

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026858.D
 Acq On : 08 Aug 2023 20:32
 Operator : MA/JU
 Sample : 03862-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: Aug 09 01:12:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 09 01:06:23 2023
 Response via : Initial Calibration

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

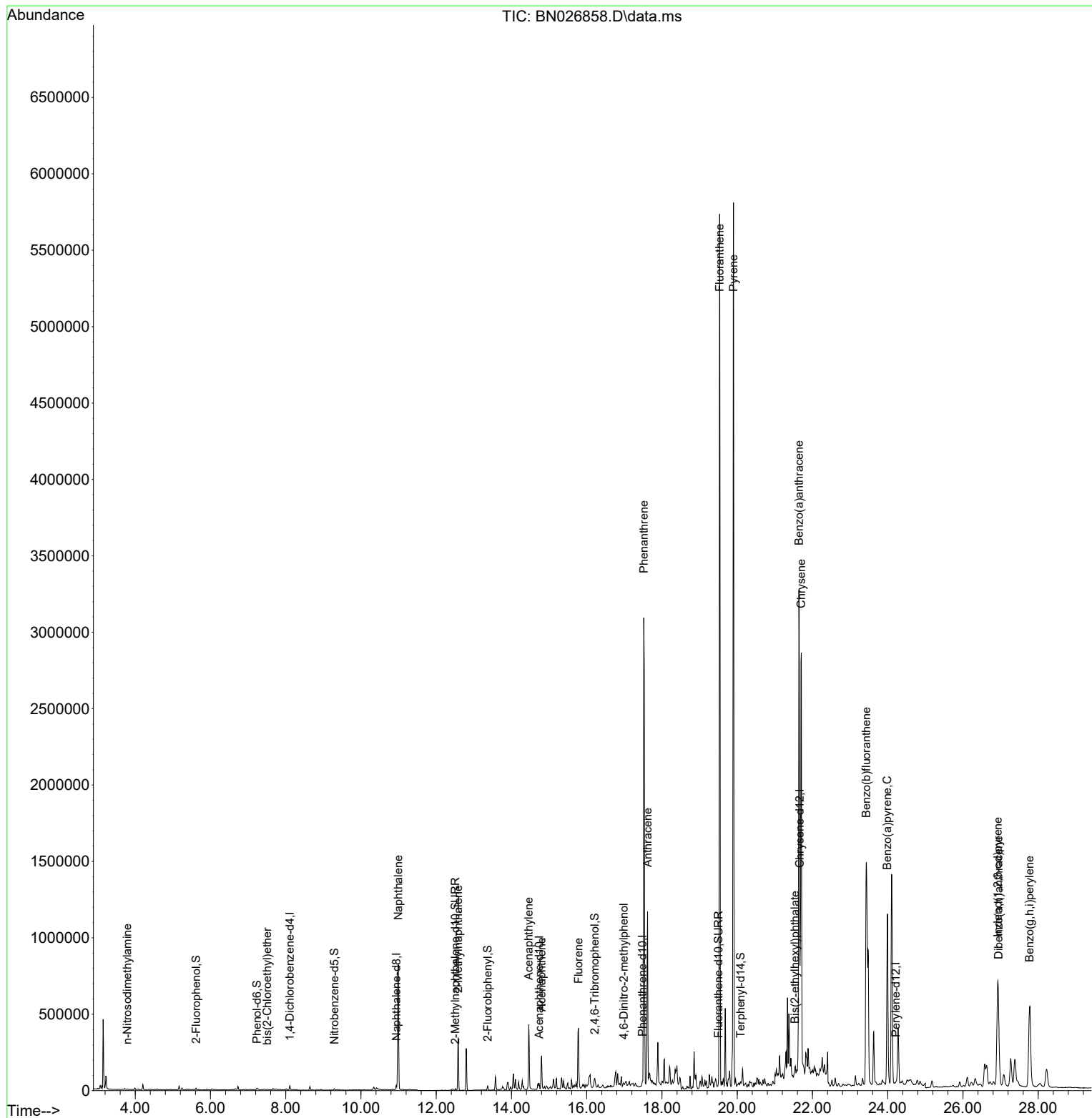
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	12809	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	41821	0.400	ng	# 0.00
13) Acenaphthene-d10	14.737	164	24146	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	45543	0.400	ng	0.00
29) Chrysene-d12	21.659	240	36295	0.400	ng	# 0.00
35) Perylene-d12	24.218	264	33851	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	8107	0.250	ng	0.00
5) Phenol-d6	7.235	99	10174	0.242	ng	0.00
8) Nitrobenzene-d5	9.294	82	5801	0.234	ng	0.00
11) 2-Methylnaphthalene-d10	12.510	152	14993	0.250	ng	0.00
14) 2,4,6-Tribromophenol	16.214	330	1840	0.224	ng	-0.01
15) 2-Fluorobiphenyl	13.368	172	22540	0.229	ng	0.00
27) Fluoranthene-d10	19.500	212	22975	0.210	ng	0.00
31) Terphenyl-d14	20.090	244	24027	0.317	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.790	42	439	0.026	ng	# 1
6) bis(2-Chloroethyl)ether	7.510	93	2894	0.076	ng	# 28
9) Naphthalene	10.991	128	1128598	9.814	ng	99
12) 2-Methylnaphthalene	12.581	142	239892	3.056	ng	100
16) Acenaphthylene	14.459	152	495186	4.149	ng	99
17) Acenaphthene	14.801	154	117214	1.565	ng	98
18) Fluorene	15.779	166	354913	3.641	ng	94
20) 4,6-Dinitro-2-methylph...	16.983	198	2084	2.827	ng	# 76
25) Phenanthrene	17.517	178	3543439	25.618	ng	99
26) Anthracene	17.616	178	1227033	9.928	ng	99
28) Fluoranthene	19.532	202	5178403	33.623	ng	98
30) Pyrene	19.899	202	5376836	34.283	ng	96
32) Benzo(a)anthracene	21.641	228	3078547	24.700	ng	96
33) Chrysene	21.703	228	2829913	20.539	ng	# 97
34) Bis(2-ethylhexyl)phtha...	21.533	149	12287	0.298	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.925	276	1395143	10.100	ng	# 93
37) Benzo(b)fluoranthene	23.431	252	3091782	23.213	ng	97
39) Benzo(a)pyrene	23.990	252	1785253	14.698	ng	99
40) Dibenzo(a,h)anthracene	26.946	278	395186	3.683	ng	# 92
41) Benzo(g,h,i)perylene	27.767	276	1372898	10.810	ng	97

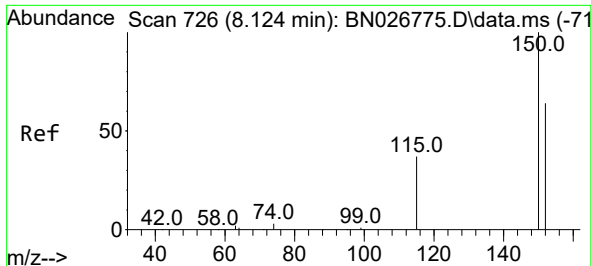
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
Data File : BN026858.D
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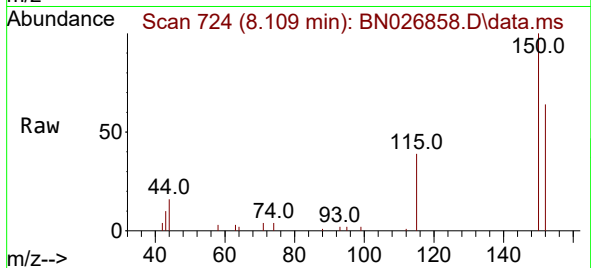
Quant Time: Aug 09 01:12:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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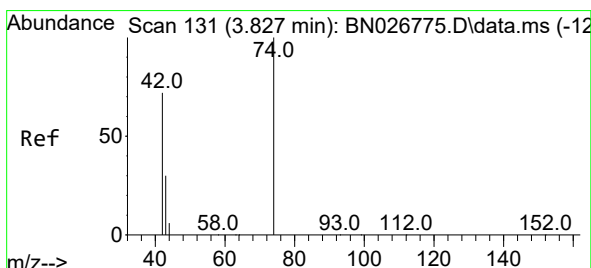
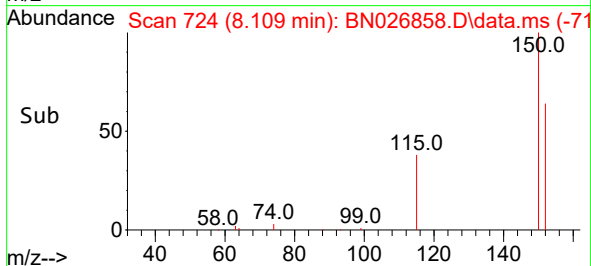
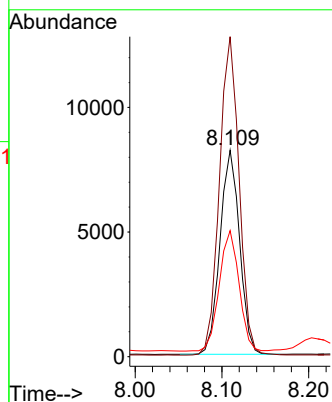


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

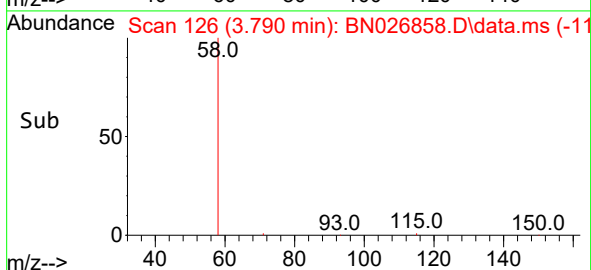
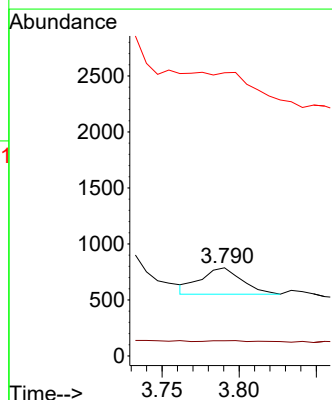
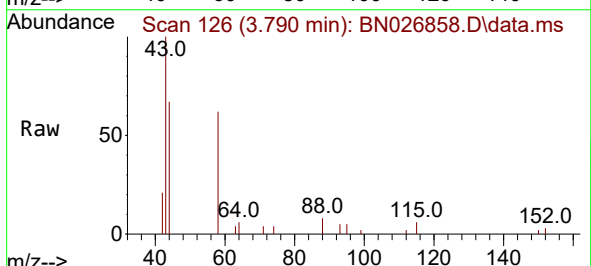


