

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027237.D
 Acq On : 29 Aug 2023 12:25
 Operator : MA/JU
 Sample : 04126-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW202D-20230819

Quant Time: Aug 30 00:03:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

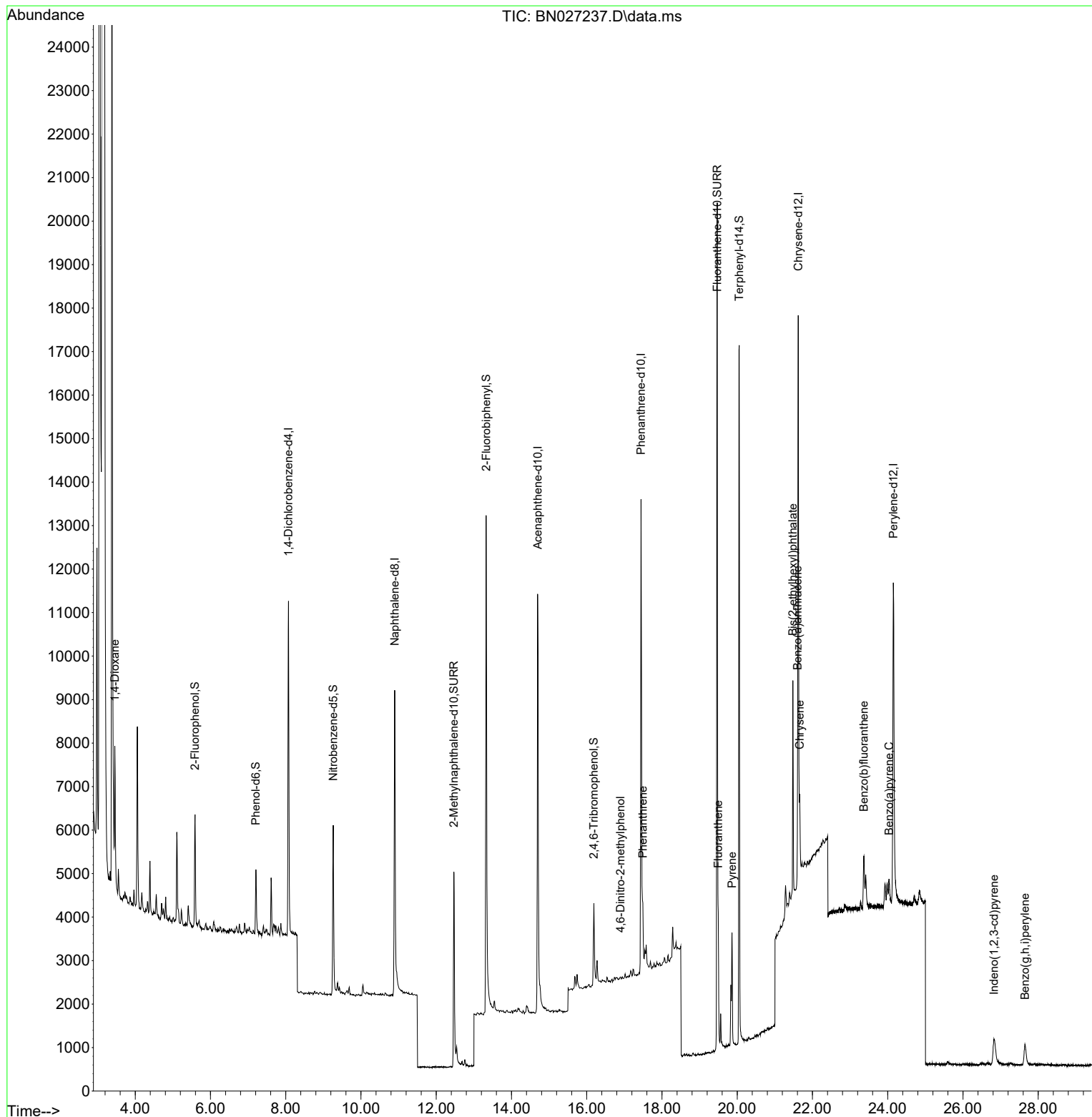
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	3956	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	10946	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	7049	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	16361	0.400	ng	0.00
29) Chrysene-d12	21.623	240	13602	0.400	ng	0.00
35) Perylene-d12	24.151	264	12865	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2280	0.221	ng	0.00
5) Phenol-d6	7.207	99	1650	0.132	ng	0.00
8) Nitrobenzene-d5	9.262	82	3521	0.441	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	7646	0.476	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1262	0.484	ng	0.00
15) 2-Fluorobiphenyl	13.325	172	11941	0.445	ng	0.00
27) Fluoranthene-d10	19.467	212	22550	0.554	ng	0.00
31) Terphenyl-d14	20.052	244	16600	0.608	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.458	88	2241	0.464	ng	# 92
20) 4,6-Dinitro-2-methylph...	16.897	198	8	0.034	ng	# 22
25) Phenanthrene	17.492	178	1562	0.032	ng	# 93
28) Fluoranthene	19.495	202	2487	0.044	ng	98
30) Pyrene	19.862	202	2401	0.044	ng	98
32) Benzo(a)anthracene	21.605	228	1357	0.029	ng	# 86
33) Chrysene	21.659	228	1608	0.031	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.479	149	4495	0.200	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.823	276	1207	0.023	ng	# 82
37) Benzo(b)fluoranthene	23.367	252	1965	0.039	ng	# 19
39) Benzo(a)pyrene	24.036	252	946	0.020	ng	# 1
41) Benzo(g,h,i)perylene	27.650	276	1274	0.027	ng	# 63

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

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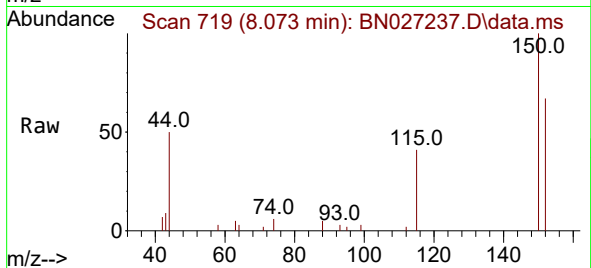
Quant Time: Aug 30 00:03:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
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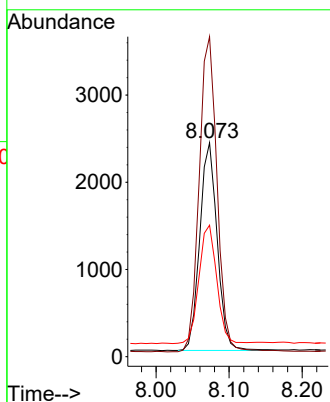
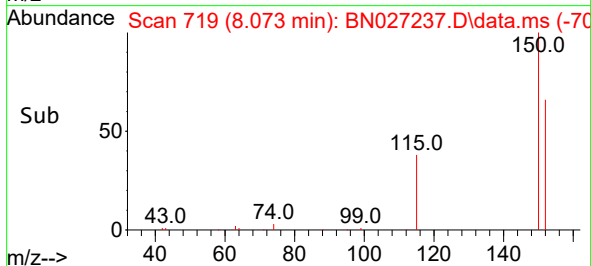


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.073 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN027237.D
 Acq: 29 Aug 2023 12:25

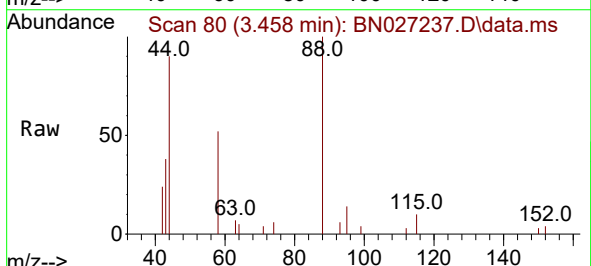
Instrument :
 BNA_N
 ClientSampleId :
 MW202D-20230819



