

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037209.D
 Acq On : 10 Jun 2025 02:12
 Operator : RC/JU
 Sample : Q2234-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

Quant Time: Jun 10 04:05:48 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)

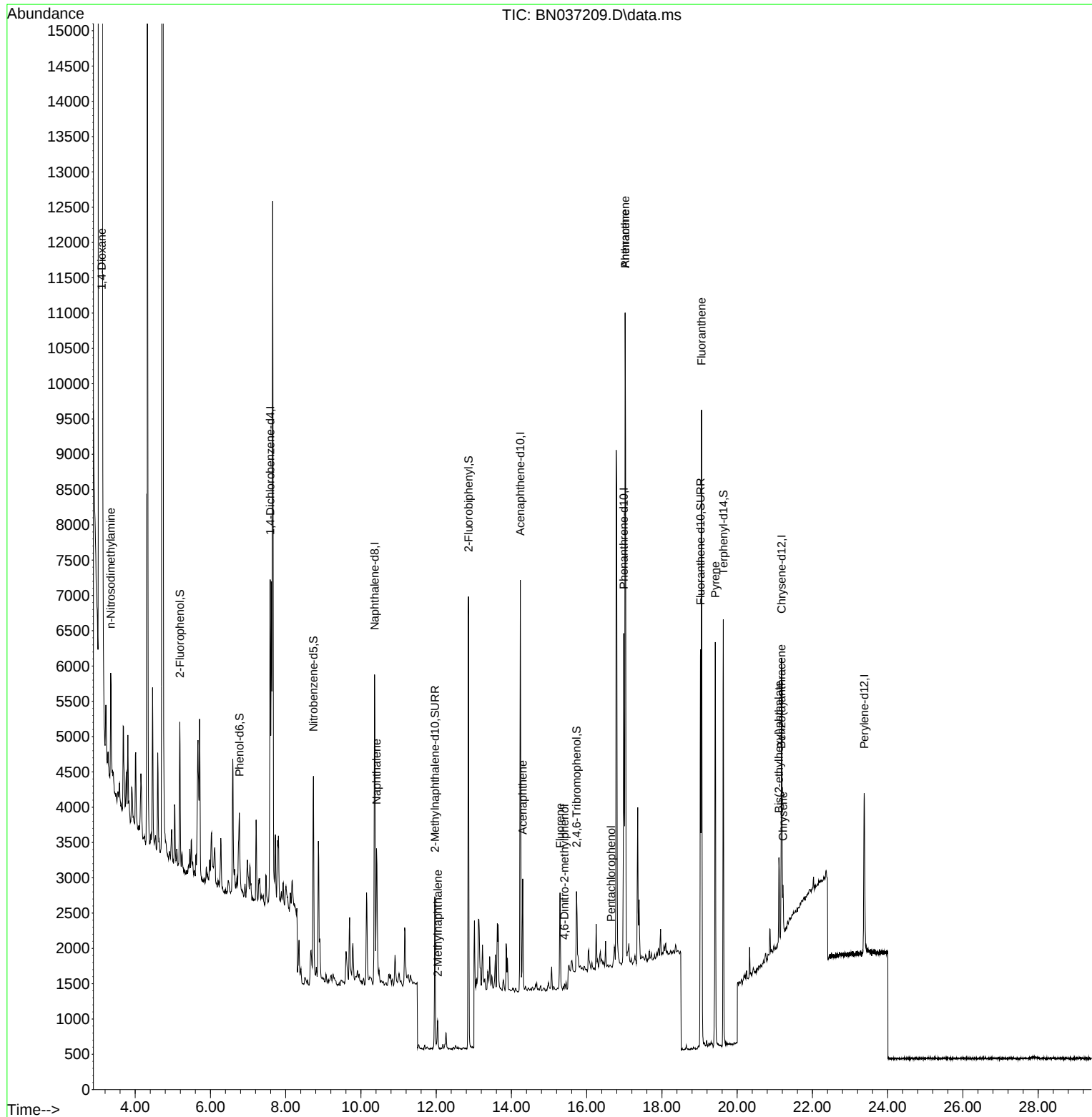
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2075	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5375	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	3061	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5755	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3593	0.400	ng	# 0.00
35) Perylene-d12	23.374	264	3061	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1124	0.219	ng	0.00
5) Phenol-d6	6.773	99	919	0.148	ng	0.00
8) Nitrobenzene-d5	8.739	82	2331	0.411	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2886	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	560	0.454	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	5407	0.414	ng	0.00
27) Fluoranthene-d10	19.026	212	6173	0.422	ng	0.00
31) Terphenyl-d14	19.630	244	5287	0.625	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.111	88	15105	5.461	ng	96
3) n-Nitrosodimethylamine	3.350	42	751	0.135	ng	# 26
9) Naphthalene	10.415	128	1782	0.115	ng	# 92
12) 2-Methylnaphthalene	12.041	142	277	0.028	ng	# 90
17) Acenaphthene	14.299	154	706	0.072	ng	99
18) Fluorene	15.293	166	795	0.062	ng	93
20) 4,6-Dinitro-2-methylph...	15.410	198	3	0.276	ng	# 1
24) Pentachlorophenol	16.649	266	17	0.222	ng	# 66
25) Phenanthrene	17.021	178	10041	0.539	ng	100
26) Anthracene	17.021	178	10041	0.590	ng	98
28) Fluoranthene	19.054	202	7738	0.376	ng	99
30) Pyrene	19.416	202	5158	0.294	ng	# 93
32) Benzo(a)anthracene	21.171	228	470	0.036	ng	# 76
33) Chrysene	21.215	228	659	0.046	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.108	149	1263	0.154	ng	100

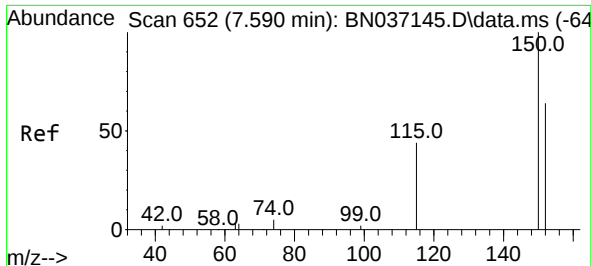
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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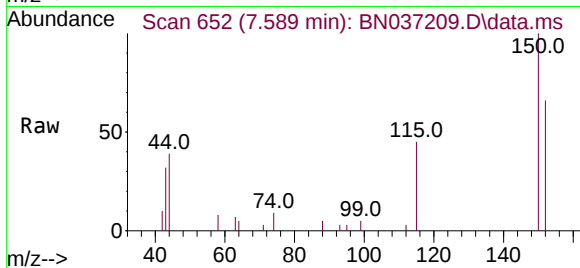
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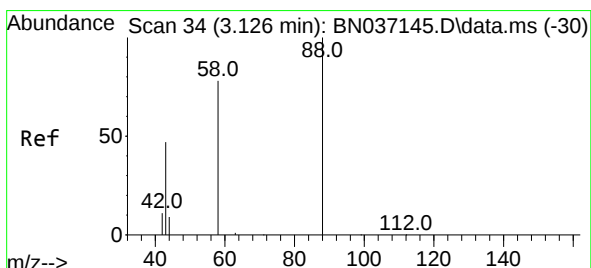
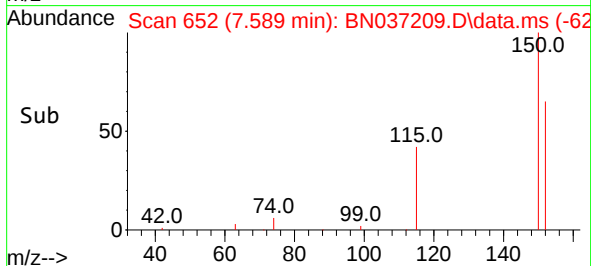
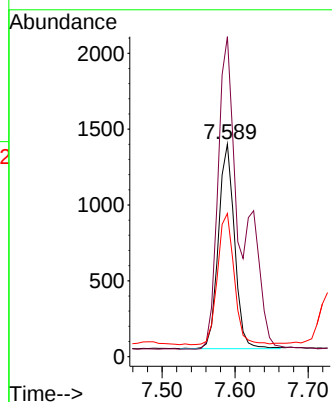
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425



