

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082123\
 Data File : BM041454.D
 Acq On : 21 Aug 2023 18:51
 Operator : MA/JU
 Sample : 04069-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CONC-WC-1

Quant Time: Aug 22 03:38:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 03:32:15 2023
 Response via : Initial Calibration

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

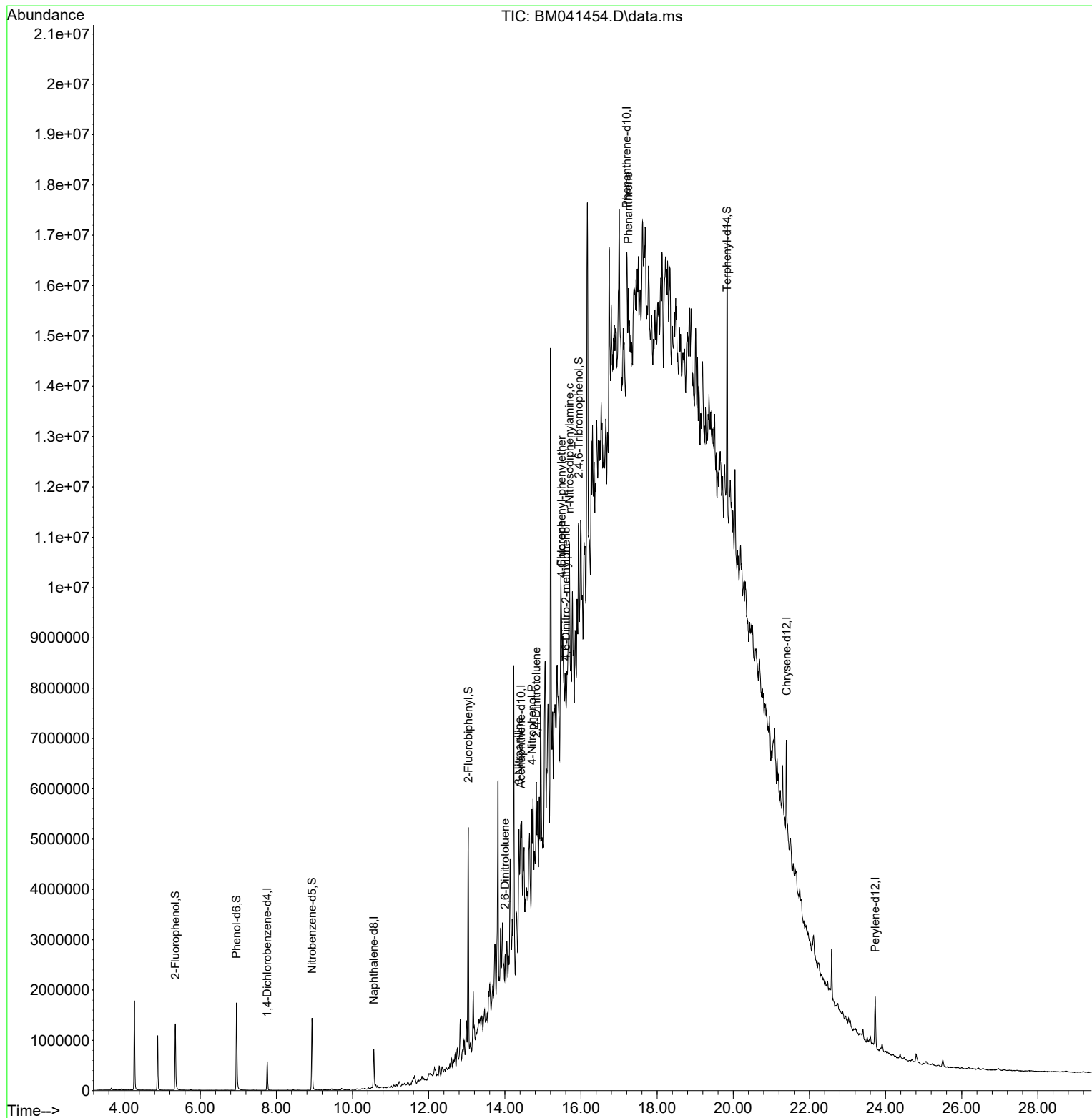
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	146604	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	621184	20.000	ng	0.00
39) Acenaphthene-d10	14.427	164	454283	20.000	ng	0.01
64) Phenanthrene-d10	17.204	188	790229	20.000	ng	# 0.03
76) Chrysene-d12	21.397	240	819427	20.000	ng	0.01
86) Perylene-d12	23.727	264	770268	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	577490	65.530	ng	0.00
7) Phenol-d6	6.951	99	1028587	85.956	ng	0.00
23) Nitrobenzene-d5	8.934	82	830340	63.809	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	122703	17.020	ng	0.02
45) 2-Fluorobiphenyl	13.039	172	2164832	63.857	ng	0.00
79) Terphenyl-d14	19.839	244	3137456	66.628	ng	0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.010	165	30732	4.042	ng	# 45
53) 3-Nitroaniline	14.368	138	25783	3.401	ng	# 29
56) 4-Nitrophenol	14.710	139	15992	2.801	ng	# 1
57) 2,4-Dinitrotoluene	14.827	165	70323	6.769	ng	# 55
58) Fluorene	15.486	166	86142	2.510	ng	# 51
61) 4-Chlorophenyl-phenyle...	15.492	204	46427	2.509	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.604	198	17750	3.509	ng	# 1
66) n-Nitrosodiphenylamine	15.698	169	389469	16.743	ng	# 39
71) Phenanthrene	17.245	178	402427	9.647	ng	# 72

