

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033610.D
 Acq On : 24 Aug 2024 04:08
 Operator : MA/JU
 Sample : P3671-12DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924DL

Quant Time: Aug 24 04:40:54 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)

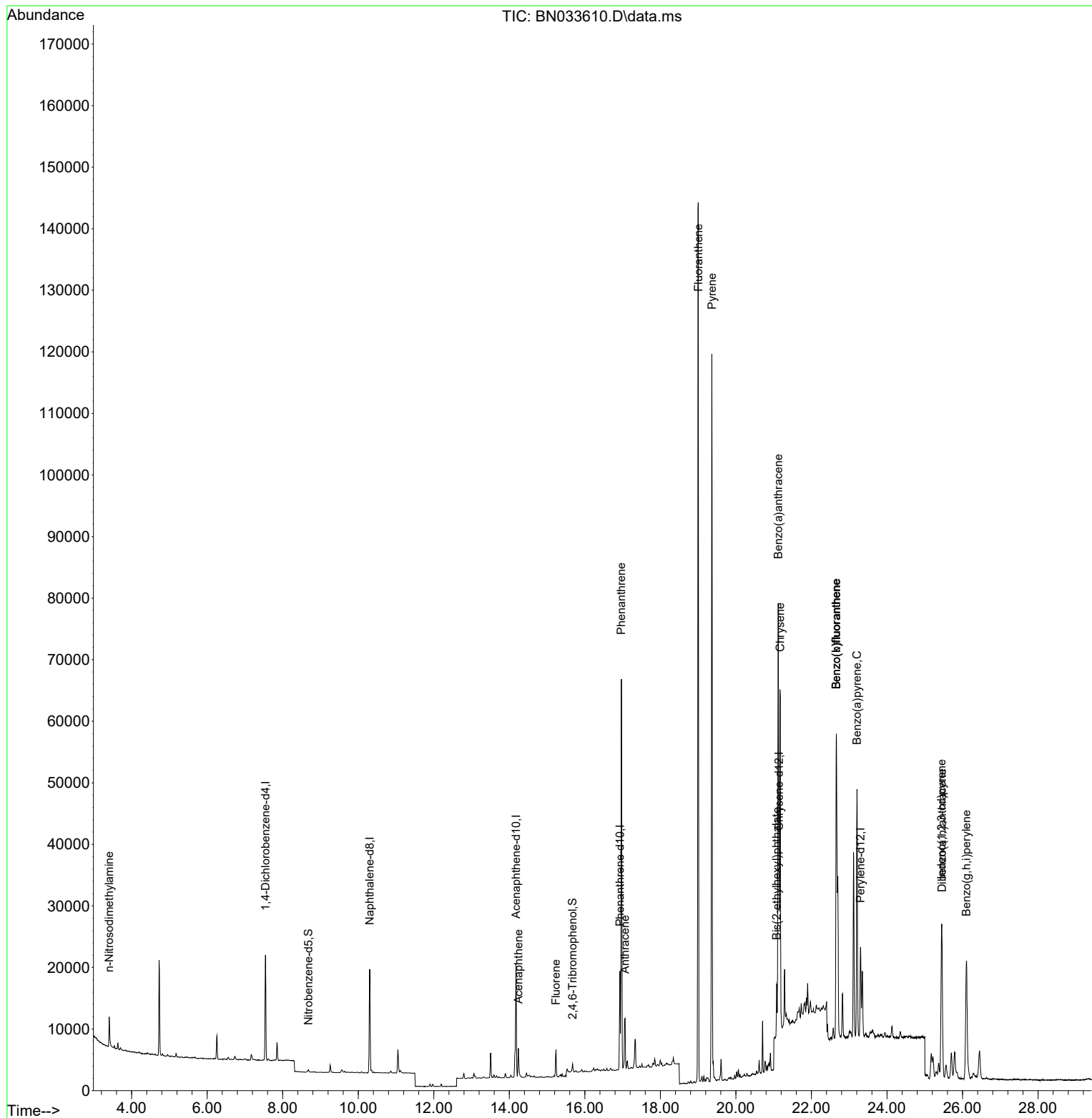
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7890	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20855	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10027	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19250	0.400	ng	0.00
29) Chrysene-d12	21.139	240	16100	0.400	ng	0.00
35) Perylene-d12	23.300	264	17643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	408	0.016	ng	0.00
5) Phenol-d6	6.736	99	488	0.016	ng	0.00
8) Nitrobenzene-d5	8.681	82	360	0.021	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	518	0.017	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	109	0.020	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	699	0.017	ng	0.00
27) Fluoranthene-d10	18.970	212	772	0.017	ng	0.00
31) Terphenyl-d14	19.583	244	559	0.015	ng	0.00
Target Compounds					Qvalue	
3) n-Nitrosodimethylamine	3.407	42	1050	0.099	ng	# 1
17) Acenaphthene	14.242	154	2253	0.073	ng	99
18) Fluorene	15.236	166	2782	0.071	ng	98
25) Phenanthrene	16.967	178	62320	1.164	ng	100
26) Anthracene	17.066	178	9763	0.206	ng	# 96
28) Fluoranthene	19.003	202	130414	2.204	ng	100
30) Pyrene	19.365	202	105544	1.469	ng	# 94
32) Benzo(a)anthracene	21.121	228	51691	0.888	ng	98
33) Chrysene	21.175	228	55758	0.964	ng	97
34) Bis(2-ethylhexyl)phtha...	21.077	149	17737	0.481	ng	# 76
36) Indeno(1,2,3-cd)pyrene	25.446	276	37727	0.515	ng	94
37) Benzo(b)fluoranthene	22.660	252	77954	1.183	ng	98
38) Benzo(k)fluoranthene	22.660	252	77954	1.202	ng	# 95
39) Benzo(a)pyrene	23.206	252	51390	0.943	ng	94
40) Dibenzo(a,h)anthracene	25.458	278	8785	0.150	ng	# 79
41) Benzo(g,h,i)perylene	26.104	276	36974	0.590	ng	99

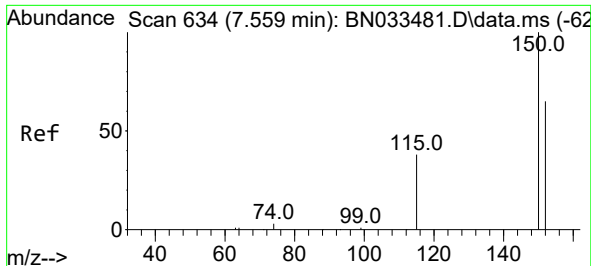
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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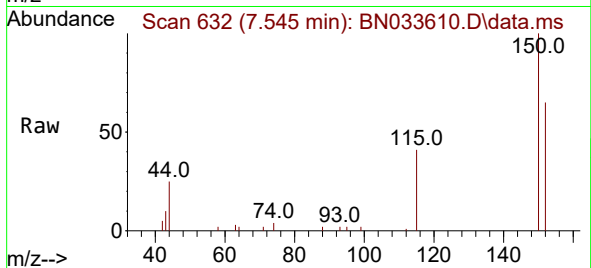
Quant Time: Aug 24 04:40:54 2024
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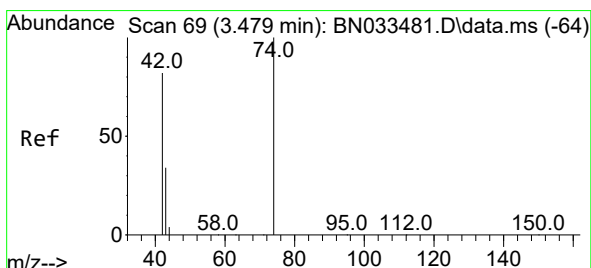
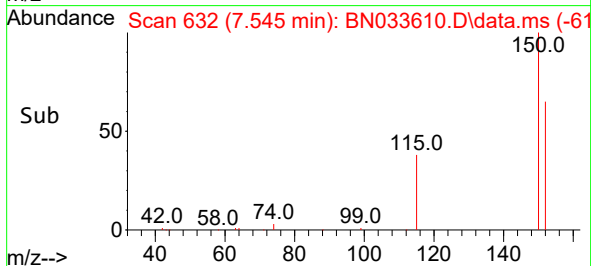
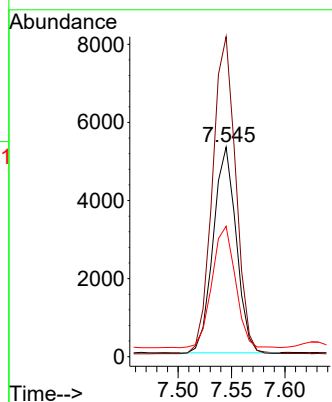