Tgt Ion: 152 Resp: 2075

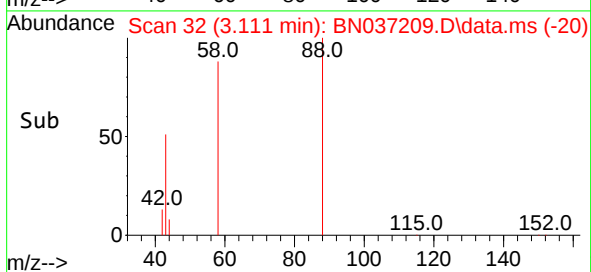
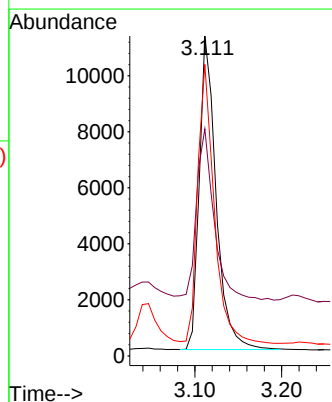
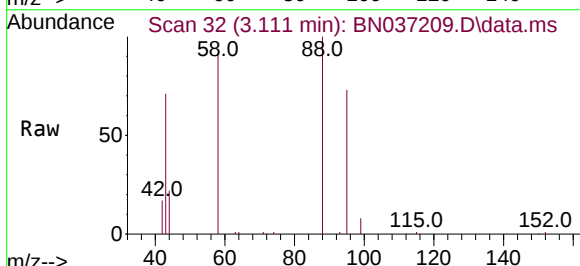
Ion	Ratio	Lower	Upper
152	100		
150	150.5	123.2	184.8
115	67.3	56.6	85.0

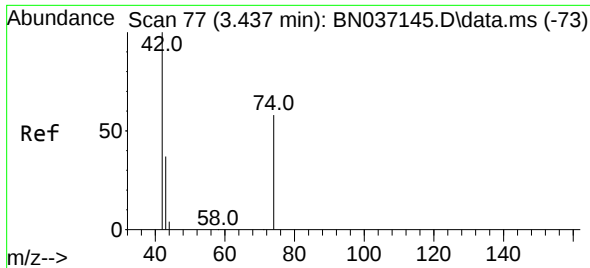


#2
 1,4-Dioxane
 Concen: 5.461 ng
 RT: 3.111 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

Tgt Ion: 88 Resp: 15105

Ion	Ratio	Lower	Upper
88	100		
43	57.6	43.5	65.3
58	87.7	67.7	101.5

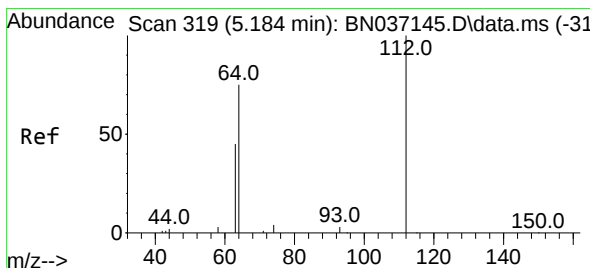
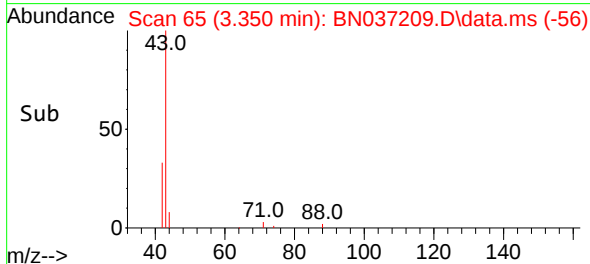
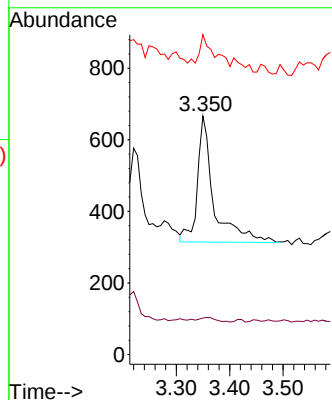
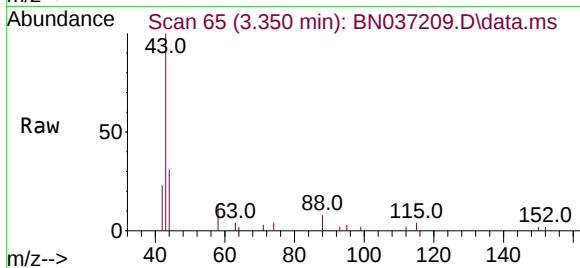




#3
 n-Nitrosodimethylamine
 Concen: 0.135 ng
 RT: 3.350 min Scan# 61
 Delta R.T. -0.087 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

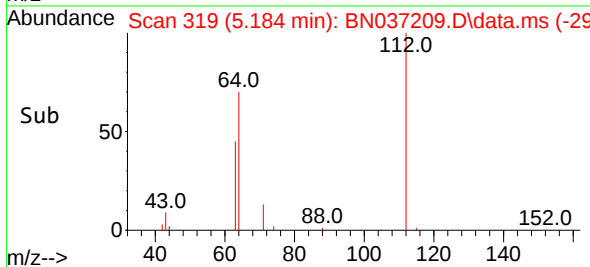
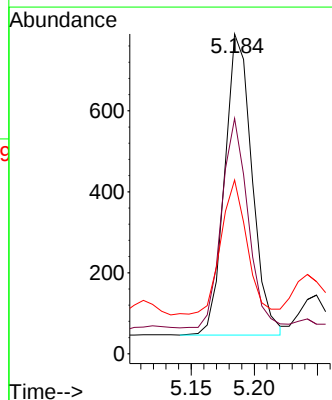
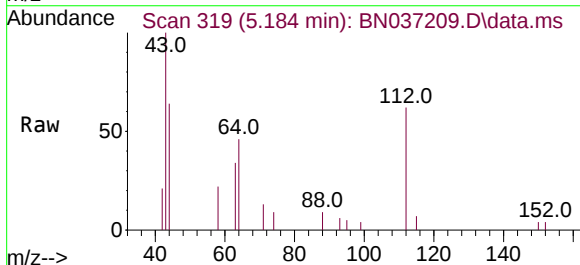
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

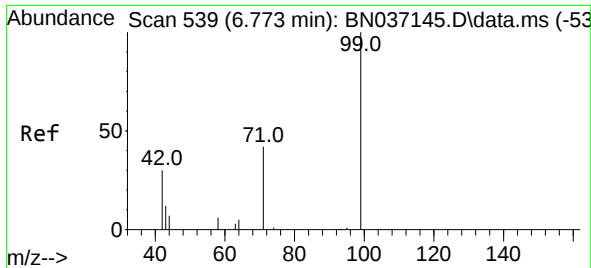
Tgt Ion: 42 Resp: 751
 Ion Ratio Lower Upper
 42 100
 74 4.1 53.0 79.4#
 44 19.8 5.9 8.9#



#4
 2-Fluorophenol
 Concen: 0.219 ng
 RT: 5.184 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

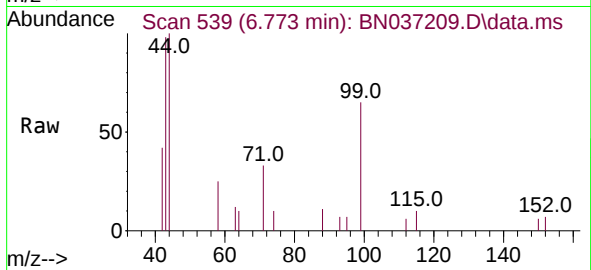
Tgt Ion: 112 Resp: 1124
 Ion Ratio Lower Upper
 112 100
 64 67.5 56.3 84.5
 63 42.9 36.2 54.4



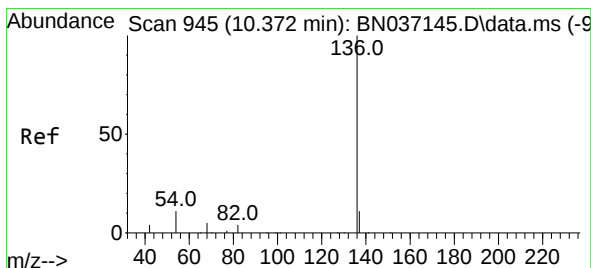
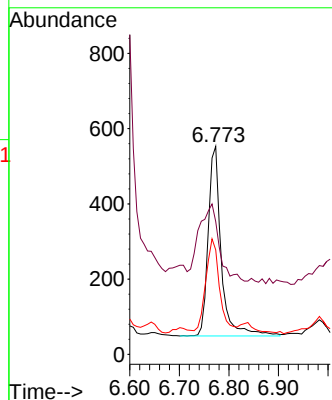
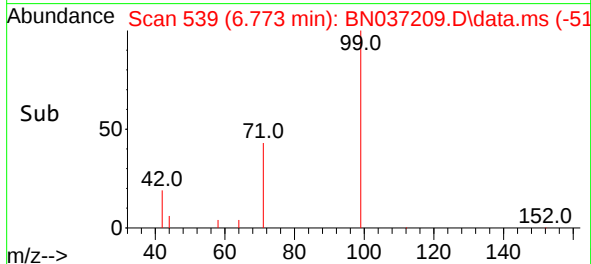


