

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027236.D
 Acq On : 29 Aug 2023 11:48
 Operator : MA/JU
 Sample : 04126-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819

Quant Time: Aug 30 00:03:40 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)

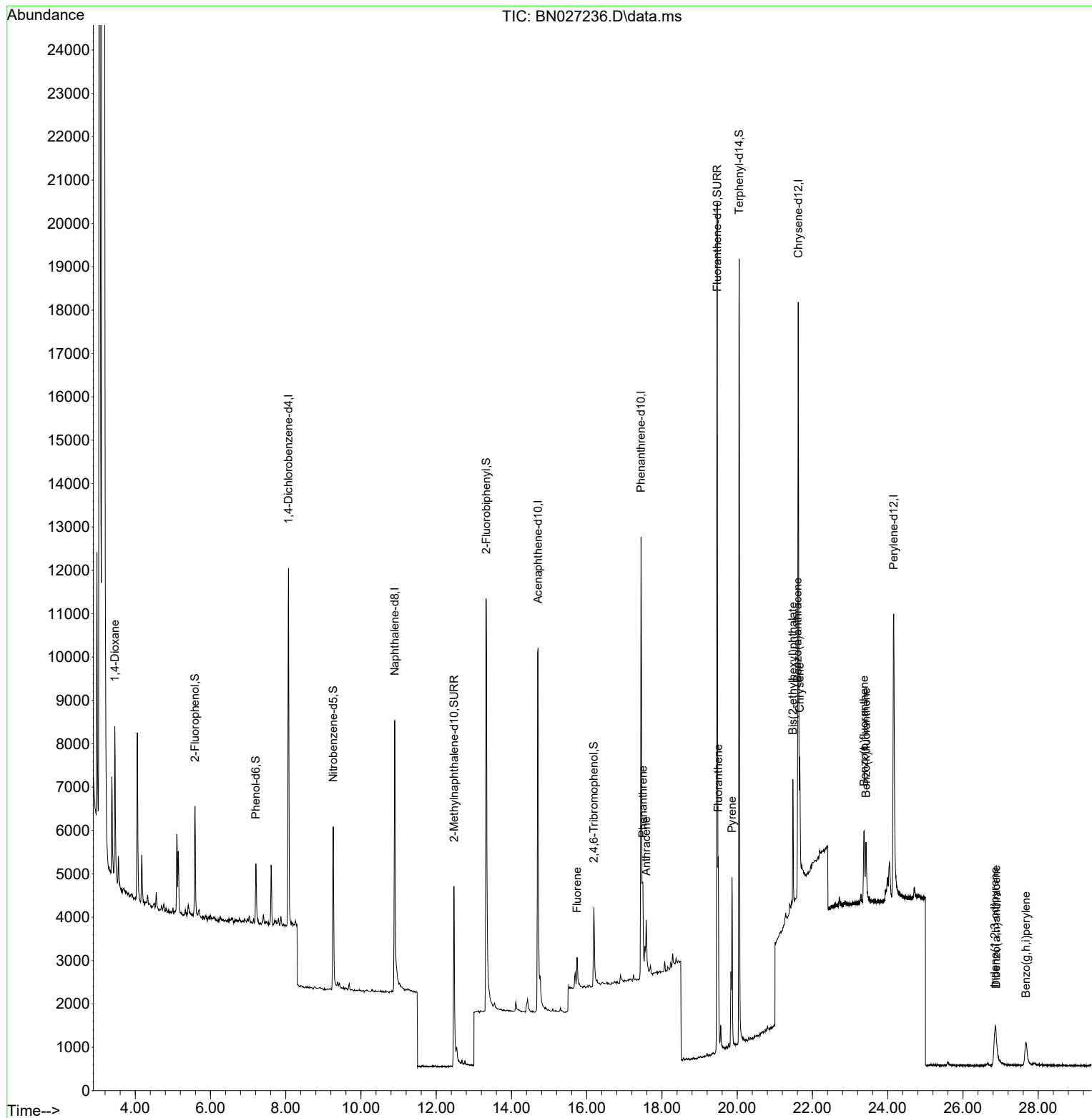
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	4126	0.400	ng	0.00
7) Naphthalene-d8	10.896	136	10117	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	6787	0.400	ng	0.01
19) Phenanthrene-d10	17.443	188	15777	0.400	ng	0.00
29) Chrysene-d12	21.623	240	13668	0.400	ng	0.00
35) Perylene-d12	24.157	264	12018	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2246	0.209	ng	0.00
5) Phenol-d6	7.207	99	1509	0.115	ng	0.00
8) Nitrobenzene-d5	9.262	82	3509	0.476	ng	0.00
11) 2-Methylnaphthalene-d10	12.472	152	7325	0.493	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1284	0.511	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	11280	0.437	ng	0.00
27) Fluoranthene-d10	19.467	212	23722	0.605	ng	0.00
31) Terphenyl-d14	20.053	244	18195	0.663	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.458	88	2687	0.533	ng	# 92
18) Fluorene	15.742	166	716	0.026	ng	97
25) Phenanthrene	17.492	178	2379	0.051	ng	97
26) Anthracene	17.579	178	1548	0.039	ng	99
28) Fluoranthene	19.495	202	3574	0.065	ng	# 96
30) Pyrene	19.862	202	3561	0.066	ng	99
32) Benzo(a)anthracene	21.605	228	2539	0.054	ng	92
33) Chrysene	21.659	228	2552	0.050	ng	95
34) Bis(2-ethylhexyl)phtha...	21.480	149	2654	0.117	ng	98
36) Indeno(1,2,3-cd)pyrene	26.843	276	1913	0.039	ng	# 63
37) Benzo(b)fluoranthene	23.370	252	2642	0.057	ng	# 40
38) Benzo(k)fluoranthene	23.423	252	2078	0.043	ng	# 28
40) Dibenzo(a,h)anthracene	26.881	278	1353	0.035	ng	# 32
41) Benzo(g,h,i)perylene	27.674	276	1666	0.038	ng	# 65

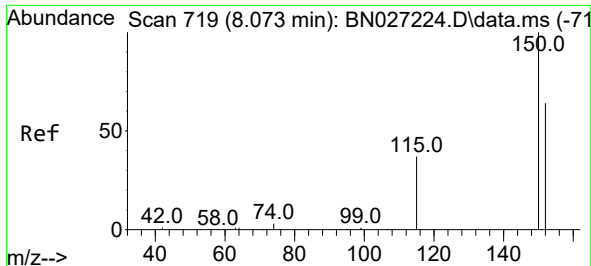
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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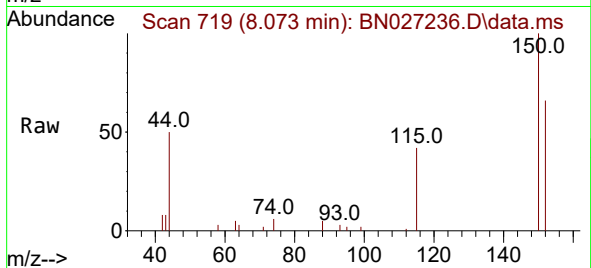
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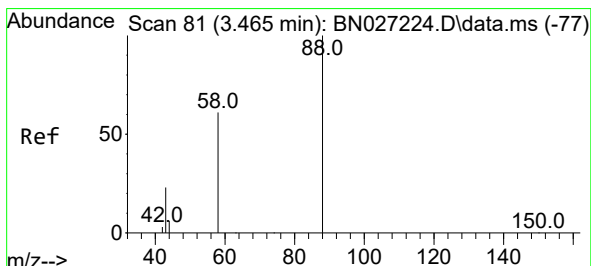
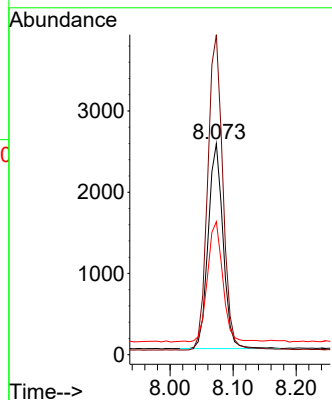
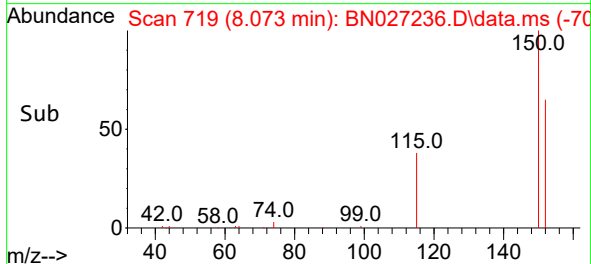


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.073 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

