

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038350.D
 Acq On : 12 Dec 2025 13:38
 Operator : RC/JU
 Sample : Q3828-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-120925

Quant Time: Dec 12 14:02:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

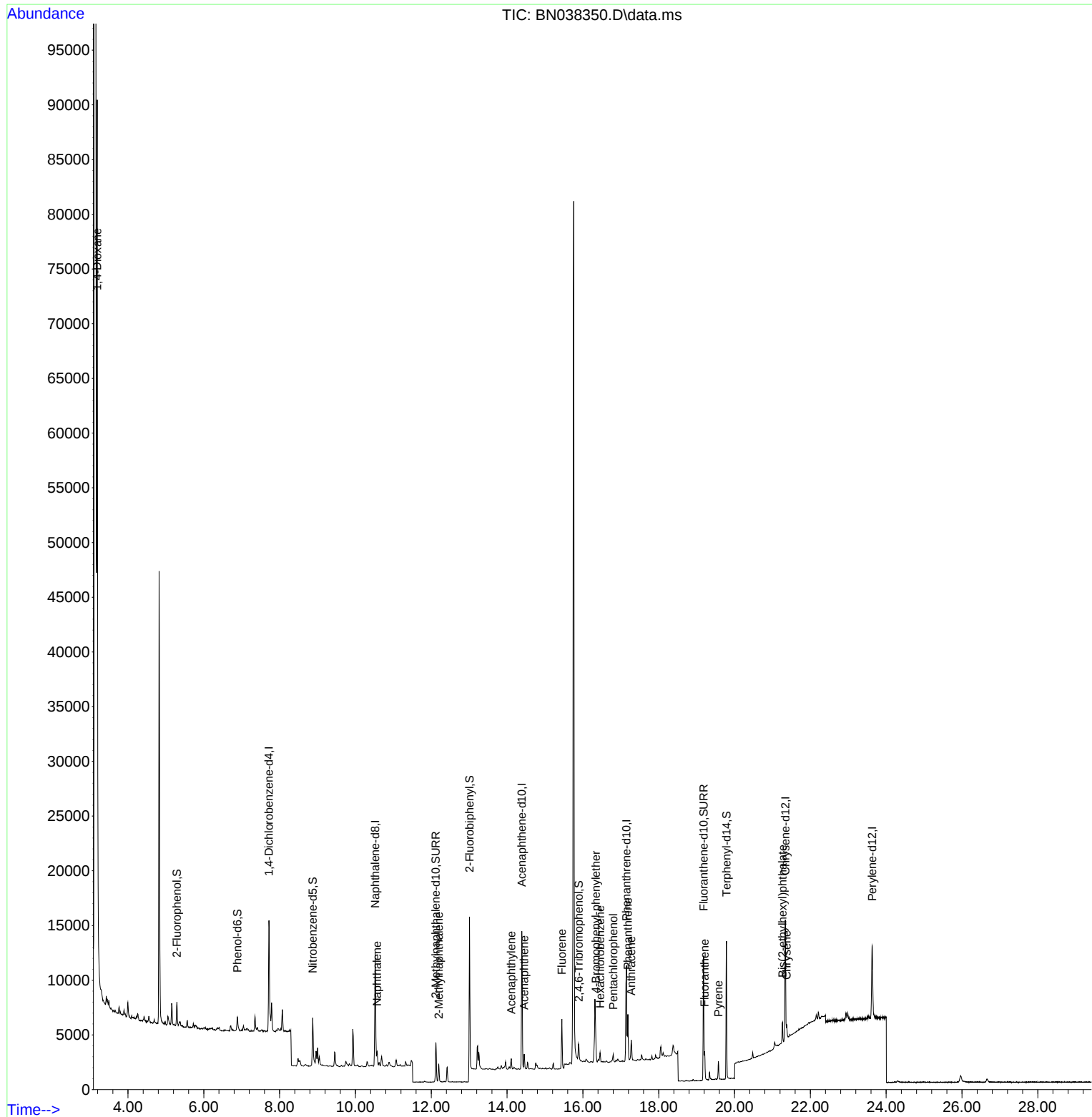
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5116	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	13853	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	6995	0.400	ng	-0.01
19) Phenanthrene-d10	17.149	188	12856	0.400	ng	0.00
29) Chrysene-d12	21.340	240	9842	0.400	ng	0.00
35) Perylene-d12	23.630	264	9541	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	1721	0.135	ng	0.00
5) Phenol-d6	6.887	99	1248	0.082	ng	0.00
8) Nitrobenzene-d5	8.875	82	3598	0.308	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	5354	0.274	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	944	0.304	ng	0.00
15) 2-Fluorobiphenyl	13.008	172	12597	0.374	ng	0.00
27) Fluoranthene-d10	19.183	212	12016	0.378	ng	0.00
31) Terphenyl-d14	19.787	244	11495	0.523	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.189	88	38874	6.627	ng	97
9) Naphthalene	10.573	128	1705	0.042	ng	# 86
12) 2-Methylnaphthalene	12.197	142	1228	0.047	ng	# 93
16) Acenaphthylene	14.110	152	1099	0.032	ng	# 93
17) Acenaphthene	14.452	154	646	0.027	ng	94
18) Fluorene	15.446	166	1725	0.056	ng	99
21) 4-Bromophenyl-phenylether	16.342	248	799	0.084	ng	99
22) Hexachlorobenzene	16.453	284	661	0.058	ng	90
24) Pentachlorophenol	16.801	266	321	0.072	ng	98
25) Phenanthrene	17.186	178	4280	0.096	ng	99
26) Anthracene	17.273	178	2317	0.060	ng	99
28) Fluoranthene	19.211	202	1936	0.041	ng	# 94
30) Pyrene	19.573	202	1505	0.031	ng	98
33) Chrysene	21.375	228	1015	0.024	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.268	149	2000	0.096	ng	# 99

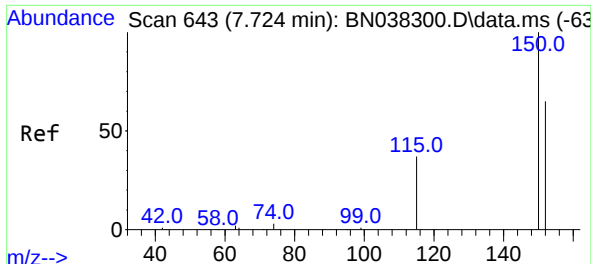
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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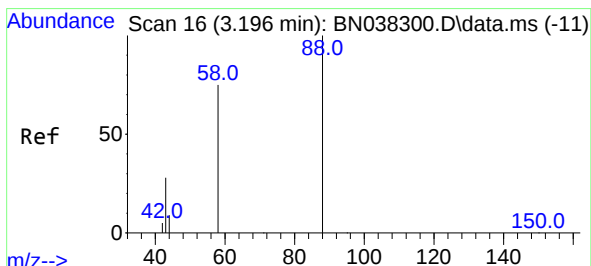
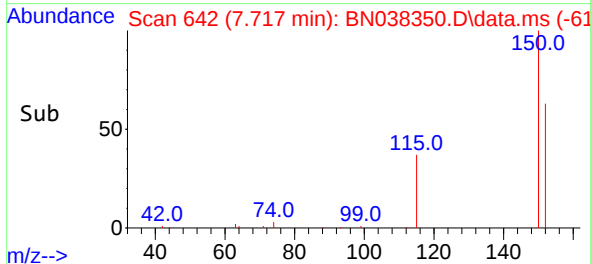
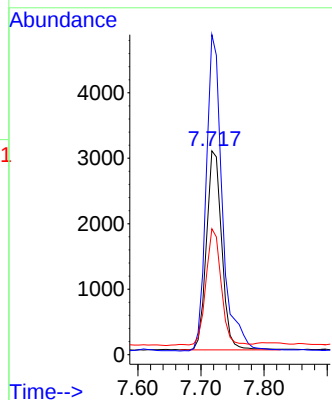
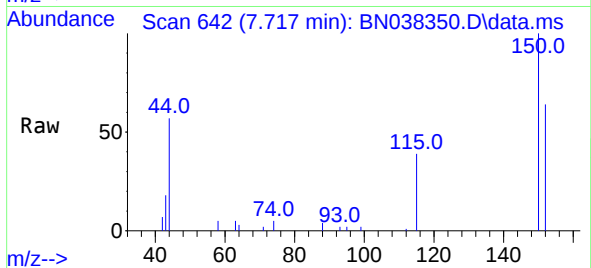