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Instrument :
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ClientSampleId :
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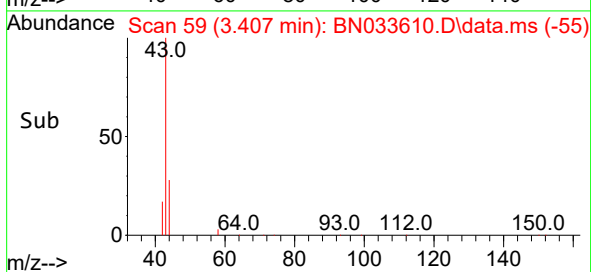
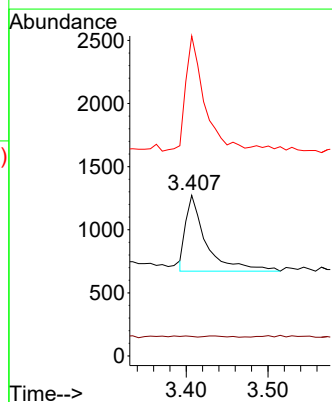
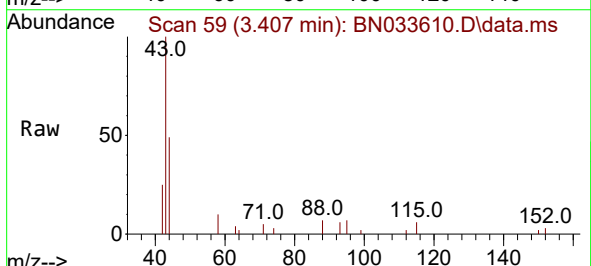


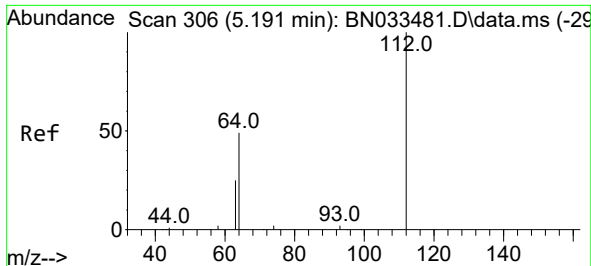
Tgt Ion:152 Resp: 7890
Ion Ratio Lower Upper
152 100
150 152.7 122.2 183.2
115 62.3 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.099 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion: 42 Resp: 1050
Ion Ratio Lower Upper
42 100
74 0.0 100.2 150.2#
44 123.9 5.3 7.9#

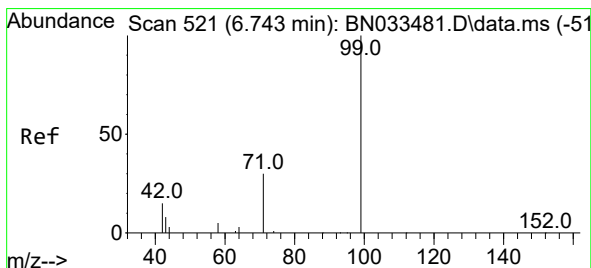
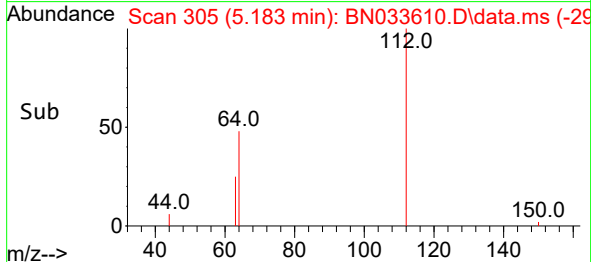
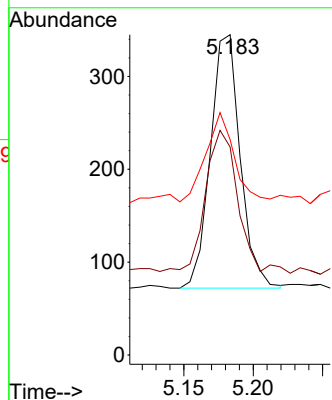
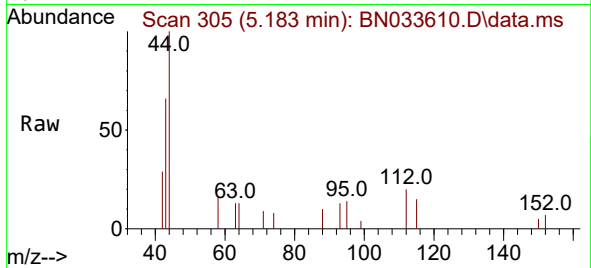




#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

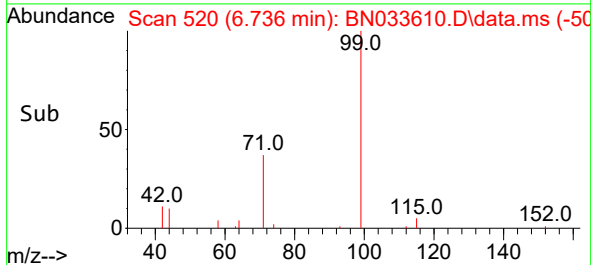
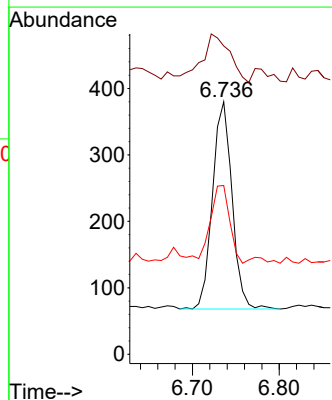
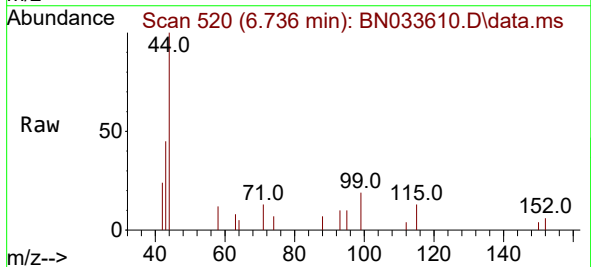
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

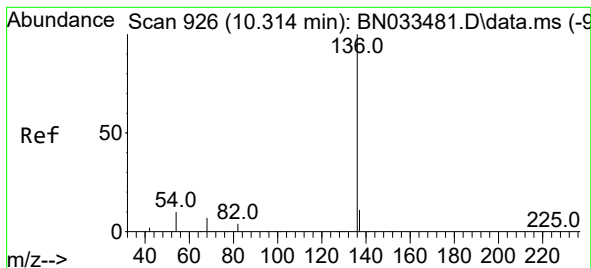
Tgt Ion:112 Resp: 408
Ion Ratio Lower Upper
112 100
64 61.8 47.1 70.7
63 32.8 24.9 37.3



#5
Phenol-d6
Concen: 0.016 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion: 99 Resp: 488
Ion Ratio Lower Upper
99 100
42 33.0 16.6 24.8#
71 37.9 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: BN033610.D

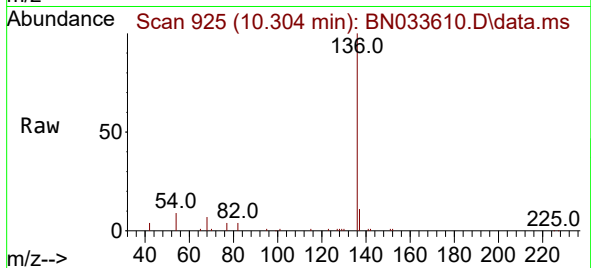
Acq: 24 Aug 2024 04:08

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924DL



Tgt Ion:136 Resp: 20855

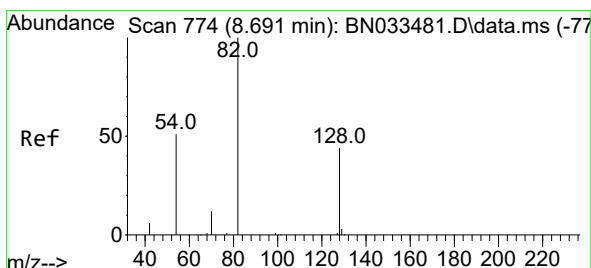
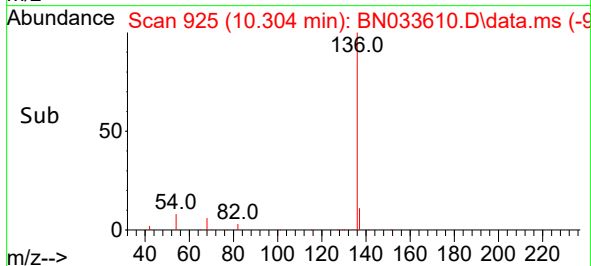
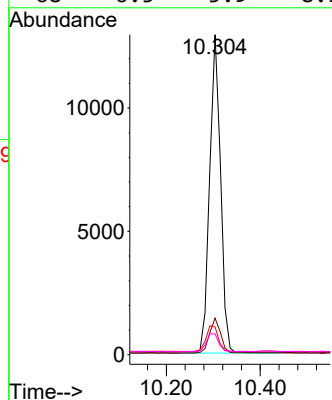
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.7 8.3 12.5

