

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027235.D
 Acq On : 29 Aug 2023 11:11
 Operator : MA/JU
 Sample : 04126-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE123D2-20230819

Quant Time: Aug 30 00:03:26 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

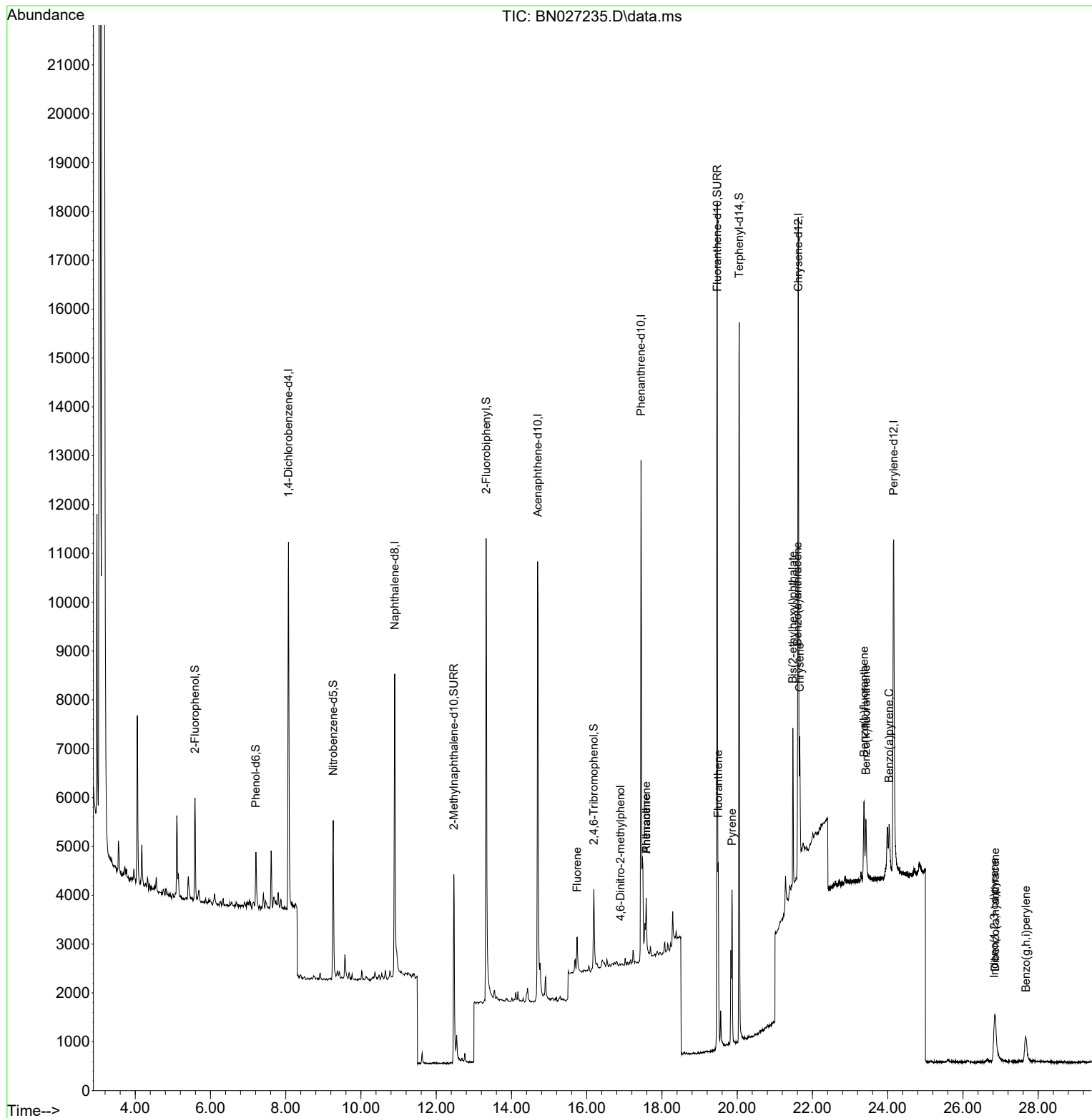
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	3773	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	9816	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	6511	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	15140	0.400	ng	0.00
29) Chrysene-d12	21.623	240	13170	0.400	ng	0.00
35) Perylene-d12	24.156	264	12336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	1885	0.192	ng	0.00
5) Phenol-d6	7.207	99	1252	0.105	ng	0.00
8) Nitrobenzene-d5	9.262	82	3012	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	6588	0.457	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1116	0.463	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	10124	0.409	ng	0.00
27) Fluoranthene-d10	19.467	212	19906	0.529	ng	0.00
31) Terphenyl-d14	20.053	244	14946	0.565	ng	0.00
Target Compounds						
18) Fluorene	15.742	166	662	0.025	ng	# 95
20) 4,6-Dinitro-2-methylph...	16.897	198	10	0.046	ng	# 23
25) Phenanthrene	17.579	178	1578	0.035	ng	99
26) Anthracene	17.579	178	1450	0.038	ng	98
28) Fluoranthene	19.495	202	3008	0.057	ng	# 96
30) Pyrene	19.862	202	3003	0.057	ng	98
32) Benzo(a)anthracene	21.605	228	2134	0.047	ng	93
33) Chrysene	21.659	228	2294	0.046	ng	94
34) Bis(2-ethylhexyl)phtha...	21.480	149	2957	0.136	ng	98
36) Indeno(1,2,3-cd)pyrene	26.832	276	1869	0.037	ng	# 85
37) Benzo(b)fluoranthene	23.370	252	2418	0.051	ng	# 39
38) Benzo(k)fluoranthene	23.420	252	1825	0.037	ng	# 30
39) Benzo(a)pyrene	24.040	252	1675	0.038	ng	# 10
40) Dibenzo(a,h)anthracene	26.858	278	1319	0.034	ng	# 30
41) Benzo(g,h,i)perylene	27.671	276	1569	0.034	ng	# 67

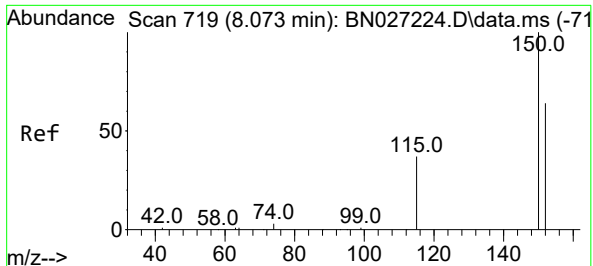
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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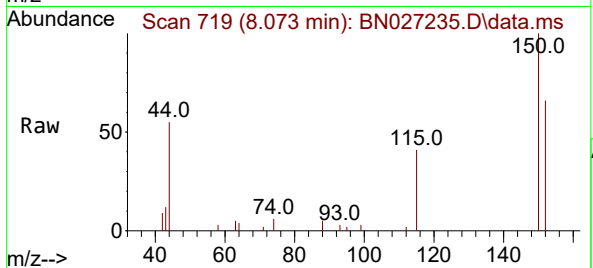
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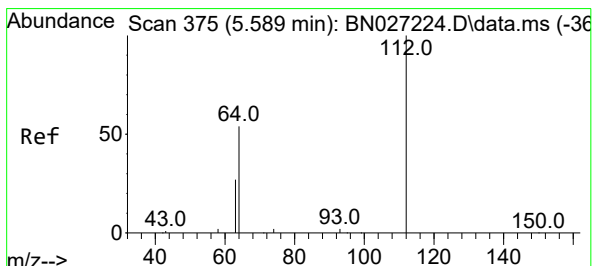
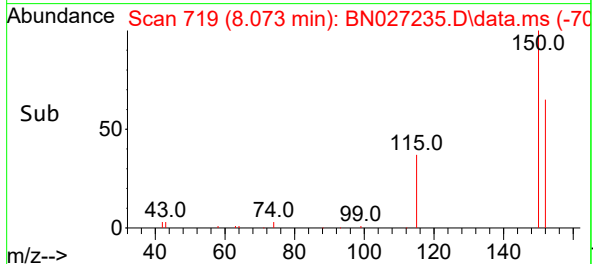
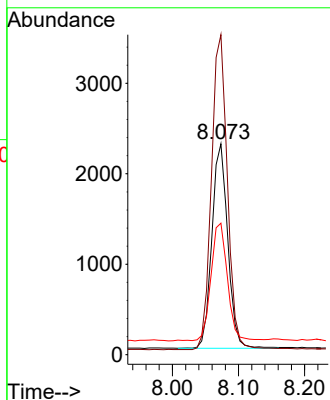


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.073 min Scan# 719
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819

