

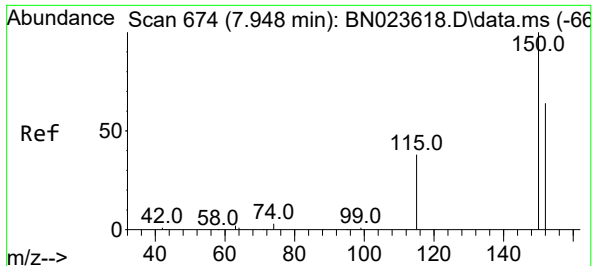
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011623\
 Data File : BN023662.D
 Acq On : 16 Jan 2023 13:01
 Operator : CG/JU
 Sample : PB150194BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB150194BL

Quant Time: Jan 17 04:33:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 04:31:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	4991	0.400	ng	0.00
7) Naphthalene-d8	10.754	136	14718	0.400	ng	# 0.00
13) Acenaphthene-d10	14.591	164	8295	0.400	ng	0.00
19) Phenanthrene-d10	17.340	188	17872	0.400	ng	0.00
29) Chrysene-d12	21.536	240	12646	0.400	ng	0.00
35) Perylene-d12	23.966	264	9282	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.493	112	4056	0.409	ng	0.00
5) Phenol-d6	7.103	99	4925	0.386	ng	0.00
8) Nitrobenzene-d5	9.110	82	3408	0.308	ng	0.00
11) 2-Methylnaphthalene-d10	12.348	152	6593	0.325	ng	0.00
14) 2,4,6-Tribromophenol	16.086	330	1019	0.284	ng	0.00
15) 2-Fluorobiphenyl	13.223	172	10863	0.324	ng	0.00
27) Fluoranthene-d10	19.376	212	13260	0.303	ng	0.00
31) Terphenyl-d14	19.975	244	13462	0.420	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.371	93	10	0.001	ng	Qvalue 95
9) Naphthalene	10.797	128	21	0.001	ng	# 1
10) Hexachlorobutadiene	11.085	225	4	0.001	ng	# 50
16) Acenaphthylene	14.313	152	24	0.001	ng	# 61
17) Acenaphthene	14.656	154	22	0.001	ng	# 55
18) Fluorene	15.650	166	84	0.003	ng	# 87
20) 4,6-Dinitro-2-methylph...	15.682	198	2	0.001	ng	# 1
21) 4-Bromophenyl-phenylether	16.546	248	7	0.001	ng	# 60
22) Hexachlorobenzene	16.645	284	12	0.001	ng	# 26
23) Atrazine	16.806	200	3	0.000	ng	# 1
24) Pentachlorophenol	17.005	266	40	0.009	ng	# 91
25) Phenanthrene	17.477	178	178	0.003	ng	98
26) Anthracene	17.477	178	164	0.004	ng	99
28) Fluoranthene	19.410	202	496	0.008	ng	97
30) Pyrene	19.772	202	480	0.010	ng	# 94
32) Benzo(a)anthracene	21.518	228	463	0.011	ng	# 72
33) Chrysene	21.571	228	401	0.009	ng	# 78
34) Bis(2-ethylhexyl)phtha...	21.446	149	362	0.019	ng	# 87
36) Indeno(1,2,3-cd)pyrene	26.500	276	423	0.010	ng	# 65
37) Benzo(b)fluoranthene	23.223	252	510	0.013	ng	# 1
38) Benzo(k)fluoranthene	23.273	252	308	0.008	ng	# 1
39) Benzo(a)pyrene	23.857	252	299	0.010	ng	# 1
40) Dibenzo(a,h)anthracene	26.518	278	290	0.009	ng	# 1
41) Benzo(g,h,i)perylene	27.269	276	136	0.004	ng	# 11

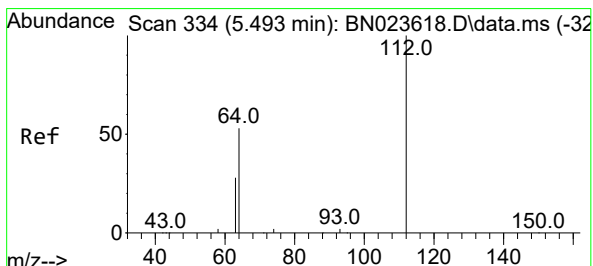
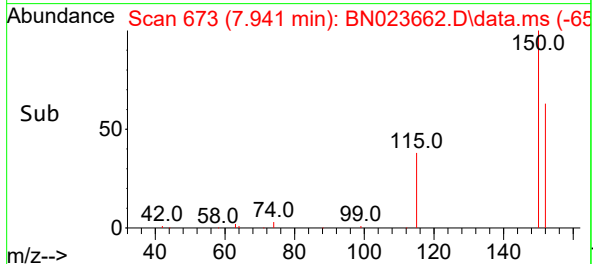
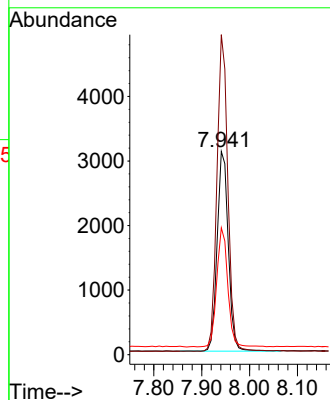
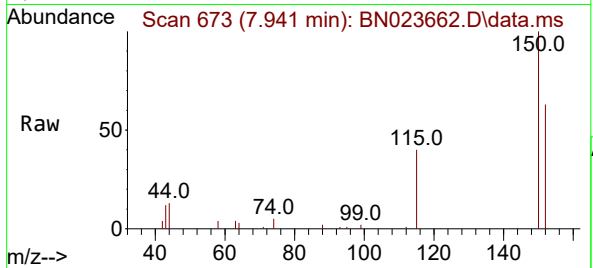
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.941 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

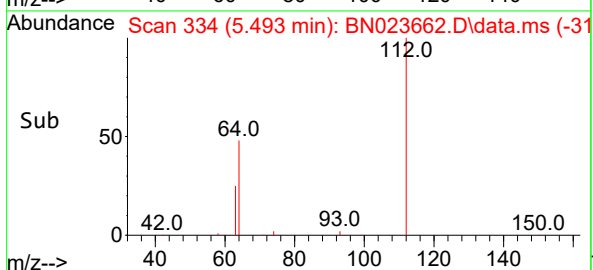
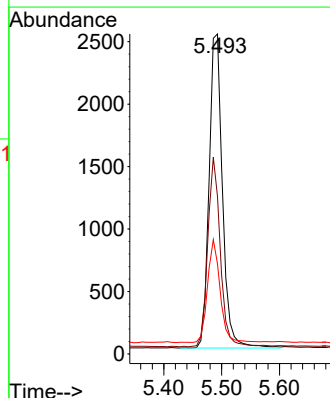
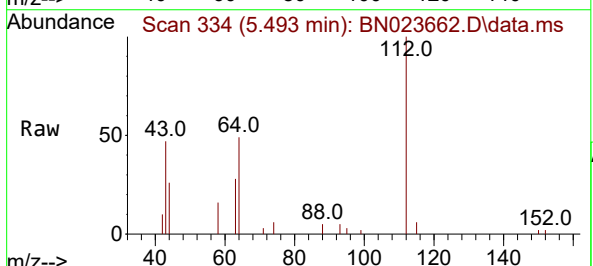
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ClientSampleId :
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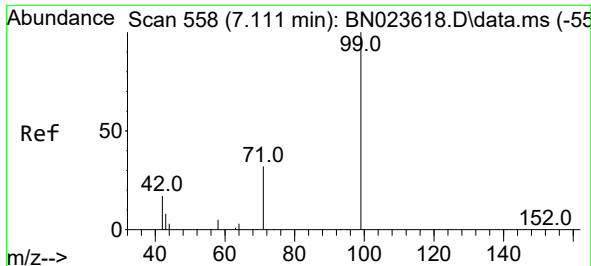
Tgt Ion:152 Resp: 4991
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.8
115 62.5 50.6 75.8



#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.493 min Scan# 334
Delta R.T. 0.007 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:112 Resp: 4056
Ion Ratio Lower Upper
112 100
64 56.6 44.9 67.3
63 30.9 24.9 37.3

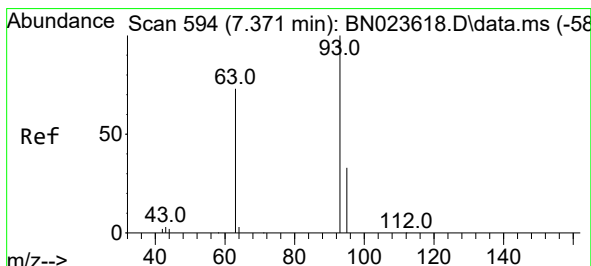
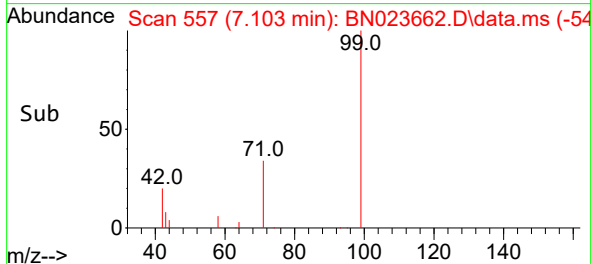
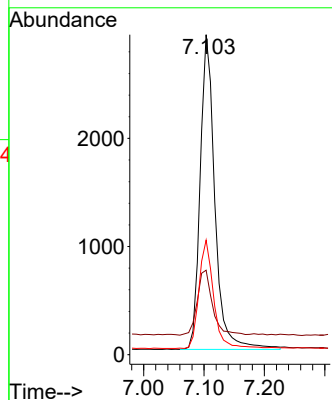
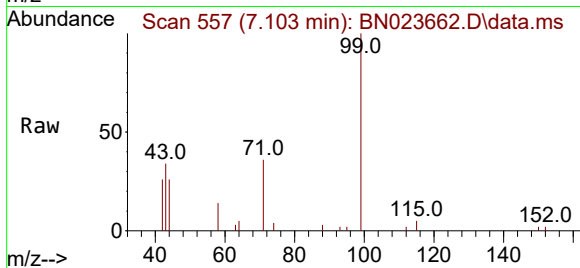




#5
Phenol-d6
Concen: 0.386 ng
RT: 7.103 min Scan# 511
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

