

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081924\
 Data File : BN033502.D
 Acq On : 20 Aug 2024 12:47
 Operator : MA/JU
 Sample : P3580-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0.5-1-081224RE

Quant Time: Aug 20 13:12:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

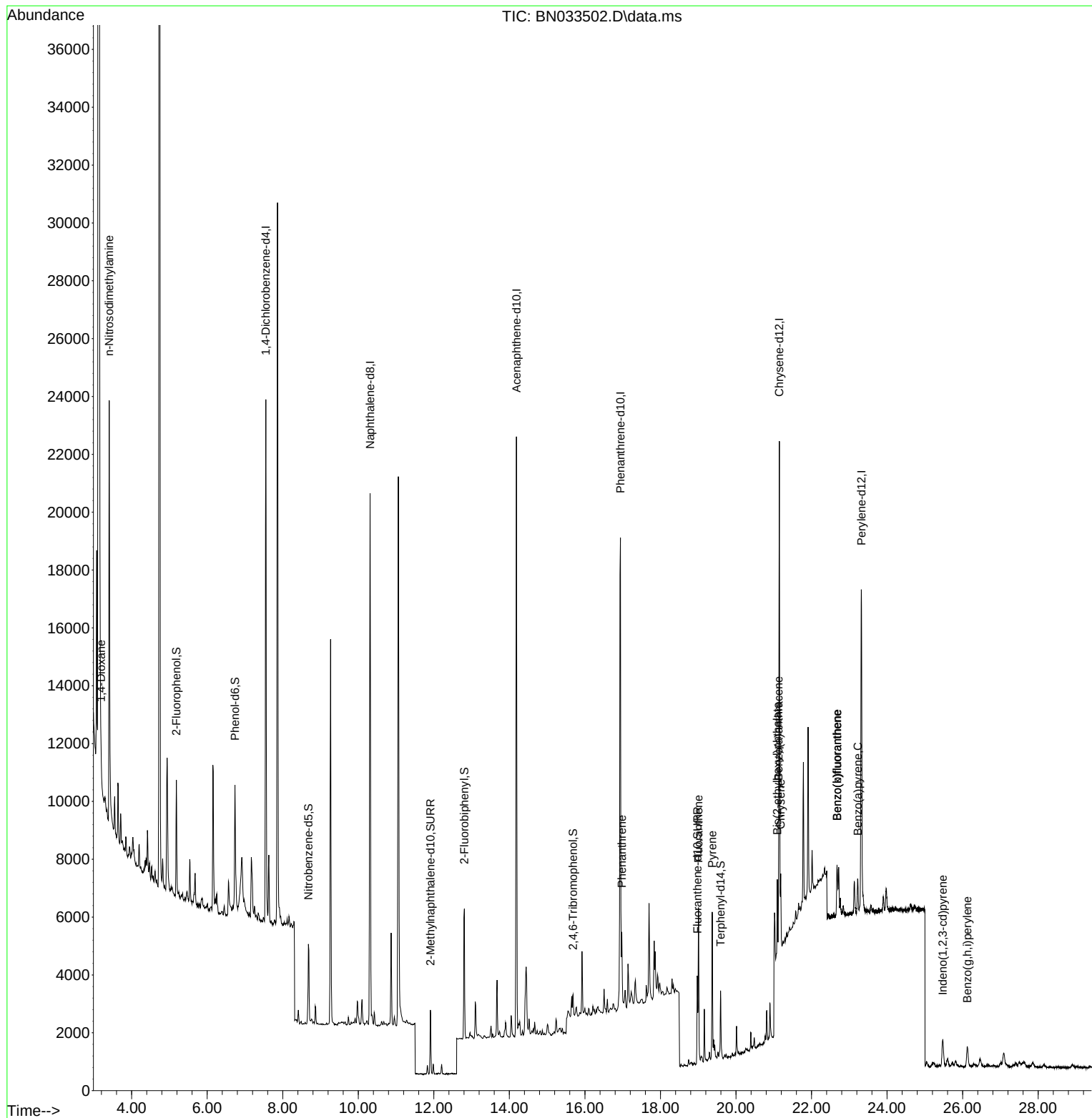
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	8241	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	22492	0.400	ng	# 0.00
13) Acenaphthene-d10	14.189	164	11415	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	24297	0.400	ng	0.00
29) Chrysene-d12	21.148	240	14406	0.400	ng	0.00
35) Perylene-d12	23.317	264	14184	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2789	0.106	ng	0.00
5) Phenol-d6	6.736	99	3395	0.109	ng	0.00
8) Nitrobenzene-d5	8.681	82	2174	0.117	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	2905	0.090	ng	0.00
14) 2,4,6-Tribromophenol	15.688	330	399	0.065	ng	0.00
15) 2-Fluorobiphenyl	12.809	172	3913	0.084	ng	0.00
27) Fluoranthene-d10	18.979	212	3334	0.057	ng	0.00
31) Terphenyl-d14	19.593	244	1992	0.061	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.190	88	199	0.021	ng	# 1
3) n-Nitrosodimethylamine	3.407	42	2548	0.231	ng	# 1
25) Phenanthrene	16.979	178	2433	0.036	ng	98
28) Fluoranthene	19.007	202	4758	0.064	ng	98
30) Pyrene	19.370	202	4700	0.073	ng	96
32) Benzo(a)anthracene	21.130	228	1639	0.031	ng	# 81
33) Chrysene	21.184	228	2195	0.042	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.094	149	2490	0.076	ng	98
36) Indeno(1,2,3-cd)pyrene	25.475	276	1337	0.023	ng	# 84
37) Benzo(b)fluoranthene	22.677	252	2797	0.053	ng	# 21
38) Benzo(k)fluoranthene	22.677	252	2797	0.054	ng	# 23
39) Benzo(a)pyrene	23.224	252	1725	0.039	ng	# 10
41) Benzo(g,h,i)perylene	26.127	276	1381	0.027	ng	# 62

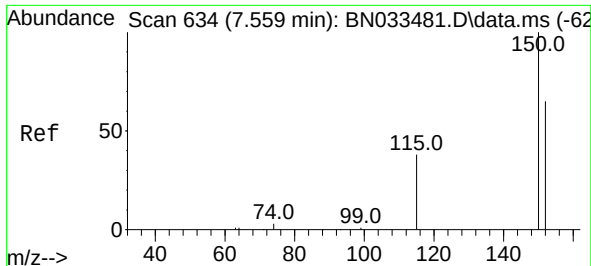
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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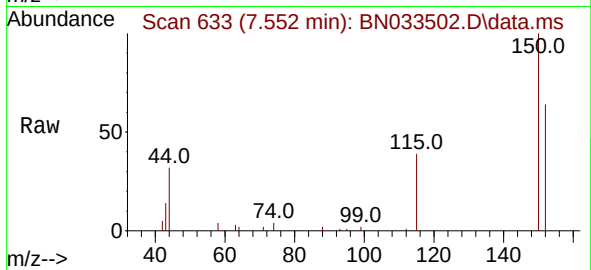
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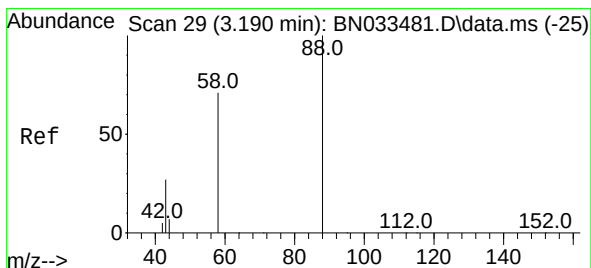
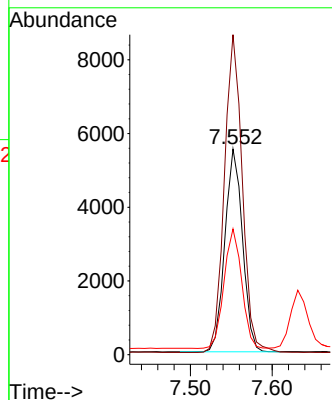
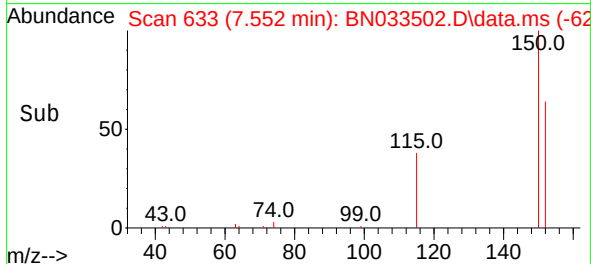