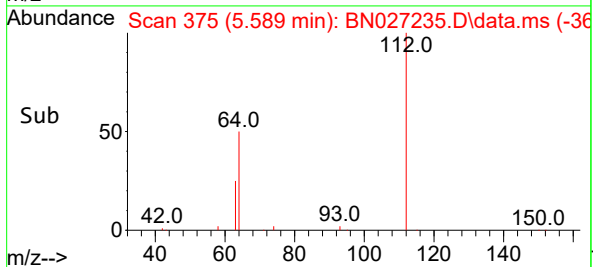
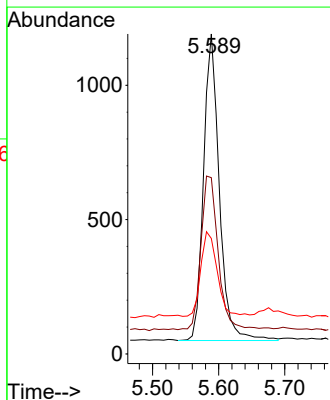
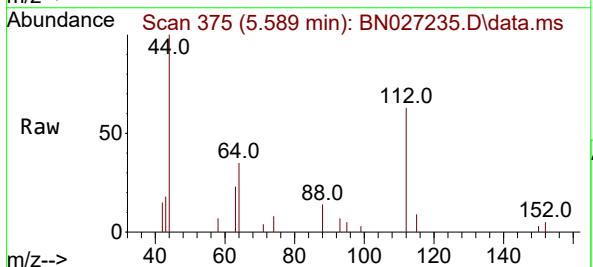


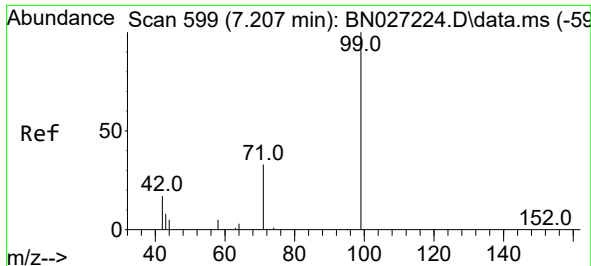
Tgt Ion:152 Resp: 3773
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 62.4 48.6 73.0



#4
2-Fluorophenol
Concen: 0.192 ng
RT: 5.589 min Scan# 375
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

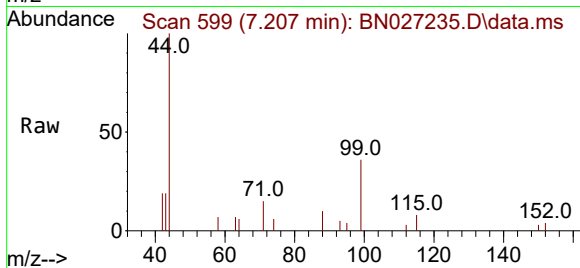
Tgt Ion:112 Resp: 1885
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 29.0 23.1 34.7



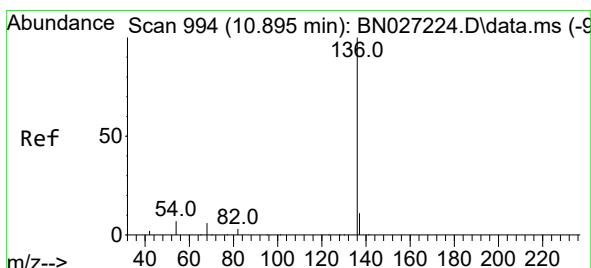
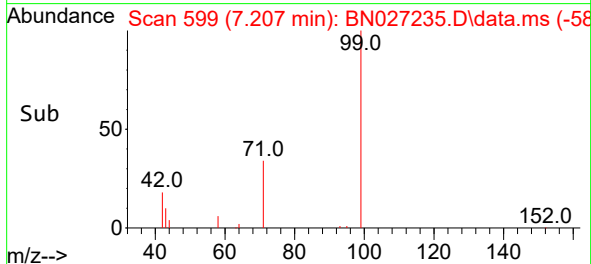
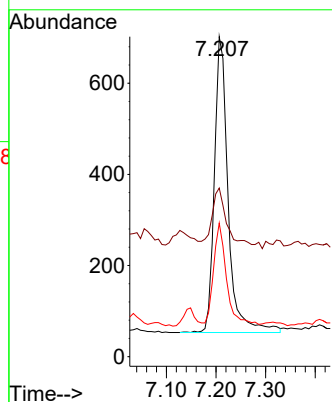


#5
Phenol-d6
Concen: 0.105 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Instrument :
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ClientSampleId :
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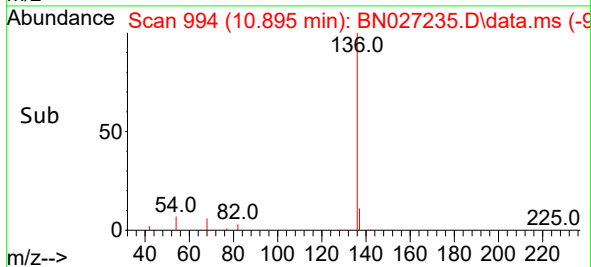
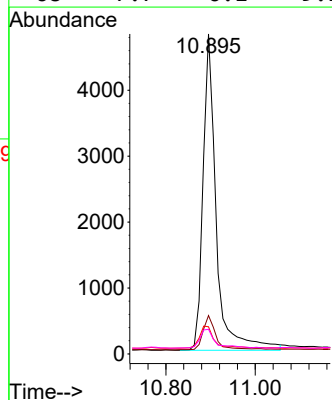
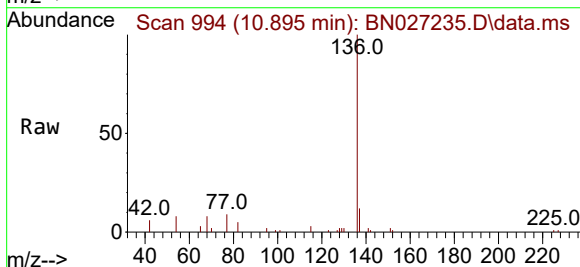


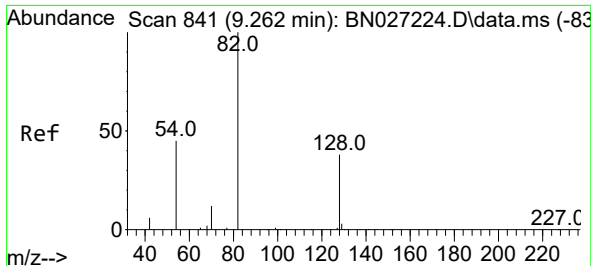
Tgt Ion:	99	Resp:	1252
Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.5	21.7
71	31.9	25.8	38.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:	136	Resp:	9816
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	8.5	6.7	10.1
68	7.7	6.1	9.1

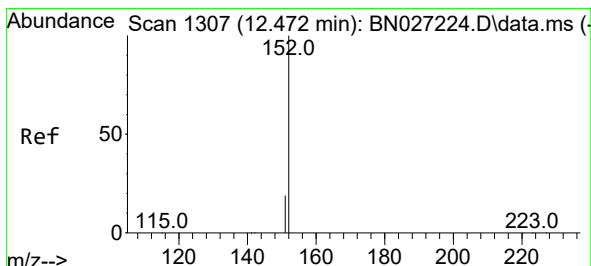
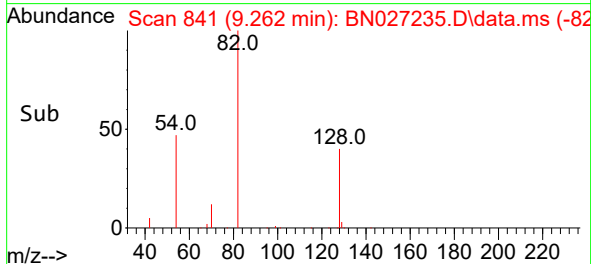
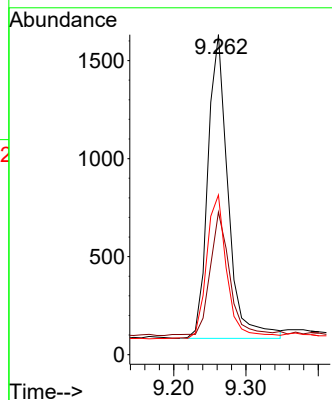
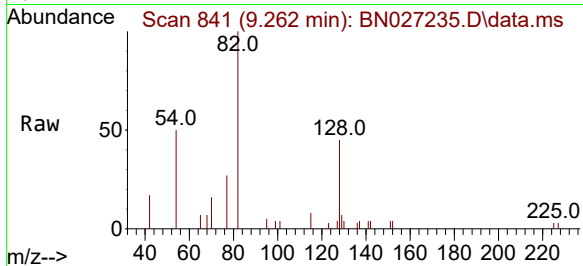




#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 9.262 min Scan# 841
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

