

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033603.D
 Acq On : 23 Aug 2024 23:55
 Operator : MA/JU
 Sample : P3707-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-929-K1-SO-0.5-1-082024

Quant Time: Aug 24 02:20:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

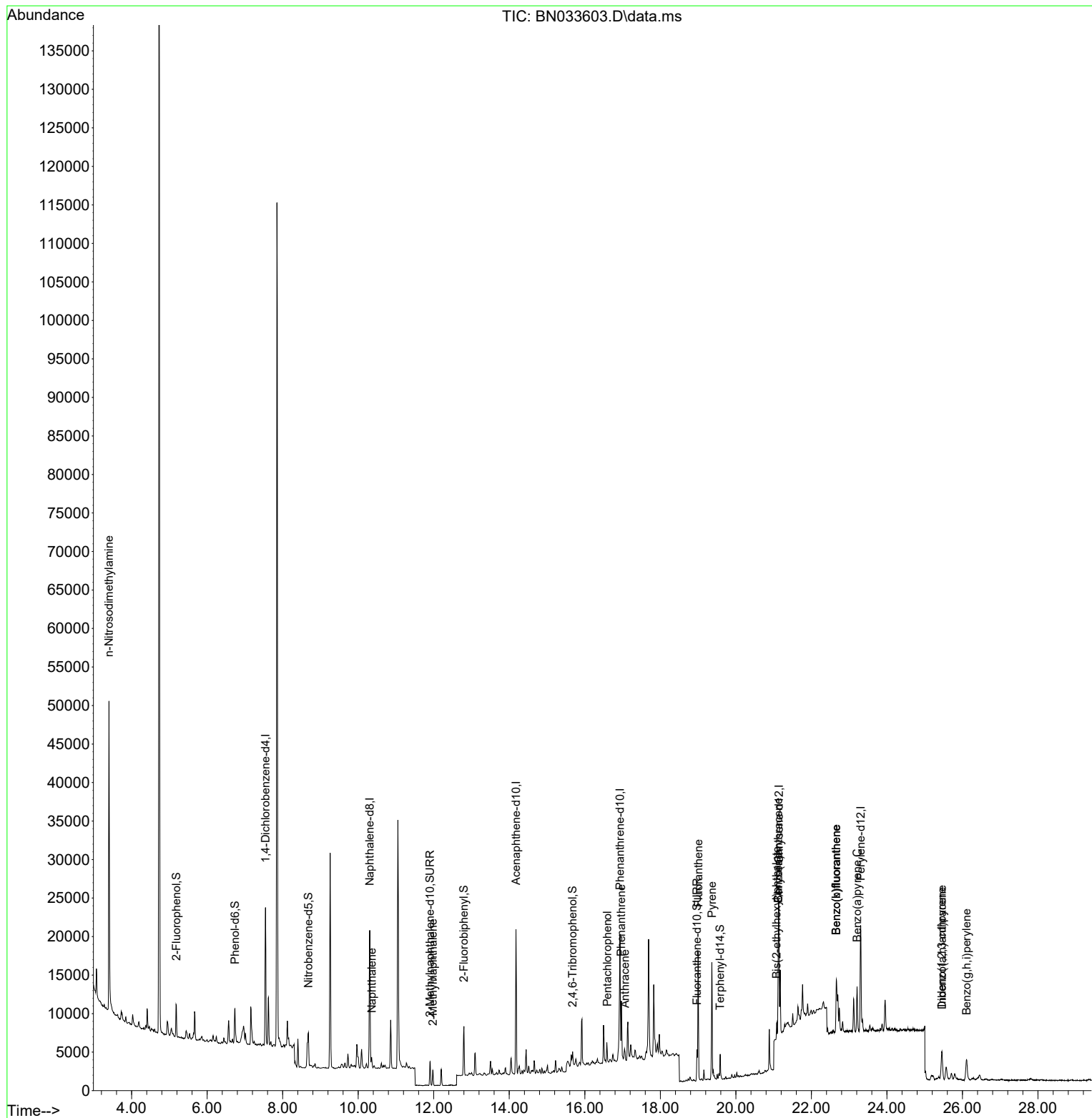
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8156	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	22116	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10151	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19023	0.400	ng	0.00
29) Chrysene-d12	21.139	240	14828	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	16670	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3157	0.122	ng	0.00
5) Phenol-d6	6.736	99	4007	0.130	ng	0.00
8) Nitrobenzene-d5	8.681	82	3700	0.202	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4118	0.130	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	718	0.132	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	5281	0.127	ng	0.00
27) Fluoranthene-d10	18.970	212	4258	0.093	ng	0.00
31) Terphenyl-d14	19.584	244	2878	0.085	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.399	42	5028	0.461	ng	# 1
9) Naphthalene	10.357	128	1748	0.030	ng	# 81
12) 2-Methylnaphthalene	11.975	142	1375	0.037	ng	# 92
24) Pentachlorophenol	16.594	266	144	0.026	ng	# 74
25) Phenanthrene	16.967	178	7514	0.142	ng	98
26) Anthracene	17.066	178	1205	0.026	ng	# 87
28) Fluoranthene	19.003	202	14826	0.254	ng	99
30) Pyrene	19.365	202	13428	0.203	ng	96
32) Benzo(a)anthracene	21.121	228	6647	0.124	ng	91
33) Chrysene	21.121	228	6339	0.119	ng	94
34) Bis(2-ethylhexyl)phtha...	21.077	149	3121	0.092	ng	# 6
36) Indeno(1,2,3-cd)pyrene	25.452	276	5263	0.076	ng	95
37) Benzo(b)fluoranthene	22.660	252	11251	0.181	ng	# 72
38) Benzo(k)fluoranthene	22.660	252	11251	0.184	ng	# 75
39) Benzo(a)pyrene	23.209	252	7128	0.138	ng	# 71
40) Dibenzo(a,h)anthracene	25.461	278	1342	0.024	ng	# 1
41) Benzo(g,h,i)perylene	26.110	276	5220	0.088	ng	# 83

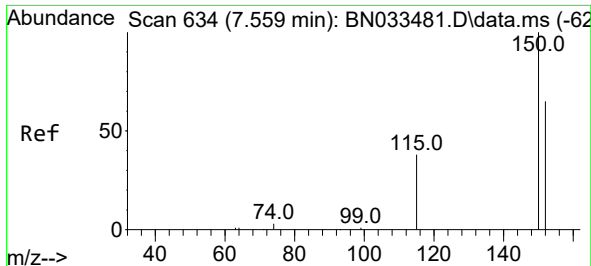
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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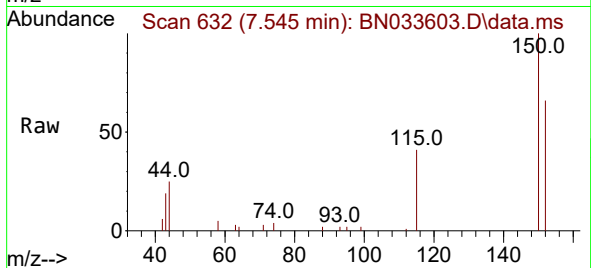
Quant Time: Aug 24 02:20:08 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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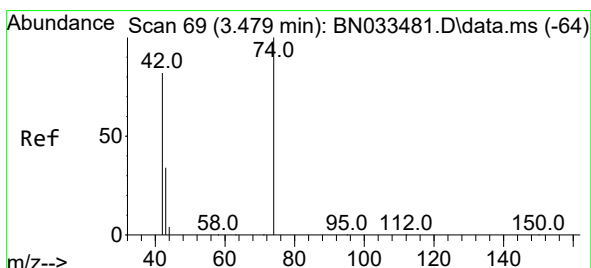
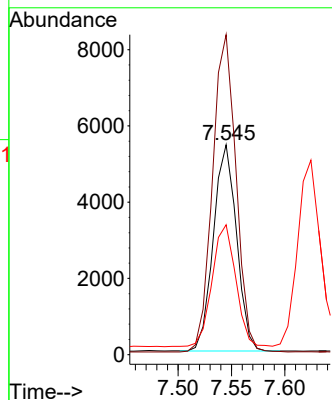
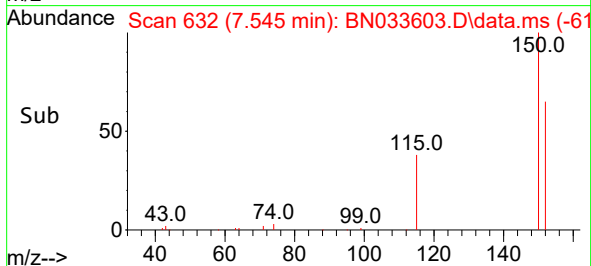


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

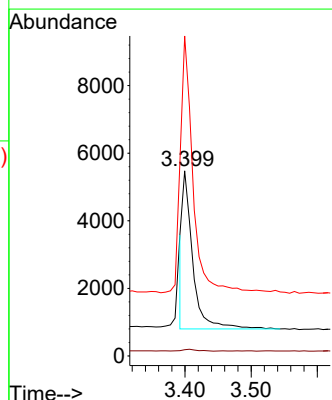
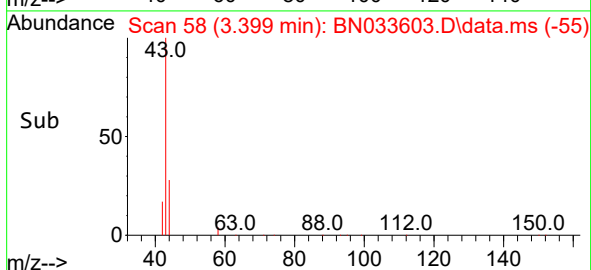
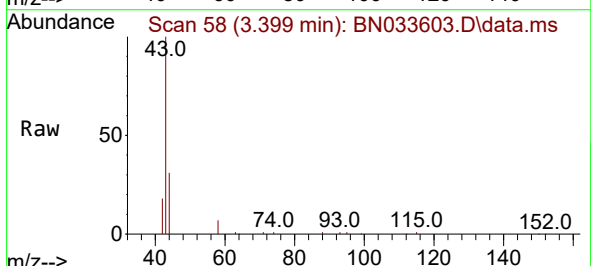