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

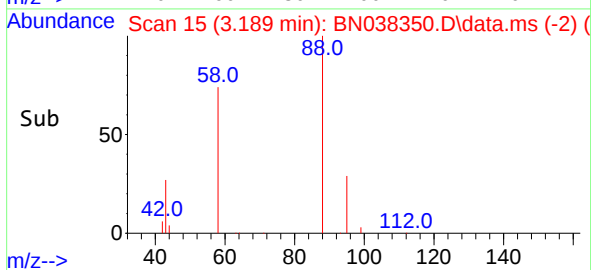
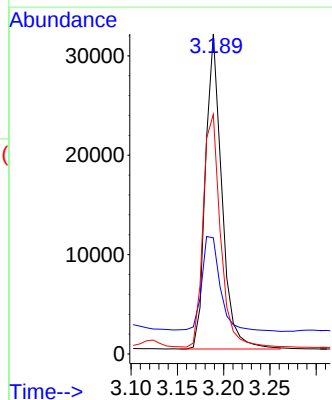
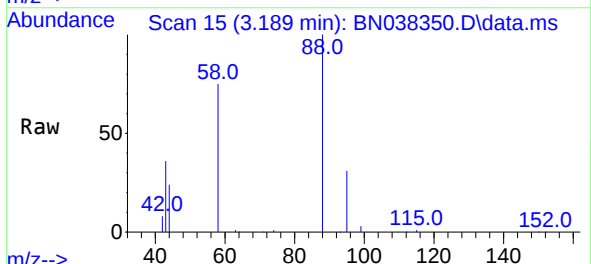
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

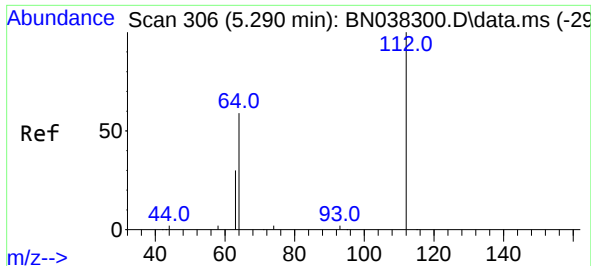
Tgt Ion:152 Resp: 5116
Ion Ratio Lower Upper
152 100
150 157.0 122.4 183.6
115 61.8 47.3 70.9



#2
1,4-Dioxane
Concen: 6.627 ng
RT: 3.189 min Scan# 15
Delta R.T. -0.007 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion: 88 Resp: 38874
Ion Ratio Lower Upper
88 100
43 34.5 24.9 37.3
58 78.1 61.4 92.0

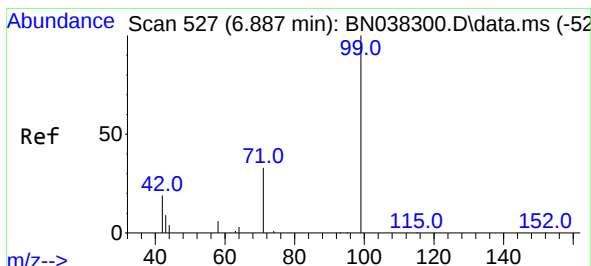
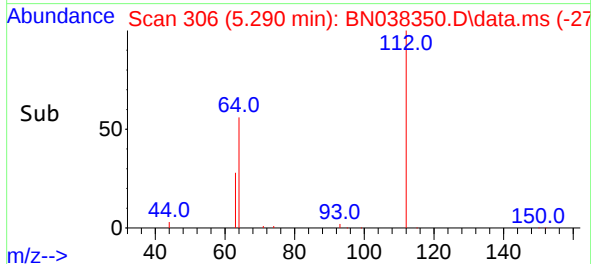
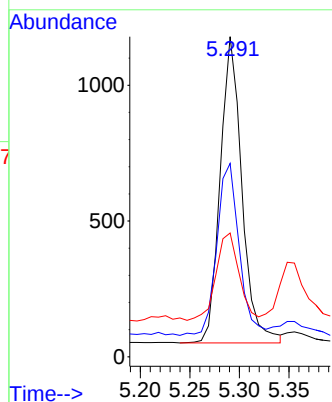
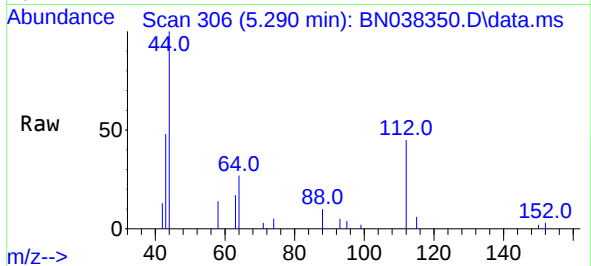




#4
2-Fluorophenol
Concen: 0.135 ng
RT: 5.290 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

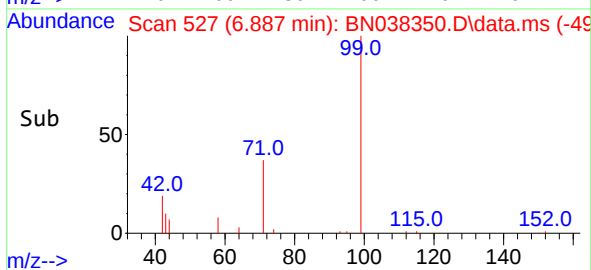
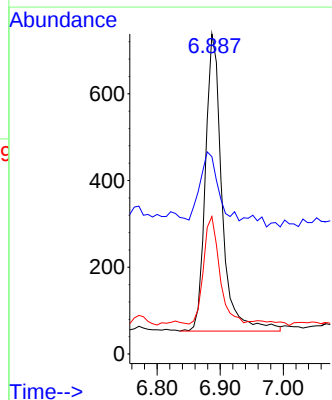
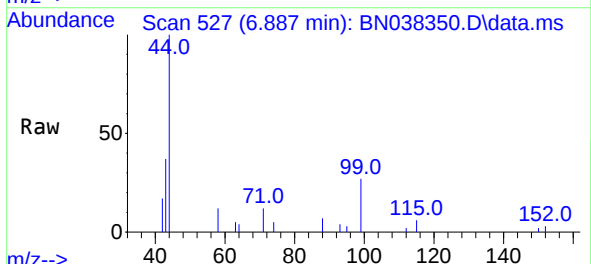
Instrument :
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ClientSampleId :
RMW-03B-90-120925

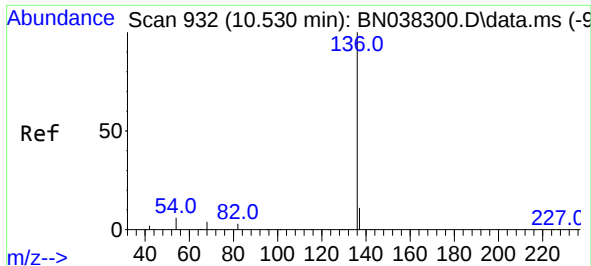
Tgt Ion:112 Resp: 1721
Ion Ratio Lower Upper
112 100
64 57.4 44.4 66.6
63 30.3 23.4 35.0



#5
Phenol-d6
Concen: 0.082 ng
RT: 6.887 min Scan# 527
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion: 99 Resp: 1248
Ion Ratio Lower Upper
99 100
42 24.3 16.5 24.7
71 35.3 24.9 37.3

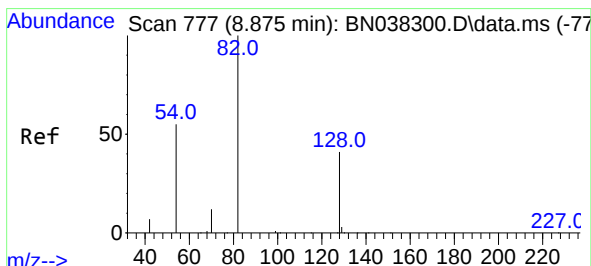
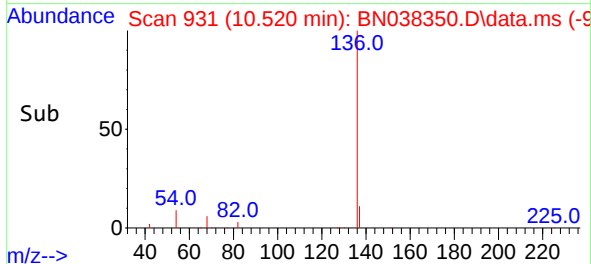
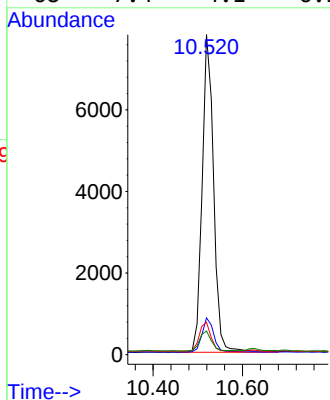
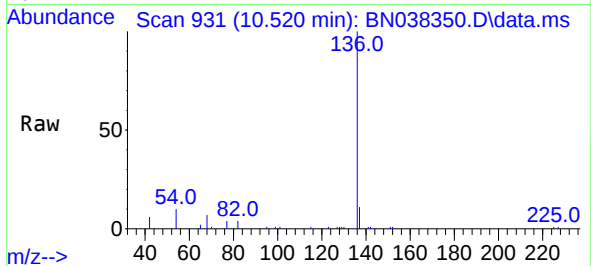