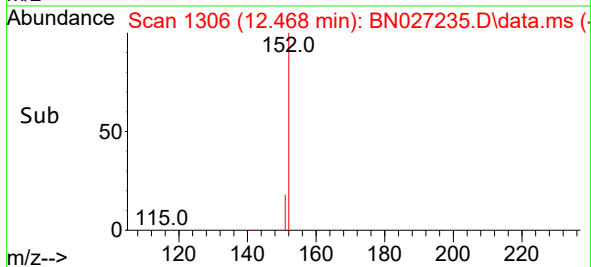
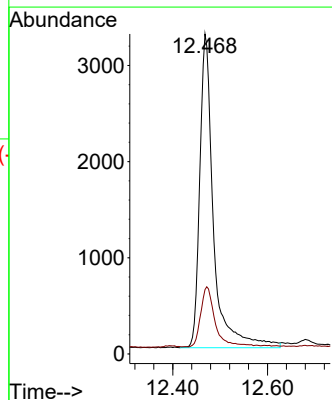
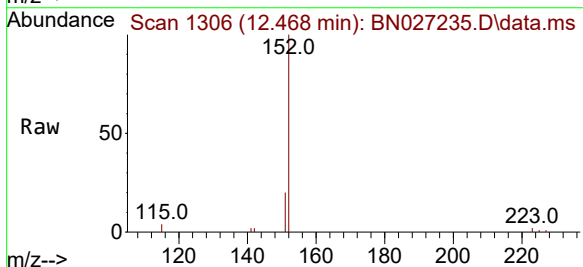
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BNA_N
ClientSampleId :
RE123D2-20230819

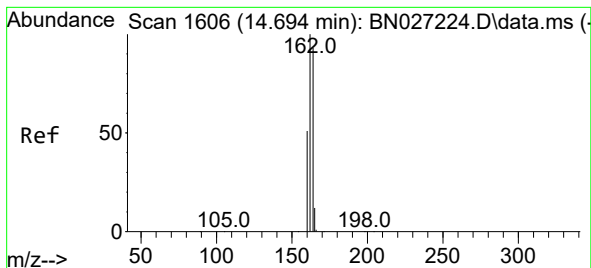
Tgt Ion: 82 Resp: 3012
Ion Ratio Lower Upper
82 100
128 44.5 33.4 50.0
54 49.9 37.7 56.5



#11
2-Methylnaphthalene-d10
Concen: 0.457 ng
RT: 12.468 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion: 152 Resp: 6588
Ion Ratio Lower Upper
152 100
151 20.2 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: BN027235.D

Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819

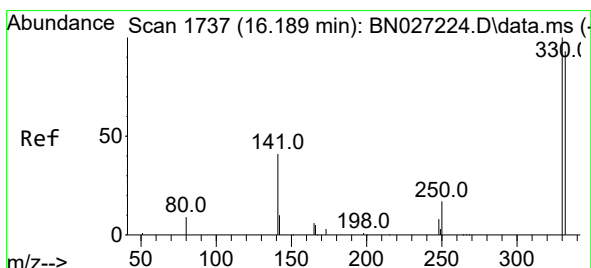
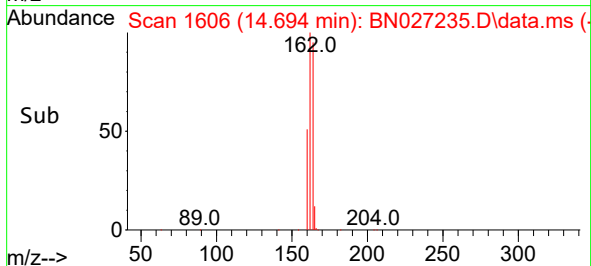
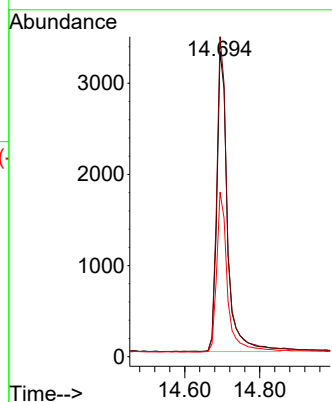
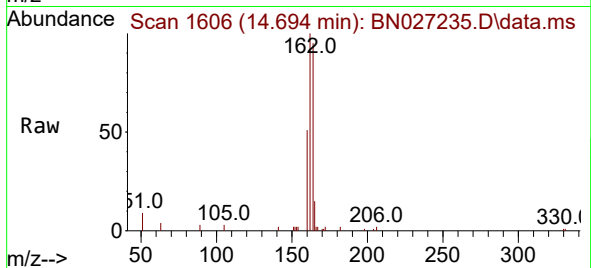
Tgt Ion:164 Resp: 6511

Ion Ratio Lower Upper

164 100

162 104.8 85.8 128.8

160 53.9 44.2 66.2



#14

2,4,6-Tribromophenol

Concen: 0.463 ng

RT: 16.189 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

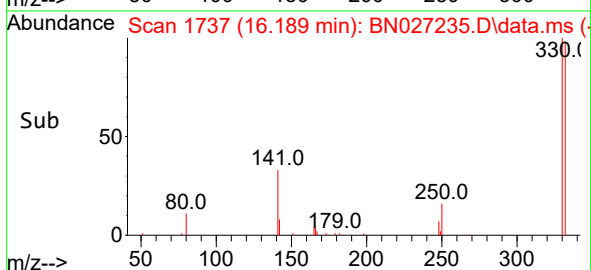
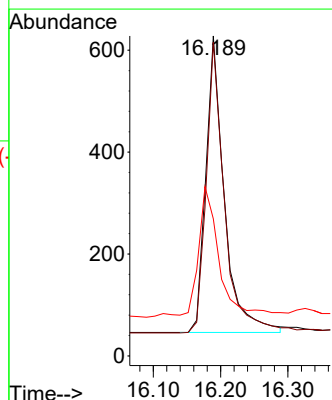
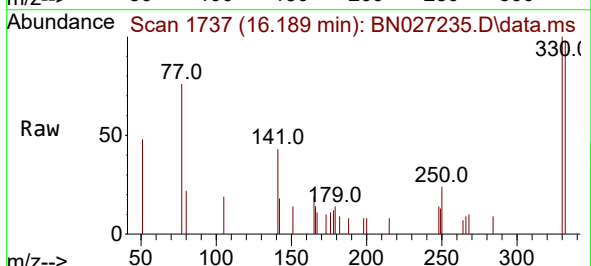
Tgt Ion:330 Resp: 1116

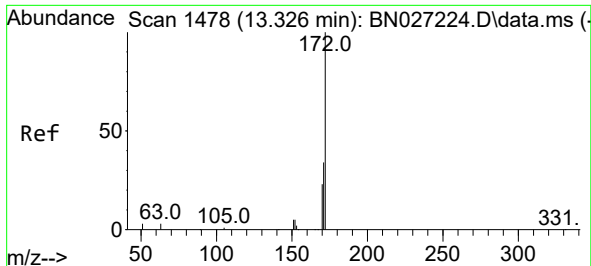
Ion Ratio Lower Upper

330 100

332 96.3 75.2 112.8

141 45.8 36.2 54.4

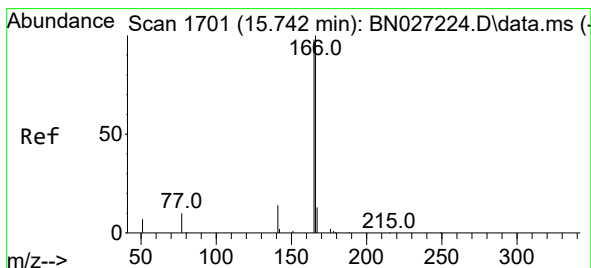
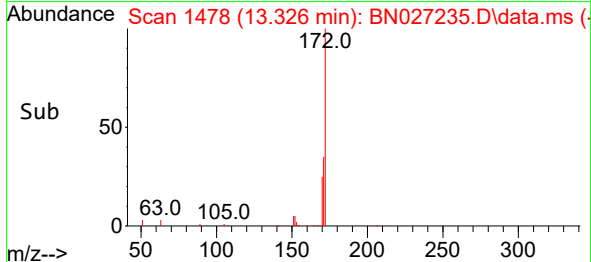
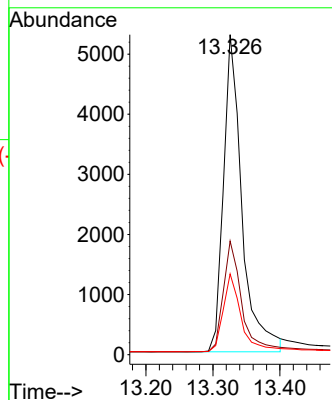
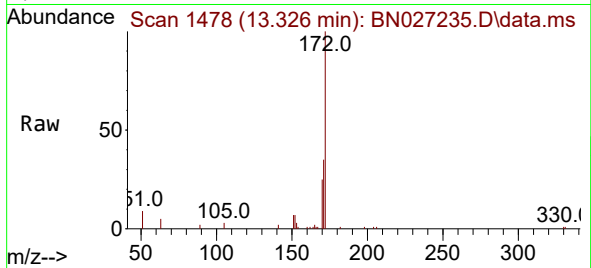




