

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033609.D
 Acq On : 24 Aug 2024 03:32
 Operator : MA/JU
 Sample : P3641-02DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0.5-1.0-081524DL

Quant Time: Aug 24 04:06:06 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

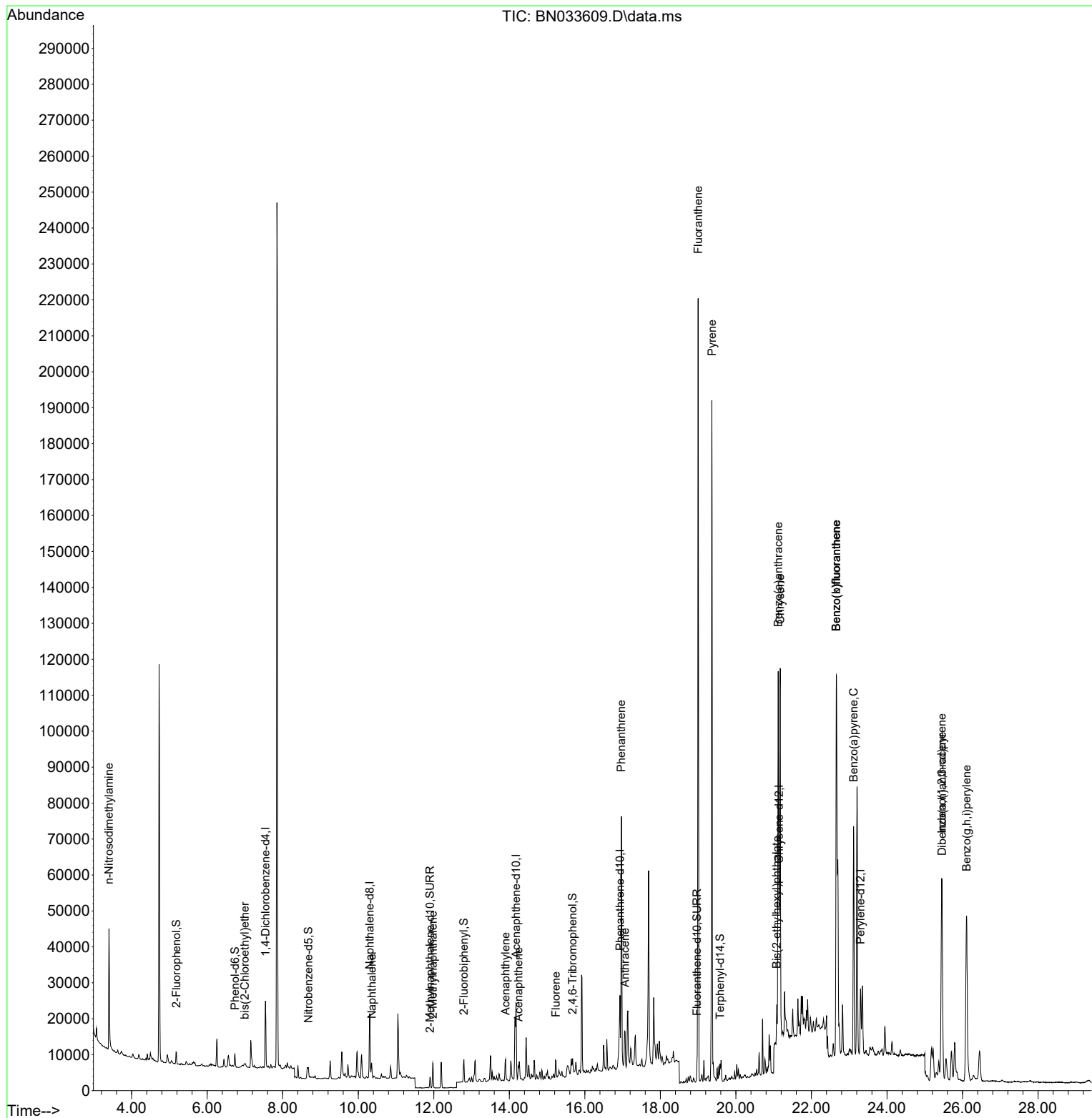
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8222	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	21915	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11402	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	23429	0.400	ng	0.00
29) Chrysene-d12	21.139	240	19153	0.400	ng	0.00
35) Perylene-d12	23.300	264	21408	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2546	0.097	ng	0.00
5) Phenol-d6	6.736	99	3100	0.100	ng	0.00
8) Nitrobenzene-d5	8.681	82	2570	0.141	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	3878	0.124	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	762	0.124	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	5171	0.111	ng	0.00
27) Fluoranthene-d10	18.970	212	6072	0.108	ng	0.00
31) Terphenyl-d14	19.583	244	4166	0.096	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.399	42	4648	0.422	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	512	0.023	ng	# 22
9) Naphthalene	10.357	128	5396	0.092	ng	# 94
12) 2-Methylnaphthalene	11.975	142	4746	0.128	ng	96
16) Acenaphthylene	13.900	152	6601	0.132	ng	98
17) Acenaphthene	14.242	154	1605	0.046	ng	93
18) Fluorene	15.236	166	2408	0.054	ng	# 93
25) Phenanthrene	16.966	178	67757	1.040	ng	99
26) Anthracene	17.066	178	11307	0.196	ng	# 94
28) Fluoranthene	19.003	202	194857	2.705	ng	99
30) Pyrene	19.365	202	167600	1.961	ng	# 96
32) Benzo(a)anthracene	21.121	228	80329	1.160	ng	95
33) Chrysene	21.175	228	103405	1.502	ng	98
34) Bis(2-ethylhexyl)phtha...	21.076	149	17767	0.405	ng	# 82
36) Indeno(1,2,3-cd)pyrene	25.452	276	85801	0.965	ng	# 93
37) Benzo(b)fluoranthene	22.659	252	162100	2.028	ng	# 95
38) Benzo(k)fluoranthene	22.659	252	162100	2.060	ng	# 93
39) Benzo(a)pyrene	23.118	252	81273	1.229	ng	96
40) Dibenzo(a,h)anthracene	25.460	278	18592	0.262	ng	# 89
41) Benzo(g,h,i)perylene	26.106	276	86462	1.138	ng	98

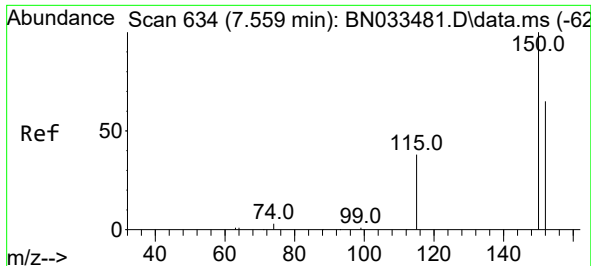
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033609.D
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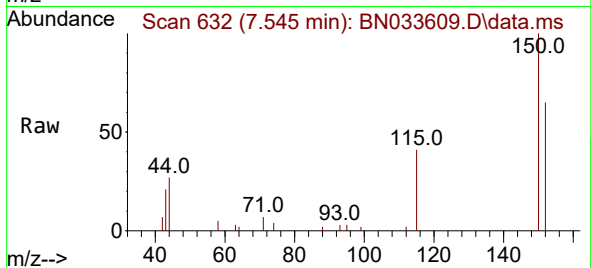
Quant Time: Aug 24 04:06:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
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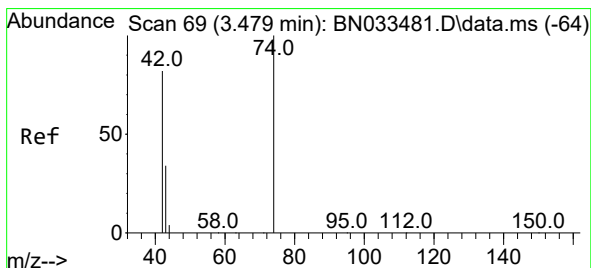
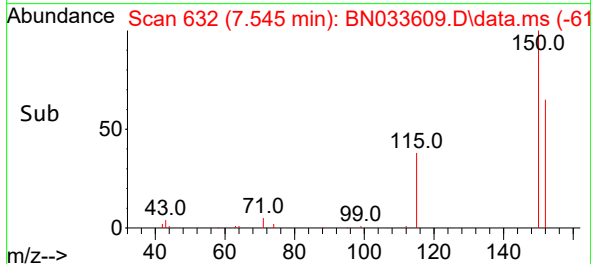
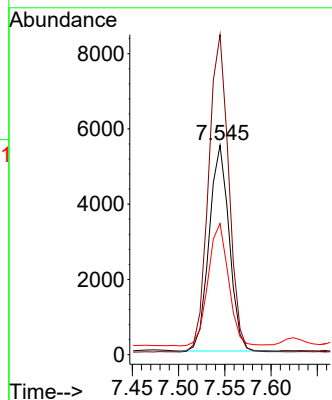
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL



Tgt Ion:152 Resp: 8222

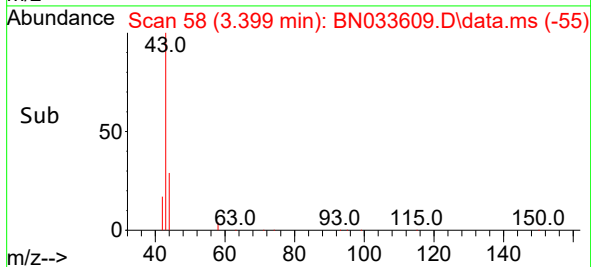
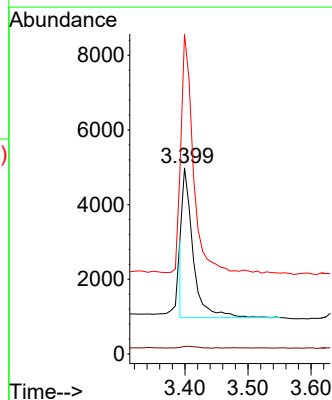
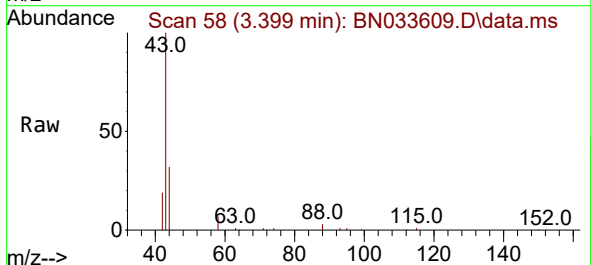
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.2
115	62.7	47.2	70.8