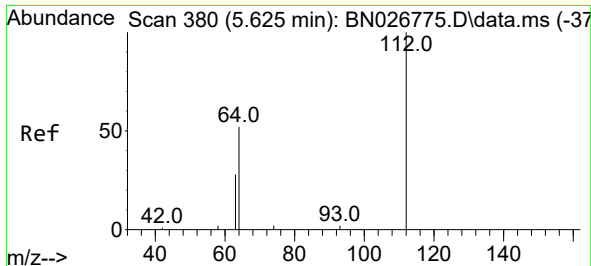
Tgt Ion:152 Resp: 12809
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.8
115 61.1 48.0 72.0



#3
n-Nitrosodimethylamine
Concen: 0.026 ng
RT: 3.790 min Scan# 126
Delta R.T. -0.029 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
74 7.1 106.4 159.6#
44 0.0 7.3 10.9#

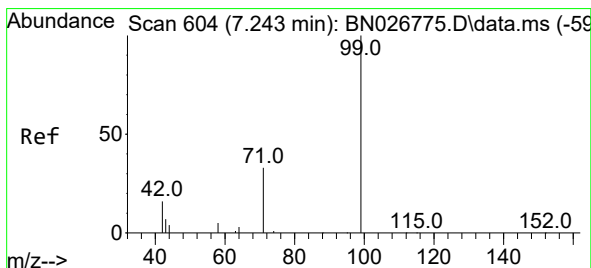
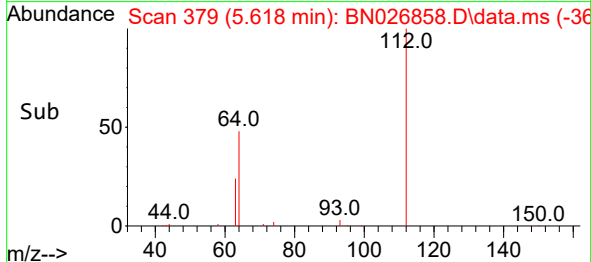
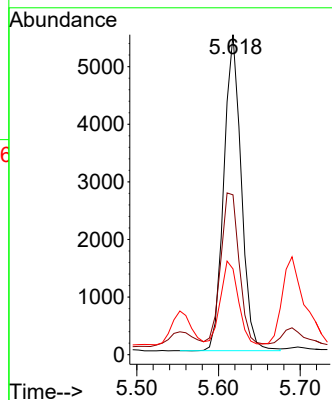
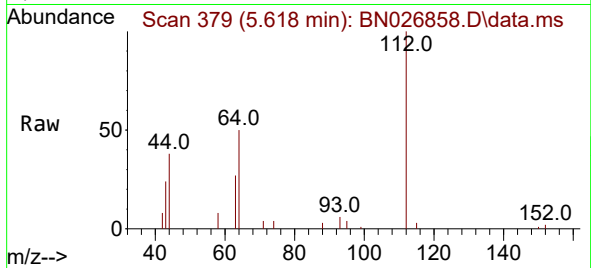




#4
2-Fluorophenol
Concen: 0.250 ng
RT: 5.618 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

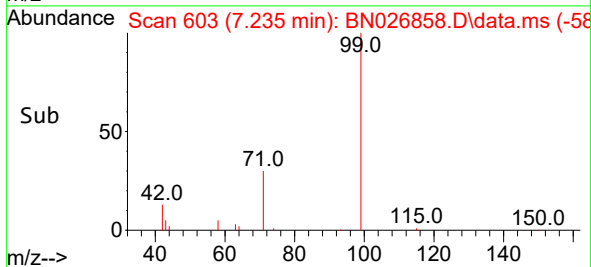
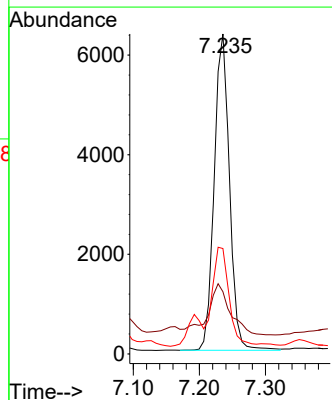
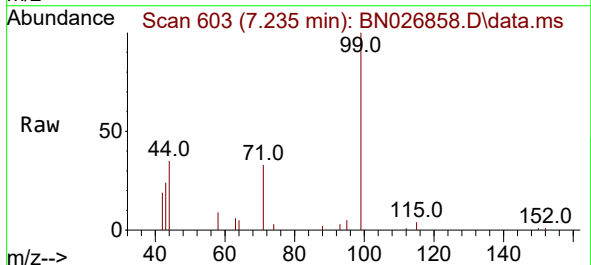
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

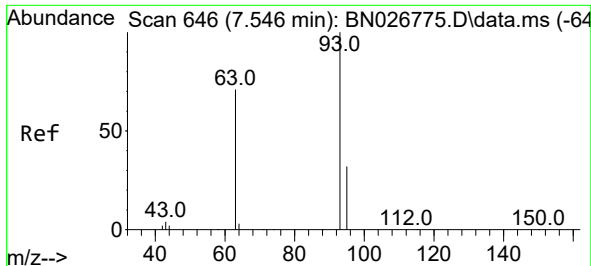
Tgt Ion:112 Resp: 8107
Ion Ratio Lower Upper
112 100
64 50.5 42.2 63.2
63 26.5 22.7 34.1



#5
Phenol-d6
Concen: 0.242 ng
RT: 7.235 min Scan# 603
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion: 99 Resp: 10174
Ion Ratio Lower Upper
99 100
42 23.9 14.6 22.0#
71 32.8 26.6 40.0

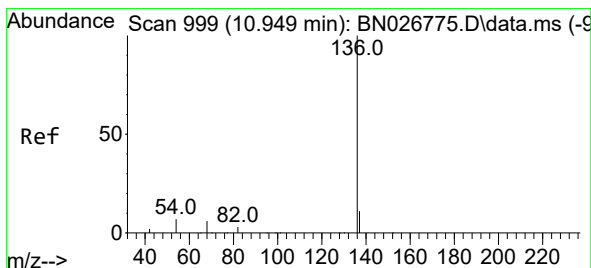
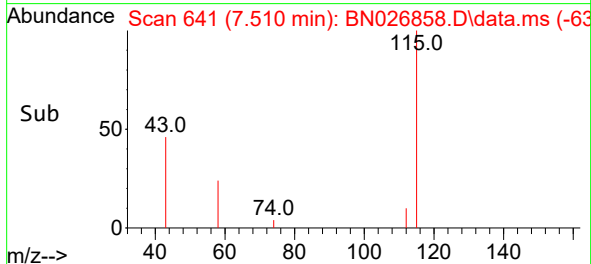
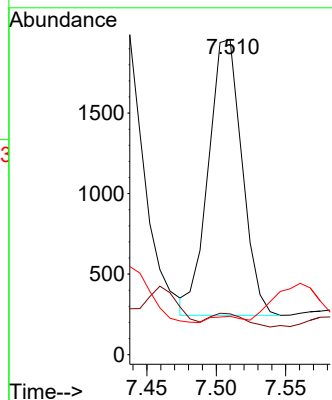
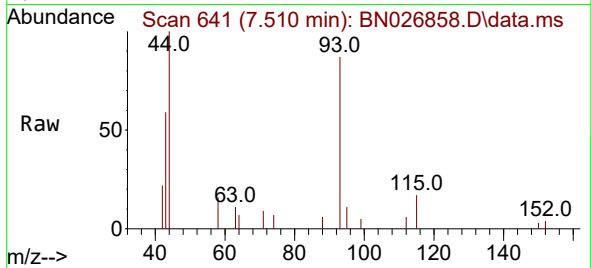




#6
bis(2-Chloroethyl)ether
Concen: 0.076 ng
RT: 7.510 min Scan# 641
Delta R.T. -0.029 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

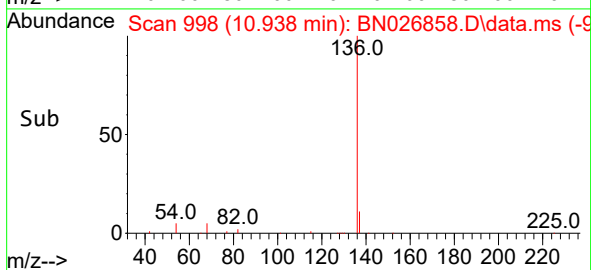
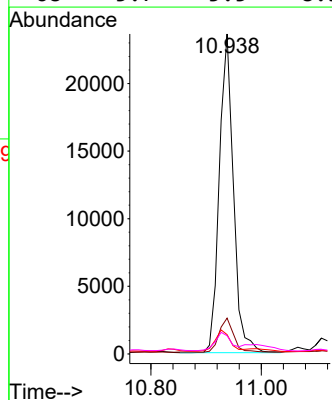
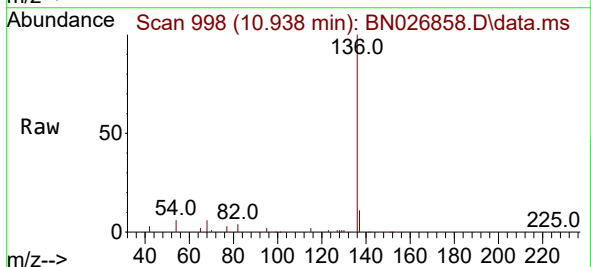
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

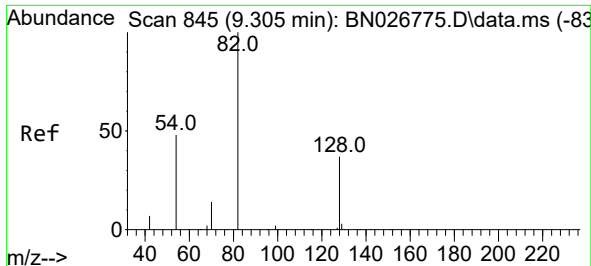
Tgt Ion: 93 Resp: 2894
Ion Ratio Lower Upper
93 100
63 4.9 56.7 85.1#
95 2.2 25.9 38.9#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion: 136 Resp: 41821
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.1 6.2 9.2#
68 5.7 5.5 8.3