#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

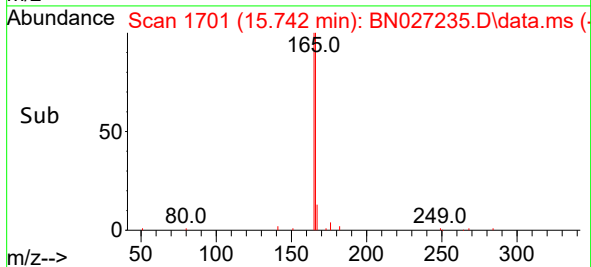
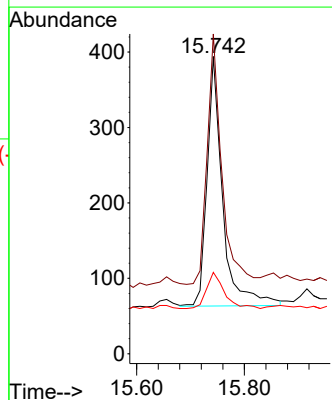
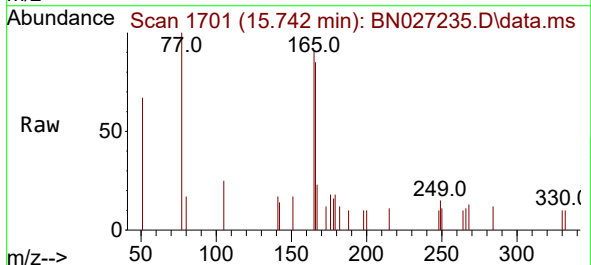
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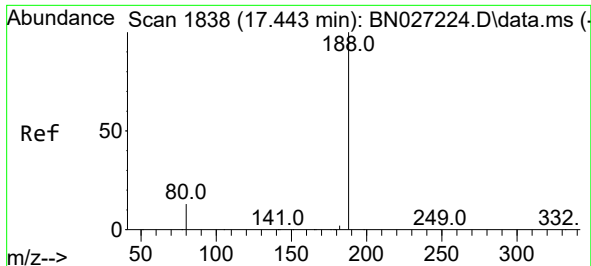
Tgt Ion:172 Resp: 10124
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 25.2 19.3 28.9



#18
Fluorene
Concen: 0.025 ng
RT: 15.742 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:166 Resp: 662
Ion Ratio Lower Upper
166 100
165 94.1 79.0 118.4
167 16.5 10.8 16.2#

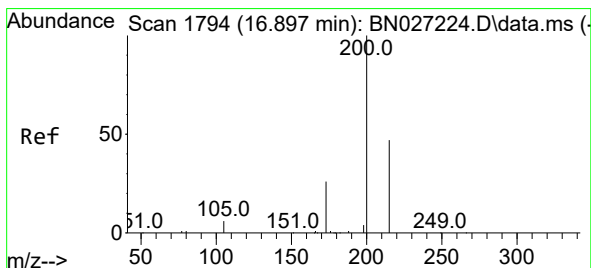
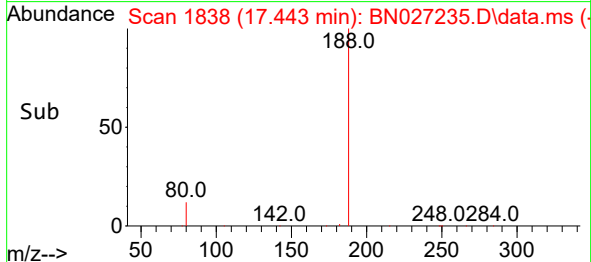
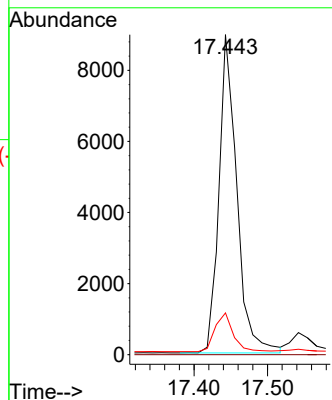
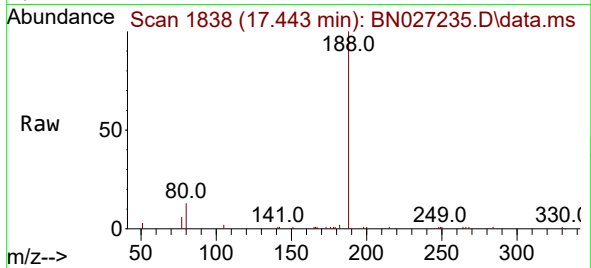




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.443 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

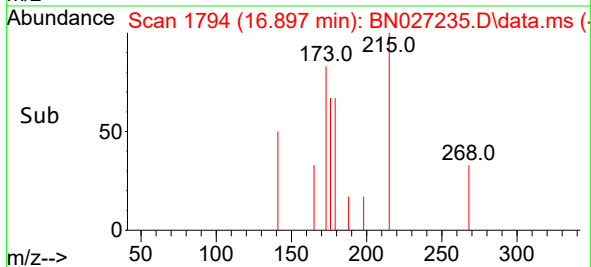
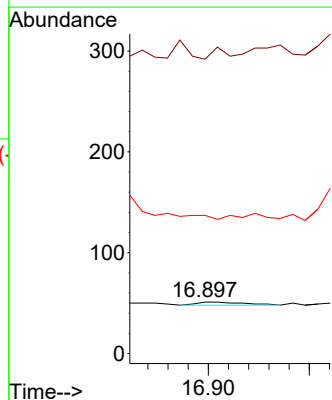
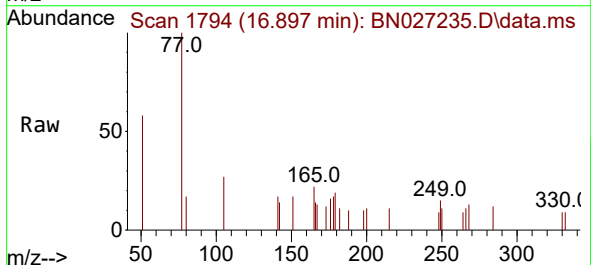
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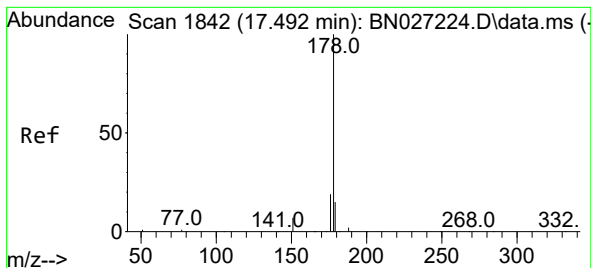
Tgt Ion:188 Resp: 15140
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 11.0 16.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.046 ng
RT: 16.897 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 572.5 282.2 423.2#
105 268.6 168.7 253.1#





#25

Phenanthrene

Concen: 0.035 ng

RT: 17.579 min Scan# 1849

Delta R.T. 0.087 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819

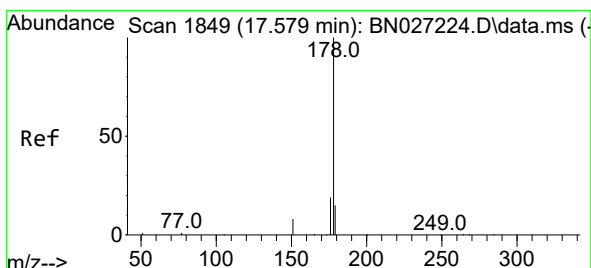
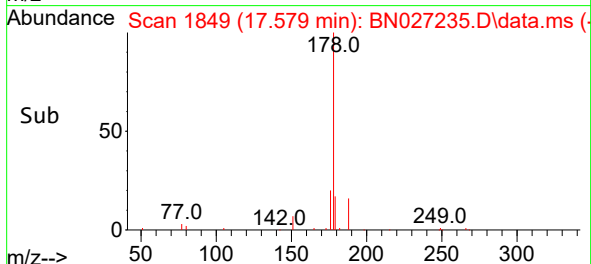
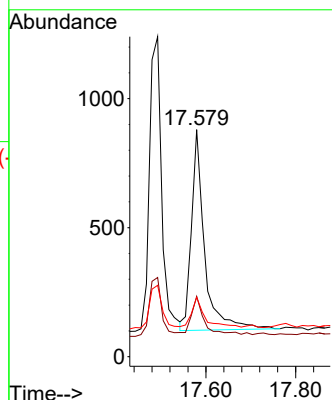
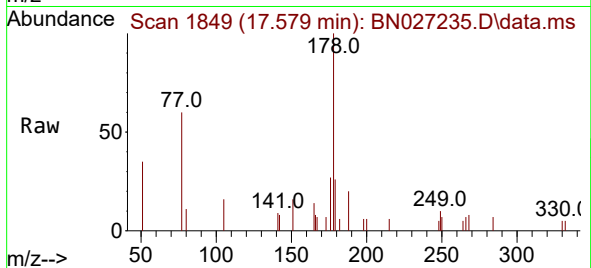
Tgt Ion:178 Resp: 1578

