

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081325\
 Data File : BN037595.D
 Acq On : 13 Aug 2025 14:45
 Operator : RC/JU
 Sample : Q2825-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TW1

Quant Time: Aug 13 15:19:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

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

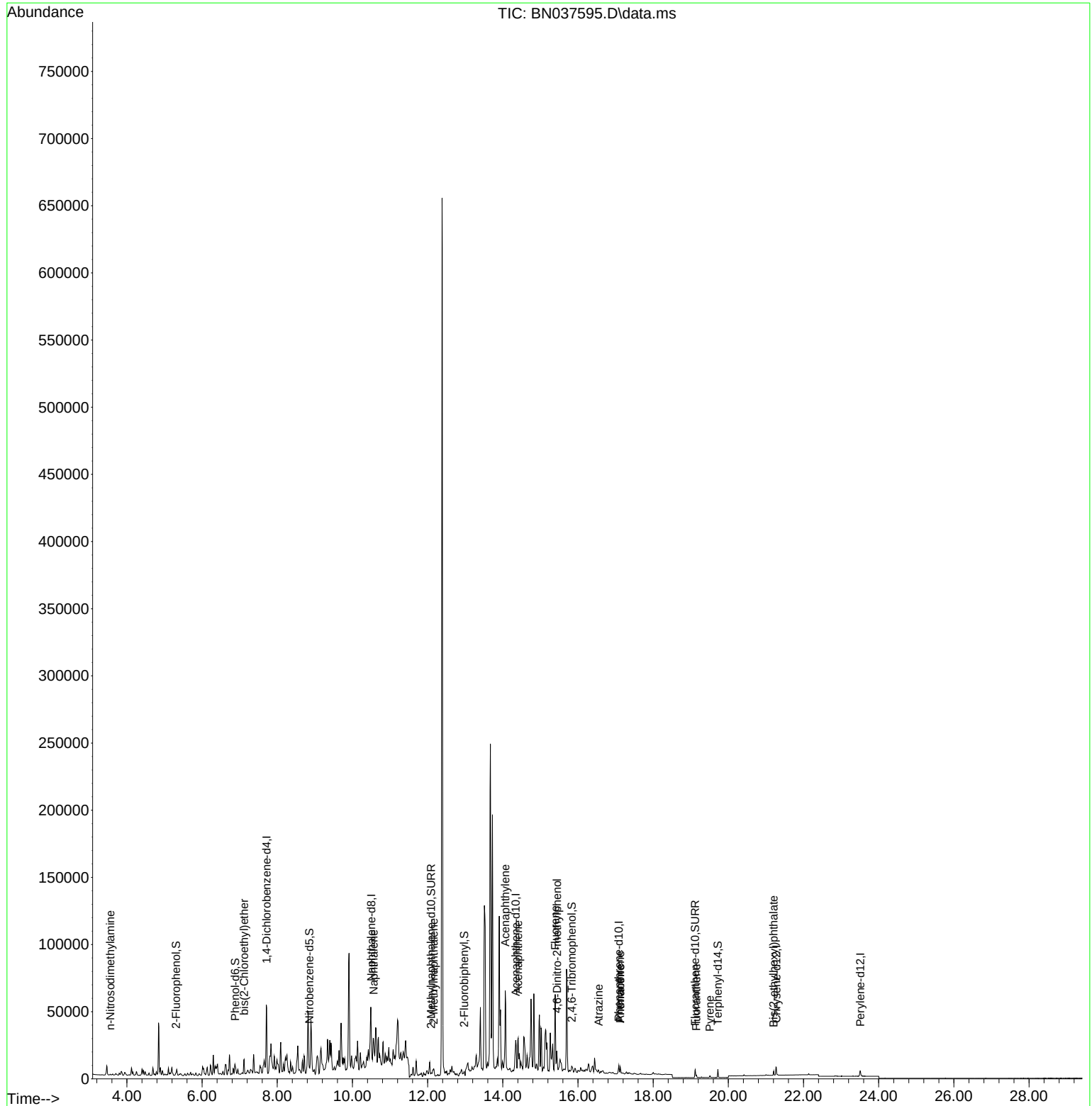
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	1978	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5793	0.400	ng	# 0.00
13) Acenaphthene-d10	14.345	164	4192	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	7073	0.400	ng	0.00
29) Chrysene-d12	21.277	240	6070	0.400	ng	0.00
35) Perylene-d12	23.510	264	5492	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	652	0.145	ng	0.00
5) Phenol-d6	6.879	99	579	0.107	ng	0.00
8) Nitrobenzene-d5	8.854	82	1752	0.429	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	1676	0.213	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	591	0.322	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	3019	0.125	ng	0.00
27) Fluoranthene-d10	19.118	212	6592	0.354	ng	0.00
31) Terphenyl-d14	19.722	244	5458	0.437	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.557	42	621	0.257	ng	# 5
6) bis(2-Chloroethyl)ether	7.118	93	833	0.171	ng	# 1
9) Naphthalene	10.562	128	7335	0.476	ng	# 1
12) 2-Methylnaphthalene	12.161	142	3314	0.343	ng	# 44
16) Acenaphthylene	14.067	152	8982	0.478	ng	# 1
17) Acenaphthene	14.409	154	6297	0.493	ng	# 77
18) Fluorene	15.392	166	23457	1.403	ng	# 90
20) 4,6-Dinitro-2-methylph...	15.446	198	96	0.255	ng	# 1
23) Atrazine	16.553	200	75	0.030	ng	# 3
25) Phenanthrene	17.124	178	5367	0.250	ng	97
26) Anthracene	17.124	178	5187	0.272	ng	97
28) Fluoranthene	19.150	202	1581	0.064	ng	98
30) Pyrene	19.508	202	1296	0.057	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.205	149	2748	0.328	ng	98

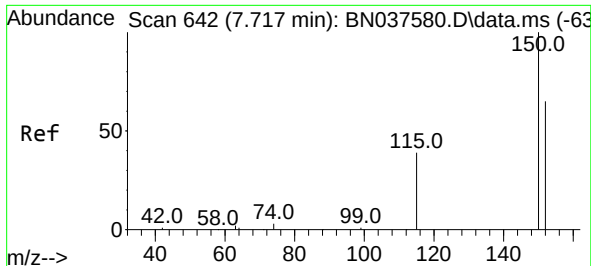
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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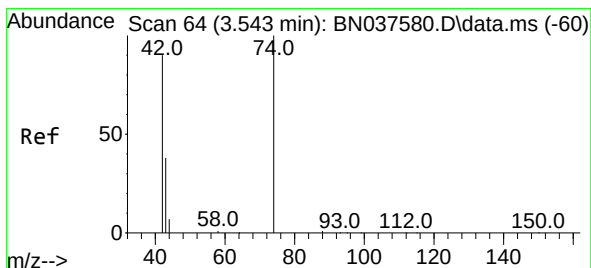
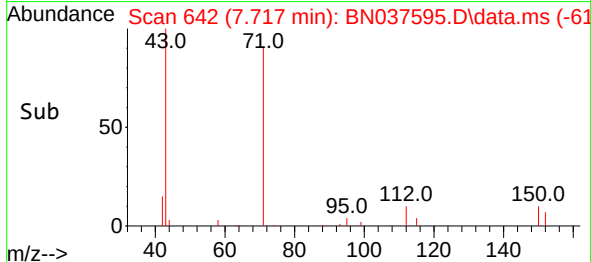
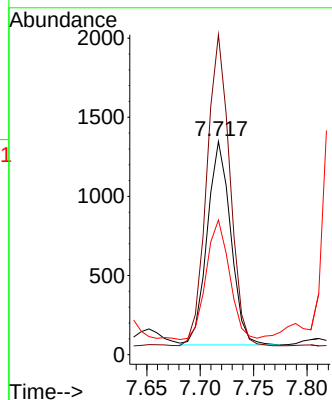
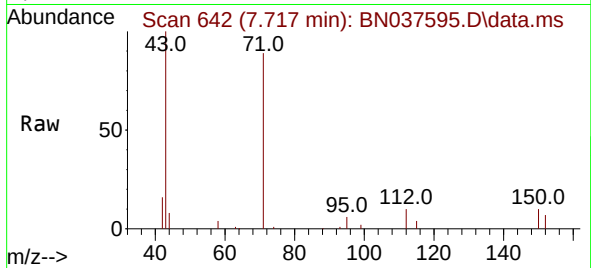




