

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
 Data File : BN037016.D
 Acq On : 14 May 2025 17:24
 Operator : RC/JU
 Sample : Q2012-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250509

Quant Time: May 14 17:50:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

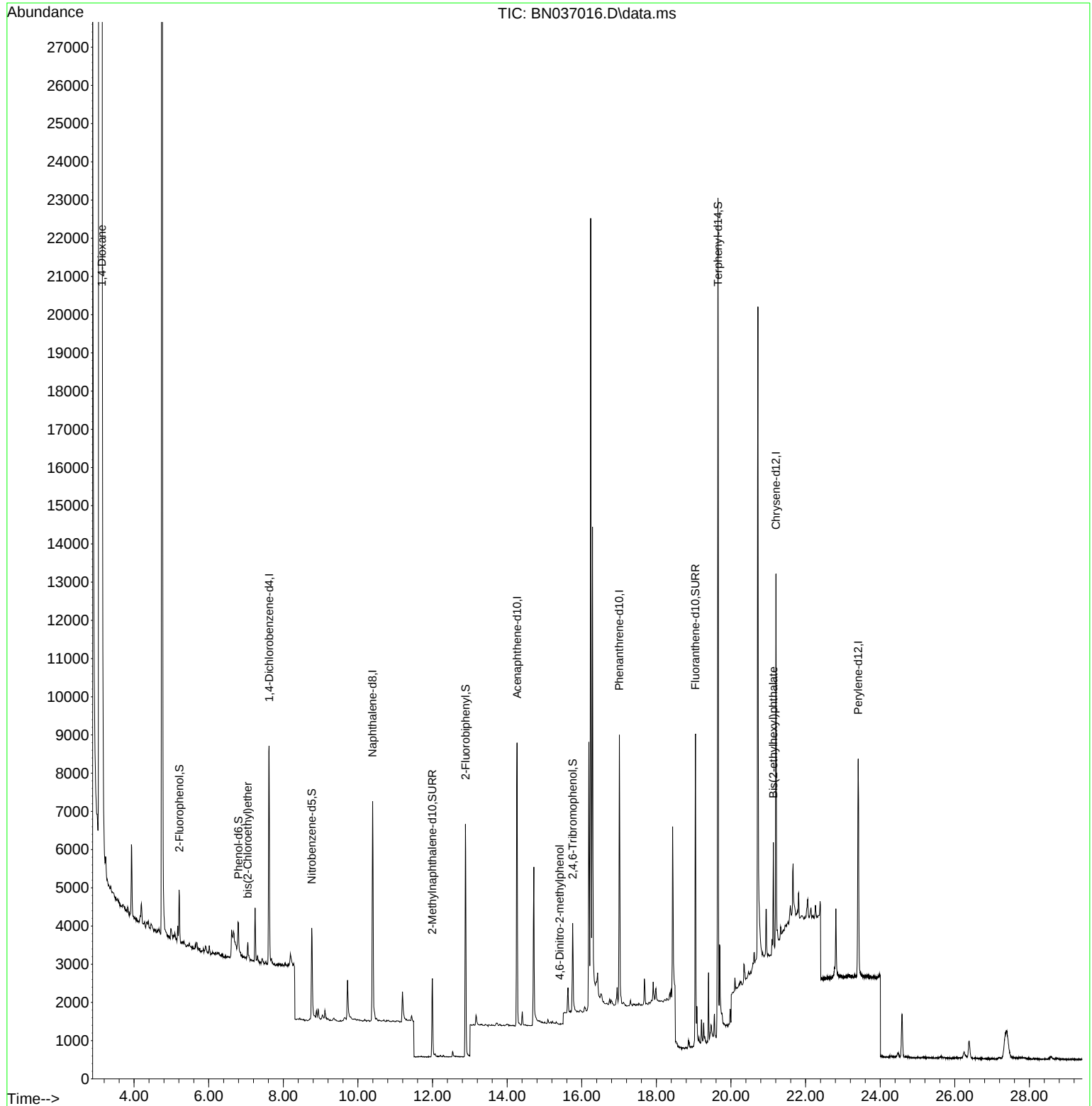
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2690	0.400	ng	0.00
7) Naphthalene-d8	10.393	136	7455	0.400	ng	#-0.01
13) Acenaphthene-d10	14.266	164	4248	0.400	ng	0.00
19) Phenanthrene-d10	17.008	188	8916	0.400	ng	0.00
29) Chrysene-d12	21.206	240	8141	0.400	ng	# 0.00
35) Perylene-d12	23.409	264	7661	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	939	0.133	ng	0.00
5) Phenol-d6	6.795	99	666	0.076	ng	0.00
8) Nitrobenzene-d5	8.760	82	2257	0.278	ng	-0.01
11) 2-Methylnaphthalene-d10	11.996	152	3042	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	1178	0.631	ng	-0.01
15) 2-Fluorobiphenyl	12.883	172	6020	0.309	ng	0.00
27) Fluoranthene-d10	19.049	212	9002	0.368	ng	0.00
31) Terphenyl-d14	19.653	244	18496	1.062	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.133	88	17827	5.401	ng	Qvalue 98
6) bis(2-Chloroethyl)ether	7.048	93	325	0.040	ng	98
20) 4,6-Dinitro-2-methylph...	15.410	198	1	0.024	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.135	149	2231	0.118	ng	# 99

