

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)

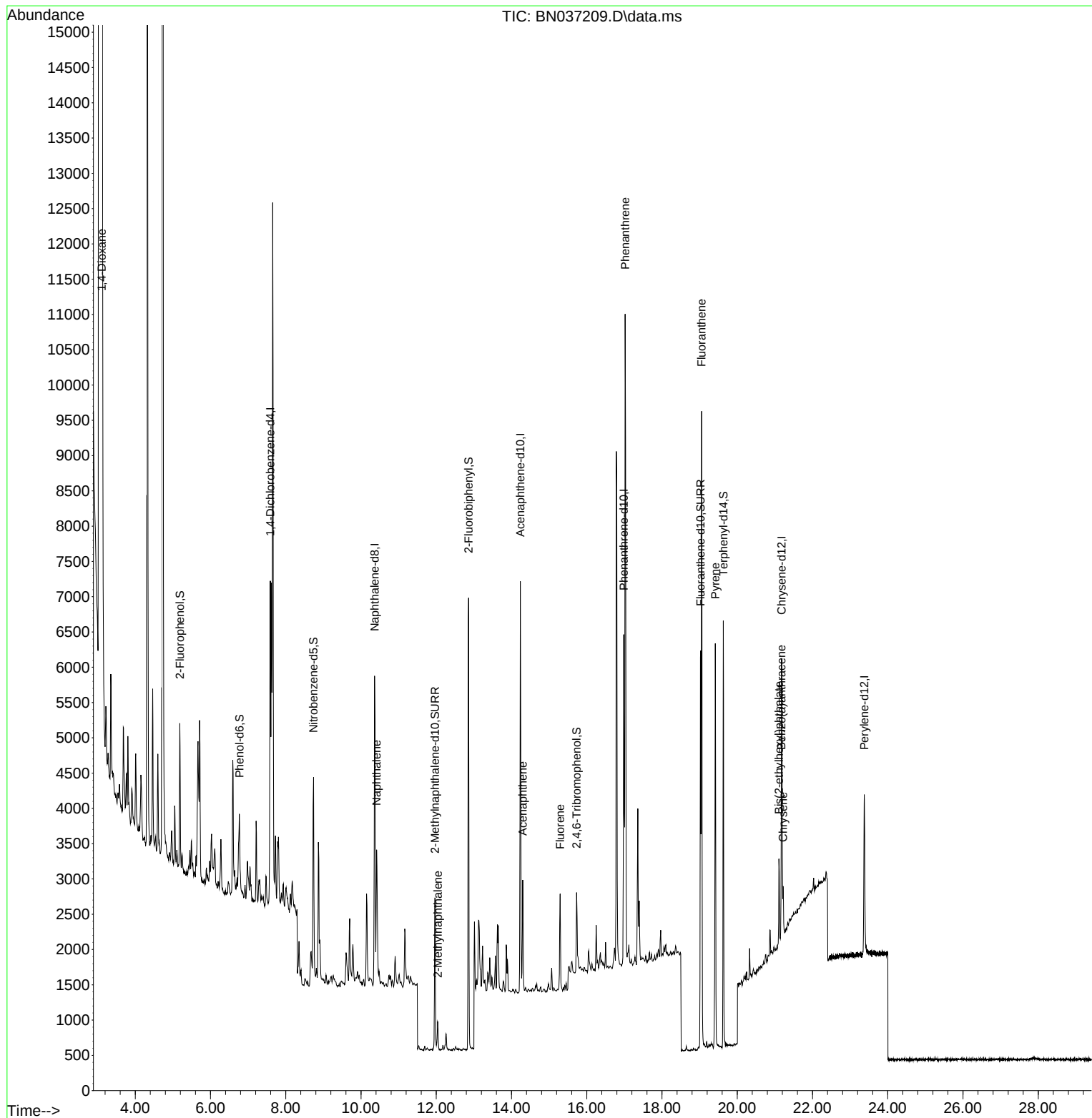
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	2075	0.400	ng	0.00
7) Naphthalene-d8	10.361	136	5375	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	3061	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	5755	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3593	0.400	ng	# 0.00
35) Perylene-d12	23.374	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
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
25) Phenanthrene	17.021	178	10041	0.539	ng	100
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

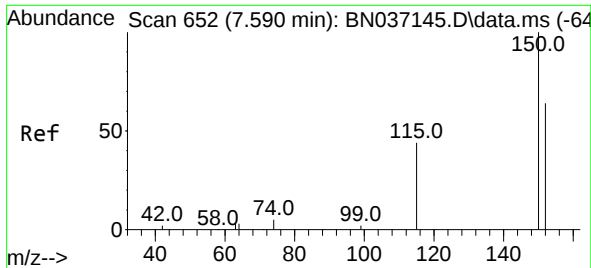
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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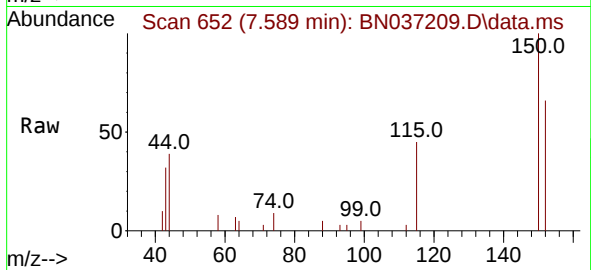
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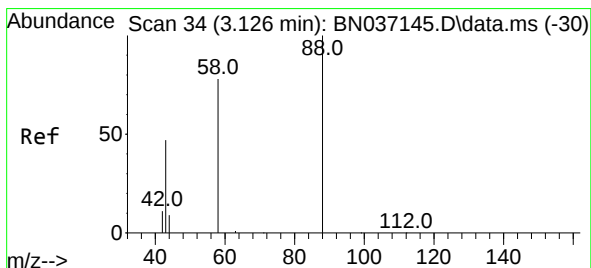
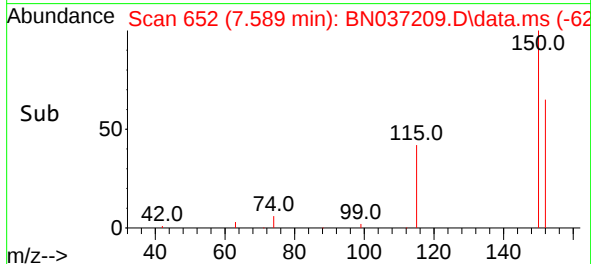
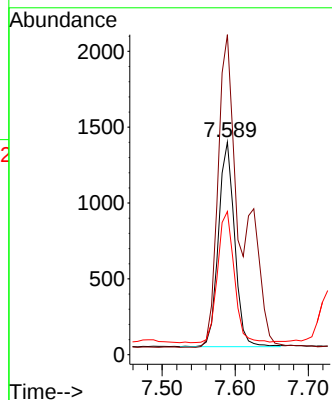
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