#5
Phenol-d6
Concen: 0.148 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

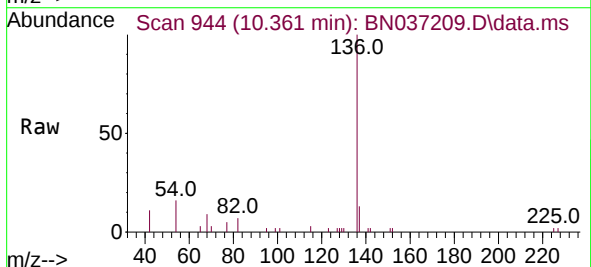
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425



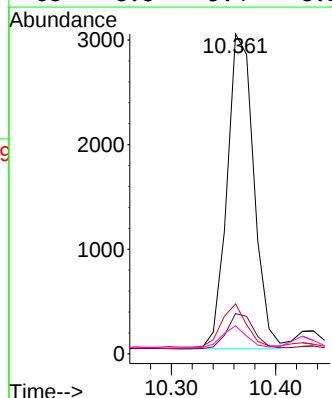
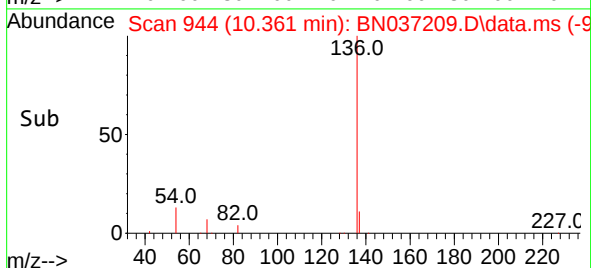
Tgt Ion: 99 Resp: 919
Ion Ratio Lower Upper
99 100
42 62.8 31.3 46.9#
71 50.4 38.2 57.2

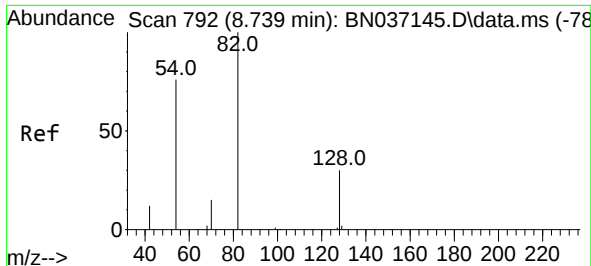


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12



Tgt Ion: 136 Resp: 5375
Ion Ratio Lower Upper
136 100
137 12.6 9.7 14.5
54 15.6 9.7 14.5#
68 8.8 5.4 8.2#

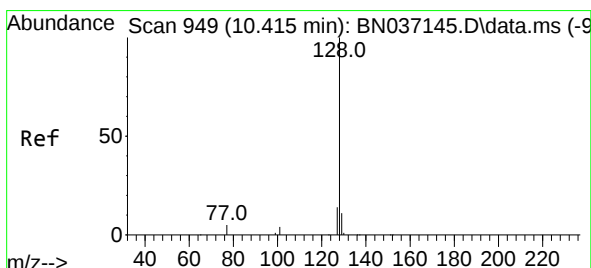
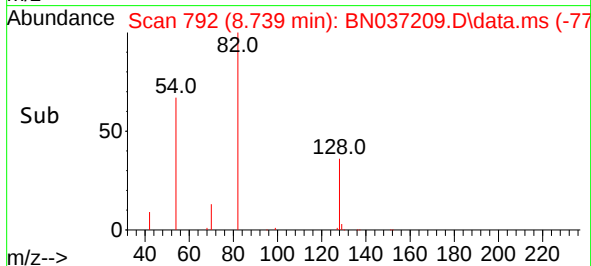
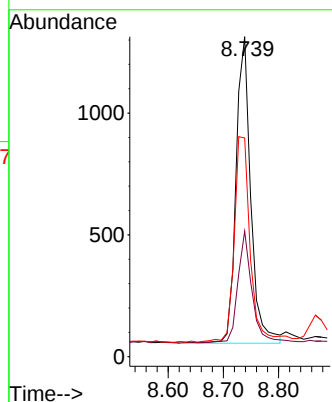
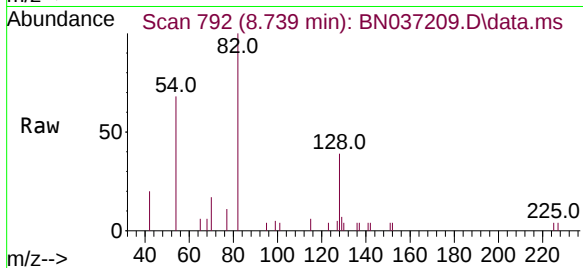




#8
Nitrobenzene-d5
Concen: 0.411 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

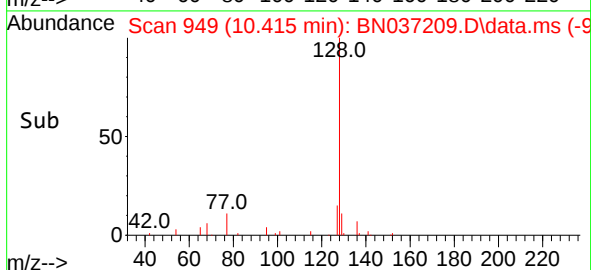
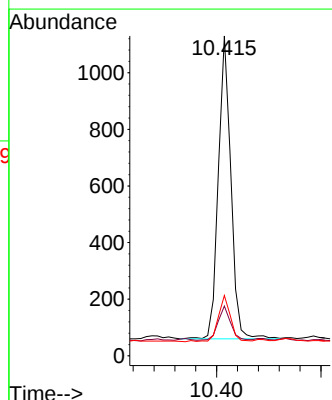
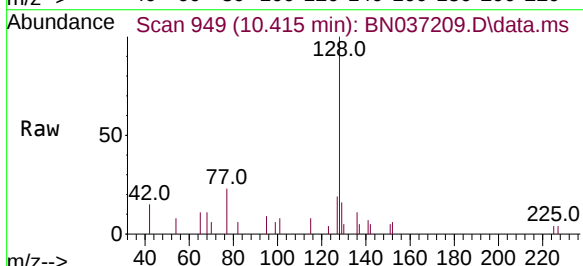
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

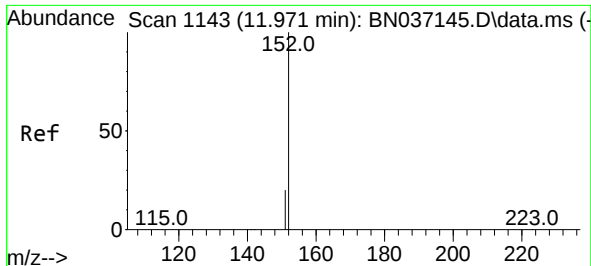
Tgt Ion:	82	Resp:	2331
Ion	Ratio	Lower	Upper
82	100		
128	39.3	26.9	40.3
54	68.3	61.4	92.2



#9
Naphthalene
Concen: 0.115 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:	128	Resp:	1782
Ion	Ratio	Lower	Upper
128	100		
129	15.6	9.8	14.8#
127	18.8	12.3	18.5#

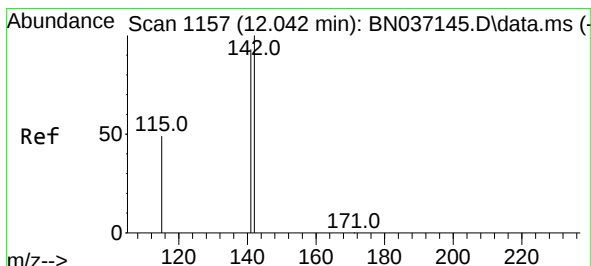
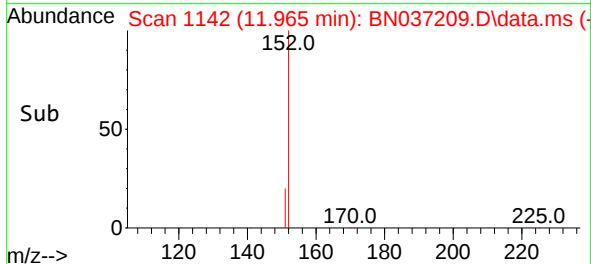
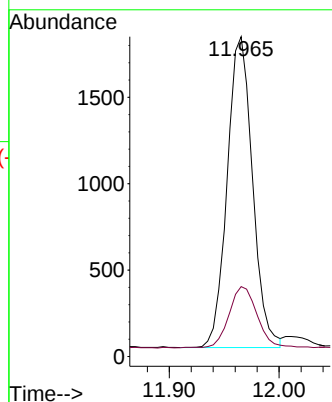
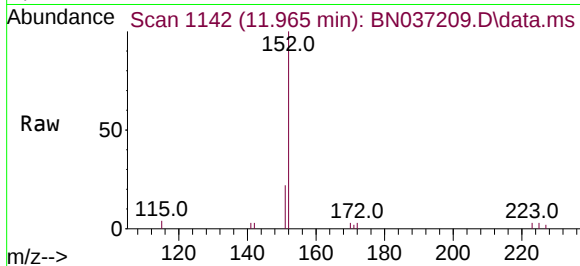