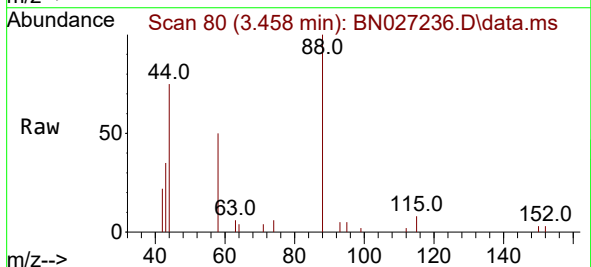
Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819



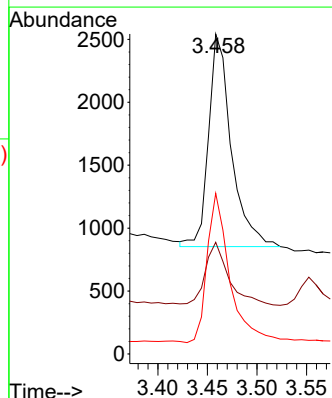
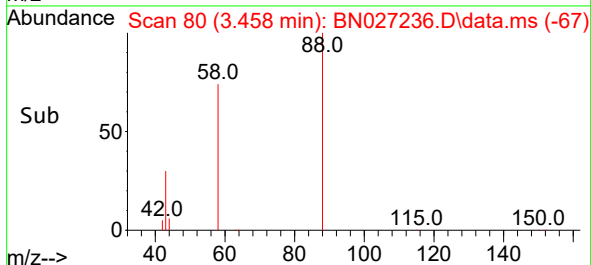
Tgt Ion:152 Resp: 4126
 Ion Ratio Lower Upper
 152 100
 150 151.7 122.7 184.1
 115 63.0 48.6 73.0

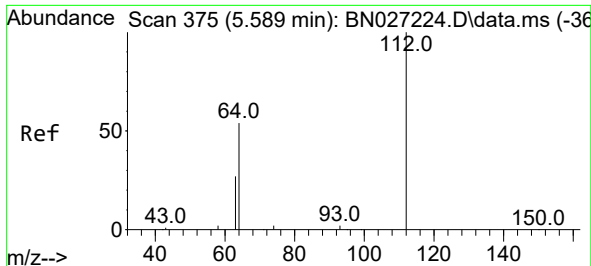


#2
 1,4-Dioxane
 Concen: 0.533 ng
 RT: 3.458 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48



Tgt Ion: 88 Resp: 2687
 Ion Ratio Lower Upper
 88 100
 43 30.8 19.1 28.7#
 58 69.9 52.2 78.2

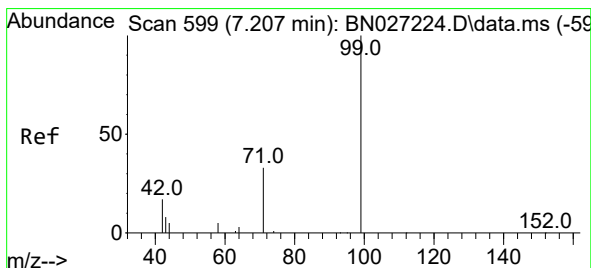
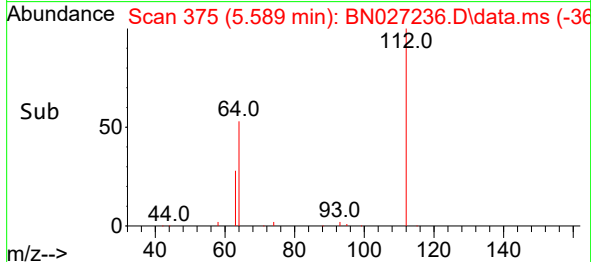
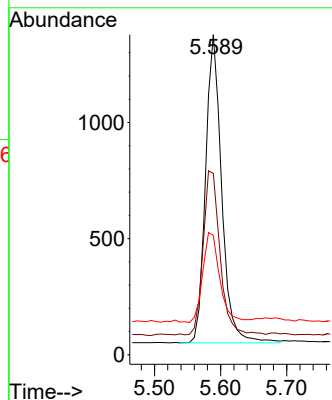
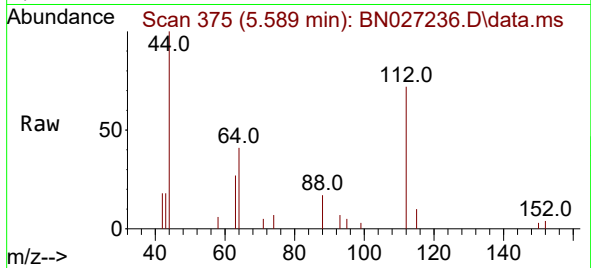




#4
2-Fluorophenol
Concen: 0.209 ng
RT: 5.589 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

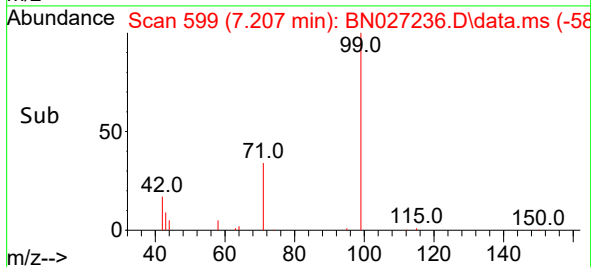
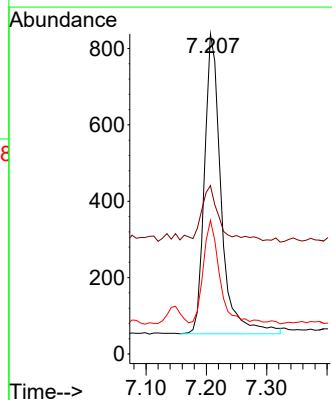
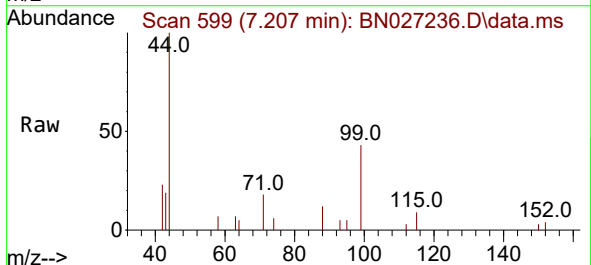
Instrument :
BNA_N
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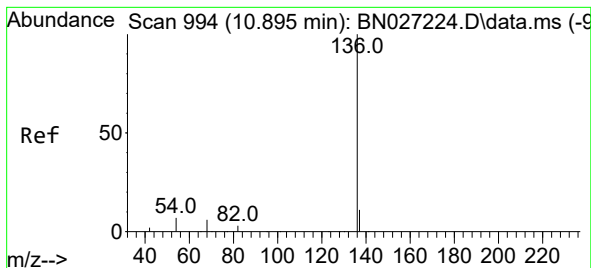
Tgt Ion:112 Resp: 2246
Ion Ratio Lower Upper
112 100
64 55.6 44.4 66.6
63 30.3 23.1 34.7



#5
Phenol-d6
Concen: 0.115 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion: 99 Resp: 1509
Ion Ratio Lower Upper
99 100
42 20.0 14.5 21.7
71 32.9 25.8 38.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.896 min Scan# 994

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

Instrument :

BNA_N

ClientSampleId :

RE123D3-20230819

Tgt Ion:136 Resp: 10117

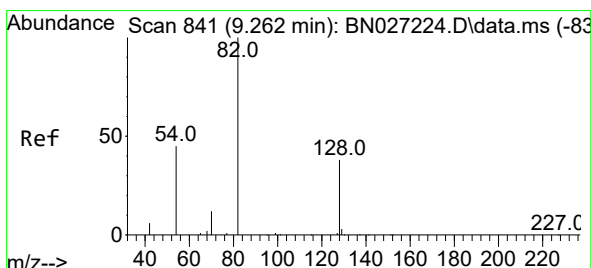
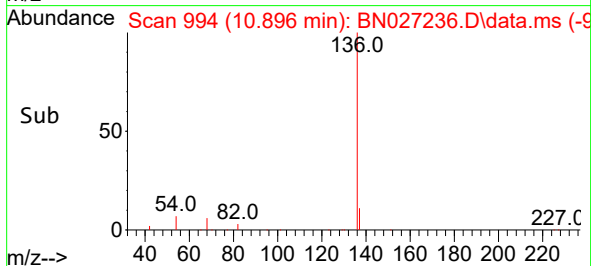
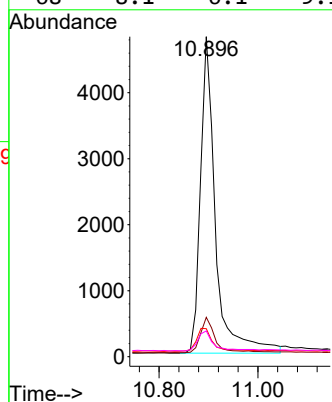
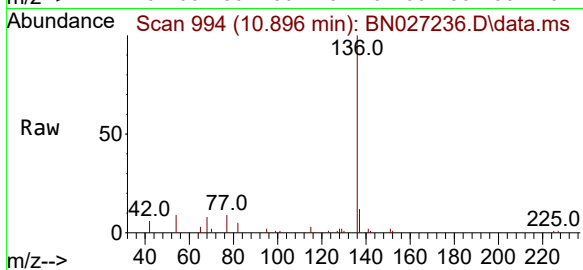
Ion Ratio Lower Upper