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



Tgt Ion:152 Resp: 2075

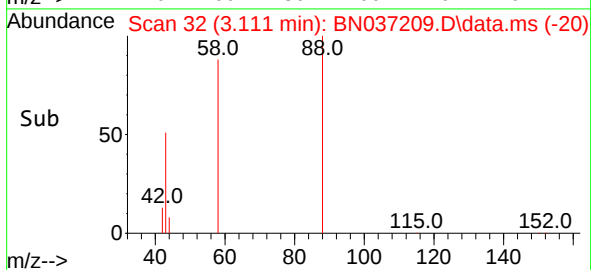
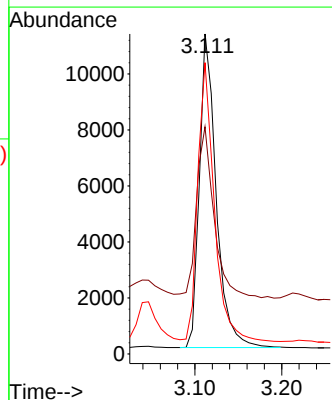
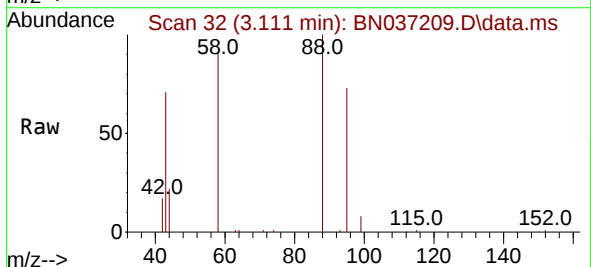
Ion	Ratio	Lower	Upper
152	100		
150	150.5	123.2	184.8
115	67.3	56.6	85.0

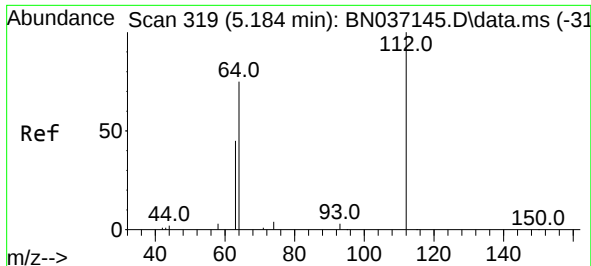


#2
 1,4-Dioxane
 Concen: 5.461 ng
 RT: 3.111 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

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

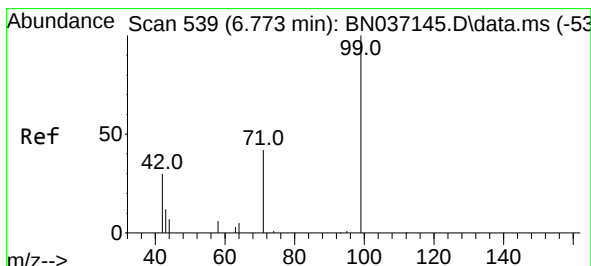
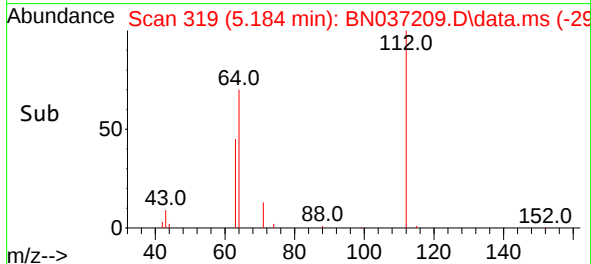
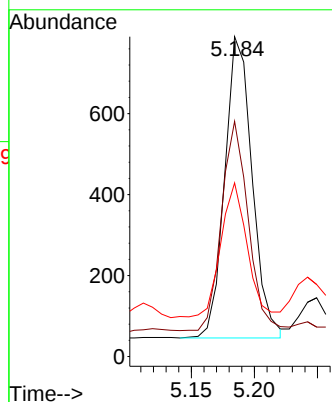
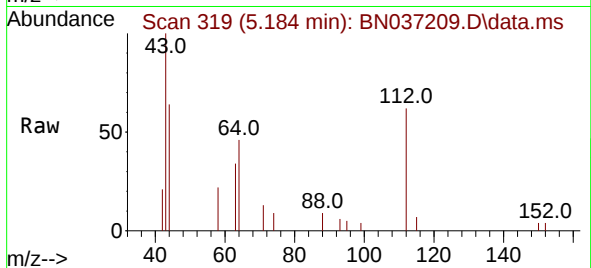




#4
2-Fluorophenol
Concen: 0.219 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

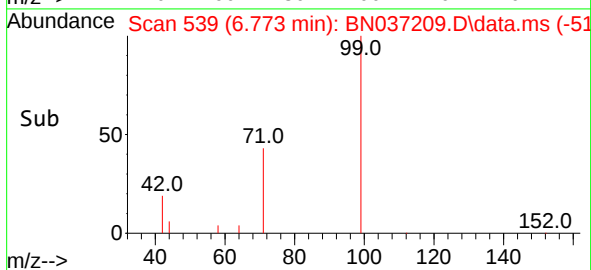
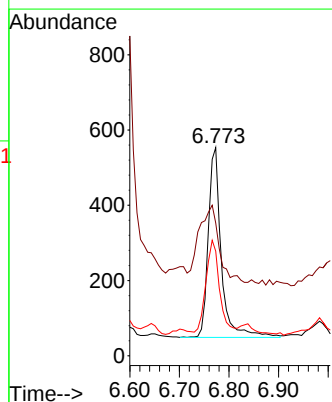
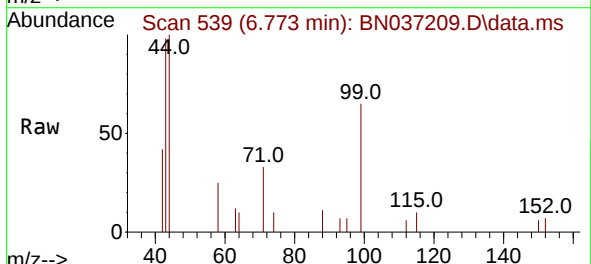
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

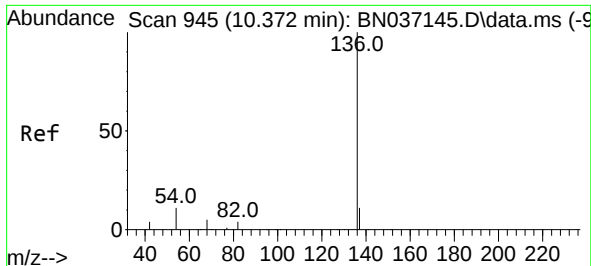
Tgt Ion:112 Resp: 1124
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 42.9 36.2 54.4



