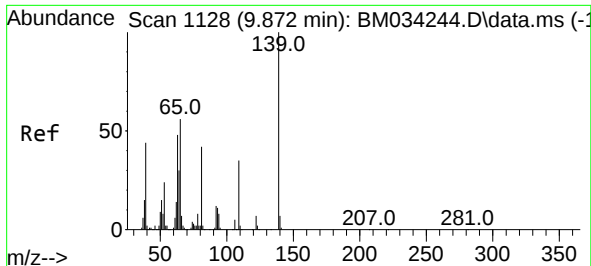
Tgt Ion: 77 Resp: 65633
Ion Ratio Lower Upper
77 100
123 26.0 33.3 49.9#
65 70.9 11.0 16.4#



#25
Isophorone
Concen: 6.866 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion: 82 Resp: 209377
Ion Ratio Lower Upper
82 100
95 172.5 6.6 9.8#
138 9.2 14.4 21.6#

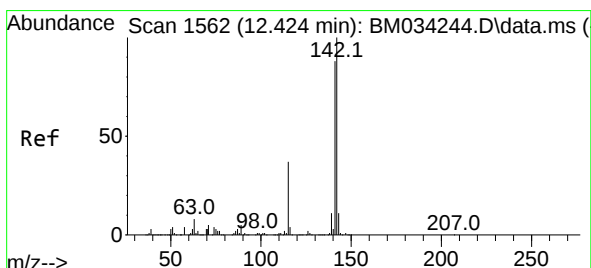
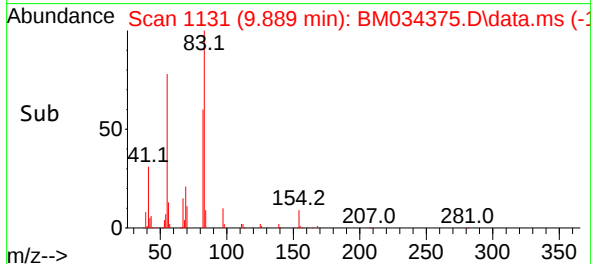
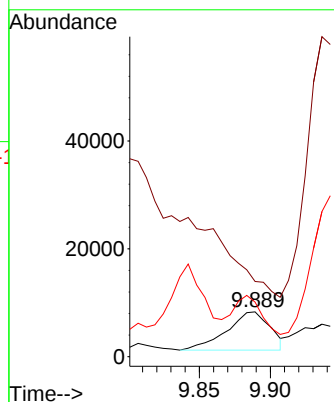
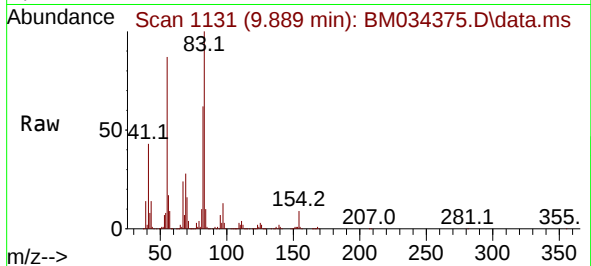




#26
2-Nitrophenol
Concen: 2.001 ng
RT: 9.889 min Scan# 1128
Delta R.T. 0.029 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

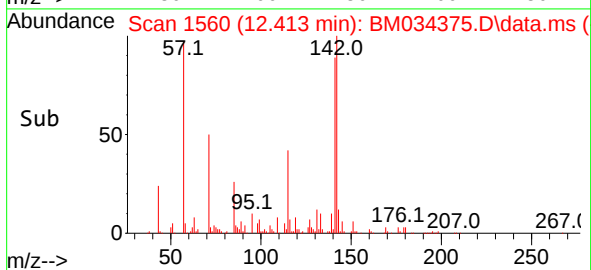
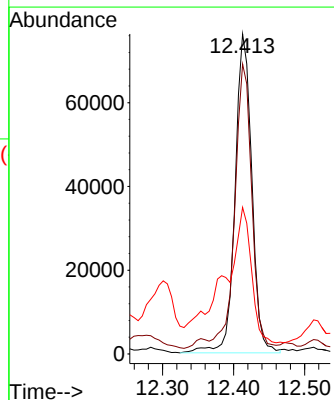
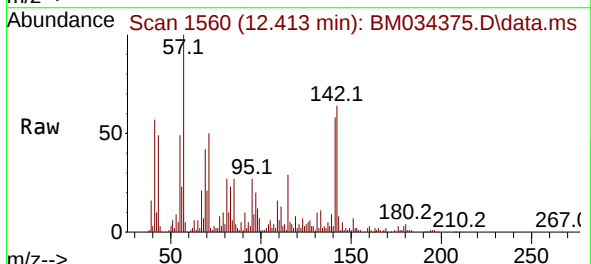
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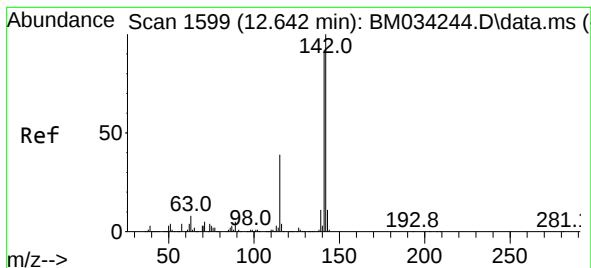
Tgt Ion:139 Resp: 15098
Ion Ratio Lower Upper
139 100
109 167.7 28.1 42.1#
65 121.6 44.6 67.0#



#37
2-Methylnaphthalene
Concen: 3.799 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:142 Resp: 125279
Ion Ratio Lower Upper
142 100
141 90.6 70.1 105.1
115 45.8 29.9 44.9#





#38

1-Methylnaphthalene

Concen: 2.934 ng

RT: 12.630 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM034375.D

Acq: 24 Mar 2022 22:53

Instrument :

BNA_M

ClientSampleId :