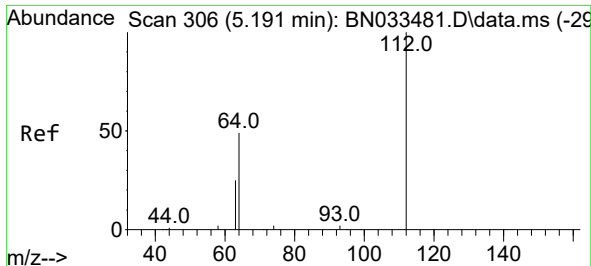


#3
n-Nitrosodimethylamine
Concen: 0.422 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion: 42 Resp: 4648

Ion	Ratio	Lower	Upper
42	100		
74	1.7	100.2	150.2#
44	154.4	5.3	7.9#

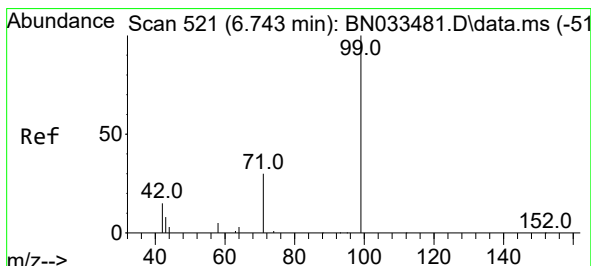
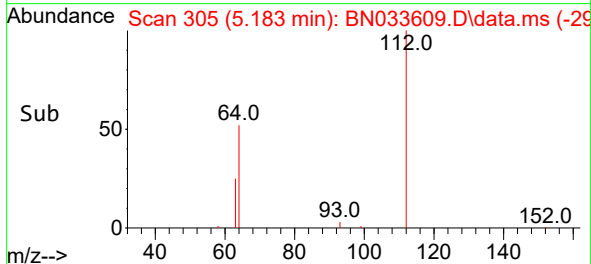
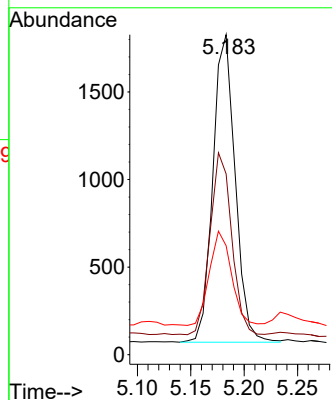
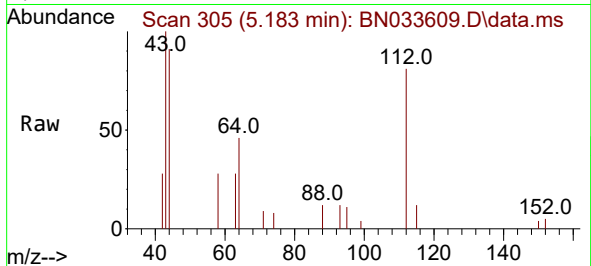




#4
2-Fluorophenol
Concen: 0.097 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

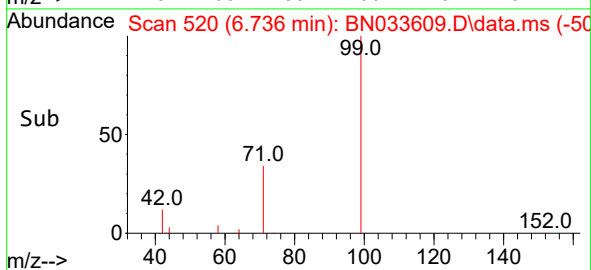
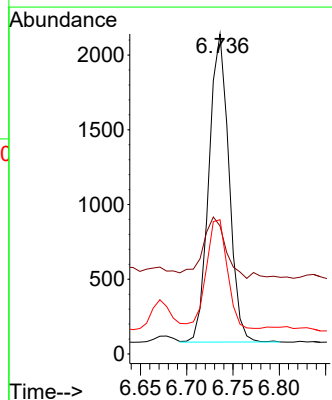
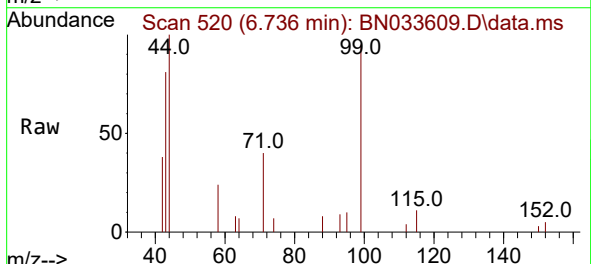
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

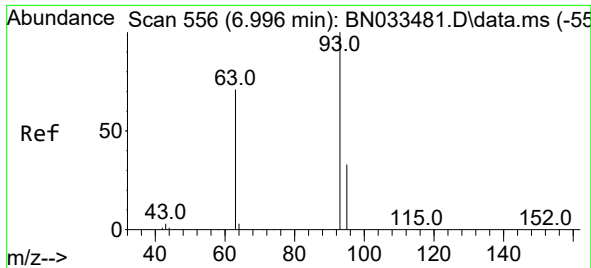
Tgt Ion:112 Resp: 2546
Ion Ratio Lower Upper
112 100
64 57.2 47.1 70.7
63 30.3 24.9 37.3



#5
Phenol-d6
Concen: 0.100 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion: 99 Resp: 3100
Ion Ratio Lower Upper
99 100
42 22.7 16.6 24.8
71 37.2 26.2 39.4

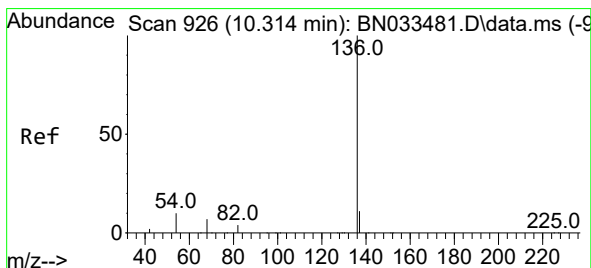
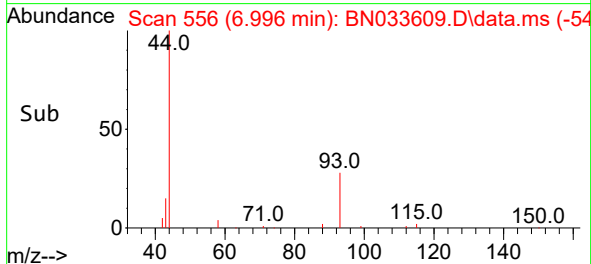
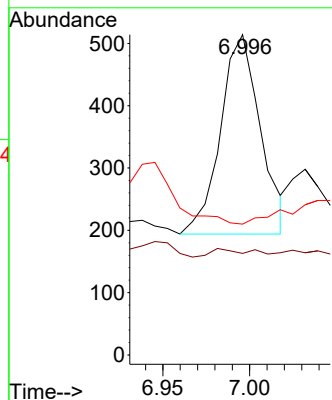
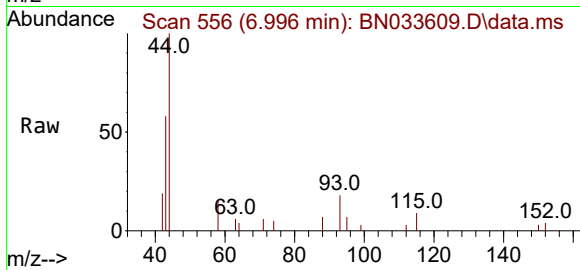




#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 6.996 min Scan# 511
Delta R.T. 0.014 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

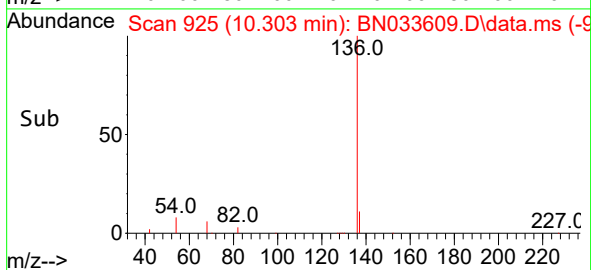
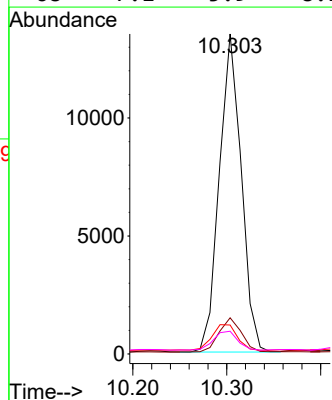
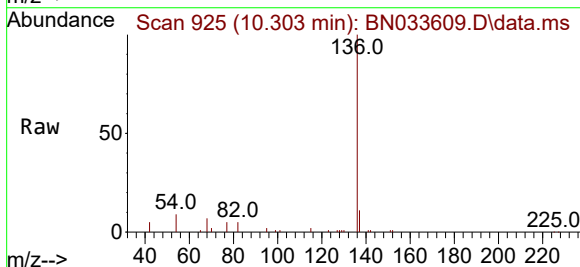
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

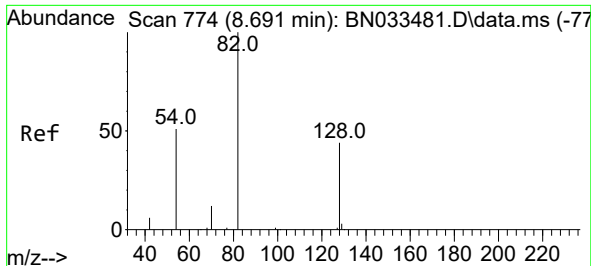
Tgt Ion: 93 Resp: 512
Ion Ratio Lower Upper
93 100
63 3.1 63.0 94.4#
95 0.0 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:136 Resp: 21915
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.0 8.3 12.5
68 7.1 5.9 8.9

