

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091823\
 Data File : BN027738.D
 Acq On : 18 Sep 2023 17:28
 Operator : MA/JU
 Sample : 04414-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-08B-18-091223

Quant Time: Sep 19 04:02:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 14:40:21 2023
 Response via : Initial Calibration

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

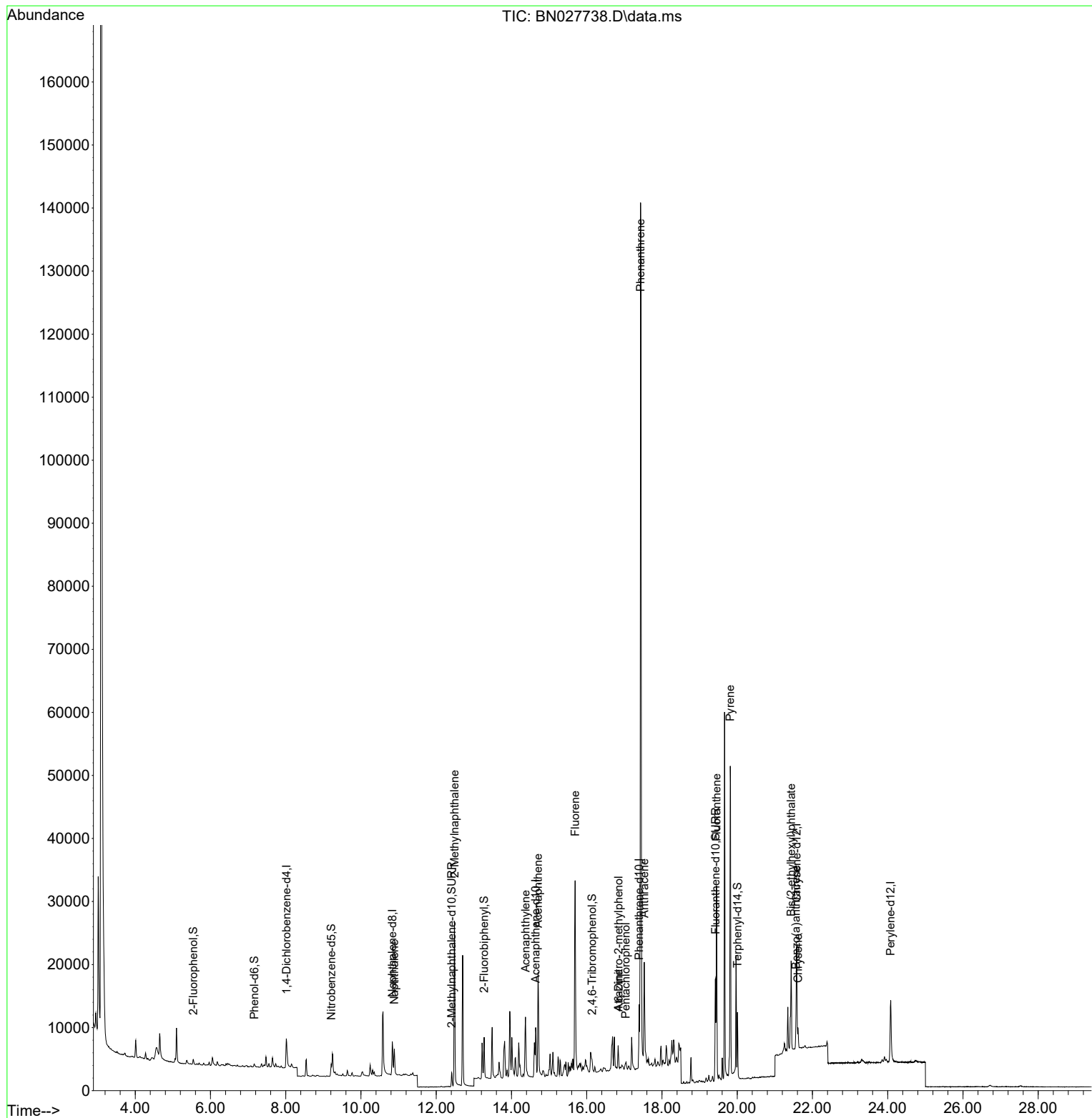
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.015	152	2234	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	7533	0.400	ng	0.00
13) Acenaphthene-d10	14.640	164	5149	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	13502	0.400	ng	0.00
29) Chrysene-d12	21.578	240	15142	0.400	ng	# 0.00
35) Perylene-d12	24.077	264	15869	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.545	112	671	0.115	ng	0.00
5) Phenol-d6	7.163	99	498	0.070	ng	0.00
8) Nitrobenzene-d5	9.208	82	1797	0.294	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	3157	0.284	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	588	0.244	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	5877	0.335	ng	0.00
27) Fluoranthene-d10	19.421	212	13055	0.346	ng	0.00
31) Terphenyl-d14	20.006	244	10278	0.362	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.885	128	5211	0.251	ng	95
12) 2-Methylnaphthalene	12.487	142	20423	1.405	ng	99
16) Acenaphthylene	14.373	152	9688	0.442	ng	# 95
17) Acenaphthene	14.704	154	8572	0.563	ng	97
18) Fluorene	15.693	166	26569	1.183	ng	92
20) 4,6-Dinitro-2-methylph...	16.847	198	28	0.134	ng	# 1
23) Atrazine	16.847	200	419	0.075	ng	# 46
24) Pentachlorophenol	17.033	266	85	0.022	ng	# 69
25) Phenanthrene	17.430	178	162896	4.148	ng	100
26) Anthracene	17.530	178	20415	0.603	ng	99
28) Fluoranthene	19.448	202	27780	0.540	ng	100
30) Pyrene	19.816	202	44949	0.870	ng	99
32) Benzo(a)anthracene	21.560	228	3070	0.057	ng	# 88
33) Chrysene	21.614	228	3052	0.053	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.435	149	18330	0.719	ng	98

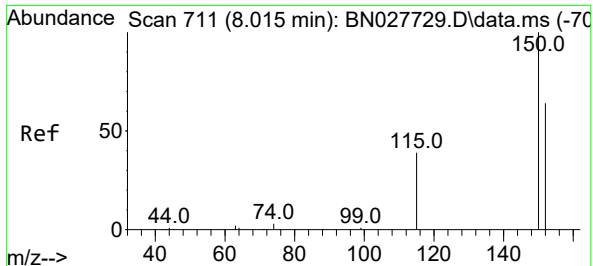
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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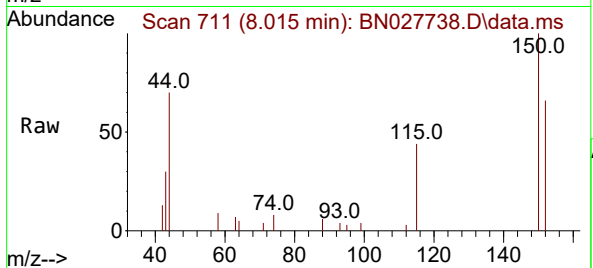
Quant Time: Sep 19 04:02:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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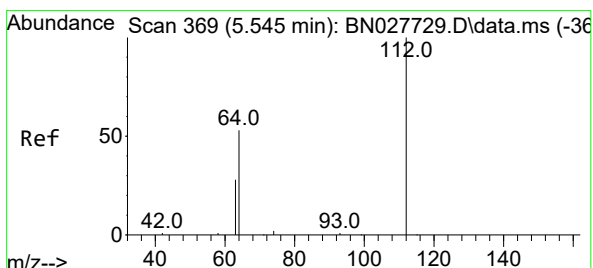
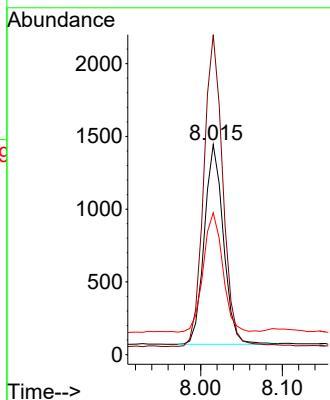
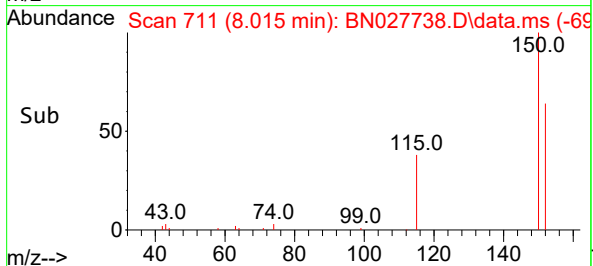


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.015 min Scan# 711
Delta R.T. 0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