WC-14A-4

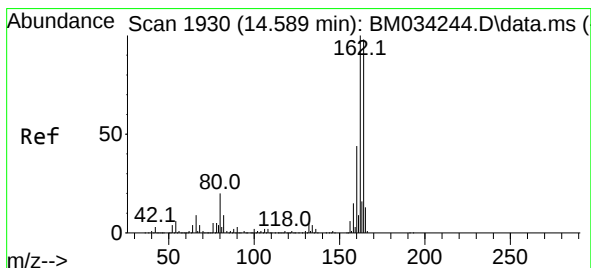
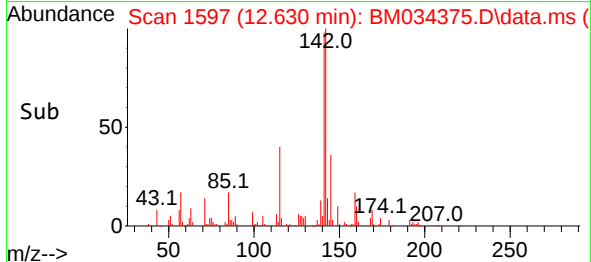
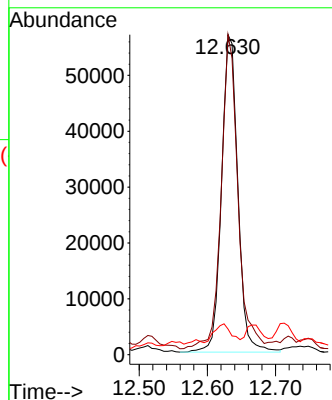
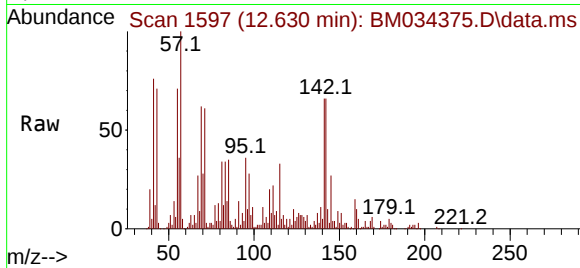
Tgt Ion:142 Resp: 94669

Ion Ratio Lower Upper

142 100

141 100.0 73.0 109.6

116 8.0 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: BM034375.D

Acq: 24 Mar 2022 22:53

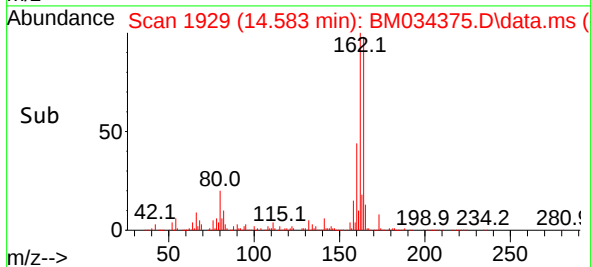
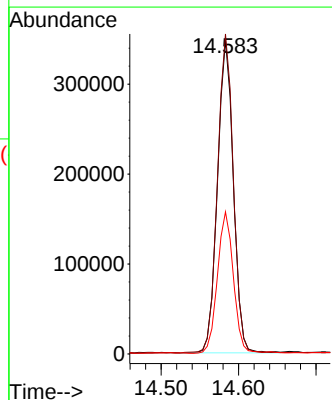
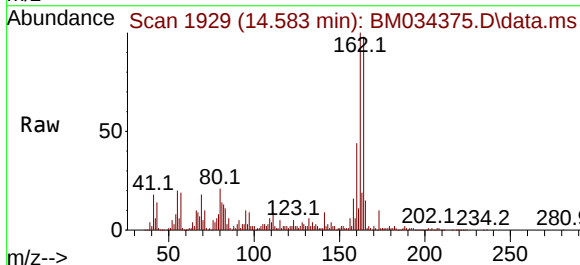
Tgt Ion:164 Resp: 494564

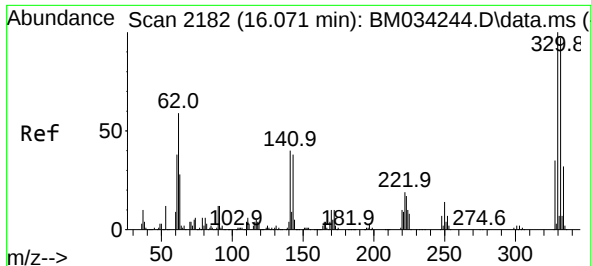
Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

160 45.3 35.6 53.4

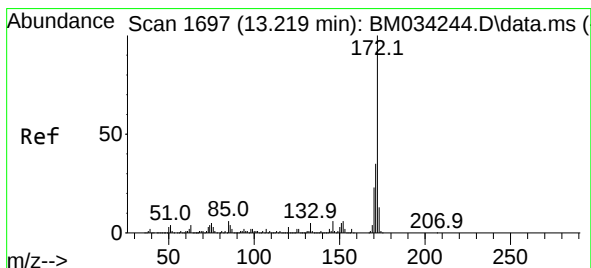
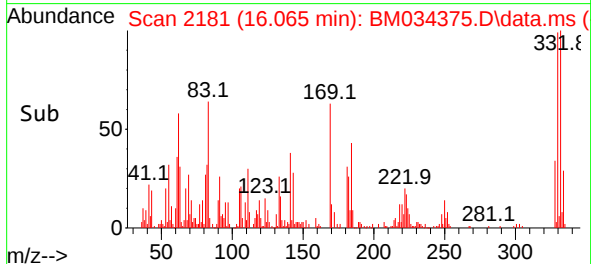
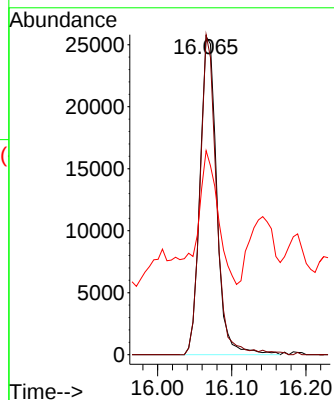
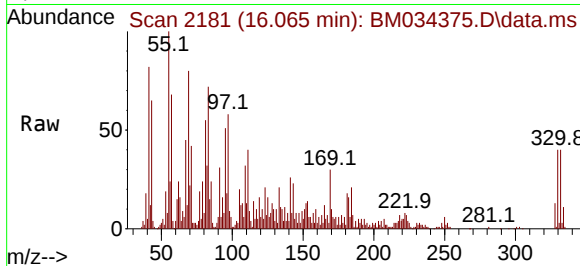




#42
2,4,6-Tribromophenol
Concen: 6.053 ng
RT: 16.065 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