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.552 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0.5-1-081224RE

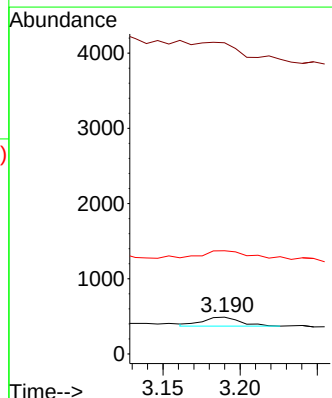
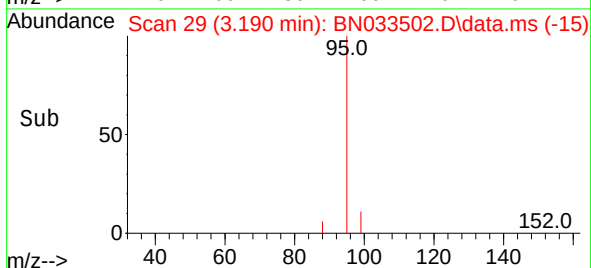
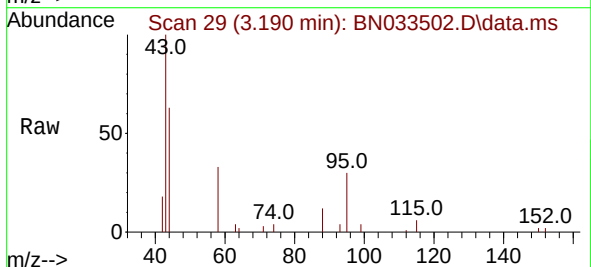


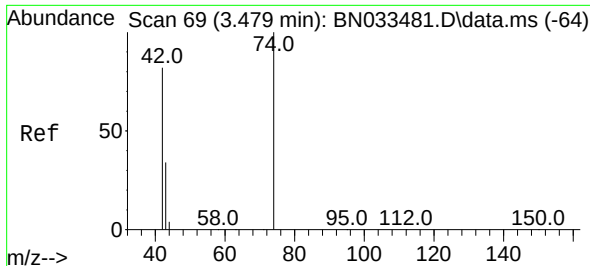
Tgt Ion:152 Resp: 8241
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.2 183.2
 115 61.2 47.2 70.8



#2
 1,4-Dioxane
 Concen: 0.021 ng
 RT: 3.190 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

Tgt Ion: 88 Resp: 199
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.0 37.4#
 58 243.7 62.5 93.7#

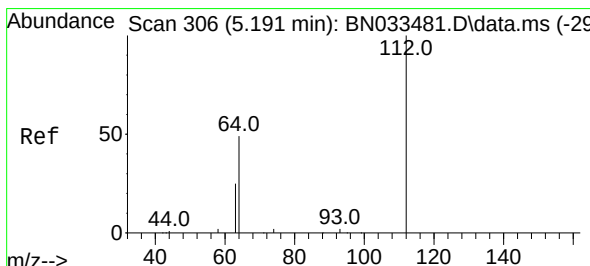
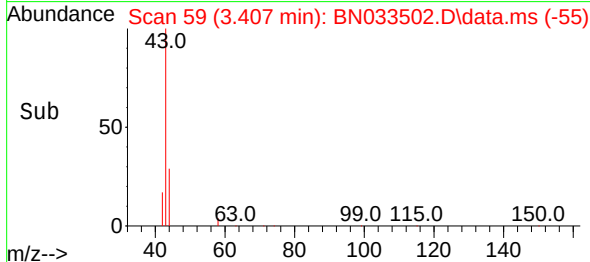
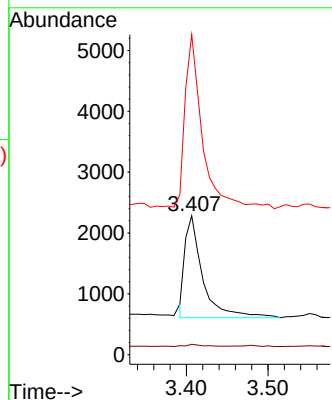
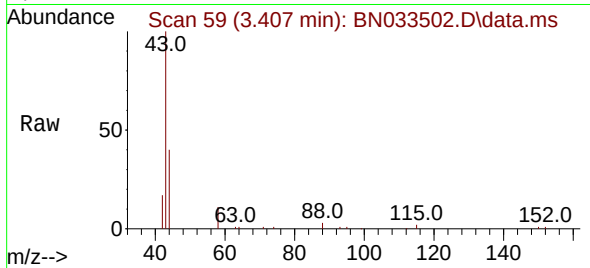




#3
 n-Nitrosodimethylamine
 Concen: 0.231 ng
 RT: 3.407 min Scan# 51
 Delta R.T. -0.072 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

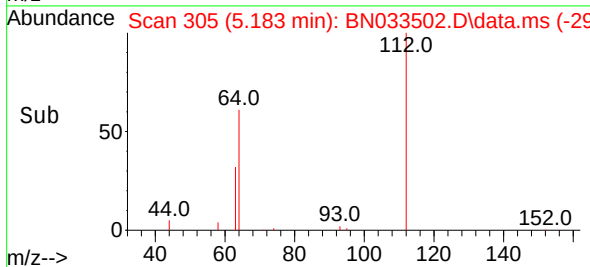
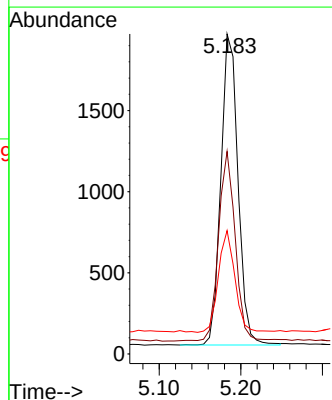
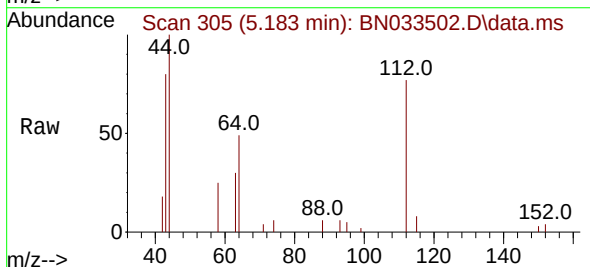
Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0.5-1-081224RE

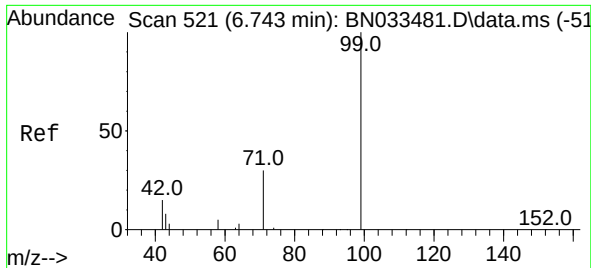
Tgt Ion: 42 Resp: 2548
 Ion Ratio Lower Upper
 42 100
 74 1.2 100.2 150.2#
 44 162.7 5.3 7.9#



#4
 2-Fluorophenol
 Concen: 0.106 ng
 RT: 5.183 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

Tgt Ion: 112 Resp: 2789
 Ion Ratio Lower Upper
 112 100
 64 59.4 47.1 70.7
 63 31.7 24.9 37.3

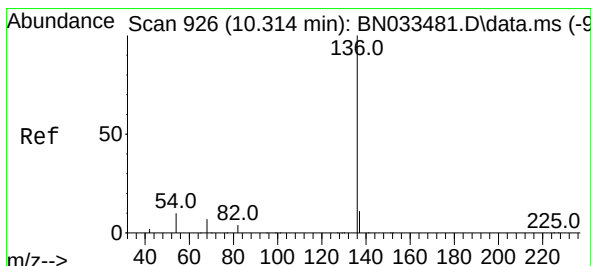
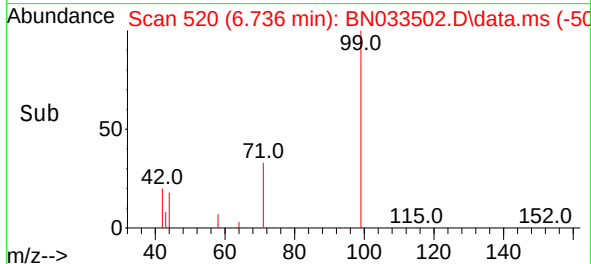
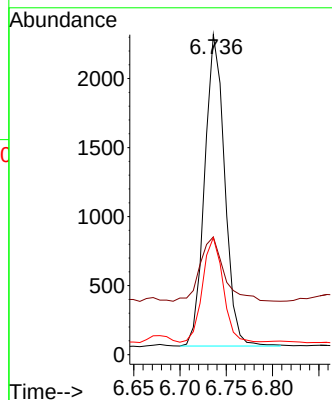
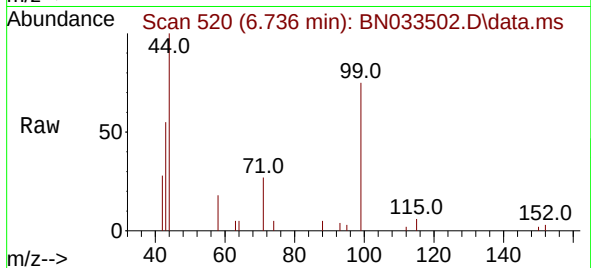