#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

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

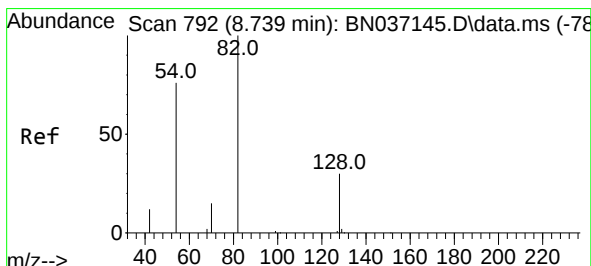
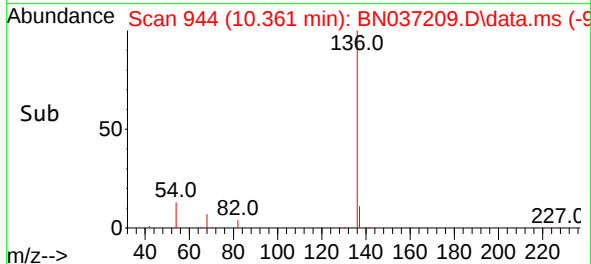
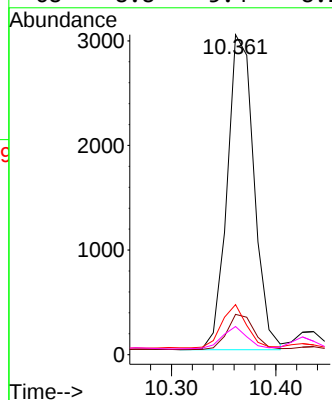
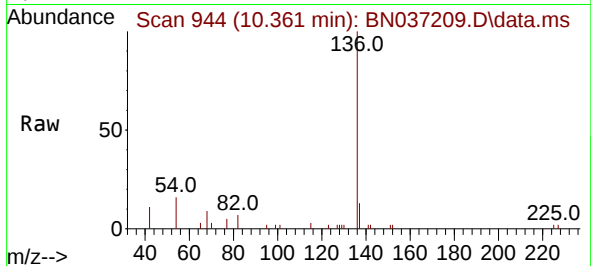




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.361 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

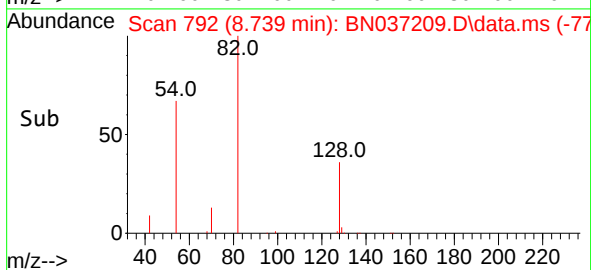
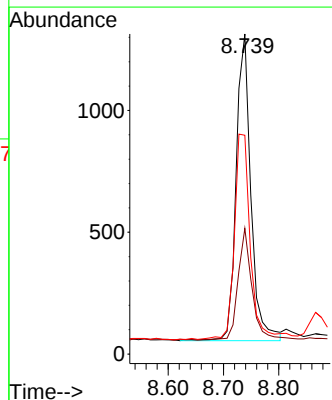
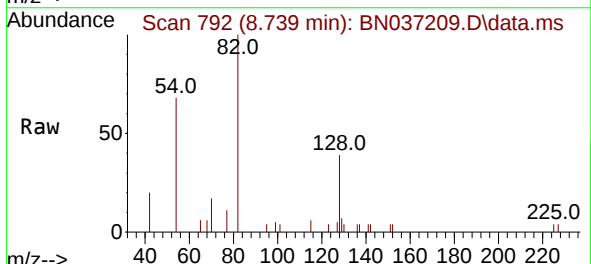
Instrument :
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ClientSampleId :
MW-19B-72-060425

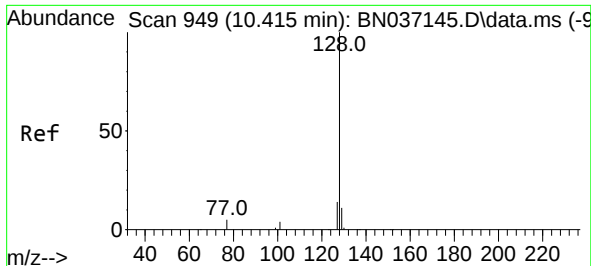
Tgt Ion:136	Resp:	5375
Ion	Ratio	Lower Upper
136	100	
137	12.6	9.7 14.5
54	15.6	9.7 14.5#
68	8.8	5.4 8.2#



#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

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

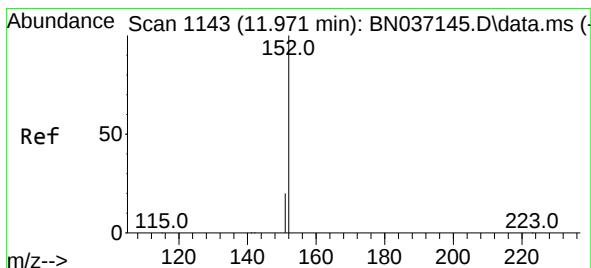
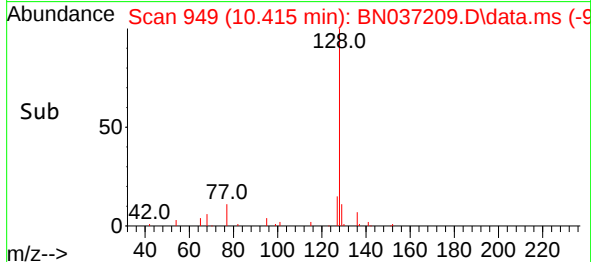
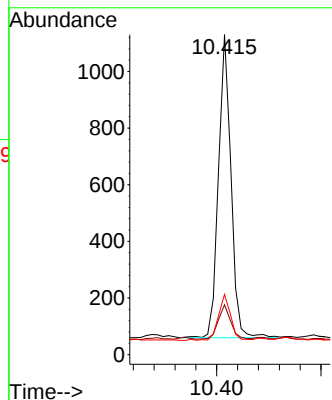
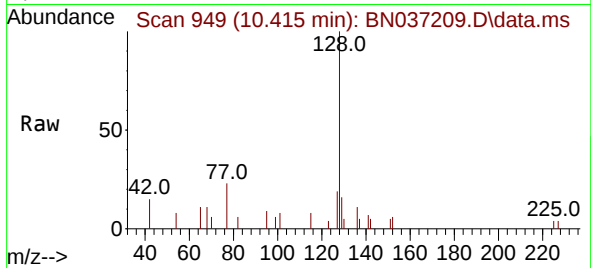




#9
Naphthalene
Concen: 0.115 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

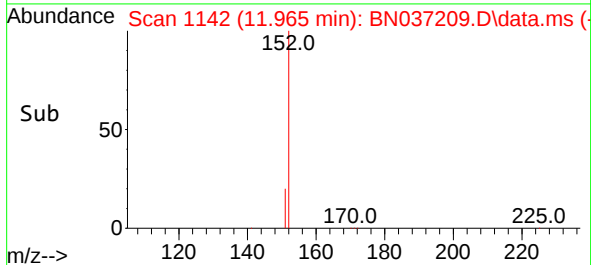
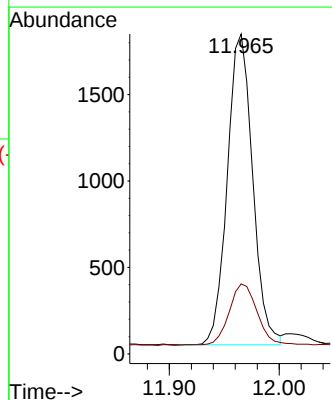
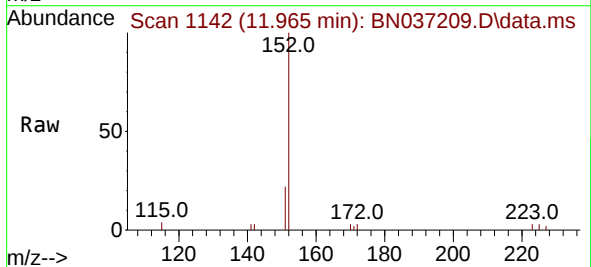
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