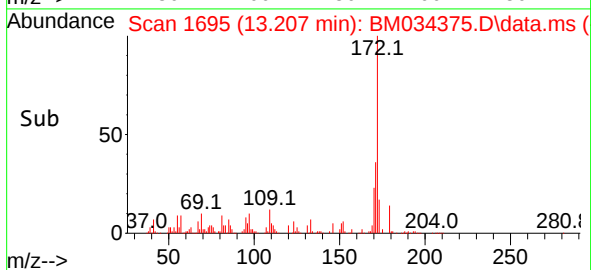
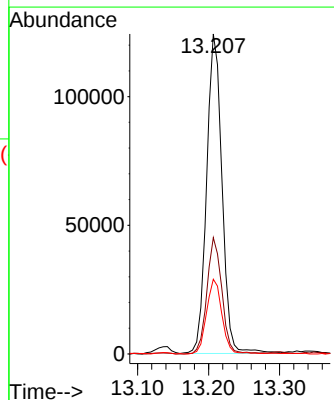
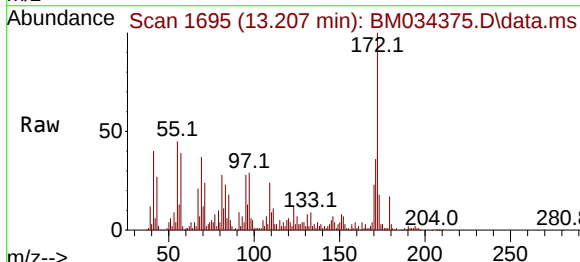
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

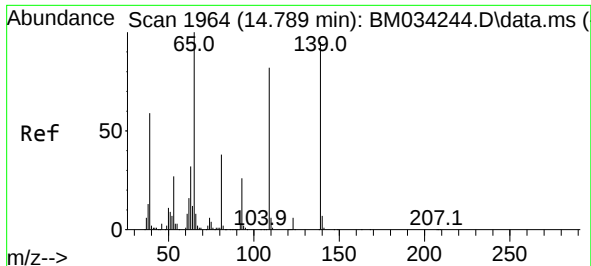
Tgt Ion:330 Resp: 40353
Ion Ratio Lower Upper
330 100
332 98.6 78.2 117.4
141 47.8 30.6 45.8#



#45
2-Fluorobiphenyl
Concen: 5.178 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:172 Resp: 187417
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 23.3 18.6 28.0

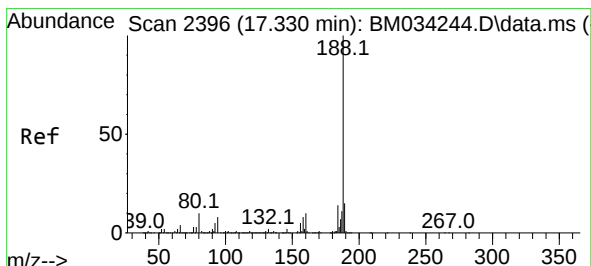
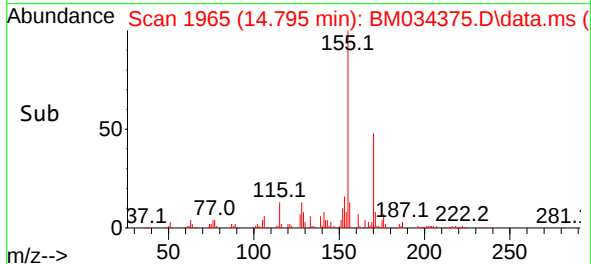
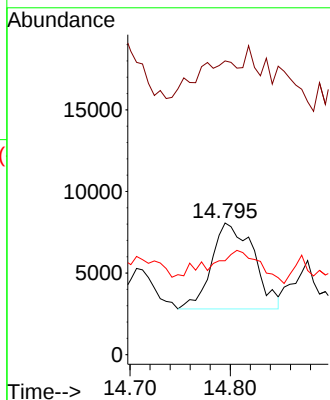
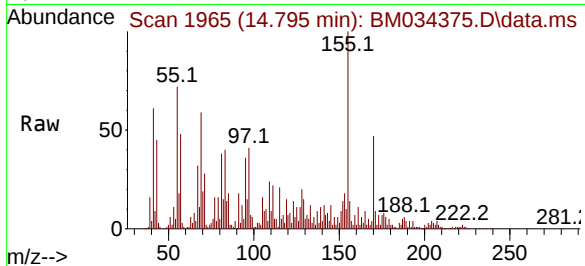




#56
4-Nitrophenol
Concen: 2.459 ng
RT: 14.795 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

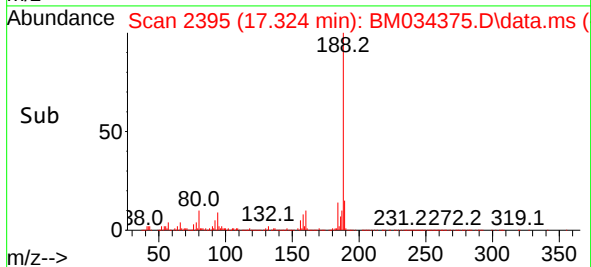
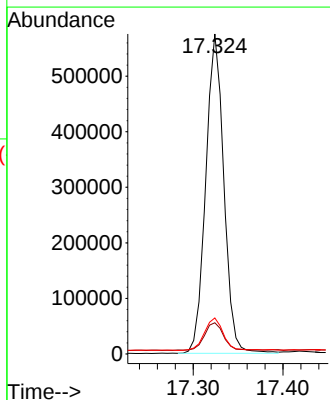
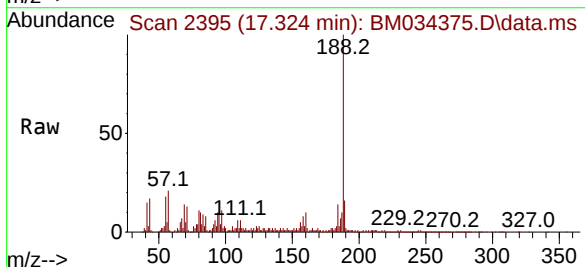
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

