

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052725\
 Data File : BN037092.D
 Acq On : 27 May 2025 18:12
 Operator : RC/JU
 Sample : Q2082-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516

Quant Time: May 27 18:34:33 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)

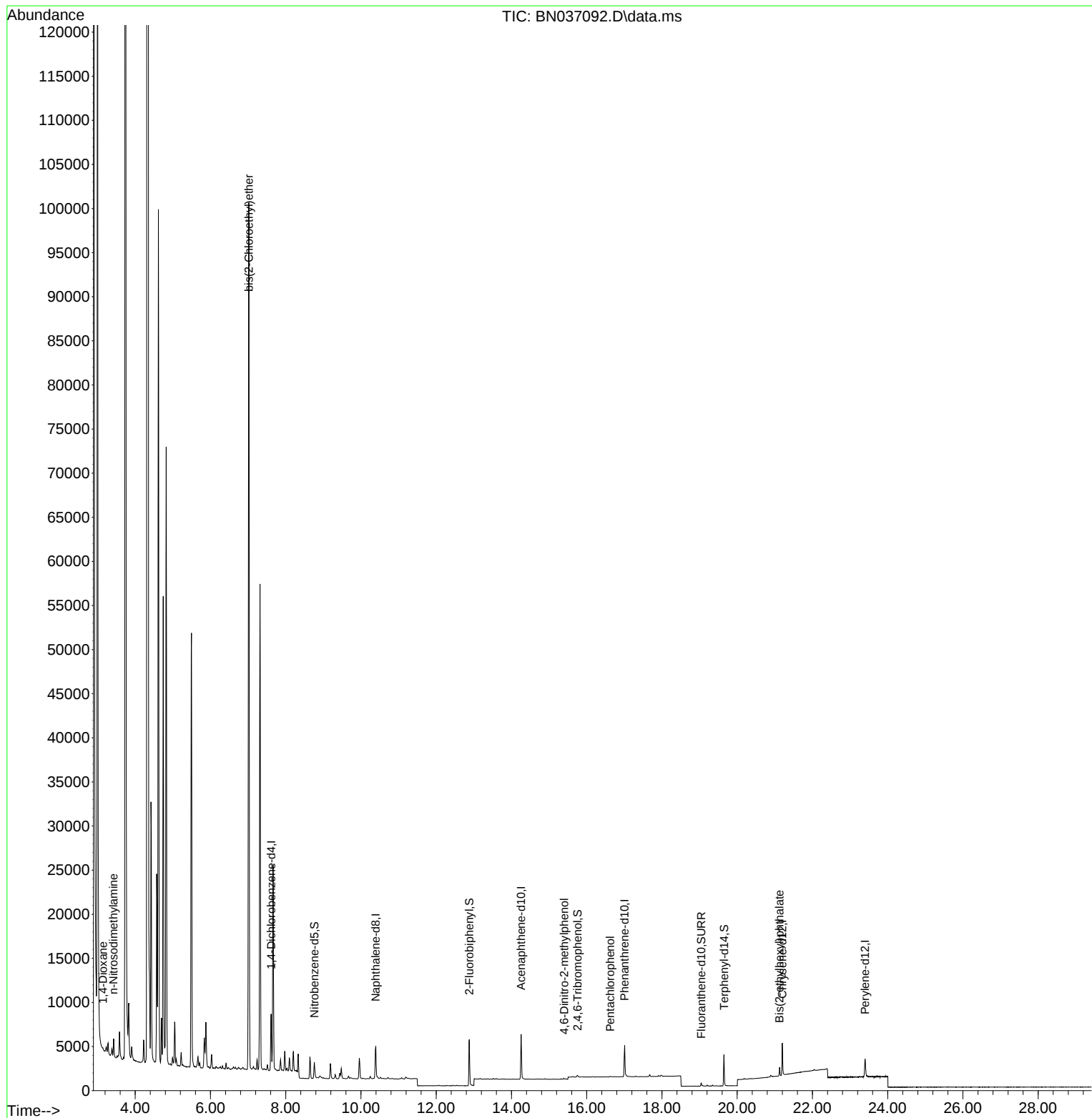
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	1944	0.400	ng	0.00
7) Naphthalene-d8	10.393	136	5093	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	2804	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	5249	0.400	ng	# 0.00
29) Chrysene-d12	21.197	240	3386	0.400	ng	0.00
35) Perylene-d12	23.398	264	2743	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	20	0.004	ng	0.00
5) Phenol-d6	6.802	99	11	0.002	ng	0.00
8) Nitrobenzene-d5	8.760	82	1566	0.282	ng	-0.01
11) 2-Methylnaphthalene-d10	11.996	152	53	0.007	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	109	0.089	ng	-0.01
15) 2-Fluorobiphenyl	12.878	172	4800	0.374	ng	-0.01
27) Fluoranthene-d10	19.045	212	454	0.032	ng	0.00
31) Terphenyl-d14	19.649	244	3607	0.498	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.140	88	116	0.049	ng	# 55
3) n-Nitrosodimethylamine	3.422	42	181	0.035	ng	# 1
6) bis(2-Chloroethyl)ether	7.019	93	46331	7.899	ng	# 39
20) 4,6-Dinitro-2-methylph...	15.400	198	4	0.028	ng	# 1
24) Pentachlorophenol	16.624	266	56	0.029	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.126	149	873	0.111	ng	# 98