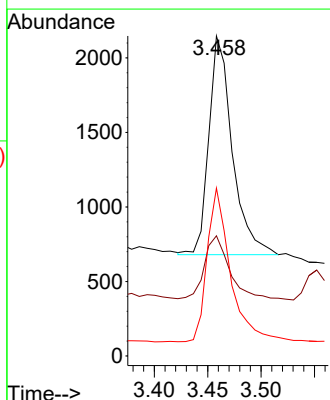
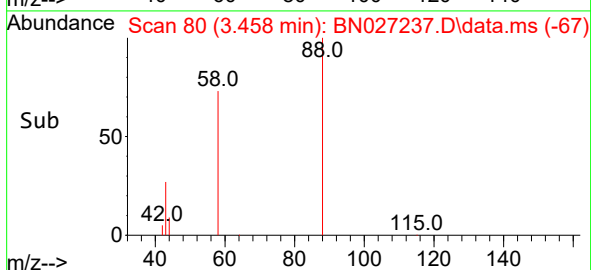
Tgt Ion:152 Resp: 3956
 Ion Ratio Lower Upper
 152 100
 150 149.6 122.7 184.1
 115 61.5 48.6 73.0



#2
 1,4-Dioxane
 Concen: 0.464 ng
 RT: 3.458 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: BN027237.D
 Acq: 29 Aug 2023 12:25



Tgt Ion: 88 Resp: 2241
 Ion Ratio Lower Upper
 88 100
 43 31.0 19.1 28.7#
 58 69.7 52.2 78.2

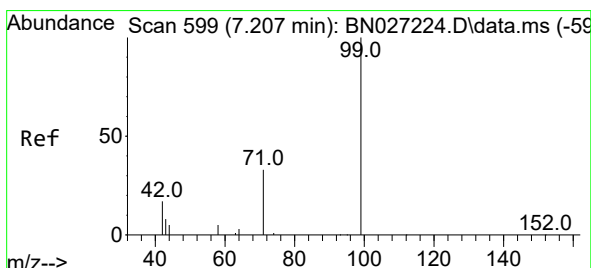
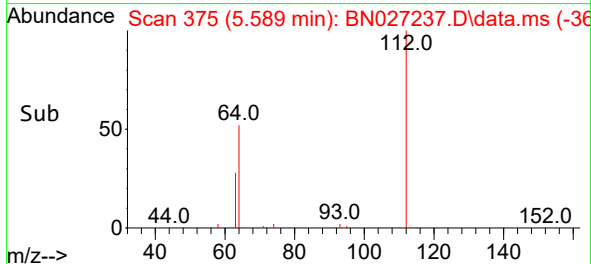
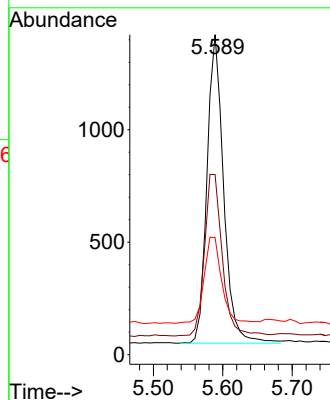
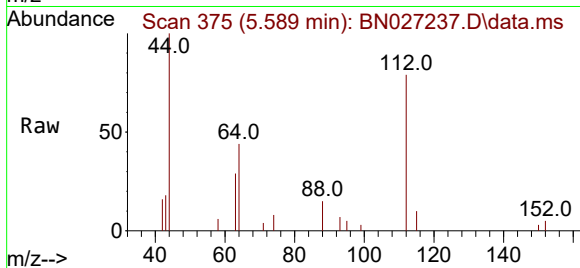




#4
2-Fluorophenol
Concen: 0.221 ng
RT: 5.589 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

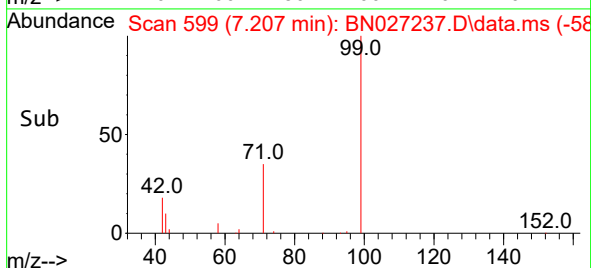
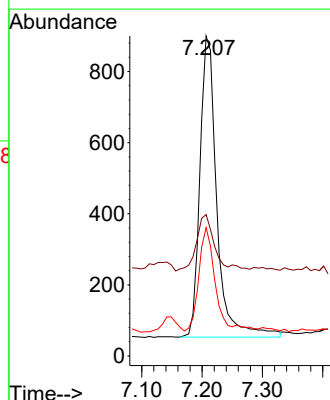
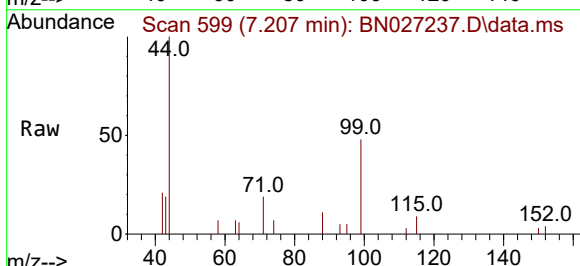
Instrument :
BNA_N
ClientSampleId :
MW202D-20230819

Tgt Ion:112 Resp: 2280
Ion Ratio Lower Upper
112 100
64 56.1 44.4 66.6
63 29.5 23.1 34.7



#5
Phenol-d6
Concen: 0.132 ng
RT: 7.207 min Scan# 599
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

Tgt Ion: 99 Resp: 1650
Ion Ratio Lower Upper
99 100
42 18.8 14.5 21.7
71 31.5 25.8 38.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.895 min Scan# 994

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

Instrument :

BNA_N

ClientSampleId :

MW202D-20230819

Tgt Ion:136 Resp: 10946

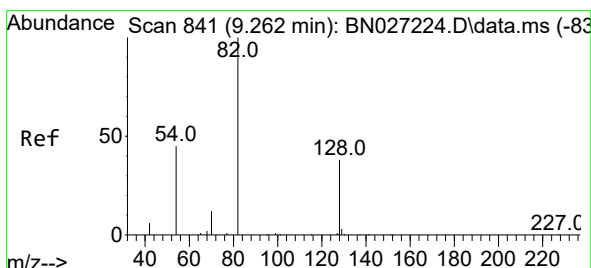
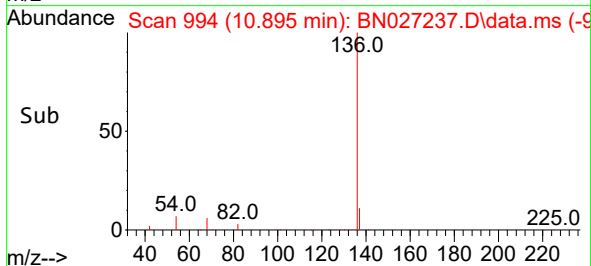
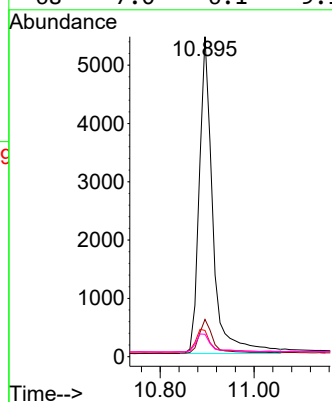
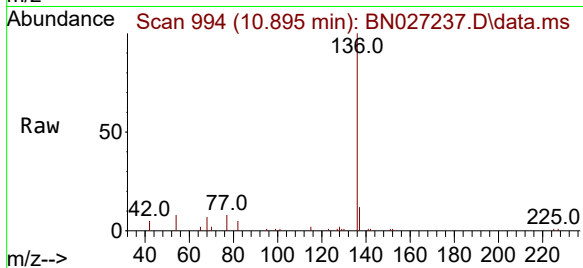
Ion Ratio Lower Upper