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

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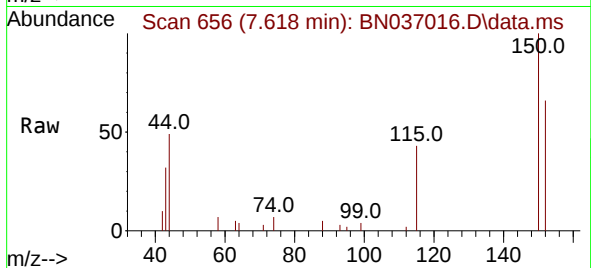
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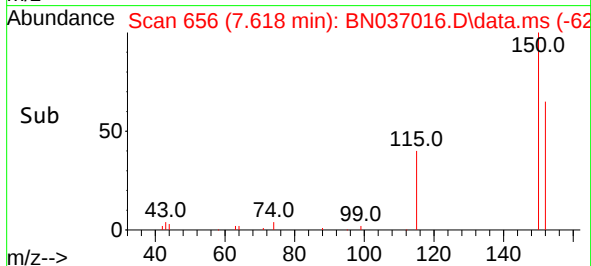
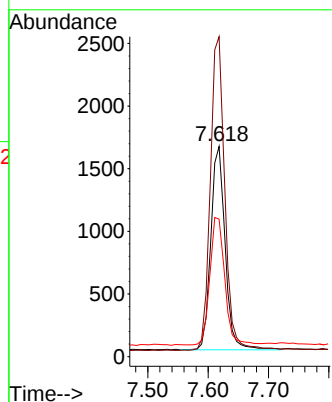
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.618 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250509



Tgt Ion:152 Resp: 2690

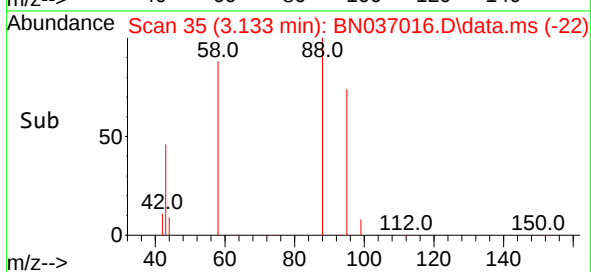
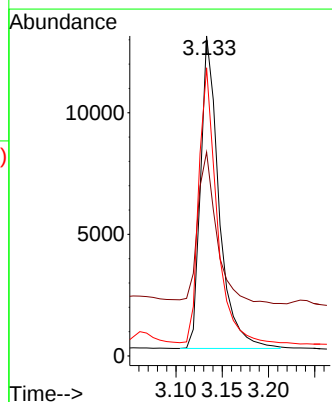
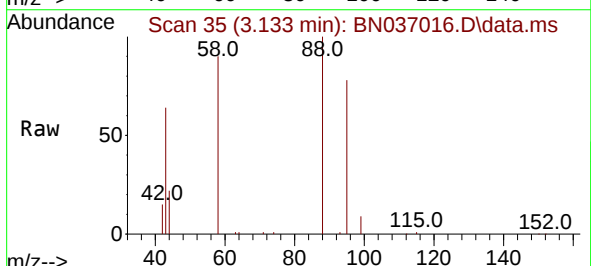
Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.9	185.9
115	65.4	55.8	83.8

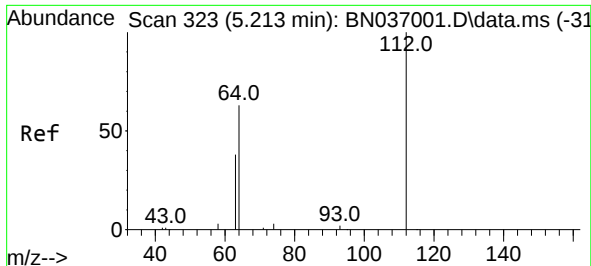


#2
 1,4-Dioxane
 Concen: 5.401 ng
 RT: 3.133 min Scan# 35
 Delta R.T. -0.007 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

Tgt Ion: 88 Resp: 17827

Ion	Ratio	Lower	Upper
88	100		
43	49.8	37.4	56.0
58	85.6	68.8	103.2





#4

2-Fluorophenol

Concen: 0.133 ng

RT: 5.213 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250509

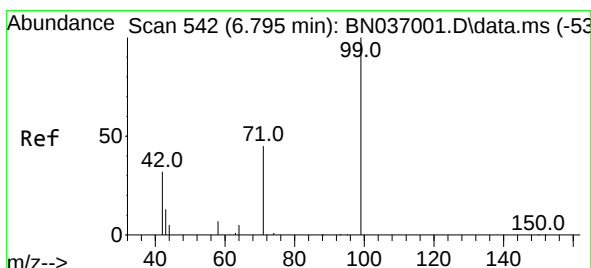
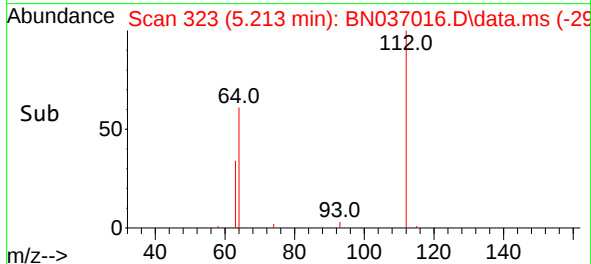
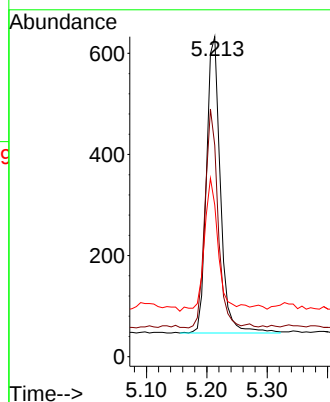
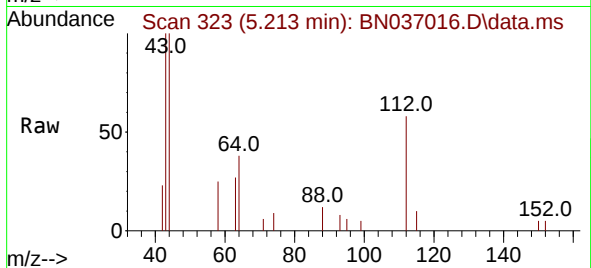
Tgt Ion:112 Resp: 939