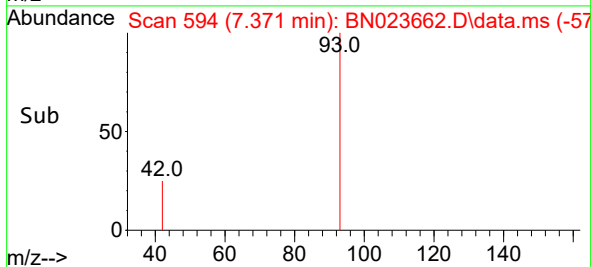
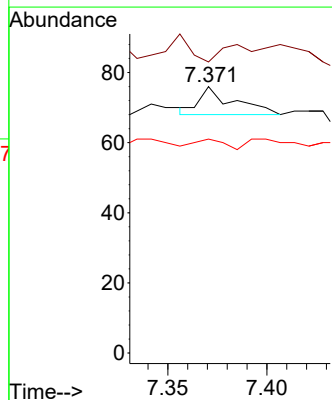
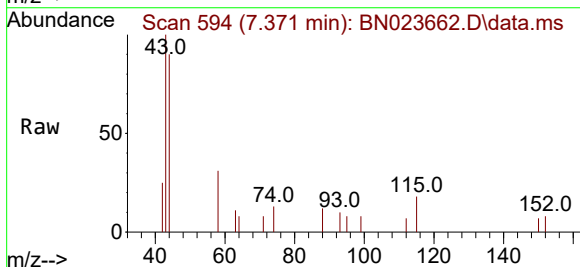
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ClientSampleId :
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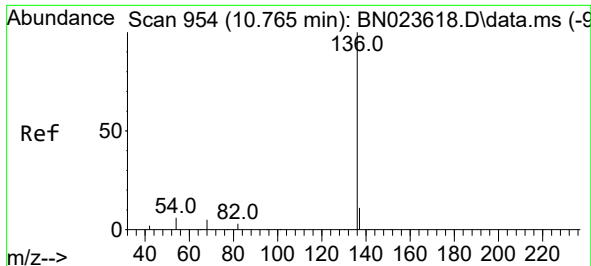
Tgt Ion: 99 Resp: 4925
Ion Ratio Lower Upper
99 100
42 21.4 18.8 28.2
71 34.3 28.2 42.4



#6
bis(2-Chloroethyl)ether
Concen: 0.001 ng
RT: 7.371 min Scan# 594
Delta R.T. 0.007 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion: 93 Resp: 10
Ion Ratio Lower Upper
93 100
63 70.0 59.6 89.4
95 30.0 25.3 37.9

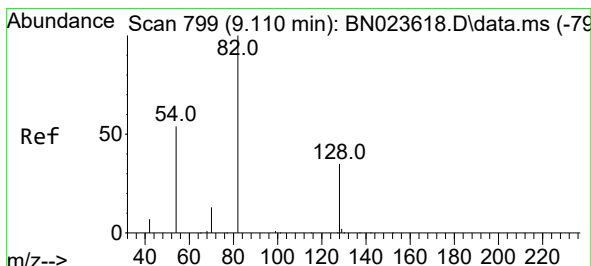
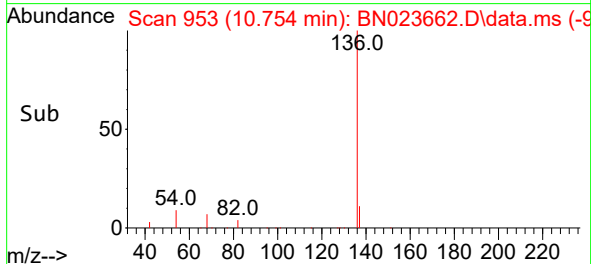
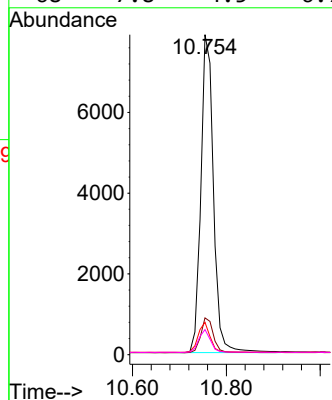
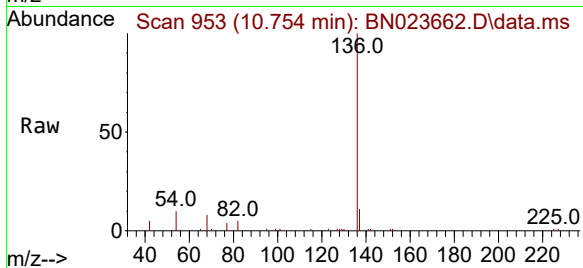




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.754 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

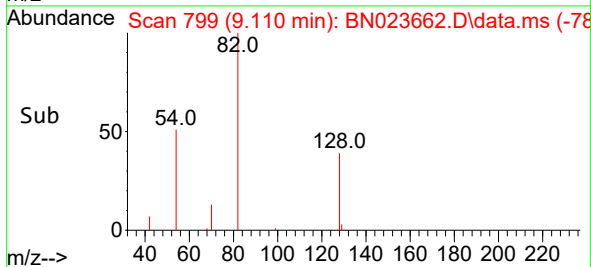
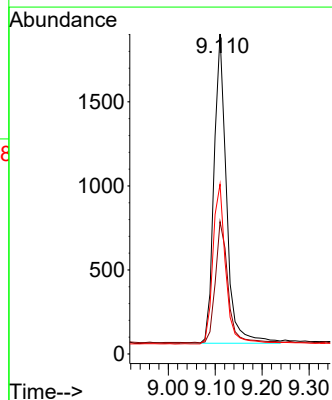
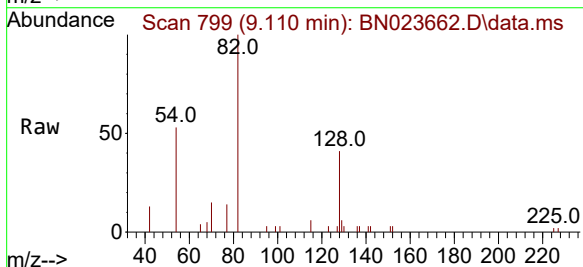
Instrument :
BNA_N
ClientSampleId :
PB150194BL

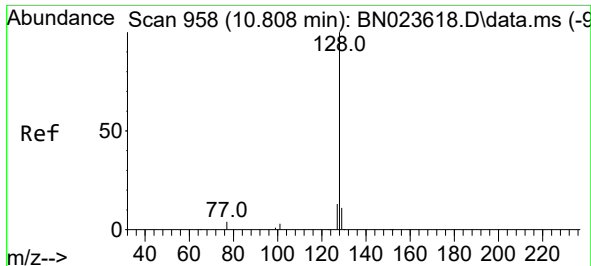
Tgt Ion:136 Resp: 14718
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 10.1 5.7 8.5#
68 7.8 4.5 6.7#



#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 9.110 min Scan# 799
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion: 82 Resp: 3408
Ion Ratio Lower Upper
82 100
128 41.3 29.8 44.8
54 53.0 43.9 65.9

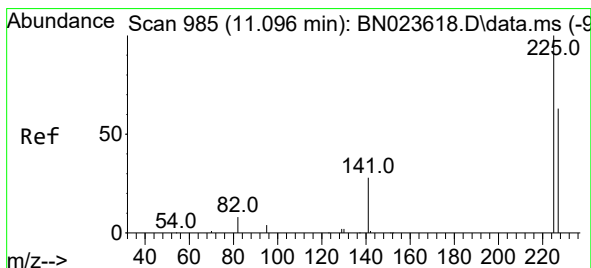
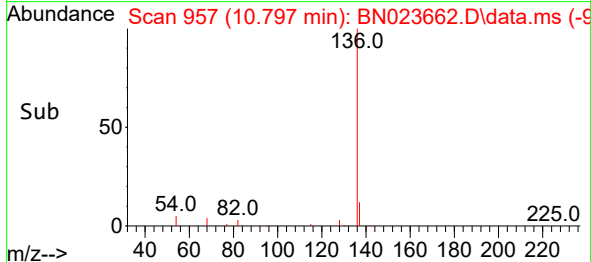
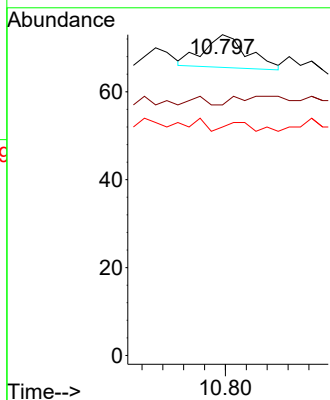
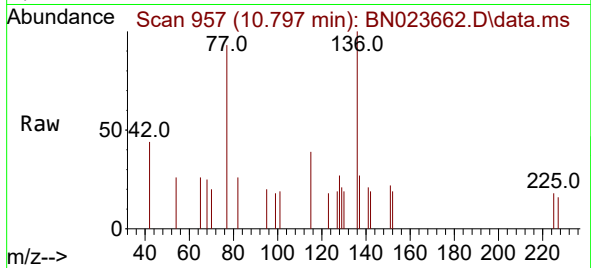




#9
Naphthalene
Concen: 0.001 ng
RT: 10.797 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

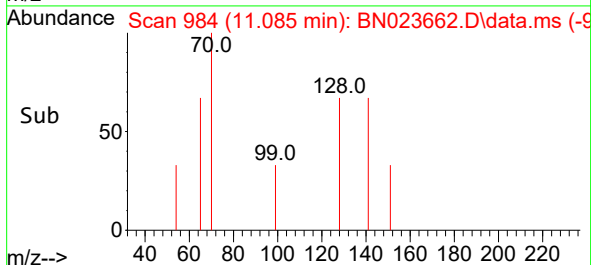
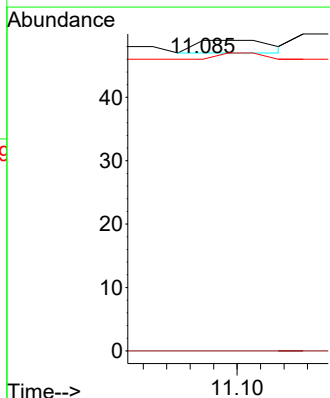
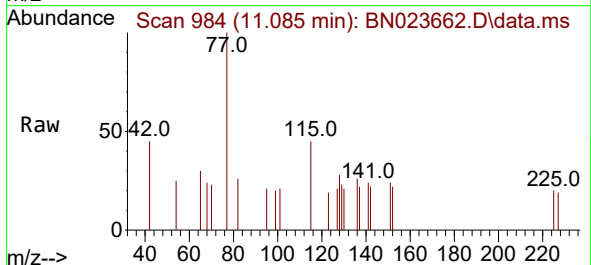
Instrument :
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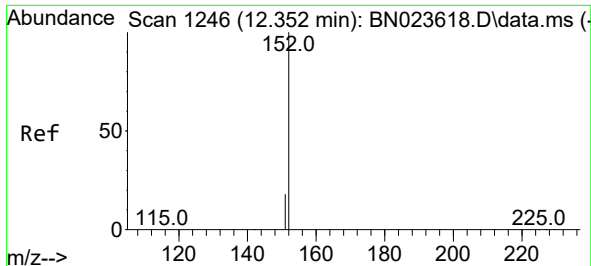
Tgt Ion:128 Resp: 21
Ion Ratio Lower Upper
128 100
129 78.1 9.2 13.8#
127 71.2 11.0 16.4#



#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 11.085 min Scan# 984
Delta R.T. -0.011 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:225 Resp: 4
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 25.0 51.8 77.6#