68 6.5 5.9 8.9



#8

Nitrobenzene-d5

Concen: 0.021 ng

RT: 8.681 min Scan# 773

Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

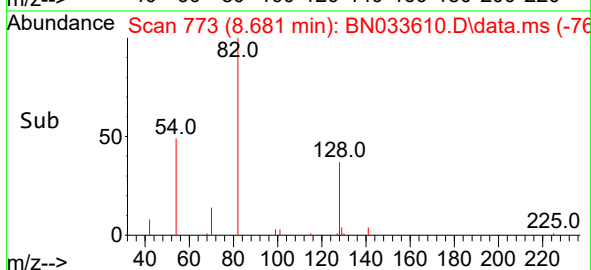
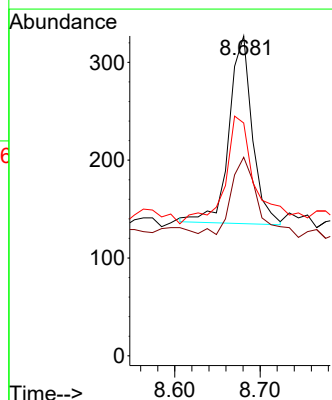
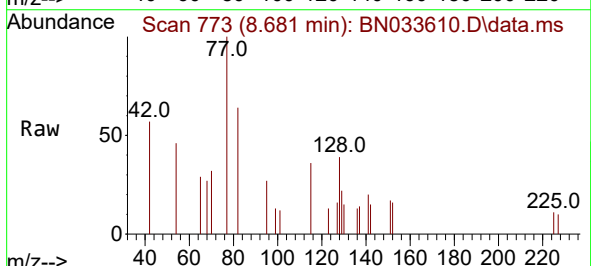
Tgt Ion: 82 Resp: 360

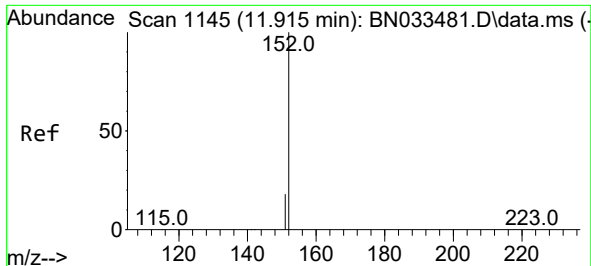
Ion Ratio Lower Upper

82 100

128 62.1 36.0 54.0#

54 72.8 42.0 63.0#

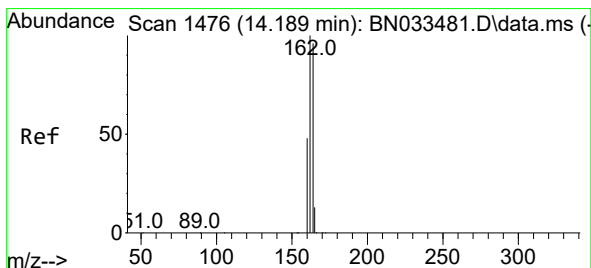
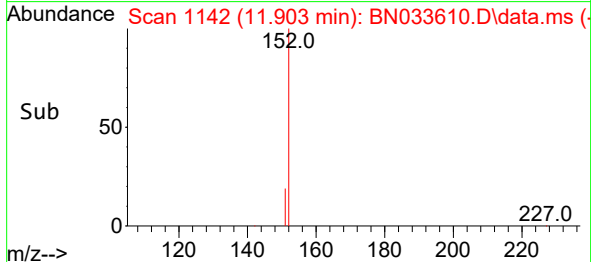
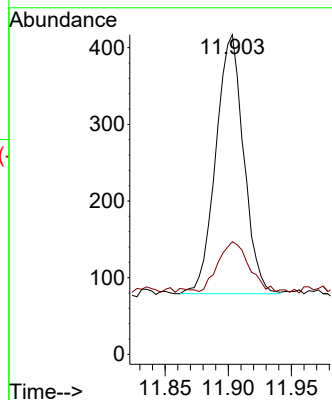
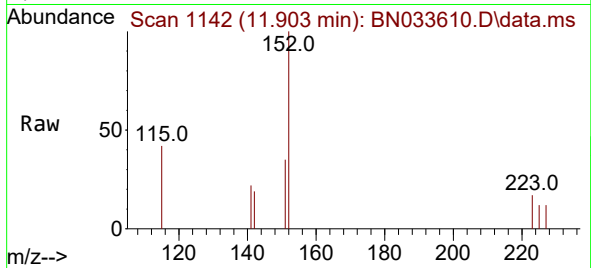




#11
2-Methylnaphthalene-d10
Concen: 0.017 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

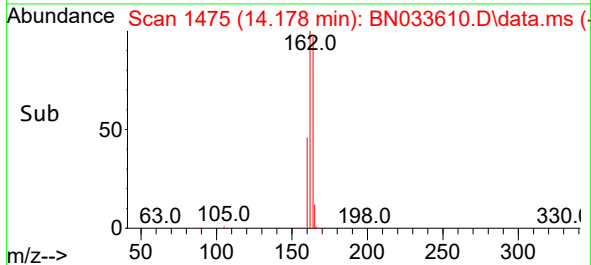
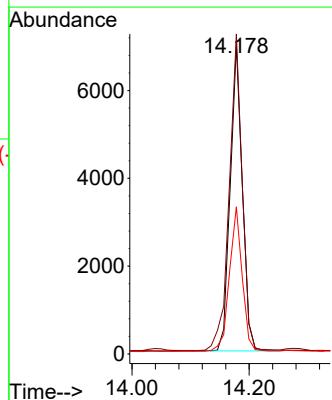
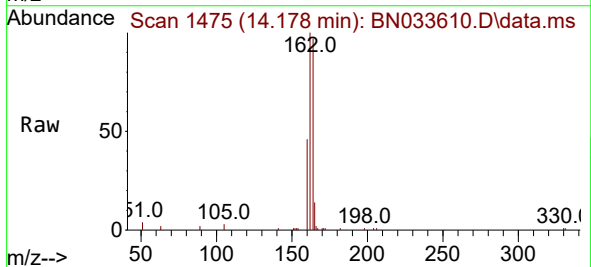
Instrument :
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ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

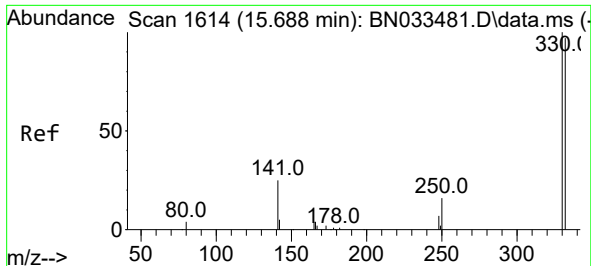
Tgt Ion:152 Resp: 518
Ion Ratio Lower Upper
152 100
151 21.8 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:164 Resp: 10027
Ion Ratio Lower Upper
164 100
162 103.5 83.5 125.3
160 47.6 40.2 60.4

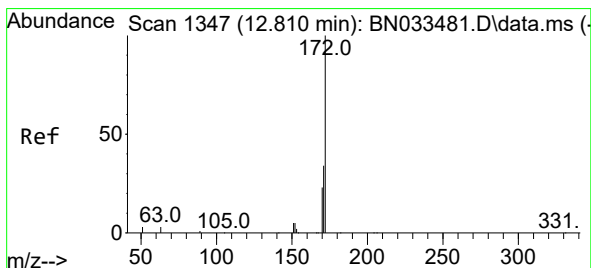
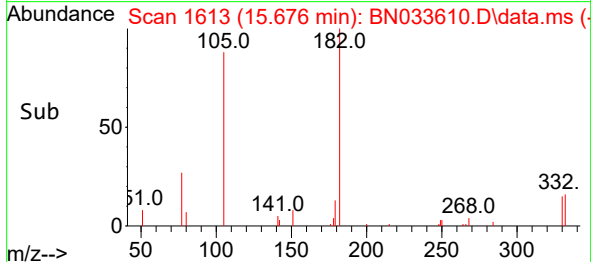
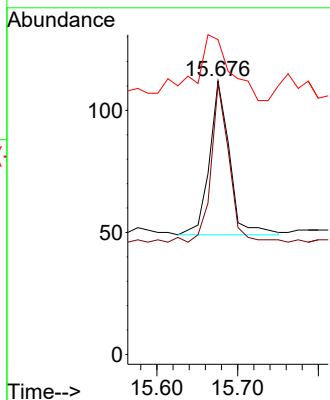
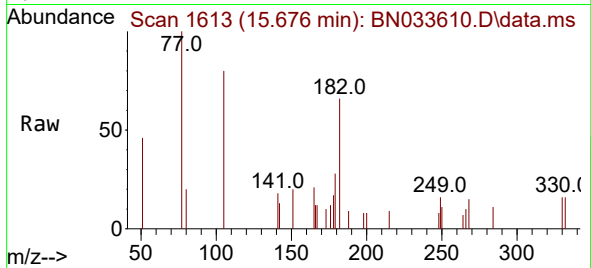




#14
2,4,6-Tribromophenol
Concen: 0.020 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

