

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026832.D
 Acq On : 07 Aug 2023 15:52
 Operator : MA/JU
 Sample : 03862-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1

Quant Time: Aug 08 00:50:30 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 02 00:35:47 2023
 Response via : Initial Calibration

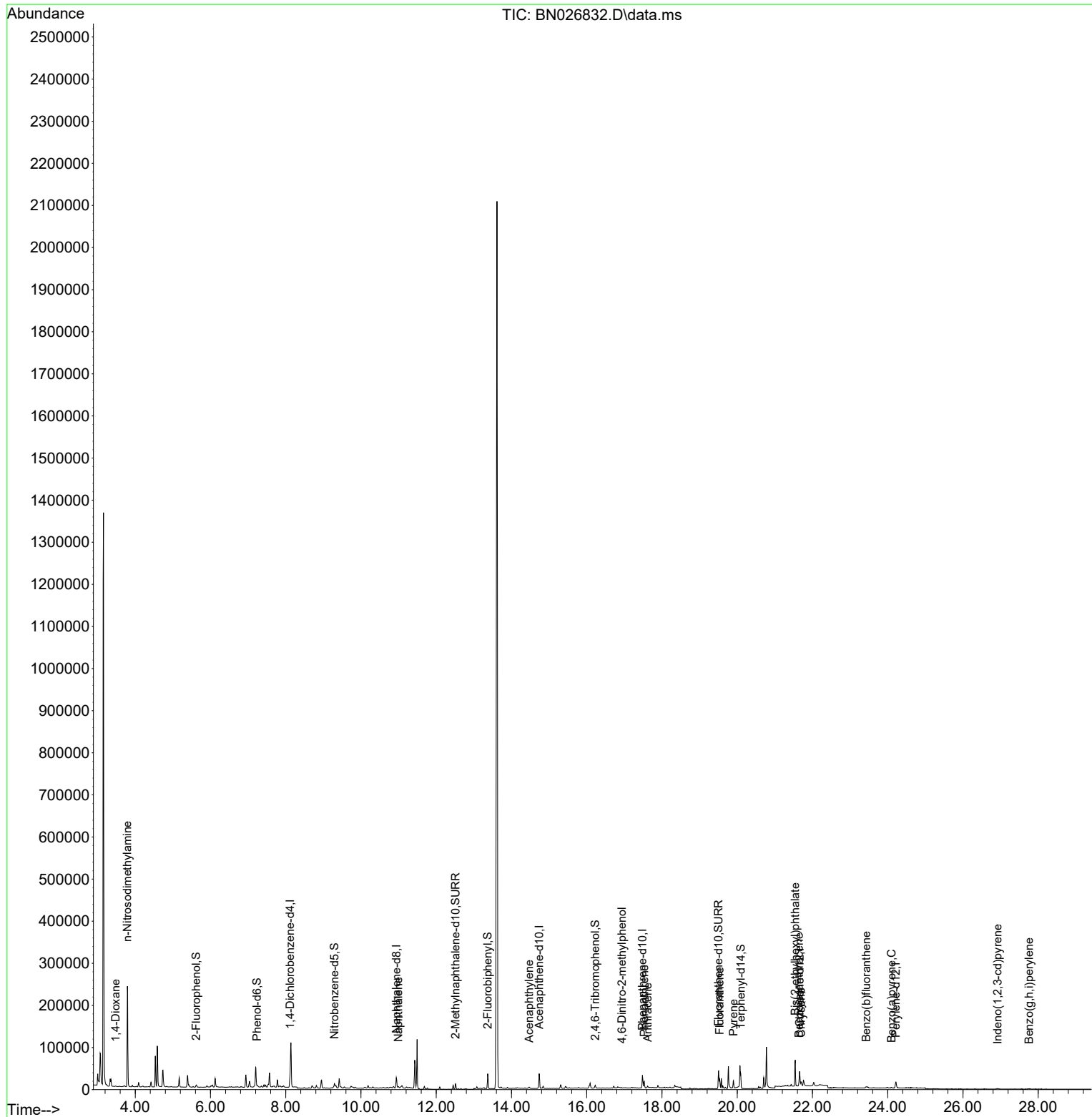
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	11160	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	34724	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	20069	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	41148	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	27830	0.400	ng	#-0.02
35) Perylene-d12	24.218	264	22607	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	3329	0.118	ng	0.00
5) Phenol-d6	7.235	99	2356	0.064	ng	0.00
8) Nitrobenzene-d5	9.294	82	8215	0.400	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	16762	0.337	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	3016	0.441	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	29791	0.364	ng	-0.01
27) Fluoranthene-d10	19.504	212	36513	0.370	ng	0.00
31) Terphenyl-d14	20.094	244	33746	0.582	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.480	88	351	0.027	ng	# 1
3) n-Nitrosodimethylamine	3.790	42	15437	1.062	ng	# 1
9) Naphthalene	10.991	128	3065	0.032	ng	# 88
16) Acenaphthylene	14.469	152	4568	0.046	ng	# 95
20) 4,6-Dinitro-2-methylph...	16.934	198	30	0.045	ng	# 1
25) Phenanthrene	17.530	178	18143	0.145	ng	98
26) Anthracene	17.616	178	3367	0.030	ng	95
28) Fluoranthene	19.532	202	16872	0.121	ng	# 73
30) Pyrene	19.899	202	15993	0.133	ng	97
32) Benzo(a)anthracene	21.641	228	6296	0.066	ng	# 83
33) Chrysene	21.694	228	7510	0.071	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.542	149	60070	1.897	ng	97
36) Indeno(1,2,3-cd)pyrene	26.919	276	2782	0.030	ng	# 68
37) Benzo(b)fluoranthene	23.425	252	5769	0.065	ng	# 46
39) Benzo(a)pyrene	24.098	252	2442	0.030	ng	# 18
41) Benzo(g,h,i)perylene	27.755	276	2247	0.026	ng	# 47

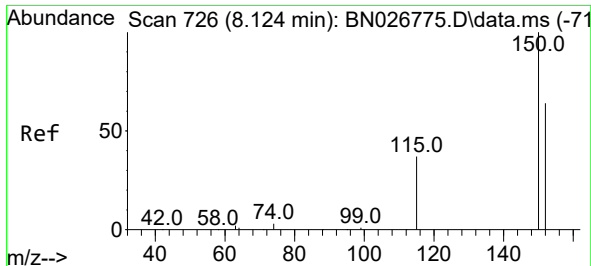
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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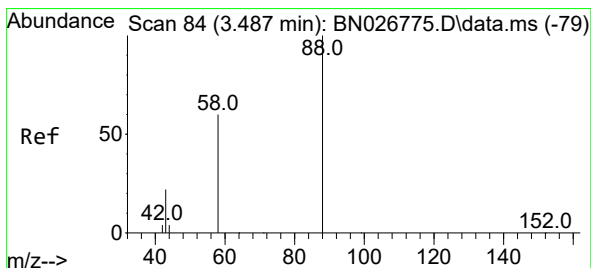
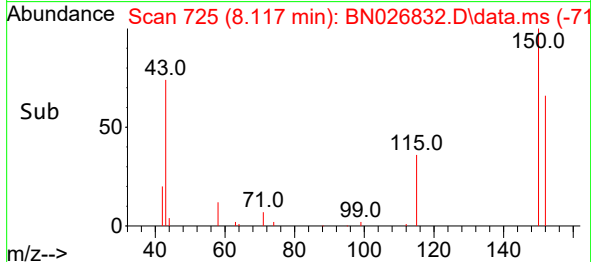
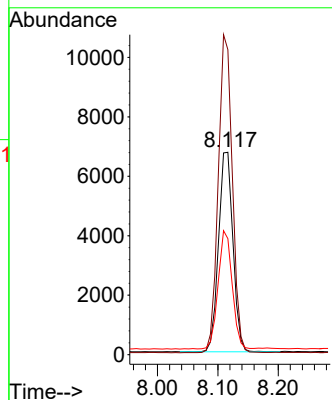
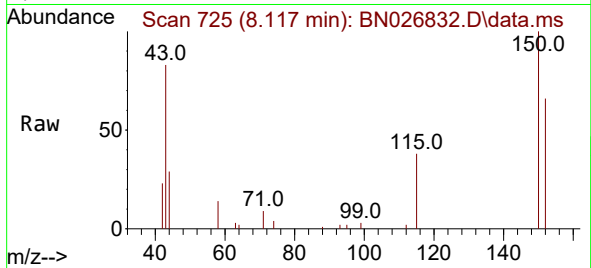




