

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072423\
 Data File : BN026730.D
 Acq On : 25 Jul 2023 02:26
 Operator : MA/JU
 Sample : 03630-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20230713

Quant Time: Jul 25 03:27:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 23:51:48 2023
 Response via : Initial Calibration

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

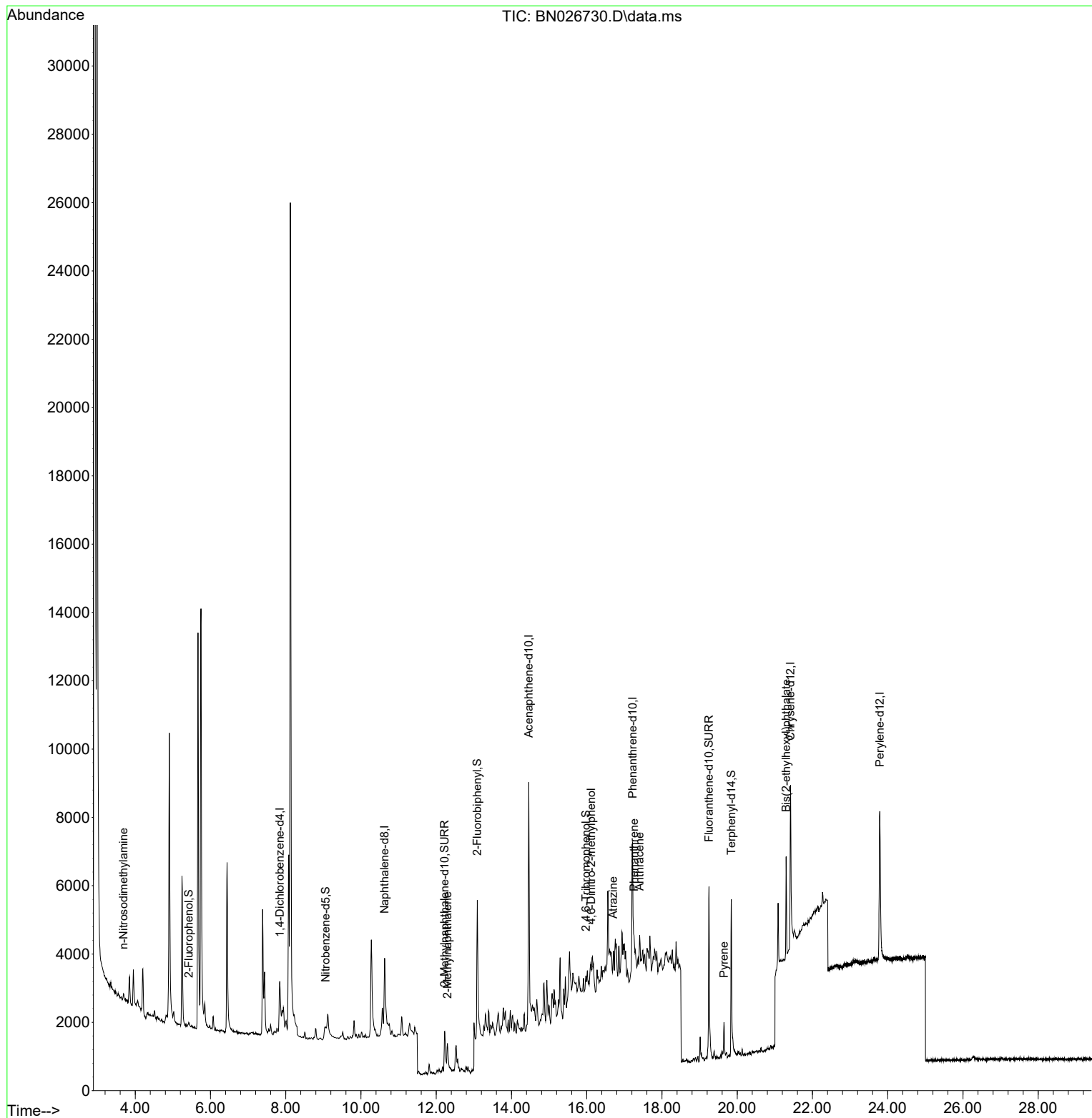
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	1621	0.400	ng	0.00
7) Naphthalene-d8	10.629	136	5318	0.400	ng	0.00
13) Acenaphthene-d10	14.459	164	4138	0.400	ng	0.00
19) Phenanthrene-d10	17.219	188	8594	0.400	ng	# 0.00
29) Chrysene-d12	21.417	240	6490	0.400	ng	# 0.00
35) Perylene-d12	23.788	264	7373	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	146	0.037	ng	0.00
5) Phenol-d6	7.012	99	5	0.001	ng	-0.03
8) Nitrobenzene-d5	9.059	82	981	0.216	ng	0.02
11) 2-Methylnaphthalene-d10	12.222	152	2881	0.371	ng	0.00
14) 2,4,6-Tribromophenol	15.978	330	53	0.035	ng	0.00
15) 2-Fluorobiphenyl	13.090	172	4895	0.306	ng	-0.01
27) Fluoranthene-d10	19.249	212	7843	0.431	ng	0.00
31) Terphenyl-d14	19.844	244	6370	0.384	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.689	42	59	0.034	ng	# 26
12) 2-Methylnaphthalene	12.298	142	757	0.075	ng	# 86
20) 4,6-Dinitro-2-methylph...	16.115	198	48	0.096	ng	# 1
23) Atrazine	16.698	200	225	0.053	ng	# 57
25) Phenanthrene	17.257	178	886	0.035	ng	# 73
26) Anthracene	17.406	178	587	0.026	ng	# 1
30) Pyrene	19.648	202	1171	0.033	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.301	149	2836	0.136	ng	# 94

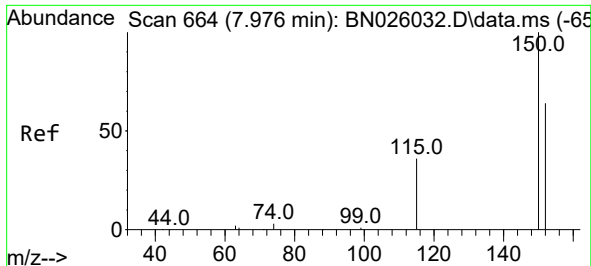
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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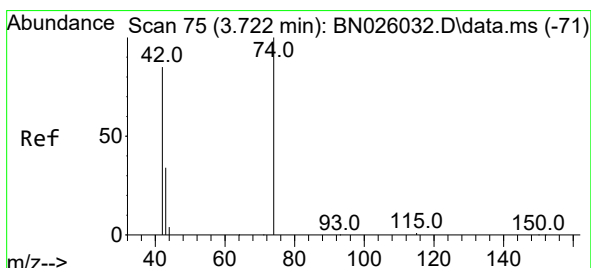
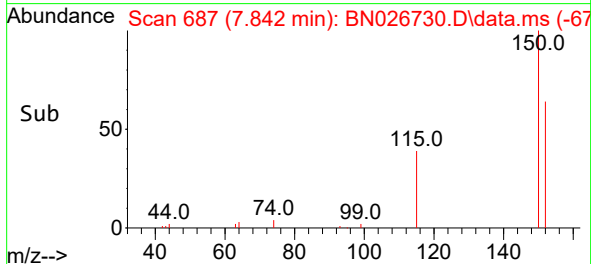
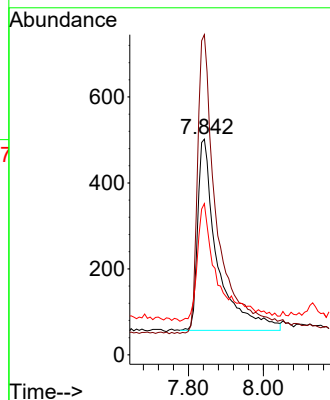
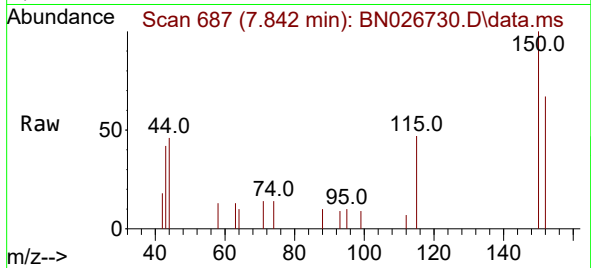




