

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092325\
 Data File : BN037861.D
 Acq On : 23 Sep 2025 12:13
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Sep 23 16:21:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 23 16:17:53 2025
 Response via : Initial Calibration

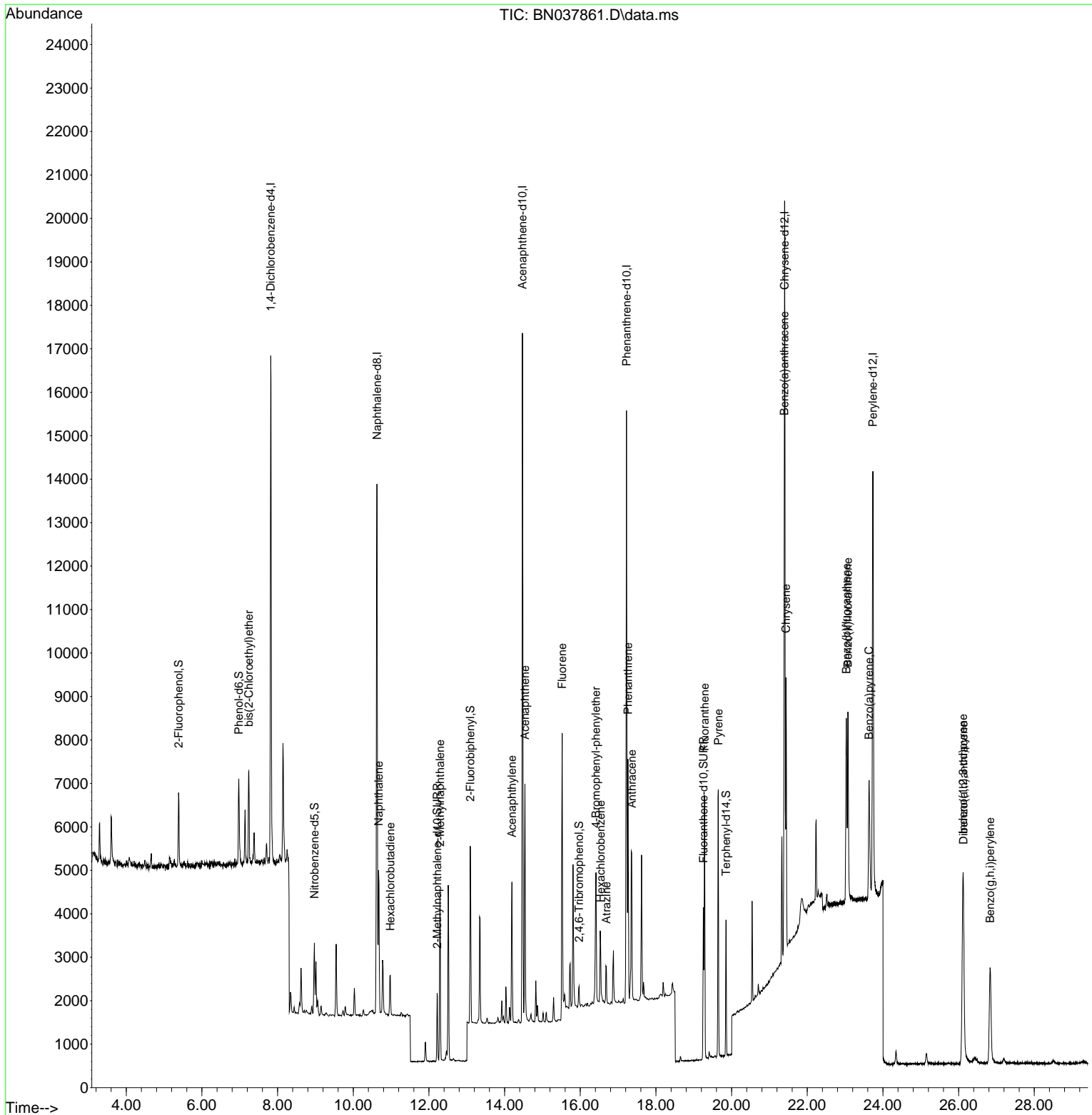
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	5856	0.400 ng	0.00	
7) Naphthalene-d8	10.626	136	16223	0.400 ng	0.00	
13) Acenaphthene-d10	14.473	164	8379	0.400 ng	0.00	
19) Phenanthrene-d10	17.223	188	17197	0.400 ng	0.00	
29) Chrysene-d12	21.402	240	13854	0.400 ng	0.00	
35) Perylene-d12	23.736	264	13928	0.400 ng	0.00	
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	1382	0.103 ng	0.00	
5) Phenol-d6	6.973	99	1742	0.099 ng	0.00	
8) Nitrobenzene-d5	8.971	82	1212	0.098 ng	0.00	
11) 2-Methylnaphthalene-d10	12.217	152	2089	0.093 ng	0.00	
14) 2,4,6-Tribromophenol	15.969	330	309	0.091 ng	0.00	
15) 2-Fluorobiphenyl	13.094	172	3478	0.101 ng	0.00	
27) Fluoranthene-d10	19.253	212	3783	0.087 ng	0.00	
31) Terphenyl-d14	19.852	244	2766	0.100 ng	0.00	
Target Compounds						
6) bis(2-Chloroethyl)ether	7.240	93	1658	0.102 ng		99
9) Naphthalene	10.669	128	4483	0.100 ng		96
10) Hexachlorobutadiene	10.979	225	802	0.105 ng	#	96
12) 2-Methylnaphthalene	12.293	142	2749	0.094 ng		98
16) Acenaphthylene	14.195	152	3557	0.093 ng		98
17) Acenaphthene	14.537	154	2644	0.098 ng		99
18) Fluorene	15.523	166	3048	0.093 ng		99
21) 4-Bromophenyl-phenylether	16.416	248	1084	0.097 ng		96
22) Hexachlorobenzene	16.540	284	1361	0.100 ng		99
23) Atrazine	16.689	200	772	0.090 ng	#	95
25) Phenanthrene	17.260	178	5595	0.099 ng		99
26) Anthracene	17.360	178	4446	0.091 ng		99
28) Fluoranthene	19.285	202	5493	0.088 ng		99
30) Pyrene	19.647	202	5458	0.100 ng		99
32) Benzo(a)anthracene	21.393	228	4766	0.098 ng		99
33) Chrysene	21.438	228	5223	0.100 ng		99
36) Indeno(1,2,3-cd)pyrene	26.113	276	5972	0.094 ng		98
37) Benzo(b)fluoranthene	23.031	252	5567	0.093 ng	#	78
38) Benzo(k)fluoranthene	23.075	252	5642	0.093 ng	#	80
39) Benzo(a)pyrene	23.630	252	4368	0.092 ng	#	71
40) Dibenzo(a,h)anthracene	26.127	278	4476	0.090 ng	#	85
41) Benzo(g,h,i)perylene	26.832	276	4900	0.094 ng		93

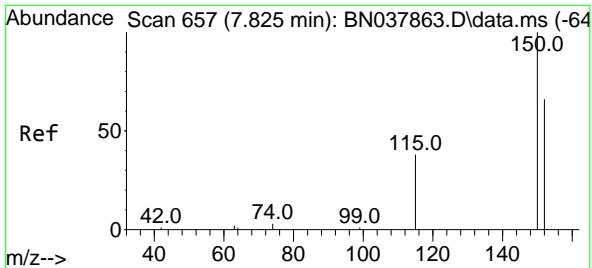
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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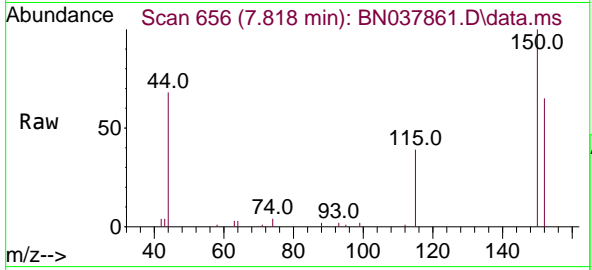
Quant Time: Sep 23 16:21:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
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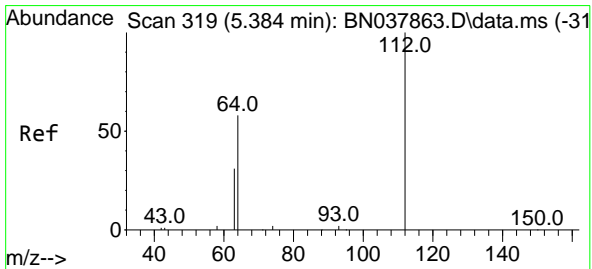
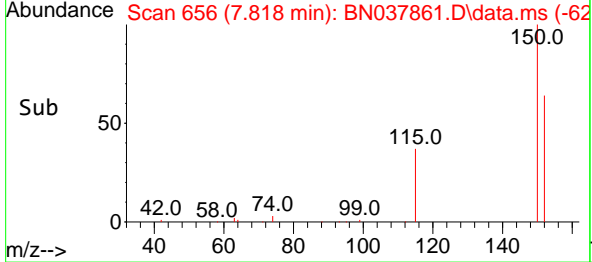
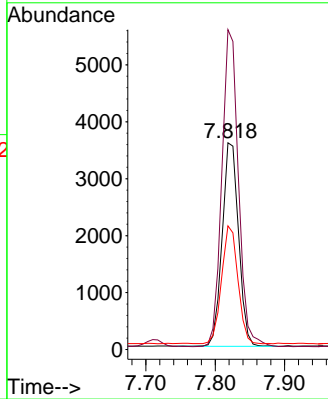


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.818 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

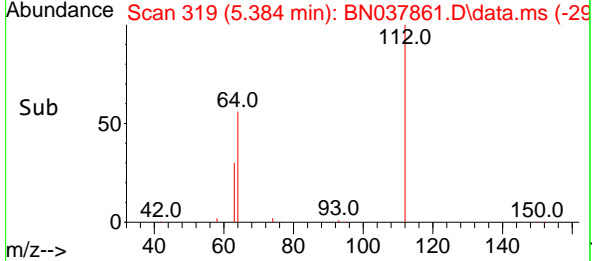
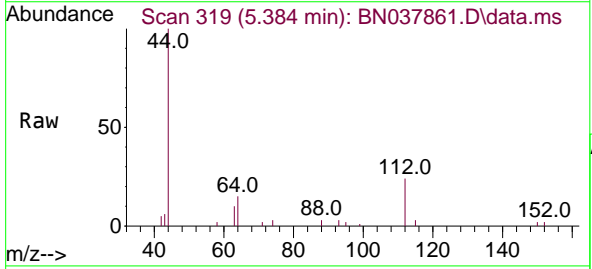
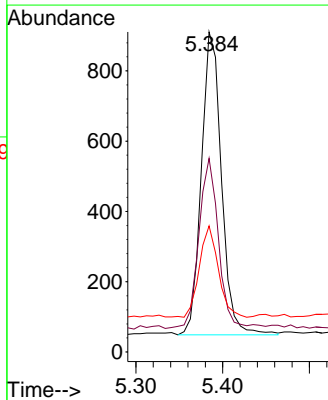


