

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092525\
 Data File : BN037889.D
 Acq On : 25 Sep 2025 15:11
 Operator : RC/JU
 Sample : Q3141-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20250918

Quant Time: Sep 25 15:42:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 11:00:01 2025
 Response via : Initial Calibration

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

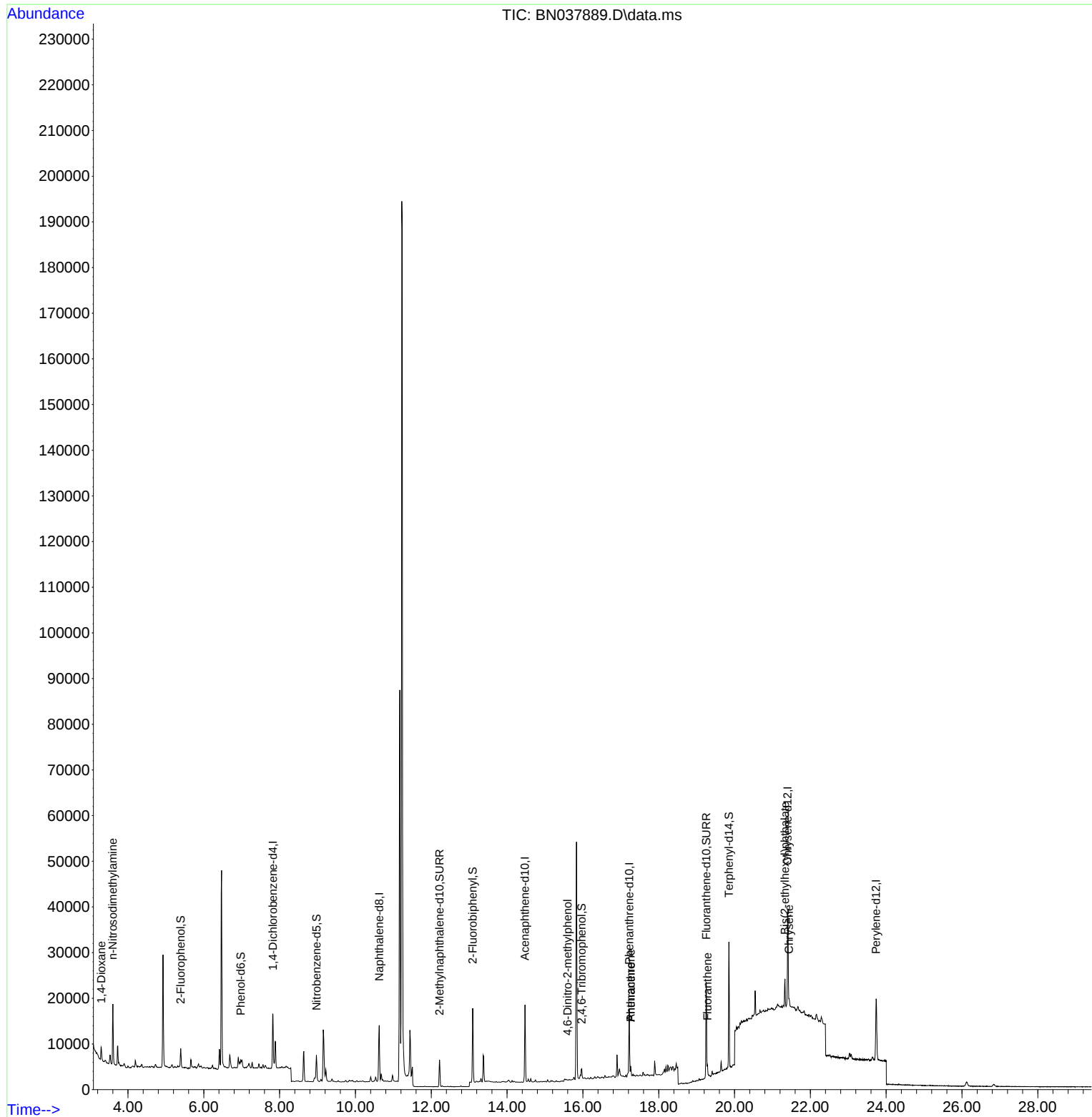
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	5890	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	15941	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	8922	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	18792	0.400	ng	0.00
29) Chrysene-d12	21.402	240	19605	0.400	ng	# 0.00
35) Perylene-d12	23.736	264	19091	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	1904	0.142	ng	0.00
5) Phenol-d6	6.973	99	1570	0.089	ng	0.00
8) Nitrobenzene-d5	8.971	82	4404	0.362	ng	0.00
11) 2-Methylnaphthalene-d10	12.217	152	7775	0.351	ng	0.00
14) 2,4,6-Tribromophenol	15.969	330	1374	0.406	ng	0.00
15) 2-Fluorobiphenyl	13.094	172	13461	0.369	ng	0.00
27) Fluoranthene-d10	19.257	212	22823	0.483	ng	0.00
31) Terphenyl-d14	19.852	244	25619	0.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.297	88	1566	0.262	ng	# 51
3) n-Nitrosodimethylamine	3.601	42	1151	0.145	ng	# 26
20) 4,6-Dinitro-2-methylph...	15.597	198	10	0.072	ng	# 1
25) Phenanthrene	17.260	178	2267	0.037	ng	98
26) Anthracene	17.260	178	2267	0.042	ng	97
28) Fluoranthene	19.285	202	1721	0.025	ng	# 82
33) Chrysene	21.438	228	1573	0.021	ng	# 58
34) Bis(2-ethylhexyl)phtha...	21.331	149	6385	0.236	ng	94

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

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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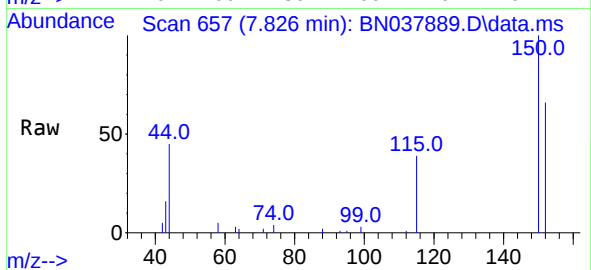
Quant Time: Sep 25 15:42:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
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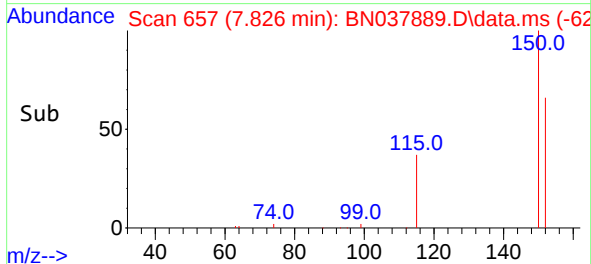
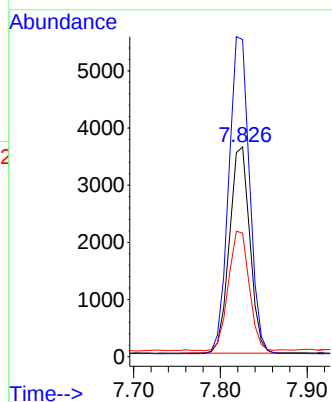