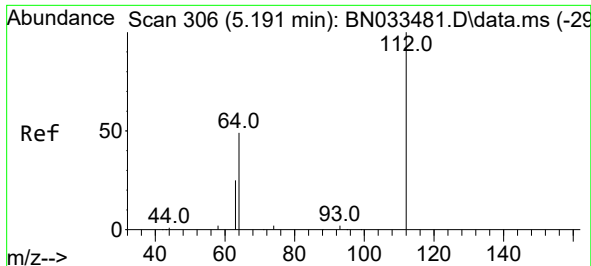
Tgt Ion:152 Resp: 8156
Ion Ratio Lower Upper
152 100
150 152.4 122.2 183.2
115 61.8 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.461 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion: 42 Resp: 5028
Ion Ratio Lower Upper
42 100
74 1.5 100.2 150.2#
44 163.1 5.3 7.9#

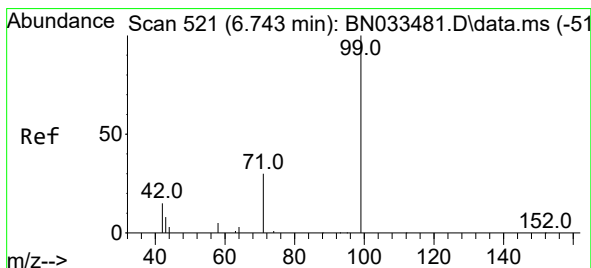
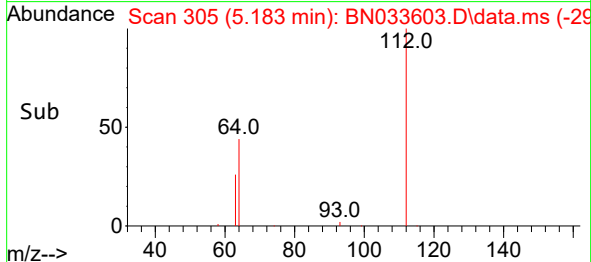
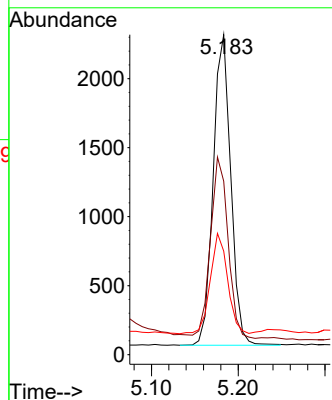
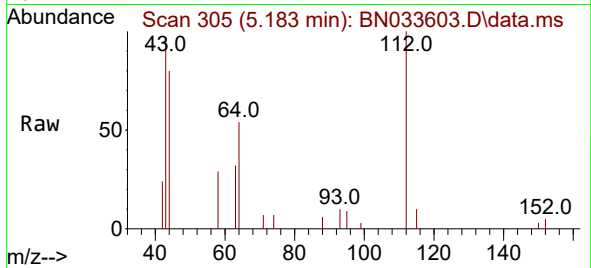




#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

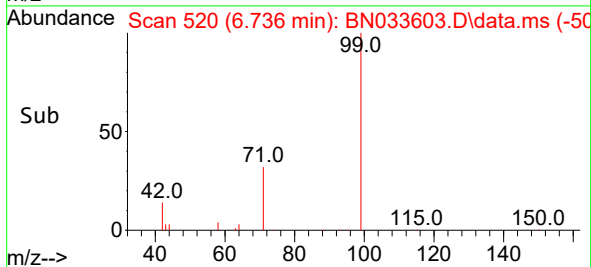
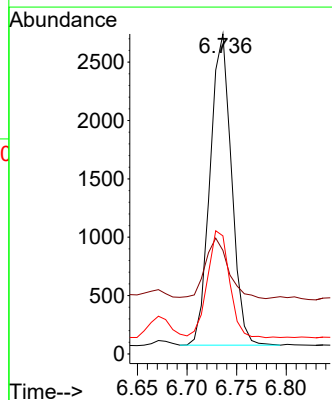
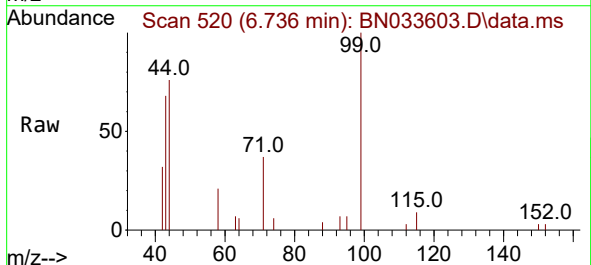
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

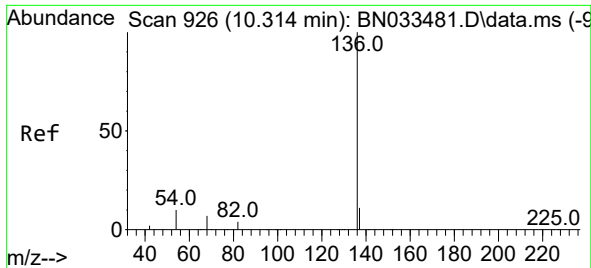
Tgt Ion:112 Resp: 3157
Ion Ratio Lower Upper
112 100
64 58.4 47.1 70.7
63 31.7 24.9 37.3



#5
Phenol-d6
Concen: 0.130 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion: 99 Resp: 4007
Ion Ratio Lower Upper
99 100
42 20.8 16.6 24.8
71 35.2 26.2 39.4

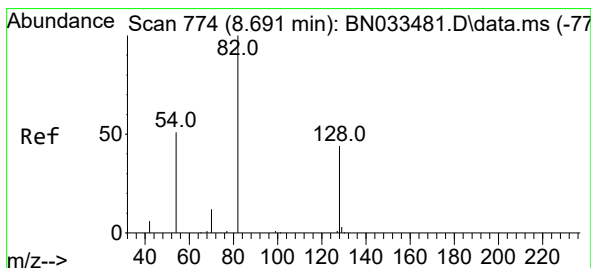
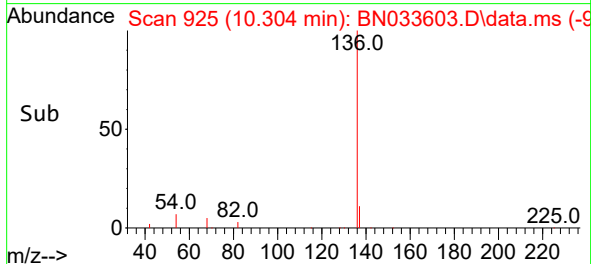
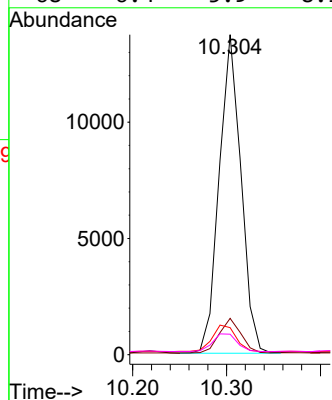
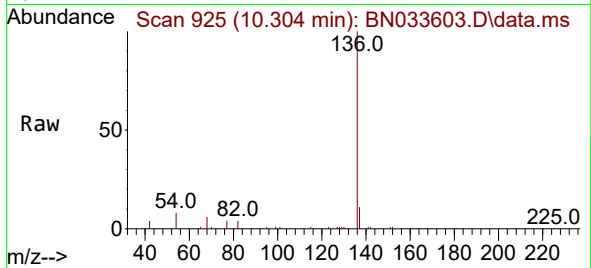




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

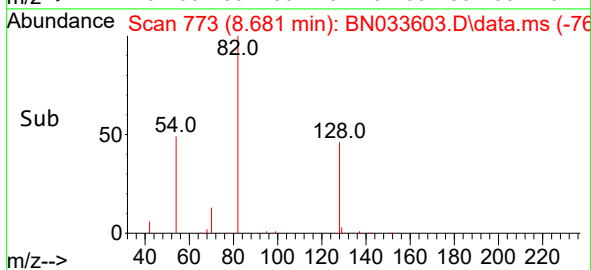
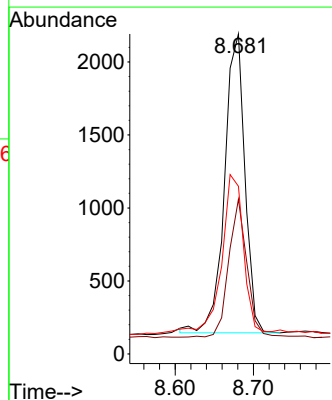
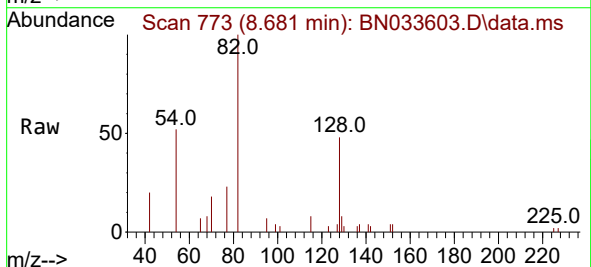
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

