

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081925\  
 Data File : BN037611.D  
 Acq On : 19 Aug 2025 17:18  
 Operator : RC/JU  
 Sample : Q2869-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

Quant Time: Aug 20 01:27:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration

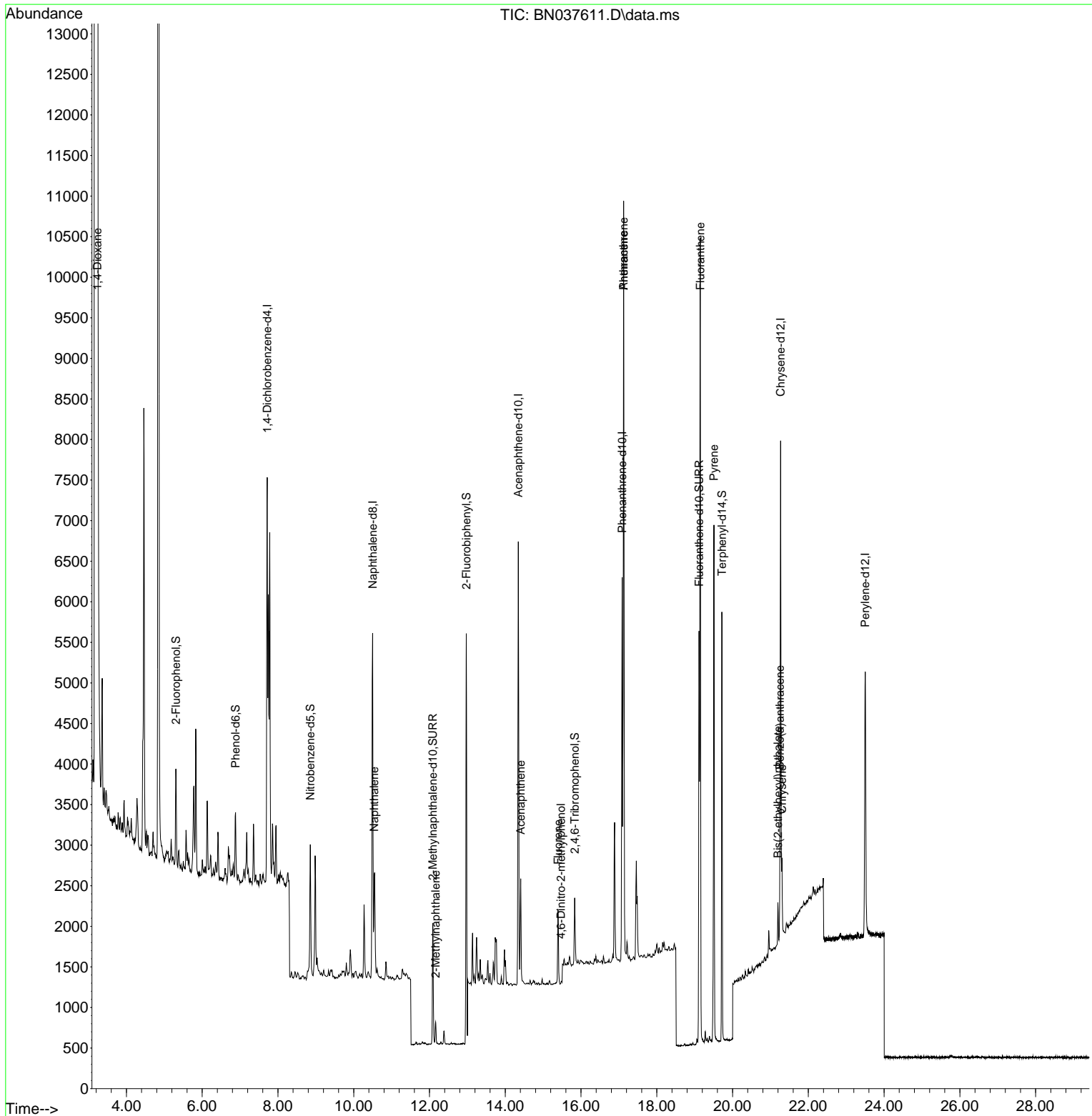
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2373	0.400 ng	0.00	
7) Naphthalene-d8	10.498	136	5766	0.400 ng	0.00	
13) Acenaphthene-d10	14.345	164	2949	0.400 ng	0.00	
19) Phenanthrene-d10	17.086	188	6117	0.400 ng	0.00	
29) Chrysene-d12	21.268	240	5268	0.400 ng	0.00	
35) Perylene-d12	23.502	264	4705	0.400 ng	0.00	
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	795	0.148 ng	0.00	
5) Phenol-d6	6.879	99	552	0.085 ng	0.00	
8) Nitrobenzene-d5	8.854	82	1252	0.308 ng	0.00	
11) 2-Methylnaphthalene-d10	12.085	152	2115	0.270 ng	0.00	
14) 2,4,6-Tribromophenol	15.833	330	474	0.367 ng	0.00	
15) 2-Fluorobiphenyl	12.973	172	6190	0.363 ng	0.00	
27) Fluoranthene-d10	19.118	212	5749	0.357 ng	0.00	
31) Terphenyl-d14	19.722	244	5180	0.478 ng	0.00	
Target Compounds						
2) 1,4-Dioxane	3.232	88	10850	4.779 ng	97	
9) Naphthalene	10.541	128	1441	0.094 ng	#	90
12) 2-Methylnaphthalene	12.161	142	213	0.022 ng	#	83
17) Acenaphthene	14.409	154	610	0.068 ng		98
18) Fluorene	15.392	166	600	0.051 ng		99
20) 4,6-Dinitro-2-methylph...	15.467	198	4	0.184 ng	#	1
25) Phenanthrene	17.124	178	9312	0.501 ng		99
26) Anthracene	17.124	178	9312	0.566 ng		99
28) Fluoranthene	19.146	202	8713	0.408 ng		100
30) Pyrene	19.508	202	5864	0.298 ng	#	94
32) Benzo(a)anthracene	21.250	228	641	0.036 ng	#	84
33) Chrysene	21.304	228	991	0.051 ng	#	88
34) Bis(2-ethylhexyl)phtha...	21.196	149	511	0.070 ng	#	94

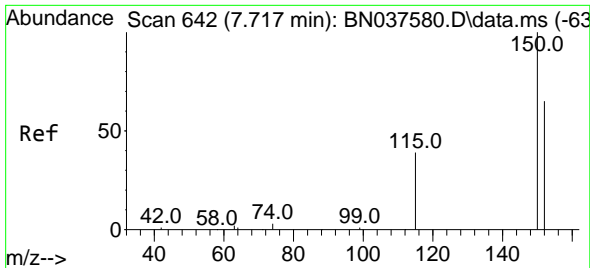
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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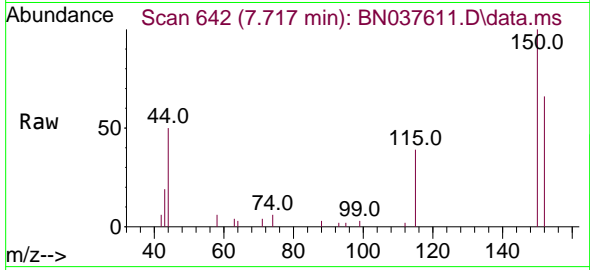
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 13 05:00:58 2025  
 Response via : Initial Calibration



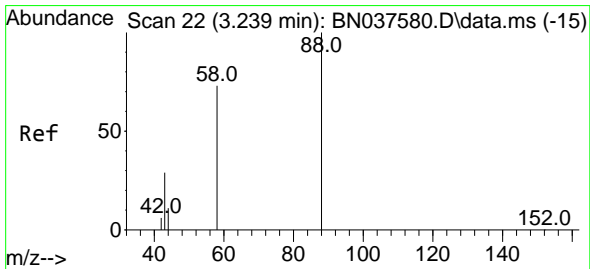
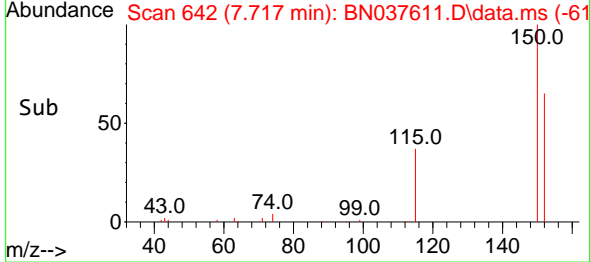
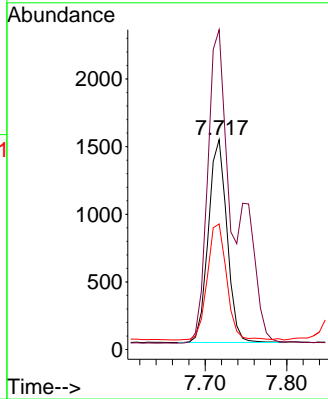