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.842 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

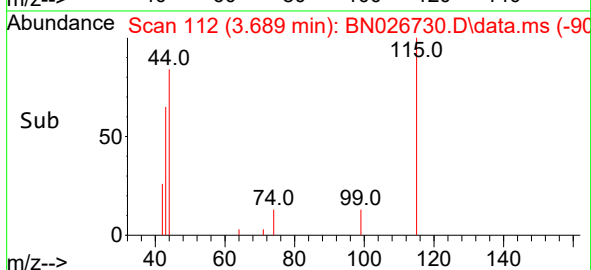
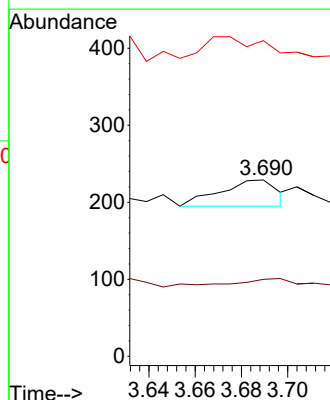
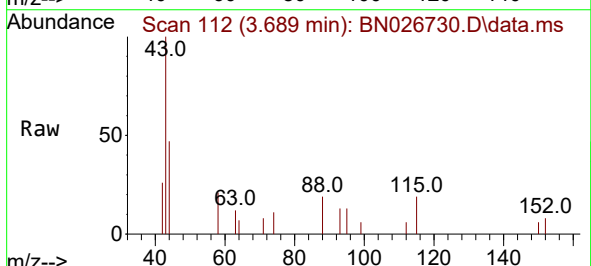
Instrument :
BNA_N
ClientSampleId :
SP-201-20230713

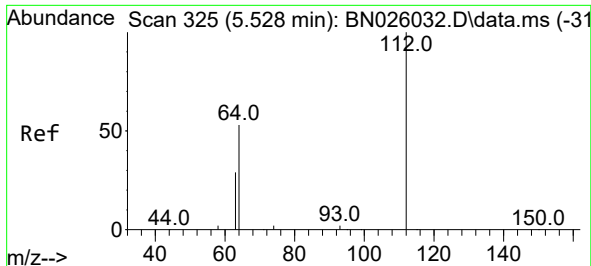
Tgt Ion:152 Resp: 1621
Ion Ratio Lower Upper
152 100
150 148.4 124.7 187.1
115 70.1 48.2 72.4



#3
n-Nitrosodimethylamine
Concen: 0.034 ng
RT: 3.689 min Scan# 112
Delta R.T. 0.058 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
74 33.9 93.8 140.8#
44 0.0 3.0 4.4#

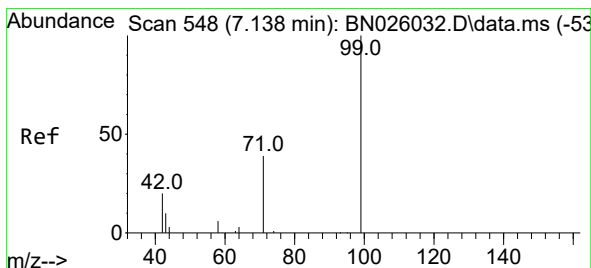
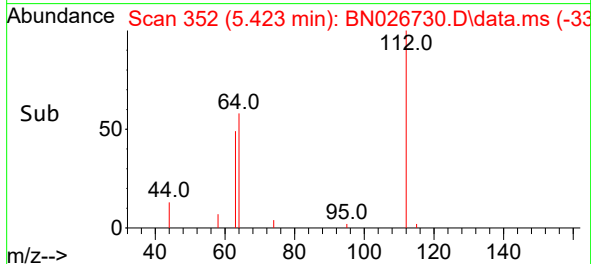
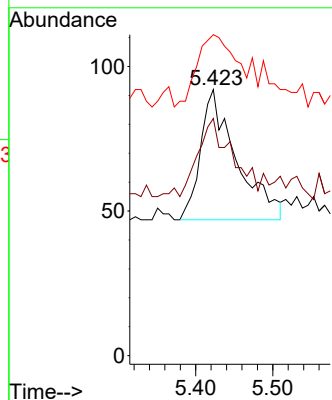
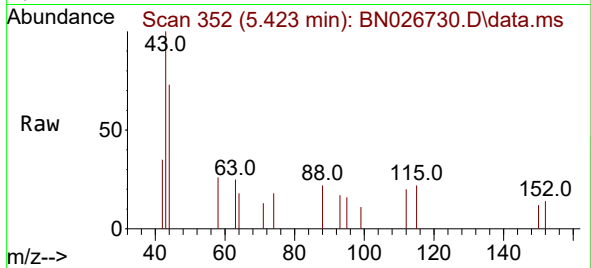




#4
2-Fluorophenol
Concen: 0.037 ng
RT: 5.423 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

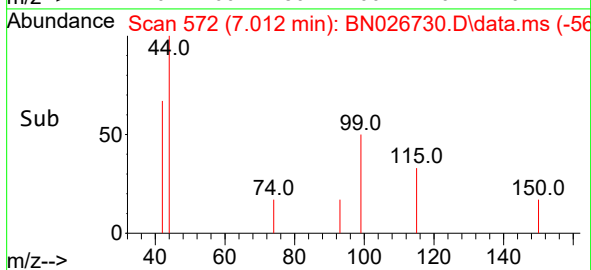
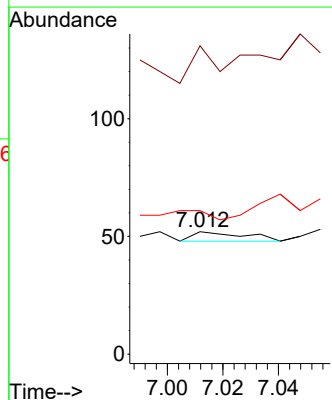
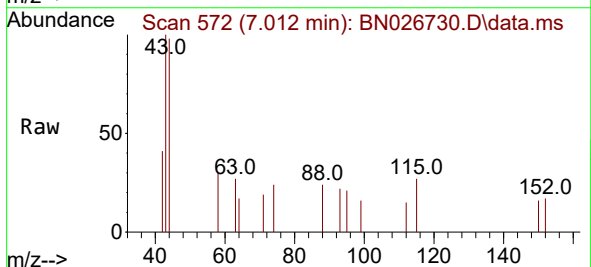
Instrument :
BNA_N
ClientSampleId :
SP-201-20230713