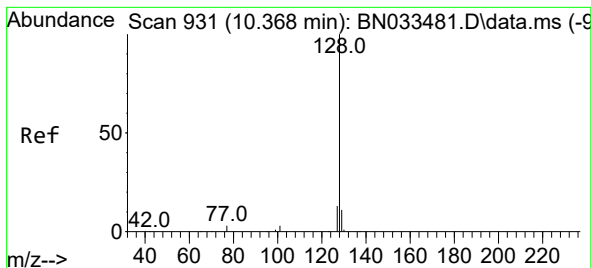
Tgt Ion:	136	Resp:	22116
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	8.4	8.3	12.5
68	6.4	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion:	82	Resp:	3700
Ion Ratio	Lower	Upper	
82	100		
128	48.4	36.0	54.0
54	52.4	42.0	63.0





#9

Naphthalene

Concen: 0.030 ng

RT: 10.357 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024

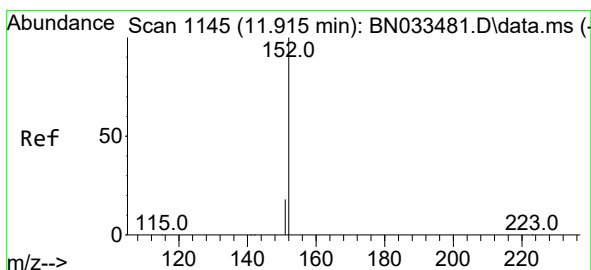
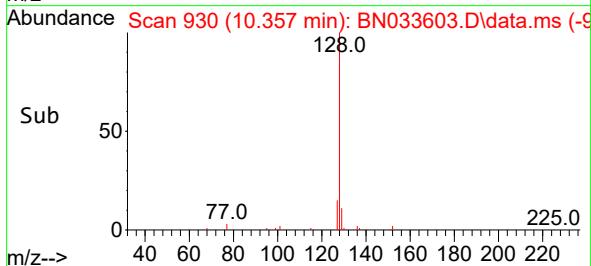
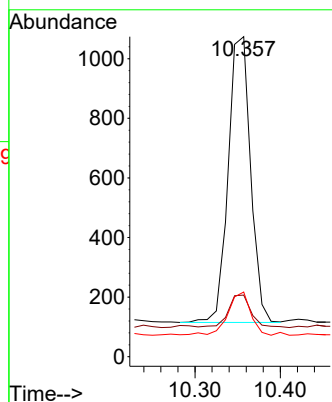
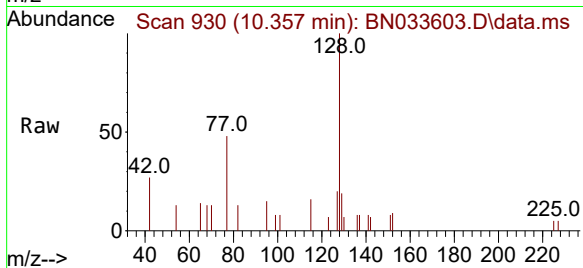
Tgt Ion:128 Resp: 1748

Ion Ratio Lower Upper

128 100

129 19.3 9.1 13.7#

127 20.2 10.7 16.1#



#11

2-Methylnaphthalene-d10

Concen: 0.130 ng

RT: 11.903 min Scan# 1142

Delta R.T. -0.000 min

Lab File: BN033603.D

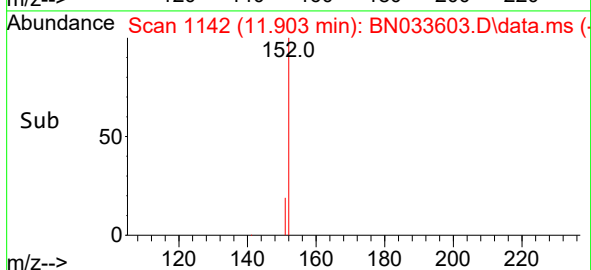
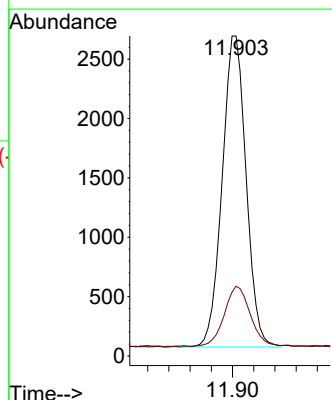
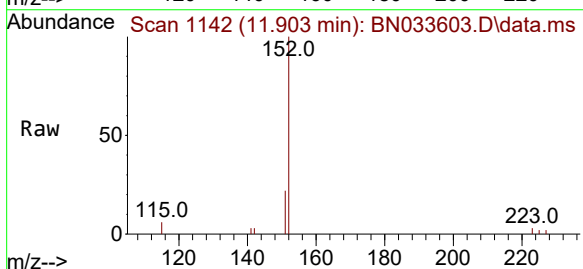
Acq: 23 Aug 2024 23:55

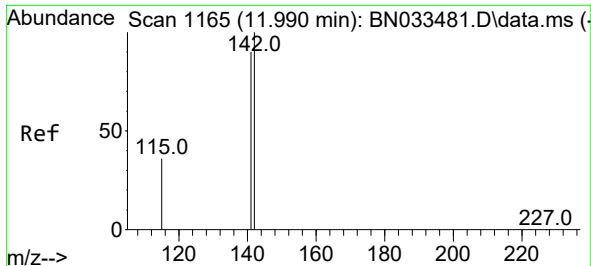
Tgt Ion:152 Resp: 4118

Ion Ratio Lower Upper

152 100

151 21.1 16.6 25.0

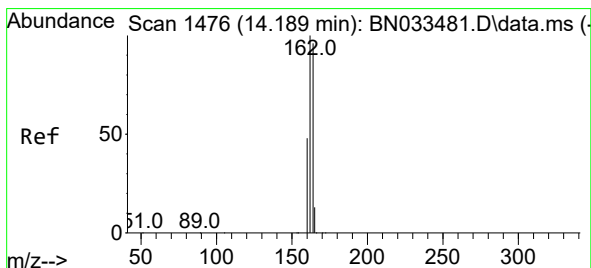
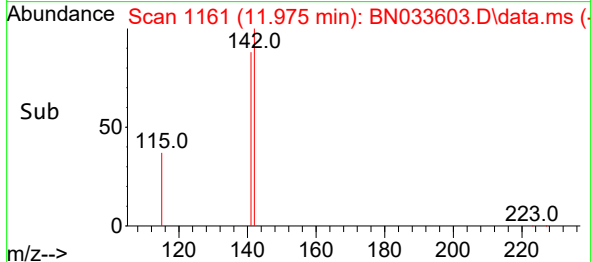
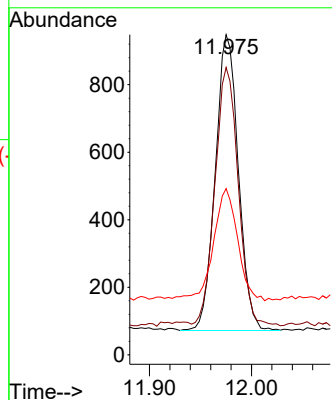
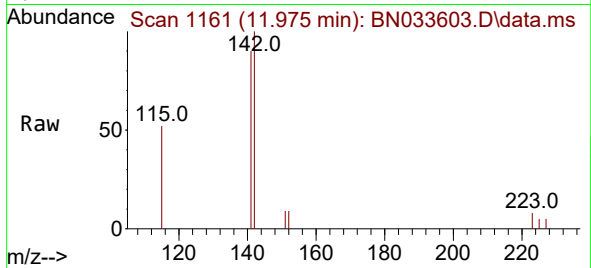




#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

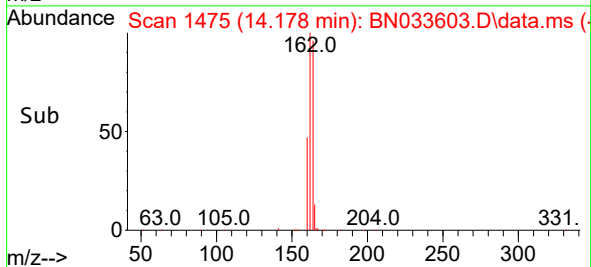
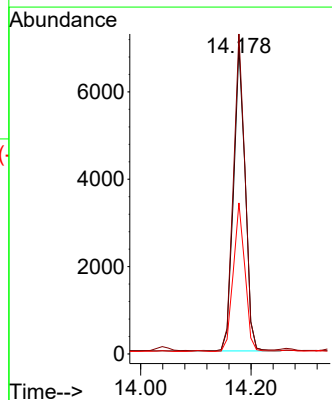
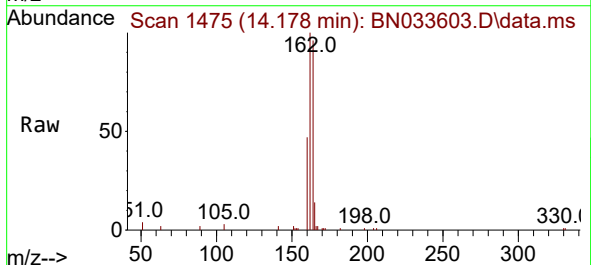
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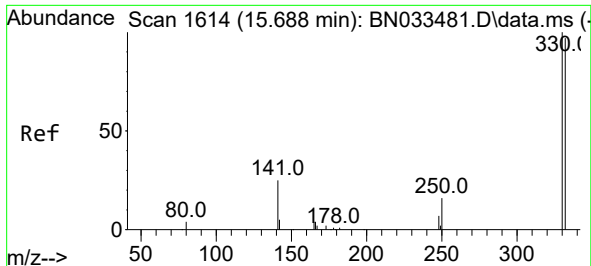
Tgt Ion:142 Resp: 1375
Ion Ratio Lower Upper
142 100
141 89.8 71.7 107.5
115 51.9 29.4 44.2#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