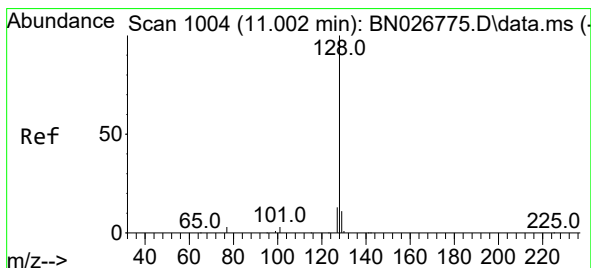
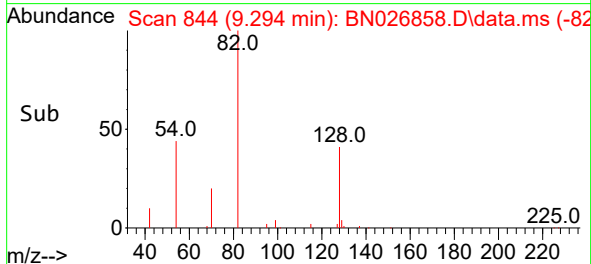
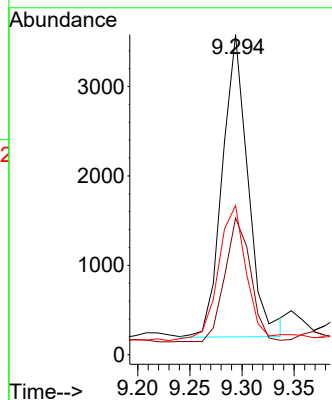
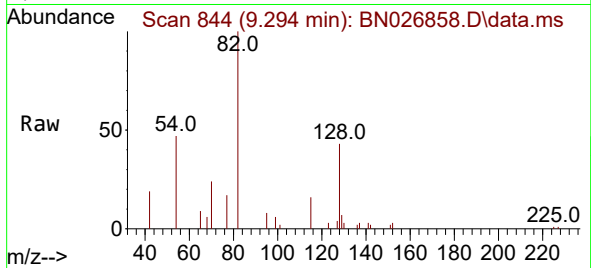




#8
Nitrobenzene-d5
Concen: 0.234 ng
RT: 9.294 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

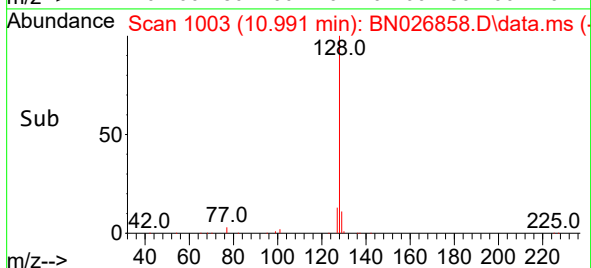
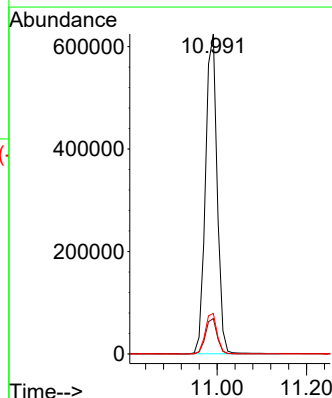
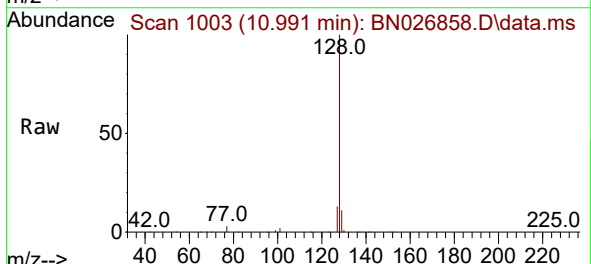
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

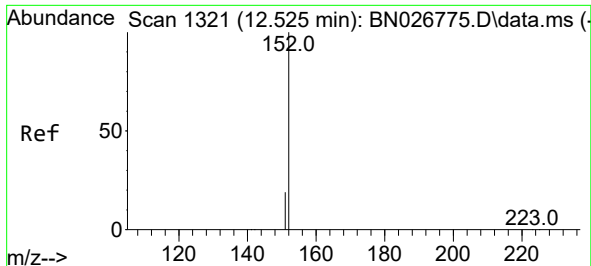
Tgt Ion: 82 Resp: 5801
Ion Ratio Lower Upper
82 100
128 42.7 30.5 45.7
54 46.6 39.4 59.2



#9
Naphthalene
Concen: 9.814 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:128 Resp: 1128598
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.6 16.0

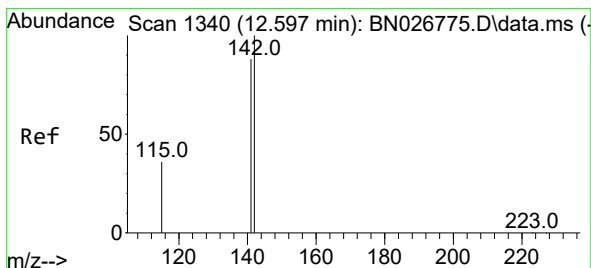
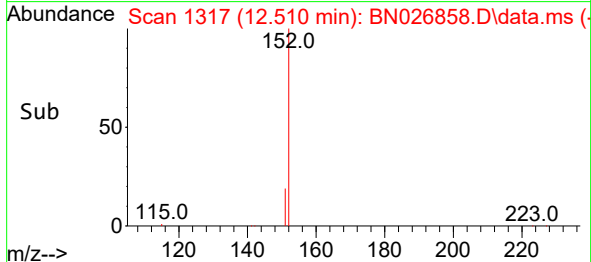
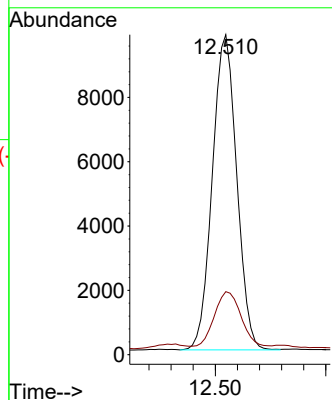
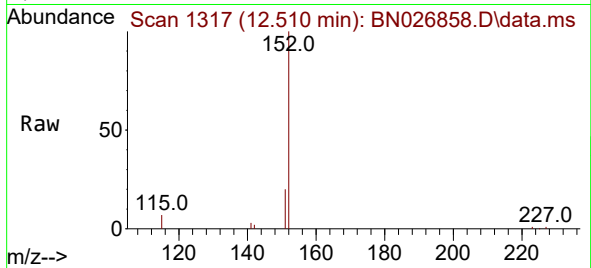




#11
2-Methylnaphthalene-d10
Concen: 0.250 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

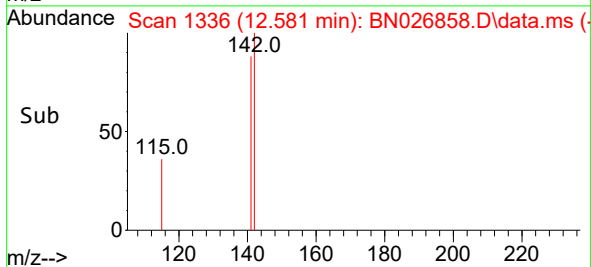
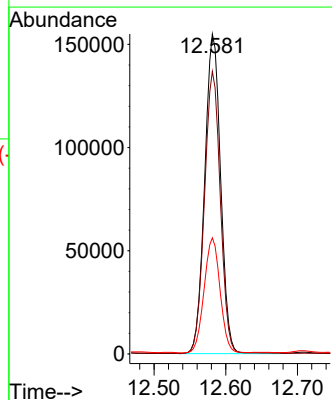
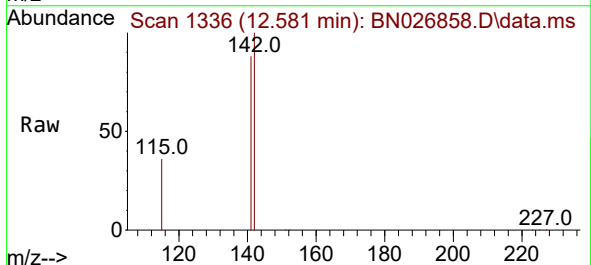
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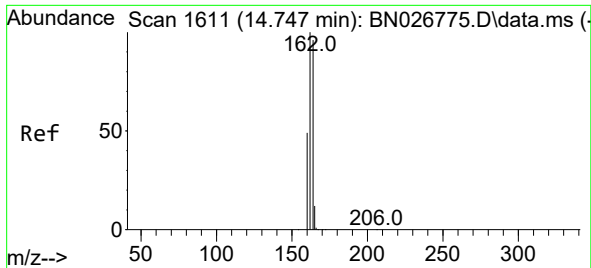
Tgt Ion:152 Resp: 14993
Ion Ratio Lower Upper
152 100
151 19.0 16.5 24.7



#12
2-Methylnaphthalene
Concen: 3.056 ng
RT: 12.581 min Scan# 1336
Delta R.T. -0.004 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:142 Resp: 239892
Ion Ratio Lower Upper
142 100
141 88.3 70.3 105.5
115 36.3 29.2 43.8

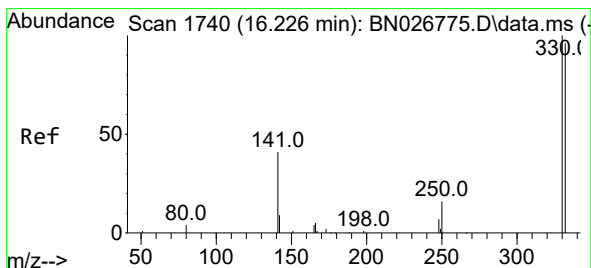
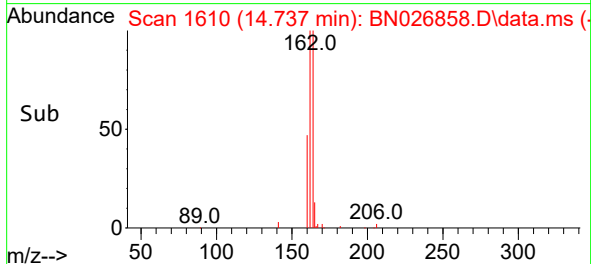
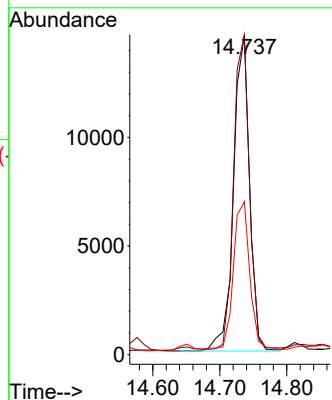
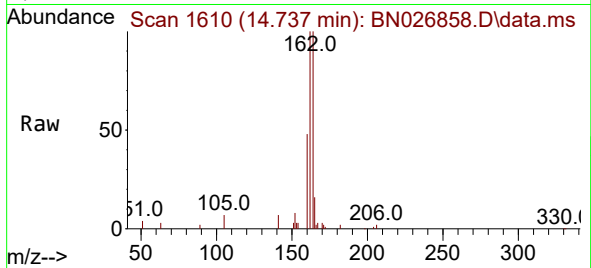