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

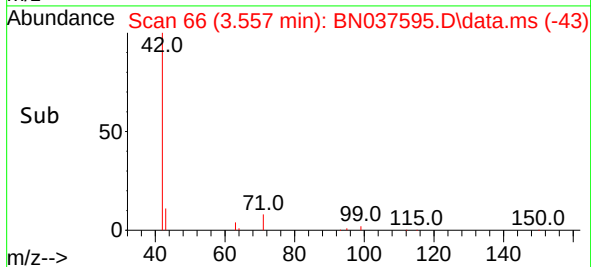
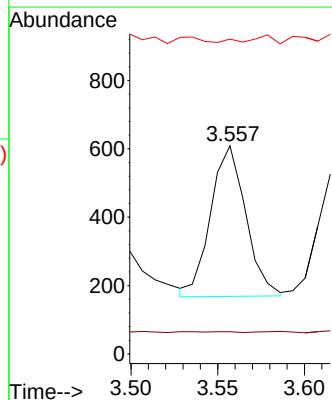
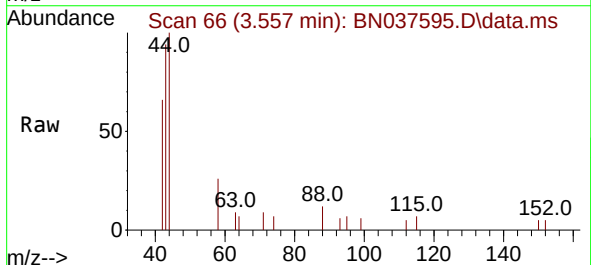
Instrument :
 BNA_N
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 TW1

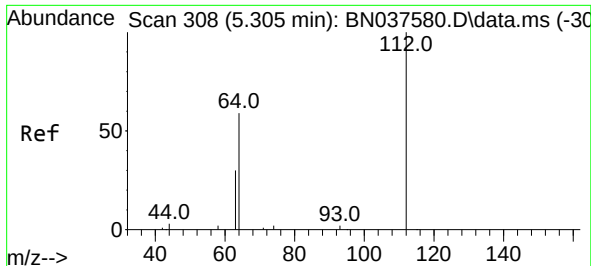
Tgt Ion:152 Resp: 1978
 Ion Ratio Lower Upper
 152 100
 150 150.0 122.2 183.4
 115 63.1 49.8 74.6



#3
 n-Nitrosodimethylamine
 Concen: 0.257 ng
 RT: 3.557 min Scan# 66
 Delta R.T. 0.015 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

Tgt Ion: 42 Resp: 621
 Ion Ratio Lower Upper
 42 100
 74 0.0 82.0 123.0#
 44 0.0 7.9 11.9#

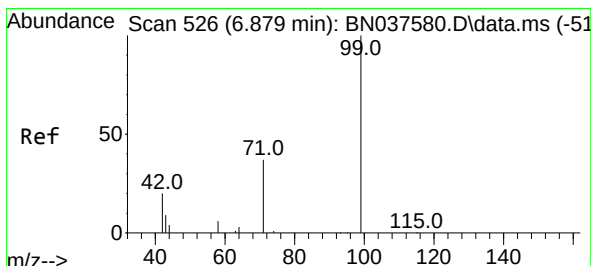
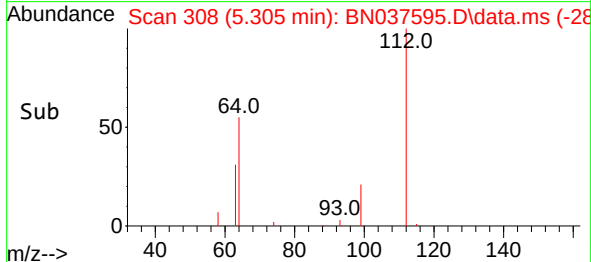
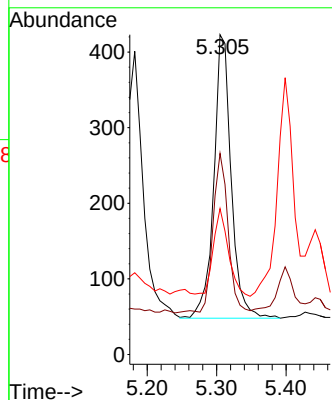
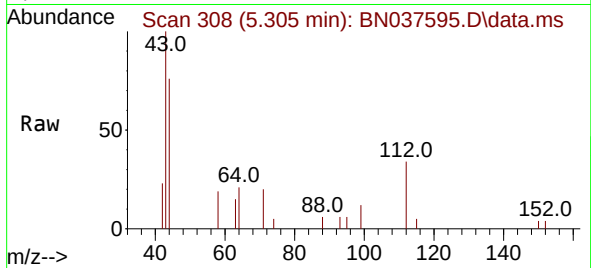




#4
2-Fluorophenol
Concen: 0.145 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

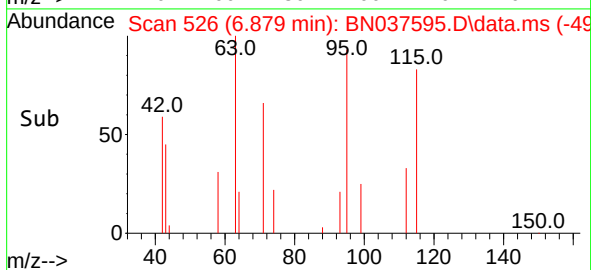
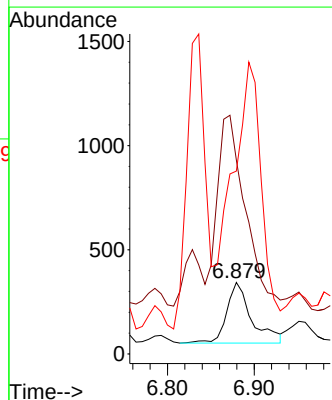
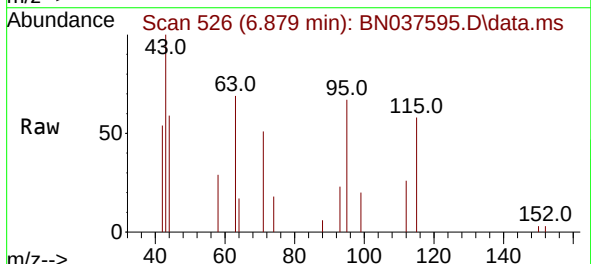
Instrument :
BNA_N
ClientSampleId :
TW1

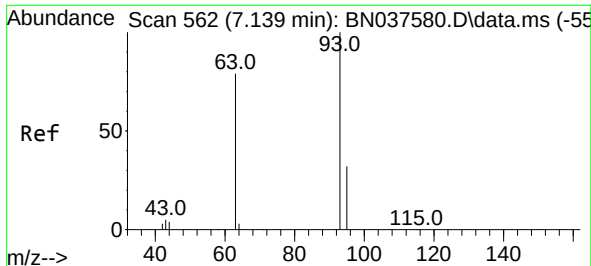
Tgt Ion:	112	Resp:	652
Ion	Ratio	Lower	Upper
112	100		
64	49.1	44.9	67.3
63	30.7	23.4	35.2



#5
Phenol-d6
Concen: 0.107 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:	99	Resp:	579
Ion	Ratio	Lower	Upper
99	100		
42	363.2	18.5	27.7#
71	0.0	28.6	42.8#

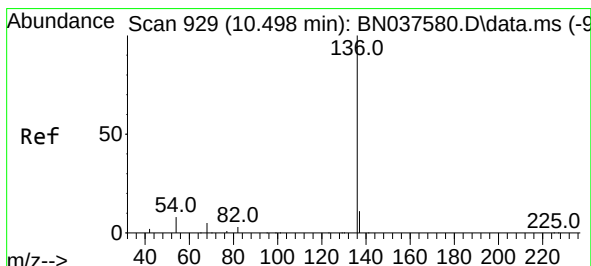
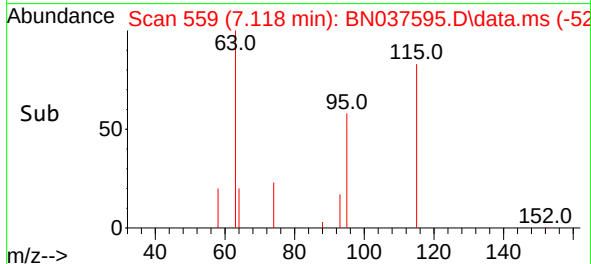
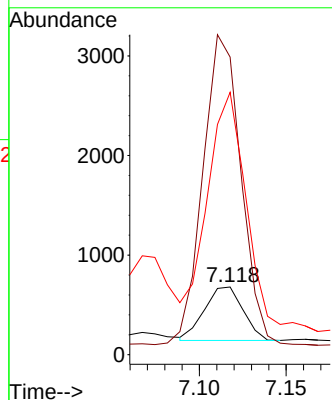
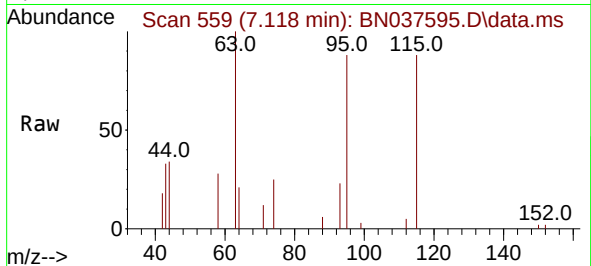