Ion Ratio Lower Upper

112 100

64 69.0 55.7 83.5

63 43.8 34.6 51.8



#5

Phenol-d6

Concen: 0.076 ng

RT: 6.795 min Scan# 542

Delta R.T. -0.000 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

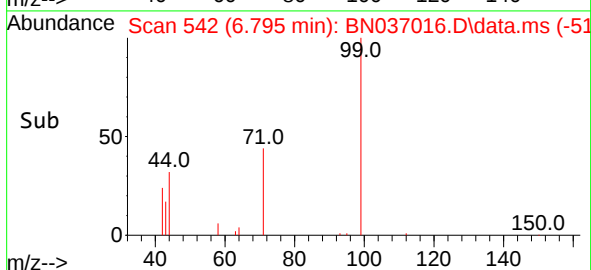
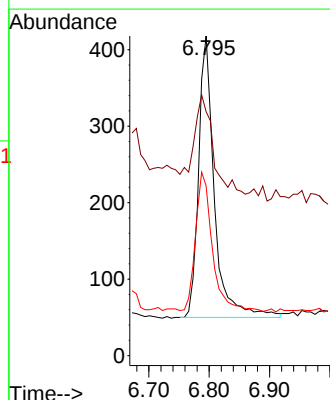
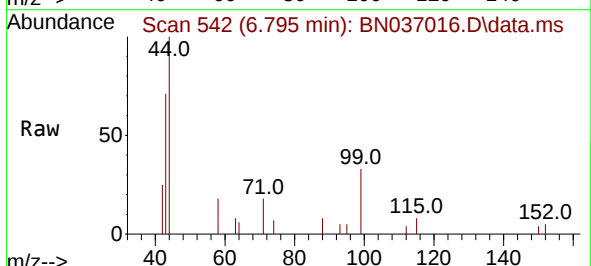
Tgt Ion: 99 Resp: 666

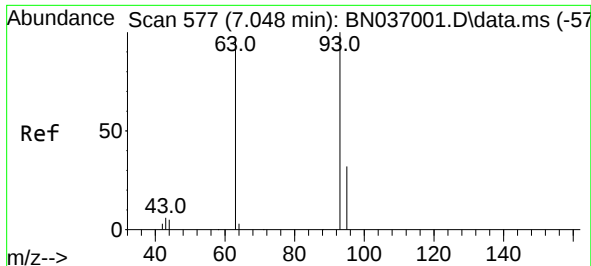
Ion Ratio Lower Upper

99 100

42 44.0 29.3 43.9#

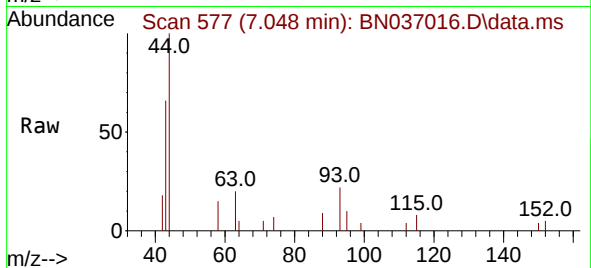
71 52.7 35.7 53.5



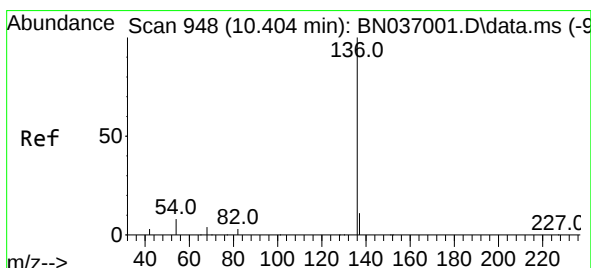
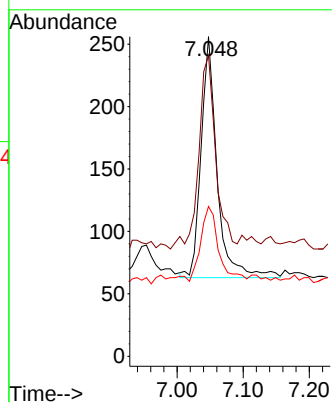
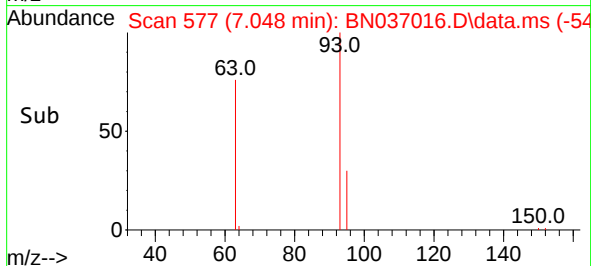


#6
bis(2-Chloroethyl)ether
Concen: 0.040 ng
RT: 7.048 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037016.D
Acq: 14 May 2025 17:24

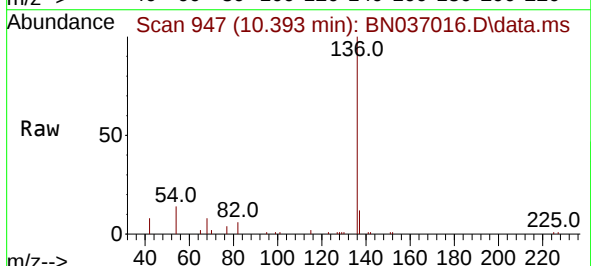
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250509