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

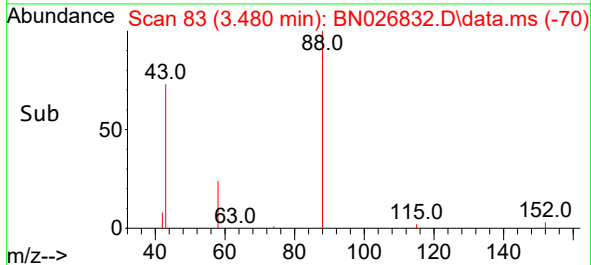
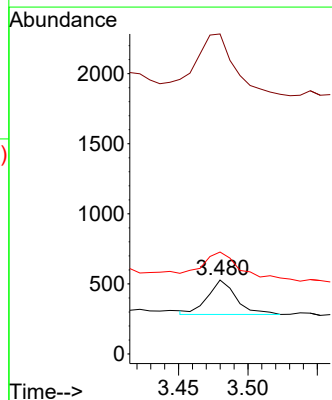
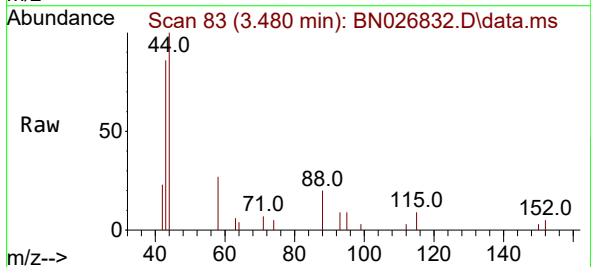
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1

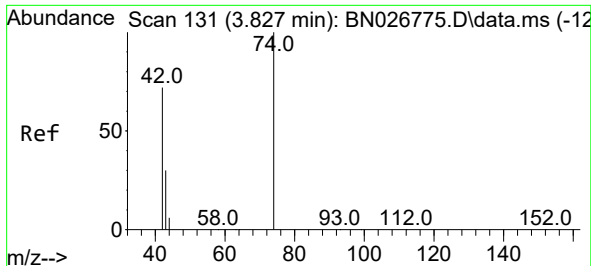
Tgt Ion:152 Resp: 11160
Ion Ratio Lower Upper
152 100
150 150.7 123.8 185.8
115 57.3 48.0 72.0



#2
1,4-Dioxane
Concen: 0.027 ng
RT: 3.480 min Scan# 83
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 259.8 21.7 32.5#
58 119.1 53.3 79.9#

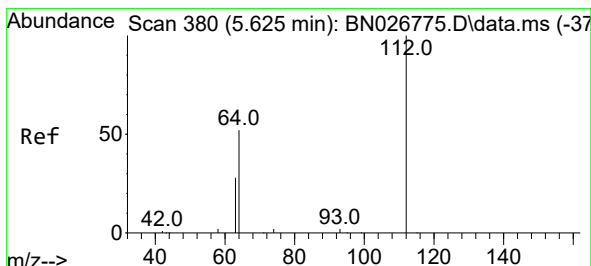
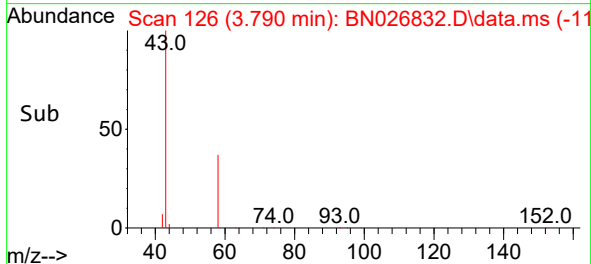
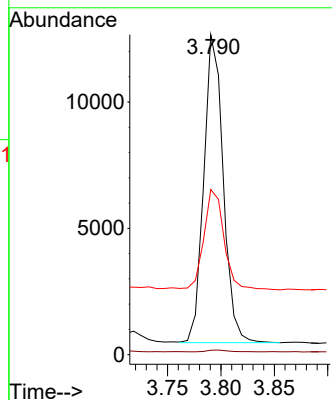
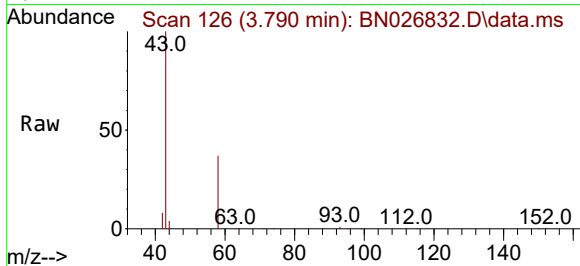




#3
n-Nitrosodimethylamine
Concen: 1.062 ng
RT: 3.790 min Scan# 11
Delta R.T. -0.036 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

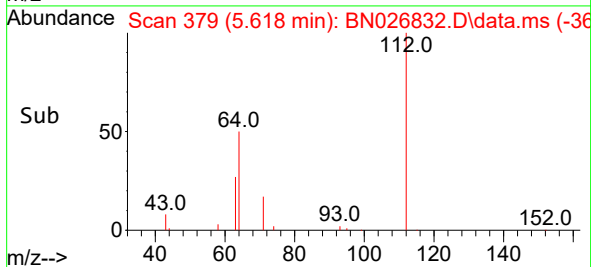
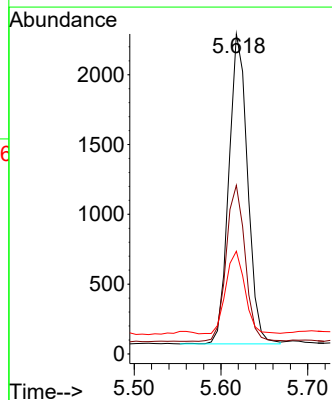
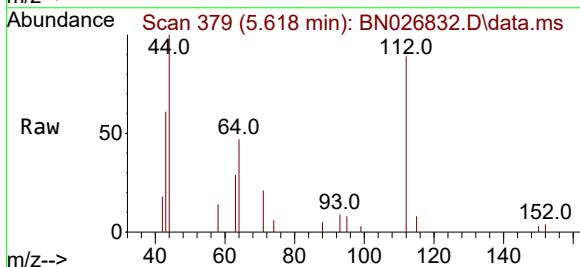
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BNA_N
ClientSampleId :
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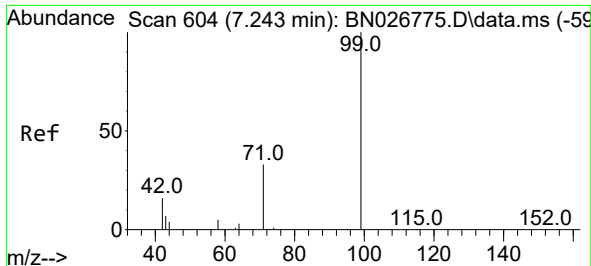
Tgt Ion: 42 Resp: 15437
Ion Ratio Lower Upper
42 100
74 0.6 106.4 159.6#
44 34.1 7.3 10.9#



#4
2-Fluorophenol
Concen: 0.118 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion: 112 Resp: 3329
Ion Ratio Lower Upper
112 100
64 50.9 42.2 63.2
63 27.1 22.7 34.1

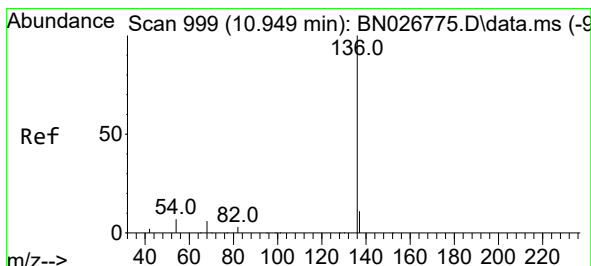
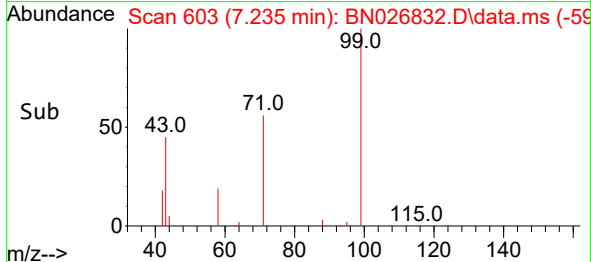
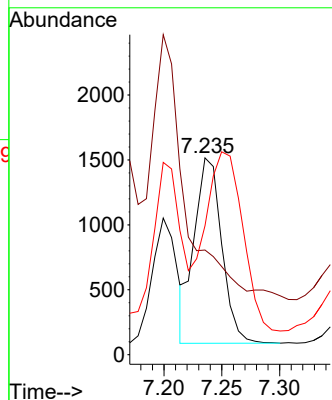
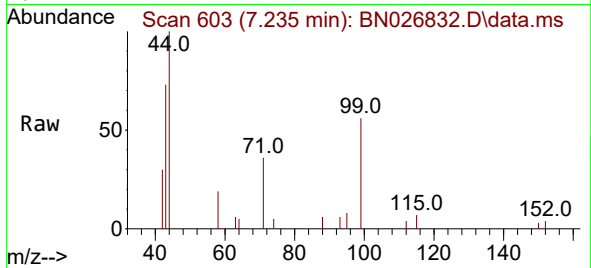