136 100

137 12.3 9.3 13.9

54 8.8 6.7 10.1

68 8.1 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.476 ng

RT: 9.262 min Scan# 841

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

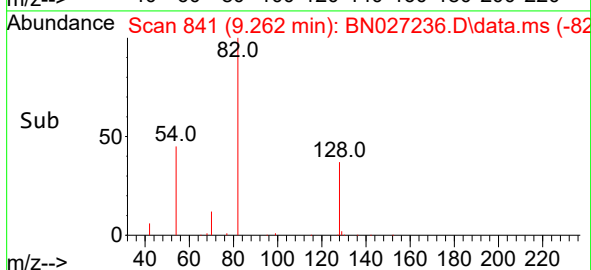
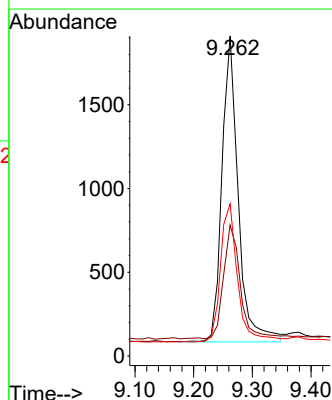
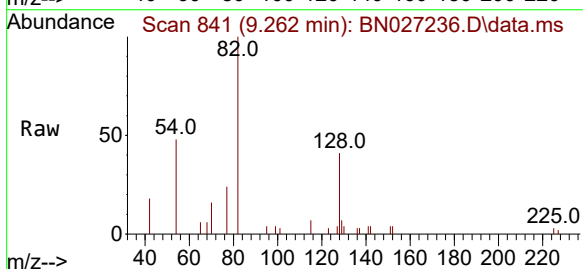
Tgt Ion: 82 Resp: 3509

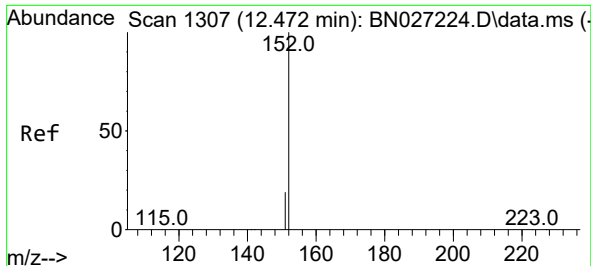
Ion Ratio Lower Upper

82 100

128 40.9 33.4 50.0

54 47.6 37.7 56.5

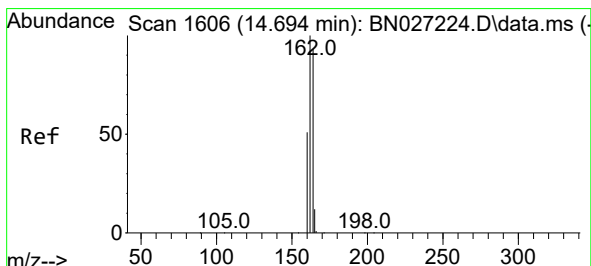
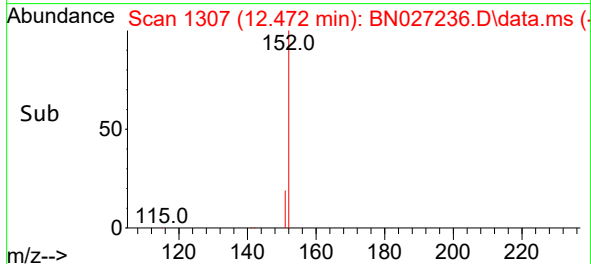
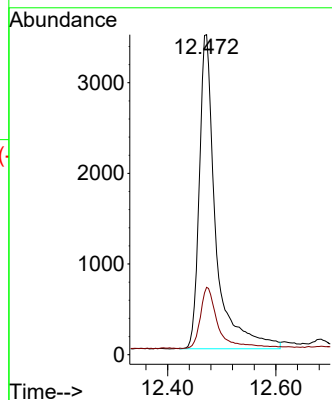
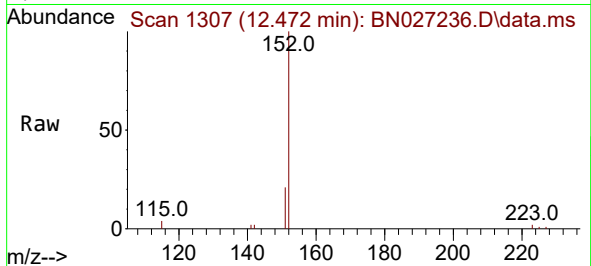




#11
2-Methylnaphthalene-d10
Concen: 0.493 ng
RT: 12.472 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

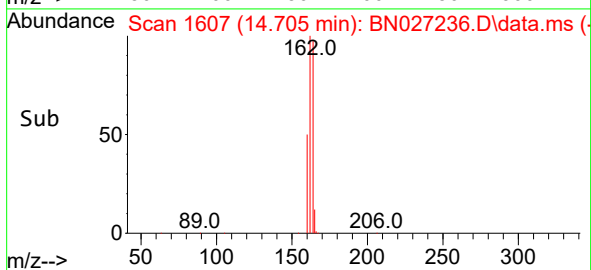
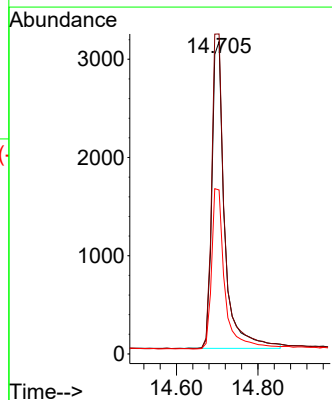
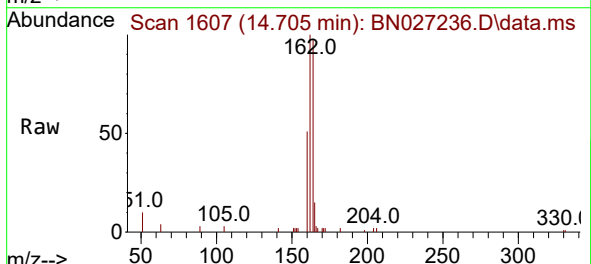
Instrument :
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RE123D3-20230819

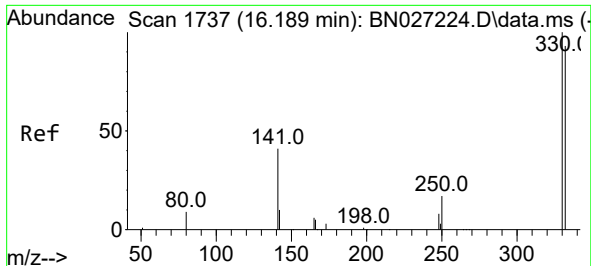
Tgt Ion:152 Resp: 7325
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.011 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

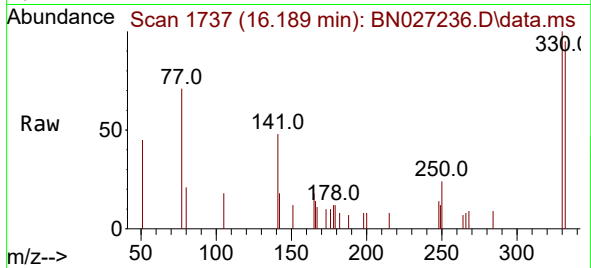
Tgt Ion:164 Resp: 6787
Ion Ratio Lower Upper
164 100
162 102.5 85.8 128.8
160 52.5 44.2 66.2