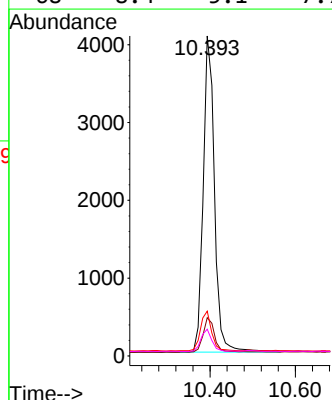
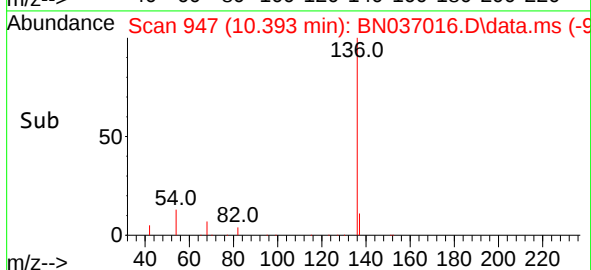
Tgt Ion:	93	Resp:	325
Ion	Ratio	Lower	Upper
93	100		
63	85.2	70.1	105.1
95	31.7	26.2	39.2

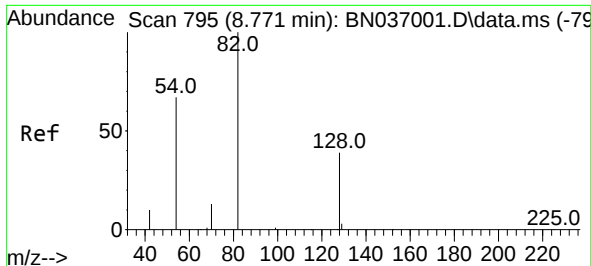


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.393 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037016.D
Acq: 14 May 2025 17:24



Tgt Ion:	136	Resp:	7455
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.4	15.6
54	14.0	8.5	12.7#
68	8.4	5.1	7.7#

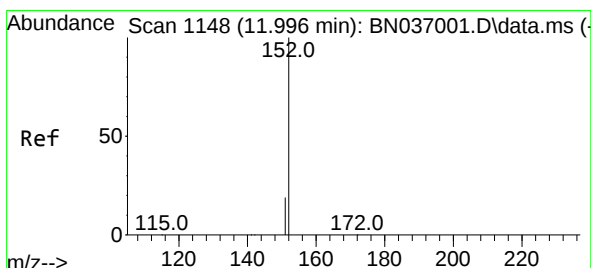
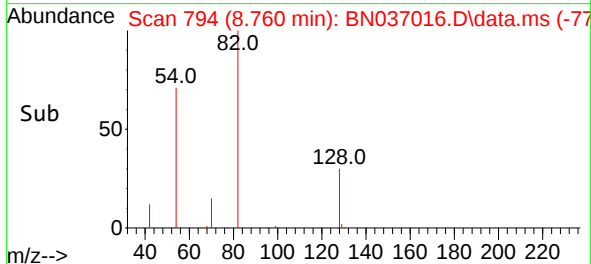
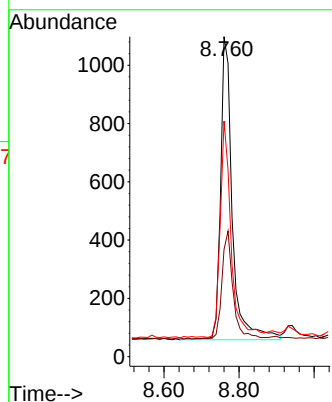
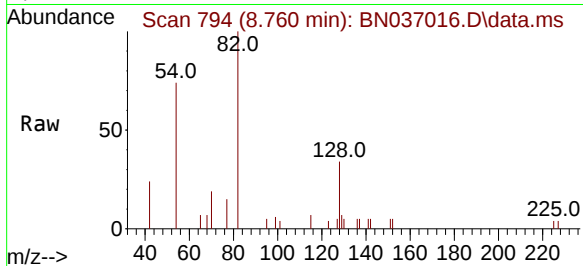




#8
 Nitrobenzene-d5
 Concen: 0.278 ng
 RT: 8.760 min Scan# 795
 Delta R.T. -0.011 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

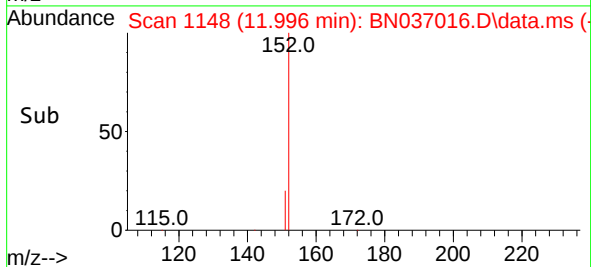
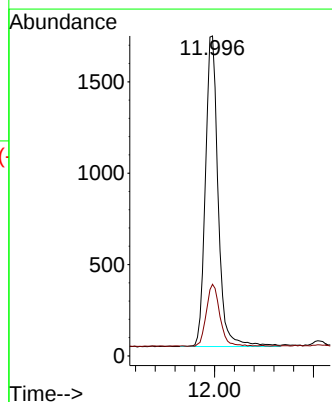
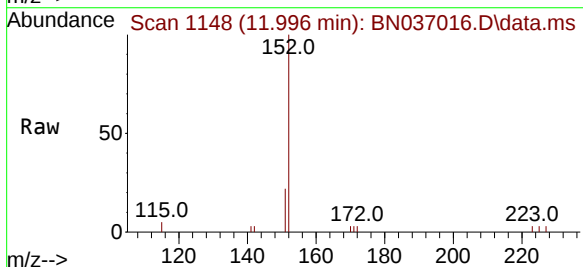
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250509