#5
Phenol-d6
Concen: 0.109 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

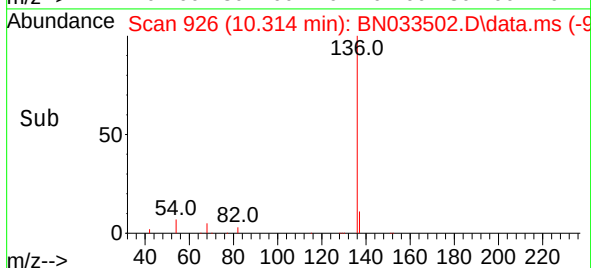
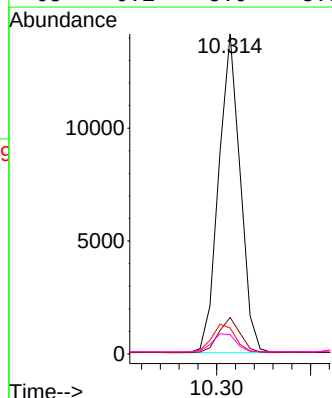
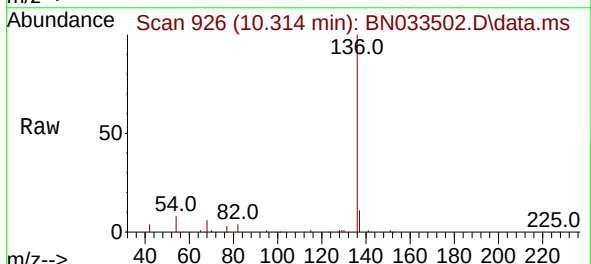
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0.5-1-081224RE

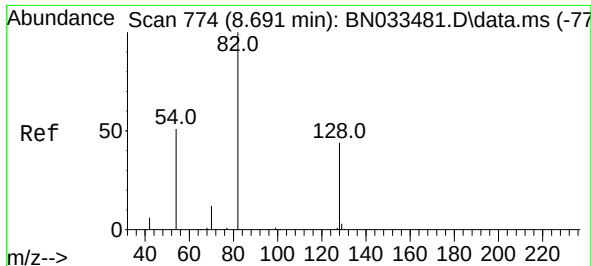
Tgt Ion:	99	Resp:	3395
Ion	Ratio	Lower	Upper
99	100		
42	24.7	16.6	24.8
71	34.4	26.2	39.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. -0.000 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

Tgt Ion:	136	Resp:	22492
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.1	8.3	12.5#
68	6.1	5.9	8.9

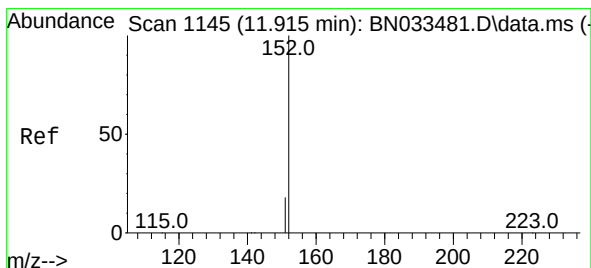
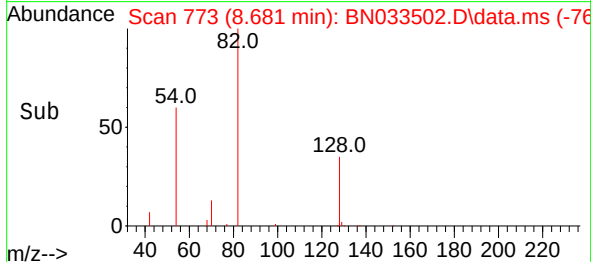
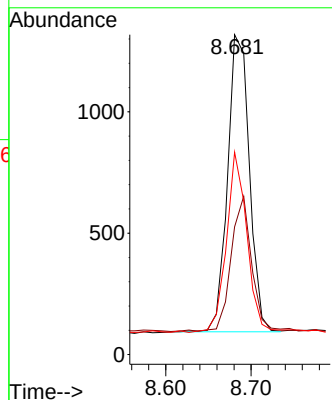
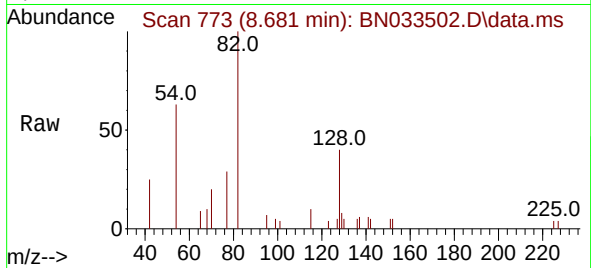




#8
Nitrobenzene-d5
Concen: 0.117 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

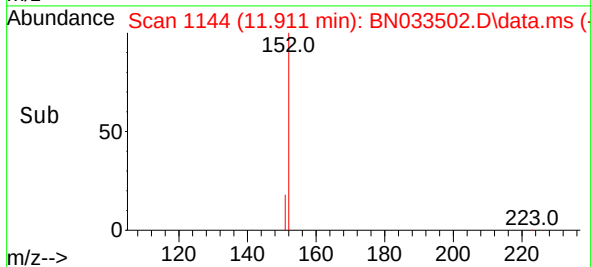
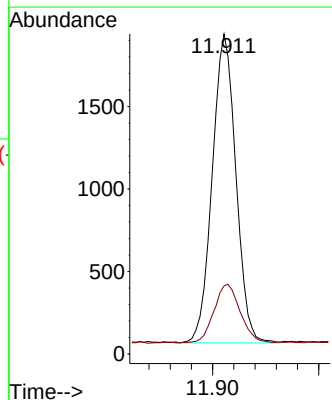
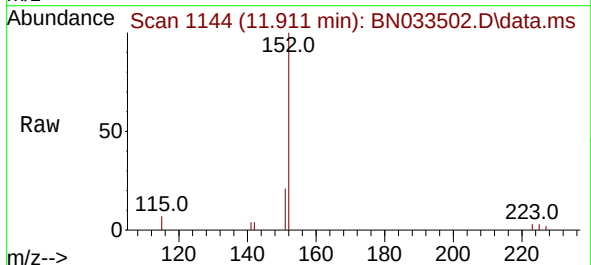
Instrument :
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ClientSampleId :
925-K1-SD-0.5-1-081224RE

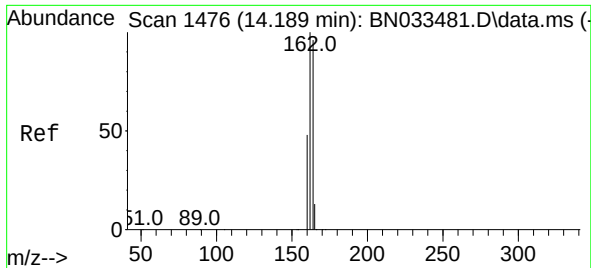
Tgt Ion: 82 Resp: 2174
Ion Ratio Lower Upper
82 100
128 39.9 36.0 54.0
54 63.3 42.0 63.0#



#11
2-Methylnaphthalene-d10
Concen: 0.090 ng
RT: 11.911 min Scan# 1144
Delta R.T. -0.004 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