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.826 min Scan# 61
 Delta R.T. 0.001 min
 Lab File: BN037889.D
 Acq: 25 Sep 2025 15:11

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20250918

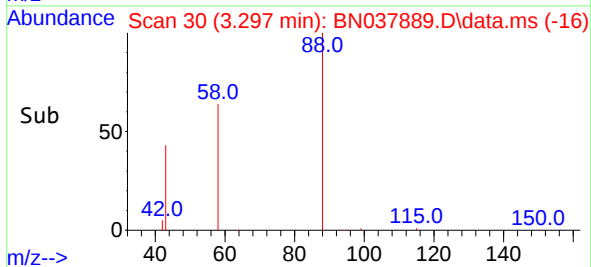
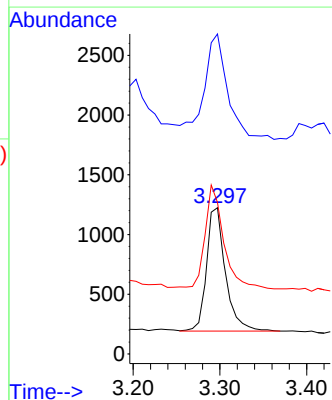
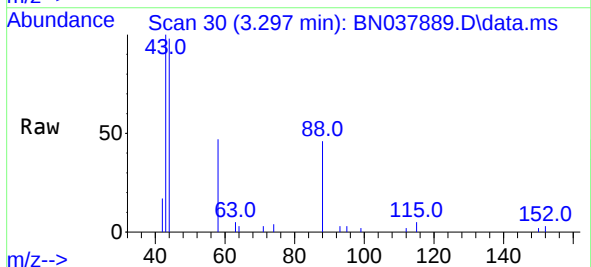


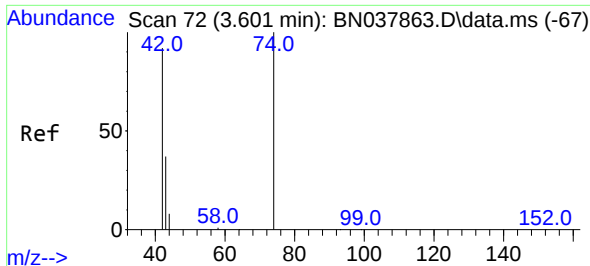
Tgt Ion:152 Resp: 5890
 Ion Ratio Lower Upper
 152 100
 150 151.2 121.0 181.4
 115 58.9 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.262 ng
 RT: 3.297 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BN037889.D
 Acq: 25 Sep 2025 15:11

Tgt Ion: 88 Resp: 1566
 Ion Ratio Lower Upper
 88 100
 43 108.2 26.6 39.8#
 58 83.4 58.9 88.3

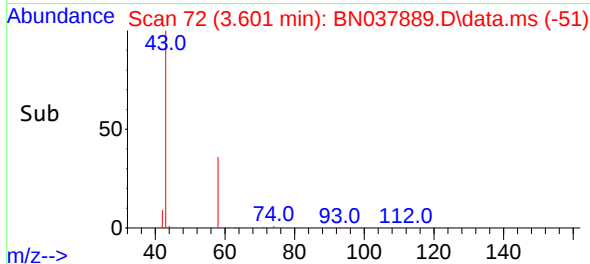
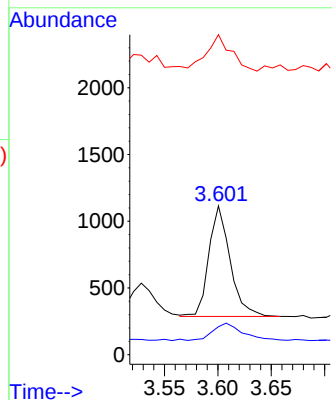
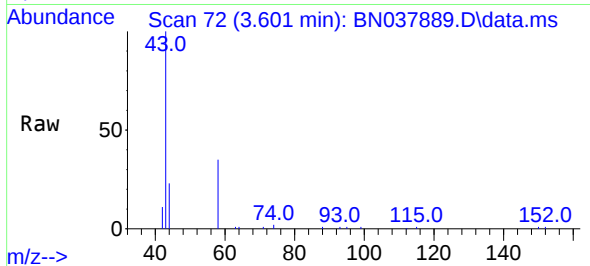




#3
n-Nitrosodimethylamine
Concen: 0.145 ng
RT: 3.601 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

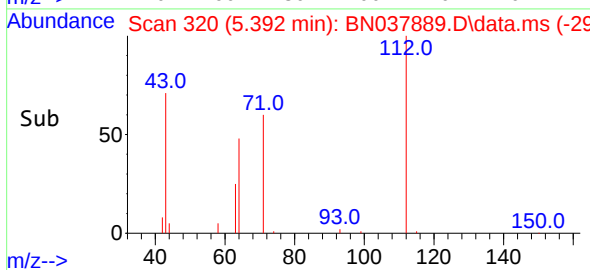
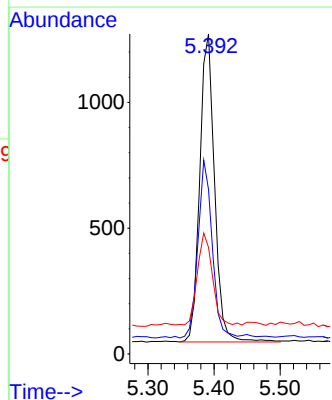
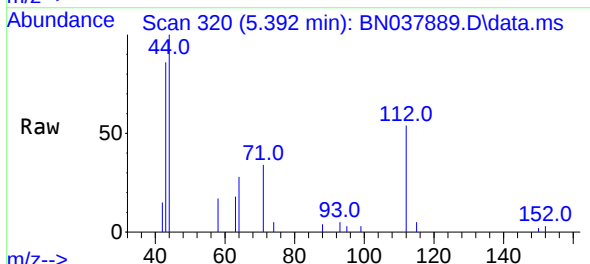
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

