

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037207.D
 Acq On : 10 Jun 2025 01:00
 Operator : RC/JU
 Sample : Q2234-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

Quant Time: Jun 10 04:05:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

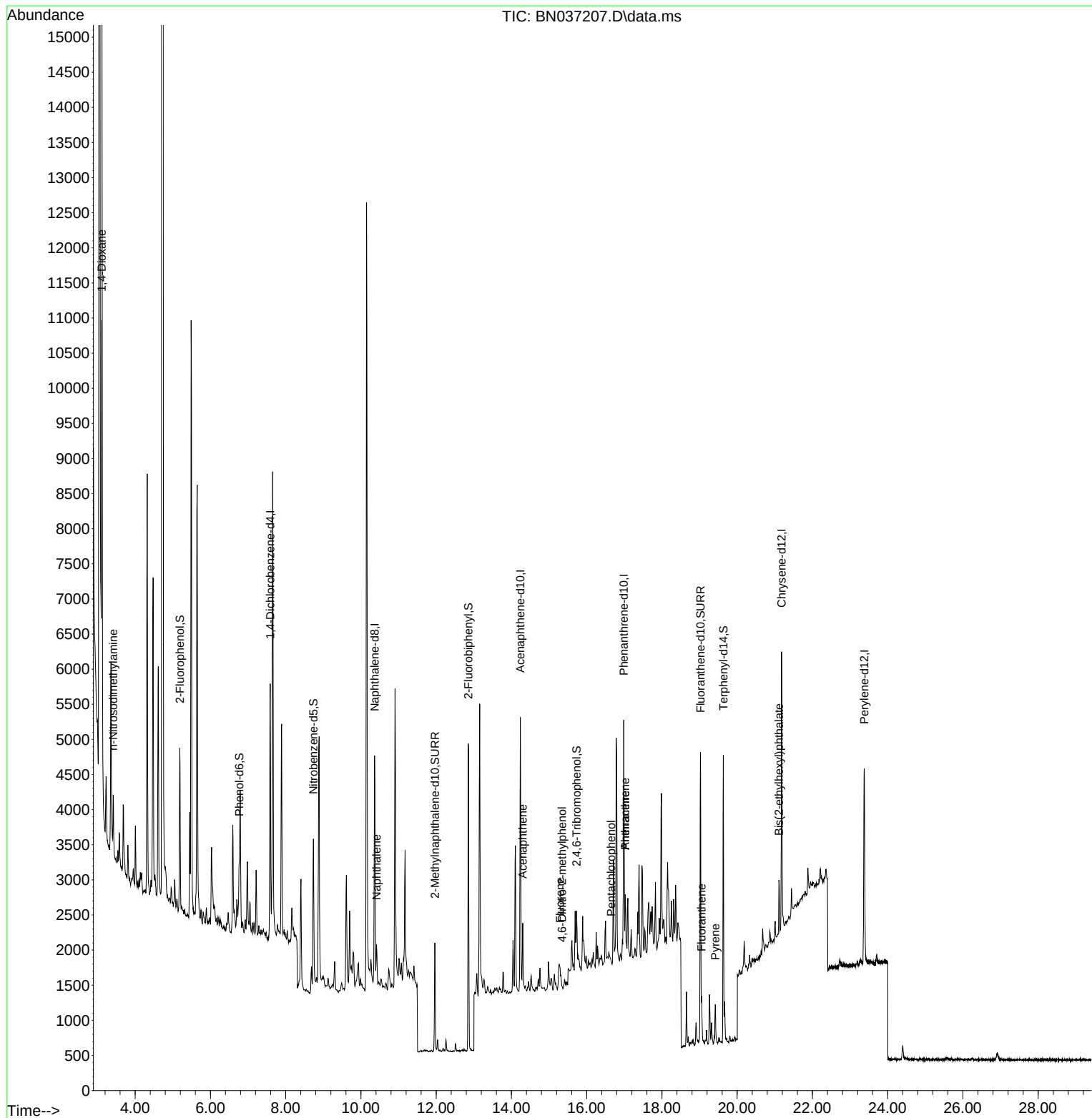
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1612	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4076	0.400	ng	#-0.01
13) Acenaphthene-d10	14.235	164	2065	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4042	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3508	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3584	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	859	0.215	ng	0.00
5) Phenol-d6	6.766	99	670	0.139	ng	0.00
8) Nitrobenzene-d5	8.739	82	1794	0.417	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2119	0.373	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	407	0.490	ng	-0.01
15) 2-Fluorobiphenyl	12.853	172	3753	0.426	ng	-0.01
27) Fluoranthene-d10	19.026	212	4719	0.459	ng	0.00
31) Terphenyl-d14	19.630	244	3566	0.432	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	6378	2.968	ng	# 78
3) n-Nitrosodimethylamine	3.415	42	160	0.037	ng	# 32
9) Naphthalene	10.415	128	623	0.053	ng	# 76
17) Acenaphthene	14.299	154	244	0.037	ng	98
18) Fluorene	15.293	166	176	0.020	ng	90
20) 4,6-Dinitro-2-methylph...	15.346	198	4	0.278	ng	# 1
24) Pentachlorophenol	16.649	266	17	0.225	ng	# 7
25) Phenanthrene	17.021	178	963	0.074	ng	96
26) Anthracene	17.021	178	976	0.082	ng	98
28) Fluoranthene	19.054	202	509	0.035	ng	96
30) Pyrene	19.416	202	483	0.028	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.108	149	831	0.104	ng	# 99

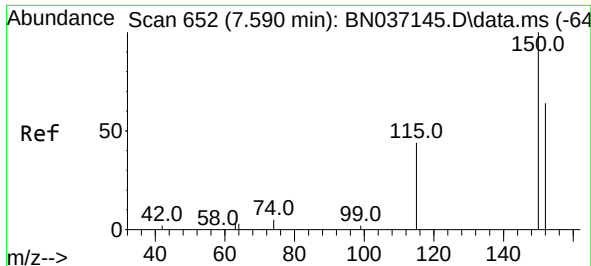
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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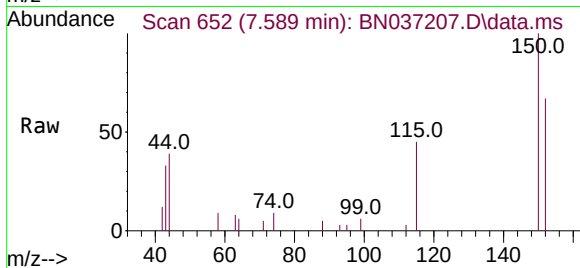
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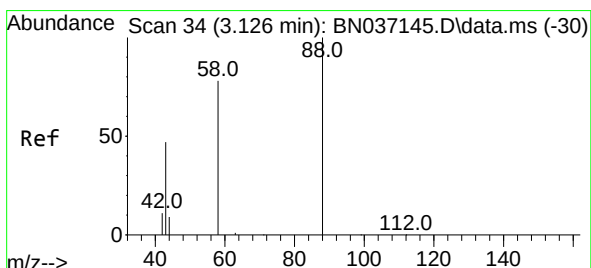
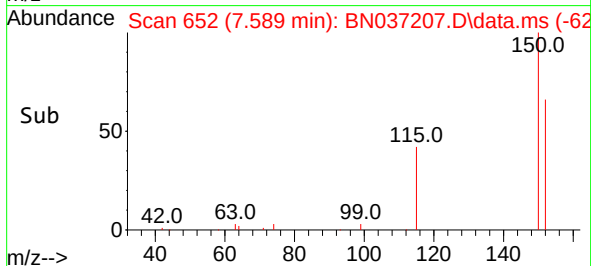
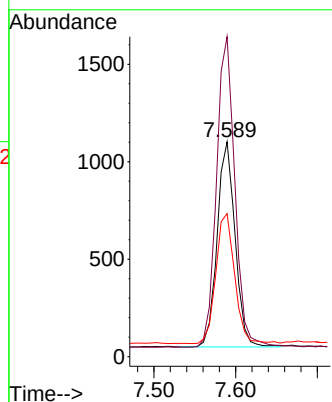
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425