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

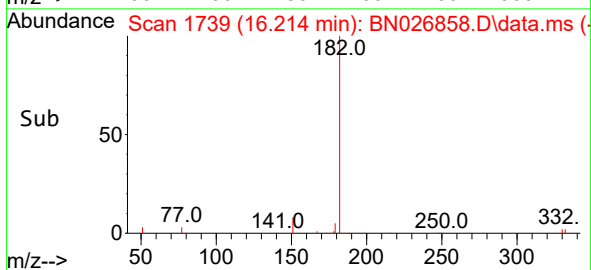
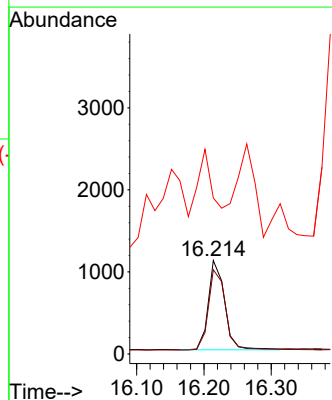
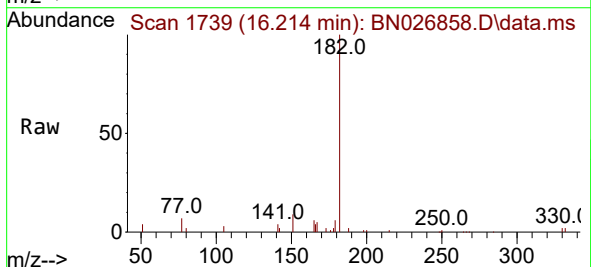
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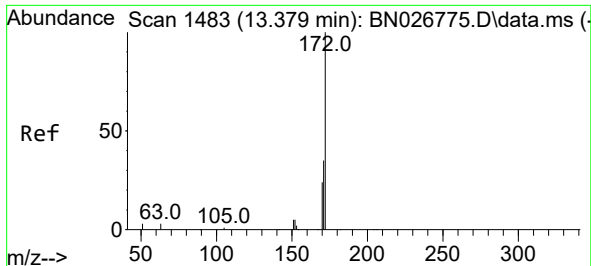
Tgt Ion:164 Resp: 24146
Ion Ratio Lower Upper
164 100
162 100.4 83.0 124.6
160 48.0 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.224 ng
RT: 16.214 min Scan# 1739
Delta R.T. -0.013 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:330 Resp: 1840
Ion Ratio Lower Upper
330 100
332 94.0 77.8 116.6
141 64.9 34.8 52.2#

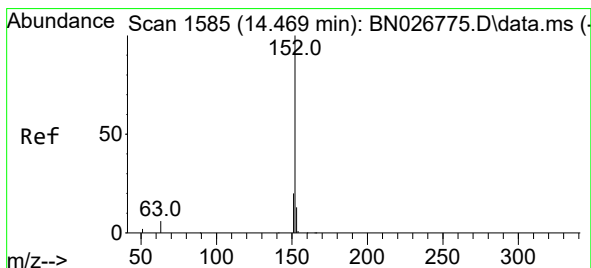
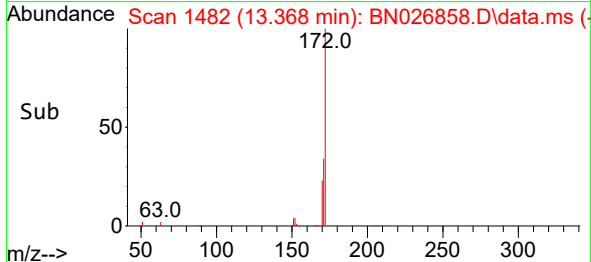
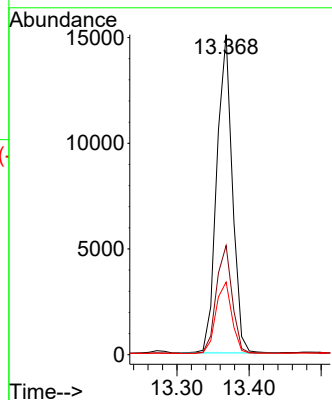
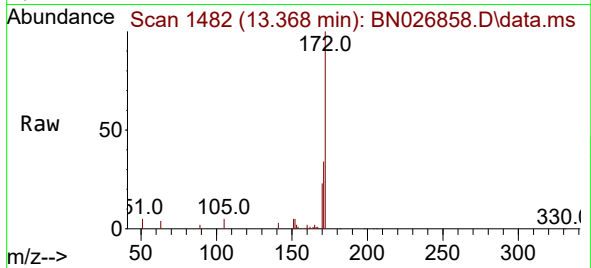




#15
2-Fluorobiphenyl
Concen: 0.229 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

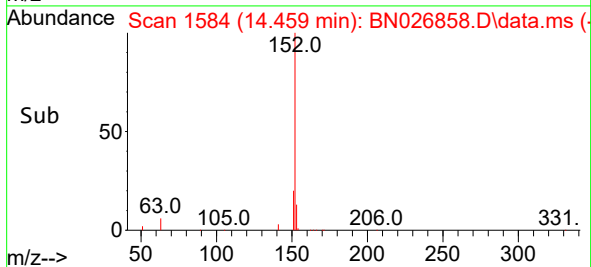
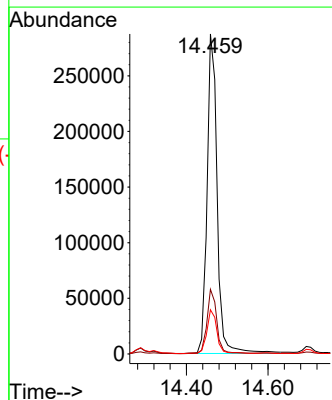
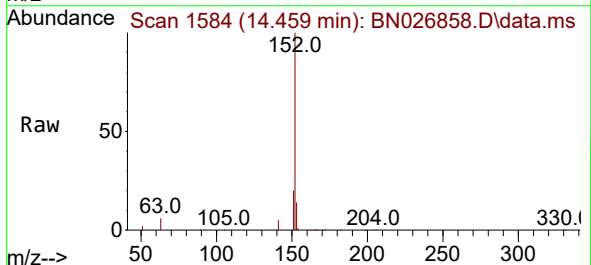
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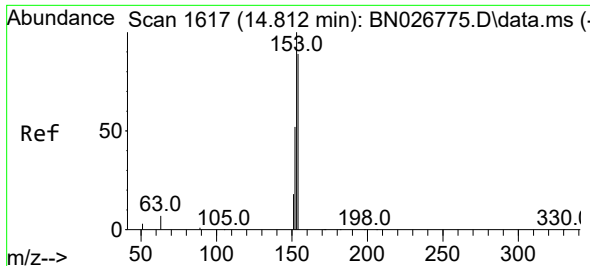
Tgt Ion:172 Resp: 22540
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.7 19.2 28.8



#16
Acenaphthylene
Concen: 4.149 ng
RT: 14.459 min Scan# 1584
Delta R.T. -0.011 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:152 Resp: 495186
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.8 10.5 15.7

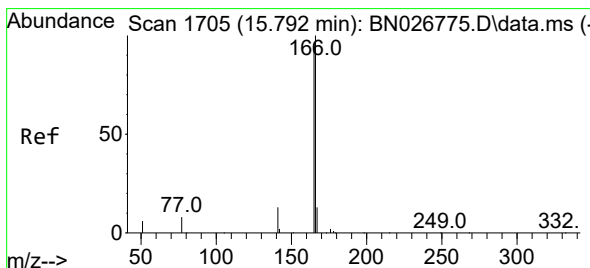
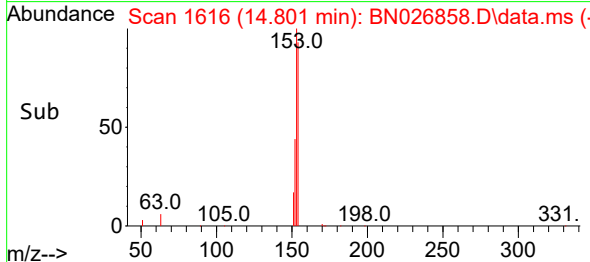
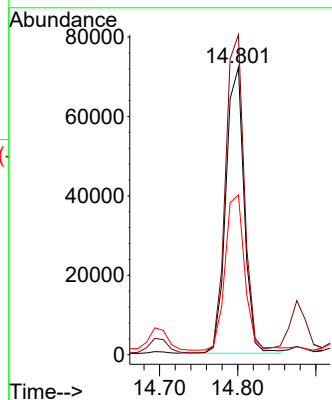
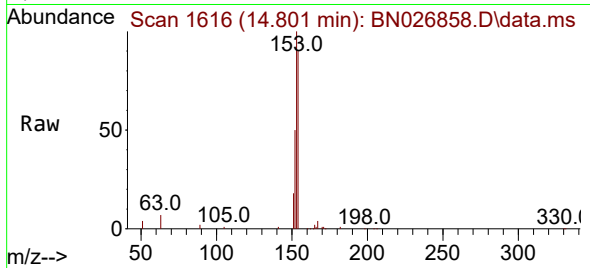




#17
Acenaphthene
Concen: 1.565 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