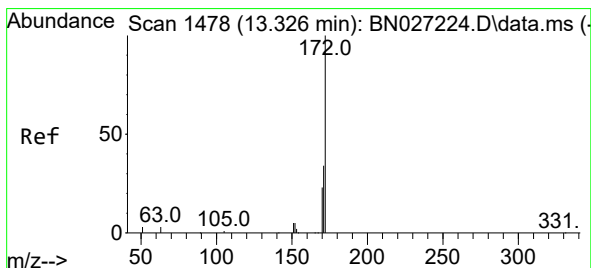
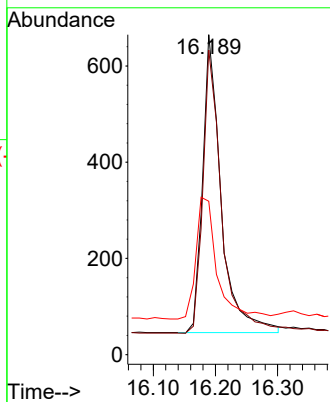
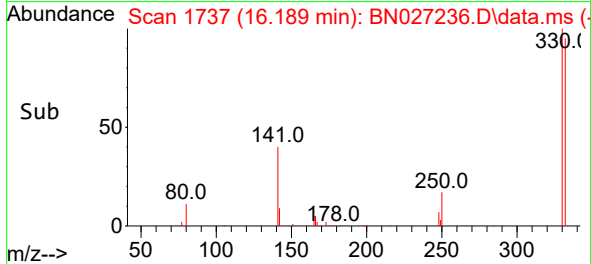


#14
2,4,6-Tribromophenol
Concen: 0.511 ng
RT: 16.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

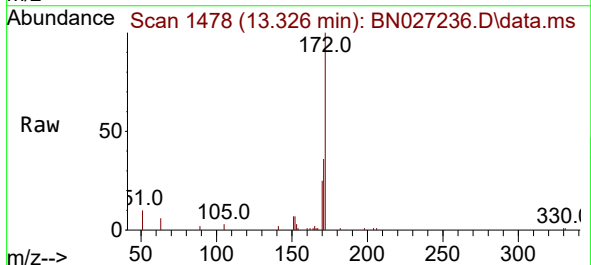
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819



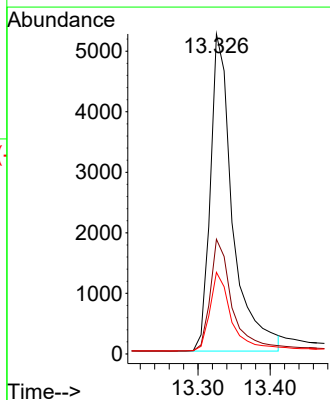
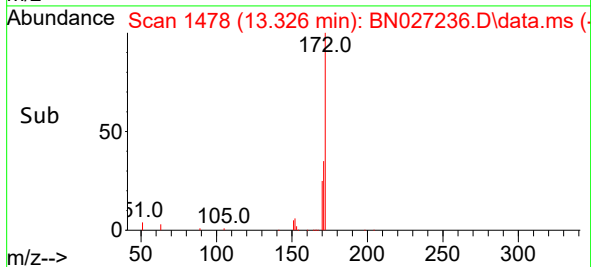
Tgt Ion:330 Resp: 1284
Ion Ratio Lower Upper
330 100
332 96.0 75.2 112.8
141 46.9 36.2 54.4

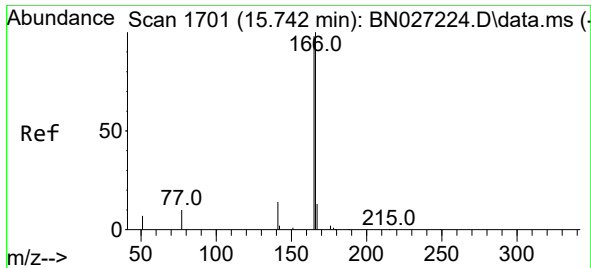


#15
2-Fluorobiphenyl
Concen: 0.437 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48



Tgt Ion:172 Resp: 11280
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.8
170 25.5 19.3 28.9

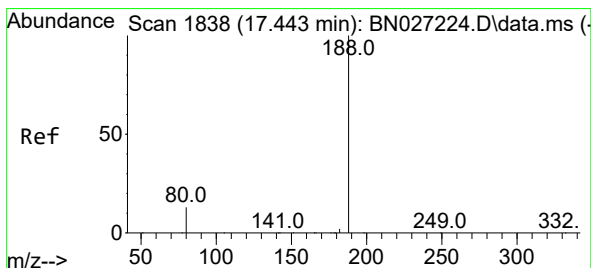
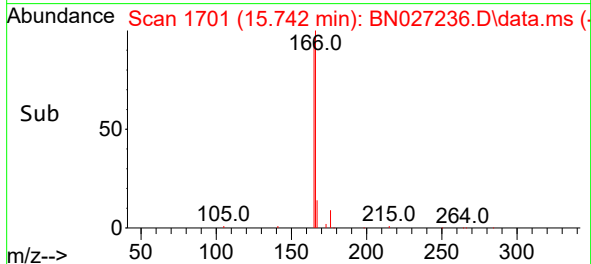
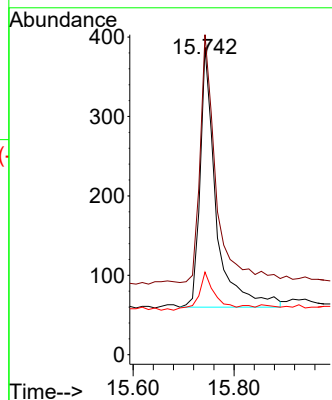
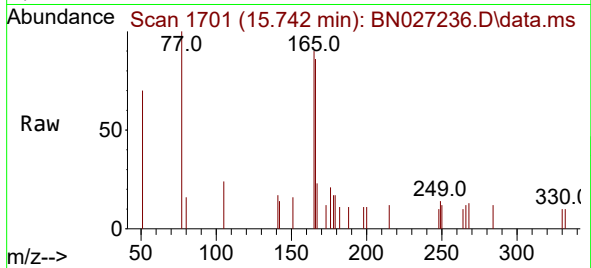




#18
 Fluorene
 Concen: 0.026 ng
 RT: 15.742 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

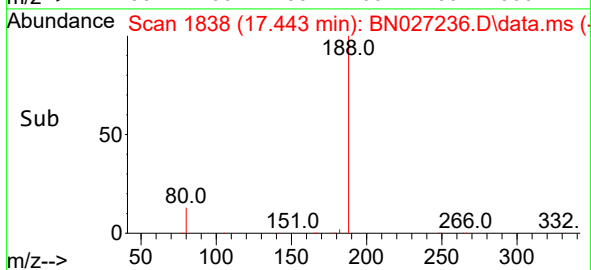
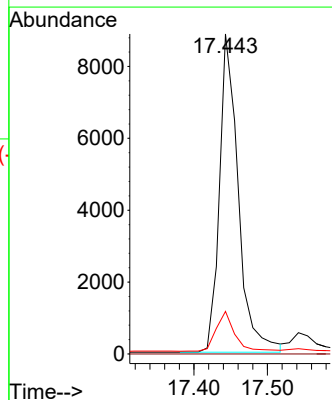
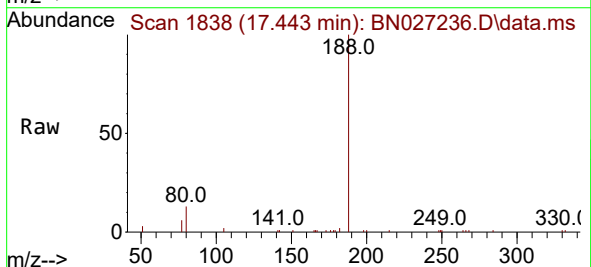
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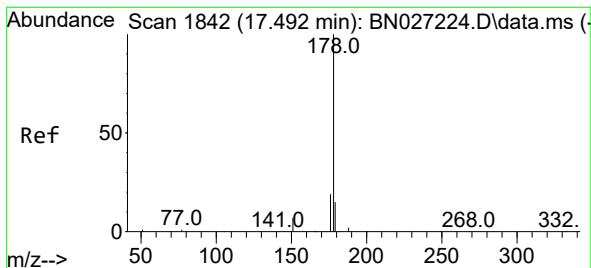
Tgt Ion:	166	Resp:	716
Ion Ratio	Lower	Upper	
166	100		
165	95.9	79.0	118.4
167	14.8	10.8	16.2



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.443 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

Tgt Ion:	188	Resp:	15777
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.3	11.0	16.6





#25

Phenanthrene

Concen: 0.051 ng

RT: 17.492 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

Instrument :

BNA_N

ClientSampleId :