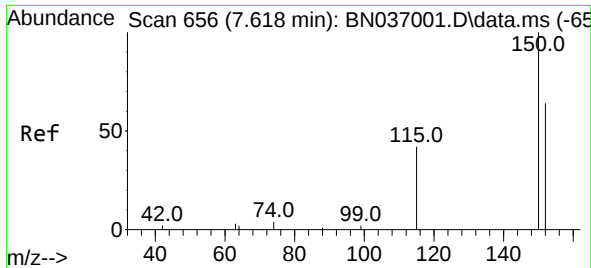
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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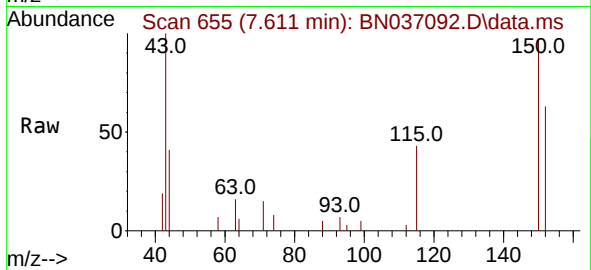
Quant Time: May 27 18:34:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
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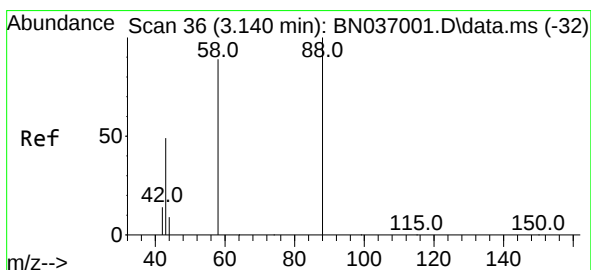
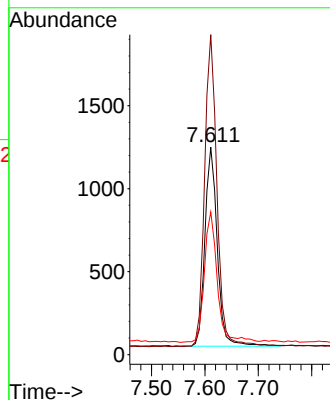
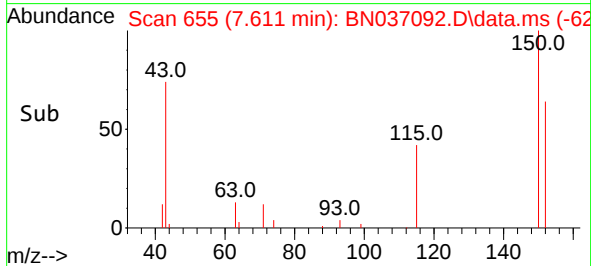


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.611 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516

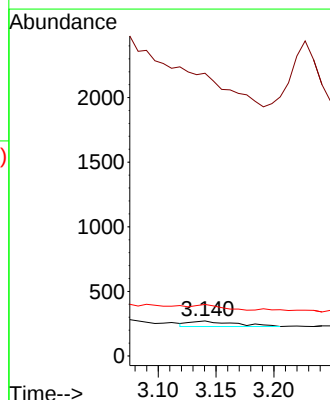
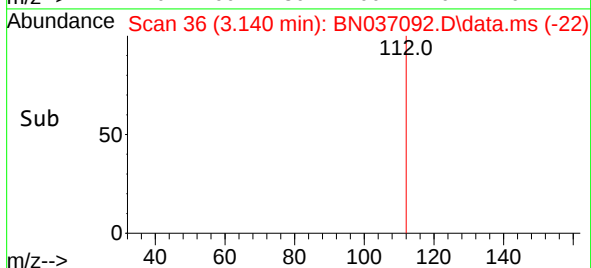
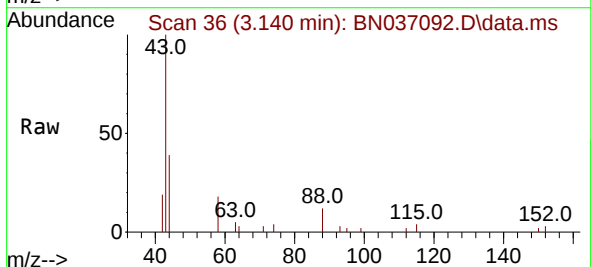


Tgt Ion:152 Resp: 1944
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.9 185.9
 115 68.8 55.8 83.8



#2
 1,4-Dioxane
 Concen: 0.049 ng
 RT: 3.140 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

Tgt Ion: 88 Resp: 116
 Ion Ratio Lower Upper
 88 100
 43 0.0 37.4 56.0#
 58 56.9 68.8 103.2#

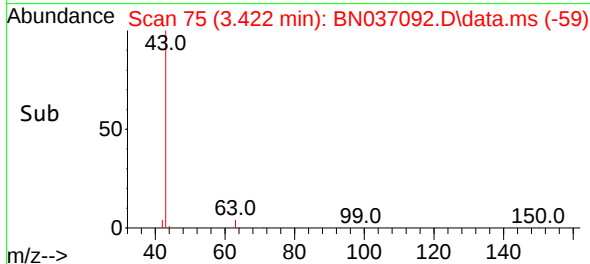
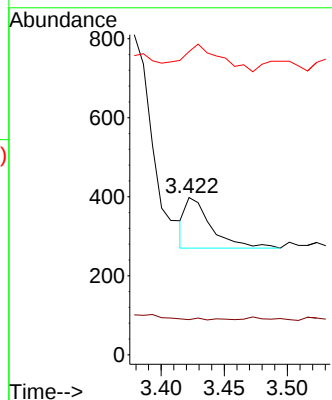
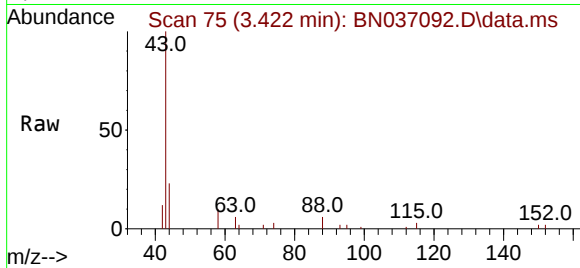




#3
 n-Nitrosodimethylamine
 Concen: 0.035 ng
 RT: 3.422 min Scan# 71
 Delta R.T. -0.036 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