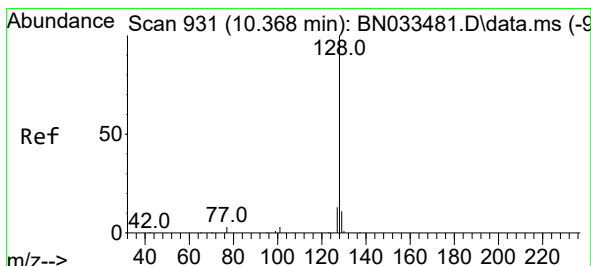
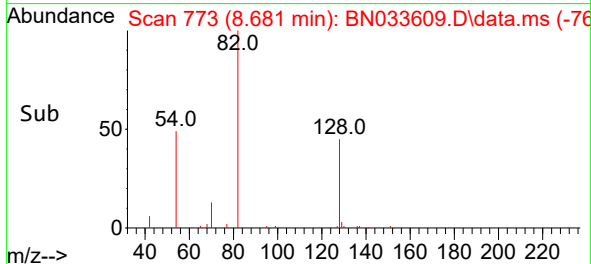
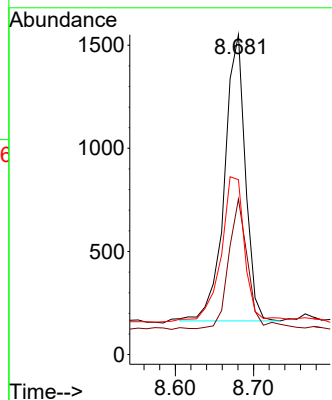
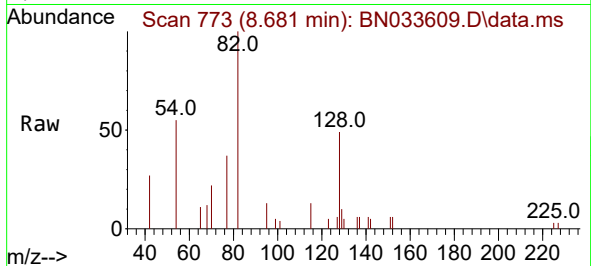




#8
Nitrobenzene-d5
Concen: 0.141 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

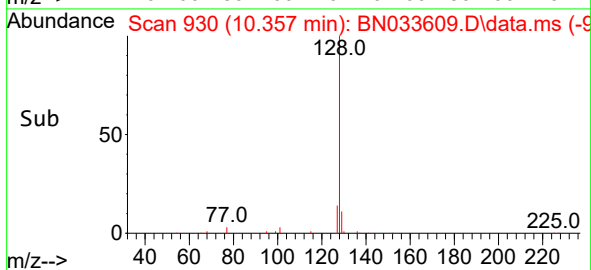
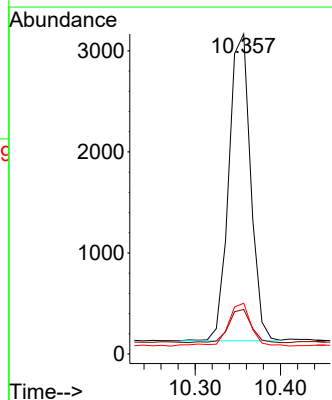
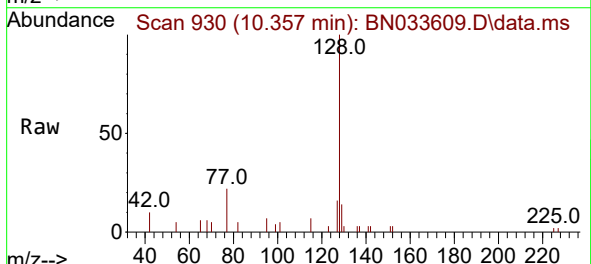
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

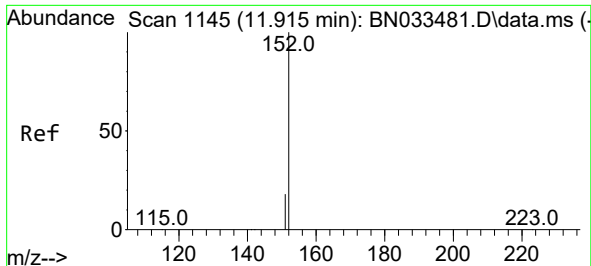
Tgt Ion: 82 Resp: 2570
Ion Ratio Lower Upper
82 100
128 48.6 36.0 54.0
54 54.7 42.0 63.0



#9
Naphthalene
Concen: 0.092 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion: 128 Resp: 5396
Ion Ratio Lower Upper
128 100
129 13.9 9.1 13.7#
127 15.9 10.7 16.1

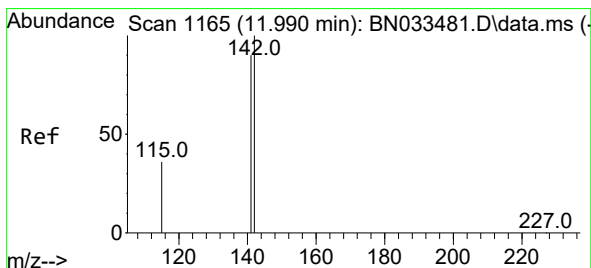
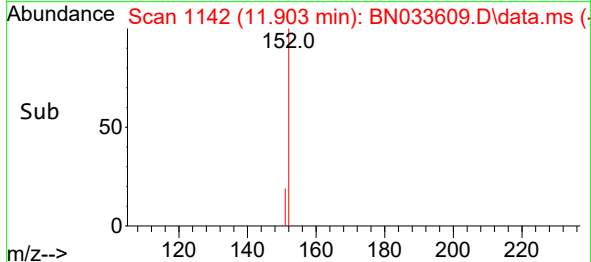
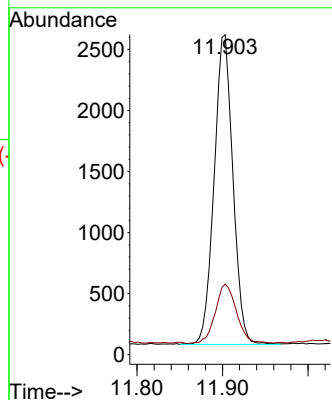
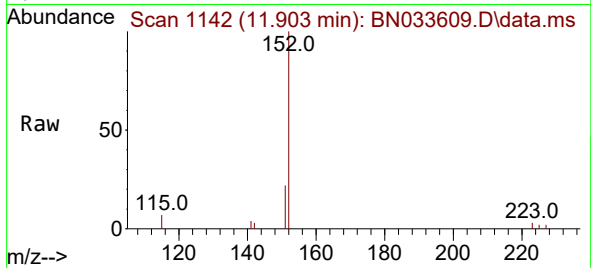




#11
2-Methylnaphthalene-d10
Concen: 0.124 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

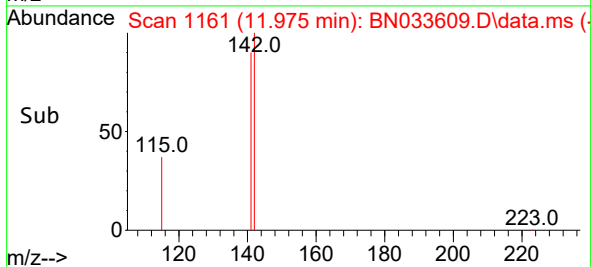
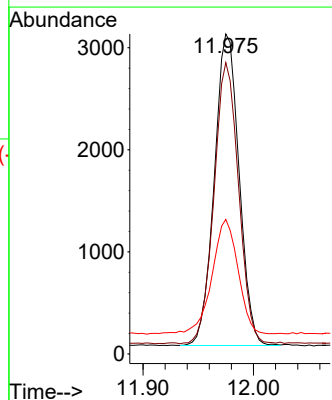
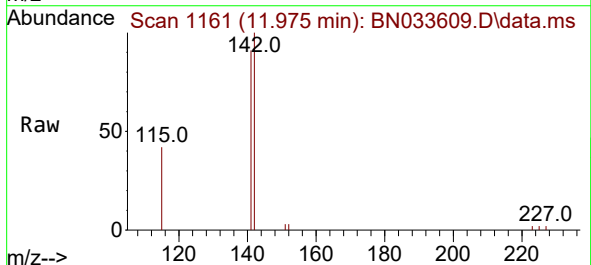
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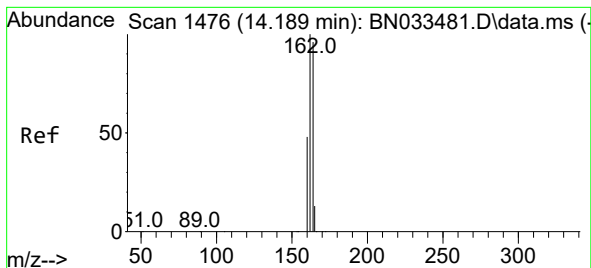
Tgt Ion:152 Resp: 3878
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.128 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:142 Resp: 4746
Ion Ratio Lower Upper
142 100
141 91.1 71.7 107.5
115 42.1 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: BN033609.D

Acq: 24 Aug 2024 03:32

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524DL

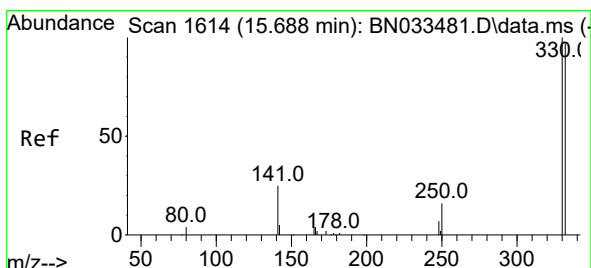
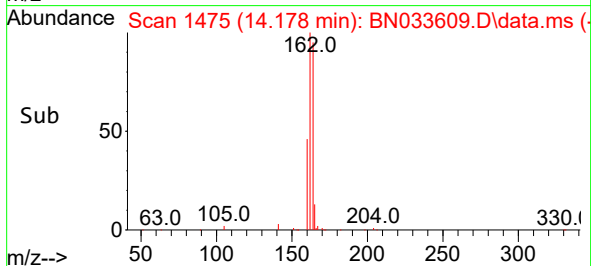
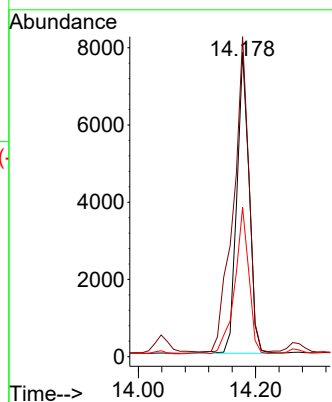
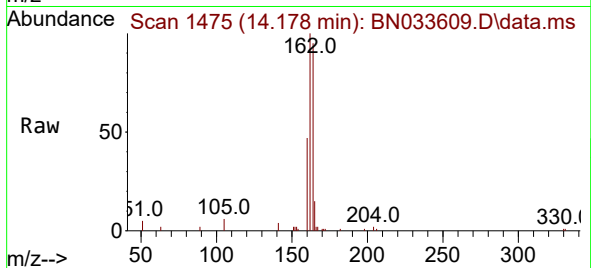
Tgt Ion:164 Resp: 11402