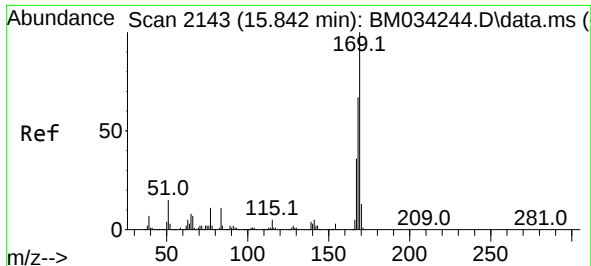
Tgt Ion:139 Resp: 15442
Ion Ratio Lower Upper
139 100
109 223.0 66.3 106.3#
65 71.3 85.5 125.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:188 Resp: 806629
Ion Ratio Lower Upper
188 100
94 9.8 6.6 9.8
80 11.3 7.8 11.8

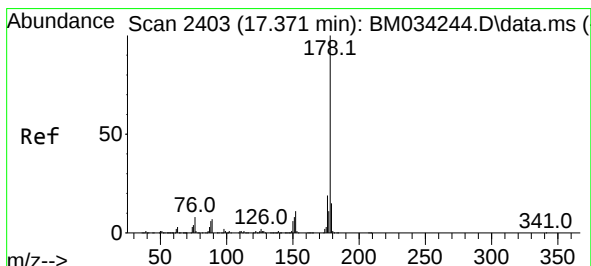
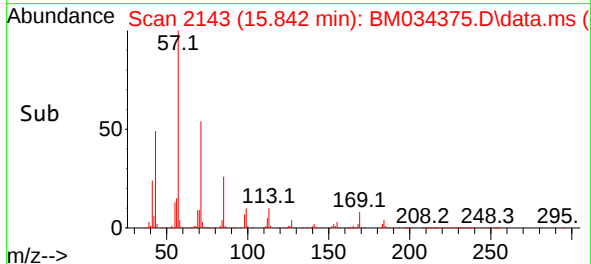
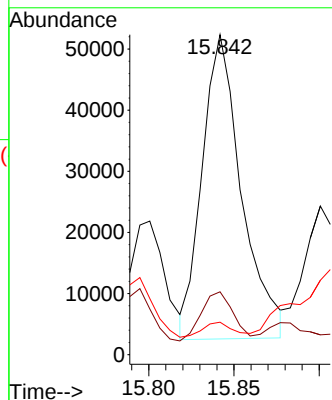
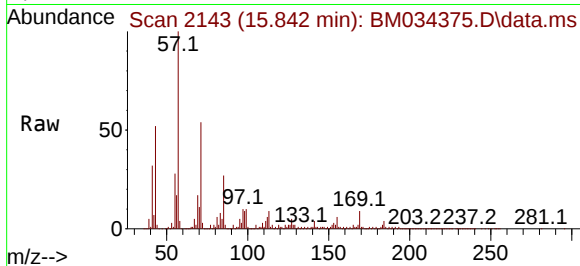




#66
 n-Nitrosodiphenylamine
 Concen: 3.118 ng
 RT: 15.842 min Scan# 2143
 Delta R.T. 0.006 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53

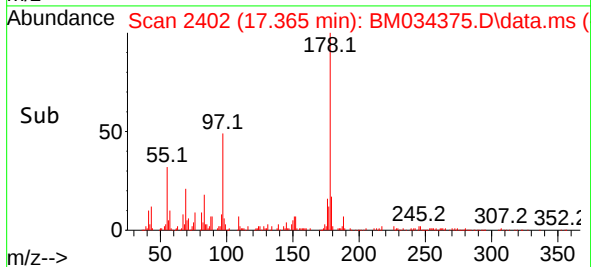
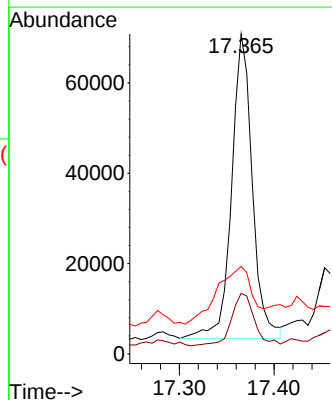
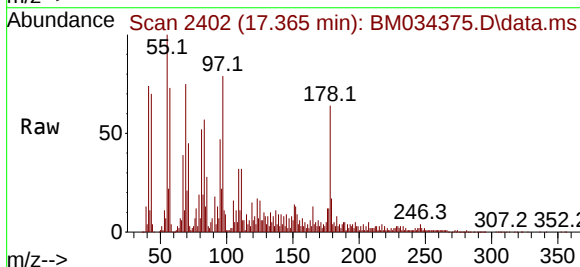
Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-4

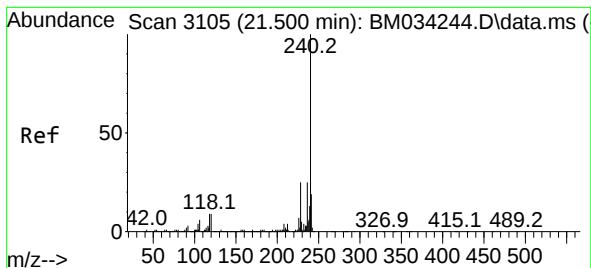
Tgt Ion:169 Resp: 79913
 Ion Ratio Lower Upper
 169 100
 168 19.6 53.9 80.9#
 167 10.2 29.0 43.4#



#71
 Phenanthrene
 Concen: 2.265 ng
 RT: 17.365 min Scan# 2402
 Delta R.T. -0.000 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53

Tgt Ion:178 Resp: 102338
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 27.3 12.2 18.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.500 min Scan# 3105

Delta R.T. 0.006 min

Lab File: BM034375.D

Acq: 24 Mar 2022 22:53

Instrument :

BNA_M

ClientSampleId :