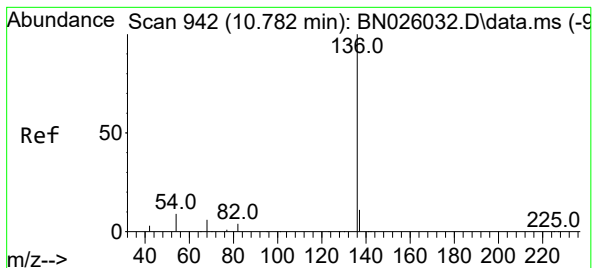
Tgt Ion:112 Resp: 146
Ion Ratio Lower Upper
112 100
64 57.5 45.8 68.6
63 59.6 27.4 41.2#



#5
Phenol-d6
Concen: 0.001 ng
RT: 7.012 min Scan# 572
Delta R.T. -0.029 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

Tgt Ion: 99 Resp: 5
Ion Ratio Lower Upper
99 100
42 0.0 18.4 27.6#
71 60.0 30.6 46.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.629 min Scan# 9

Delta R.T. 0.000 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

Instrument :

BNA_N

ClientSampleId :

SP-201-20230713

Tgt Ion:136 Resp: 5318

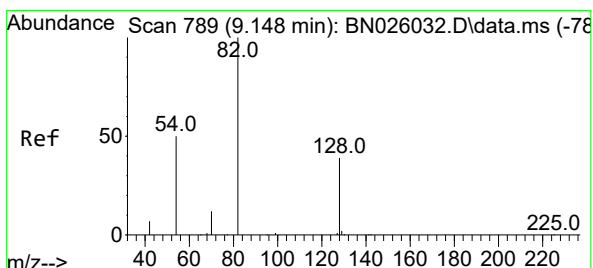
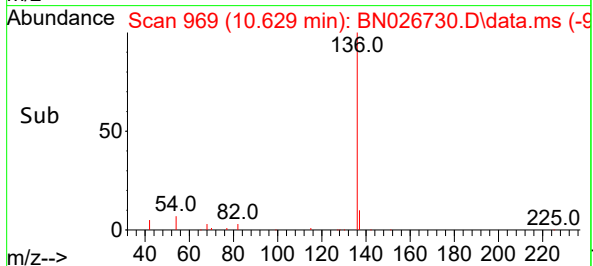
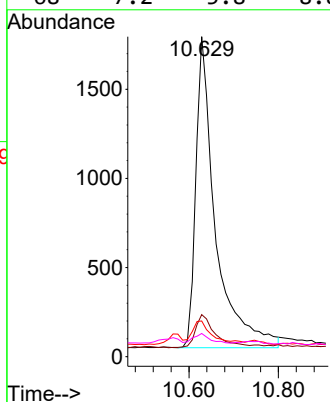
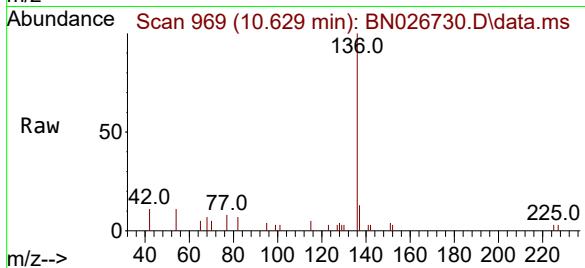
Ion Ratio Lower Upper

136 100

137 13.1 9.0 13.4

54 11.1 7.8 11.6

68 7.2 5.8 8.8



#8

Nitrobenzene-d5

Concen: 0.216 ng

RT: 9.059 min Scan# 822

Delta R.T. 0.022 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

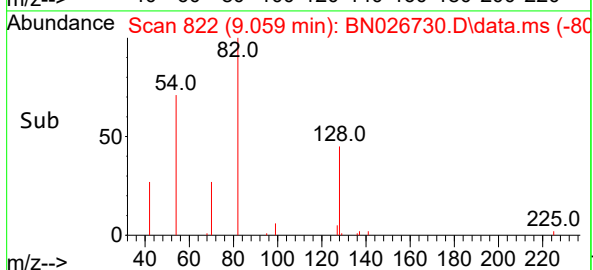
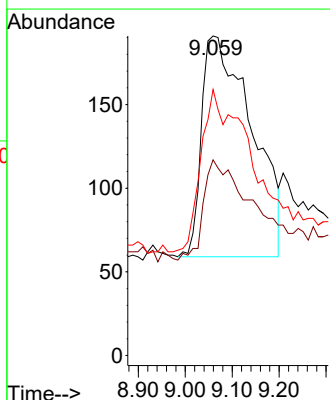
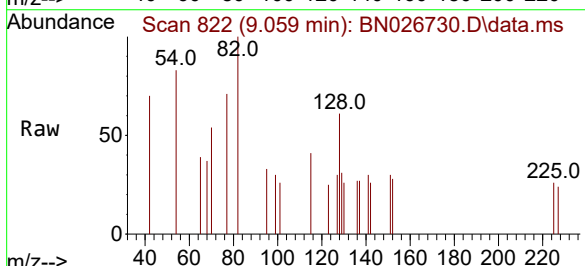
Tgt Ion: 82 Resp: 981

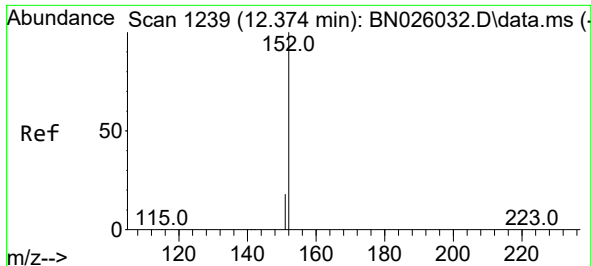
Ion Ratio Lower Upper

82 100

128 61.3 33.4 50.2#

54 83.2 41.7 62.5#





#11

2-Methylnaphthalene-d10

Concen: 0.371 ng

RT: 12.222 min Scan# 11

Delta R.T. -0.007 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

Instrument :

BNA_N

ClientSampleId :

