

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033615.D
 Acq On : 24 Aug 2024 07:09
 Operator : MA/JU
 Sample : P3707-08
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-930-K1-SO-0.5-1-082024

Quant Time: Aug 24 07:33:13 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)

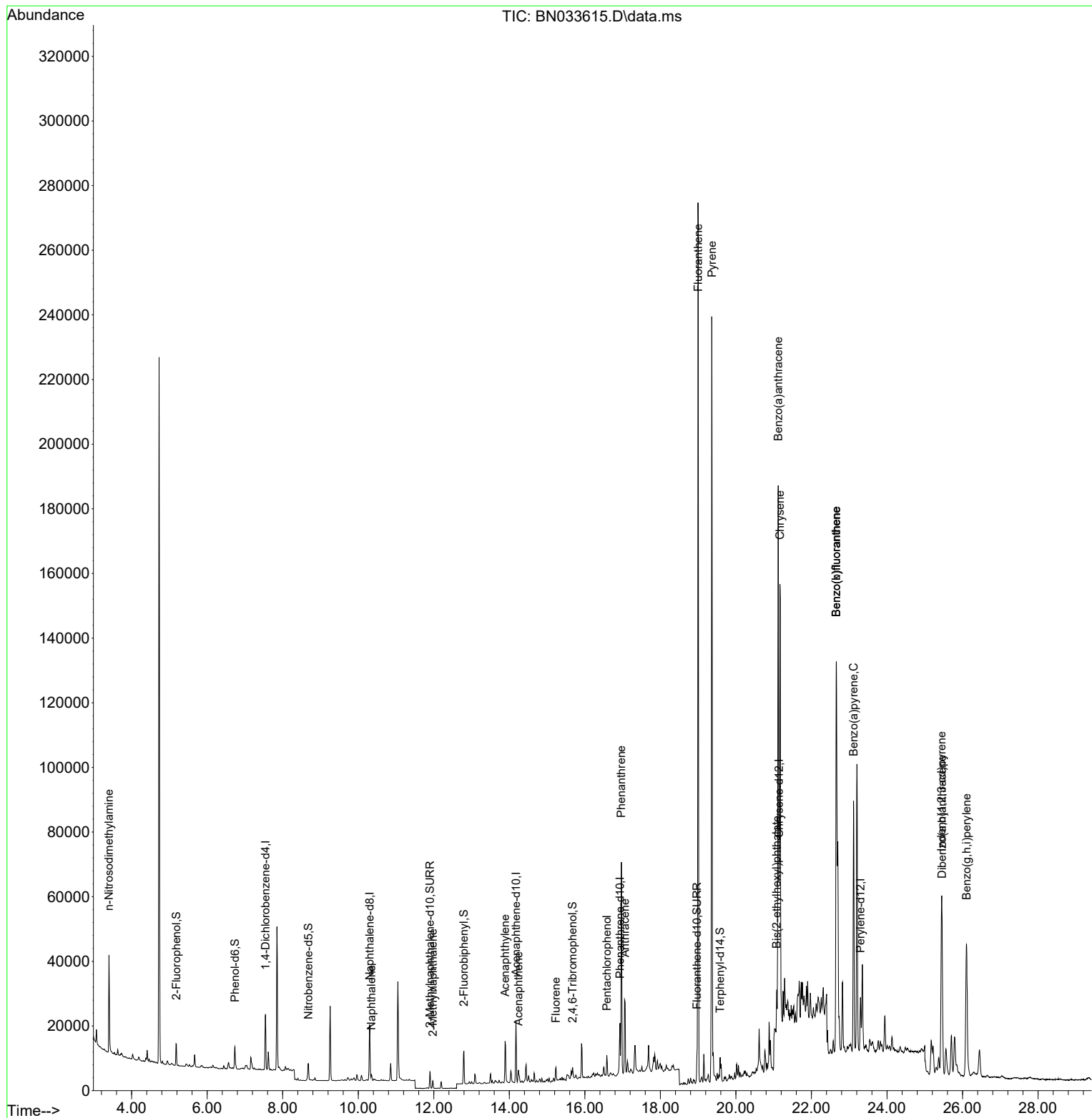
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	8046	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	21152	0.400	ng	# 0.00
13) Acenaphthene-d10	14.177	164	10116	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19564	0.400	ng	0.00
29) Chrysene-d12	21.139	240	17136	0.400	ng	0.00
35) Perylene-d12	23.299	264	18826	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	5061	0.198	ng	0.00
5) Phenol-d6	6.736	99	6024	0.198	ng	0.00
8) Nitrobenzene-d5	8.680	82	4360	0.249	ng	0.00
11) 2-Methylnaphthalene-d10	11.899	152	6564	0.217	ng	0.00
14) 2,4,6-Tribromophenol	15.675	330	1163	0.214	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	8860	0.214	ng	0.00
27) Fluoranthene-d10	18.970	212	9182	0.195	ng	0.00
31) Terphenyl-d14	19.583	244	6410	0.165	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.399	42	3926	0.365	ng	# 1
9) Naphthalene	10.346	128	2383	0.042	ng	# 87
12) 2-Methylnaphthalene	11.975	142	1628	0.046	ng	# 94
16) Acenaphthylene	13.889	152	15660	0.353	ng	99
17) Acenaphthene	14.242	154	1792	0.057	ng	97
18) Fluorene	15.236	166	2821	0.072	ng	# 94
24) Pentachlorophenol	16.581	266	2119	0.373	ng	98
25) Phenanthrene	16.966	178	61832	1.136	ng	99
26) Anthracene	17.065	178	27574	0.573	ng	99
28) Fluoranthene	18.998	202	235214	3.911	ng	99
30) Pyrene	19.365	202	209162	2.735	ng	# 95
32) Benzo(a)anthracene	21.121	228	134106	2.165	ng	95
33) Chrysene	21.166	228	140753	2.286	ng	96
34) Bis(2-ethylhexyl)phtha...	21.076	149	23460	0.598	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.448	276	82331	1.053	ng	# 94
37) Benzo(b)fluoranthene	22.659	252	185481	2.638	ng	96
38) Benzo(k)fluoranthene	22.659	252	185481	2.680	ng	# 93
39) Benzo(a)pyrene	23.115	252	97199	1.671	ng	98
40) Dibenzo(a,h)anthracene	25.460	278	22391	0.358	ng	# 83
41) Benzo(g,h,i)perylene	26.106	276	78827	1.179	ng	98

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

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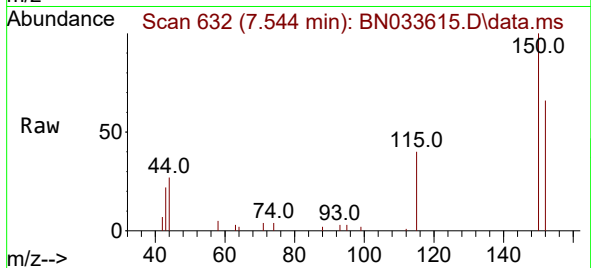
Quant Time: Aug 24 07:33:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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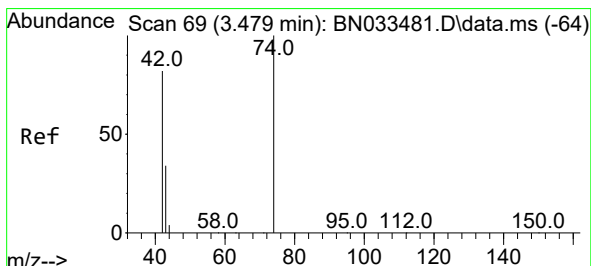
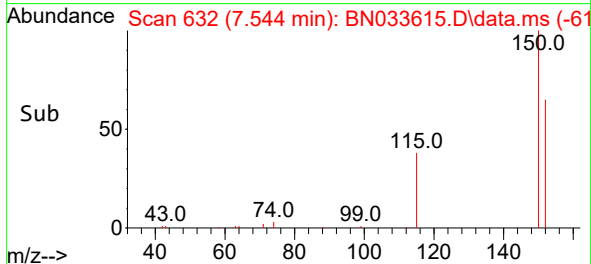
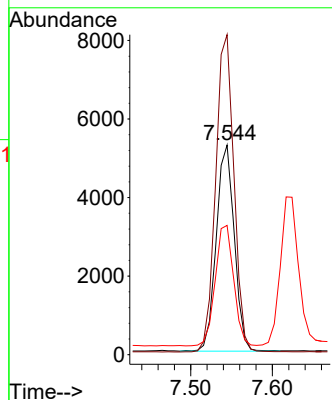


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.544 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

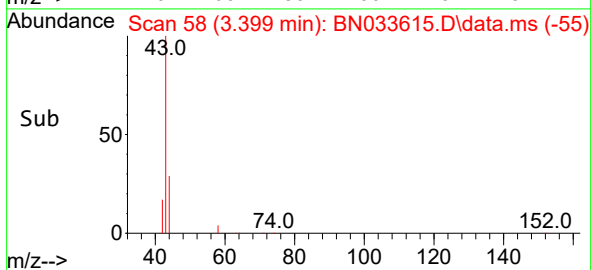
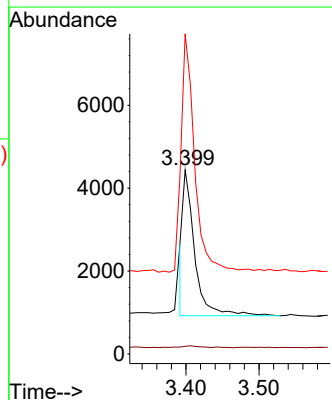
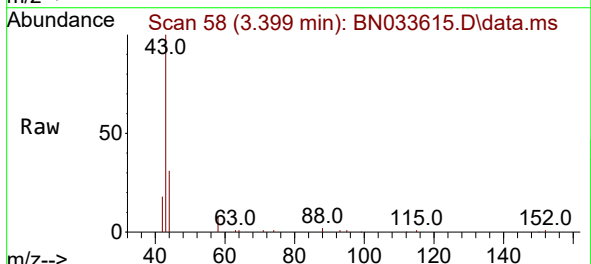