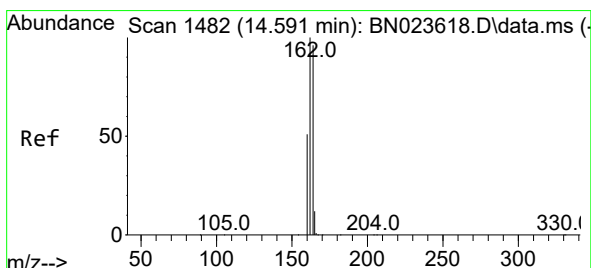
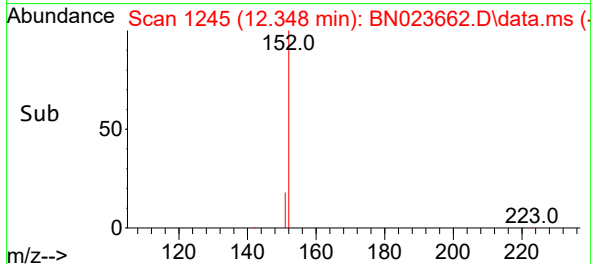
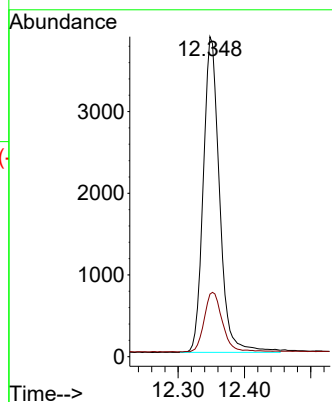
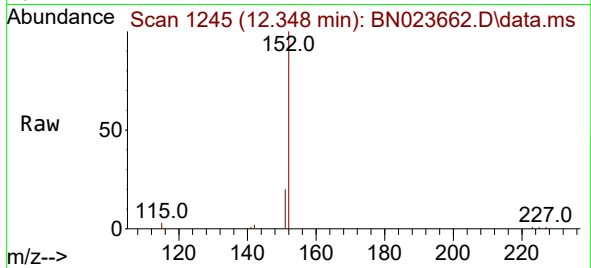




#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.348 min Scan# 1245
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

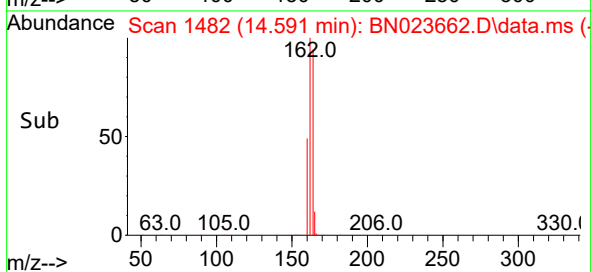
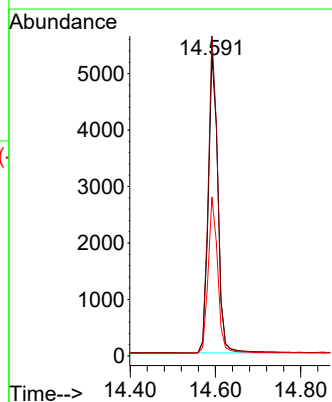
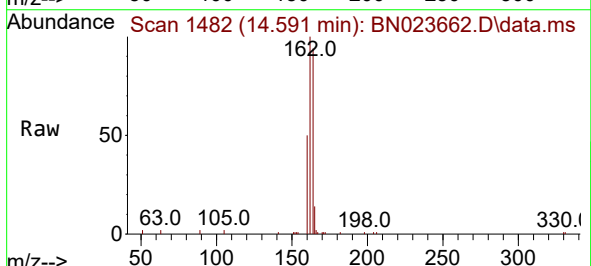
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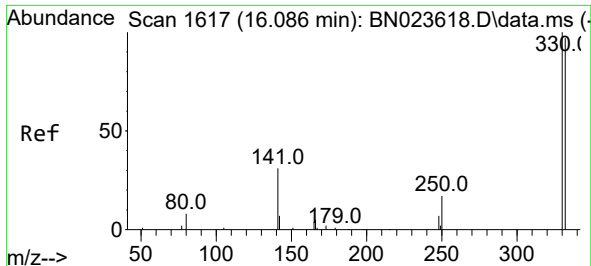
Tgt Ion:152 Resp: 6593
Ion Ratio Lower Upper
152 100
151 21.1 16.9 25.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.591 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

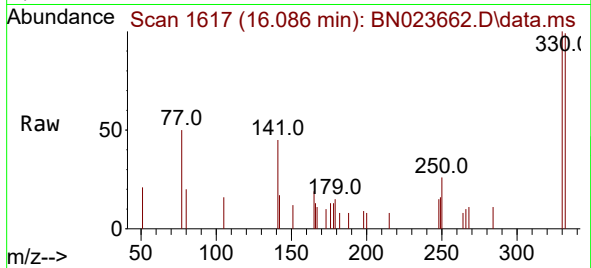
Tgt Ion:164 Resp: 8295
Ion Ratio Lower Upper
164 100
162 106.3 83.4 125.2
160 52.8 42.7 64.1



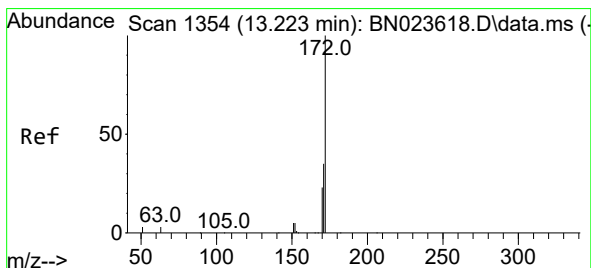
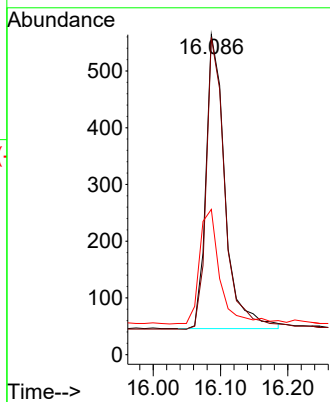
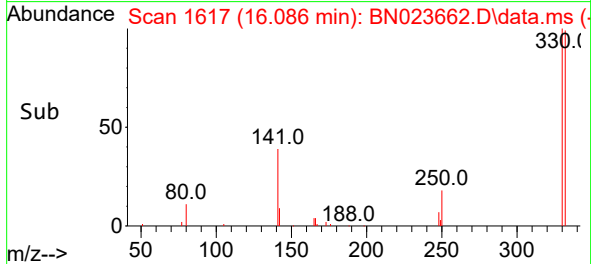


#14
2,4,6-Tribromophenol
Concen: 0.284 ng
RT: 16.086 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

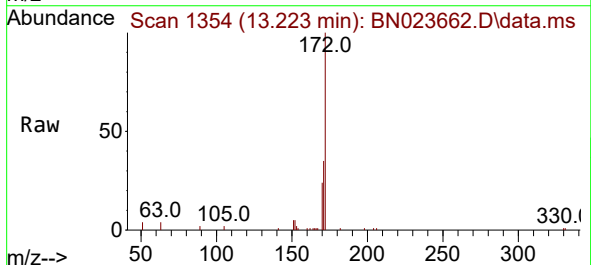
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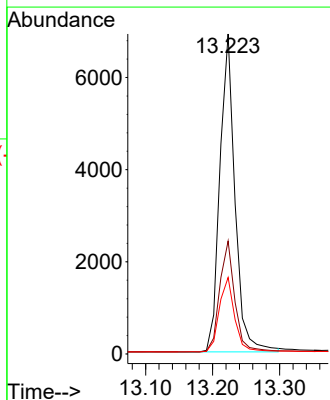
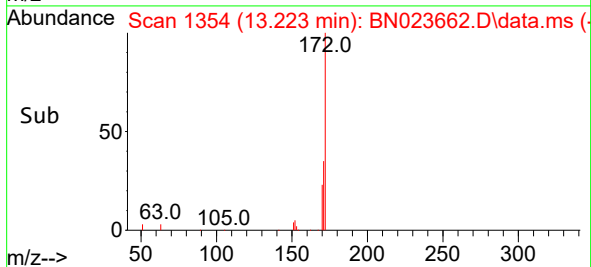
Tgt Ion:330 Resp: 1019
Ion Ratio Lower Upper
330 100
332 97.2 78.1 117.1
141 41.7 33.4 50.0

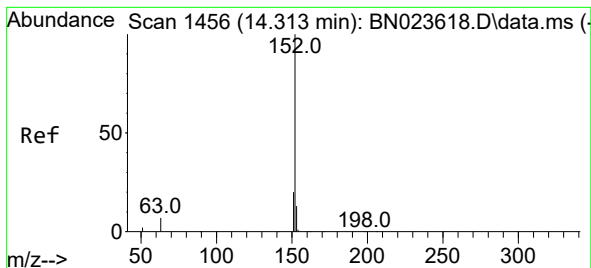


#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 13.223 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01



Tgt Ion:172 Resp: 10863
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.9 19.0 28.4





#16

Acenaphthylene

Concen: 0.001 ng

RT: 14.313 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PB150194BL

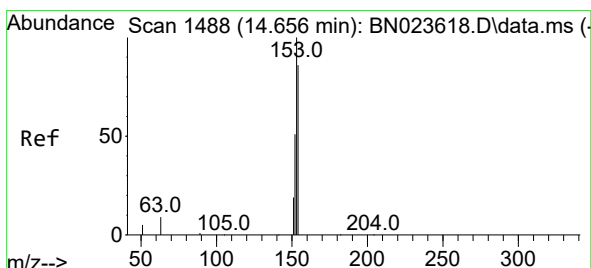
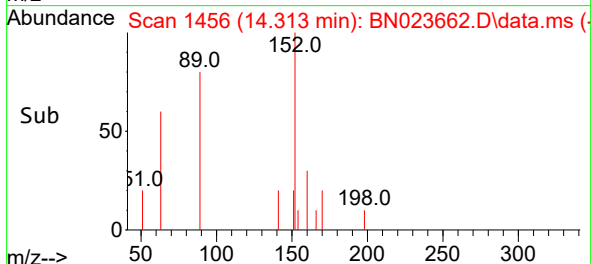
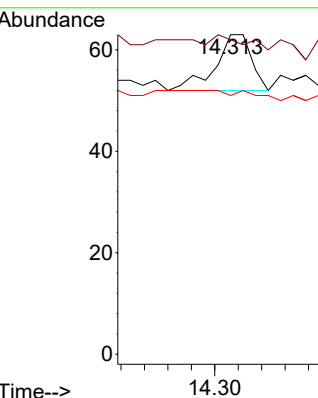
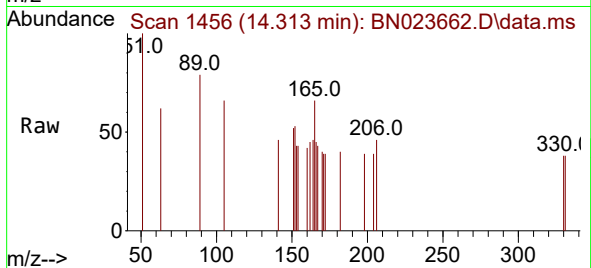
Tgt Ion:152 Resp: 24