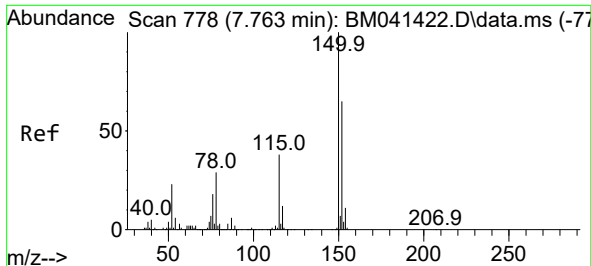
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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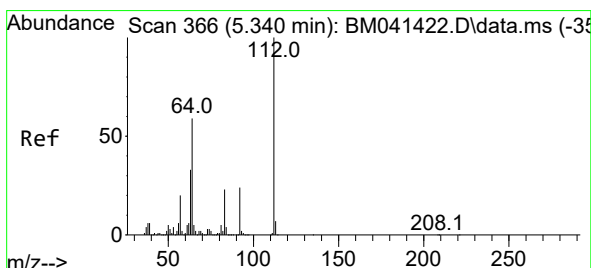
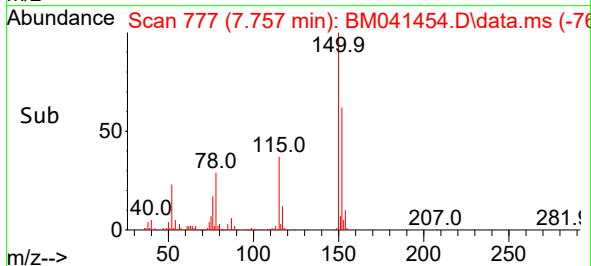
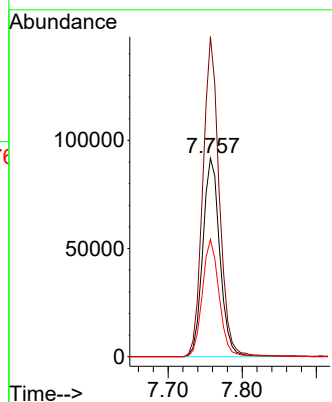
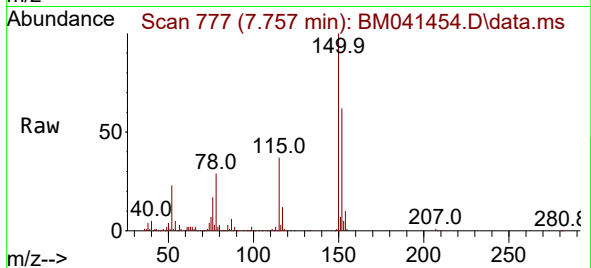




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

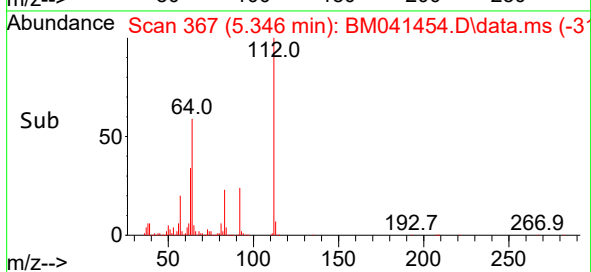
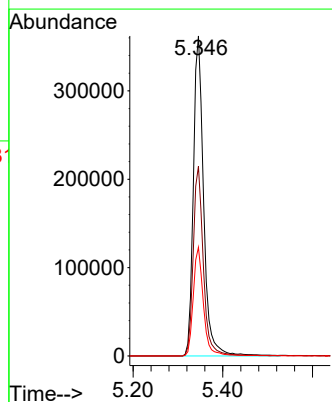
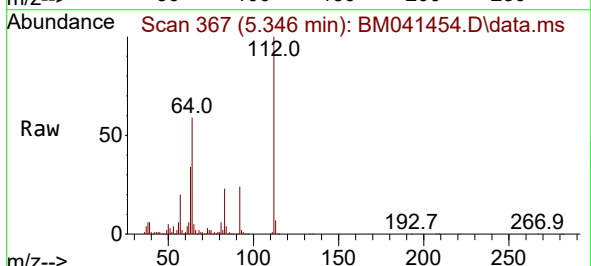
Instrument :
BNA_M
ClientSampleId :
CONC-WC-1

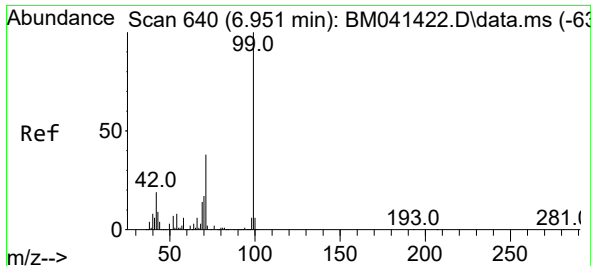
Tgt Ion:152 Resp: 146604
Ion Ratio Lower Upper
152 100
150 161.2 123.8 185.6
115 59.0 46.6 70.0



#5
2-Fluorophenol
Concen: 65.530 ng
RT: 5.346 min Scan# 367
Delta R.T. -0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion:112 Resp: 577490
Ion Ratio Lower Upper
112 100
64 59.2 47.3 70.9
63 33.9 26.5 39.7

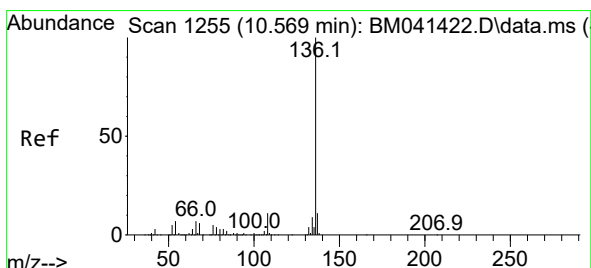
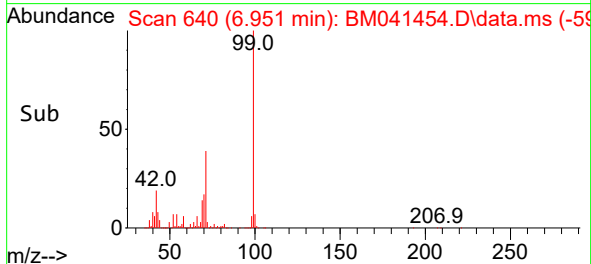
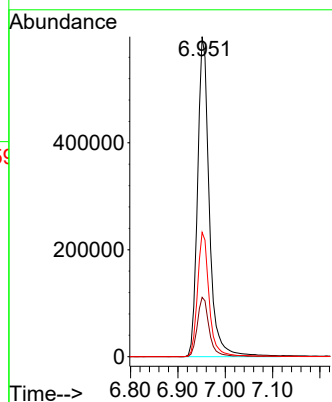
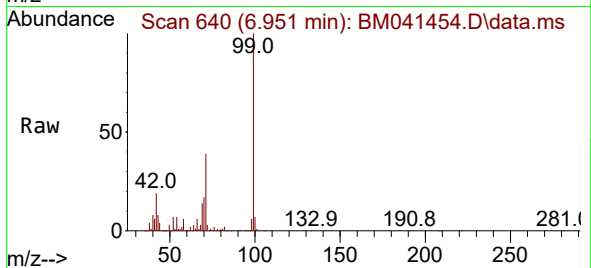




#7
Phenol-d6
Concen: 85.956 ng
RT: 6.951 min Scan# 640
Delta R.T. -0.006 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