Tgt Ion:152 Resp: 1612

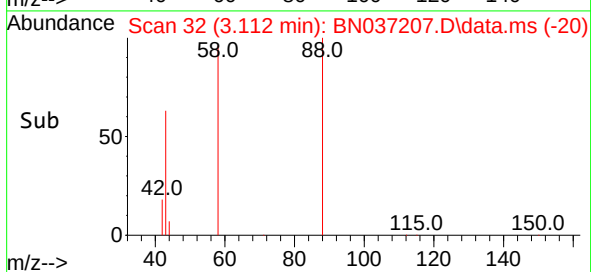
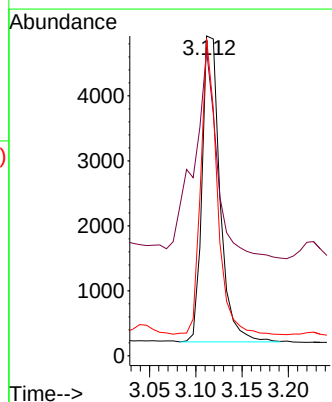
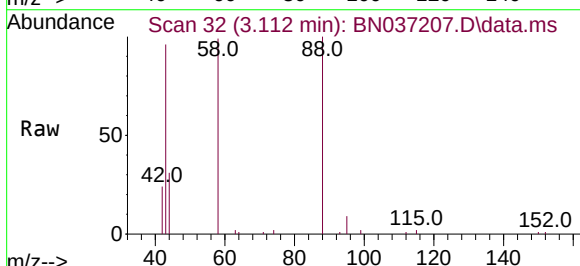
Ion	Ratio	Lower	Upper
152	100		
150	149.0	123.2	184.8
115	66.6	56.6	85.0

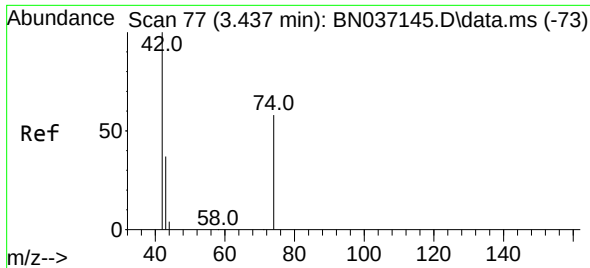


#2
 1,4-Dioxane
 Concen: 2.968 ng
 RT: 3.112 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion: 88 Resp: 6378

Ion	Ratio	Lower	Upper
88	100		
43	90.2	43.5	65.3#
58	87.7	67.7	101.5

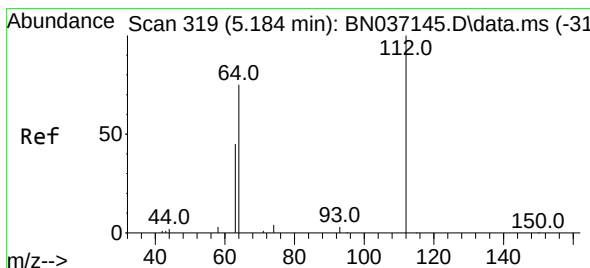
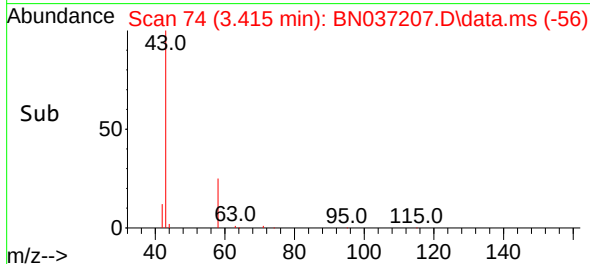
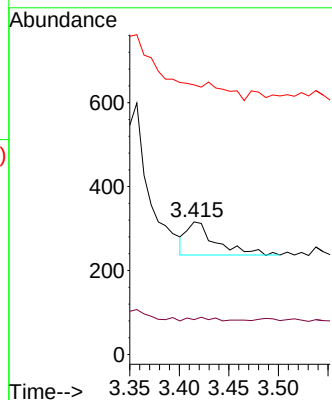
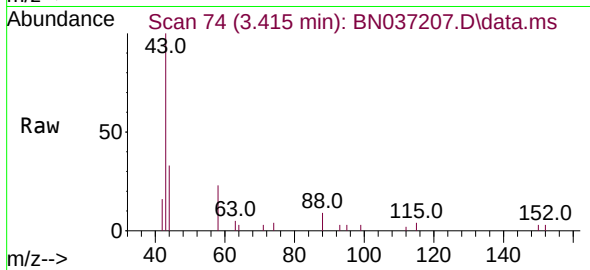




#3
n-Nitrosodimethylamine
Concen: 0.037 ng
RT: 3.415 min Scan# 74
Delta R.T. -0.022 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

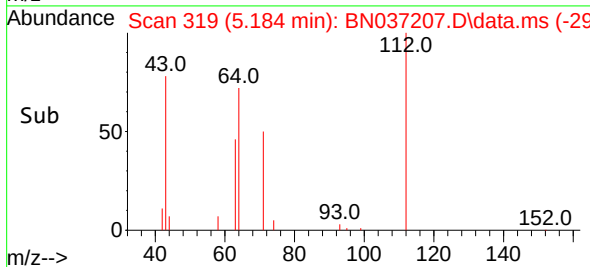
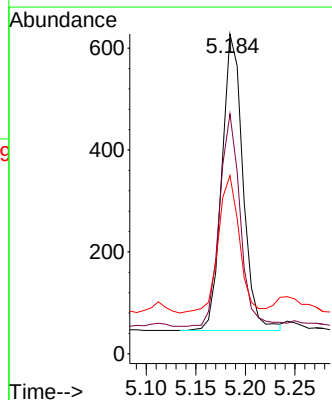
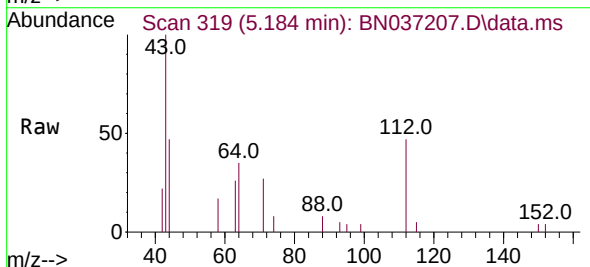
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

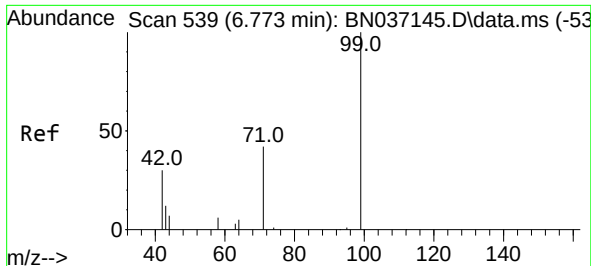
Tgt Ion: 42 Resp: 160
Ion Ratio Lower Upper
42 100
74 8.1 53.0 79.4#
44 0.0 5.9 8.9#



#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion: 112 Resp: 859
Ion Ratio Lower Upper
112 100
64 70.7 56.3 84.5
63 46.2 36.2 54.4