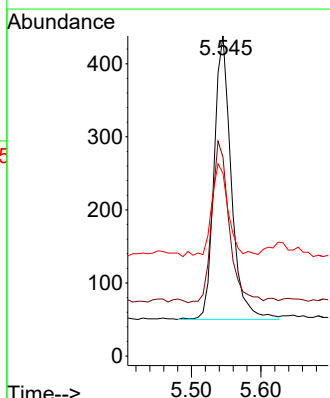
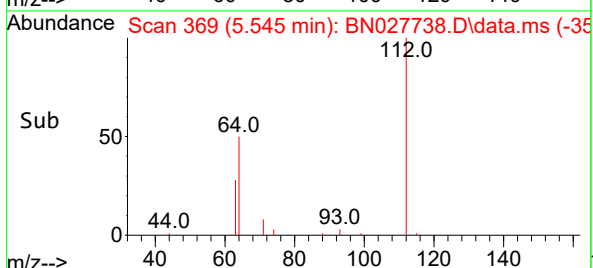
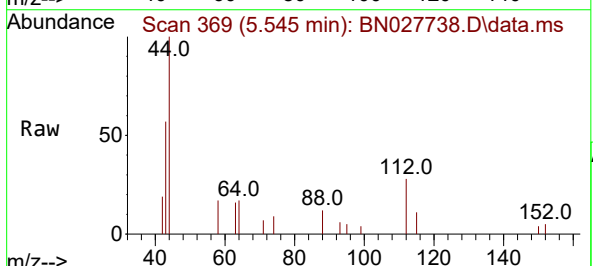


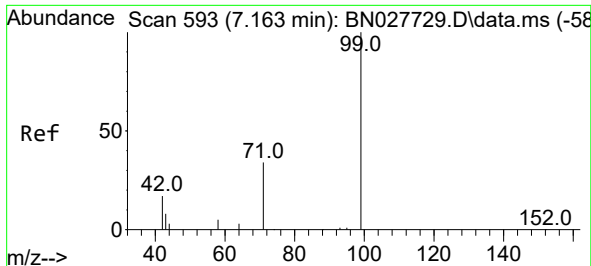
Tgt Ion:152 Resp: 2234
Ion Ratio Lower Upper
152 100
150 152.3 119.2 178.8
115 67.5 53.8 80.8



#4
2-Fluorophenol
Concen: 0.115 ng
RT: 5.545 min Scan# 369
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion:112 Resp: 671
Ion Ratio Lower Upper
112 100
64 57.2 45.0 67.6
63 30.4 24.1 36.1

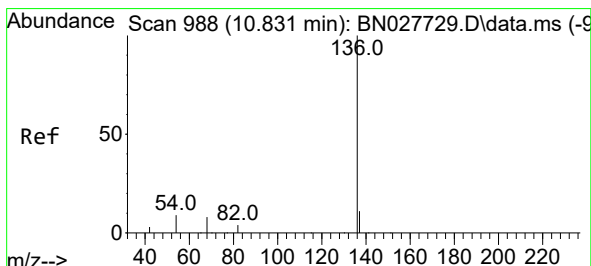
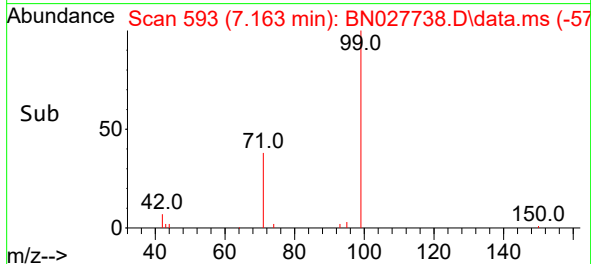
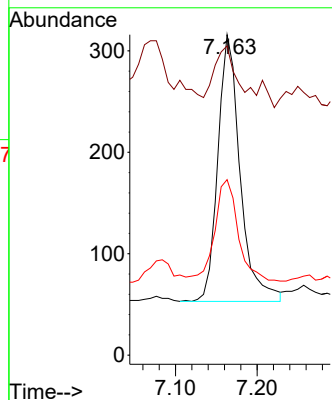
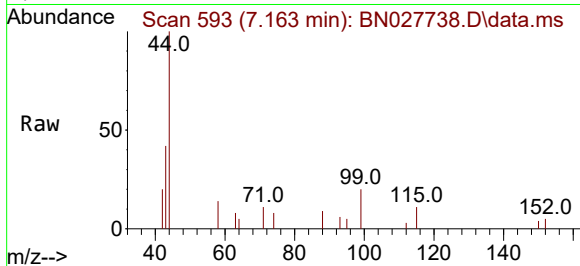




#5
Phenol-d6
Concen: 0.070 ng
RT: 7.163 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

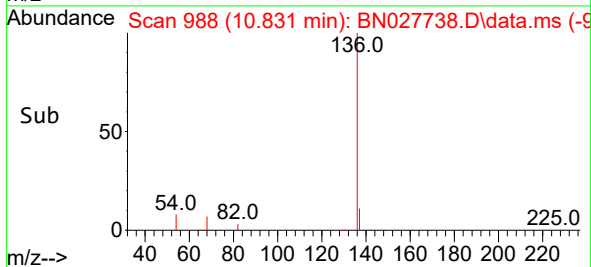
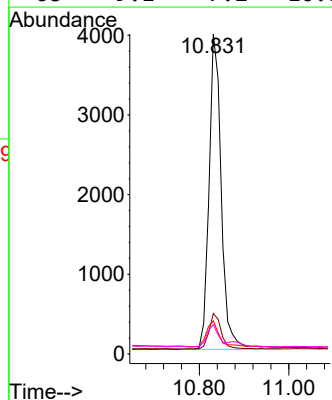
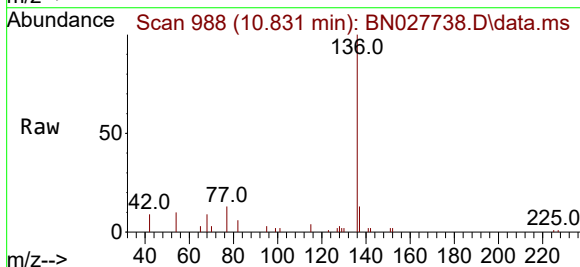
Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

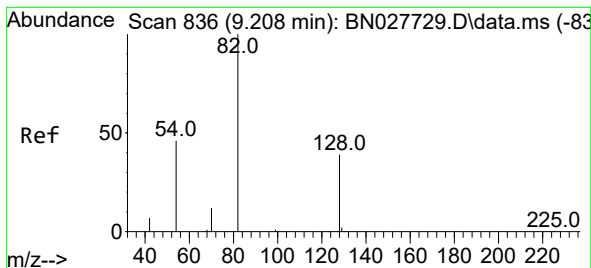
Tgt Ion: 99 Resp: 498
Ion Ratio Lower Upper
99 100
42 18.3 15.8 23.8
71 40.0 27.3 40.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion: 136 Resp: 7533
Ion Ratio Lower Upper
136 100
137 12.6 9.8 14.8
54 10.3 7.8 11.6
68 9.1 7.2 10.8





#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 9.208 min Scan# 81

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

GWOW-08B-18-091223

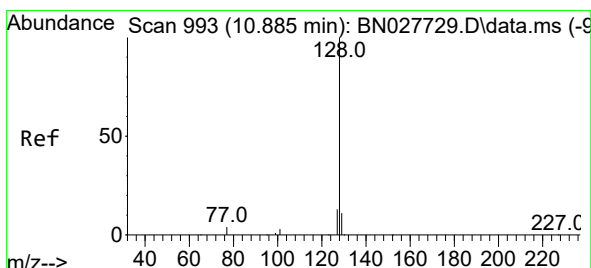
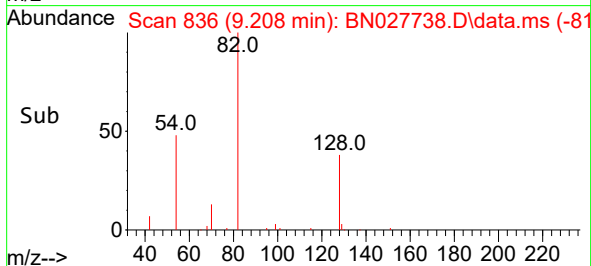
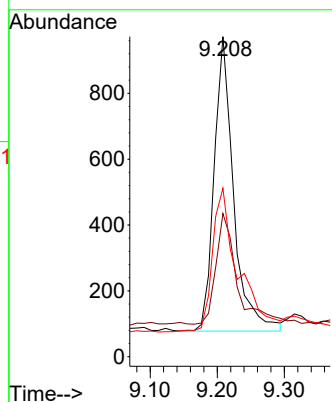
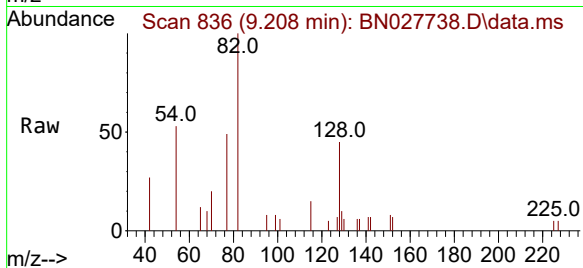
Tgt Ion: 82 Resp: 1797