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.717 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

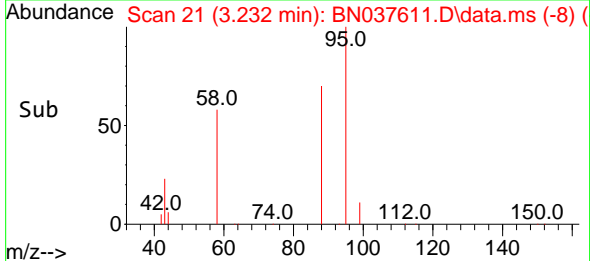
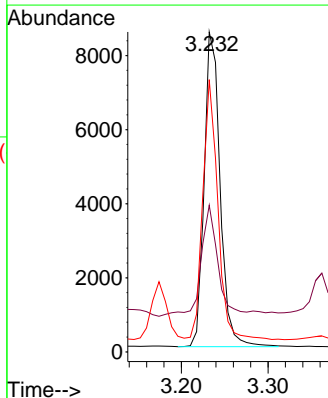
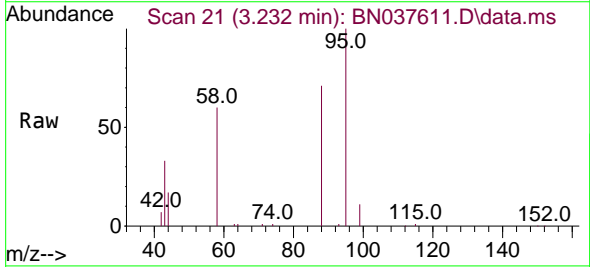


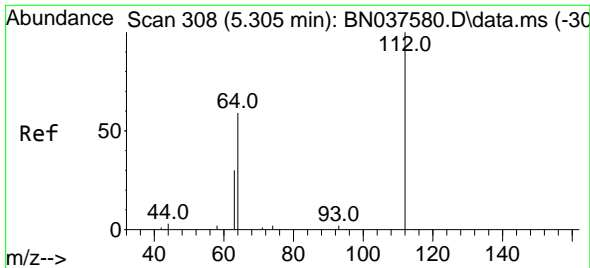
Tgt Ion:152 Resp: 2373  
 Ion Ratio Lower Upper  
 152 100  
 150 152.4 122.2 183.4  
 115 59.9 49.8 74.6



#2  
 1,4-Dioxane  
 Concen: 4.779 ng  
 RT: 3.232 min Scan# 21  
 Delta R.T. -0.007 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion: 88 Resp: 10850  
 Ion Ratio Lower Upper  
 88 100  
 43 37.3 25.8 38.6  
 58 77.1 61.2 91.8



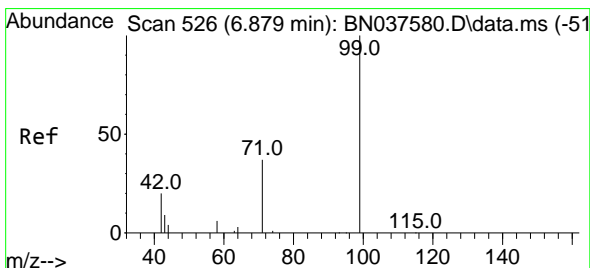
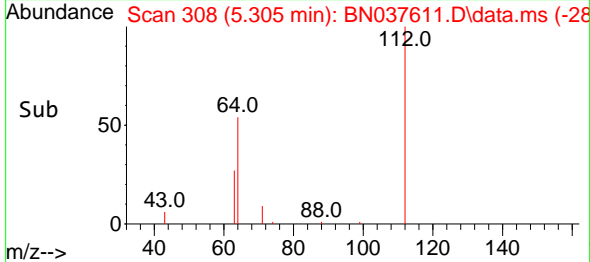
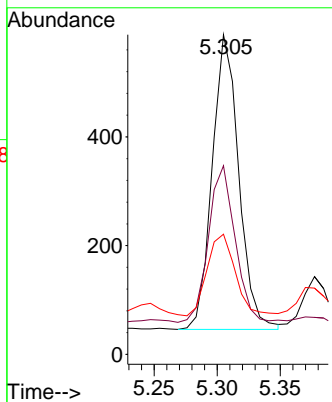
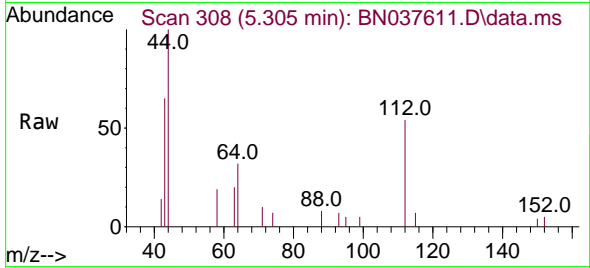


#4  
 2-Fluorophenol  
 Concen: 0.148 ng  
 RT: 5.305 min Scan# 308  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

Tgt Ion: 112 Resp: 795

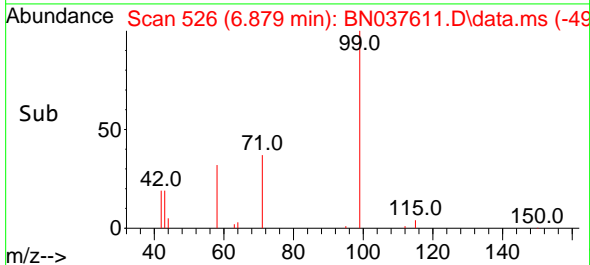
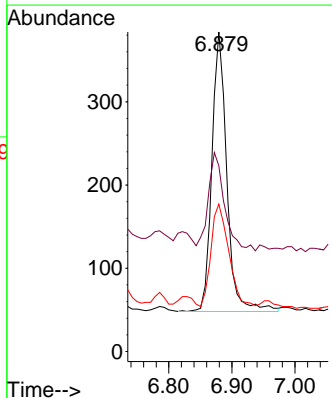
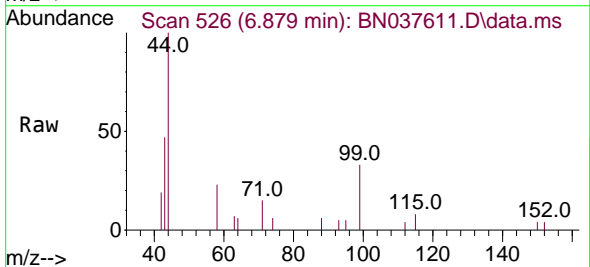
Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.9	67.3
63	29.8	23.4	35.2

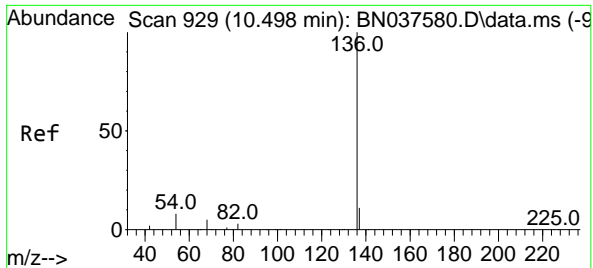


#5  
 Phenol-d6  
 Concen: 0.085 ng  
 RT: 6.879 min Scan# 526  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion: 99 Resp: 552