#5
Phenol-d6
Concen: 0.064 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

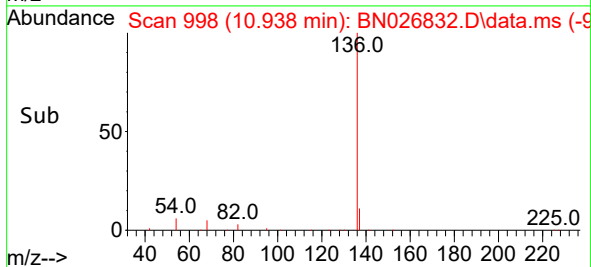
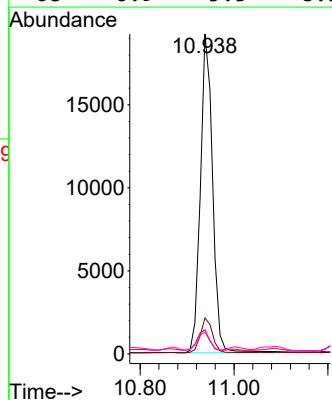
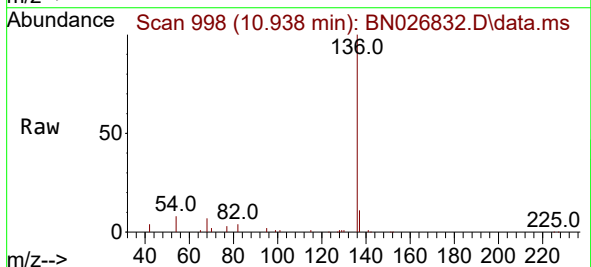
Instrument :
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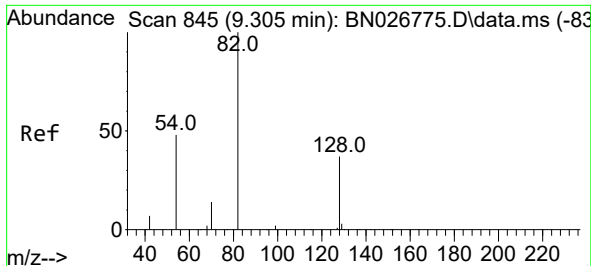
Tgt Ion: 99 Resp: 2356
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0#
71 133.2 26.6 40.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion: 136 Resp: 34724
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.5 6.2 9.2
68 6.9 5.5 8.3

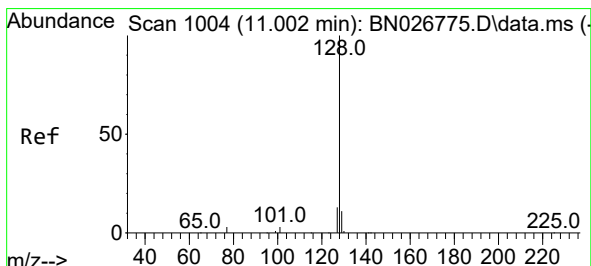
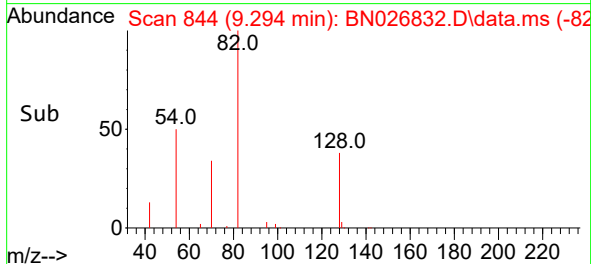
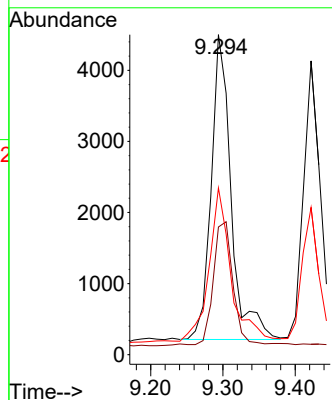
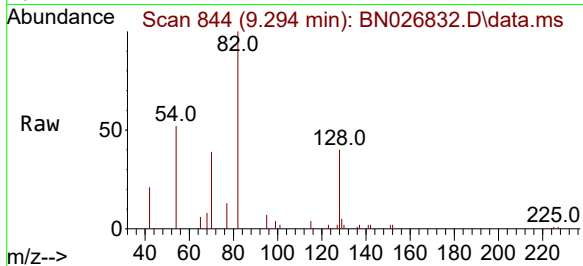




#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

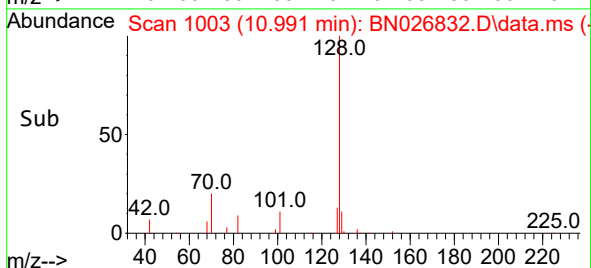
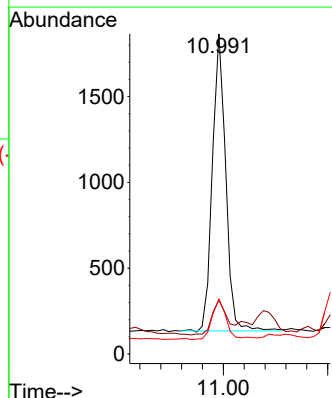
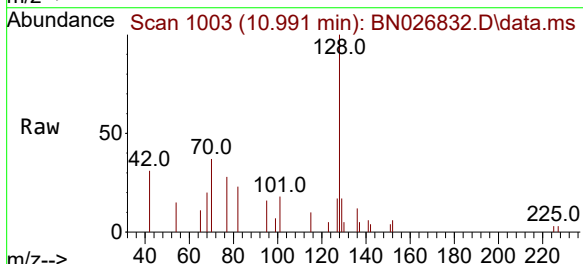
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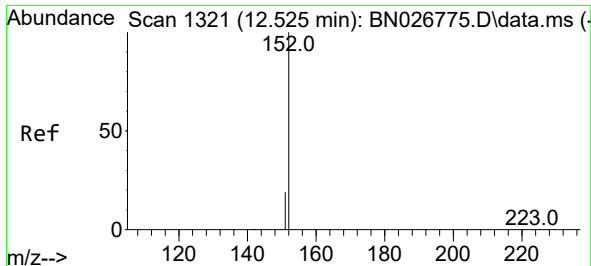
Tgt Ion: 82 Resp: 8215
Ion Ratio Lower Upper
82 100
128 39.9 30.5 45.7
54 52.1 39.4 59.2



#9
Naphthalene
Concen: 0.032 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion: 128 Resp: 3065
Ion Ratio Lower Upper
128 100
129 16.8 9.0 13.4#
127 17.2 10.6 16.0#





#11

2-Methylnaphthalene-d10

Concen: 0.337 ng

RT: 12.513 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

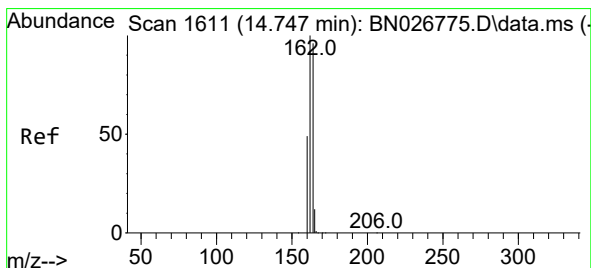
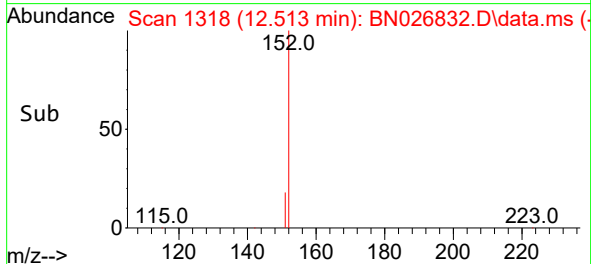
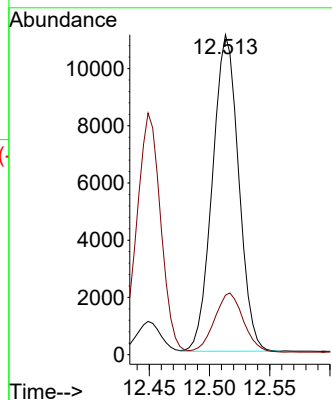
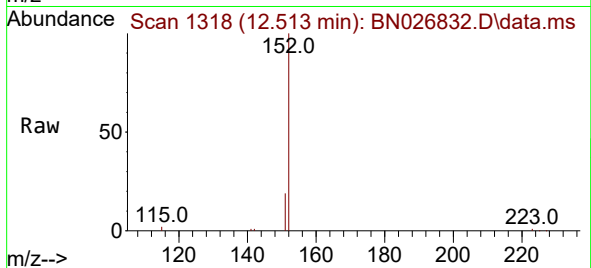
EQUIPMENT-BLANK-1

Tgt Ion:152 Resp: 16762

Ion Ratio Lower Upper

152 100

151 20.4 16.5 24.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.737 min Scan# 1610