Ion Ratio Lower Upper

82 100

128 44.8 35.1 52.7

54 52.7 35.1 52.7



#9

Naphthalene

Concen: 0.251 ng

RT: 10.885 min Scan# 993

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

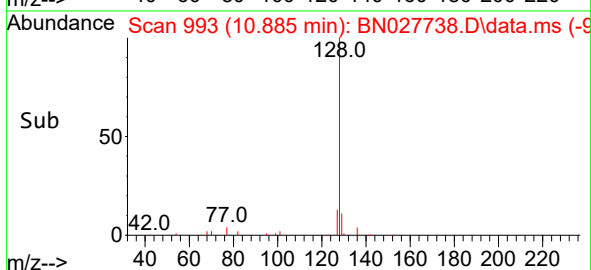
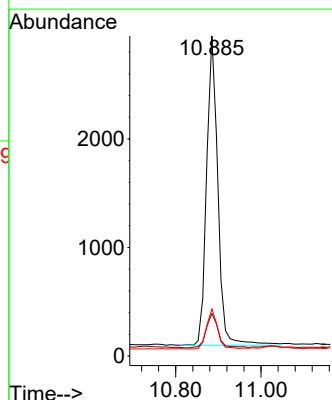
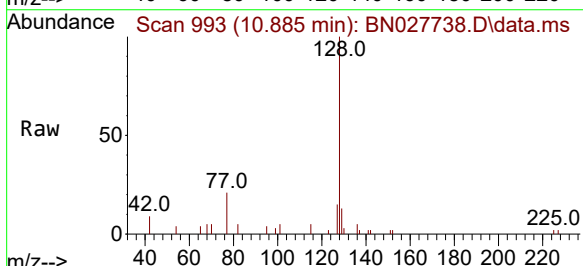
Tgt Ion: 128 Resp: 5211

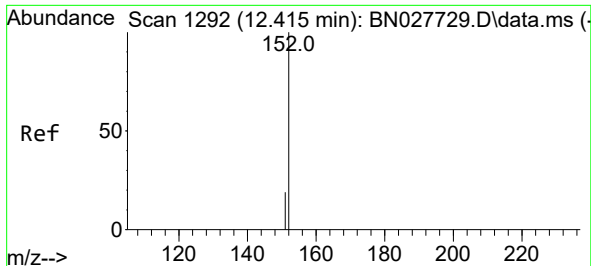
Ion Ratio Lower Upper

128 100

129 13.2 8.9 13.3

127 14.7 10.4 15.6





#11

2-Methylnaphthalene-d10

Concen: 0.284 ng

RT: 12.411 min Scan# 1292

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

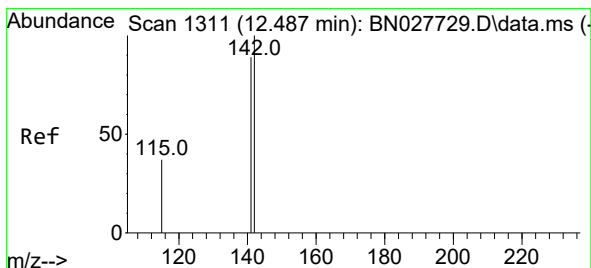
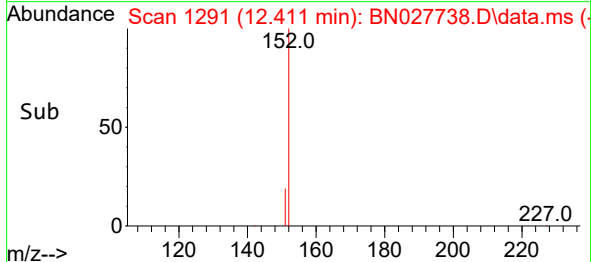
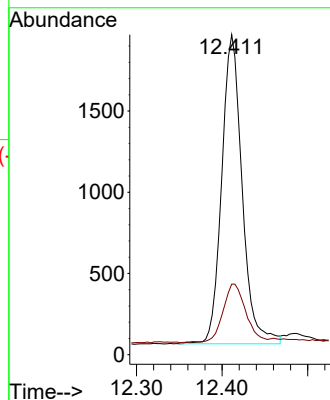
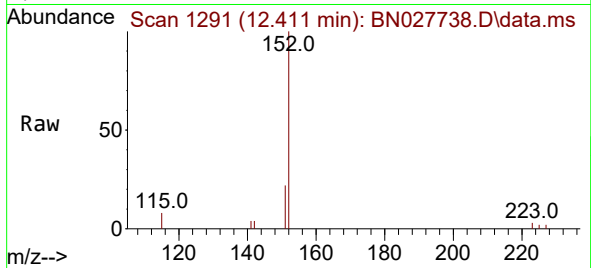
GWOW-08B-18-091223

Tgt Ion:152 Resp: 3157

Ion Ratio Lower Upper

152 100

151 20.4 16.5 24.7



#12

2-Methylnaphthalene

Concen: 1.405 ng

RT: 12.487 min Scan# 1311

Delta R.T. 0.004 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

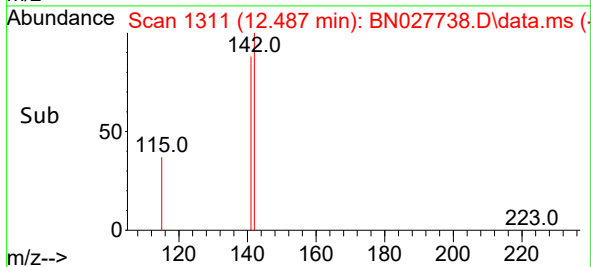
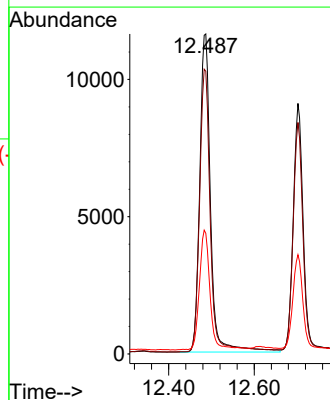
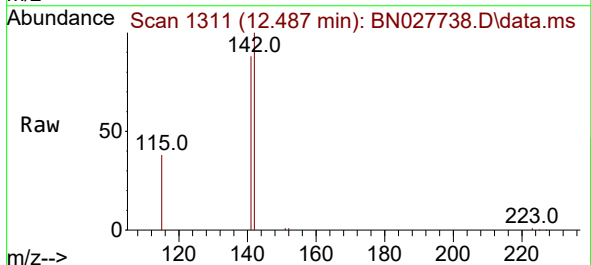
Tgt Ion:142 Resp: 20423

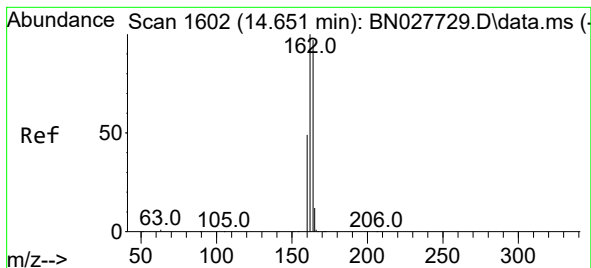
Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2

115 37.7 29.4 44.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.640 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

GWOW-08B-18-091223

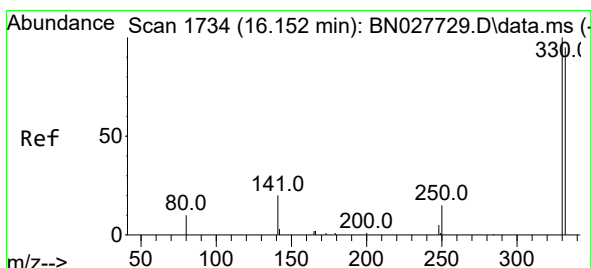
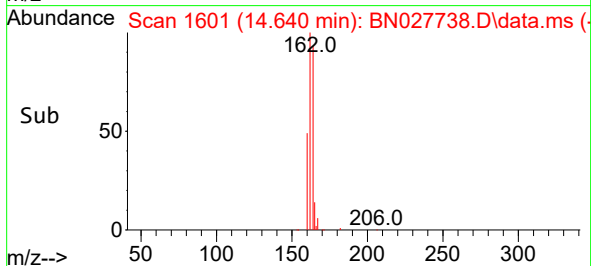
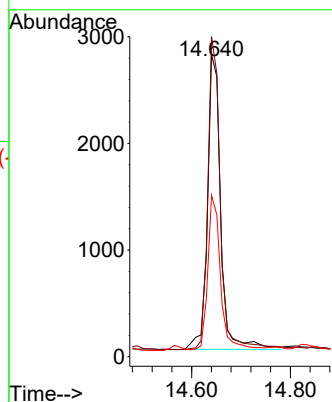
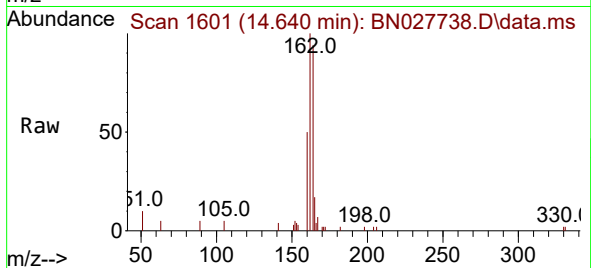
Tgt Ion:164 Resp: 5149