#6
bis(2-Chloroethyl)ether
Concen: 0.171 ng
RT: 7.118 min Scan# 51
Delta R.T. -0.022 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

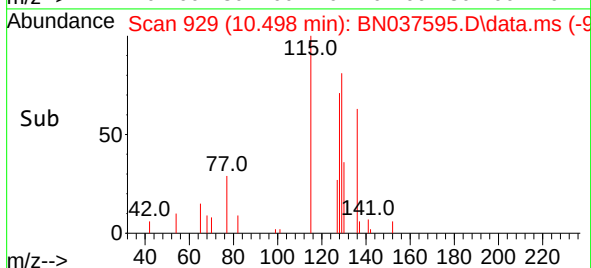
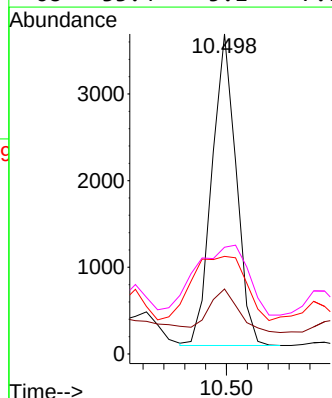
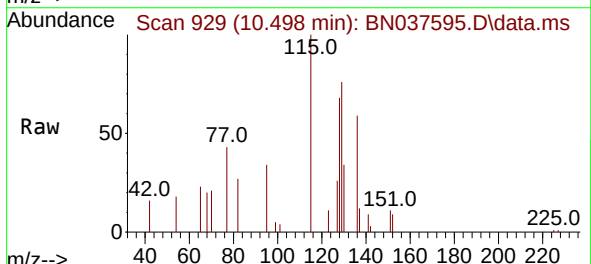
Instrument :
BNA_N
ClientSampleId :
TW1

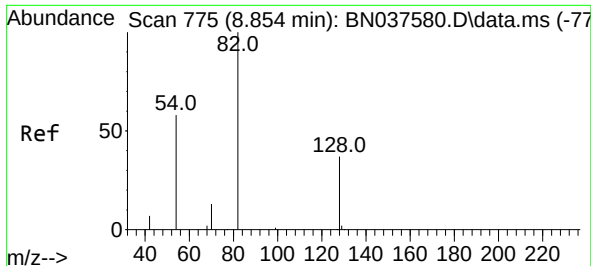
Tgt Ion: 93 Resp: 833
Ion Ratio Lower Upper
93 100
63 585.2 58.0 87.0#
95 495.6 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:136 Resp: 5793
Ion Ratio Lower Upper
136 100
137 20.3 9.5 14.3#
54 30.5 7.3 10.9#
68 33.4 5.1 7.7#

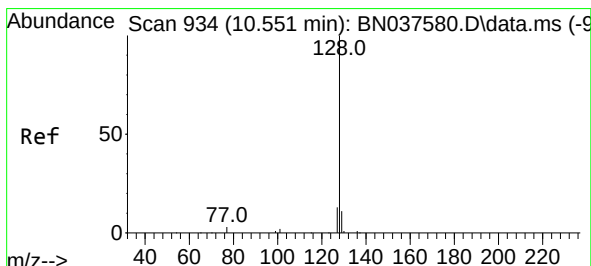
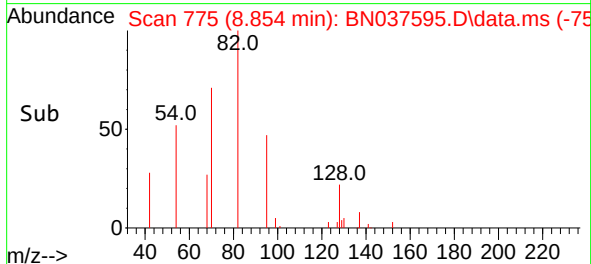
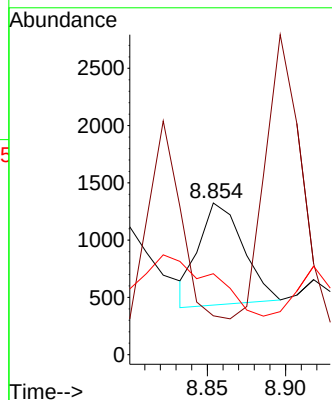
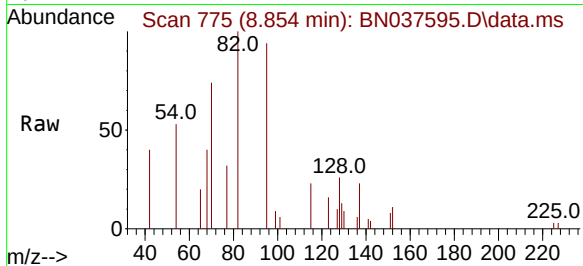




#8
Nitrobenzene-d5
Concen: 0.429 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

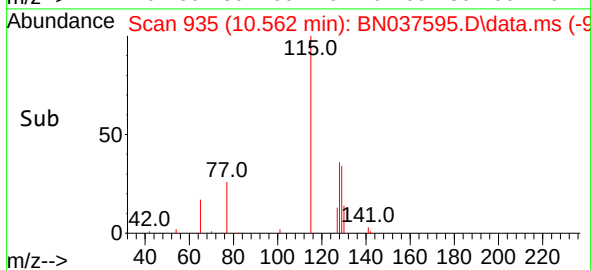
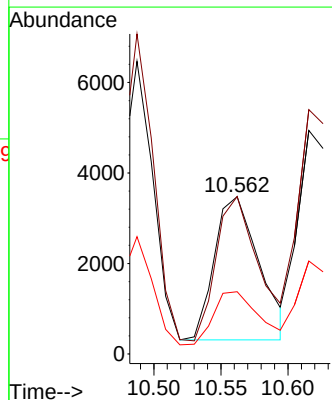
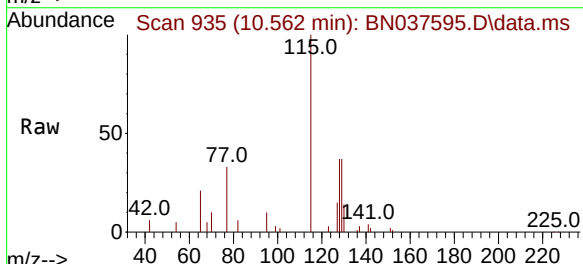
Instrument :
BNA_N
ClientSampleId :
TW1

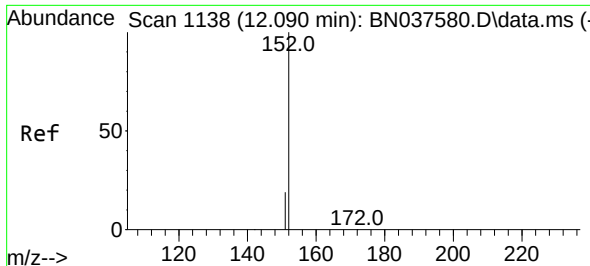
Tgt Ion: 82 Resp: 1752
Ion Ratio Lower Upper
82 100
128 25.7 32.6 48.8#
54 53.4 48.9 73.3



#9
Naphthalene
Concen: 0.476 ng
RT: 10.562 min Scan# 935
Delta R.T. 0.011 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 128 Resp: 7335
Ion Ratio Lower Upper
128 100
129 100.1 9.8 14.6#
127 39.6 11.5 17.3#

