

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082825\
 Data File : BN037651.D
 Acq On : 28 Aug 2025 11:18
 Operator : RC/JU
 Sample : Q2937-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP303-20250821

Quant Time: Aug 28 12:21:11 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)

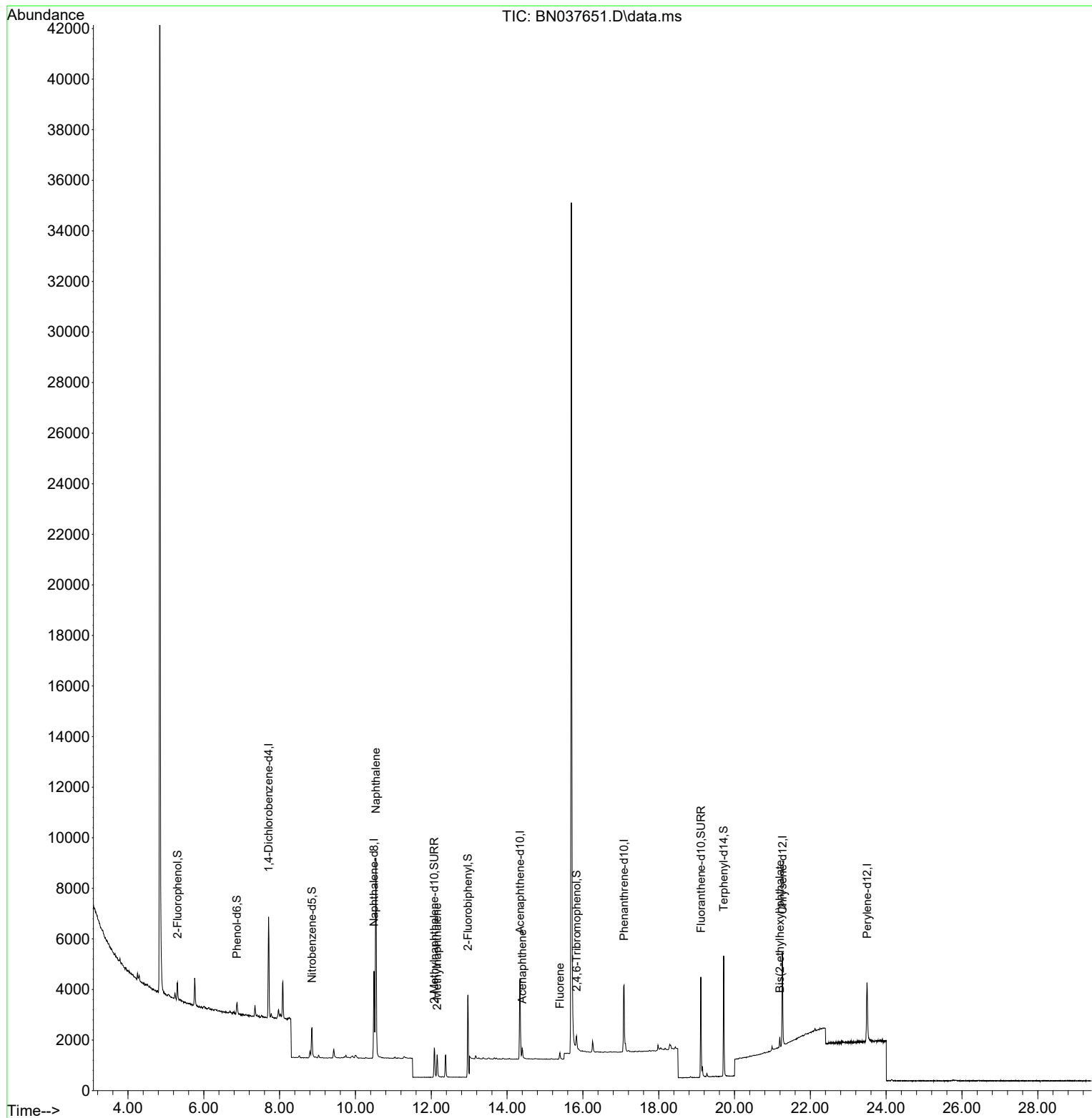
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1972	0.400	ng	0.00
7) Naphthalene-d8	10.488	136	4616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2088	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4583	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3870	0.400	ng	0.00
35) Perylene-d12	23.496	264	3373	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	585	0.131	ng	0.00
5) Phenol-d6	6.872	99	438	0.081	ng	0.00
8) Nitrobenzene-d5	8.854	82	1079	0.332	ng	0.00
11) 2-Methylnaphthalene-d10	12.081	152	1739	0.277	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	360	0.394	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	4316	0.357	ng	0.00
27) Fluoranthene-d10	19.113	212	4600	0.382	ng	0.00
31) Terphenyl-d14	19.713	244	4586	0.576	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.541	128	10663	0.868	ng	99
12) 2-Methylnaphthalene	12.157	142	677	0.088	ng	96
17) Acenaphthene	14.398	154	201	0.032	ng	97
18) Fluorene	15.393	166	175	0.021	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.196	149	512	0.096	ng	94

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

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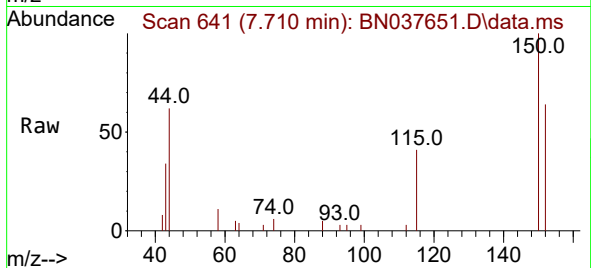
Quant Time: Aug 28 12:21:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