Ion Ratio Lower Upper

164 100

162 105.9 83.4 125.2

160 53.4 41.0 61.4



#14

2,4,6-Tribromophenol

Concen: 0.244 ng

RT: 16.139 min Scan# 1733

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

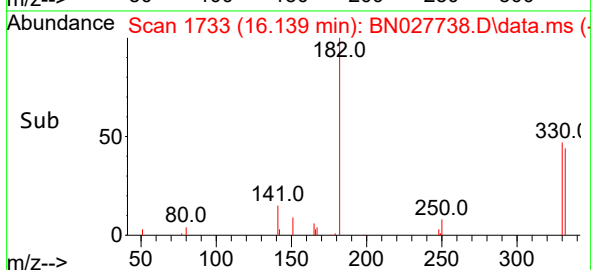
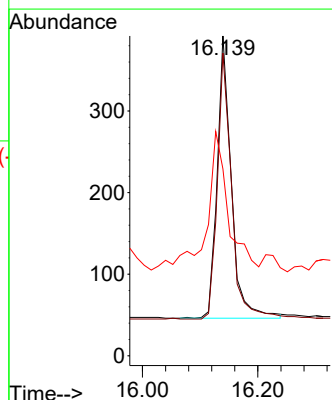
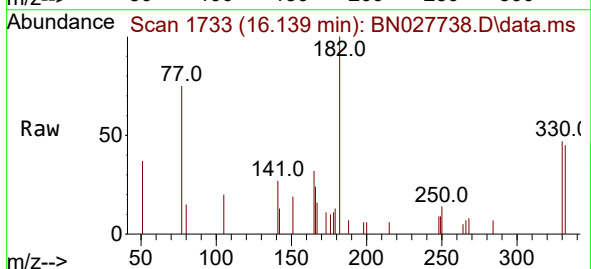
Tgt Ion:330 Resp: 588

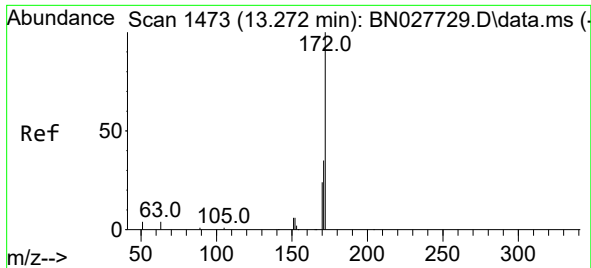
Ion Ratio Lower Upper

330 100

332 94.6 76.6 115.0

141 62.6 38.2 57.2#

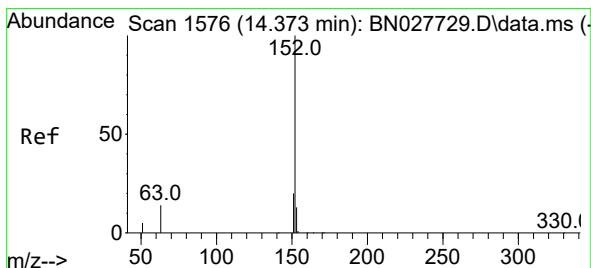
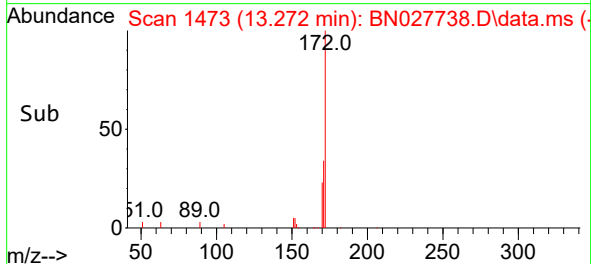
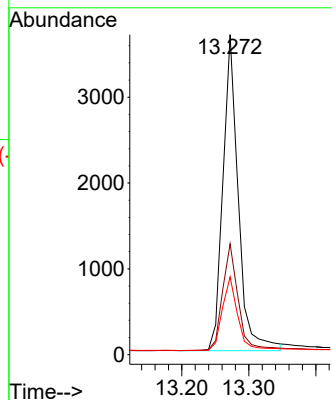
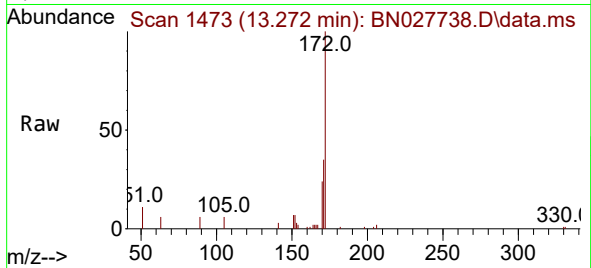




#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.272 min Scan# 1473
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

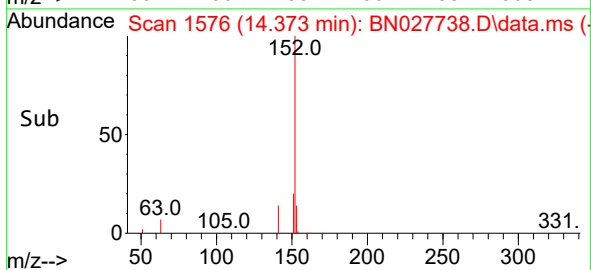
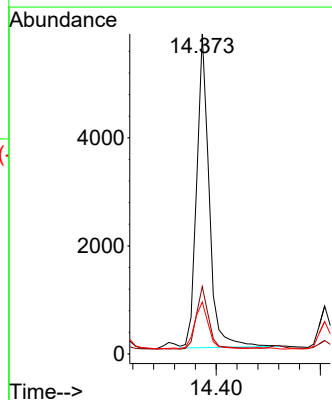
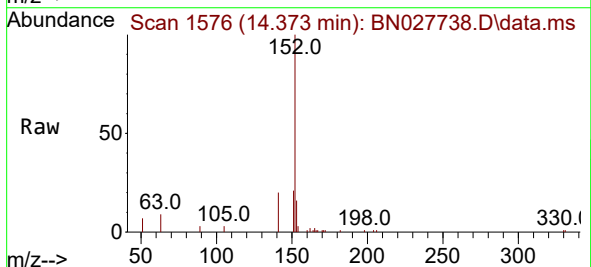
Instrument :
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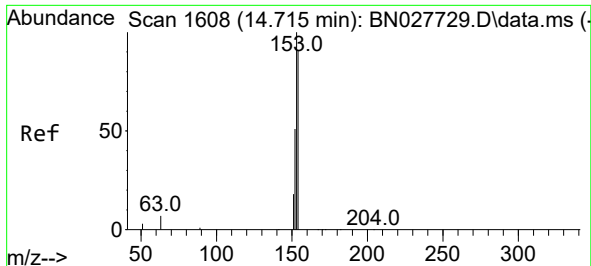
Tgt Ion:172 Resp: 5877
Ion Ratio Lower Upper
172 100
171 34.7 27.6 41.4
170 24.3 18.7 28.1



#16
Acenaphthylene
Concen: 0.442 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion:152 Resp: 9688
Ion Ratio Lower Upper
152 100
151 20.3 15.6 23.4
153 16.6 10.3 15.5#

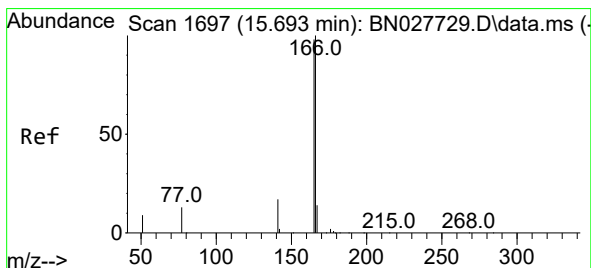
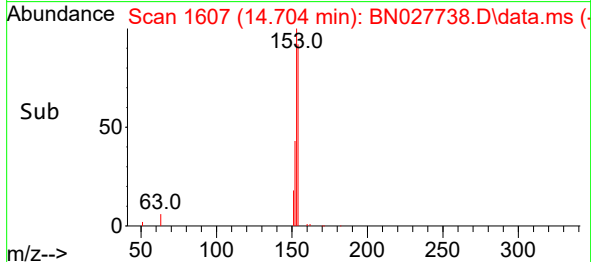
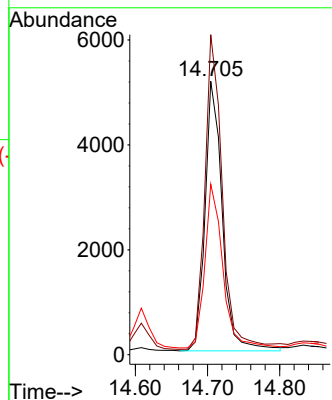
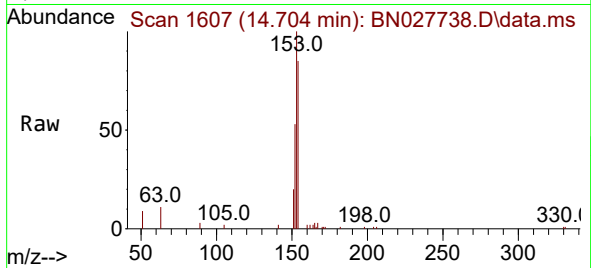