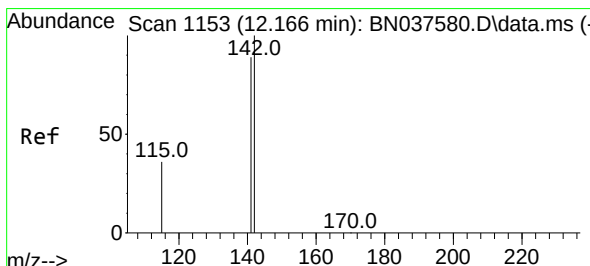
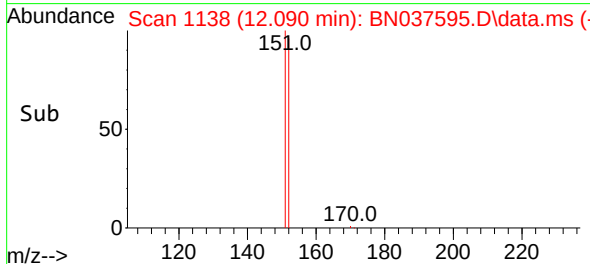
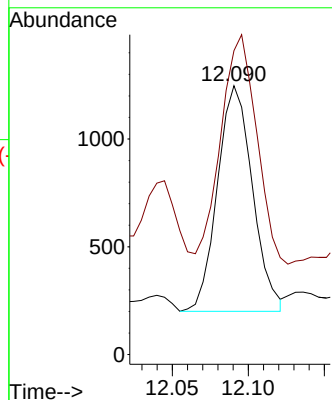
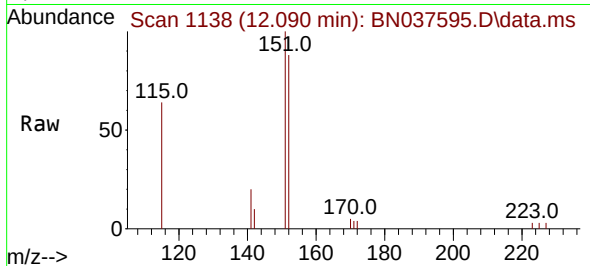




#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

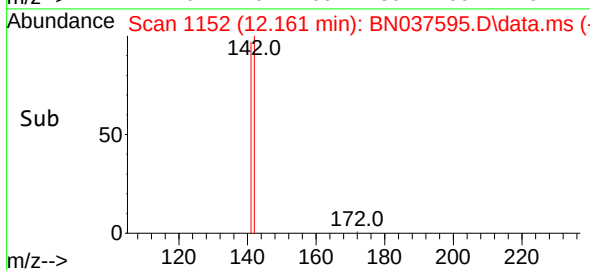
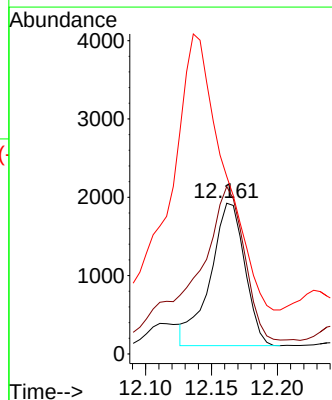
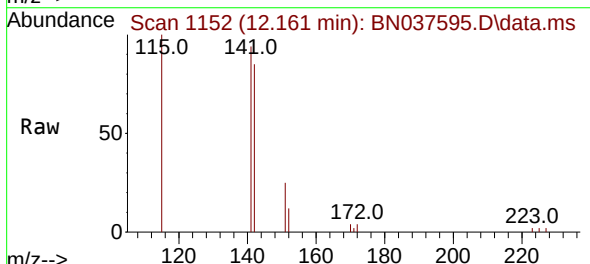
Instrument :
BNA_N
ClientSampleId :
TW1

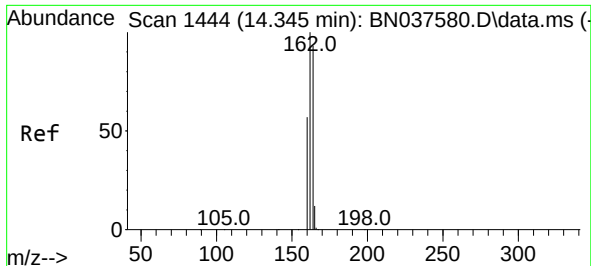
Tgt Ion:152 Resp: 1676
Ion Ratio Lower Upper
152 100
151 109.2 17.3 25.9#



#12
2-Methylnaphthalene
Concen: 0.343 ng
RT: 12.161 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:142 Resp: 3314
Ion Ratio Lower Upper
142 100
141 111.1 71.4 107.0#
115 117.7 30.2 45.4#

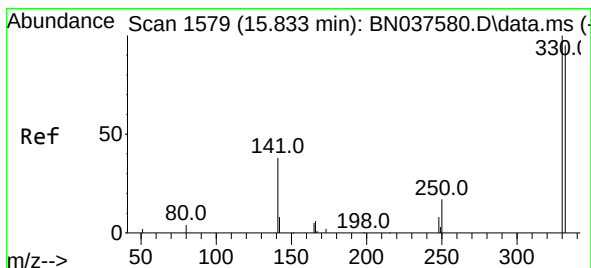
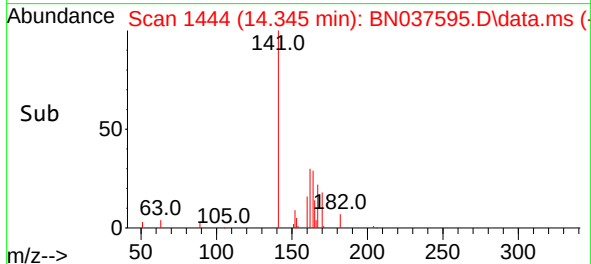
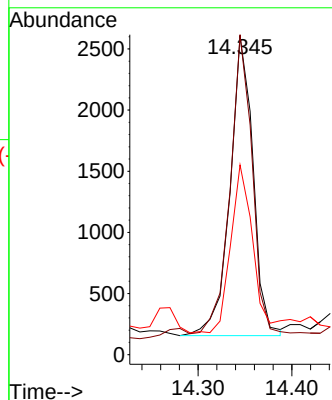
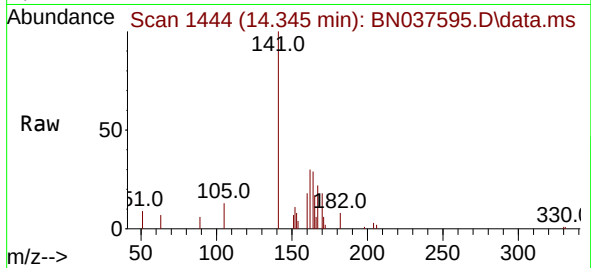




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

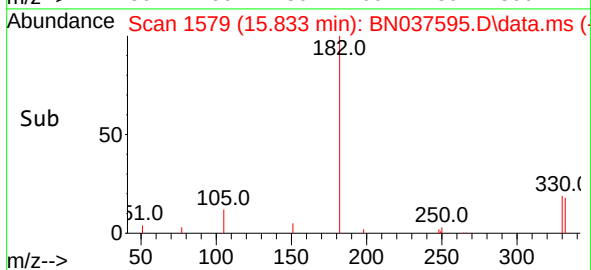
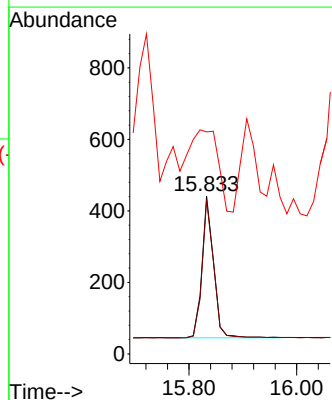
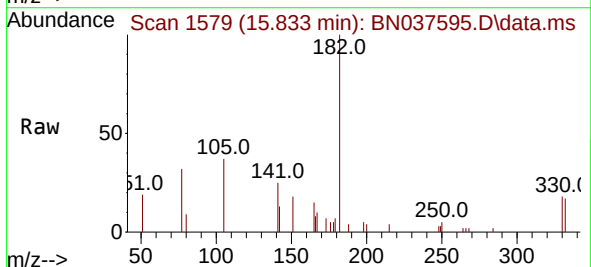
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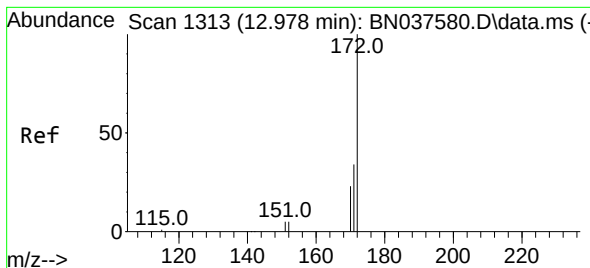
Tgt Ion:164 Resp: 4192
Ion Ratio Lower Upper
164 100
162 100.3 85.5 128.3
160 59.5 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:330 Resp: 591
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 146.4 30.9 46.3#





#15

2-Fluorobiphenyl

Concen: 0.125 ng

RT: 12.973 min Scan# 1313

Delta R.T. -0.005 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

Instrument :

BNA_N

ClientSampleId :