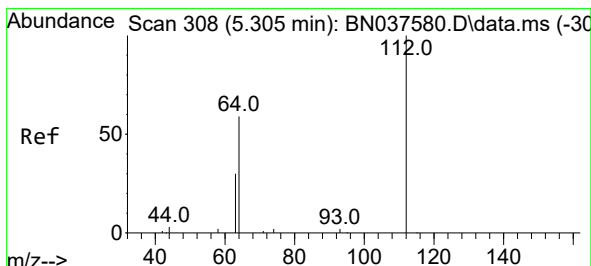
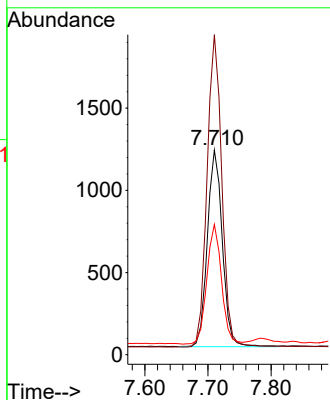
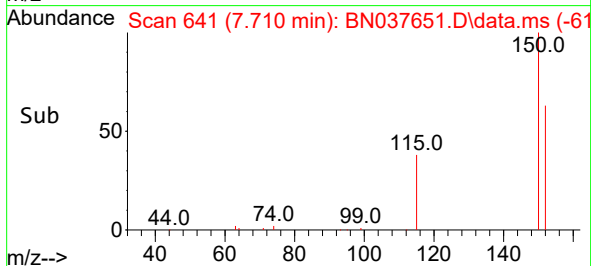


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 642
Delta R.T. -0.007 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Instrument :
BNA_N
ClientSampleId :
RW8-SP303-20250821

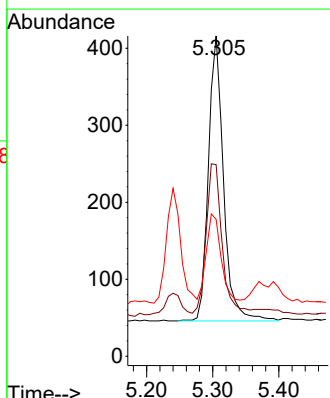
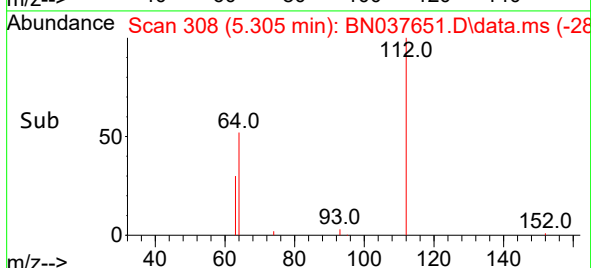
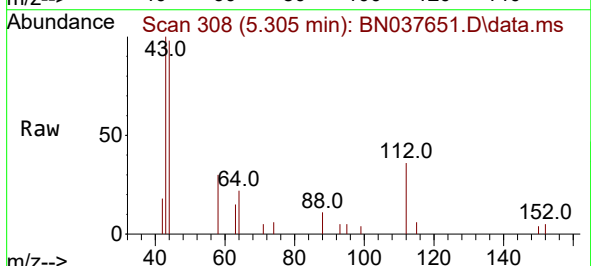


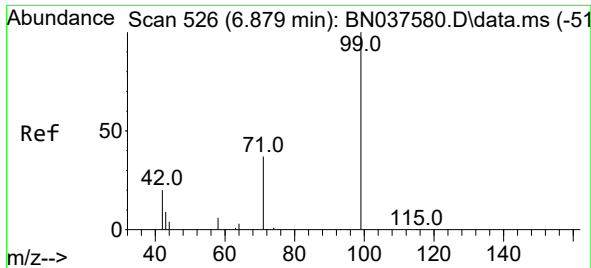
Tgt Ion:152 Resp: 1972
Ion Ratio Lower Upper
152 100
150 156.4 122.2 183.4
115 63.7 49.8 74.6



#4
2-Fluorophenol
Concen: 0.131 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion:112 Resp: 585
Ion Ratio Lower Upper
112 100
64 54.4 44.9 67.3
63 31.3 23.4 35.2

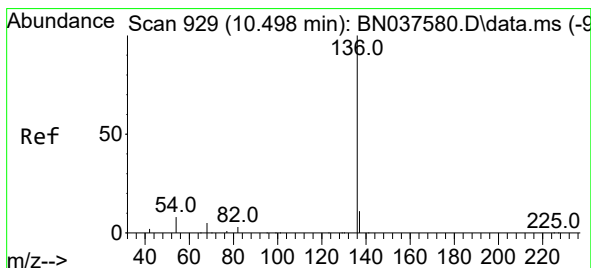
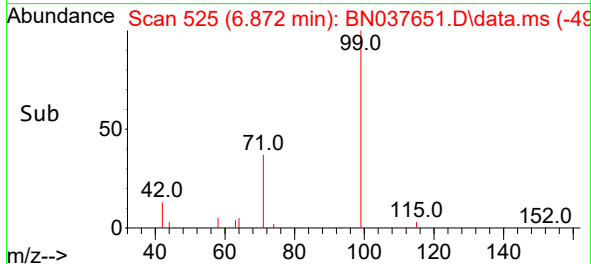
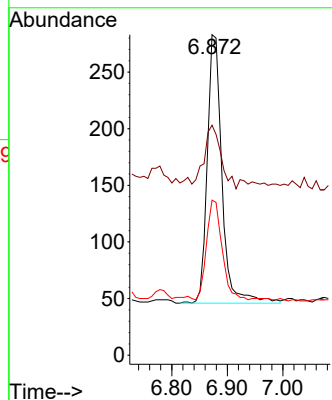
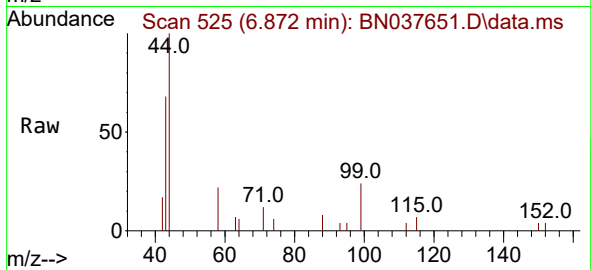




#5
Phenol-d6
Concen: 0.081 ng
RT: 6.872 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