#17
Acenaphthene
Concen: 0.563 ng
RT: 14.704 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

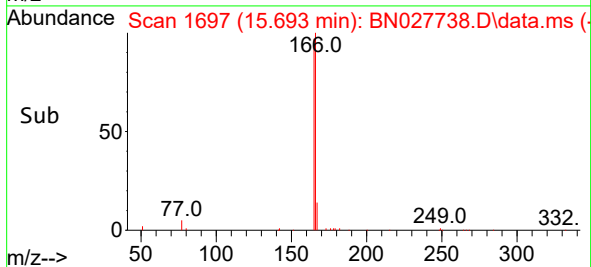
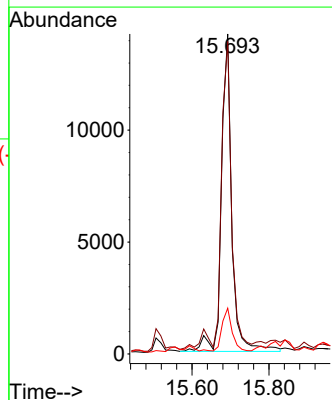
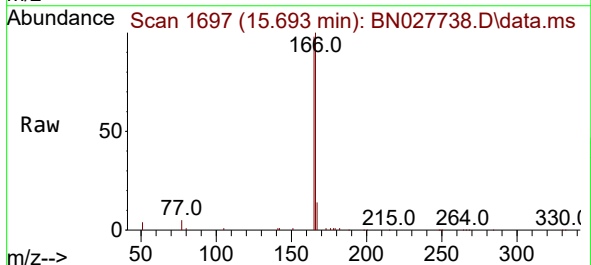
Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

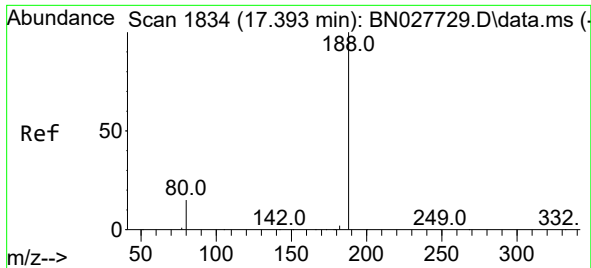
Tgt Ion:154 Resp: 8572
Ion Ratio Lower Upper
154 100
153 117.6 92.0 138.0
152 62.9 47.0 70.6



#18
Fluorene
Concen: 1.183 ng
RT: 15.693 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion:166 Resp: 26569
Ion Ratio Lower Upper
166 100
165 89.8 78.4 117.6
167 12.7 10.7 16.1

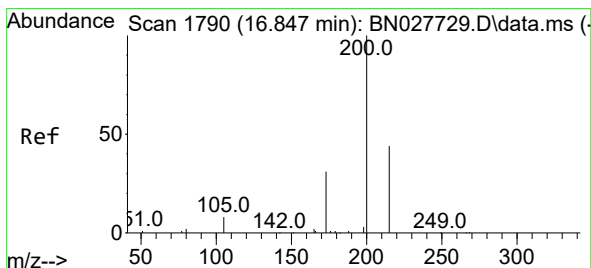
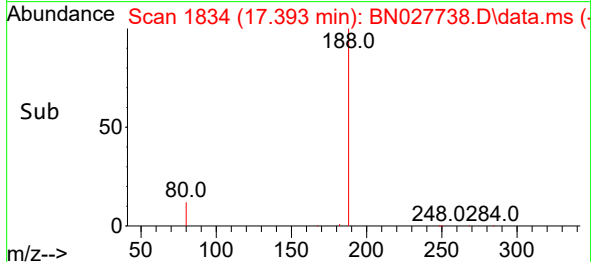
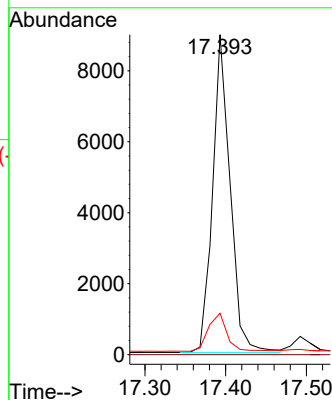
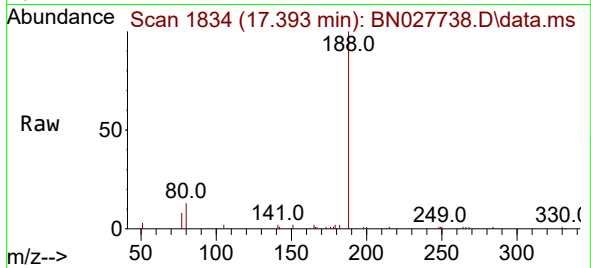




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

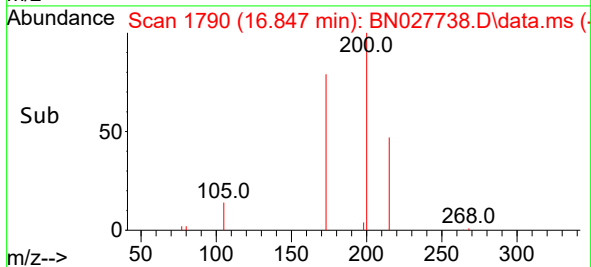
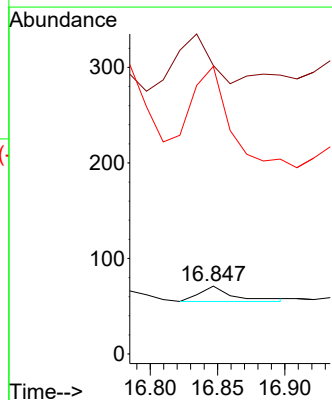
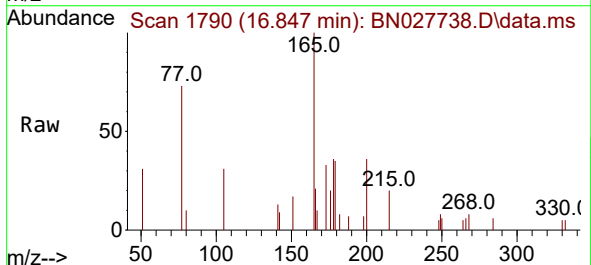
Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

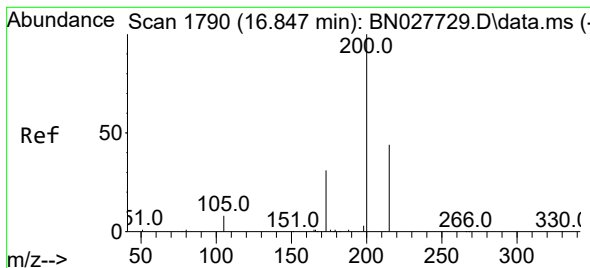
Tgt Ion:188 Resp: 13502
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 9.5 14.3



#20
4,6-Dinitro-2-methylphenol
Concen: 0.134 ng
RT: 16.847 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion:198 Resp: 28
Ion Ratio Lower Upper
198 100
51 425.4 30.0 45.0#
105 423.9 145.9 218.9#





#23

Atrazine

Concen: 0.075 ng

RT: 16.847 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

GWOW-08B-18-091223

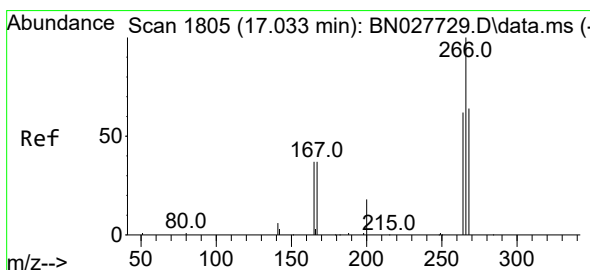
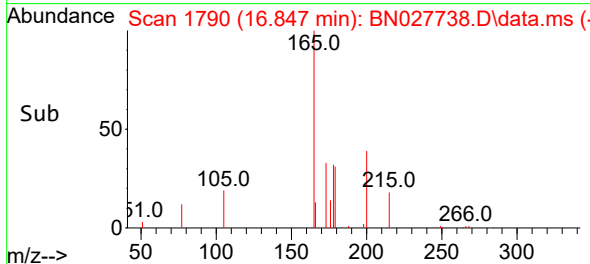
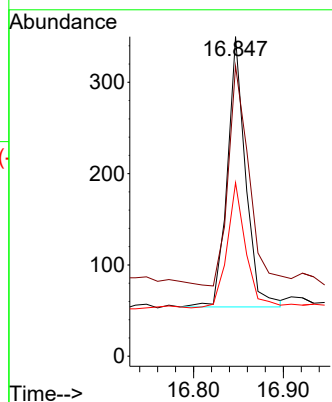
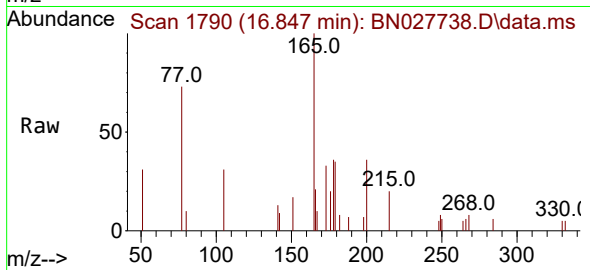
Tgt Ion:200 Resp: 419