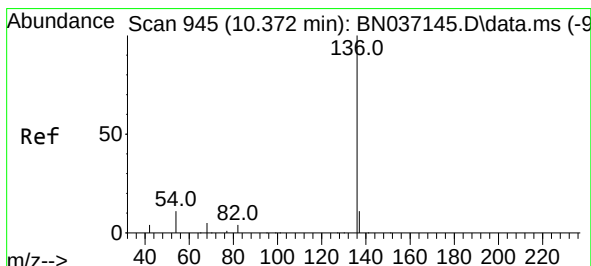
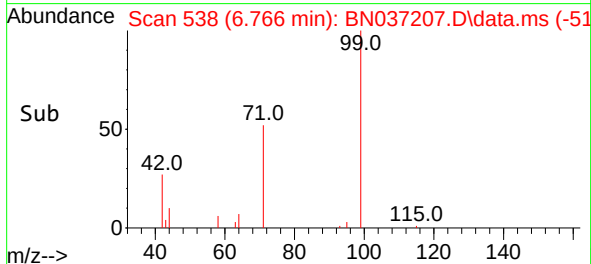
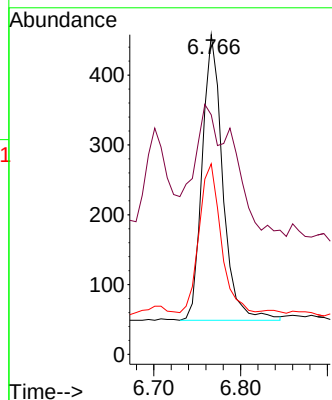
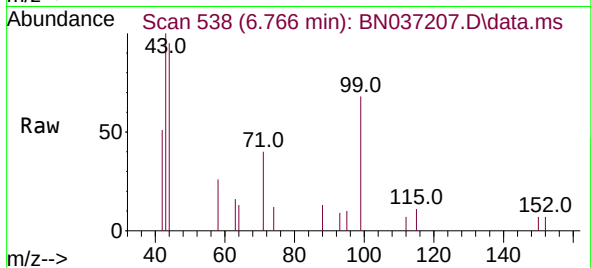




#5
Phenol-d6
Concen: 0.139 ng
RT: 6.766 min Scan# 531
Delta R.T. -0.007 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

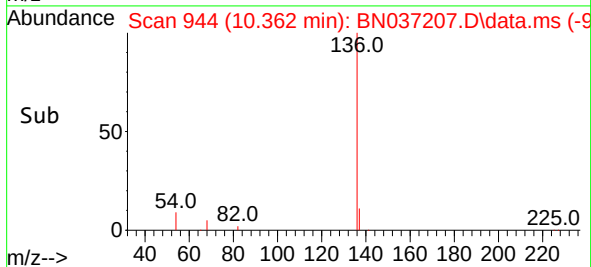
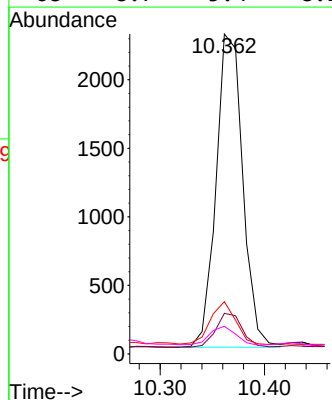
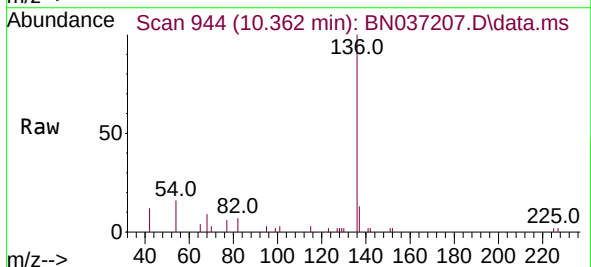
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425

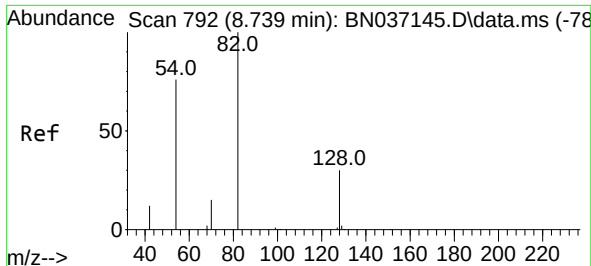
Tgt Ion: 99 Resp: 670
Ion Ratio Lower Upper
99 100
42 89.0 31.3 46.9#
71 55.5 38.2 57.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion: 136 Resp: 4076
Ion Ratio Lower Upper
136 100
137 12.7 9.7 14.5
54 16.3 9.7 14.5#
68 8.7 5.4 8.2#

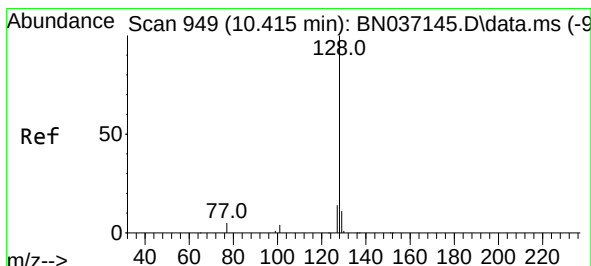
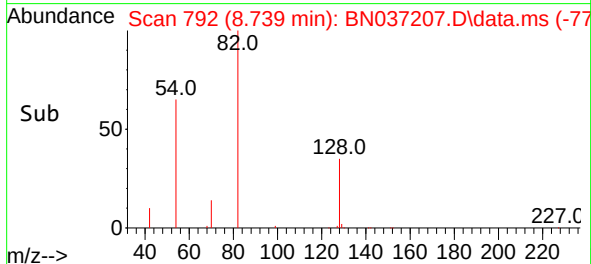
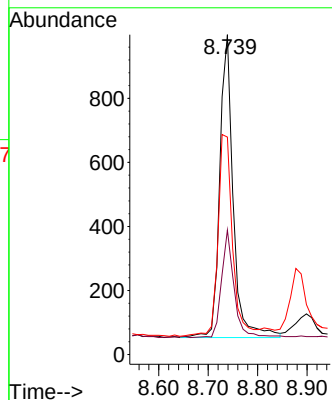
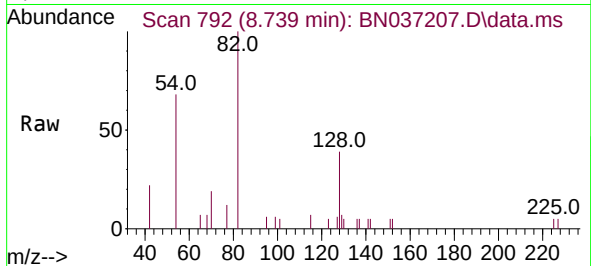




#8
Nitrobenzene-d5
Concen: 0.417 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

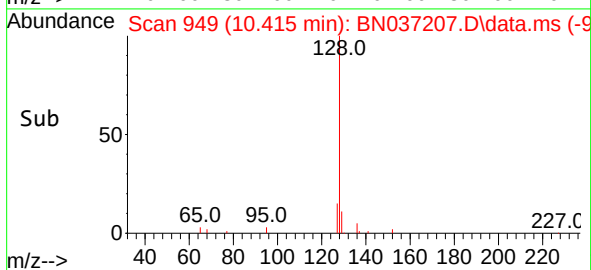
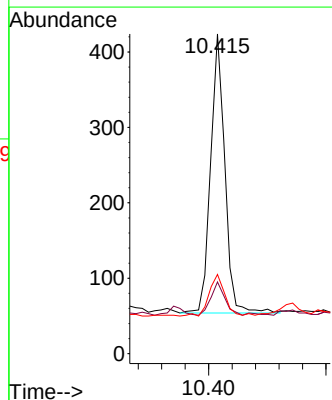
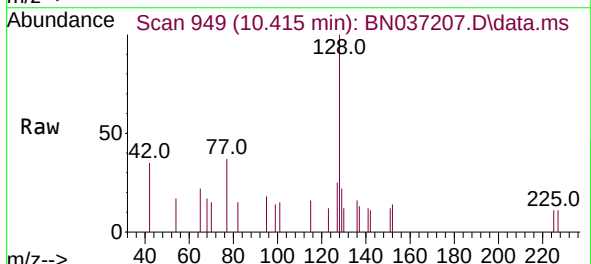
Instrument :
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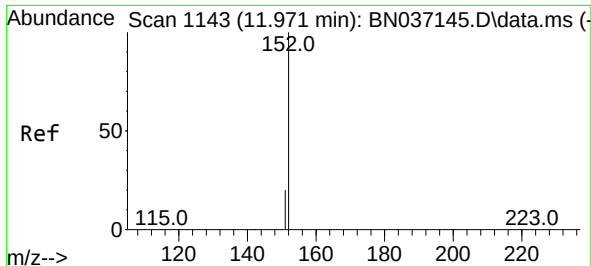
Tgt Ion: 82 Resp: 1794
Ion Ratio Lower Upper
82 100
128 38.9 26.9 40.3
54 68.0 61.4 92.2