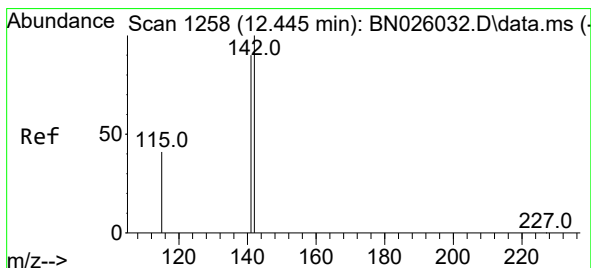
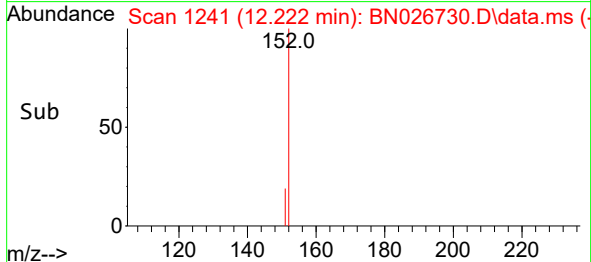
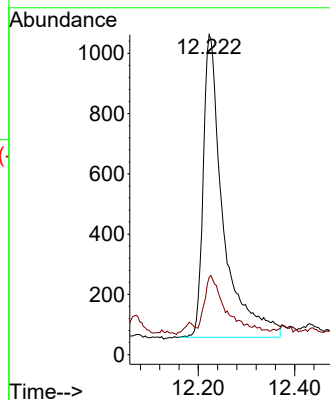
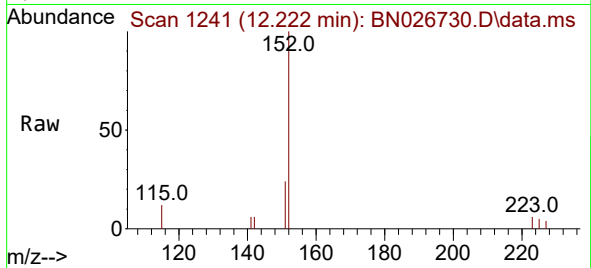
SP-201-20230713

Tgt Ion:152 Resp: 2881

Ion Ratio Lower Upper

152 100

151 17.1 16.2 24.2



#12

2-Methylnaphthalene

Concen: 0.075 ng

RT: 12.298 min Scan# 1261

Delta R.T. -0.004 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

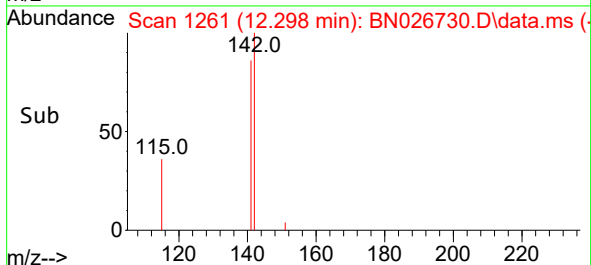
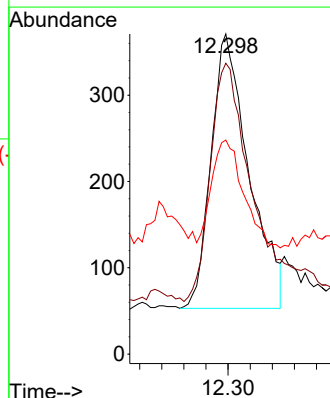
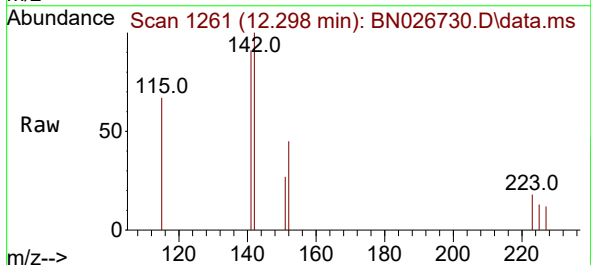
Tgt Ion:142 Resp: 757

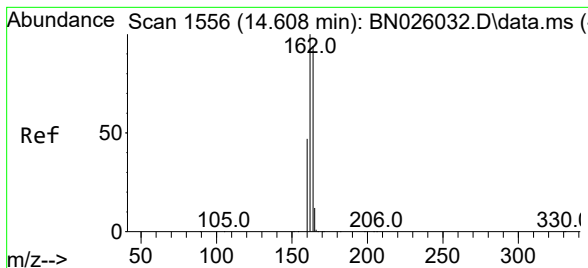
Ion Ratio Lower Upper

142 100

141 90.8 71.7 107.5

115 66.8 33.4 50.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.459 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

Instrument :

BNA_N

ClientSampleId :

SP-201-20230713

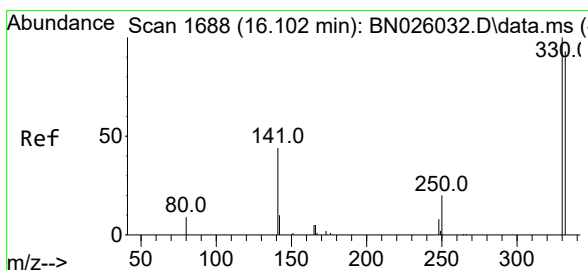
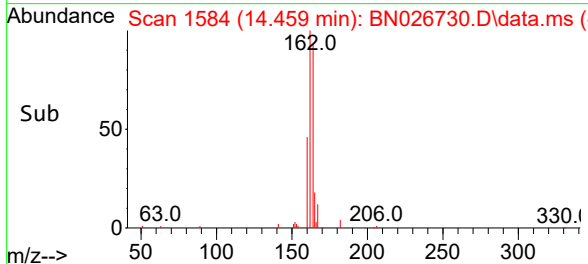
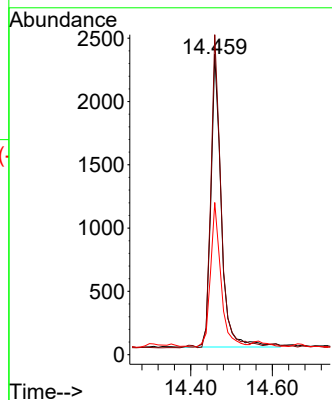
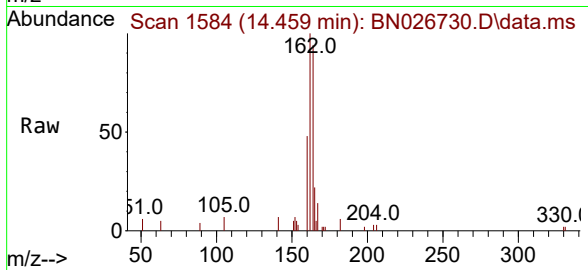
Tgt Ion:164 Resp: 4138