Ion Ratio Lower Upper

152 100

151 0.0 15.6 23.4#

153 0.0 10.5 15.7#



#17

Acenaphthene

Concen: 0.001 ng

RT: 14.656 min Scan# 1488

Delta R.T. 0.000 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

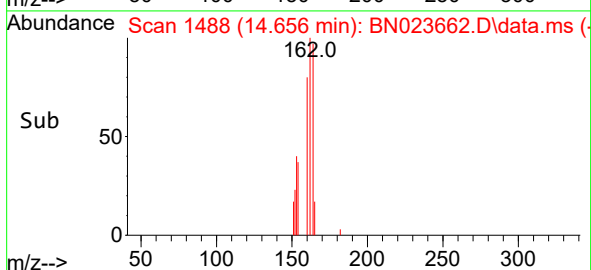
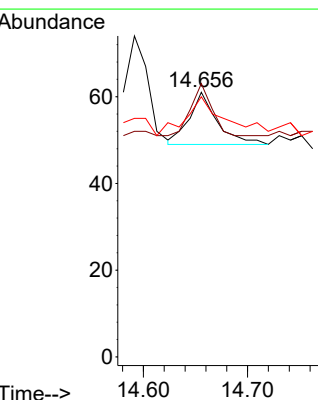
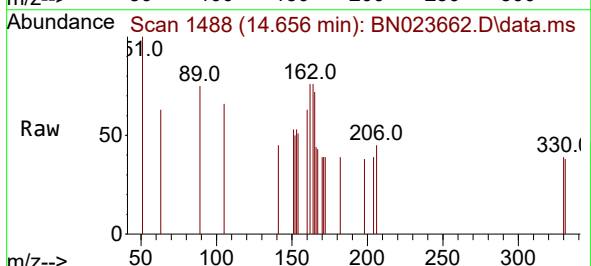
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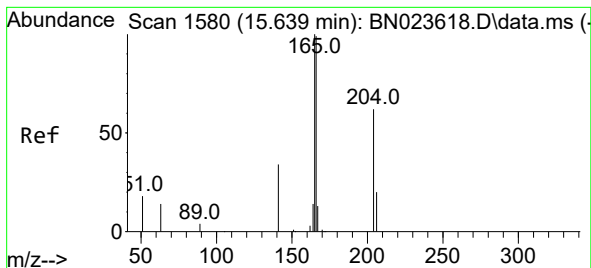
Ion Ratio Lower Upper

154 100

153 77.3 92.4 138.6#

152 109.1 48.2 72.2#





#18

Fluorene

Concen: 0.003 ng

RT: 15.650 min Scan# 1580

Delta R.T. 0.011 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PB150194BL

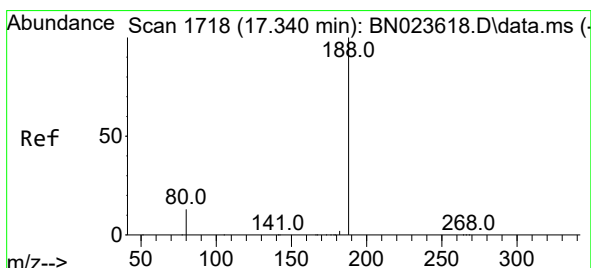
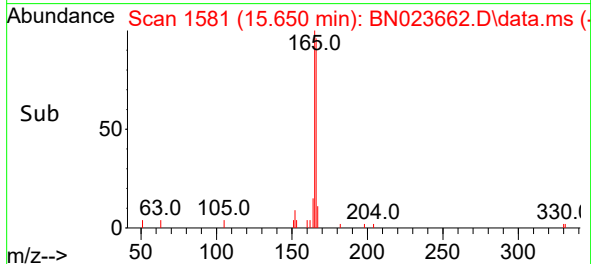
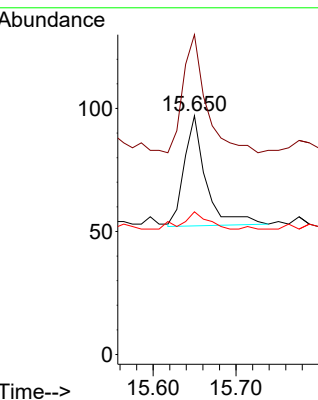
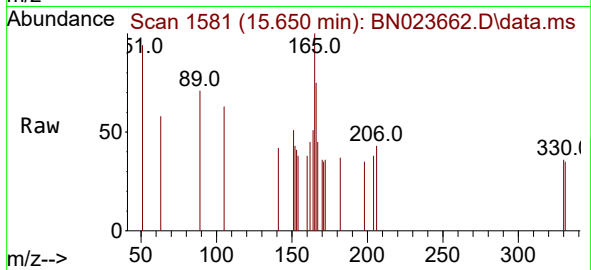
Tgt Ion:166 Resp: 84

Ion Ratio Lower Upper

166 100

165 113.1 80.4 120.6

167 20.2 10.6 16.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.340 min Scan# 1718

Delta R.T. 0.000 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

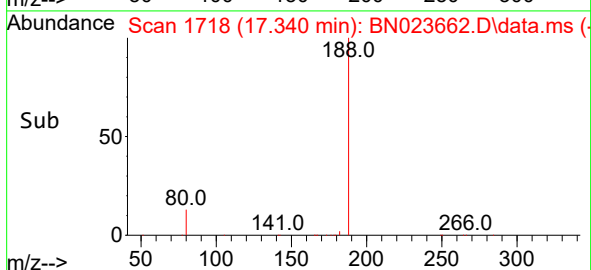
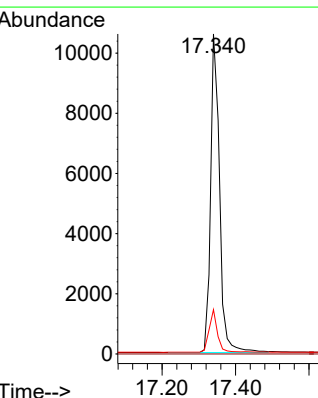
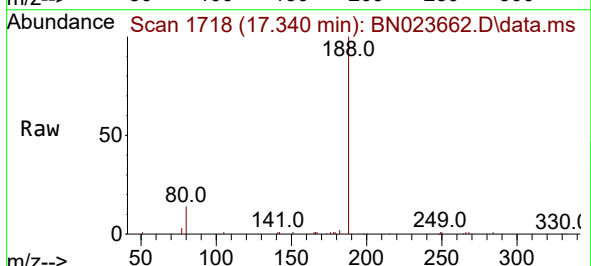
Tgt Ion:188 Resp: 17872

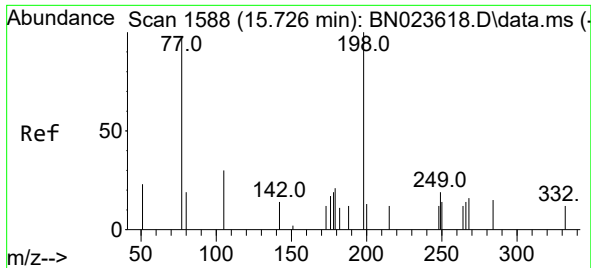
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.9 11.0 16.4

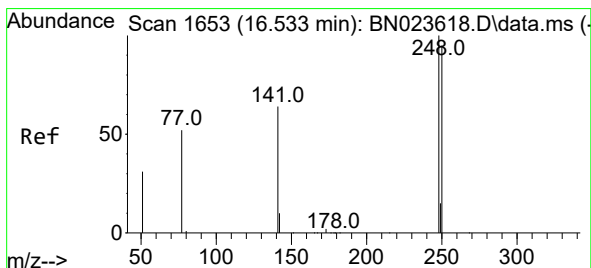
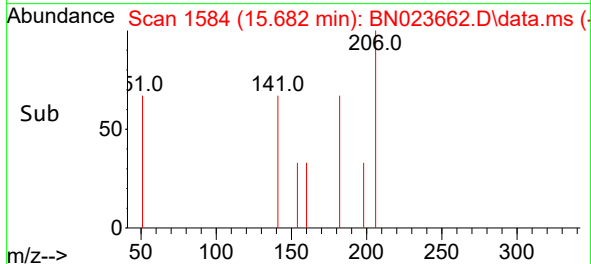
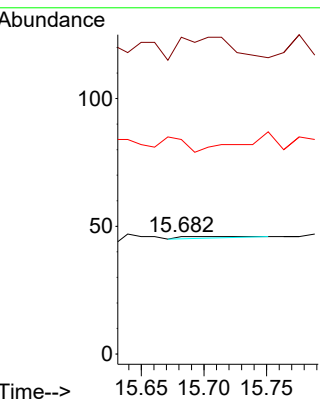
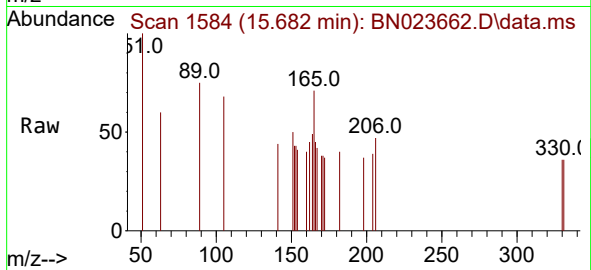




#20
4,6-Dinitro-2-methylphenol
Concen: 0.001 ng
RT: 15.682 min Scan# 1584
Delta R.T. -0.044 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

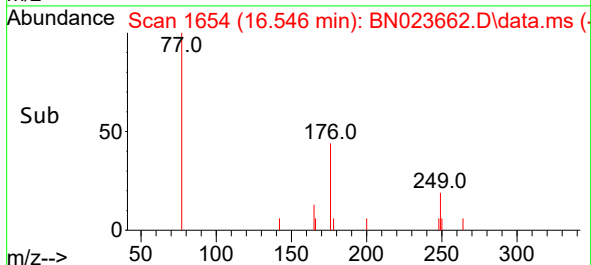
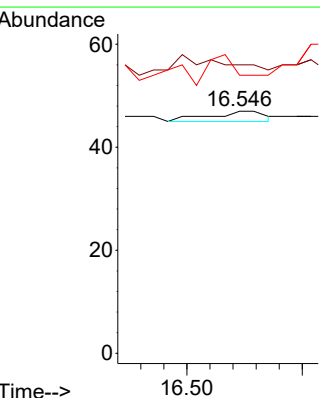
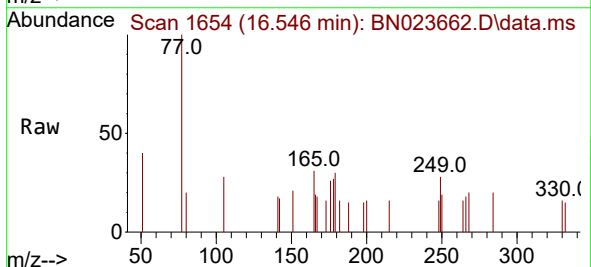
Instrument :
BNA_N
ClientSampleId :
PB150194BL

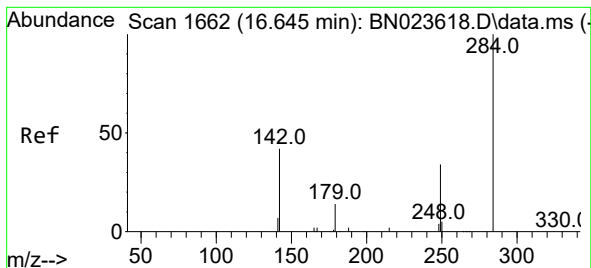
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 269.6 44.9 67.3#
105 182.6 37.0 55.4#



#21
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 16.546 min Scan# 1654
Delta R.T. 0.012 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:248 Resp: 7
Ion Ratio Lower Upper
248 100
250 119.1 76.6 114.8#
141 114.9 52.3 78.5#