Ion	Ratio	Lower	Upper
99	100		
42	38.4	18.5	27.7#
71	43.7	28.6	42.8#

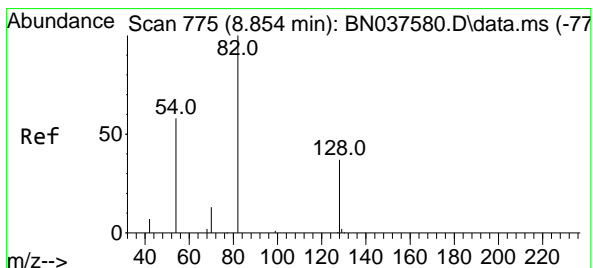
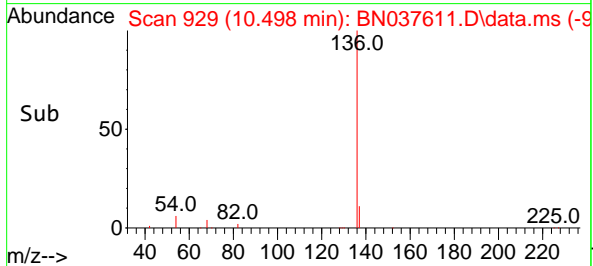
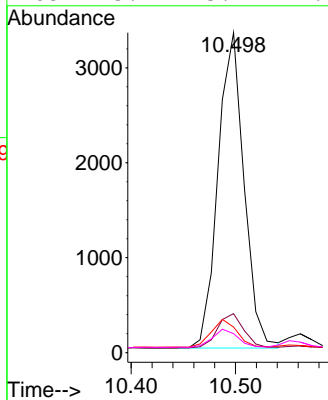
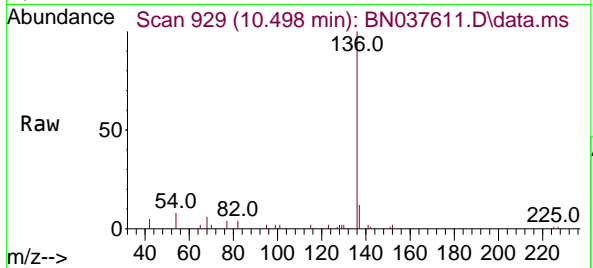




#7  
 Naphthalene-d8  
 Concen: 0.400 ng  
 RT: 10.498 min Scan# 911  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

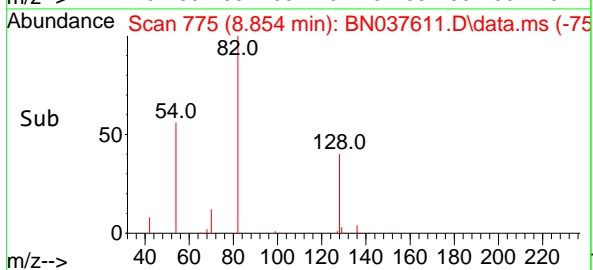
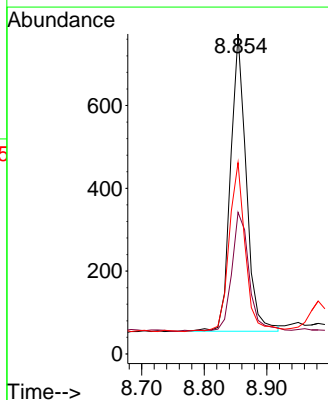
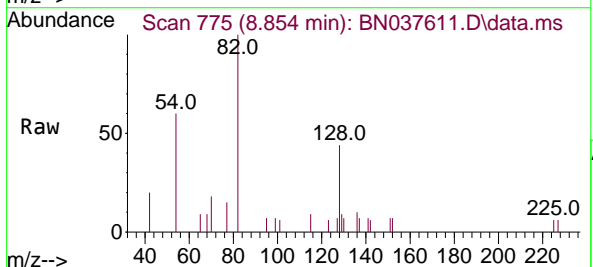
Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

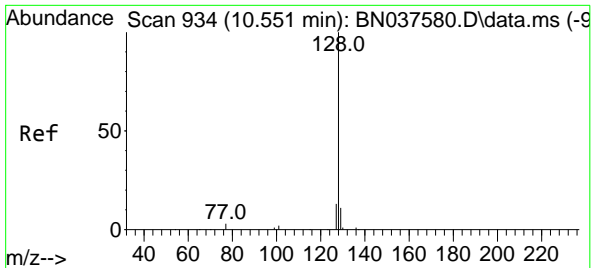
Tgt Ion	Resp	Lower	Upper
136	5766		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.9	5.1	7.7



#8  
 Nitrobenzene-d5  
 Concen: 0.308 ng  
 RT: 8.854 min Scan# 775  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion	Resp	Lower	Upper
82	1252		
128	44.2	32.6	48.8
54	59.8	48.9	73.3



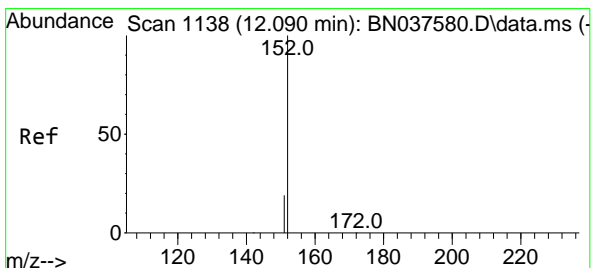
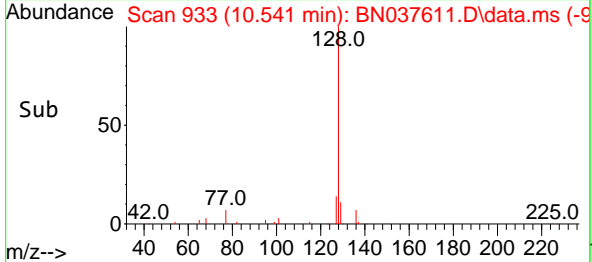
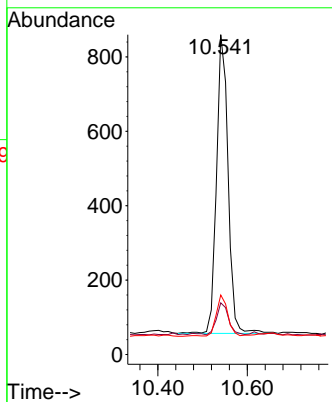
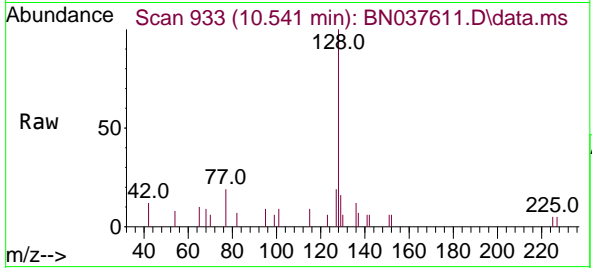


#9  
 Naphthalene  
 Concen: 0.094 ng  
 RT: 10.541 min Scan# 91  
 Delta R.T. -0.011 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

Tgt Ion:128 Resp: 1441

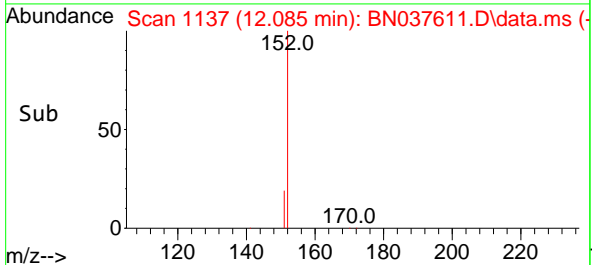
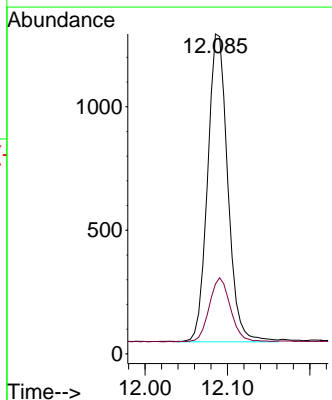
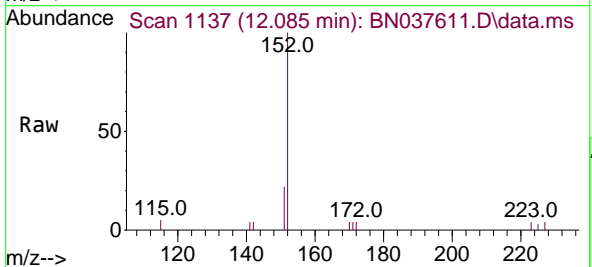
Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.6#
127	18.6	11.5	17.3#

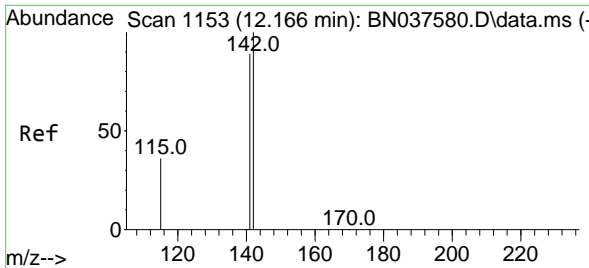


#11  
 2-Methylnaphthalene-d10  
 Concen: 0.270 ng  
 RT: 12.085 min Scan# 1137  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion:152 Resp: 2115