#9
Naphthalene
Concen: 0.053 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion: 128 Resp: 623
Ion Ratio Lower Upper
128 100
129 22.4 9.8 14.8#
127 24.8 12.3 18.5#

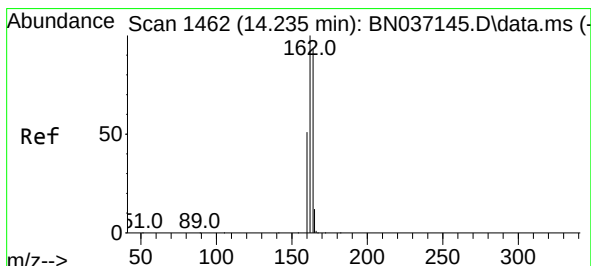
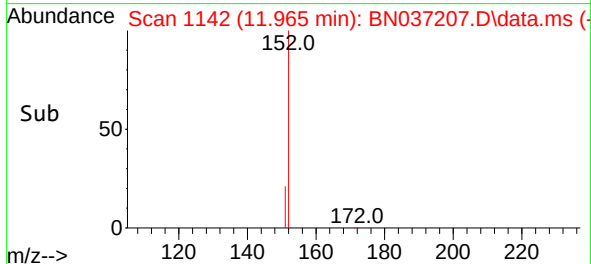
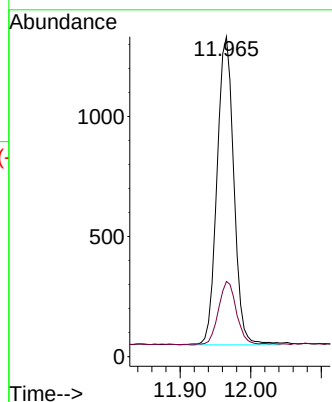
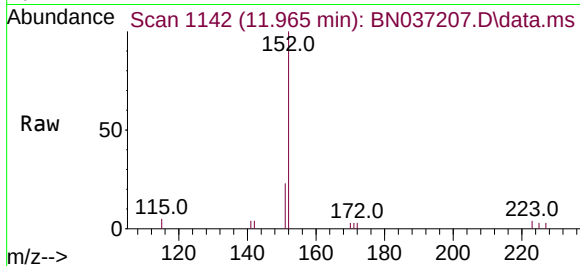




#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

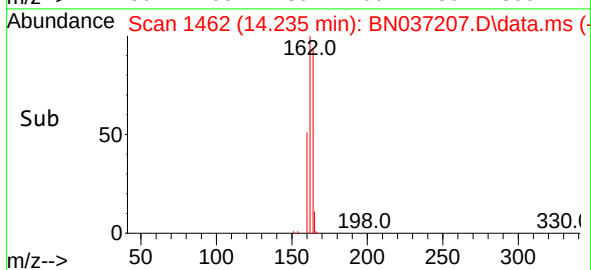
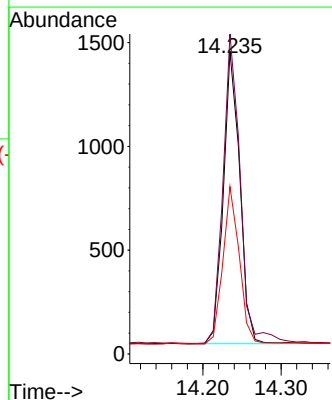
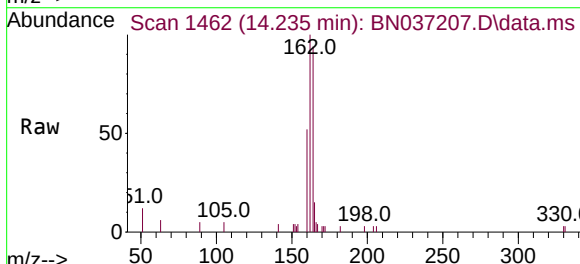
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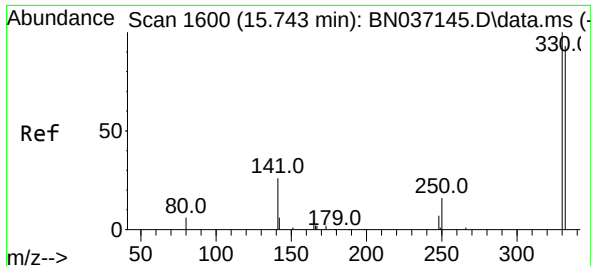
Tgt Ion:152 Resp: 2119
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:164 Resp: 2065
Ion Ratio Lower Upper
164 100
162 105.8 85.5 128.3
160 55.3 44.6 67.0

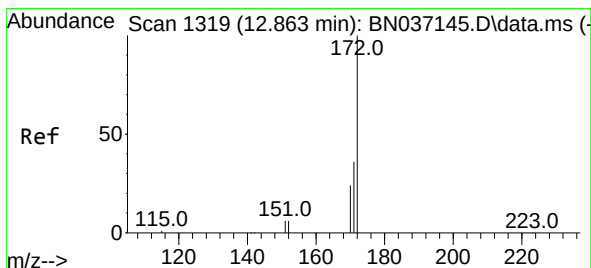
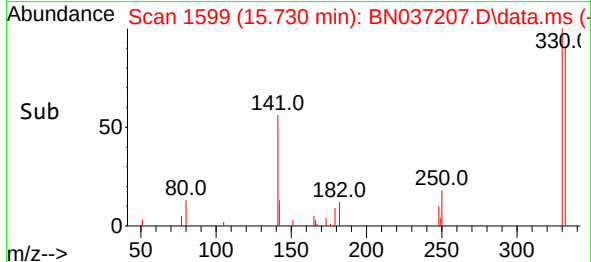
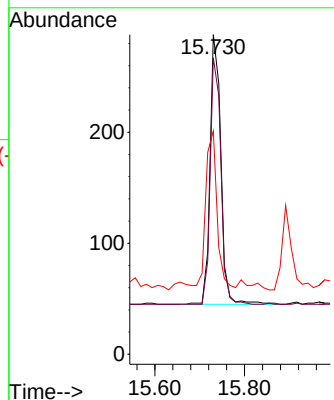
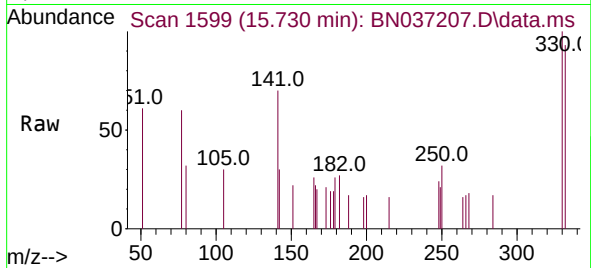




#14
2,4,6-Tribromophenol
Concen: 0.490 ng
RT: 15.730 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