RE123D3-20230819

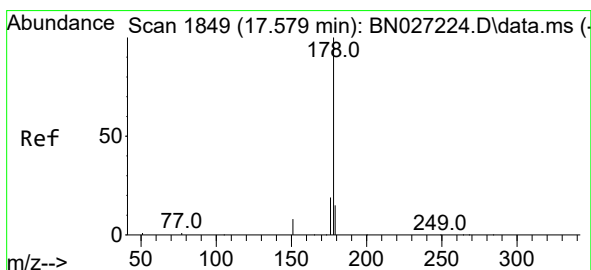
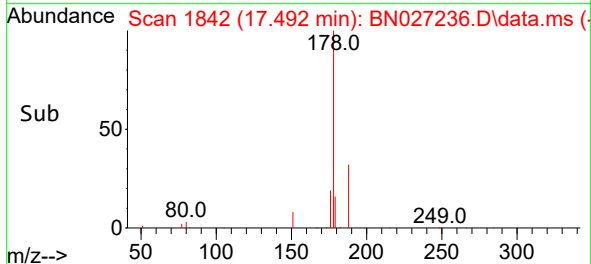
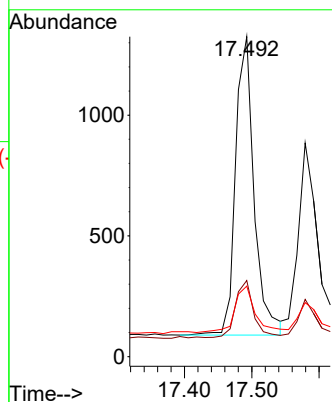
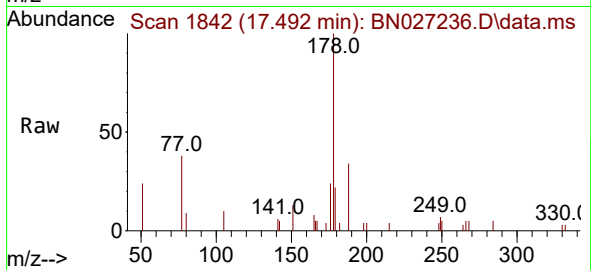
Tgt Ion:178 Resp: 2379

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

179 16.9 12.3 18.5



#26

Anthracene

Concen: 0.039 ng

RT: 17.579 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

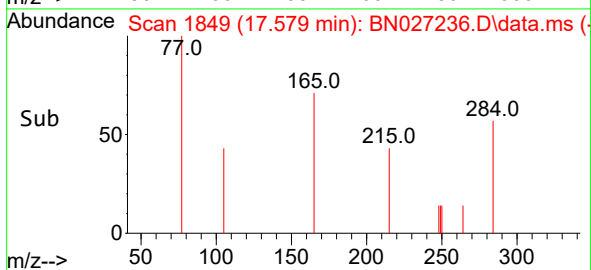
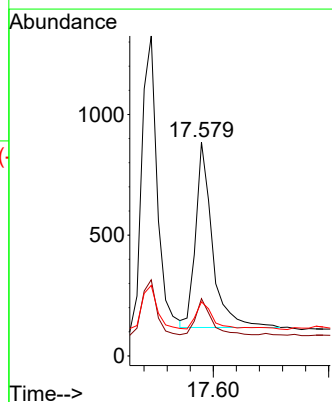
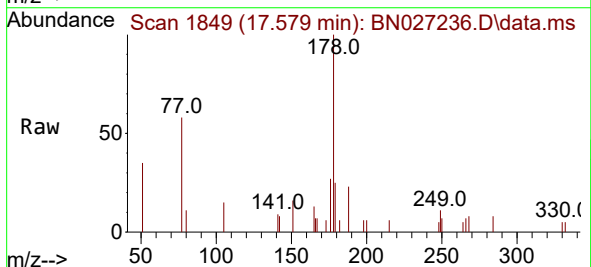
Tgt Ion:178 Resp: 1548

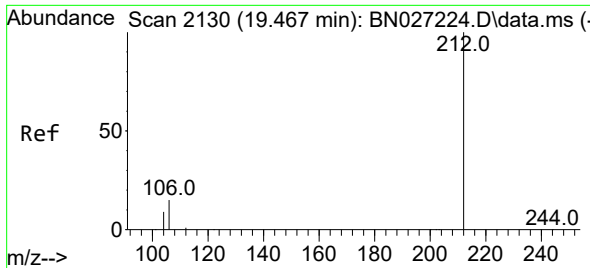
Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

179 14.5 12.0 18.0

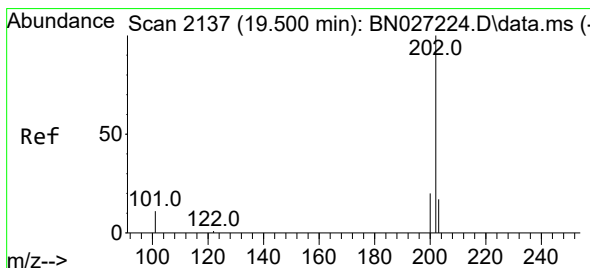
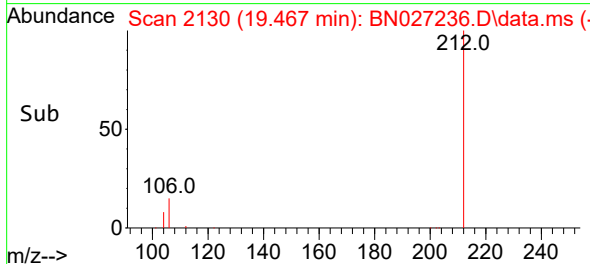
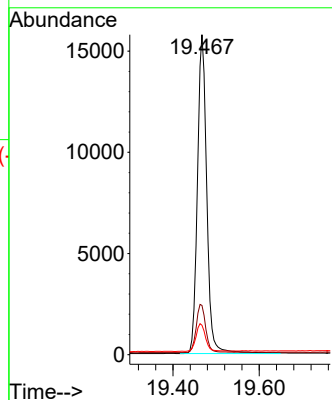
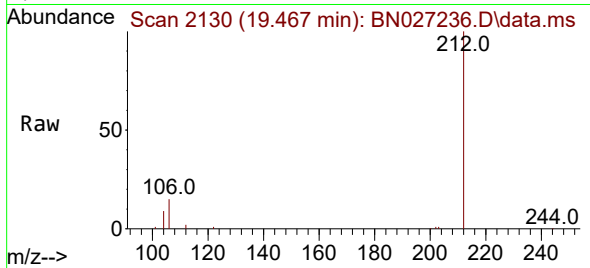




#27
Fluoranthene-d10
Concen: 0.605 ng
RT: 19.467 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

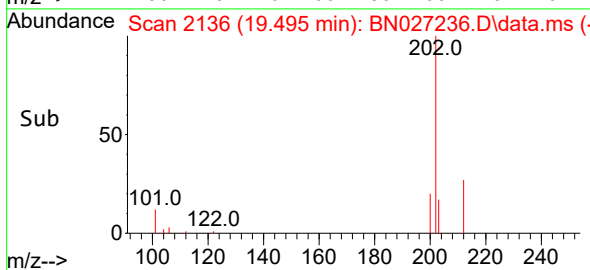
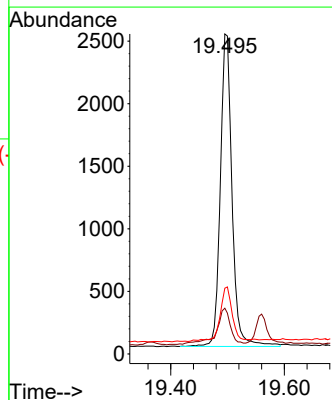
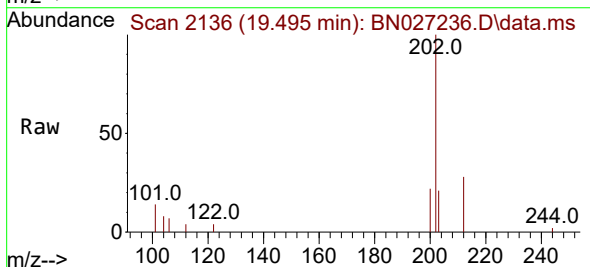
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

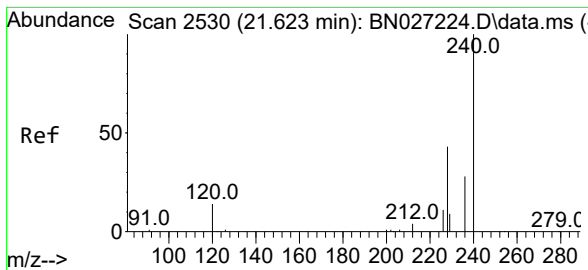
Tgt Ion:212 Resp: 23722
Ion Ratio Lower Upper
212 100
106 15.4 12.1 18.1
104 8.8 6.9 10.3



#28
Fluoranthene
Concen: 0.065 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:202 Resp: 3574
Ion Ratio Lower Upper
202 100
101 14.5 9.6 14.4#
203 18.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.623 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