Tgt Ion:152 Resp: 8046
Ion Ratio Lower Upper
152 100
150 152.6 122.2 183.2
115 61.7 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.365 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion: 42 Resp: 3926
Ion Ratio Lower Upper
42 100
74 1.3 100.2 150.2#
44 157.2 5.3 7.9#

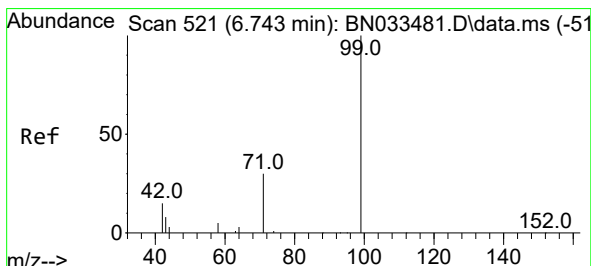
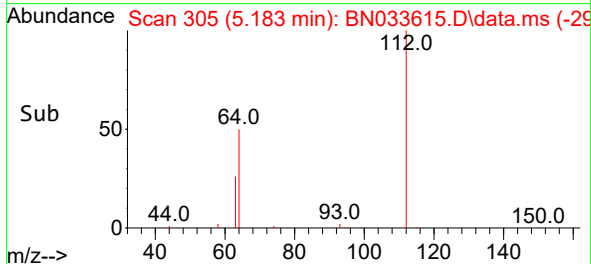
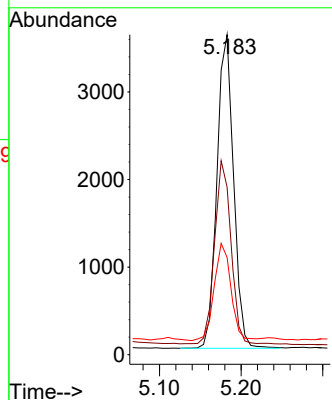
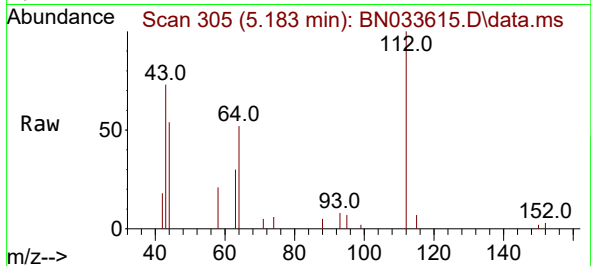




#4
2-Fluorophenol
Concen: 0.198 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

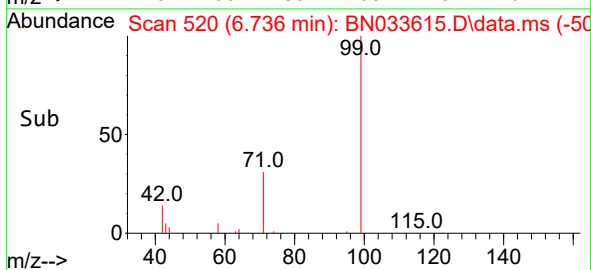
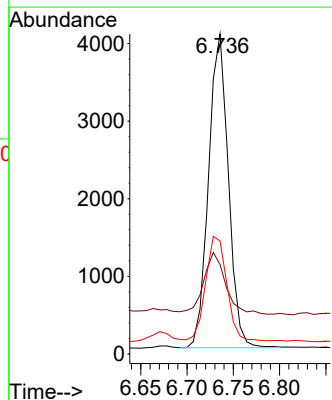
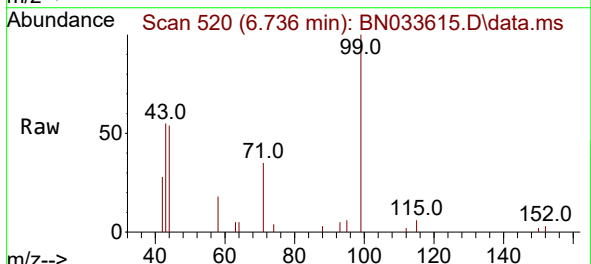
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

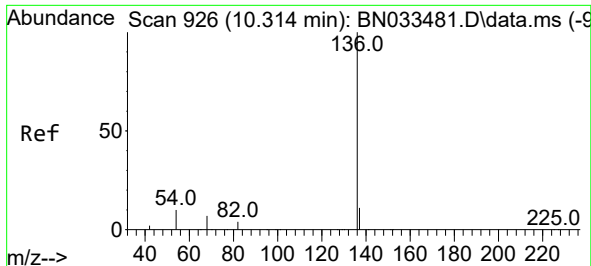
Tgt Ion:112 Resp: 5061
Ion Ratio Lower Upper
112 100
64 57.5 47.1 70.7
63 31.3 24.9 37.3



#5
Phenol-d6
Concen: 0.198 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion: 99 Resp: 6024
Ion Ratio Lower Upper
99 100
42 21.7 16.6 24.8
71 35.3 26.2 39.4

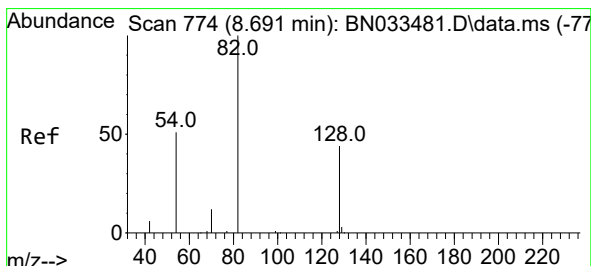
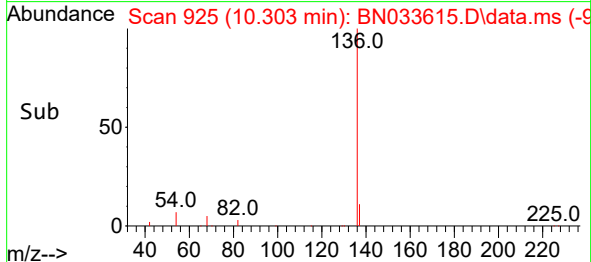
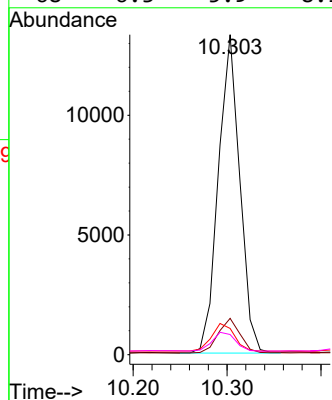
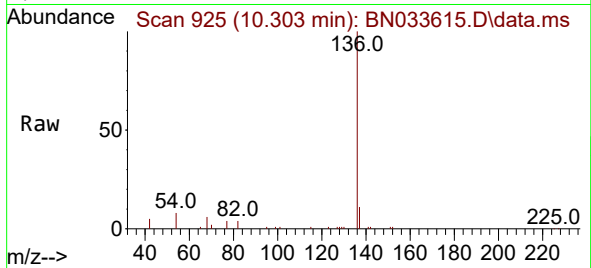




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 91
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

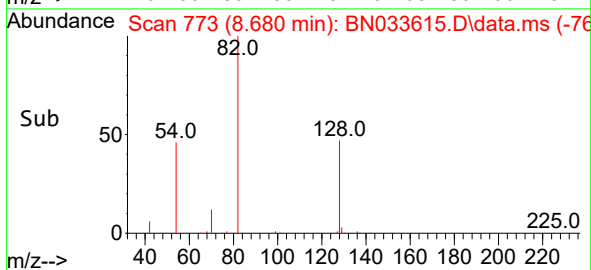
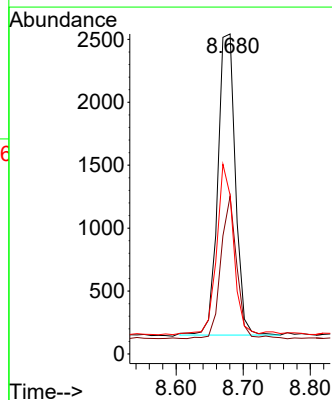
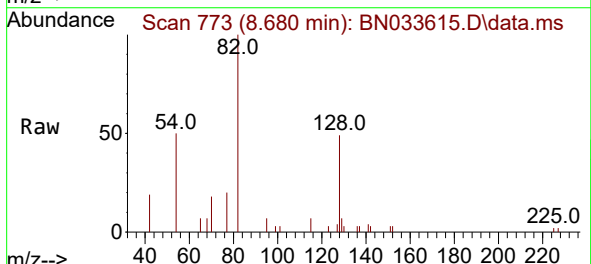
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

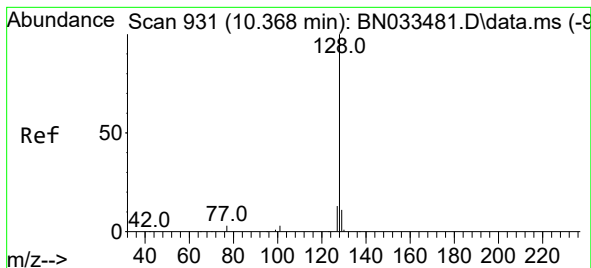
Tgt Ion:	136	Resp:	21152
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.2	8.3	12.5
68	6.3	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.680 min Scan# 773
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:	82	Resp:	4360
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.0	54.0
54	49.6	42.0	63.0