Delta R.T. -0.011 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

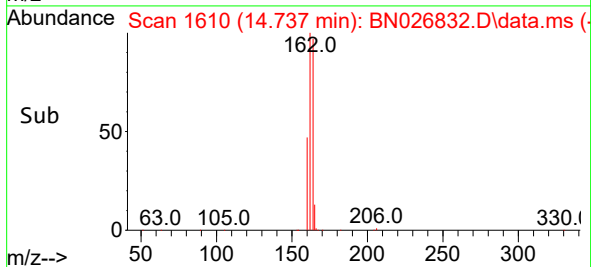
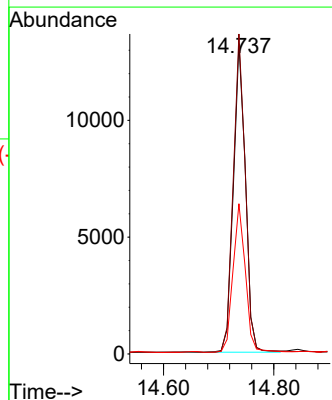
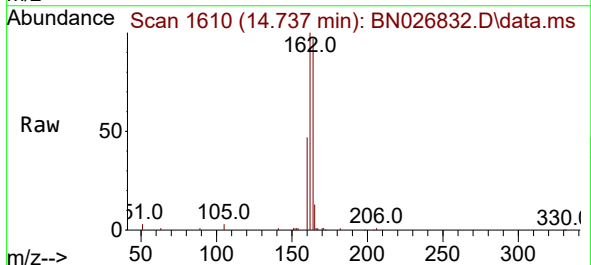
Tgt Ion:164 Resp: 20069

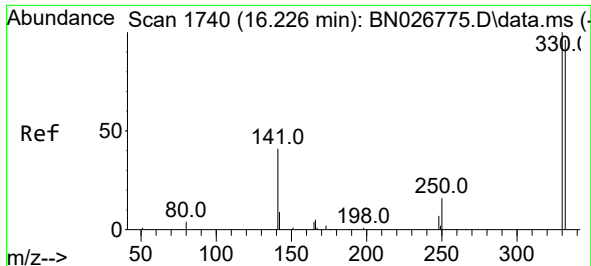
Ion Ratio Lower Upper

164 100

162 103.1 83.0 124.6

160 48.4 40.8 61.2

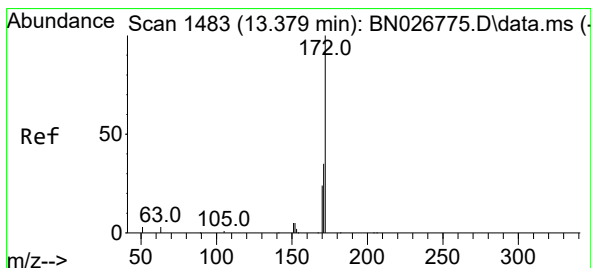
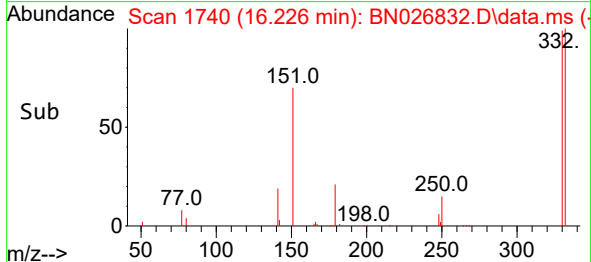
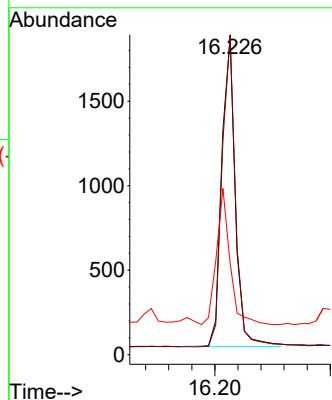
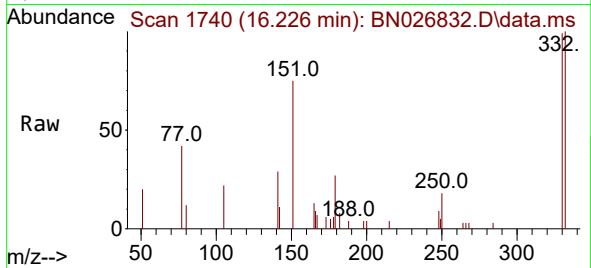




#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 16.226 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

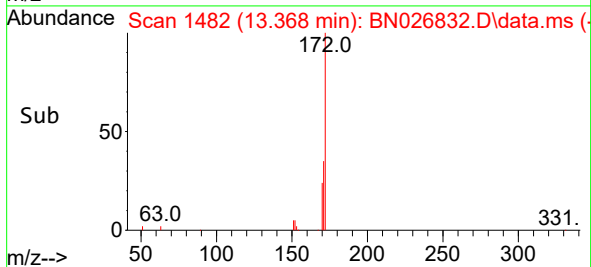
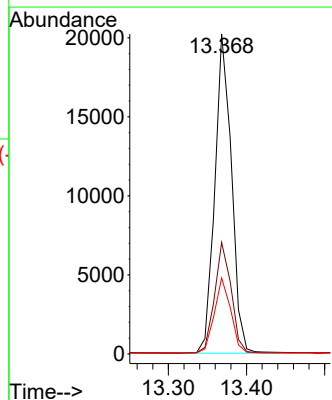
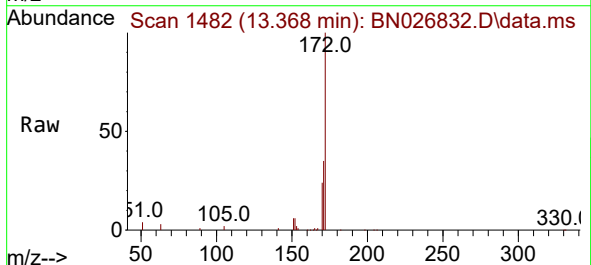
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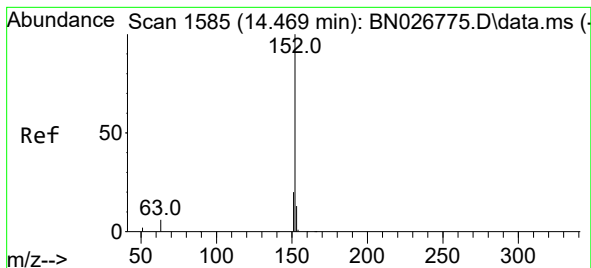
Tgt Ion:330 Resp: 3016
Ion Ratio Lower Upper
330 100
332 99.0 77.8 116.6
141 43.1 34.8 52.2



#15
2-Fluorobiphenyl
Concen: 0.364 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:172 Resp: 29791
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.8 19.2 28.8





#16

Acenaphthylene

Concen: 0.046 ng

RT: 14.469 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

EQUIPMENT-BLANK-1

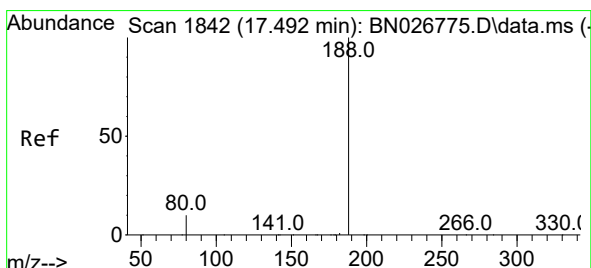
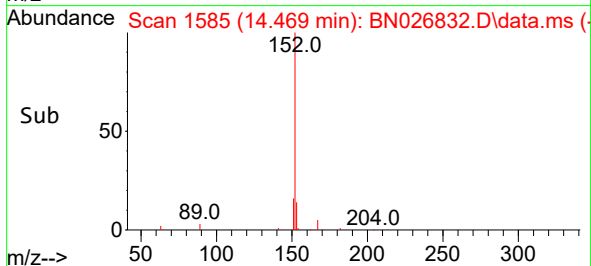
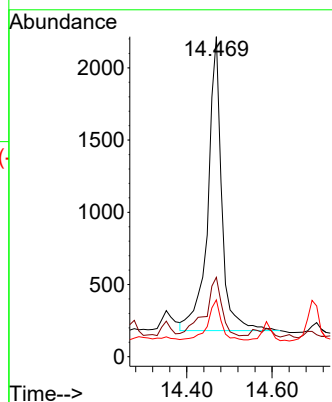
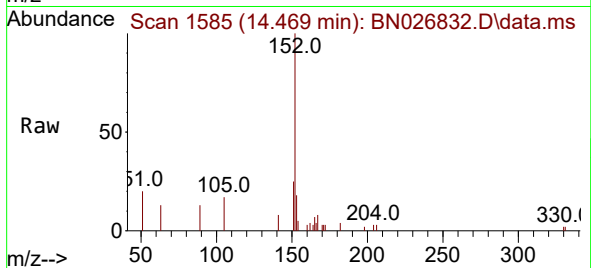
Tgt Ion:152 Resp: 4568

Ion Ratio Lower Upper

152 100

151 23.6 15.7 23.5#

153 13.1 10.5 15.7



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.480 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