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

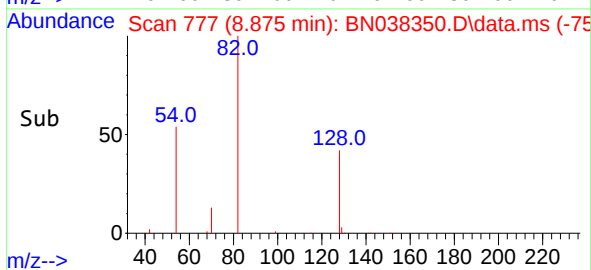
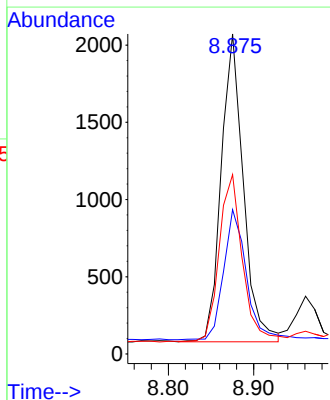
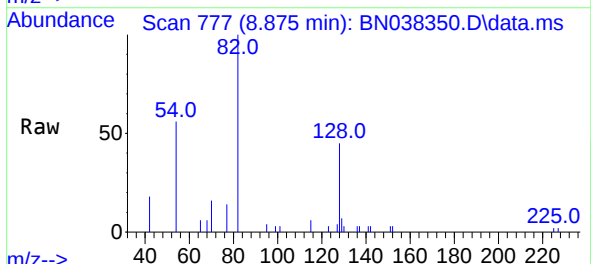
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

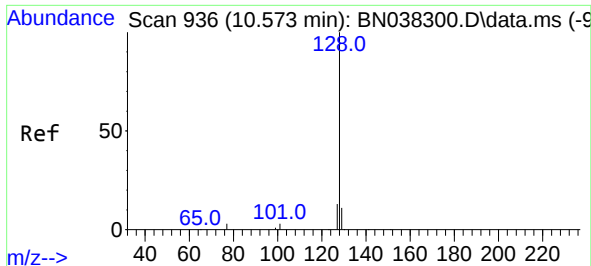
Tgt Ion:	136	Resp:	13853
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.1	5.2	7.8#
68	7.4	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:	82	Resp:	3598
Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	56.0	44.4	66.6

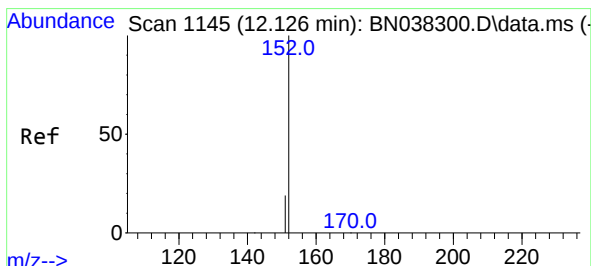
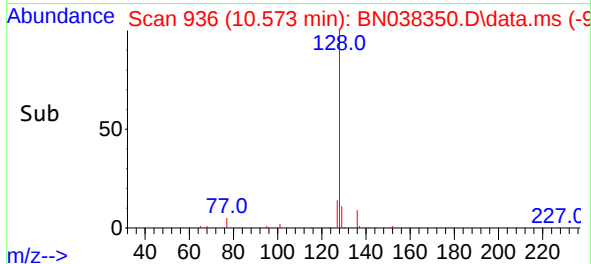
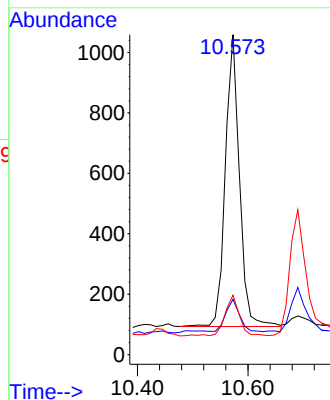
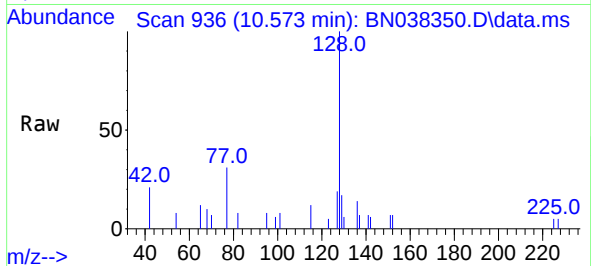




#9
Naphthalene
Concen: 0.042 ng
RT: 10.573 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

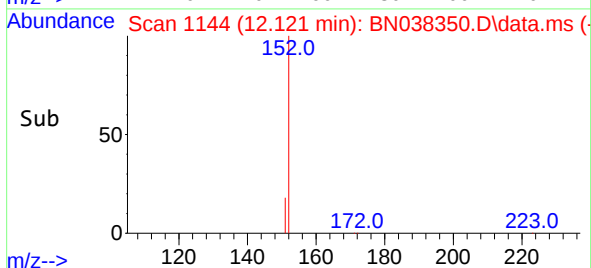
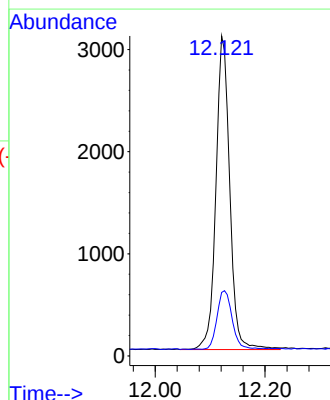
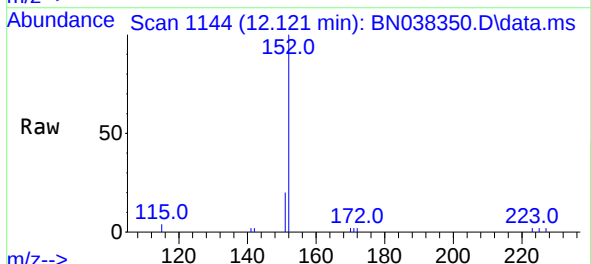
Instrument :
BNA_N
ClientSampleId :
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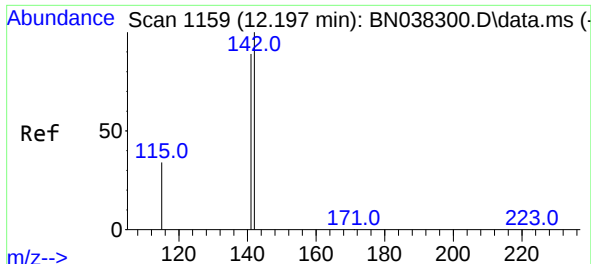
Tgt Ion:128 Resp: 1705
Ion Ratio Lower Upper
128 100
129 17.3 9.1 13.7#
127 18.6 10.9 16.3#



#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:152 Resp: 5354
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6

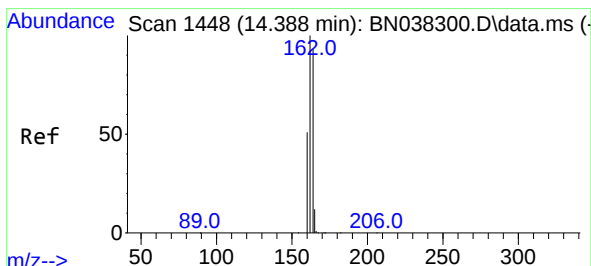
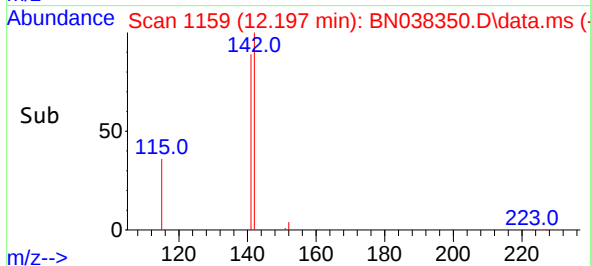
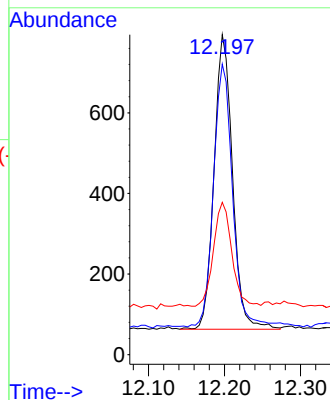
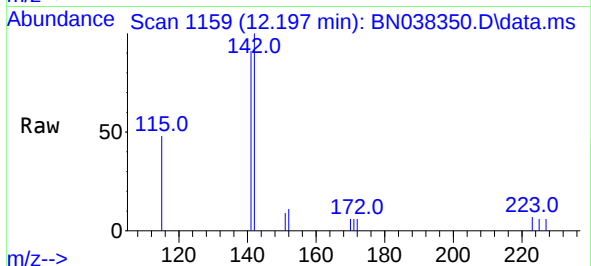