#9

Naphthalene

Concen: 0.042 ng

RT: 10.346 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0.5-1-082024

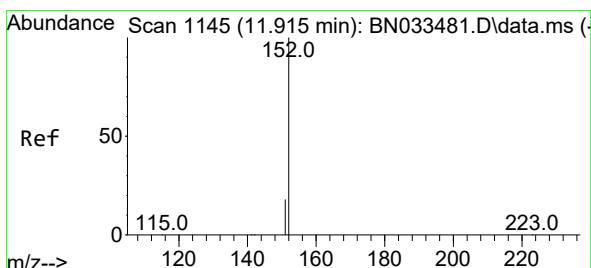
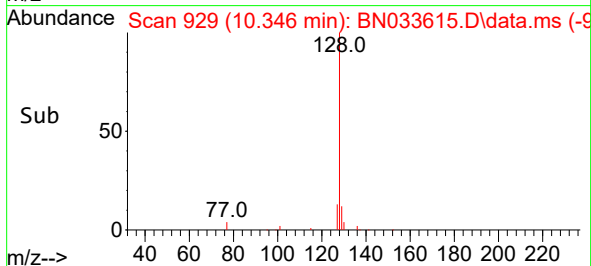
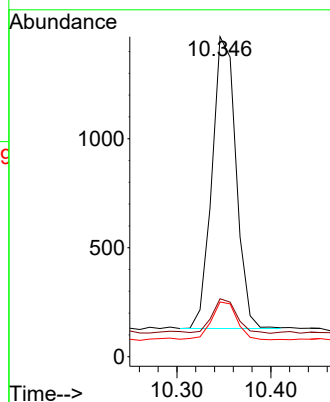
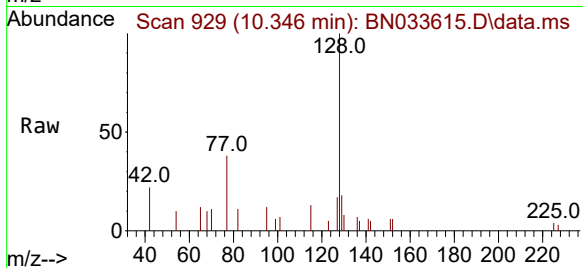
Tgt Ion:128 Resp: 2383

Ion Ratio Lower Upper

128 100

129 18.1 9.1 13.7#

127 17.1 10.7 16.1#



#11

2-Methylnaphthalene-d10

Concen: 0.217 ng

RT: 11.899 min Scan# 1141

Delta R.T. -0.004 min

Lab File: BN033615.D

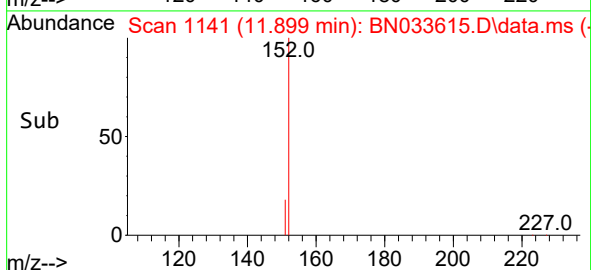
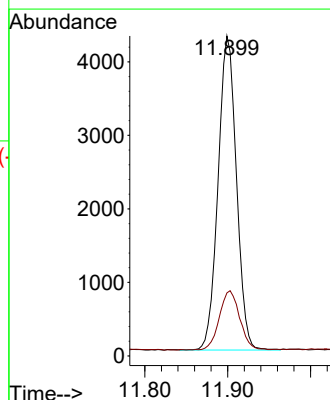
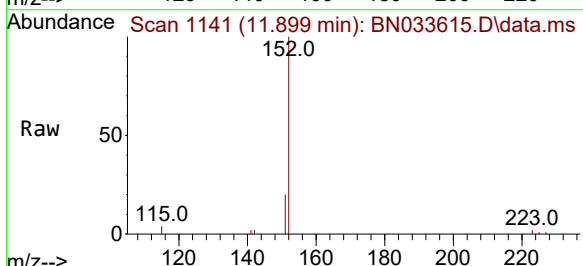
Acq: 24 Aug 2024 07:09

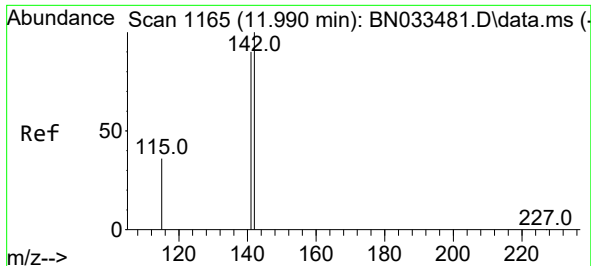
Tgt Ion:152 Resp: 6564

Ion Ratio Lower Upper

152 100

151 20.9 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.046 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0.5-1-082024

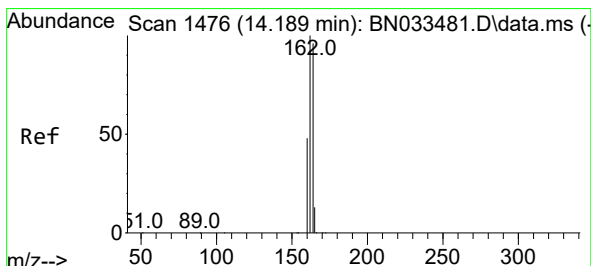
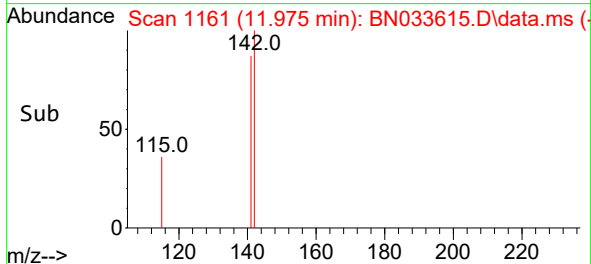
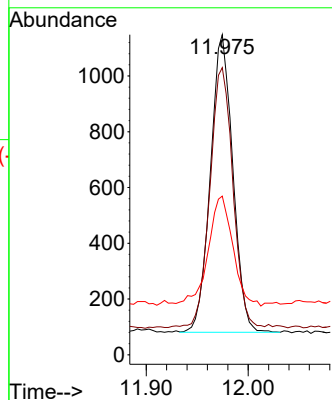
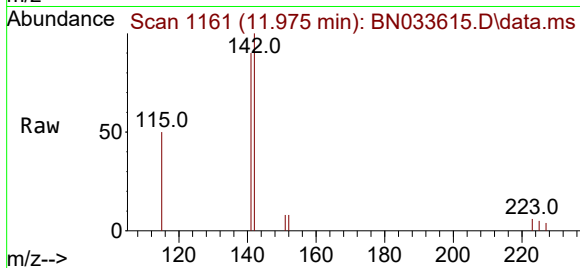
Tgt Ion:142 Resp: 1628

Ion Ratio Lower Upper

142 100

141 89.7 71.7 107.5

115 49.6 29.4 44.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.177 min Scan# 1475

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

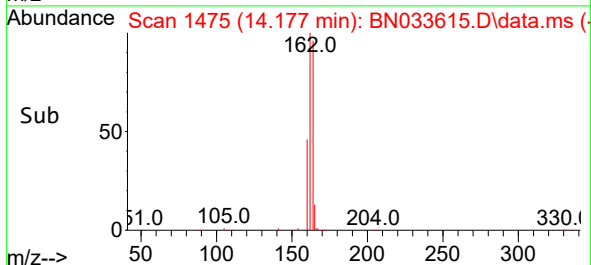
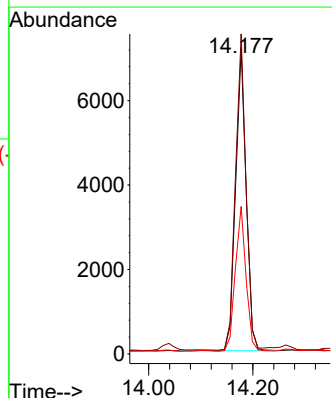
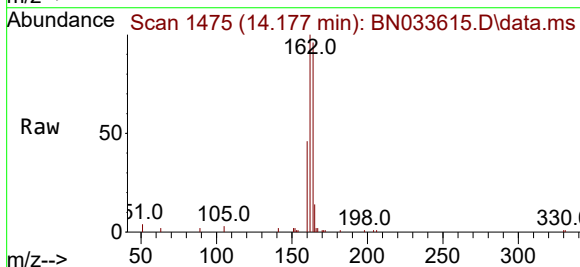
Tgt Ion:164 Resp: 10116

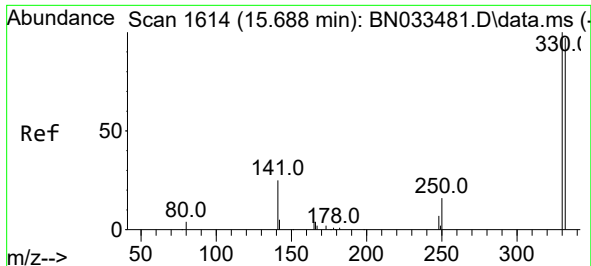
Ion Ratio Lower Upper

164 100

162 104.5 83.5 125.3

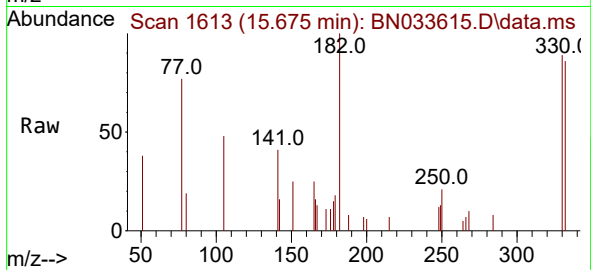
160 48.2 40.2 60.4



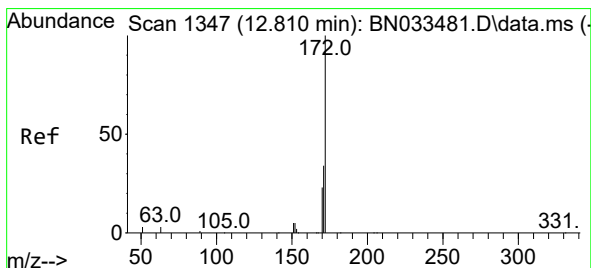
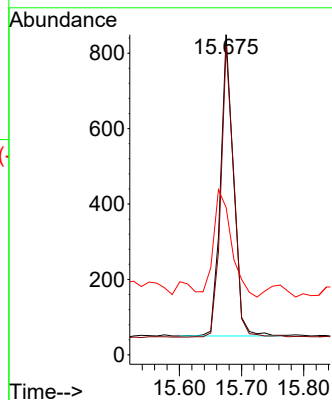
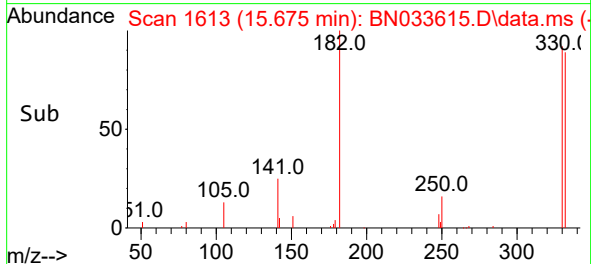