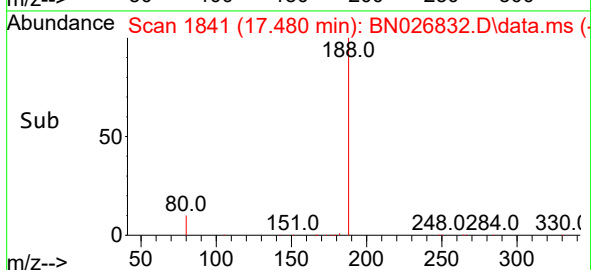
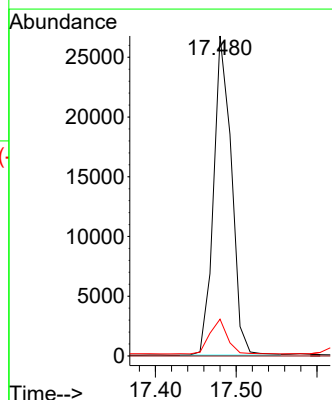
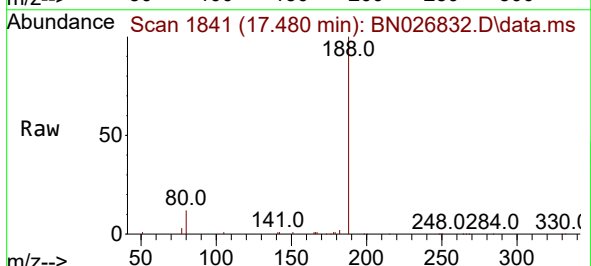
Tgt Ion:188 Resp: 41148

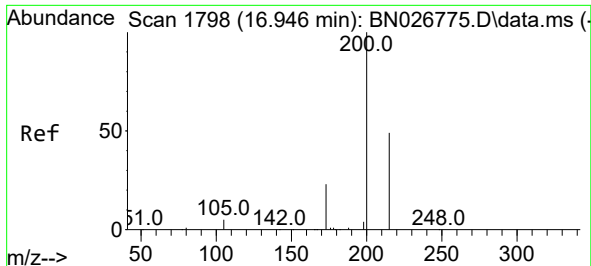
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 8.0 12.0

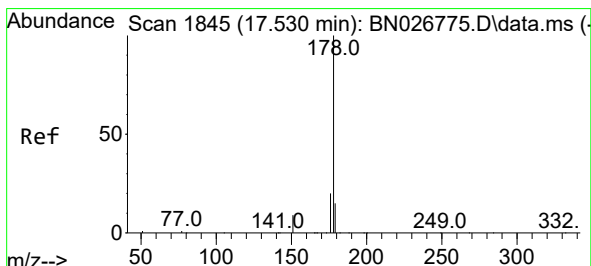
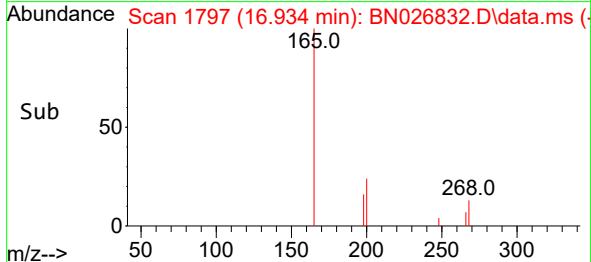
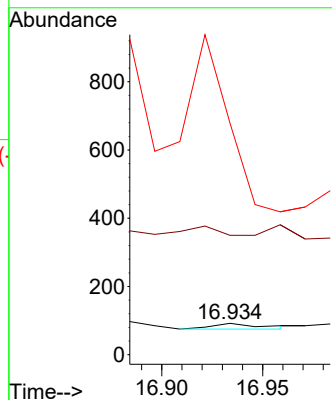
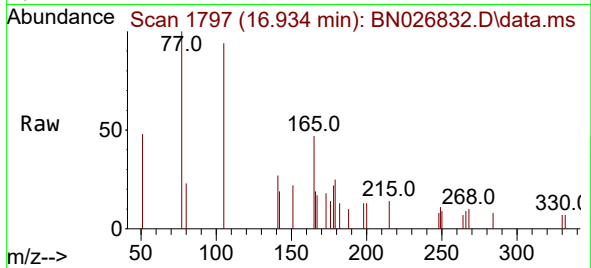




#20
4,6-Dinitro-2-methylphenol
Concen: 0.045 ng
RT: 16.934 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

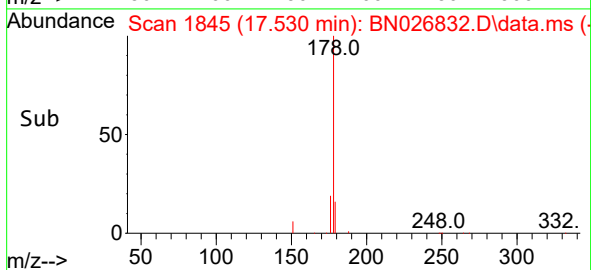
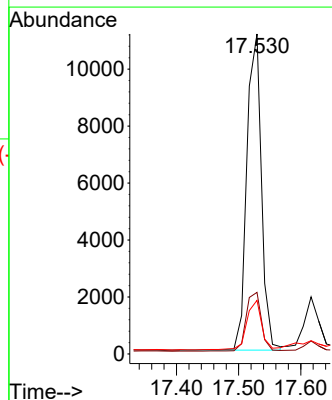
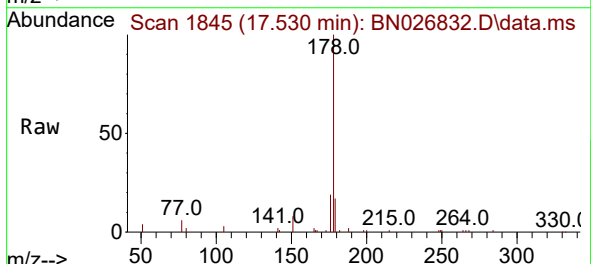
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1

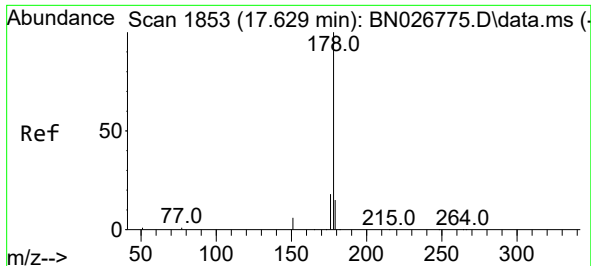
Tgt Ion:198 Resp: 30
Ion Ratio Lower Upper
198 100
51 380.4 150.5 225.7#
105 738.0 165.0 247.6#



#25
Phenanthrene
Concen: 0.145 ng
RT: 17.530 min Scan# 1845
Delta R.T. -0.000 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:178 Resp: 18143
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 16.5 12.2 18.2

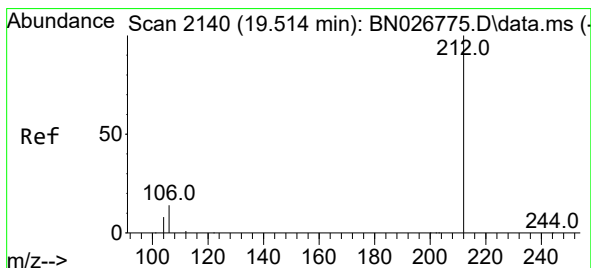
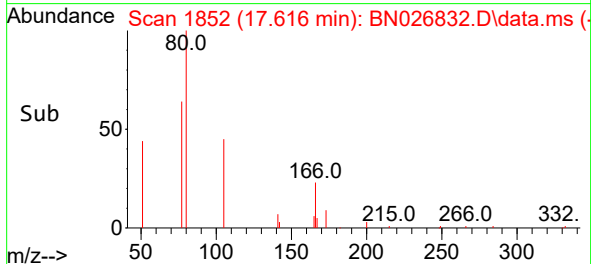
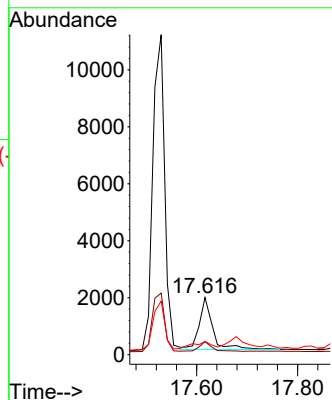
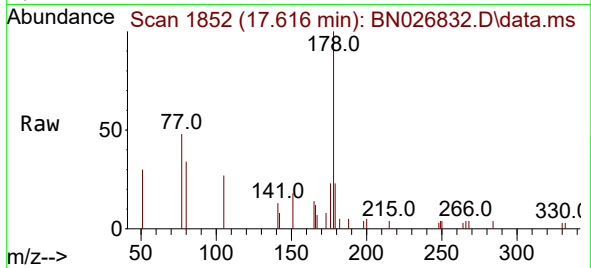




#26
 Anthracene
 Concen: 0.030 ng
 RT: 17.616 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

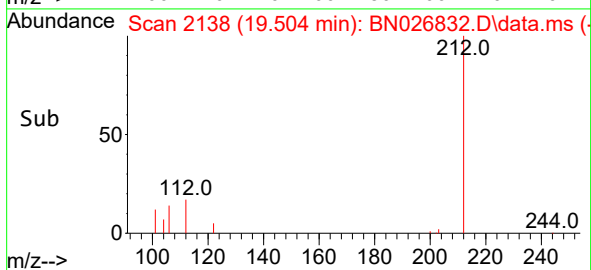
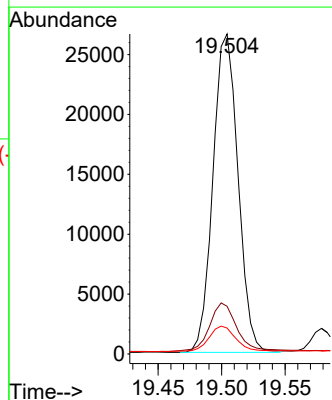
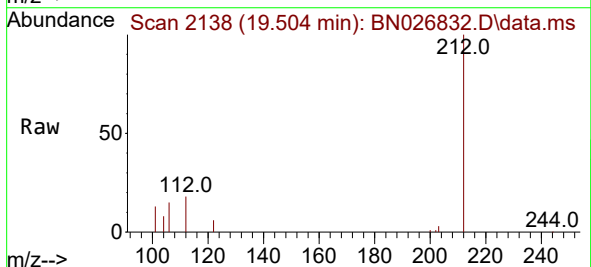
Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1