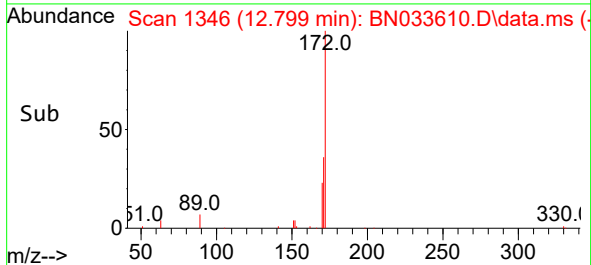
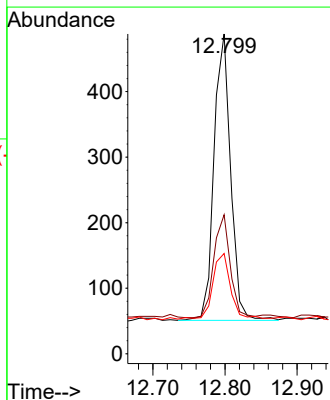
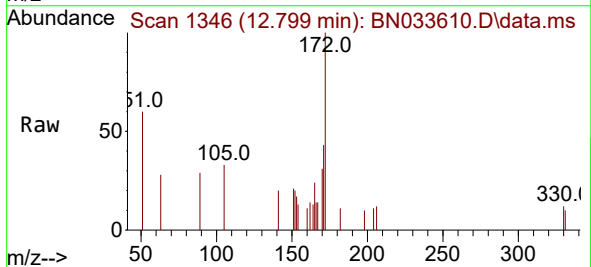
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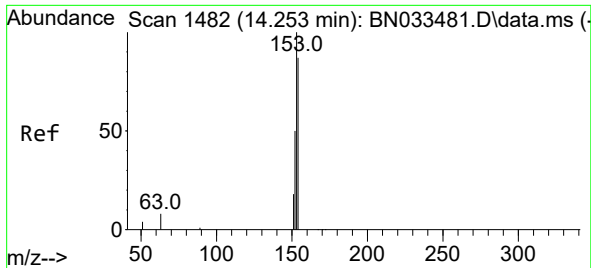
Tgt Ion:330 Resp: 109
Ion Ratio Lower Upper
330 100
332 92.7 77.5 116.3
141 77.1 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.017 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:172 Resp: 699
Ion Ratio Lower Upper
172 100
171 43.4 27.7 41.5#
170 31.4 18.3 27.5#

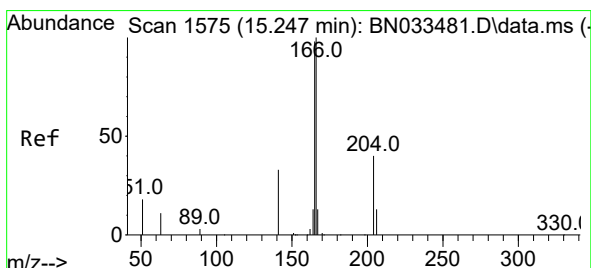
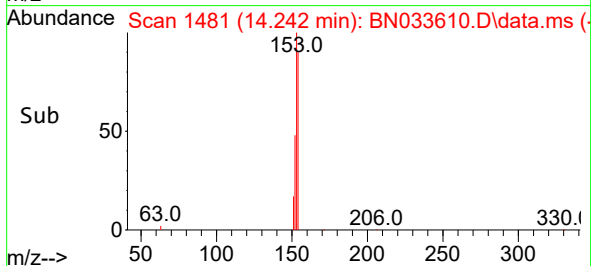
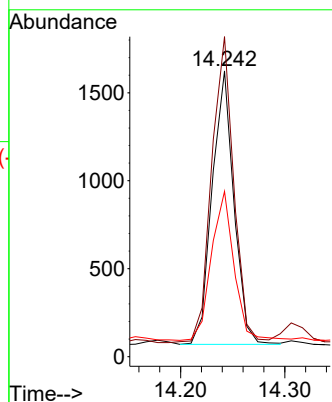
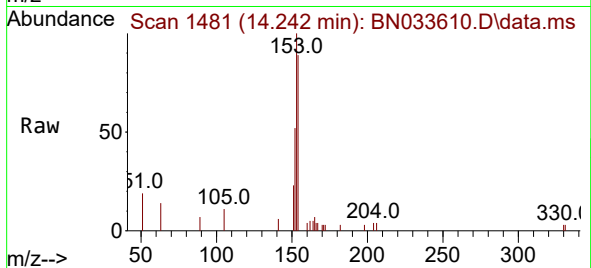




#17
Acenaphthene
Concen: 0.073 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

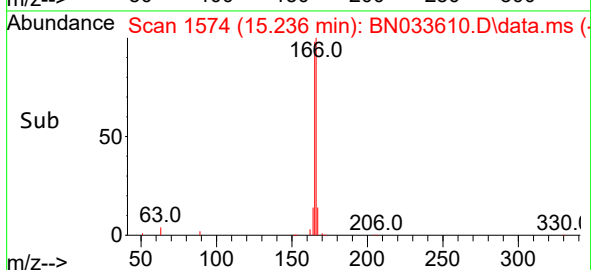
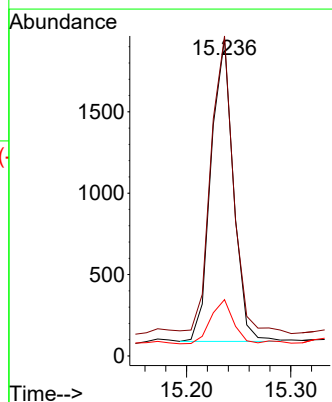
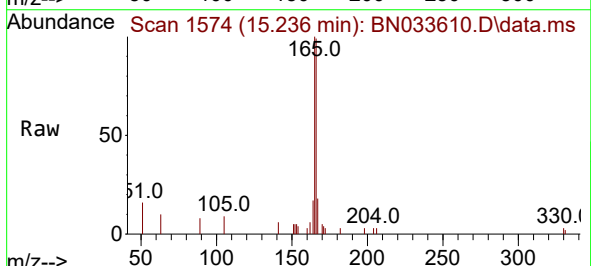
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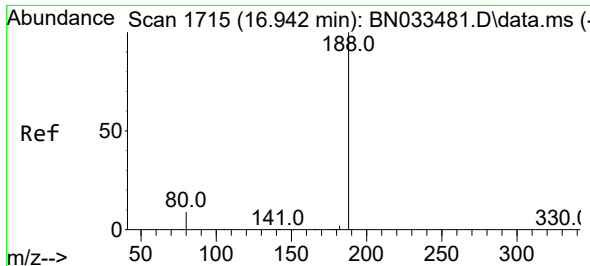
Tgt Ion:154 Resp: 2253
Ion Ratio Lower Upper
154 100
153 113.5 89.0 133.6
152 56.6 45.2 67.8



#18
Fluorene
Concen: 0.071 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:166 Resp: 2782
Ion Ratio Lower Upper
166 100
165 99.1 78.2 117.4
167 14.8 10.6 16.0

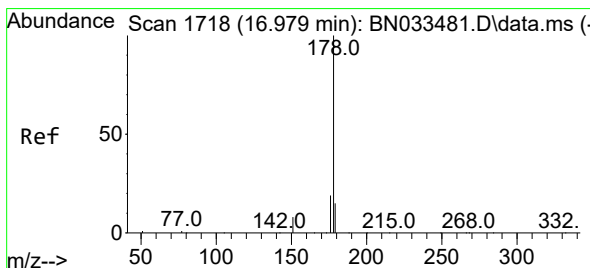
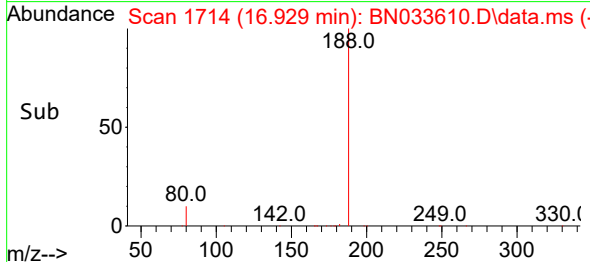
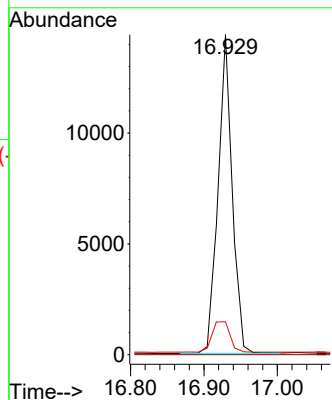
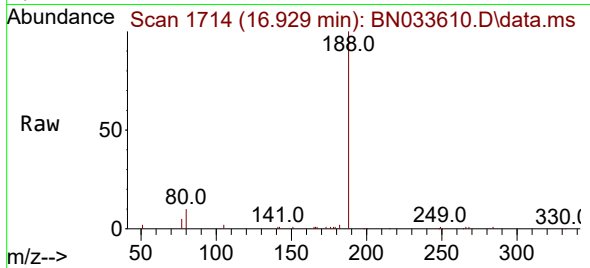