TW1

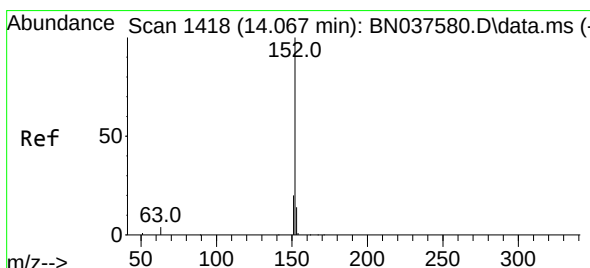
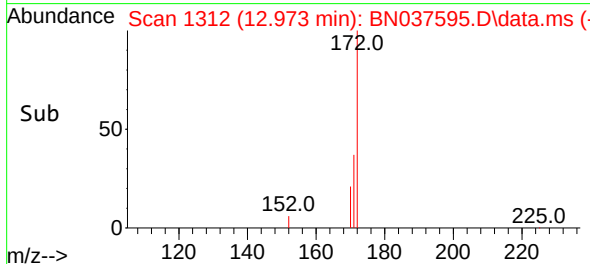
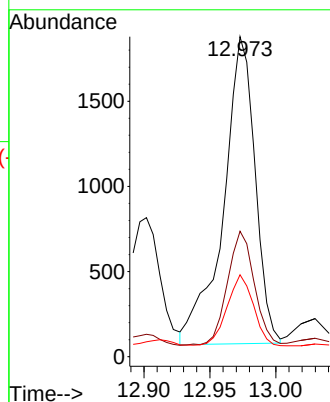
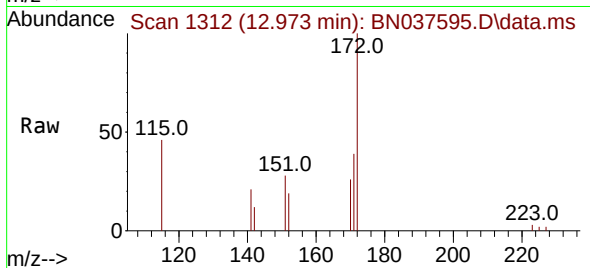
Tgt Ion:172 Resp: 3019

Ion Ratio Lower Upper

172 100

171 39.2 28.2 42.4

170 25.6 19.2 28.8



#16

Acenaphthylene

Concen: 0.478 ng

RT: 14.067 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

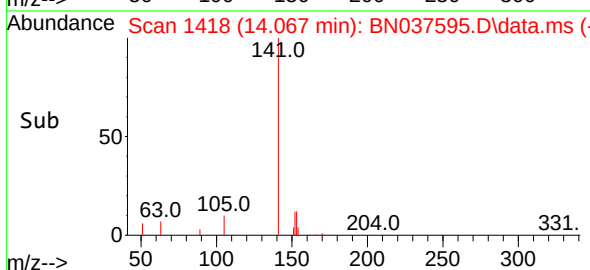
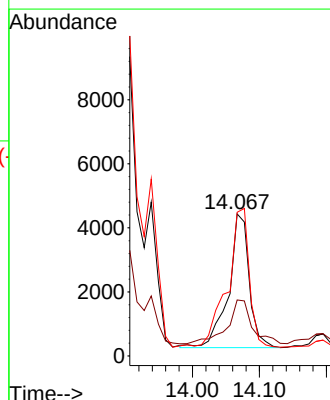
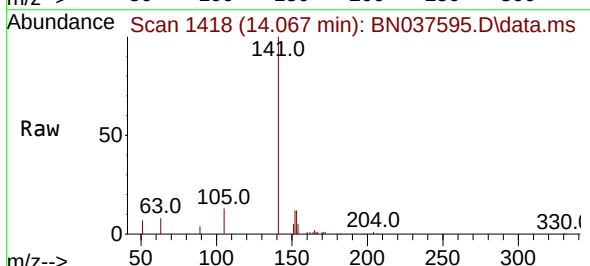
Tgt Ion:152 Resp: 8982

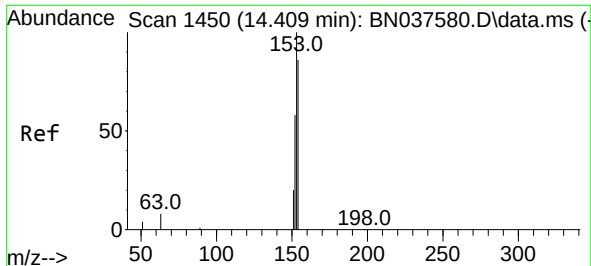
Ion Ratio Lower Upper

152 100

151 40.9 16.1 24.1#

153 109.2 10.7 16.1#

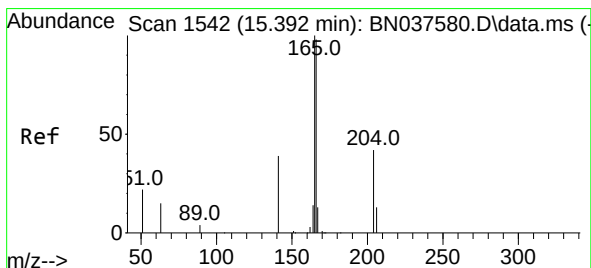
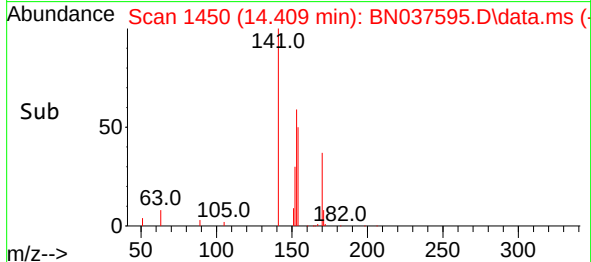
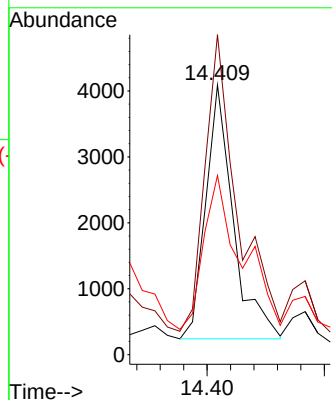
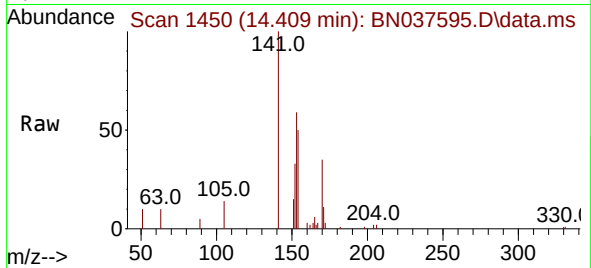




#17
Acenaphthene
Concen: 0.493 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

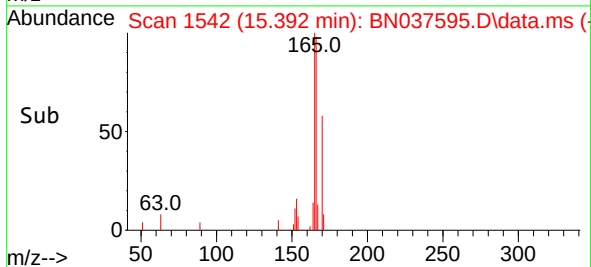
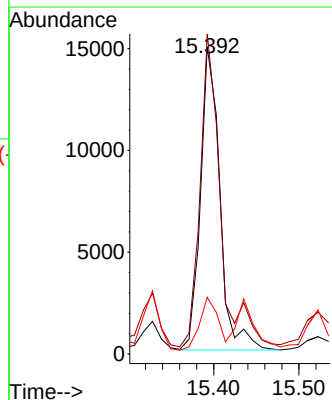
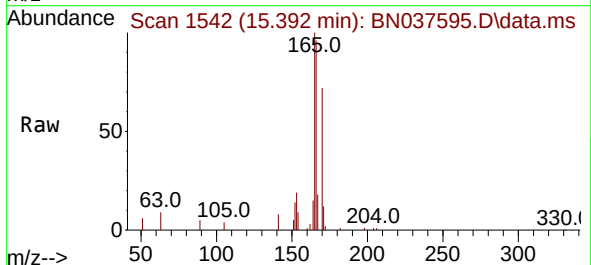
Instrument :
BNA_N
ClientSampleId :
TW1

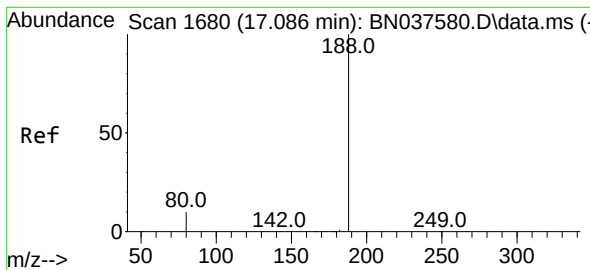
Tgt Ion:154 Resp: 6297
Ion Ratio Lower Upper
154 100
153 142.3 90.6 135.8#
152 82.7 54.9 82.3#