Ion Ratio Lower Upper

200 100

173 90.9 20.5 30.7#

215 54.3 37.0 55.6



#24

Pentachlorophenol

Concen: 0.022 ng

RT: 17.033 min Scan# 1805

Delta R.T. 0.012 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

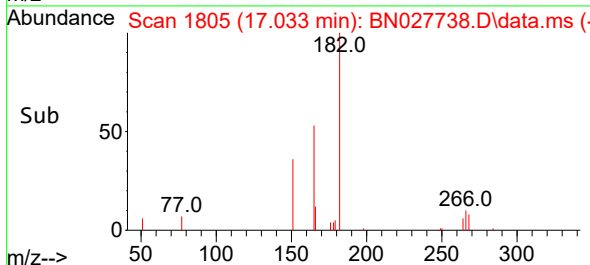
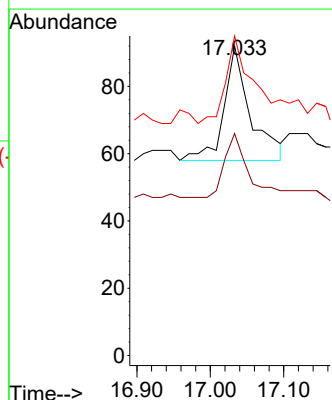
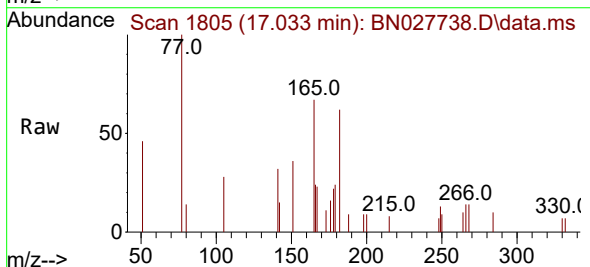
Tgt Ion:266 Resp: 85

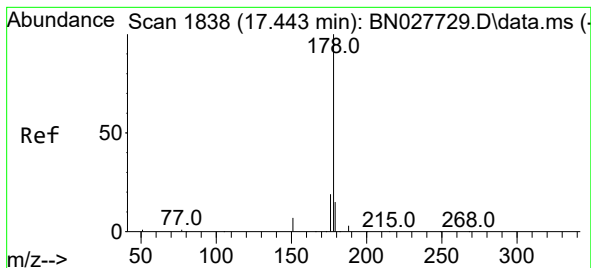
Ion Ratio Lower Upper

266 100

264 56.5 50.0 75.0

268 105.9 50.7 76.1#





#25

Phenanthrene

Concen: 4.148 ng

RT: 17.430 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

GWOW-08B-18-091223

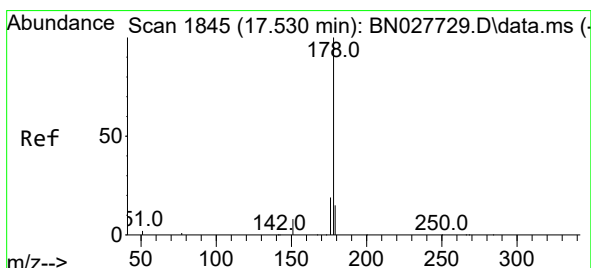
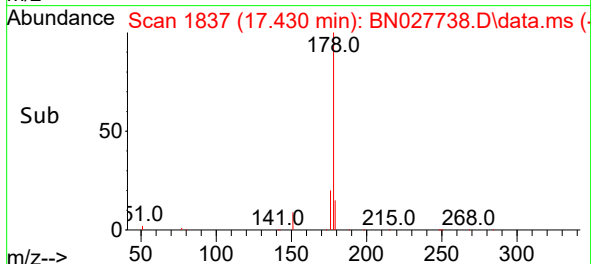
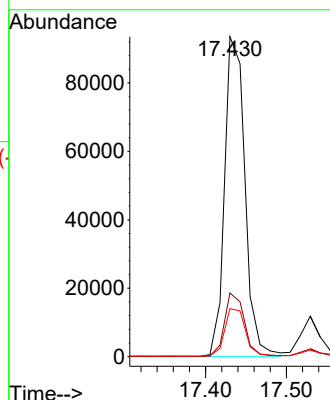
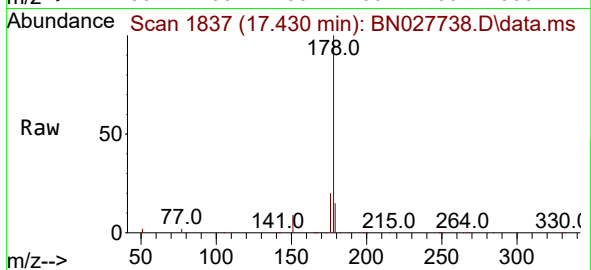
Tgt Ion:178 Resp: 162896

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.3 12.2 18.2



#26

Anthracene

Concen: 0.603 ng

RT: 17.530 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

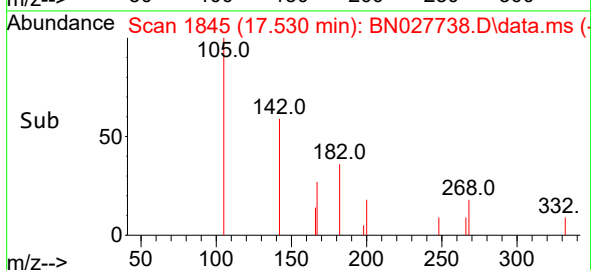
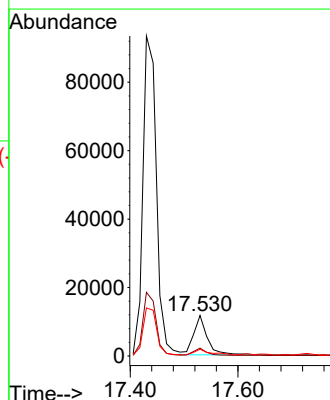
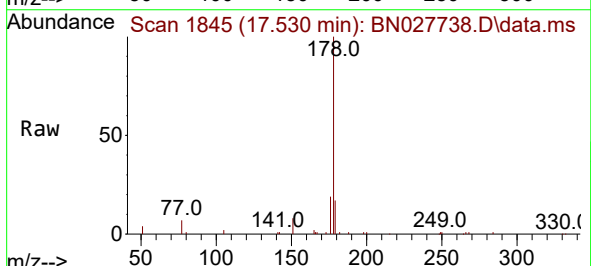
Tgt Ion:178 Resp: 20415

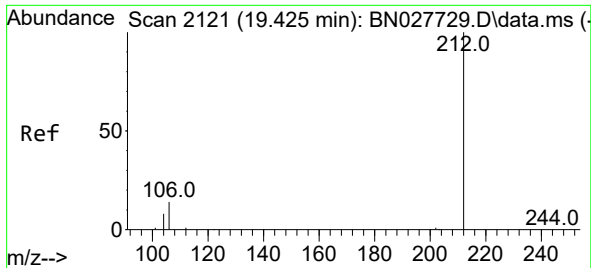
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 16.1 12.2 18.2

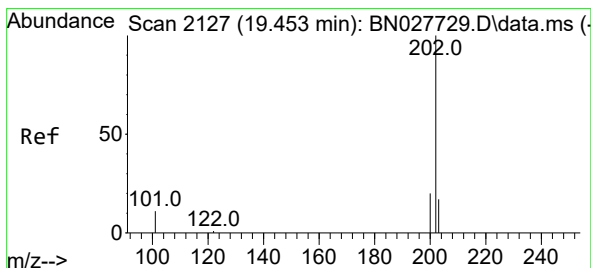
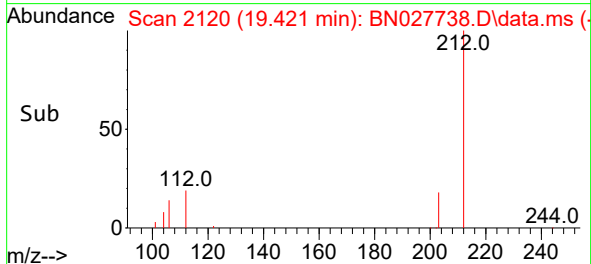
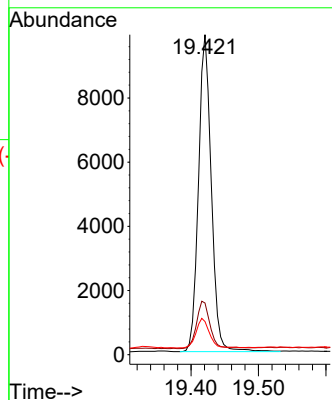
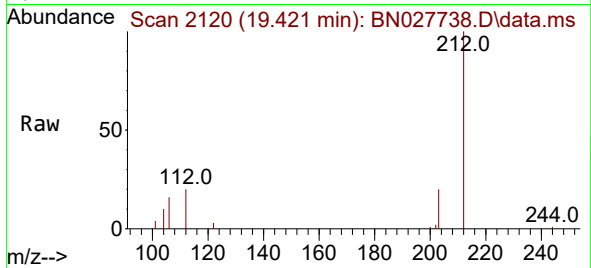