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

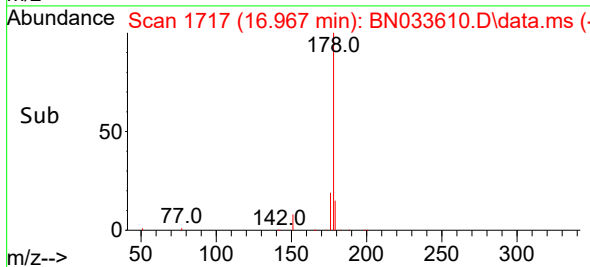
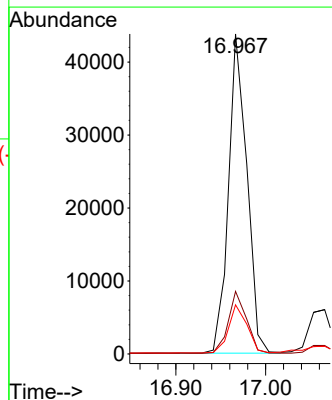
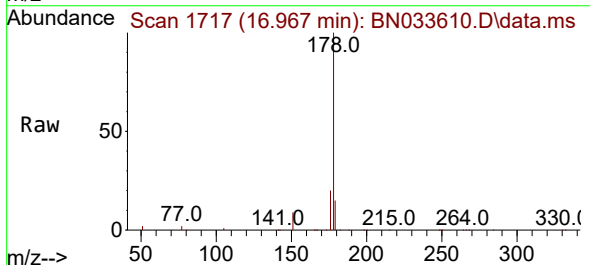
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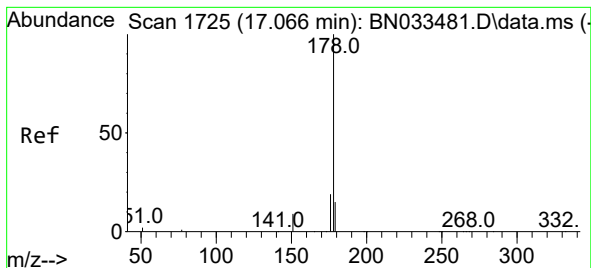
Tgt Ion:188 Resp: 19250
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.8 11.8



#25
Phenanthrene
Concen: 1.164 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:178 Resp: 62320
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 12.3 18.5





#26

Anthracene

Concen: 0.206 ng

RT: 17.066 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924DL

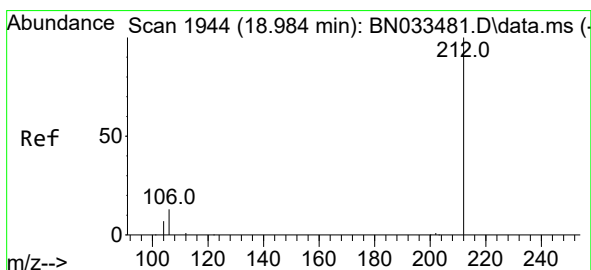
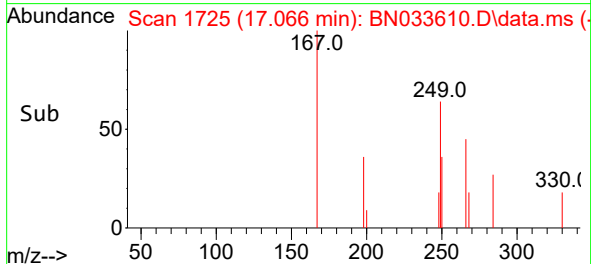
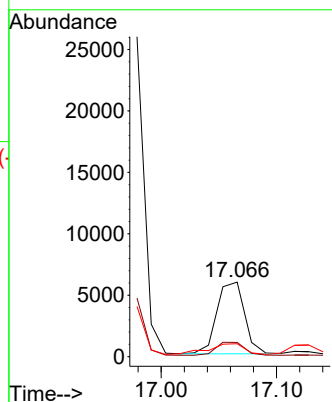
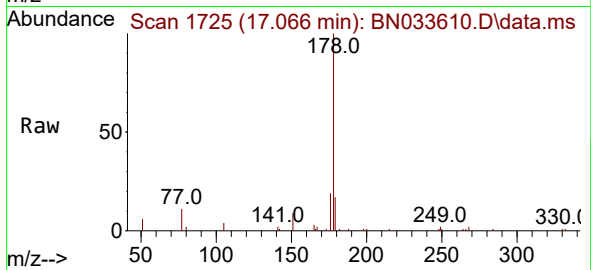
Tgt Ion:178 Resp: 9763

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

179 19.3 12.4 18.6#



#27

Fluoranthene-d10

Concen: 0.017 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

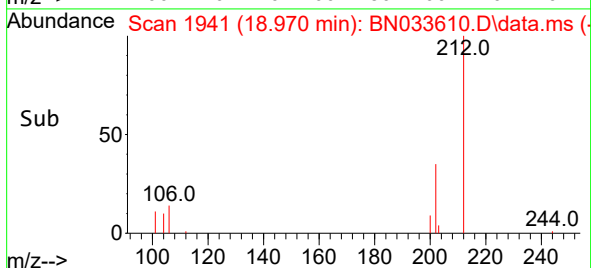
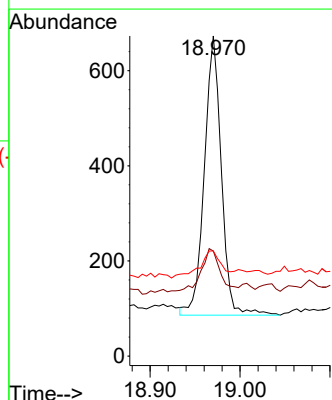
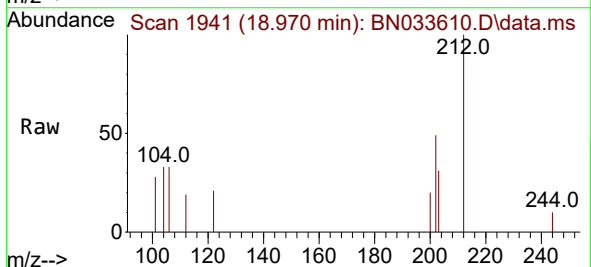
Tgt Ion:212 Resp: 772

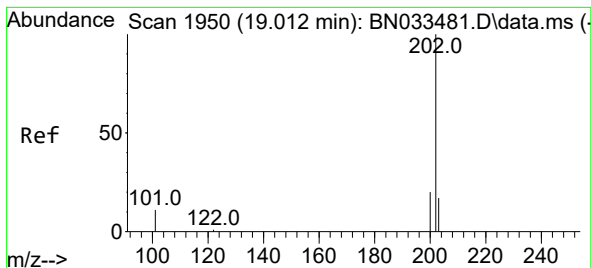
Ion Ratio Lower Upper

212 100

106 18.3 12.3 18.5

104 12.4 7.0 10.4#





#28

Fluoranthene

Concen: 2.204 ng

RT: 19.003 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BN033610.D

Acq: 24 Aug 2024 04:08

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924DL

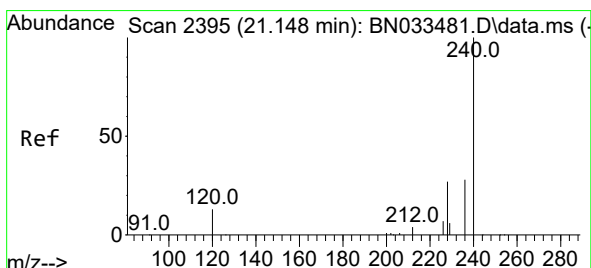
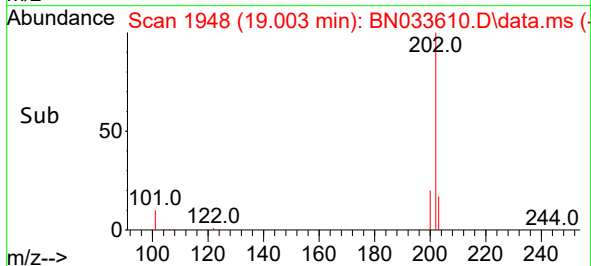
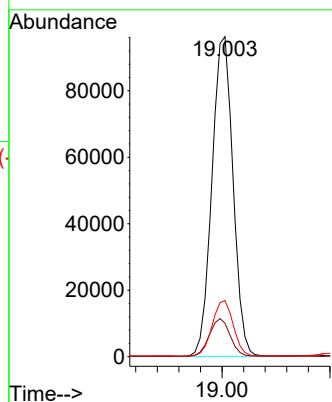
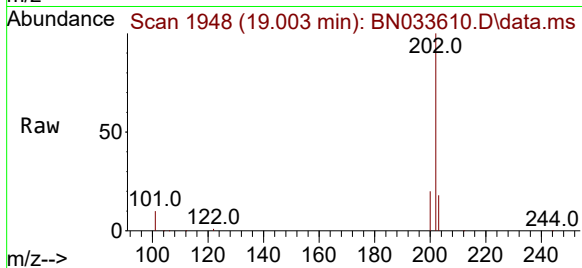
Tgt Ion:202 Resp: 130414