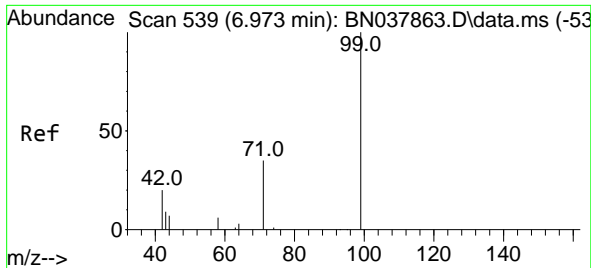
Tgt Ion:152 Resp: 5856
 Ion Ratio Lower Upper
 152 100
 150 154.8 121.0 181.4
 115 59.9 47.4 71.0



#4
 2-Fluorophenol
 Concen: 0.103 ng
 RT: 5.384 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

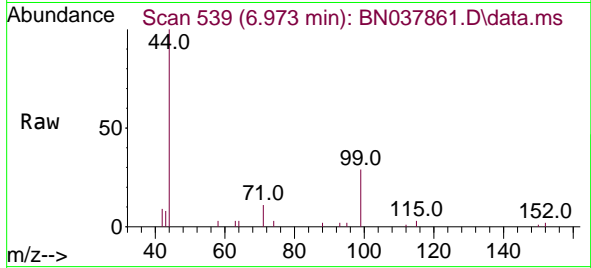
Tgt Ion:112 Resp: 1382
 Ion Ratio Lower Upper
 112 100
 64 55.3 44.6 66.8
 63 28.7 24.9 37.3



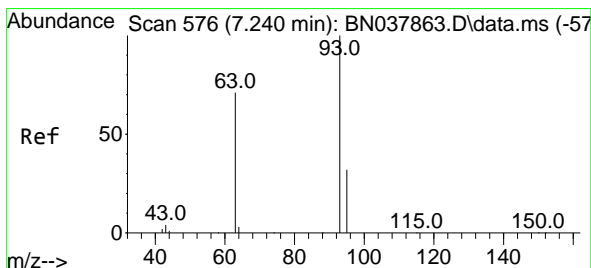
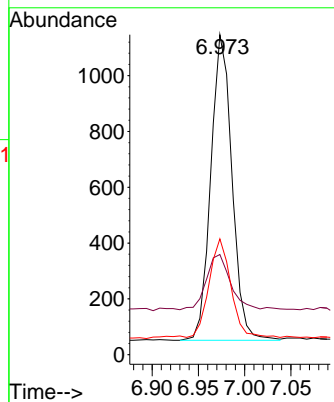
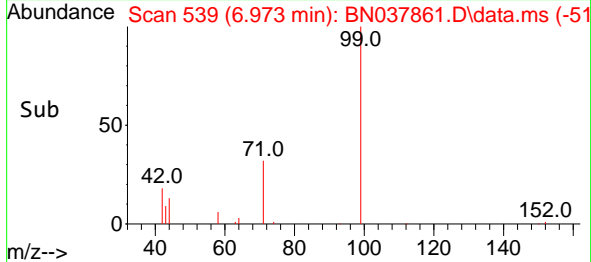


#5
 Phenol-d6
 Concen: 0.099 ng
 RT: 6.973 min Scan# 539
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

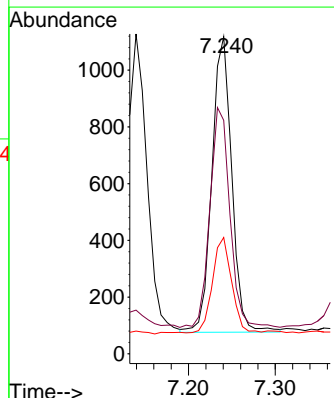
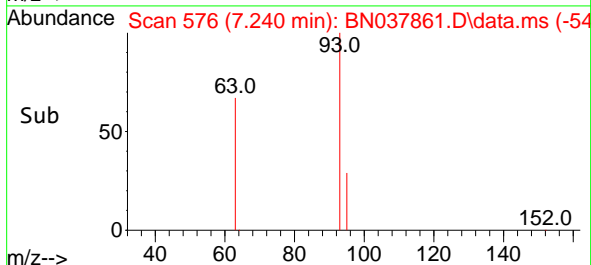
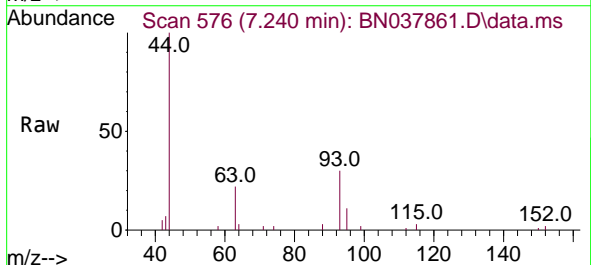


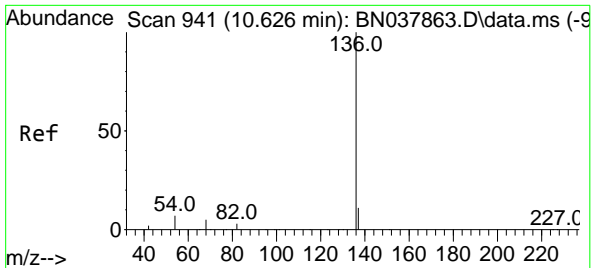
Tgt Ion	Resp	Lower	Upper
99	1742		
99	100		
42	21.0	17.2	25.8
71	33.5	27.3	40.9



#6
 bis(2-Chloroethyl)ether
 Concen: 0.102 ng
 RT: 7.240 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion	Resp	Lower	Upper
93	1658		
93	100		
63	75.2	60.1	90.1
95	31.0	25.4	38.2



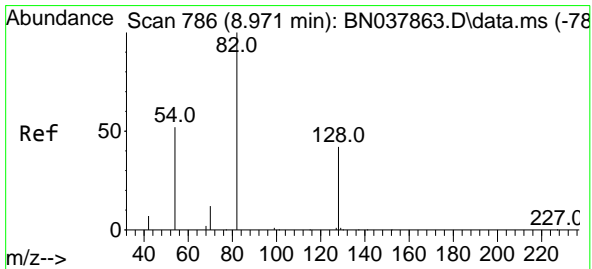
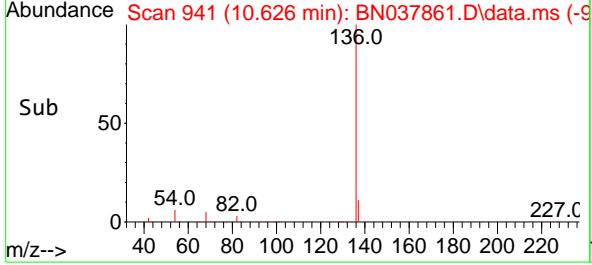
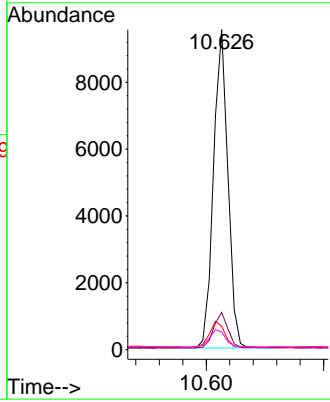
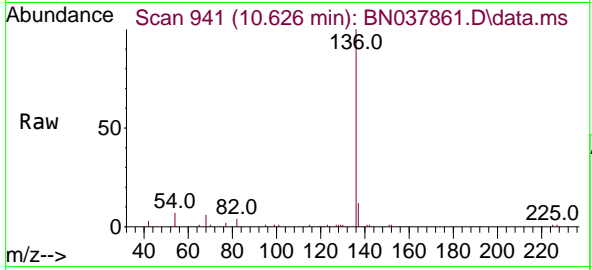


#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.626 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

Tgt Ion:136 Resp: 16223

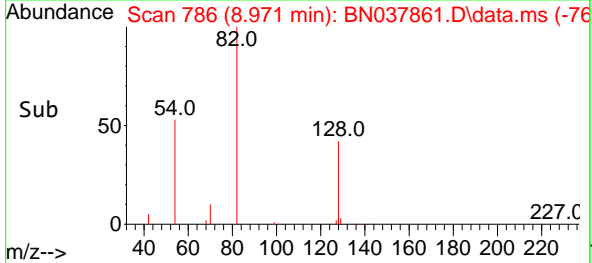
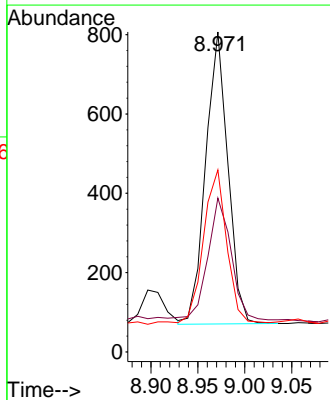
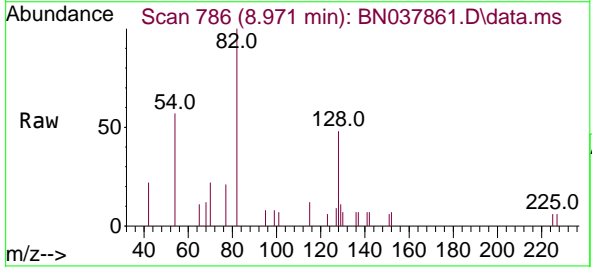
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	7.3	5.8	8.8
68	5.5	4.3	6.5

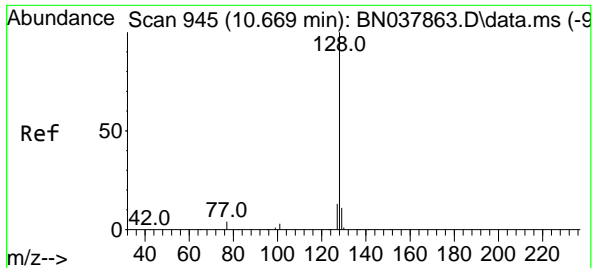


#8
 Nitrobenzene-d5
 Concen: 0.098 ng
 RT: 8.971 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion: 82 Resp: 1212

Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.8	52.2
54	56.9	42.2	63.2



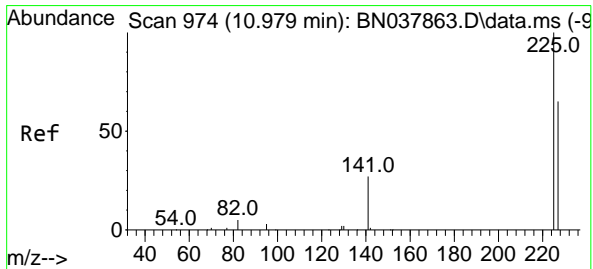
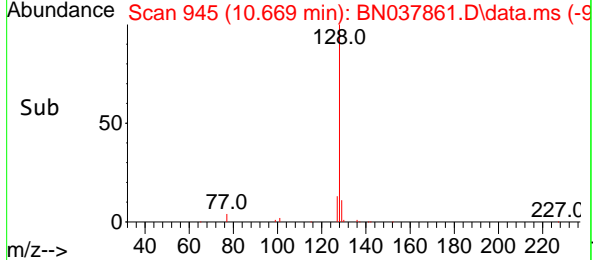
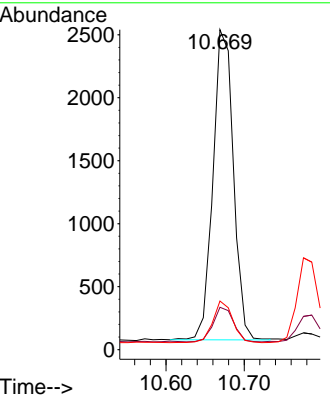
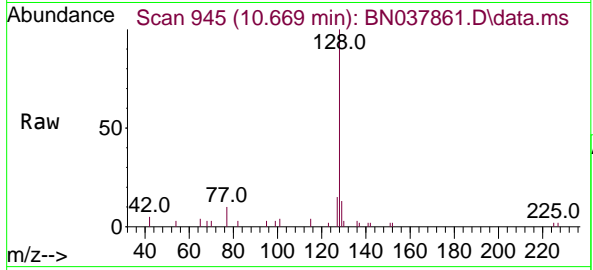


#9
 Naphthalene
 Concen: 0.100 ng
 RT: 10.669 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

Tgt Ion:128 Resp: 4483

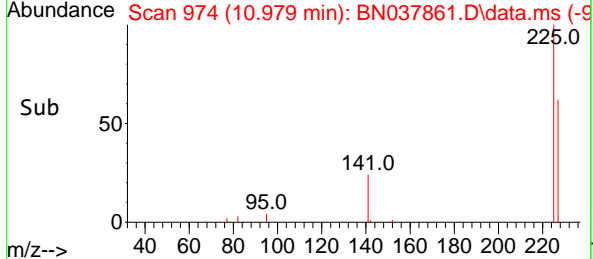
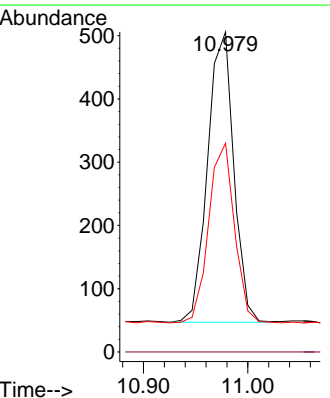
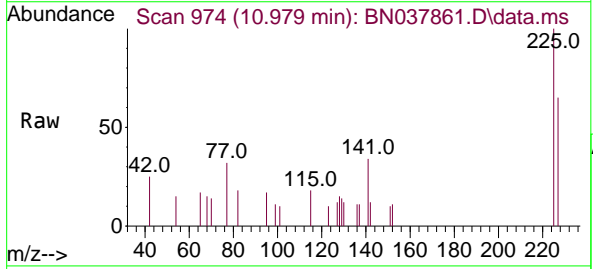
Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.2	13.8
127	15.2	11.0	16.6

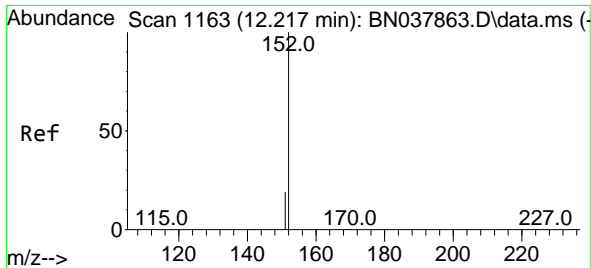


#10
 Hexachlorobutadiene
 Concen: 0.105 ng
 RT: 10.979 min Scan# 974
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:225 Resp: 802

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.8	51.4	77.2

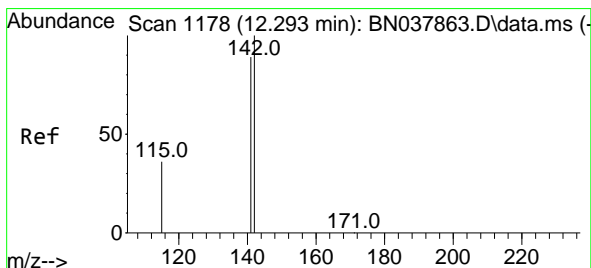
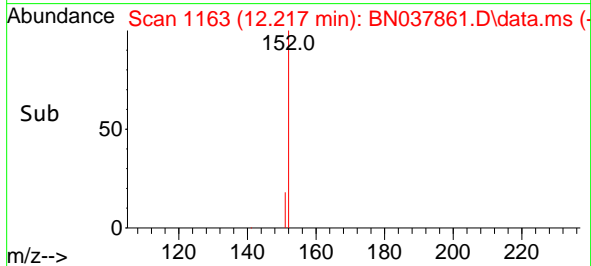
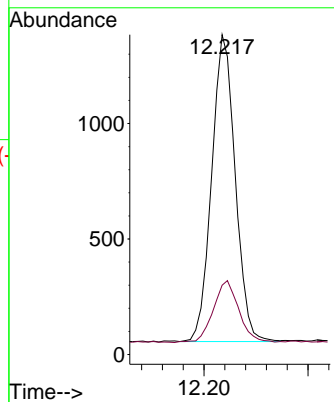
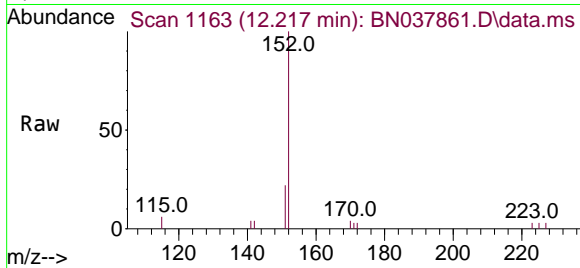




#11
 2-Methylnaphthalene-d10
 Concen: 0.093 ng
 RT: 12.217 min Scan# 1163
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

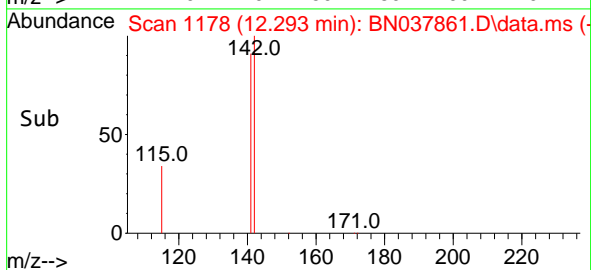
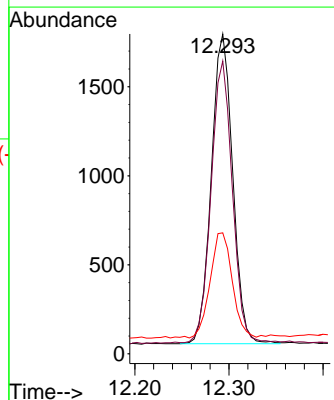
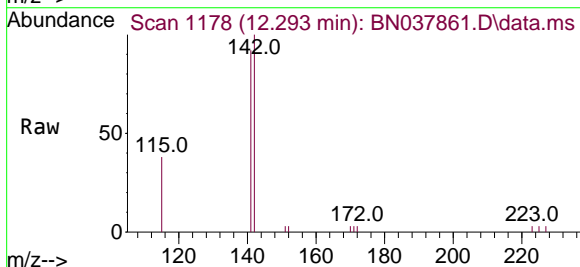
Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

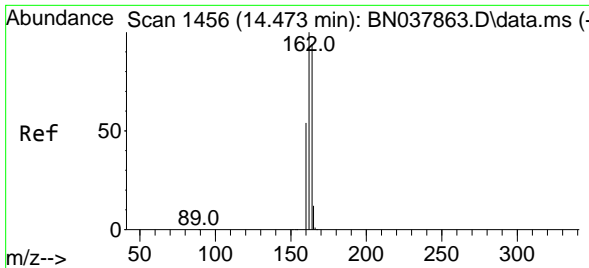
Tgt Ion:152 Resp: 2089
 Ion Ratio Lower Upper
 152 100
 151 22.0 17.4 26.2



#12
 2-Methylnaphthalene
 Concen: 0.094 ng
 RT: 12.293 min Scan# 1178
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

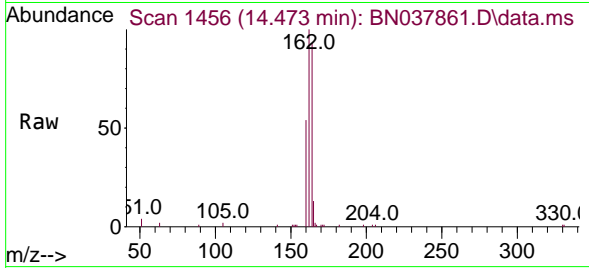
Tgt Ion:142 Resp: 2749
 Ion Ratio Lower Upper
 142 100
 141 91.5 71.2 106.8
 115 37.8 29.7 44.5





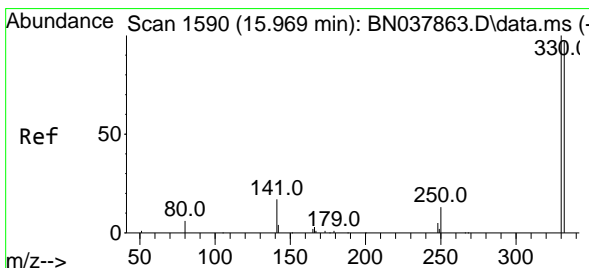
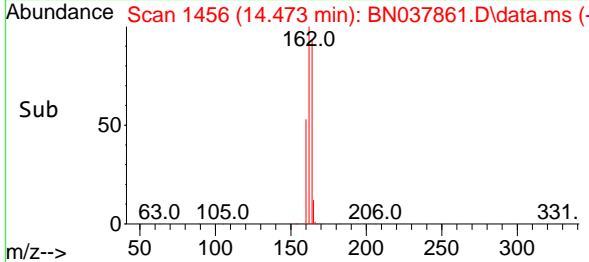
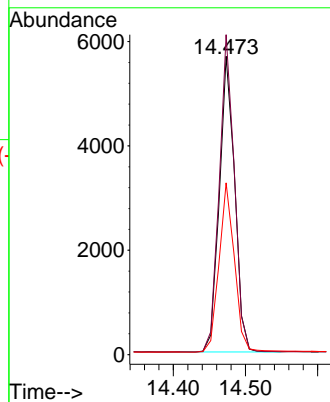
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.473 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