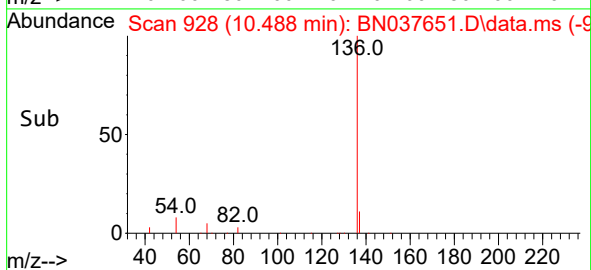
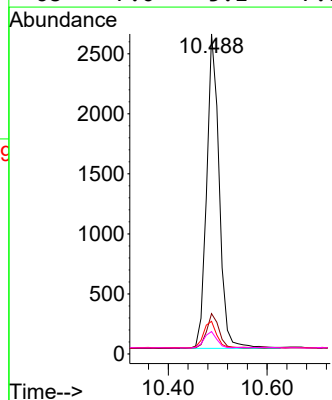
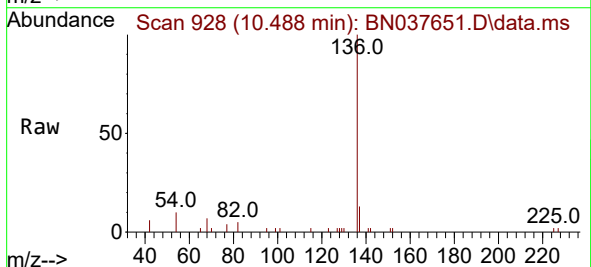
Instrument :
BNA_N
ClientSampleId :
RW8-SP303-20250821

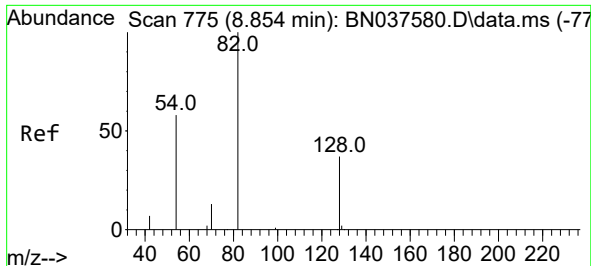
Tgt Ion: 99 Resp: 438
Ion Ratio Lower Upper
99 100
42 26.9 18.5 27.7
71 38.8 28.6 42.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.488 min Scan# 928
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion: 136 Resp: 4616
Ion Ratio Lower Upper
136 100
137 12.6 9.5 14.3
54 10.2 7.3 10.9
68 7.0 5.1 7.7

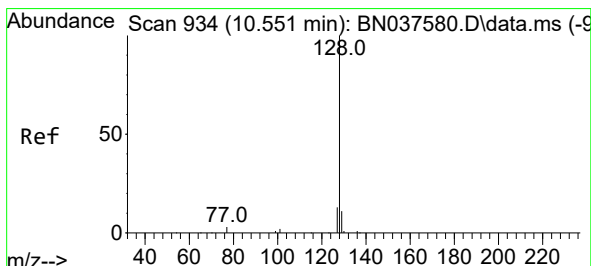
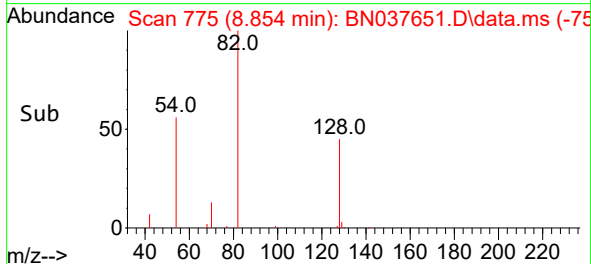
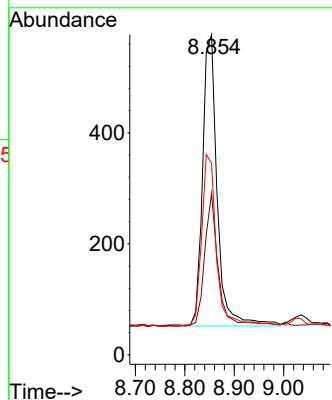
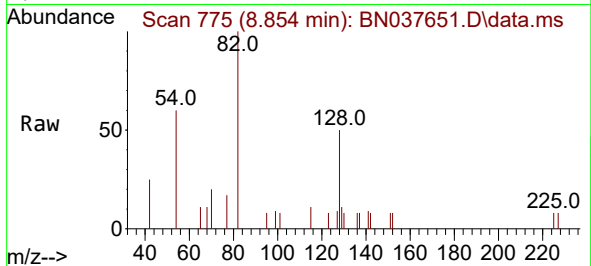




#8
Nitrobenzene-d5
Concen: 0.332 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

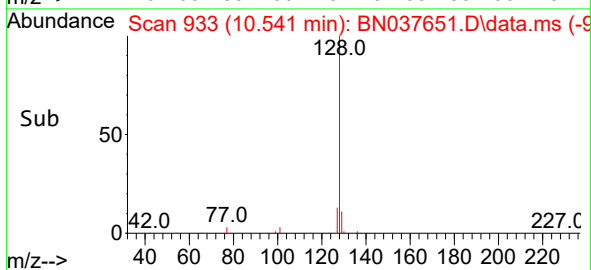
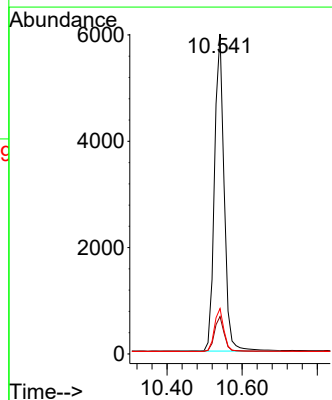
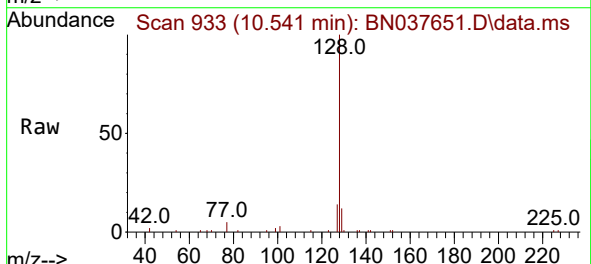
Instrument :
BNA_N
ClientSampleId :
RW8-SP303-20250821