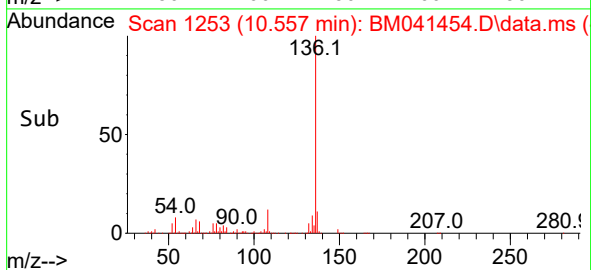
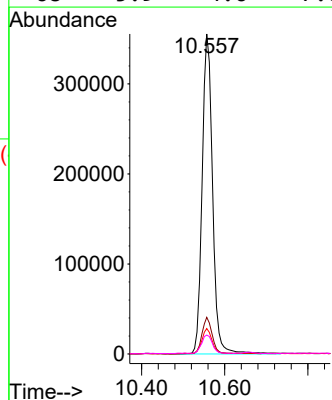
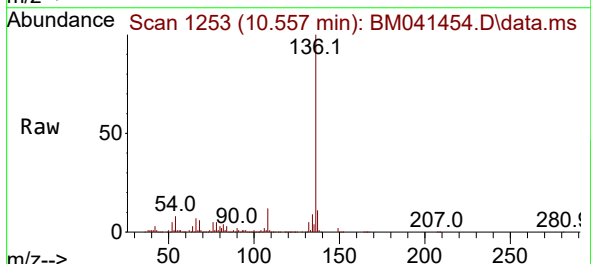
Instrument :
BNA_M
ClientSampleId :
CONC-WC-1

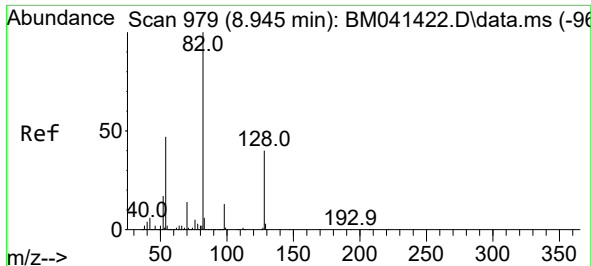
Tgt Ion: 99 Resp: 1028587
Ion Ratio Lower Upper
99 100
42 18.6 15.2 22.8
71 38.9 30.7 46.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion: 136 Resp: 621184
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 7.9 5.7 8.5
68 5.9 4.6 7.0

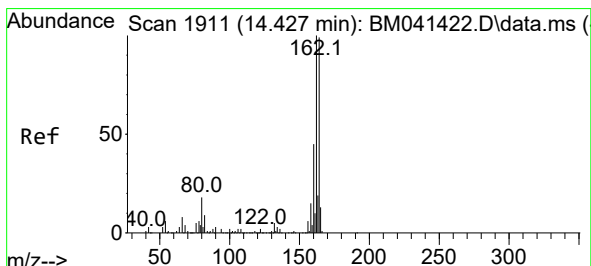
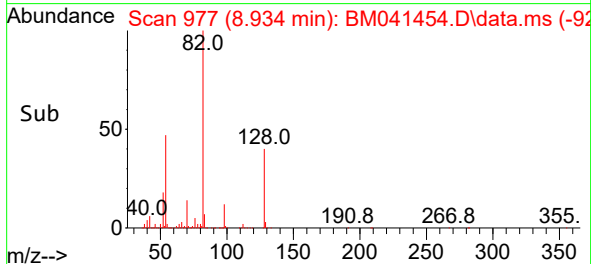
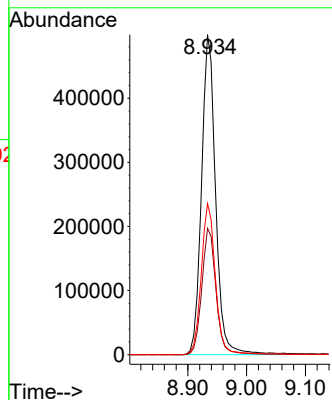
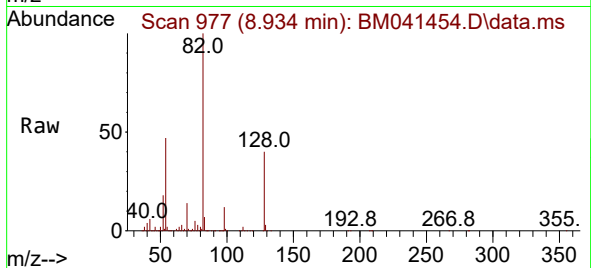




#23
Nitrobenzene-d5
Concen: 63.809 ng
RT: 8.934 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

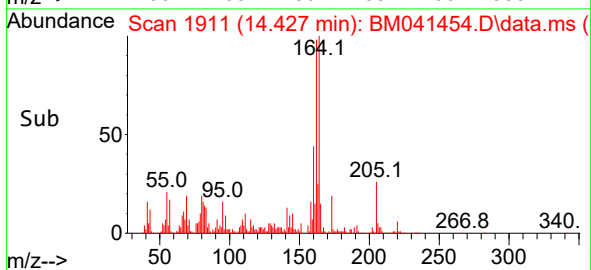
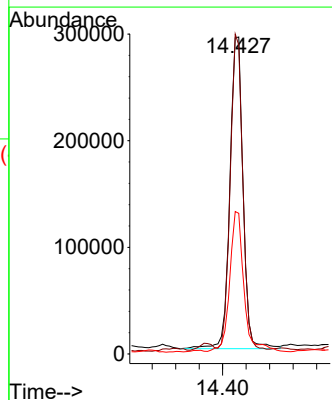
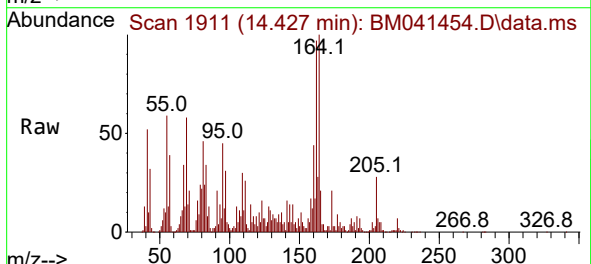
Instrument :
BNA_M
ClientSampleId :
CONC-WC-1

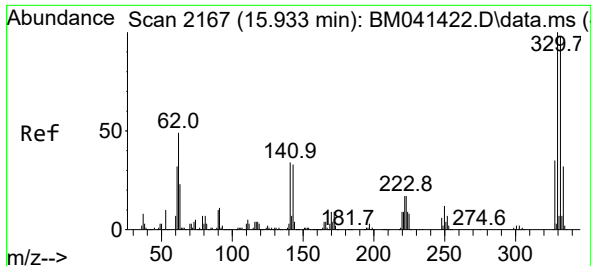
Tgt Ion: 82 Resp: 830340
Ion Ratio Lower Upper
82 100
128 39.5 32.2 48.4
54 47.2 37.5 56.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1911
Delta R.T. 0.012 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion: 164 Resp: 454283
Ion Ratio Lower Upper
164 100
162 97.4 80.4 120.6
160 44.4 35.9 53.9