Ion	Ratio	Lower	Upper
152	100		
151	21.9	17.3	25.9

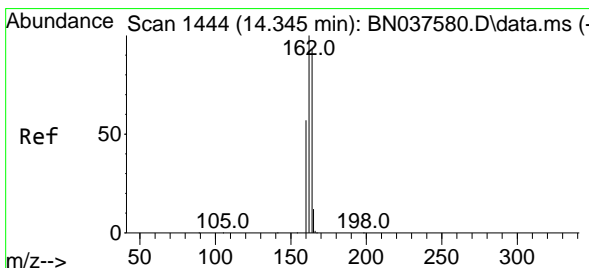
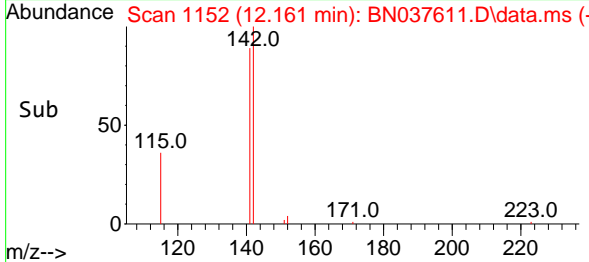
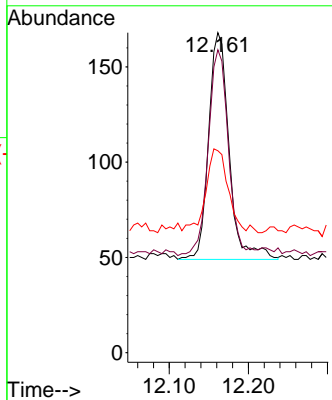
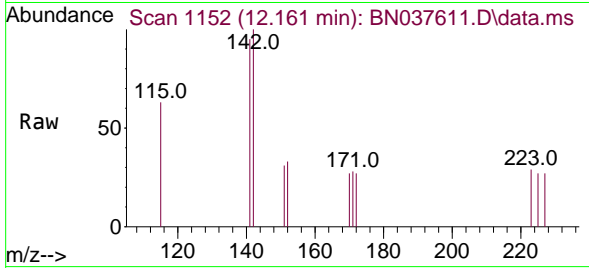




#12  
 2-Methylnaphthalene  
 Concen: 0.022 ng  
 RT: 12.161 min Scan# 1152  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

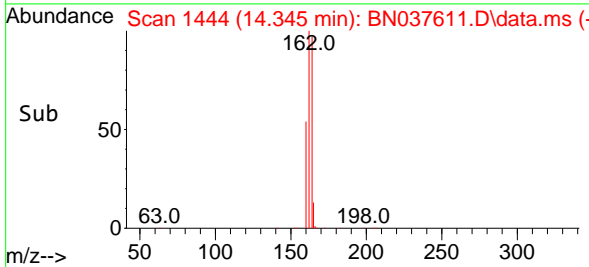
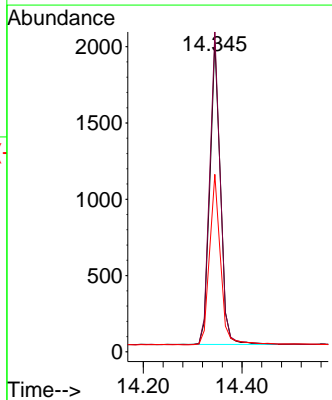
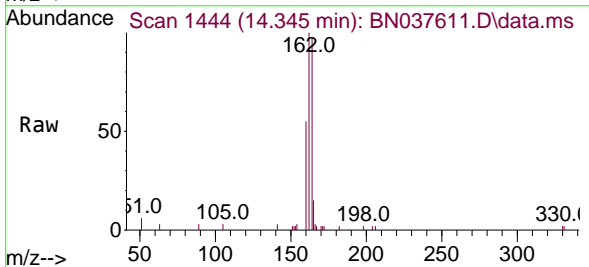
Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

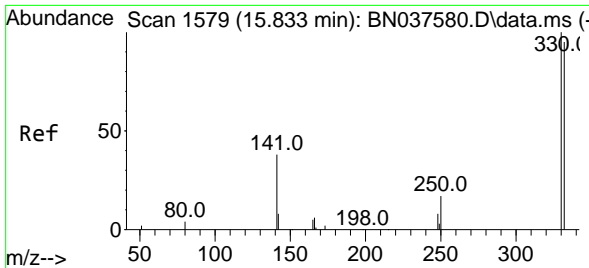
Tgt Ion	Resp	Lower	Upper
142	100		
141	94.6	71.4	107.0
115	63.1	30.2	45.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.345 min Scan# 1444  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

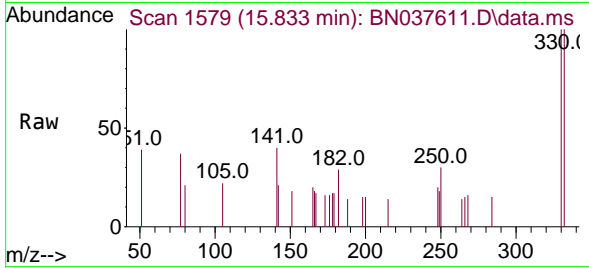
Tgt Ion	Resp	Lower	Upper
164	100		
162	103.1	85.5	128.3
160	57.2	49.5	74.3



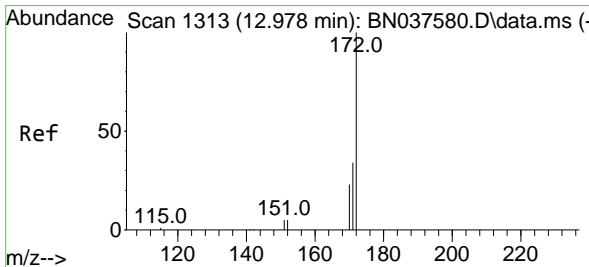
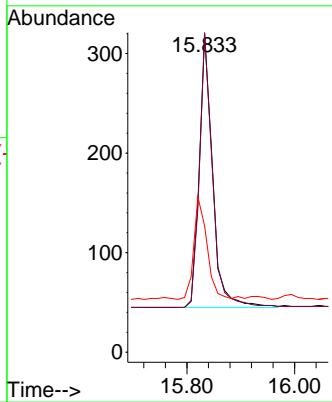
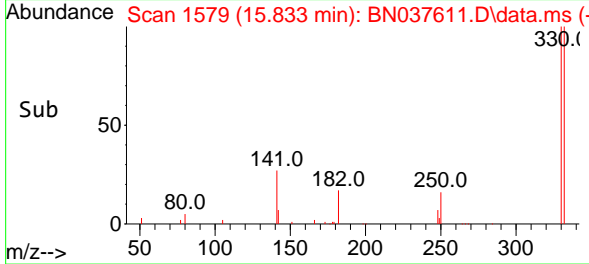


#14  
 2,4,6-Tribromophenol  
 Concen: 0.367 ng  
 RT: 15.833 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

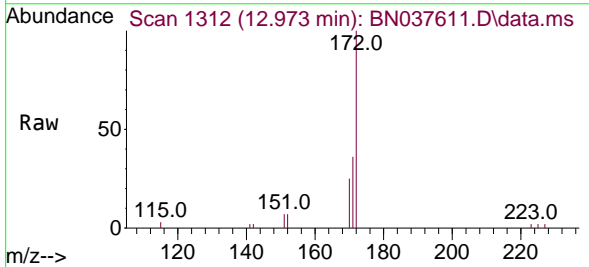
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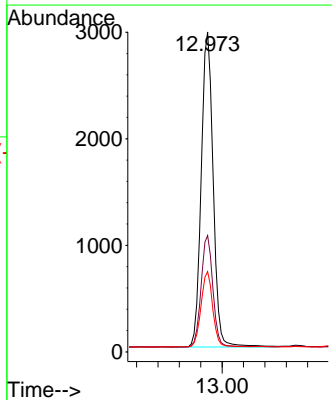
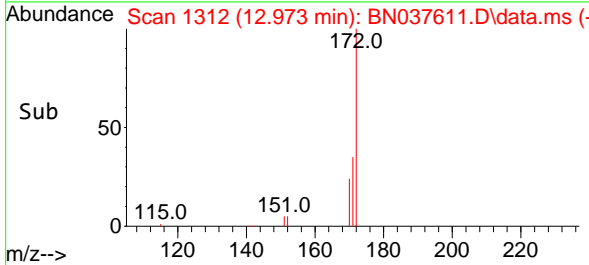
Tgt Ion:330 Resp: 474  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.4 116.0  
 141 36.9 30.9 46.3