Ion Ratio Lower Upper

164 100

162 105.2 83.5 125.3

160 49.1 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.124 ng

RT: 15.676 min Scan# 1613

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

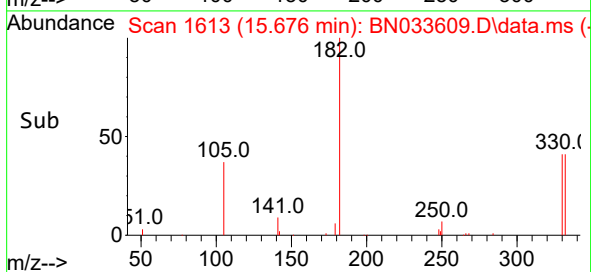
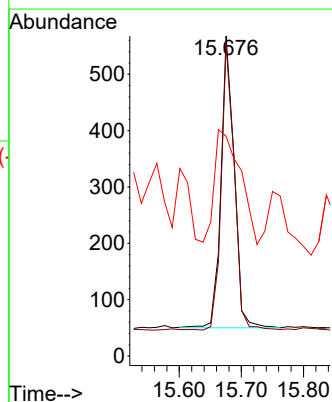
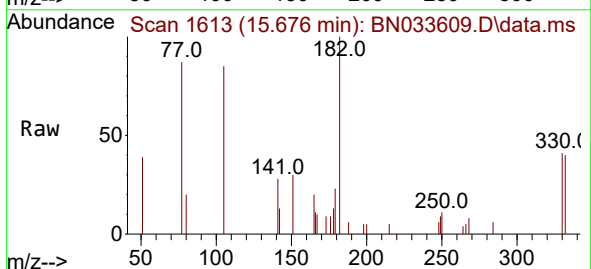
Tgt Ion:330 Resp: 762

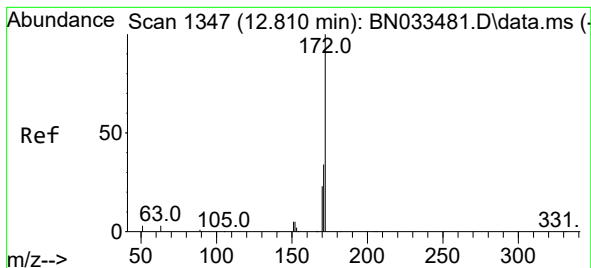
Ion Ratio Lower Upper

330 100

332 95.8 77.5 116.3

141 76.4 33.9 50.9#





#15

2-Fluorobiphenyl

Concen: 0.111 ng

RT: 12.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524DL

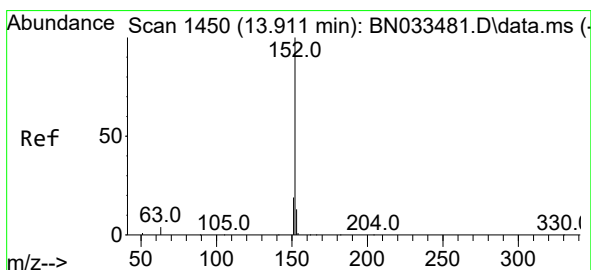
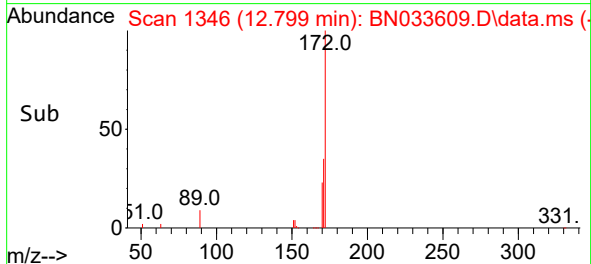
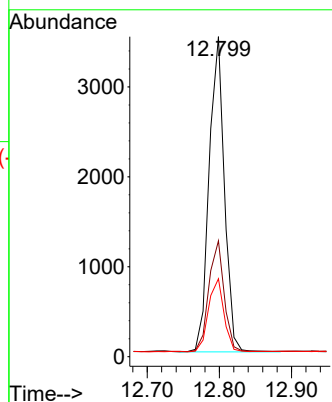
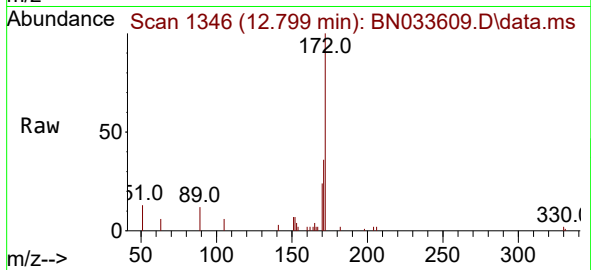
Tgt Ion:172 Resp: 5171

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 24.3 18.3 27.5



#16

Acenaphthylene

Concen: 0.132 ng

RT: 13.900 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

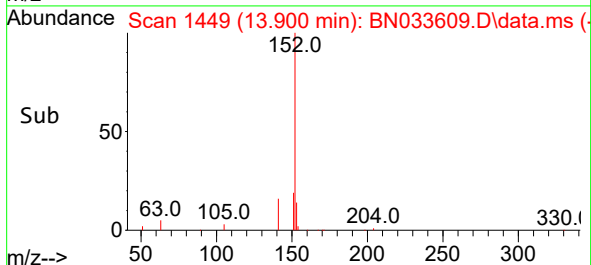
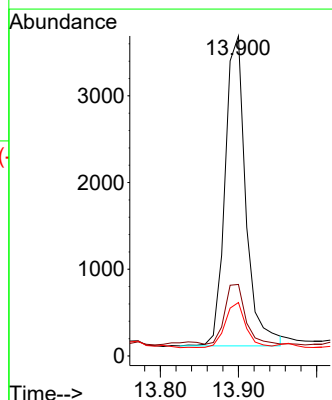
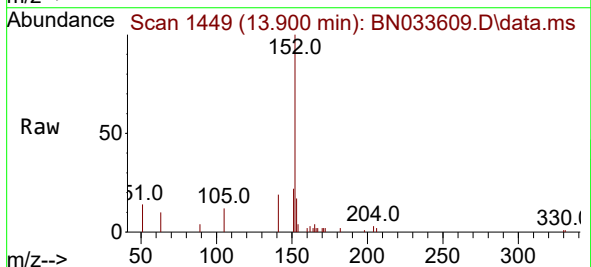
Tgt Ion:152 Resp: 6601

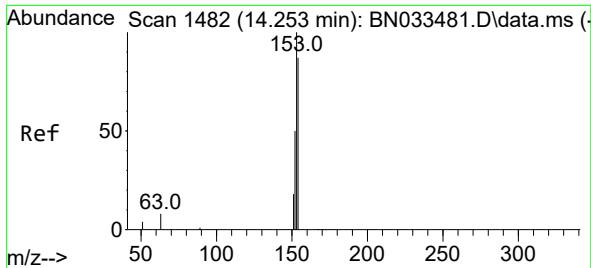
Ion Ratio Lower Upper

152 100

151 19.1 15.7 23.5

153 14.6 10.3 15.5

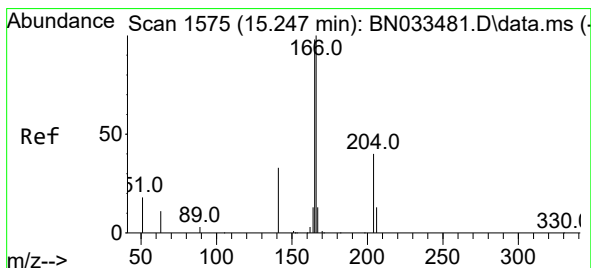
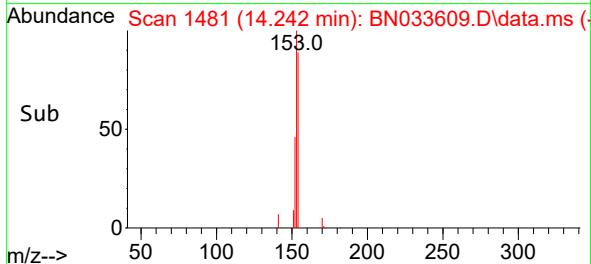
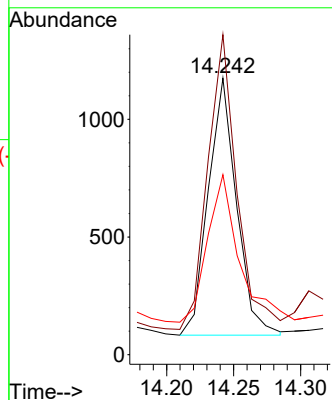
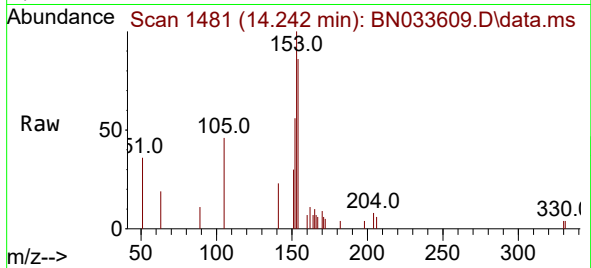




#17
Acenaphthene
Concen: 0.046 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