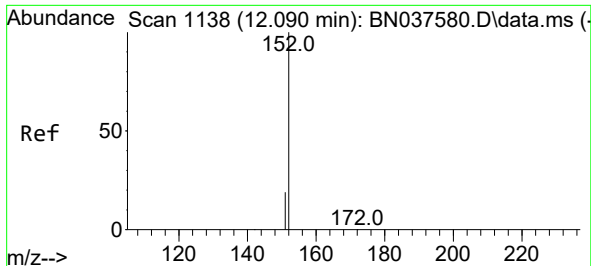
Tgt Ion: 82 Resp: 1079
Ion Ratio Lower Upper
82 100
128 50.4 32.6 48.8#
54 59.8 48.9 73.3



#9
Naphthalene
Concen: 0.868 ng
RT: 10.541 min Scan# 933
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion: 128 Resp: 10663
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.6
127 14.2 11.5 17.3

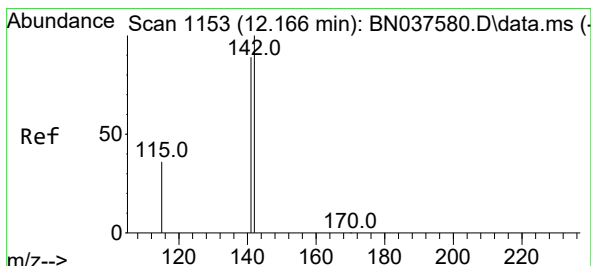
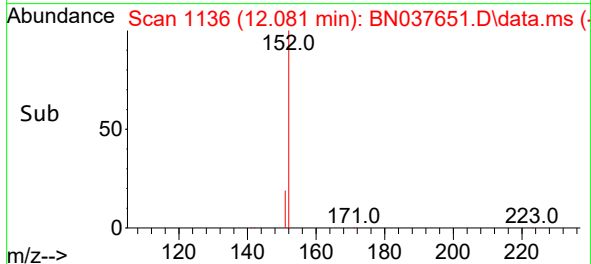
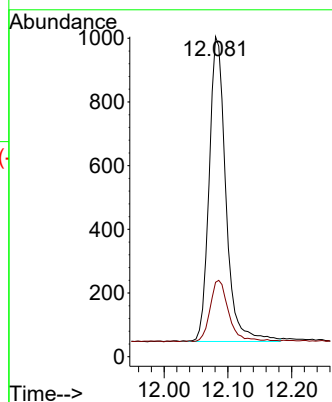
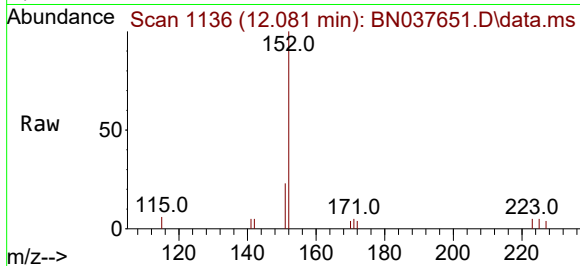




#11
2-Methylnaphthalene-d10
Concen: 0.277 ng
RT: 12.081 min Scan# 1136
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

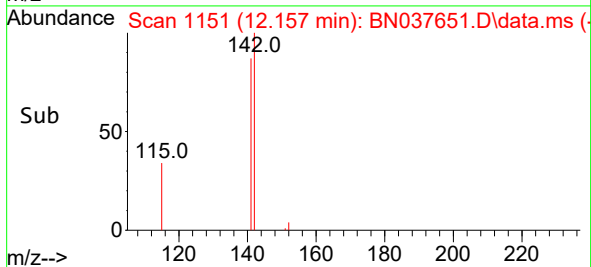
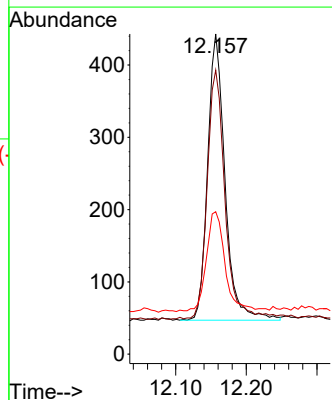
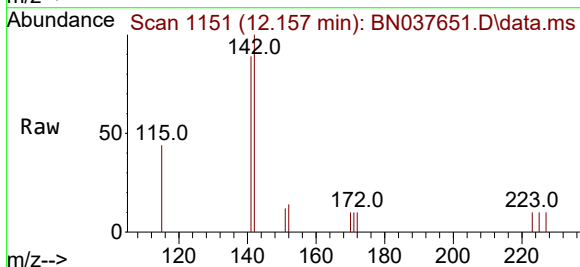
Instrument :
BNA_N
ClientSampleId :
RW8-SP303-20250821

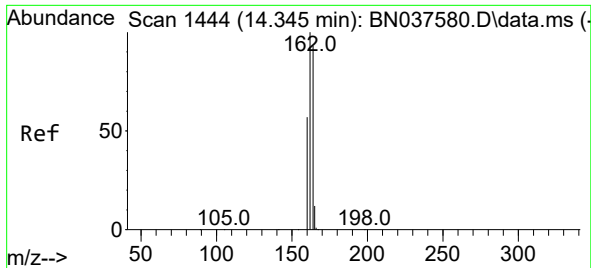
Tgt Ion:152 Resp: 1739
Ion Ratio Lower Upper
152 100
151 22.1 17.3 25.9



#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.157 min Scan# 1151
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion:142 Resp: 677
Ion Ratio Lower Upper
142 100
141 88.7 71.4 107.0
115 44.5 30.2 45.4