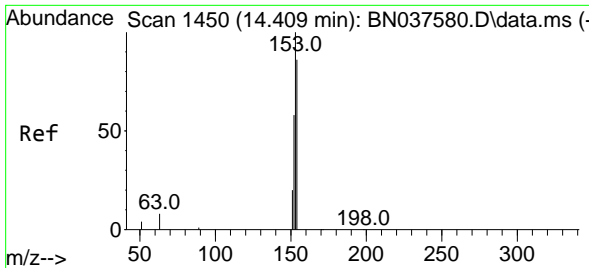
#15  
 2-Fluorobiphenyl  
 Concen: 0.363 ng  
 RT: 12.973 min Scan# 1312  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18



Tgt Ion:172 Resp: 6190  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.2 42.4  
 170 25.1 19.2 28.8

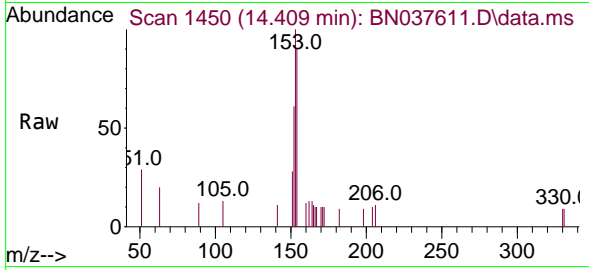






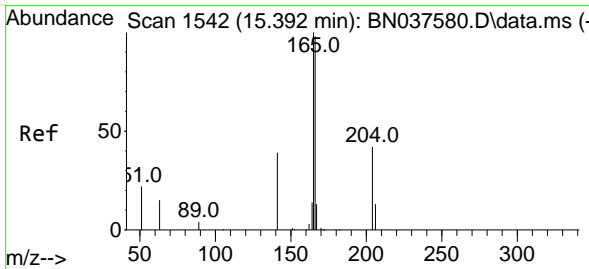
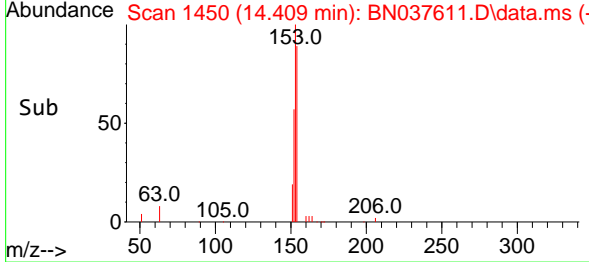
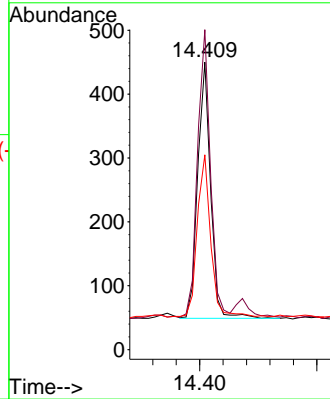
#17  
 Acenaphthene  
 Concen: 0.068 ng  
 RT: 14.409 min Scan# 14  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument :  
 BNA\_N  
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 MW-19B-71.5-081325-FD

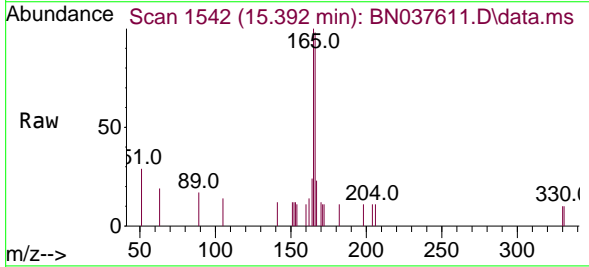


Tgt Ion:154 Resp: 610

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.6	135.8
152	65.4	54.9	82.3

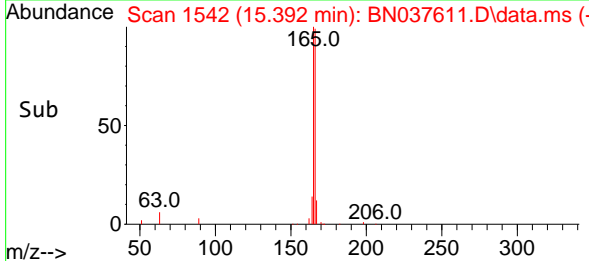
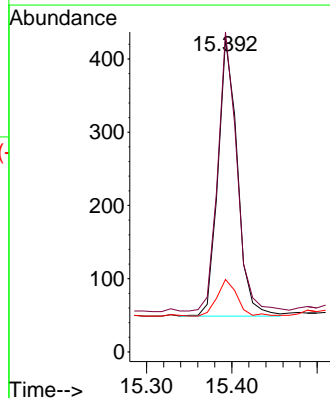


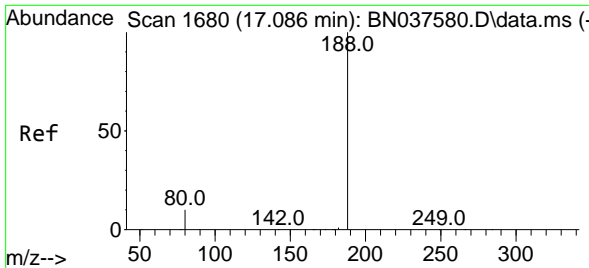
#18  
 Fluorene  
 Concen: 0.051 ng  
 RT: 15.392 min Scan# 1542  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18



Tgt Ion:166 Resp: 600

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.9	118.3
167	13.8	10.7	16.1

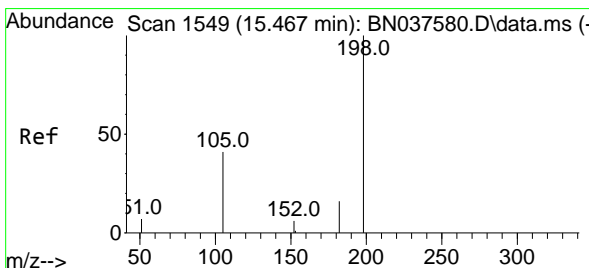
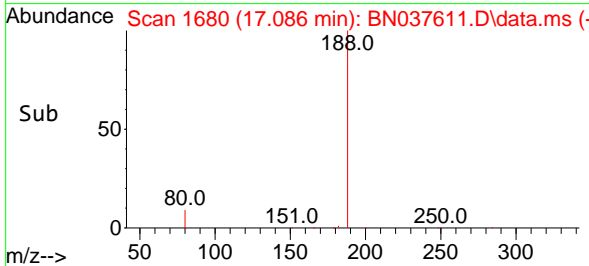
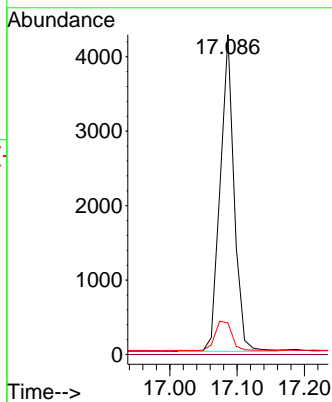
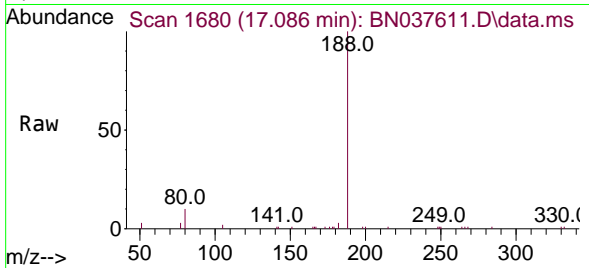




#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.086 min Scan# 1680  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