#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 11.965 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

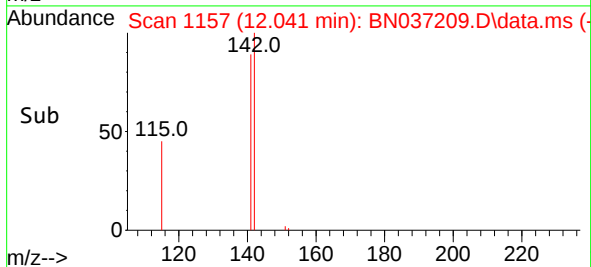
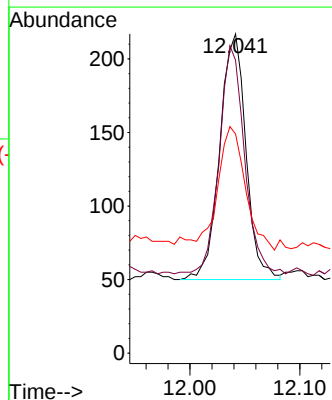
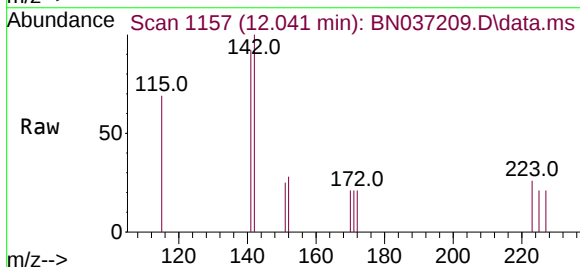
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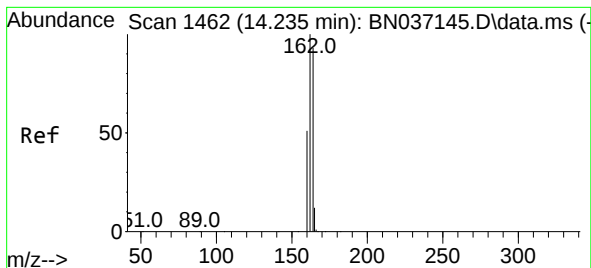
Tgt Ion:152 Resp: 2886
Ion Ratio Lower Upper
152 100
151 22.1 17.1 25.7



#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:142 Resp: 277
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8
115 68.7 41.0 61.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.234 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

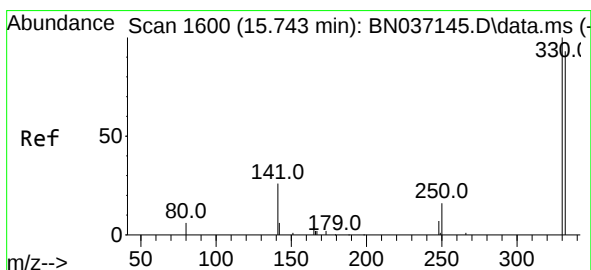
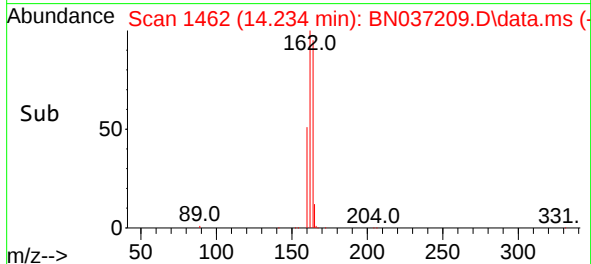
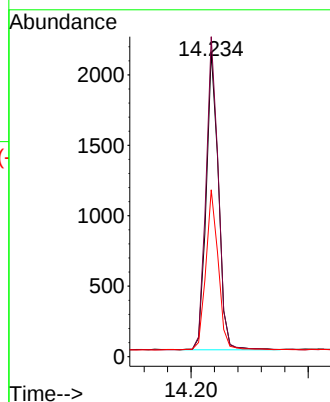
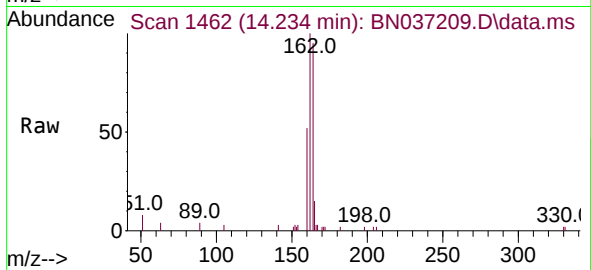
Tgt Ion:164 Resp: 3061

Ion Ratio Lower Upper

164 100

162 105.0 85.5 128.3

160 54.7 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.454 ng

RT: 15.730 min Scan# 1599

Delta R.T. -0.013 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

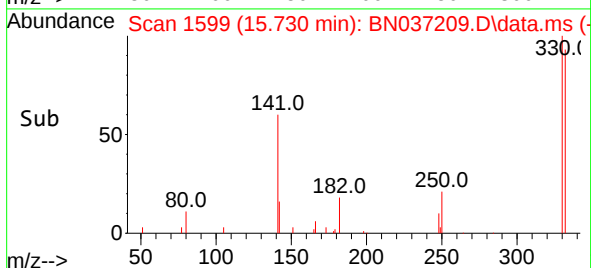
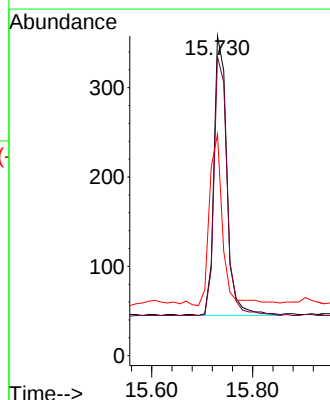
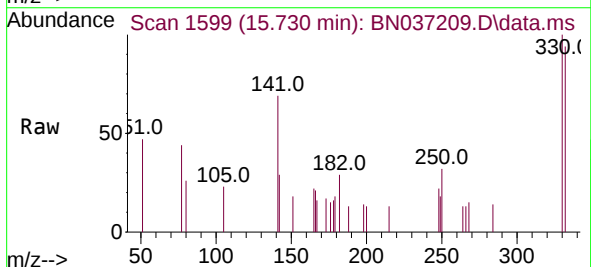
Tgt Ion:330 Resp: 560

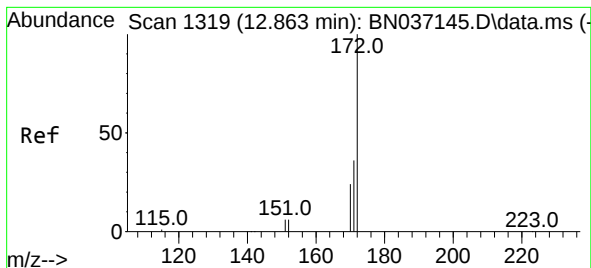
Ion Ratio Lower Upper

330 100

332 93.0 77.1 115.7

141 62.0 46.4 69.6





#15

2-Fluorobiphenyl

Concen: 0.414 ng

RT: 12.858 min Scan# 1318

Delta R.T. -0.005 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

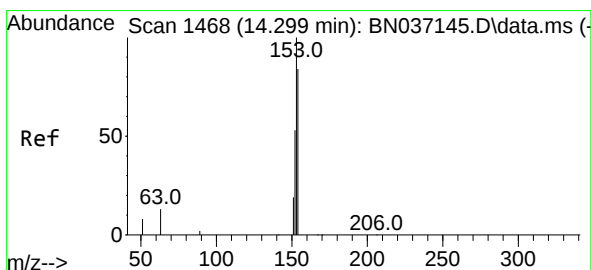
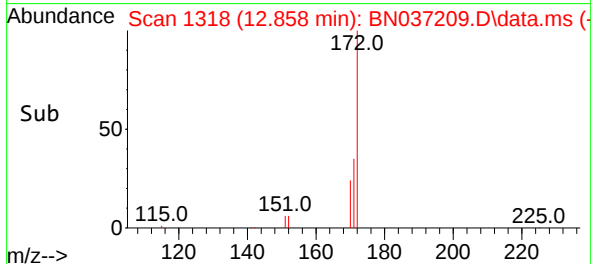
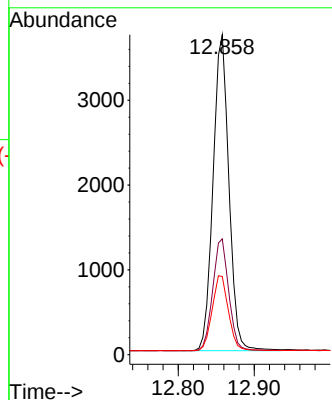
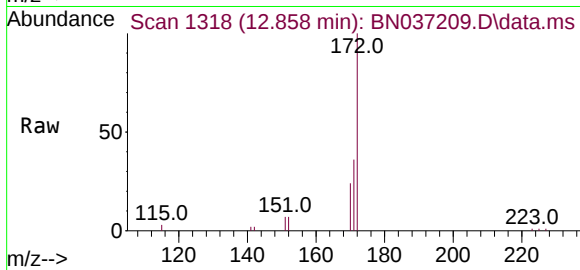
Tgt Ion:172 Resp: 5407