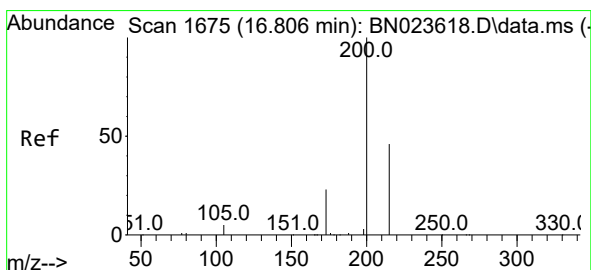
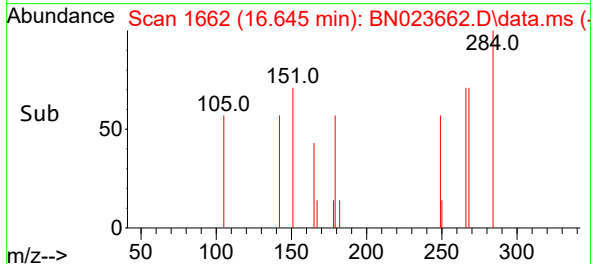
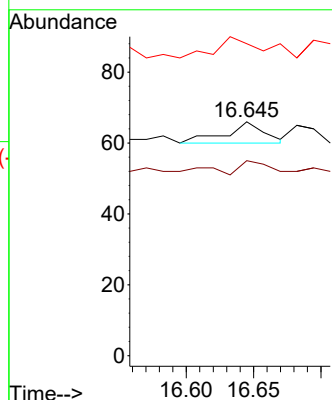
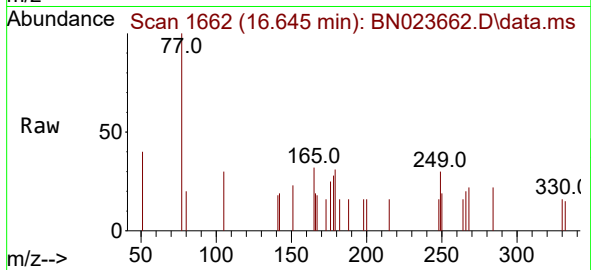




#22
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.645 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

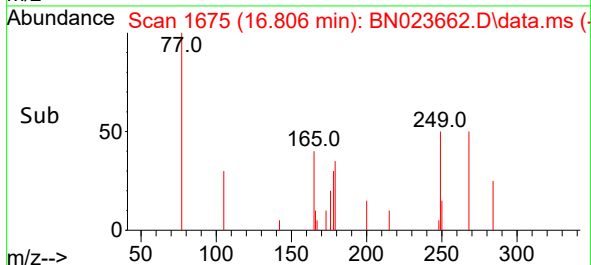
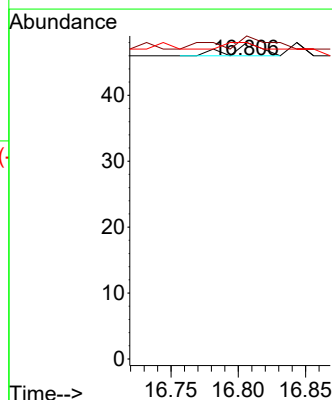
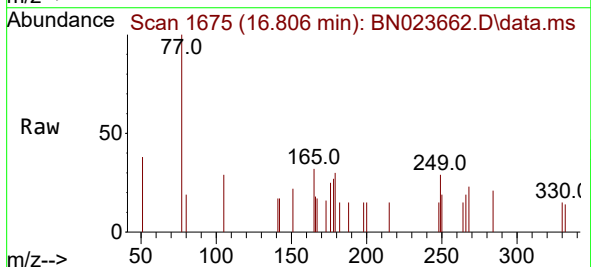
Instrument :
BNA_N
ClientSampleId :
PB150194BL

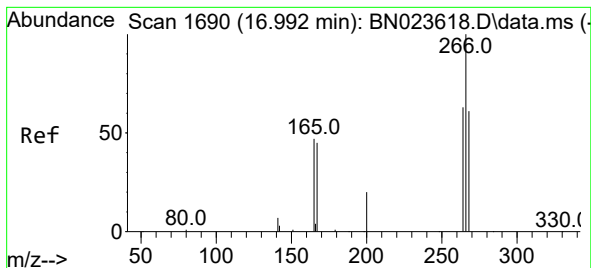
Tgt Ion:284 Resp: 12
Ion Ratio Lower Upper
284 100
142 33.3 31.4 47.2
249 116.7 24.9 37.3#



#23
Atrazine
Concen: 0.000 ng
RT: 16.806 min Scan# 1675
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:200 Resp: 3
Ion Ratio Lower Upper
200 100
173 102.1 20.4 30.6#
215 100.0 38.1 57.1#





#24

Pentachlorophenol

Concen: 0.009 ng

RT: 17.005 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PB150194BL

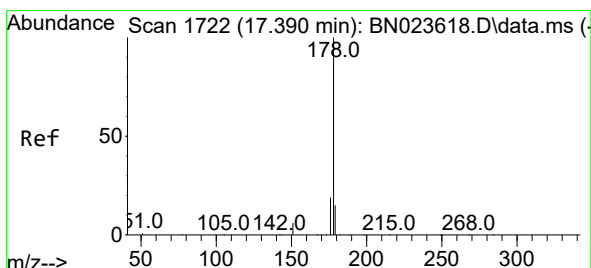
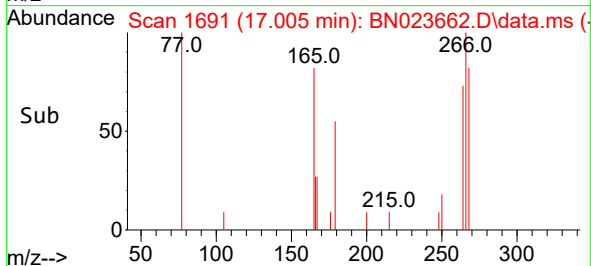
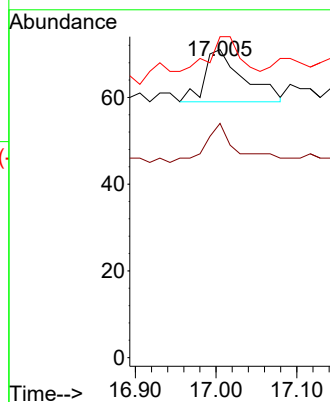
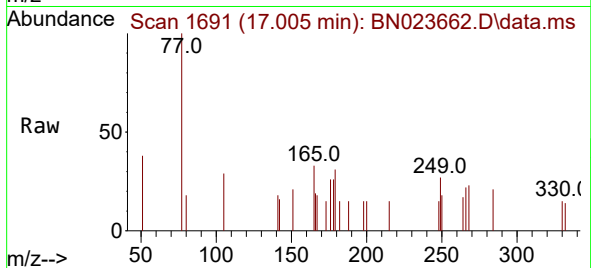
Tgt Ion:266 Resp: 40

Ion Ratio Lower Upper

266 100

264 62.5 49.7 74.5

268 47.5 49.3 73.9#



#25

Phenanthrene

Concen: 0.003 ng

RT: 17.477 min Scan# 1729

Delta R.T. 0.099 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

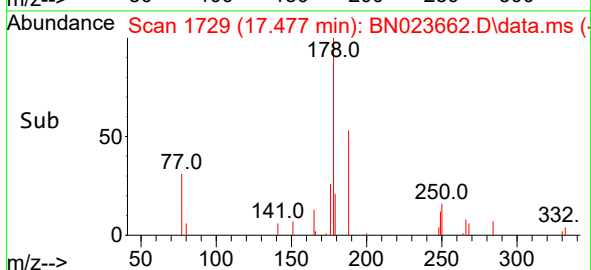
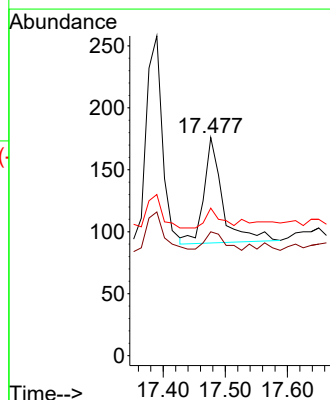
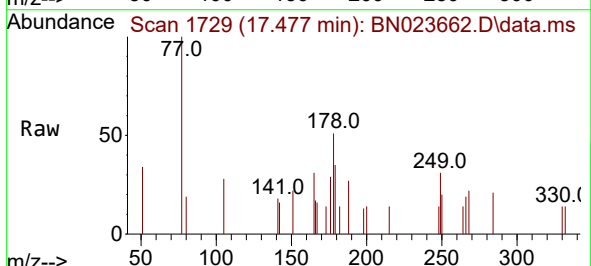
Tgt Ion:178 Resp: 178

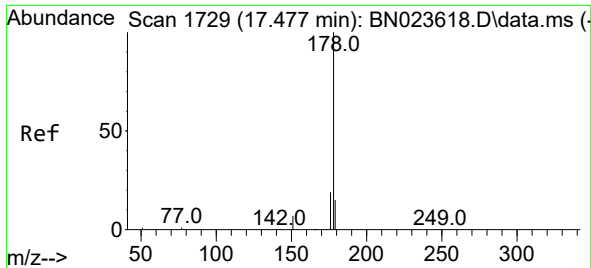
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 14.6 12.5 18.7

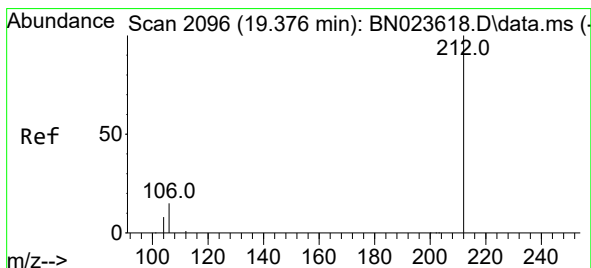
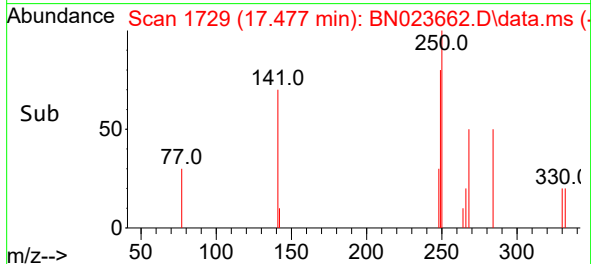
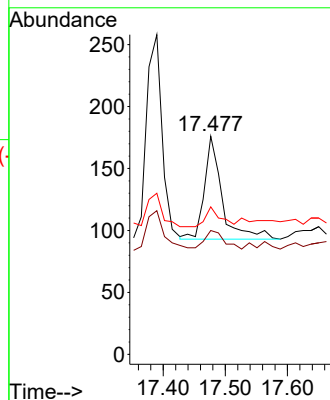
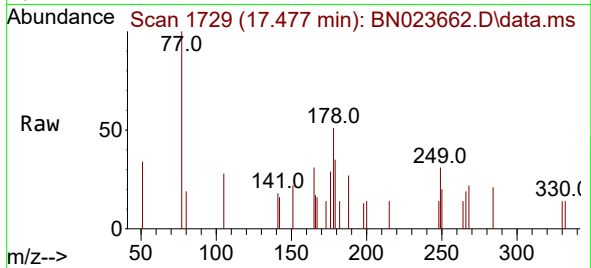