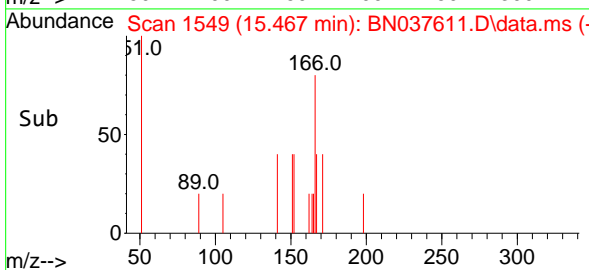
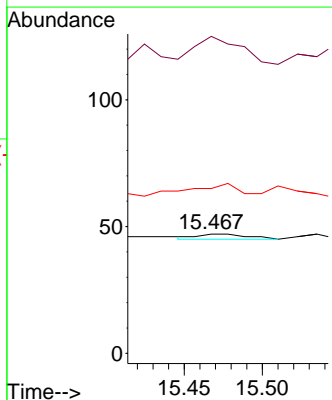
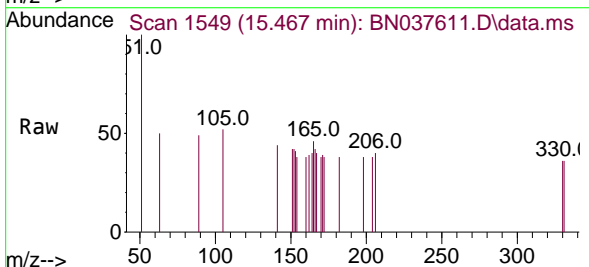
Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

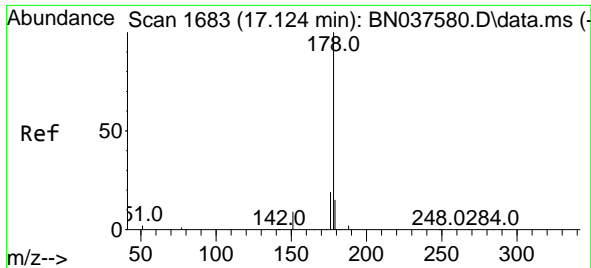
Tgt Ion	Resp	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	9.1	13.7



#20  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.184 ng  
 RT: 15.467 min Scan# 1549  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion	Resp	Lower	Upper
198	100		
51	266.0	81.0	121.6#
105	138.3	52.5	78.7#

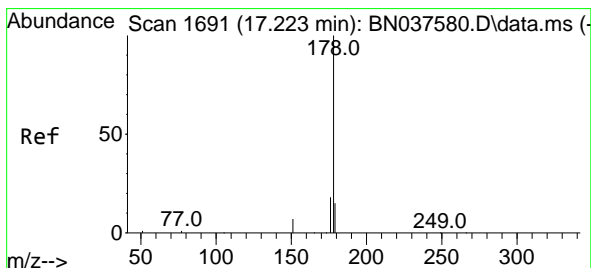
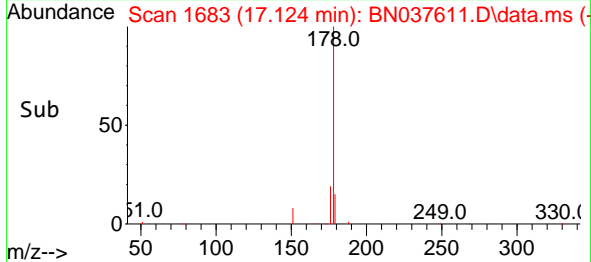
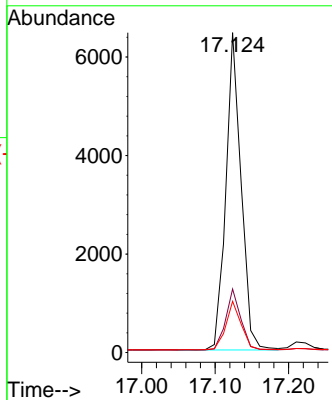
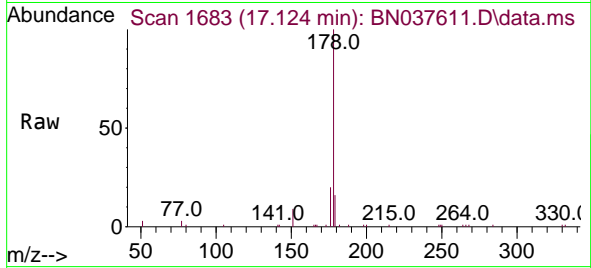




#25  
 Phenanthrene  
 Concen: 0.501 ng  
 RT: 17.124 min Scan# 1683  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

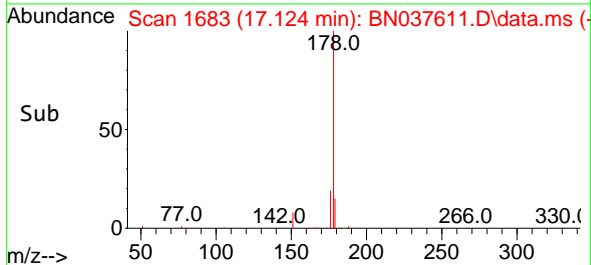
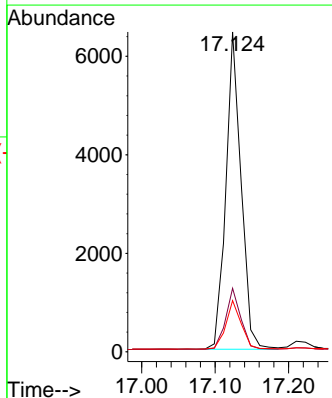
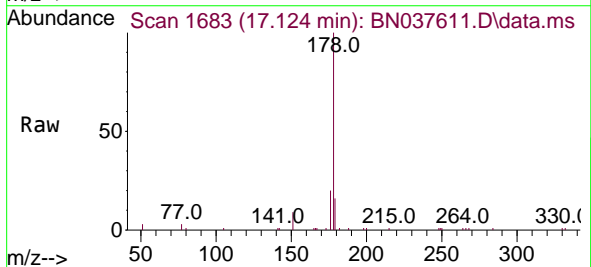
Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

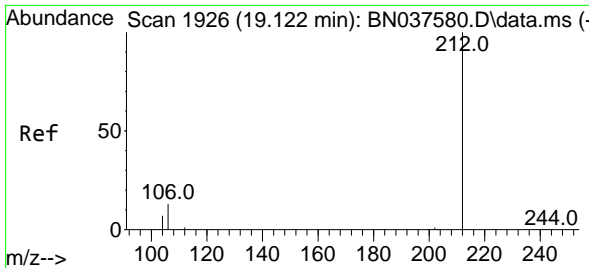
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.5	12.3	18.5



#26  
 Anthracene  
 Concen: 0.566 ng  
 RT: 17.124 min Scan# 1683  
 Delta R.T. -0.099 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion	Resp	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.4	12.3	18.5



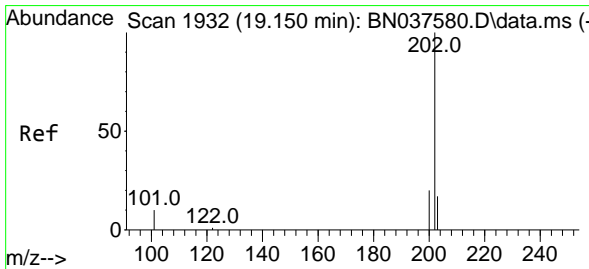
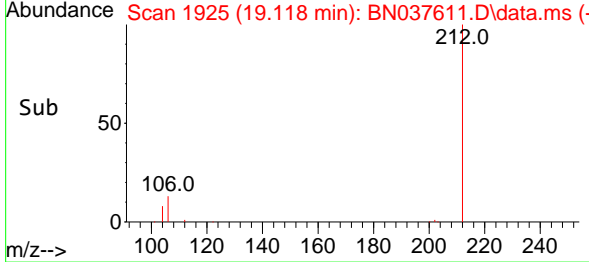
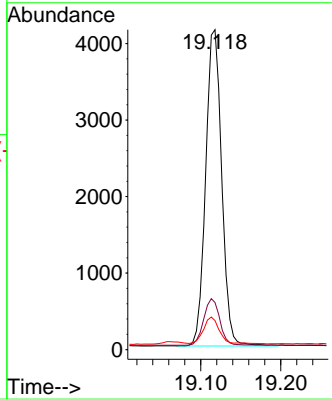
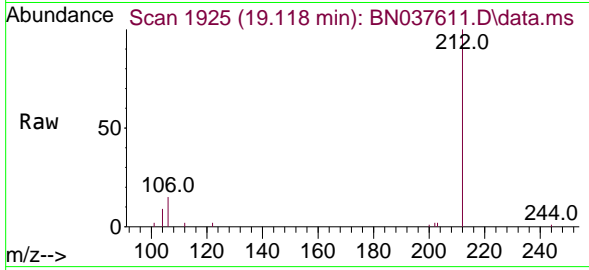