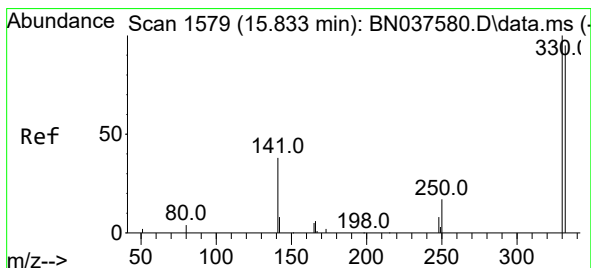
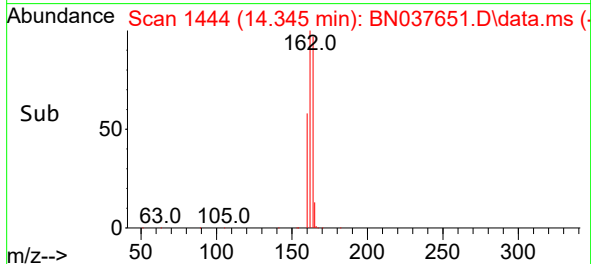
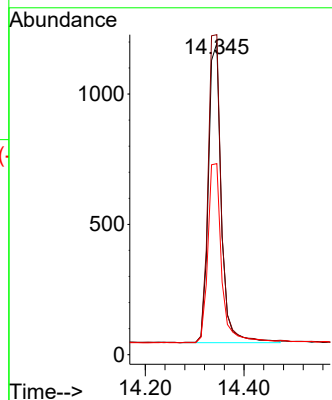
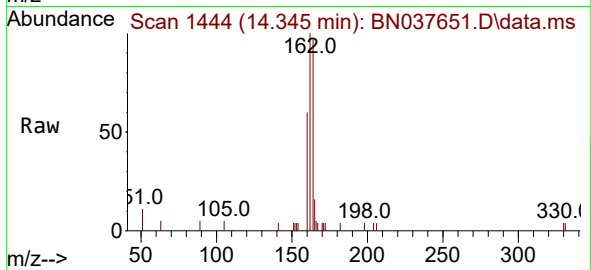




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

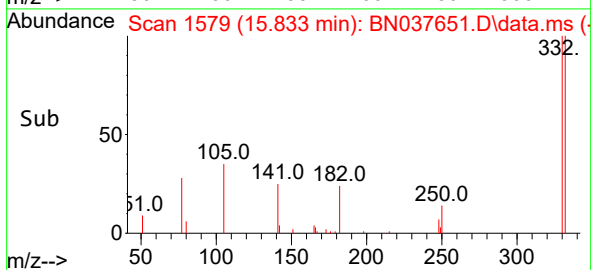
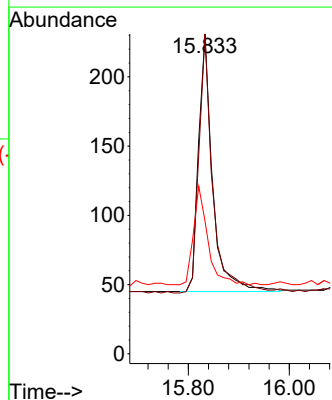
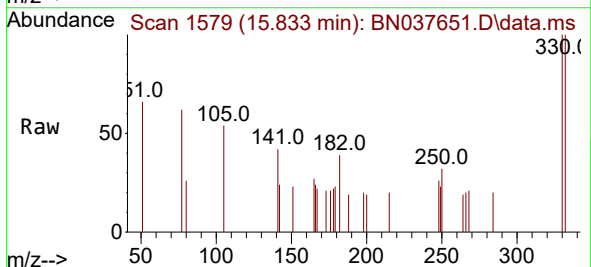
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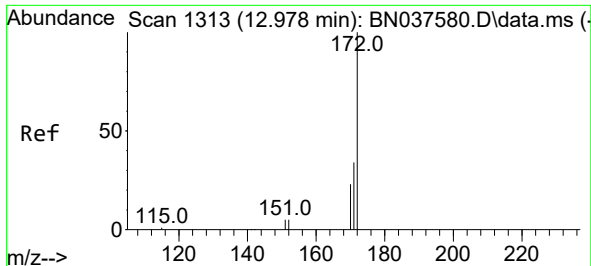
Tgt Ion:164 Resp: 2088
Ion Ratio Lower Upper
164 100
162 102.8 85.5 128.3
160 61.3 49.5 74.3



#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion:330 Resp: 360
Ion Ratio Lower Upper
330 100
332 100.0 77.4 116.0
141 40.3 30.9 46.3

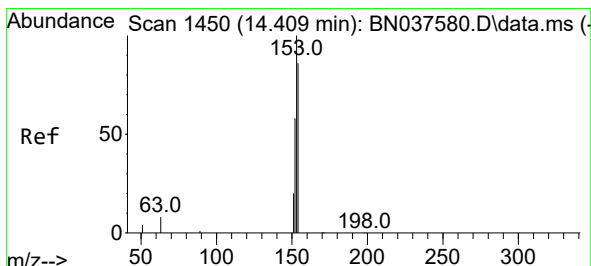
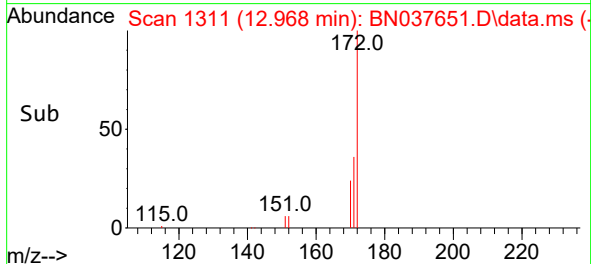
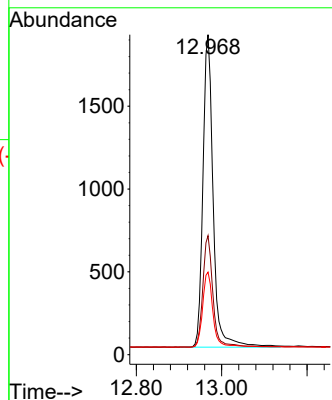
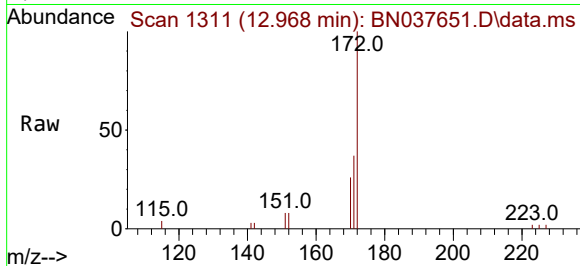