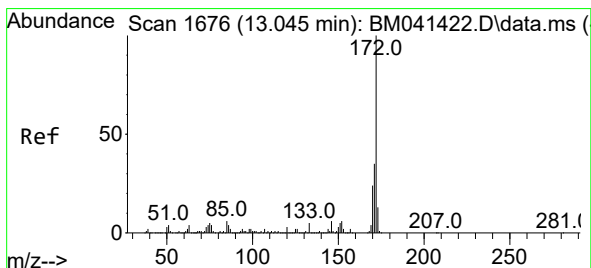
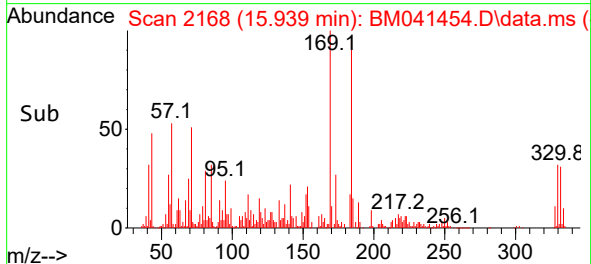
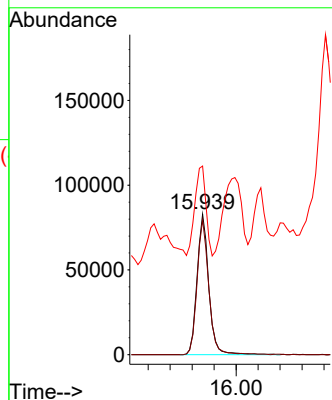
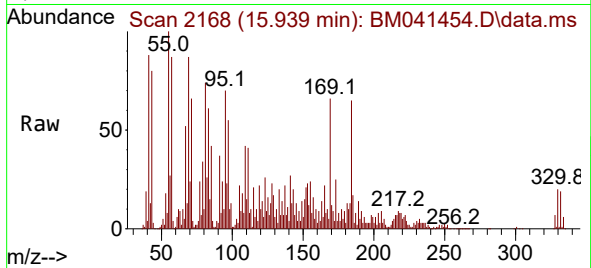




#42
2,4,6-Tribromophenol
Concen: 17.020 ng
RT: 15.939 min Scan# 2167
Delta R.T. 0.018 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

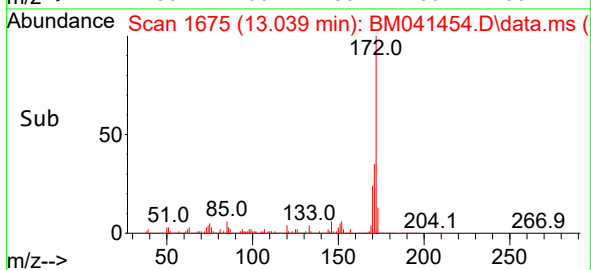
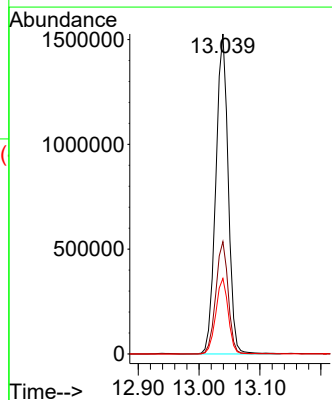
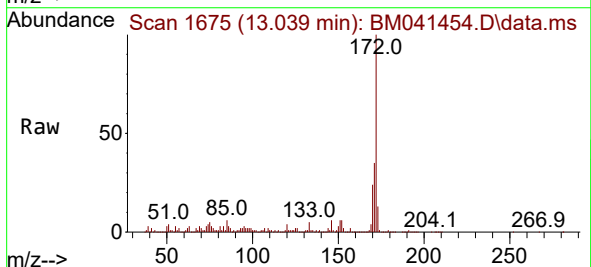
Instrument :
BNA_M
ClientSampleId :
CONC-WC-1

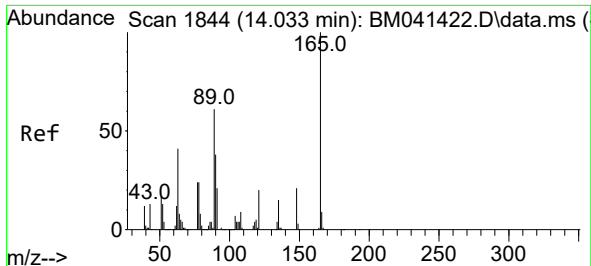
Tgt Ion:330 Resp: 122703
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 60.0 28.3 42.5#



#45
2-Fluorobiphenyl
Concen: 63.857 ng
RT: 13.039 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion:172 Resp: 2164832
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.6 19.0 28.6

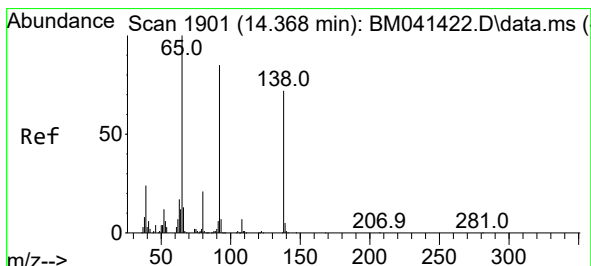
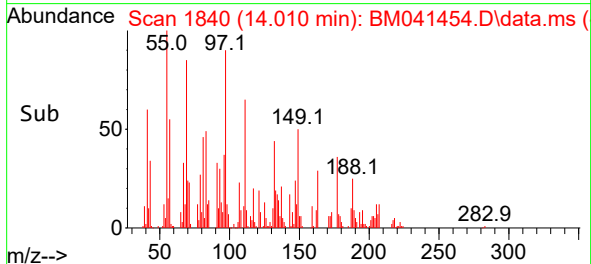
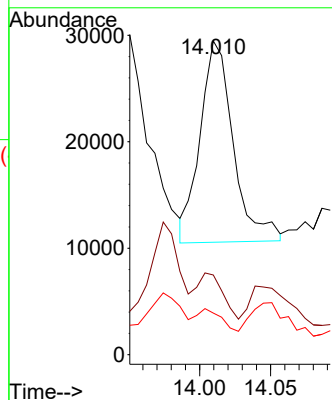
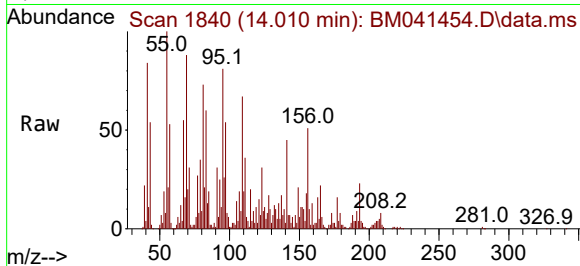