#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 19.421 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

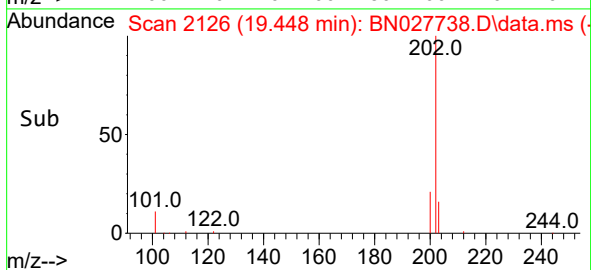
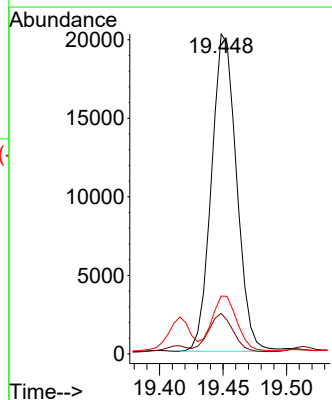
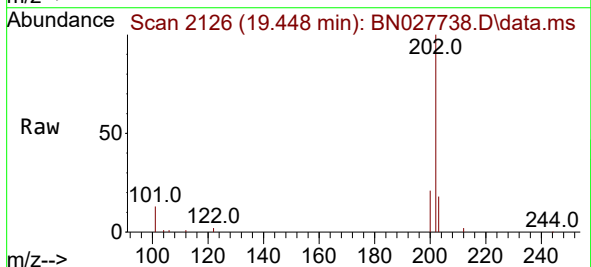
Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

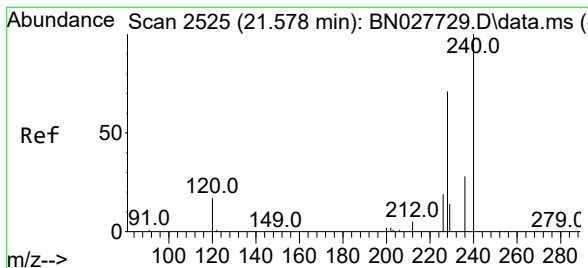
Tgt Ion:212 Resp: 13055
Ion Ratio Lower Upper
212 100
106 16.0 11.9 17.9
104 9.7 6.7 10.1



#28
Fluoranthene
Concen: 0.540 ng
RT: 19.448 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

Tgt Ion:202 Resp: 27780
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.0 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027738.D

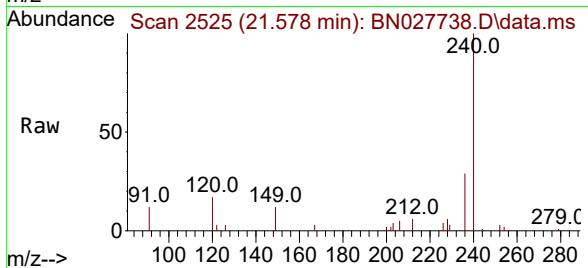
Acq: 18 Sep 2023 17:28

Instrument :

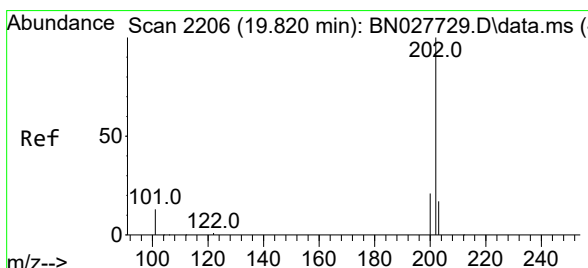
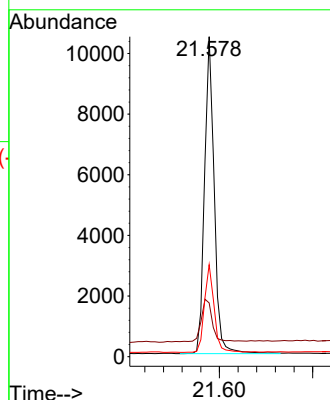
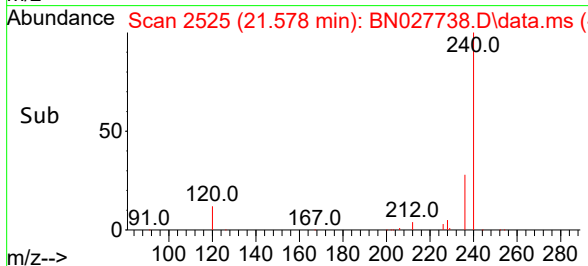
BNA_N

ClientSampleId :

GWOW-08B-18-091223



Tgt Ion:	240	Resp:	15142
Ion Ratio	Lower	Upper	
240	100		
120	16.8	10.7	16.1#
236	28.8	22.4	33.6



#30

Pyrene

Concen: 0.870 ng

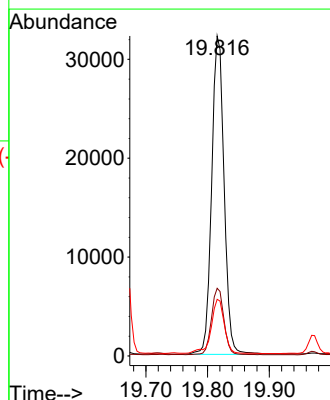
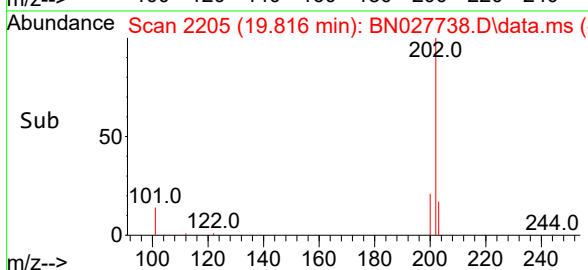
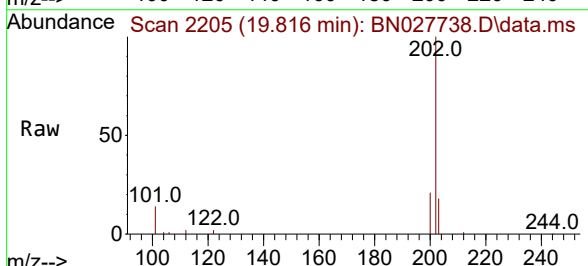
RT: 19.816 min Scan# 2205

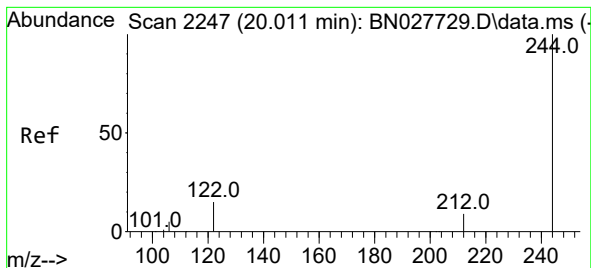
Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

Tgt Ion:	202	Resp:	44949
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.8	25.2
203	18.2	14.2	21.4





#31

Terphenyl-d14

Concen: 0.362 ng

RT: 20.006 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027738.D

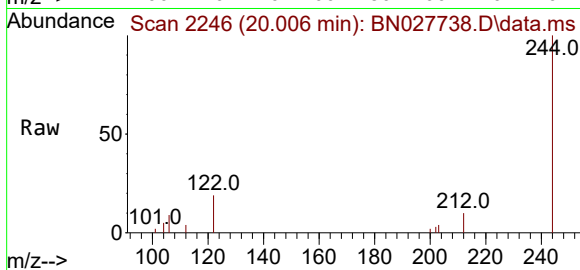
Acq: 18 Sep 2023 17:28

Instrument :

BNA_N

ClientSampleId :