Ion Ratio Lower Upper

164 100

162 106.5 85.3 127.9

160 50.7 40.0 60.0



#14

2,4,6-Tribromophenol

Concen: 0.035 ng

RT: 15.978 min Scan# 1720

Delta R.T. 0.000 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

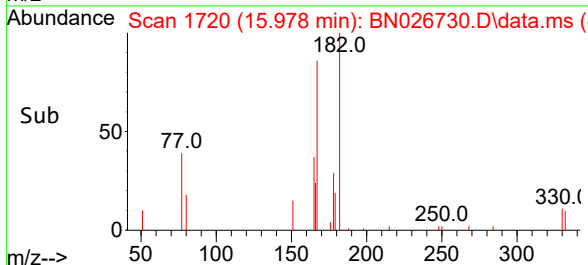
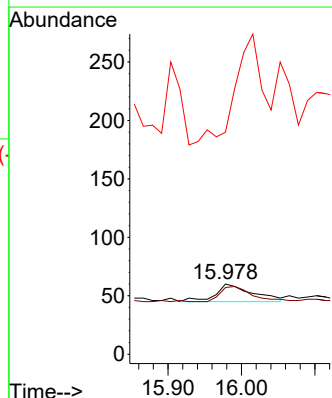
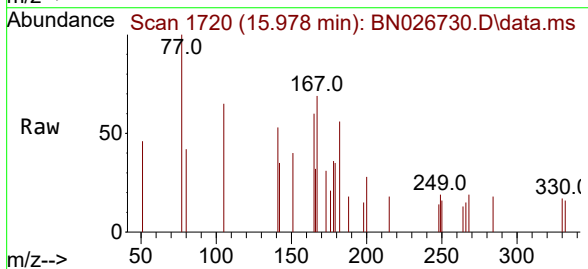
Tgt Ion:330 Resp: 53

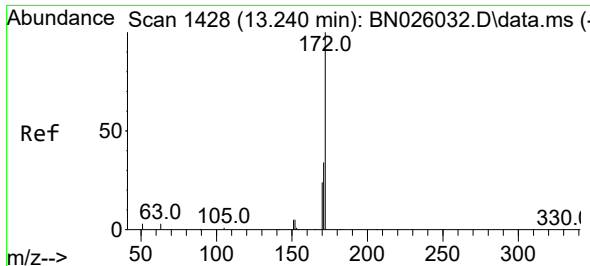
Ion Ratio Lower Upper

330 100

332 73.6 76.0 114.0#

141 0.0 42.8 64.2#

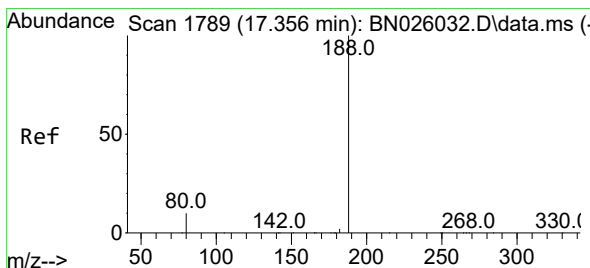
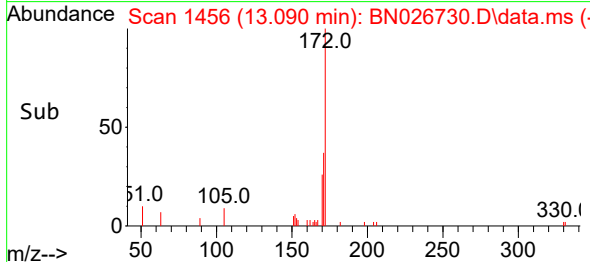
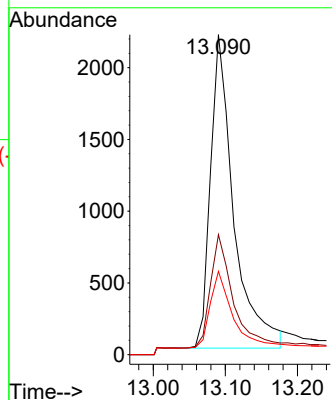
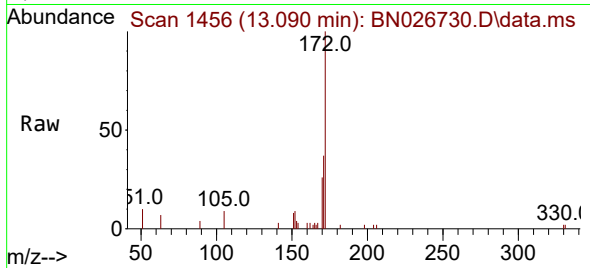




#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 13.090 min Scan# 1428
Delta R.T. -0.010 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

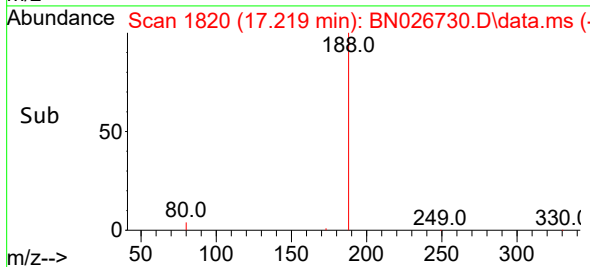
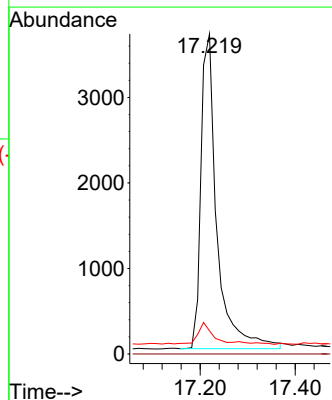
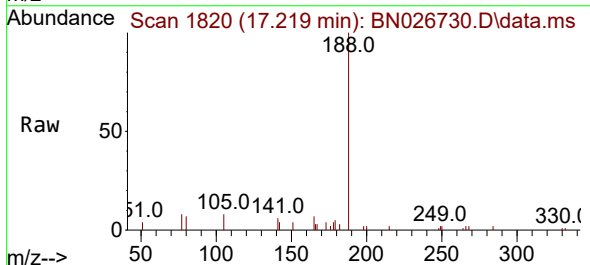
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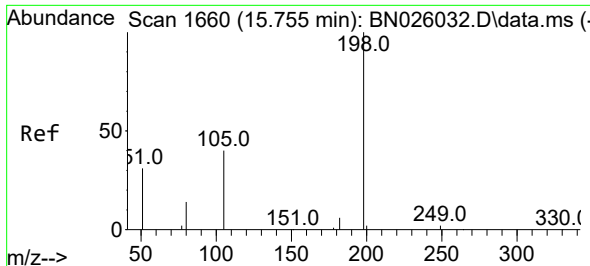
Tgt Ion:172 Resp: 4895
Ion Ratio Lower Upper
172 100
171 37.5 27.8 41.8
170 26.1 19.3 28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.219 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

Tgt Ion:188 Resp: 8594
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.2 8.6 13.0#