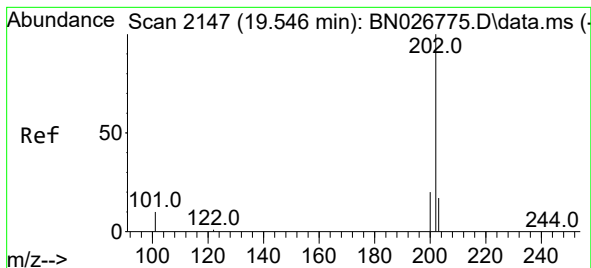
Tgt Ion:178 Resp: 3367
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.9 22.3
 179 18.2 12.2 18.2



#27
 Fluoranthene-d10
 Concen: 0.370 ng
 RT: 19.504 min Scan# 2138
 Delta R.T. -0.009 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

Tgt Ion:212 Resp: 36513
 Ion Ratio Lower Upper
 212 100
 106 17.0 11.7 17.5
 104 9.0 6.4 9.6





#28

Fluoranthene

Concen: 0.121 ng

RT: 19.532 min Scan# 2144

Delta R.T. -0.014 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

EQUIPMENT-BLANK-1

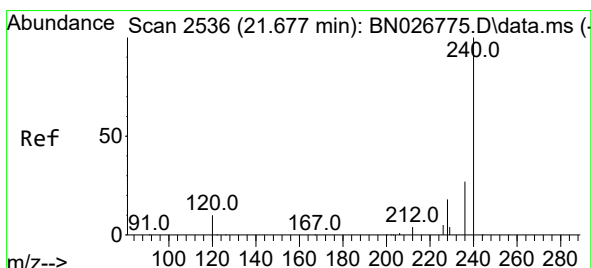
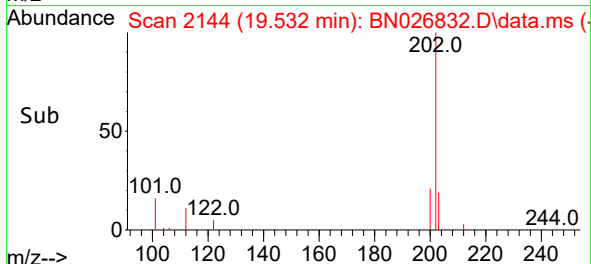
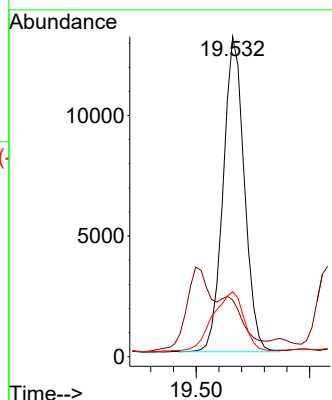
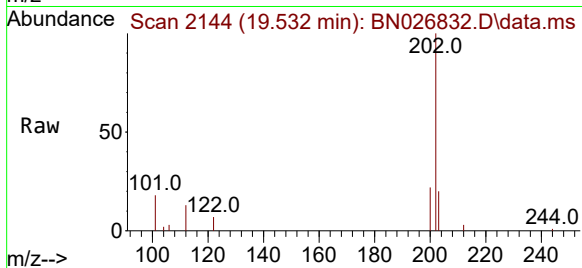
Tgt Ion:202 Resp: 16872

Ion Ratio Lower Upper

202 100

101 0.0 9.2 13.8#

203 28.1 13.7 20.5#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 2534

Delta R.T. -0.018 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

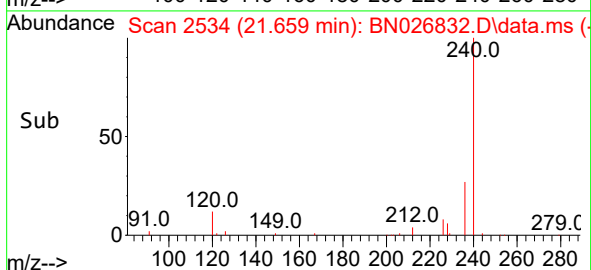
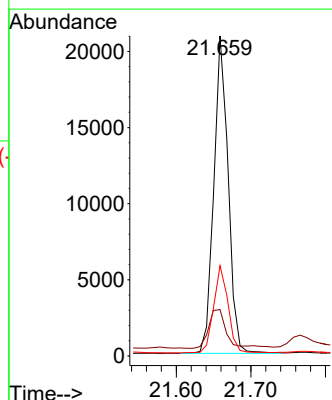
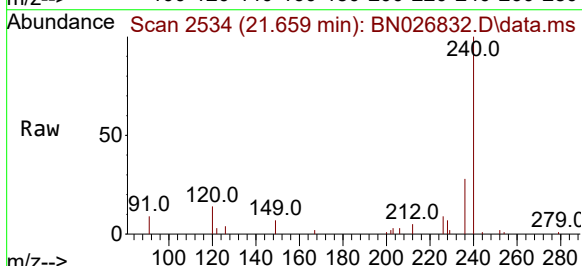
Tgt Ion:240 Resp: 27830

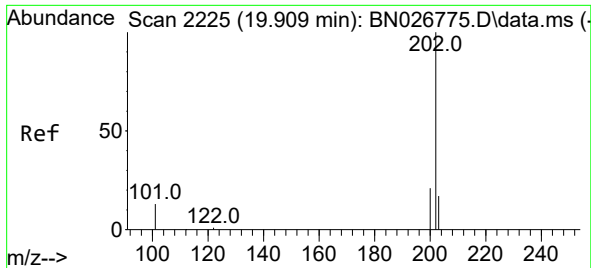
Ion Ratio Lower Upper

240 100

120 14.5 9.2 13.8#

236 28.2 21.9 32.9

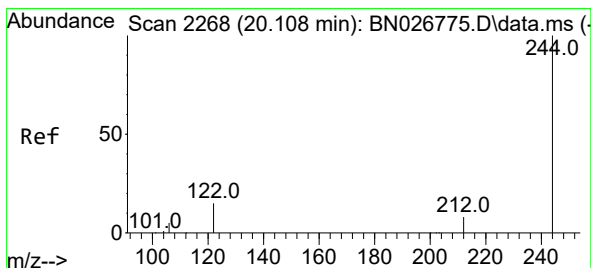
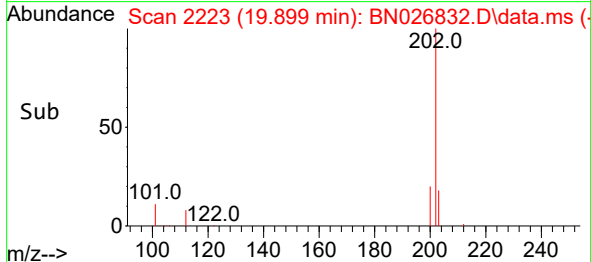
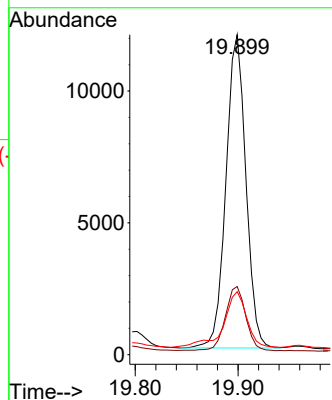
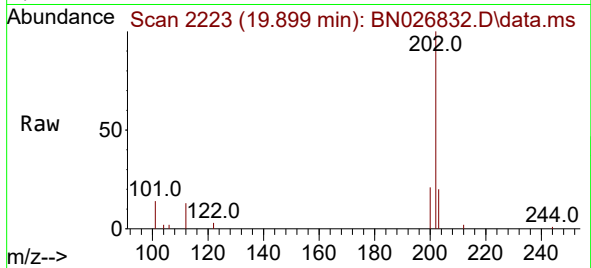




#30
 Pyrene
 Concen: 0.133 ng
 RT: 19.899 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

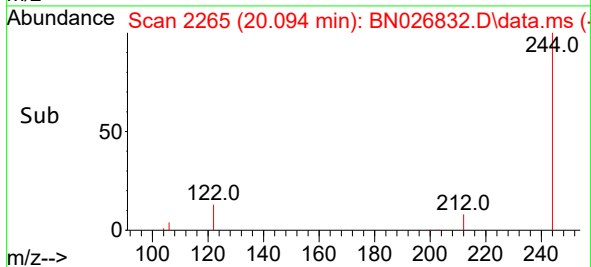
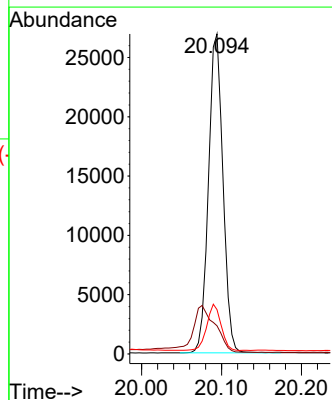
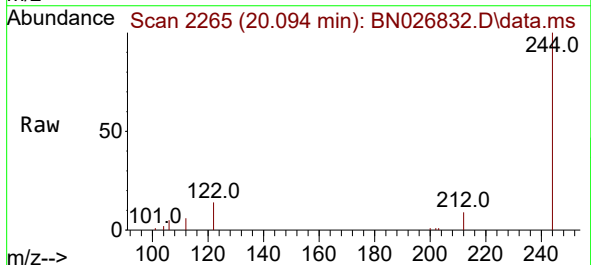
Instrument :
 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1