#18
Fluorene
Concen: 1.403 ng
RT: 15.392 min Scan# 1542
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:166 Resp: 23457
Ion Ratio Lower Upper
166 100
165 108.5 78.9 118.3
167 16.7 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

Instrument :

BNA_N

ClientSampleId :

TW1

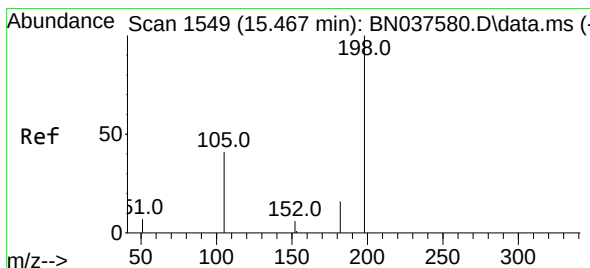
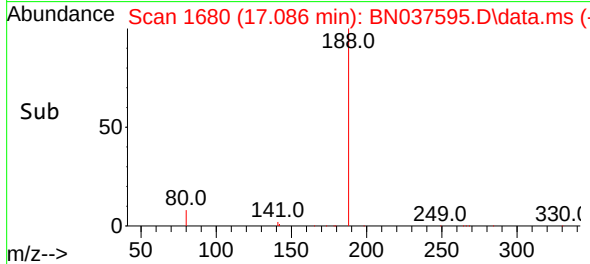
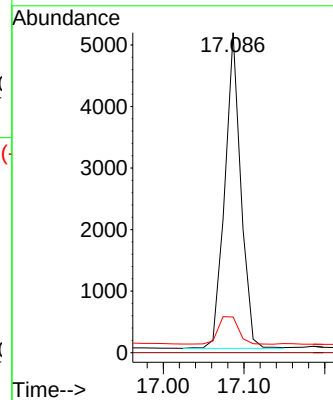
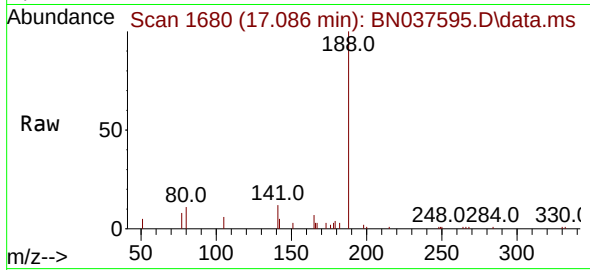
Tgt Ion:188 Resp: 7073

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.2 9.1 13.7



#20

4,6-Dinitro-2-methylphenol

Concen: 0.255 ng

RT: 15.446 min Scan# 1547

Delta R.T. -0.021 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

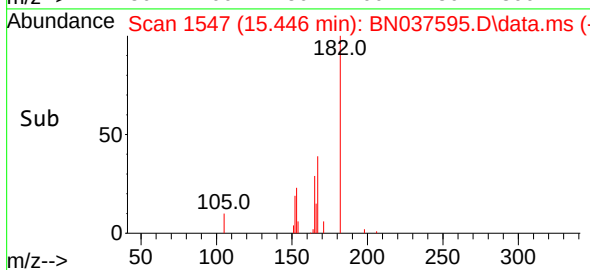
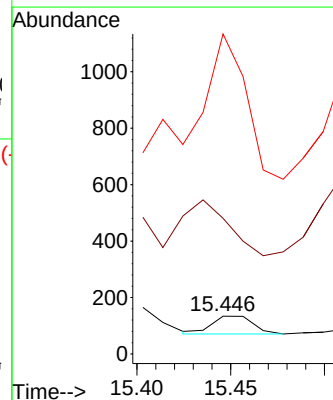
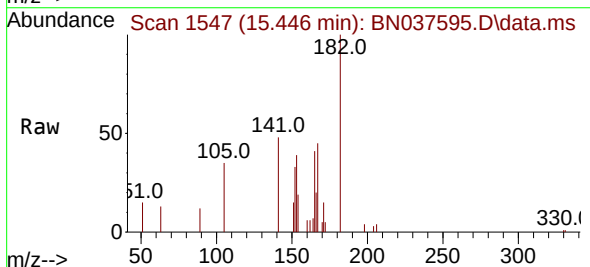
Tgt Ion:198 Resp: 96

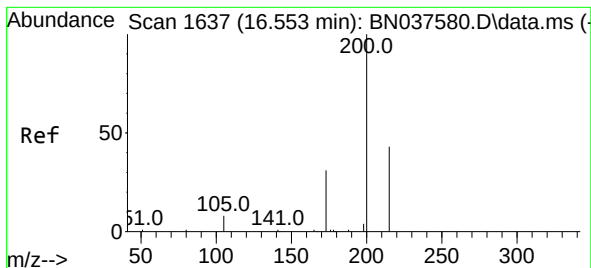
Ion Ratio Lower Upper

198 100

51 359.0 81.0 121.6#

105 846.3 52.5 78.7#





#23

Atrazine

Concen: 0.030 ng

RT: 16.553 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

Instrument :

BNA_N

ClientSampleId :

TW1

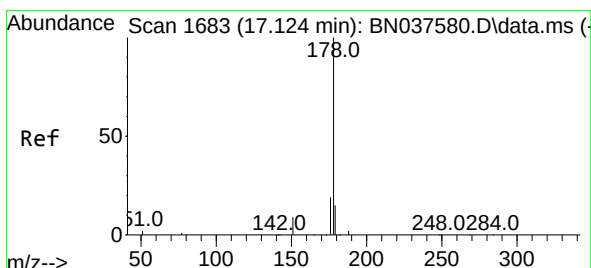
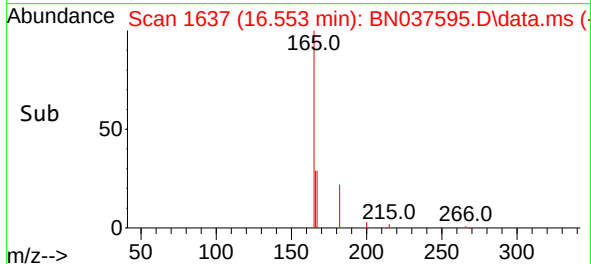
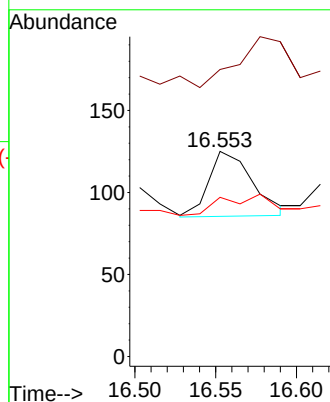
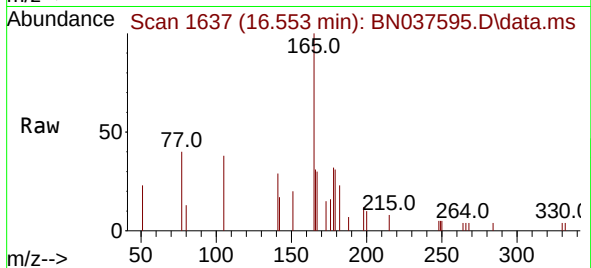
Tgt Ion:200 Resp: 75

Ion Ratio Lower Upper

200 100

173 140.0 31.0 46.4#

215 77.6 39.4 59.0#



#25

Phenanthrene

Concen: 0.250 ng

RT: 17.124 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN037595.D

Acq: 13 Aug 2025 14:45

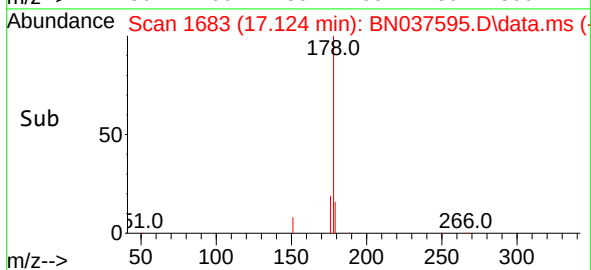
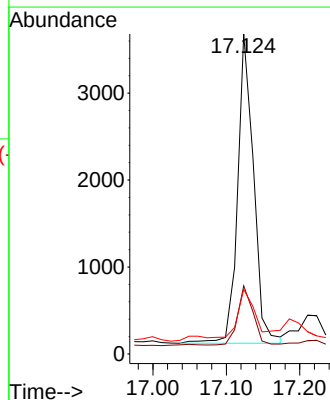
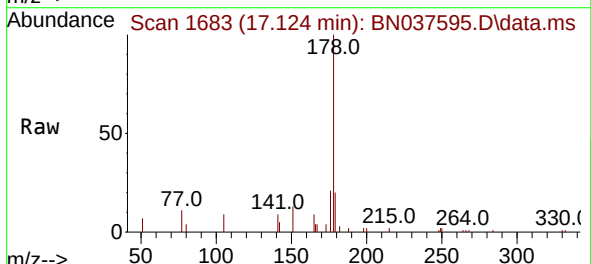
Tgt Ion:178 Resp: 5367