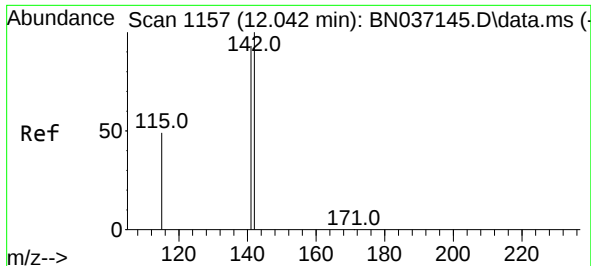
Tgt Ion:128 Resp: 1782
Ion Ratio Lower Upper
128 100
129 15.6 9.8 14.8#
127 18.8 12.3 18.5#



#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

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

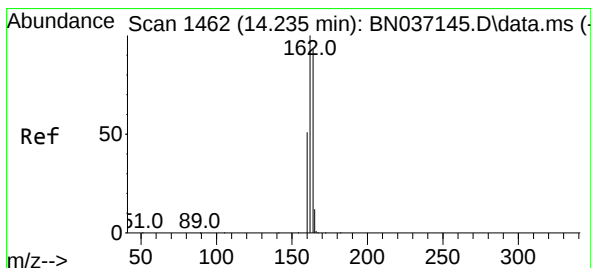
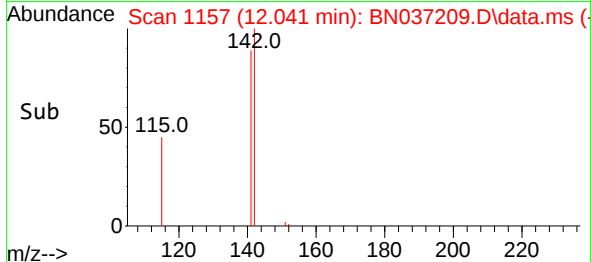
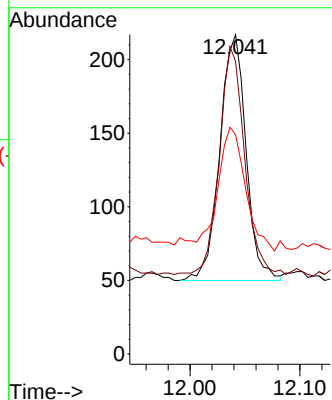
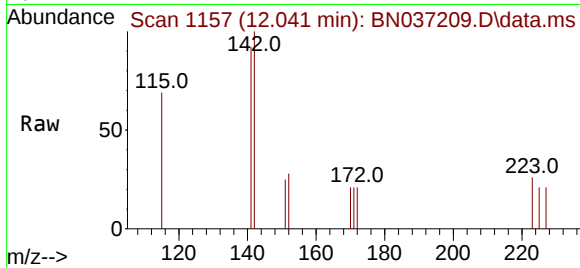




#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.041 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

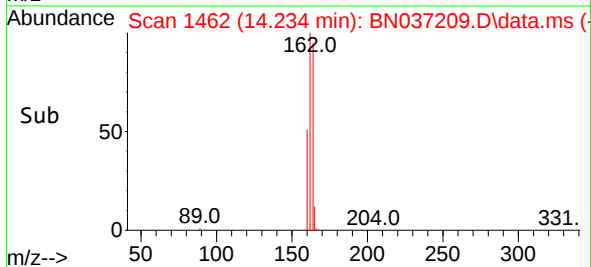
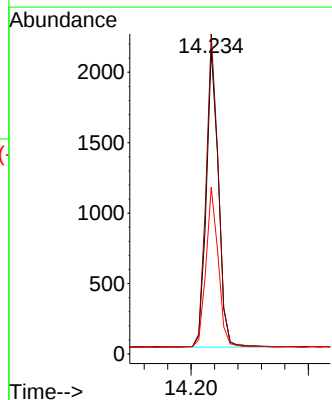
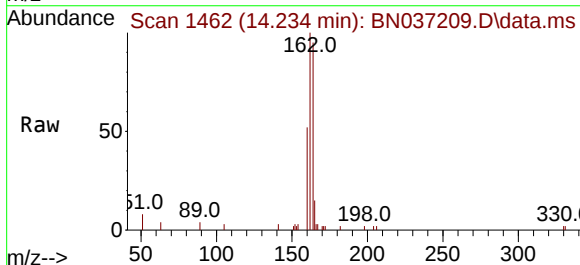
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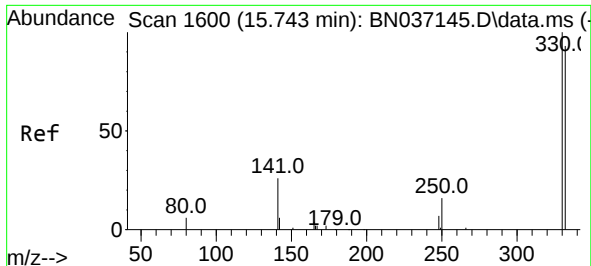
Tgt Ion:	142	Resp:	277
Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.6	111.8
115	68.7	41.0	61.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

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

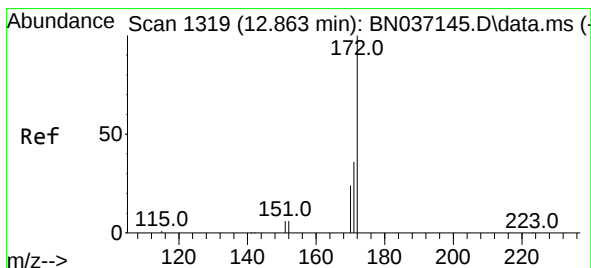
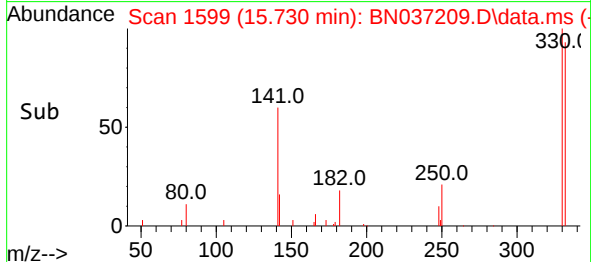
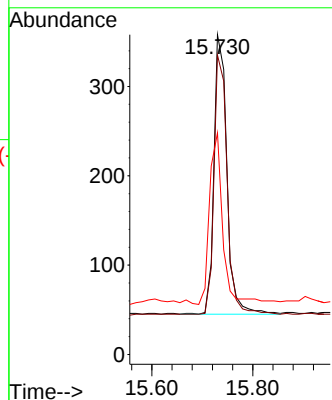
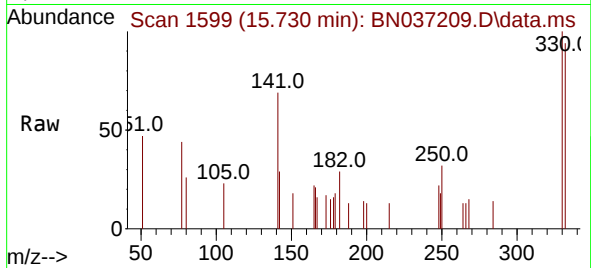




#14
2,4,6-Tribromophenol
Concen: 0.454 ng
RT: 15.730 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