#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

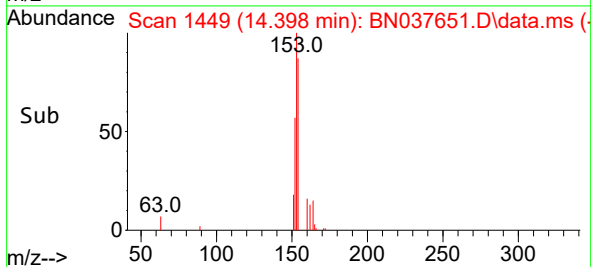
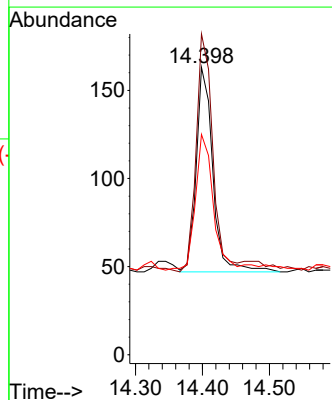
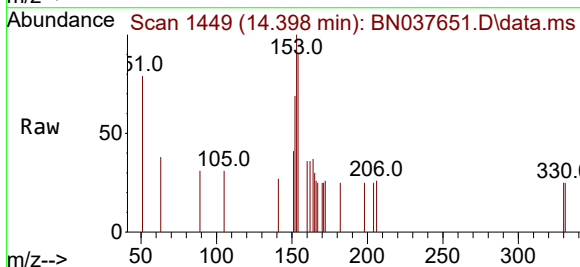
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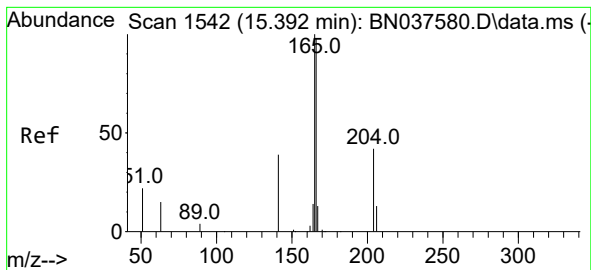
Tgt Ion:	172	Resp:	4316
Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.2	42.4
170	25.8	19.2	28.8



#17
Acenaphthene
Concen: 0.032 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.010 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

Tgt Ion:	154	Resp:	201
Ion	Ratio	Lower	Upper
154	100		
153	115.9	90.6	135.8
152	70.6	54.9	82.3





#18

Fluorene

Concen: 0.021 ng

RT: 15.393 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037651.D

Acq: 28 Aug 2025 11:18

Instrument :

BNA_N

ClientSampleId :

RW8-SP303-20250821

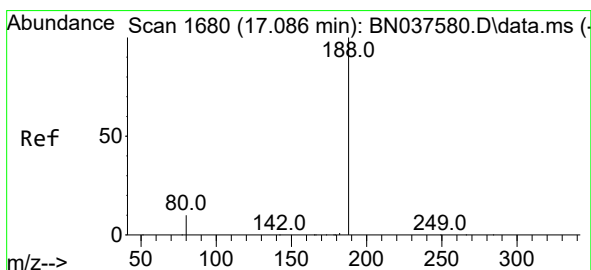
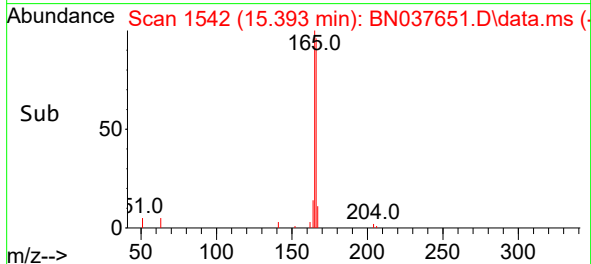
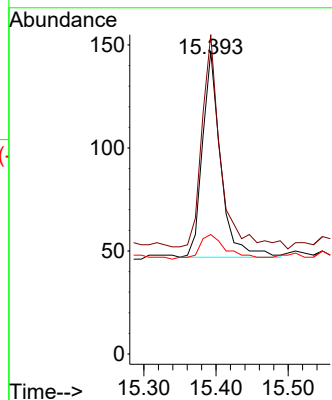
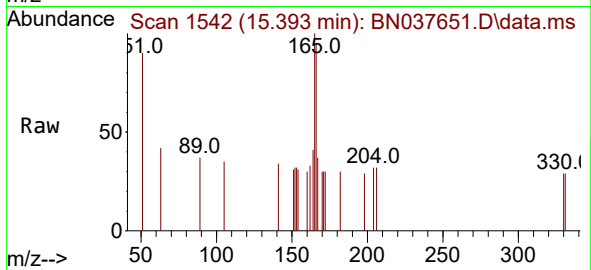
Tgt Ion:166 Resp: 175

Ion Ratio Lower Upper

166 100

165 108.6 78.9 118.3

167 17.7 10.7 16.1#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.087 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BN037651.D