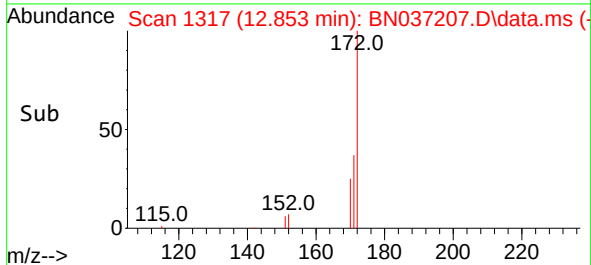
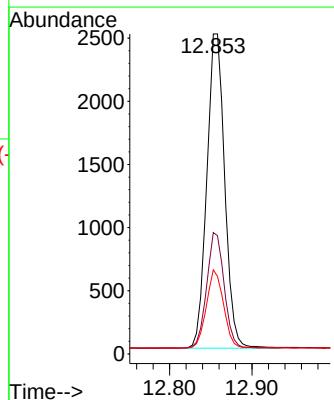
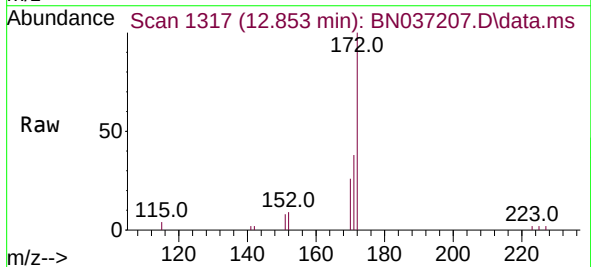
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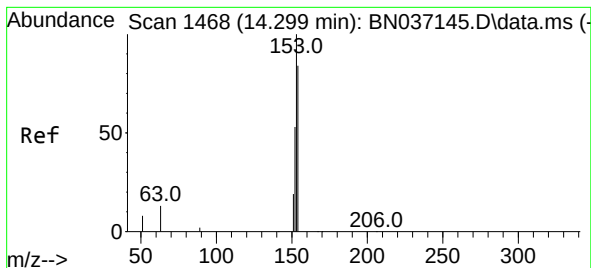
Tgt Ion:330 Resp: 407
Ion Ratio Lower Upper
330 100
332 89.9 77.1 115.7
141 62.2 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 12.853 min Scan# 1317
Delta R.T. -0.010 min
Lab File: BN037207.D
Acq: 10 Jun 2025 01:00

Tgt Ion:172 Resp: 3753
Ion Ratio Lower Upper
172 100
171 37.9 29.6 44.4
170 26.3 20.3 30.5





#17

Acenaphthene

Concen: 0.037 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

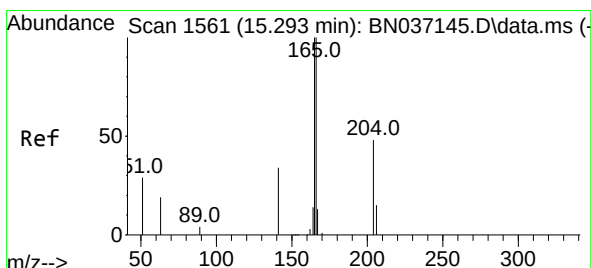
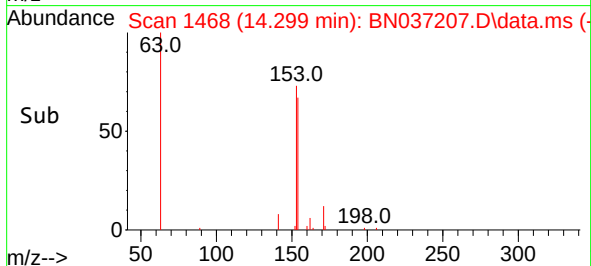
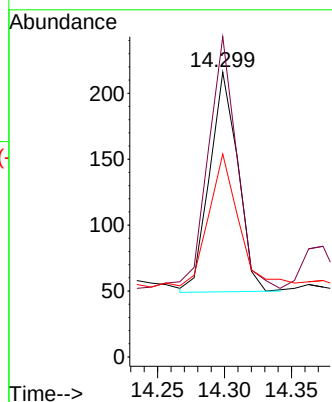
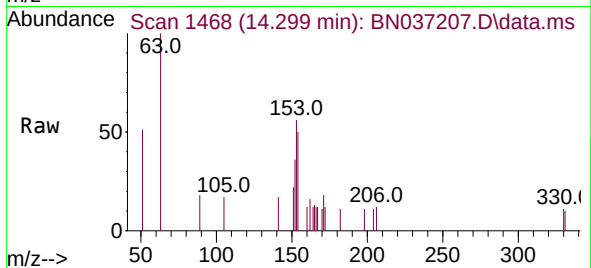
Tgt Ion:154 Resp: 244

Ion Ratio Lower Upper

154 100

153 116.4 93.8 140.8

152 66.0 50.5 75.7



#18

Fluorene

Concen: 0.020 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

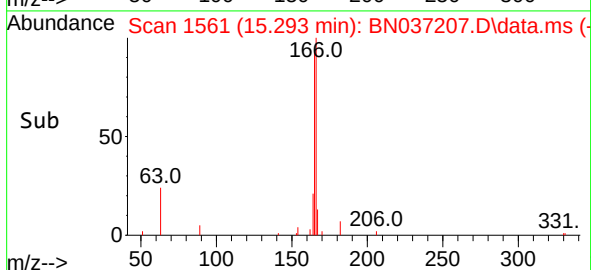
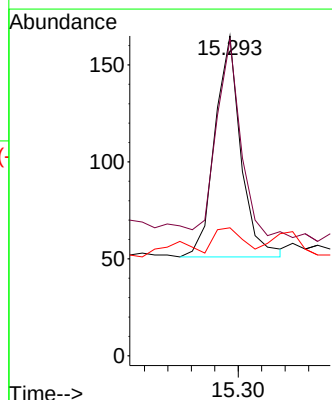
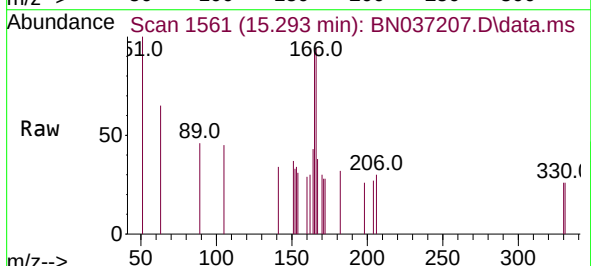
Tgt Ion:166 Resp: 176

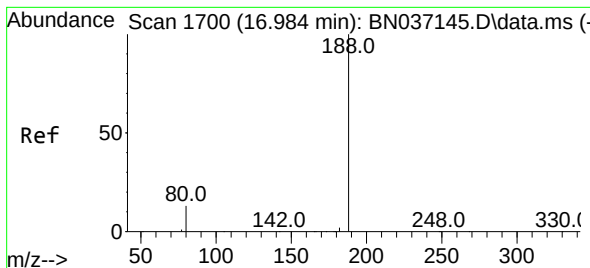
Ion Ratio Lower Upper

166 100

165 90.3 81.1 121.7

167 13.1 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

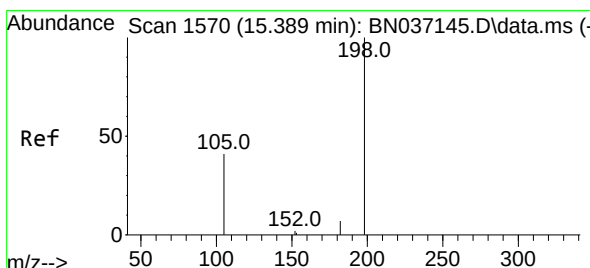
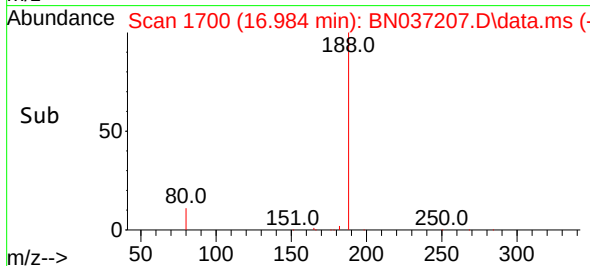
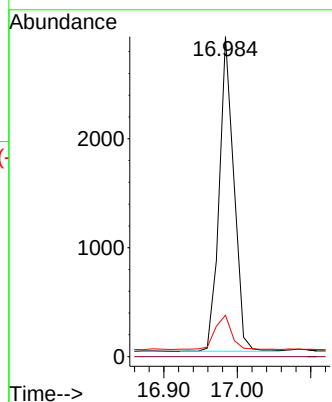
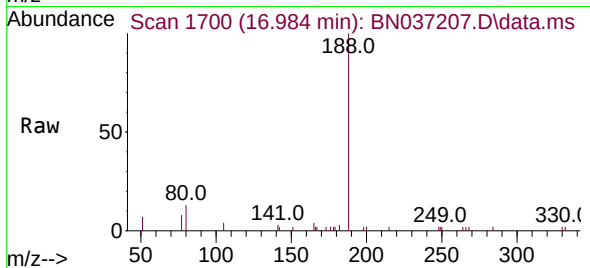
Tgt Ion:188 Resp: 4042