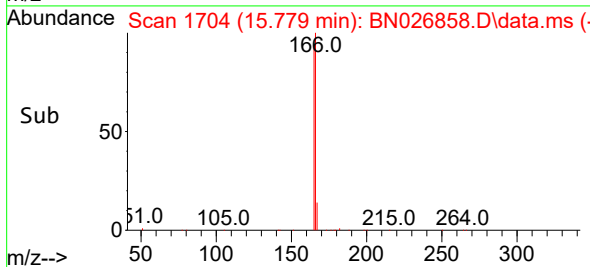
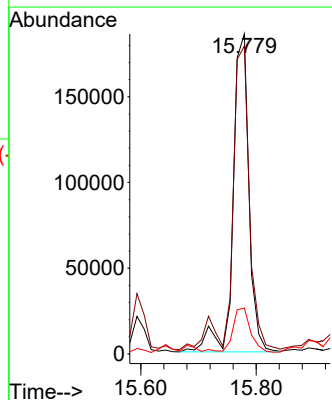
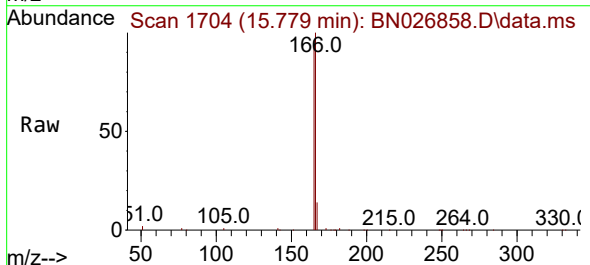
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

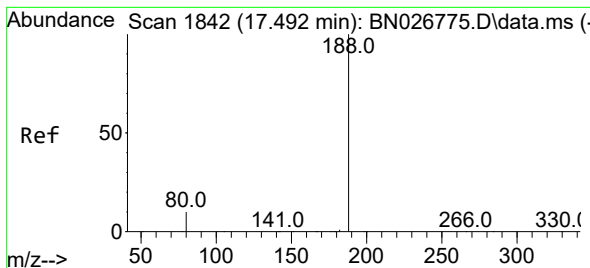
Tgt Ion:154 Resp: 117214
Ion Ratio Lower Upper
154 100
153 113.8 90.0 135.0
152 58.4 48.6 73.0



#18
Fluorene
Concen: 3.641 ng
RT: 15.779 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:166 Resp: 354913
Ion Ratio Lower Upper
166 100
165 92.7 79.0 118.6
167 15.0 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.480 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

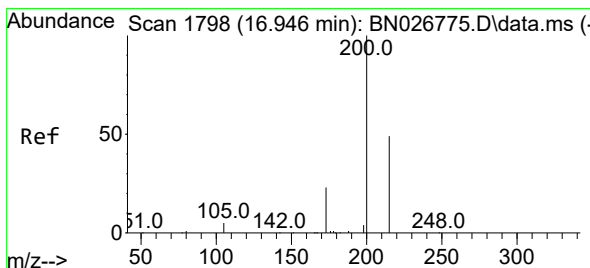
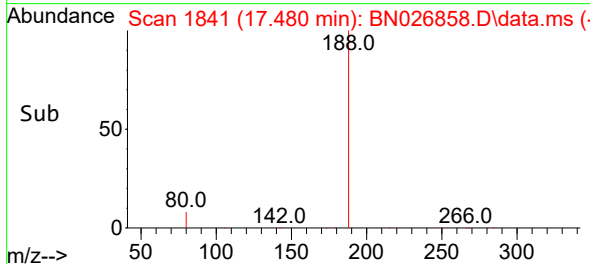
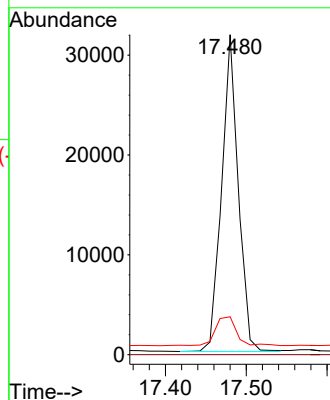
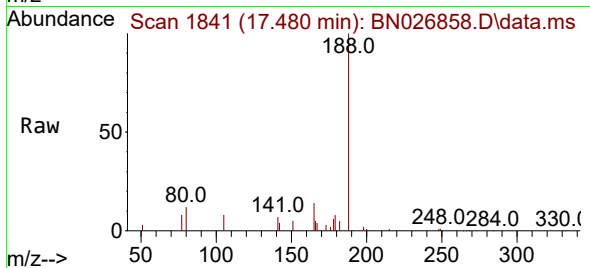
Tgt Ion:188 Resp: 45543

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.8 8.0 12.0



#20

4,6-Dinitro-2-methylphenol

Concen: 2.827 ng

RT: 16.983 min Scan# 1801

Delta R.T. 0.049 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

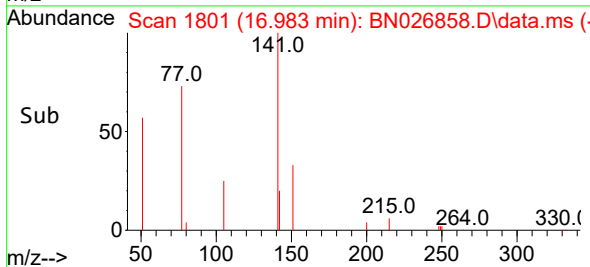
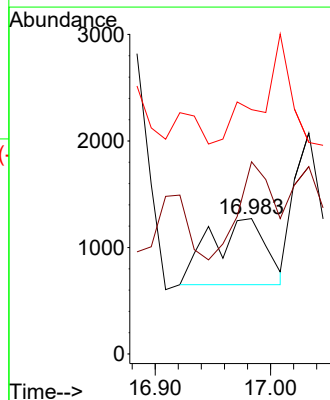
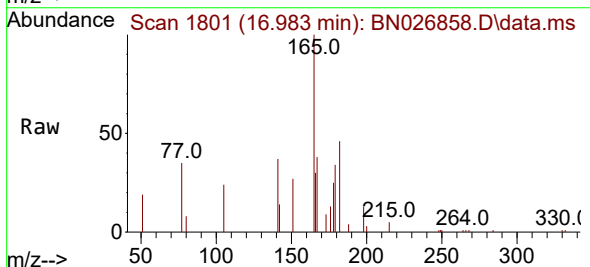
Tgt Ion:198 Resp: 2084

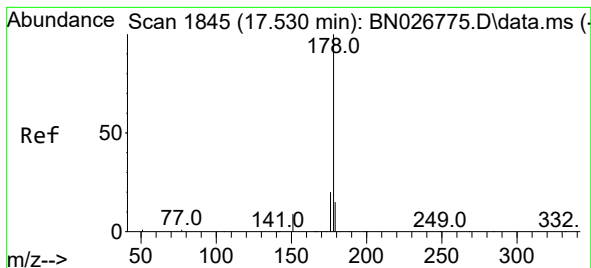
Ion Ratio Lower Upper

198 100

51 141.9 150.5 225.7#

105 180.5 165.0 247.6





#25

Phenanthrene

Concen: 25.618 ng

RT: 17.517 min Scan# 1844

Delta R.T. -0.013 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

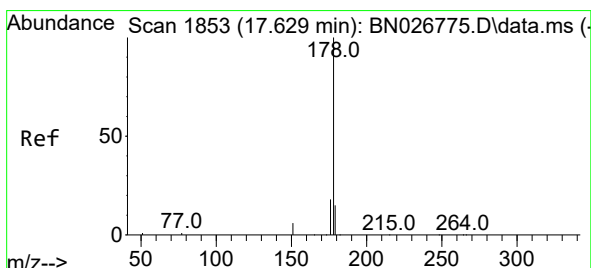
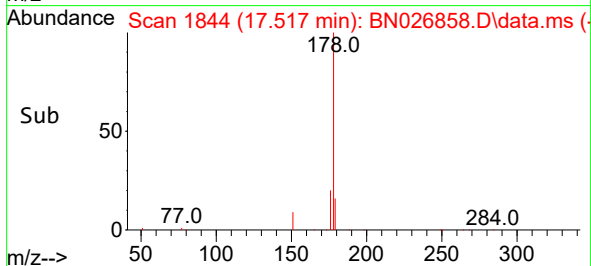
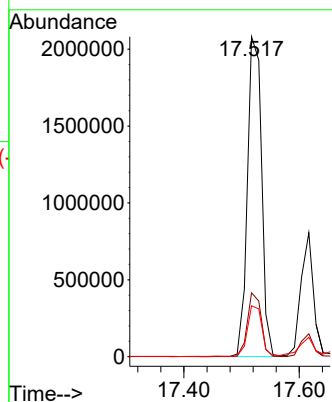
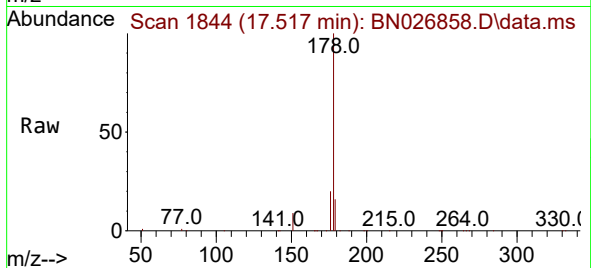
Tgt Ion:178 Resp: 3543439

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 16.3 12.2 18.2



#26

Anthracene

Concen: 9.928 ng

RT: 17.616 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

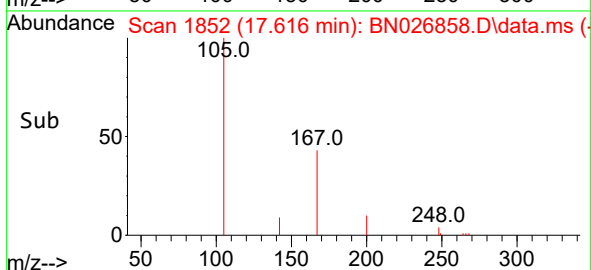
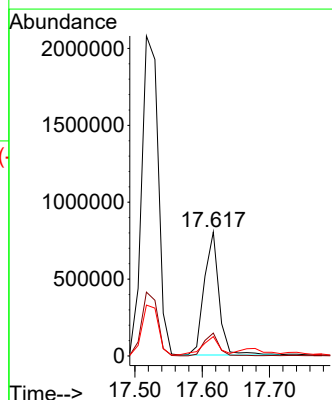
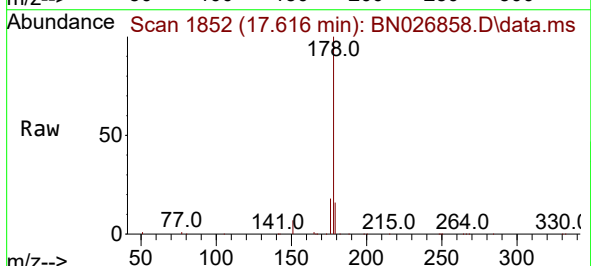
Tgt Ion:178 Resp: 1227033