#51
2,6-Dinitrotoluene
Concen: 4.042 ng
RT: 14.010 min Scan# 1844
Delta R.T. -0.012 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

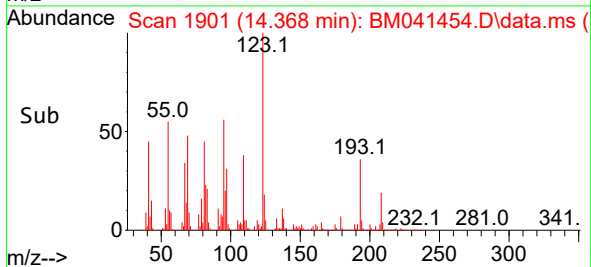
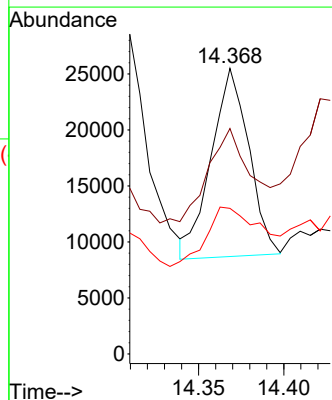
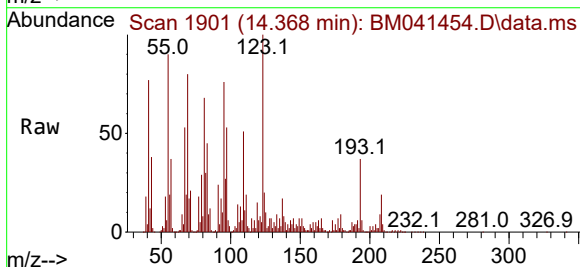
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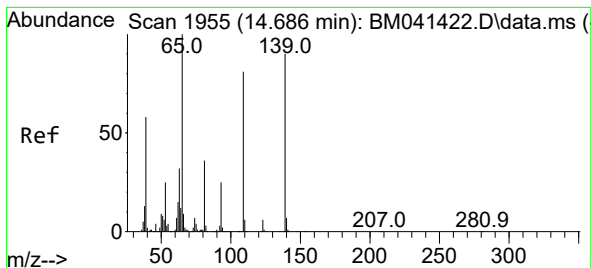
Tgt Ion:165 Resp: 30732
Ion Ratio Lower Upper
165 100
63 25.4 49.5 74.3#
89 13.3 49.4 74.0#



#53
3-Nitroaniline
Concen: 3.401 ng
RT: 14.368 min Scan# 1901
Delta R.T. 0.012 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion:138 Resp: 25783
Ion Ratio Lower Upper
138 100
108 78.9 7.9 11.9#
92 50.9 95.1 142.7#

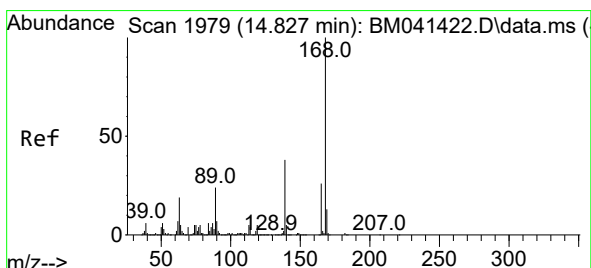
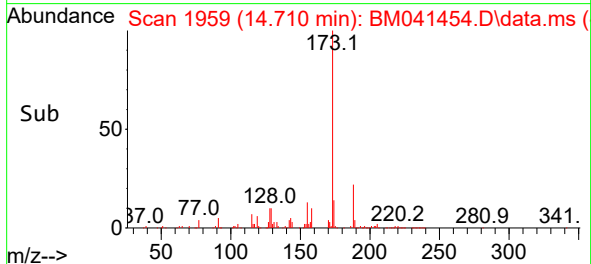
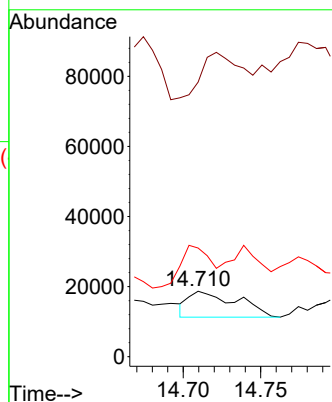
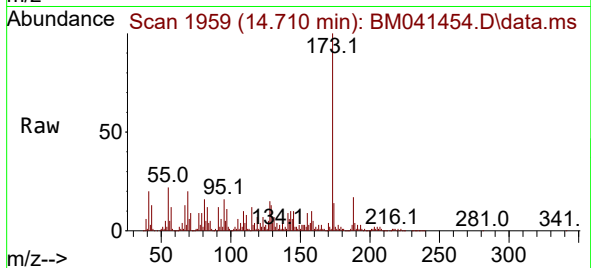




#56
4-Nitrophenol
Concen: 2.801 ng
RT: 14.710 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

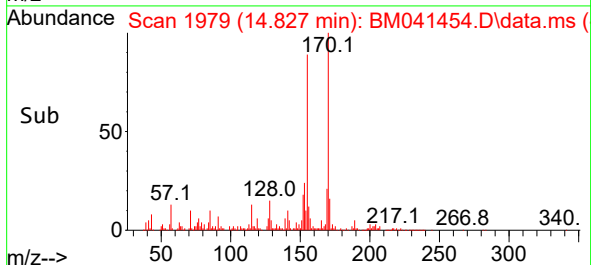
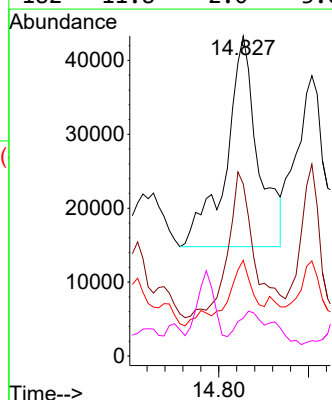
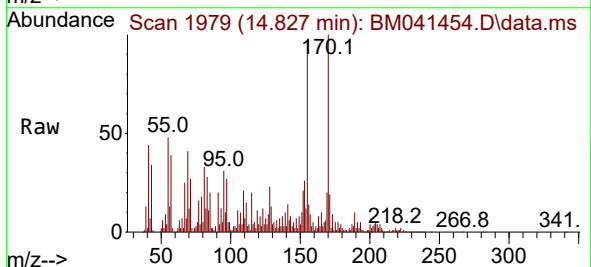
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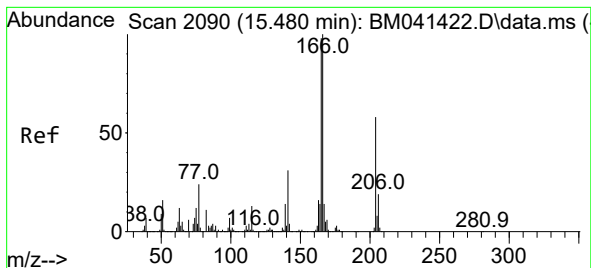
Tgt Ion:139 Resp: 15992
Ion Ratio Lower Upper
139 100
109 419.3 70.6 110.6#
65 166.0 91.8 131.8#