136 100

137 11.7 9.3 13.9

54 8.2 6.7 10.1

68 7.0 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.441 ng

RT: 9.262 min Scan# 841

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

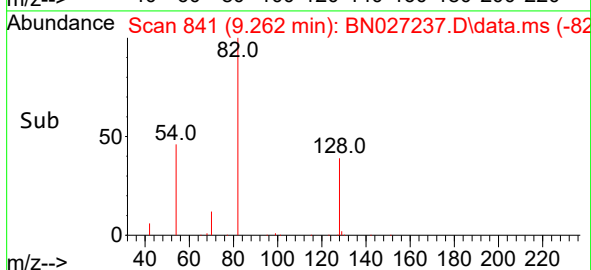
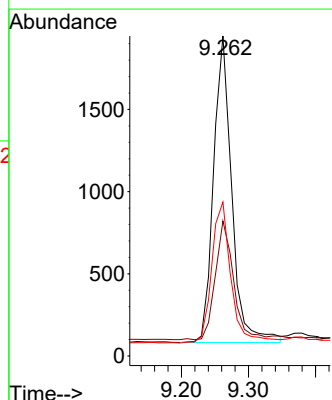
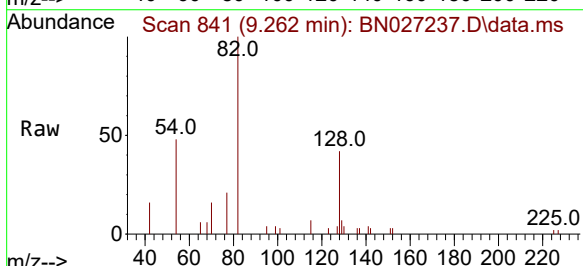
Tgt Ion: 82 Resp: 3521

Ion Ratio Lower Upper

82 100

128 42.2 33.4 50.0

54 48.1 37.7 56.5

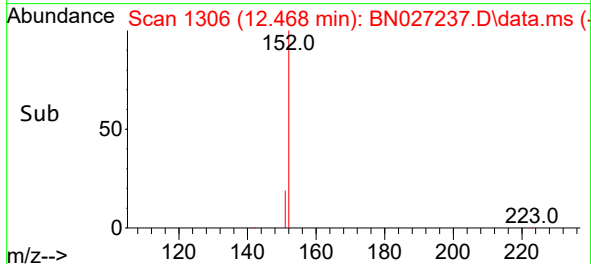
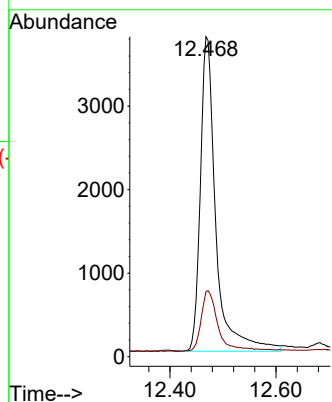
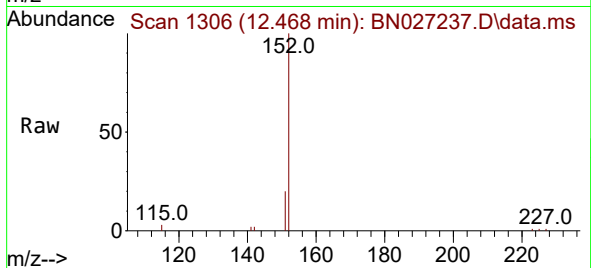




#11
2-Methylnaphthalene-d10
Concen: 0.476 ng
RT: 12.468 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

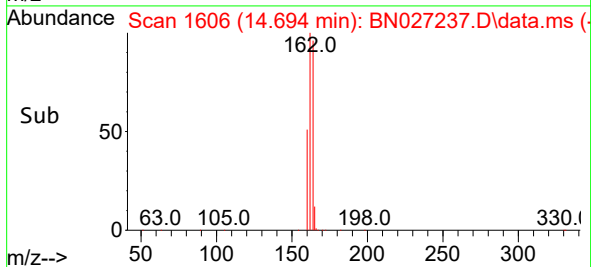
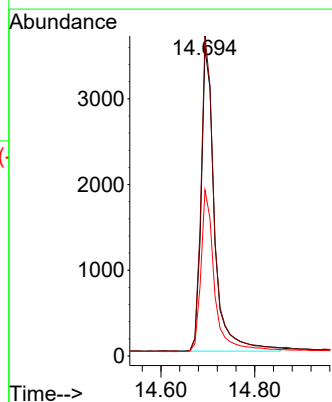
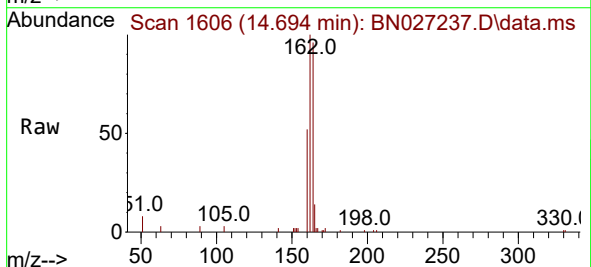
Instrument :
BNA_N
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MW202D-20230819

Tgt Ion:152 Resp: 7646
Ion Ratio Lower Upper
152 100
151 21.2 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

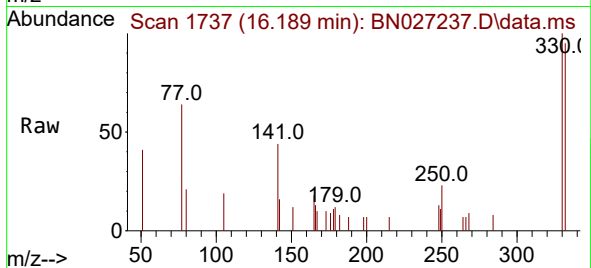
Tgt Ion:164 Resp: 7049
Ion Ratio Lower Upper
164 100
162 104.0 85.8 128.8
160 54.0 44.2 66.2



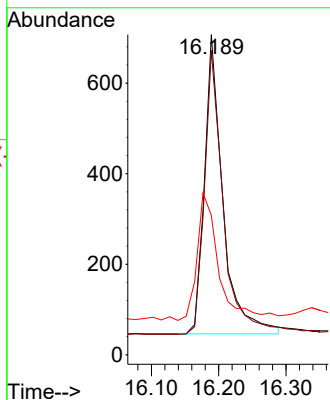
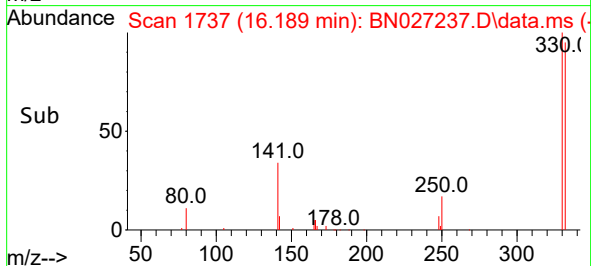


#14
2,4,6-Tribromophenol
Concen: 0.484 ng
RT: 16.189 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