Instrument :

BNA_N

ClientSampleId :

RE123D3-20230819

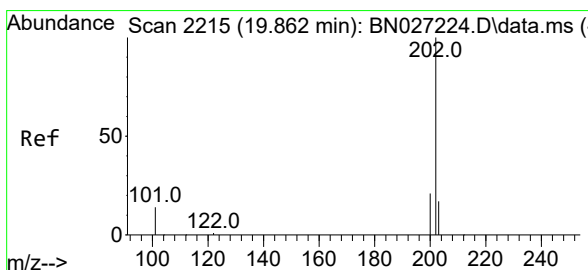
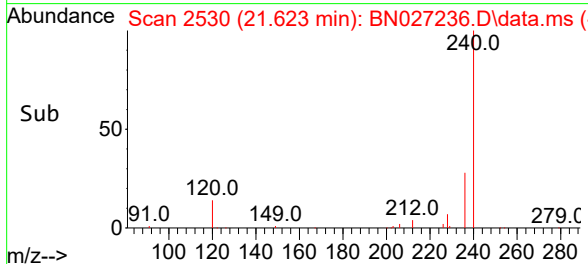
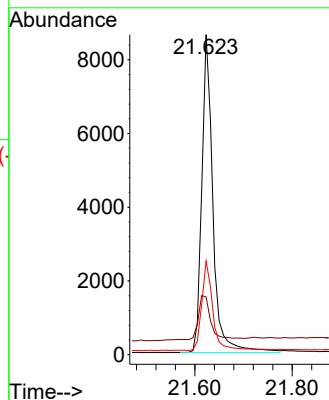
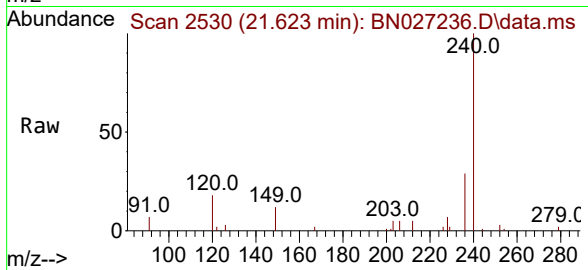
Tgt Ion:240 Resp: 13668

Ion Ratio Lower Upper

240 100

120 18.0 14.2 21.4

236 29.3 22.9 34.3



#30

Pyrene

Concen: 0.066 ng

RT: 19.862 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BN027236.D

Acq: 29 Aug 2023 11:48

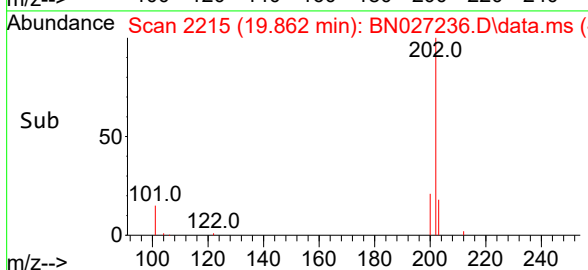
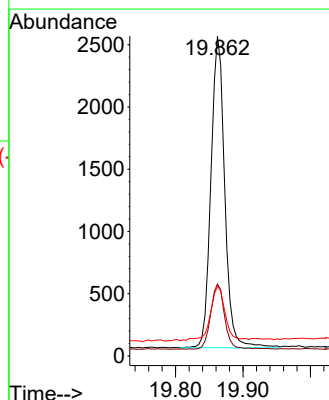
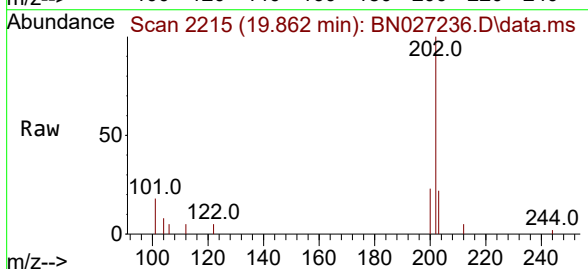
Tgt Ion:202 Resp: 3561

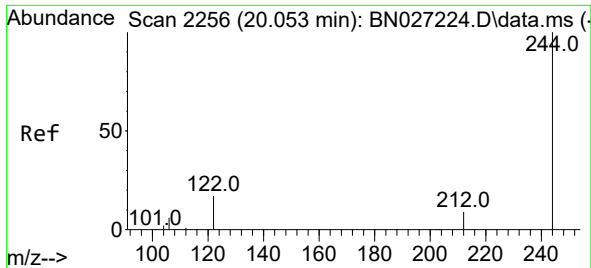
Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

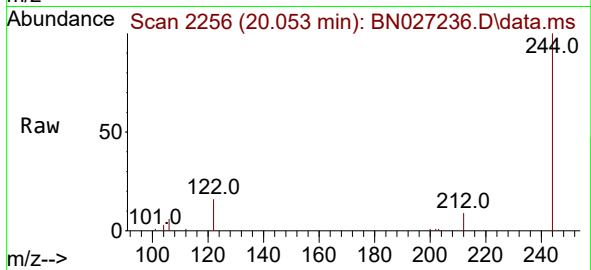
203 18.8 14.2 21.4



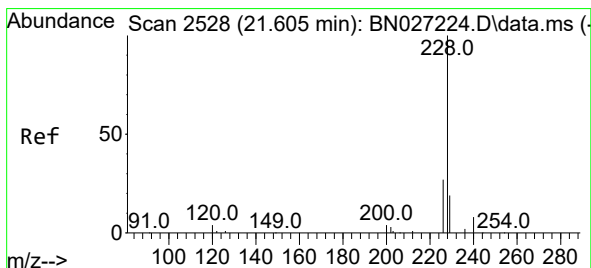
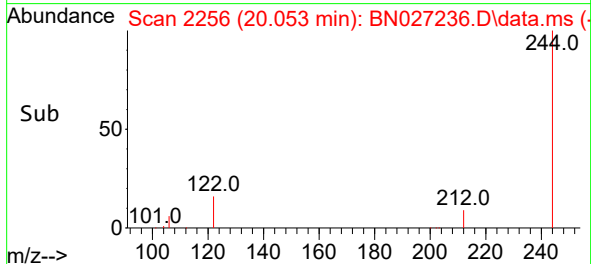
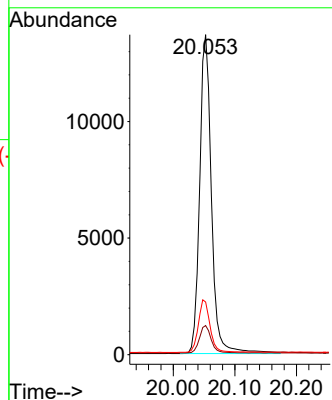


#31
 Terphenyl-d14
 Concen: 0.663 ng
 RT: 20.053 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

Instrument :
 BNA_N
 ClientSampleId :
 RE123D3-20230819

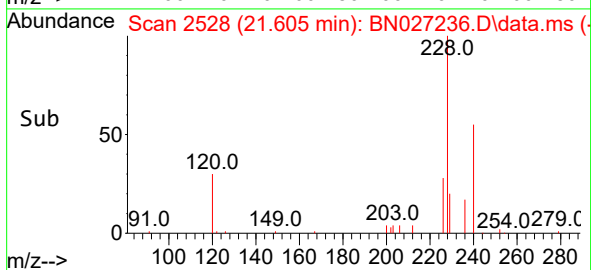
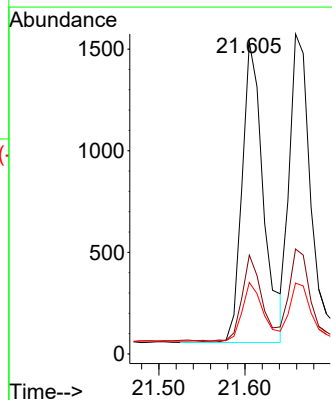
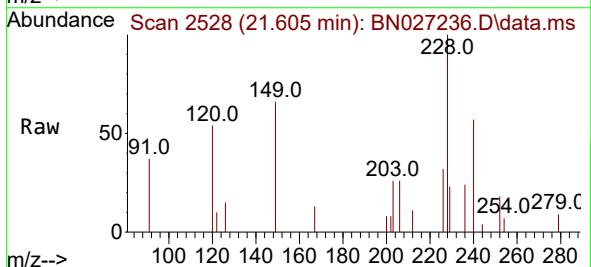


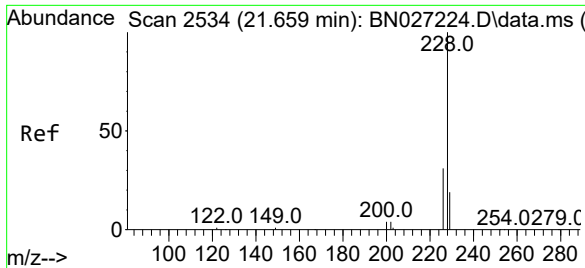
Tgt Ion:244 Resp: 18195
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.5 11.3
 122 16.5 14.0 21.0