WC-14A-4

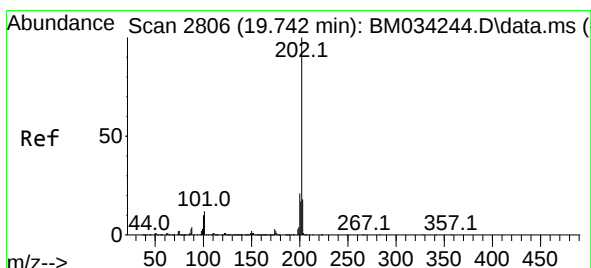
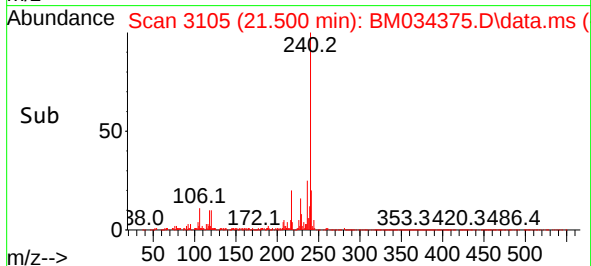
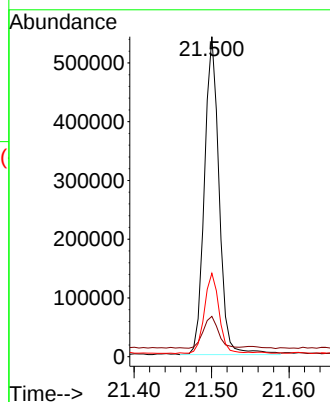
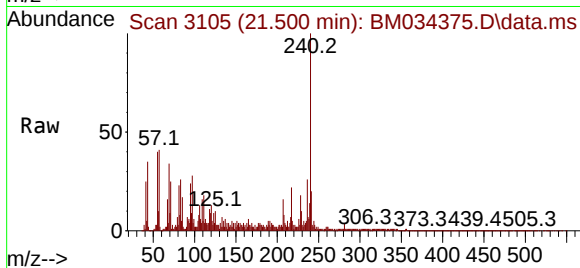
Tgt Ion:240 Resp: 713989

Ion Ratio Lower Upper

240 100

120 12.6 7.3 10.9#

236 26.1 20.2 30.2



#78

Pyrene

Concen: 3.044 ng

RT: 19.742 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BM034375.D

Acq: 24 Mar 2022 22:53

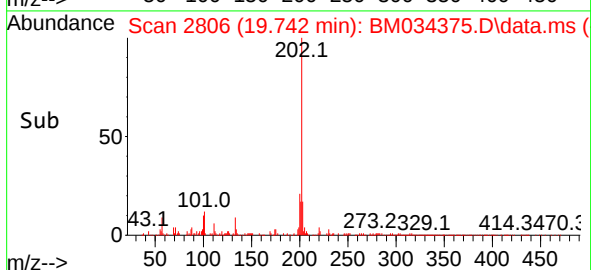
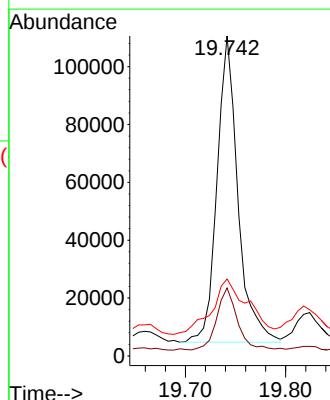
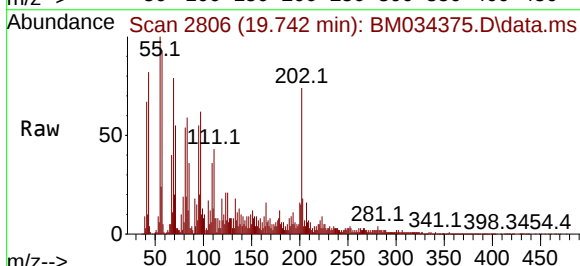
Tgt Ion:202 Resp: 153133

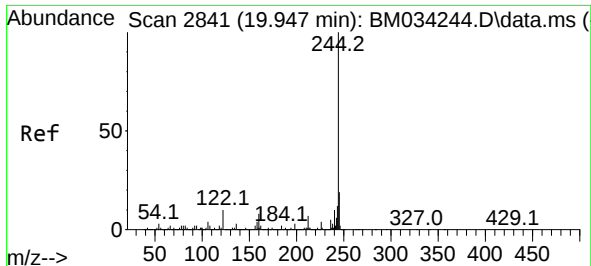
Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 24.1 14.1 21.1#

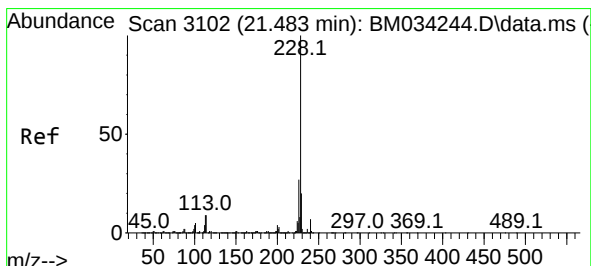
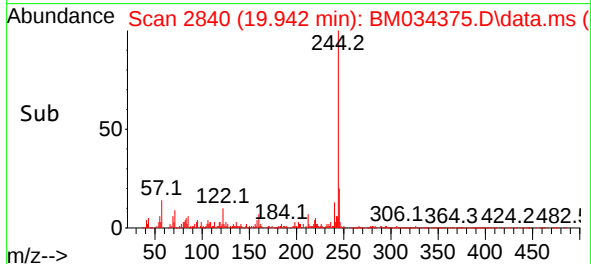
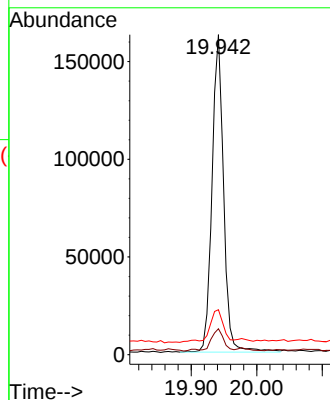
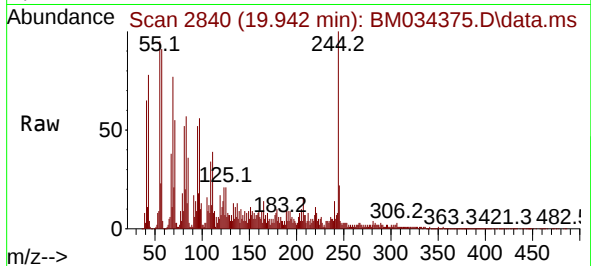




#79
 Terphenyl-d14
 Concen: 4.865 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53