Tgt Ion:152 Resp: 2905
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0

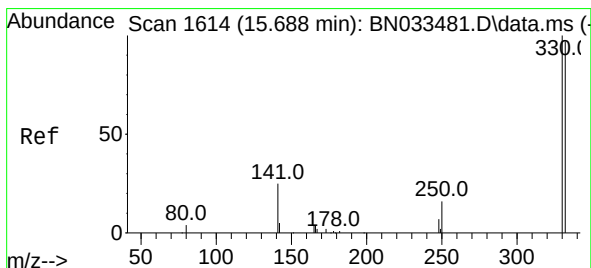
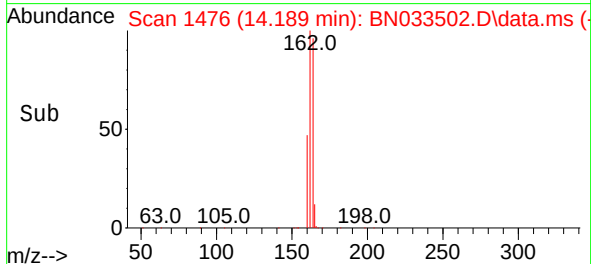
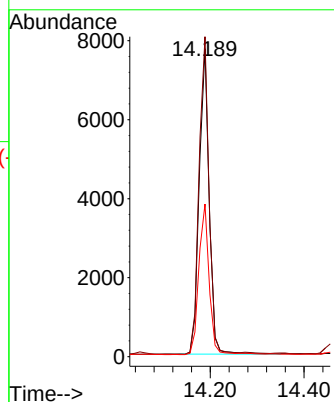
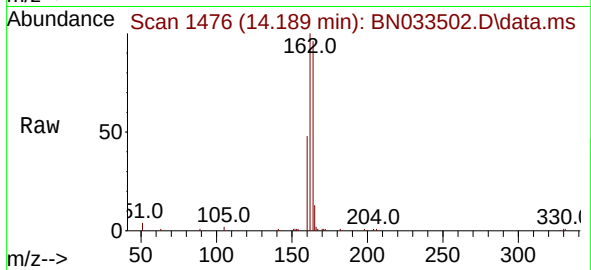




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.189 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

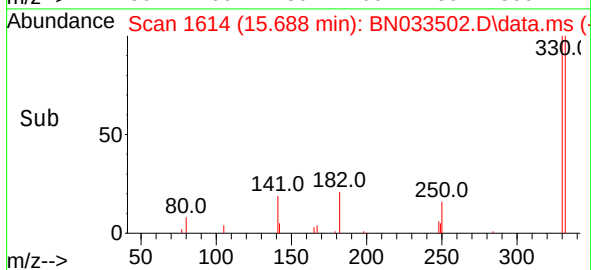
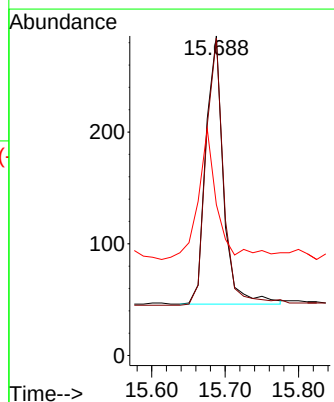
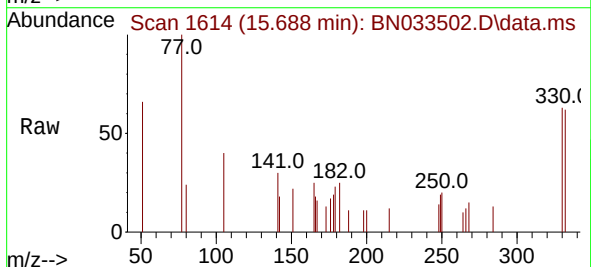
Instrument :
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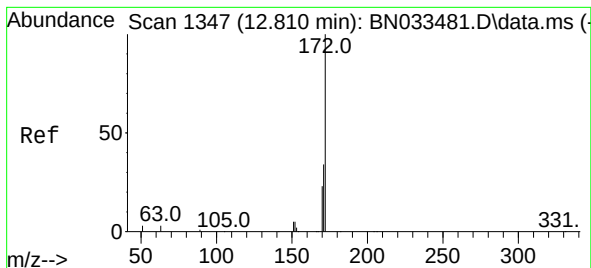
Tgt Ion:164 Resp: 11415
Ion Ratio Lower Upper
164 100
162 103.9 83.5 125.3
160 49.6 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 0.065 ng
RT: 15.688 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

Tgt Ion:330 Resp: 399
Ion Ratio Lower Upper
330 100
332 100.8 77.5 116.3
141 54.4 33.9 50.9#





#15

2-Fluorobiphenyl

Concen: 0.084 ng

RT: 12.809 min Scan# 1347

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0.5-1-081224RE

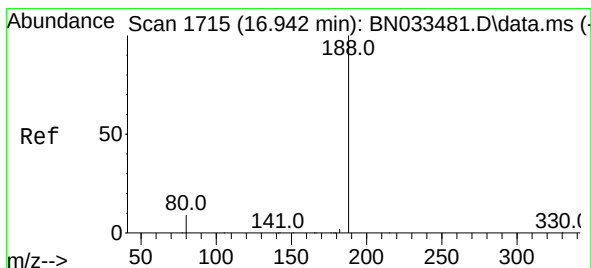
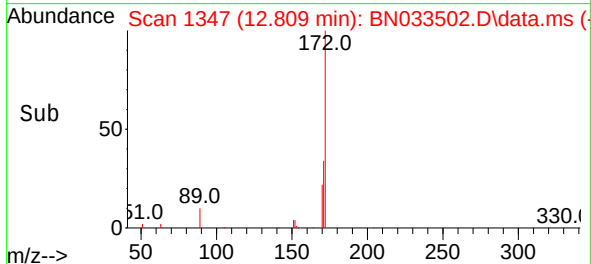
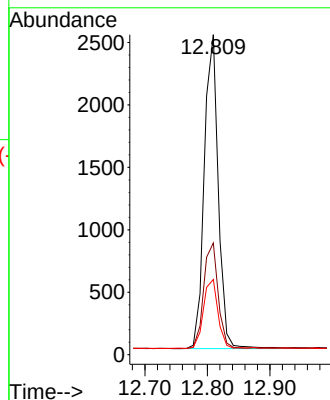
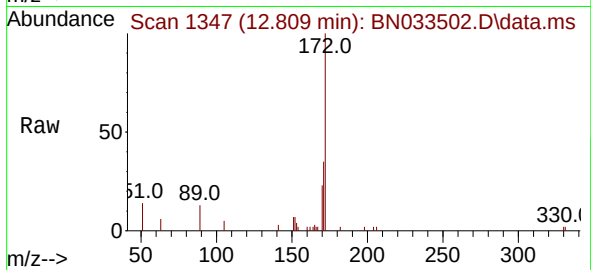
Tgt Ion:172 Resp: 3913

Ion Ratio Lower Upper

172 100

171 34.9 27.7 41.5

170 23.5 18.3 27.5



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.942 min Scan# 1715

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

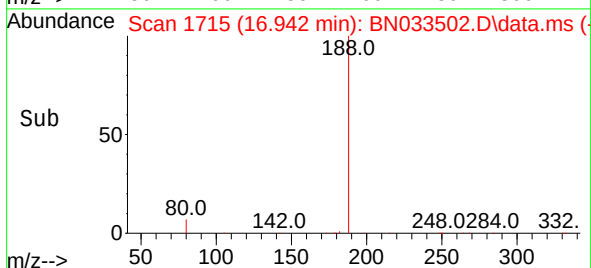
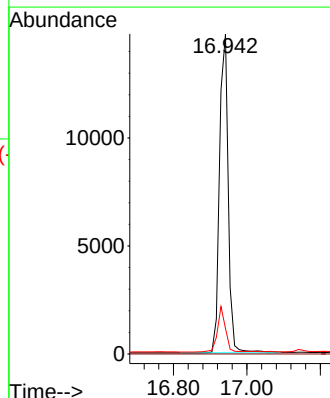
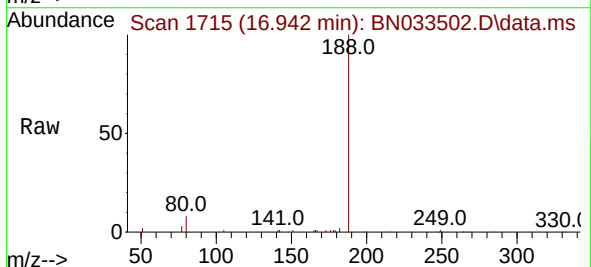
Tgt Ion:188 Resp: 24297