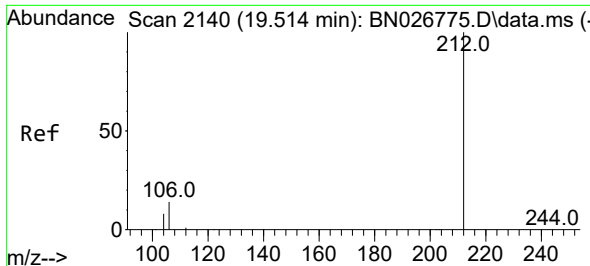
Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

179 15.9 12.2 18.2

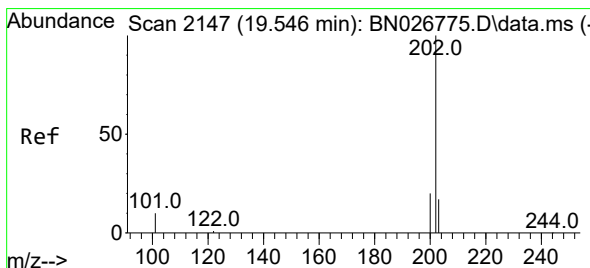
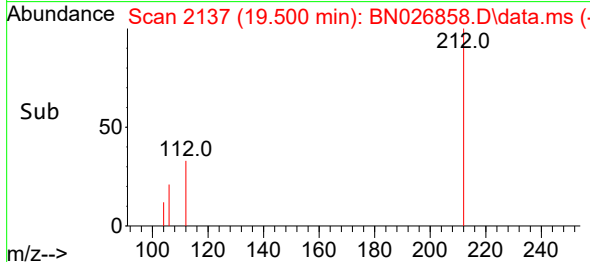
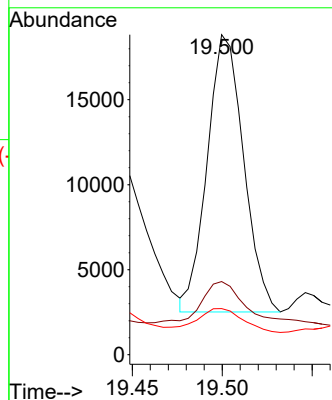
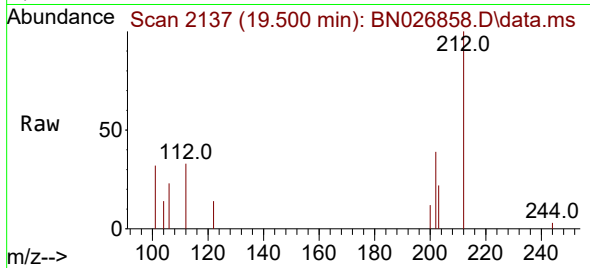




#27
Fluoranthene-d10
Concen: 0.210 ng
RT: 19.500 min Scan# 2140
Delta R.T. -0.005 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

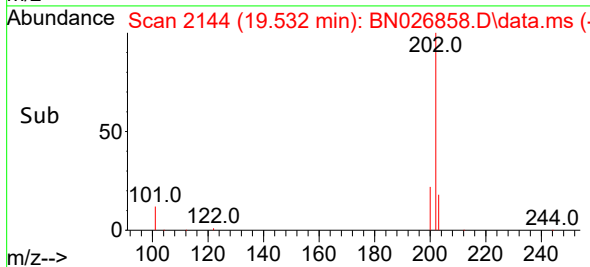
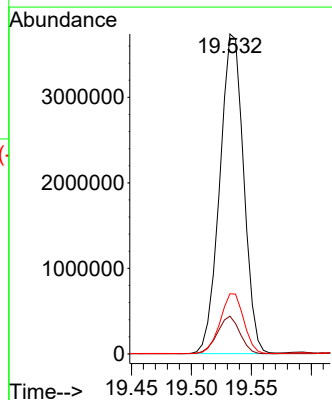
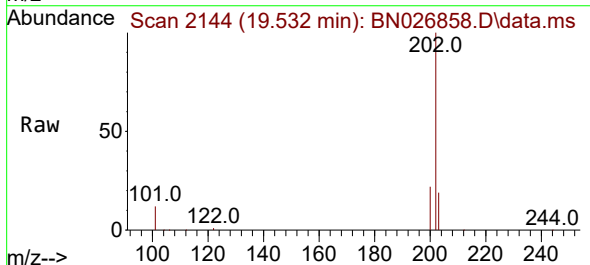
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

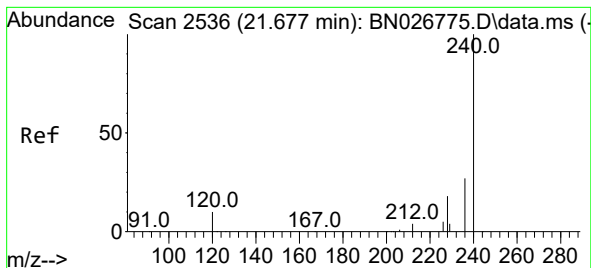
Tgt Ion:212 Resp: 22975
Ion Ratio Lower Upper
212 100
106 20.4 11.7 17.5#
104 10.7 6.4 9.6#



#28
Fluoranthene
Concen: 33.623 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:202 Resp: 5178403
Ion Ratio Lower Upper
202 100
101 11.2 9.2 13.8
203 18.5 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

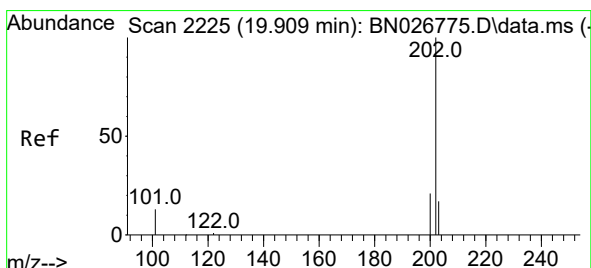
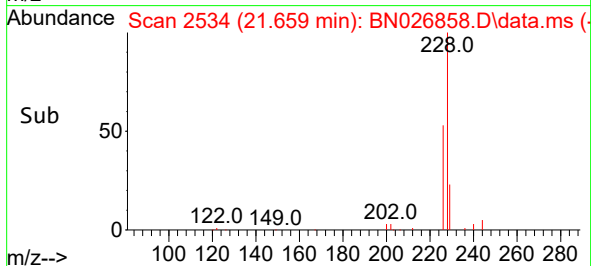
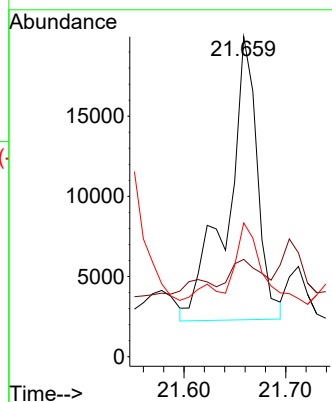
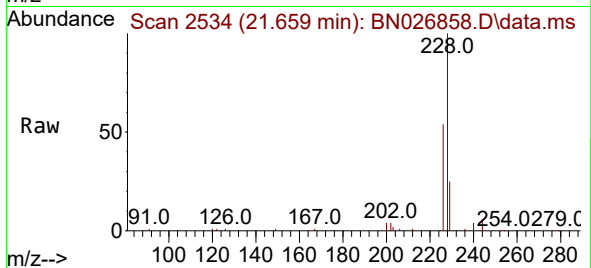
Tgt Ion:240 Resp: 36295

Ion Ratio Lower Upper

240 100

120 30.4 9.2 13.8#

236 41.8 21.9 32.9#



#30

Pyrene

Concen: 34.283 ng

RT: 19.899 min Scan# 2223

Delta R.T. -0.000 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

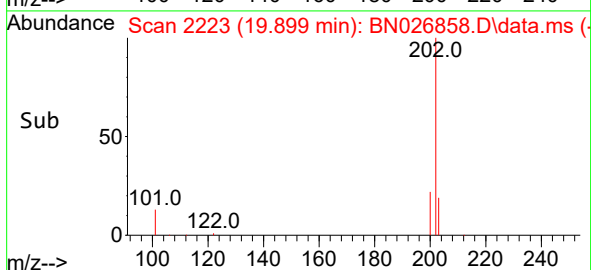
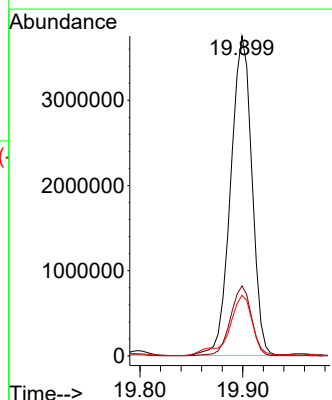
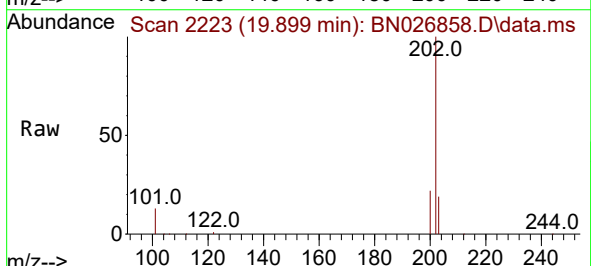
Tgt Ion:202 Resp: 5376836

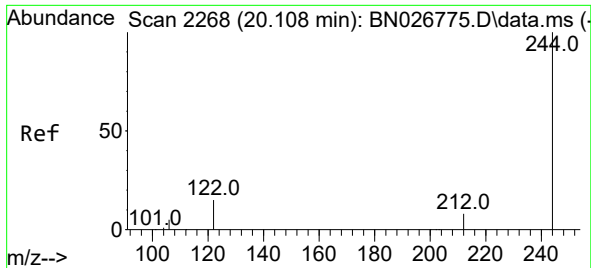
Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