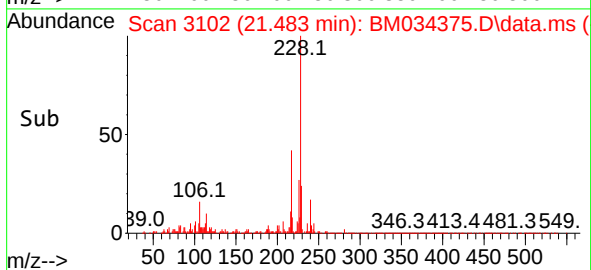
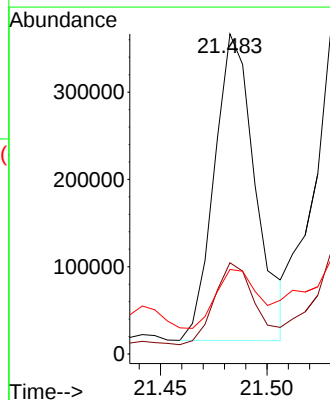
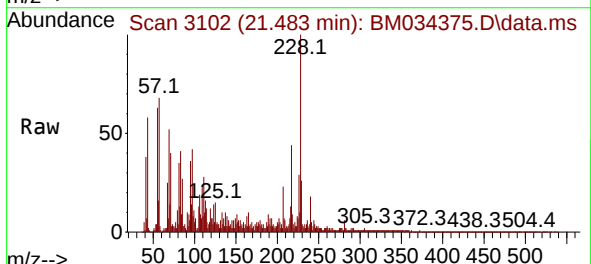
Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-4

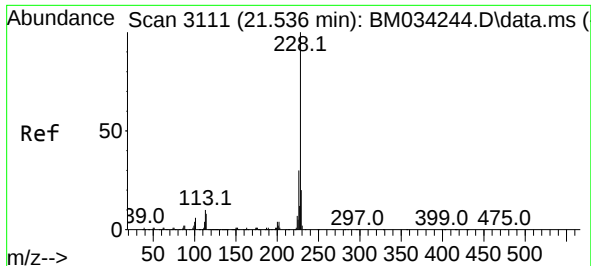
Tgt Ion:244 Resp: 199901
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.9 8.9
 122 14.0 7.8 11.8#



#81
 Benzo(a)anthracene
 Concen: 10.481 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. 0.006 min
 Lab File: BM034375.D
 Acq: 24 Mar 2022 22:53

Tgt Ion:228 Resp: 472312
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 26.4 15.8 23.6#

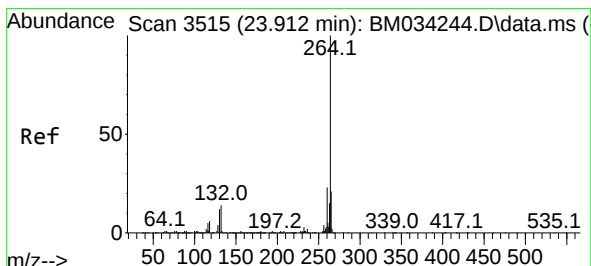
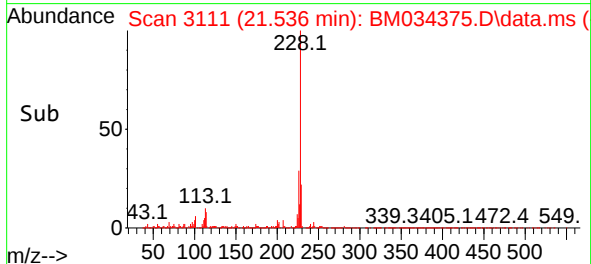
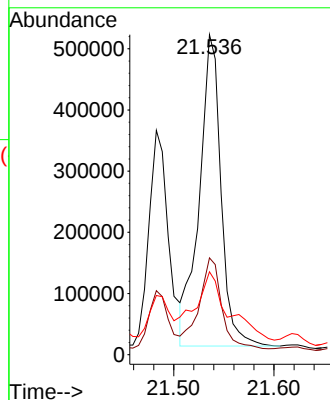
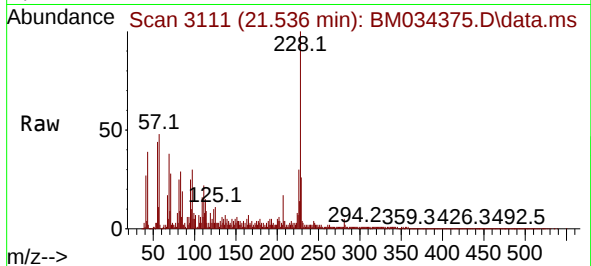




#83
Chrysene
Concen: 16.694 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

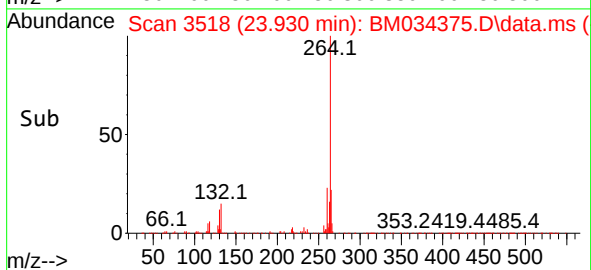
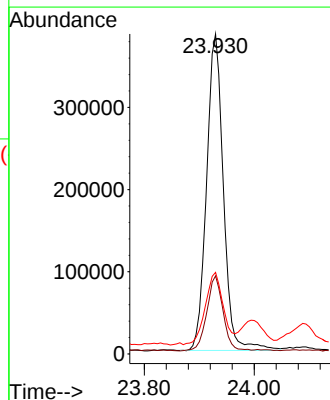
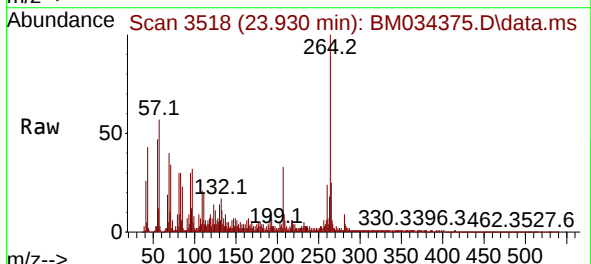
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

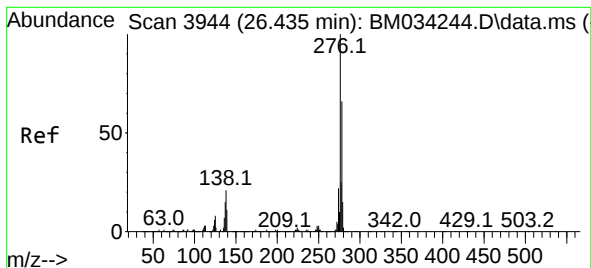
Tgt Ion:228 Resp: 768241
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 25.9 15.6 23.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.930 min Scan# 3518
Delta R.T. 0.023 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:264 Resp: 818294
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 25.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.656 ng