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.278 ng

RT: 15.346 min Scan# 1566

Delta R.T. -0.043 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

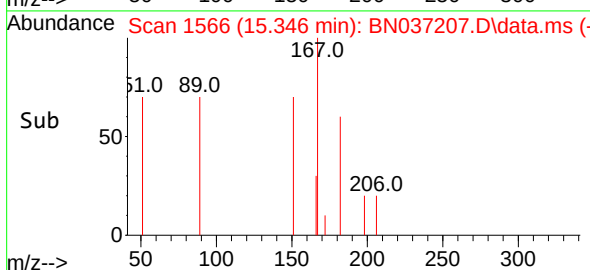
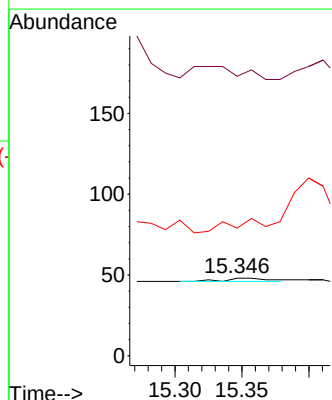
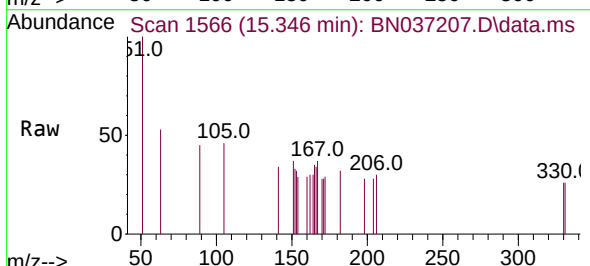
Tgt Ion:198 Resp: 4

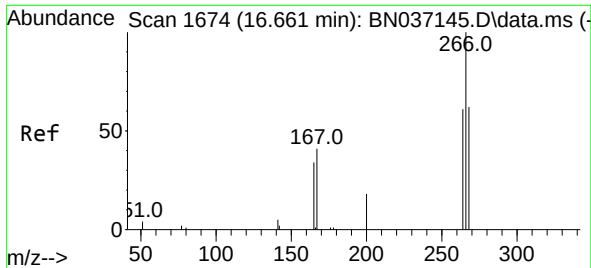
Ion Ratio Lower Upper

198 100

51 360.4 125.2 187.8#

105 164.6 57.1 85.7#

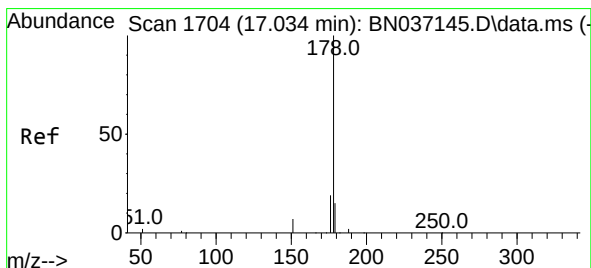
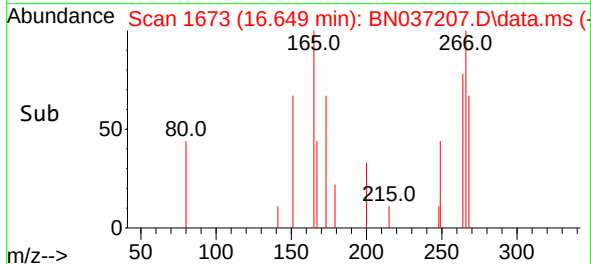
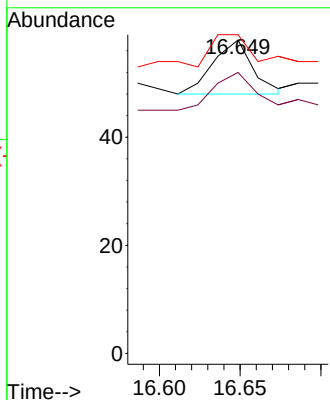
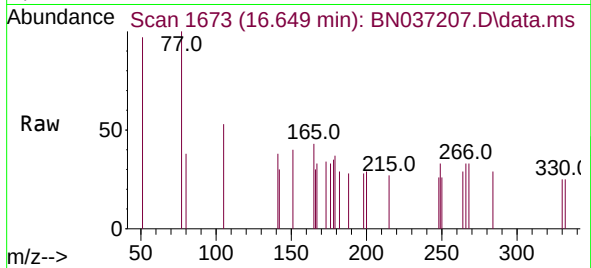




#24
 Pentachlorophenol
 Concen: 0.225 ng
 RT: 16.649 min Scan# 1673
 Delta R.T. -0.012 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

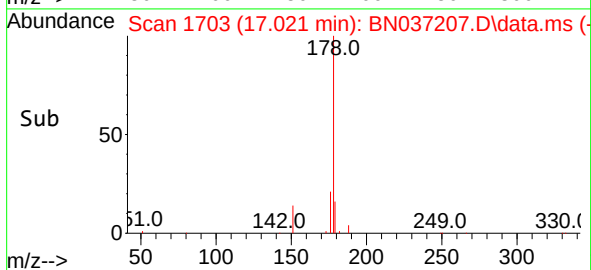
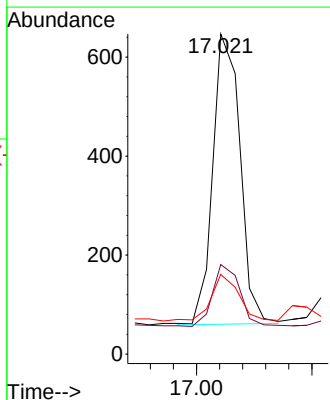
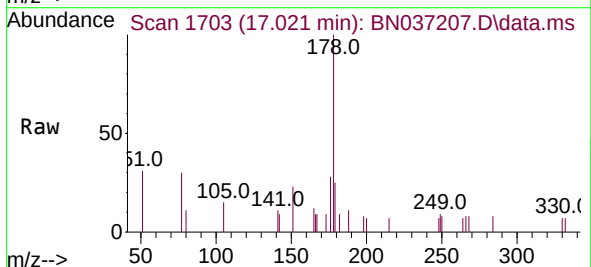
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

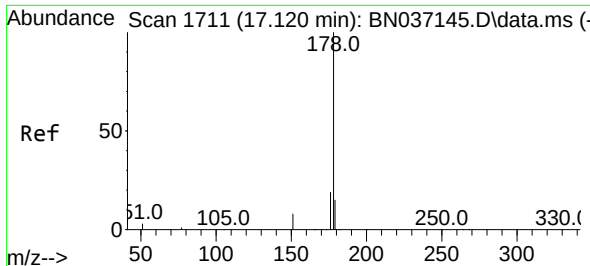
Tgt Ion:266 Resp: 17
 Ion Ratio Lower Upper
 266 100
 264 105.9 49.3 73.9#
 268 158.8 49.0 73.4#



#25
 Phenanthrene
 Concen: 0.074 ng
 RT: 17.021 min Scan# 1703
 Delta R.T. -0.013 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion:178 Resp: 963
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.7 23.5
 179 16.8 12.3 18.5

