

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111225\
 Data File : BN038187.D
 Acq On : 12 Nov 2025 11:56
 Operator : RC/JU
 Sample : Q3569-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-12

Quant Time: Nov 12 12:20:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

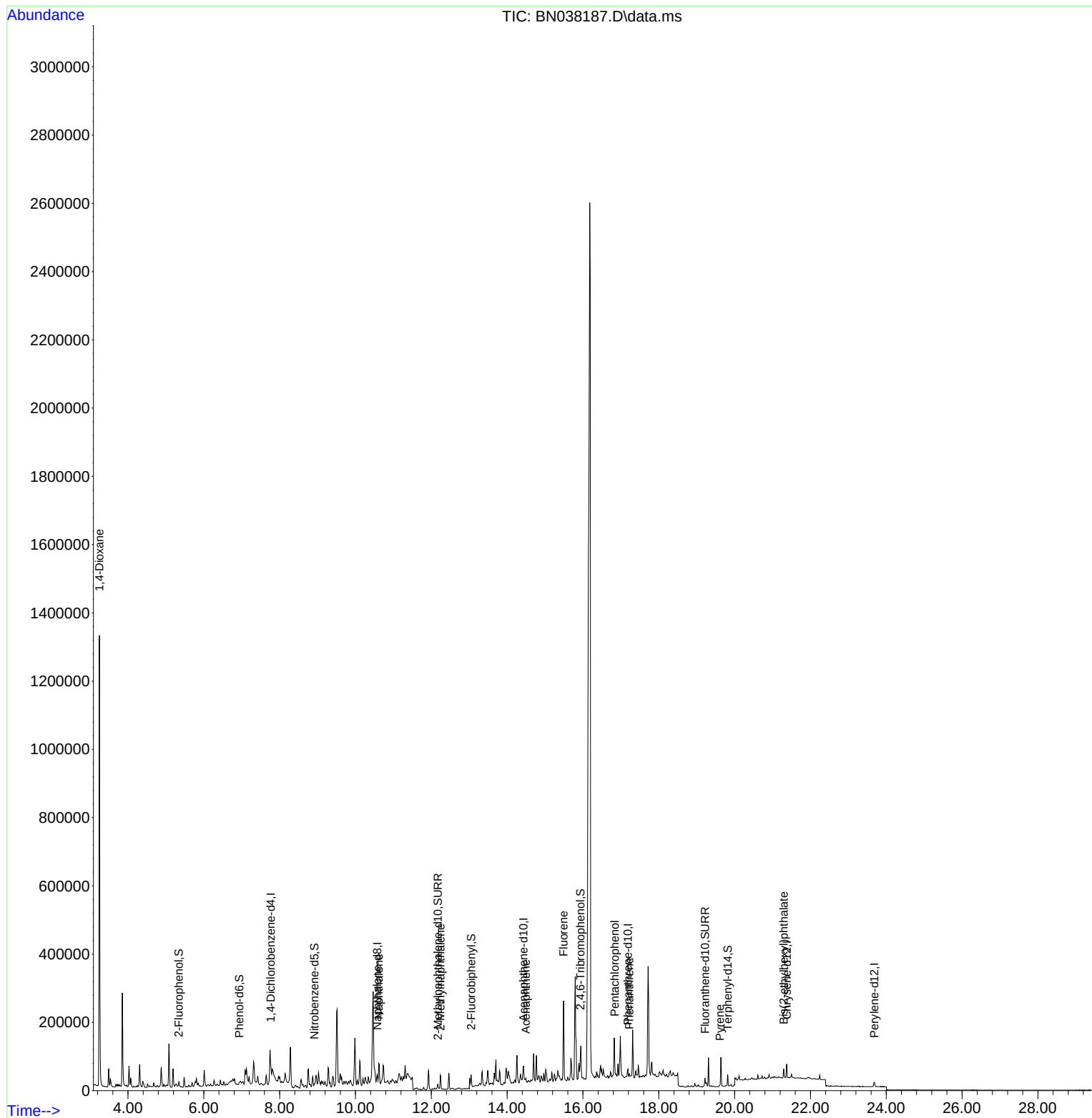
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	9896	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33487	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	32721	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	32892	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18590	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	18643	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	5010	0.215	ng	0.00
5) Phenol-d6	6.937	99	3888	0.137	ng	0.00
8) Nitrobenzene-d5	8.918	82	11346	0.420	ng	-0.01
11) 2-Methylnaphthalene-d10	12.172	152	16494	0.345	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4032	0.299	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	28444	0.217	ng	0.00
27) Fluoranthene-d10	19.220	212	26290	0.317	ng	0.00
31) Terphenyl-d14	19.819	244	22910	0.567	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	794647	77.716	ng	98
9) Naphthalene	10.616	128	82244	0.892	ng	98
12) 2-Methylnaphthalene	12.243	142	30122	0.490	ng	95
17) Acenaphthene	14.494	154	8661	0.084	ng	94
18) Fluorene	15.489	166	10440	0.077	ng	# 32
24) Pentachlorophenol	16.838	266	572	0.054	ng	88
25) Phenanthrene	17.223	178	11353	0.109	ng	# 73
30) Pyrene	19.610	202	3065	0.037	ng	# 70
34) Bis(2-ethylhexyl)phtha...	21.295	149	24436	0.700	ng	94

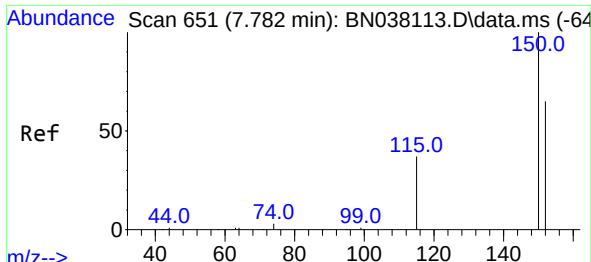
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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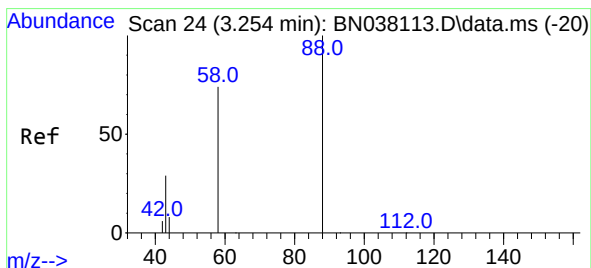
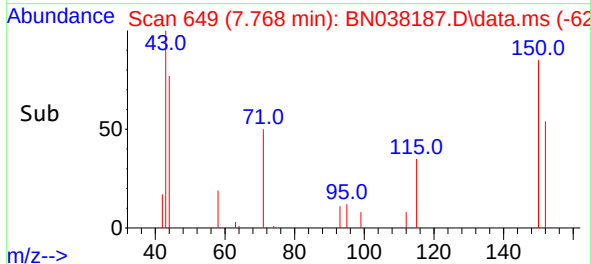
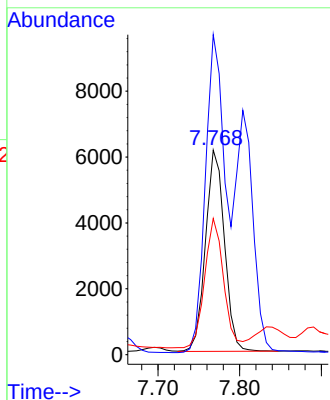
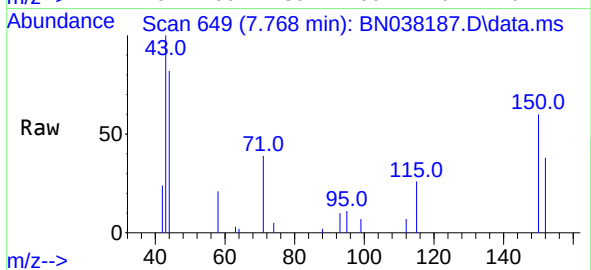