#32
 Benzo(a)anthracene
 Concen: 0.054 ng
 RT: 21.605 min Scan# 2528
 Delta R.T. 0.000 min
 Lab File: BN027236.D
 Acq: 29 Aug 2023 11:48

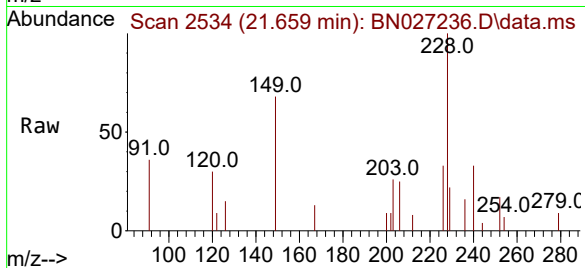
Tgt Ion:228 Resp: 2539
 Ion Ratio Lower Upper
 228 100
 226 31.7 21.9 32.9
 229 22.9 15.7 23.5



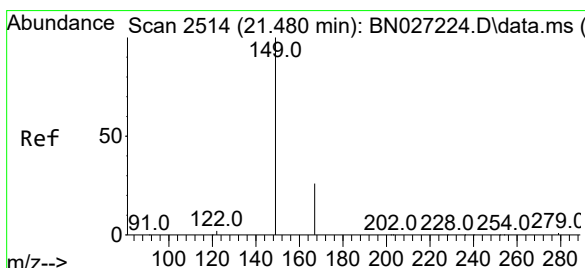
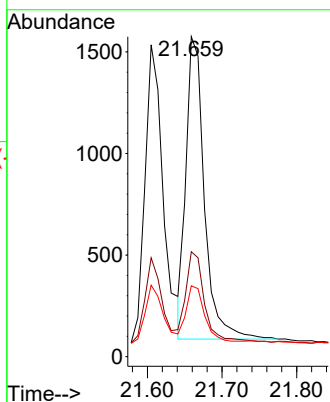
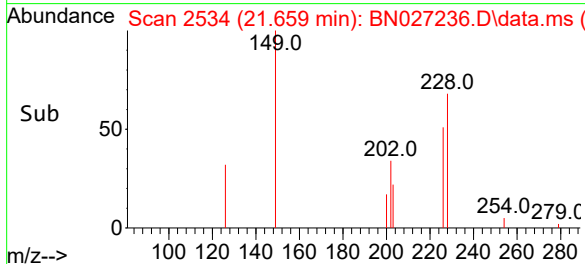


#33
Chrysene
Concen: 0.050 ng
RT: 21.659 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

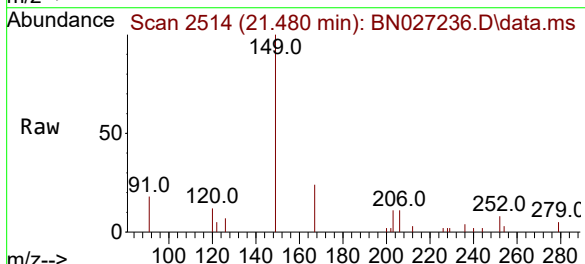
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819



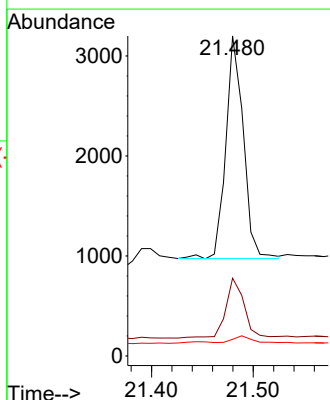
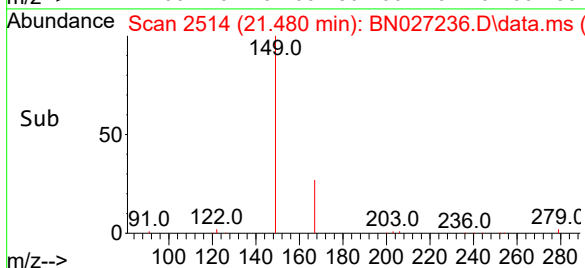
Tgt Ion:228 Resp: 2552
Ion Ratio Lower Upper
228 100
226 32.8 24.3 36.5
229 22.2 15.4 23.2

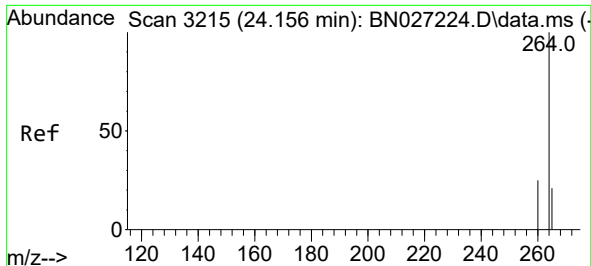


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.117 ng
RT: 21.480 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48



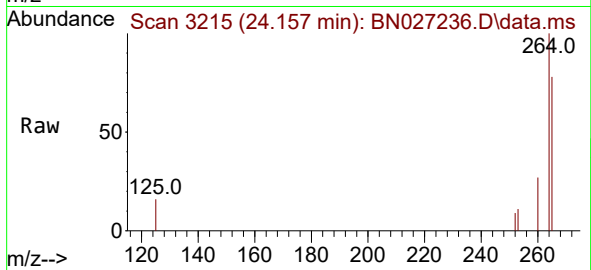
Tgt Ion:149 Resp: 2654
Ion Ratio Lower Upper
149 100
167 28.5 22.1 33.1
279 3.7 2.7 4.1



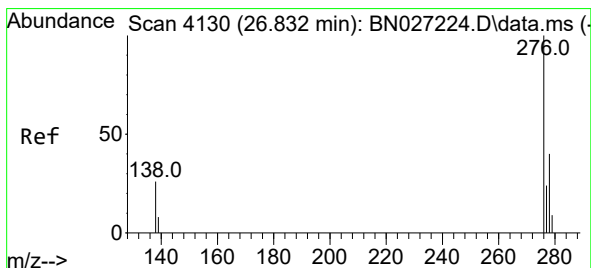
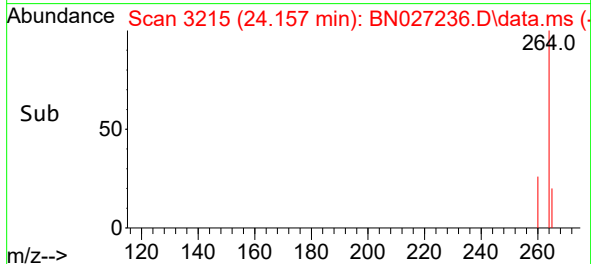
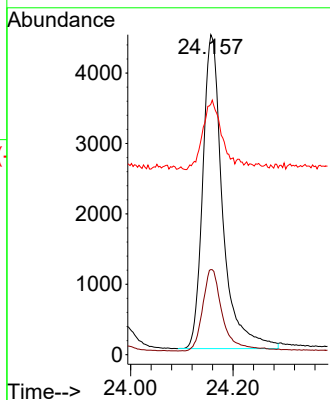


#35
Perylene-d12
Concen: 0.400 ng
RT: 24.157 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

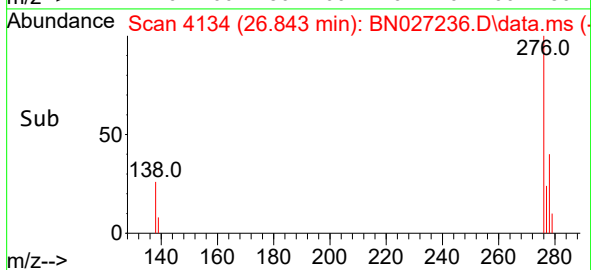
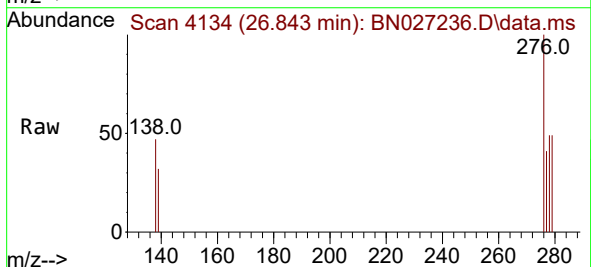
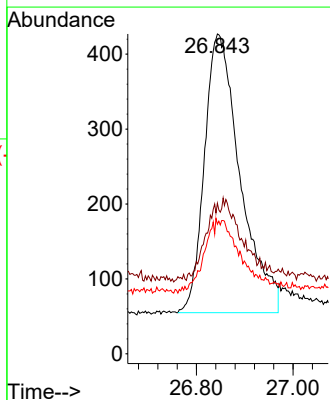