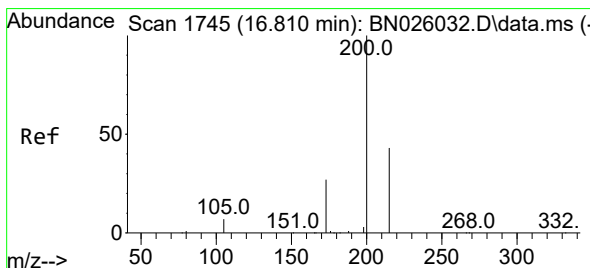
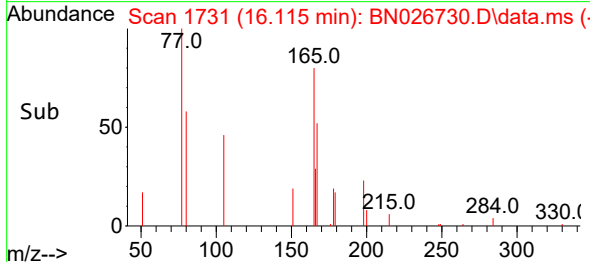
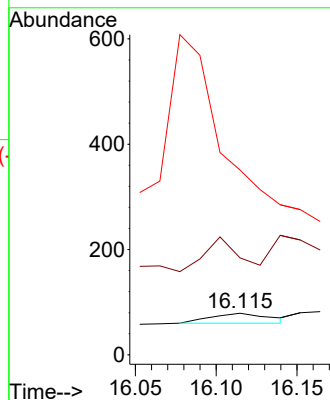
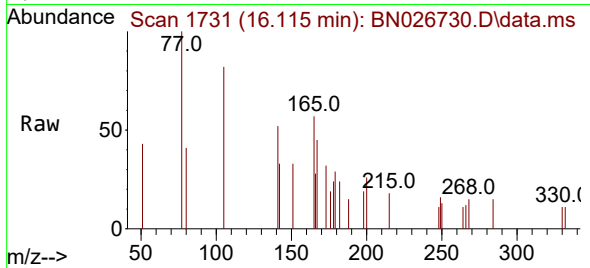




#20
4,6-Dinitro-2-methylphenol
Concen: 0.096 ng
RT: 16.115 min Scan# 1731
Delta R.T. -0.037 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

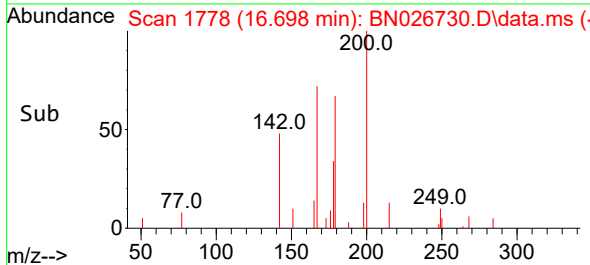
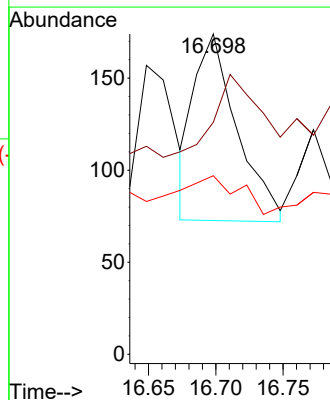
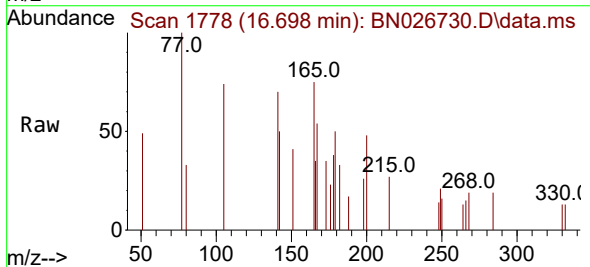
Instrument :
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SP-201-20230713

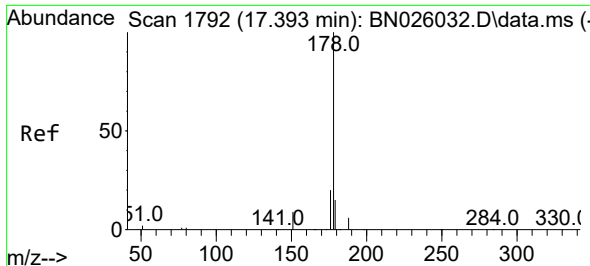
Tgt Ion:198 Resp: 48
Ion Ratio Lower Upper
198 100
51 232.9 85.8 128.8#
105 444.3 48.2 72.2#



#23
Atrazine
Concen: 0.053 ng
RT: 16.698 min Scan# 1778
Delta R.T. 0.013 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

Tgt Ion:200 Resp: 225
Ion Ratio Lower Upper
200 100
173 72.4 22.9 34.3#
215 55.7 35.5 53.3#

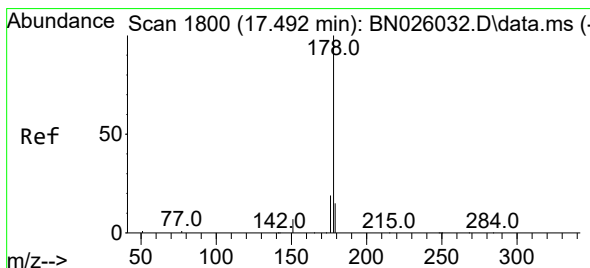
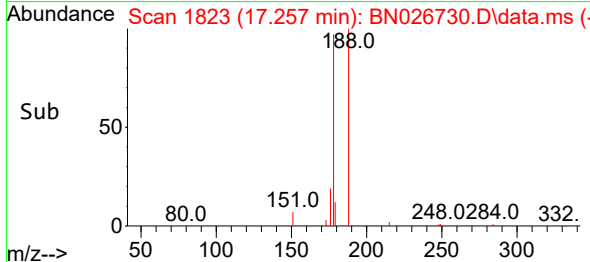
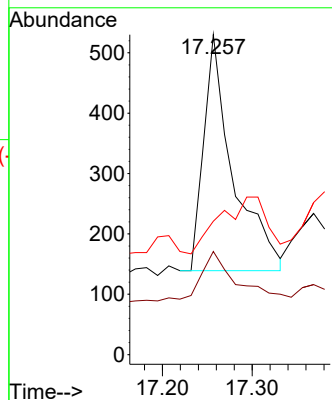
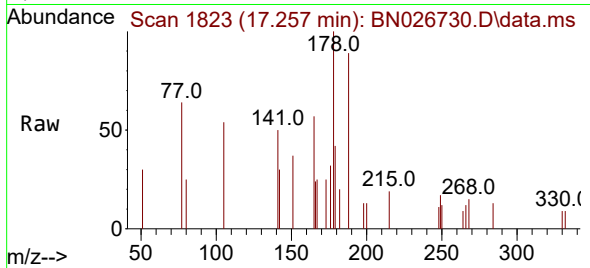




#25
Phenanthrene
Concen: 0.035 ng
RT: 17.257 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