#57
2,4-Dinitrotoluene
Concen: 6.769 ng
RT: 14.827 min Scan# 1979
Delta R.T. 0.012 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Tgt Ion:165 Resp: 70323
Ion Ratio Lower Upper
165 100
63 53.8 56.8 85.2#
89 29.8 73.4 110.0#
182 11.8 2.0 3.0#





#58

Fluorene

Concen: 2.510 ng

RT: 15.486 min Scan# 2091

Delta R.T. 0.012 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

Instrument :

BNA_M

ClientSampleId :

CONC-WC-1

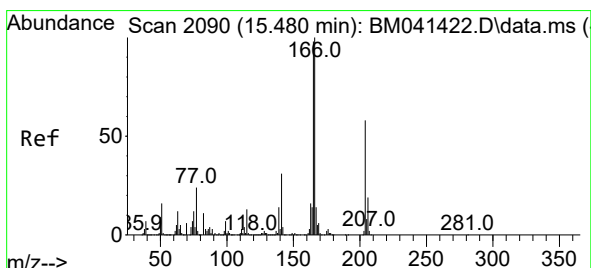
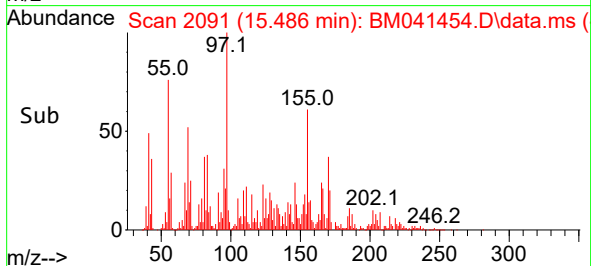
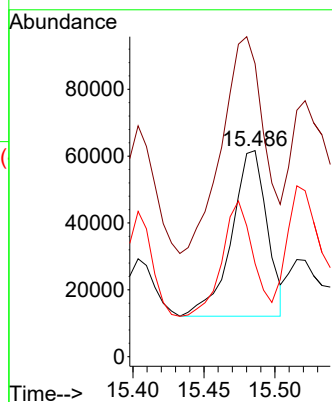
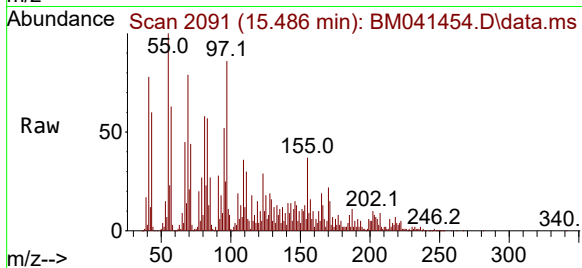
Tgt Ion:166 Resp: 86142

Ion Ratio Lower Upper

166 100

165 142.2 78.2 117.4#

167 45.2 11.2 16.8#



#61

4-Chlorophenyl-phenylether

Concen: 2.509 ng

RT: 15.492 min Scan# 2092

Delta R.T. 0.023 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

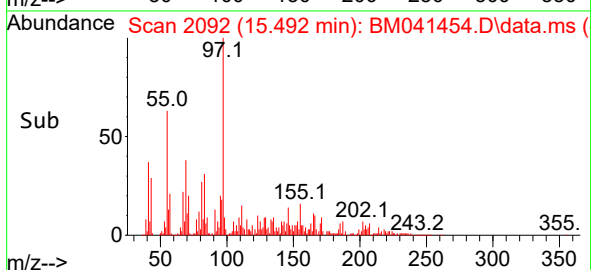
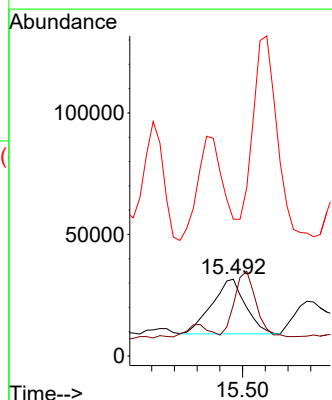
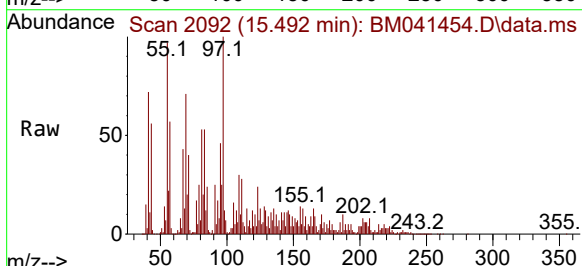
Tgt Ion:204 Resp: 46427

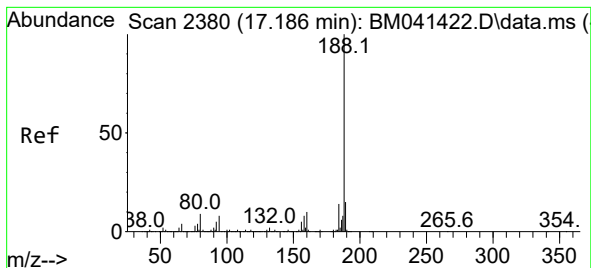
Ion Ratio Lower Upper

204 100

206 66.5 26.2 39.2#

141 178.2 42.9 64.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.204 min Scan# 2111

Delta R.T. 0.029 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

Instrument :

BNA_M

ClientSampleId :