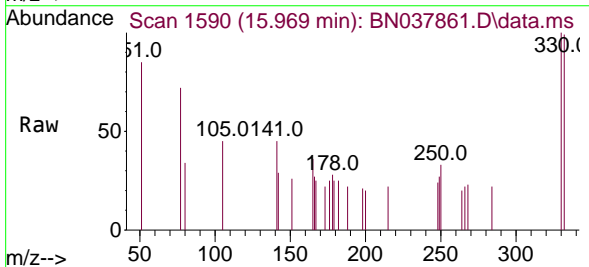


Tgt Ion:164 Resp: 8379

Ion	Ratio	Lower	Upper
164	100		
162	107.3	84.8	127.2
160	57.6	46.1	69.1

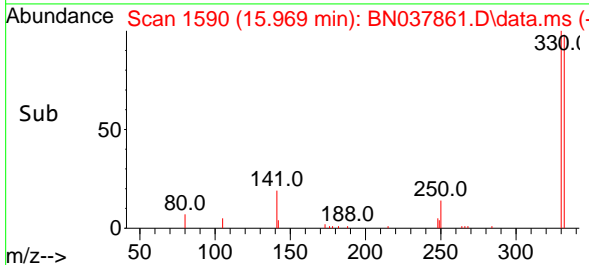
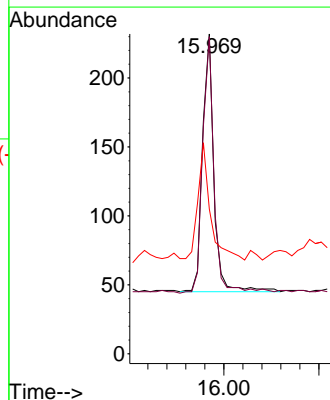


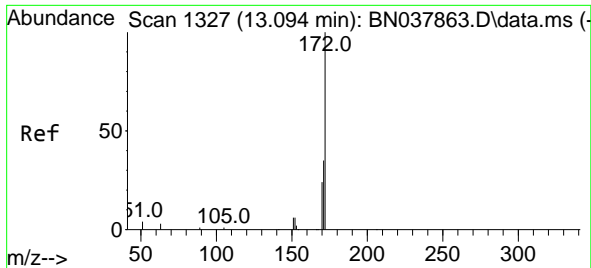
#14
 2,4,6-Tribromophenol
 Concen: 0.091 ng
 RT: 15.969 min Scan# 1590
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13



Tgt Ion:330 Resp: 309

Ion	Ratio	Lower	Upper
330	100		
332	100.3	77.2	115.8
141	50.8	37.2	55.8

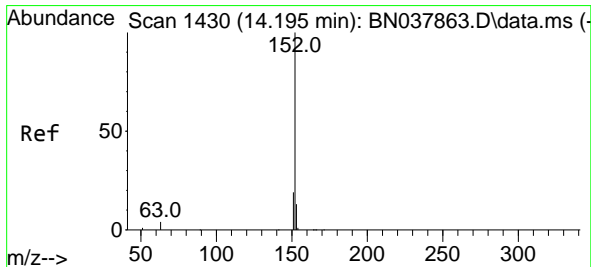
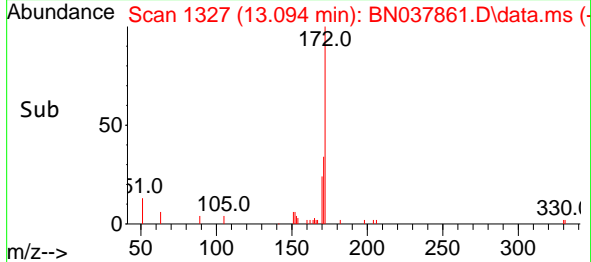
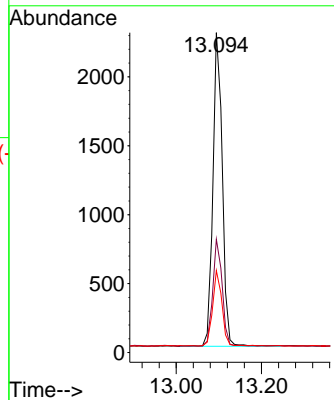
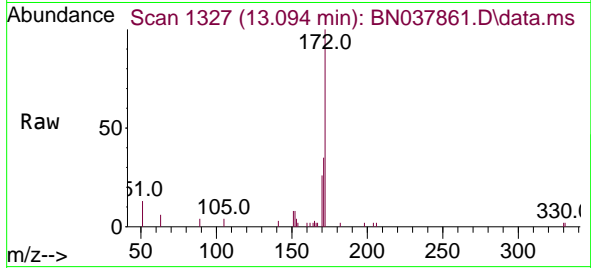




#15
 2-Fluorobiphenyl
 Concen: 0.101 ng
 RT: 13.094 min Scan# 1327
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

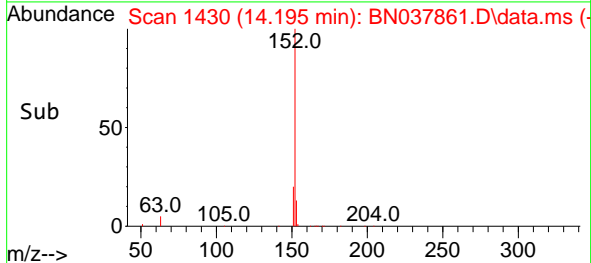
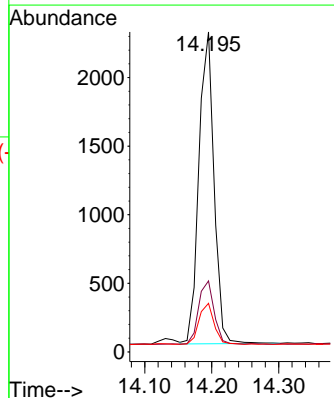
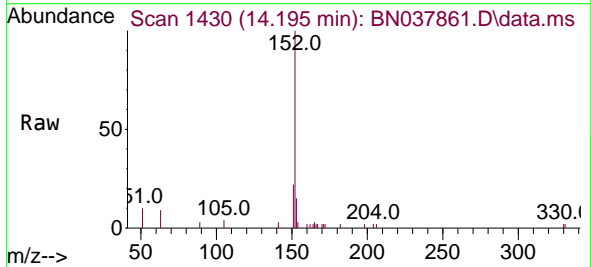
Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

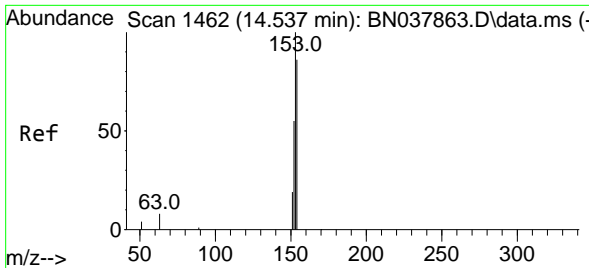
Tgt Ion	Resp	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	25.6	19.7	29.5



#16
 Acenaphthylene
 Concen: 0.093 ng
 RT: 14.195 min Scan# 1430
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

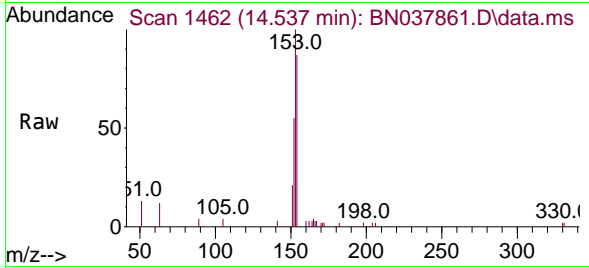
Tgt Ion	Resp	Lower	Upper
152	100		
151	21.2	15.8	23.8
153	13.2	10.5	15.7



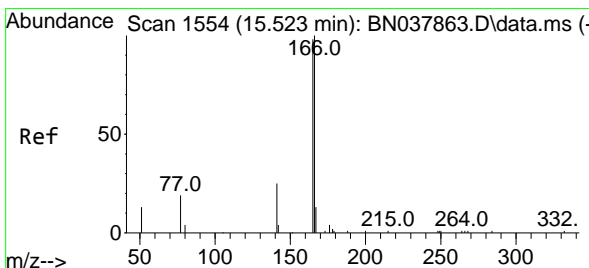
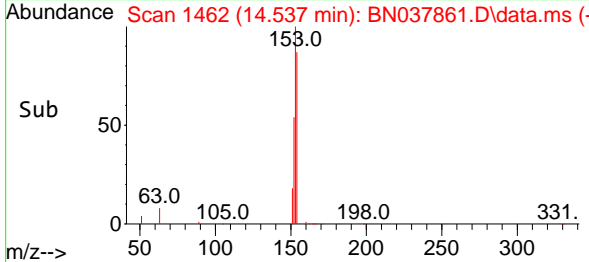
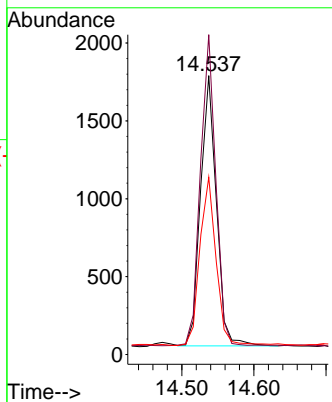


#17
 Acenaphthene
 Concen: 0.098 ng
 RT: 14.537 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

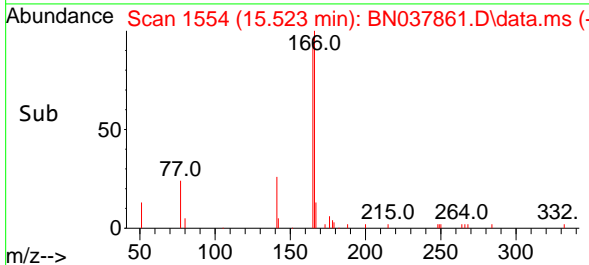
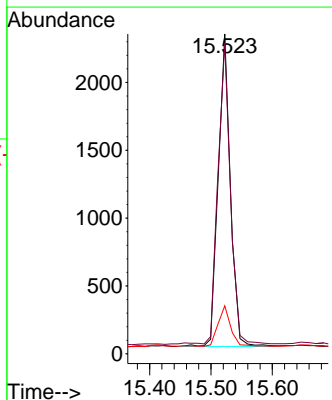
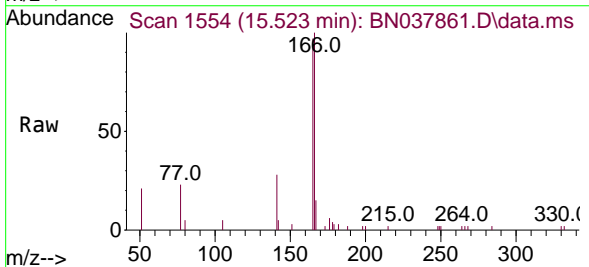


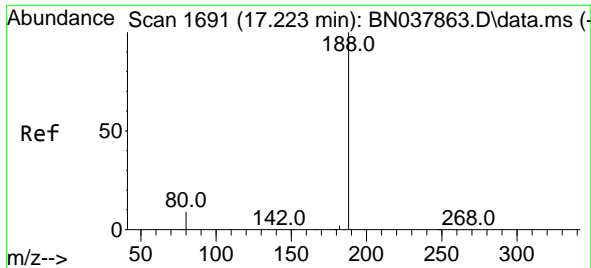
Tgt Ion:154 Resp: 2644
 Ion Ratio Lower Upper
 154 100
 153 111.7 90.5 135.7
 152 64.5 51.8 77.8



#18
 Fluorene
 Concen: 0.093 ng
 RT: 15.523 min Scan# 1554
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:166 Resp: 3048
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.0 118.4
 167 13.7 10.6 16.0