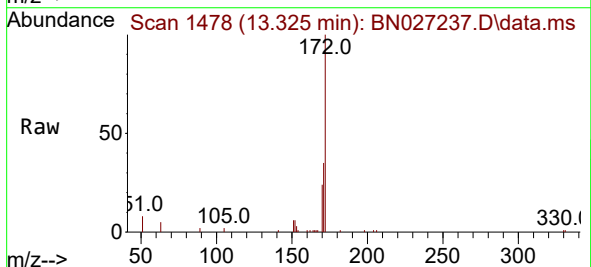
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ClientSampleId :
MW202D-20230819



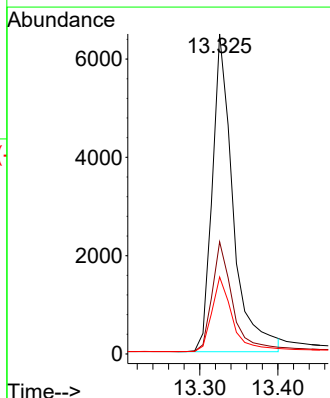
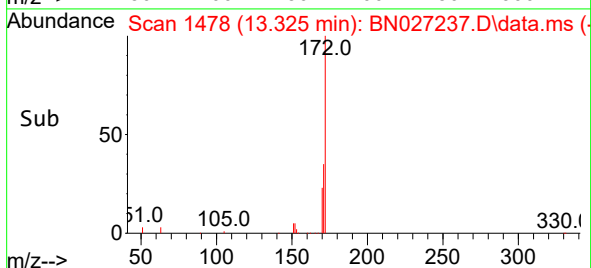
Tgt Ion:330 Resp: 1262
Ion Ratio Lower Upper
330 100
332 96.3 75.2 112.8
141 49.8 36.2 54.4

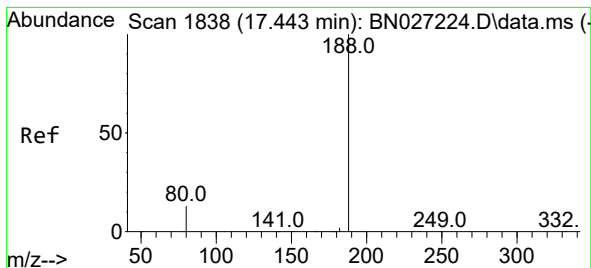


#15
2-Fluorobiphenyl
Concen: 0.445 ng
RT: 13.325 min Scan# 1478
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25



Tgt Ion:172 Resp: 11941
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 24.0 19.3 28.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

Instrument :

BNA_N

ClientSampleId :

MW202D-20230819

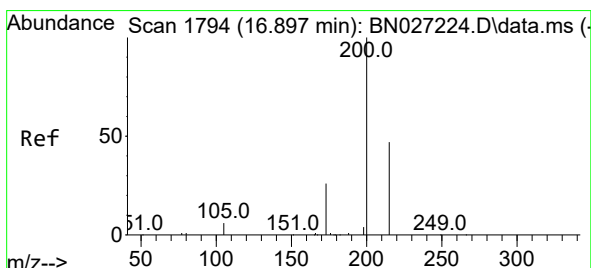
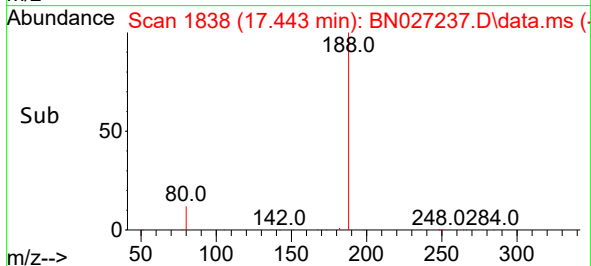
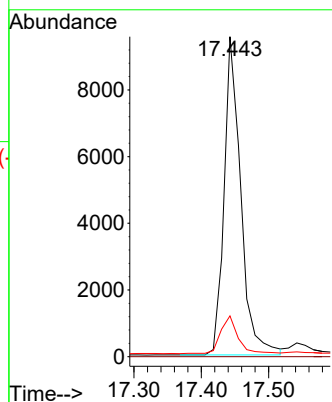
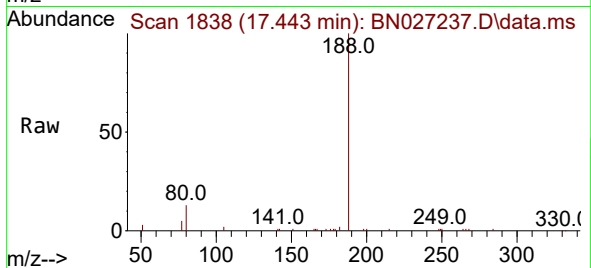
Tgt Ion:188 Resp: 16361

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 11.0 16.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.034 ng

RT: 16.897 min Scan# 1794

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

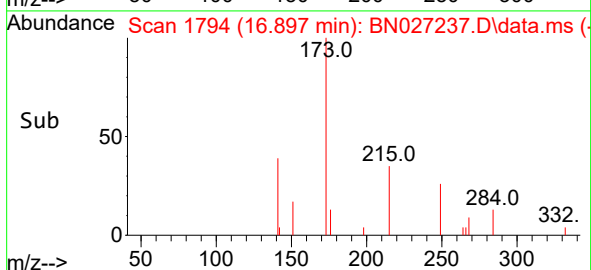
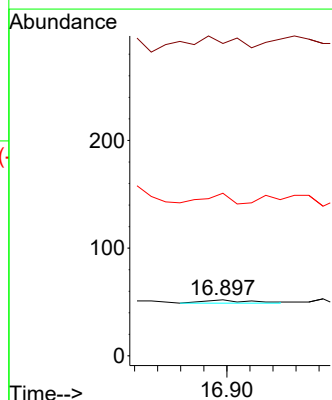
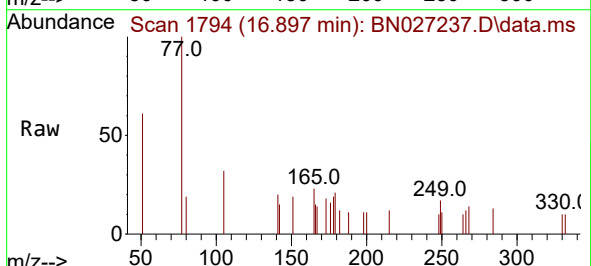
Tgt Ion:198 Resp: 8