CONC-WC-1

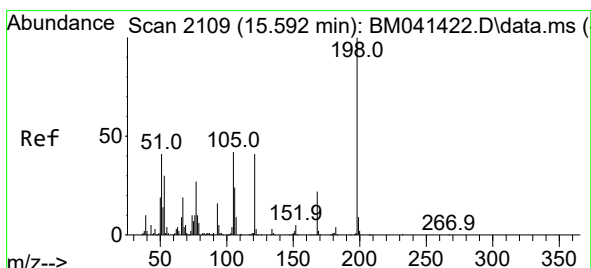
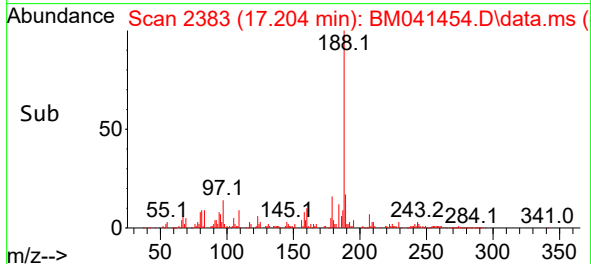
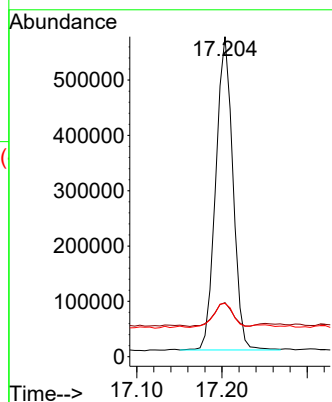
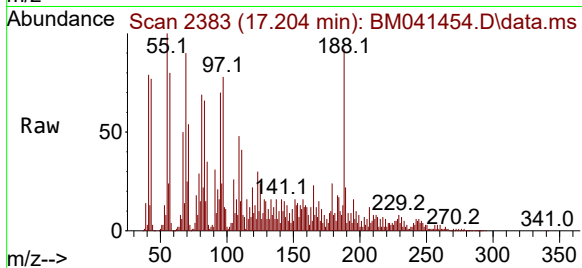
Tgt Ion:188 Resp: 790229

Ion Ratio Lower Upper

188 100

94 16.9 6.6 9.8#

80 16.7 7.5 11.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 3.509 ng

RT: 15.604 min Scan# 2111

Delta R.T. 0.024 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

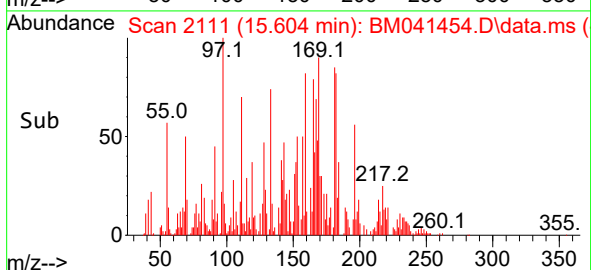
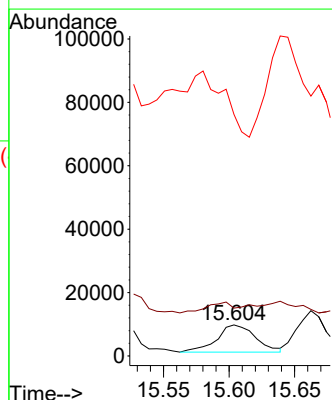
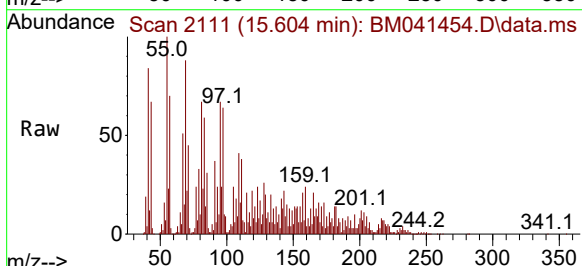
Tgt Ion:198 Resp: 17750

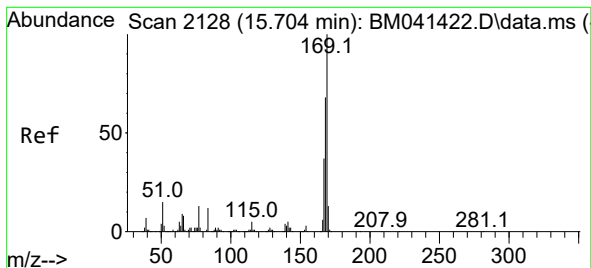
Ion Ratio Lower Upper

198 100

51 153.7 23.2 63.2#

105 777.3 22.4 62.4#

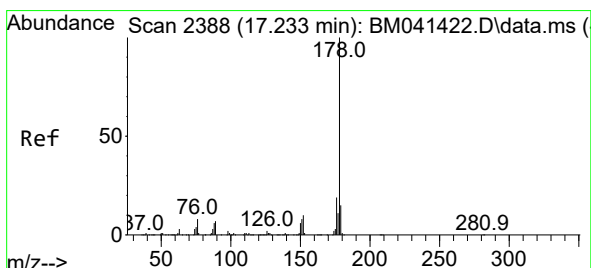
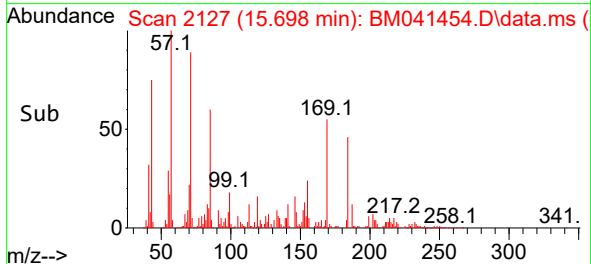
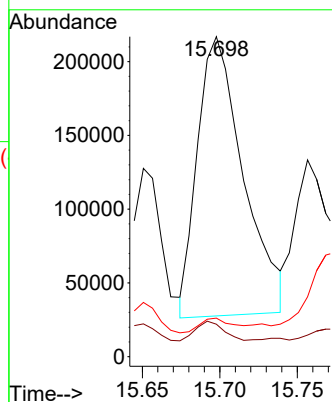
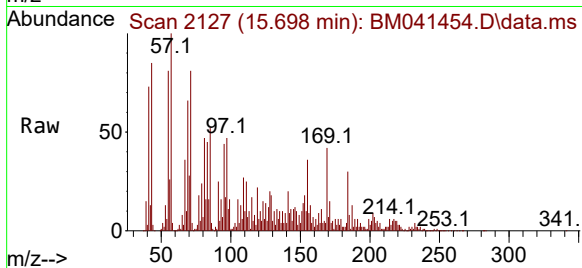




#66
 n-Nitrosodiphenylamine
 Concen: 16.743 ng
 RT: 15.698 min Scan# 2127
 Delta R.T. 0.006 min
 Lab File: BM041454.D
 Acq: 21 Aug 2023 18:51

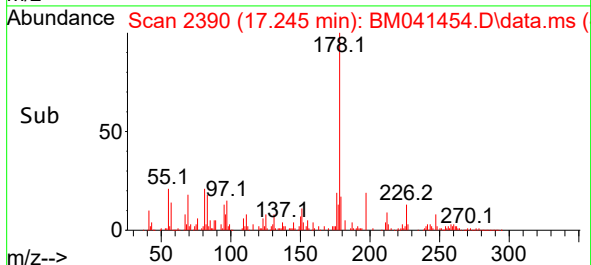
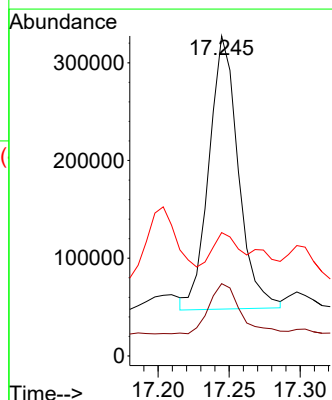
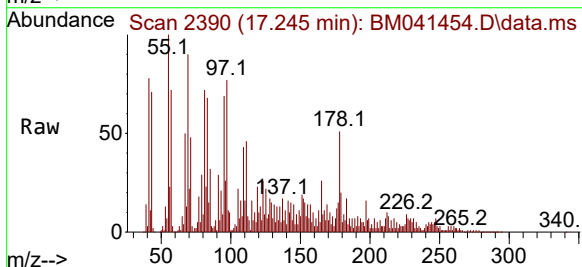
Instrument :
 BNA_M
 ClientSampleId :
 CONC-WC-1