Ion Ratio Lower Upper

202 100

101 11.6 9.5 14.3

203 17.3 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: BN033610.D

Acq: 24 Aug 2024 04:08

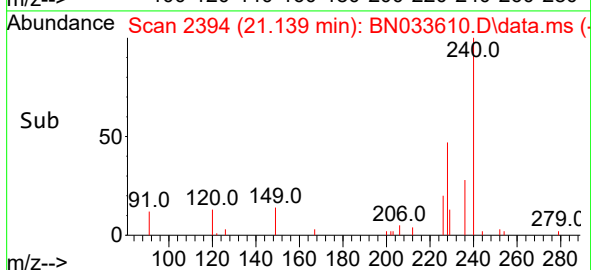
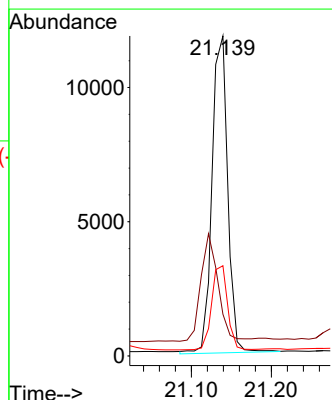
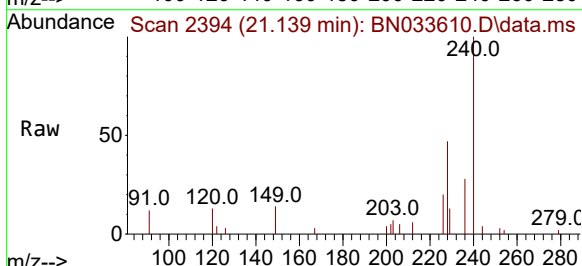
Tgt Ion:240 Resp: 16100

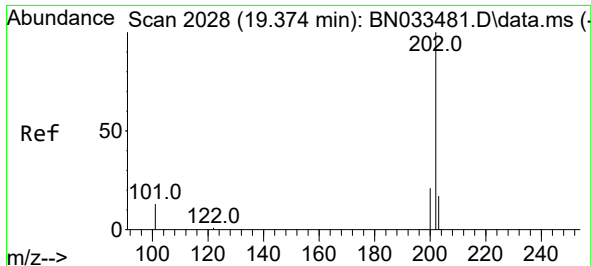
Ion Ratio Lower Upper

240 100

120 13.0 12.4 18.6

236 28.2 23.0 34.6

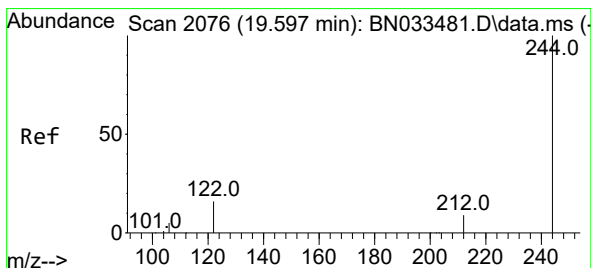
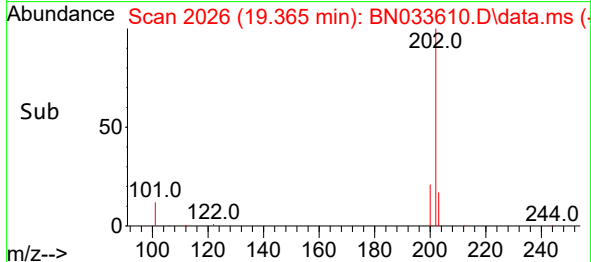
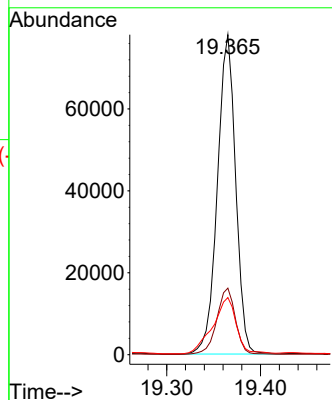
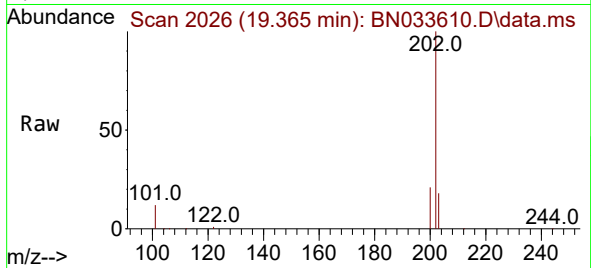




#30
 Pyrene
 Concen: 1.469 ng
 RT: 19.365 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BN033610.D
 Acq: 24 Aug 2024 04:08

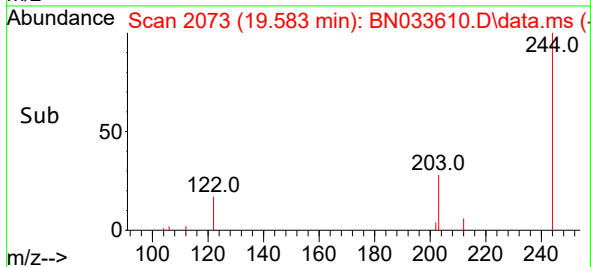
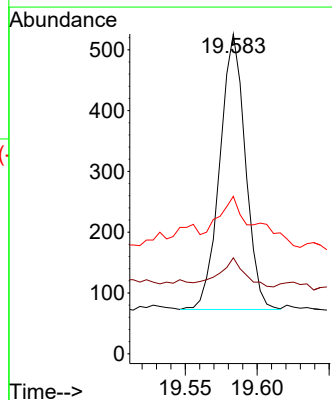
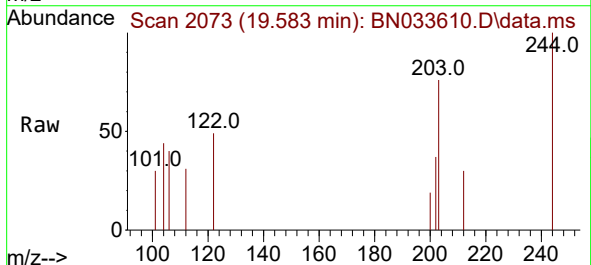
Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924DL

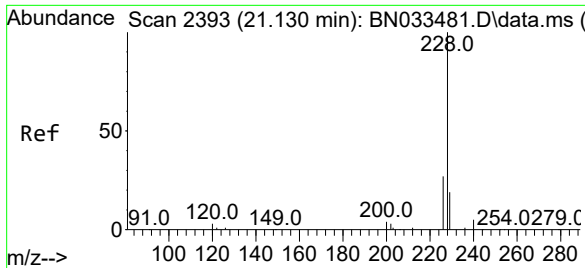
Tgt Ion:202 Resp: 105544
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 24.8
 203 22.6 14.2 21.4#



#31
 Terphenyl-d14
 Concen: 0.015 ng
 RT: 19.583 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: BN033610.D
 Acq: 24 Aug 2024 04:08

Tgt Ion:244 Resp: 559
 Ion Ratio Lower Upper
 244 100
 212 30.0 7.8 11.6#
 122 49.2 13.3 19.9#

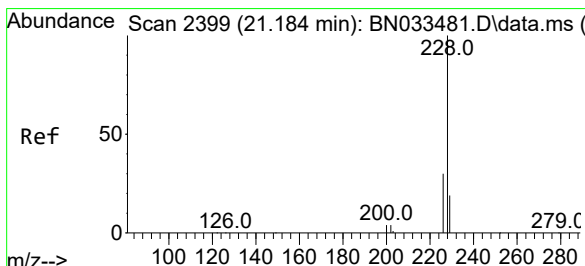
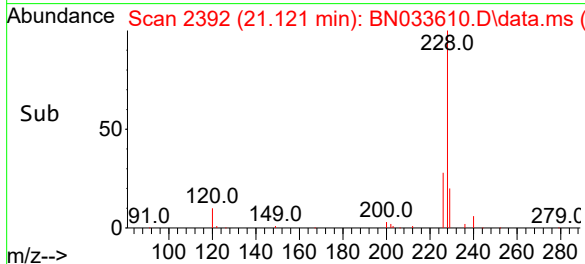
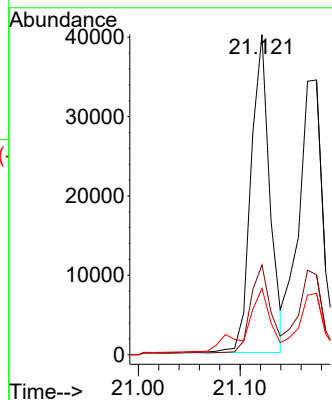
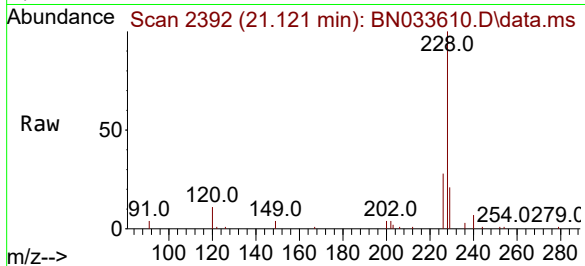




#32
Benzo(a)anthracene
Concen: 0.888 ng
RT: 21.121 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