Tgt Ion: 42 Resp: 1151
Ion Ratio Lower Upper
42 100
74 21.2 93.4 140.0#
44 37.3 22.2 33.4#



#4
2-Fluorophenol
Concen: 0.142 ng
RT: 5.392 min Scan# 320
Delta R.T. 0.007 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

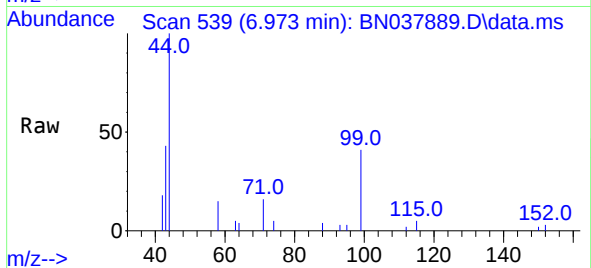
Tgt Ion: 112 Resp: 1904
Ion Ratio Lower Upper
112 100
64 55.3 44.6 66.8
63 30.6 24.9 37.3



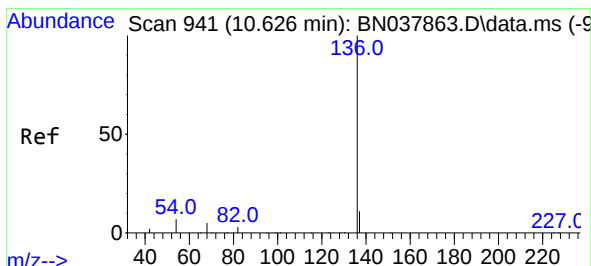
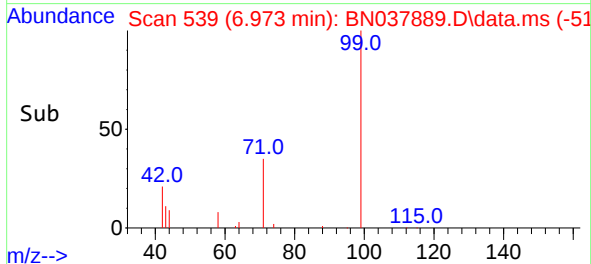
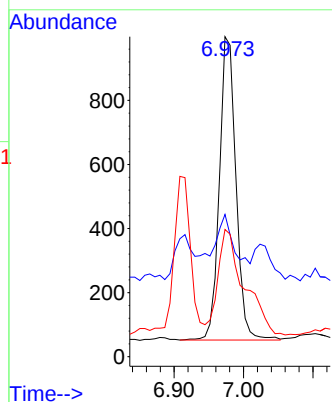


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.973 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

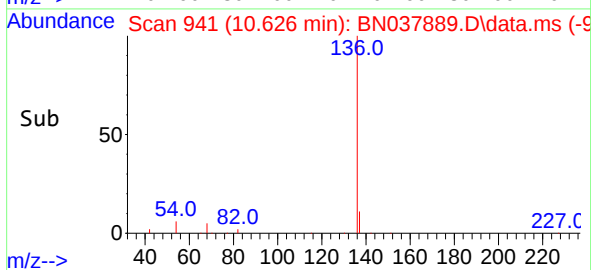
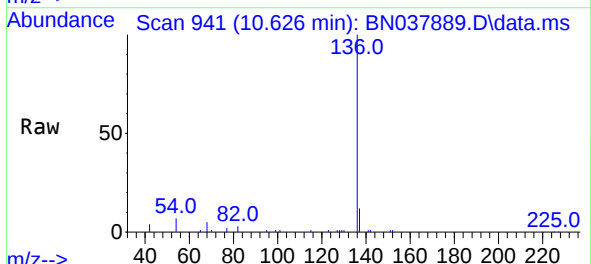
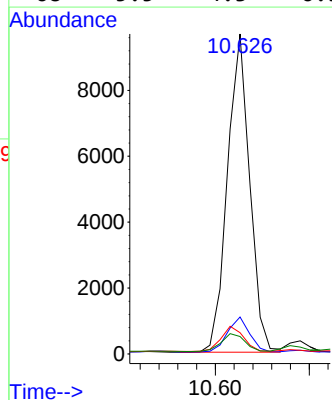


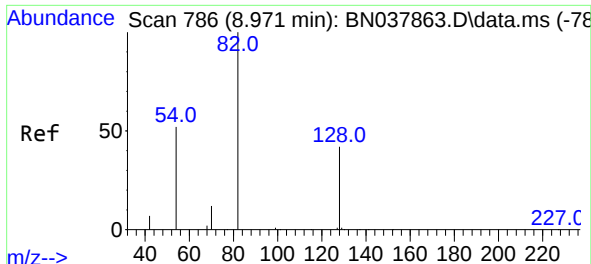
Tgt Ion: 99 Resp: 1570
Ion Ratio Lower Upper
99 100
42 24.4 17.2 25.8
71 54.6 27.3 40.9#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion: 136 Resp: 15941
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 6.7 5.8 8.8
68 5.5 4.3 6.5

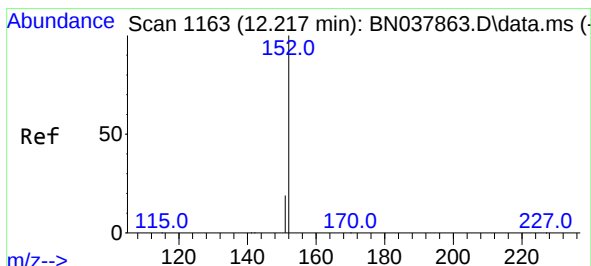
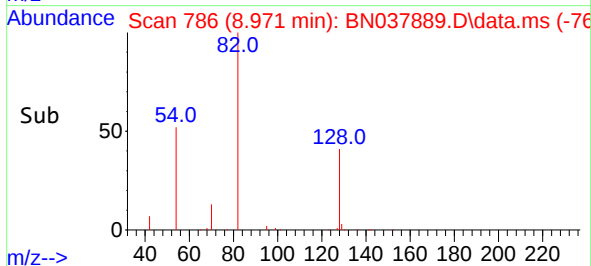
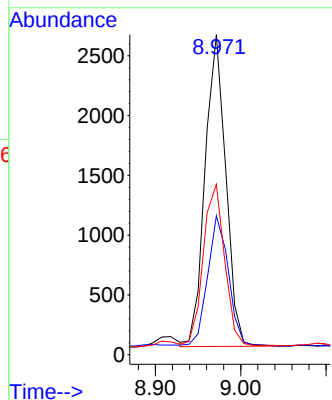
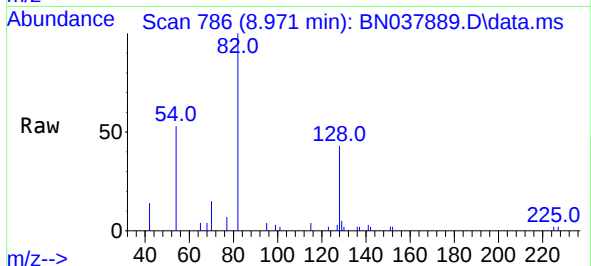