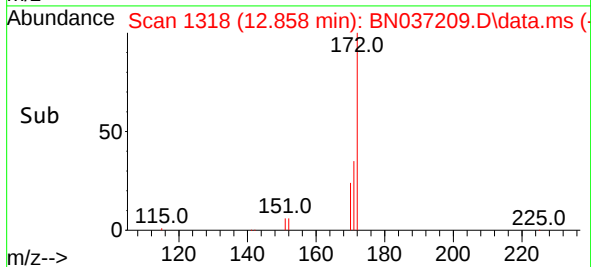
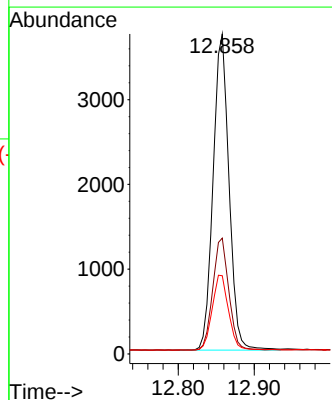
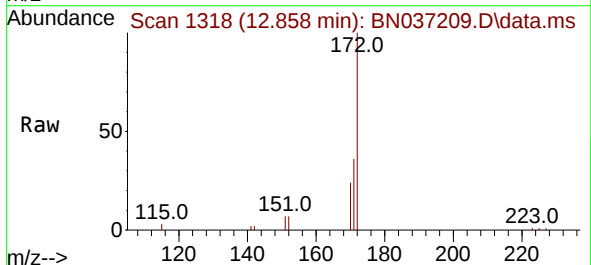
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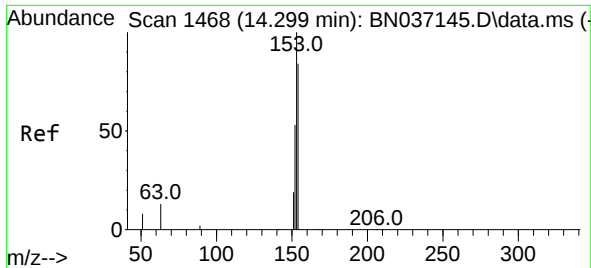
Tgt Ion:330 Resp: 560
Ion Ratio Lower Upper
330 100
332 93.0 77.1 115.7
141 62.0 46.4 69.6



#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

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

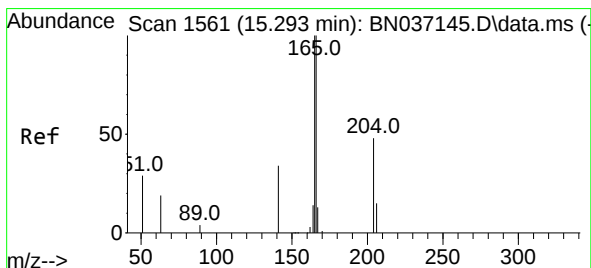
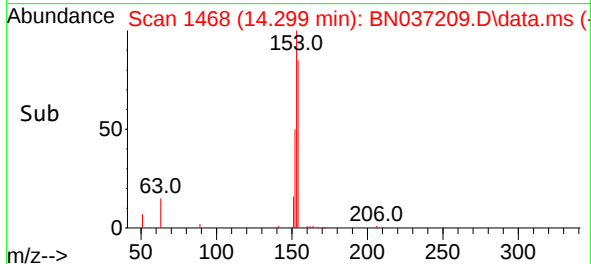
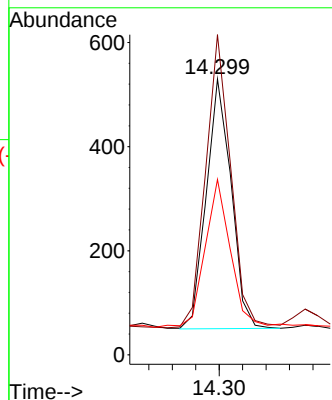
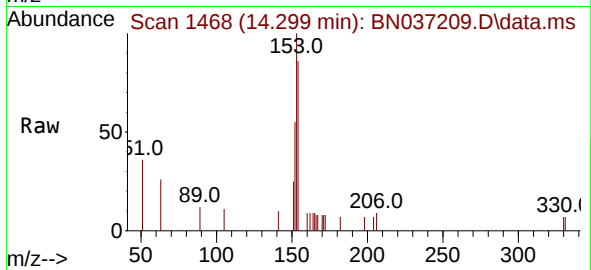




#17
Acenaphthene
Concen: 0.072 ng
RT: 14.299 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

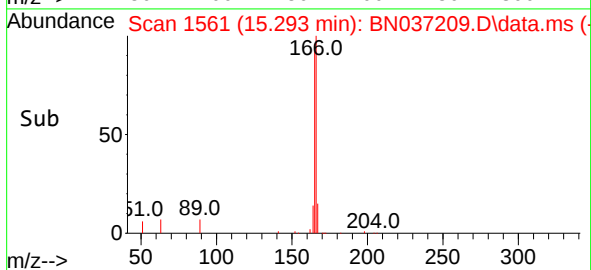
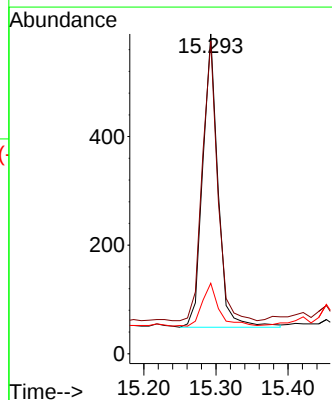
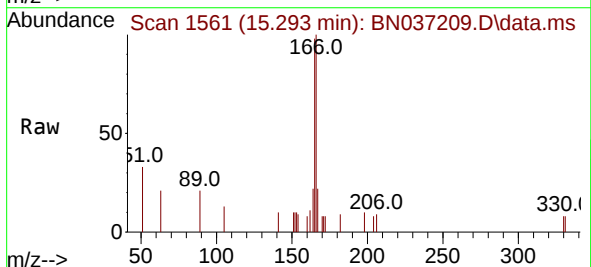
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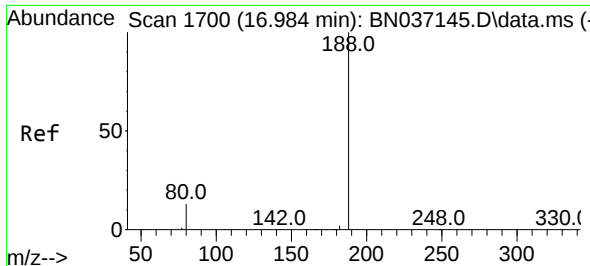
Tgt Ion:154 Resp: 706
Ion Ratio Lower Upper
154 100
153 118.3 93.8 140.8
152 62.7 50.5 75.7