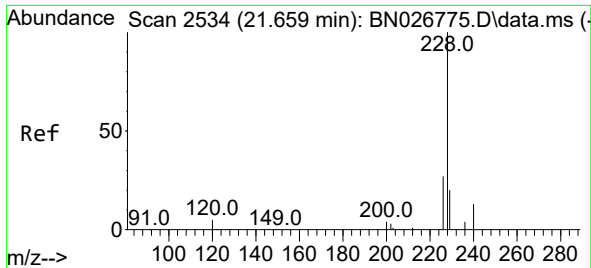
Tgt Ion:202 Resp: 15993
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 20.7 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.582 ng
 RT: 20.094 min Scan# 2265
 Delta R.T. -0.014 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

Tgt Ion:244 Resp: 33746
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.4
 122 13.8 12.3 18.5

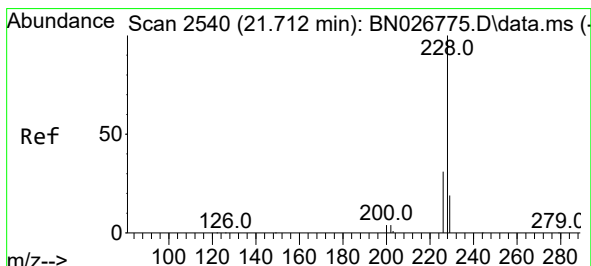
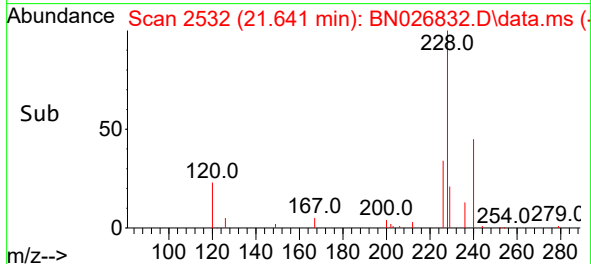
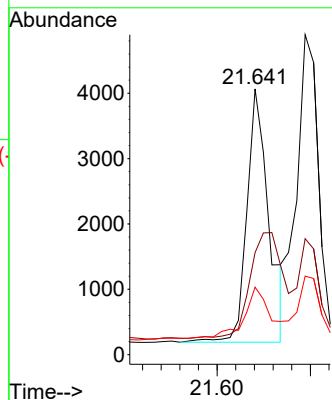
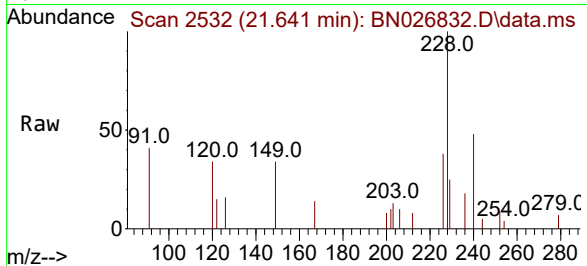




#32
Benzo(a)anthracene
Concen: 0.066 ng
RT: 21.641 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

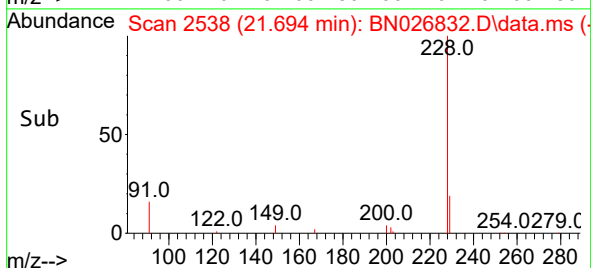
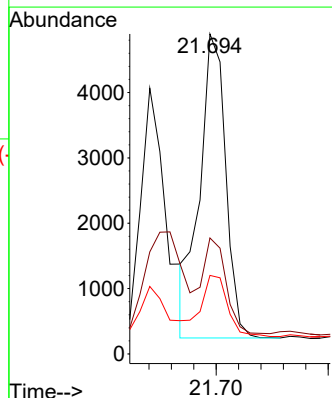
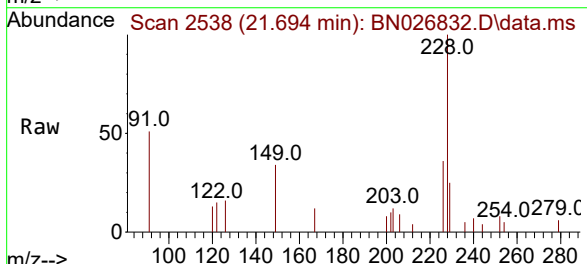
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1

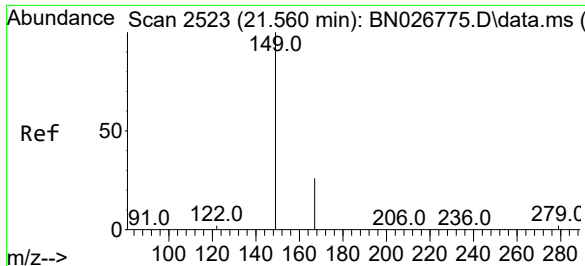
Tgt Ion:228 Resp: 6296
Ion Ratio Lower Upper
228 100
226 38.4 21.9 32.9#
229 25.4 15.8 23.8#



#33
Chrysene
Concen: 0.071 ng
RT: 21.694 min Scan# 2538
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:228 Resp: 7510
Ion Ratio Lower Upper
228 100
226 36.2 24.6 36.8
229 24.6 15.4 23.2#

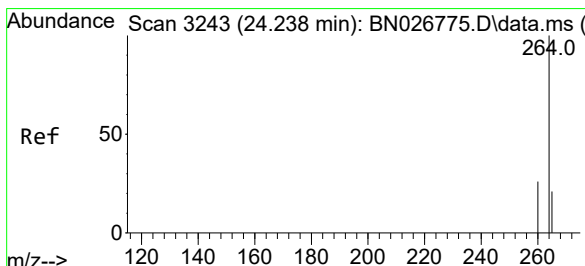
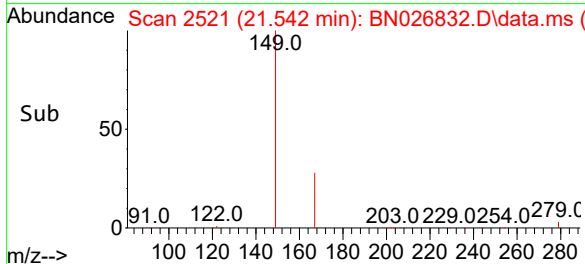
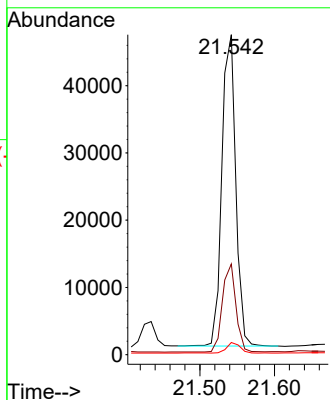
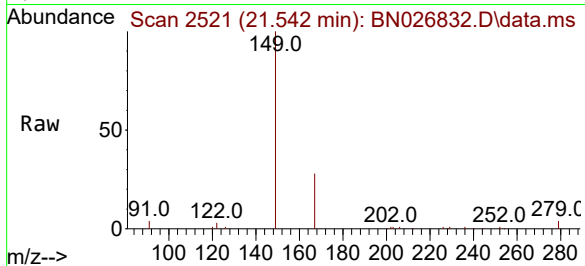




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.897 ng
 RT: 21.542 min Scan# 2154
 Delta R.T. -0.018 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

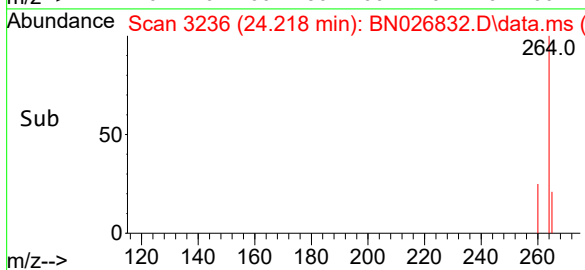
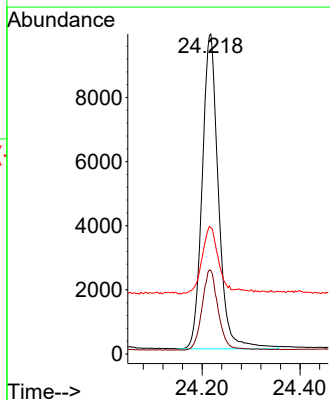
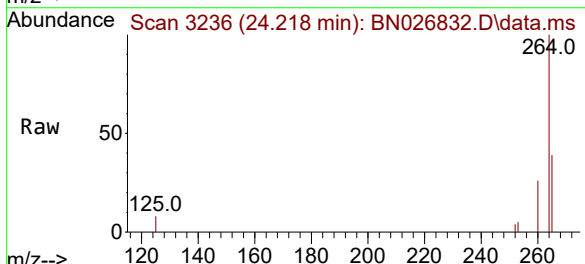
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 BNA_N
 ClientSampleId :
 EQUIPMENT-BLANK-1