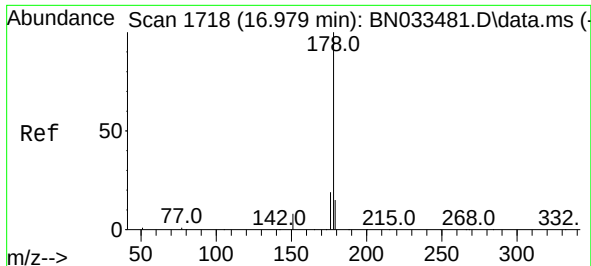
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 7.8 11.8





#25

Phenanthrene

Concen: 0.036 ng

RT: 16.979 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

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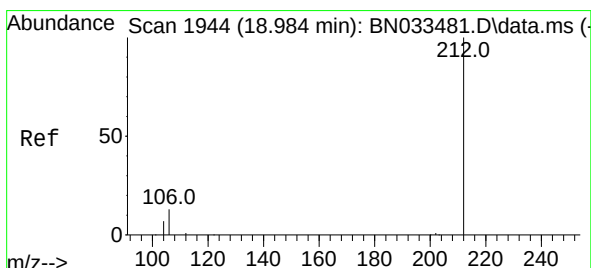
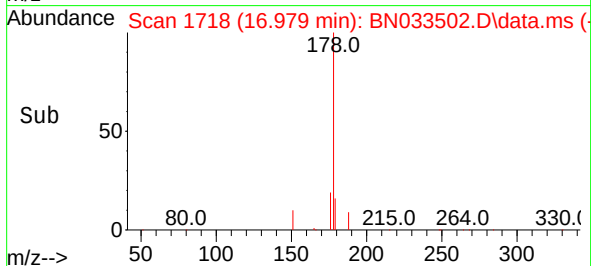
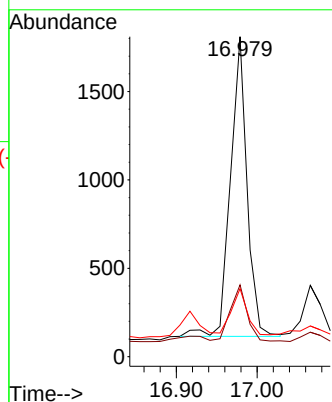
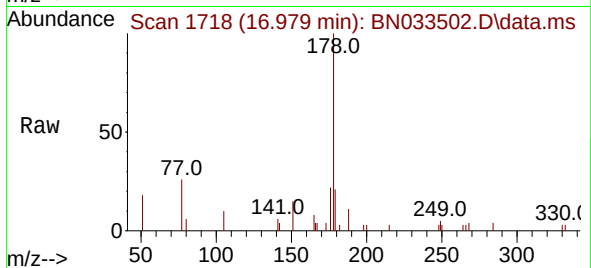
Tgt Ion:178 Resp: 2433

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 14.1 12.3 18.5



#27

Fluoranthene-d10

Concen: 0.057 ng

RT: 18.979 min Scan# 1943

Delta R.T. -0.005 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

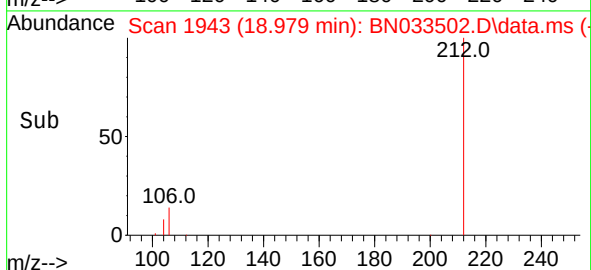
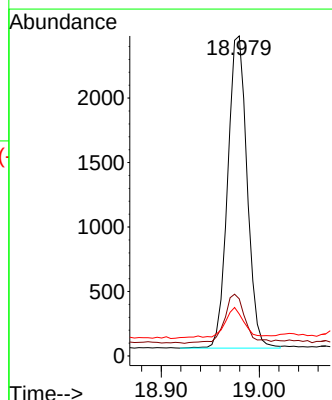
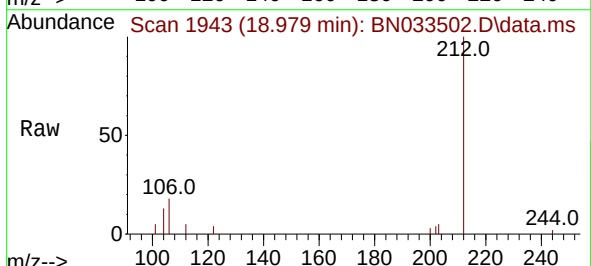
Tgt Ion:212 Resp: 3334

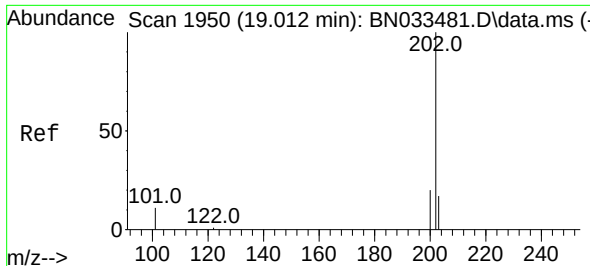
Ion Ratio Lower Upper

212 100

106 16.6 12.3 18.5

104 9.2 7.0 10.4

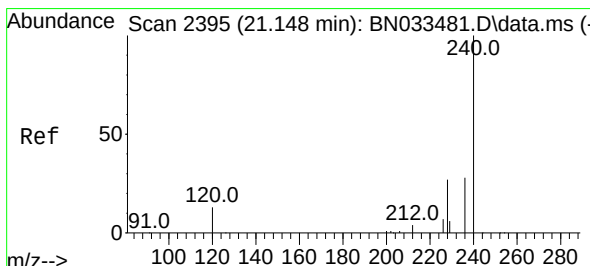
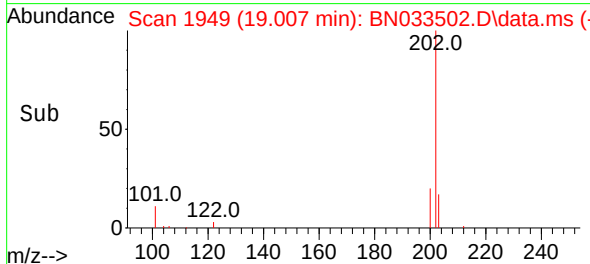
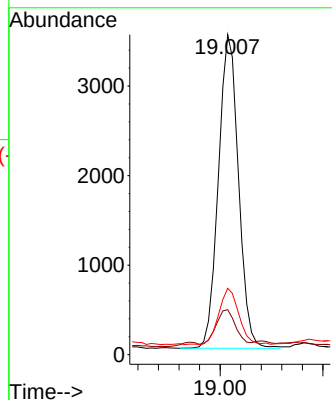
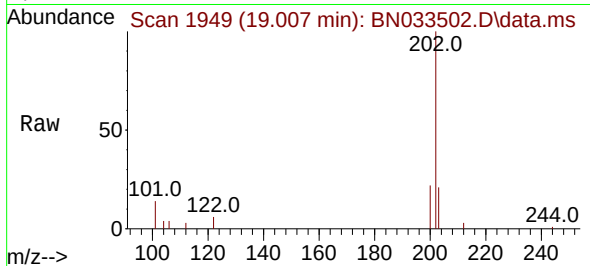




#28
Fluoranthene
Concen: 0.064 ng
RT: 19.007 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

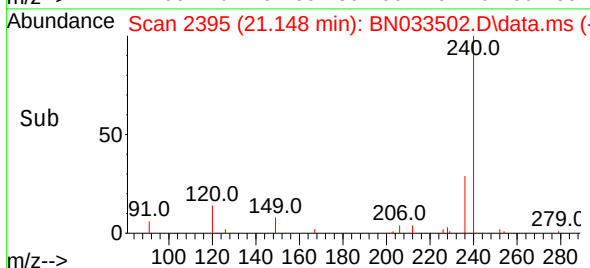
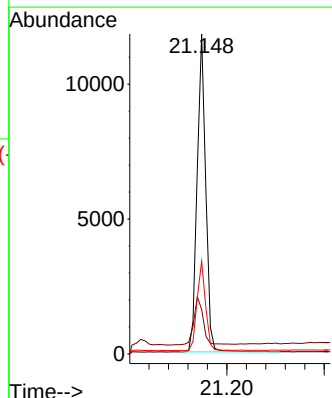
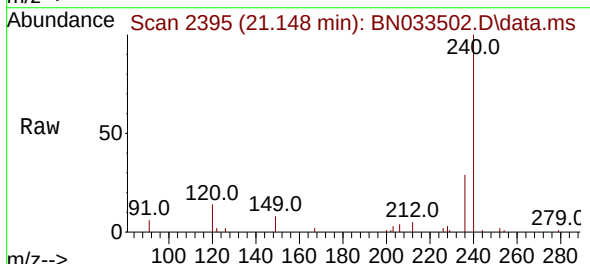
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0.5-1-081224RE