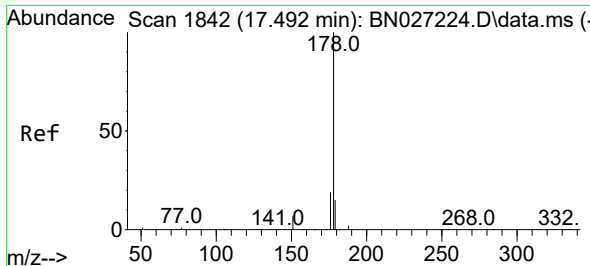
Ion Ratio Lower Upper

198 100

51 557.7 282.2 423.2#

105 290.4 168.7 253.1#

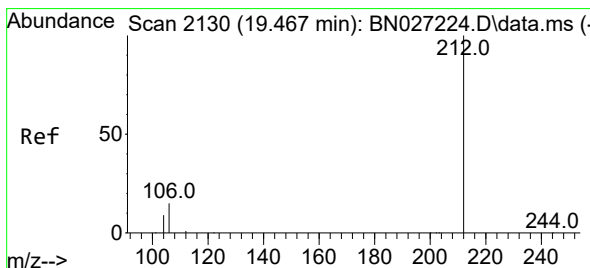
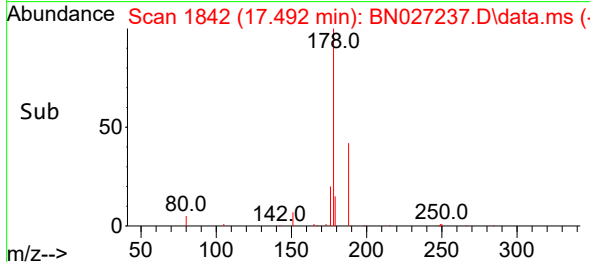
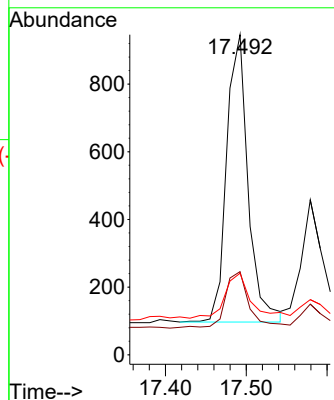
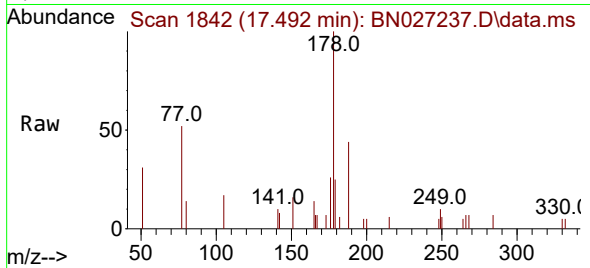




#25
Phenanthrene
Concen: 0.032 ng
RT: 17.492 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

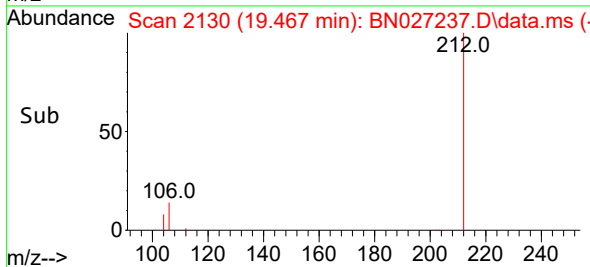
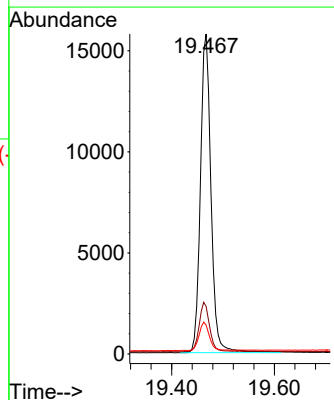
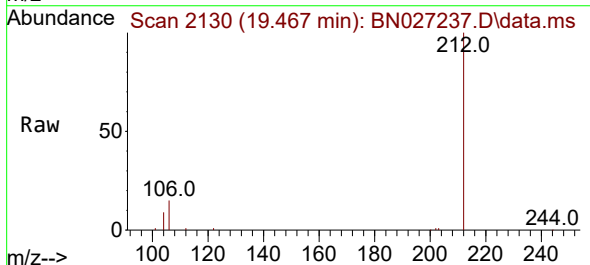
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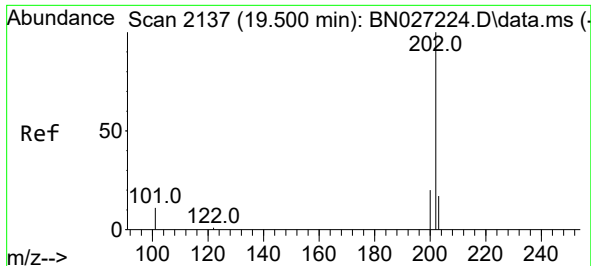
Tgt Ion:178 Resp: 1562
Ion Ratio Lower Upper
178 100
176 21.9 15.6 23.4
179 19.0 12.3 18.5#



#27
Fluoranthene-d10
Concen: 0.554 ng
RT: 19.467 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

Tgt Ion:212 Resp: 22550
Ion Ratio Lower Upper
212 100
106 15.3 12.1 18.1
104 8.6 6.9 10.3

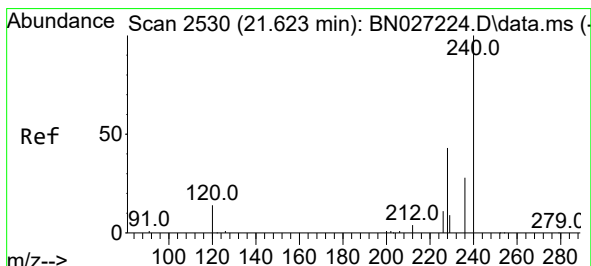
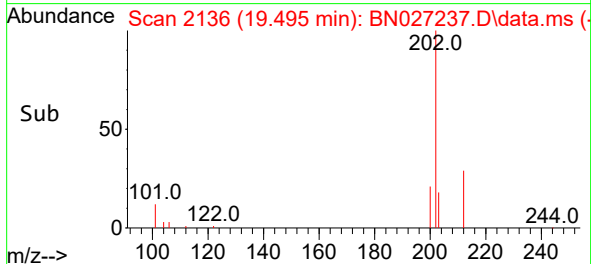
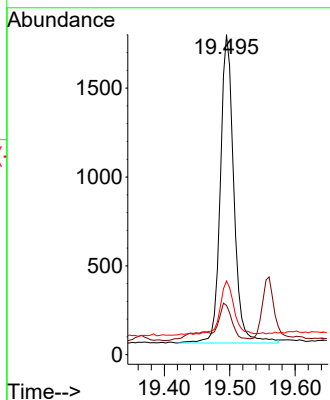
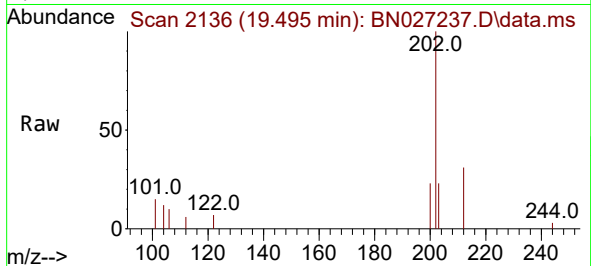




#28
Fluoranthene
Concen: 0.044 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

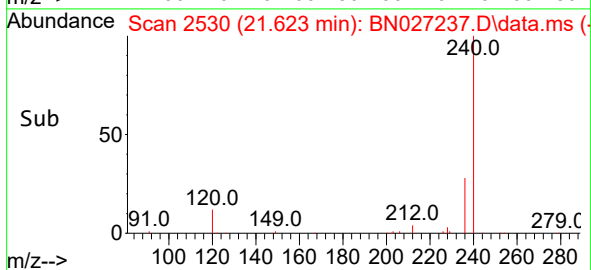
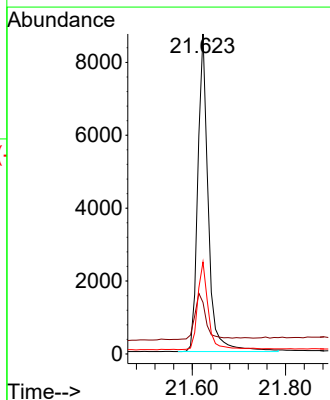
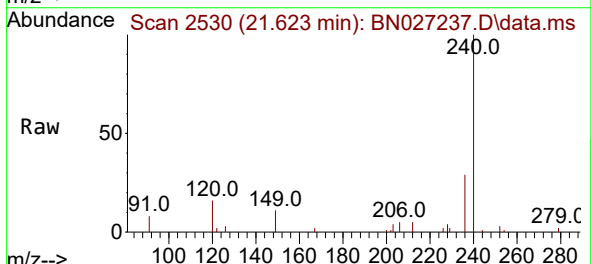
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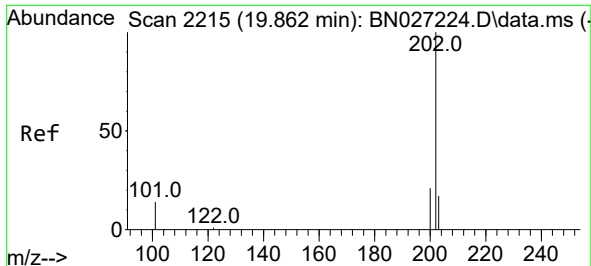
Tgt Ion:202 Resp: 2487
Ion Ratio Lower Upper
202 100
101 10.7 9.6 14.4
203 17.6 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.623 min Scan# 2530
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