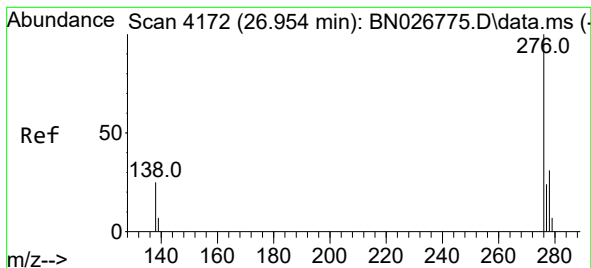
Tgt Ion:149 Resp: 60070
 Ion Ratio Lower Upper
 149 100
 167 27.6 20.8 31.2
 279 3.2 2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.218 min Scan# 3236
 Delta R.T. -0.021 min
 Lab File: BN026832.D
 Acq: 07 Aug 2023 15:52

Tgt Ion:264 Resp: 22607
 Ion Ratio Lower Upper
 264 100
 260 26.1 21.0 31.6
 265 39.5 22.6 33.8#

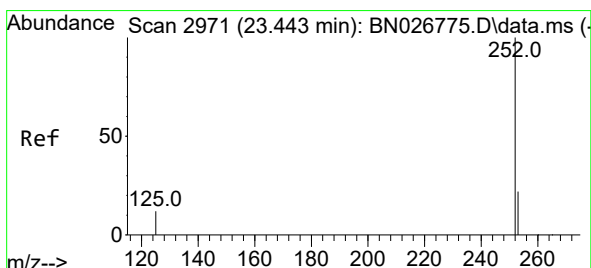
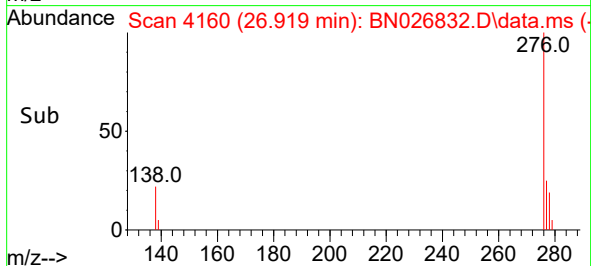
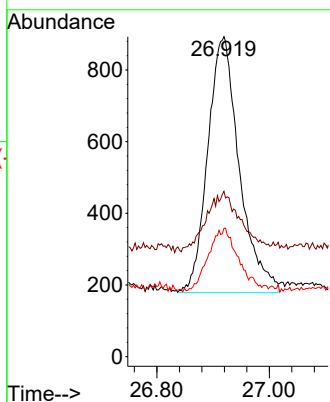
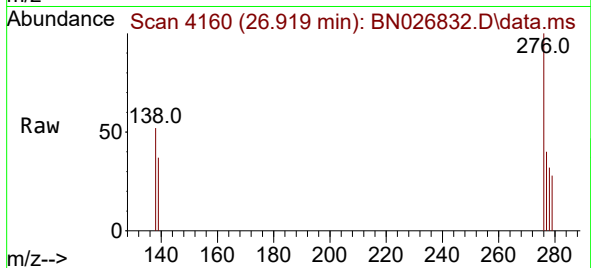




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.030 ng
RT: 26.919 min Scan# 4172
Delta R.T. -0.035 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

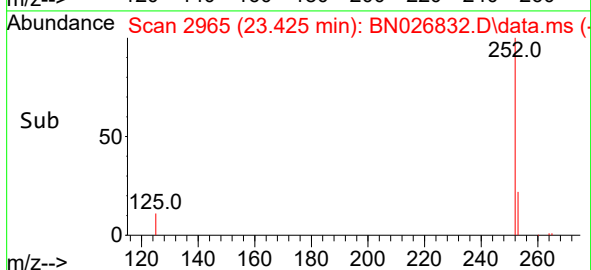
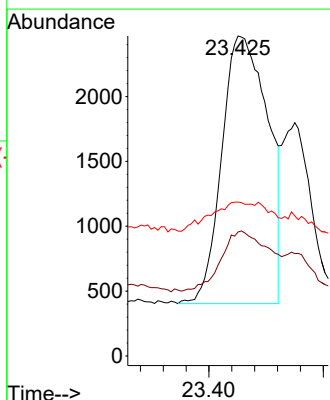
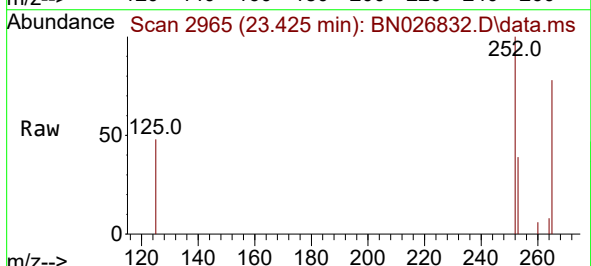
Instrument :
BNA_N
ClientSampleId :
EQUIPMENT-BLANK-1

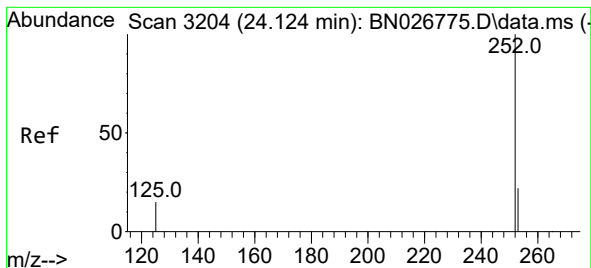
Tgt Ion:276 Resp: 2782
Ion Ratio Lower Upper
276 100
138 0.0 22.8 34.2#
277 21.3 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.065 ng
RT: 23.425 min Scan# 2965
Delta R.T. -0.018 min
Lab File: BN026832.D
Acq: 07 Aug 2023 15:52

Tgt Ion:252 Resp: 5769
Ion Ratio Lower Upper
252 100
253 38.8 17.8 26.8#
125 48.1 10.8 16.2#





#39

Benzo(a)pyrene

Concen: 0.030 ng

RT: 24.098 min Scan# 31

Delta R.T. -0.026 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Instrument :

BNA_N

ClientSampleId :

EQUIPMENT-BLANK-1

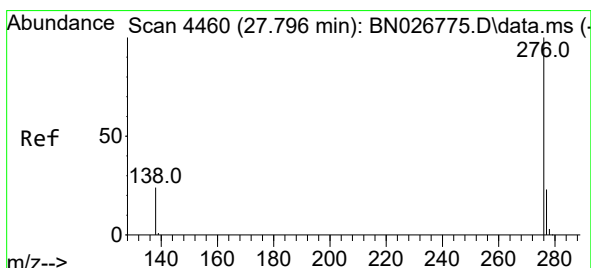
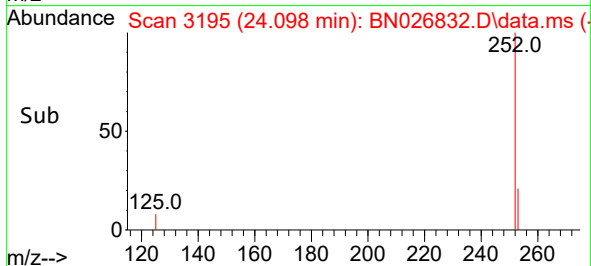
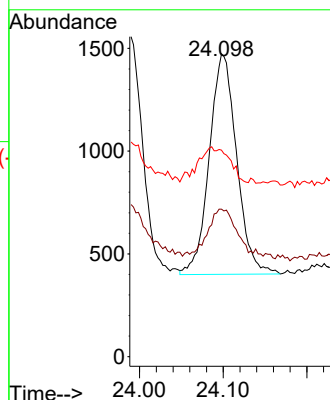
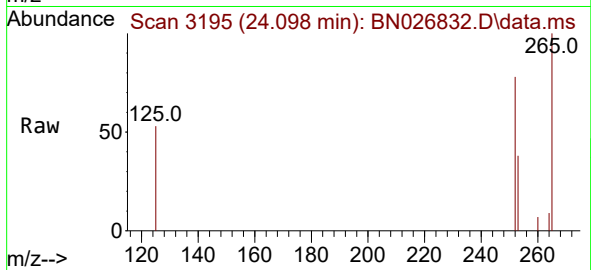
Tgt Ion:252 Resp: 2442

Ion Ratio Lower Upper

252 100

253 48.7 18.5 27.7#

125 68.2 12.7 19.1#



#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 27.755 min Scan# 4446

Delta R.T. -0.041 min

Lab File: BN026832.D

Acq: 07 Aug 2023 15:52

Tgt Ion:276 Resp: 2247

Ion Ratio Lower Upper

276 100

277 44.1 19.1 28.7#

138 56.9 19.8 29.6#