#12
2-Methylnaphthalene
Concen: 0.047 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.005 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

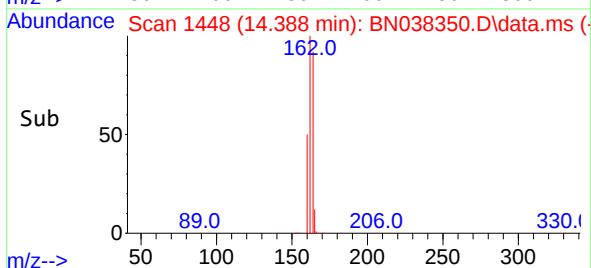
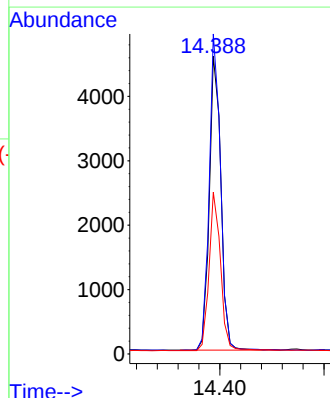
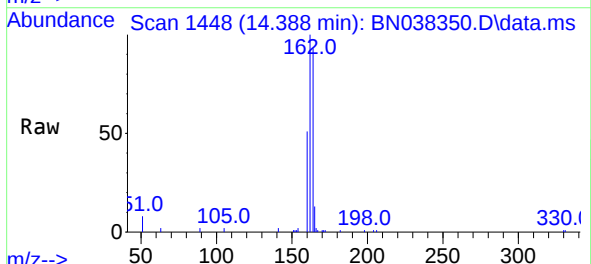
Instrument :
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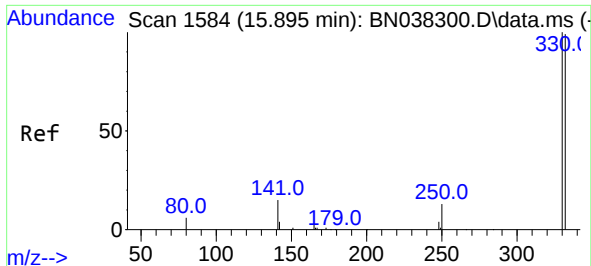
Tgt Ion:	142	Resp:	1228
Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.4	107.2
115	47.6	28.4	42.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:	164	Resp:	6995
Ion	Ratio	Lower	Upper
164	100		
162	107.5	86.2	129.4
160	54.3	44.6	67.0

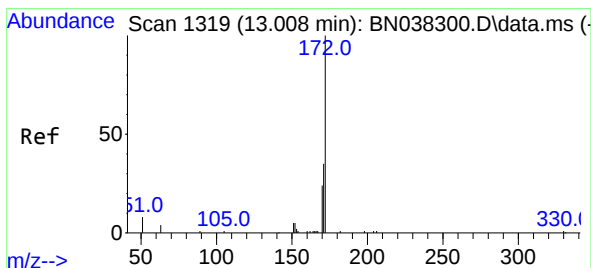
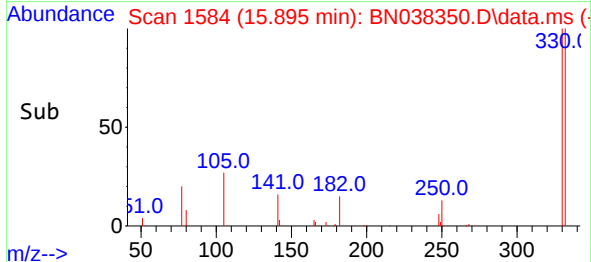
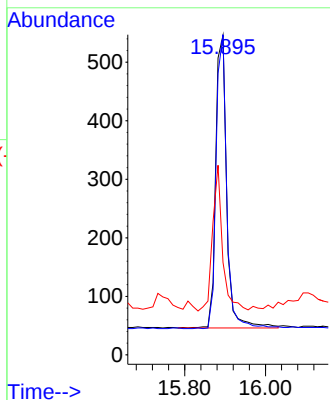
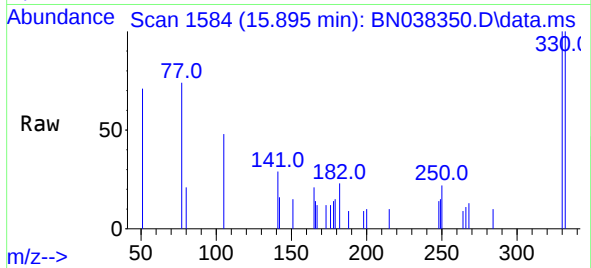




#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

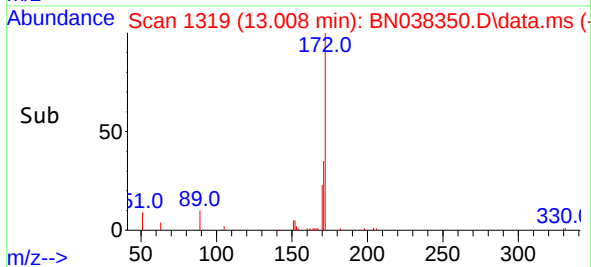
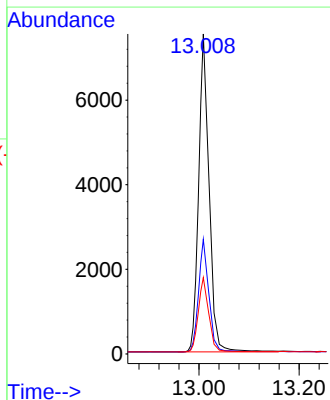
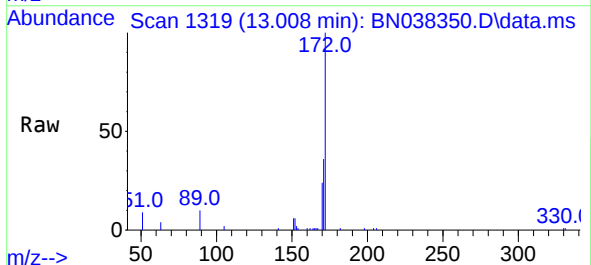
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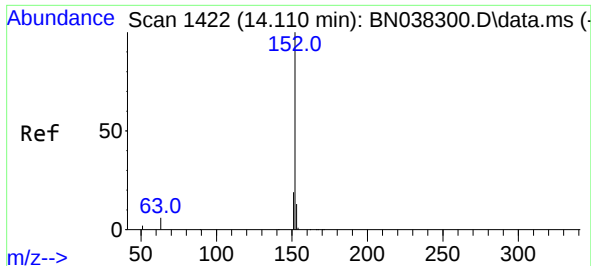
Tgt Ion:	330	Resp:	944
Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.8	113.6
141	45.2	31.8	47.8



#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.008 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:	172	Resp:	12597
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.8	19.3	28.9

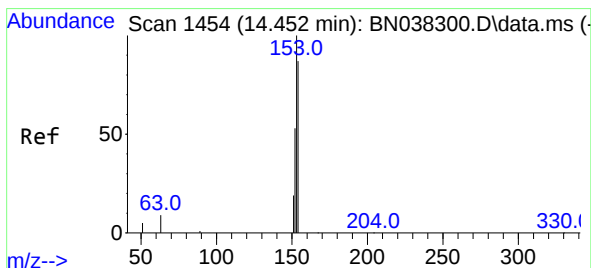
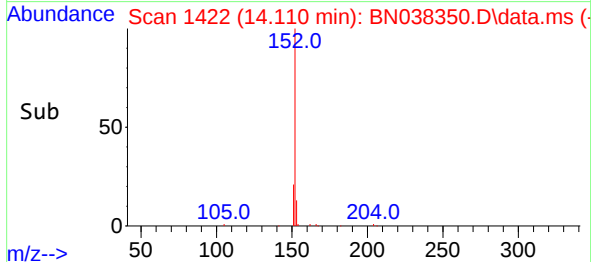
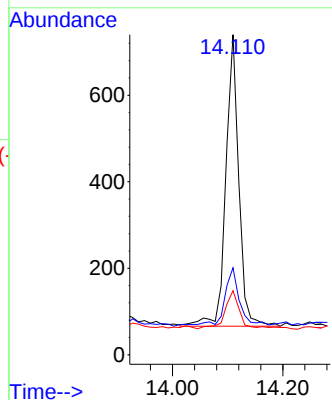
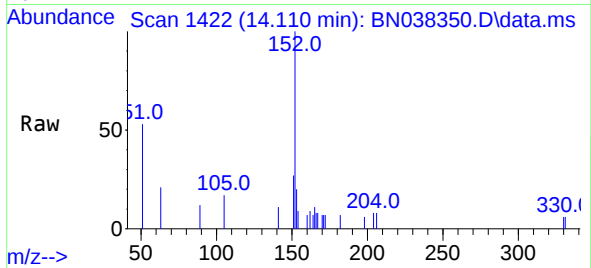