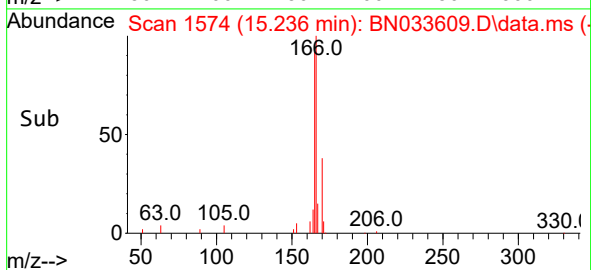
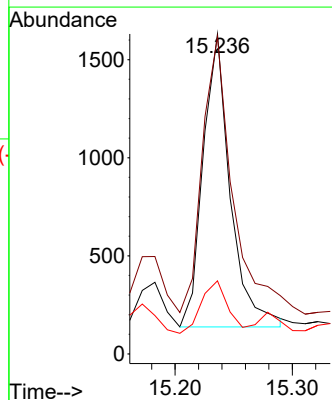
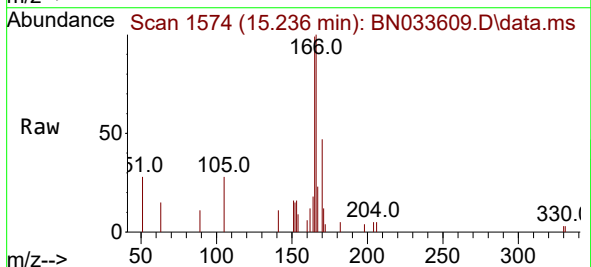
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

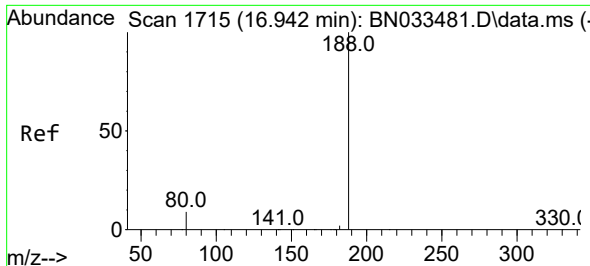
Tgt Ion:154 Resp: 1605
Ion Ratio Lower Upper
154 100
153 116.6 89.0 133.6
152 64.4 45.2 67.8



#18
Fluorene
Concen: 0.054 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:166 Resp: 2408
Ion Ratio Lower Upper
166 100
165 103.9 78.2 117.4
167 17.5 10.6 16.0#

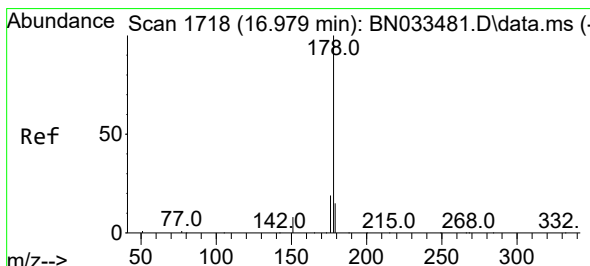
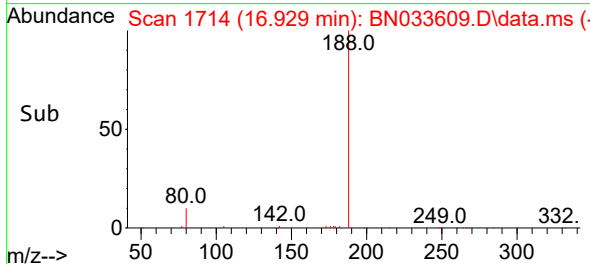
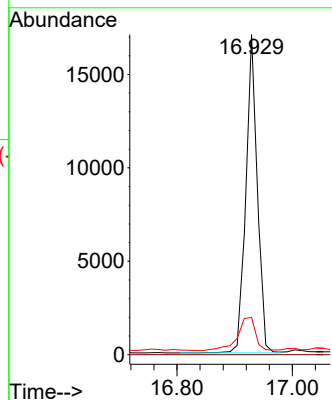
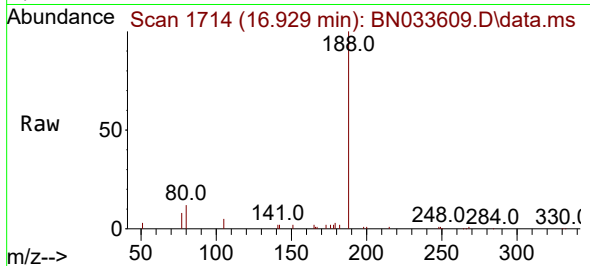




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

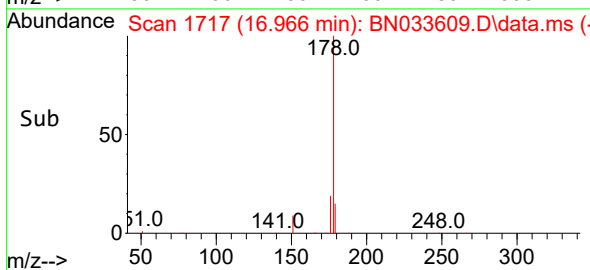
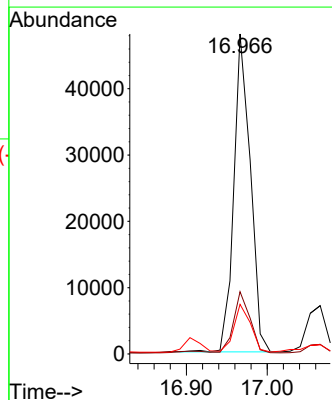
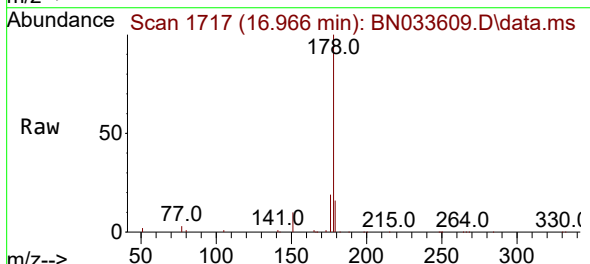
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

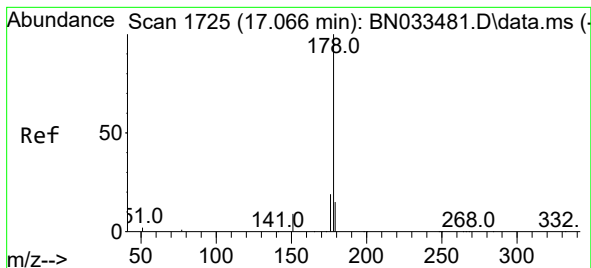
Tgt Ion:188 Resp: 23429
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 7.8 11.8



#25
Phenanthrene
Concen: 1.040 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:178 Resp: 67757
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 14.9 12.3 18.5





#26

Anthracene

Concen: 0.196 ng

RT: 17.066 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524DL

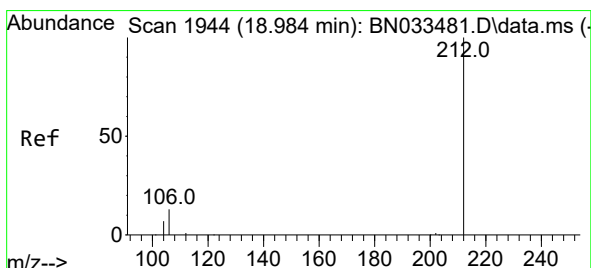
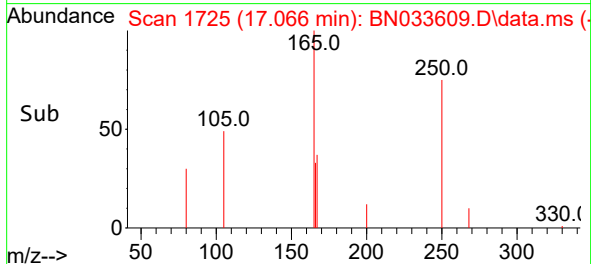
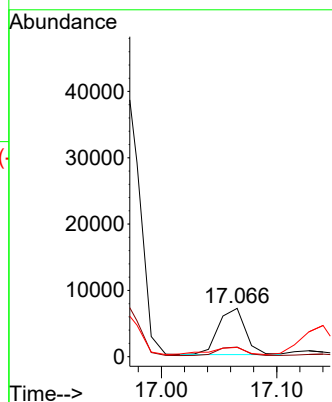
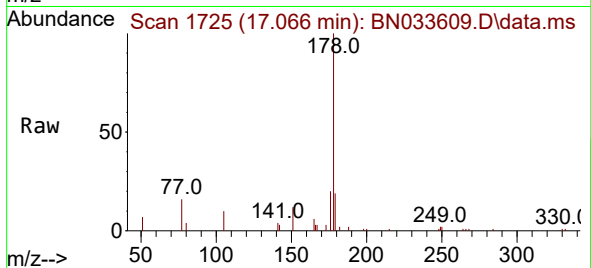
Tgt Ion:178 Resp: 11307

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 20.3 12.4 18.6#



#27

Fluoranthene-d10

Concen: 0.108 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

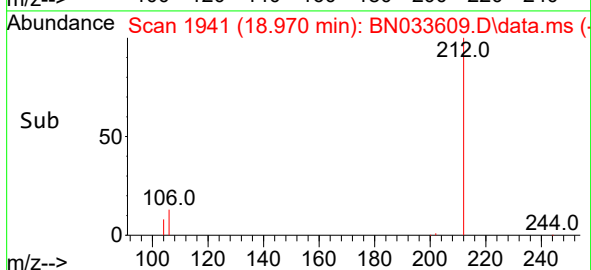
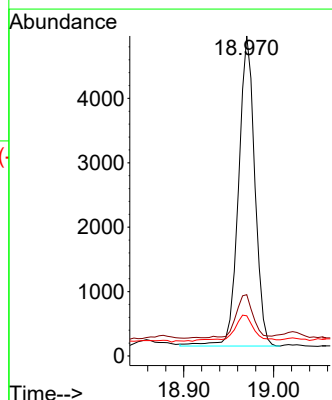
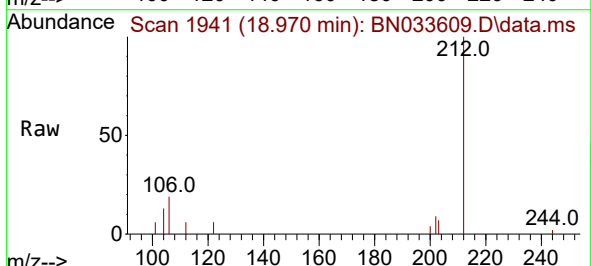
Tgt Ion:212 Resp: 6072