GWOW-08B-18-091223



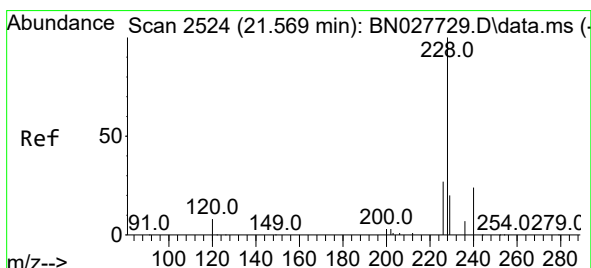
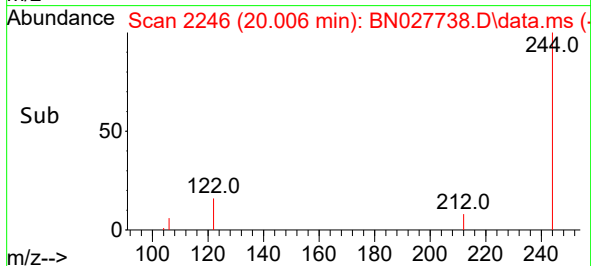
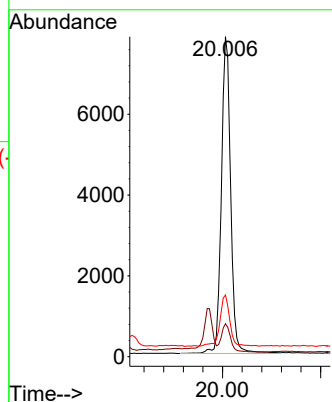
Tgt Ion:244 Resp: 10278

Ion Ratio Lower Upper

244 100

212 10.3 7.0 10.4

122 19.3 12.7 19.1#



#32

Benzo(a)anthracene

Concen: 0.057 ng

RT: 21.560 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BN027738.D

Acq: 18 Sep 2023 17:28

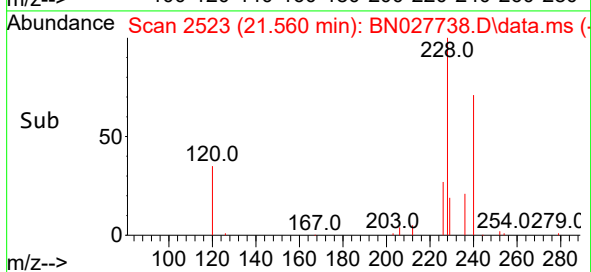
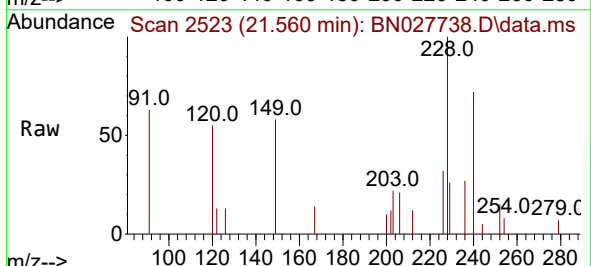
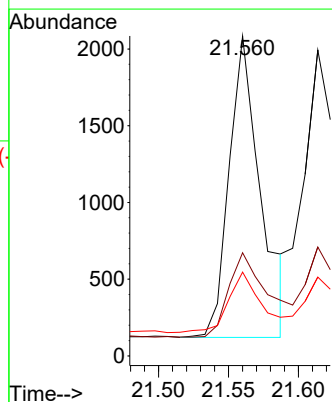
Tgt Ion:228 Resp: 3070

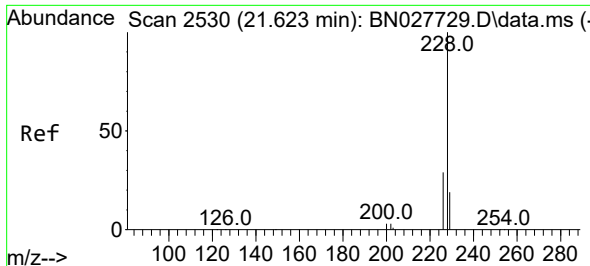
Ion Ratio Lower Upper

228 100

226 32.2 21.4 32.0#

229 26.2 15.8 23.8#

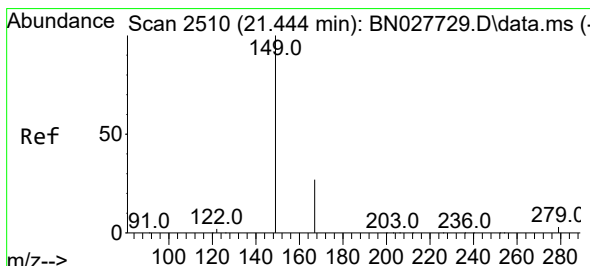
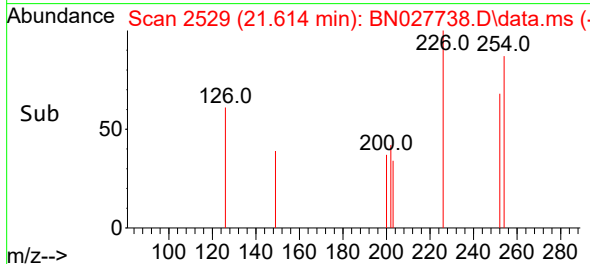
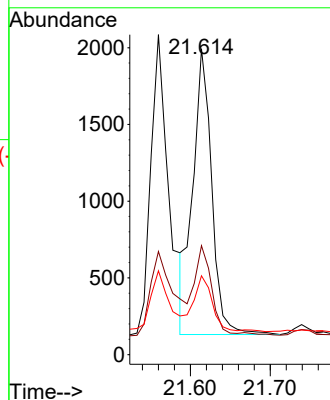
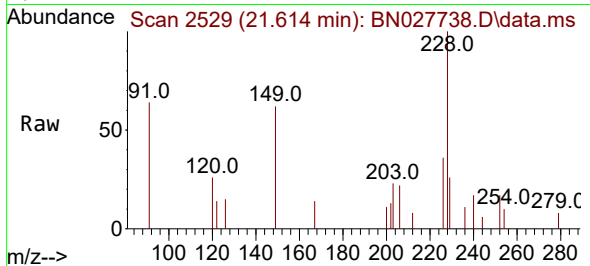




#33
Chrysene
Concen: 0.053 ng
RT: 21.614 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

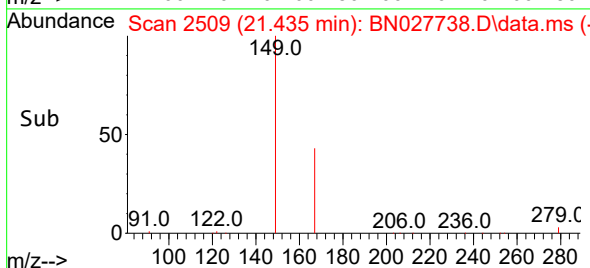
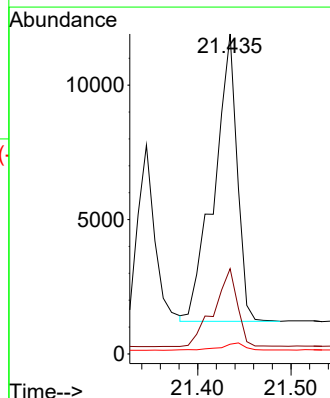
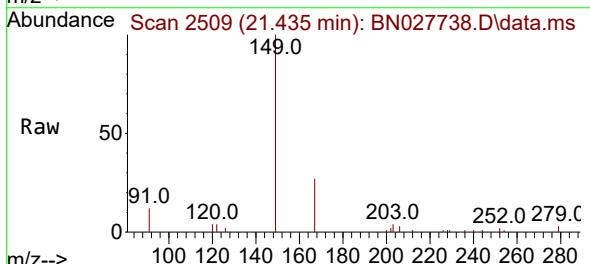
Instrument :
BNA_N
ClientSampleId :
GWOW-08B-18-091223

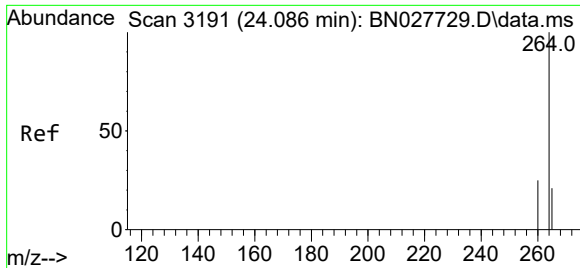
Tgt Ion:228 Resp: 3052
Ion Ratio Lower Upper
228 100
226 35.6 24.1 36.1
229 25.8 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.719 ng
RT: 21.435 min Scan# 2509
Delta R.T. -0.000 min
Lab File: BN027738.D
Acq: 18 Sep 2023 17:28

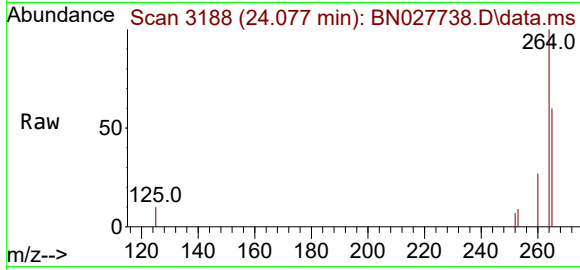
Tgt Ion:149 Resp: 18330
Ion Ratio Lower Upper
149 100
167 27.8 21.5 32.3
279 2.8 2.3 3.5





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.077 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BN027738.D
 Acq: 18 Sep 2023 17:28

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-08B-18-091223



Tgt Ion:264 Resp: 15869

Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.9	31.3
265	59.8	56.6	85.0