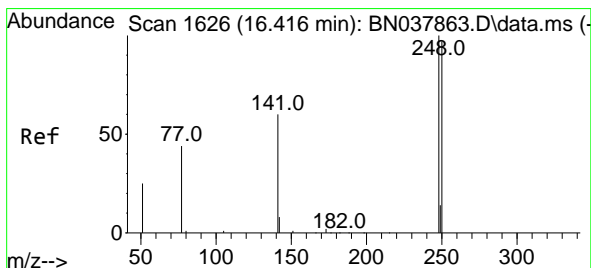
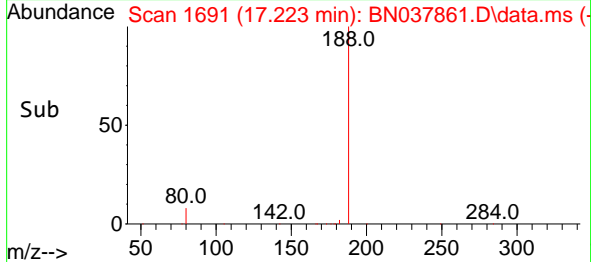
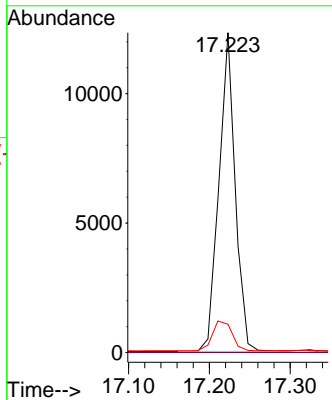
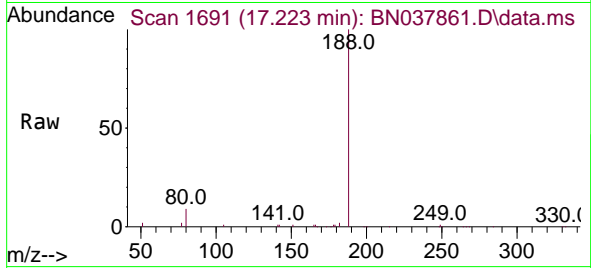




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.223 min Scan# 1691
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

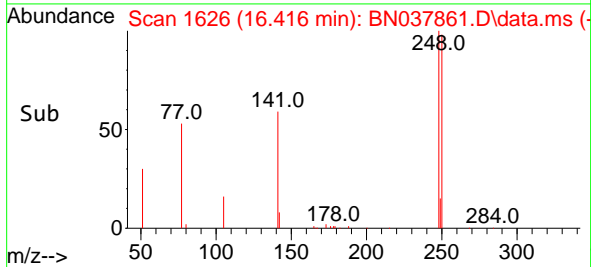
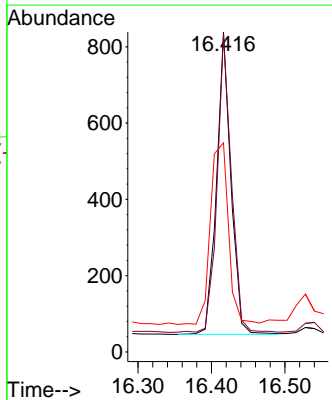
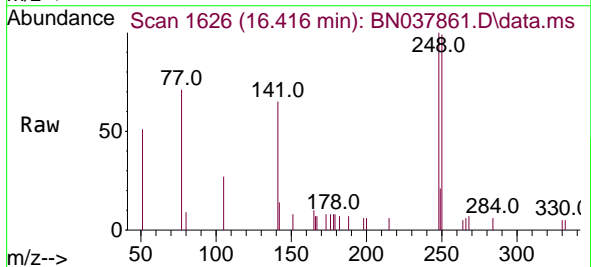
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

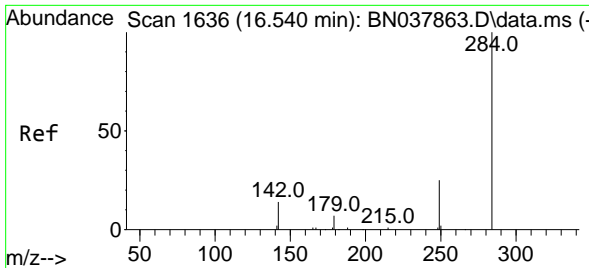
Tgt Ion	Resp	Lower	Upper
188	17197		
94	0.0	0.0	0.0
80	8.9	7.6	11.4



#21
 4-Bromophenyl-phenylether
 Concen: 0.097 ng
 RT: 16.416 min Scan# 1626
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

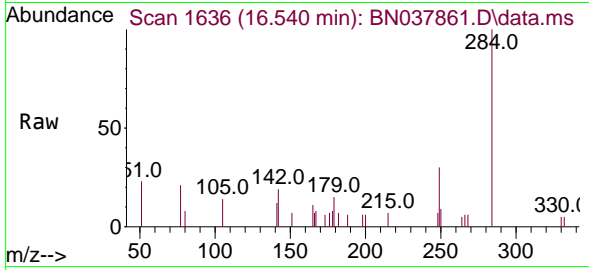
Tgt Ion	Resp	Lower	Upper
248	1084		
250	99.3	77.6	116.4
141	65.3	48.8	73.2





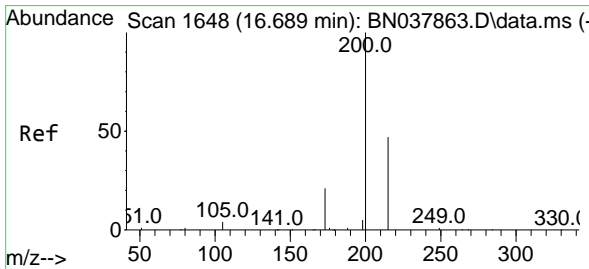
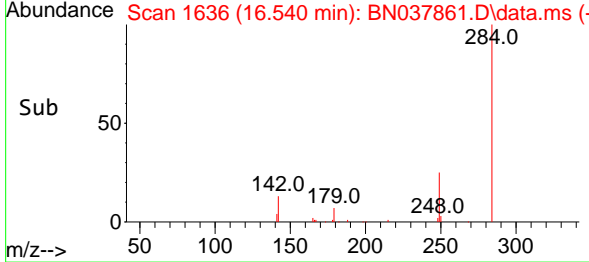
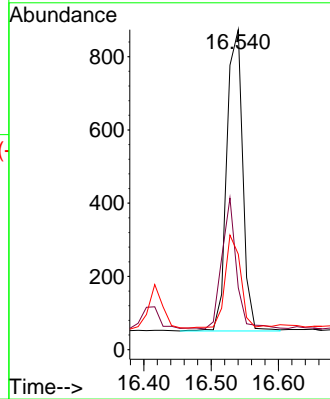
#22
 Hexachlorobenzene
 Concen: 0.100 ng
 RT: 16.540 min Scan# 1636
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1



Tgt Ion:284 Resp: 1361

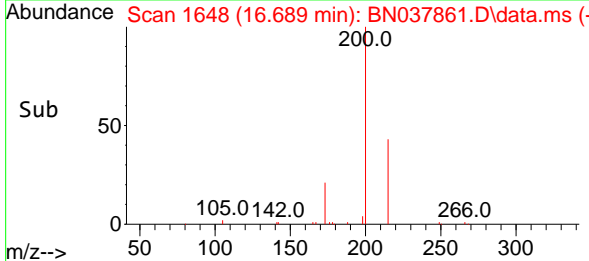
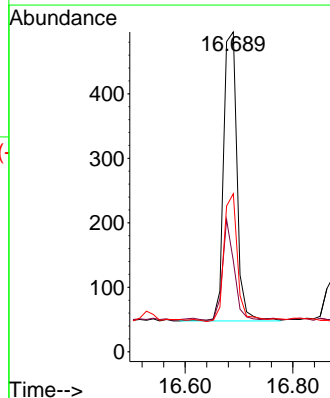
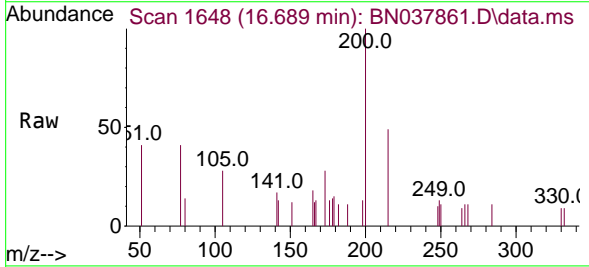
Ion	Ratio	Lower	Upper
284	100		
142	38.9	30.9	46.3
249	30.6	23.9	35.9

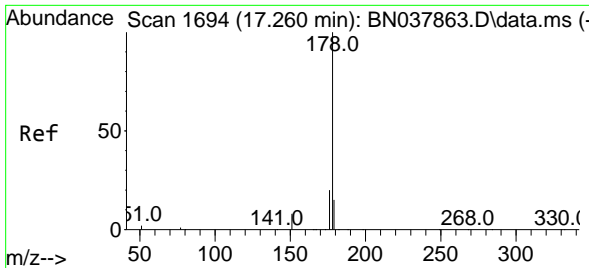


#23
 Atrazine
 Concen: 0.090 ng
 RT: 16.689 min Scan# 1648
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:200 Resp: 772

Ion	Ratio	Lower	Upper
200	100		
173	28.4	18.3	27.5#
215	49.4	38.6	58.0

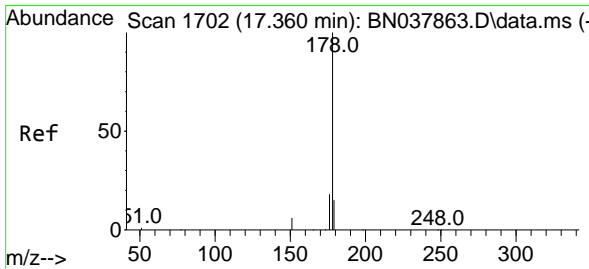
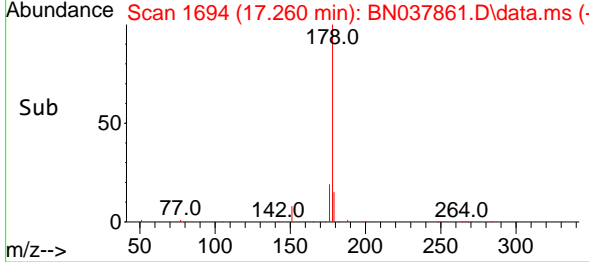
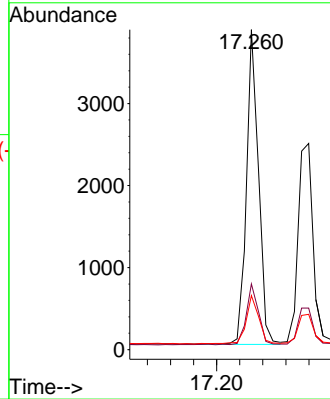
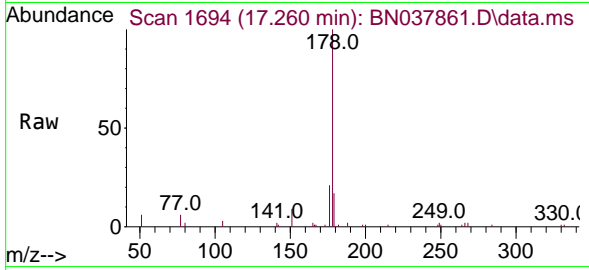