#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

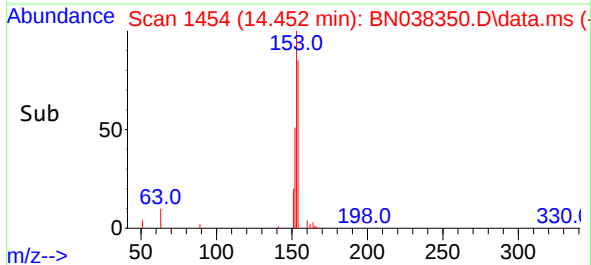
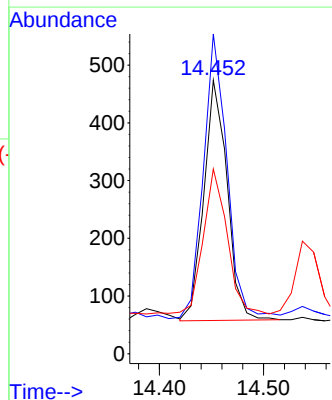
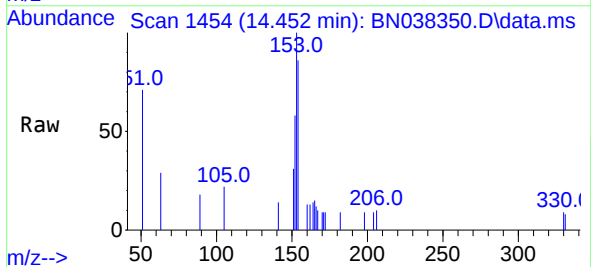
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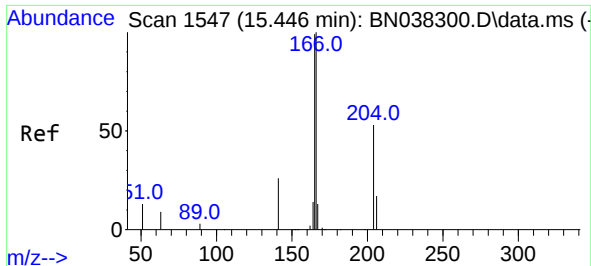
Tgt Ion:152 Resp: 1099
Ion Ratio Lower Upper
152 100
151 23.7 15.4 23.2#
153 14.1 10.2 15.4



#17
Acenaphthene
Concen: 0.027 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.011 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:154 Resp: 646
Ion Ratio Lower Upper
154 100
153 119.8 89.8 134.8
152 62.1 47.5 71.3

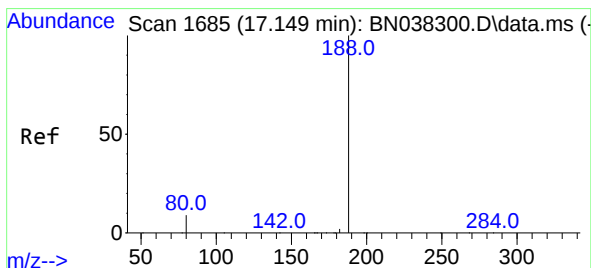
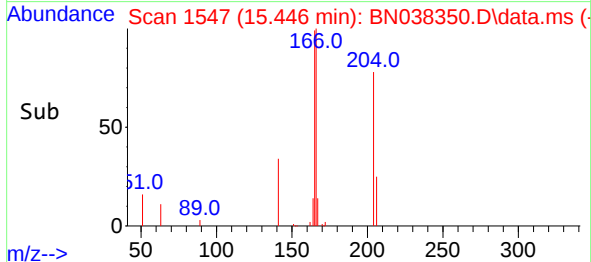
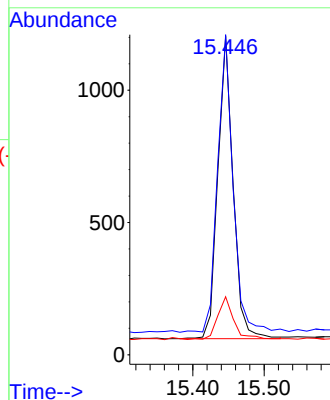
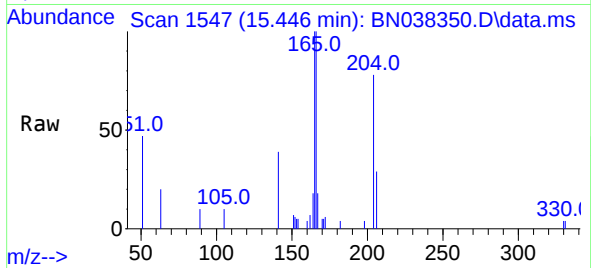




#18
Fluorene
Concen: 0.056 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

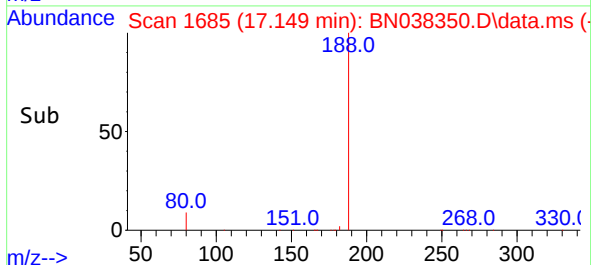
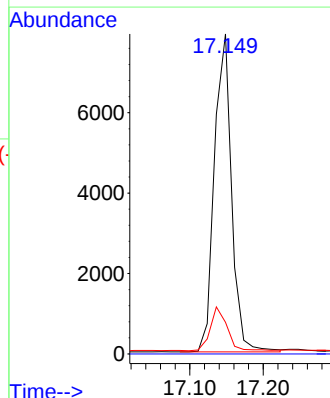
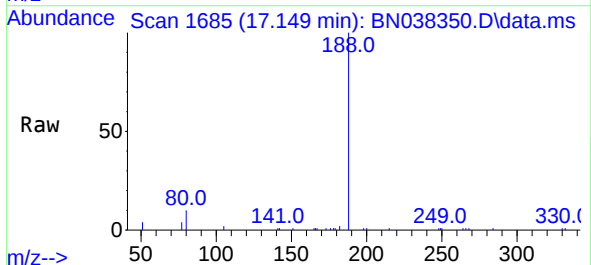
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

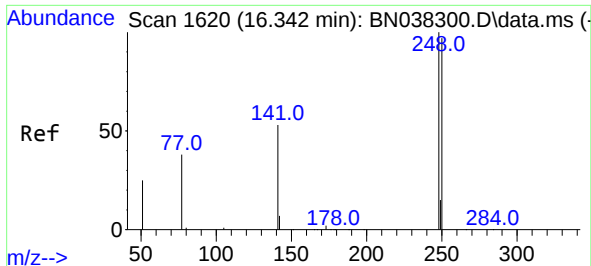
Tgt Ion:	166	Resp:	1725
Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.2	120.4
167	15.8	10.6	16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.149 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:	188	Resp:	12856
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.4	11.0

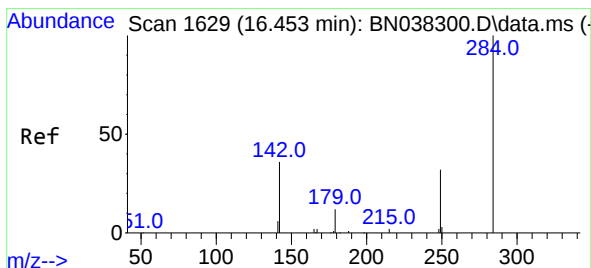
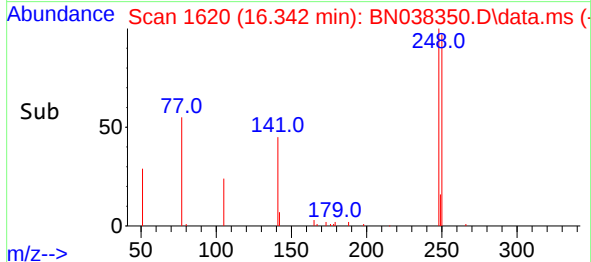
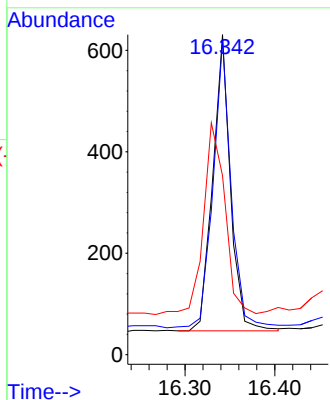
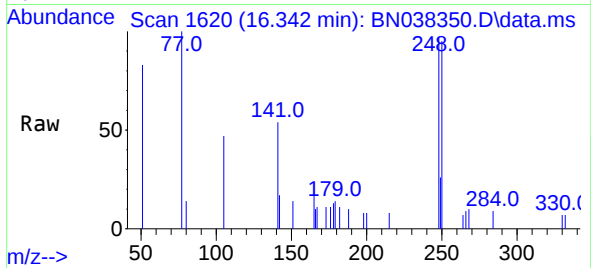