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

170 24.5 20.3 30.5



#17

Acenaphthene

Concen: 0.072 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

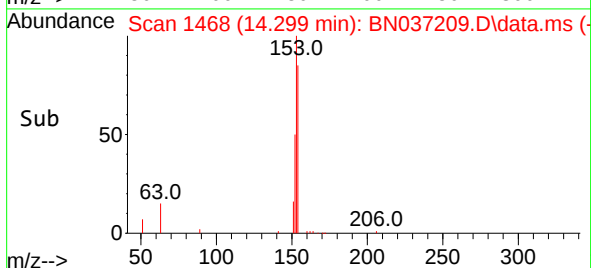
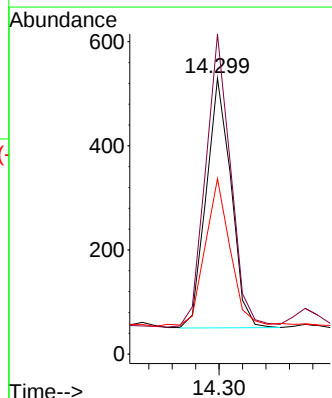
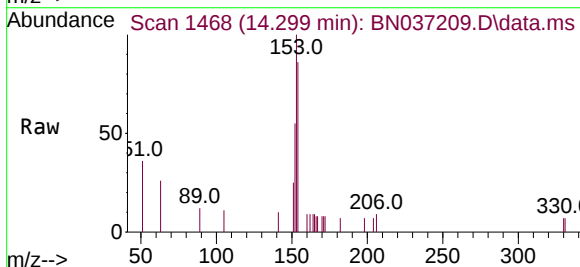
Tgt Ion:154 Resp: 706

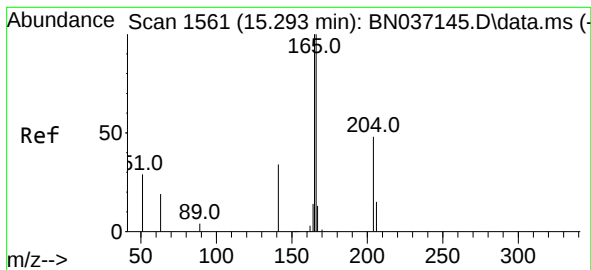
Ion Ratio Lower Upper

154 100

153 118.3 93.8 140.8

152 62.7 50.5 75.7





#18

Fluorene

Concen: 0.062 ng

RT: 15.293 min Scan# 1561

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

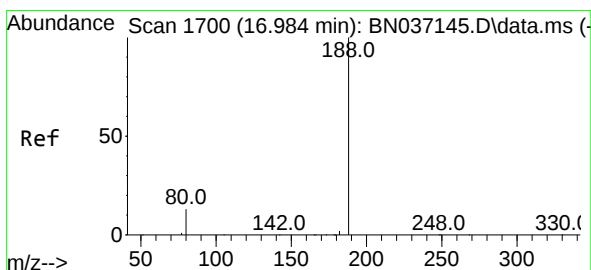
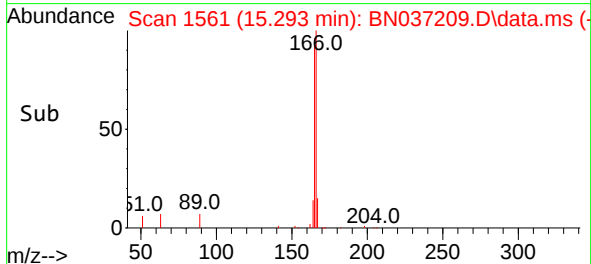
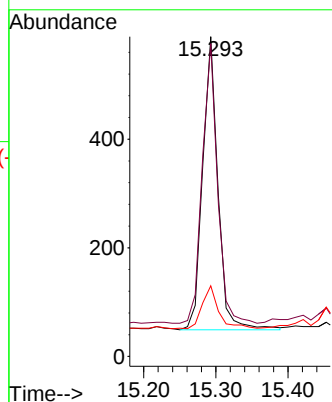
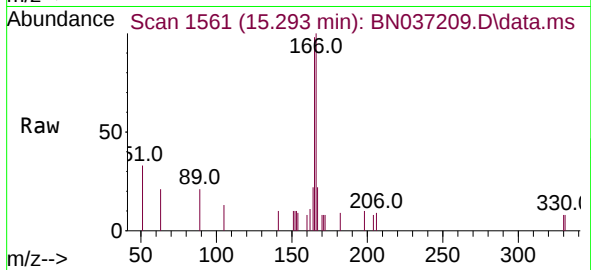
Tgt Ion:166 Resp: 795

Ion Ratio Lower Upper

166 100

165 94.6 81.1 121.7

167 15.8 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1700

Delta R.T. -0.000 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

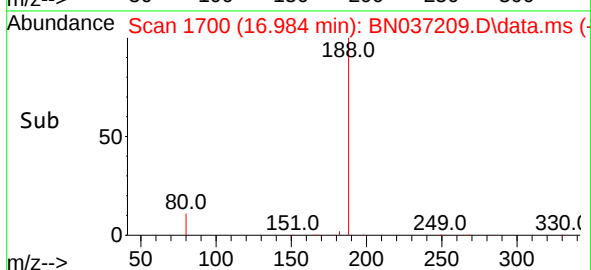
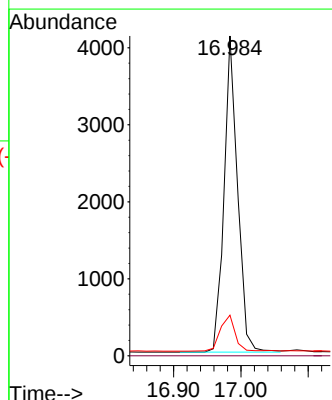
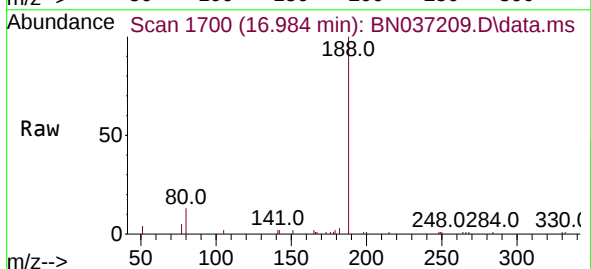
Tgt Ion:188 Resp: 5755

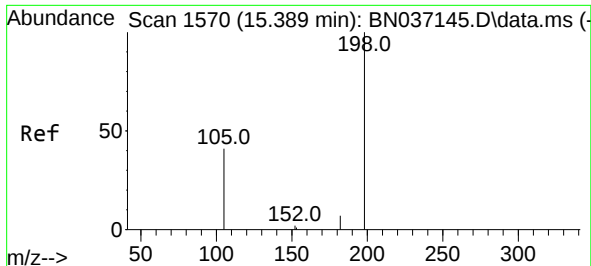
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.7 11.3 16.9

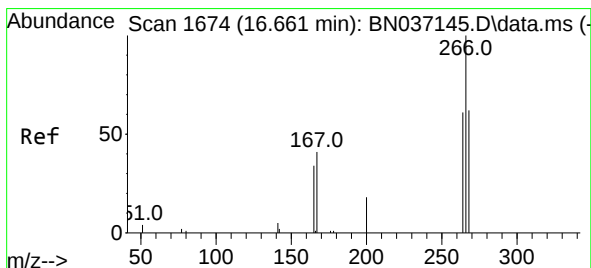
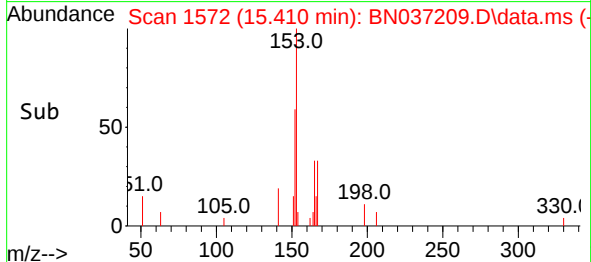
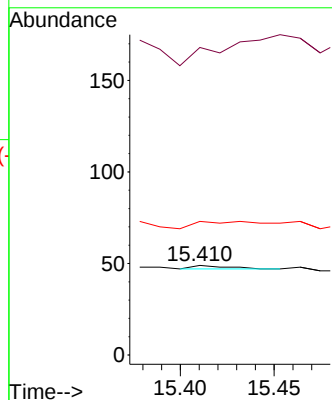
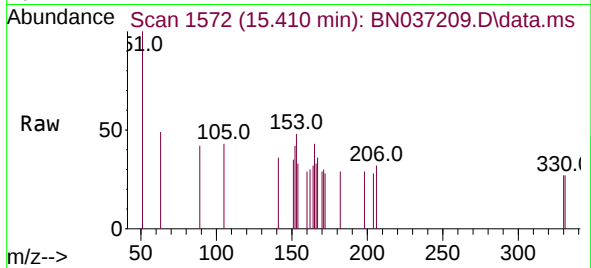