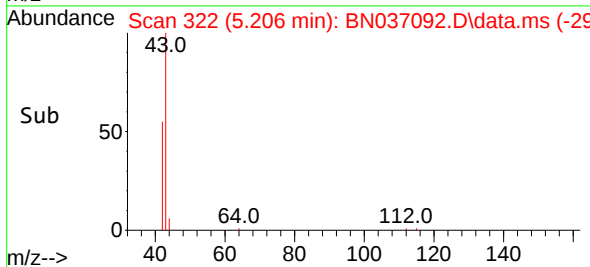
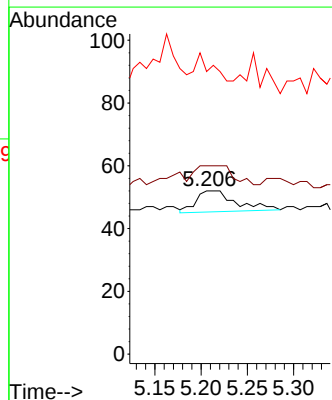
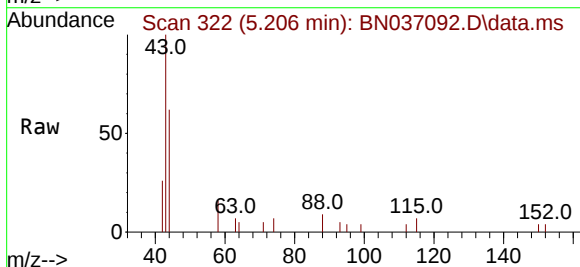
Instrument :
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 VPB182-HYD-20250516

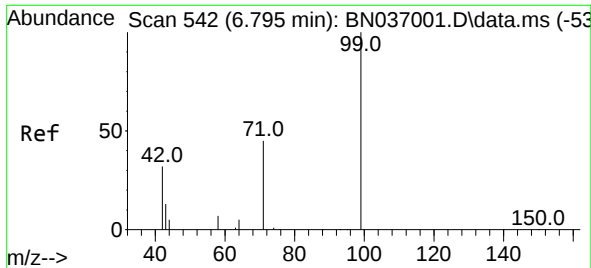
Tgt Ion: 42 Resp: 181
 Ion Ratio Lower Upper
 42 100
 74 0.0 59.8 89.6#
 44 79.0 11.9 17.9#



#4
 2-Fluorophenol
 Concen: 0.004 ng
 RT: 5.206 min Scan# 322
 Delta R.T. -0.007 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

Tgt Ion: 112 Resp: 20
 Ion Ratio Lower Upper
 112 100
 64 10.0 55.7 83.5#
 63 80.0 34.6 51.8#





#5

Phenol-d6

Concen: 0.002 ng

RT: 6.802 min Scan# 54

Delta R.T. 0.007 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

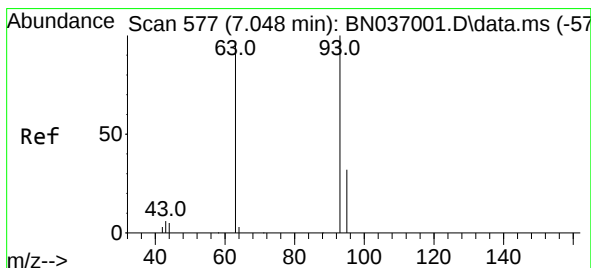
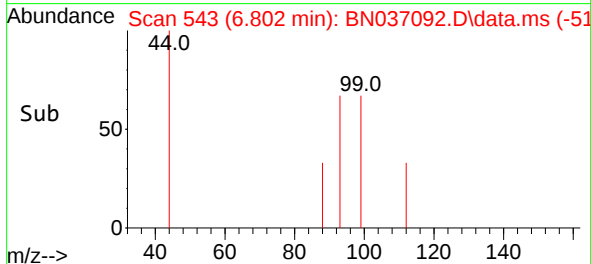
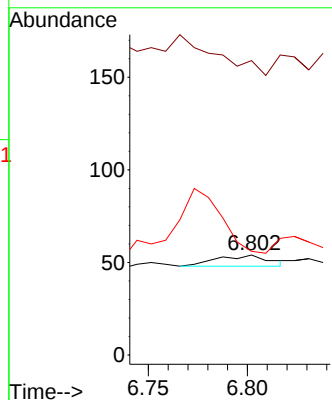
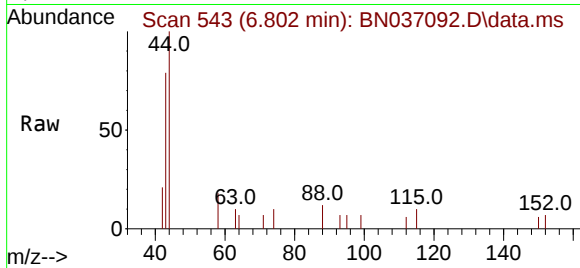
Tgt Ion: 99 Resp: 11

Ion Ratio Lower Upper

99 100

42 0.0 29.3 43.9#

71 0.0 35.7 53.5#



#6

bis(2-Chloroethyl)ether

Concen: 7.899 ng

RT: 7.019 min Scan# 573

Delta R.T. -0.029 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

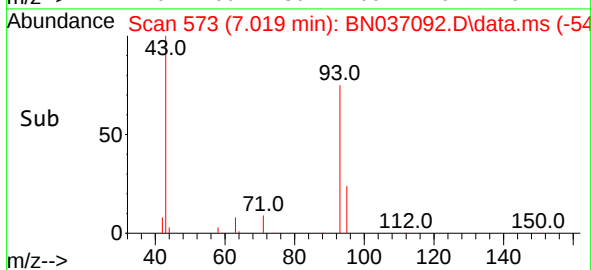
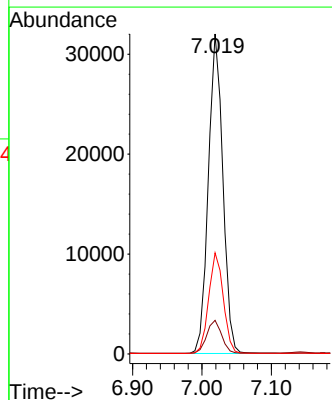
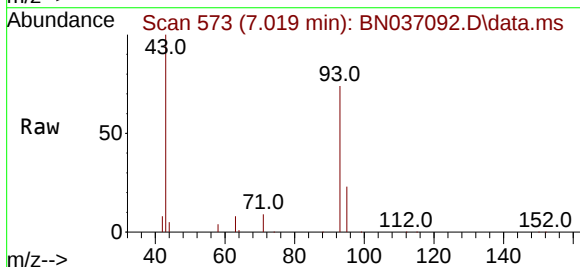
Tgt Ion: 93 Resp: 46331