#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

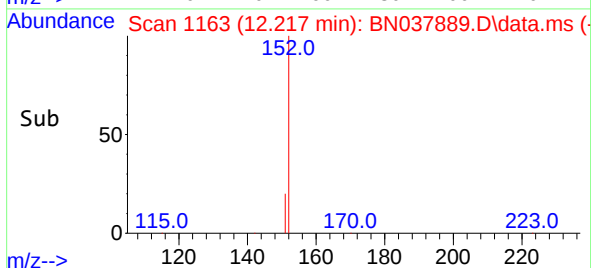
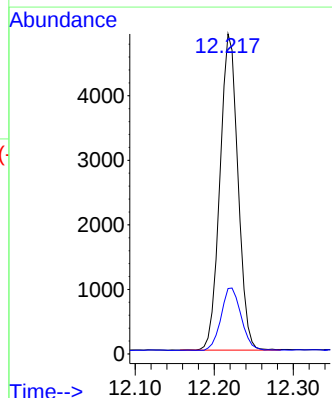
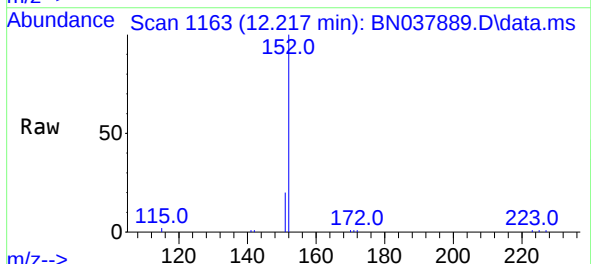
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

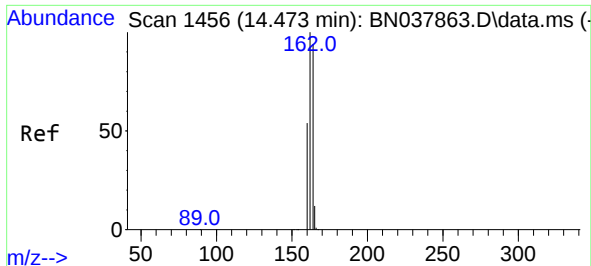
Tgt Ion: 82 Resp: 4404
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 53.2 42.2 63.2



#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion: 152 Resp: 7775
Ion Ratio Lower Upper
152 100
151 22.0 17.4 26.2

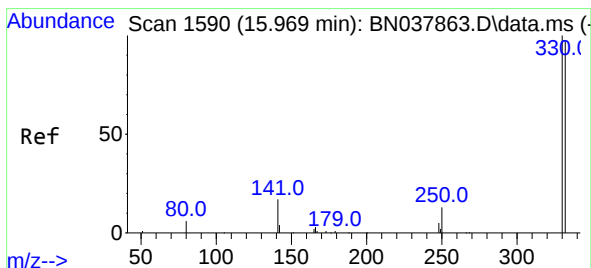
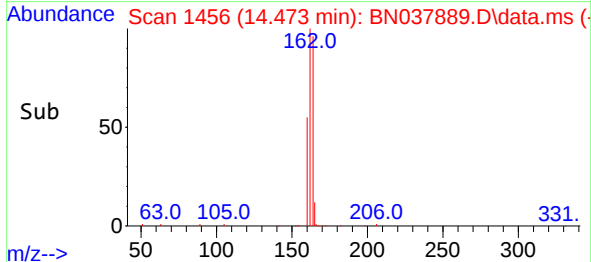
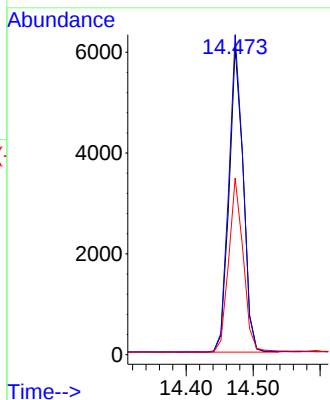
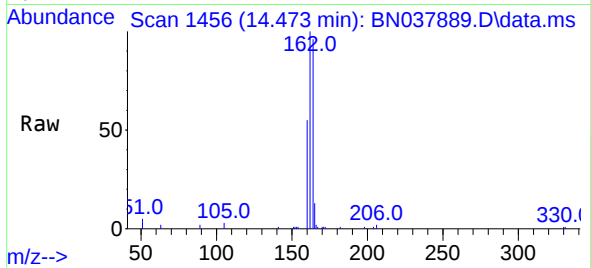




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

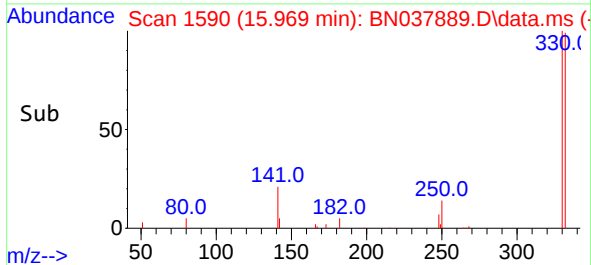
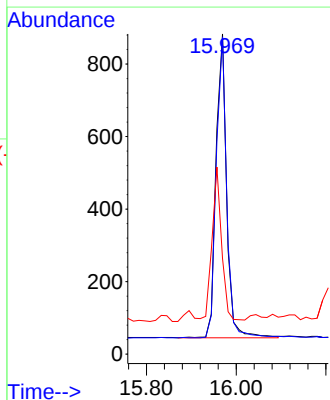
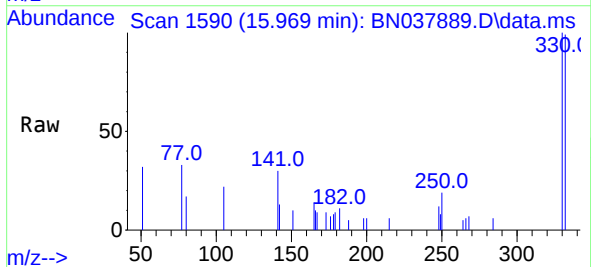
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