Tgt Ion:240 Resp: 13602
Ion Ratio Lower Upper
240 100
120 16.1 14.2 21.4
236 28.8 22.9 34.3

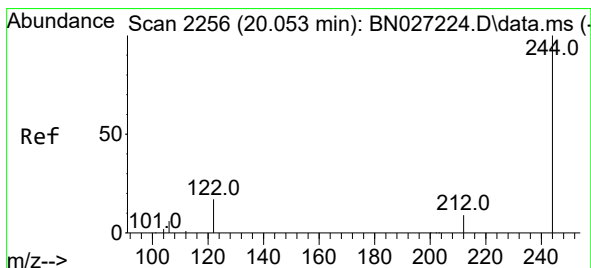
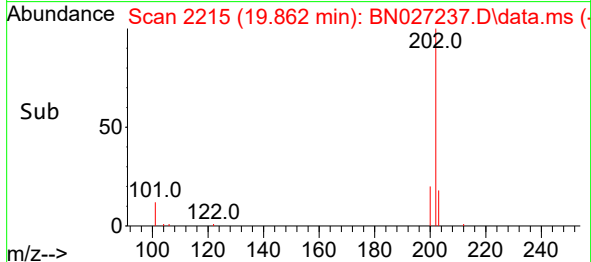
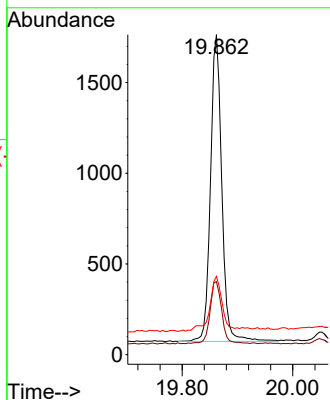
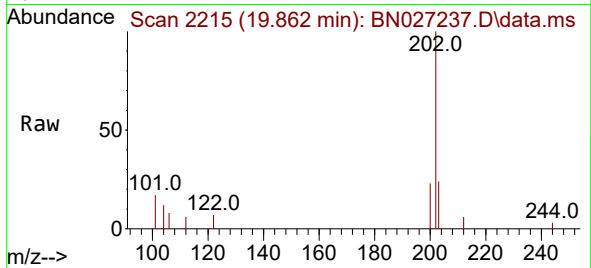




#30
Pyrene
Concen: 0.044 ng
RT: 19.862 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

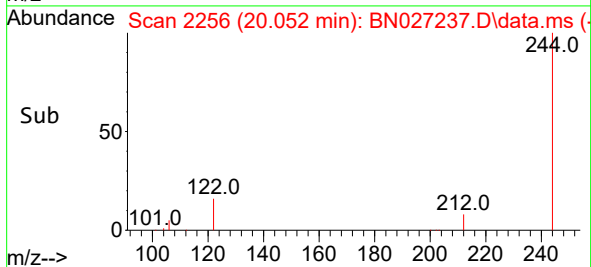
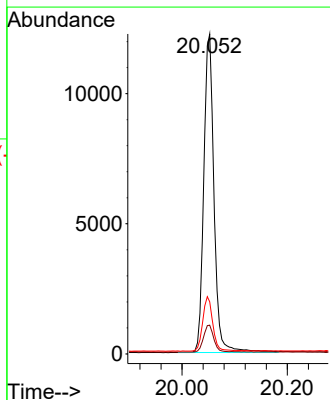
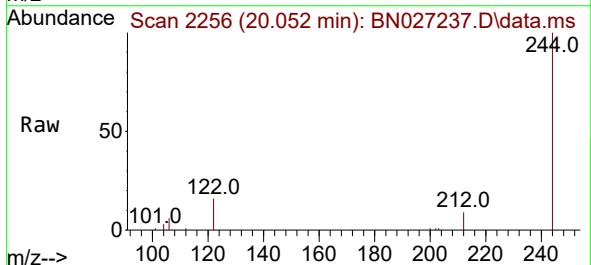
Instrument :
BNA_N
ClientSampleId :
MW202D-20230819

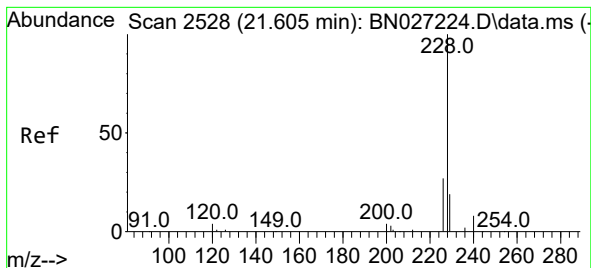
Tgt Ion:202 Resp: 2401
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 19.7 14.2 21.4



#31
Terphenyl-d14
Concen: 0.608 ng
RT: 20.052 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

Tgt Ion:244 Resp: 16600
Ion Ratio Lower Upper
244 100
212 9.0 7.5 11.3
122 16.3 14.0 21.0





#32

Benzo(a)anthracene

Concen: 0.029 ng

RT: 21.605 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

Instrument :

BNA_N

ClientSampleId :

MW202D-20230819

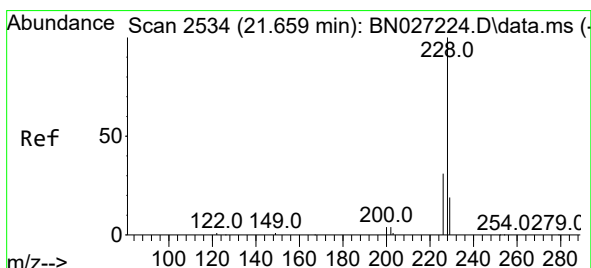
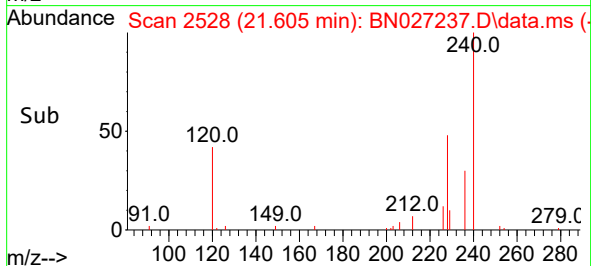
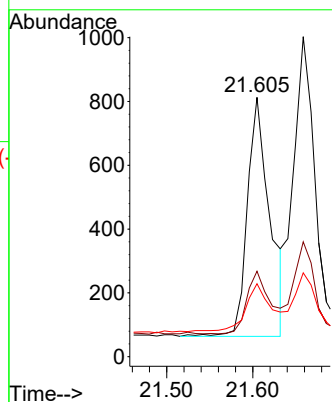
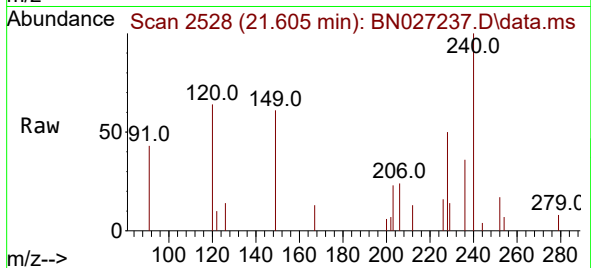
Tgt Ion:228 Resp: 1357