#21
4-Bromophenyl-phenylether
Concen: 0.084 ng
RT: 16.342 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

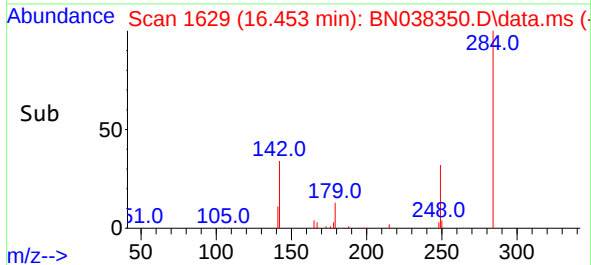
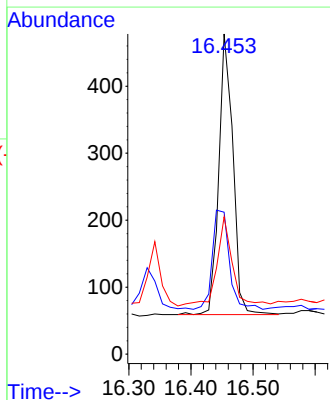
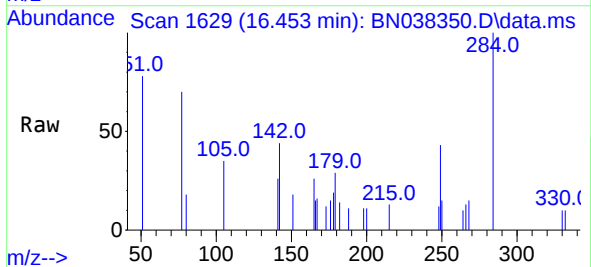
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

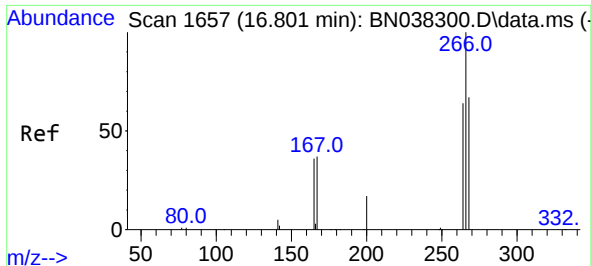
Tgt Ion:	248	Resp:	799
Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.2	117.2
141	55.9	43.7	65.5



#22
Hexachlorobenzene
Concen: 0.058 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.012 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:	284	Resp:	661
Ion	Ratio	Lower	Upper
284	100		
142	42.4	29.5	44.3
249	34.9	23.7	35.5

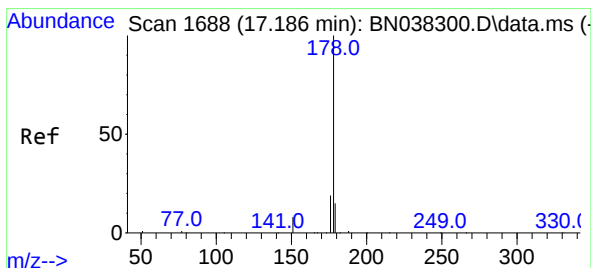
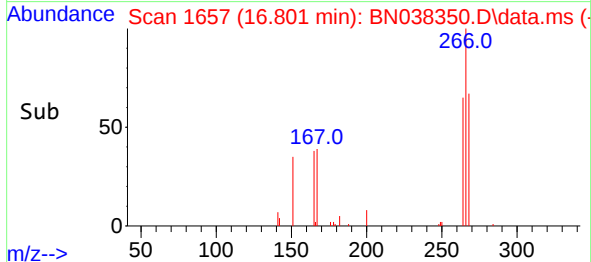
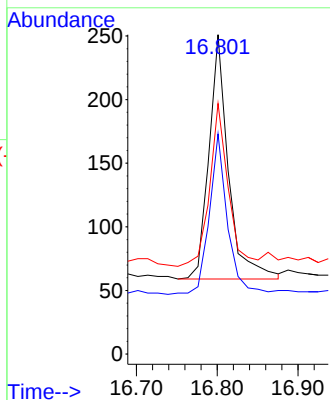
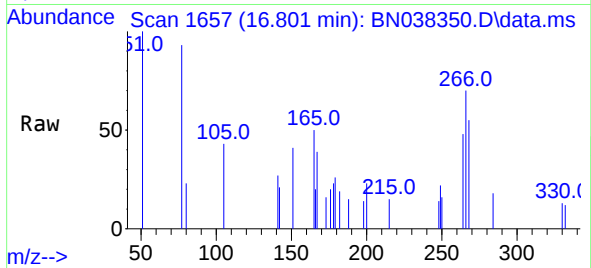




#24
 Pentachlorophenol
 Concen: 0.072 ng
 RT: 16.801 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

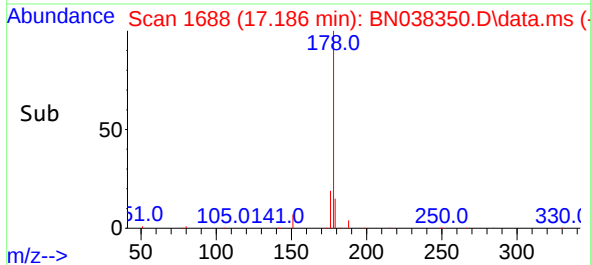
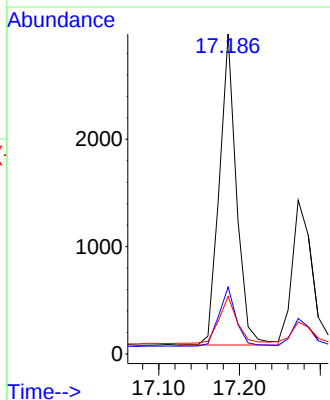
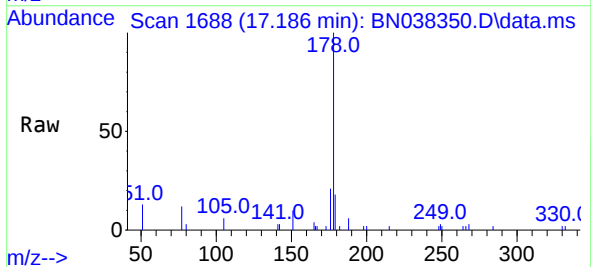
Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-120925

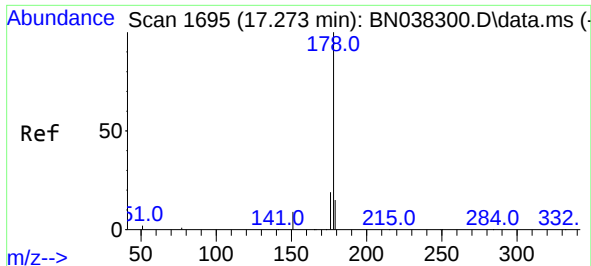
Tgt Ion:	266	Resp:	321
Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.2	75.2
268	63.6	52.6	78.8



#25
 Phenanthrene
 Concen: 0.096 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. 0.000 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

Tgt Ion:	178	Resp:	4280
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	16.2	12.2	18.2

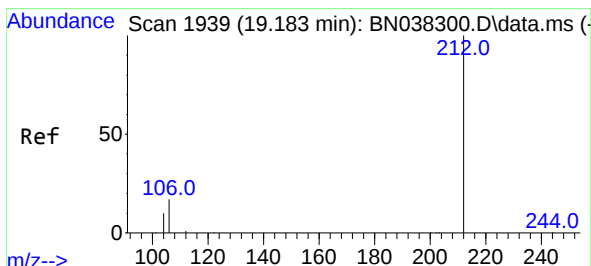
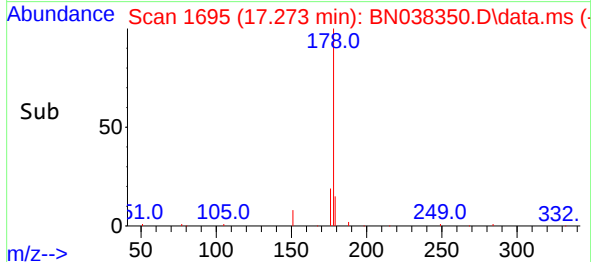
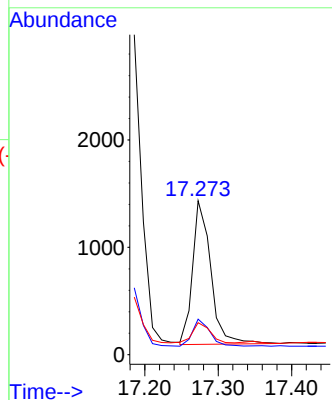
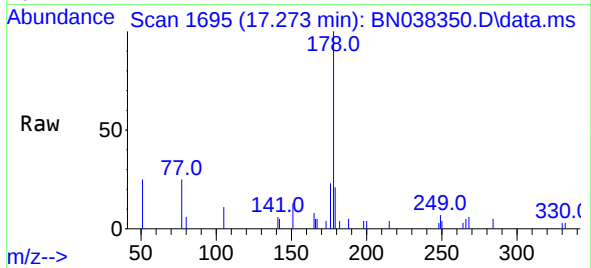