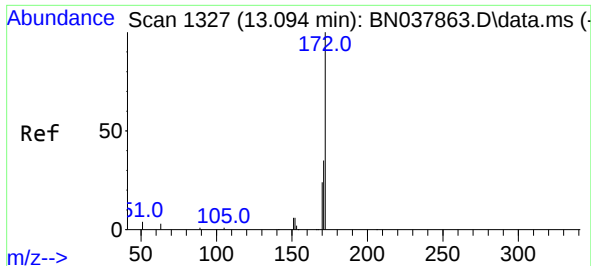
Tgt Ion:164 Resp: 8922
Ion Ratio Lower Upper
164 100
162 104.2 84.8 127.2
160 57.5 46.1 69.1



#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 15.969 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion:330 Resp: 1374
Ion Ratio Lower Upper
330 100
332 97.8 77.2 115.8
141 44.5 37.2 55.8

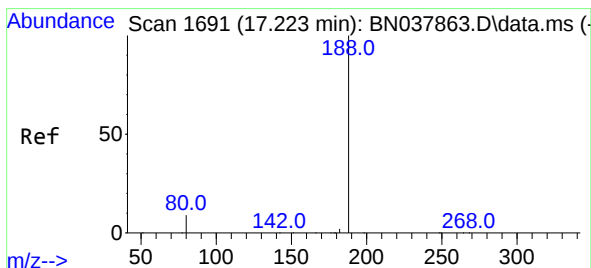
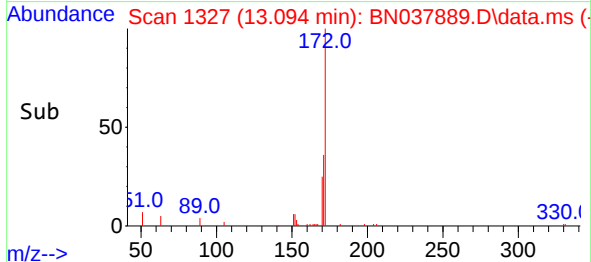
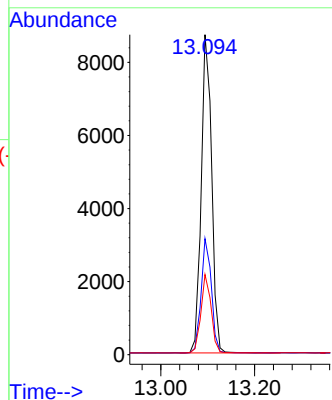
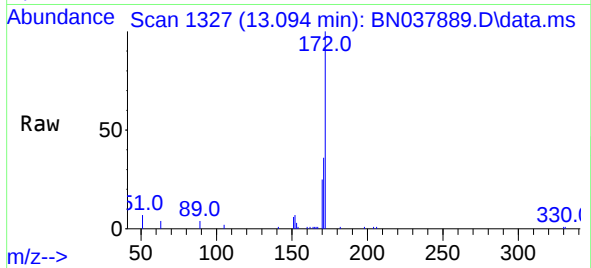




#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 13.094 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

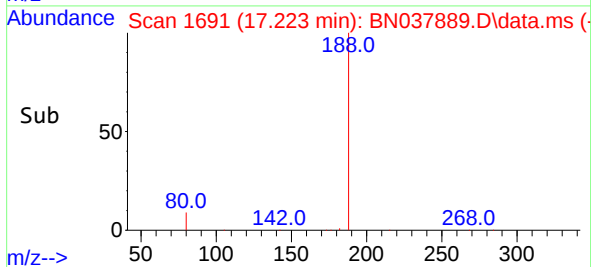
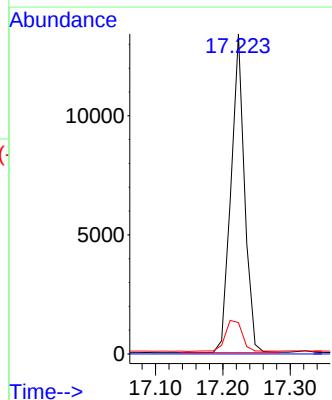
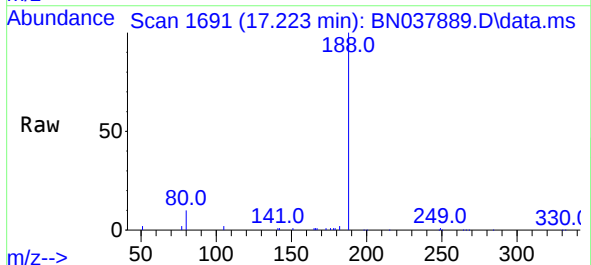
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ClientSampleId :
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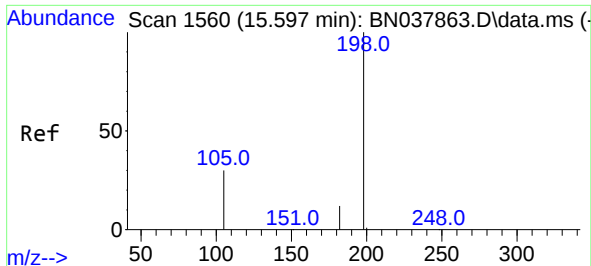
Tgt Ion:	172	Resp:	13461
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.6	43.0
170	25.1	19.7	29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion:	188	Resp:	18792
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.8	7.6	11.4

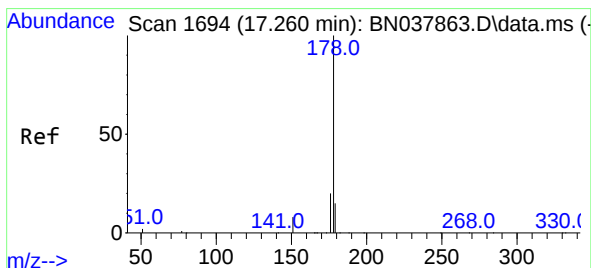
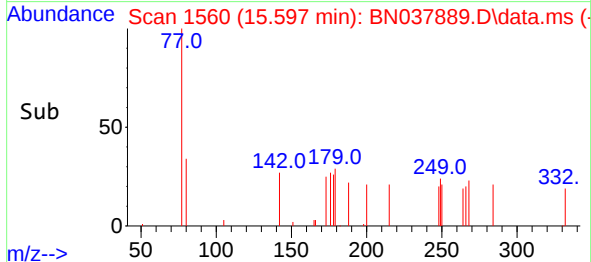
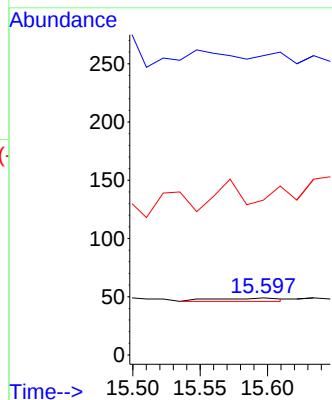
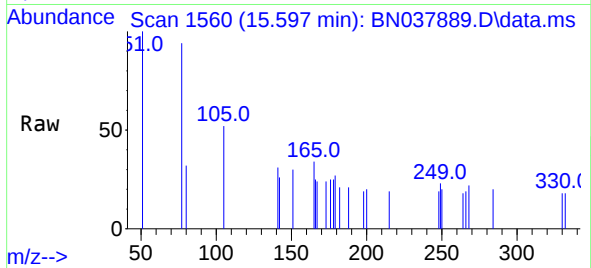