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 14.5 12.3 18.5



#26

Anthracene

Concen: 0.038 ng

RT: 17.579 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

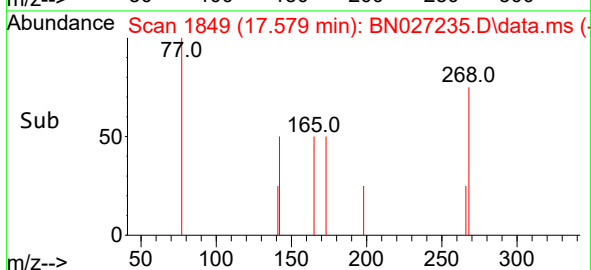
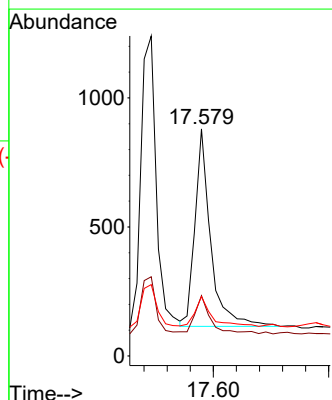
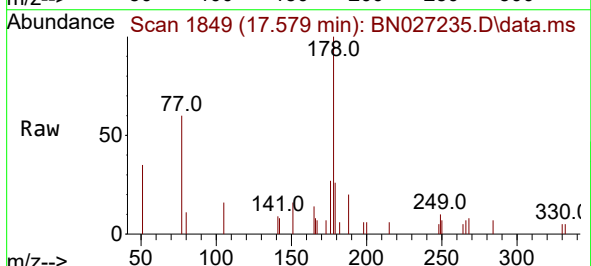
Tgt Ion:178 Resp: 1450

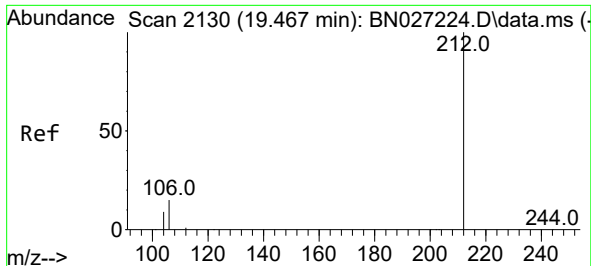
Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

179 15.5 12.0 18.0

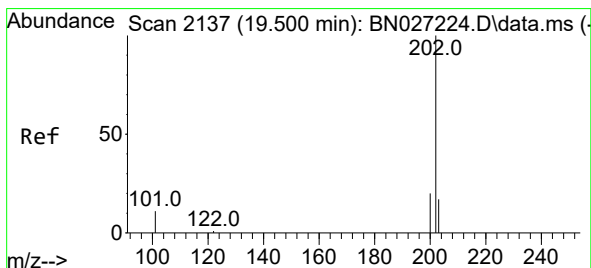
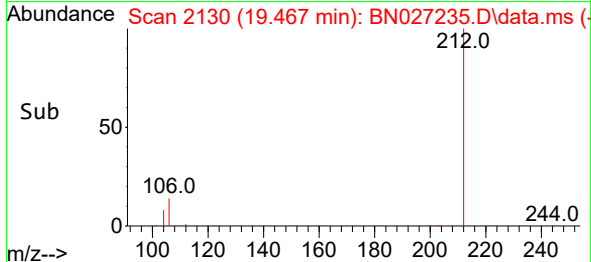
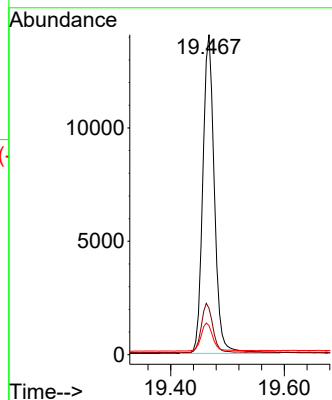
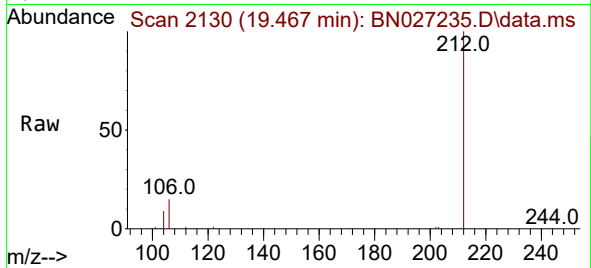




#27
Fluoranthene-d10
Concen: 0.529 ng
RT: 19.467 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

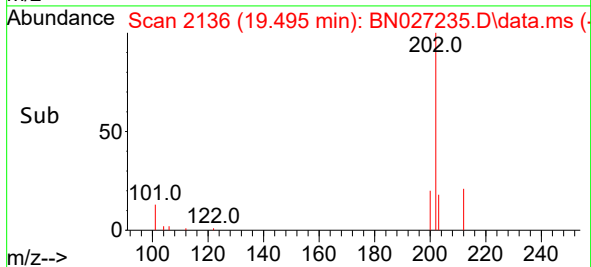
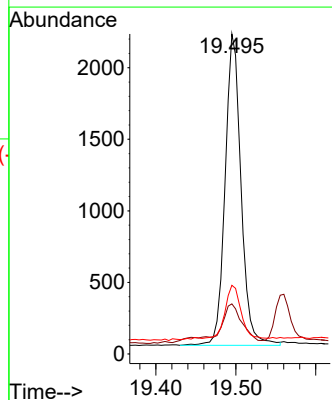
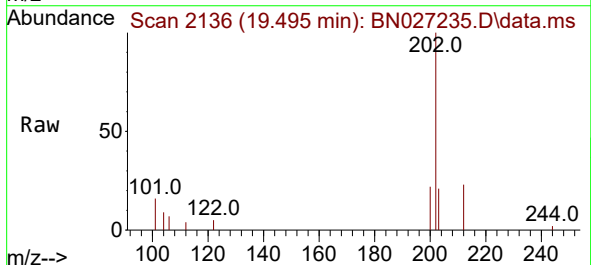
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819

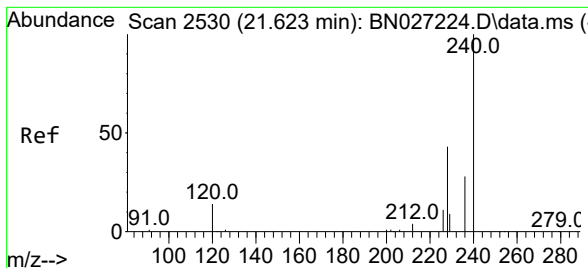
Tgt Ion	Ratio	Lower	Upper
212	100		
106	15.3	12.1	18.1
104	9.0	6.9	10.3



#28
Fluoranthene
Concen: 0.057 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	9.6	14.4
203	17.2	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: BN027235.D

Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819

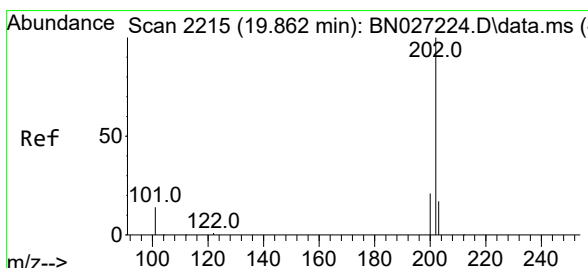
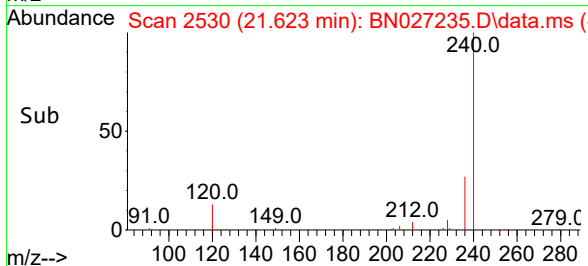
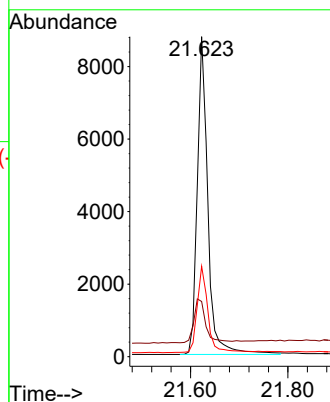
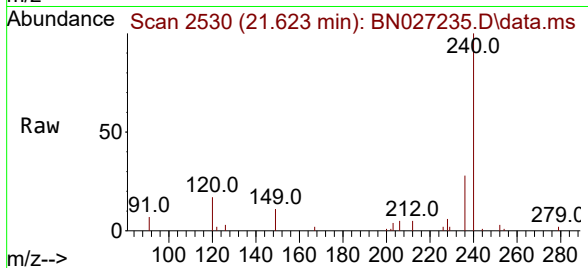
Tgt Ion:240 Resp: 13170