#26
 Anthracene
 Concen: 0.060 ng
 RT: 17.273 min Scan# 1695
 Delta R.T. -0.012 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

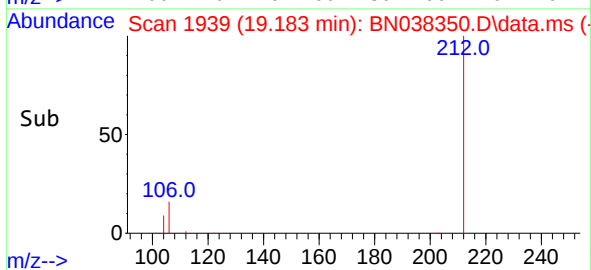
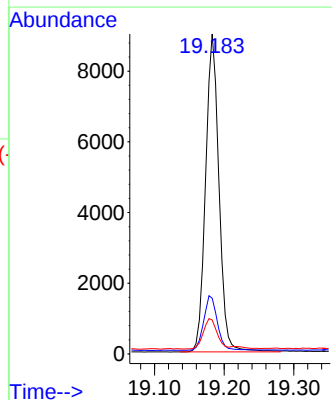
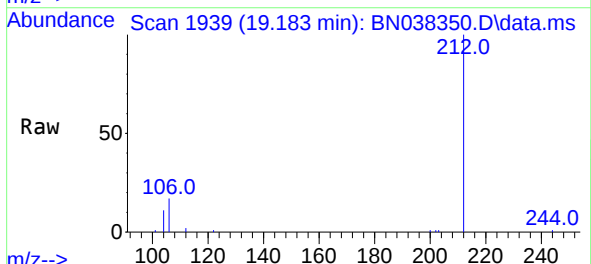
Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-120925

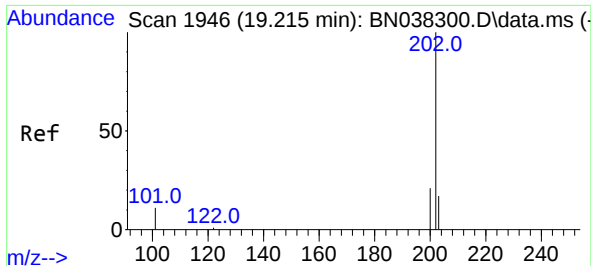
Tgt Ion:	178	Resp:	2317
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	15.1	12.0	18.0



#27
 Fluoranthene-d10
 Concen: 0.378 ng
 RT: 19.183 min Scan# 1939
 Delta R.T. -0.005 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

Tgt Ion:	212	Resp:	12016
Ion	Ratio	Lower	Upper
212	100		
106	17.5	13.7	20.5
104	9.8	7.8	11.8

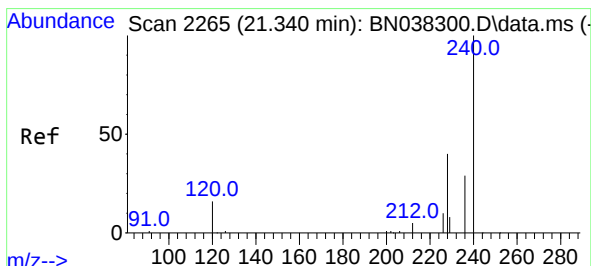
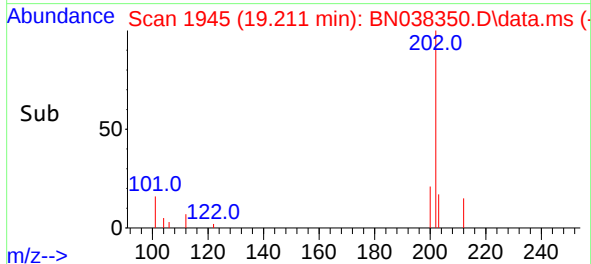
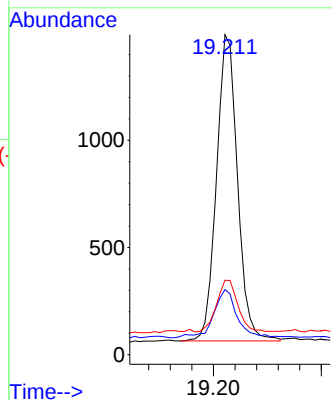
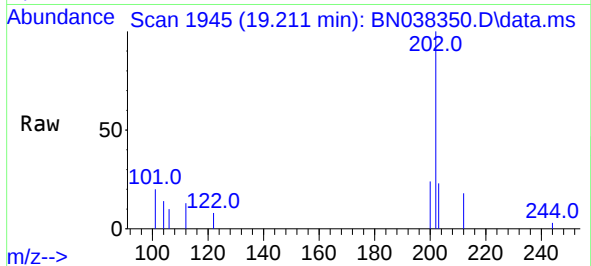




#28
Fluoranthene
Concen: 0.041 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

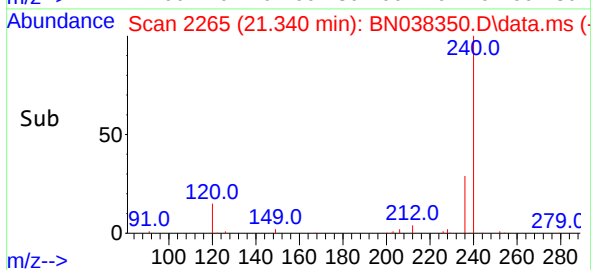
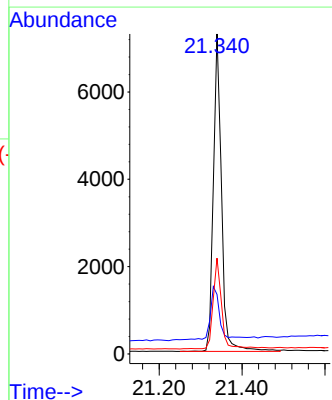
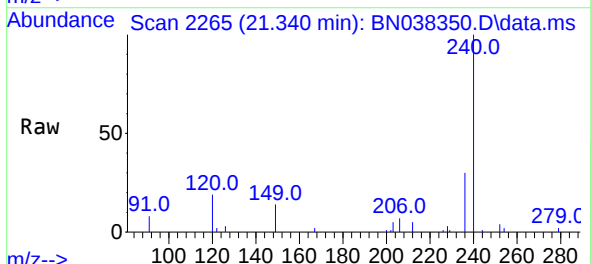
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

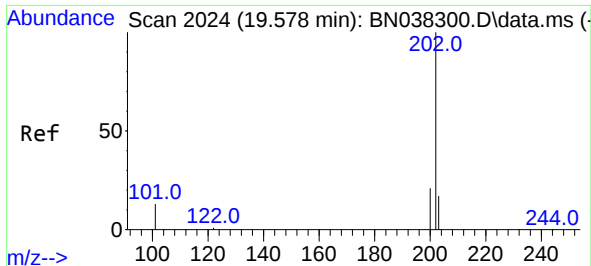
Tgt Ion:202 Resp: 1936
Ion Ratio Lower Upper
202 100
101 17.6 9.6 14.4#
203 17.1 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:240 Resp: 9842
Ion Ratio Lower Upper
240 100
120 18.6 15.4 23.2
236 29.9 23.9 35.9

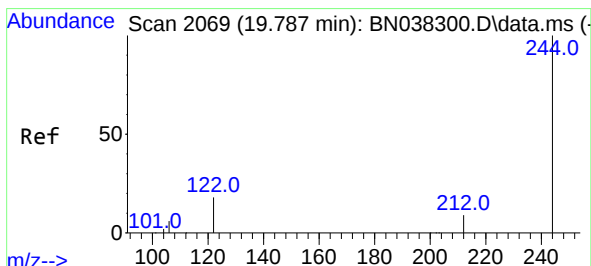
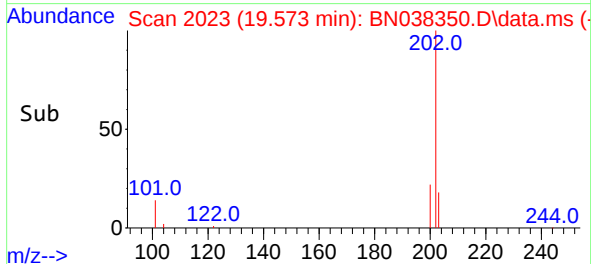
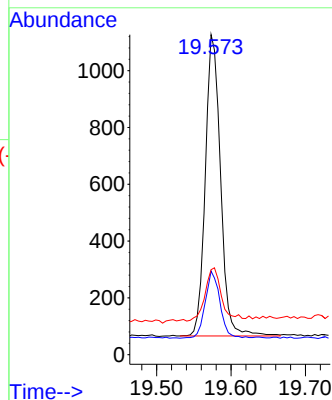
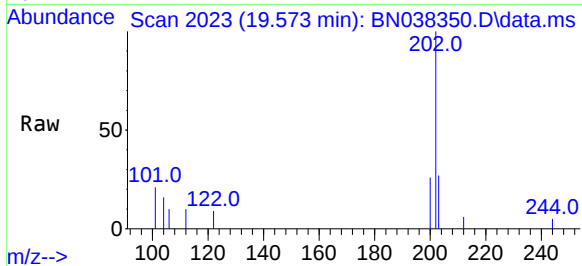