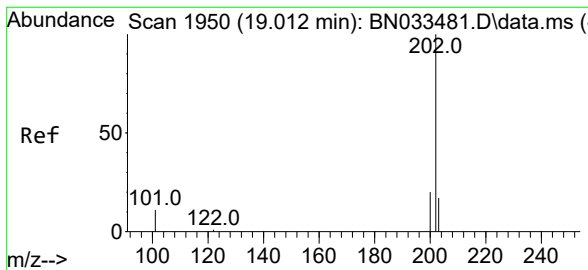
Ion Ratio Lower Upper

212 100

106 14.5 12.3 18.5

104 10.9 7.0 10.4#





#28

Fluoranthene

Concen: 2.705 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524DL

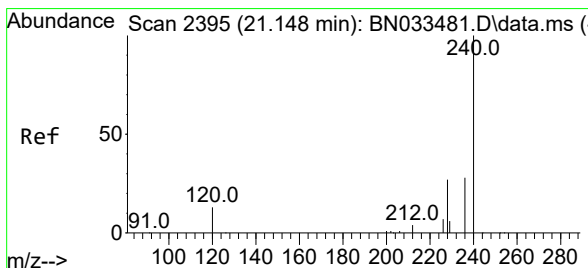
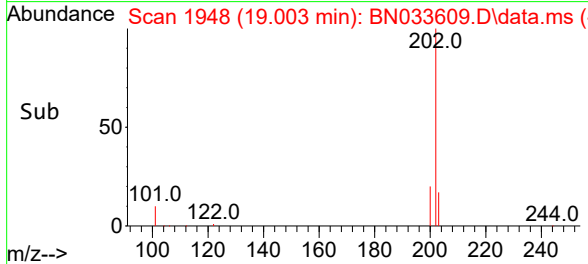
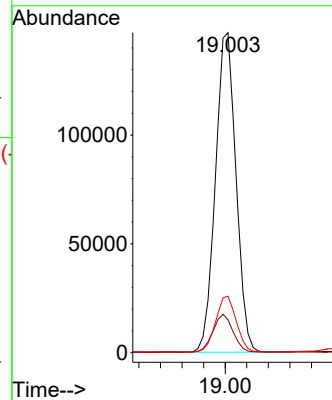
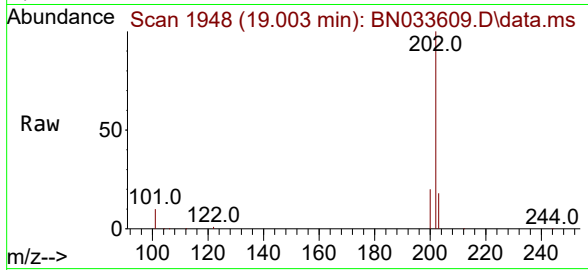
Tgt Ion:202 Resp: 194857

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. -0.000 min

Lab File: BN033609.D

Acq: 24 Aug 2024 03:32

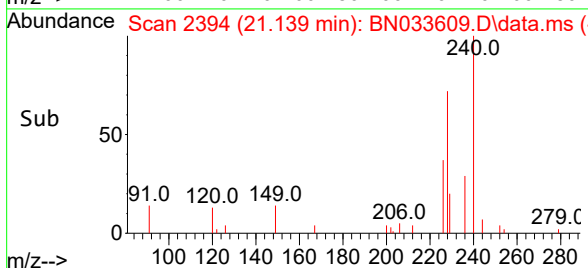
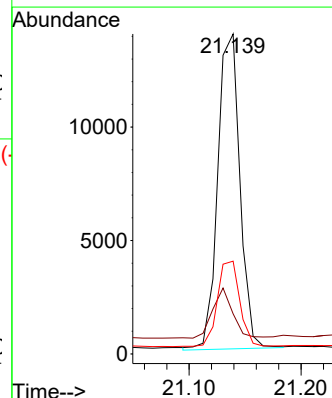
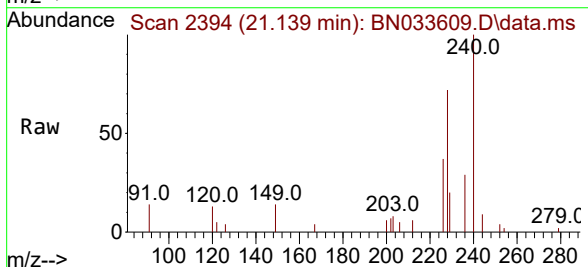
Tgt Ion:240 Resp: 19153

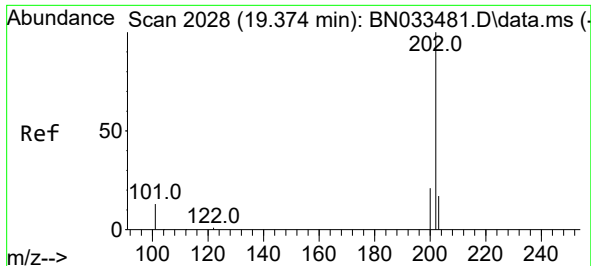
Ion Ratio Lower Upper

240 100

120 12.6 12.4 18.6

236 29.0 23.0 34.6

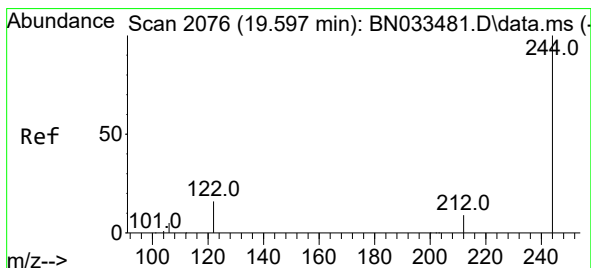
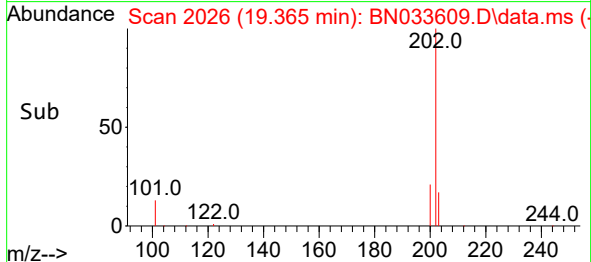
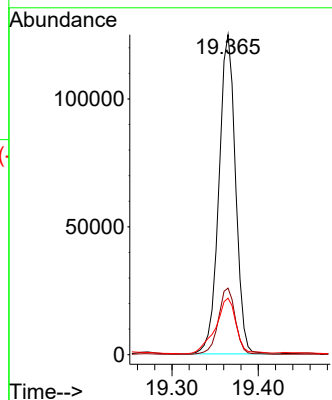
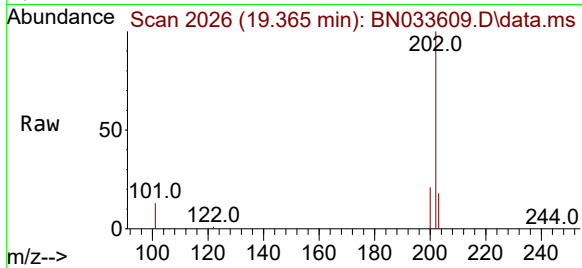




#30
 Pyrene
 Concen: 1.961 ng
 RT: 19.365 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BN033609.D
 Acq: 24 Aug 2024 03:32

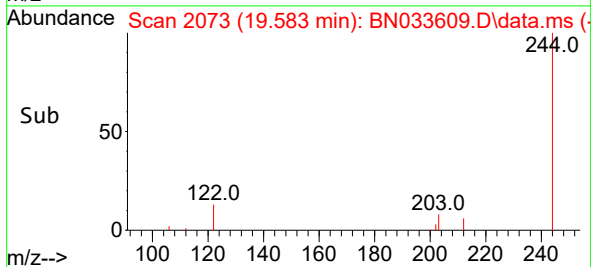
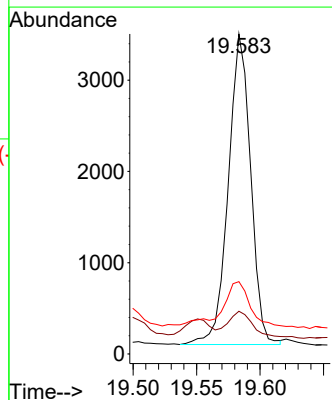
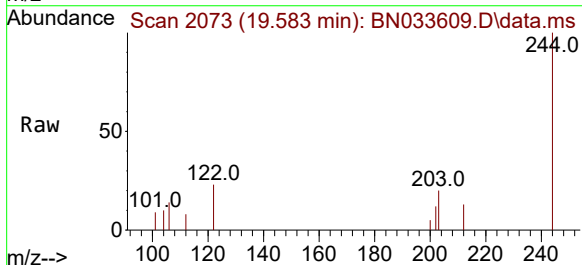
Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0.5-1.0-081524DL

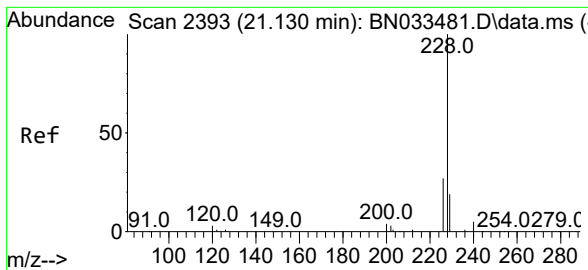
Tgt Ion:202 Resp: 167600
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 21.6 14.2 21.4#



#31
 Terphenyl-d14
 Concen: 0.096 ng
 RT: 19.583 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: BN033609.D
 Acq: 24 Aug 2024 03:32

Tgt Ion:244 Resp: 4166
 Ion Ratio Lower Upper
 244 100
 212 13.4 7.8 11.6#
 122 22.6 13.3 19.9#