Ion Ratio Lower Upper

240 100

120 17.2 14.2 21.4

236 28.2 22.9 34.3



#30

Pyrene

Concen: 0.057 ng

RT: 19.862 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

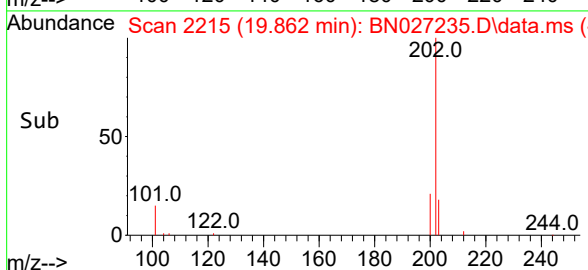
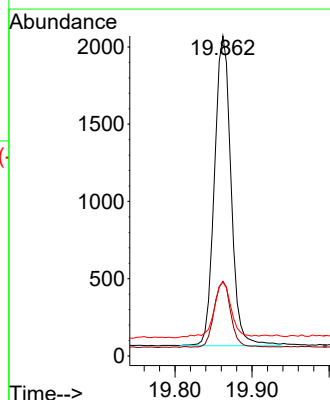
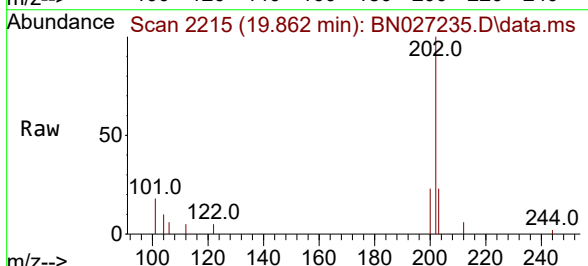
Tgt Ion:202 Resp: 3003

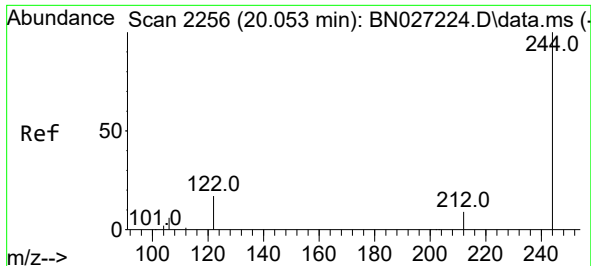
Ion Ratio Lower Upper

202 100

200 21.3 16.6 25.0

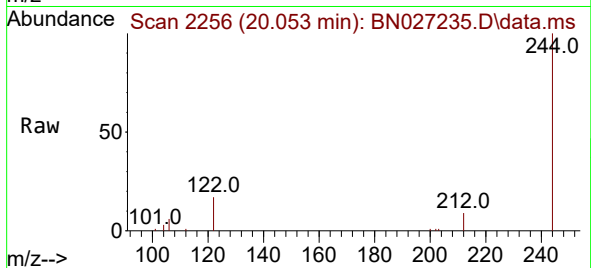
203 18.8 14.2 21.4



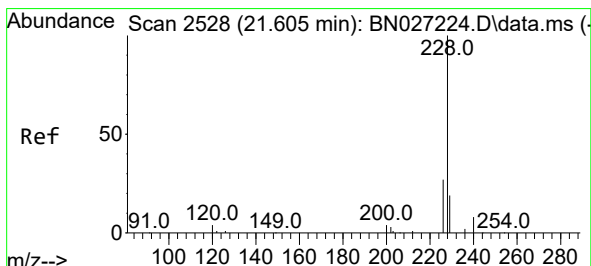
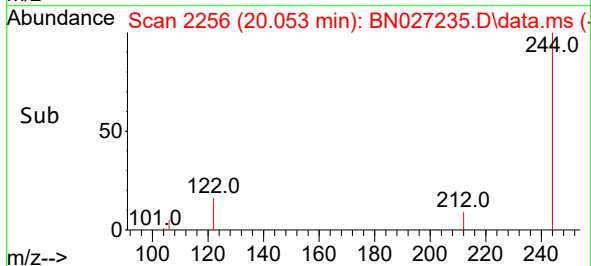
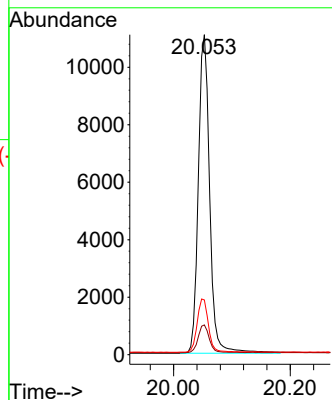


#31
 Terphenyl-d14
 Concen: 0.565 ng
 RT: 20.053 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN027235.D
 Acq: 29 Aug 2023 11:11

Instrument :
 BNA_N
 ClientSampleId :
 RE123D2-20230819

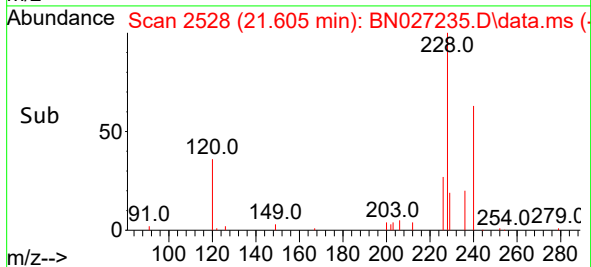
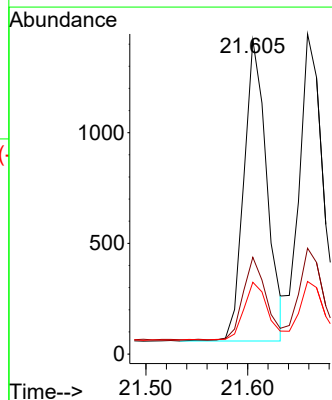
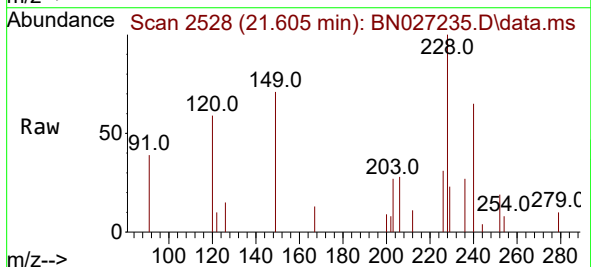


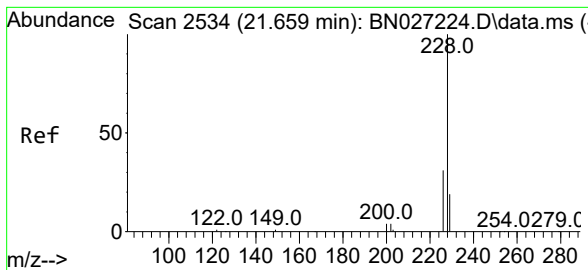
Tgt Ion:244 Resp: 14946
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.5 11.3
 122 17.1 14.0 21.0



#32
 Benzo(a)anthracene
 Concen: 0.047 ng
 RT: 21.605 min Scan# 2528
 Delta R.T. 0.000 min
 Lab File: BN027235.D
 Acq: 29 Aug 2023 11:11

Tgt Ion:228 Resp: 2134
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.9 32.9
 229 22.8 15.7 23.5





#33

Chrysene

Concen: 0.046 ng

RT: 21.659 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819

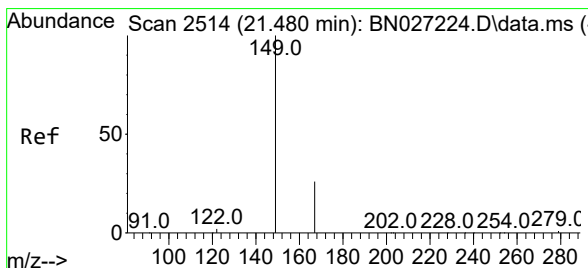
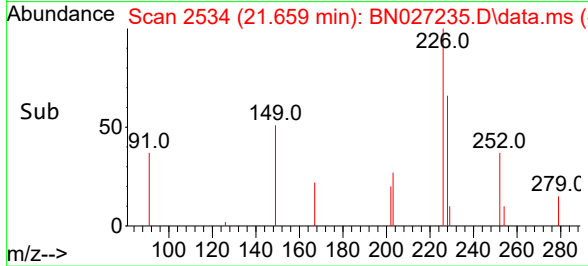
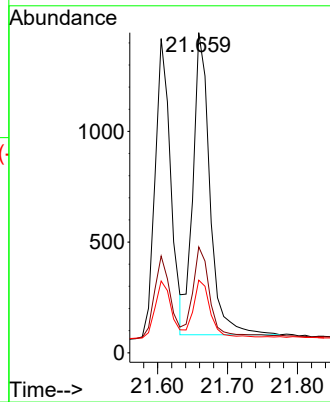
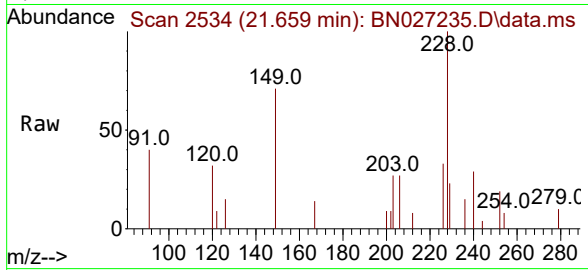
Tgt Ion:228 Resp: 2294