#20
4,6-Dinitro-2-methylphenol
Concen: 0.072 ng
RT: 15.597 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

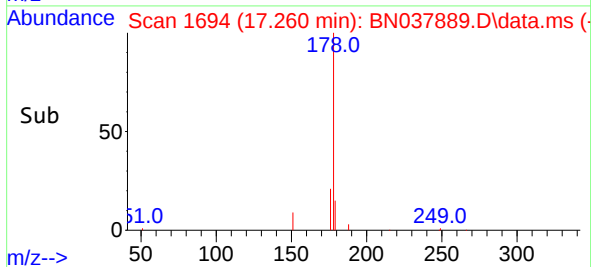
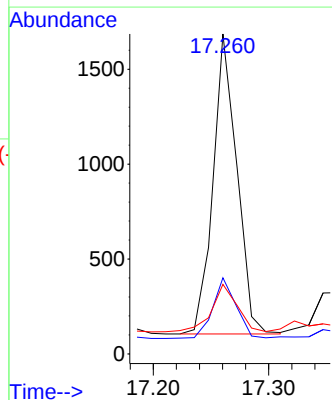
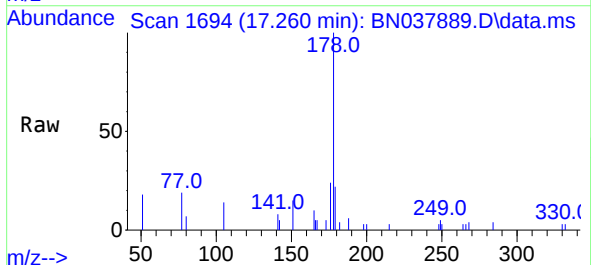
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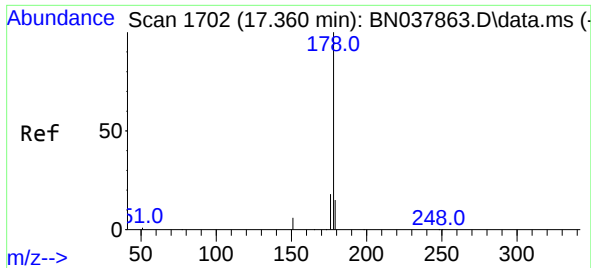
Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 524.5 59.1 88.7#
105 271.4 41.3 61.9#



#25
Phenanthrene
Concen: 0.037 ng
RT: 17.260 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion:178 Resp: 2267
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 17.0 12.3 18.5



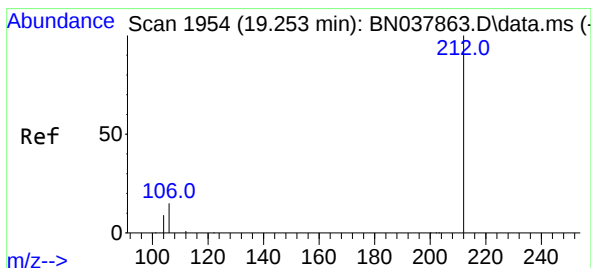
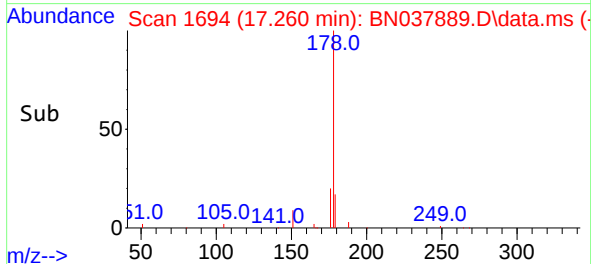
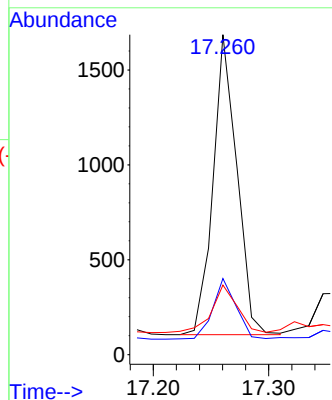
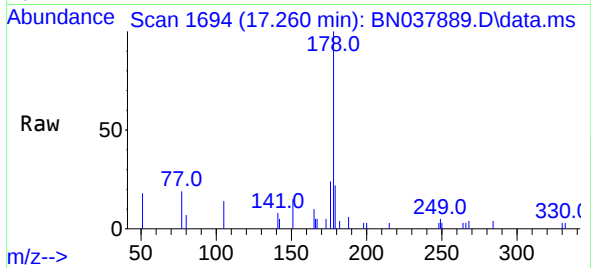


#26
Anthracene
Concen: 0.042 ng
RT: 17.260 min Scan# 1694
Delta R.T. -0.099 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

Tgt Ion:178 Resp: 2267

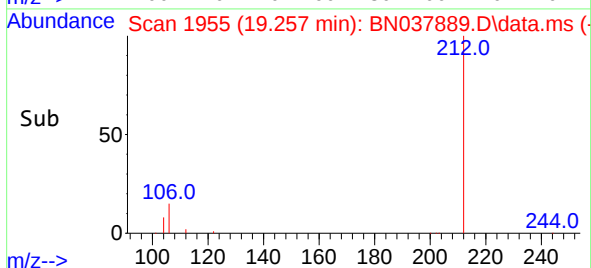
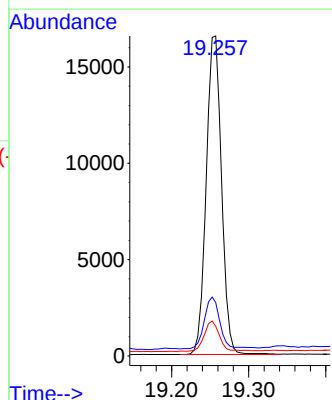
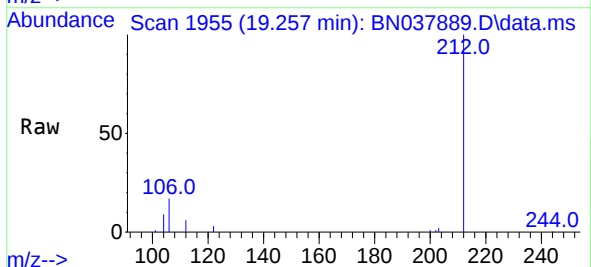
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.0	22.4
179	17.0	12.3	18.5