203 20.8 14.2 21.2

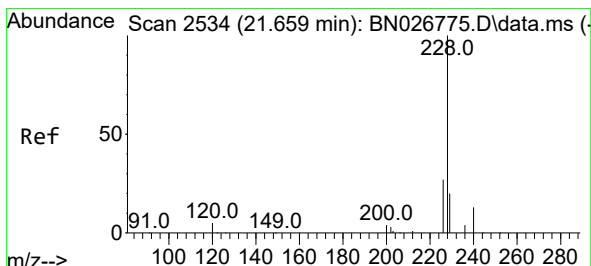
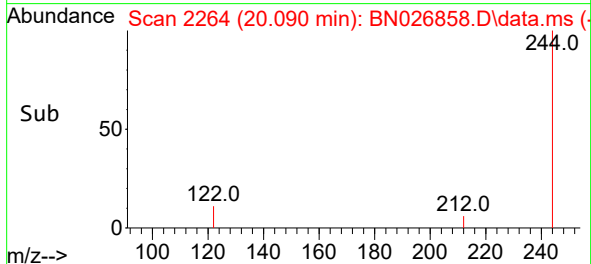
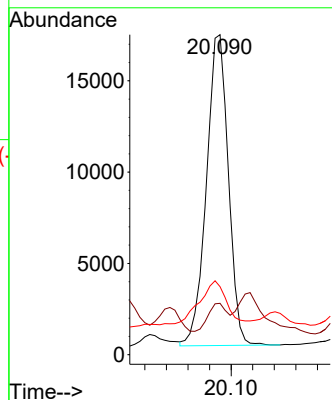
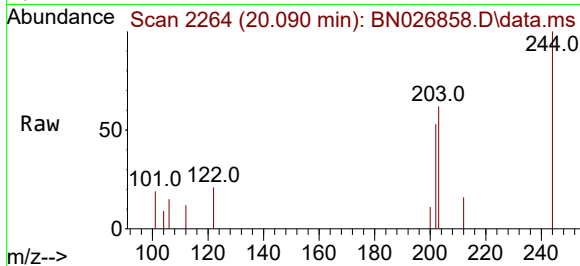




#31
 Terphenyl-d14
 Concen: 0.317 ng
 RT: 20.090 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN026858.D
 Acq: 08 Aug 2023 20:32

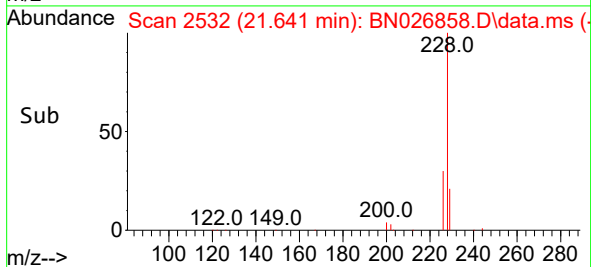
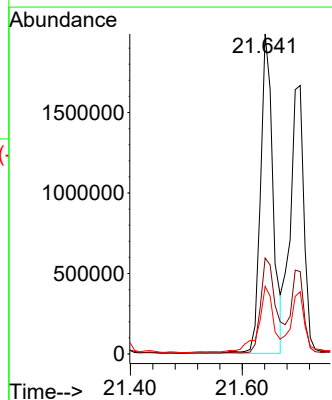
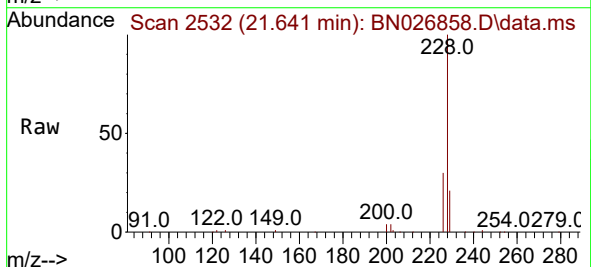
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4EC

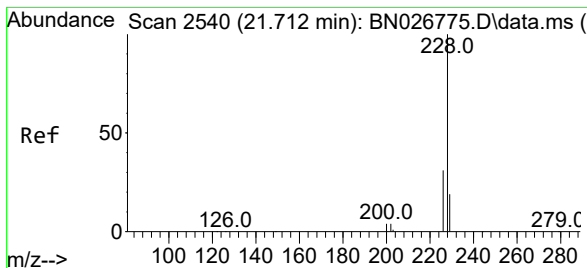
Tgt Ion:244 Resp: 24027
 Ion Ratio Lower Upper
 244 100
 212 16.1 7.0 10.4#
 122 21.2 12.3 18.5#



#32
 Benzo(a)anthracene
 Concen: 24.700 ng
 RT: 21.641 min Scan# 2532
 Delta R.T. -0.009 min
 Lab File: BN026858.D
 Acq: 08 Aug 2023 20:32

Tgt Ion:228 Resp: 3078547
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.9 32.9
 229 21.1 15.8 23.8





#33

Chrysene

Concen: 20.539 ng

RT: 21.703 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4EC

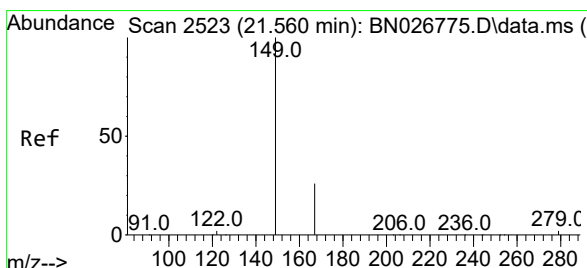
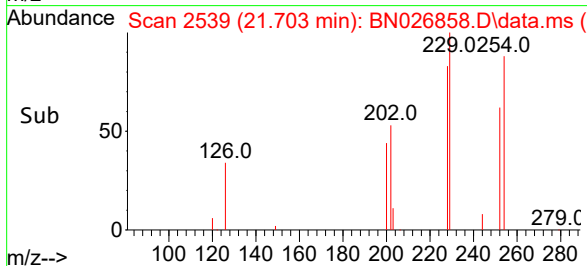
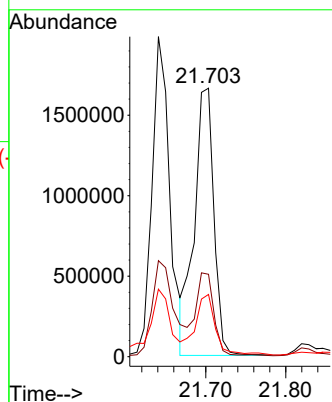
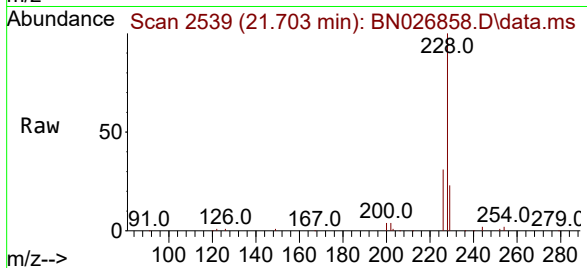
Tgt Ion:228 Resp: 2829913

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 23.2 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.298 ng

RT: 21.533 min Scan# 2520

Delta R.T. -0.009 min

Lab File: BN026858.D

Acq: 08 Aug 2023 20:32

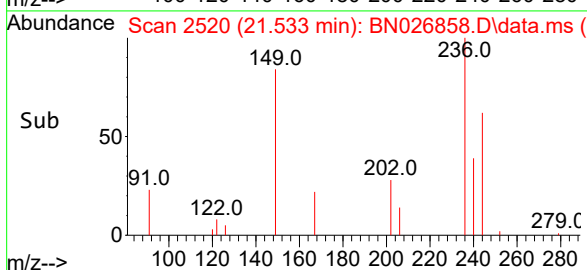
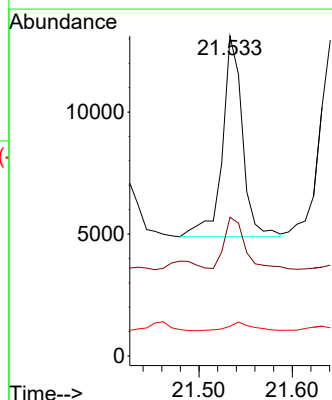
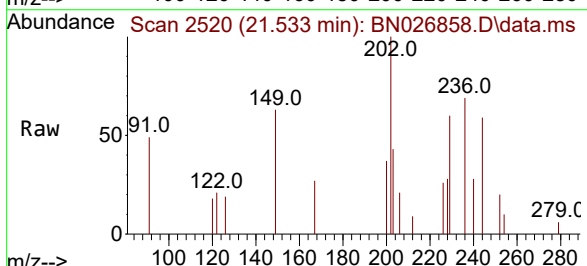
Tgt Ion:149 Resp: 12287

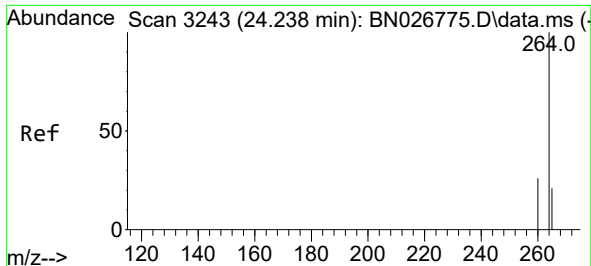
Ion Ratio Lower Upper

149 100

167 26.1 20.8 31.2

279 5.0 2.4 3.6#

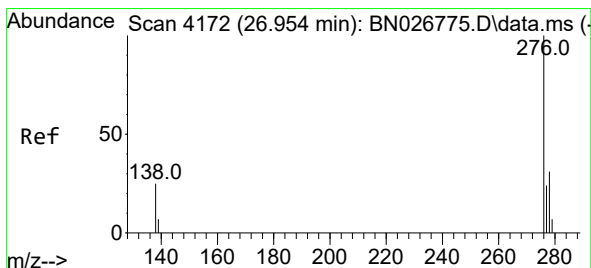
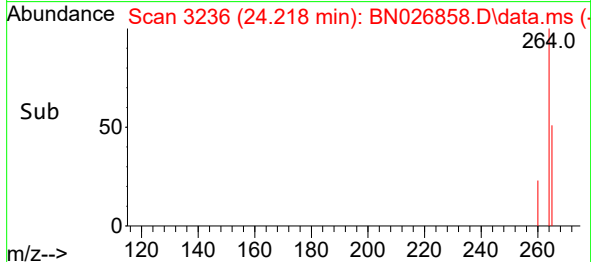
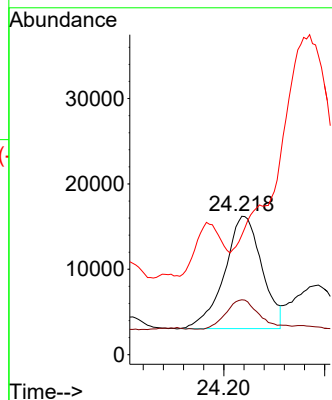
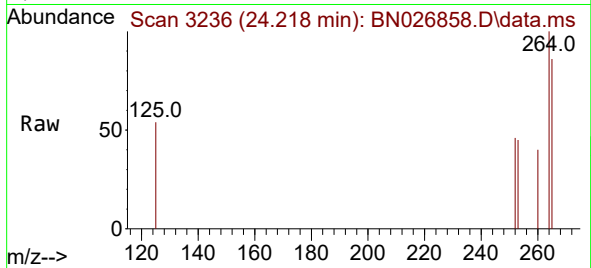