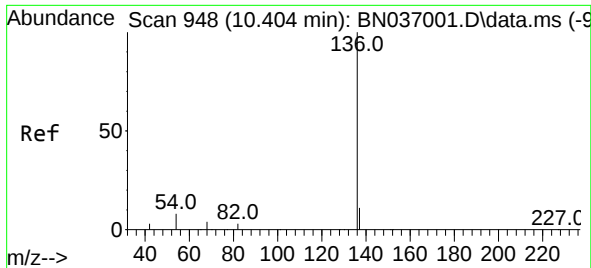
Ion Ratio Lower Upper

93 100

63 10.6 70.1 105.1#

95 31.8 26.2 39.2

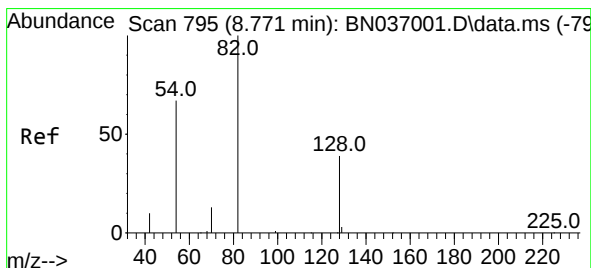
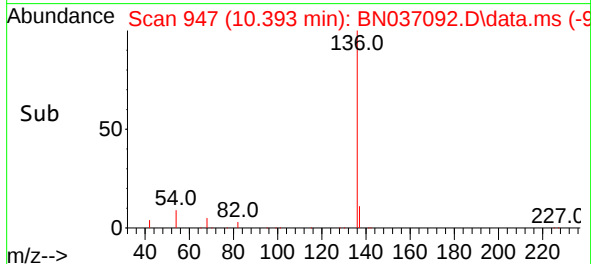
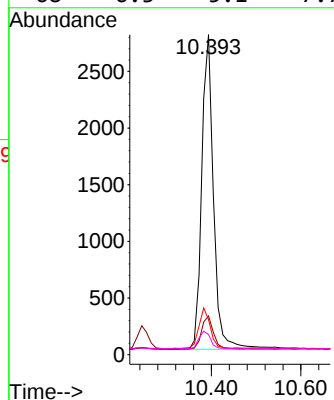
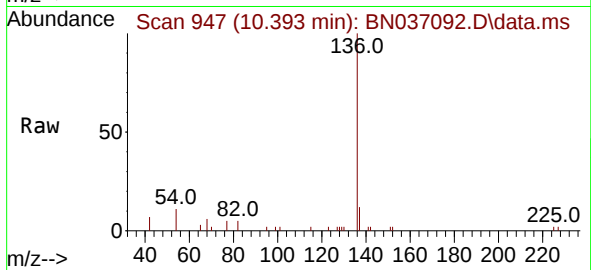




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.393 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

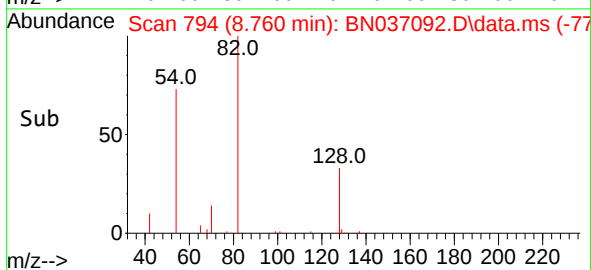
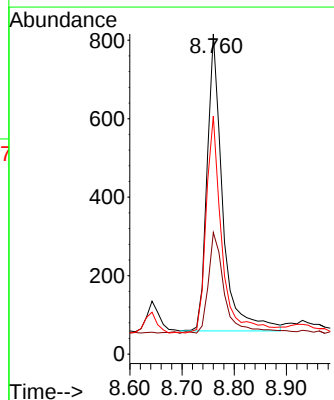
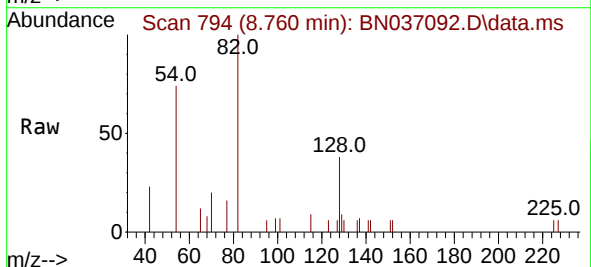
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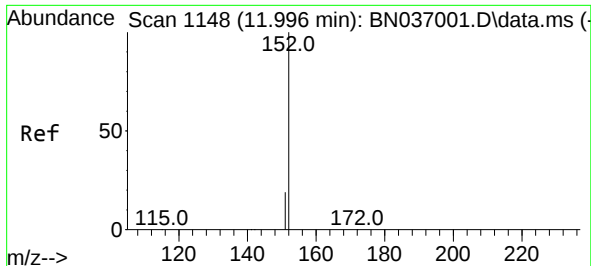
Tgt Ion:	136	Resp:	5093
Ion Ratio	Lower	Upper	
136	100		
137	12.1	10.4	15.6
54	10.9	8.5	12.7
68	6.3	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.282 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

Tgt Ion:	82	Resp:	1566
Ion Ratio	Lower	Upper	
82	100		
128	38.0	34.0	51.0
54	74.4	55.0	82.4

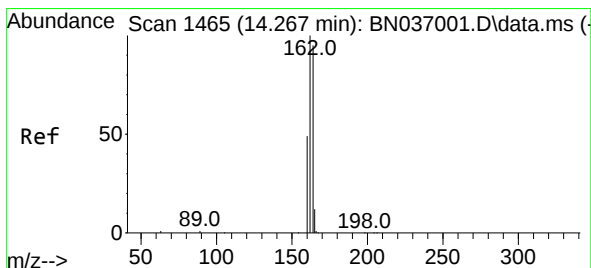
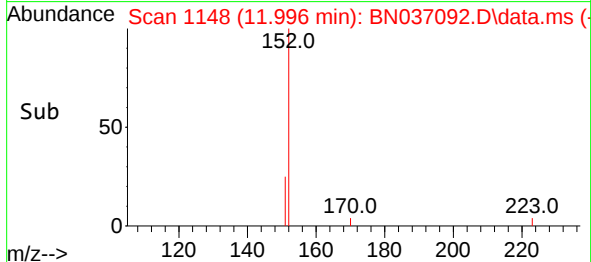
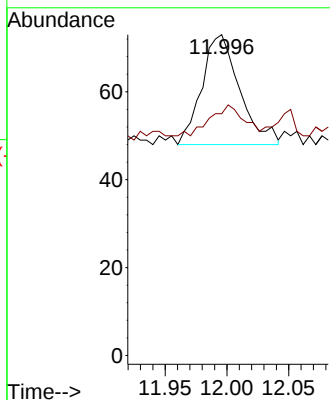
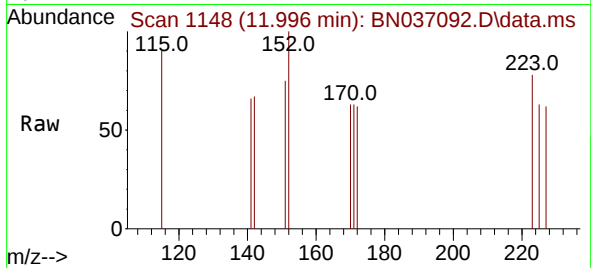