#26
 Anthracene
 Concen: 0.004 ng
 RT: 17.477 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

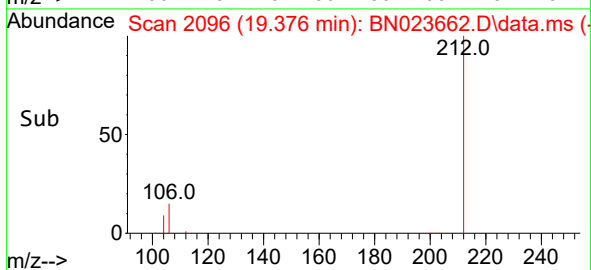
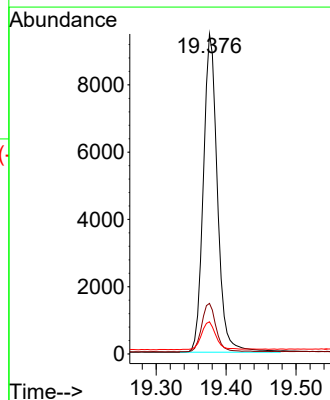
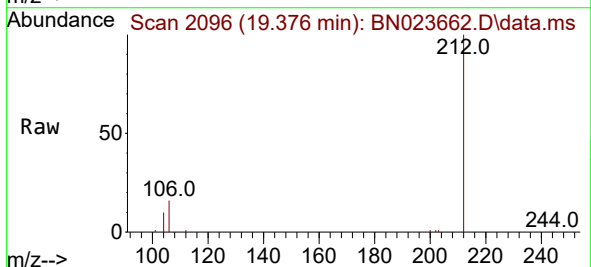
Instrument :
 BNA_N
 ClientSampleId :
 PB150194BL

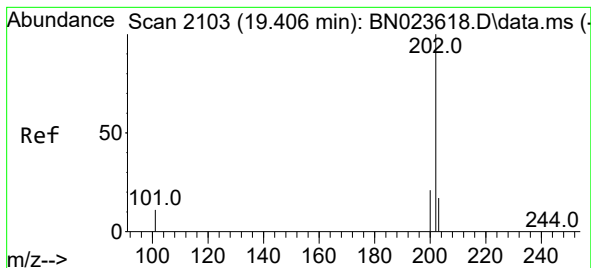
Tgt Ion:	178	Resp:	164
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.9	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.303 ng
 RT: 19.376 min Scan# 2096
 Delta R.T. 0.000 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

Tgt Ion:	212	Resp:	13260
Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.2	18.4
104	9.0	7.1	10.7





#28

Fluoranthene

Concen: 0.008 ng

RT: 19.410 min Scan# 2104

Delta R.T. 0.004 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PB150194BL

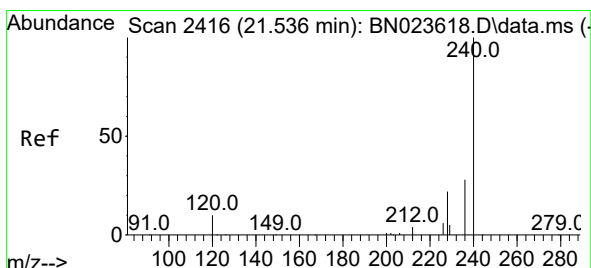
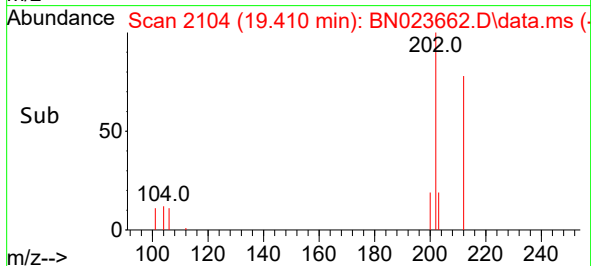
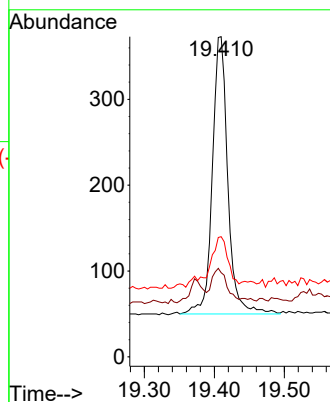
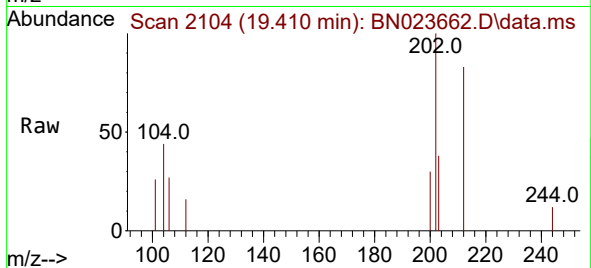
Tgt Ion:202 Resp: 496

Ion Ratio Lower Upper

202 100

101 9.9 9.7 14.5

203 17.3 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.536 min Scan# 2416

Delta R.T. 0.000 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

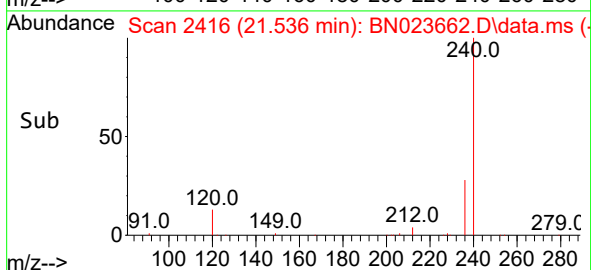
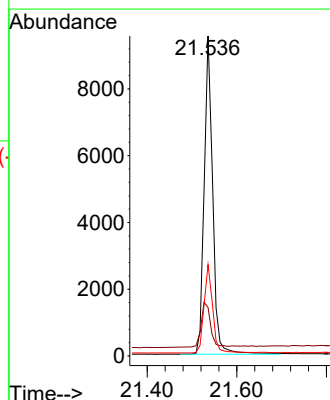
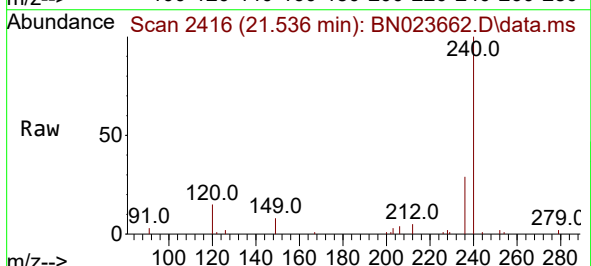
Tgt Ion:240 Resp: 12646

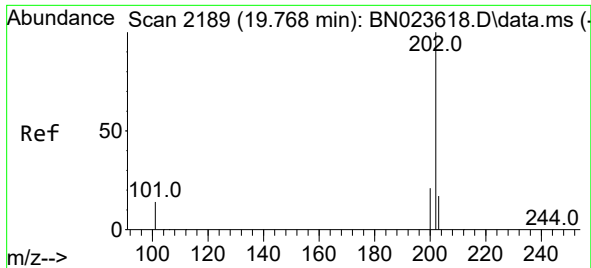
Ion Ratio Lower Upper

240 100

120 15.1 10.6 15.8

236 28.6 23.0 34.6

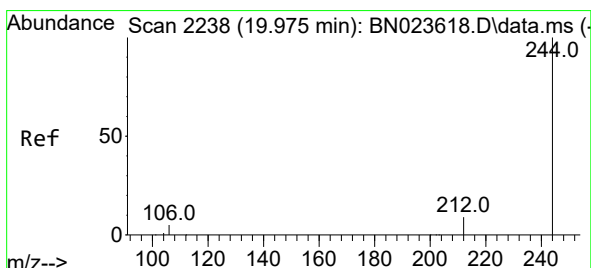
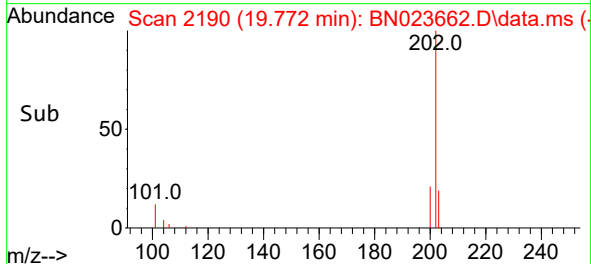
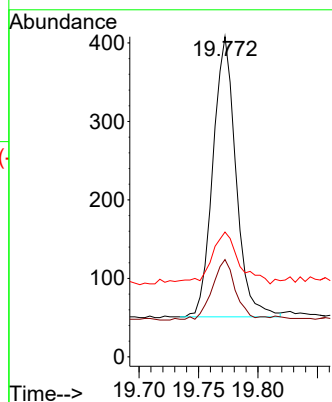
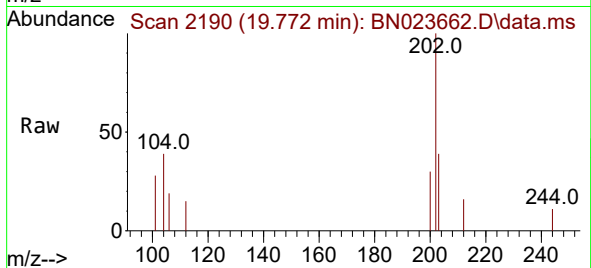




#30
 Pyrene
 Concen: 0.010 ng
 RT: 19.772 min Scan# 2189
 Delta R.T. 0.000 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

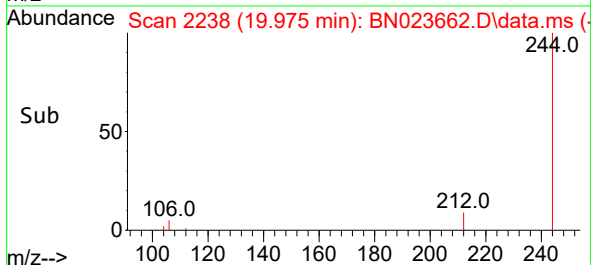
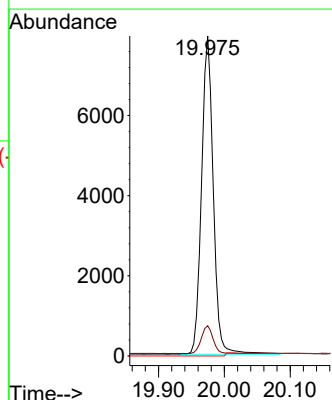
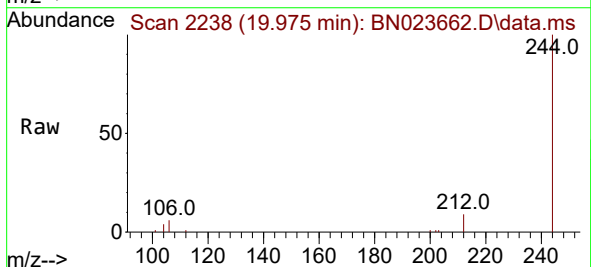
Instrument :
 BNA_N
 ClientSampleId :
 PB150194BL