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

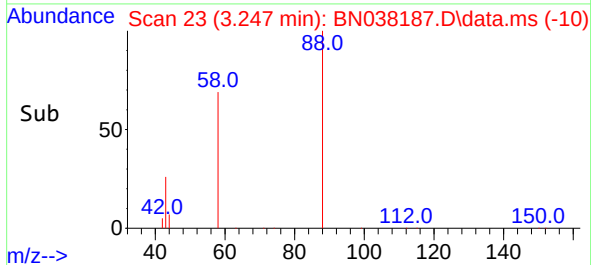
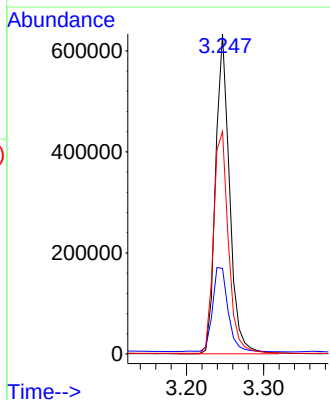
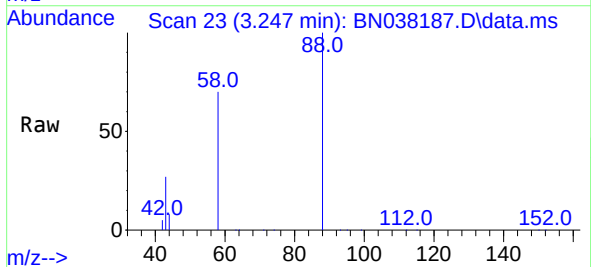
Instrument :
BNA_N
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MW-12

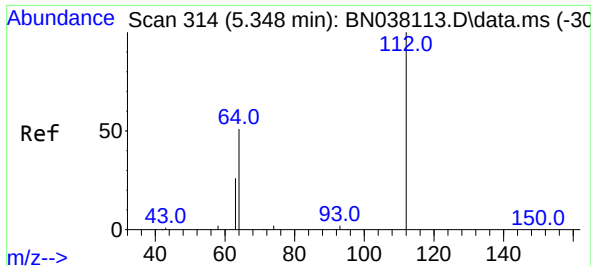
Tgt Ion:152 Resp: 9896
Ion Ratio Lower Upper
152 100
150 156.4 122.3 183.5
115 66.5 47.4 71.0



#2
1,4-Dioxane
Concen: 77.716 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion: 88 Resp: 794647
Ion Ratio Lower Upper
88 100
43 29.3 24.3 36.5
58 73.9 60.4 90.6

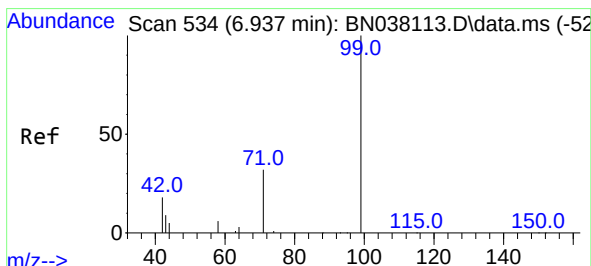
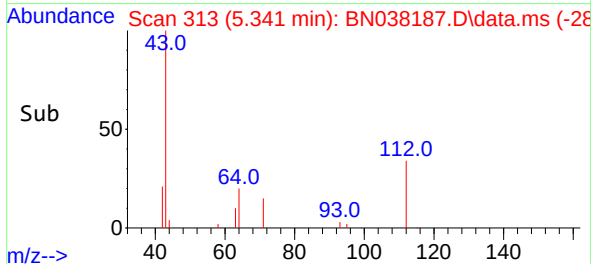
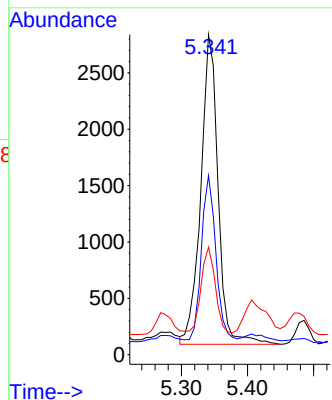
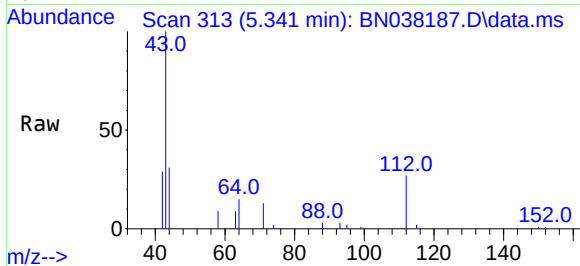




#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.341 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

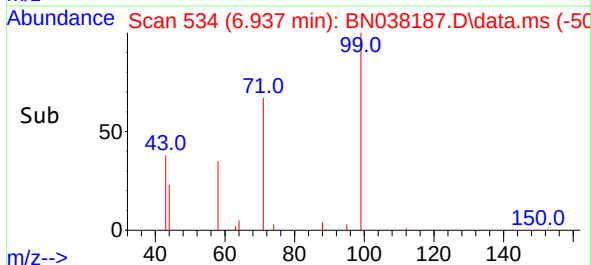
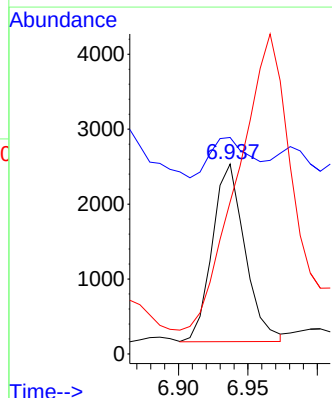
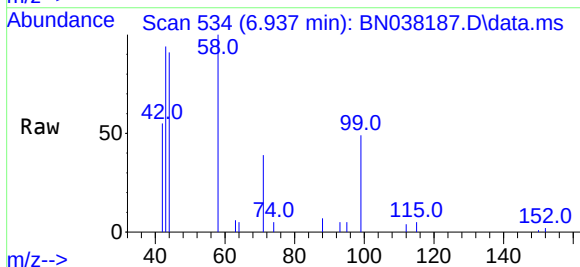
Instrument :
BNA_N
ClientSampleId :
MW-12

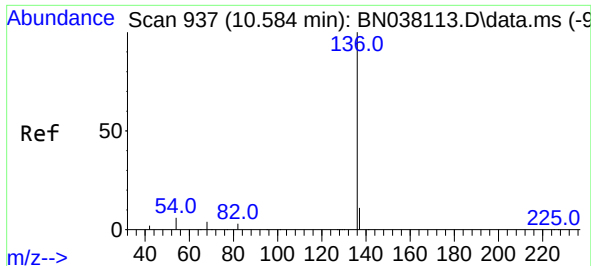
Tgt Ion:112 Resp: 5010
Ion Ratio Lower Upper
112 100
64 46.1 45.4 68.0
63 24.5 23.2 34.8