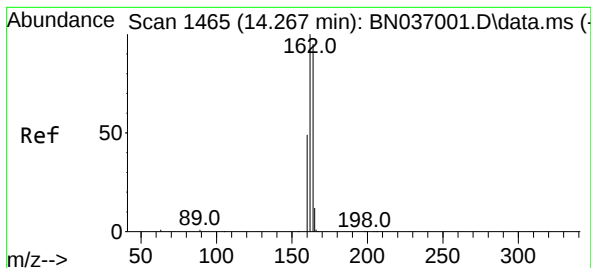
Tgt Ion: 82 Resp: 2257
 Ion Ratio Lower Upper
 82 100
 128 33.5 34.0 51.0#
 54 73.6 55.0 82.4



#11
 2-Methylnaphthalene-d10
 Concen: 0.290 ng
 RT: 11.996 min Scan# 1148
 Delta R.T. -0.000 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

Tgt Ion: 152 Resp: 3042
 Ion Ratio Lower Upper
 152 100
 151 21.4 17.5 26.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.266 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250509

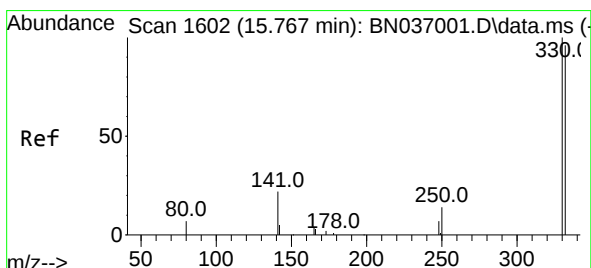
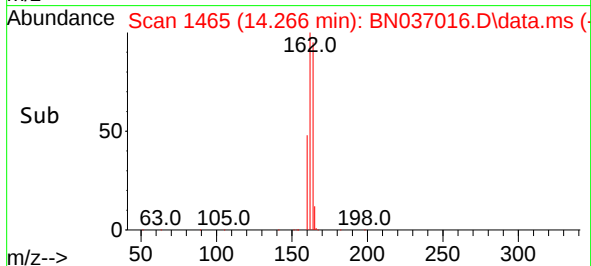
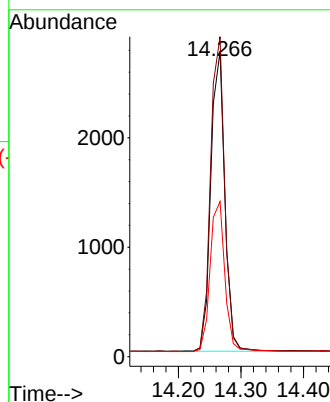
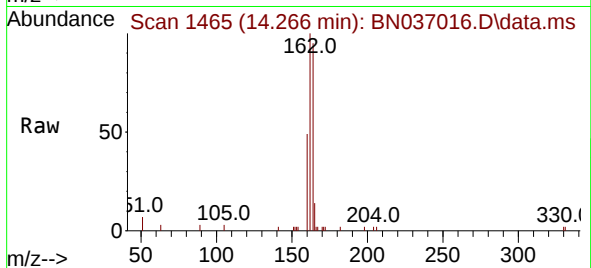
Tgt Ion:164 Resp: 4248

Ion Ratio Lower Upper

164 100

162 104.8 84.2 126.4

160 50.8 42.6 63.8



#14

2,4,6-Tribromophenol

Concen: 0.631 ng

RT: 15.755 min Scan# 1601

Delta R.T. -0.012 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

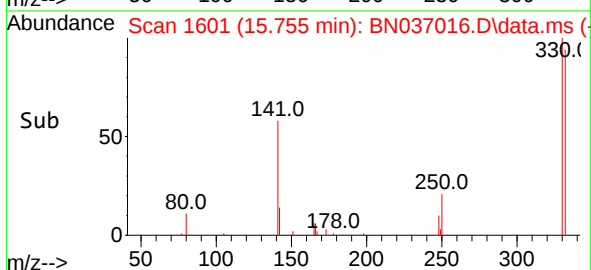
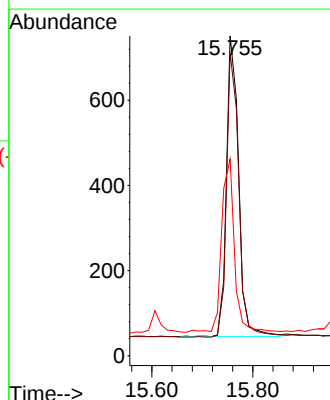
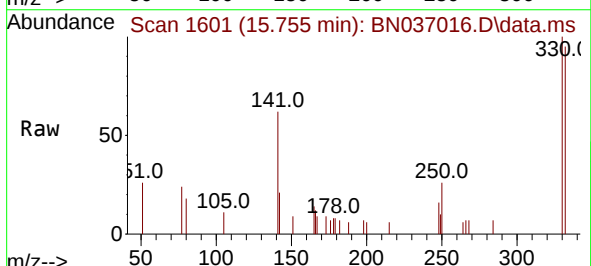
Tgt Ion:330 Resp: 1178