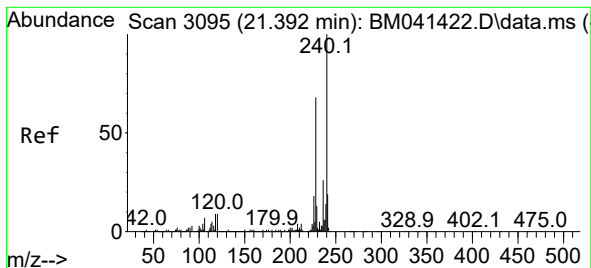
Tgt Ion:169 Resp: 389469
 Ion Ratio Lower Upper
 169 100
 168 10.2 54.5 81.7#
 167 12.1 29.9 44.9#



#71
 Phenanthrene
 Concen: 9.647 ng
 RT: 17.245 min Scan# 2390
 Delta R.T. 0.023 min
 Lab File: BM041454.D
 Acq: 21 Aug 2023 18:51

Tgt Ion:178 Resp: 402427
 Ion Ratio Lower Upper
 178 100
 176 22.6 15.5 23.3
 179 38.6 12.2 18.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3095

Delta R.T. 0.012 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

Instrument :

BNA_M

ClientSampleId :

CONC-WC-1

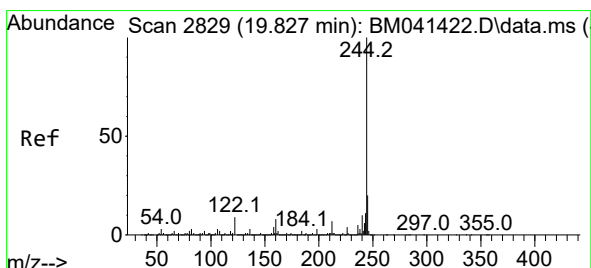
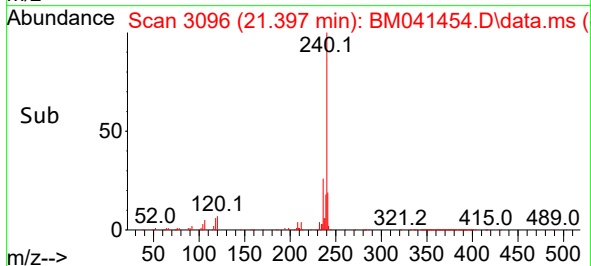
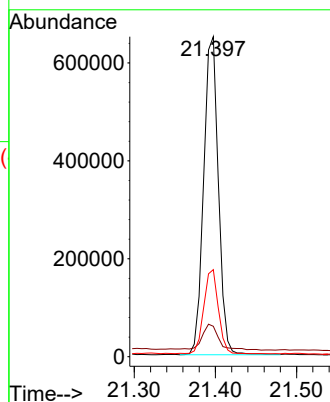
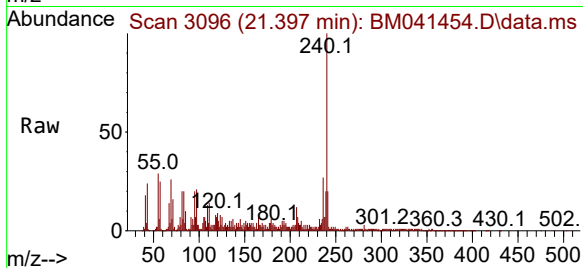
Tgt Ion:240 Resp: 819427

Ion Ratio Lower Upper

240 100

120 9.5 7.4 11.2

236 27.2 20.8 31.2



#79

Terphenyl-d14

Concen: 66.628 ng

RT: 19.839 min Scan# 2831

Delta R.T. 0.023 min

Lab File: BM041454.D

Acq: 21 Aug 2023 18:51

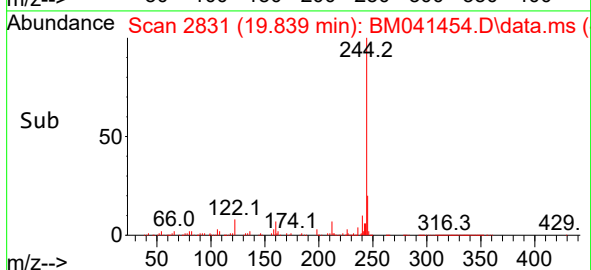
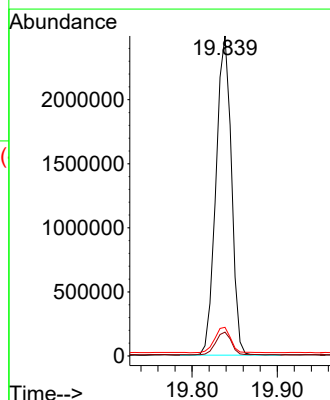
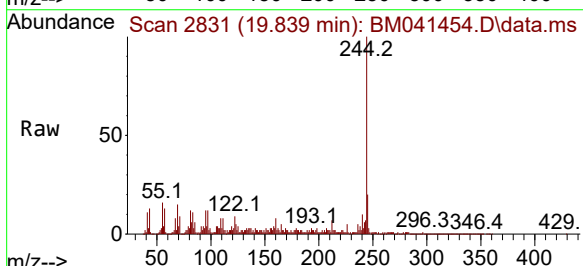
Tgt Ion:244 Resp: 3137456

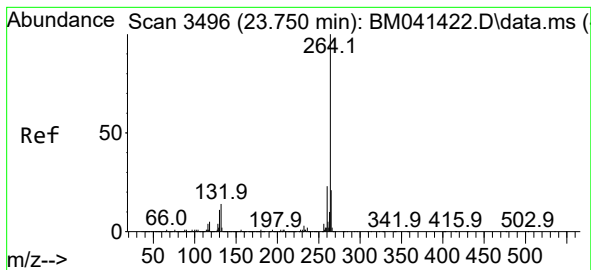
Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 8.9 6.9 10.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM041454.D
Acq: 21 Aug 2023 18:51

Instrument :
BNA_M
ClientSampleId :
CONC-WC-1

Tgt Ion:264 Resp: 770268

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	22.1	17.5	26.3