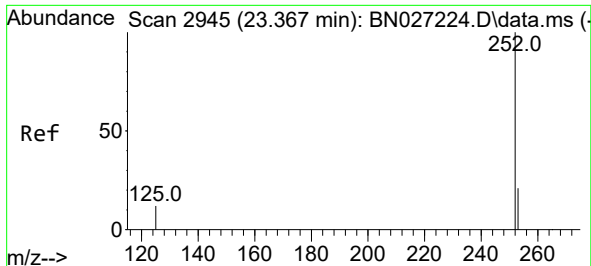
Tgt Ion:264 Resp: 12018
Ion Ratio Lower Upper
264 100
260 26.6 20.7 31.1
265 78.3 53.3 79.9



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.039 ng
RT: 26.843 min Scan# 4134
Delta R.T. 0.012 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:276 Resp: 1913
Ion Ratio Lower Upper
276 100
138 7.7 23.4 35.2#
277 8.5 19.8 29.8#

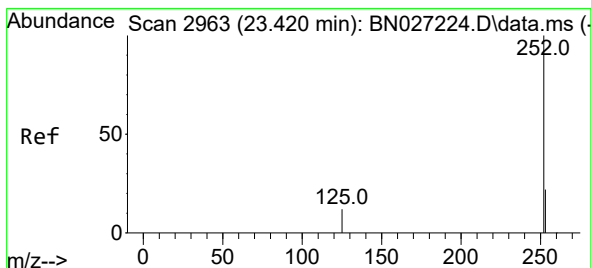
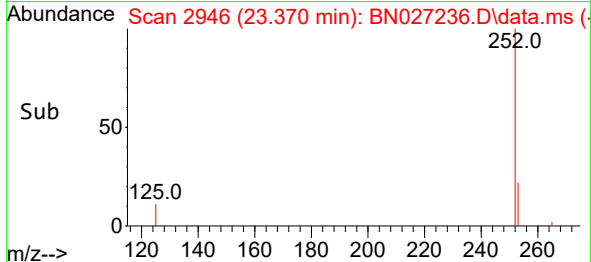
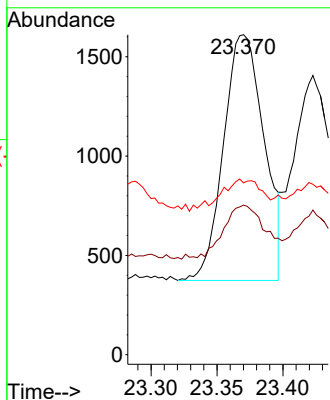
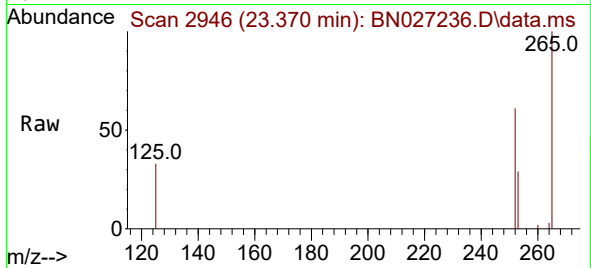




#37
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 23.370 min Scan# 2945
Delta R.T. 0.003 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

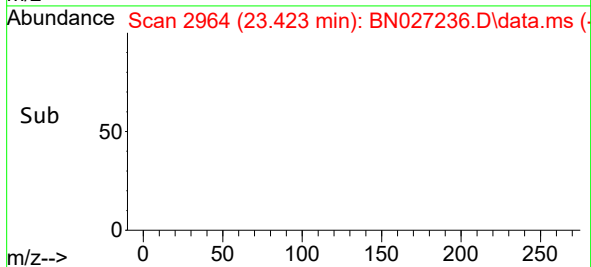
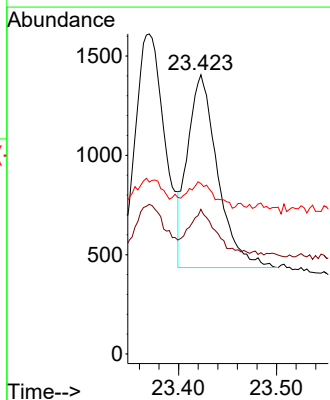
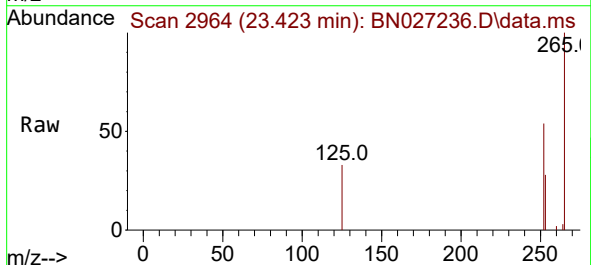
Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

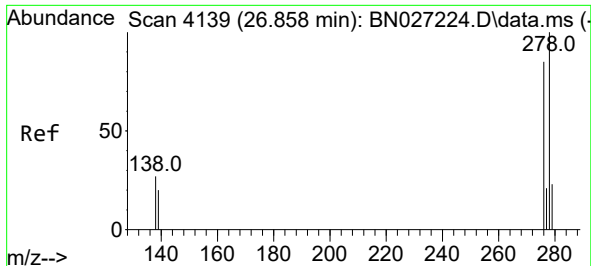
Tgt Ion:252 Resp: 2642
Ion Ratio Lower Upper
252 100
253 46.7 19.9 29.9#
125 53.7 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.043 ng
RT: 23.423 min Scan# 2964
Delta R.T. 0.003 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:252 Resp: 2078
Ion Ratio Lower Upper
252 100
253 51.8 20.2 30.2#
125 61.0 14.1 21.1#

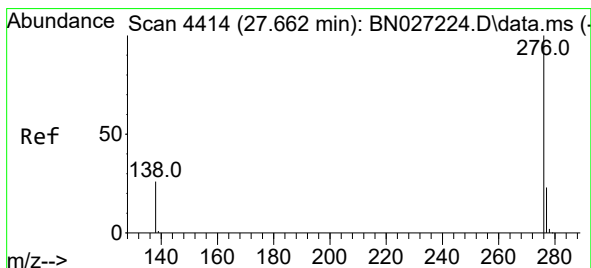
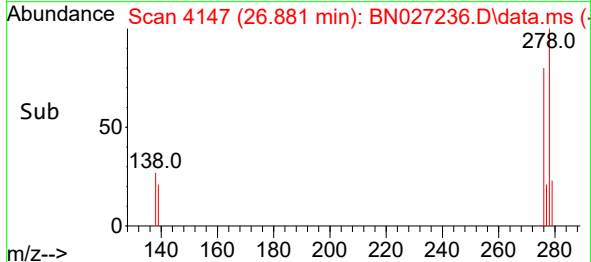
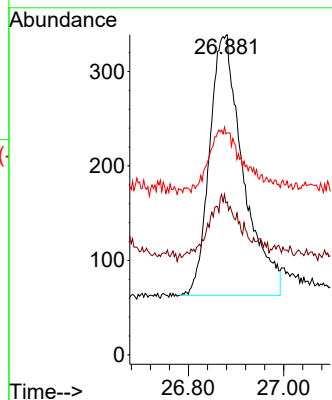
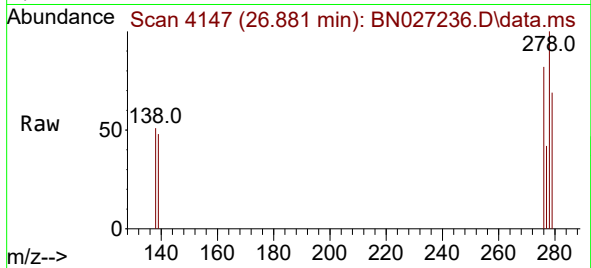




#40
Dibenzo(a,h)anthracene
Concen: 0.035 ng
RT: 26.881 min Scan# 4139
Delta R.T. 0.023 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Instrument :
BNA_N
ClientSampleId :
RE123D3-20230819

Tgt Ion:278 Resp: 1353
Ion Ratio Lower Upper
278 100
139 47.8 17.9 26.9#
279 69.3 21.8 32.6#



#41
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 27.674 min Scan# 4418
Delta R.T. 0.012 min
Lab File: BN027236.D
Acq: 29 Aug 2023 11:48

Tgt Ion:276 Resp: 1666
Ion Ratio Lower Upper
276 100
277 41.7 19.6 29.4#
138 46.3 22.1 33.1#