#25
 Phenanthrene
 Concen: 0.099 ng
 RT: 17.260 min Scan# 1694
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

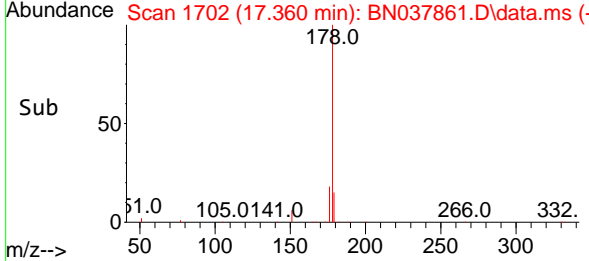
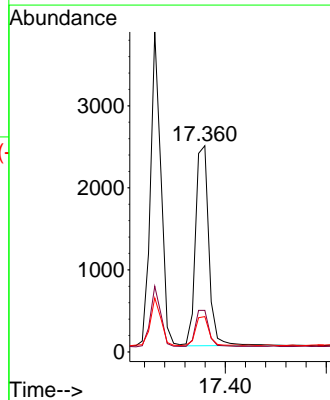
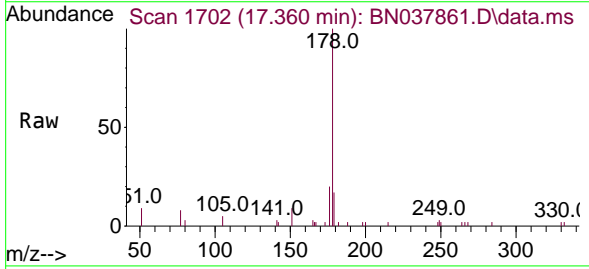
Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

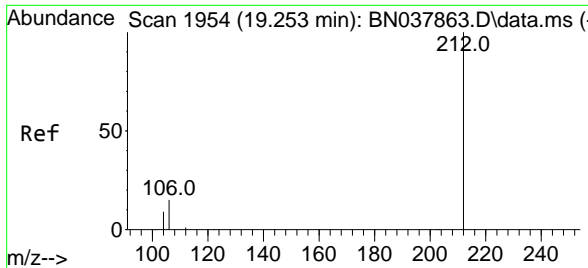
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	16.2	12.3	18.5



#26
 Anthracene
 Concen: 0.091 ng
 RT: 17.360 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	14.9	12.3	18.5



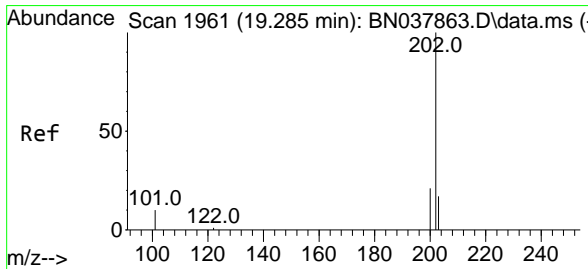
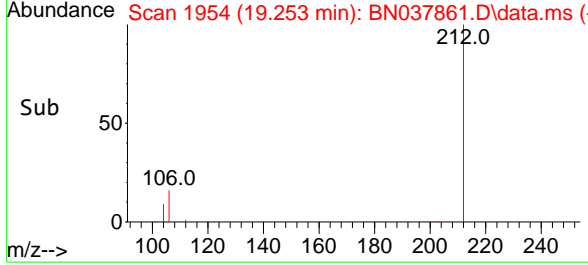
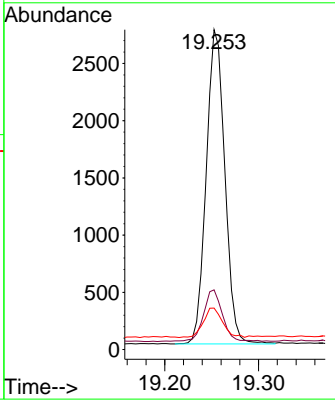
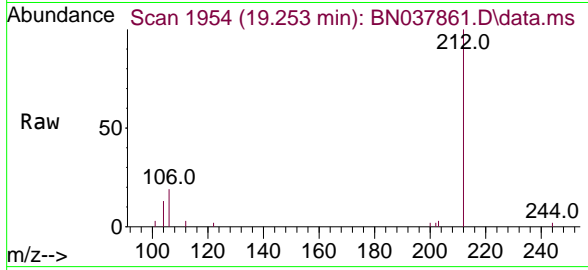


#27
 Fluoranthene-d10
 Concen: 0.087 ng
 RT: 19.253 min Scan# 1954
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

Tgt Ion:212 Resp: 3783

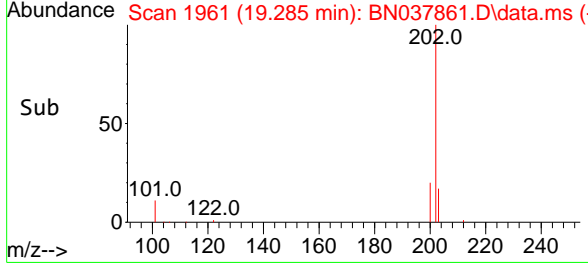
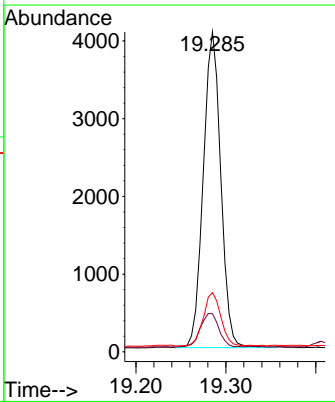
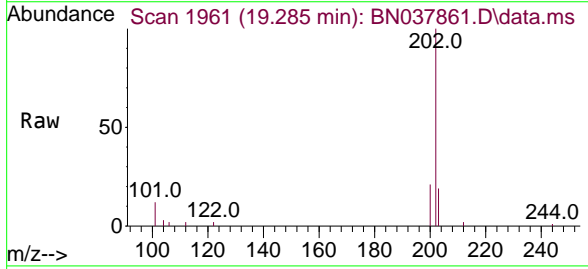
Ion	Ratio	Lower	Upper
212	100		
106	16.8	12.6	19.0
104	9.7	7.4	11.0

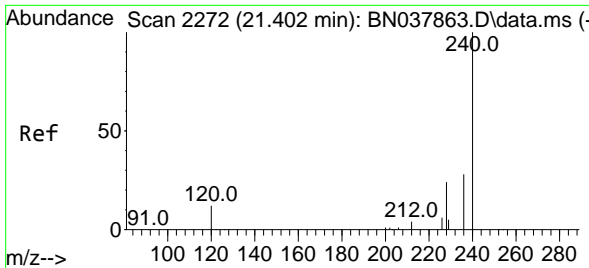


#28
 Fluoranthene
 Concen: 0.088 ng
 RT: 19.285 min Scan# 1961
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:202 Resp: 5493

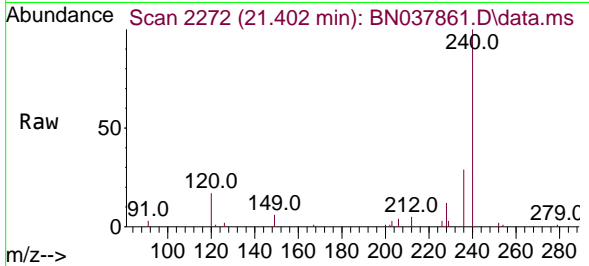
Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.3	13.9
203	16.8	13.6	20.4





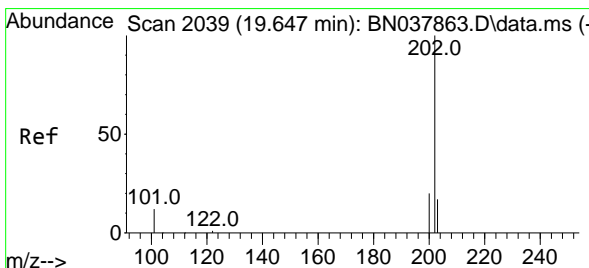
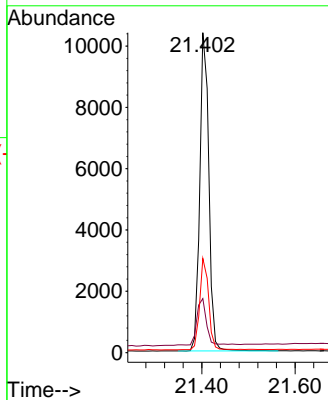
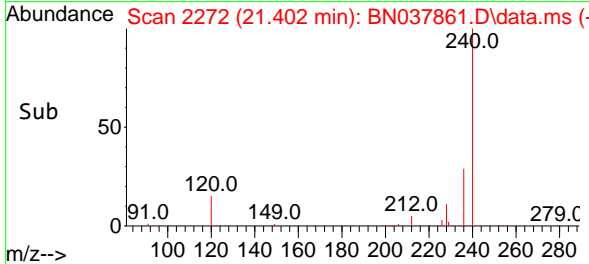
#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.402 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

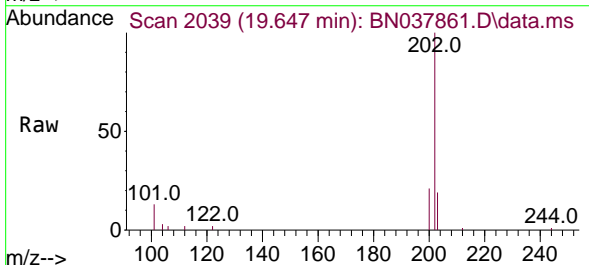


Tgt Ion:240 Resp: 13854

Ion	Ratio	Lower	Upper
240	100		
120	16.9	11.4	17.2
236	29.4	23.0	34.6

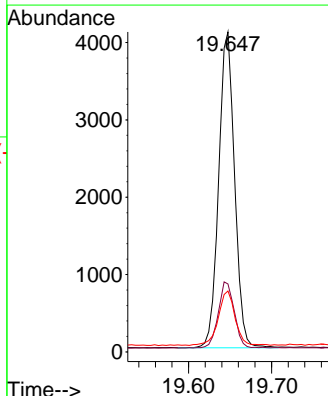
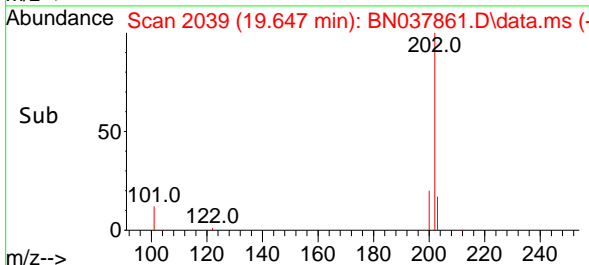