#5
Phenol-d6
Concen: 0.137 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion: 99 Resp: 3888
Ion Ratio Lower Upper
99 100
42 26.0 16.6 24.8#
71 0.0 25.4 38.2#

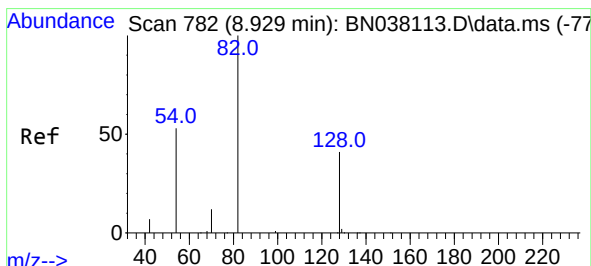
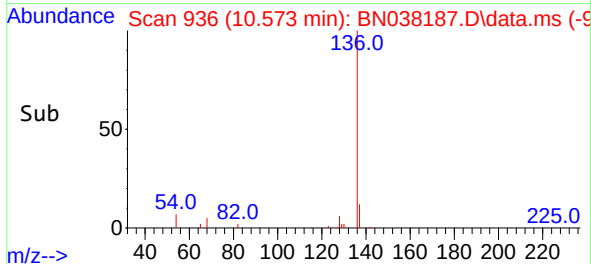
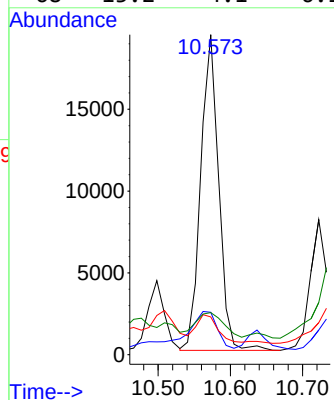
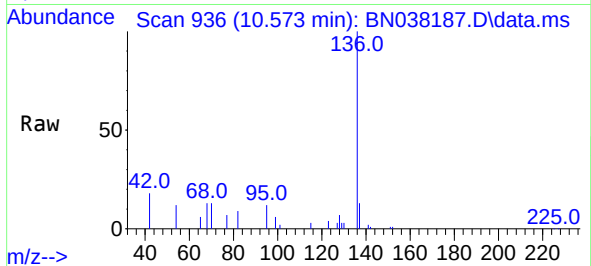




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

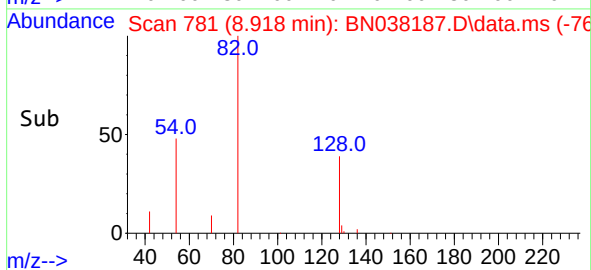
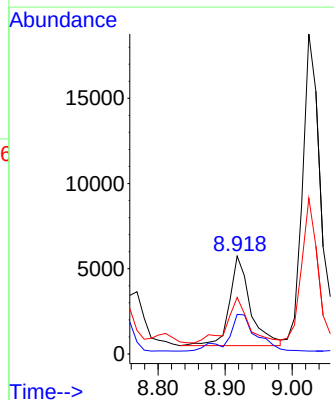
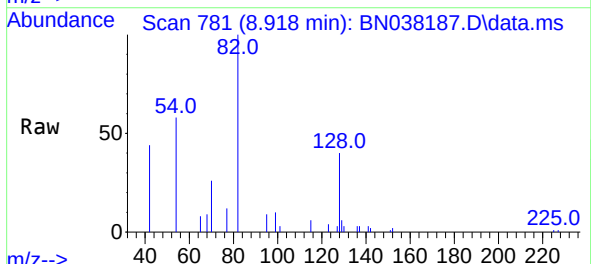
Instrument :
BNA_N
ClientSampleId :
MW-12

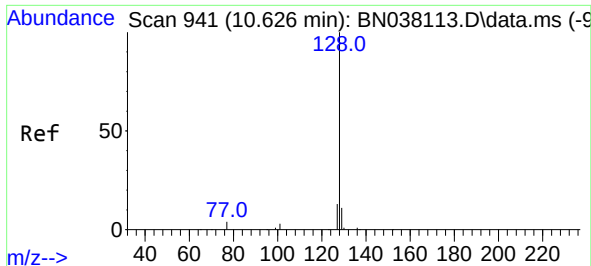
Tgt Ion:	136	Resp:	33487
Ion Ratio	Lower	Upper	
136	100		
137	13.3	9.0	13.4
54	11.8	5.2	7.8#
68	13.2	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.420 ng
RT: 8.918 min Scan# 781
Delta R.T. -0.011 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:	82	Resp:	11346
Ion Ratio	Lower	Upper	
82	100		
128	40.3	34.1	51.1
54	57.7	43.5	65.3

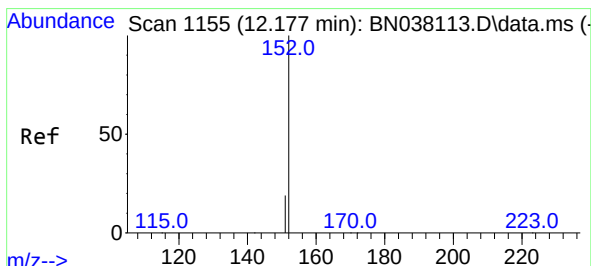
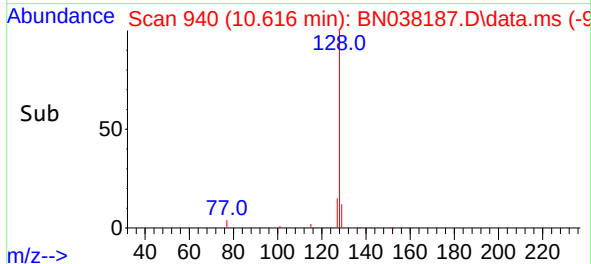
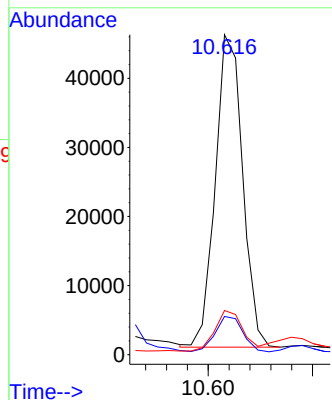
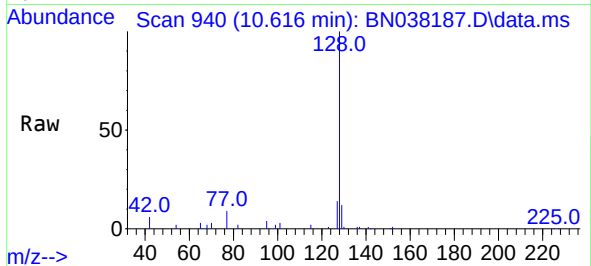