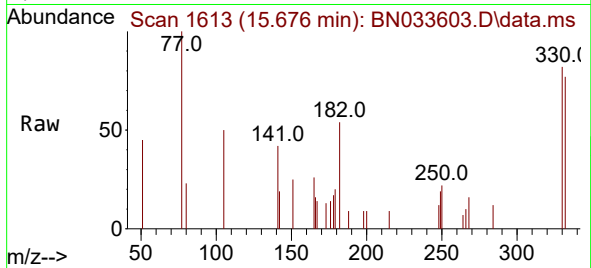
Tgt Ion:164 Resp: 10151
Ion Ratio Lower Upper
164 100
162 104.2 83.5 125.3
160 49.2 40.2 60.4



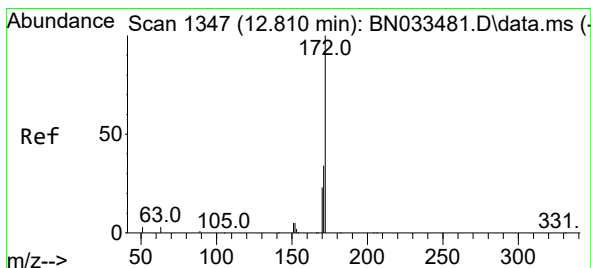
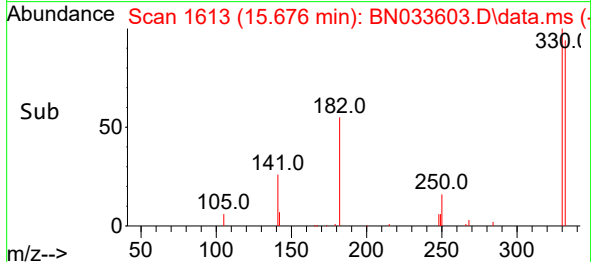
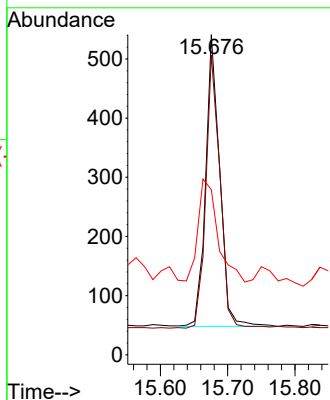


#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Instrument :
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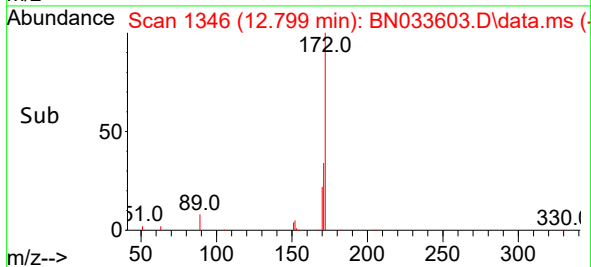
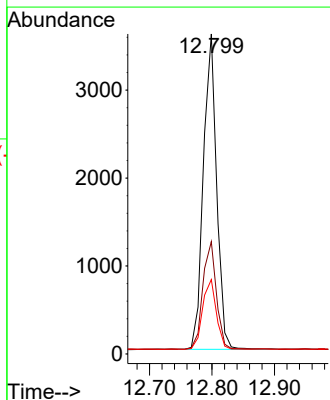
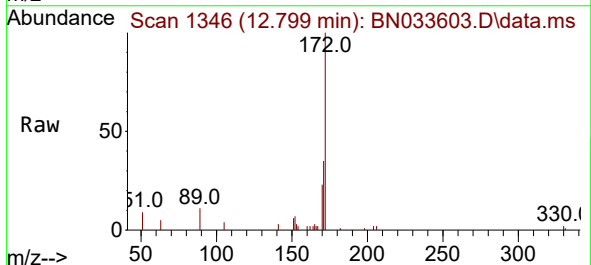


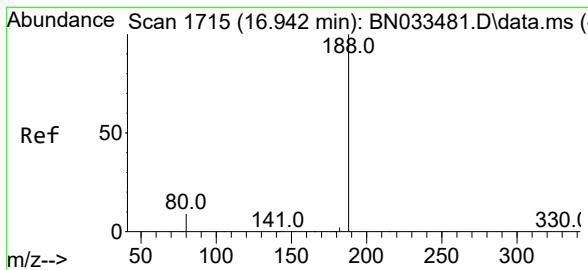
Tgt Ion:330 Resp: 718
Ion Ratio Lower Upper
330 100
332 94.3 77.5 116.3
141 49.0 33.9 50.9



#15
2-Fluorobiphenyl
Concen: 0.127 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion:172 Resp: 5281
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.3 18.3 27.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024

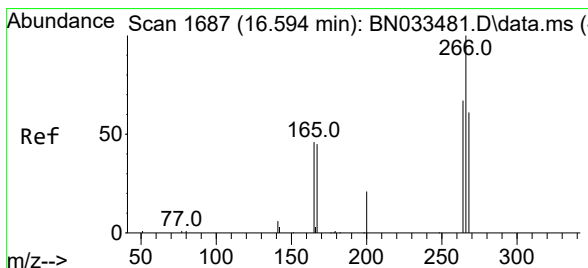
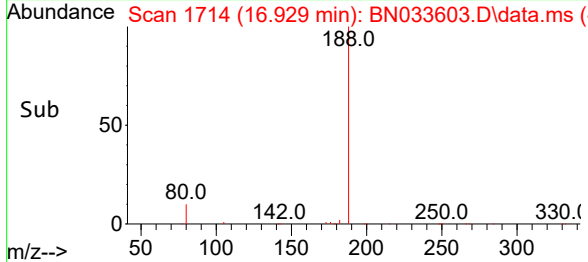
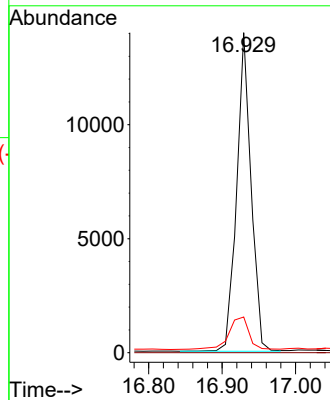
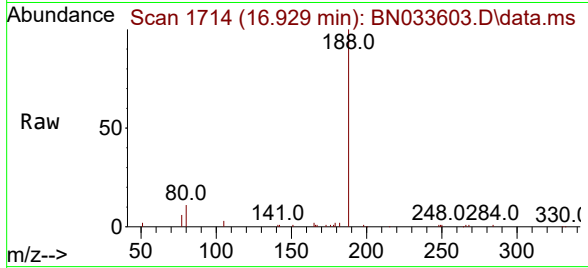
Tgt Ion:188 Resp: 19023

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.2 7.8 11.8



#24

Pentachlorophenol

Concen: 0.026 ng

RT: 16.594 min Scan# 1687

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

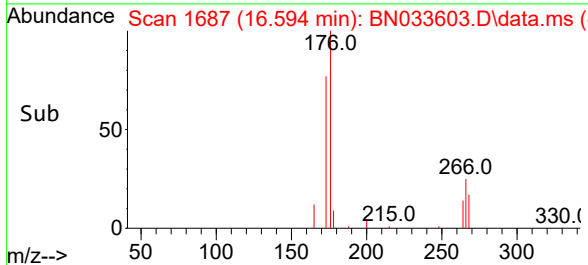
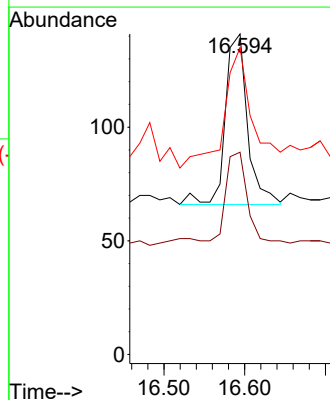
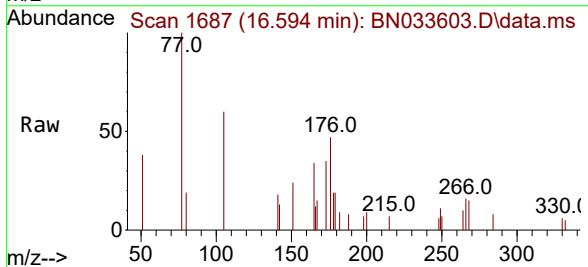
Tgt Ion:266 Resp: 144