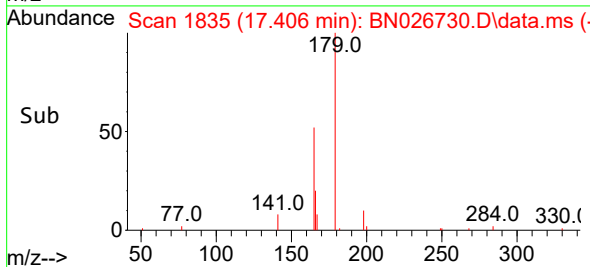
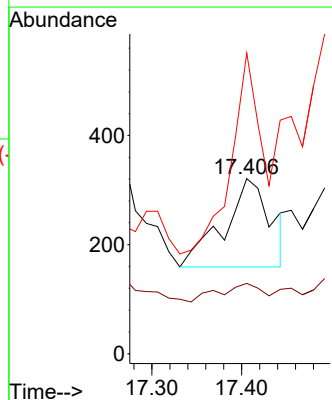
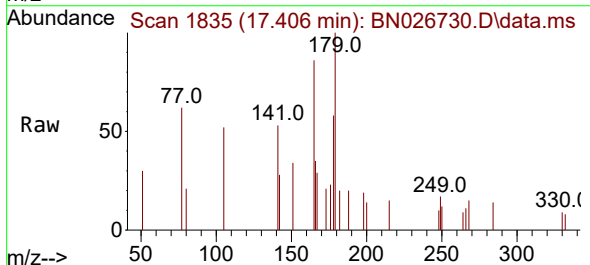
Instrument :
BNA_N
ClientSampleId :
SP-201-20230713

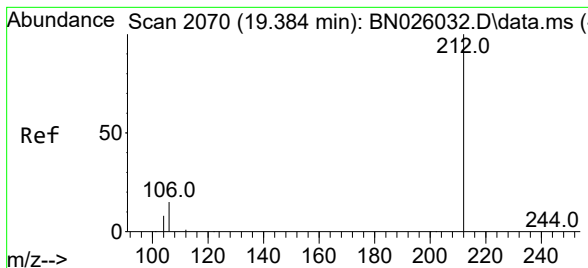
Tgt Ion:178 Resp: 886
Ion Ratio Lower Upper
178 100
176 28.1 15.6 23.4#
179 0.0 12.3 18.5#



#26
Anthracene
Concen: 0.026 ng
RT: 17.406 min Scan# 1835
Delta R.T. 0.050 min
Lab File: BN026730.D
Acq: 25 Jul 2023 02:26

Tgt Ion:178 Resp: 587
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 144.5 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.431 ng

RT: 19.249 min Scan# 2070

Delta R.T. 0.000 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

Instrument :

BNA_N

ClientSampleId :

SP-201-20230713

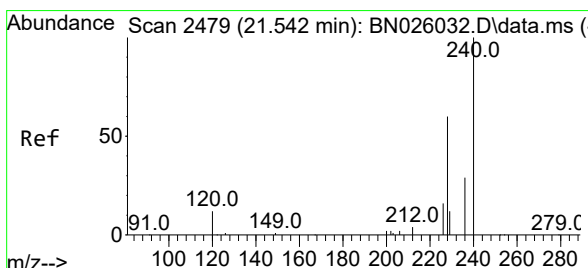
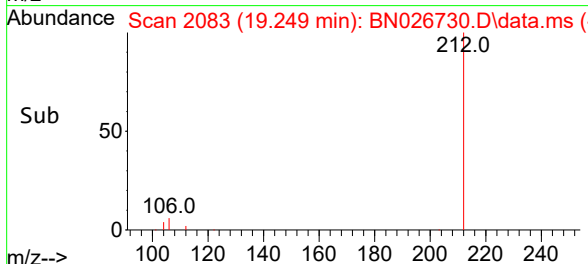
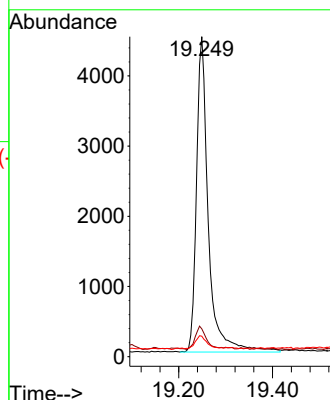
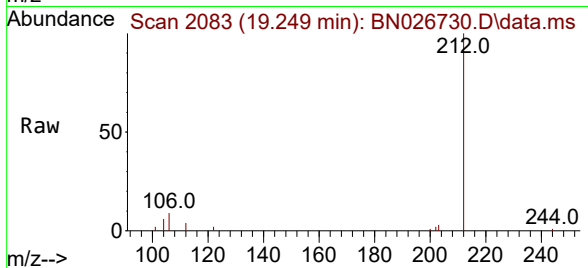
Tgt Ion:212 Resp: 7843

Ion Ratio Lower Upper

212 100

106 6.8 11.6 17.4#

104 4.1 7.2 10.8#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.417 min Scan# 2507

Delta R.T. 0.009 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

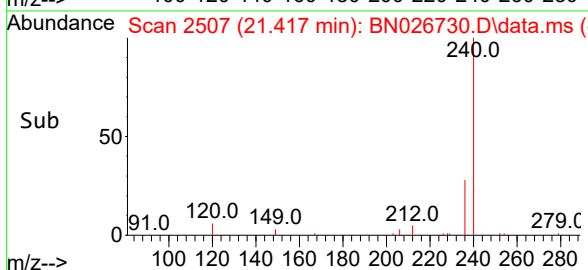
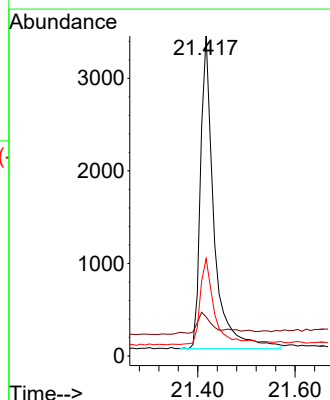
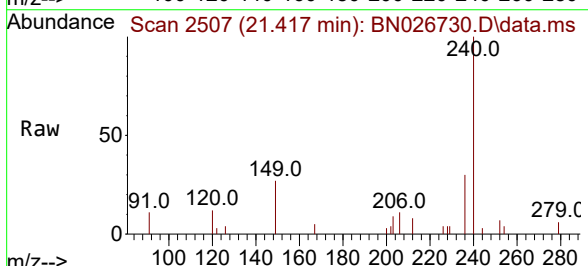
Tgt Ion:240 Resp: 6490

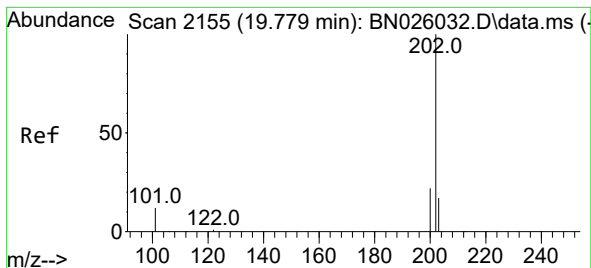
Ion Ratio Lower Upper

240 100

120 12.2 14.6 22.0#

236 30.5 24.2 36.2





#30

Pyrene

Concen: 0.033 ng

RT: 19.648 min Scan# 2111

Delta R.T. 0.005 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

Instrument :

BNA_N

ClientSampleId :