#9
Naphthalene
Concen: 0.892 ng
RT: 10.616 min Scan# 941
Delta R.T. -0.011 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

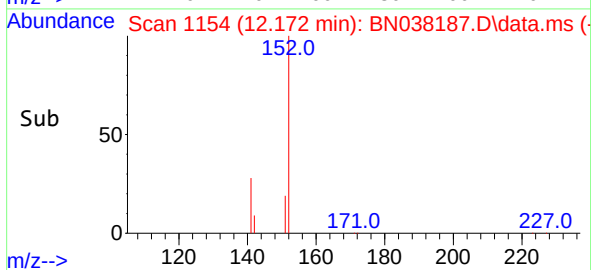
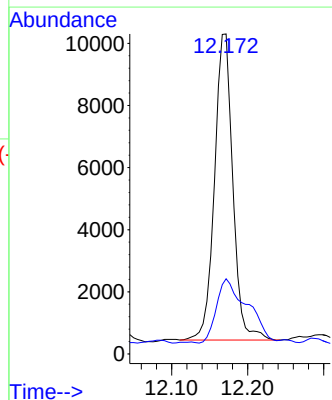
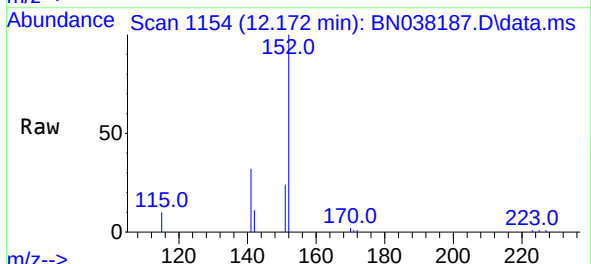
Instrument :
BNA_N
ClientSampleId :
MW-12

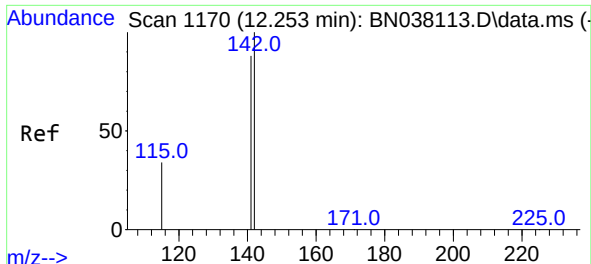
Tgt Ion:128 Resp: 82244
Ion Ratio Lower Upper
128 100
129 12.0 9.1 13.7
127 13.8 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:152 Resp: 16494
Ion Ratio Lower Upper
152 100
151 35.6 16.8 25.2#

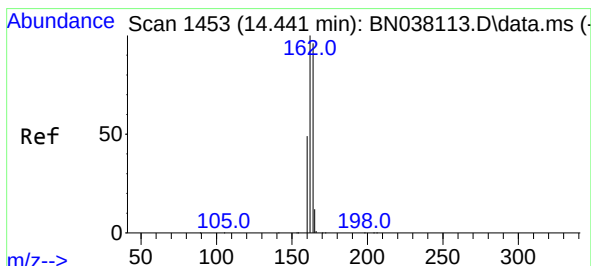
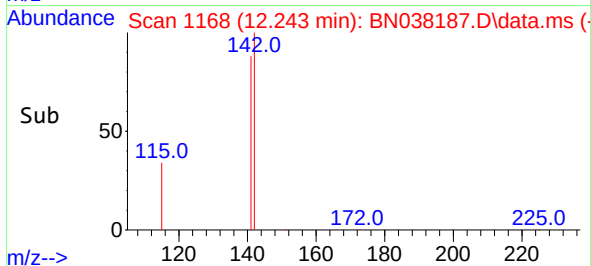
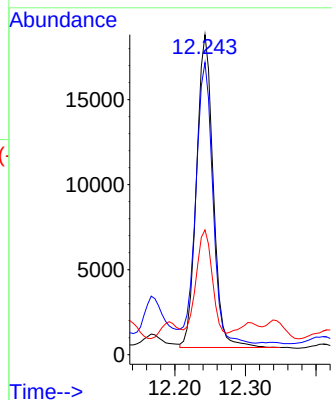
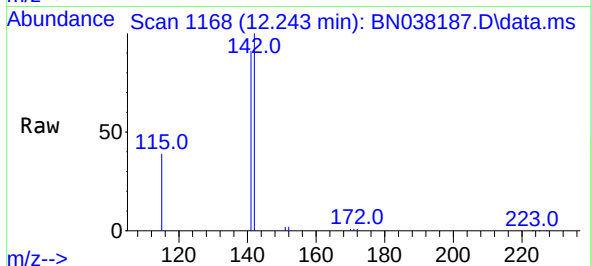




#12
2-Methylnaphthalene
Concen: 0.490 ng
RT: 12.243 min Scan# 1170
Delta R.T. -0.005 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

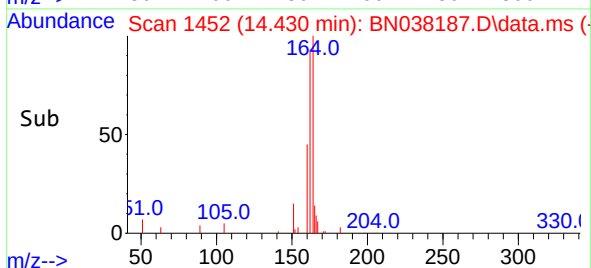
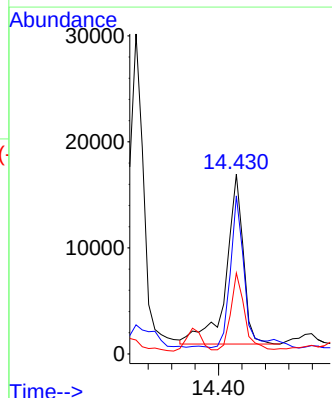
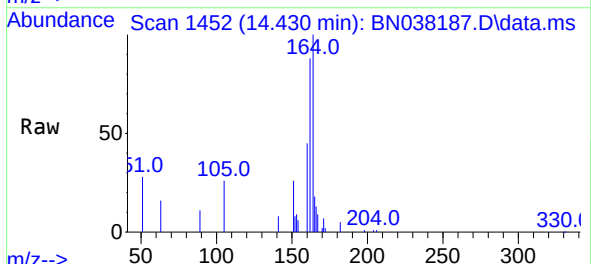
Instrument :
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ClientSampleId :
MW-12

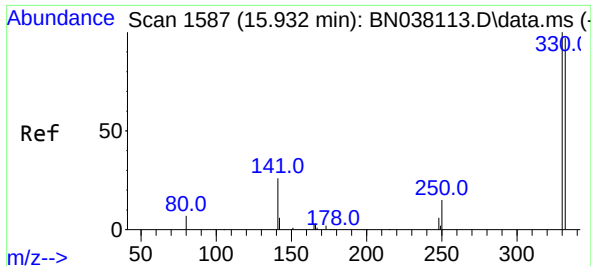
Tgt Ion:142 Resp: 30122
Ion Ratio Lower Upper
142 100
141 91.3 70.3 105.5
115 39.0 27.8 41.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:164 Resp: 32721
Ion Ratio Lower Upper
164 100
162 88.0 83.0 124.4
160 45.0 40.7 61.1