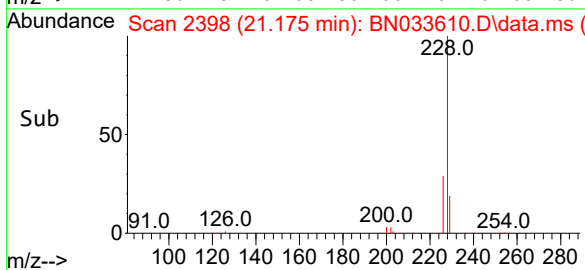
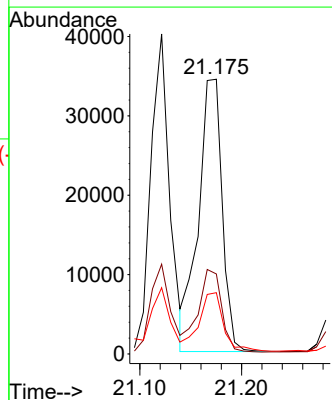
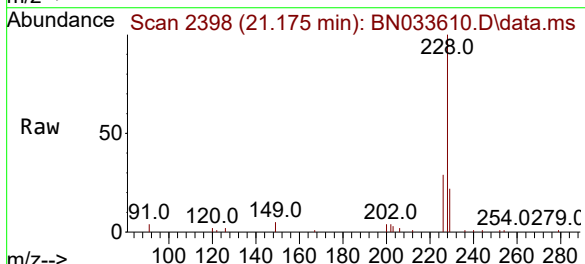
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

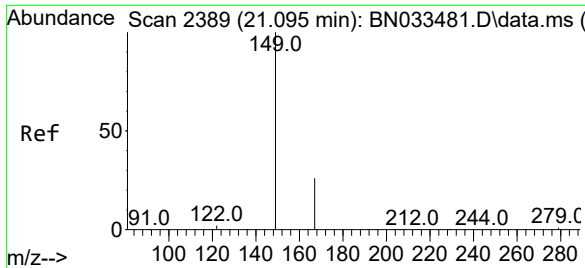
Tgt Ion:228 Resp: 51691
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.6
229 20.7 15.8 23.6



#33
Chrysene
Concen: 0.964 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:228 Resp: 55758
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.8
229 22.3 15.6 23.4

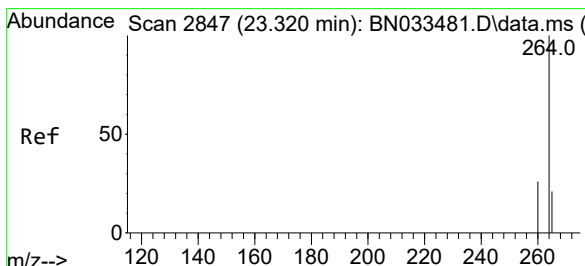
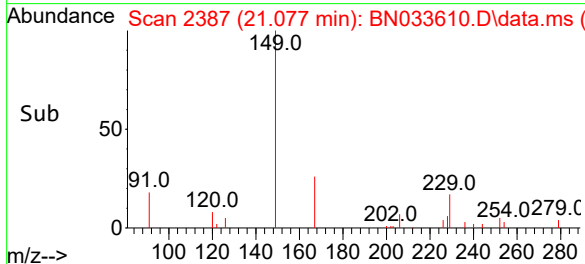
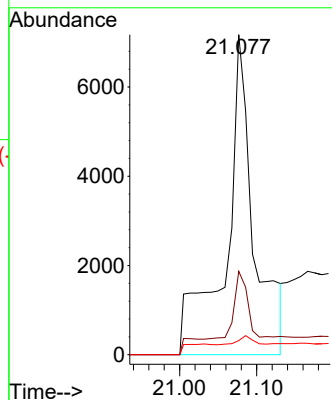
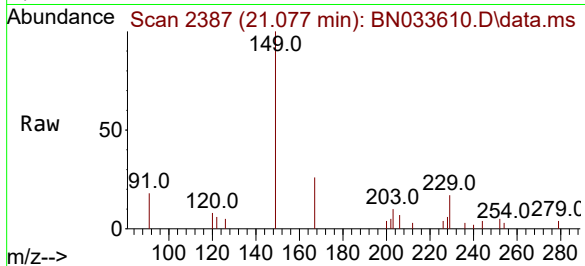




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.481 ng
RT: 21.077 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

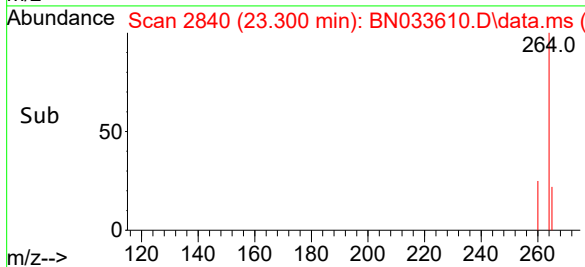
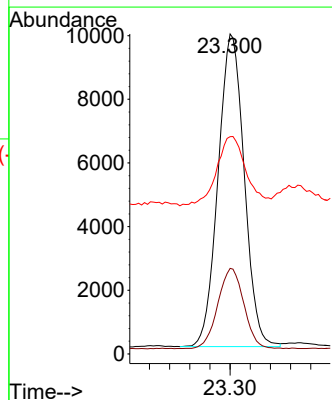
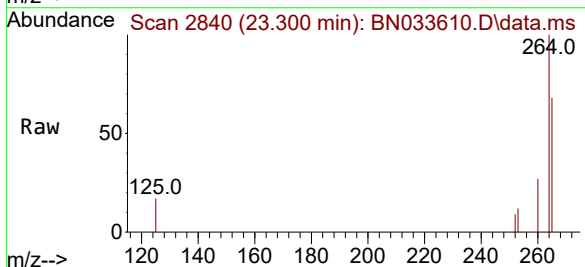
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

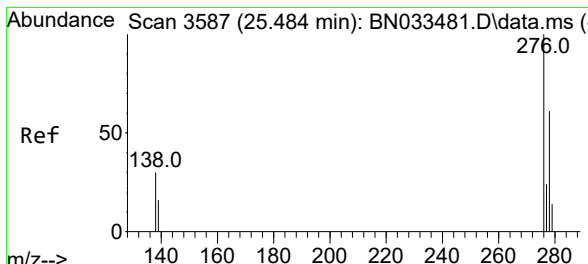
Tgt Ion:149 Resp: 17737
Ion Ratio Lower Upper
149 100
167 13.1 21.5 32.3#
279 2.1 2.2 3.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:264 Resp: 17643
Ion Ratio Lower Upper
264 100
260 26.8 20.8 31.2
265 67.9 52.2 78.2

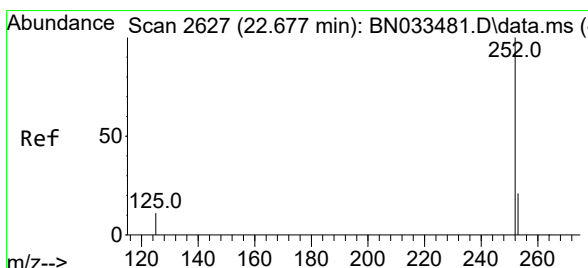
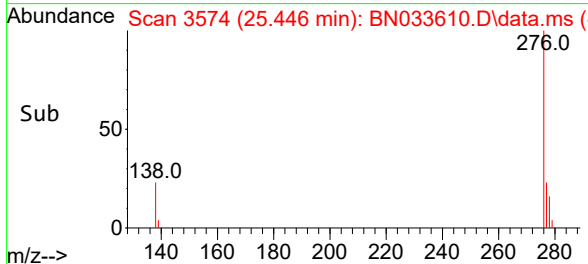
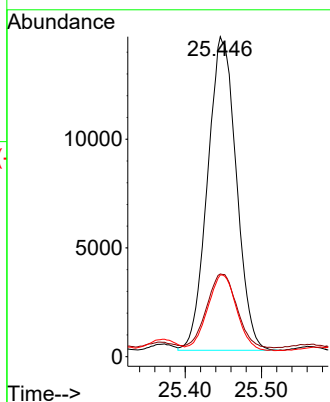
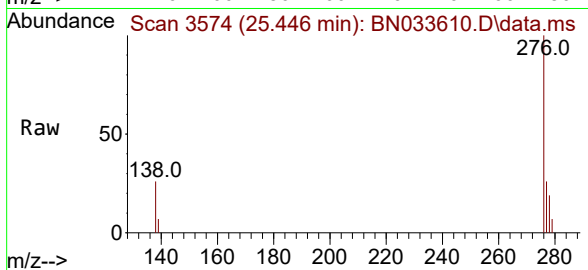




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.515 ng
 RT: 25.446 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BN033610.D
 Acq: 24 Aug 2024 04:08