#27  
 Fluoranthene-d10  
 Concen: 0.357 ng  
 RT: 19.118 min Scan# 1925  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

Tgt Ion:212 Resp: 5749

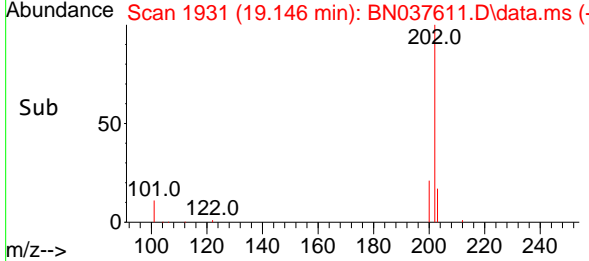
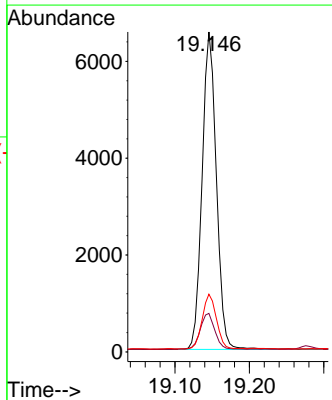
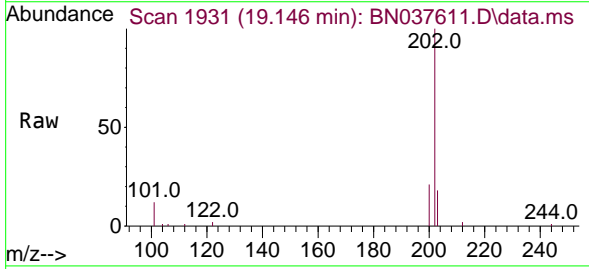
Ion	Ratio	Lower	Upper
212	100		
106	14.8	11.5	17.3
104	8.6	6.6	9.8

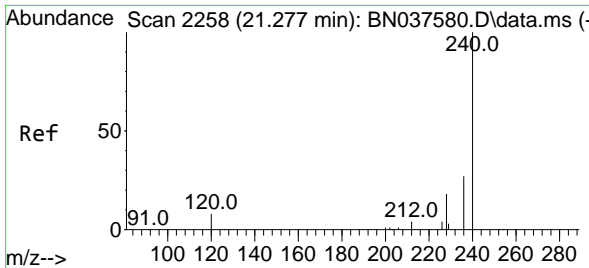


#28  
 Fluoranthene  
 Concen: 0.408 ng  
 RT: 19.146 min Scan# 1931  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 8713

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.0	13.6
203	17.1	13.8	20.8



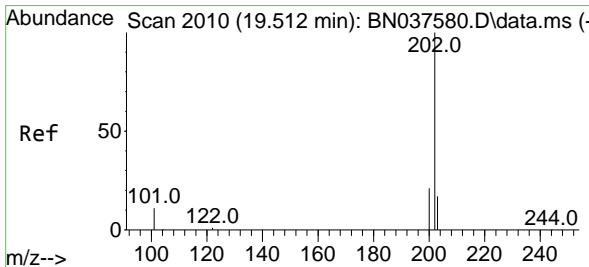
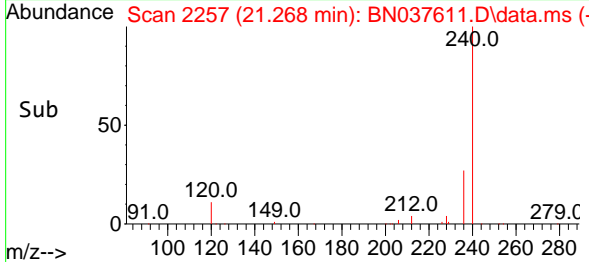
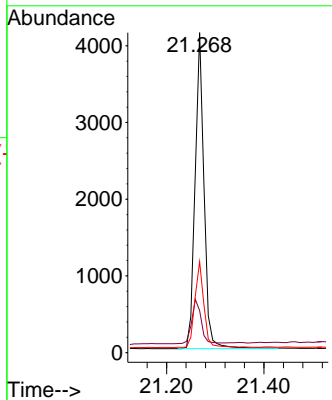
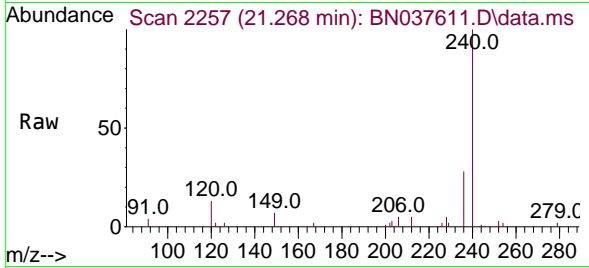


#29  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.268 min Scan# 21  
 Delta R.T. -0.009 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

Tgt Ion:240 Resp: 5268

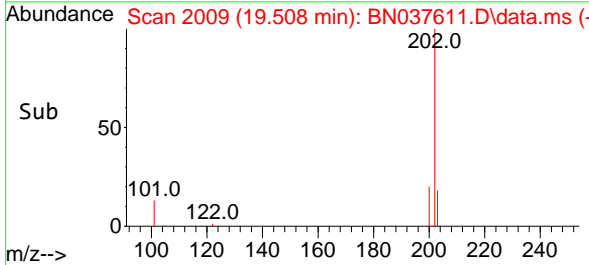
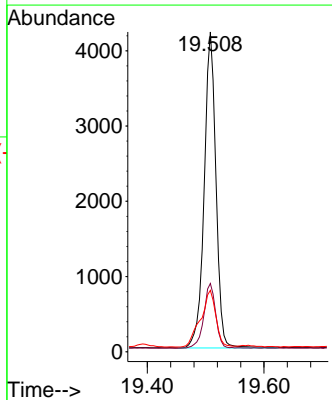
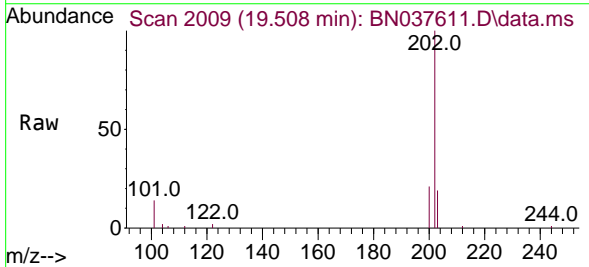
Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.9	13.3
236	28.5	22.6	33.8

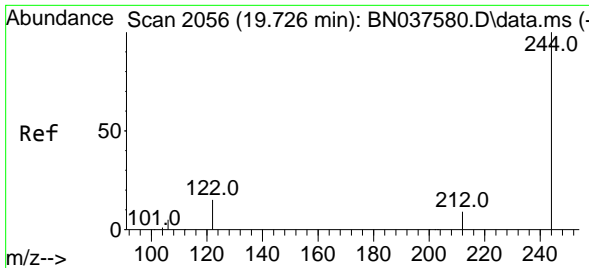


#30  
 Pyrene  
 Concen: 0.298 ng  
 RT: 19.508 min Scan# 2009  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 5864

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	23.2	14.3	21.5



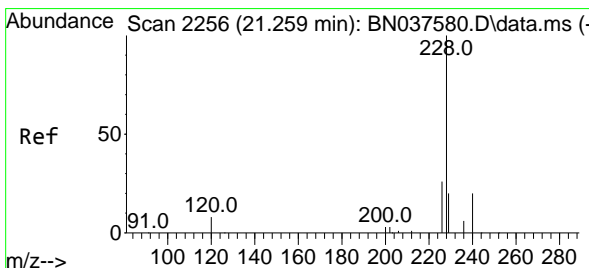
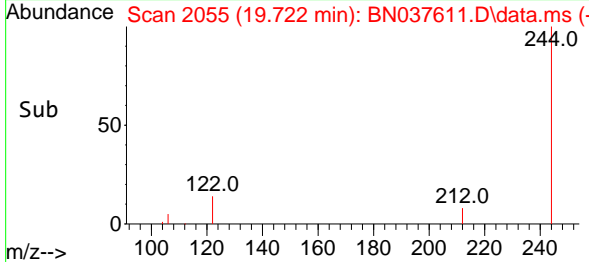
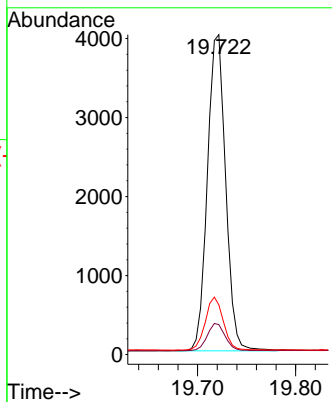
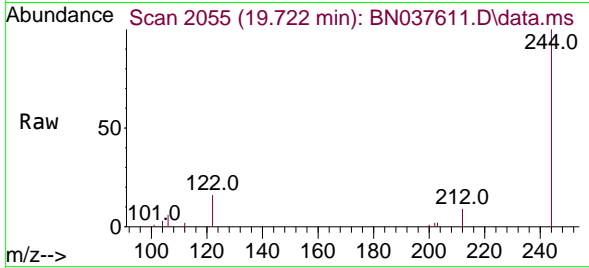