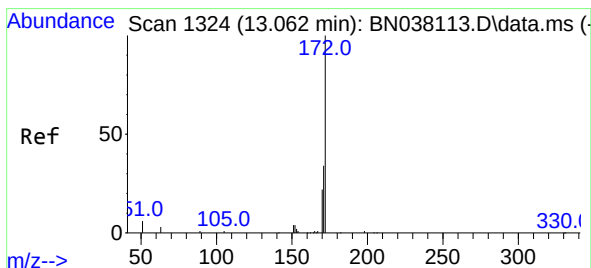
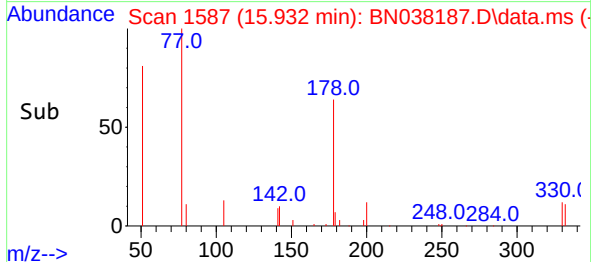
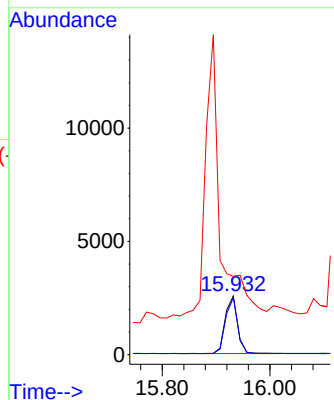
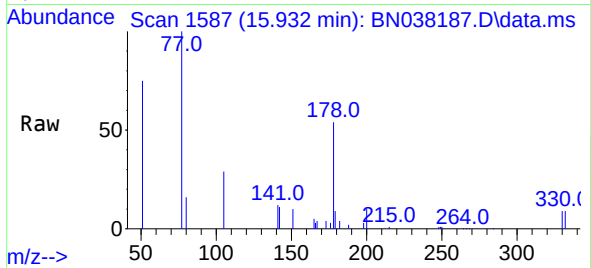




#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

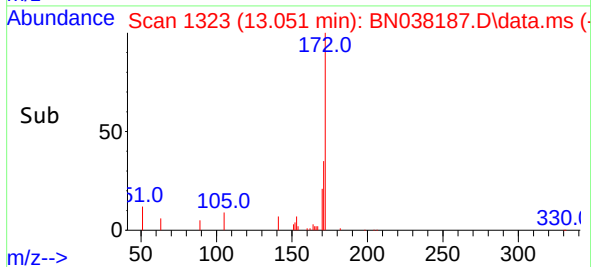
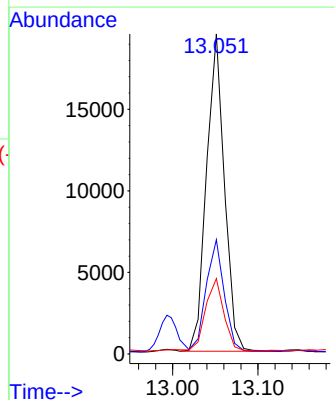
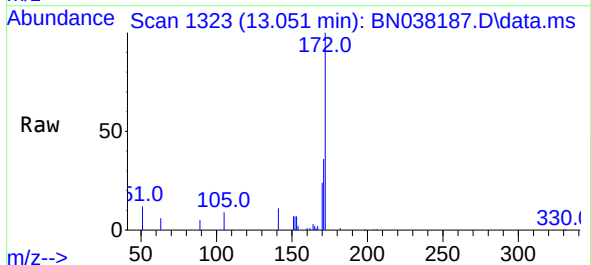
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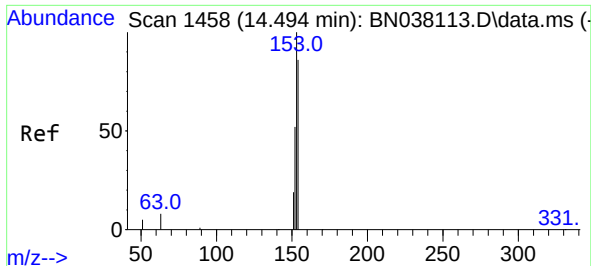
Tgt Ion:330 Resp: 4032
Ion Ratio Lower Upper
330 100
332 96.3 76.6 114.8
141 0.0 34.1 51.1#



#15
2-Fluorobiphenyl
Concen: 0.217 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:172 Resp: 28444
Ion Ratio Lower Upper
172 100
171 35.7 27.8 41.6
170 23.6 18.1 27.1

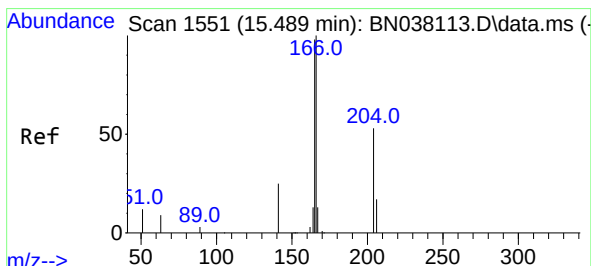
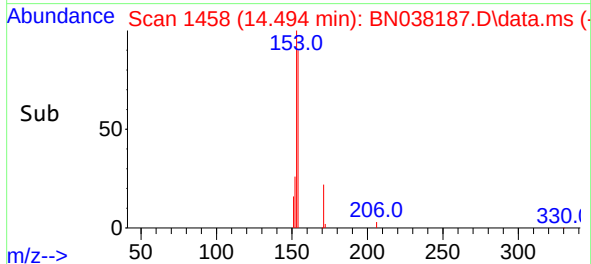
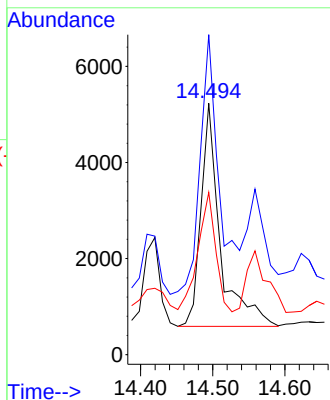
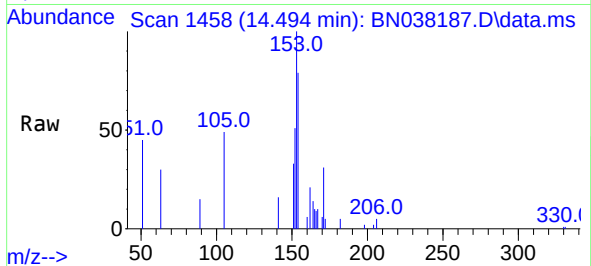




#17
Acenaphthene
Concen: 0.084 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