#14
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 15.675 min Scan# 1
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Instrument :
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ClientSampleId :
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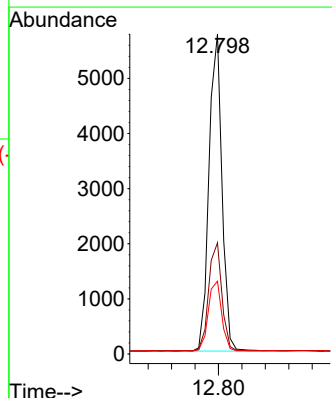
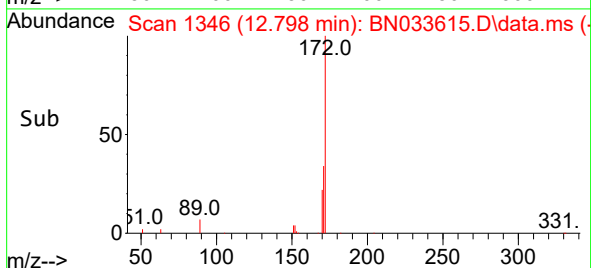
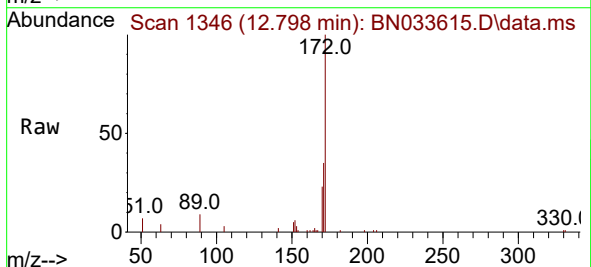


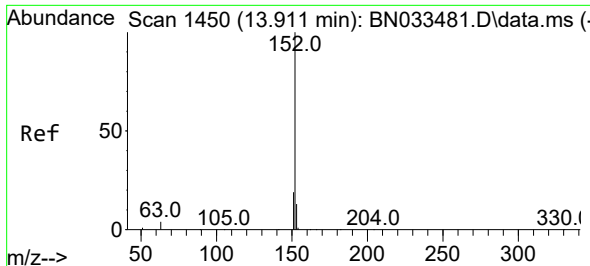
Tgt Ion:330 Resp: 1163
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 48.7 33.9 50.9



#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 12.798 min Scan# 1346
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:172 Resp: 8860
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 22.7 18.3 27.5

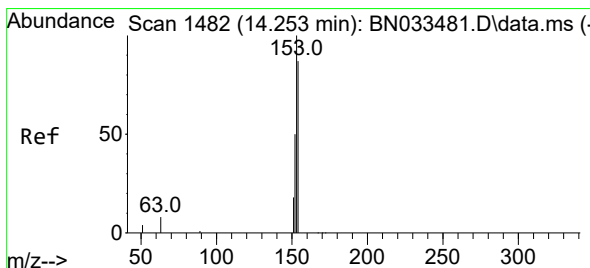
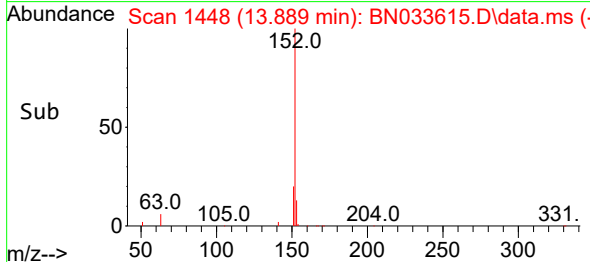
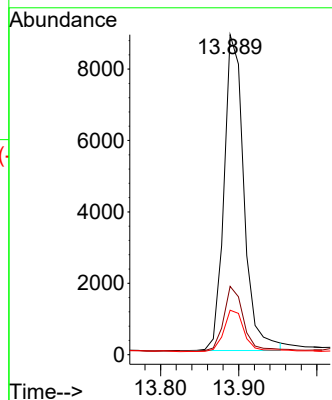
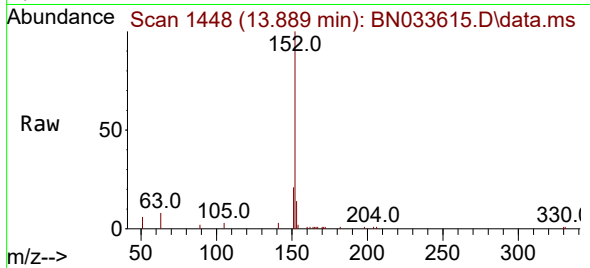




#16
Acenaphthylene
Concen: 0.353 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

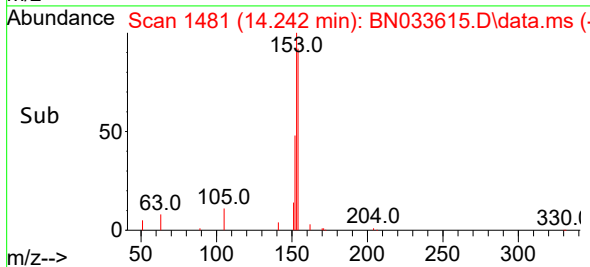
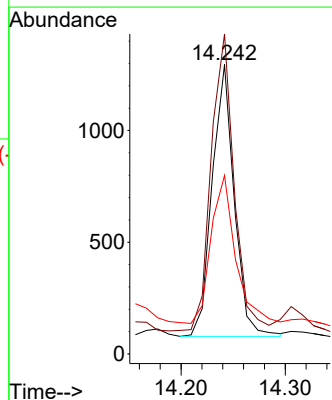
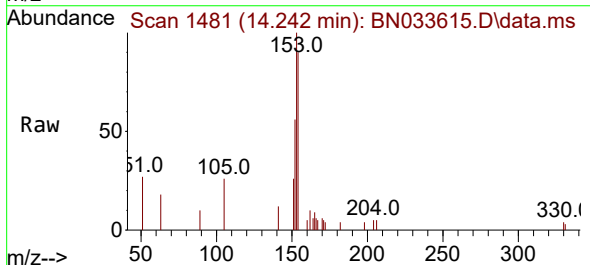
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

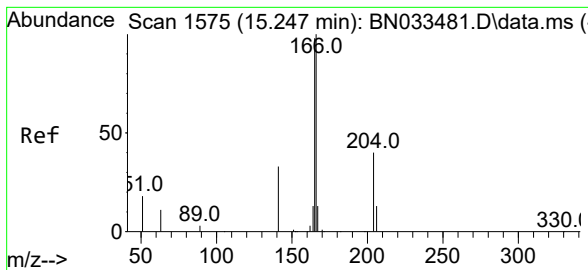
Tgt Ion:152 Resp: 15660
Ion Ratio Lower Upper
152 100
151 19.9 15.7 23.5
153 13.5 10.3 15.5



#17
Acenaphthene
Concen: 0.057 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:154 Resp: 1792
Ion Ratio Lower Upper
154 100
153 113.4 89.0 133.6
152 59.0 45.2 67.8





#18

Fluorene

Concen: 0.072 ng

RT: 15.236 min Scan# 11

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0.5-1-082024

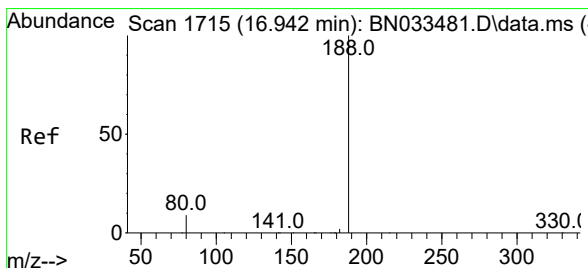
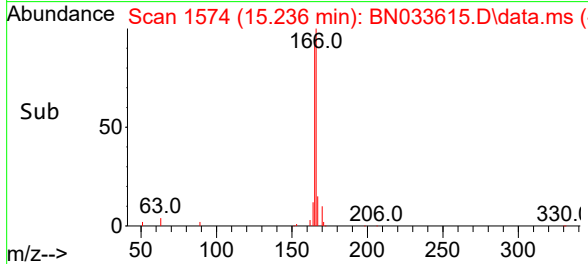
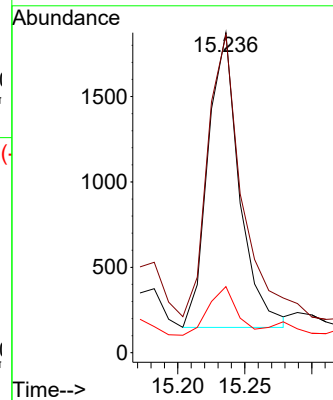
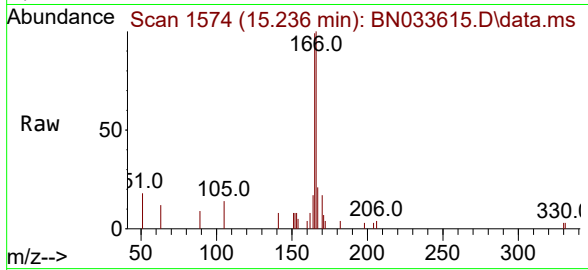
Tgt Ion:166 Resp: 2821

Ion Ratio Lower Upper

166 100

165 103.1 78.2 117.4

167 16.2 10.6 16.0#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1714

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

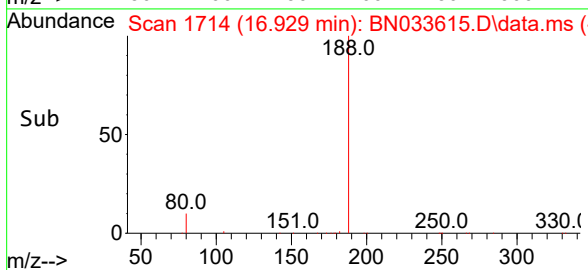
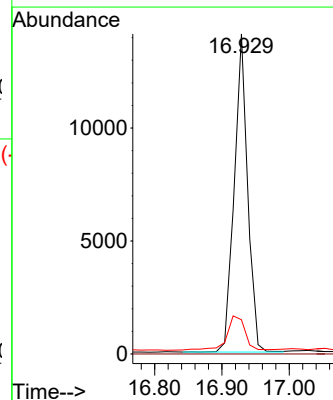
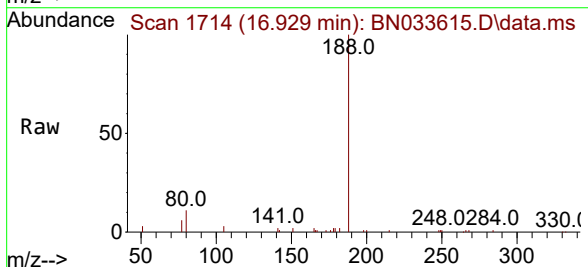
Tgt Ion:188 Resp: 19564