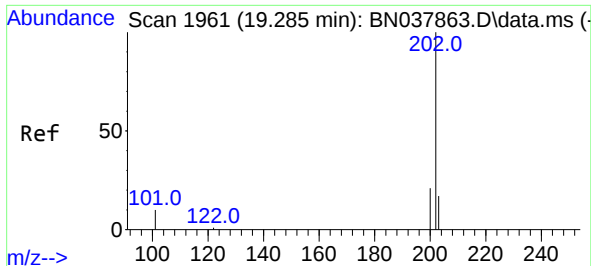


#27
Fluoranthene-d10
Concen: 0.483 ng
RT: 19.257 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion:212 Resp: 22823

Ion	Ratio	Lower	Upper
212	100		
106	16.6	12.6	19.0
104	9.6	7.4	11.0

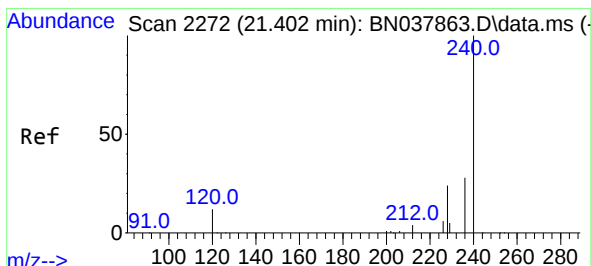
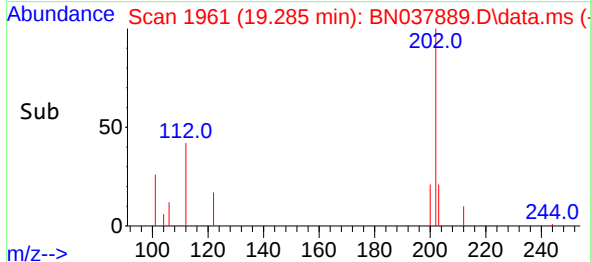
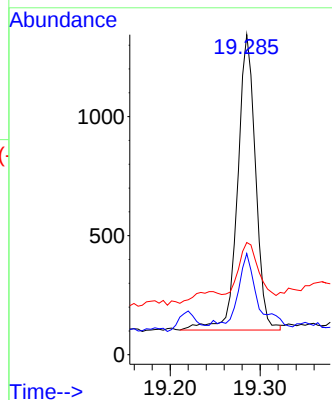
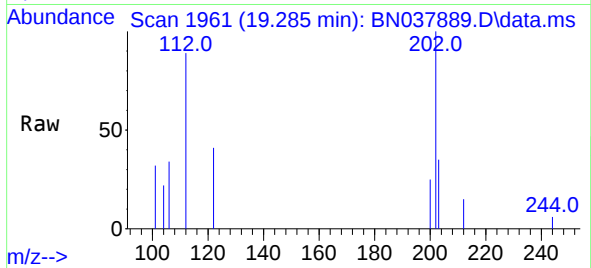




#28
Fluoranthene
Concen: 0.025 ng
RT: 19.285 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

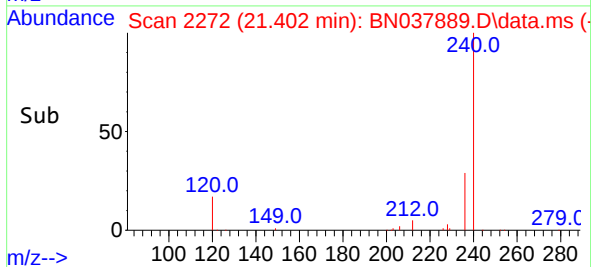
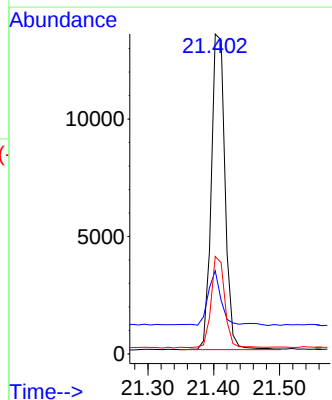
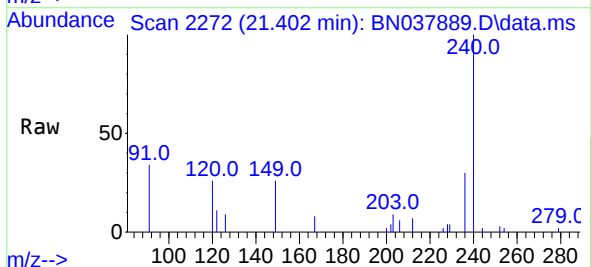
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

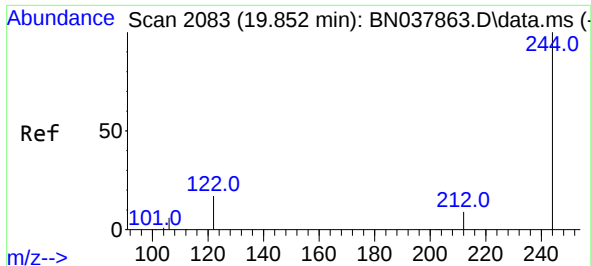
Tgt Ion:202 Resp: 1721
Ion Ratio Lower Upper
202 100
101 25.9 9.3 13.9#
203 19.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

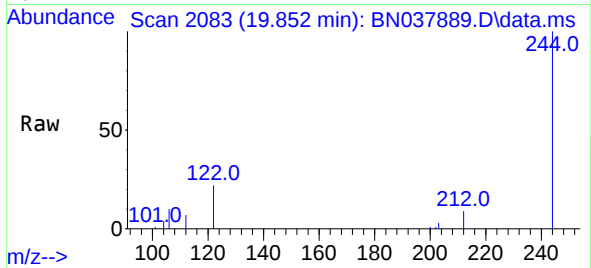
Tgt Ion:240 Resp: 19605
Ion Ratio Lower Upper
240 100
120 26.0 11.4 17.2#
236 30.5 23.0 34.6