RT: 26.453 min Scan# 3947

Delta R.T. 0.029 min

Lab File: BM034375.D

Acq: 24 Mar 2022 22:53

Instrument :

BNA_M

ClientSampleId :

WC-14A-4

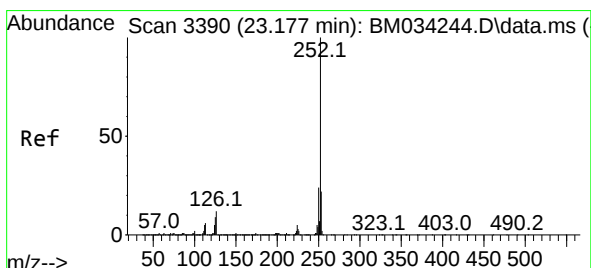
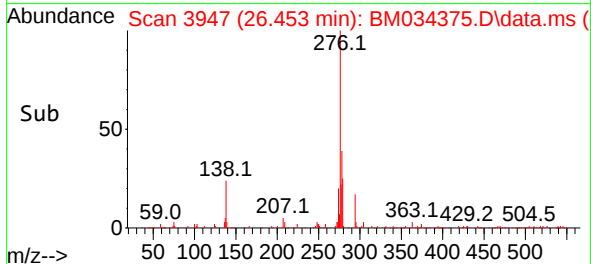
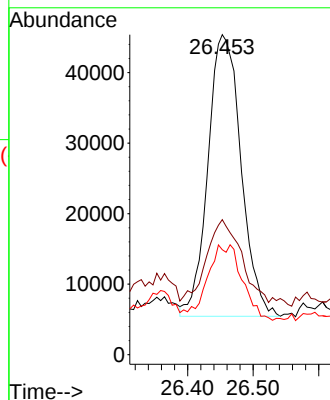
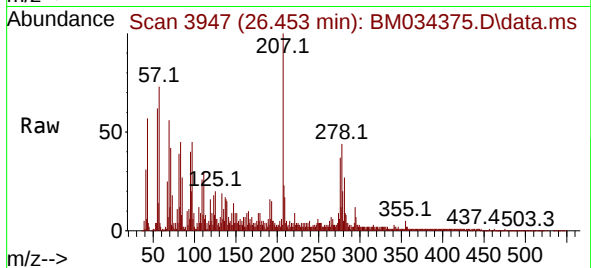
Tgt Ion:276 Resp: 139834

Ion Ratio Lower Upper

276 100

138 30.6 16.6 25.0#

277 27.8 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 9.120 ng

RT: 23.188 min Scan# 3392

Delta R.T. 0.017 min

Lab File: BM034375.D

Acq: 24 Mar 2022 22:53

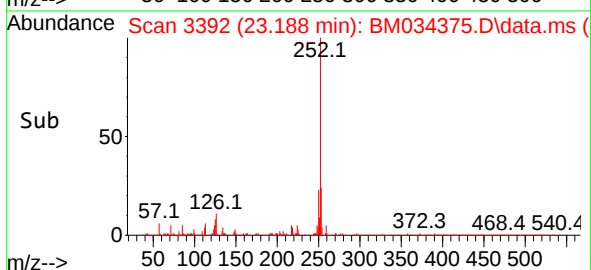
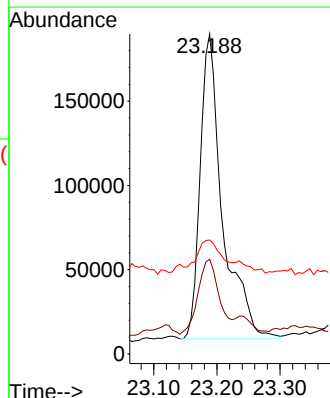
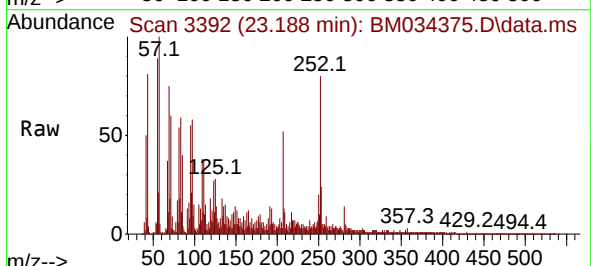
Tgt Ion:252 Resp: 446251

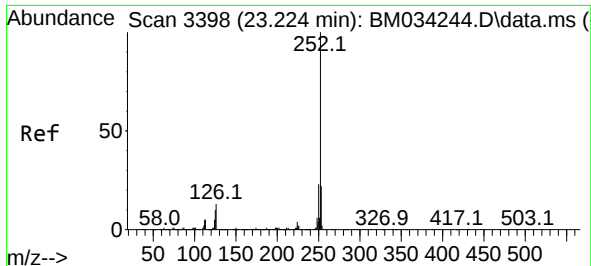
Ion Ratio Lower Upper

252 100

253 29.6 17.8 26.8#

125 35.6 7.2 10.8#

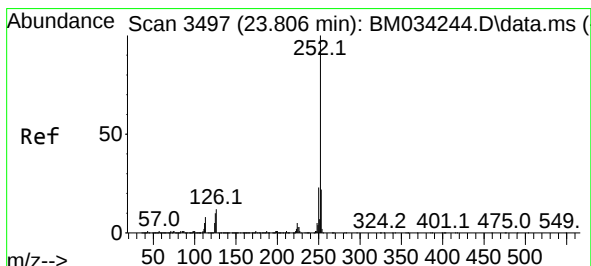
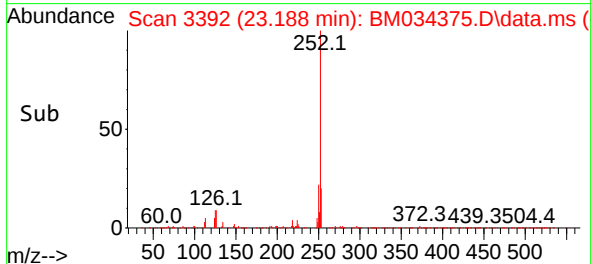
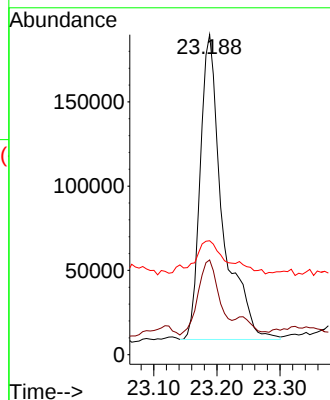
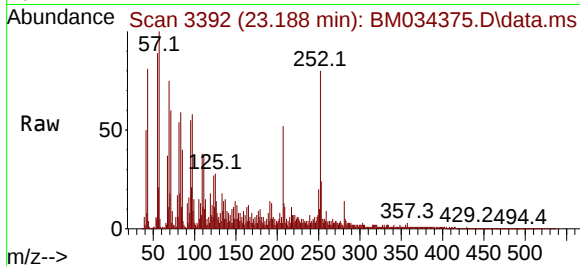