#20
4,6-Dinitro-2-methylphenol
Concen: 0.276 ng
RT: 15.410 min Scan# 1572
Delta R.T. 0.021 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

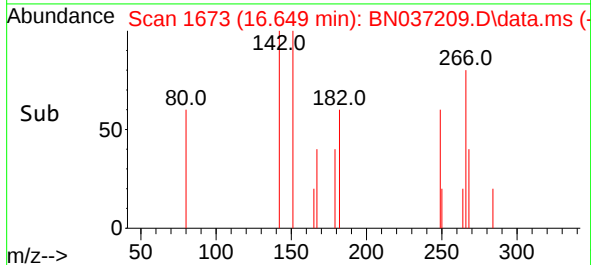
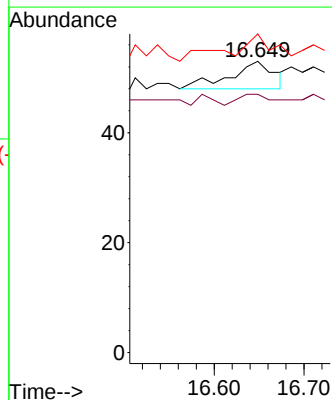
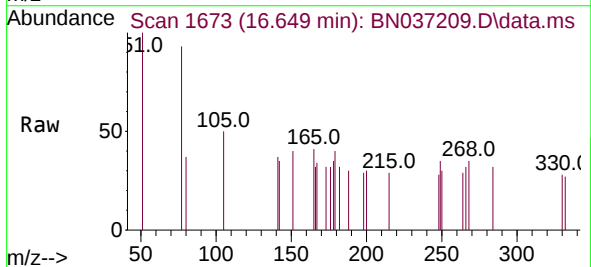
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

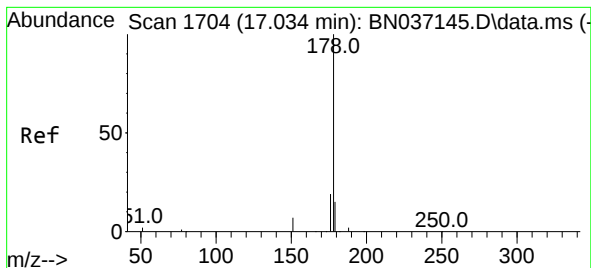
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
51 342.9 125.2 187.8#
105 149.0 57.1 85.7#



#24
Pentachlorophenol
Concen: 0.222 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:266 Resp: 17
Ion Ratio Lower Upper
266 100
264 29.4 49.3 73.9#
268 41.2 49.0 73.4#





#25

Phenanthrene

Concen: 0.539 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.013 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425

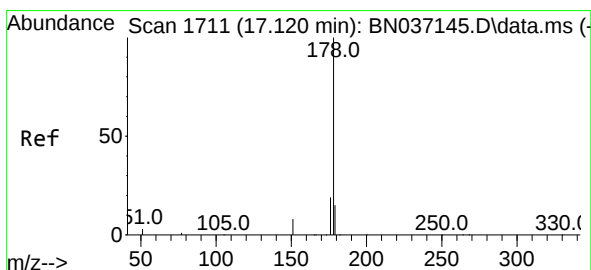
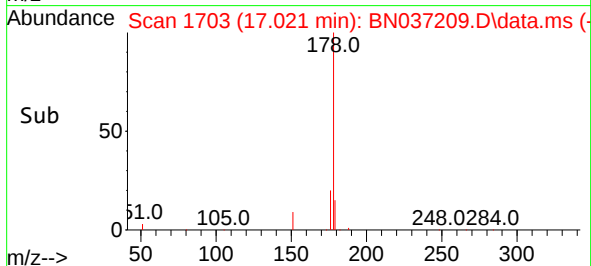
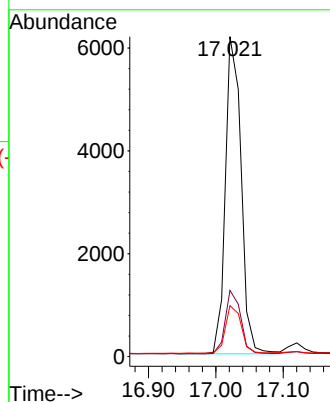
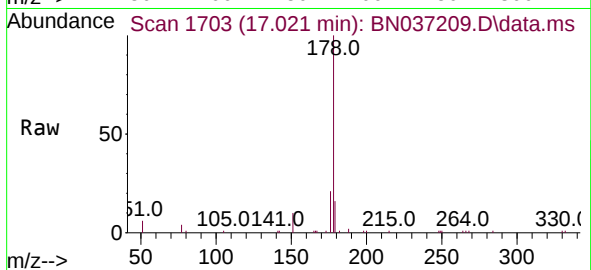
Tgt Ion:178 Resp: 10041

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.2 12.3 18.5



#26

Anthracene

Concen: 0.590 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.100 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

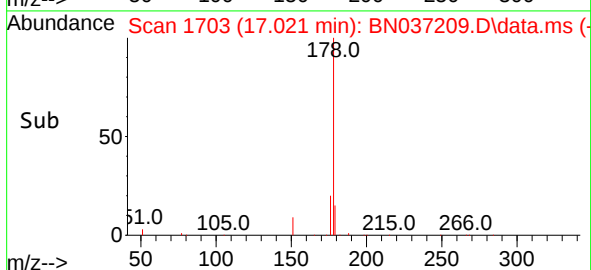
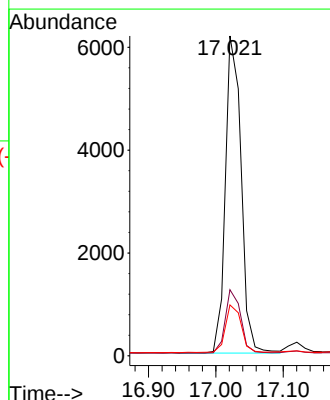
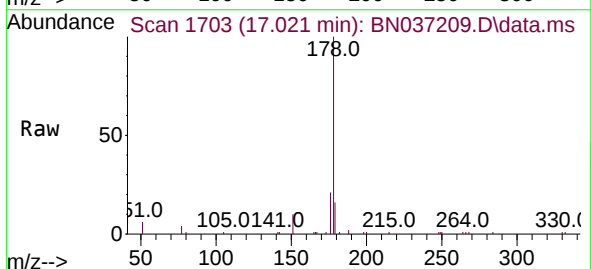
Tgt Ion:178 Resp: 10041

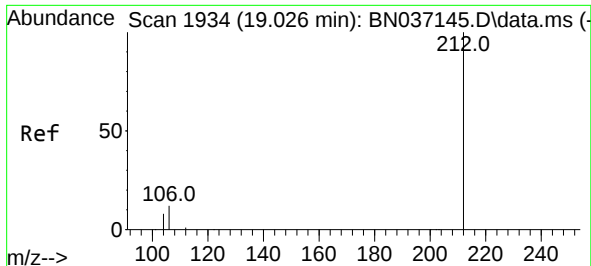
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 15.1 12.9 19.3

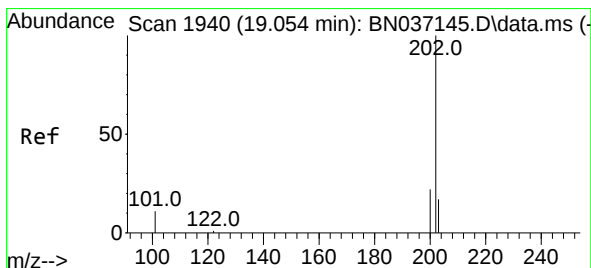
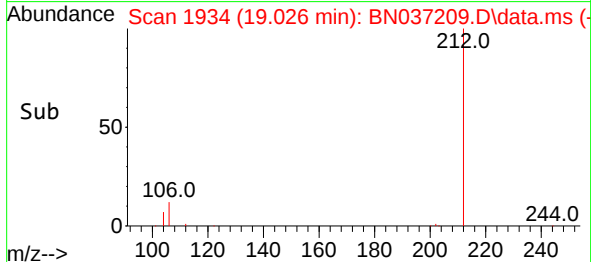
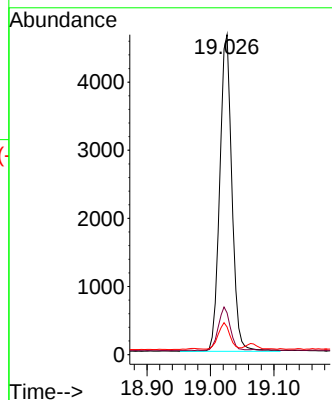
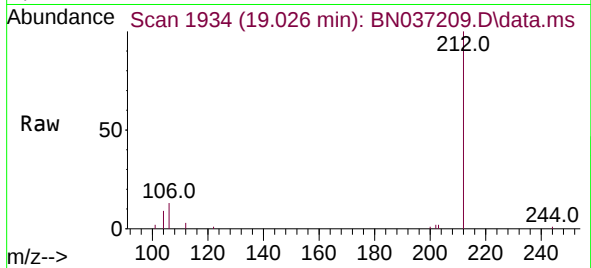