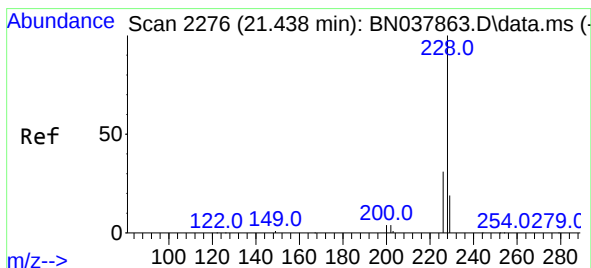
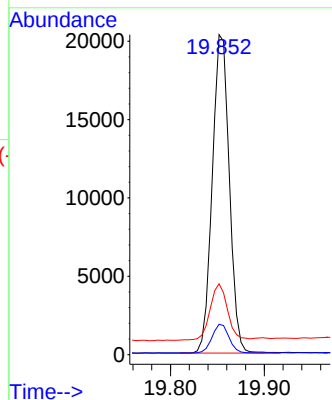


#31
Terphenyl-d14
Concen: 0.656 ng
RT: 19.852 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20250918

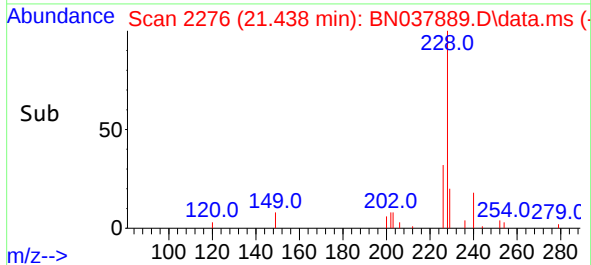
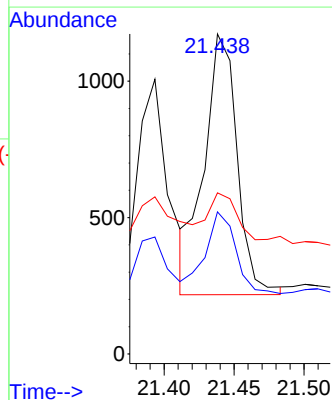
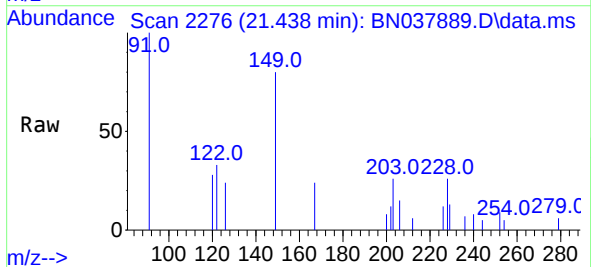


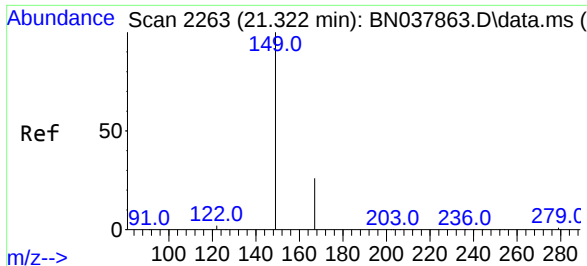
Tgt Ion:244 Resp: 25619
Ion Ratio Lower Upper
244 100
212 9.5 7.6 11.4
122 22.2 13.9 20.9#



#33
Chrysene
Concen: 0.021 ng
RT: 21.438 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BN037889.D
Acq: 25 Sep 2025 15:11

Tgt Ion:228 Resp: 1573
Ion Ratio Lower Upper
228 100
226 44.4 24.6 37.0#
229 50.4 15.6 23.4#

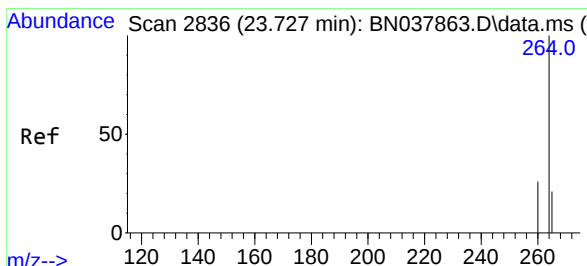
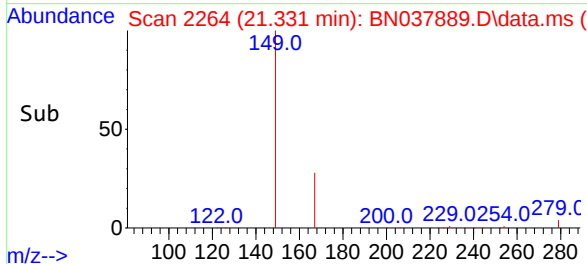
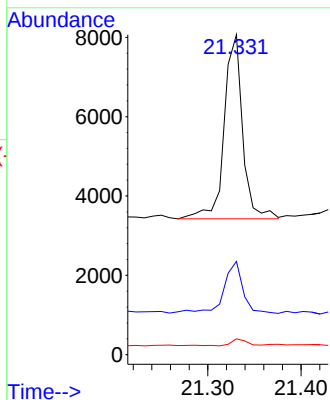
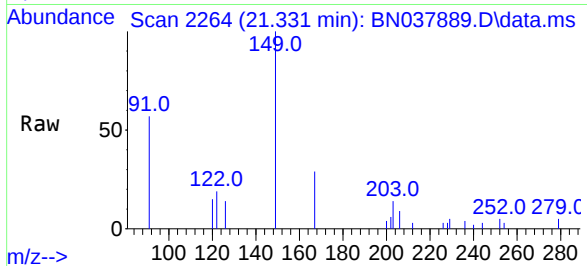




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.236 ng
 RT: 21.331 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN037889.D
 Acq: 25 Sep 2025 15:11

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20250918

Tgt Ion:149 Resp: 6385
 Ion Ratio Lower Upper
 149 100
 167 28.7 20.4 30.6
 279 2.9 2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.736 min Scan# 2839
 Delta R.T. 0.009 min
 Lab File: BN037889.D
 Acq: 25 Sep 2025 15:11

Tgt Ion:264 Resp: 19091
 Ion Ratio Lower Upper
 264 100
 260 27.3 21.5 32.3
 265 58.8 53.8 80.6