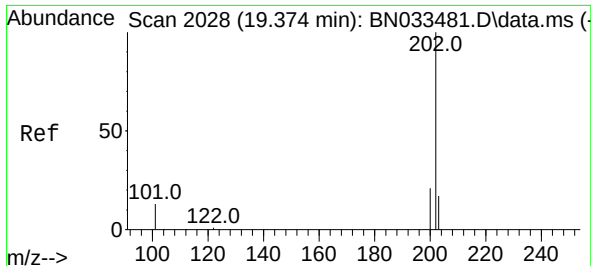
Tgt Ion:202	Resp:	4758	
Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.5	14.3
203	17.6	13.8	20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 2395
Delta R.T. -0.000 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

Tgt Ion:240	Resp:	14406	
Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.4	18.6
236	29.0	23.0	34.6

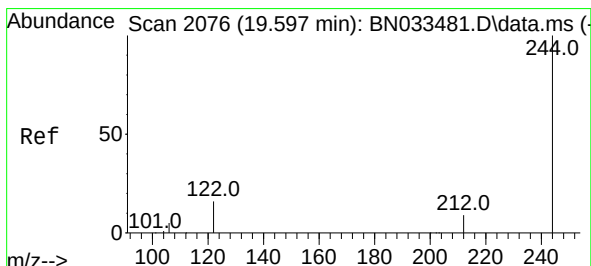
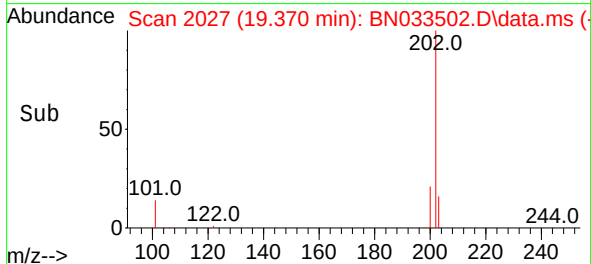
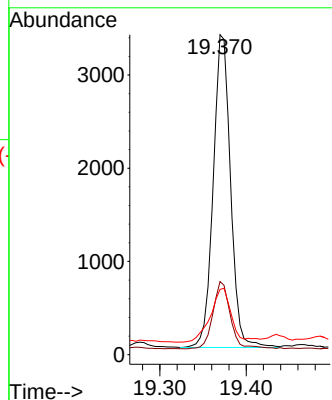
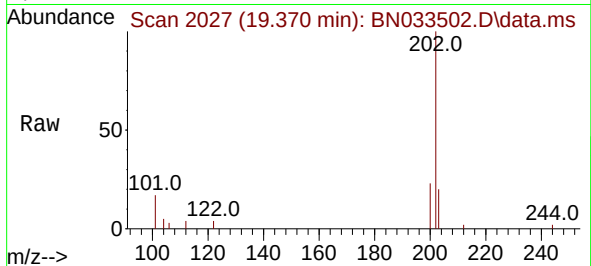




#30
Pyrene
Concen: 0.073 ng
RT: 19.370 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

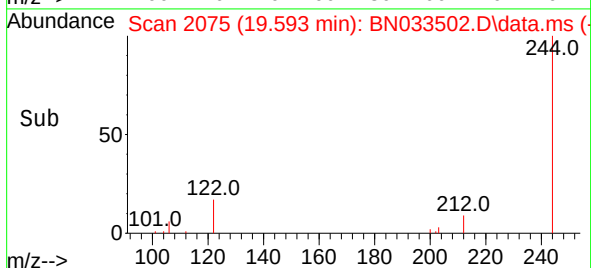
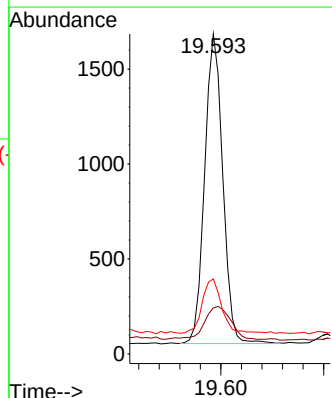
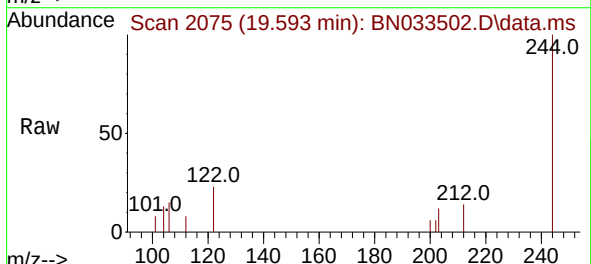
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0.5-1-081224RE

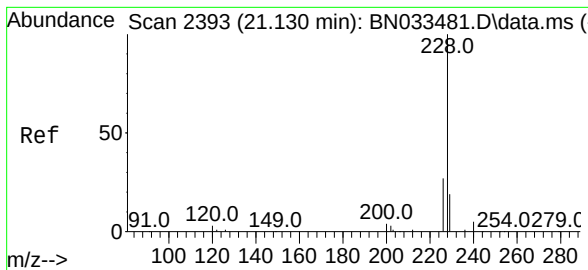
Tgt Ion:	202	Resp:	4700
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.6	24.8
203	21.0	14.2	21.4



#31
Terphenyl-d14
Concen: 0.061 ng
RT: 19.593 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BN033502.D
Acq: 20 Aug 2024 12:47

Tgt Ion:	244	Resp:	1992
Ion Ratio	Lower	Upper	
244	100		
212	14.4	7.8	11.6#
122	23.4	13.3	19.9#





#32

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.130 min Scan# 2393

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0.5-1-081224RE

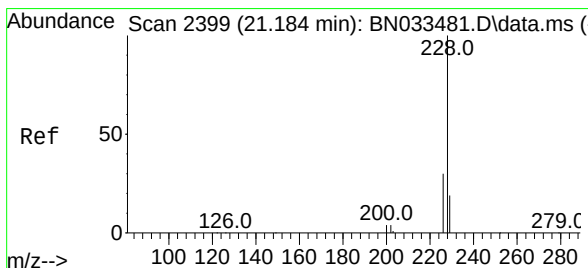
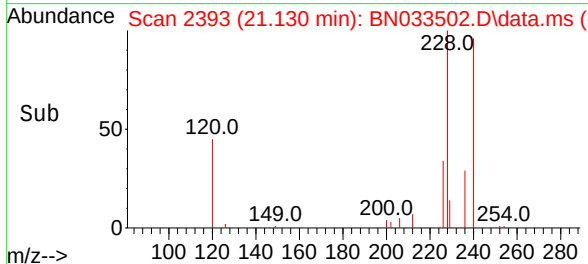
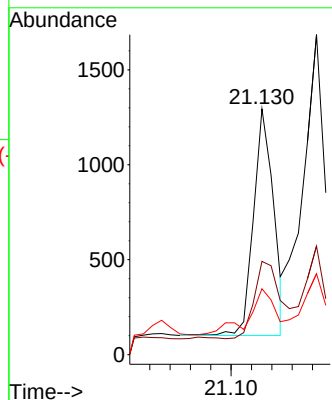
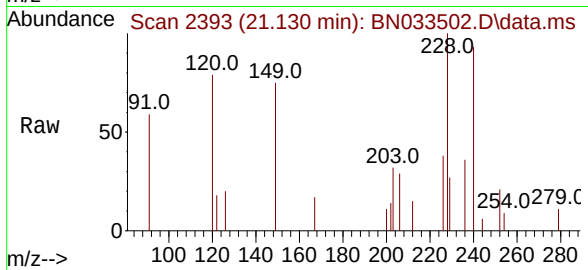
Tgt Ion:228 Resp: 1639