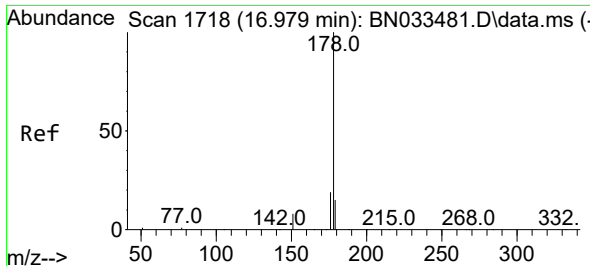
Ion Ratio Lower Upper

266 100

264 50.7 51.9 77.9#

268 89.6 51.0 76.4#

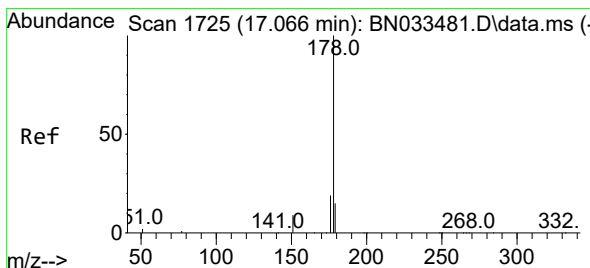
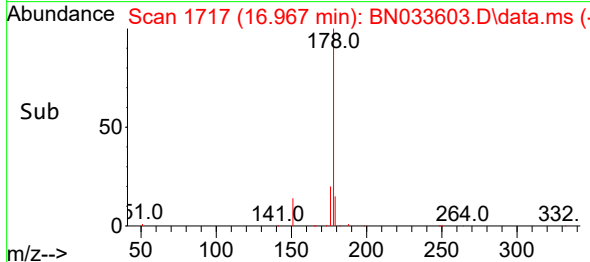
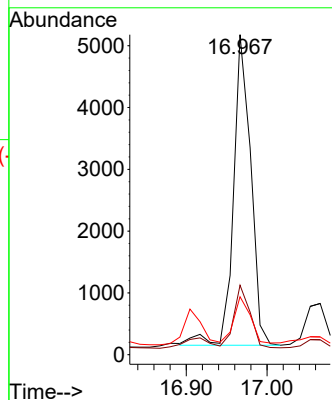
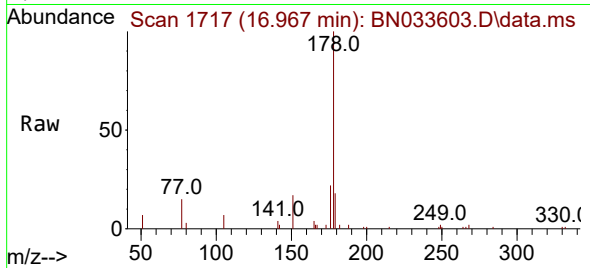




#25
Phenanthrene
Concen: 0.142 ng
RT: 16.967 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

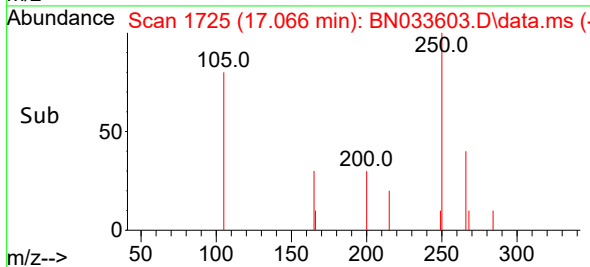
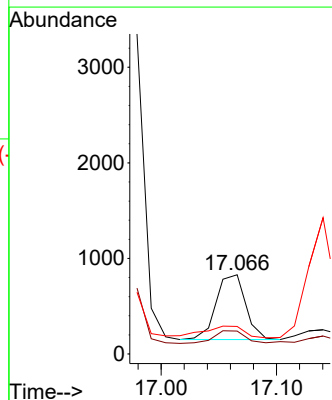
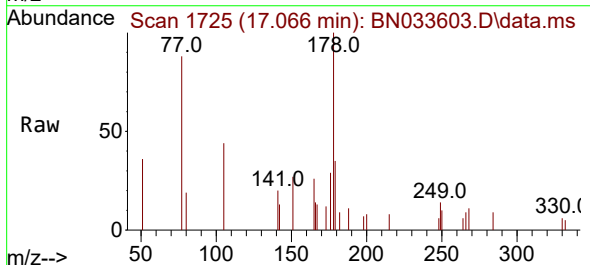
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

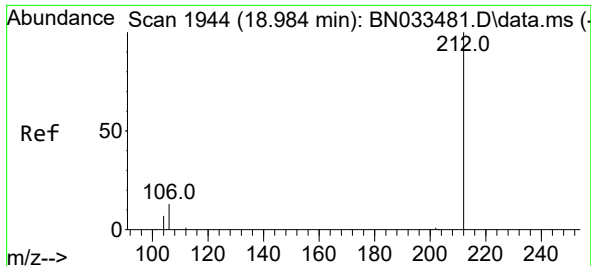
Tgt Ion:178 Resp: 7514
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 13.9 12.3 18.5



#26
Anthracene
Concen: 0.026 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion:178 Resp: 1205
Ion Ratio Lower Upper
178 100
176 20.4 15.0 22.6
179 25.5 12.4 18.6#

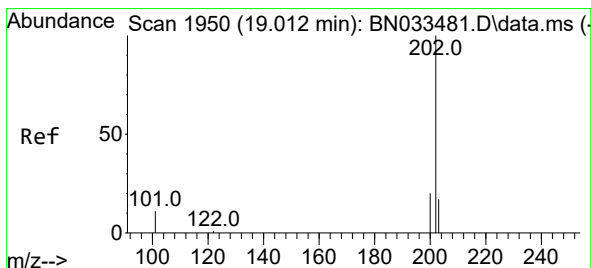
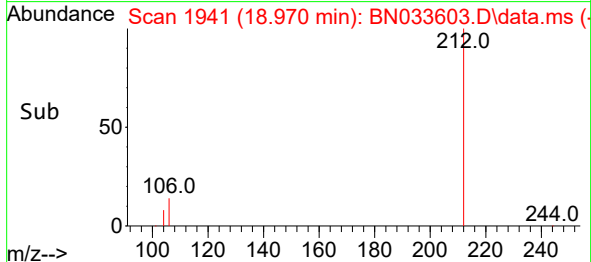
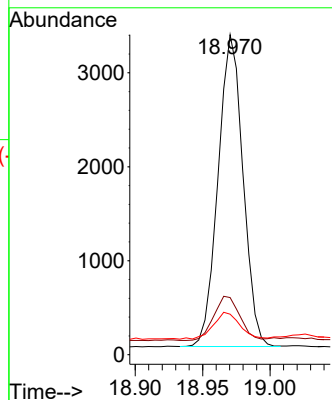
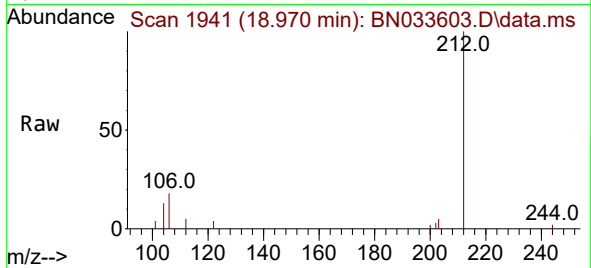




#27
Fluoranthene-d10
Concen: 0.093 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

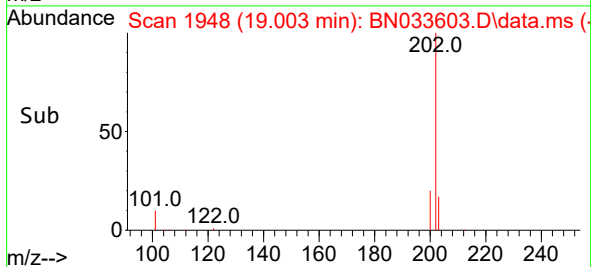
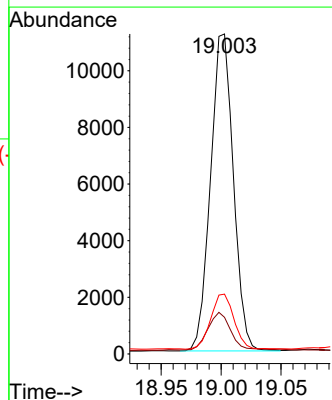
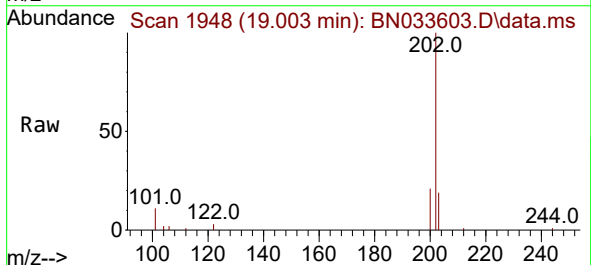
Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

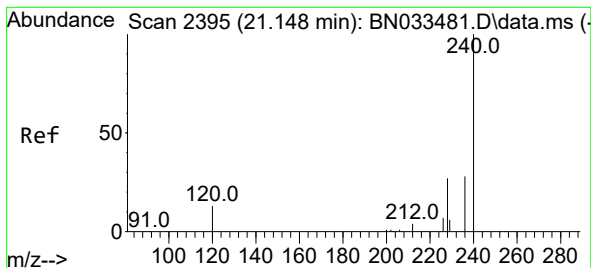
Tgt Ion:212 Resp: 4258
Ion Ratio Lower Upper
212 100
106 14.8 12.3 18.5
104 9.1 7.0 10.4



#28
Fluoranthene
Concen: 0.254 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion:202 Resp: 14826
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.7 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024