#27
Fluoranthene-d10
Concen: 0.422 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

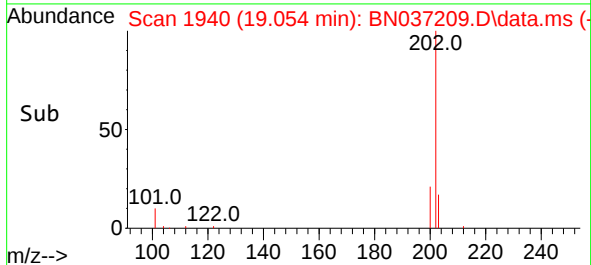
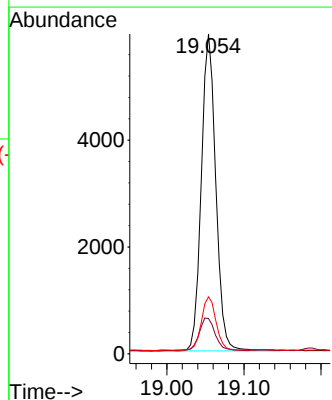
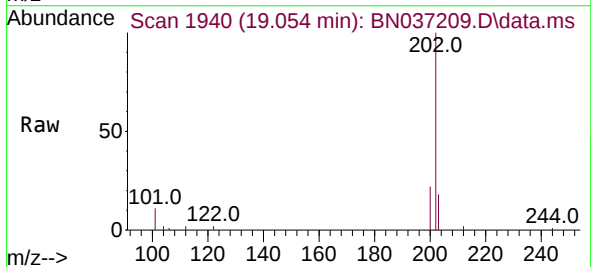
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

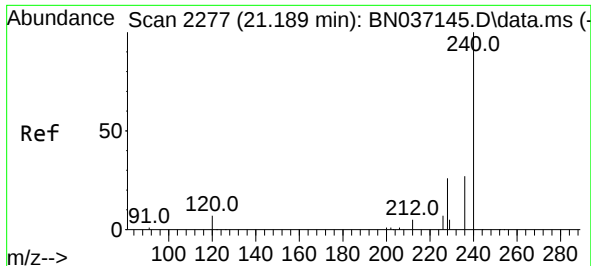
Tgt Ion:	212	Resp:	6173
Ion Ratio	Lower	Upper	
212	100		
106	13.3	10.6	15.8
104	8.2	6.6	9.8



#28
Fluoranthene
Concen: 0.376 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Tgt Ion:	202	Resp:	7738
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.7	13.1
203	17.1	13.5	20.3

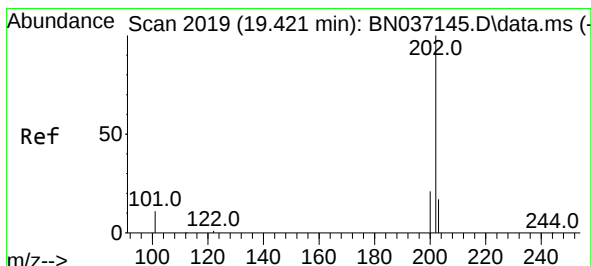
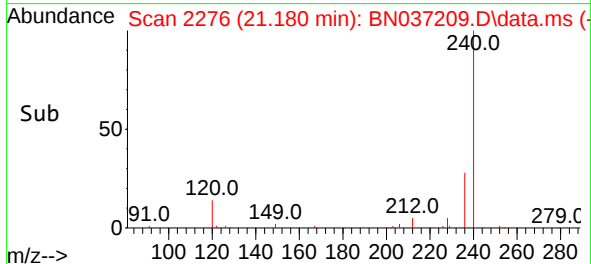
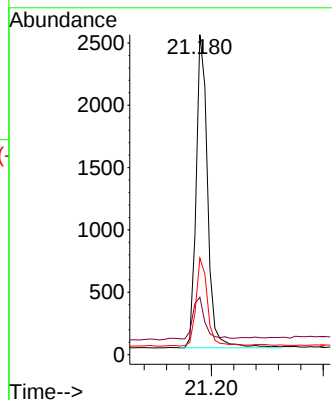
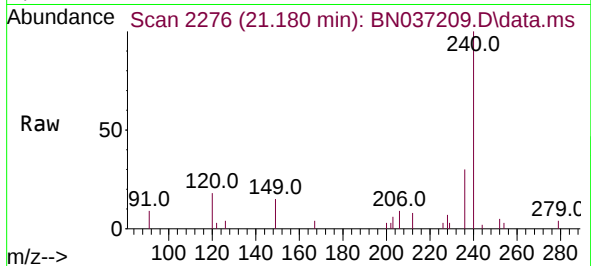




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

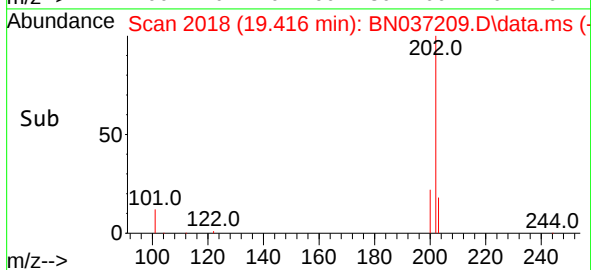
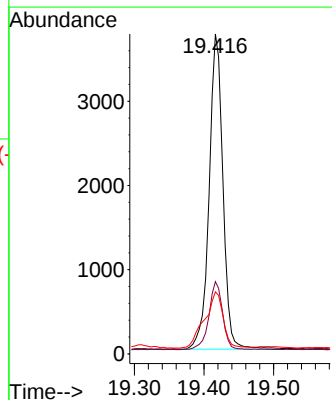
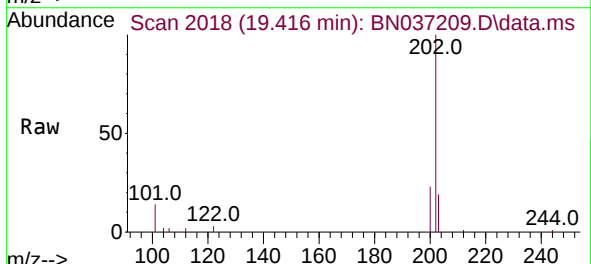
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

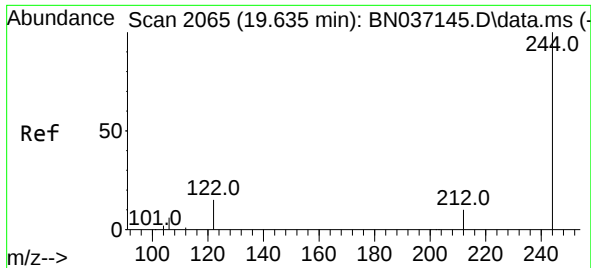
Tgt Ion:240 Resp: 3593
Ion Ratio Lower Upper
240 100
120 17.9 9.0 13.4#
236 30.2 23.0 34.4



#30
Pyrene
Concen: 0.294 ng
RT: 19.416 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

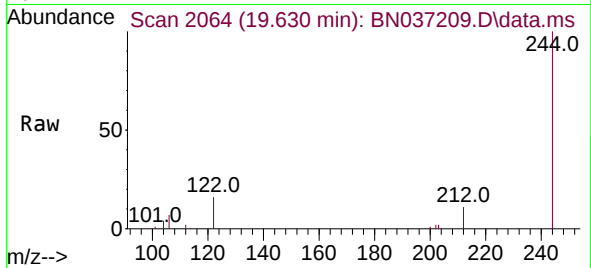
Tgt Ion:202 Resp: 5158
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 24.1 14.2 21.4#