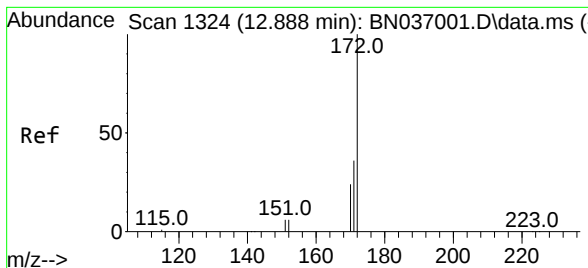
Ion Ratio Lower Upper

330 100

332 96.1 73.8 110.8

141 60.8 43.9 65.9





#15

2-Fluorobiphenyl

Concen: 0.309 ng

RT: 12.883 min Scan# 11

Delta R.T. -0.005 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250509

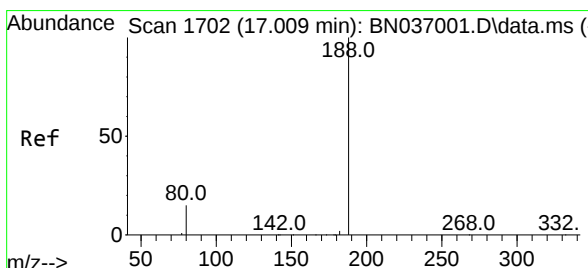
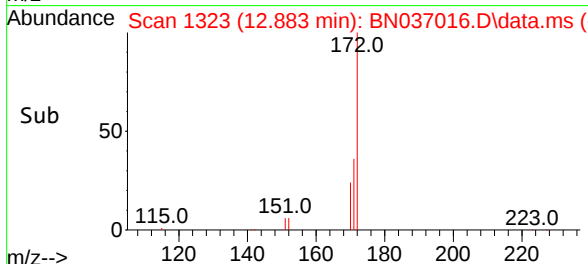
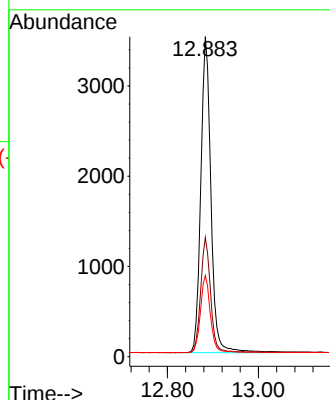
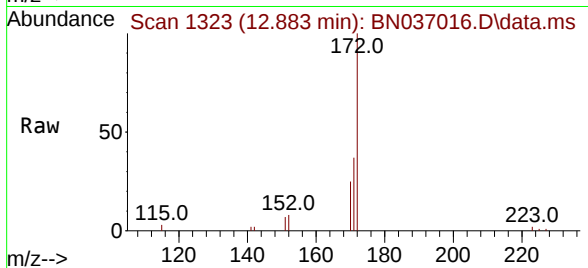
Tgt Ion:172 Resp: 6020

Ion Ratio Lower Upper

172 100

171 37.3 29.2 43.8

170 25.4 20.5 30.7



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.008 min Scan# 1702

Delta R.T. -0.000 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

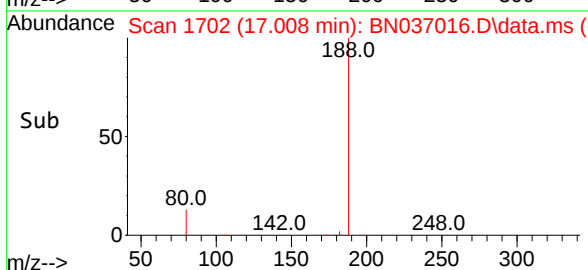
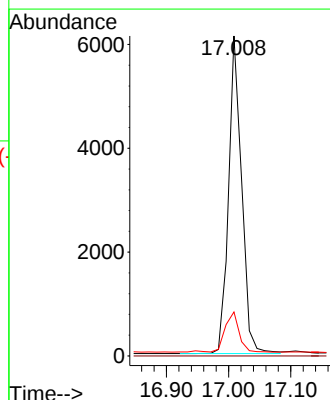
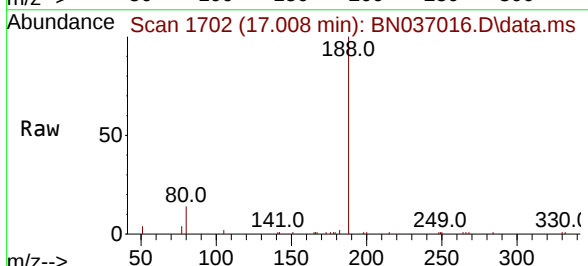
Tgt Ion:188 Resp: 8916

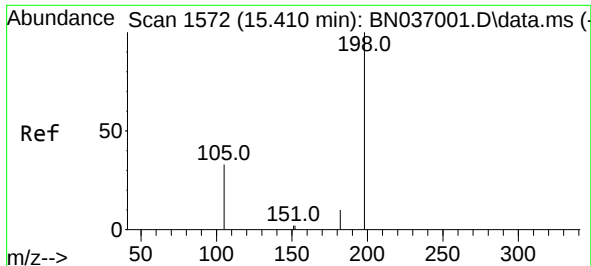
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.8 13.4 20.0