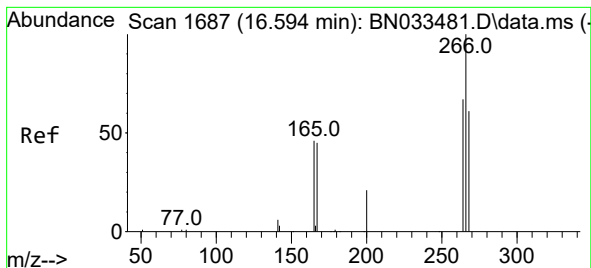
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.7 7.8 11.8





#24

Pentachlorophenol

Concen: 0.373 ng

RT: 16.581 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0.5-1-082024

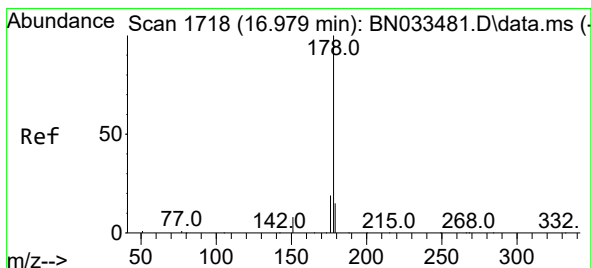
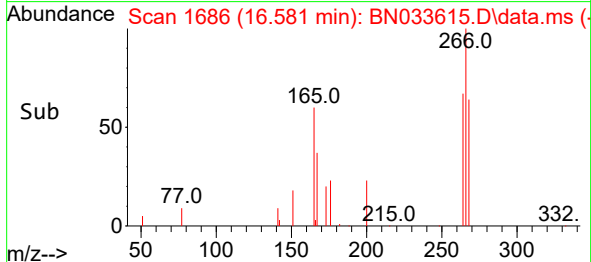
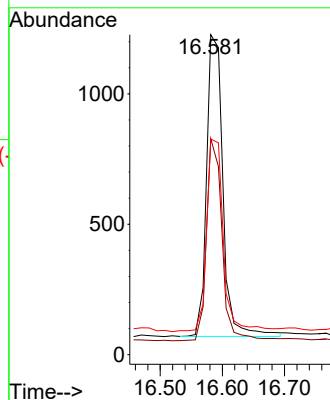
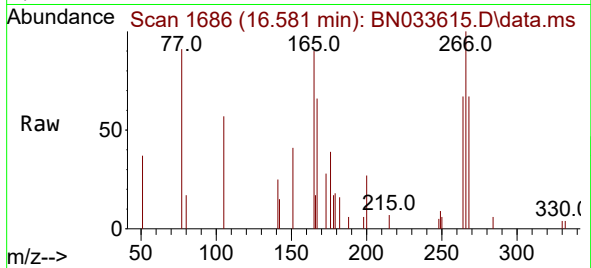
Tgt Ion:266 Resp: 2119

Ion Ratio Lower Upper

266 100

264 63.8 51.9 77.9

268 65.2 51.0 76.4



#25

Phenanthrene

Concen: 1.136 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

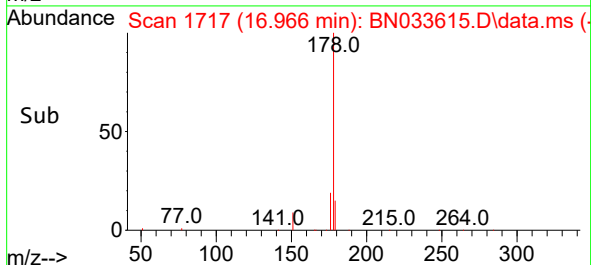
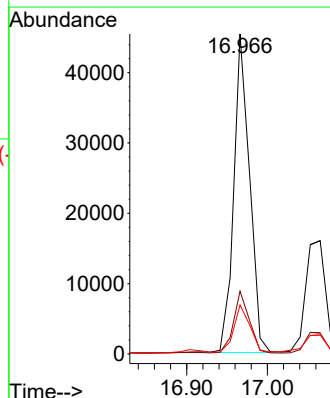
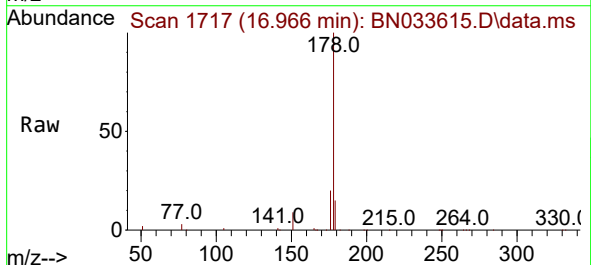
Tgt Ion:178 Resp: 61832

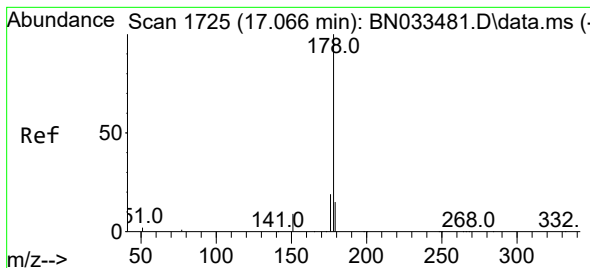
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 14.7 12.3 18.5





#26

Anthracene

Concen: 0.573 ng

RT: 17.065 min Scan# 1

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

Instrument :

BNA_N

ClientSampleId :

S-930-K1-SO-0.5-1-082024

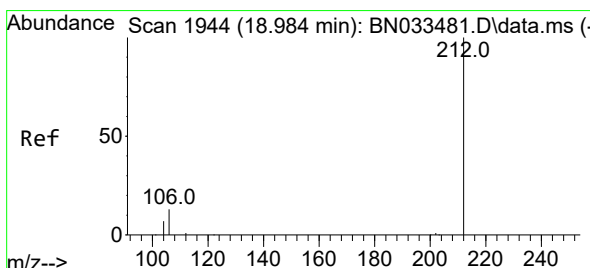
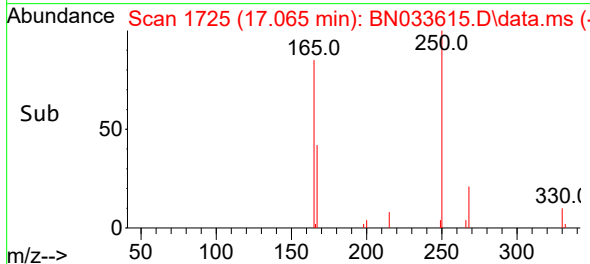
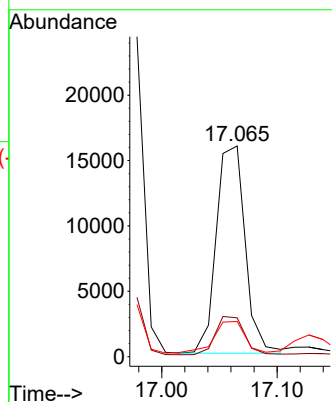
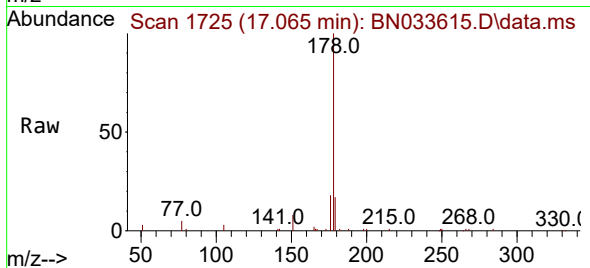
Tgt Ion:178 Resp: 27574

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

179 16.4 12.4 18.6



#27

Fluoranthene-d10

Concen: 0.195 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.001 min

Lab File: BN033615.D

Acq: 24 Aug 2024 07:09

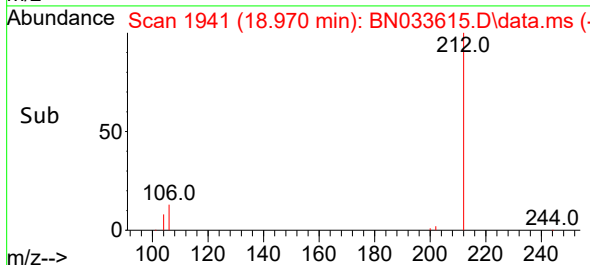
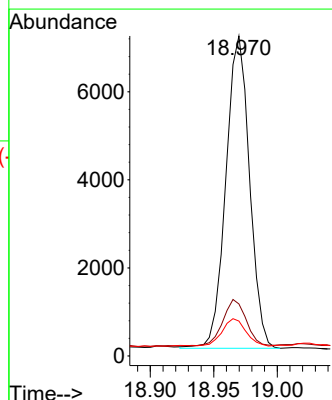
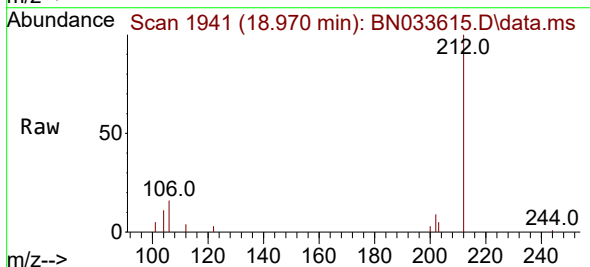
Tgt Ion:212 Resp: 9182