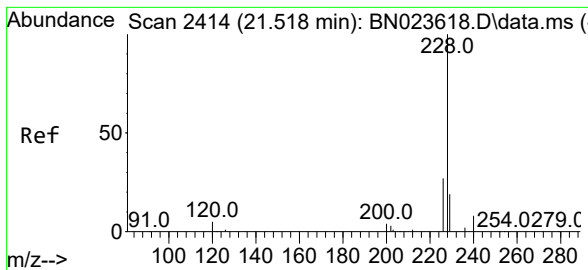
Tgt Ion:202 Resp: 480
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.0 25.4
 203 22.3 14.2 21.2#



#31
 Terphenyl-d14
 Concen: 0.420 ng
 RT: 19.975 min Scan# 2238
 Delta R.T. 0.000 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

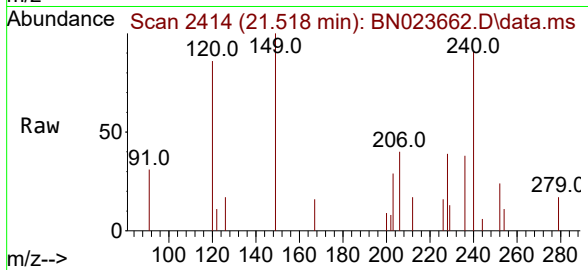
Tgt Ion:244 Resp: 13462
 Ion Ratio Lower Upper
 244 100
 212 9.5 7.5 11.3
 122 0.0 0.0 0.0



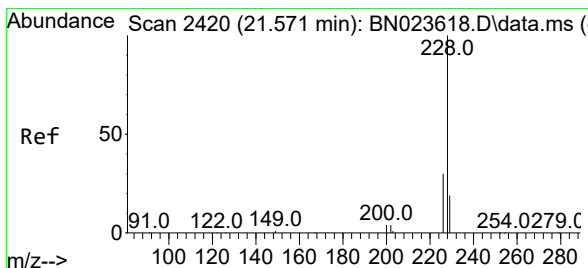
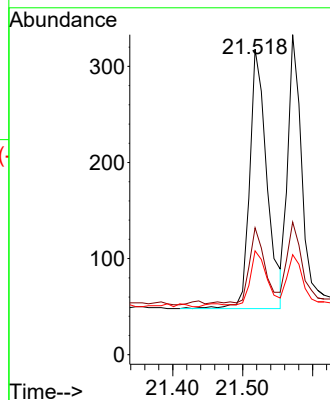
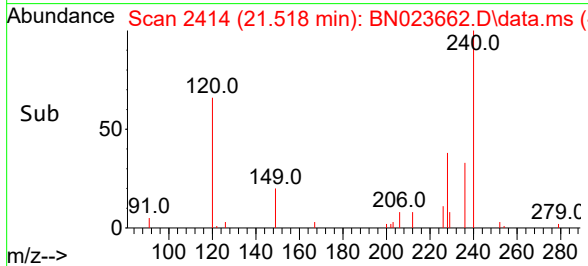


#32
Benzo(a)anthracene
Concen: 0.011 ng
RT: 21.518 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

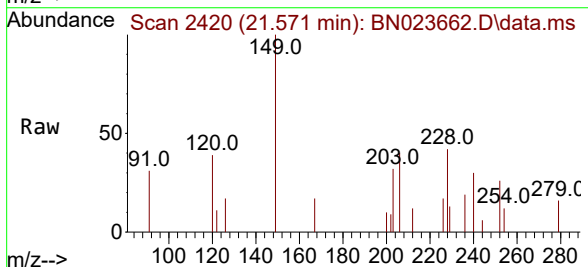
Instrument :
BNA_N
ClientSampleId :
PB150194BL



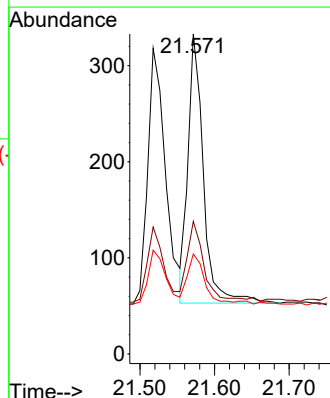
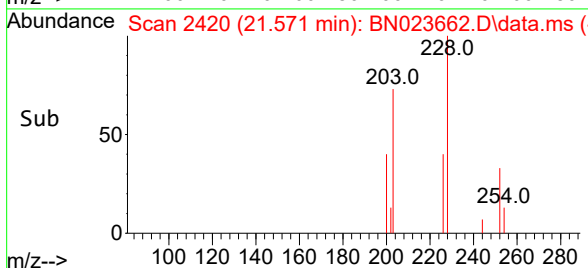
Tgt Ion:228 Resp: 463
Ion Ratio Lower Upper
228 100
226 41.5 22.2 33.2#
229 34.0 15.7 23.5#

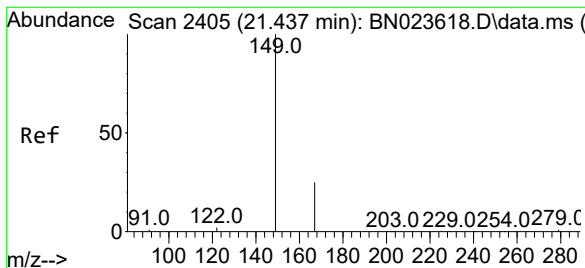


#33
Chrysene
Concen: 0.009 ng
RT: 21.571 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01



Tgt Ion:228 Resp: 401
Ion Ratio Lower Upper
228 100
226 41.4 24.4 36.6#
229 31.2 15.6 23.4#

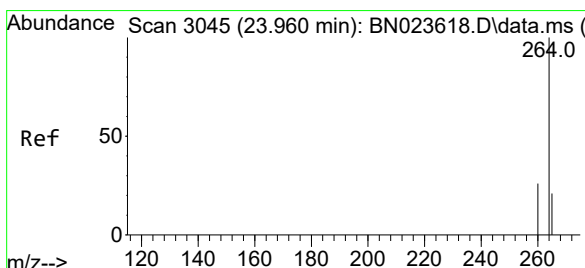
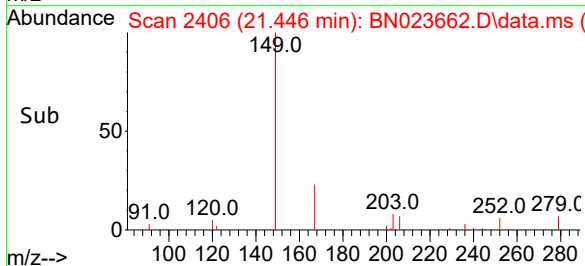
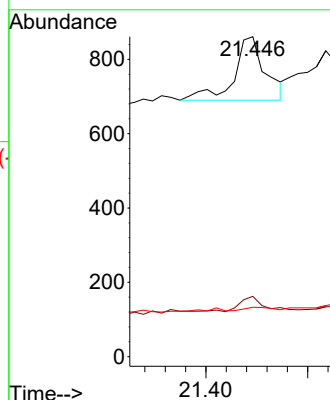
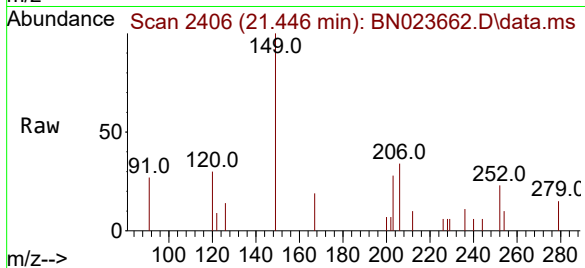




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.019 ng
 RT: 21.446 min Scan# 2406
 Delta R.T. 0.000 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

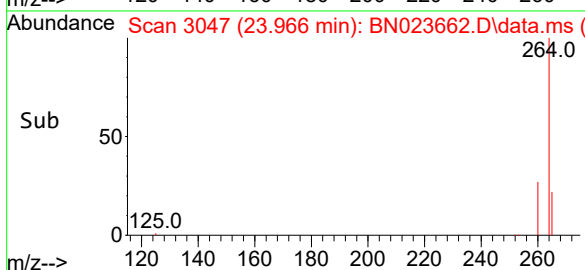
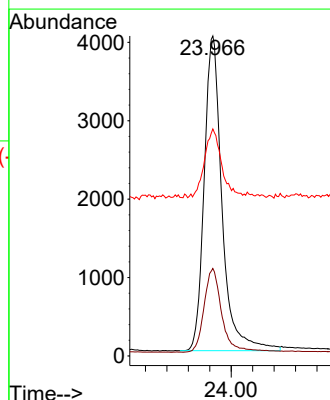
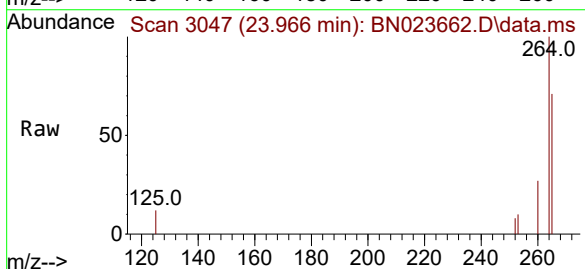
Instrument :
 BNA_N
 ClientSampleId :
 PB150194BL

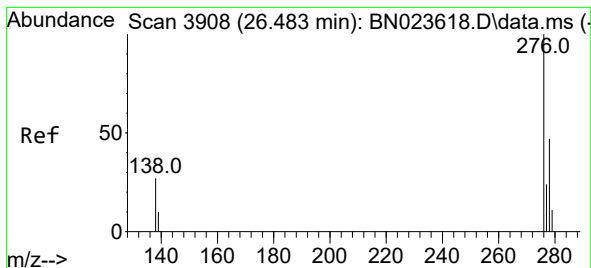
Tgt Ion:149 Resp: 362
 Ion Ratio Lower Upper
 149 100
 167 18.5 20.6 30.8#
 279 5.2 2.6 4.0#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.966 min Scan# 3047
 Delta R.T. 0.003 min
 Lab File: BN023662.D
 Acq: 16 Jan 2023 13:01

Tgt Ion:264 Resp: 9282
 Ion Ratio Lower Upper
 264 100
 260 27.4 21.4 32.2
 265 71.0 56.6 85.0

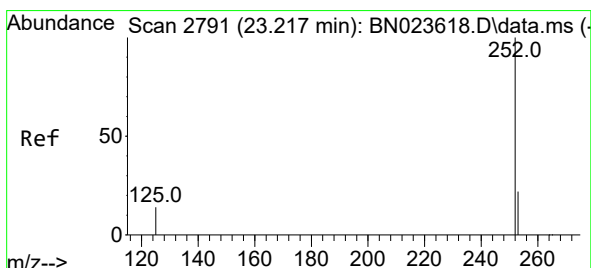
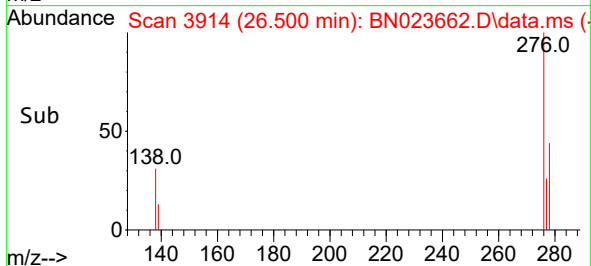
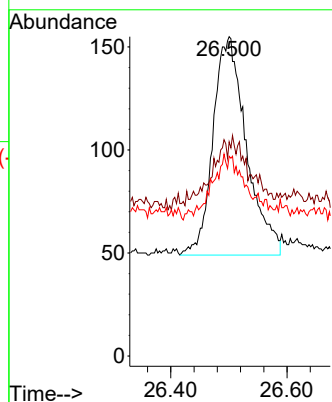
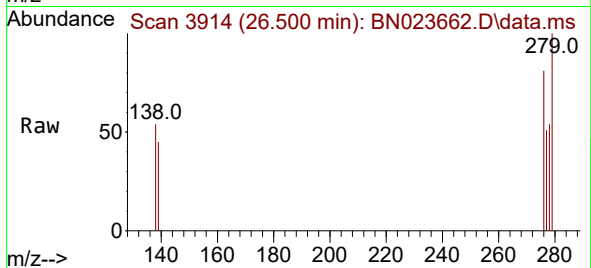