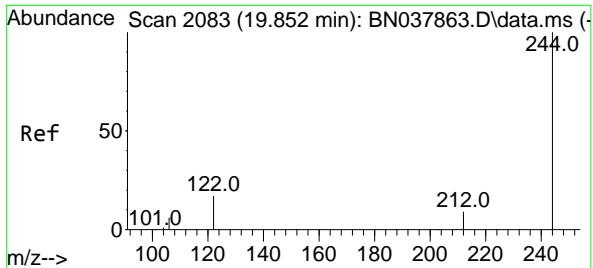
#30
 Pyrene
 Concen: 0.100 ng
 RT: 19.647 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13



Tgt Ion:202 Resp: 5458

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.2	14.2	21.4

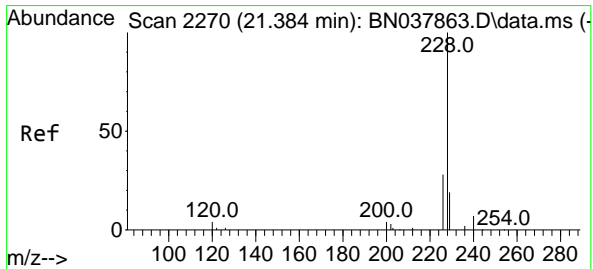
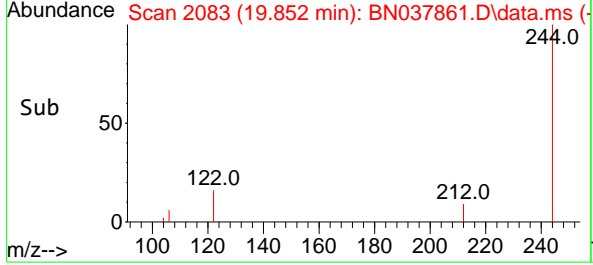
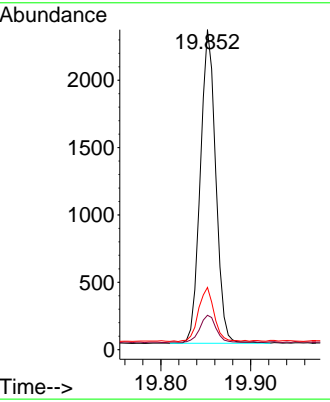
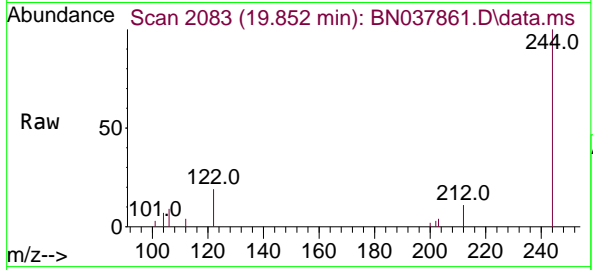




#31
 Terphenyl-d14
 Concen: 0.100 ng
 RT: 19.852 min Scan# 2083
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

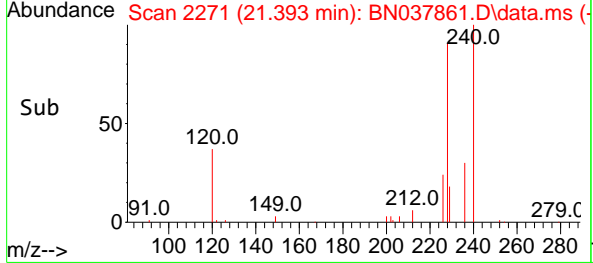
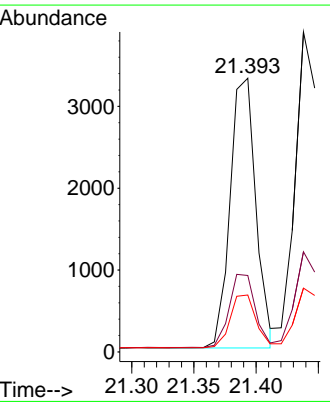
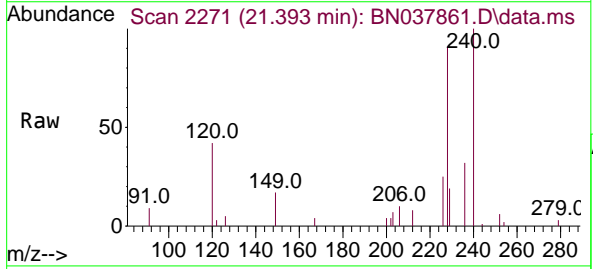
Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

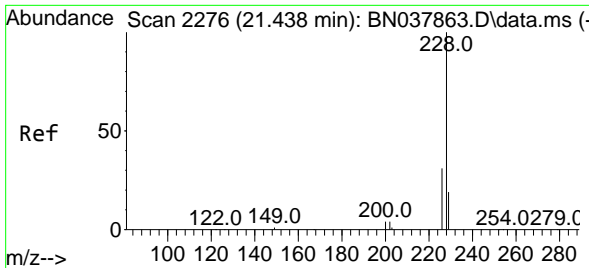
Tgt Ion	Resp	Ion Ratio	Lower	Upper
244	2766	100		
212	10.7	7.6	11.4	
122	19.4	13.9	20.9	



#32
 Benzo(a)anthracene
 Concen: 0.098 ng
 RT: 21.393 min Scan# 2271
 Delta R.T. 0.009 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

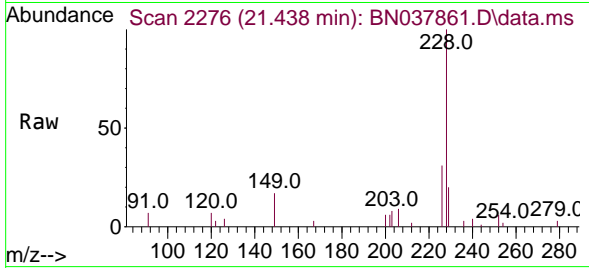
Tgt Ion	Resp	Ion Ratio	Lower	Upper
228	4766	100		
226	27.9	22.6	33.8	
229	20.8	15.6	23.4	





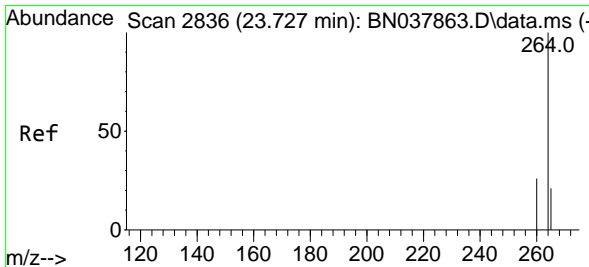
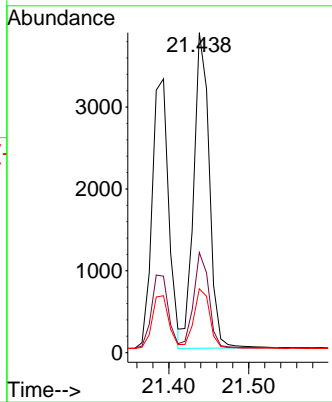
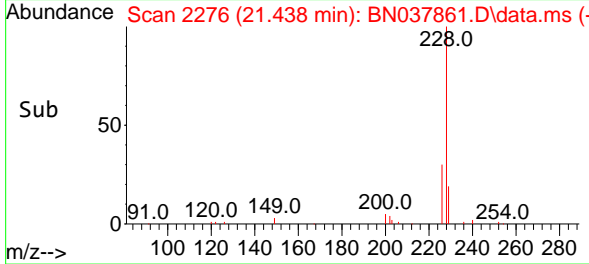
#33
 Chrysene
 Concen: 0.100 ng
 RT: 21.438 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

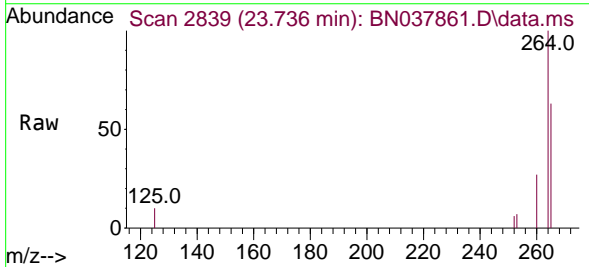


Tgt Ion: 228 Resp: 5223

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	37.0
229	19.9	15.6	23.4

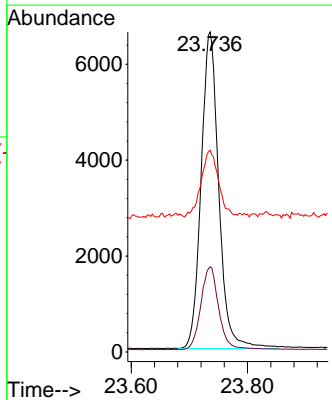
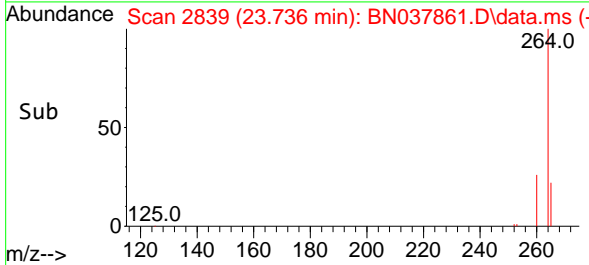


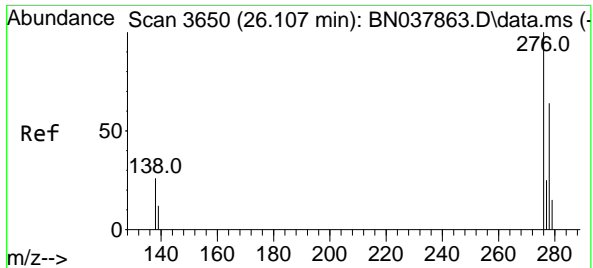
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.736 min Scan# 2839
 Delta R.T. 0.009 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13



Tgt Ion: 264 Resp: 13928

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.5	32.3
265	63.0	53.8	80.6



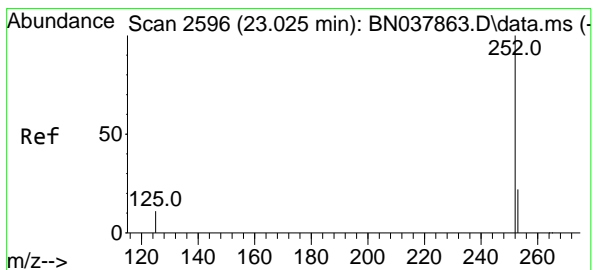
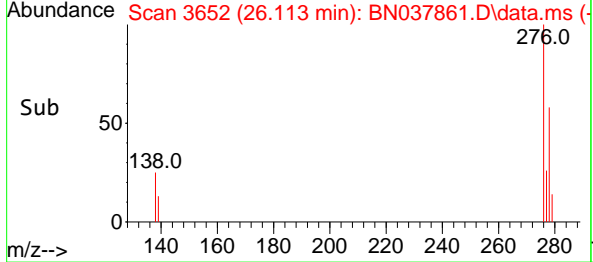
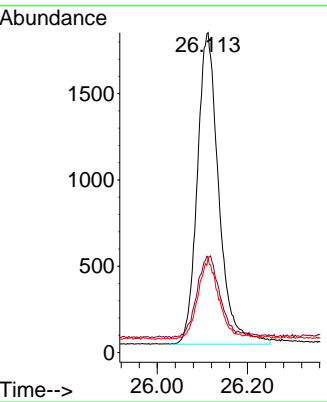
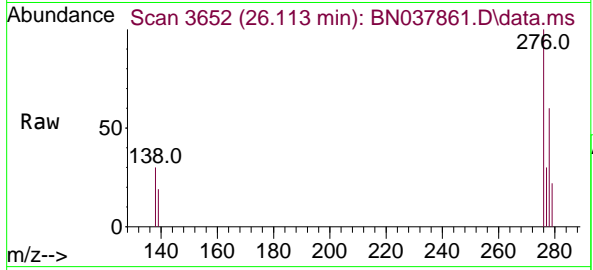