#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 11.996 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

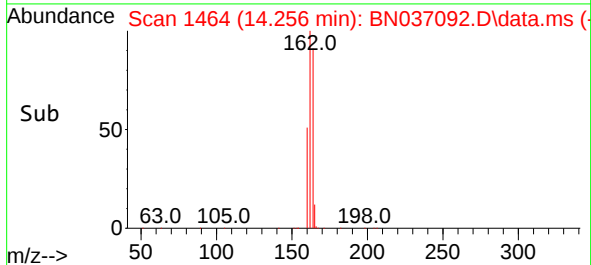
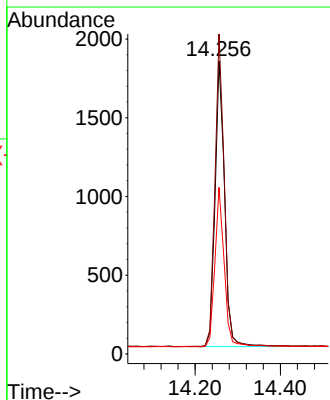
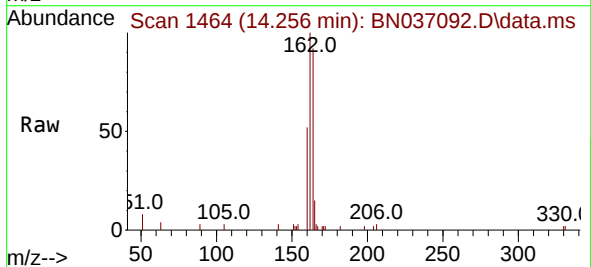
Instrument :
BNA_N
ClientSampleId :
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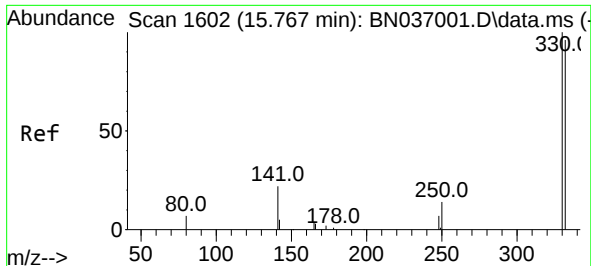
Tgt Ion:152 Resp: 53
Ion Ratio Lower Upper
152 100
151 28.3 17.5 26.3#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.256 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

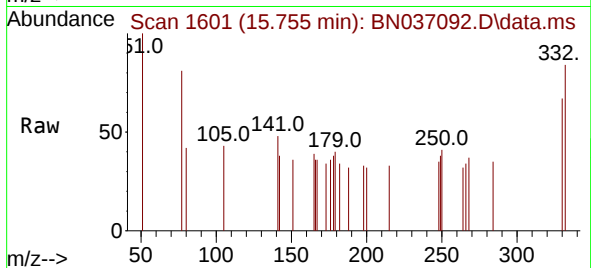
Tgt Ion:164 Resp: 2804
Ion Ratio Lower Upper
164 100
162 109.2 84.2 126.4
160 56.9 42.6 63.8



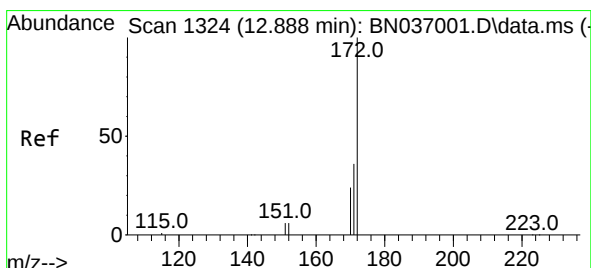
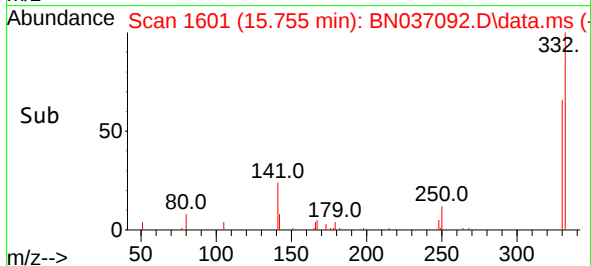
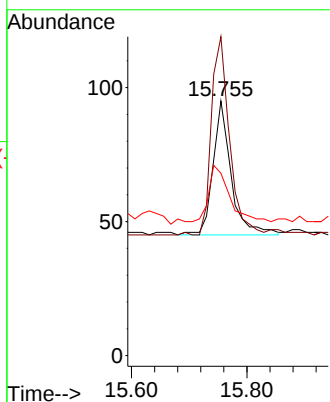


#14
2,4,6-Tribromophenol
Concen: 0.089 ng
RT: 15.755 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