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.010 ng
RT: 26.500 min Scan# 3914
Delta R.T. 0.012 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

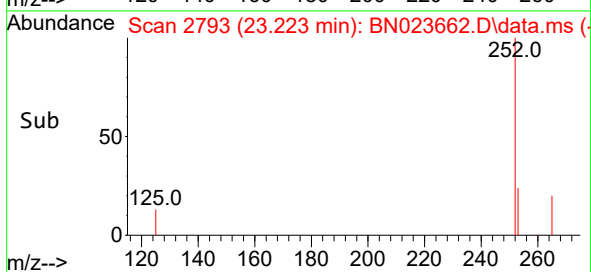
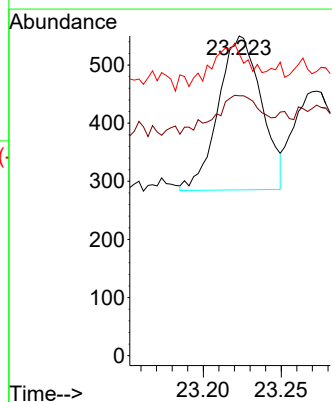
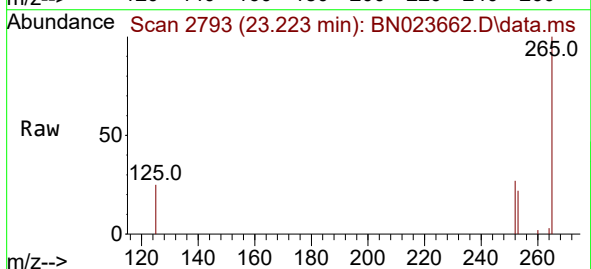
Instrument :
BNA_N
ClientSampleId :
PB150194BL

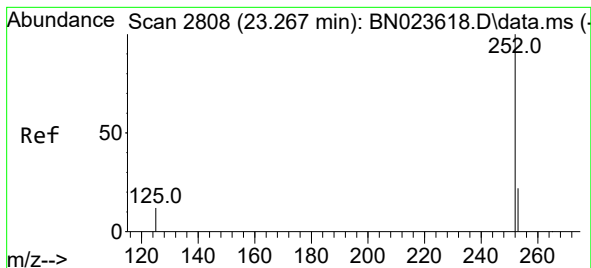
Tgt Ion:276 Resp: 423
Ion Ratio Lower Upper
276 100
138 9.5 23.8 35.8#
277 8.7 19.8 29.6#



#37
Benzo(b)fluoranthene
Concen: 0.013 ng
RT: 23.223 min Scan# 2793
Delta R.T. 0.003 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:252 Resp: 510
Ion Ratio Lower Upper
252 100
253 81.3 20.0 30.0#
125 94.4 14.4 21.6#





#38

Benzo(k)fluoranthene

Concen: 0.008 ng

RT: 23.273 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

Instrument :

BNA_N

ClientSampleId :

PB150194BL

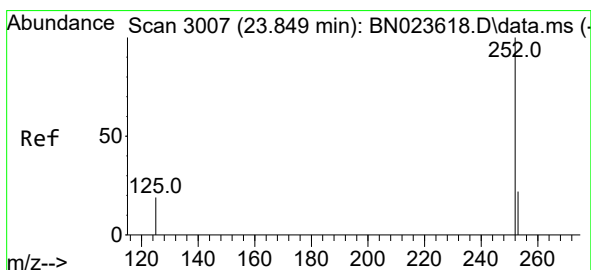
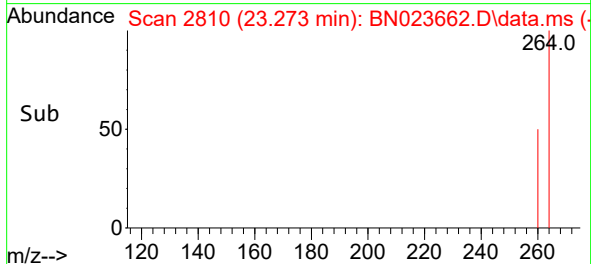
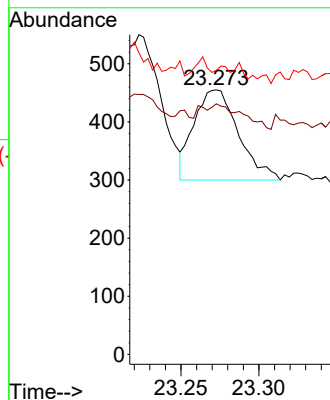
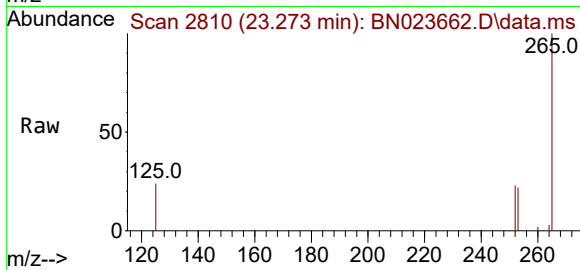
Tgt Ion:252 Resp: 308

Ion Ratio Lower Upper

252 100

253 94.7 20.2 30.2#

125 107.5 13.0 19.4#



#39

Benzo(a)pyrene

Concen: 0.010 ng

RT: 23.857 min Scan# 3010

Delta R.T. 0.003 min

Lab File: BN023662.D

Acq: 16 Jan 2023 13:01

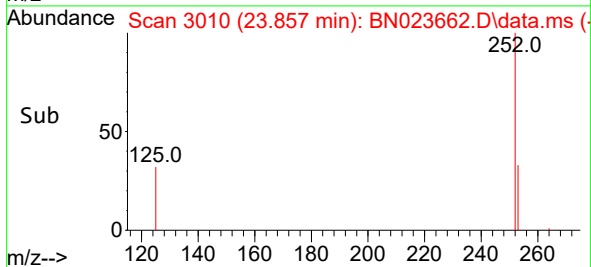
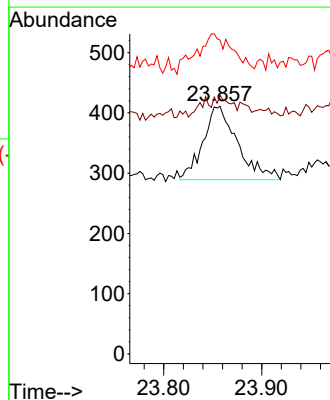
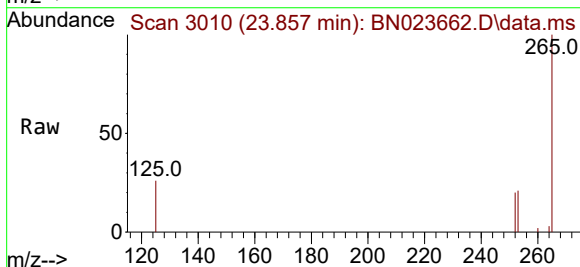
Tgt Ion:252 Resp: 299

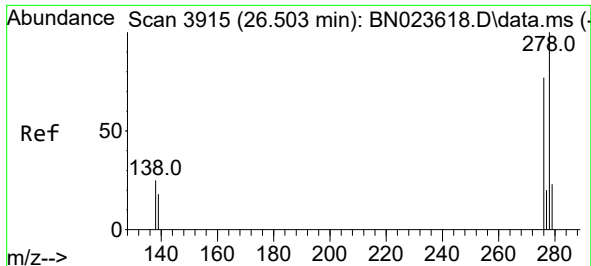
Ion Ratio Lower Upper

252 100

253 104.4 22.3 33.5#

125 126.8 21.2 31.8#

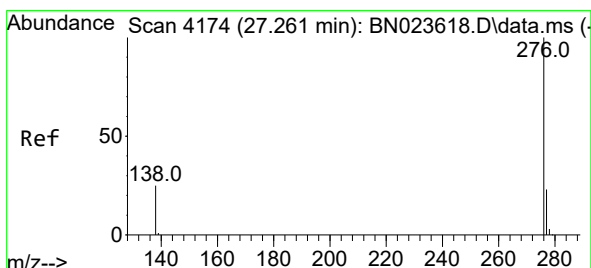
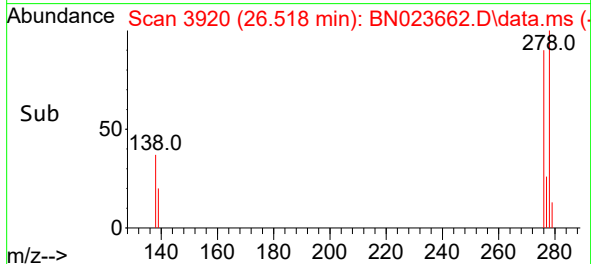
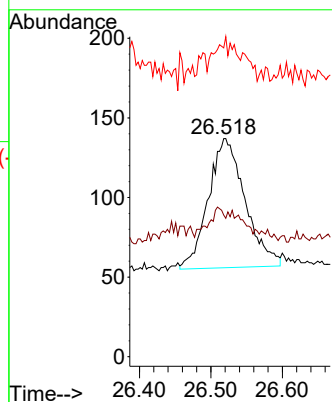
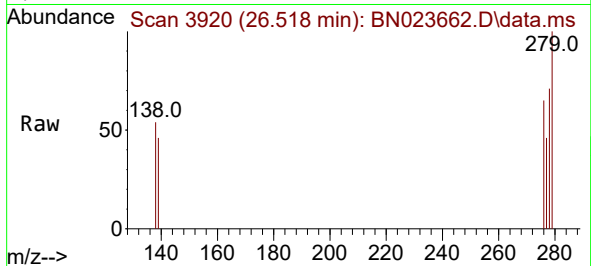




#40
Dibenzo(a,h)anthracene
Concen: 0.009 ng
RT: 26.518 min Scan# 3915
Delta R.T. 0.009 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Instrument :
BNA_N
ClientSampleId :
PB150194BL

Tgt Ion:278 Resp: 290
Ion Ratio Lower Upper
278 100
139 65.0 16.8 25.2#
279 141.6 21.5 32.3#



#41
Benzo(g,h,i)perylene
Concen: 0.004 ng
RT: 27.269 min Scan# 4177
Delta R.T. 0.003 min
Lab File: BN023662.D
Acq: 16 Jan 2023 13:01

Tgt Ion:276 Resp: 136
Ion Ratio Lower Upper
276 100
277 67.6 19.6 29.4#
138 73.5 21.5 32.3#