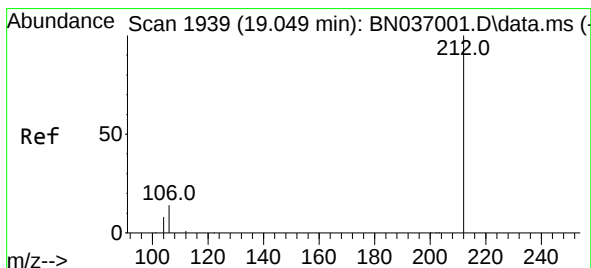
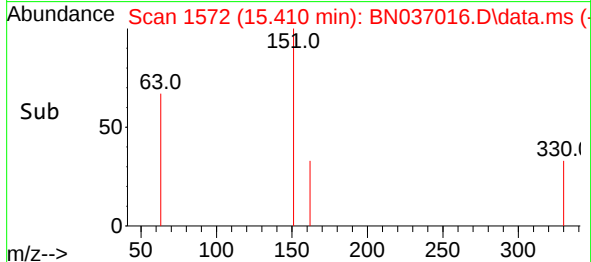
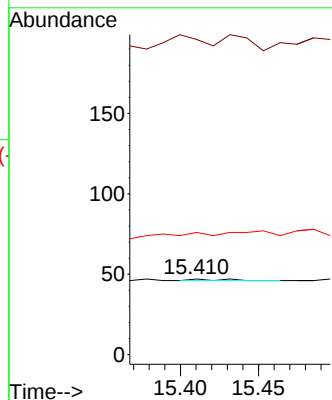
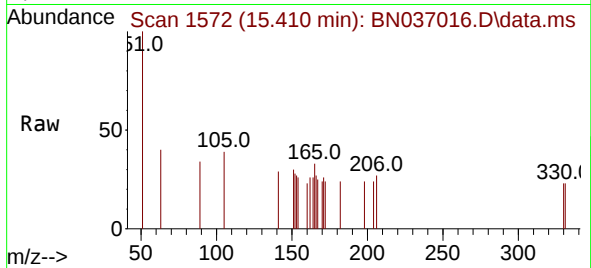




#20
4,6-Dinitro-2-methylphenol
Concen: 0.024 ng
RT: 15.410 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BN037016.D
Acq: 14 May 2025 17:24

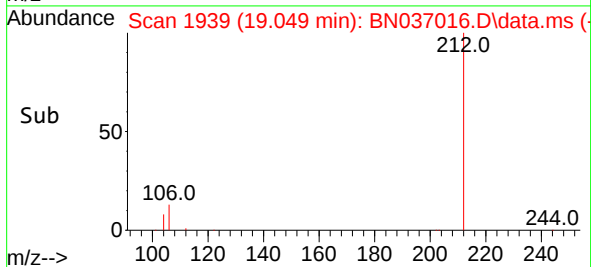
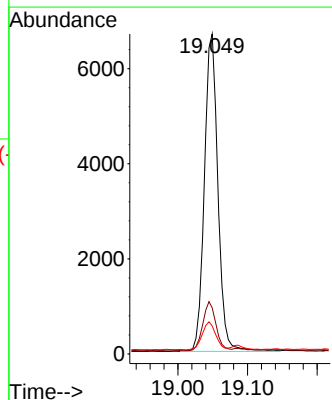
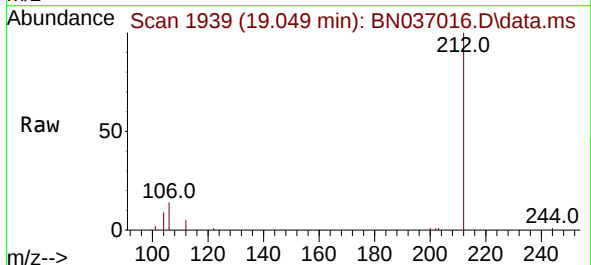
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250509

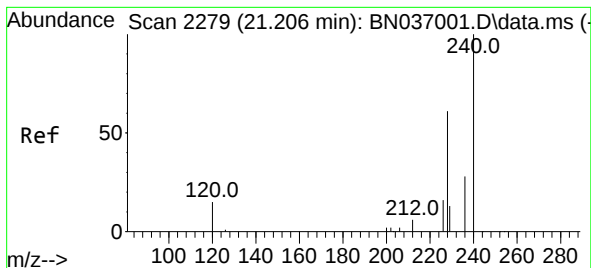
Tgt Ion:198 Resp: 1
Ion Ratio Lower Upper
198 100
51 417.0 87.8 131.6#
105 161.7 44.2 66.4#



#27
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.049 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BN037016.D
Acq: 14 May 2025 17:24

Tgt Ion:212 Resp: 9002
Ion Ratio Lower Upper
212 100
106 14.9 11.3 16.9
104 8.7 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.206 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250509

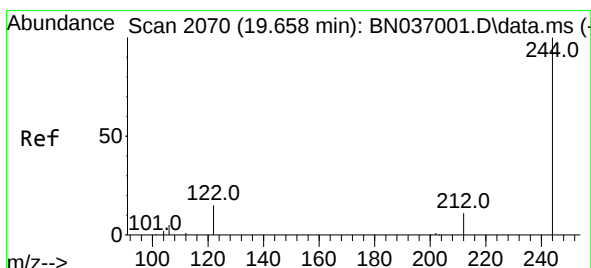
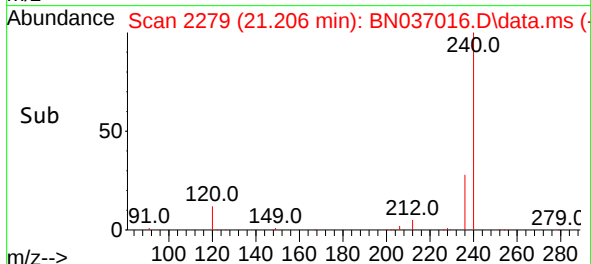
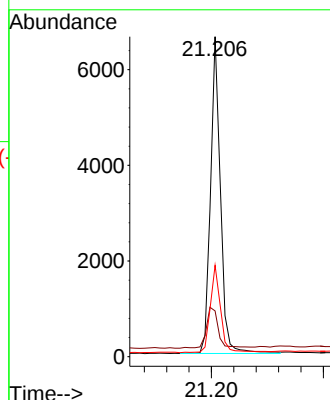
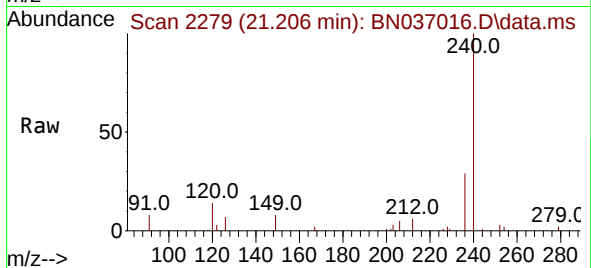
Tgt Ion:240 Resp: 8141