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.094 ng
 RT: 26.113 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument : BNA_N
 ClientSampleId : SSTDICC0.1

Tgt Ion:276 Resp: 5972

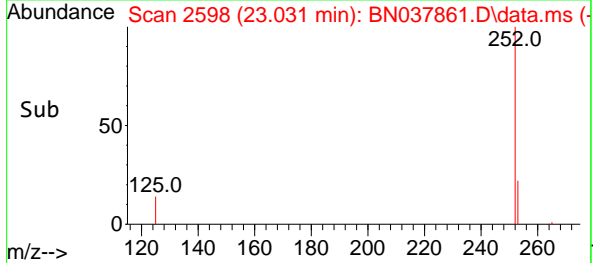
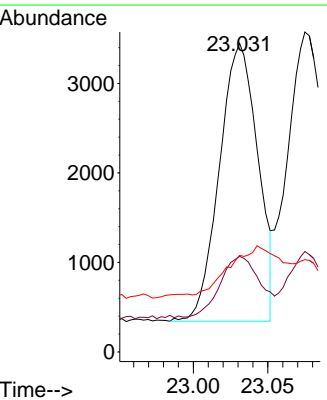
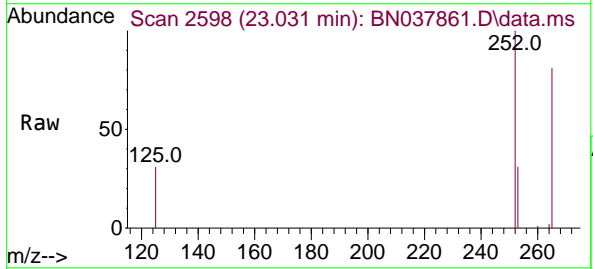
Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.4	32.0
277	24.6	20.3	30.5

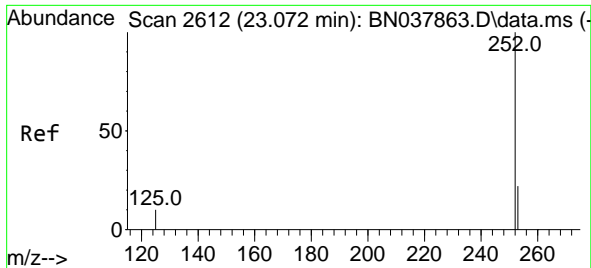


#37
 Benzo(b)fluoranthene
 Concen: 0.093 ng
 RT: 23.031 min Scan# 2598
 Delta R.T. 0.006 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:252 Resp: 5567

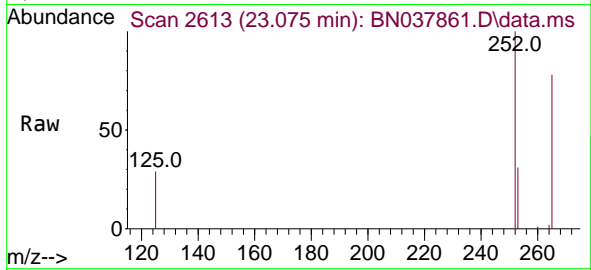
Ion	Ratio	Lower	Upper
252	100		
253	31.0	19.4	29.0#
125	31.3	13.0	19.4#



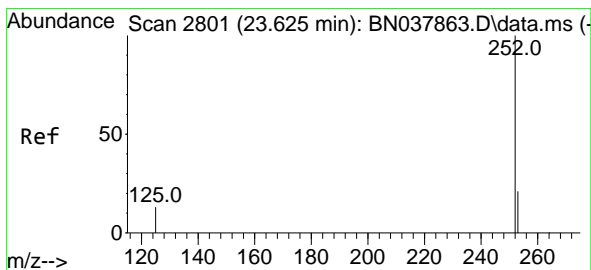
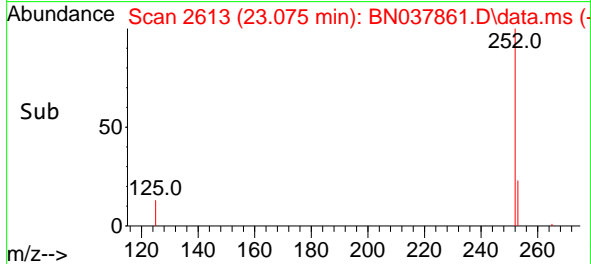
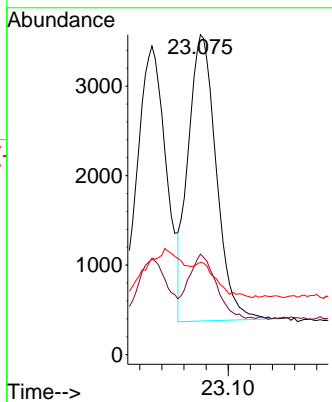


#38
 Benzo(k)fluoranthene
 Concen: 0.093 ng
 RT: 23.075 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

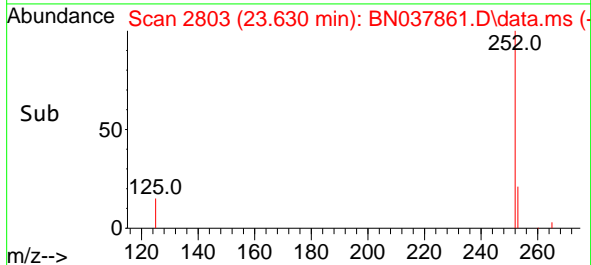
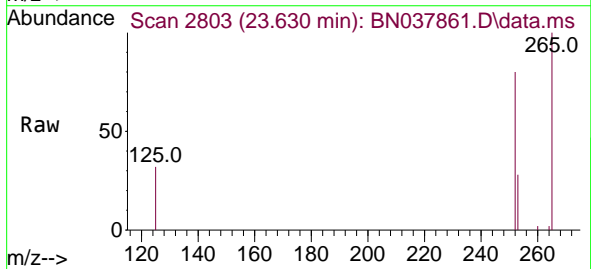
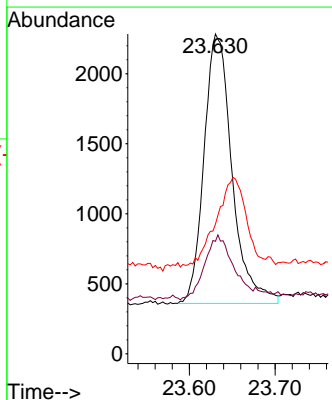


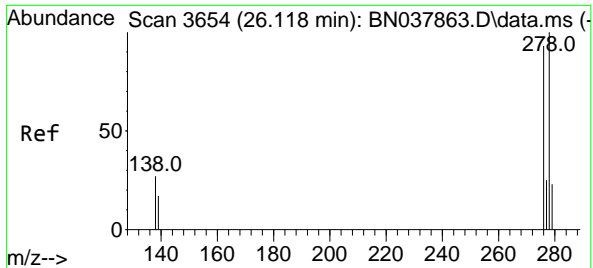
Tgt Ion:252 Resp: 5642
 Ion Ratio Lower Upper
 252 100
 253 31.4 19.5 29.3#
 125 28.8 13.0 19.4#



#39
 Benzo(a)pyrene
 Concen: 0.092 ng
 RT: 23.630 min Scan# 2803
 Delta R.T. 0.006 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

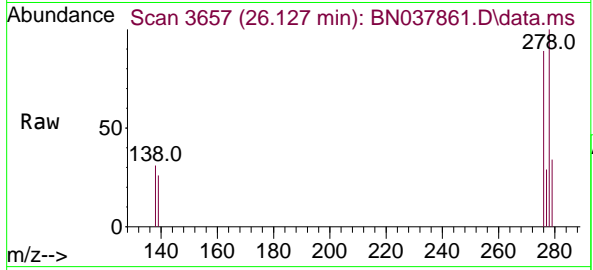
Tgt Ion:252 Resp: 4368
 Ion Ratio Lower Upper
 252 100
 253 35.2 20.6 30.8#
 125 40.6 16.7 25.1#



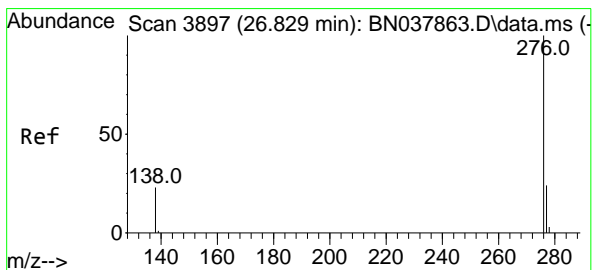
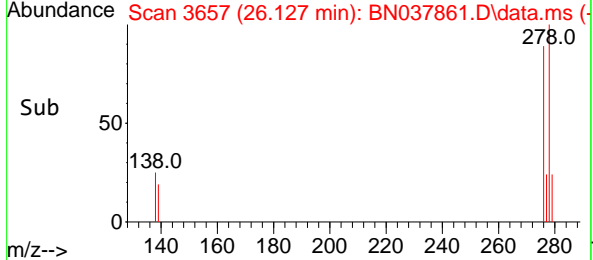
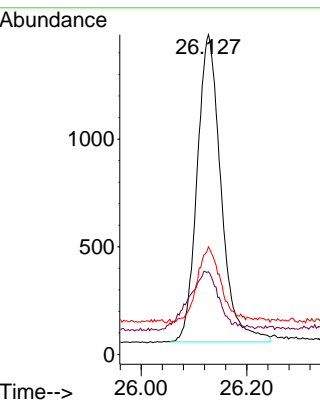


#40
 Dibenzo(a,h)anthracene
 Concen: 0.090 ng
 RT: 26.127 min Scan# 30
 Delta R.T. 0.009 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1



Tgt Ion:278 Resp: 4476
 Ion Ratio Lower Upper
 278 100
 139 25.9 15.4 23.2#
 279 33.7 20.8 31.2#



#41
 Benzo(g,h,i)perylene
 Concen: 0.094 ng
 RT: 26.832 min Scan# 3898
 Delta R.T. 0.003 min
 Lab File: BN037861.D
 Acq: 23 Sep 2025 12:13

Tgt Ion:276 Resp: 4900
 Ion Ratio Lower Upper
 276 100
 277 28.9 20.2 30.4
 138 28.5 19.8 29.8