Ion Ratio Lower Upper

228 100

226 33.1 24.3 36.5

229 22.7 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.136 ng

RT: 21.480 min Scan# 2514

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

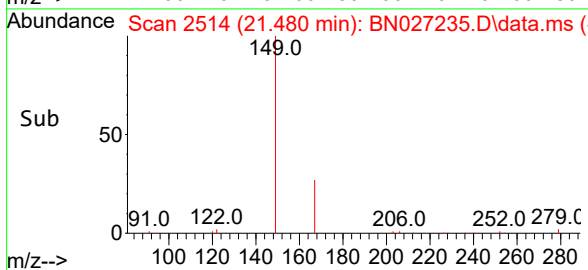
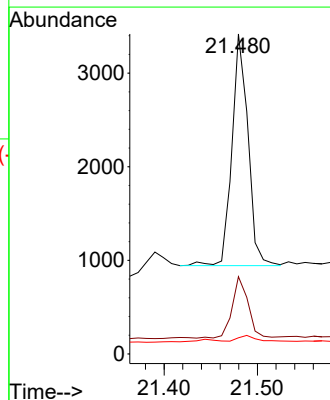
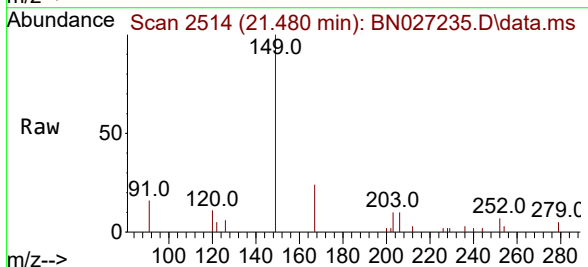
Tgt Ion:149 Resp: 2957

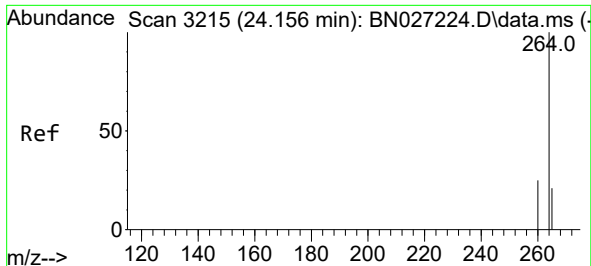
Ion Ratio Lower Upper

149 100

167 26.4 22.1 33.1

279 2.9 2.7 4.1

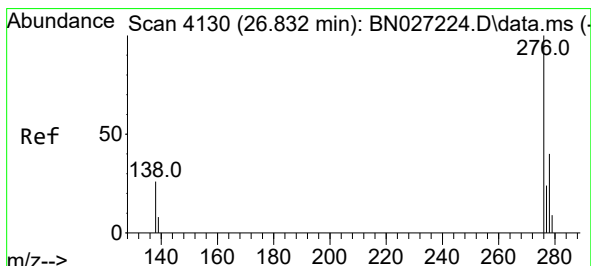
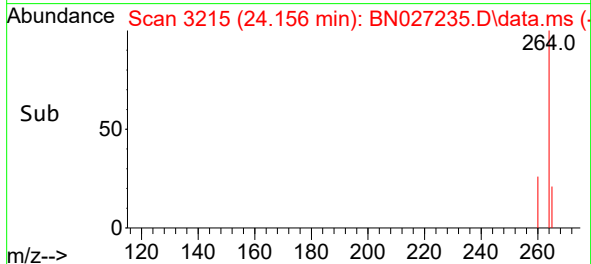
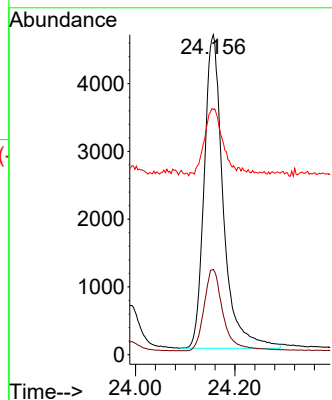
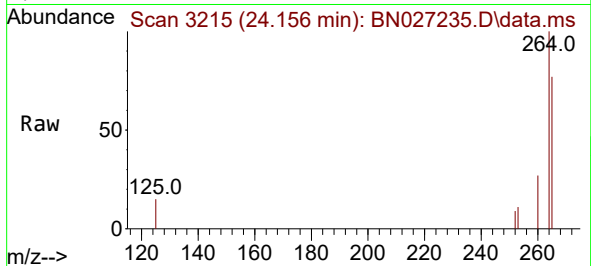




#35
Perylene-d12
Concen: 0.400 ng
RT: 24.156 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

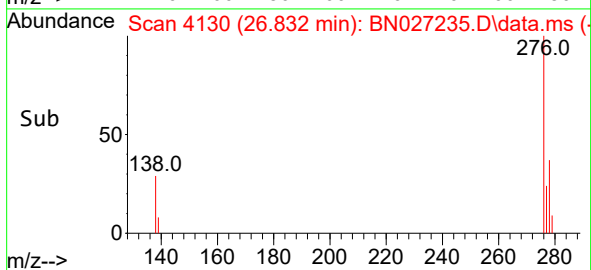
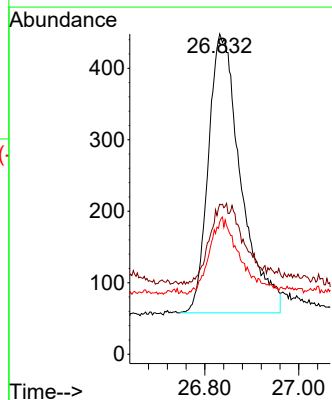
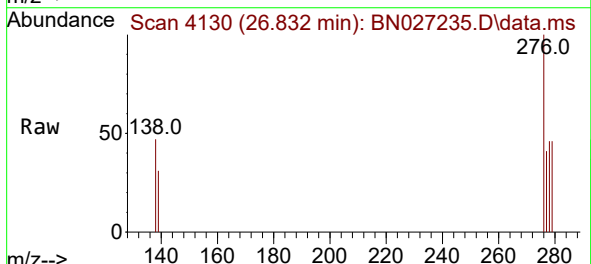
Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819

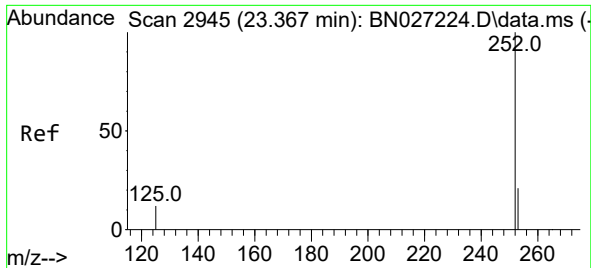
Tgt Ion:	264	Resp:	12336
Ion Ratio	Lower	Upper	
264	100		
260	26.6	20.7	31.1
265	76.6	53.3	79.9



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.037 ng
RT: 26.832 min Scan# 4130
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

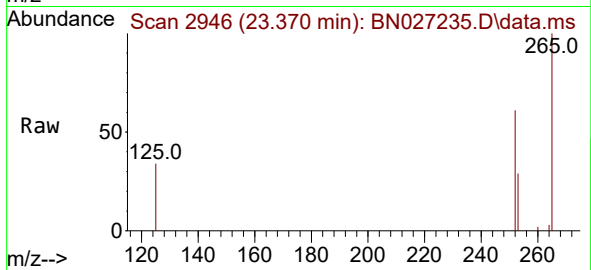
Tgt Ion:	276	Resp:	1869
Ion Ratio	Lower	Upper	
276	100		
138	17.1	23.4	35.2#
277	22.3	19.8	29.8



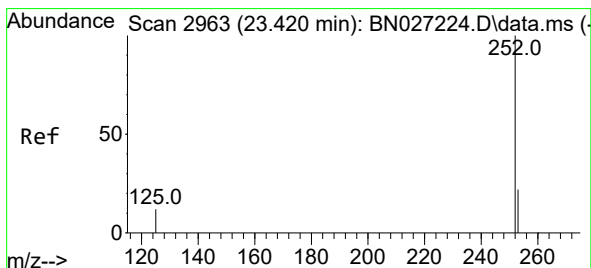
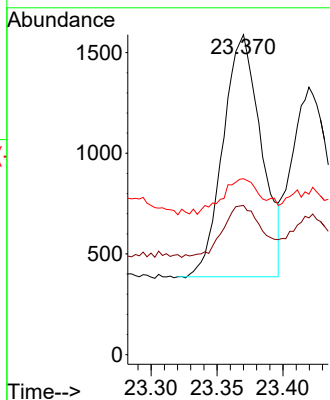