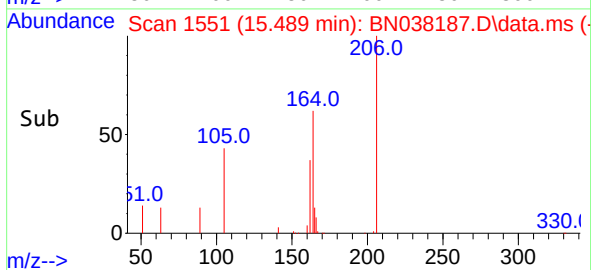
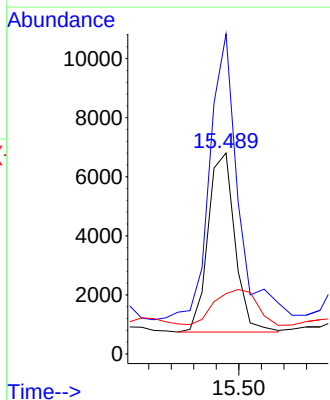
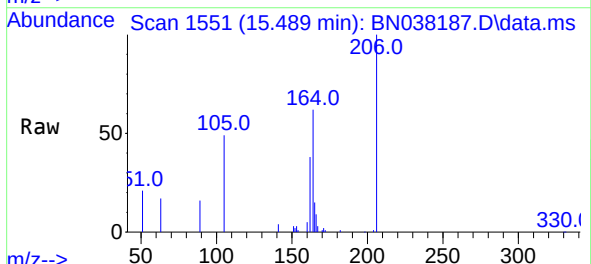
Instrument :
BNA_N
ClientSampleId :
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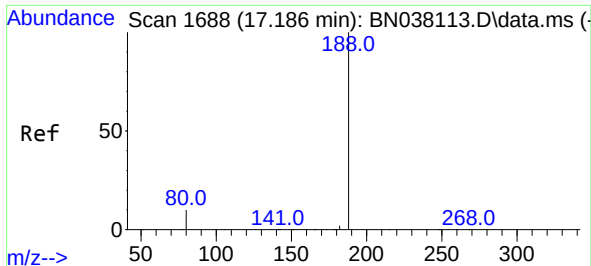
Tgt Ion:154 Resp: 8661
Ion Ratio Lower Upper
154 100
153 114.5 90.0 135.0
152 48.7 47.3 70.9



#18
Fluorene
Concen: 0.077 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:166 Resp: 10440
Ion Ratio Lower Upper
166 100
165 169.2 79.0 118.4#
167 30.3 10.7 16.1#

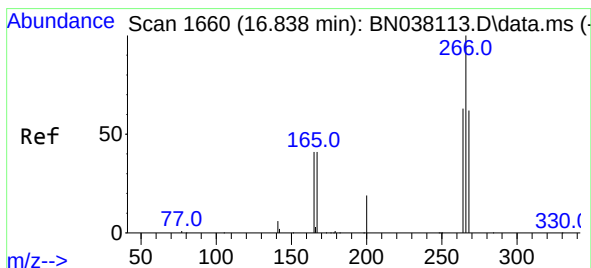
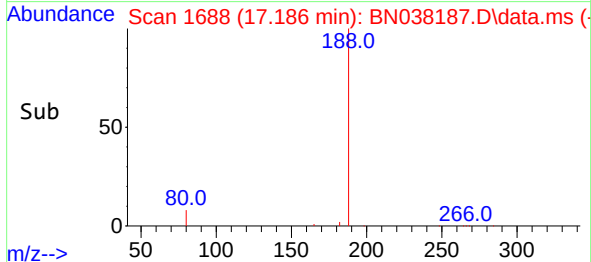
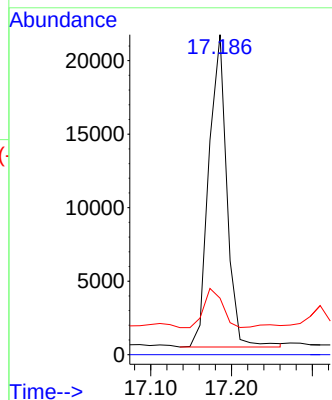
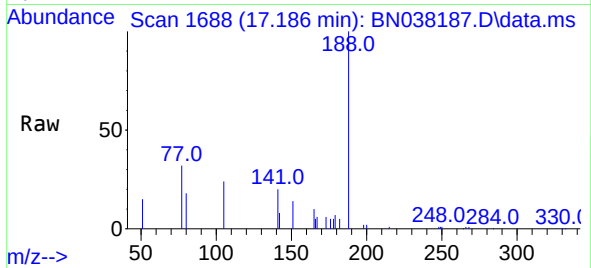




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

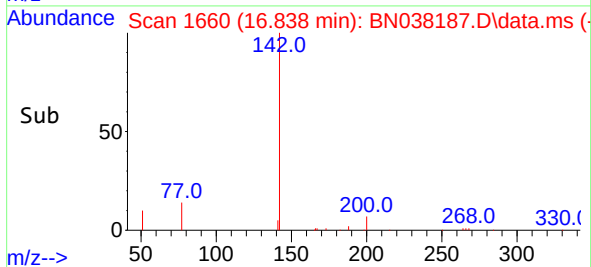
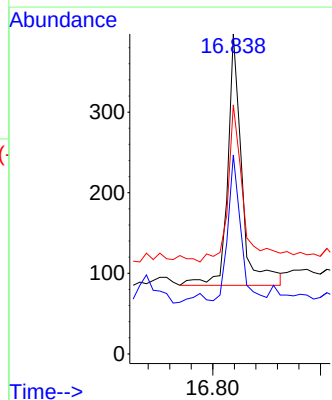
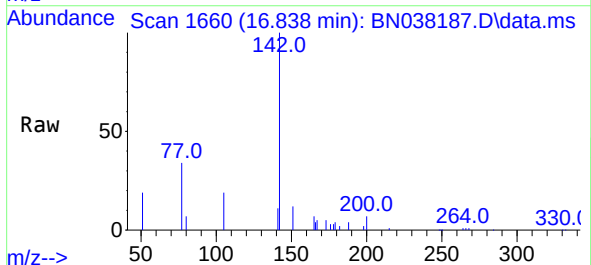
Instrument :
BNA_N
ClientSampleId :
MW-12

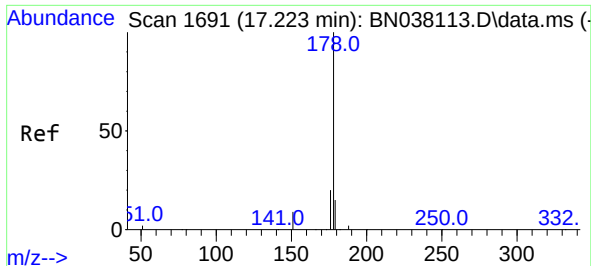
Tgt Ion:188 Resp: 32892
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.6 8.6 13.0#



#24
Pentachlorophenol
Concen: 0.054 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:266 Resp: 572
Ion Ratio Lower Upper
266 100
264 51.9 49.3 73.9
268 71.9 50.6 75.8