#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

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

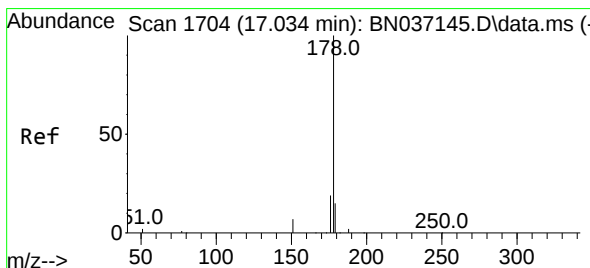
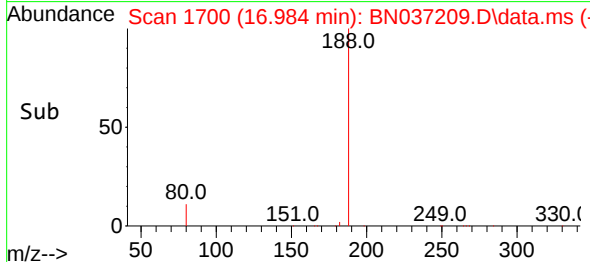
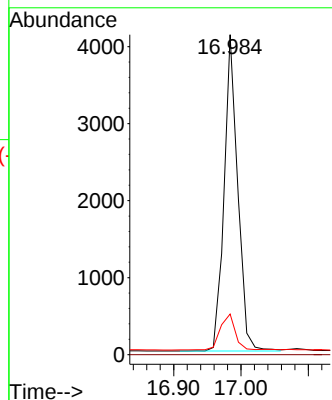
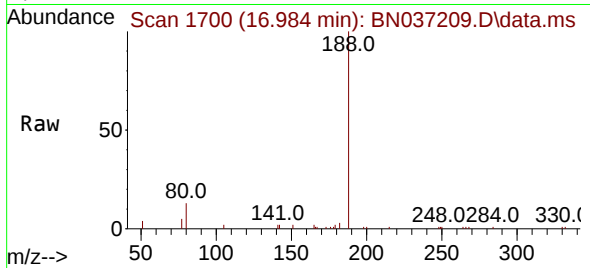




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037209.D
Acq: 10 Jun 2025 02:12

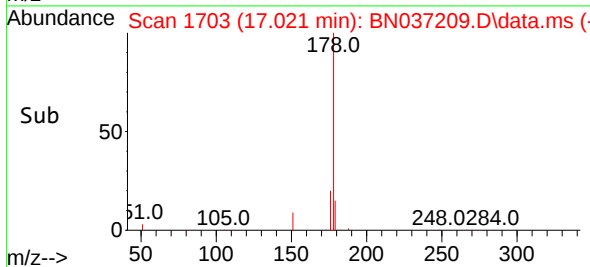
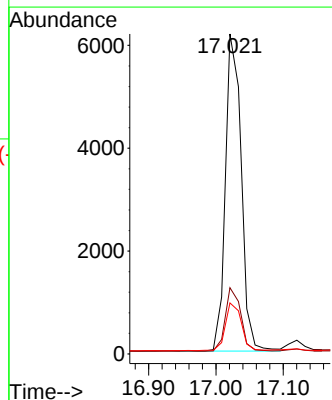
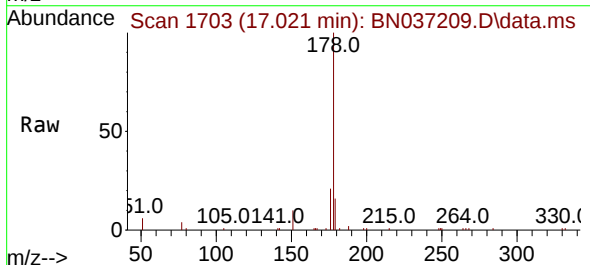
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-060425

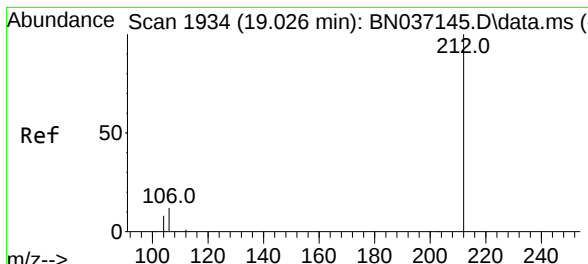
Tgt Ion:188 Resp: 5755
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 11.3 16.9



#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

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

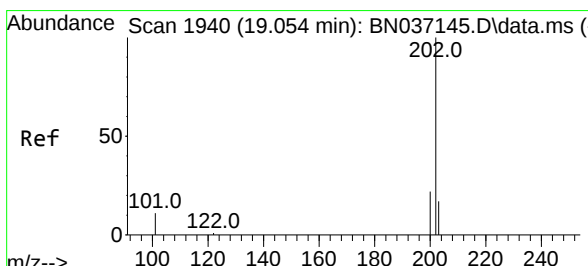
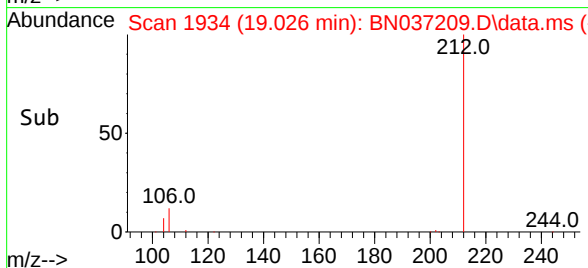
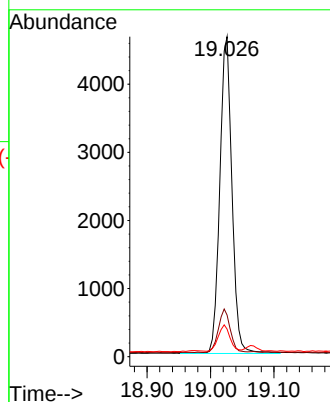
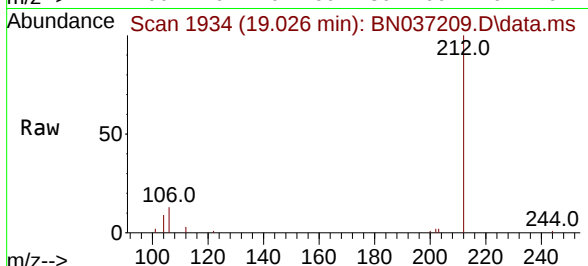




#27
 Fluoranthene-d10
 Concen: 0.422 ng
 RT: 19.026 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

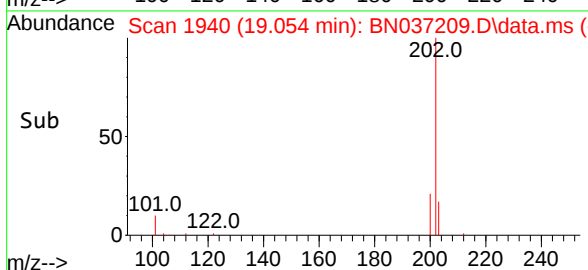
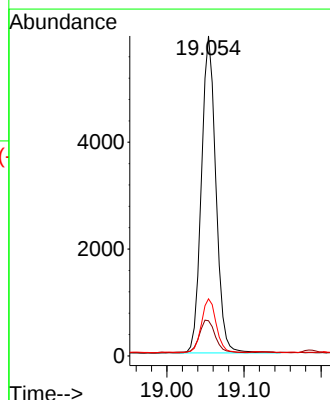
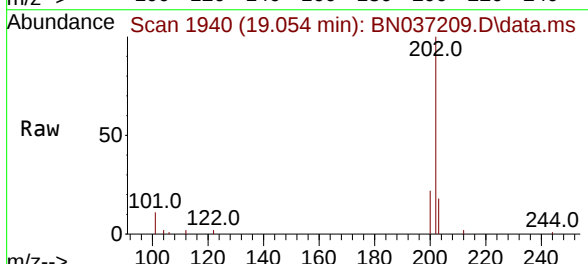
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-060425