SP-201-20230713

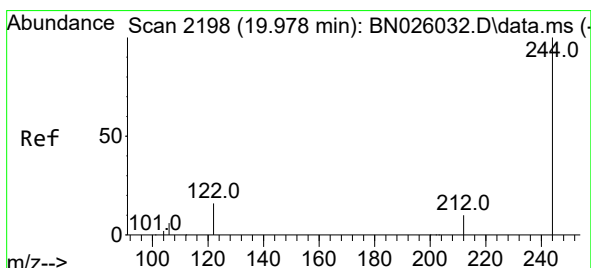
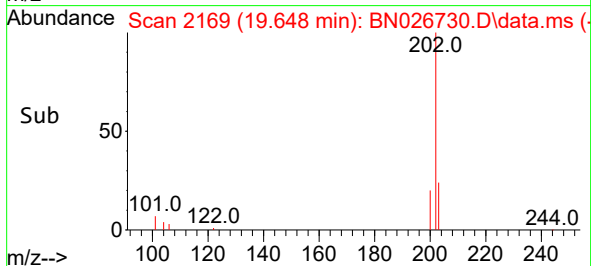
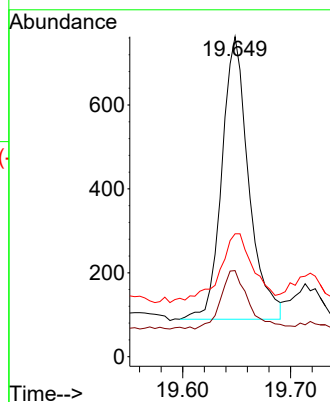
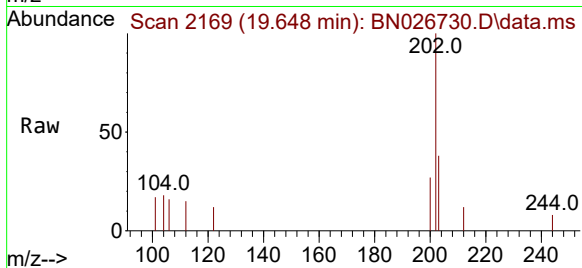
Tgt Ion:202 Resp: 1171

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 27.9 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.384 ng

RT: 19.844 min Scan# 2211

Delta R.T. -0.004 min

Lab File: BN026730.D

Acq: 25 Jul 2023 02:26

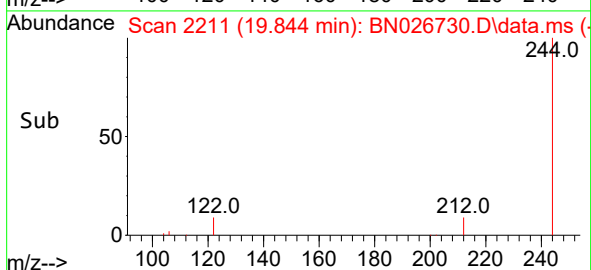
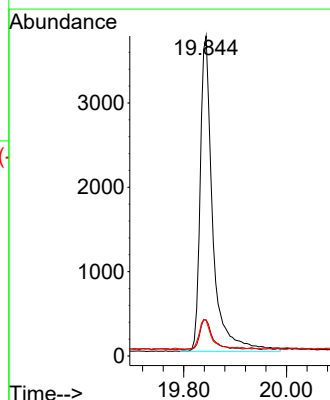
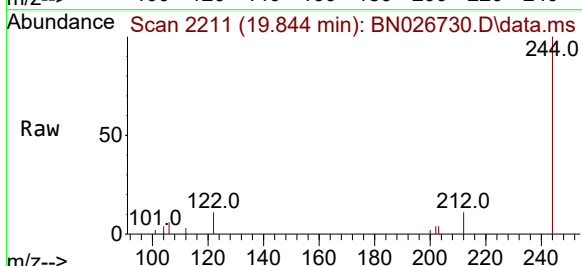
Tgt Ion:244 Resp: 6370

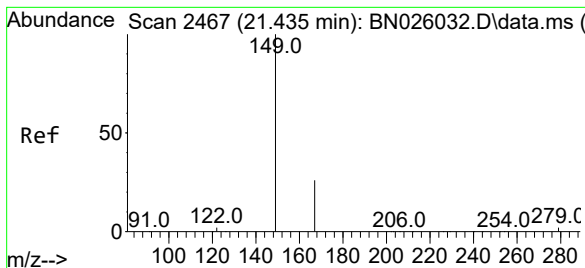
Ion Ratio Lower Upper

244 100

212 11.3 8.7 13.1

122 11.1 13.7 20.5#

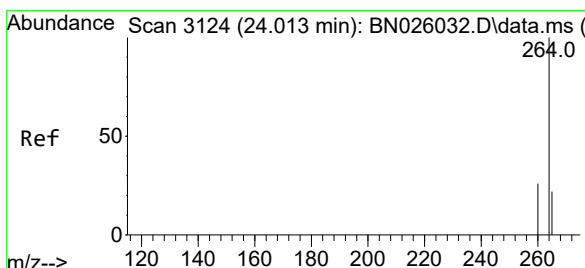
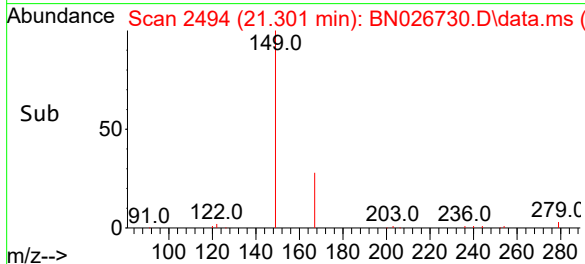
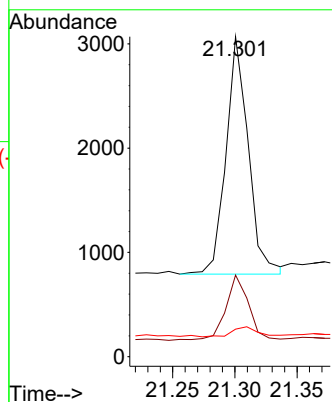
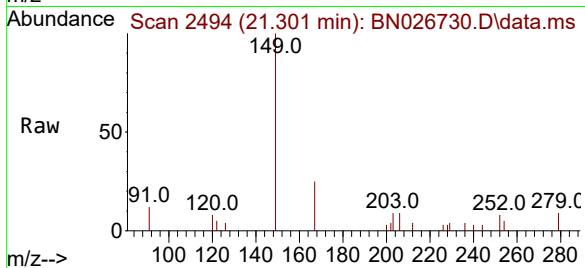




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.136 ng
 RT: 21.301 min Scan# 2467
 Delta R.T. 0.000 min
 Lab File: BN026730.D
 Acq: 25 Jul 2023 02:26

Instrument :
 BNA_N
 ClientSampleId :
 SP-201-20230713

Tgt Ion:149 Resp: 2836
 Ion Ratio Lower Upper
 149 100
 167 28.3 20.2 30.4
 279 4.9 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.788 min Scan# 3089
 Delta R.T. 0.006 min
 Lab File: BN026730.D
 Acq: 25 Jul 2023 02:26

Tgt Ion:264 Resp: 7373
 Ion Ratio Lower Upper
 264 100
 260 29.0 21.9 32.9
 265 92.6 80.3 120.5