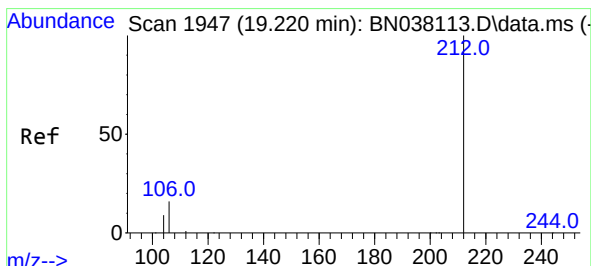
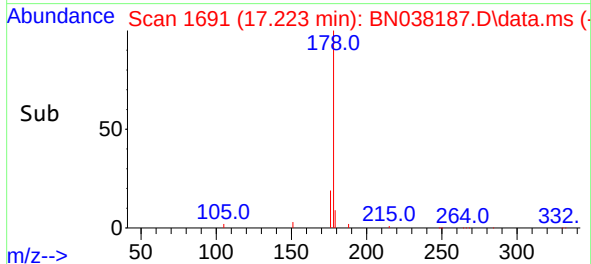
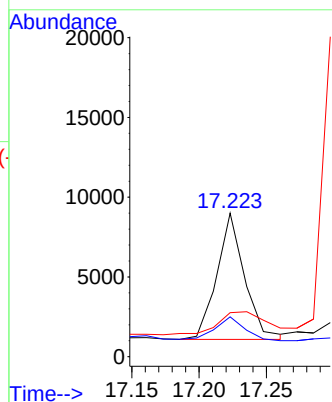
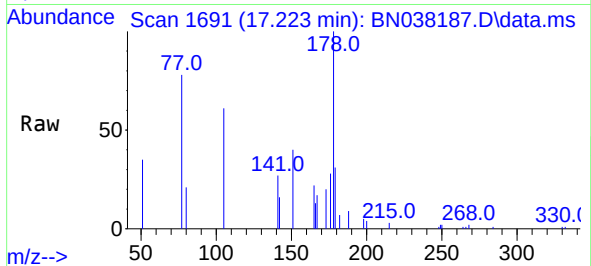




#25
Phenanthrene
Concen: 0.109 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

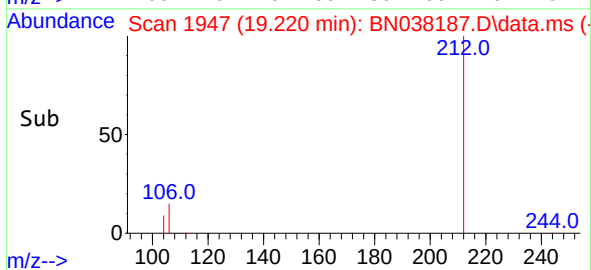
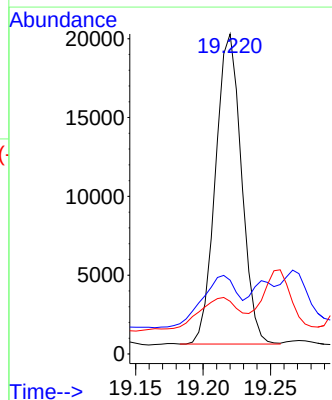
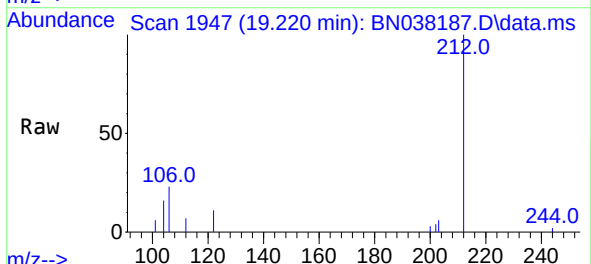
Instrument :
BNA_N
ClientSampleId :
MW-12

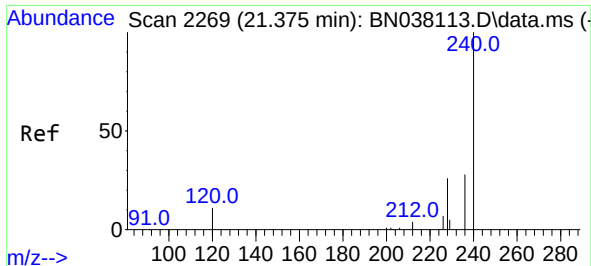
Tgt Ion:178 Resp: 11353
Ion Ratio Lower Upper
178 100
176 20.4 15.5 23.3
179 40.1 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.220 min Scan# 1947
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:212 Resp: 26290
Ion Ratio Lower Upper
212 100
106 23.1 12.6 19.0#
104 19.1 7.1 10.7#

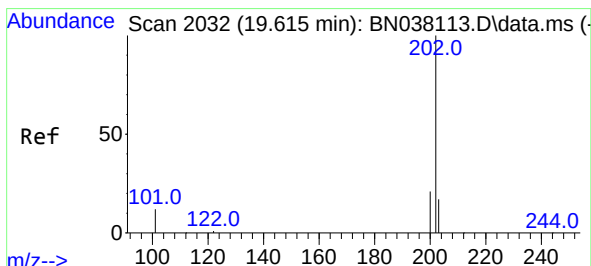
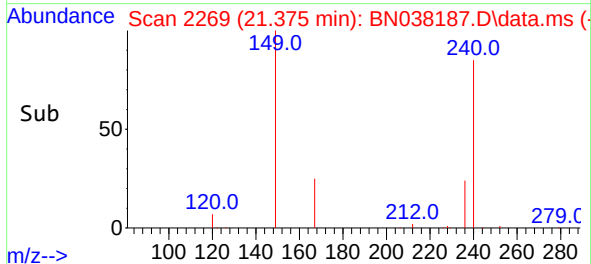
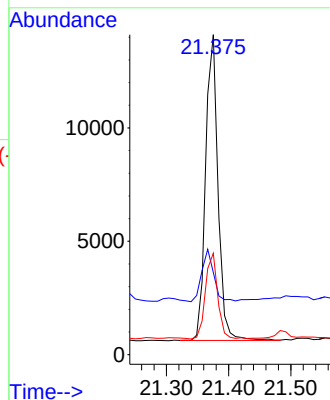
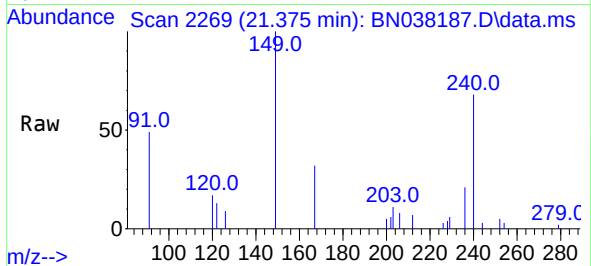




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

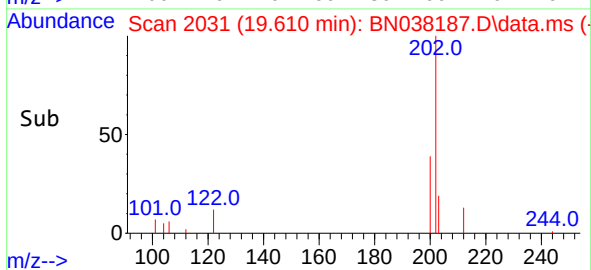
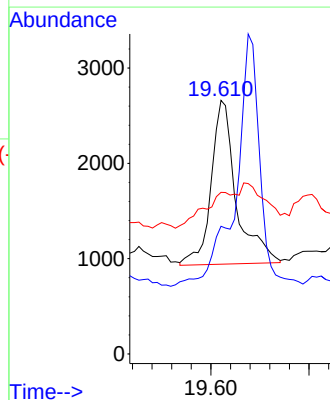
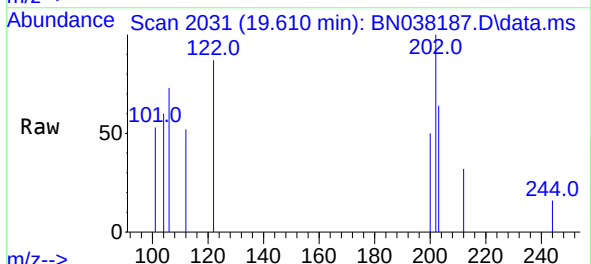
Instrument :
BNA_N
ClientSampleId :
MW-12