#31  
 Terphenyl-d14  
 Concen: 0.478 ng  
 RT: 19.722 min Scan# 2055  
 Delta R.T. -0.005 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

Tgt Ion:244 Resp: 5180

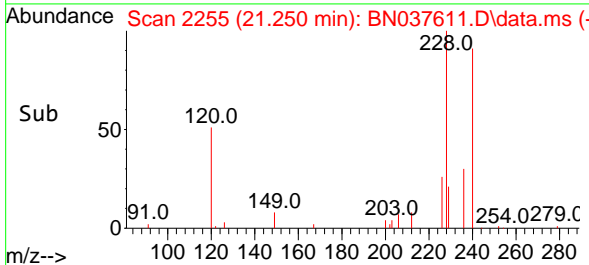
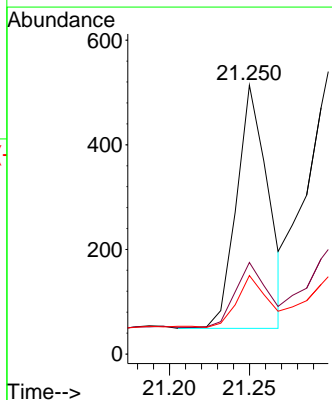
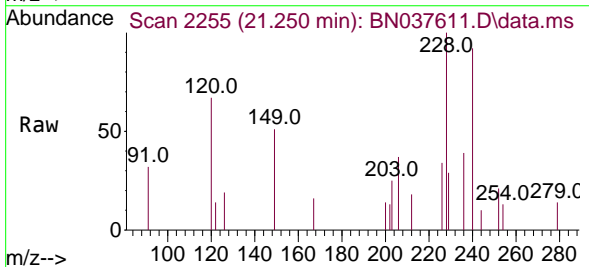
Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.2	12.2
122	15.5	13.2	19.8

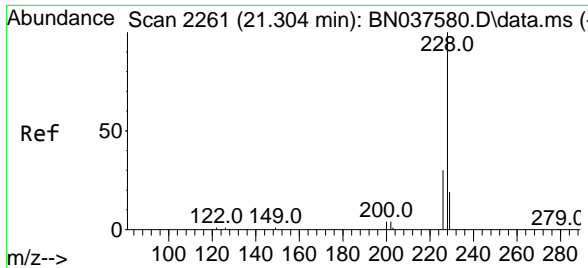


#32  
 Benzo(a)anthracene  
 Concen: 0.036 ng  
 RT: 21.250 min Scan# 2255  
 Delta R.T. -0.009 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion:228 Resp: 641

Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.5	32.3#
229	29.2	16.5	24.7#

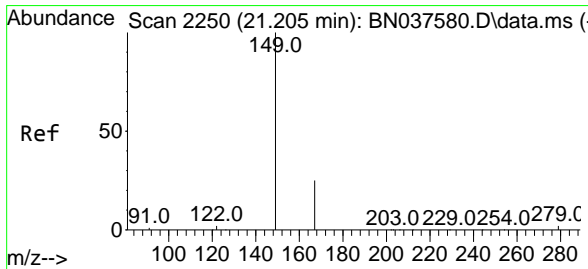
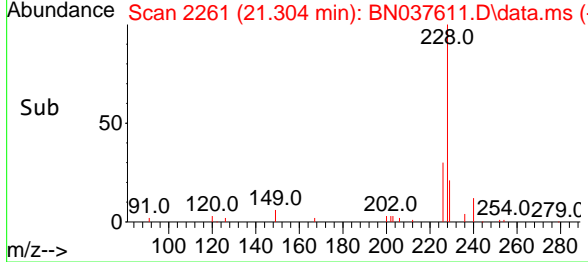
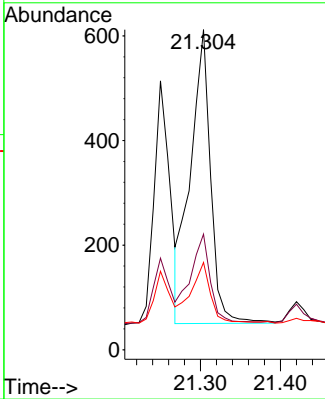
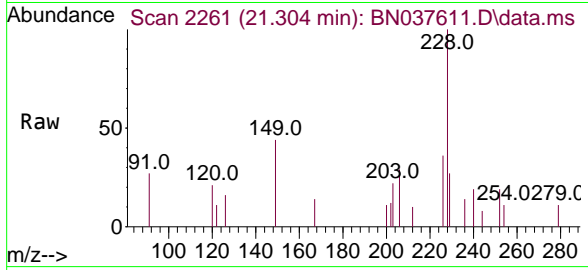




#33  
 Chrysene  
 Concen: 0.051 ng  
 RT: 21.304 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

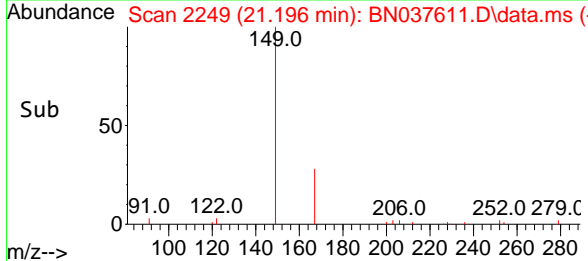
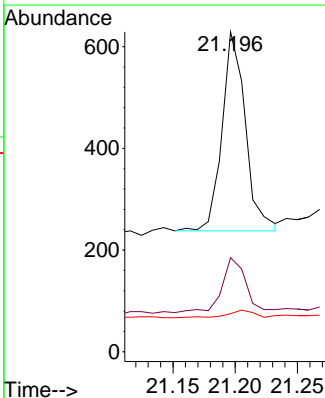
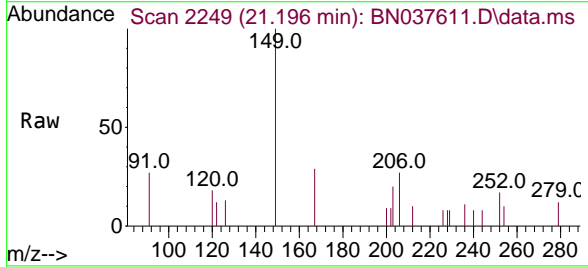
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-19B-71.5-081325-FD

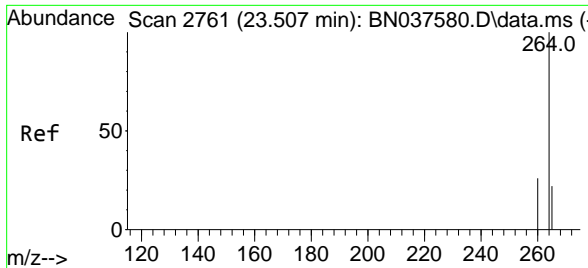
Tgt Ion	Resp	Lower	Upper
228	100		
226	36.1	24.9	37.3
229	27.3	15.8	23.8



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.070 ng  
 RT: 21.196 min Scan# 2249  
 Delta R.T. -0.009 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion	Resp	Lower	Upper
149	100		
167	28.6	20.5	30.7
279	4.7	2.6	4.0





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.502 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BN037611.D  
 Acq: 19 Aug 2025 17:18

Instrument : BNA\_N  
 ClientSampleId : MW-19B-71.5-081325-FD

Tgt Ion:264 Resp: 4705

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.6	32.4
265	70.7	48.2	72.4