Acq: 28 Aug 2025 11:18

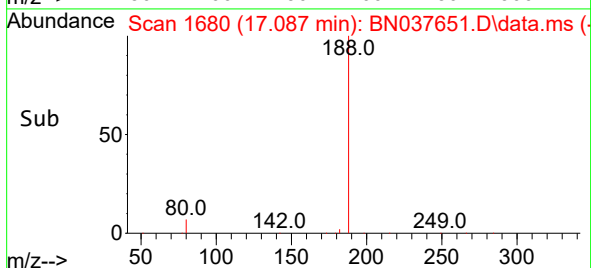
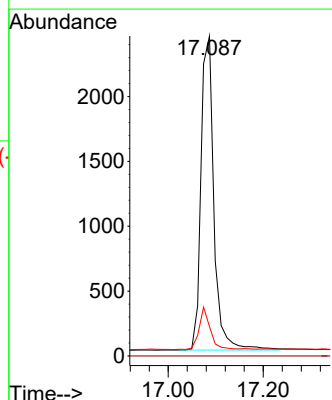
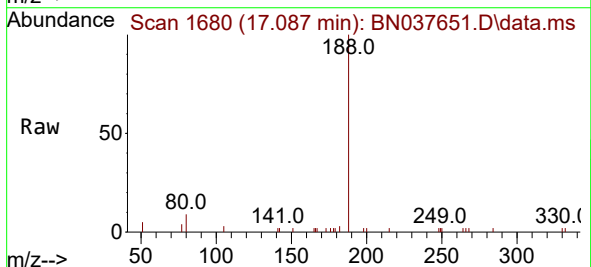
Tgt Ion:188 Resp: 4583

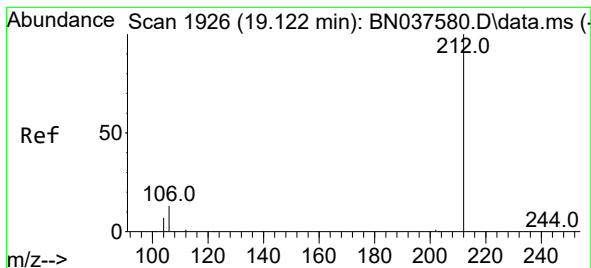
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.2 9.1 13.7





#27

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.113 min Scan# 1924

Delta R.T. -0.009 min

Lab File: BN037651.D

Acq: 28 Aug 2025 11:18

Instrument :

BNA_N

ClientSampleId :

RW8-SP303-20250821

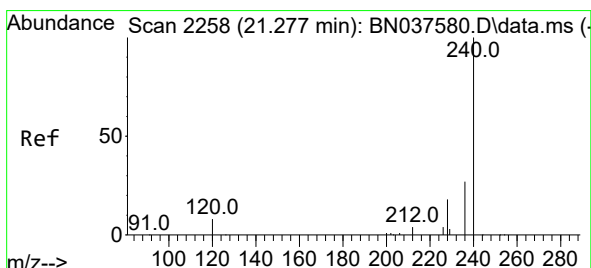
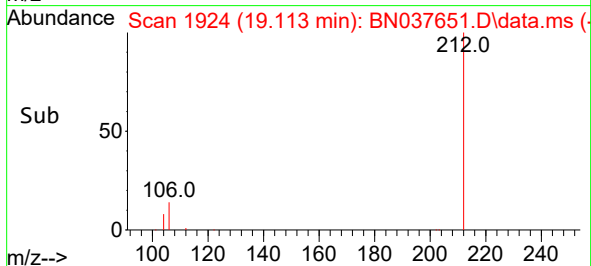
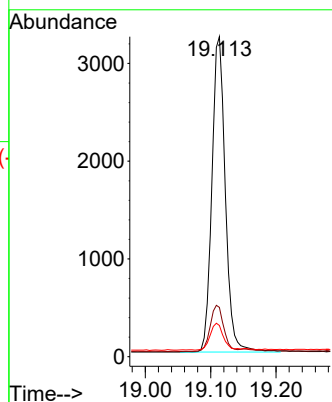
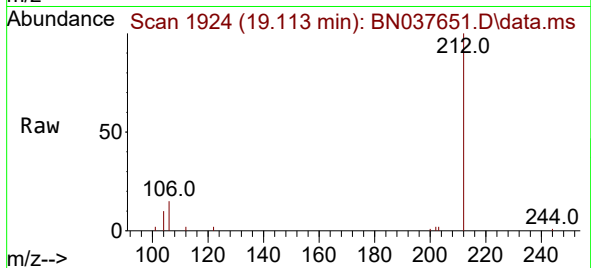
Tgt Ion:212 Resp: 4600

Ion Ratio Lower Upper

212 100

106 14.8 11.5 17.3

104 8.4 6.6 9.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 2257

Delta R.T. -0.009 min

Lab File: BN037651.D

Acq: 28 Aug 2025 11:18

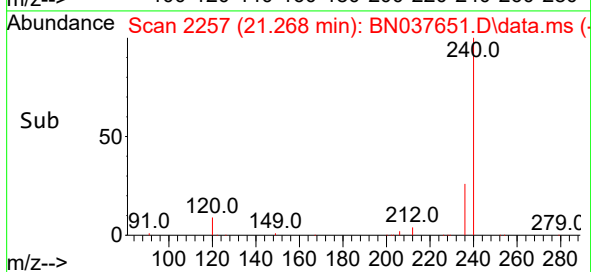
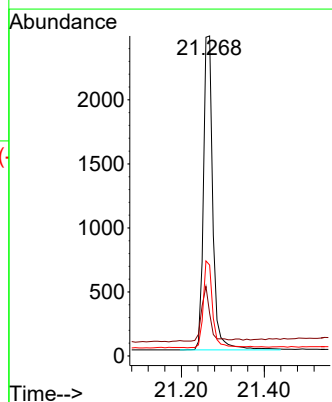
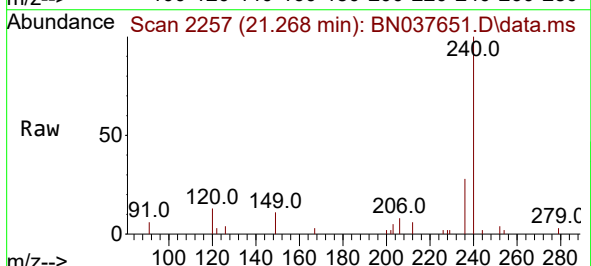
Tgt Ion:240 Resp: 3870