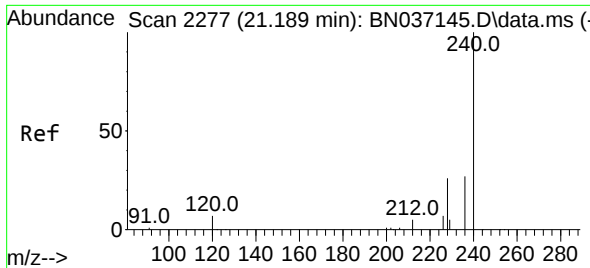
Tgt Ion:	212	Resp:	6173
Ion Ratio	Lower	Upper	
212	100		
106	13.3	10.6	15.8
104	8.2	6.6	9.8



#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

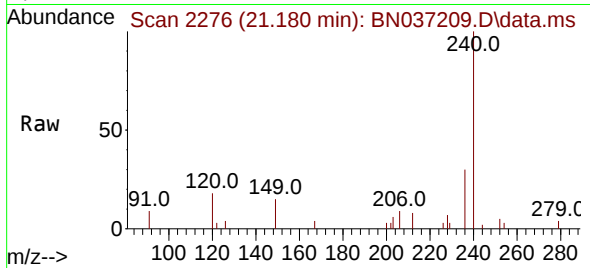
Acq: 10 Jun 2025 02:12

Instrument :

BNA_N

ClientSampleId :

MW-19B-72-060425



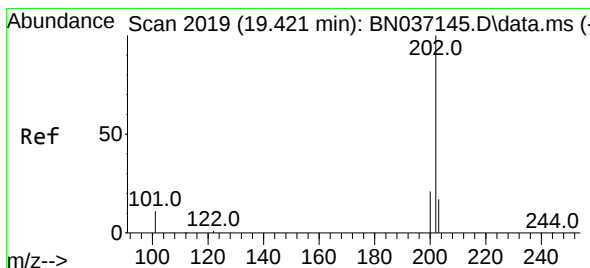
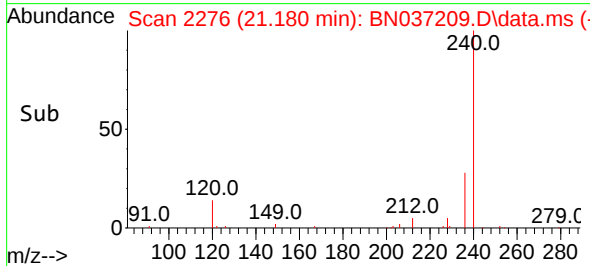
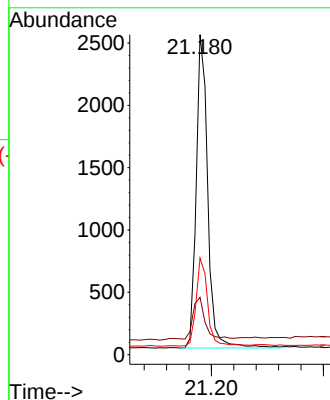
Tgt Ion:240 Resp: 3593

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

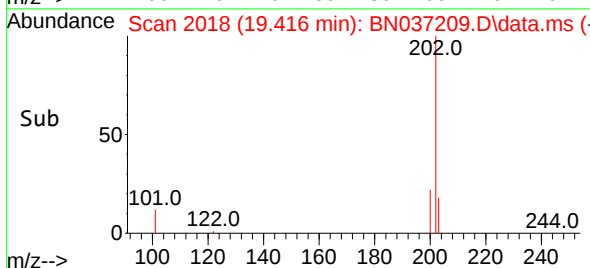
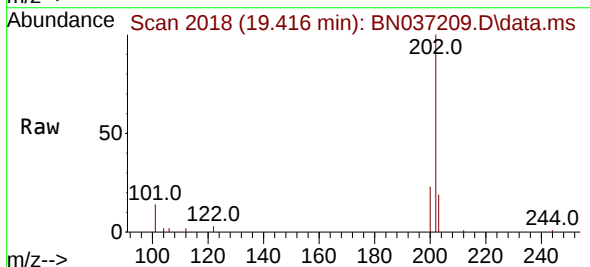
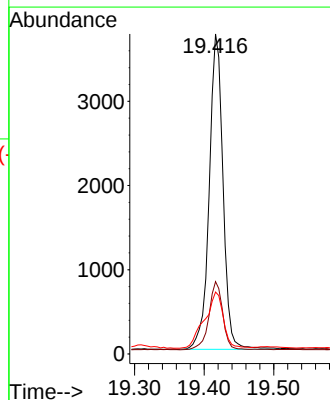
Tgt Ion:202 Resp: 5158

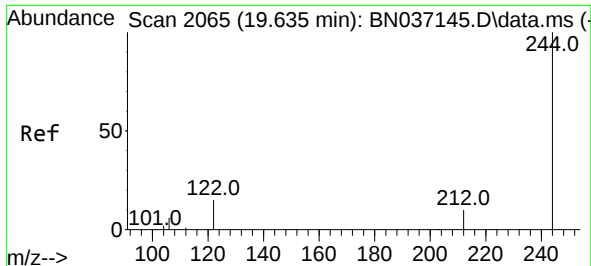
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

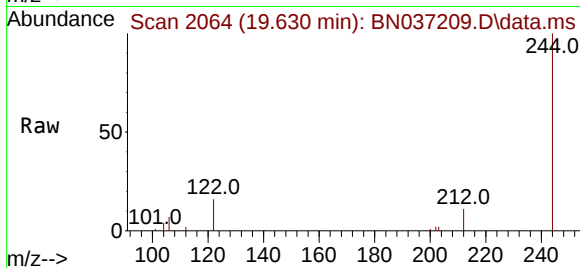
203 24.1 14.2 21.4#



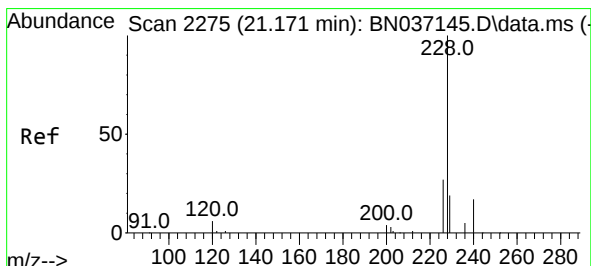
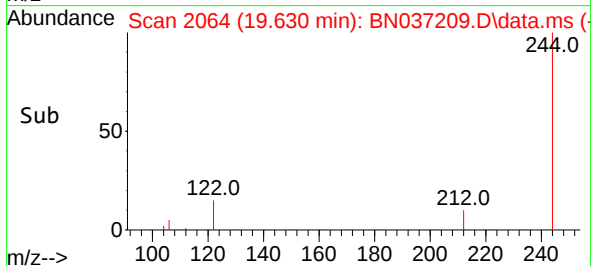
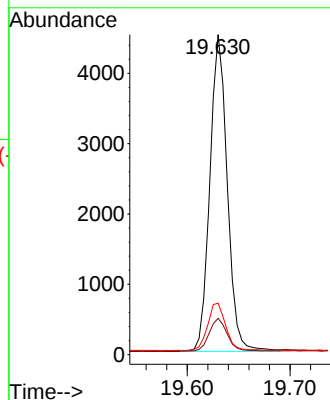