#35
Perylene-d12
Concen: 0.400 ng
RT: 24.218 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

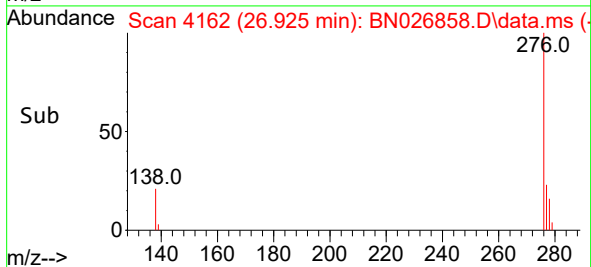
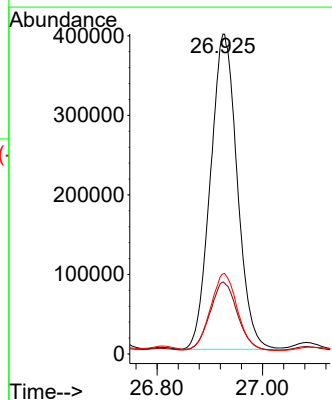
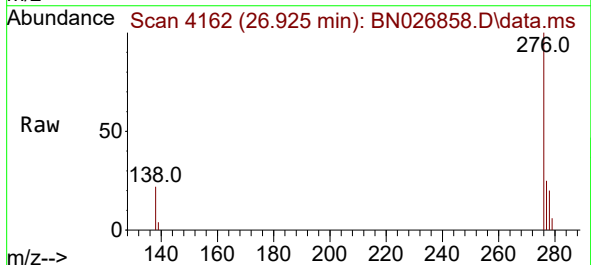
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

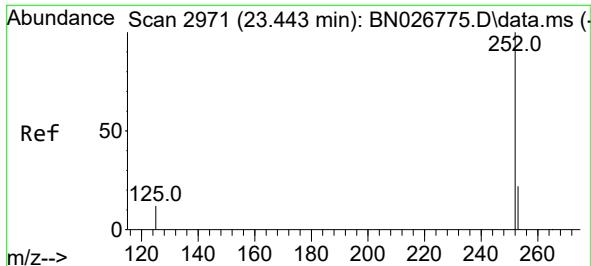
Tgt Ion:264 Resp: 33851
Ion Ratio Lower Upper
264 100
260 39.6 21.0 31.6#
265 86.4 22.6 33.8#



#36
Indeno(1,2,3-cd)pyrene
Concen: 10.100 ng
RT: 26.925 min Scan# 4162
Delta R.T. -0.006 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:276 Resp: 1395143
Ion Ratio Lower Upper
276 100
138 22.1 22.8 34.2#
277 24.5 19.9 29.9

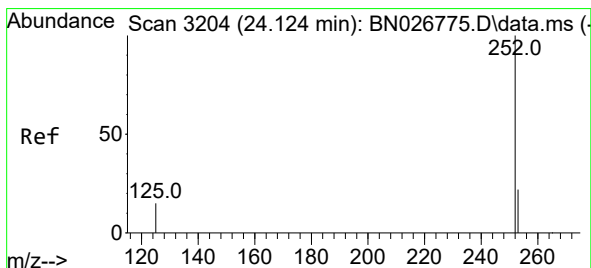
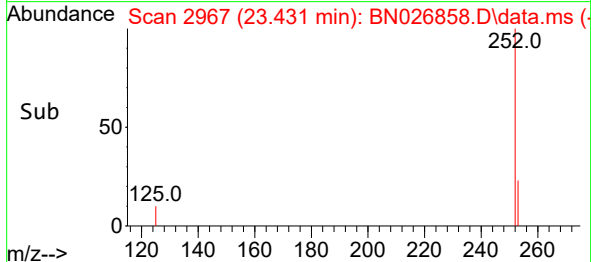
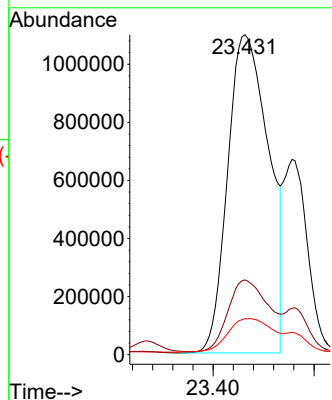
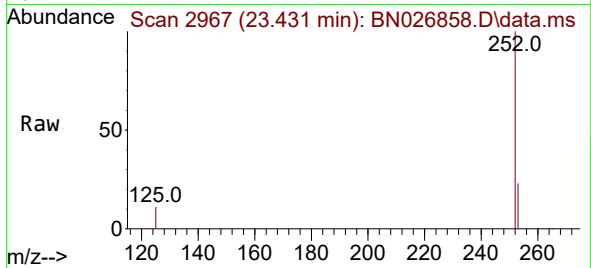




#37
Benzo(b)fluoranthene
Concen: 23.213 ng
RT: 23.431 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

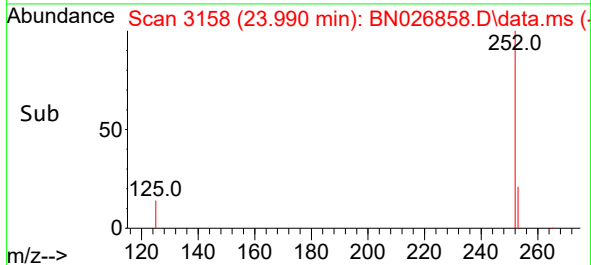
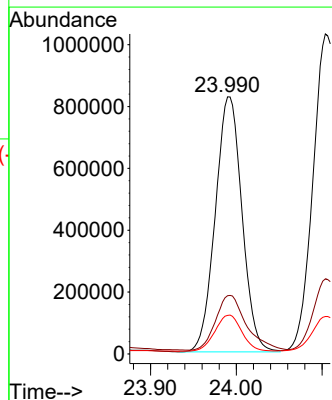
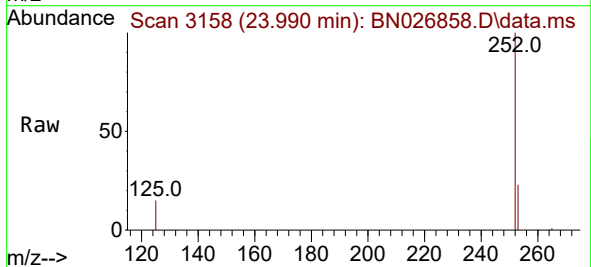
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

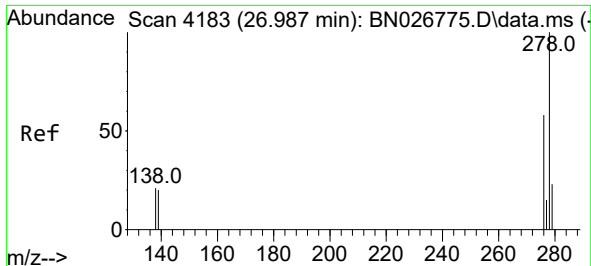
Tgt Ion:252 Resp: 3091782
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.2 10.8 16.2



#39
Benzo(a)pyrene
Concen: 14.698 ng
RT: 23.990 min Scan# 3158
Delta R.T. -0.120 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:252 Resp: 1785253
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 15.0 12.7 19.1

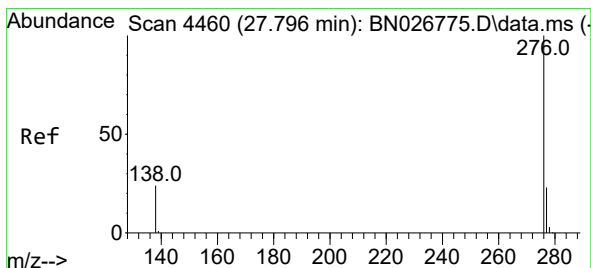
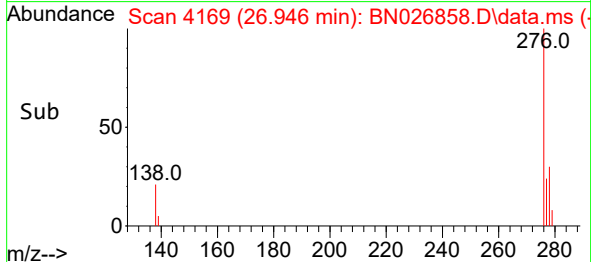
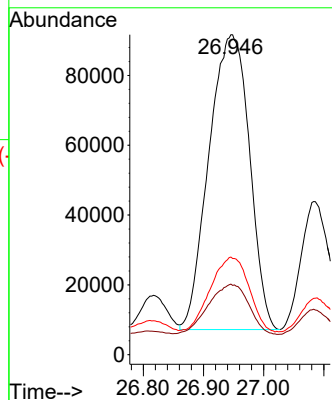
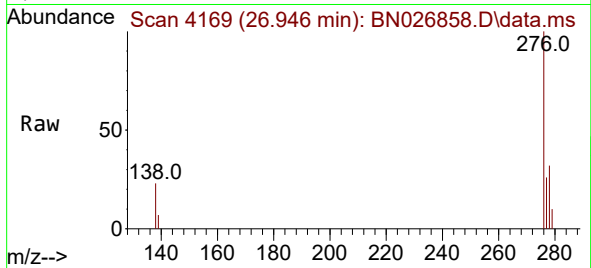




#40
Dibenzo(a,h)anthracene
Concen: 3.683 ng
RT: 26.946 min Scan# 41
Delta R.T. -0.021 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:278 Resp: 395186
Ion Ratio Lower Upper
278 100
139 22.1 16.8 25.2
279 30.5 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 10.810 ng
RT: 27.767 min Scan# 4450
Delta R.T. -0.003 min
Lab File: BN026858.D
Acq: 08 Aug 2023 20:32

Tgt Ion:276 Resp: 1372898
Ion Ratio Lower Upper
276 100
277 24.5 19.1 28.7
138 22.7 19.8 29.6