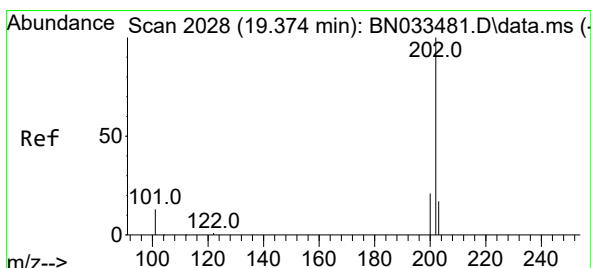
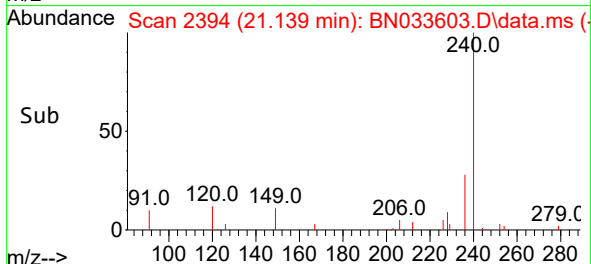
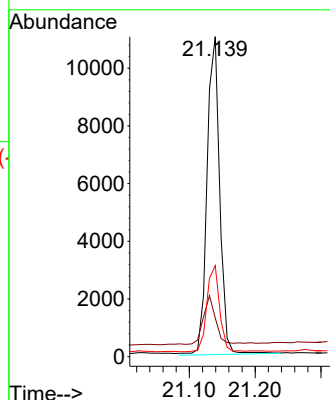
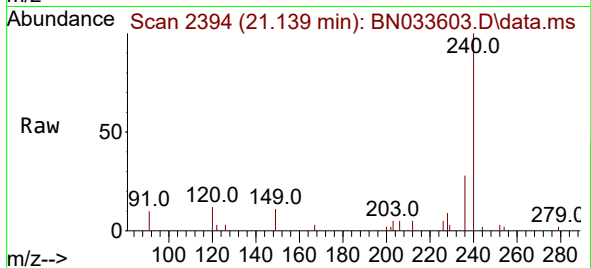
Tgt Ion:240 Resp: 14828

Ion Ratio Lower Upper

240 100

120 12.1 12.4 18.6#

236 28.4 23.0 34.6



#30

Pyrene

Concen: 0.203 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

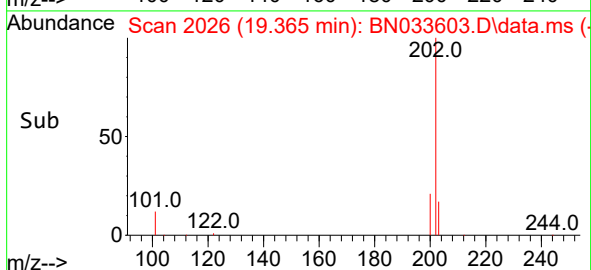
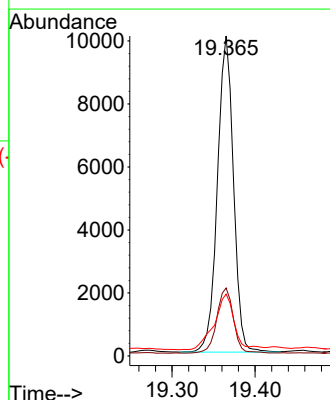
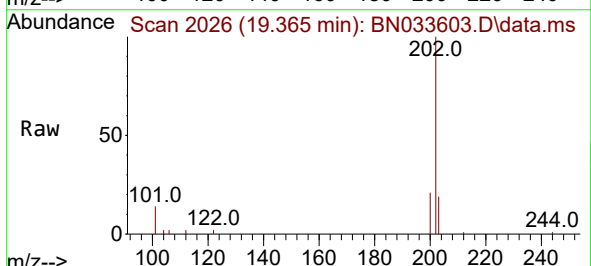
Tgt Ion:202 Resp: 13428

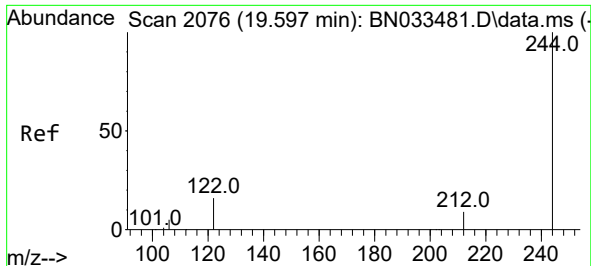
Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

203 21.2 14.2 21.4

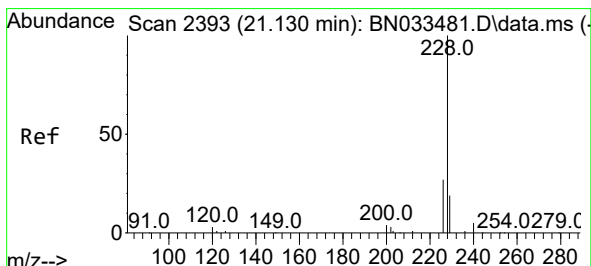
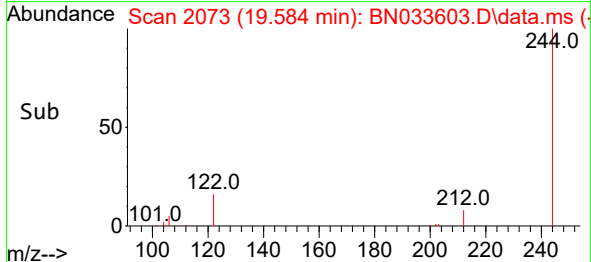
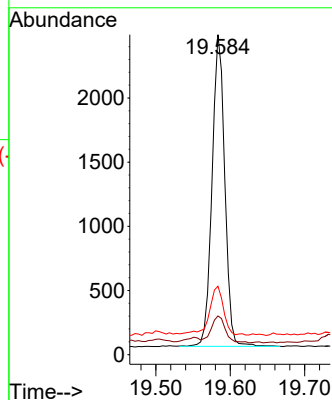
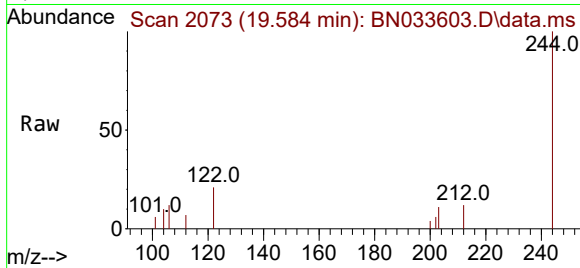




#31
 Terphenyl-d14
 Concen: 0.085 ng
 RT: 19.584 min Scan# 2076
 Delta R.T. -0.000 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

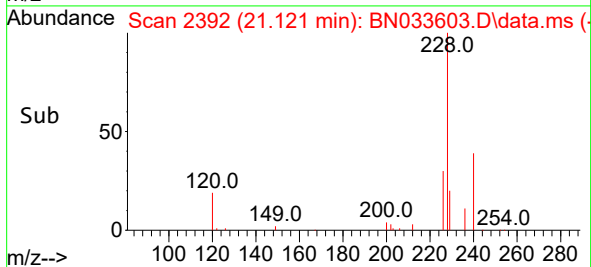
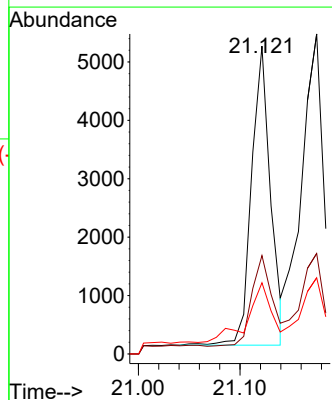
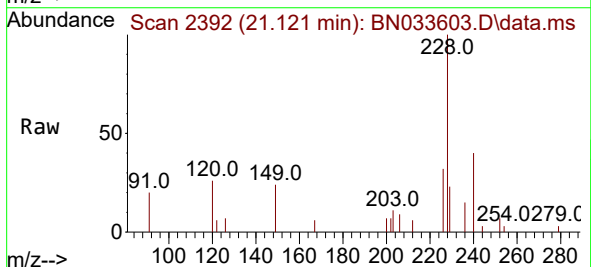
Instrument :
 BNA_N
 ClientSampleId :
 S-929-K1-SO-0.5-1-082024

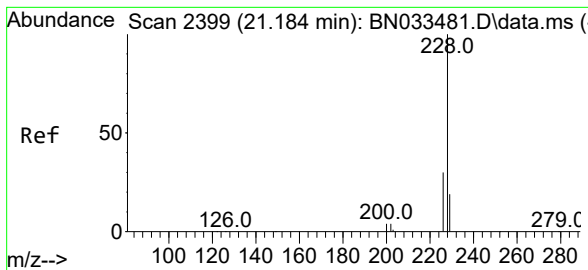
Tgt Ion:244 Resp: 2878
 Ion Ratio Lower Upper
 244 100
 212 12.1 7.8 11.6#
 122 21.4 13.3 19.9#



#32
 Benzo(a)anthracene
 Concen: 0.124 ng
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.000 min
 Lab File: BN033603.D
 Acq: 23 Aug 2024 23:55

Tgt Ion:228 Resp: 6647
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.8 32.6
 229 23.1 15.8 23.6