#30
 Pyrene
 Concen: 0.031 ng
 RT: 19.573 min Scan# 20
 Delta R.T. -0.009 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

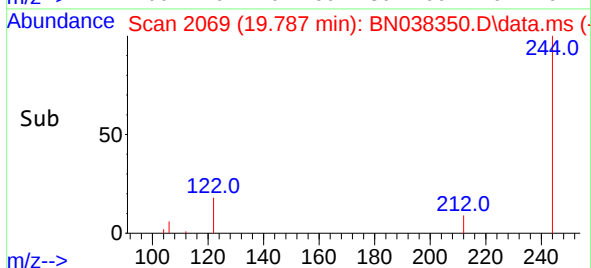
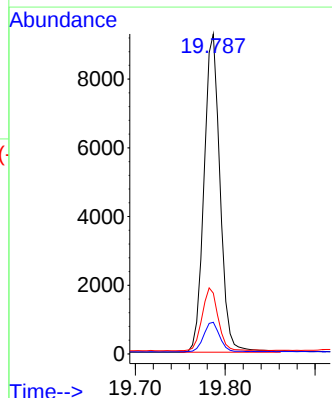
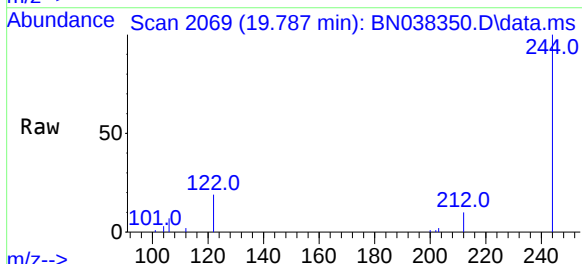
Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-120925

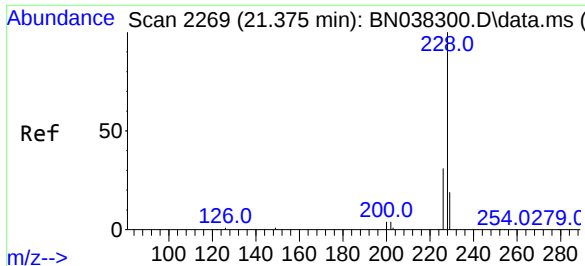
Tgt Ion:	202	Resp:	1505
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	19.5	14.2	21.2



#31
 Terphenyl-d14
 Concen: 0.523 ng
 RT: 19.787 min Scan# 2069
 Delta R.T. -0.005 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

Tgt Ion:	244	Resp:	11495
Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	19.0	15.0	22.6

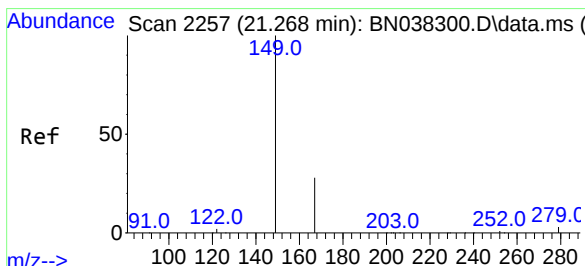
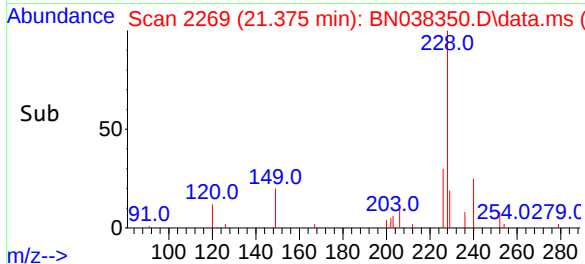
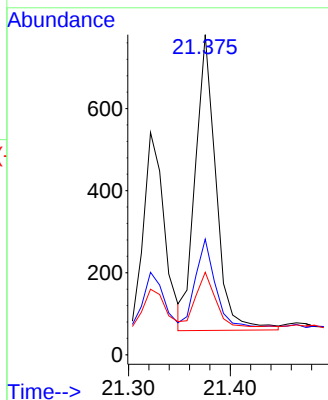
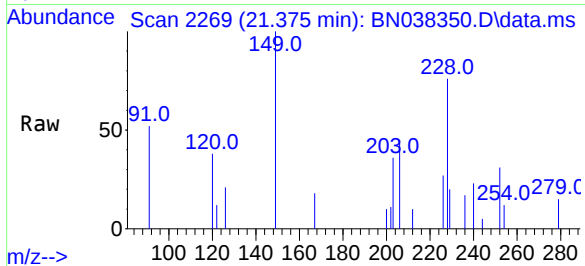




#33
Chrysene
Concen: 0.024 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

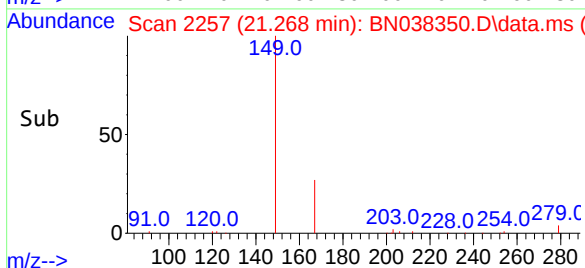
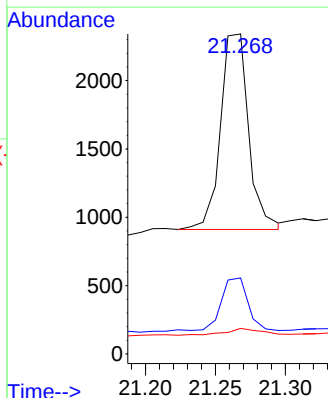
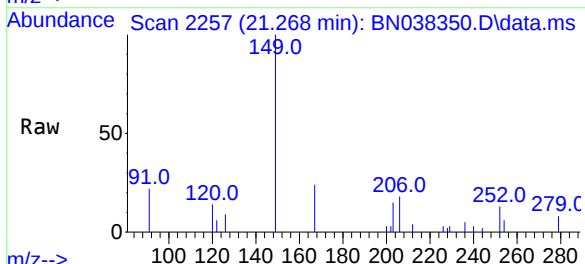
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-120925

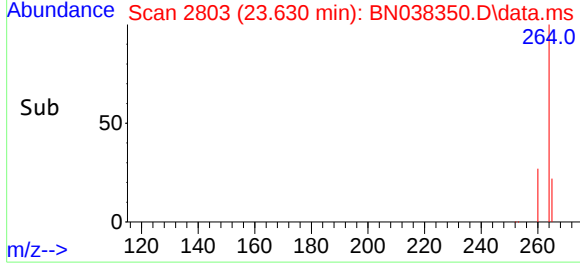
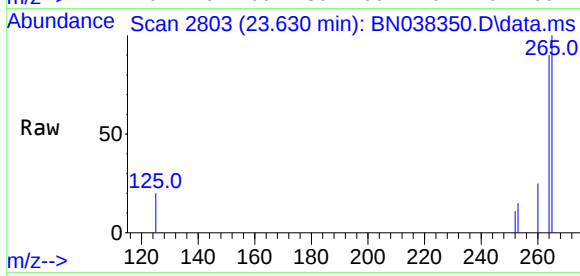
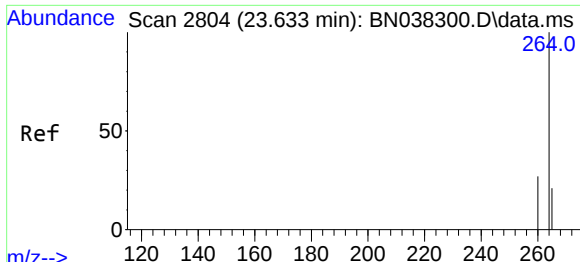
Tgt Ion:228 Resp: 1015
Ion Ratio Lower Upper
228 100
226 36.2 25.0 37.4
229 25.8 15.5 23.3#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.268 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BN038350.D
Acq: 12 Dec 2025 13:38

Tgt Ion:149 Resp: 2000
Ion Ratio Lower Upper
149 100
167 26.4 21.4 32.0
279 4.6 2.4 3.6#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.630 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BN038350.D
 Acq: 12 Dec 2025 13:38

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-120925

Tgt Ion:	264	Resp:	9541
Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	110.6	80.2	120.2