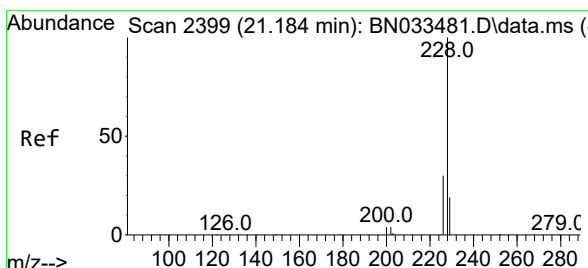
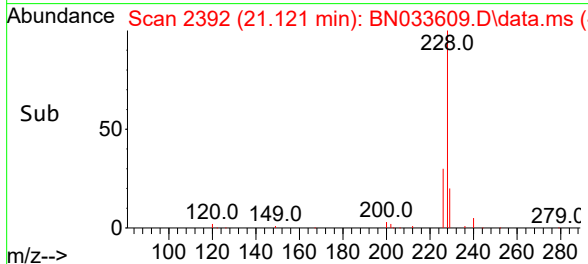
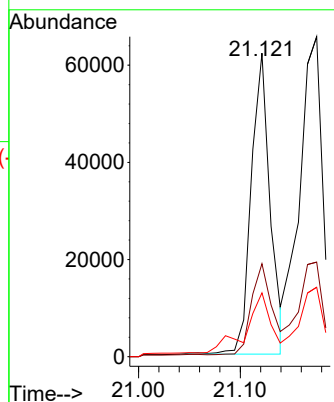
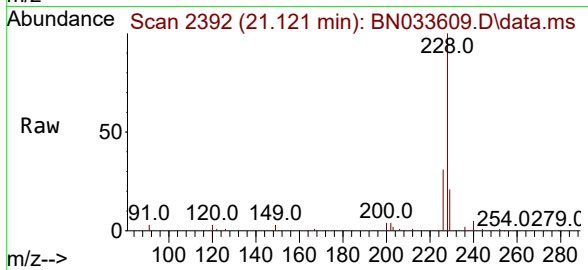




#32
Benzo(a)anthracene
Concen: 1.160 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

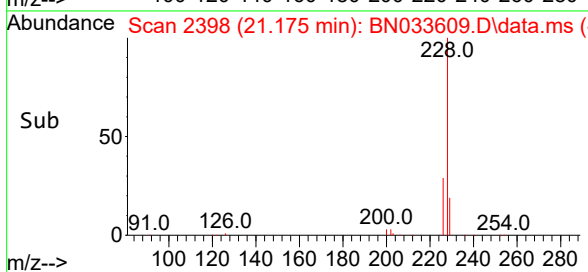
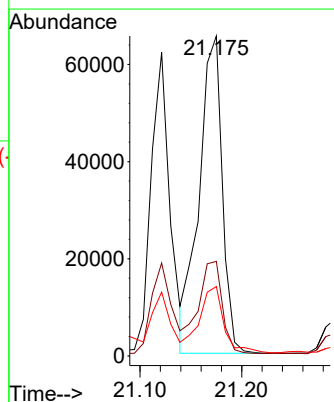
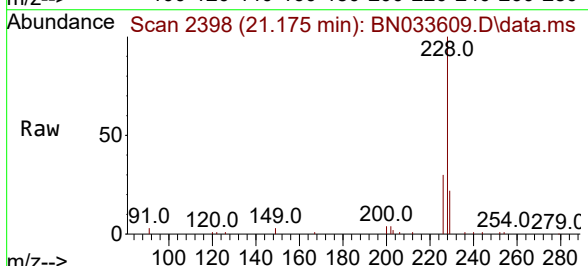
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

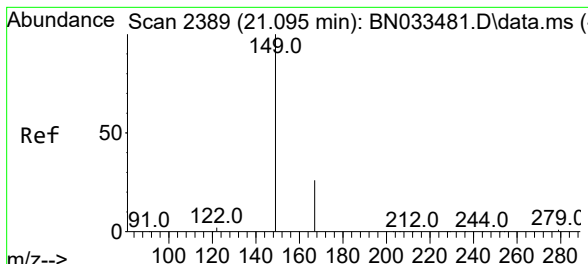
Tgt Ion:228 Resp: 80329
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.6
229 21.1 15.8 23.6



#33
Chrysene
Concen: 1.502 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:228 Resp: 103405
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.8
229 21.7 15.6 23.4

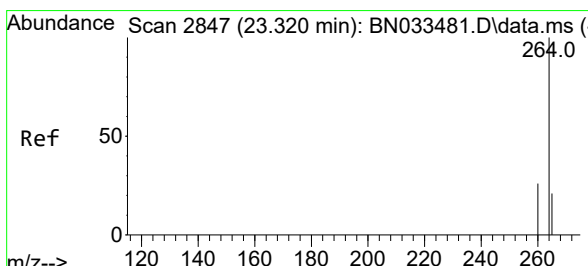
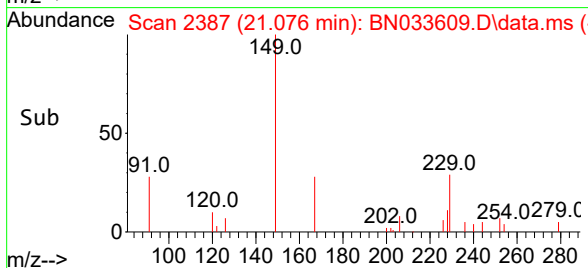
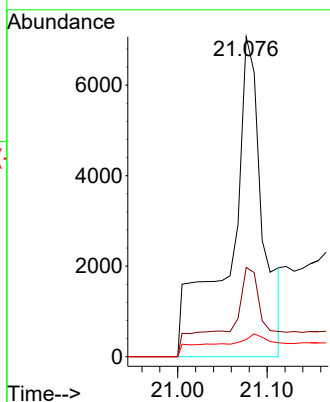
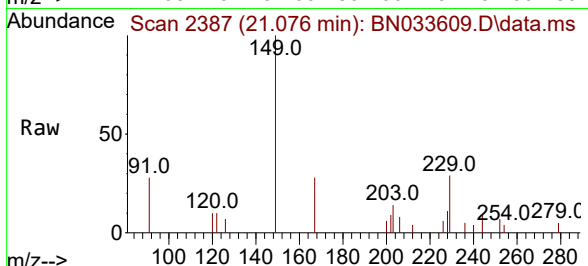




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.405 ng
 RT: 21.076 min Scan# 2107
 Delta R.T. -0.009 min
 Lab File: BN033609.D
 Acq: 24 Aug 2024 03:32

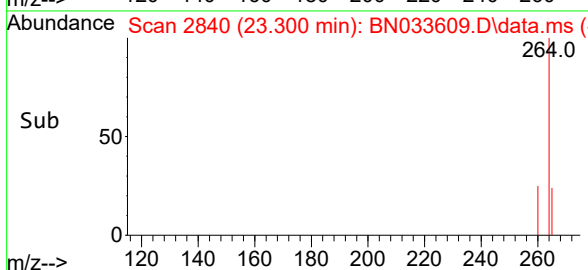
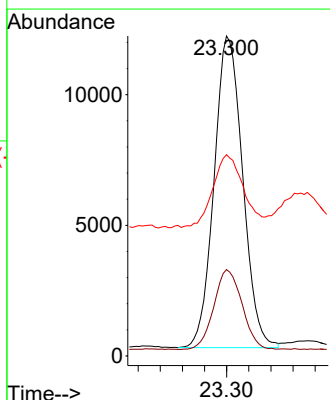
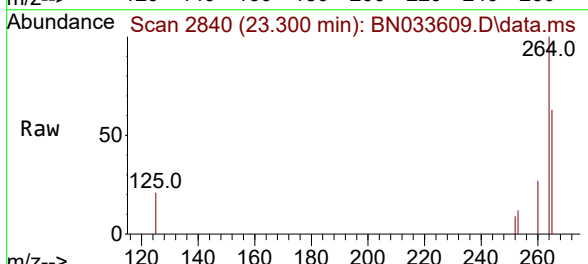
Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0.5-1.0-081524DL

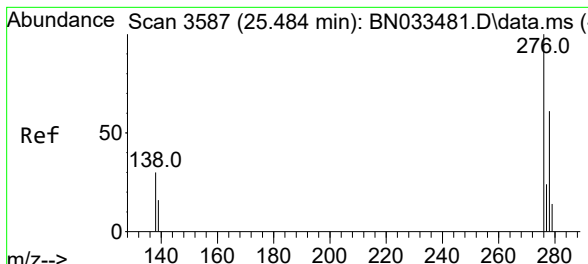
Tgt Ion:	149	Resp:	17767
Ion Ratio	Lower	Upper	
149	100		
167	35.3	21.5	32.3#
279	14.0	2.2	3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.300 min Scan# 2840
 Delta R.T. -0.003 min
 Lab File: BN033609.D
 Acq: 24 Aug 2024 03:32

Tgt Ion:	264	Resp:	21408
Ion Ratio	Lower	Upper	
264	100		
260	27.0	20.8	31.2
265	62.9	52.2	78.2

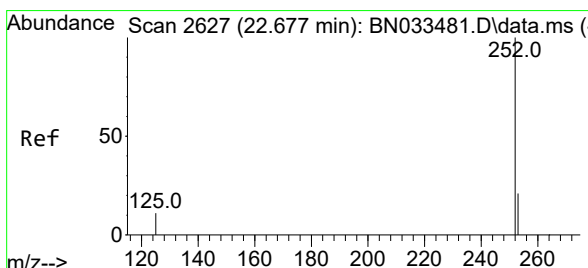
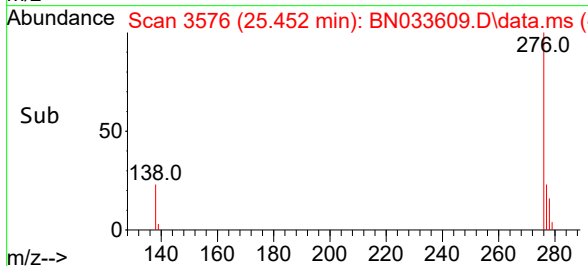
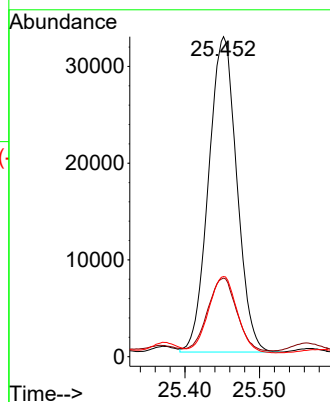
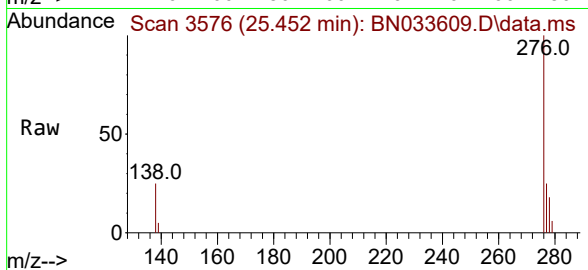