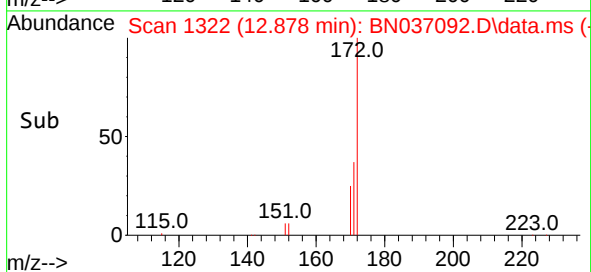
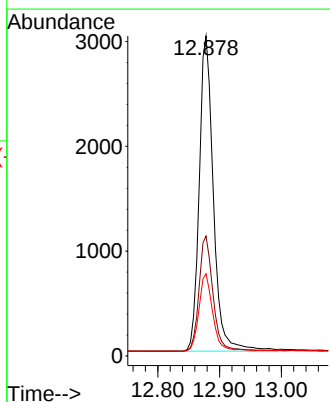
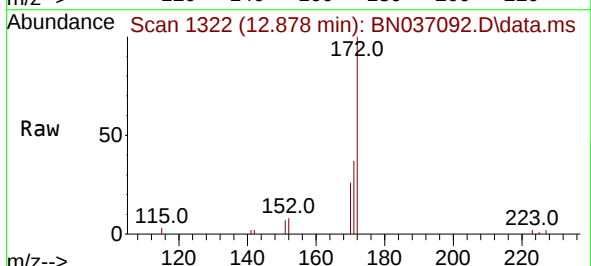


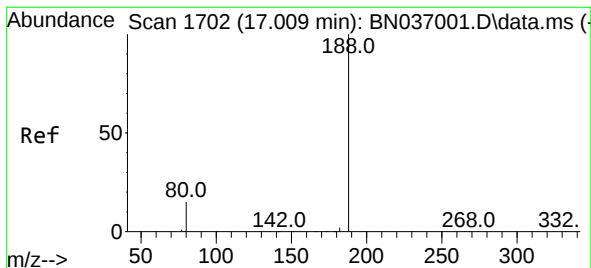
Tgt Ion:330 Resp: 109
Ion Ratio Lower Upper
330 100
332 147.7 73.8 110.8#
141 50.5 43.9 65.9



#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.878 min Scan# 1322
Delta R.T. -0.010 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

Tgt Ion:172 Resp: 4800
Ion Ratio Lower Upper
172 100
171 37.5 29.2 43.8
170 25.7 20.5 30.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

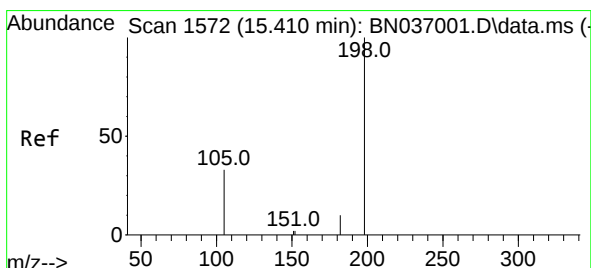
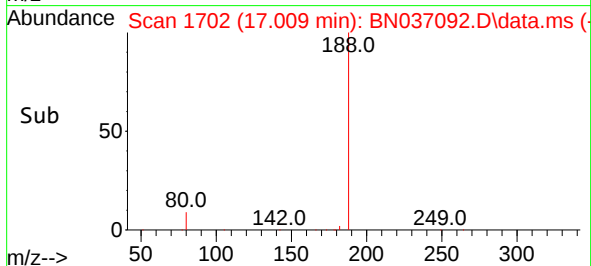
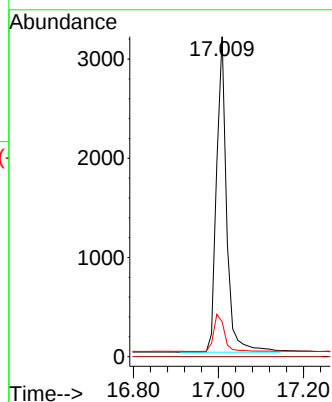
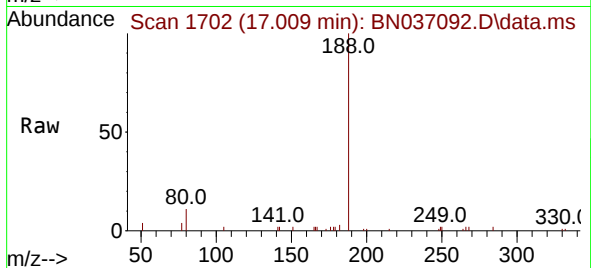
Tgt Ion:188 Resp: 5249

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.9 13.4 20.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.028 ng

RT: 15.400 min Scan# 1571

Delta R.T. -0.010 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

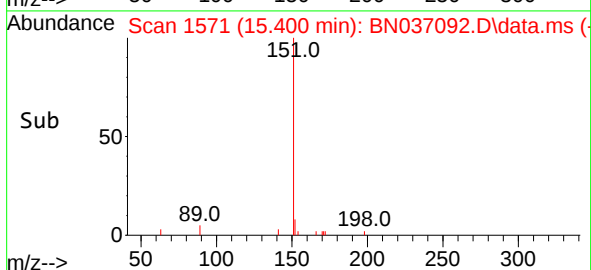
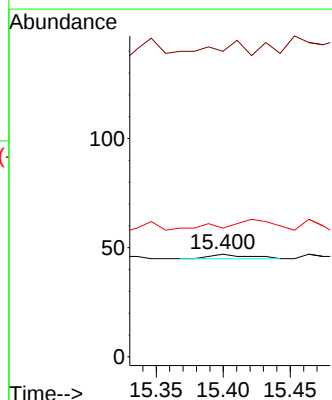
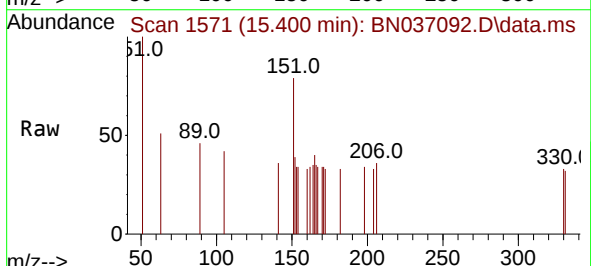
Tgt Ion:198 Resp: 4