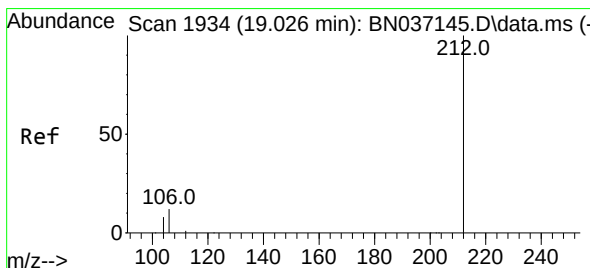
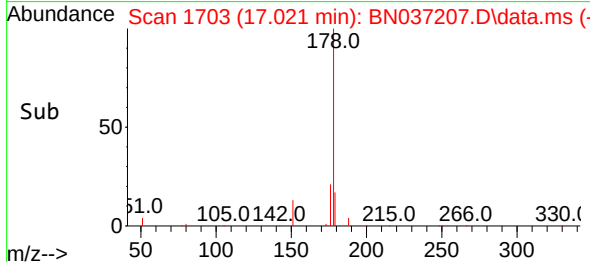
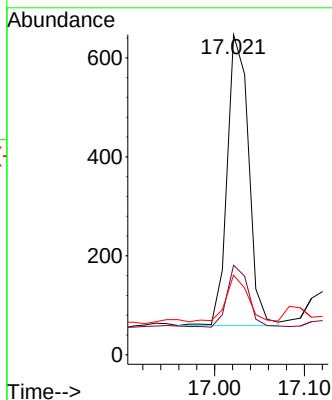
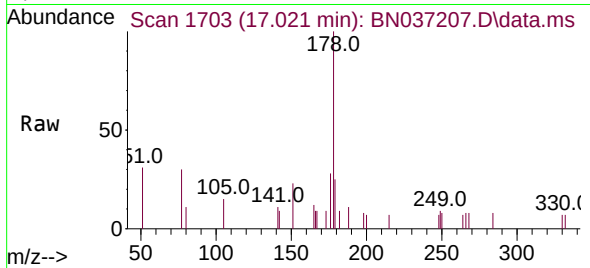




#26
 Anthracene
 Concen: 0.082 ng
 RT: 17.021 min Scan# 1711
 Delta R.T. -0.099 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

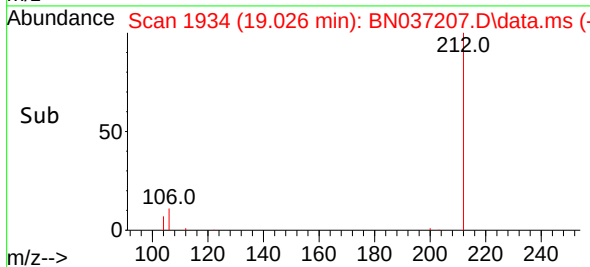
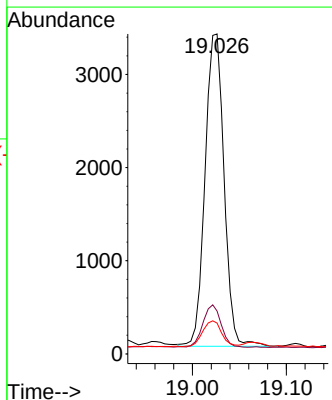
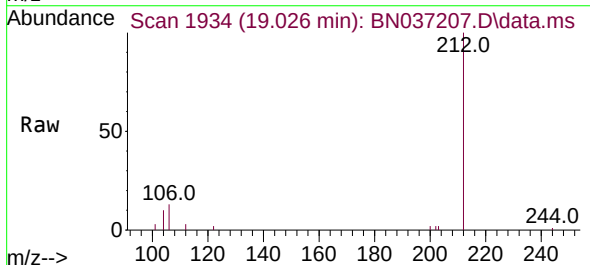
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

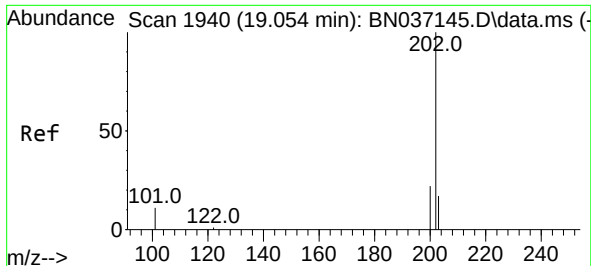
Tgt Ion:178	Resp:	976
Ion	Ratio	Lower Upper
178	100	
176	20.4	15.2 22.8
179	16.0	12.9 19.3



#27
 Fluoranthene-d10
 Concen: 0.459 ng
 RT: 19.026 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion:212	Resp:	4719
Ion	Ratio	Lower Upper
212	100	
106	13.0	10.6 15.8
104	8.3	6.6 9.8

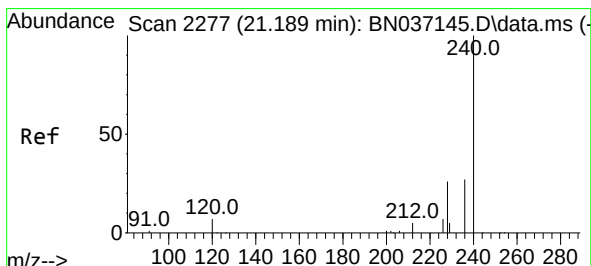
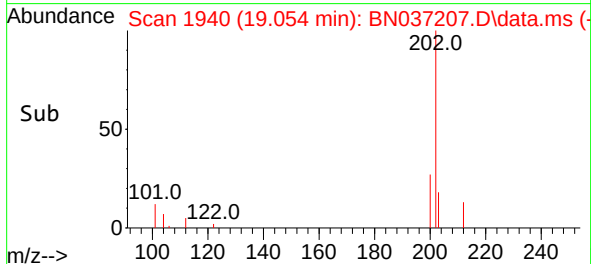
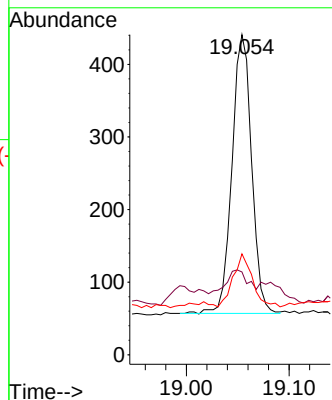
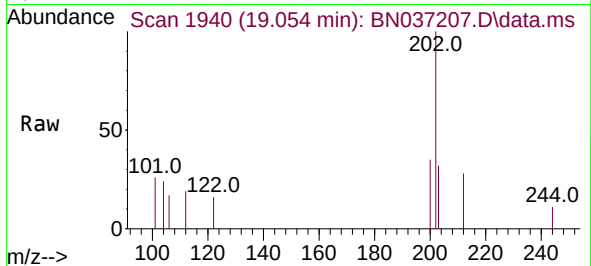




#28
 Fluoranthene
 Concen: 0.035 ng
 RT: 19.054 min Scan# 1940
 Delta R.T. -0.000 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

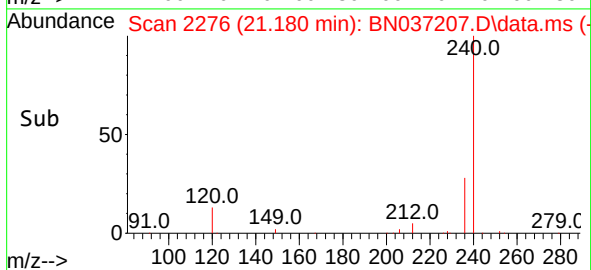
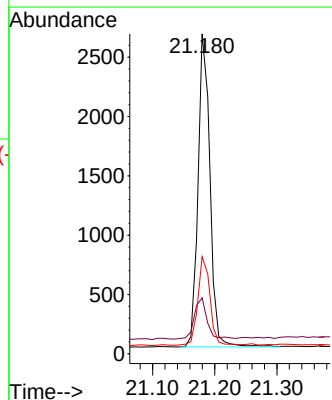
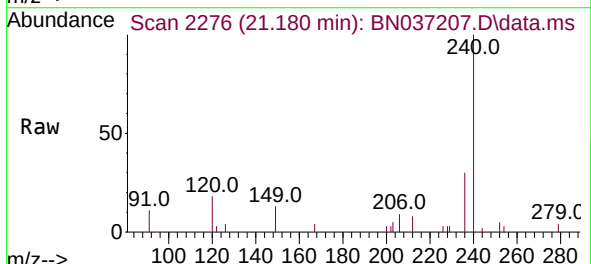
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