#31
 Terphenyl-d14
 Concen: 0.625 ng
 RT: 19.630 min Scan# 2064
 Delta R.T. -0.005 min
 Lab File: BN037209.D
 Acq: 10 Jun 2025 02:12

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

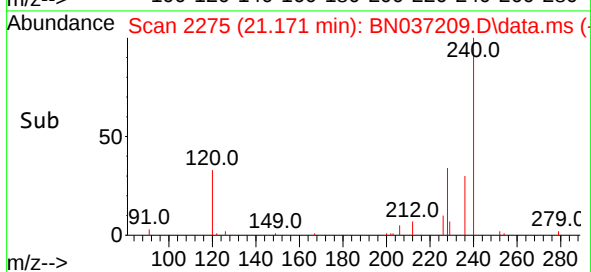
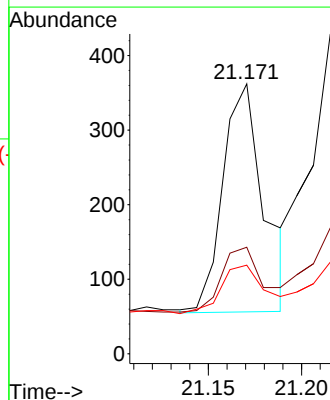
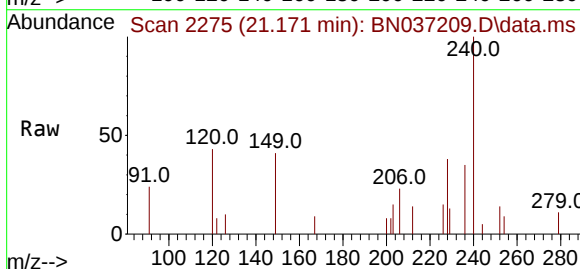


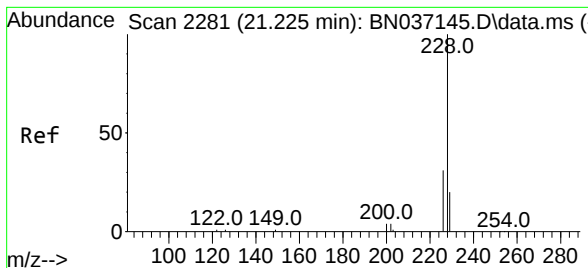
Tgt Ion:244 Resp: 5287
 Ion Ratio Lower Upper
 244 100
 212 11.3 10.0 15.0
 122 16.1 13.2 19.8



#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

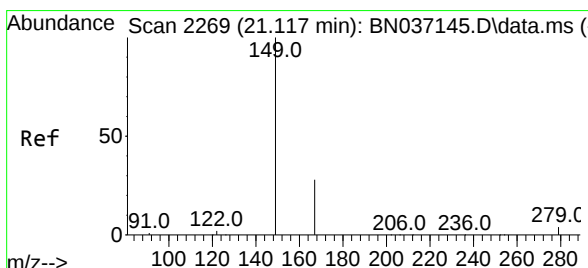
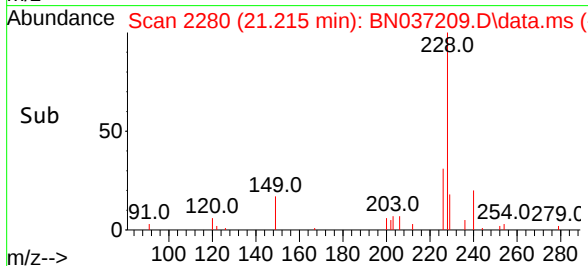
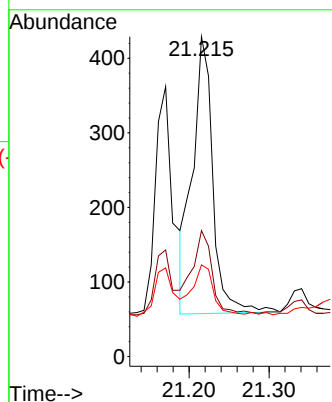
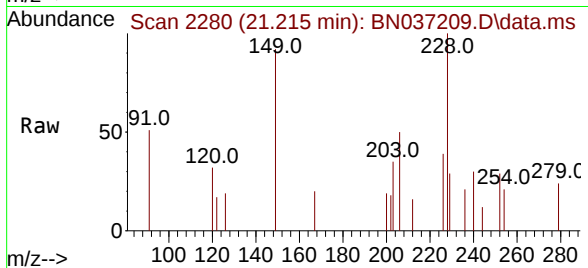
Tgt Ion:228 Resp: 659

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

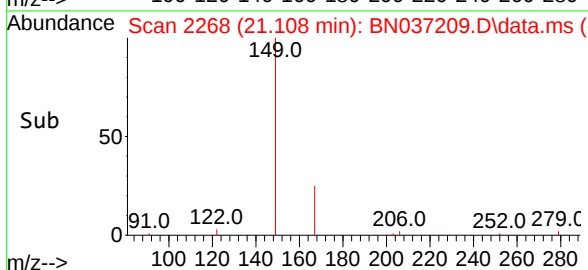
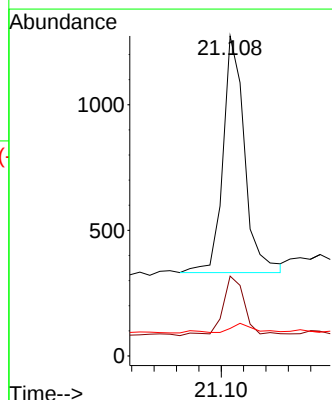
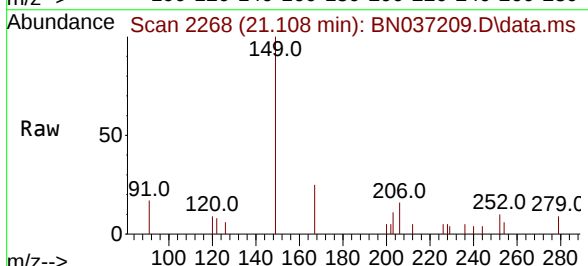
Tgt Ion:149 Resp: 1263

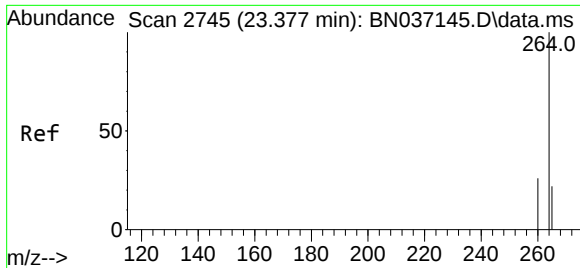
Ion Ratio Lower Upper

149 100

167 26.0 21.0 31.4

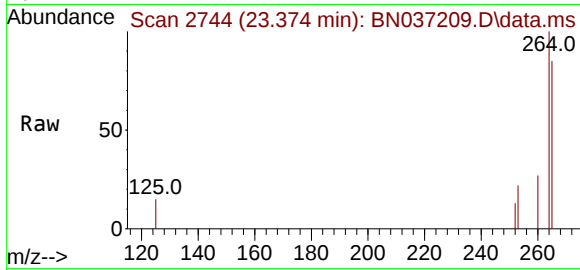
279 3.7 2.9 4.3





#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#