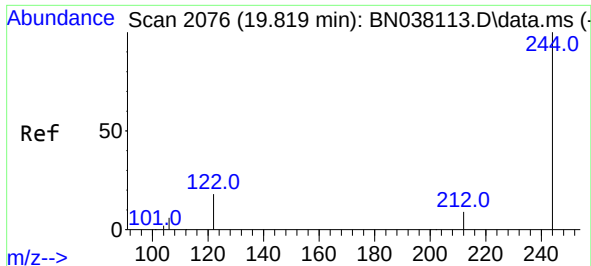
Tgt Ion:240 Resp: 18590
Ion Ratio Lower Upper
240 100
120 25.7 10.7 16.1#
236 31.7 23.1 34.7



#30
Pyrene
Concen: 0.037 ng
RT: 19.610 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

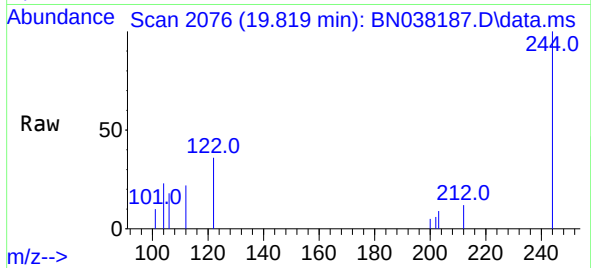
Tgt Ion:202 Resp: 3065
Ion Ratio Lower Upper
202 100
200 0.0 16.7 25.1#
203 23.5 14.2 21.2#



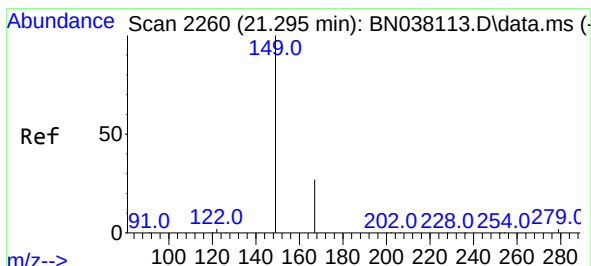
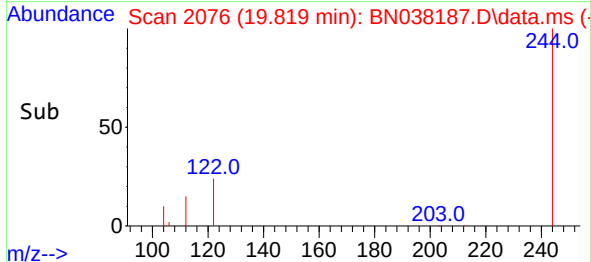
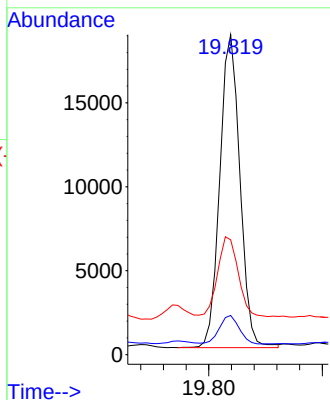


#31
Terphenyl-d14
Concen: 0.567 ng
RT: 19.819 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Instrument :
BNA_N
ClientSampleId :
MW-12

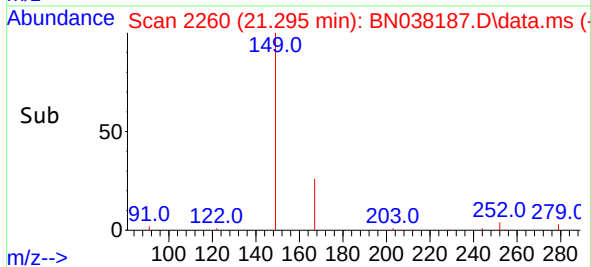
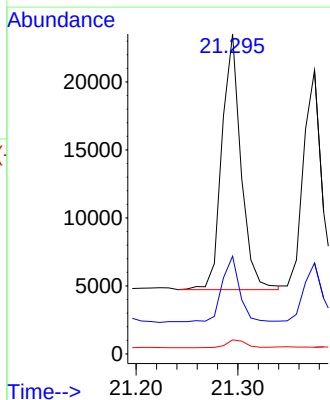
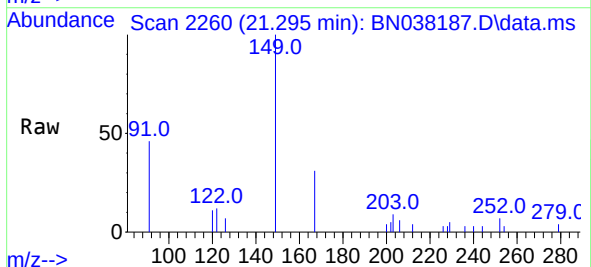


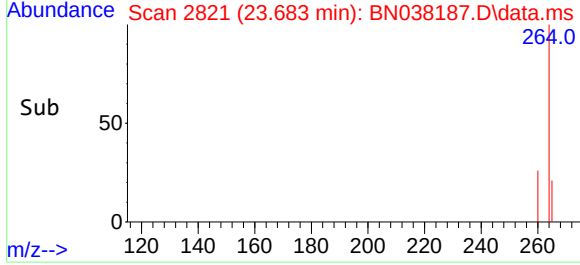
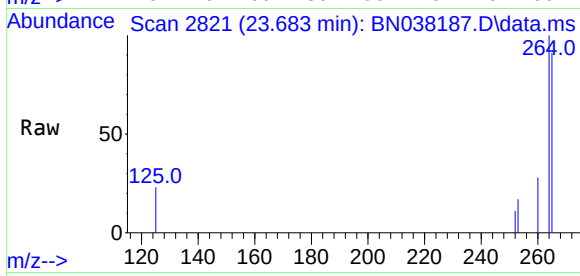
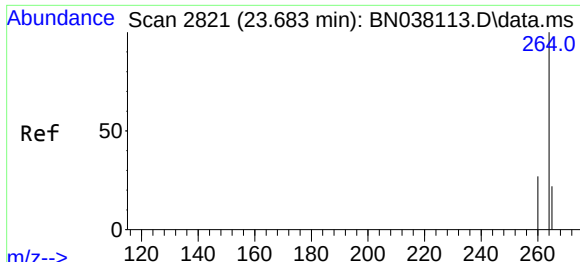
Tgt Ion:244 Resp: 22910
Ion Ratio Lower Upper
244 100
212 12.2 7.8 11.6#
122 35.9 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.700 ng
RT: 21.295 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Tgt Ion:149 Resp: 24436
Ion Ratio Lower Upper
149 100
167 23.2 21.1 31.7
279 3.2 2.9 4.3





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN038187.D
Acq: 12 Nov 2025 11:56

Instrument :
BNA_N
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 18643

Ion	Ratio	Lower	Upper
264	100		
260	28.3	21.8	32.8
265	91.5	68.6	102.8