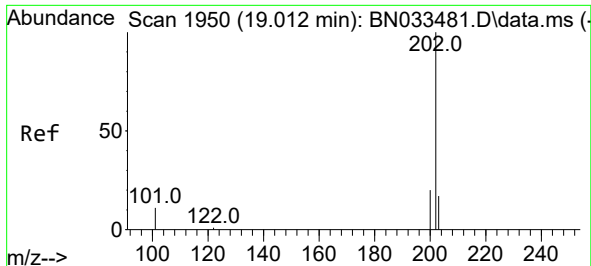
Ion Ratio Lower Upper

212 100

106 14.8 12.3 18.5

104 8.6 7.0 10.4

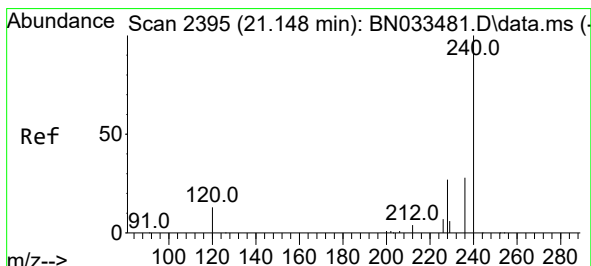
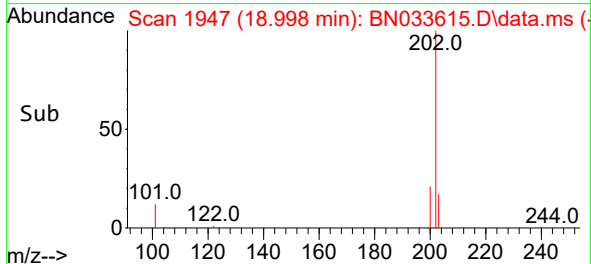
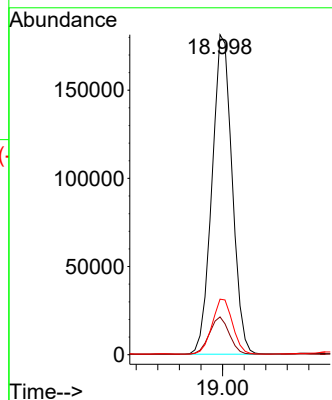
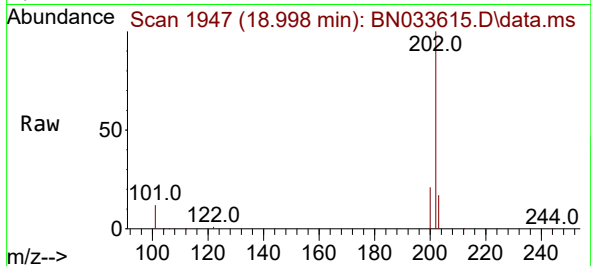




#28
Fluoranthene
Concen: 3.911 ng
RT: 18.998 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

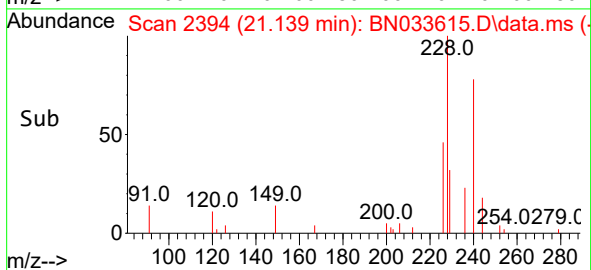
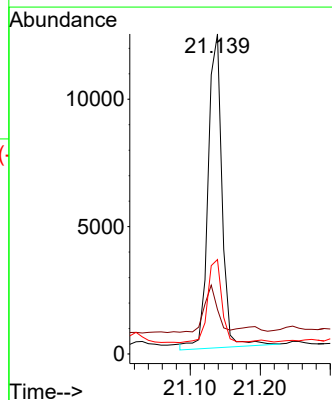
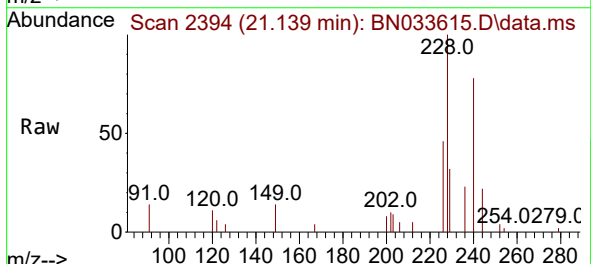
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

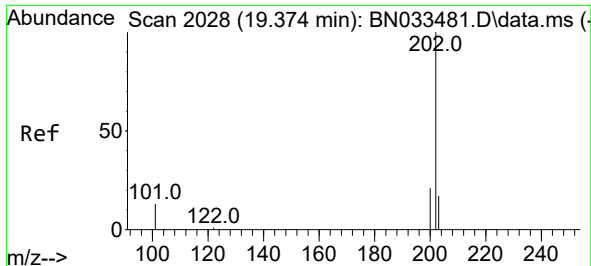
Tgt Ion:202 Resp: 235214
Ion Ratio Lower Upper
202 100
101 11.5 9.5 14.3
203 17.4 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:240 Resp: 17136
Ion Ratio Lower Upper
240 100
120 13.9 12.4 18.6
236 29.5 23.0 34.6

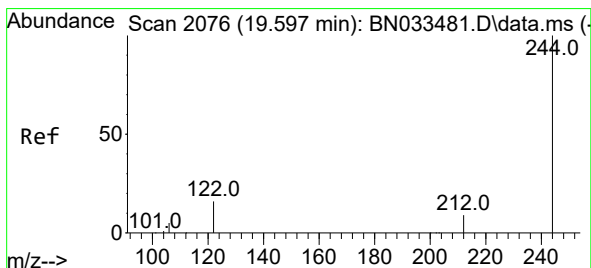
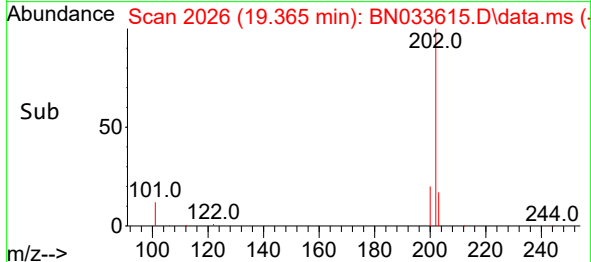
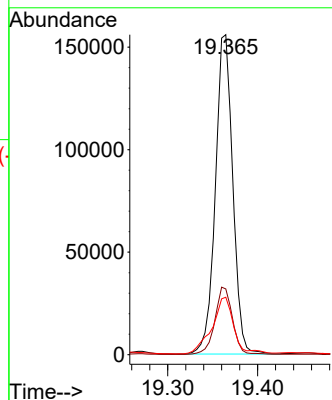
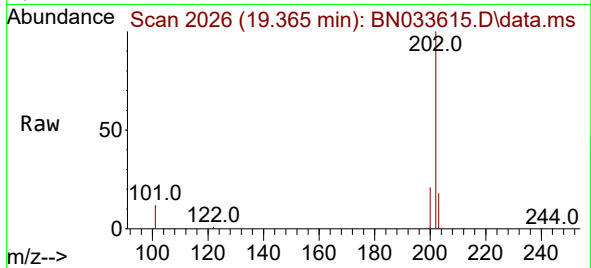




#30
Pyrene
Concen: 2.735 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

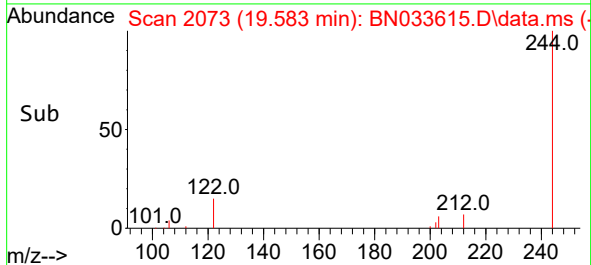
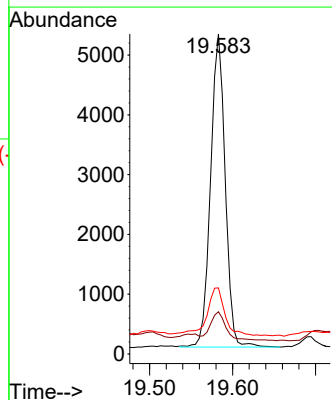
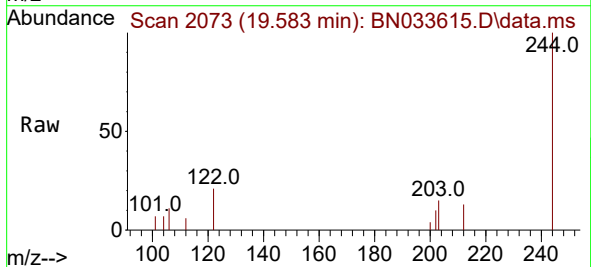
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

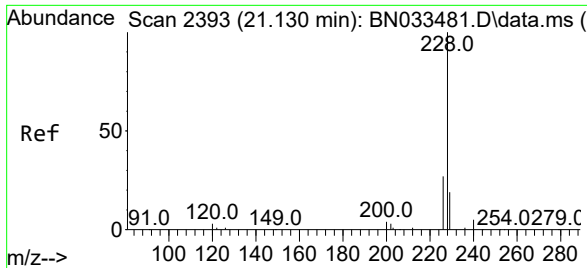
Tgt Ion:202 Resp: 209162
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 22.1 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.165 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:244 Resp: 6410
Ion Ratio Lower Upper
244 100
212 13.2 7.8 11.6#
122 20.6 13.3 19.9#