#33

Chrysene

Concen: 0.119 ng

RT: 21.121 min Scan# 21

Delta R.T. -0.054 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024

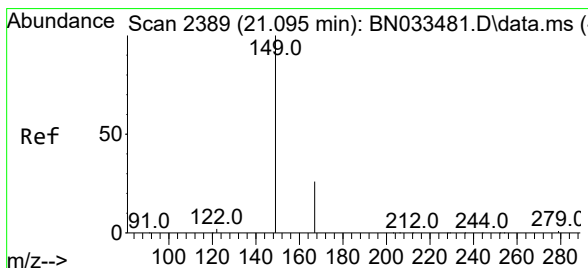
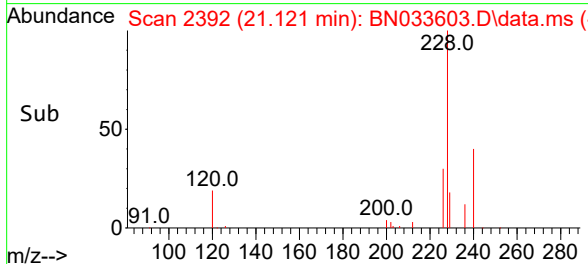
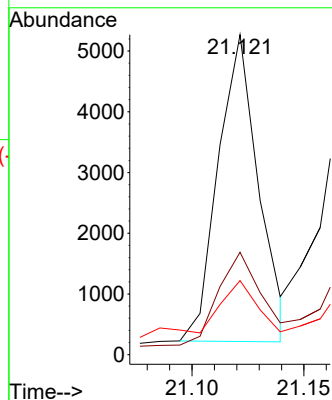
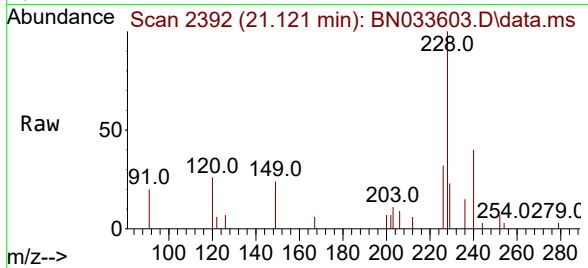
Tgt Ion:228 Resp: 6339

Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.8

229 23.1 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.092 ng

RT: 21.077 min Scan# 2387

Delta R.T. -0.009 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

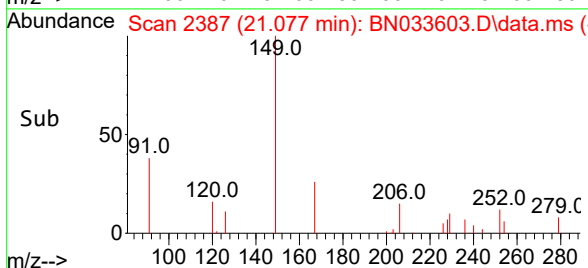
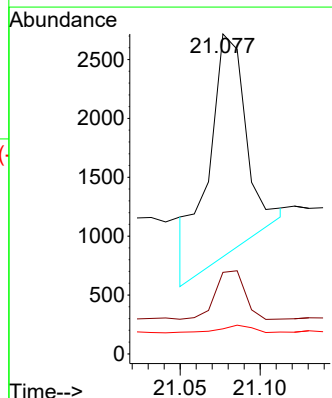
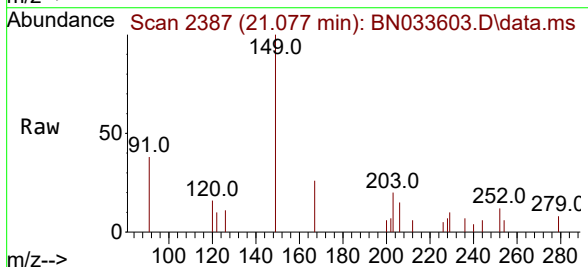
Tgt Ion:149 Resp: 3121

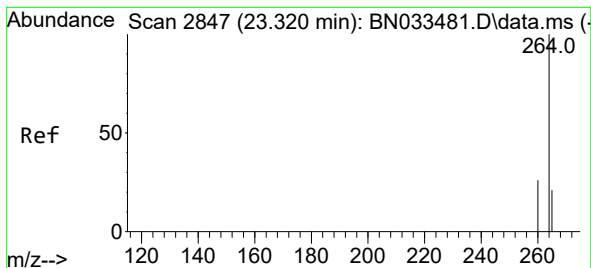
Ion Ratio Lower Upper

149 100

167 79.8 21.5 32.3#

279 6.3 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.303 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024

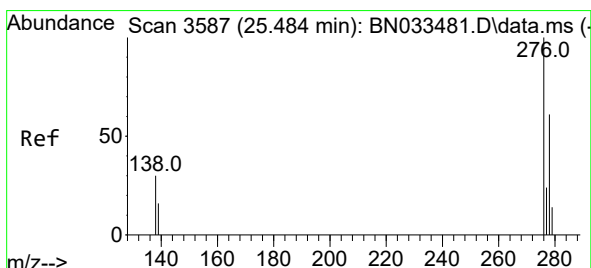
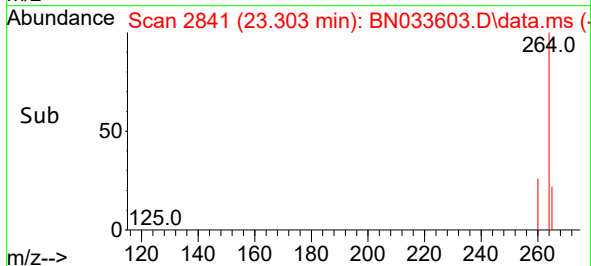
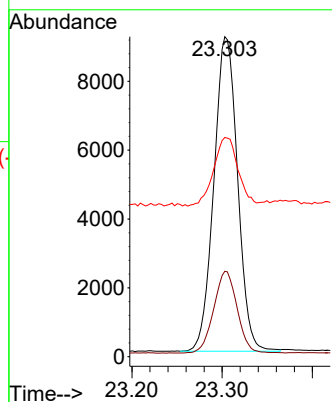
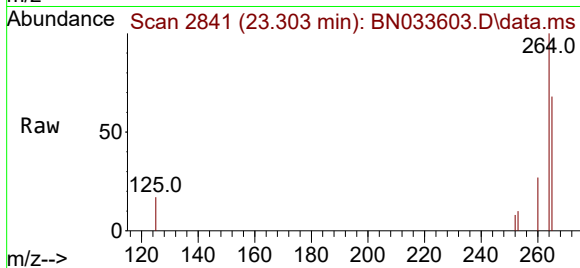
Tgt Ion:264 Resp: 16670

Ion Ratio Lower Upper

264 100

260 26.7 20.8 31.2

265 68.5 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.076 ng

RT: 25.452 min Scan# 3576

Delta R.T. 0.003 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

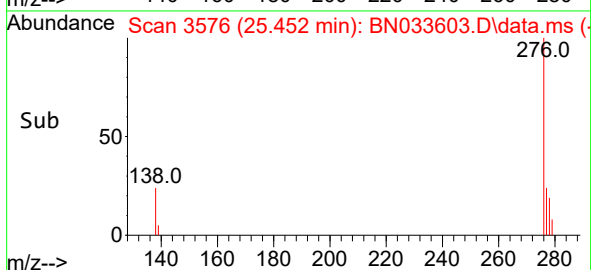
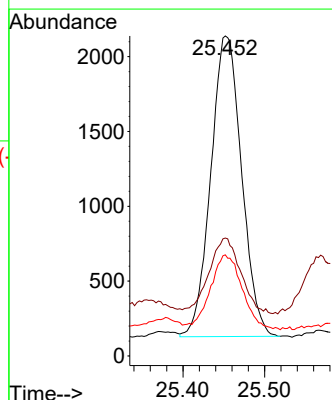
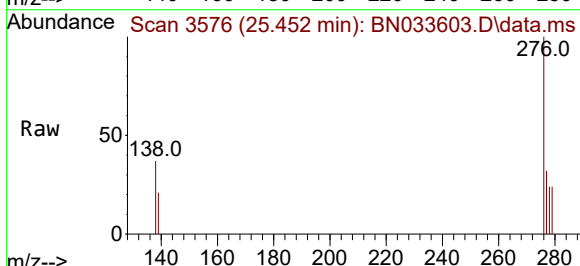
Tgt Ion:276 Resp: 5263

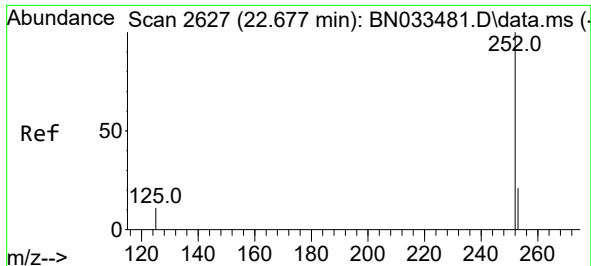
Ion Ratio Lower Upper

276 100

138 26.0 24.4 36.6

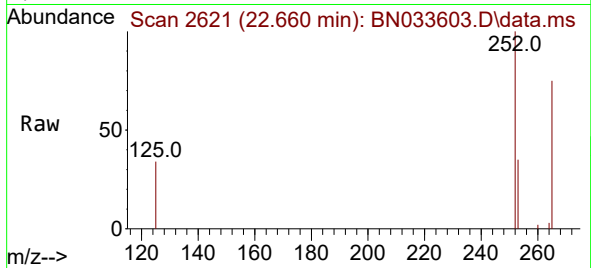
277 25.6 19.8 29.6



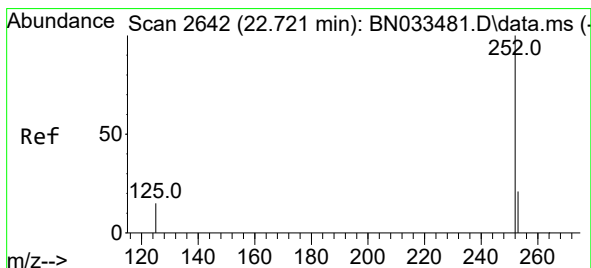
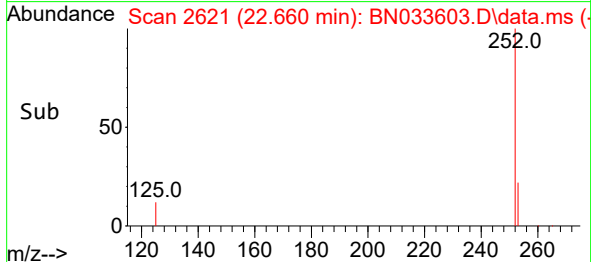
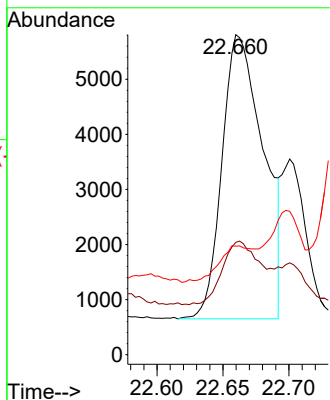