Ion Ratio Lower Upper

228 100

226 33.0 21.9 32.9#

229 28.2 15.7 23.5#



#33

Chrysene

Concen: 0.031 ng

RT: 21.659 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

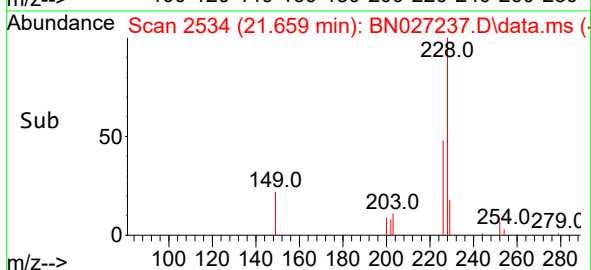
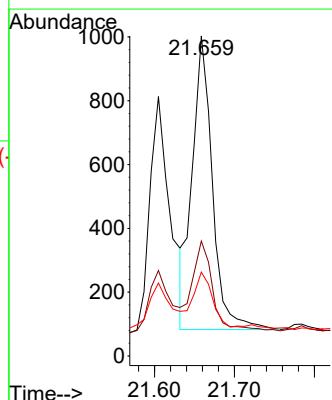
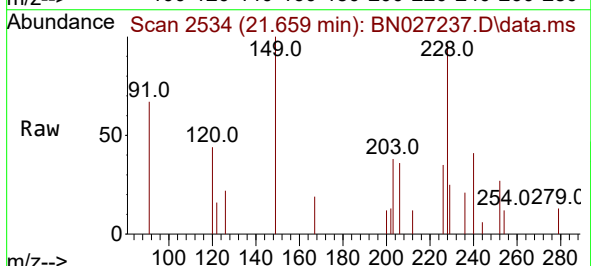
Tgt Ion:228 Resp: 1608

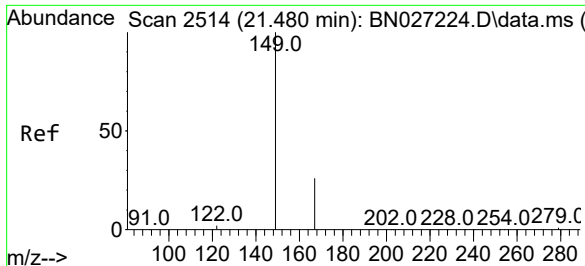
Ion Ratio Lower Upper

228 100

226 35.9 24.3 36.5

229 26.2 15.4 23.2#

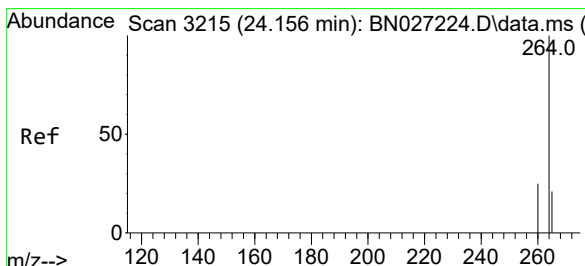
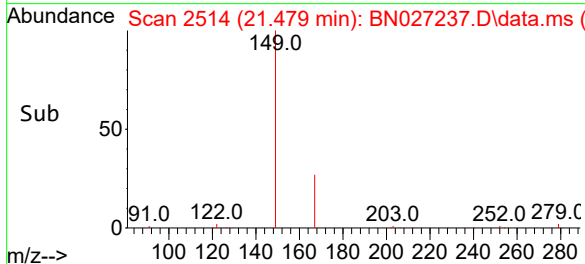
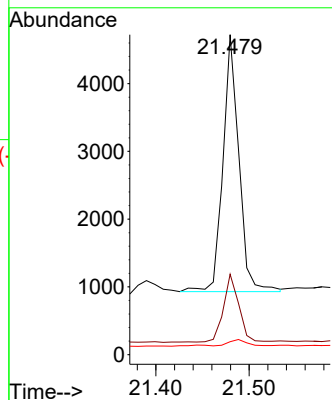
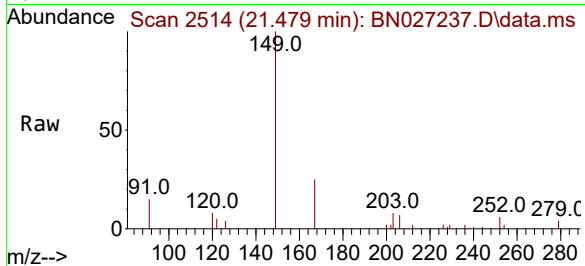




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.200 ng
 RT: 21.479 min Scan# 2149
 Delta R.T. -0.000 min
 Lab File: BN027237.D
 Acq: 29 Aug 2023 12:25

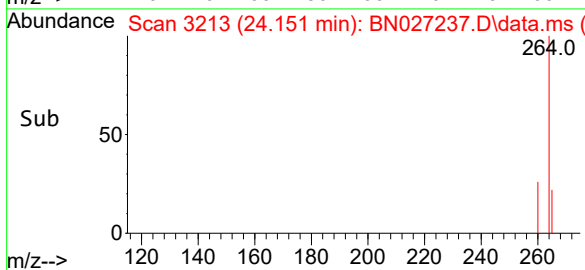
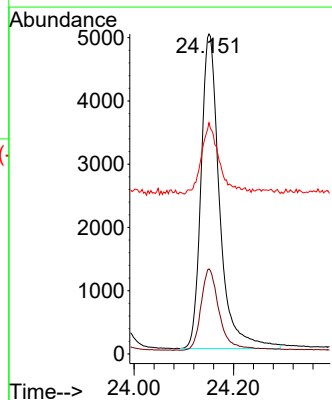
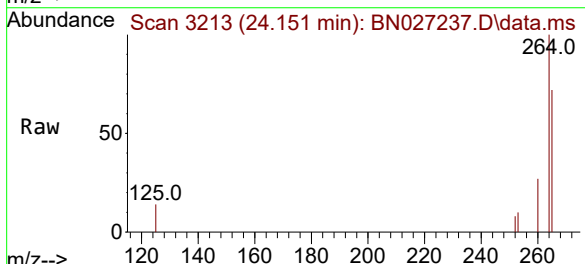
Instrument :
 BNA_N
 ClientSampleId :
 MW202D-20230819

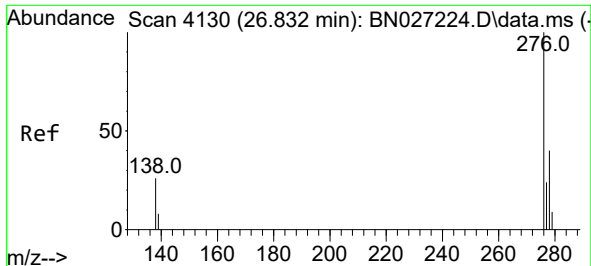
Tgt Ion:149 Resp: 4495
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.1 33.1
 279 2.7 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.151 min Scan# 3213
 Delta R.T. -0.006 min
 Lab File: BN027237.D
 Acq: 29 Aug 2023 12:25

Tgt Ion:264 Resp: 12865
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.7 31.1
 265 72.2 53.3 79.9