#89
Benzo(k)fluoranthene
Concen: 8.609 ng
RT: 23.188 min Scan# 31
Delta R.T. -0.035 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

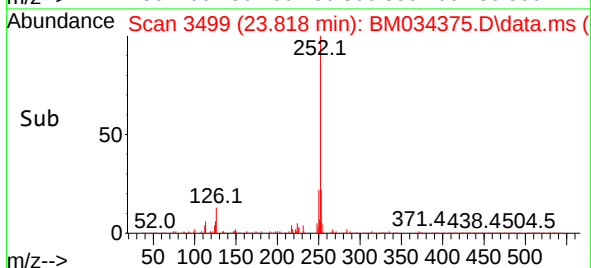
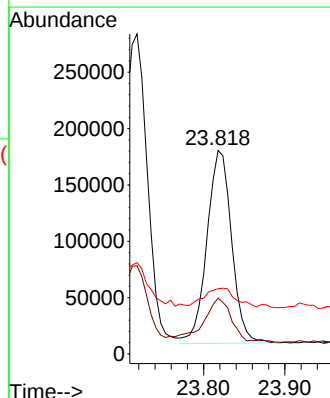
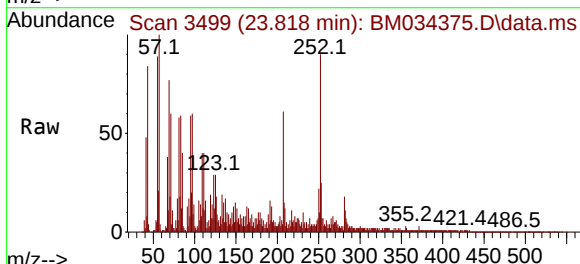
Instrument :
BNA_M
ClientSampleId :
WC-14A-4

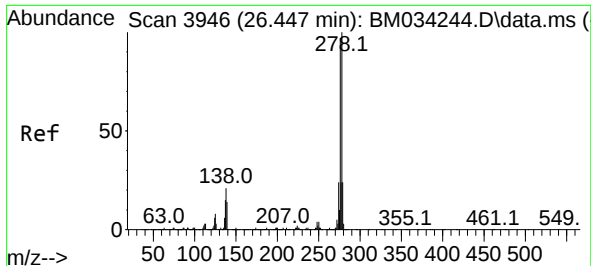
Tgt Ion:252 Resp: 446251
Ion Ratio Lower Upper
252 100
253 29.6 17.6 26.4#
125 35.6 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 8.714 ng
RT: 23.818 min Scan# 3499
Delta R.T. 0.017 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:252 Resp: 361473
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 32.1 7.8 11.6#

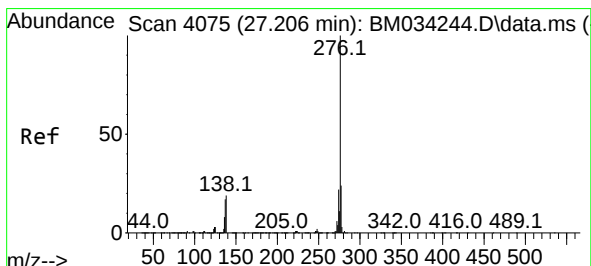
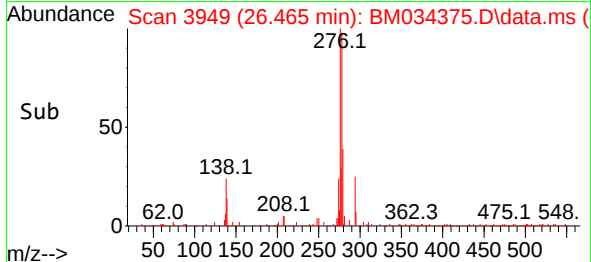
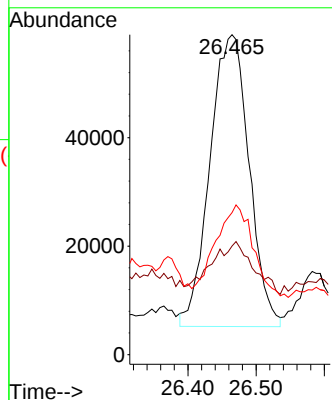
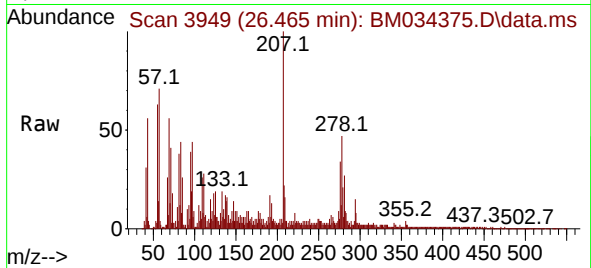




#91
Dibenzo(a,h)anthracene
Concen: 5.032 ng
RT: 26.465 min Scan# 3946
Delta R.T. 0.023 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Instrument :
BNA_M
ClientSampleId :
WC-14A-4

Tgt Ion:278 Resp: 214798
Ion Ratio Lower Upper
278 100
139 33.9 11.2 16.8#
279 44.4 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 4.999 ng
RT: 27.241 min Scan# 4081
Delta R.T. 0.041 min
Lab File: BM034375.D
Acq: 24 Mar 2022 22:53

Tgt Ion:276 Resp: 220839
Ion Ratio Lower Upper
276 100
277 29.1 19.0 28.4#
138 26.3 15.6 23.4#