#37
Benzo(b)fluoranthene
Concen: 0.051 ng
RT: 23.370 min Scan# 2945
Delta R.T. 0.003 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Instrument :
BNA_N
ClientSampleId :
RE123D2-20230819

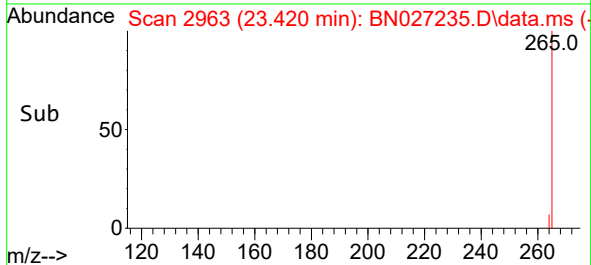
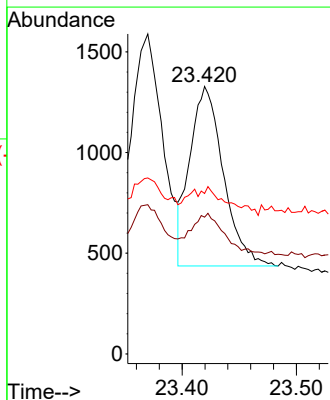
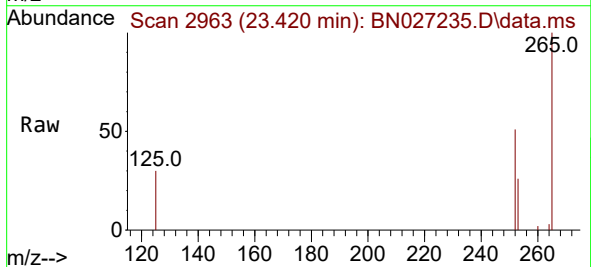


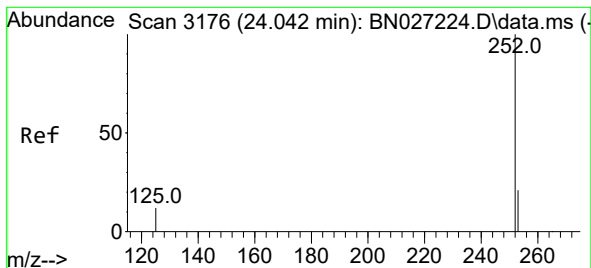
Tgt Ion:252 Resp: 2418
Ion Ratio Lower Upper
252 100
253 46.6 19.9 29.9#
125 55.0 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.037 ng
RT: 23.420 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BN027235.D
Acq: 29 Aug 2023 11:11

Tgt Ion:252 Resp: 1825
Ion Ratio Lower Upper
252 100
253 51.1 20.2 30.2#
125 60.0 14.1 21.1#





#39

Benzo(a)pyrene

Concen: 0.038 ng

RT: 24.040 min Scan# 3176

Delta R.T. -0.003 min

Lab File: BN027235.D

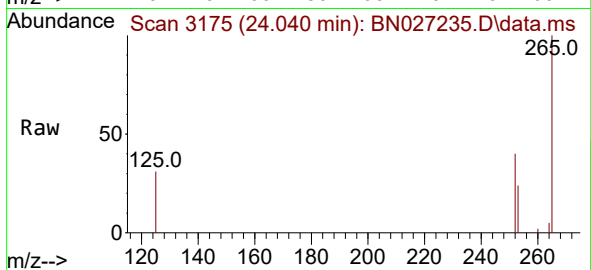
Acq: 29 Aug 2023 11:11

Instrument :

BNA_N

ClientSampleId :

RE123D2-20230819



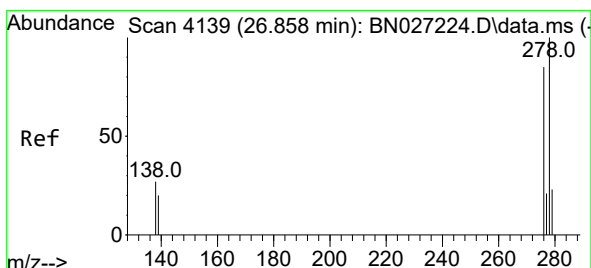
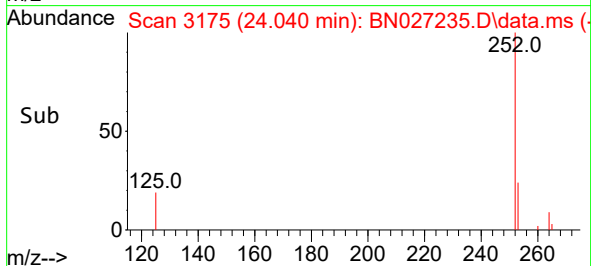
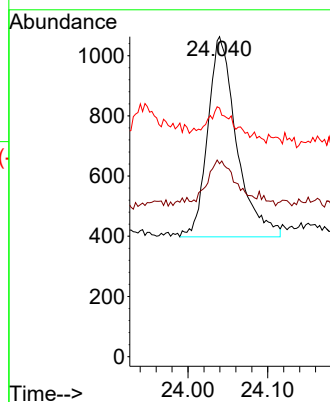
Tgt Ion:252 Resp: 1675

Ion Ratio Lower Upper

252 100

253 60.3 21.4 32.0#

125 77.7 16.5 24.7#



#40

Dibenzo(a,h)anthracene

Concen: 0.034 ng

RT: 26.858 min Scan# 4139

Delta R.T. 0.000 min

Lab File: BN027235.D

Acq: 29 Aug 2023 11:11

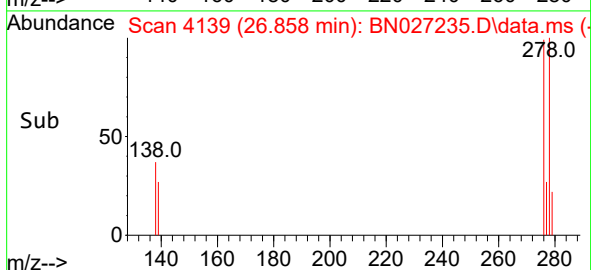
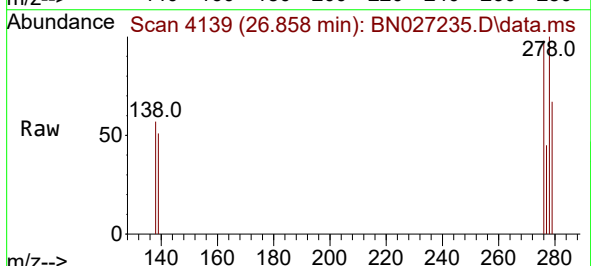
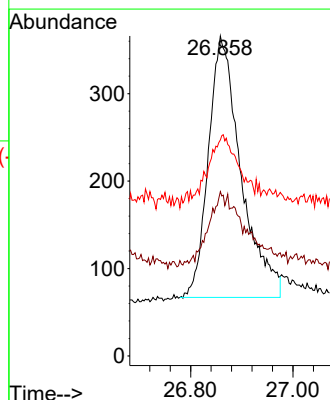
Tgt Ion:278 Resp: 1319

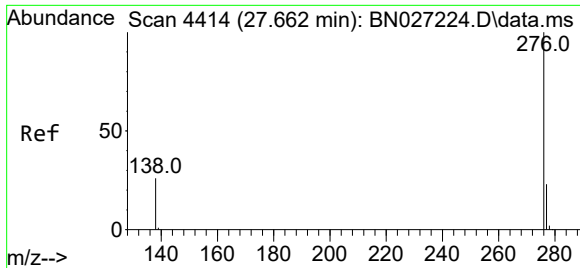
Ion Ratio Lower Upper

278 100

139 51.4 17.9 26.9#

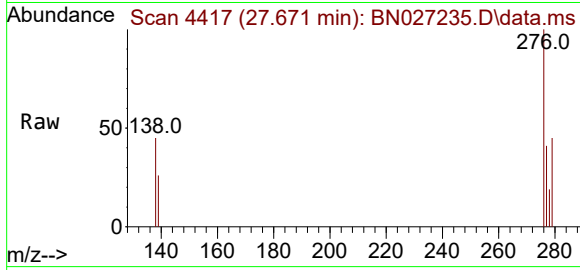
279 67.5 21.8 32.6#





#41
 Benzo(g,h,i)perylene
 Concen: 0.034 ng
 RT: 27.671 min Scan# 44
 Delta R.T. 0.009 min
 Lab File: BN027235.D
 Acq: 29 Aug 2023 11:11

Instrument :
 BNA_N
 ClientSampleId :
 RE123D2-20230819



Tgt Ion:	276	Resp:	1569
Ion	Ratio	Lower	Upper
276	100		
277	40.9	19.6	29.4#
138	44.9	22.1	33.1#