Ion Ratio Lower Upper

228 100

226 37.9 21.8 32.6#

229 26.8 15.8 23.6#



#33

Chrysene

Concen: 0.042 ng

RT: 21.184 min Scan# 2399

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

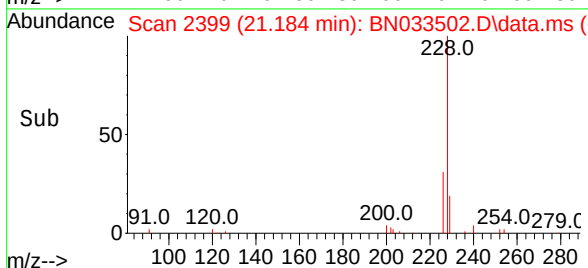
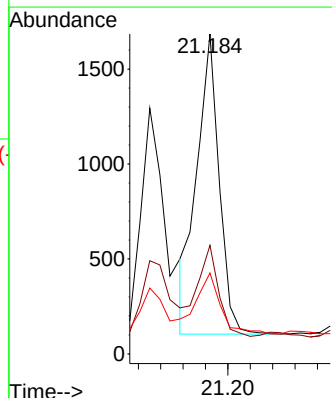
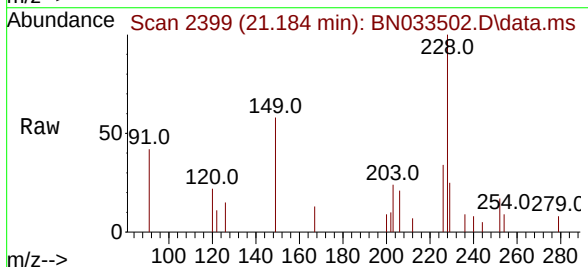
Tgt Ion:228 Resp: 2195

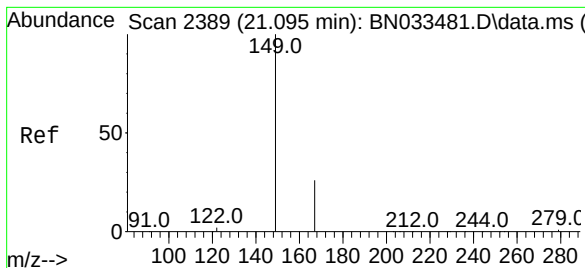
Ion Ratio Lower Upper

228 100

226 33.9 23.8 35.8

229 25.3 15.6 23.4#

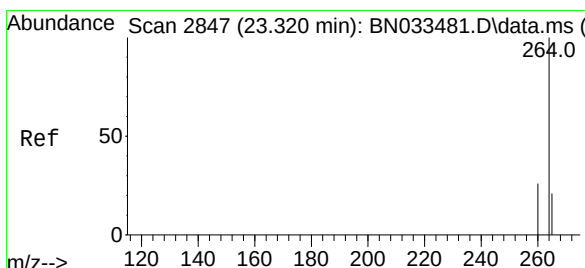
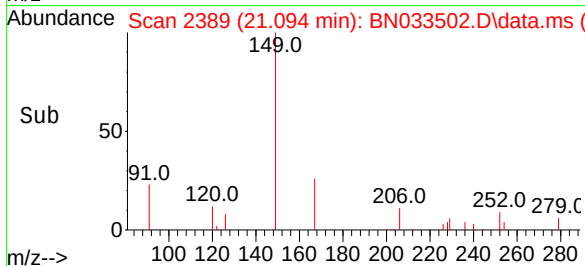
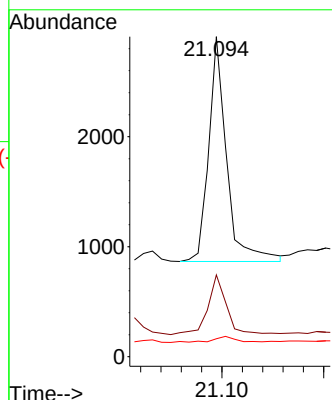
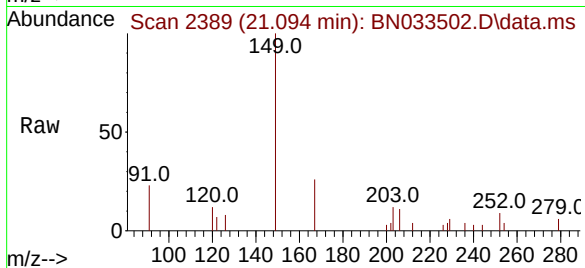




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.076 ng
 RT: 21.094 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

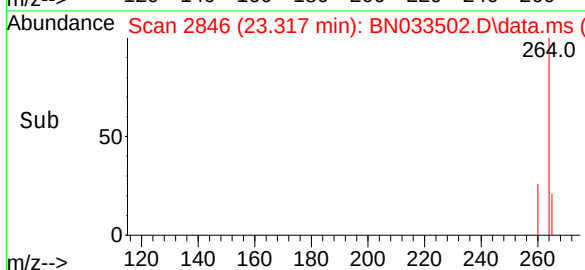
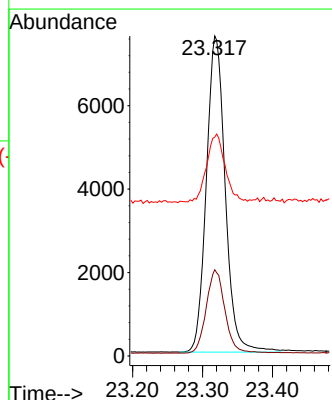
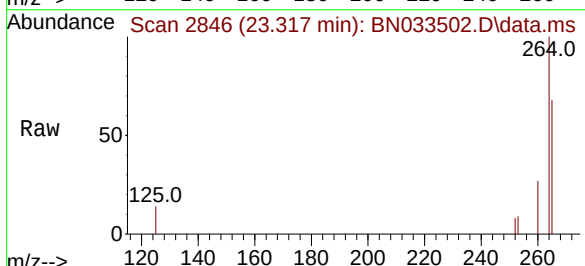
Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0.5-1-081224RE

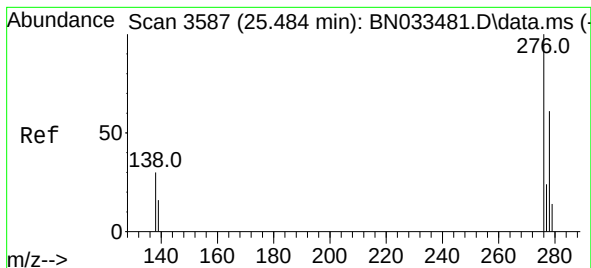
Tgt Ion:149	Resp:	2490
Ion Ratio	Lower	Upper
149	100	
167	25.6	21.5 32.3
279	2.4	2.2 3.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.317 min Scan# 2846
 Delta R.T. -0.003 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

Tgt Ion:264	Resp:	14184
Ion Ratio	Lower	Upper
264	100	
260	26.9	20.8 31.2
265	68.4	52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.475 min Scan# 3584

Delta R.T. -0.009 min

Lab File: BN033502.D

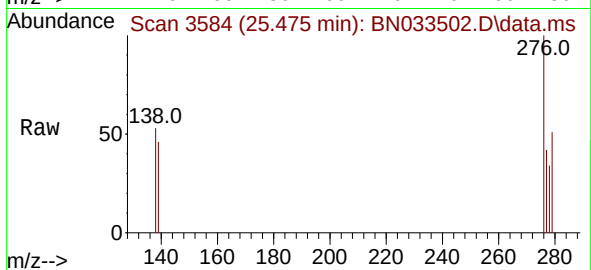
Acq: 20 Aug 2024 12:47

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0.5-1-081224RE



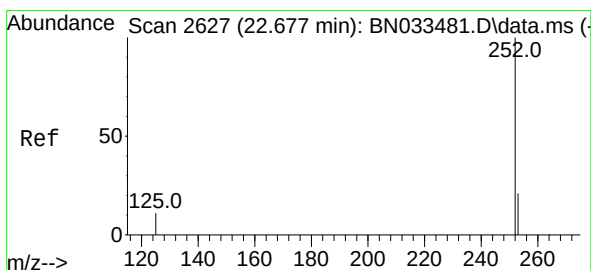
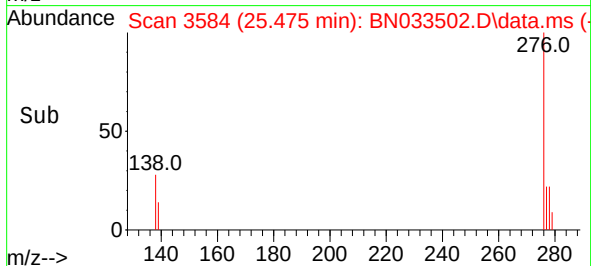
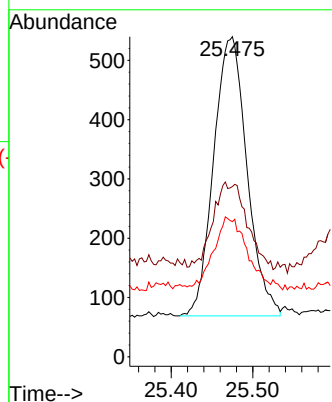
Tgt Ion:276 Resp: 1337