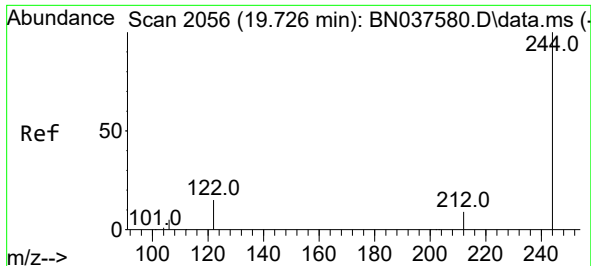
Ion Ratio Lower Upper

240 100

120 13.3 8.9 13.3

236 28.4 22.6 33.8

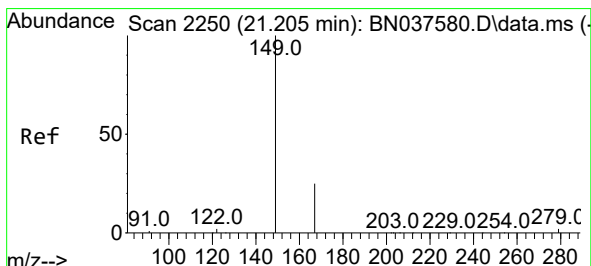
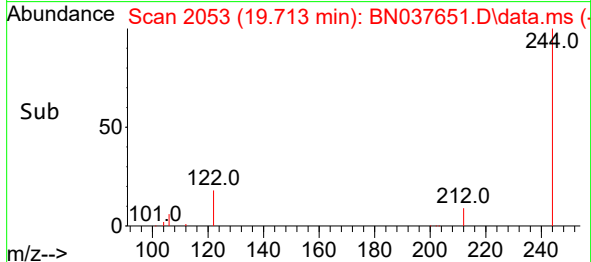
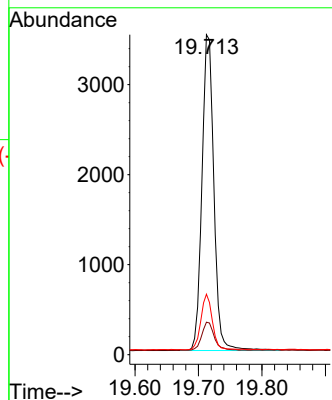
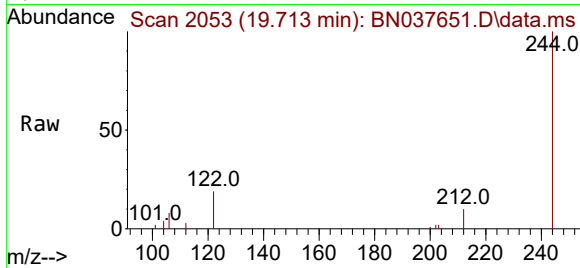




#31
Terphenyl-d14
Concen: 0.576 ng
RT: 19.713 min Scan# 2053
Delta R.T. -0.014 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

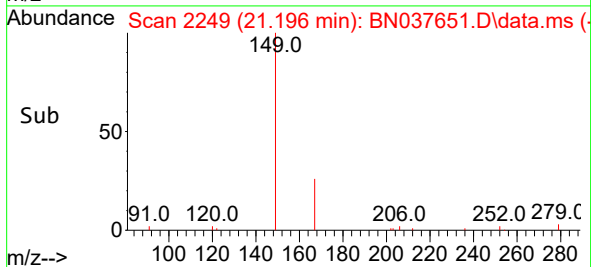
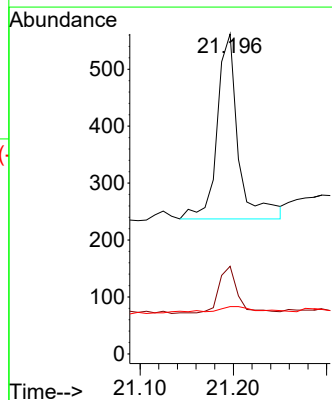
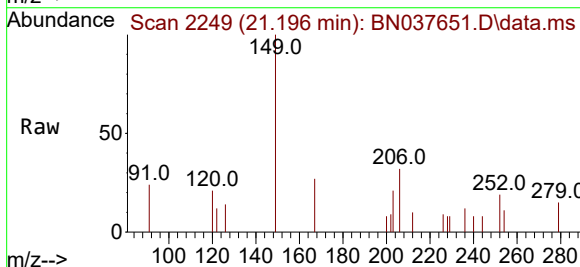
Instrument :
BNA_N
ClientSampleId :
RW8-SP303-20250821

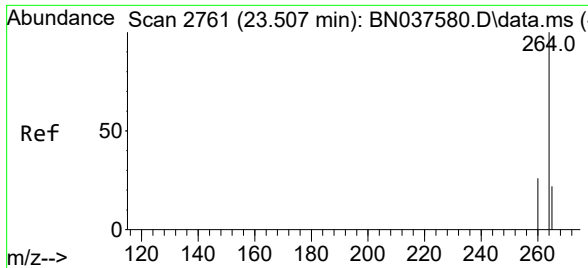
Tgt Ion:244 Resp: 4586
Ion Ratio Lower Upper
244 100
212 10.1 8.2 12.2
122 18.9 13.2 19.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.009 min
Lab File: BN037651.D
Acq: 28 Aug 2025 11:18

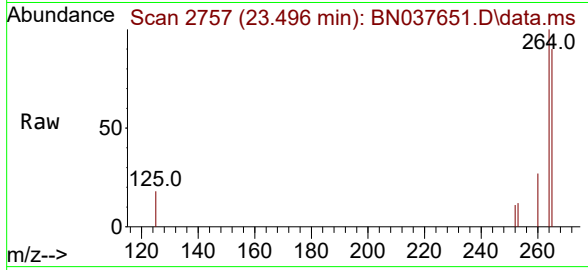
Tgt Ion:149 Resp: 512
Ion Ratio Lower Upper
149 100
167 22.1 20.5 30.7
279 3.5 2.6 4.0





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.496 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BN037651.D
 Acq: 28 Aug 2025 11:18

Instrument :
 BNA_N
 ClientSampleId :
 RW8-SP303-20250821



Tgt Ion:264 Resp: 3373

Ion	Ratio	Lower	Upper
264	100		
260	27.5	21.6	32.4
265	90.4	48.2	72.4