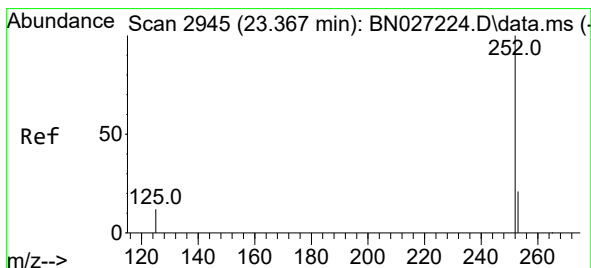
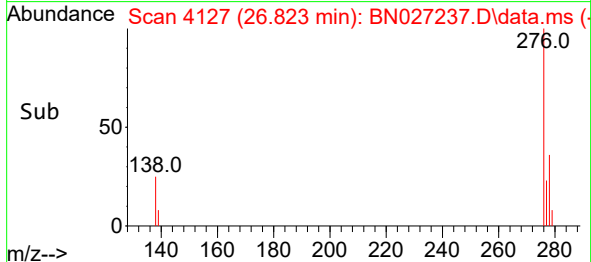
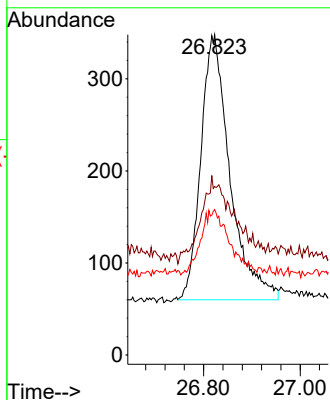
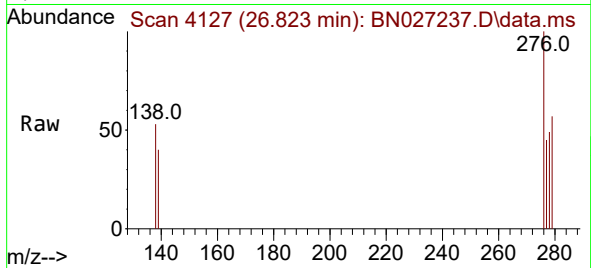




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 26.823 min Scan# 4130
Delta R.T. -0.009 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

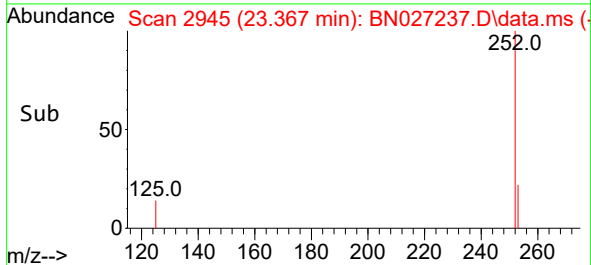
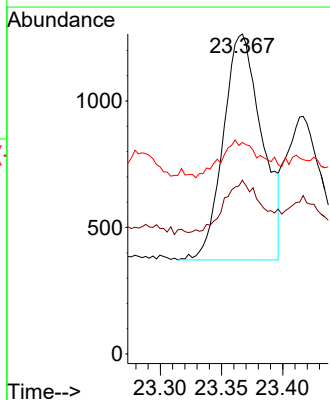
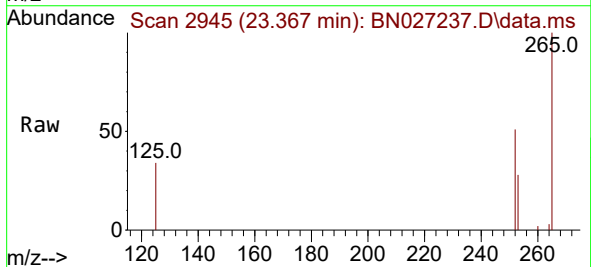
Instrument :
BNA_N
ClientSampleId :
MW202D-20230819

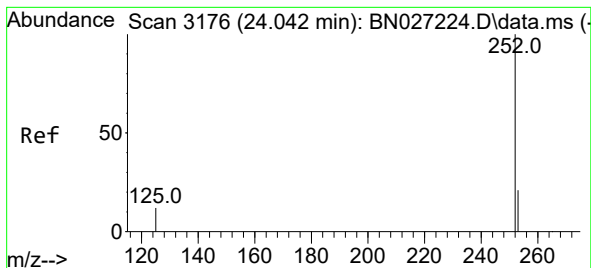
Tgt Ion:276 Resp: 1207
Ion Ratio Lower Upper
276 100
138 12.2 23.4 35.2#
277 23.5 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.039 ng
RT: 23.367 min Scan# 2945
Delta R.T. -0.000 min
Lab File: BN027237.D
Acq: 29 Aug 2023 12:25

Tgt Ion:252 Resp: 1965
Ion Ratio Lower Upper
252 100
253 54.3 19.9 29.9#
125 66.1 13.8 20.6#





#39

Benzo(a)pyrene

Concen: 0.020 ng

RT: 24.036 min Scan# 3176

Delta R.T. -0.006 min

Lab File: BN027237.D

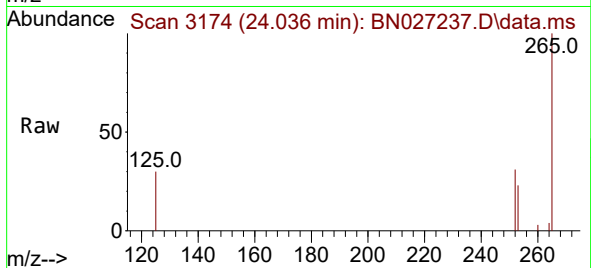
Acq: 29 Aug 2023 12:25

Instrument :

BNA_N

ClientSampleId :

MW202D-20230819



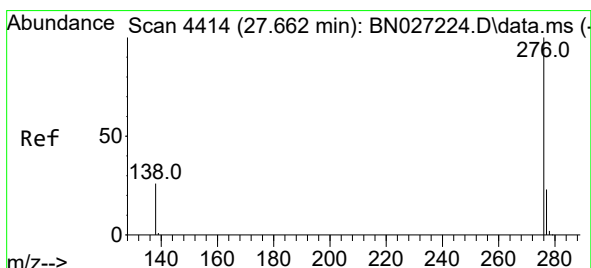
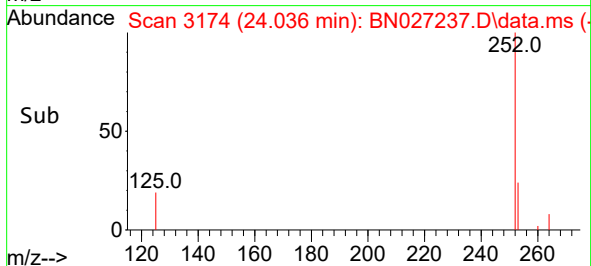
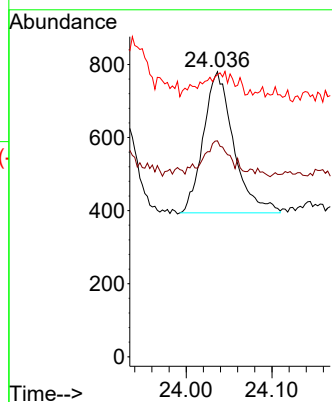
Tgt Ion:252 Resp: 946

Ion Ratio Lower Upper

252 100

253 75.8 21.4 32.0#

125 99.0 16.5 24.7#



#41

Benzo(g,h,i)perylene

Concen: 0.027 ng

RT: 27.650 min Scan# 4410

Delta R.T. -0.012 min

Lab File: BN027237.D

Acq: 29 Aug 2023 12:25

Tgt Ion:276 Resp: 1274

Ion Ratio Lower Upper

276 100

277 42.3 19.6 29.4#

138 47.6 22.1 33.1#