#37
Benzo(b)fluoranthene
Concen: 0.181 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024

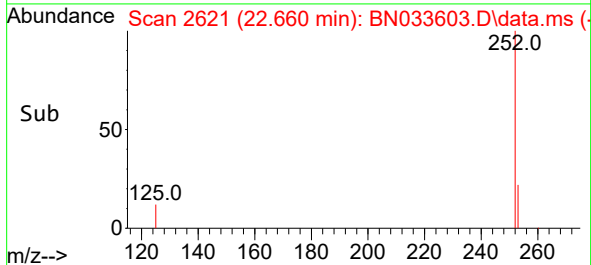
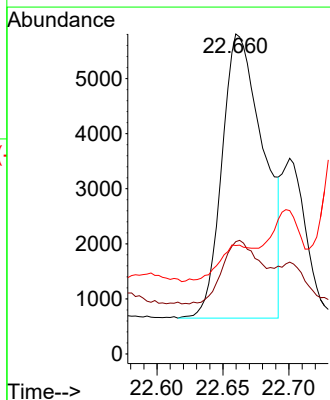
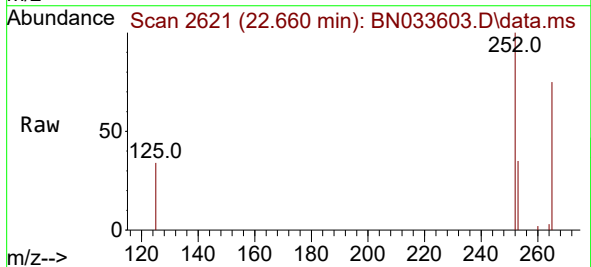


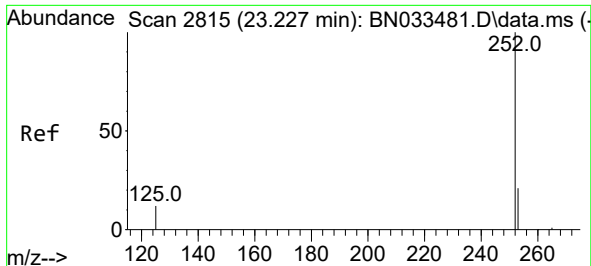
Tgt Ion:252 Resp: 11251
Ion Ratio Lower Upper
252 100
253 35.1 19.8 29.8#
125 33.9 13.9 20.9#



#38
Benzo(k)fluoranthene
Concen: 0.184 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.044 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Tgt Ion:252 Resp: 11251
Ion Ratio Lower Upper
252 100
253 35.1 19.8 29.8#
125 33.9 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 0.138 ng

RT: 23.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033603.D

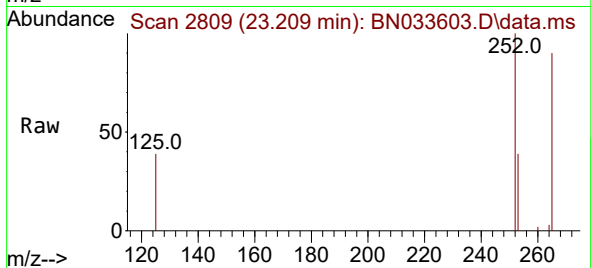
Acq: 23 Aug 2024 23:55

Instrument :

BNA_N

ClientSampleId :

S-929-K1-SO-0.5-1-082024



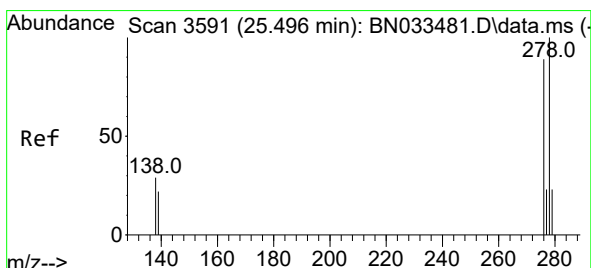
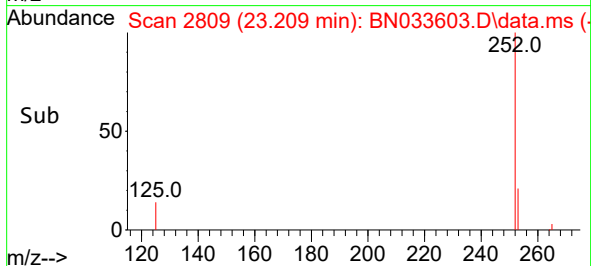
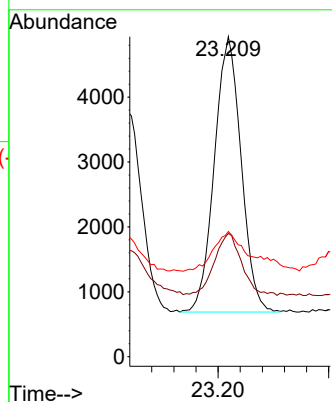
Tgt Ion:252 Resp: 7128

Ion Ratio Lower Upper

252 100

253 38.5 21.5 32.3#

125 39.1 17.0 25.4#



#40

Dibenzo(a,h)anthracene

Concen: 0.024 ng

RT: 25.461 min Scan# 3579

Delta R.T. -0.009 min

Lab File: BN033603.D

Acq: 23 Aug 2024 23:55

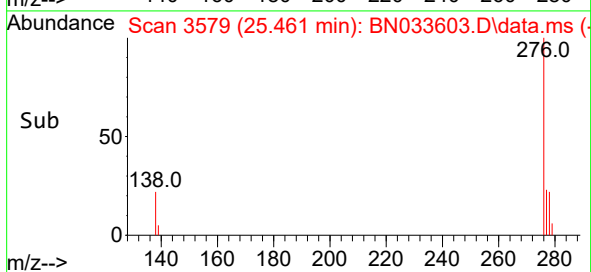
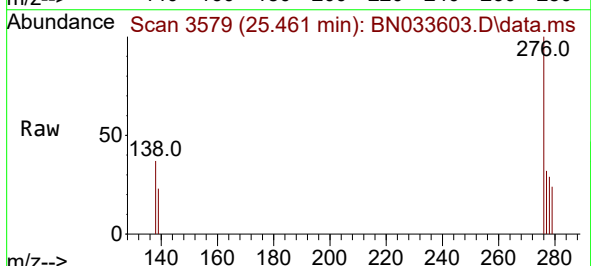
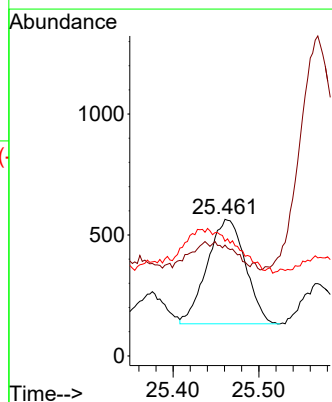
Tgt Ion:278 Resp: 1342

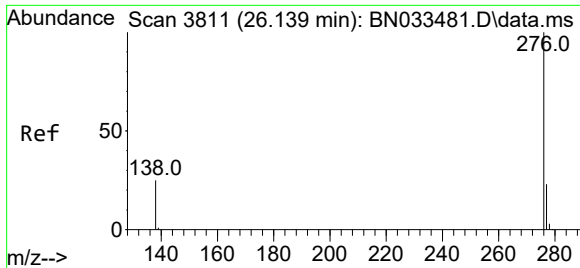
Ion Ratio Lower Upper

278 100

139 81.1 19.1 28.7#

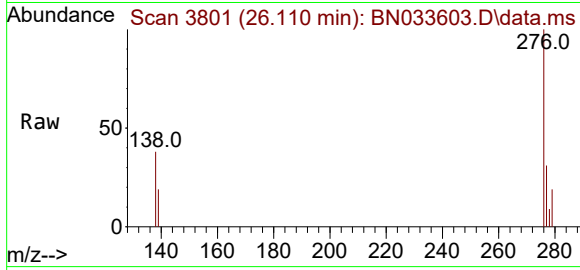
279 83.9 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 26.110 min Scan# 3811
Delta R.T. 0.006 min
Lab File: BN033603.D
Acq: 23 Aug 2024 23:55

Instrument :
BNA_N
ClientSampleId :
S-929-K1-SO-0.5-1-082024



Tgt Ion:	276	Resp:	5220
Ion	Ratio	Lower	Upper
276	100		
277	31.2	19.7	29.5#
138	38.2	21.8	32.6#