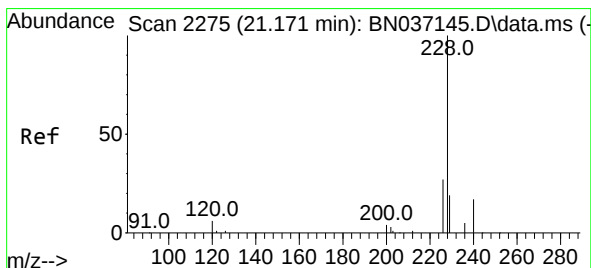
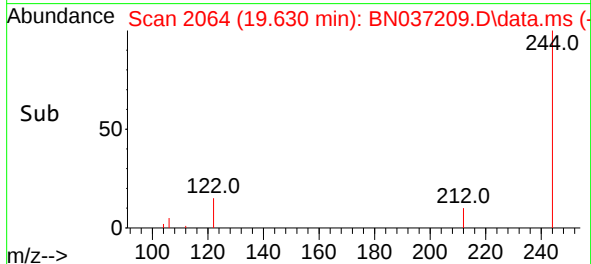
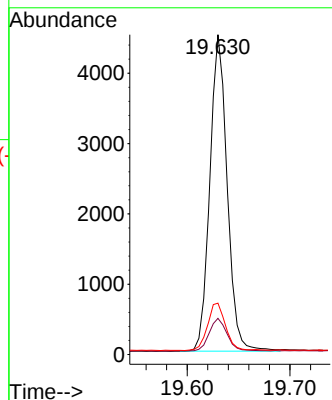


#31
 Terphenyl-d14
 Concen: 0.625 ng
 RT: 19.630 min Scan# 2064
 Delta R.T. -0.005 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

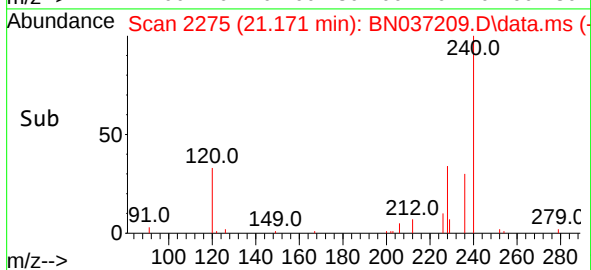
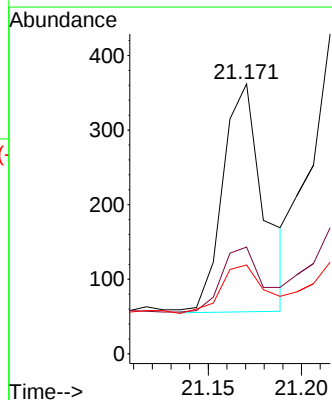
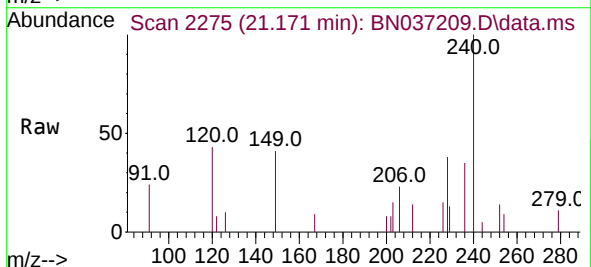


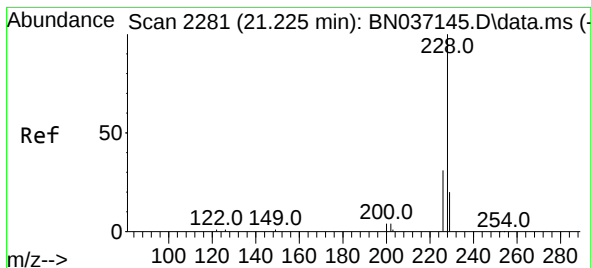
Tgt Ion:244 Resp: 5287
 Ion Ratio Lower Upper
 244 100
 212 11.3 10.0 15.0
 122 16.1 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.036 ng
 RT: 21.171 min Scan# 2275
 Delta R.T. -0.000 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

Tgt Ion:228 Resp: 470
 Ion Ratio Lower Upper
 228 100
 226 39.5 22.6 33.8#
 229 32.9 16.2 24.2#





#33

Chrysene

Concen: 0.046 ng

RT: 21.215 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037209.D

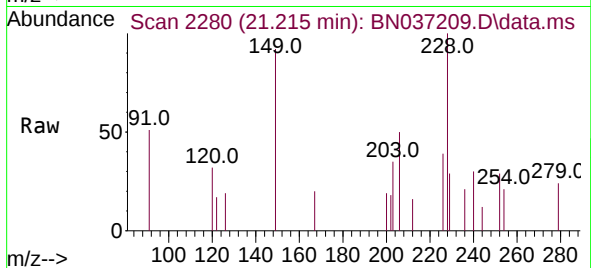
Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425



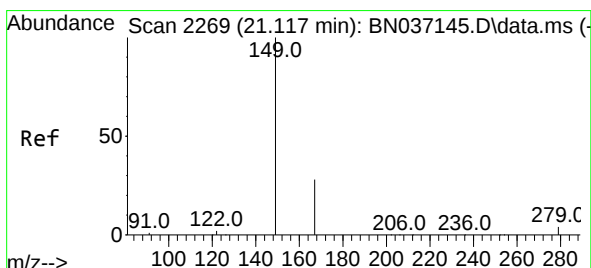
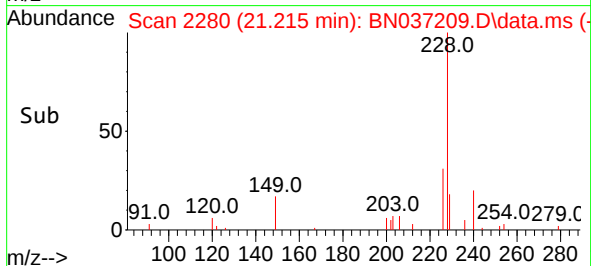
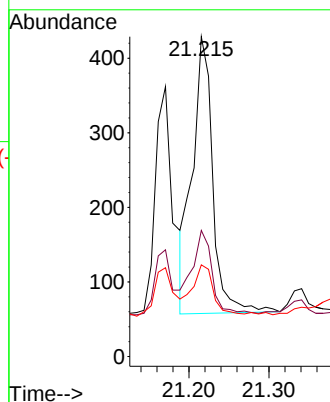
Tgt Ion:228 Resp: 659

Ion Ratio Lower Upper

228 100

226 39.4 25.2 37.8#

229 28.7 16.8 25.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.154 ng

RT: 21.108 min Scan# 2268

Delta R.T. -0.009 min

Lab File: BN037209.D

Acq: 10 Jun 2025 02:12

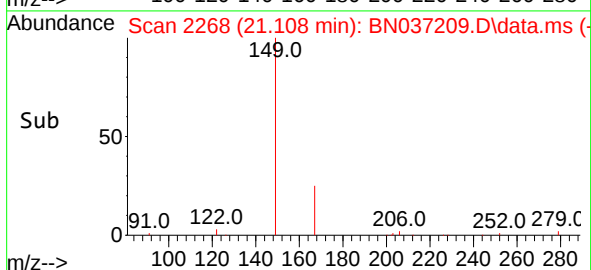
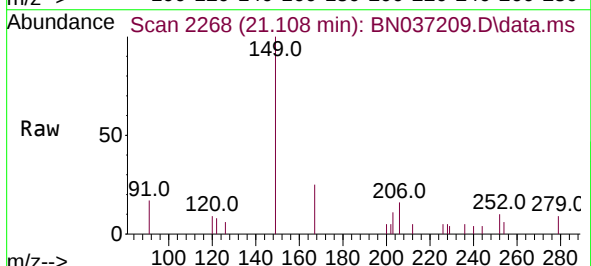
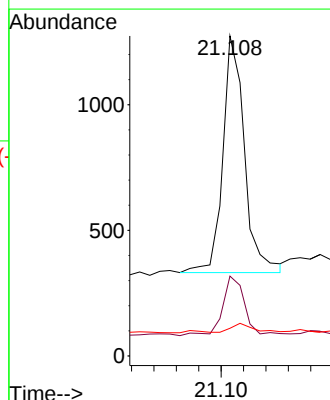
Tgt Ion:149 Resp: 1263

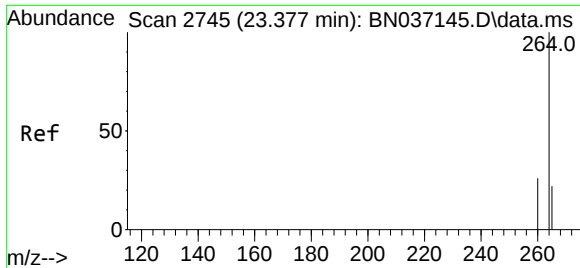
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.4

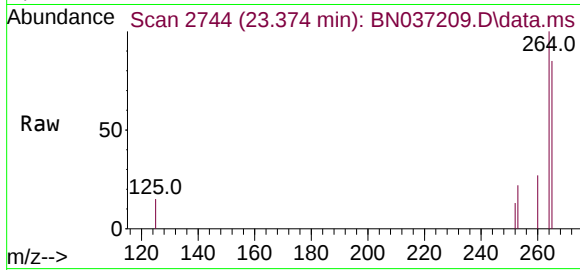
279 3.7 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.374 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425



Tgt Ion:264 Resp: 3061

Ion	Ratio	Lower	Upper
264	100		
260	27.2	22.1	33.1
265	84.8	55.8	83.8