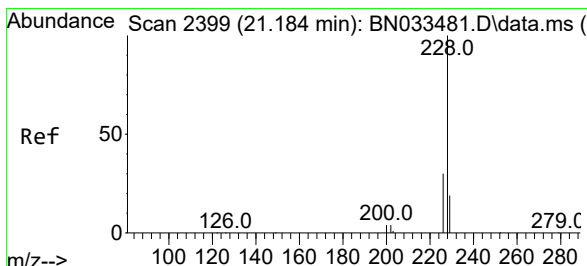
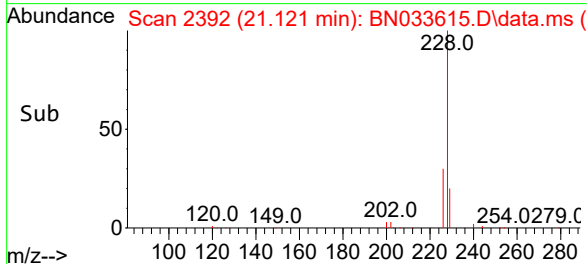
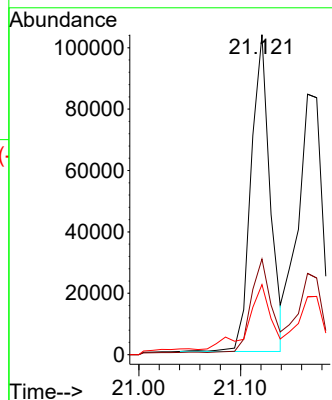
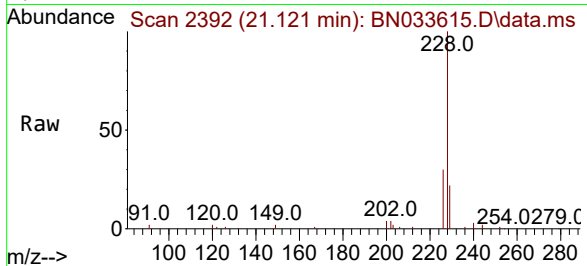




#32
Benzo(a)anthracene
Concen: 2.165 ng
RT: 21.121 min Scan# 21
Delta R.T. -0.001 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

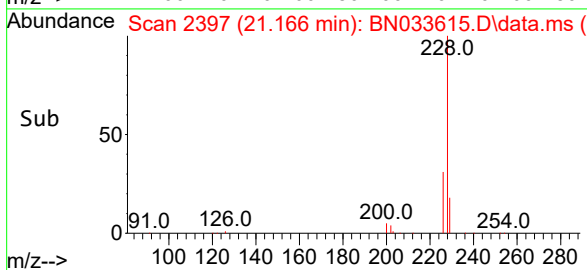
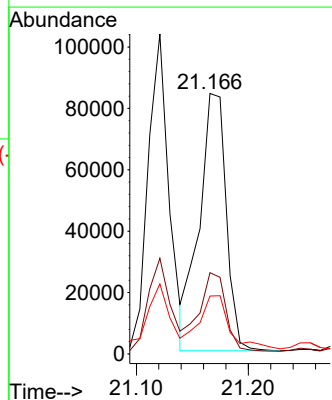
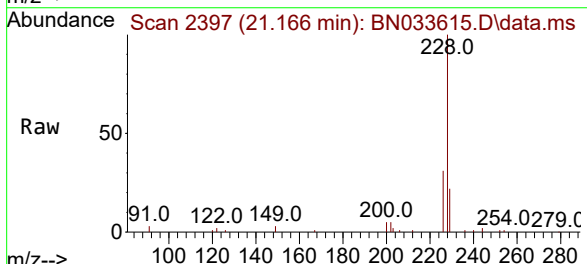
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

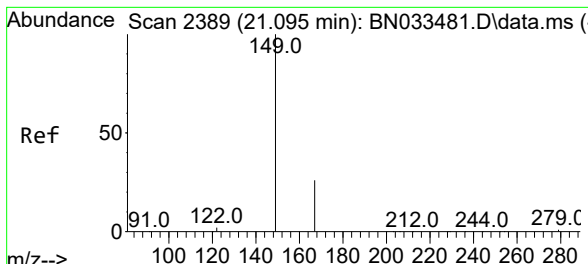
Tgt Ion:228 Resp: 134106
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.6
229 21.9 15.8 23.6



#33
Chrysene
Concen: 2.286 ng
RT: 21.166 min Scan# 2397
Delta R.T. -0.010 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:228 Resp: 140753
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 22.2 15.6 23.4

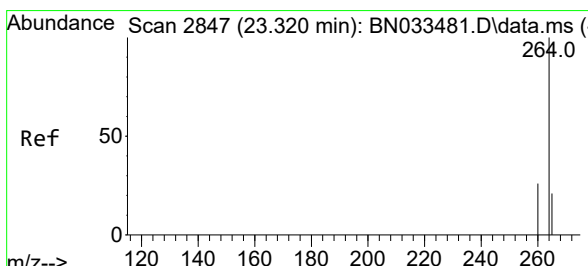
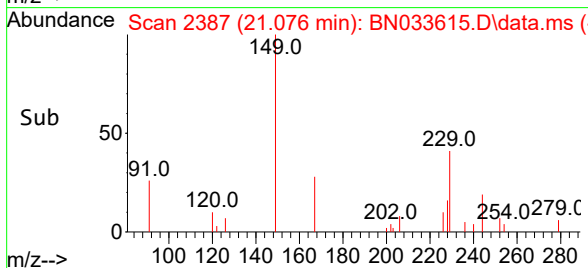
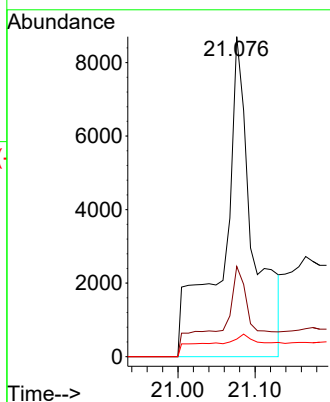
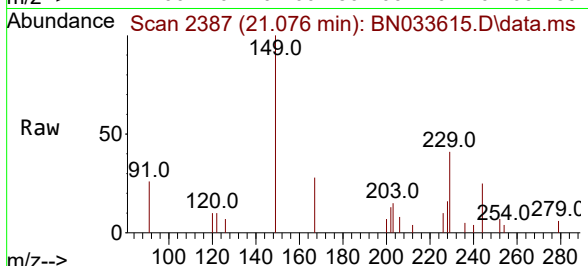




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.598 ng
RT: 21.076 min Scan# 2107
Delta R.T. -0.010 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

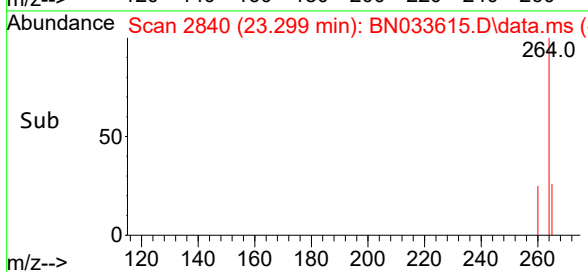
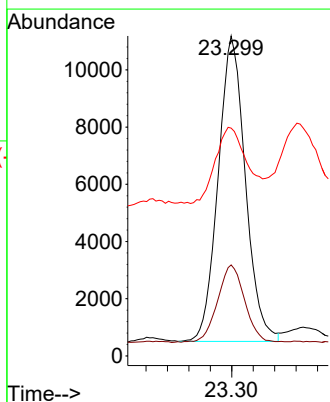
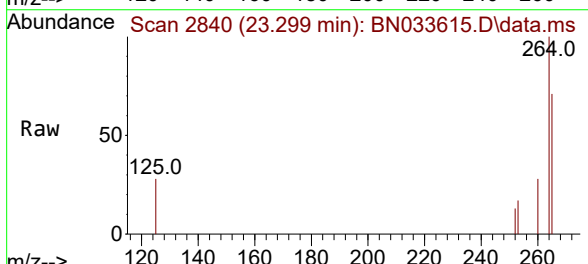
Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

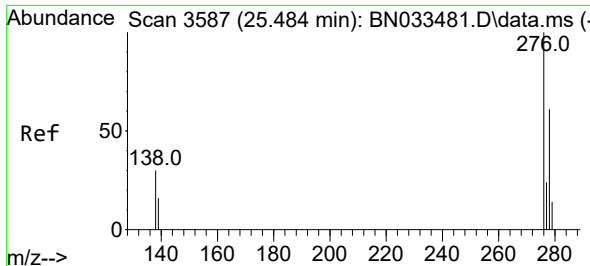
Tgt Ion:149 Resp: 23460
Ion Ratio Lower Upper
149 100
167 30.9 21.5 32.3
279 14.2 2.2 3.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.299 min Scan# 2840
Delta R.T. -0.004 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:264 Resp: 18826
Ion Ratio Lower Upper
264 100
260 28.5 20.8 31.2
265 71.2 52.2 78.2

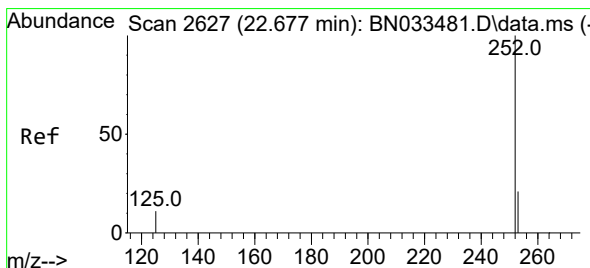
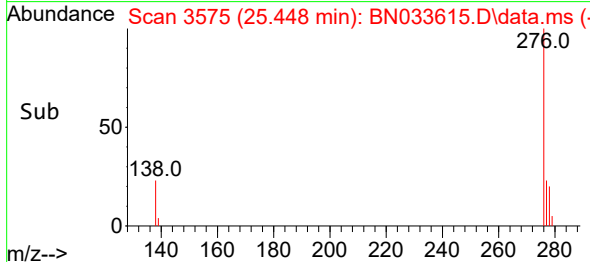
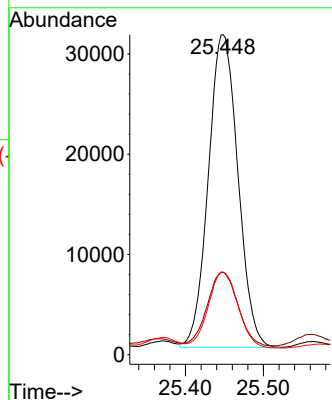
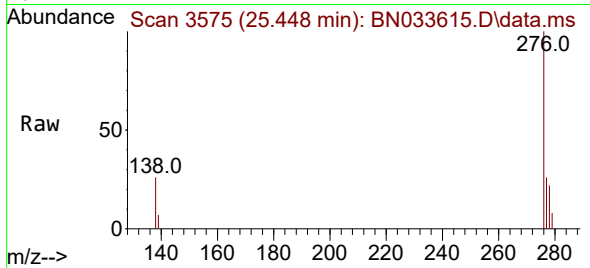