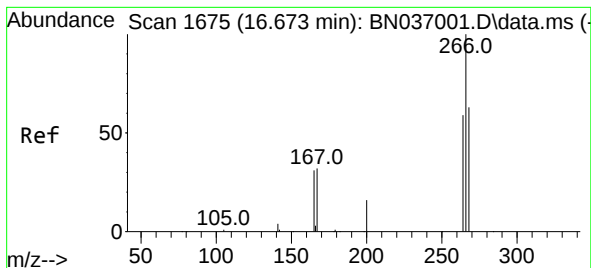
Ion Ratio Lower Upper

198 100

51 297.9 87.8 131.6#

105 125.5 44.2 66.4#





#24

Pentachlorophenol

Concen: 0.029 ng

RT: 16.624 min Scan# 1671

Delta R.T. -0.050 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

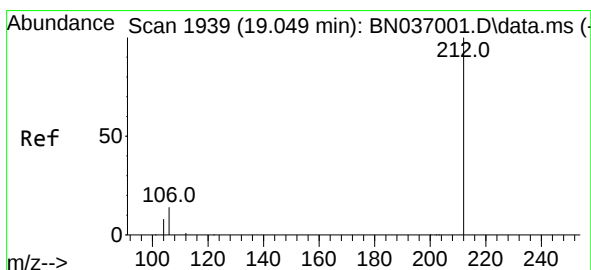
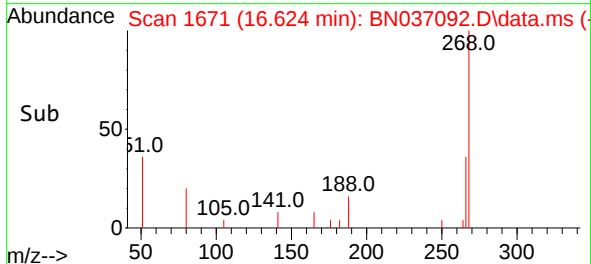
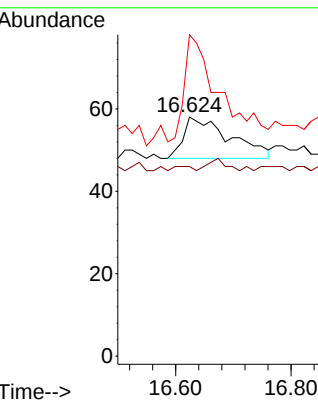
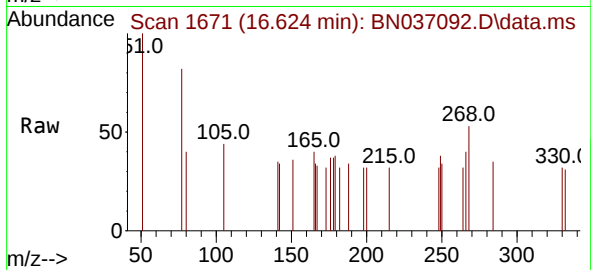
Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

Tgt Ion:	266	Resp:	56
Ion Ratio	Lower	Upper	
266	100		
264	0.0	47.9	71.9#
268	196.4	50.0	75.0#



#27

Fluoranthene-d10

Concen: 0.032 ng

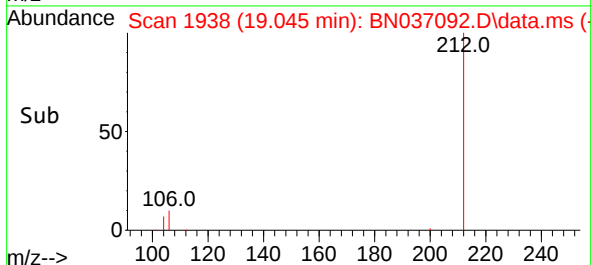
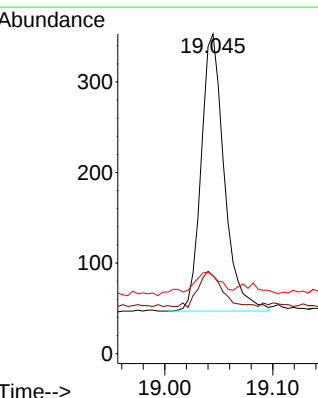
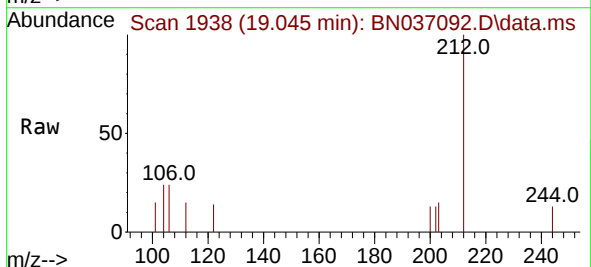
RT: 19.045 min Scan# 1938

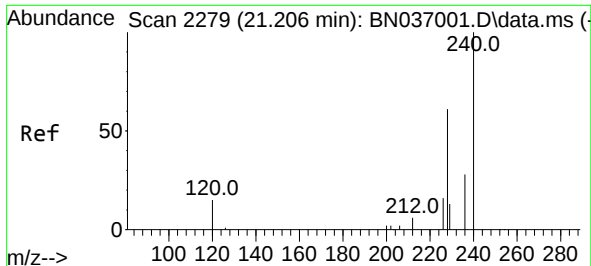
Delta R.T. -0.005 min

Lab File: BN037092.D

Acq: 27 May 2025 18:12

Tgt Ion:	212	Resp:	454
Ion Ratio	Lower	Upper	
212	100		
106	13.2	11.3	16.9
104	8.8	6.7	10.1

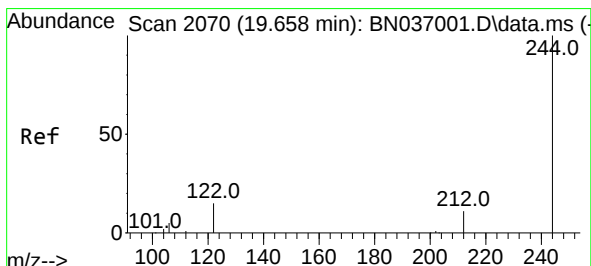
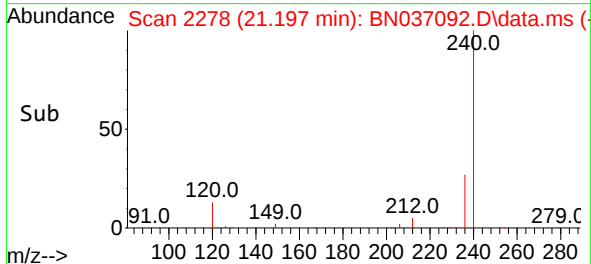
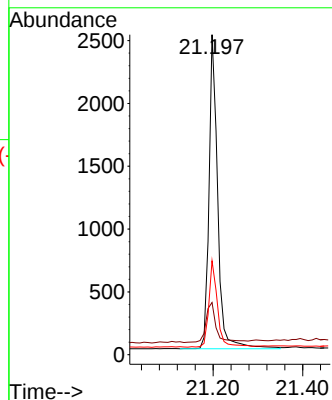
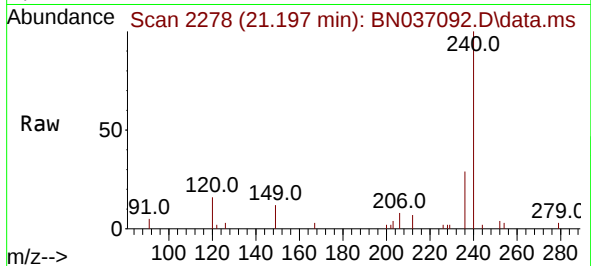