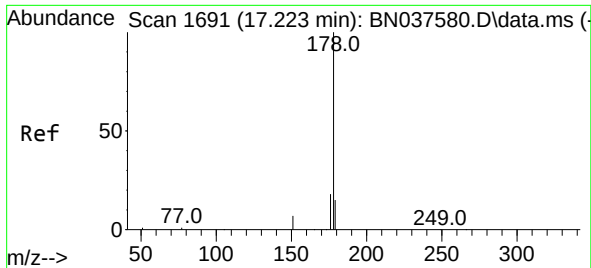
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 18.2 12.3 18.5

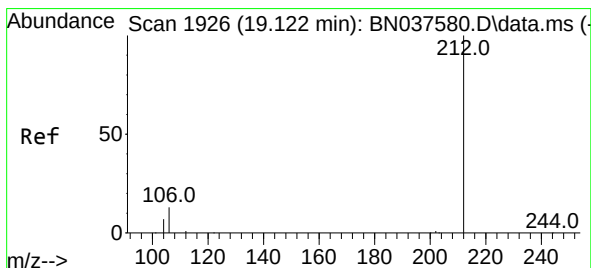
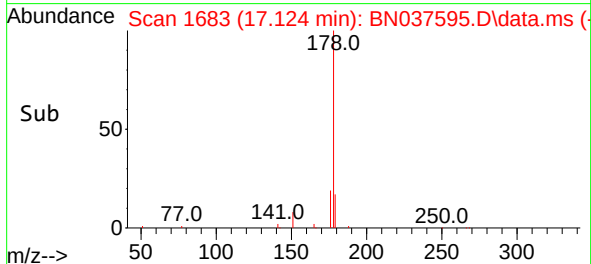
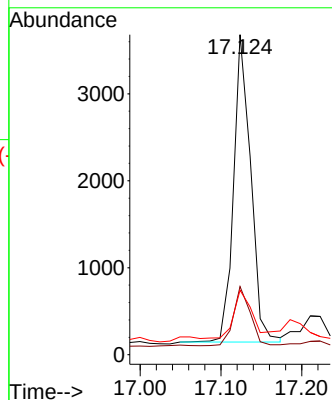
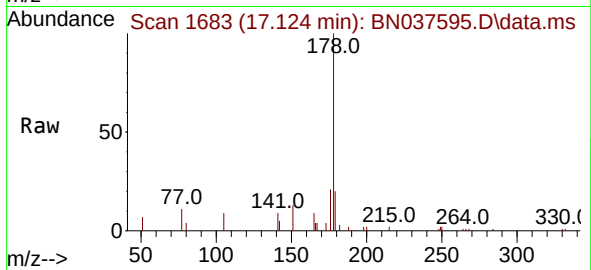




#26
 Anthracene
 Concen: 0.272 ng
 RT: 17.124 min Scan# 1683
 Delta R.T. -0.099 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

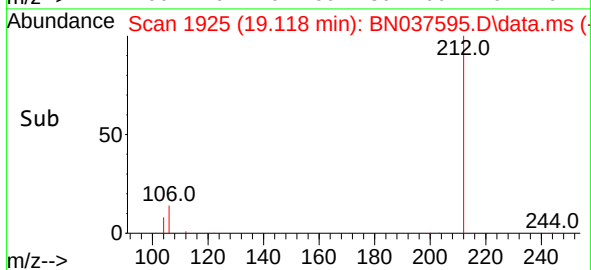
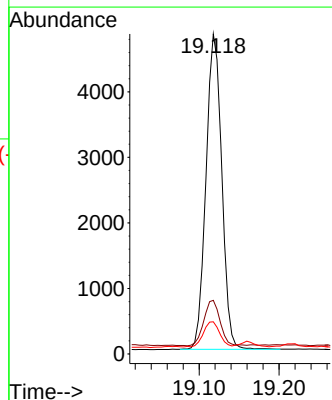
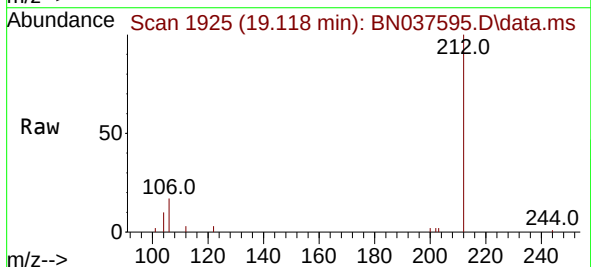
Instrument :
 BNA_N
 ClientSampleId :
 TW1

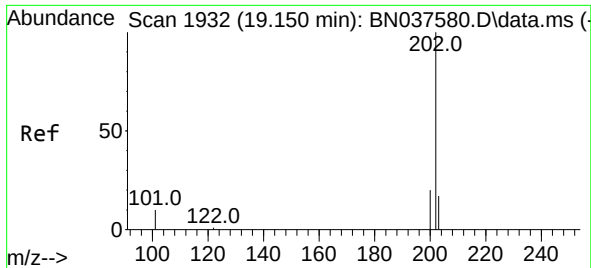
Tgt Ion:178 Resp: 5187
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.7 22.1
 179 17.2 12.3 18.5



#27
 Fluoranthene-d10
 Concen: 0.354 ng
 RT: 19.118 min Scan# 1925
 Delta R.T. -0.005 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

Tgt Ion:212 Resp: 6592
 Ion Ratio Lower Upper
 212 100
 106 14.9 11.5 17.3
 104 8.5 6.6 9.8

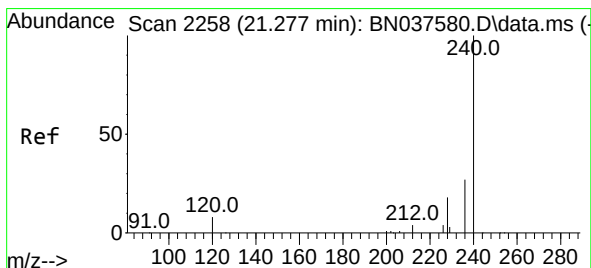
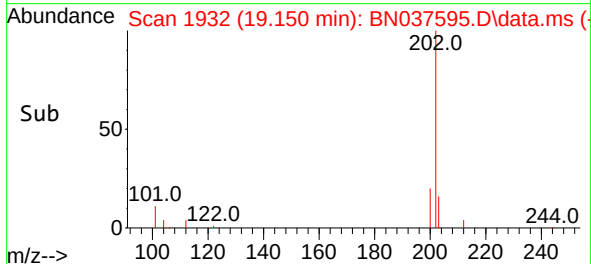
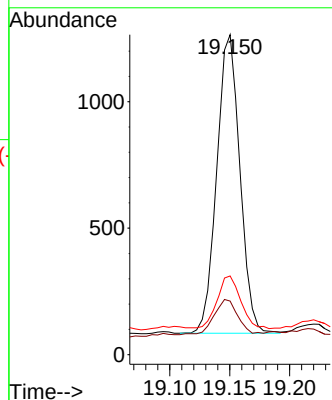
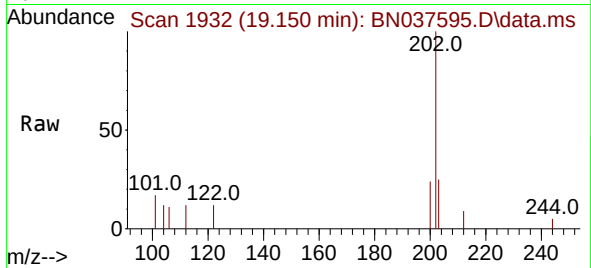




#28
Fluoranthene
Concen: 0.064 ng
RT: 19.150 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