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.053 ng
 RT: 25.448 min Scan# 3587
 Delta R.T. -0.001 min
 Lab File: BN033615.D
 Acq: 24 Aug 2024 07:09

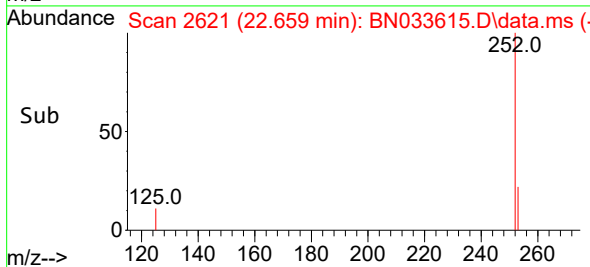
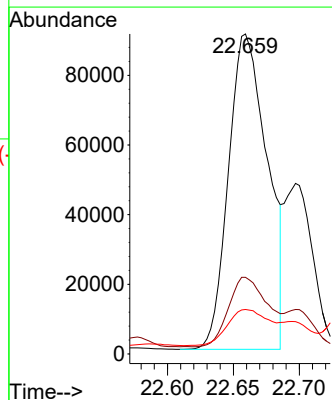
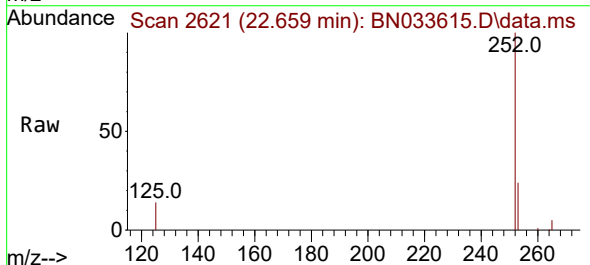
Instrument :
 BNA_N
 ClientSampleId :
 S-930-K1-SO-0.5-1-082024

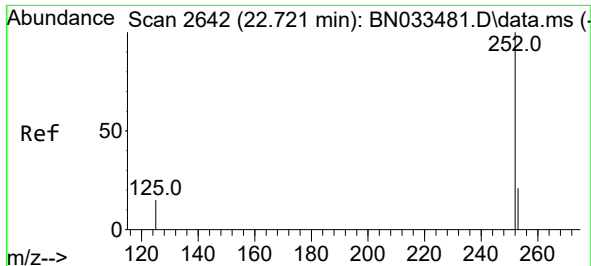
Tgt Ion:276 Resp: 82331
 Ion Ratio Lower Upper
 276 100
 138 24.2 24.4 36.6#
 277 24.6 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 2.638 ng
 RT: 22.659 min Scan# 2621
 Delta R.T. -0.001 min
 Lab File: BN033615.D
 Acq: 24 Aug 2024 07:09

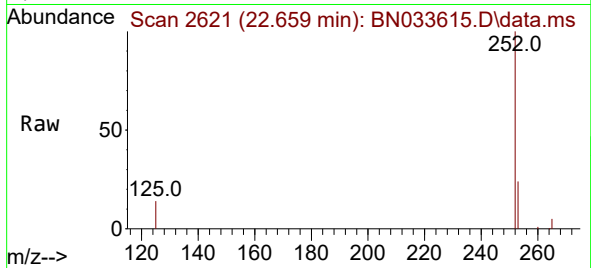
Tgt Ion:252 Resp: 185481
 Ion Ratio Lower Upper
 252 100
 253 24.0 19.8 29.8
 125 13.9 13.9 20.9



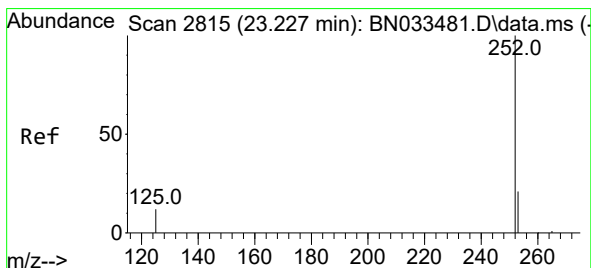
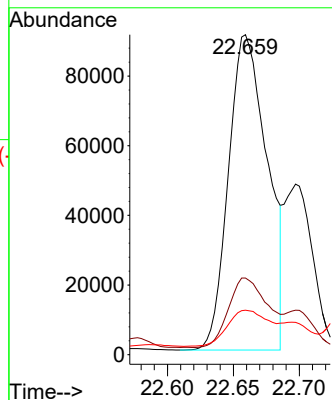


#38
Benzo(k)fluoranthene
Concen: 2.680 ng
RT: 22.659 min Scan# 21
Delta R.T. -0.044 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

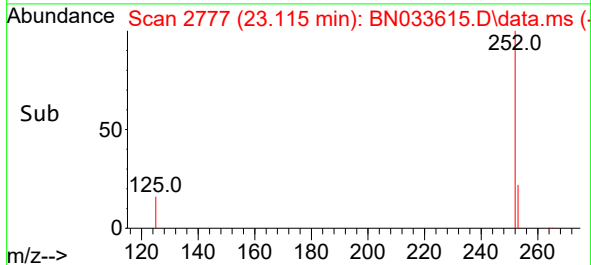
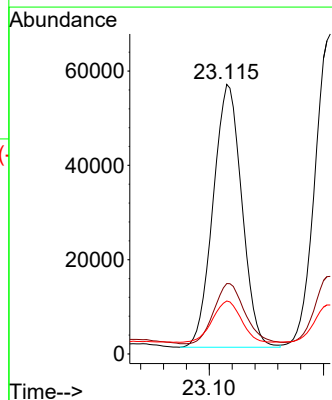
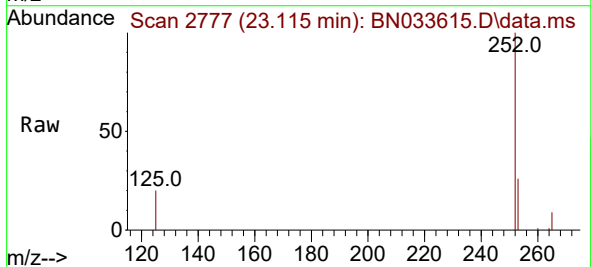


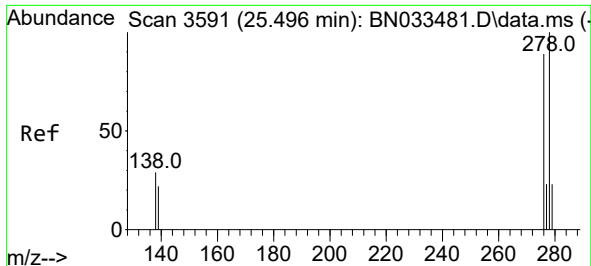
Tgt Ion:252 Resp: 185481
Ion Ratio Lower Upper
252 100
253 24.0 19.8 29.8
125 13.9 15.8 23.8#



#39
Benzo(a)pyrene
Concen: 1.671 ng
RT: 23.115 min Scan# 2777
Delta R.T. -0.094 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:252 Resp: 97199
Ion Ratio Lower Upper
252 100
253 26.1 21.5 32.3
125 19.7 17.0 25.4

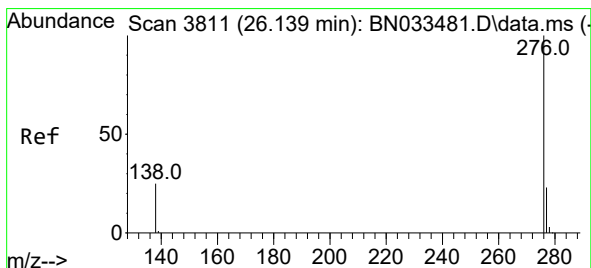
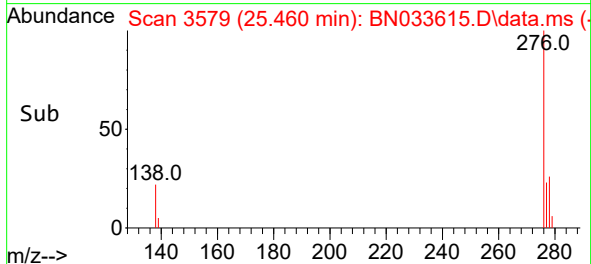
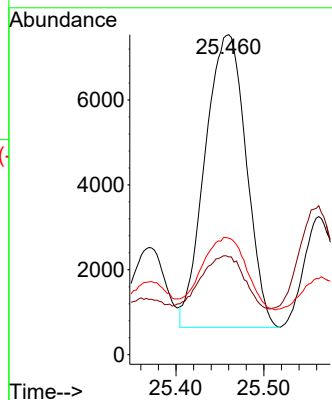
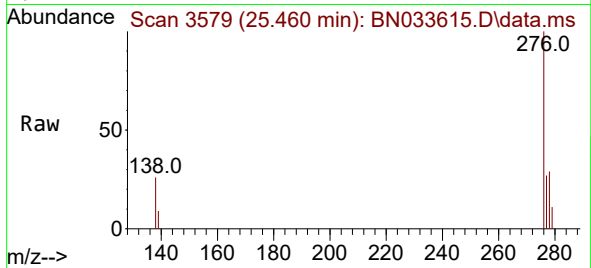




#40
Dibenzo(a,h)anthracene
Concen: 0.358 ng
RT: 25.460 min Scan# 310
Delta R.T. -0.009 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Instrument :
BNA_N
ClientSampleId :
S-930-K1-SO-0.5-1-082024

Tgt Ion:278 Resp: 22391
Ion Ratio Lower Upper
278 100
139 30.5 19.1 28.7#
279 36.4 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 1.179 ng
RT: 26.106 min Scan# 3800
Delta R.T. 0.002 min
Lab File: BN033615.D
Acq: 24 Aug 2024 07:09

Tgt Ion:276 Resp: 78827
Ion Ratio Lower Upper
276 100
277 25.5 19.7 29.5
138 26.3 21.8 32.6