Ion Ratio Lower Upper

276 100

138 15.8 24.4 36.6#

277 23.3 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.053 ng

RT: 22.677 min Scan# 2627

Delta R.T. -0.000 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

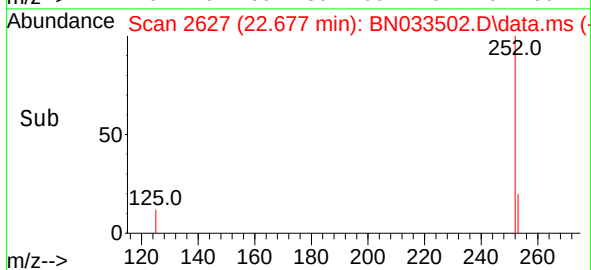
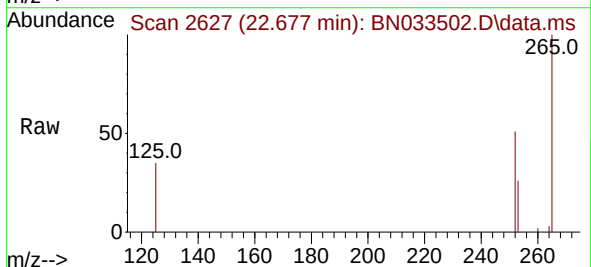
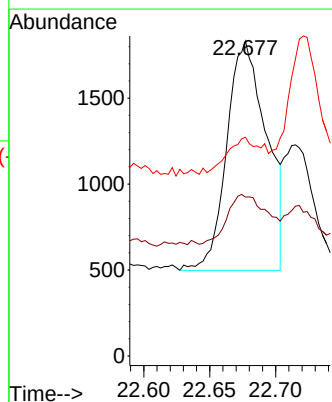
Tgt Ion:252 Resp: 2797

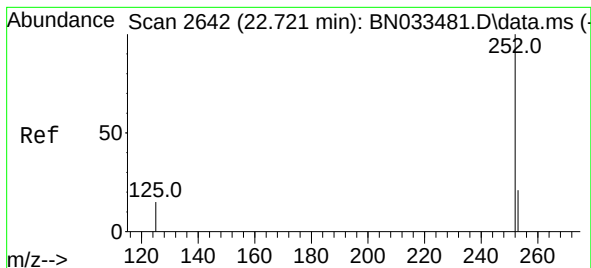
Ion Ratio Lower Upper

252 100

253 50.4 19.8 29.8#

125 69.5 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 0.054 ng

RT: 22.677 min Scan# 2627

Delta R.T. -0.044 min

Lab File: BN033502.D

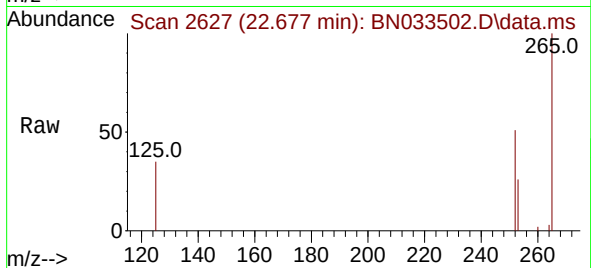
Acq: 20 Aug 2024 12:47

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0.5-1-081224RE



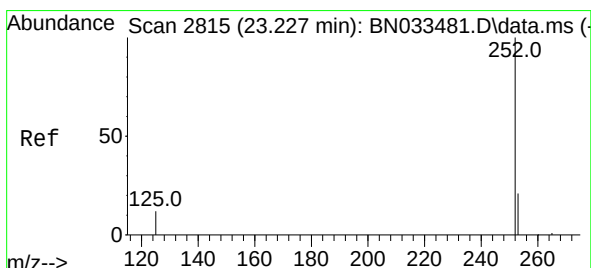
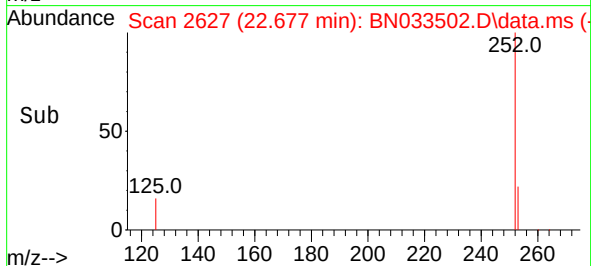
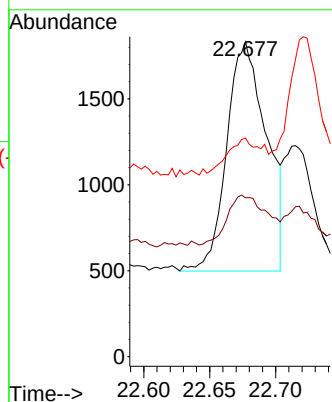
Tgt Ion:252 Resp: 2797

Ion Ratio Lower Upper

252 100

253 50.4 19.8 29.8#

125 69.5 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 0.039 ng

RT: 23.224 min Scan# 2814

Delta R.T. -0.003 min

Lab File: BN033502.D

Acq: 20 Aug 2024 12:47

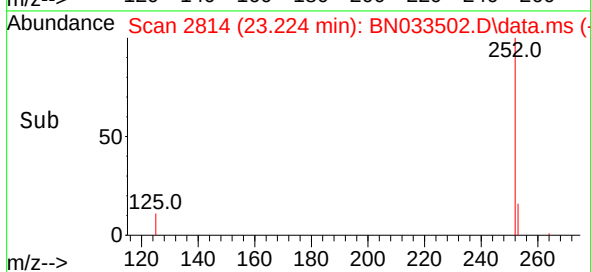
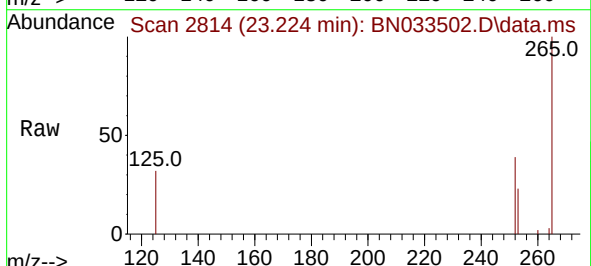
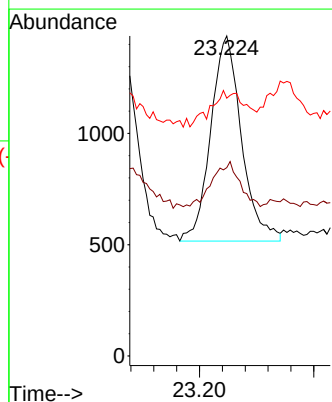
Tgt Ion:252 Resp: 1725

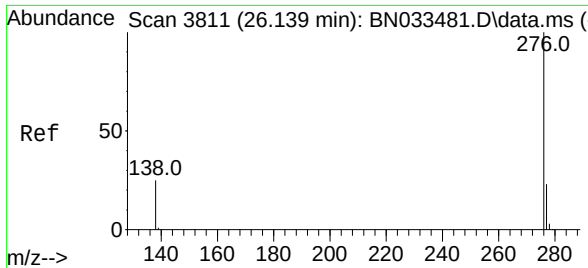
Ion Ratio Lower Upper

252 100

253 58.8 21.5 32.3#

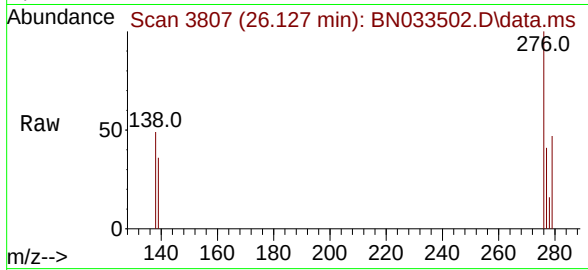
125 80.5 17.0 25.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.027 ng
 RT: 26.127 min Scan# 3811
 Delta R.T. -0.012 min
 Lab File: BN033502.D
 Acq: 20 Aug 2024 12:47

Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0.5-1-081224RE



Tgt Ion: 276 Resp: 1381

Ion	Ratio	Lower	Upper
276	100		
277	41.4	19.7	29.5#
138	49.2	21.8	32.6#