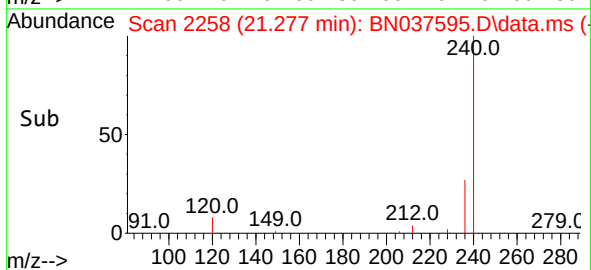
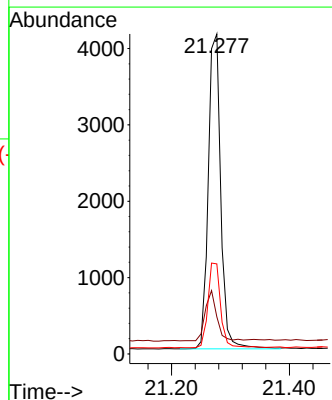
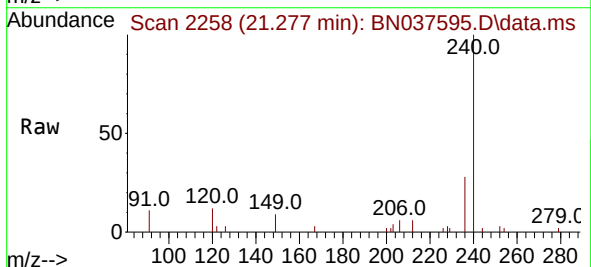
Instrument :
BNA_N
ClientSampleId :
TW1

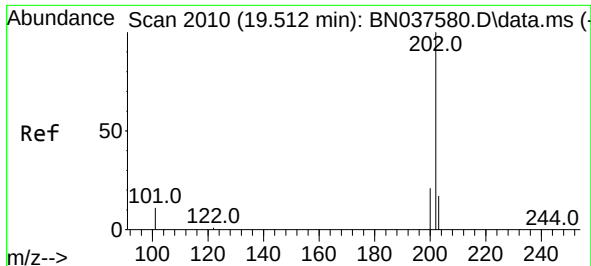
Tgt Ion:	202	Resp:	1581
Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.0	13.6
203	17.4	13.8	20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion:	240	Resp:	6070
Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	28.2	22.6	33.8

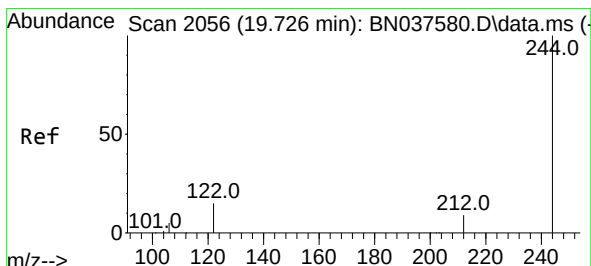
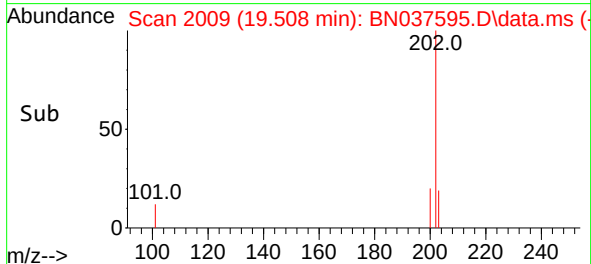
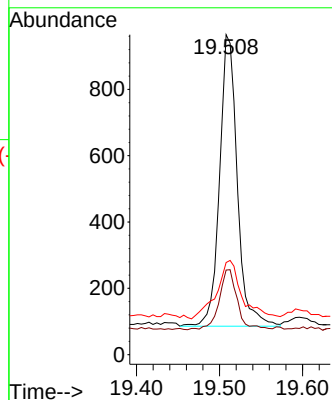
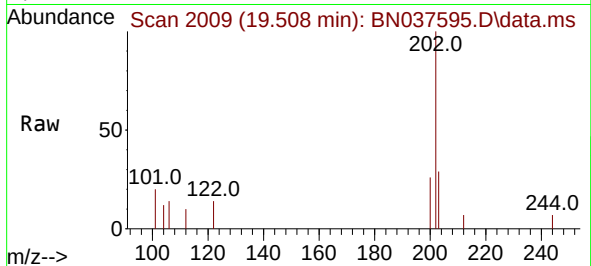




#30
Pyrene
Concen: 0.057 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

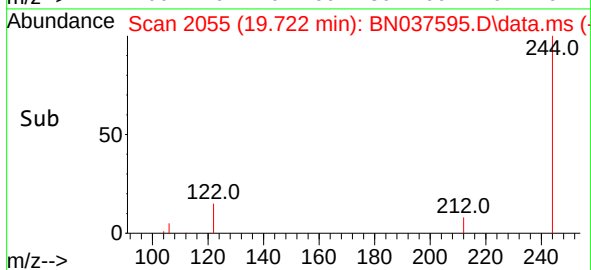
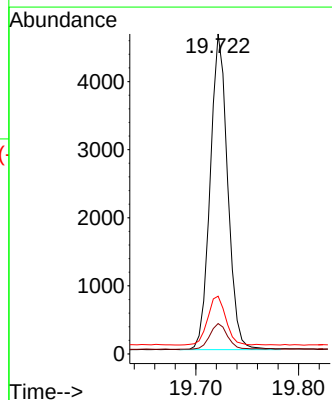
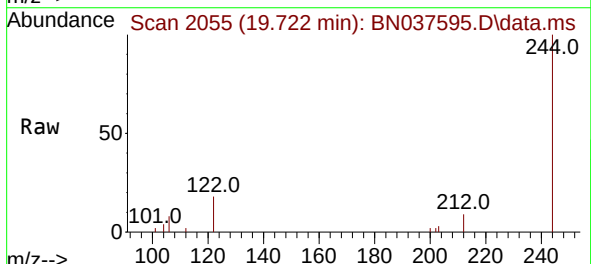
Instrument :
BNA_N
ClientSampleId :
TW1

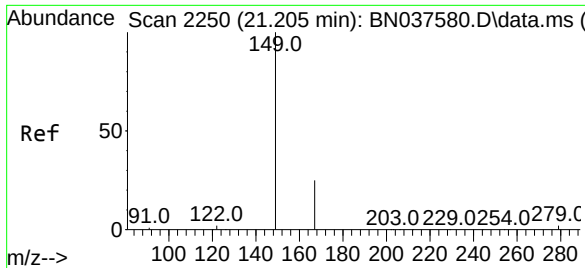
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	29.0	14.3	21.5



#31
Terphenyl-d14
Concen: 0.437 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037595.D
Acq: 13 Aug 2025 14:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	8.2	12.2
122	18.0	13.2	19.8

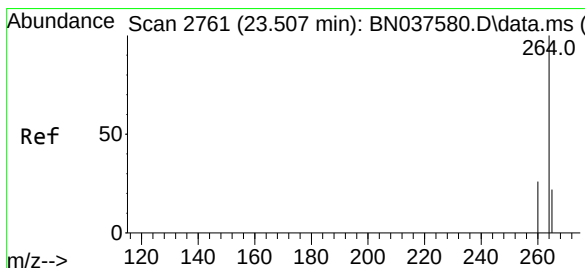
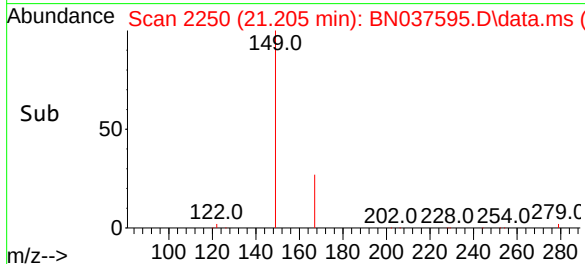
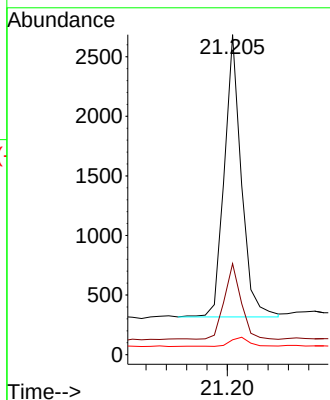
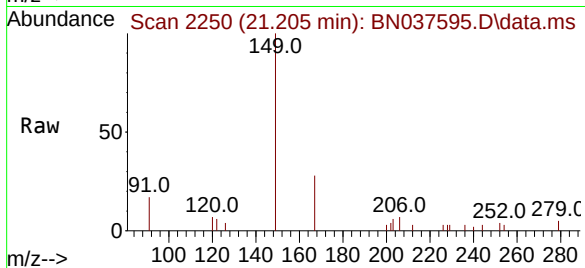




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.328 ng
 RT: 21.205 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

Instrument :
 BNA_N
 ClientSampleId :
 TW1

Tgt Ion:	149	Resp:	2748
Ion Ratio	Lower	Upper	
149	100		
167	26.4	20.5	30.7
279	3.7	2.6	4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.510 min Scan# 2762
 Delta R.T. 0.003 min
 Lab File: BN037595.D
 Acq: 13 Aug 2025 14:45

Tgt Ion:	264	Resp:	5492
Ion Ratio	Lower	Upper	
264	100		
260	26.2	21.6	32.4
265	61.5	48.2	72.4