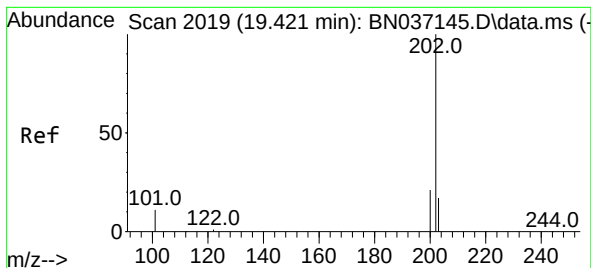
Tgt Ion:202 Resp: 509
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.7 13.1
 203 18.7 13.5 20.3



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.180 min Scan# 2276
 Delta R.T. -0.009 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion:240 Resp: 3508
 Ion Ratio Lower Upper
 240 100
 120 17.5 9.0 13.4#
 236 30.4 23.0 34.4





#30

Pyrene

Concen: 0.028 ng

RT: 19.416 min Scan# 20

Delta R.T. -0.005 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425

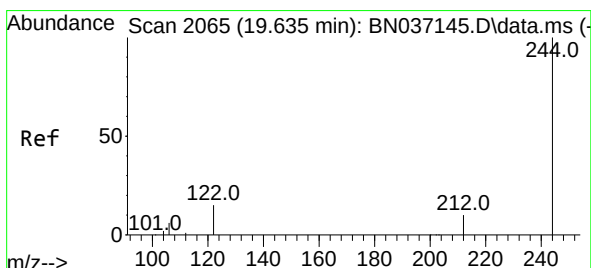
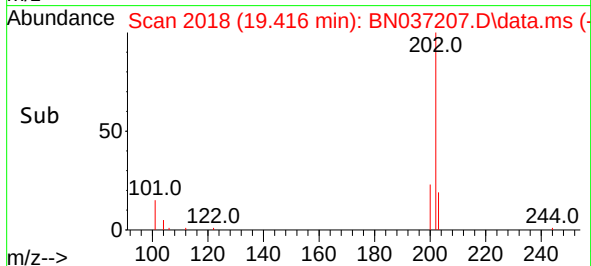
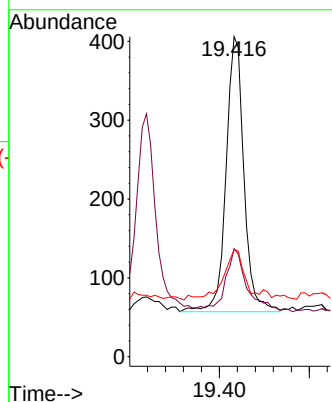
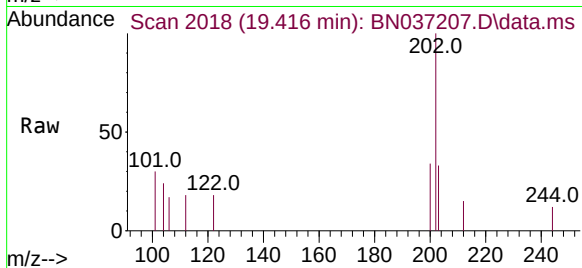
Tgt Ion:202 Resp: 483

Ion Ratio Lower Upper

202 100

200 27.3 17.0 25.6#

203 17.6 14.2 21.4



#31

Terphenyl-d14

Concen: 0.432 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037207.D

Acq: 10 Jun 2025 01:00

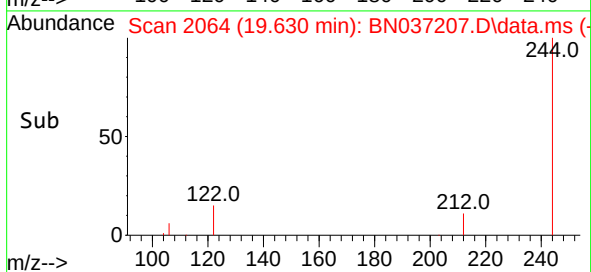
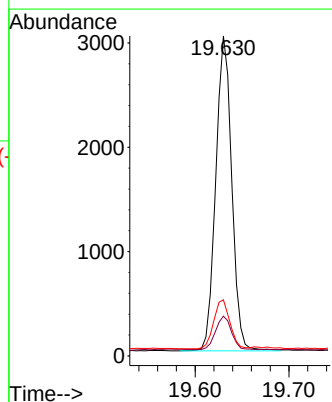
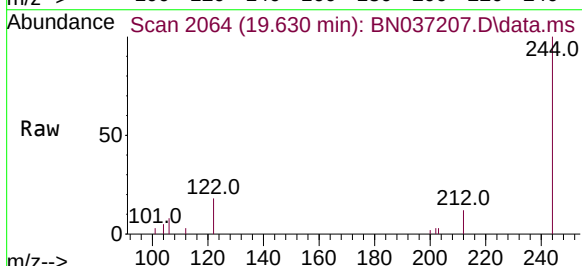
Tgt Ion:244 Resp: 3566

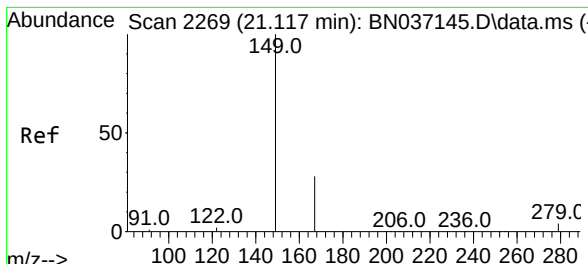
Ion Ratio Lower Upper

244 100

212 12.5 10.0 15.0

122 17.5 13.2 19.8

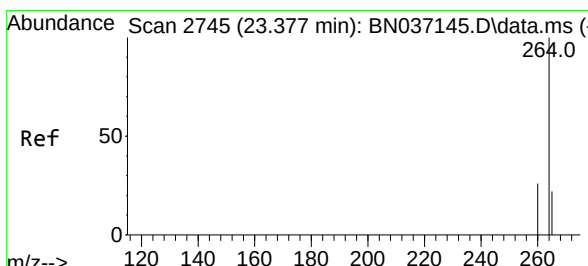
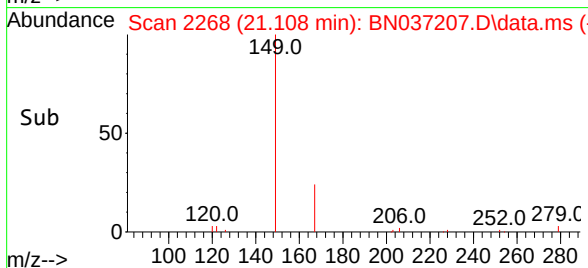
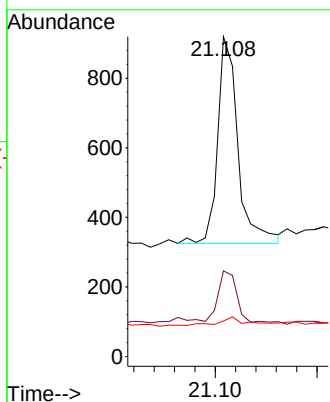
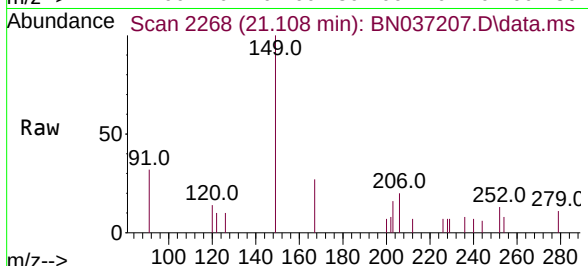




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.104 ng
 RT: 21.108 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425

Tgt Ion:	149	Resp:	831
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.0	31.4
279	4.6	2.9	4.3



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN037207.D
 Acq: 10 Jun 2025 01:00

Tgt Ion:	264	Resp:	3584
Ion Ratio	Lower	Upper	
264	100		
260	27.2	22.1	33.1
265	67.4	55.8	83.8