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.965 ng
RT: 25.452 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

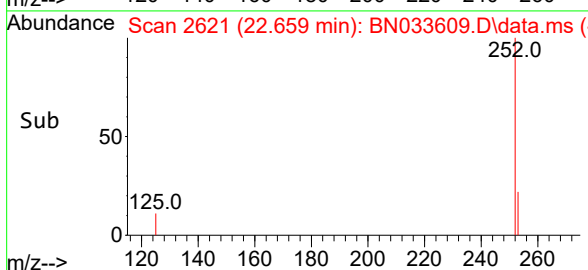
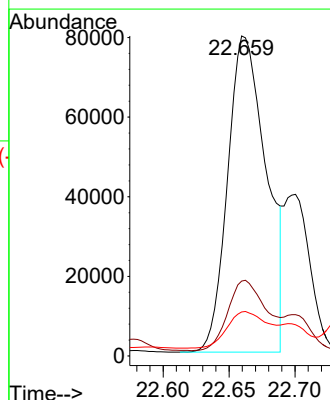
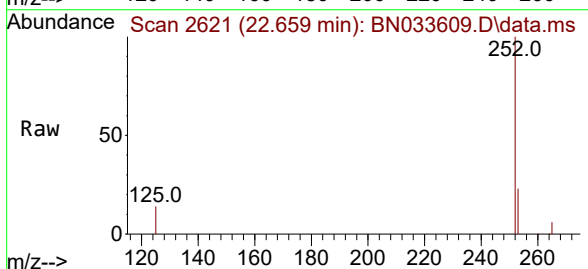
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

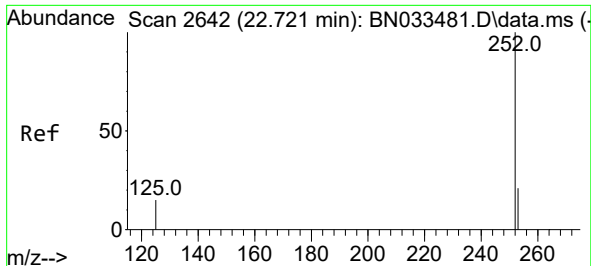
Tgt Ion:276 Resp: 85801
Ion Ratio Lower Upper
276 100
138 23.6 24.4 36.6#
277 24.5 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 2.028 ng
RT: 22.659 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

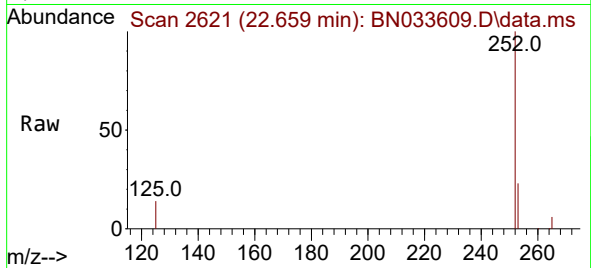
Tgt Ion:252 Resp: 162100
Ion Ratio Lower Upper
252 100
253 23.4 19.8 29.8
125 13.8 13.9 20.9#



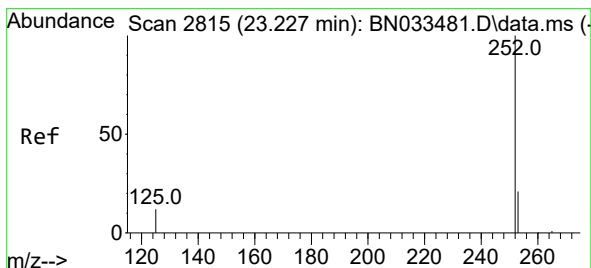
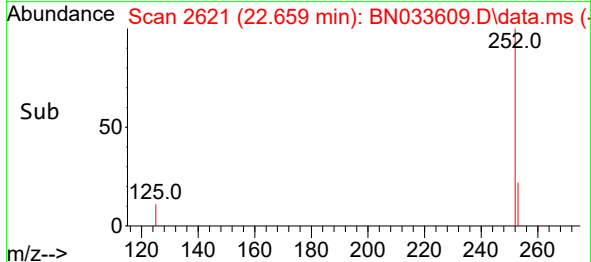
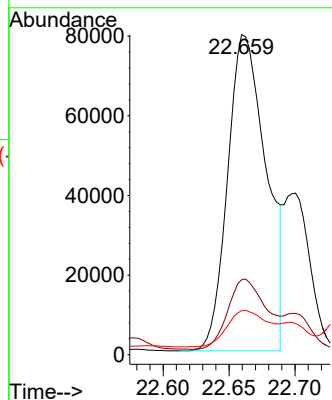


#38
Benzo(k)fluoranthene
Concen: 2.060 ng
RT: 22.659 min Scan# 21
Delta R.T. -0.044 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

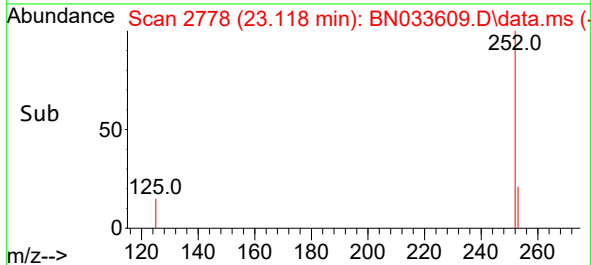
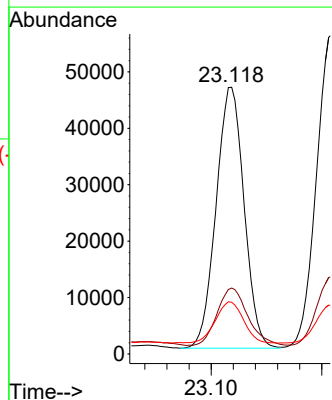
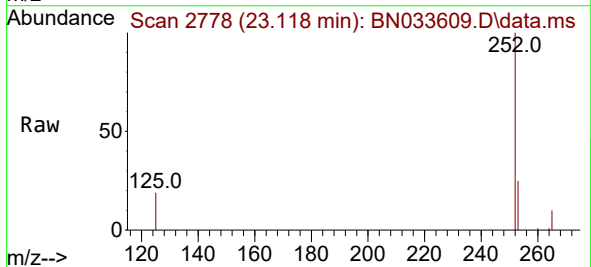


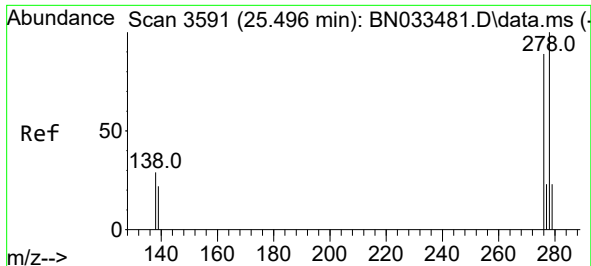
Tgt Ion:252 Resp: 162100
Ion Ratio Lower Upper
252 100
253 23.4 19.8 29.8
125 13.8 15.8 23.8#



#39
Benzo(a)pyrene
Concen: 1.229 ng
RT: 23.118 min Scan# 2778
Delta R.T. -0.091 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:252 Resp: 81273
Ion Ratio Lower Upper
252 100
253 24.7 21.5 32.3
125 19.4 17.0 25.4

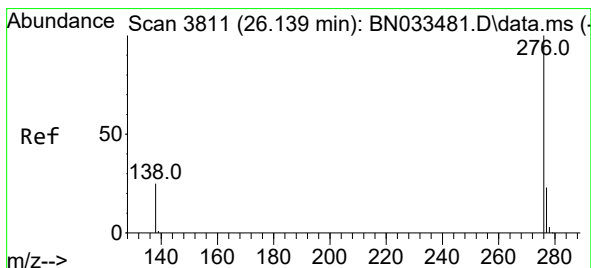
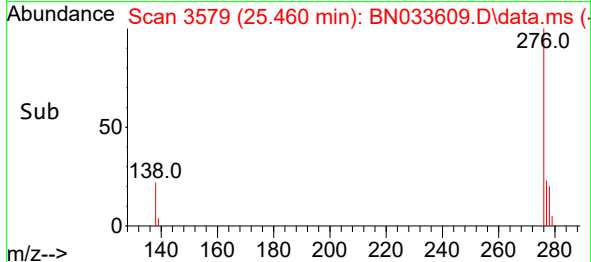
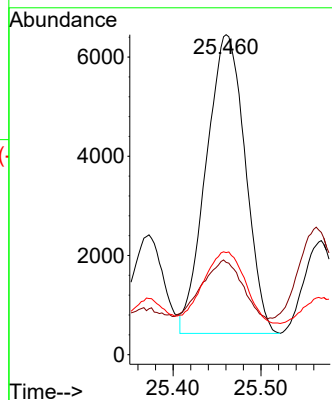
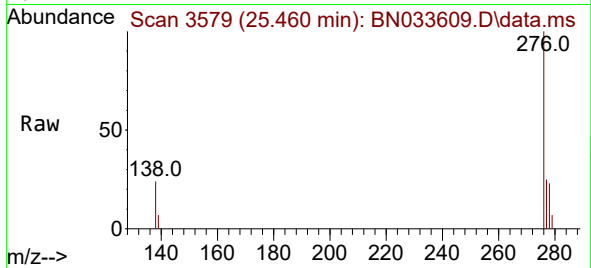




#40
Dibenzo(a,h)anthracene
Concen: 0.262 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524DL

Tgt Ion:278 Resp: 18592
Ion Ratio Lower Upper
278 100
139 28.8 19.1 28.7#
279 31.9 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 1.138 ng
RT: 26.106 min Scan# 3800
Delta R.T. 0.003 min
Lab File: BN033609.D
Acq: 24 Aug 2024 03:32

Tgt Ion:276 Resp: 86462
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 25.4 21.8 32.6