Ion Ratio Lower Upper

240 100

120 14.3 15.1 22.7#

236 28.6 24.0 36.0



#31

Terphenyl-d14

Concen: 1.062 ng

RT: 19.653 min Scan# 2069

Delta R.T. -0.005 min

Lab File: BN037016.D

Acq: 14 May 2025 17:24

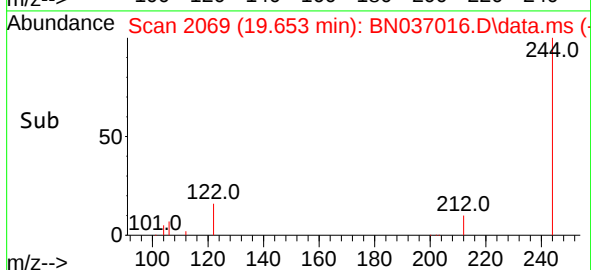
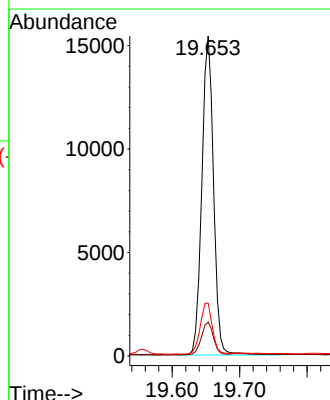
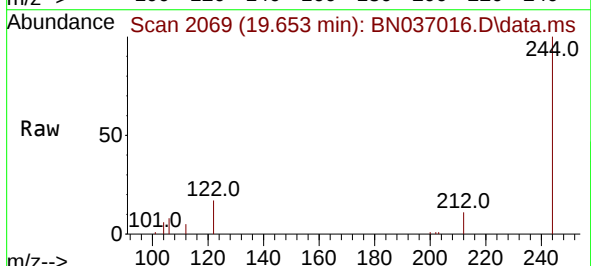
Tgt Ion:244 Resp: 18496

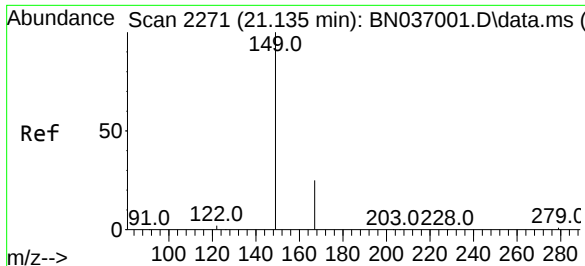
Ion Ratio Lower Upper

244 100

212 10.6 9.7 14.5

122 16.5 13.4 20.0

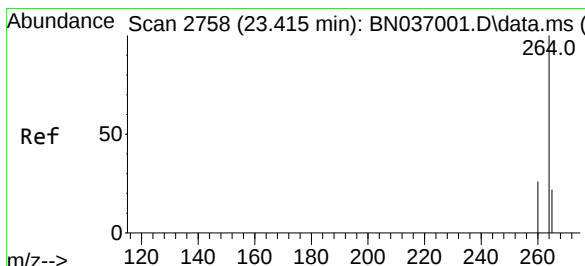
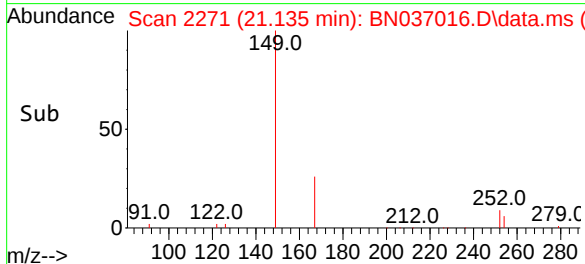
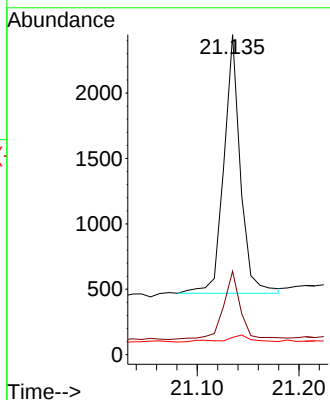
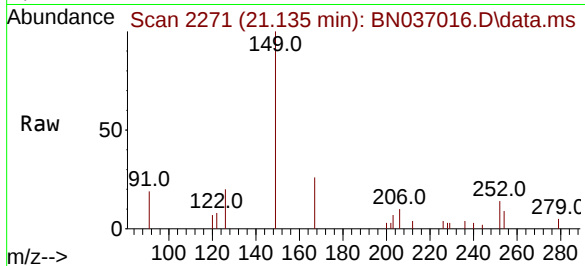




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.118 ng
 RT: 21.135 min Scan# 2113
 Delta R.T. -0.000 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250509

Tgt Ion:149 Resp: 2231
 Ion Ratio Lower Upper
 149 100
 167 26.3 20.6 30.8
 279 4.3 2.6 3.8#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.409 min Scan# 2756
 Delta R.T. -0.006 min
 Lab File: BN037016.D
 Acq: 14 May 2025 17:24

Tgt Ion:264 Resp: 7661
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.9 32.9
 265 55.2 51.6 77.4