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.197 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

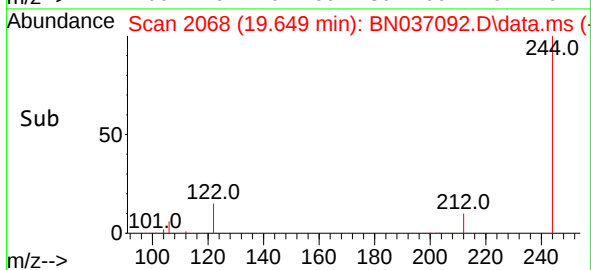
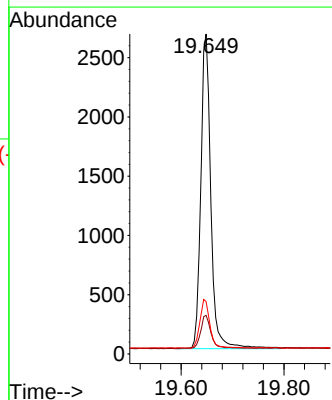
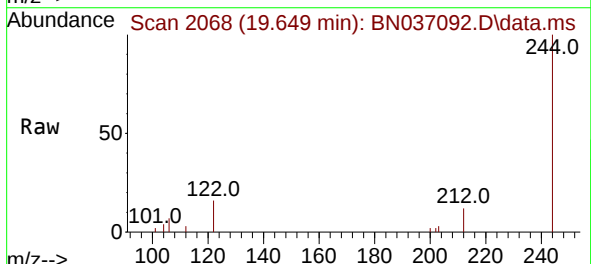
Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

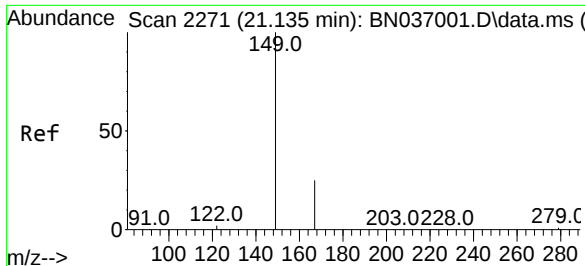
Tgt Ion:240 Resp: 3386
Ion Ratio Lower Upper
240 100
120 16.3 15.1 22.7
236 29.4 24.0 36.0



#31
Terphenyl-d14
Concen: 0.498 ng
RT: 19.649 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN037092.D
Acq: 27 May 2025 18:12

Tgt Ion:244 Resp: 3607
Ion Ratio Lower Upper
244 100
212 12.1 9.7 14.5
122 16.4 13.4 20.0

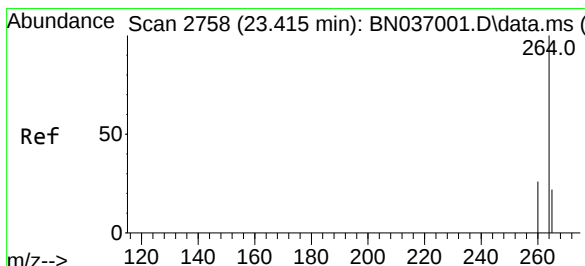
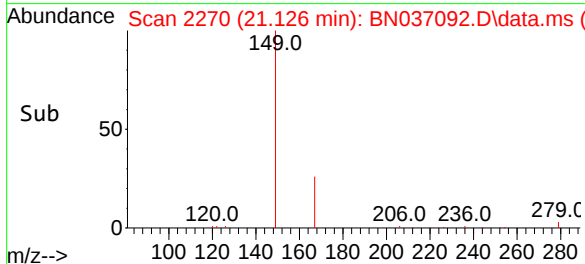
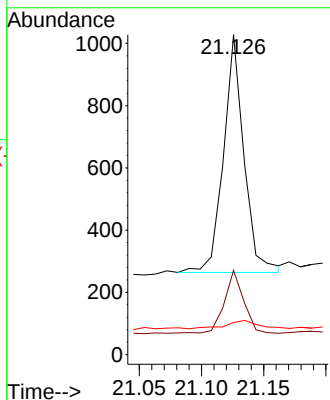
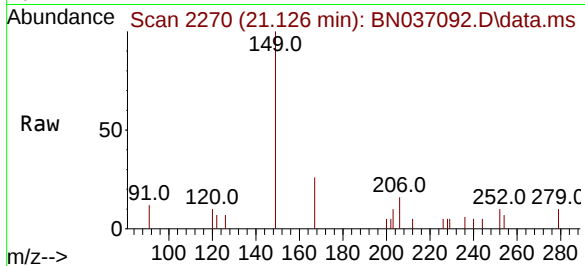




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.111 ng
 RT: 21.126 min Scan# 2110
 Delta R.T. -0.009 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516

Tgt Ion:149 Resp: 873
 Ion Ratio Lower Upper
 149 100
 167 24.6 20.6 30.8
 279 5.0 2.6 3.8#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.398 min Scan# 2752
 Delta R.T. -0.018 min
 Lab File: BN037092.D
 Acq: 27 May 2025 18:12

Tgt Ion:264 Resp: 2743
 Ion Ratio Lower Upper
 264 100
 260 28.3 21.9 32.9
 265 78.2 51.6 77.4#