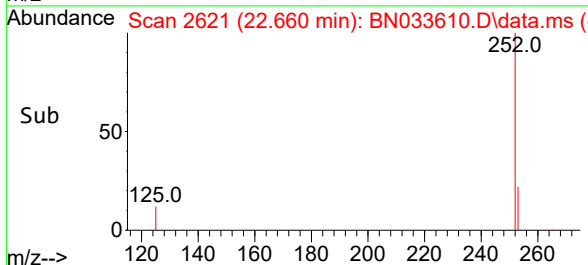
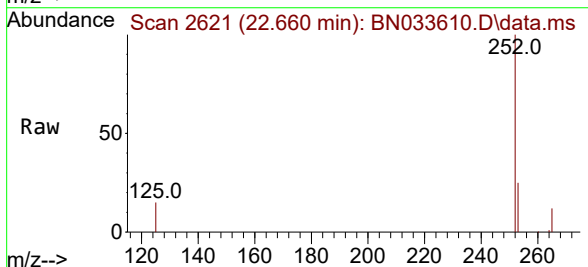
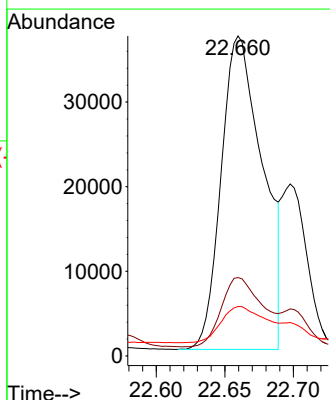
Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924DL

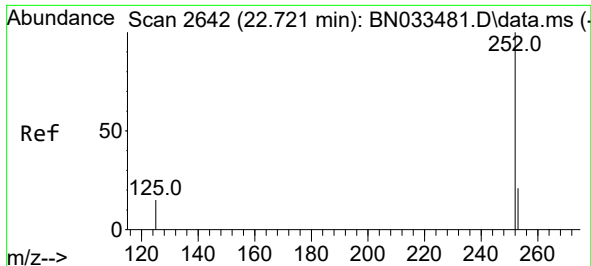
Tgt Ion:	276	Resp:	37727
Ion Ratio	Lower	Upper	
276	100		
138	24.6	24.4	36.6
277	24.3	19.8	29.6



#37
 Benzo(b)fluoranthene
 Concen: 1.183 ng
 RT: 22.660 min Scan# 2621
 Delta R.T. -0.000 min
 Lab File: BN033610.D
 Acq: 24 Aug 2024 04:08

Tgt Ion:	252	Resp:	77954
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.8	29.8
125	15.4	13.9	20.9

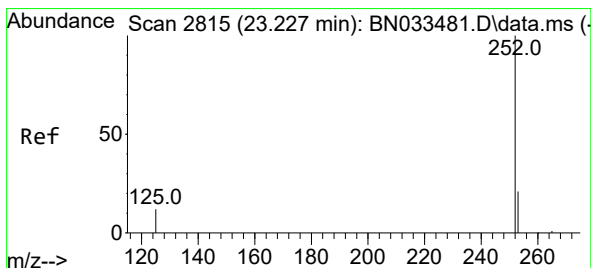
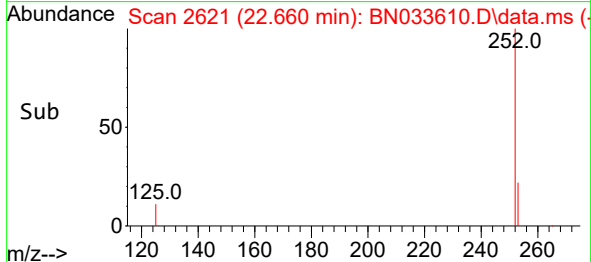
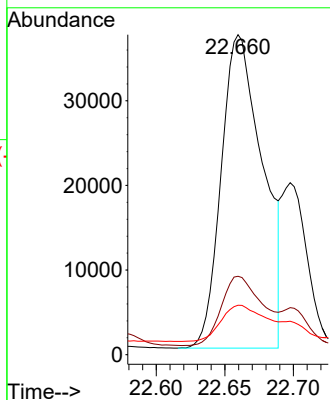
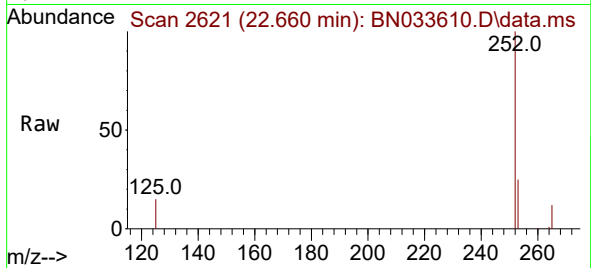




#38
Benzo(k)fluoranthene
Concen: 1.202 ng
RT: 22.660 min Scan# 20
Delta R.T. -0.044 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

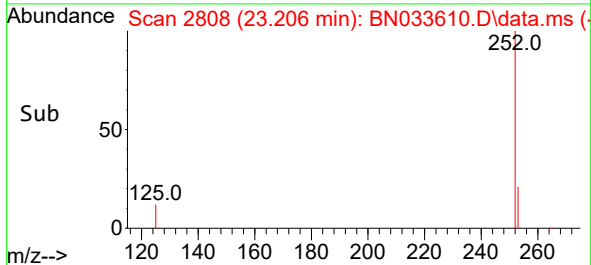
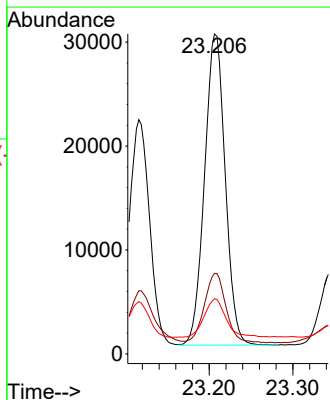
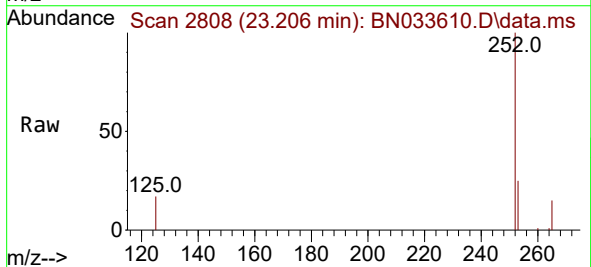
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

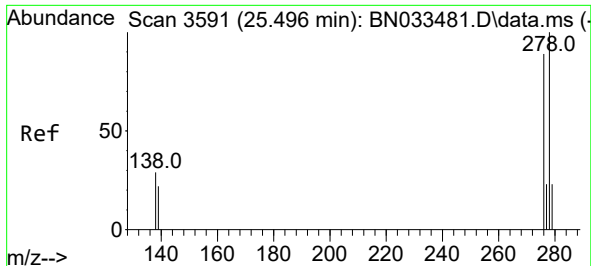
Tgt Ion:252 Resp: 77954
Ion Ratio Lower Upper
252 100
253 24.5 19.8 29.8
125 15.4 15.8 23.8#



#39
Benzo(a)pyrene
Concen: 0.943 ng
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:252 Resp: 51390
Ion Ratio Lower Upper
252 100
253 25.2 21.5 32.3
125 17.3 17.0 25.4

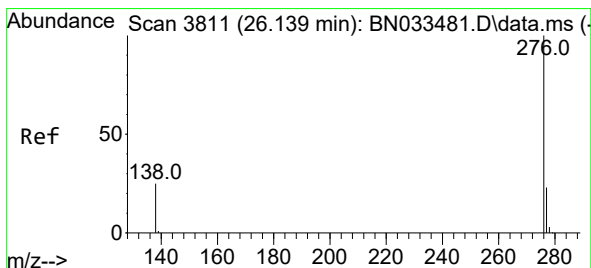
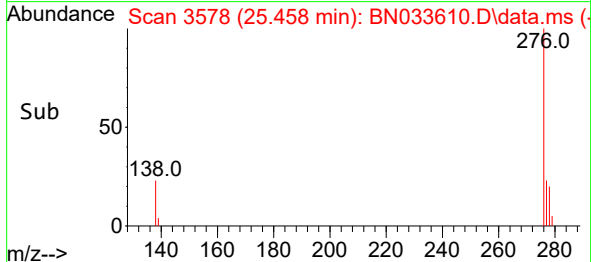
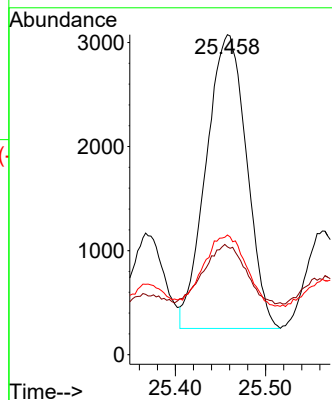
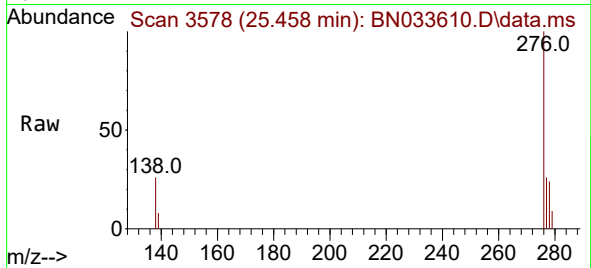




#40
Dibenzo(a,h)anthracene
Concen: 0.150 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924DL

Tgt Ion:278 Resp: 8785
Ion Ratio Lower Upper
278 100
139 33.7 19.1 28.7#
279 37.4 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 0.590 ng
RT: 26.104 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033610.D
Acq: 24 Aug 2024 04:08

Tgt Ion:276 Resp: 36974
Ion Ratio Lower Upper
276 100
277 25.0 19.7 29.5
138 26.3 21.8 32.6

