

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051925\
 Data File : BN037051.D
 Acq On : 19 May 2025 18:40
 Operator : RC/JU
 Sample : Q2050-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-182-EB-20250514

Quant Time: May 19 23:46:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

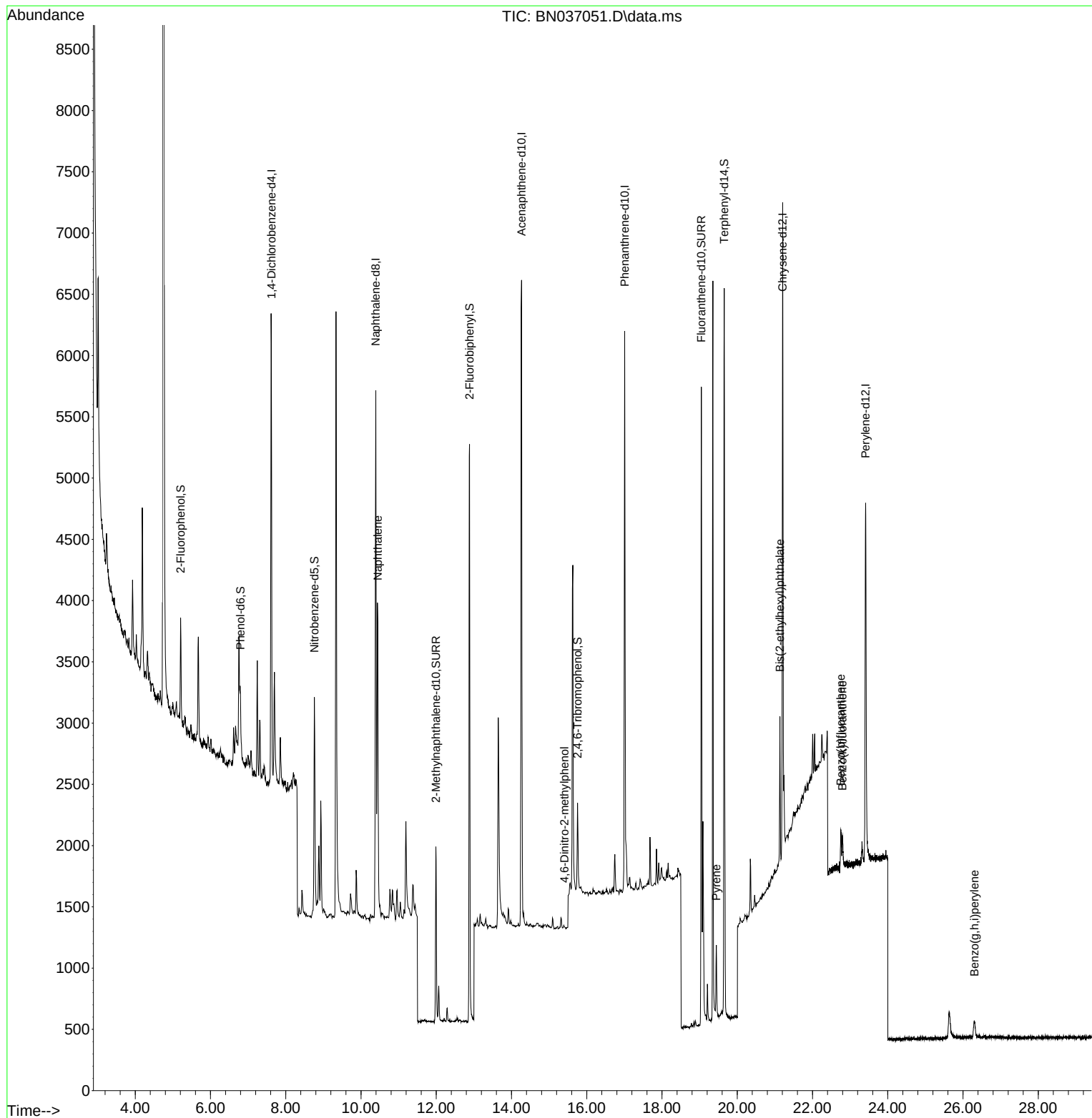
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1904	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	5247	0.400	ng	-0.01
13) Acenaphthene-d10	14.267	164	3115	0.400	ng	0.00
19) Phenanthrene-d10	17.009	188	6080	0.400	ng	# 0.00
29) Chrysene-d12	21.207	240	4710	0.400	ng	# 0.00
35) Perylene-d12	23.412	264	4050	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	610	0.122	ng	0.00
5) Phenol-d6	6.795	99	423	0.068	ng	0.00
8) Nitrobenzene-d5	8.760	82	1584	0.277	ng	-0.01
11) 2-Methylnaphthalene-d10	11.991	152	2004	0.271	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	401	0.293	ng	-0.01
15) 2-Fluorobiphenyl	12.883	172	4799	0.336	ng	0.00
27) Fluoranthene-d10	19.045	212	5969	0.358	ng	0.00
31) Terphenyl-d14	19.653	244	5421	0.538	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.447	128	772	0.050	ng	# 83
20) 4,6-Dinitro-2-methylph...	15.411	198	2	0.025	ng	# 1
30) Pyrene	19.444	202	426	0.021	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.135	149	1025	0.094	ng	# 95
37) Benzo(b)fluoranthene	22.752	252	402	0.024	ng	# 1
38) Benzo(k)fluoranthene	22.796	252	336	0.020	ng	# 1
41) Benzo(g,h,i)perylene	26.304	276	284	0.020	ng	# 39

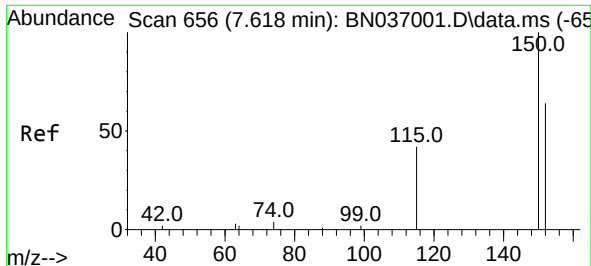
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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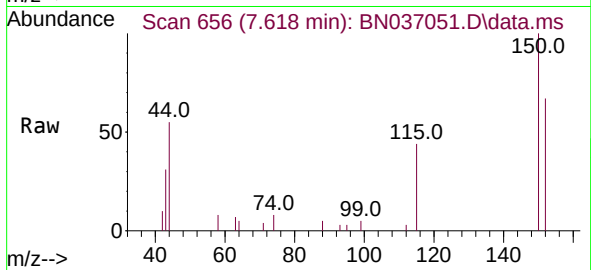
Quant Time: May 19 23:46:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
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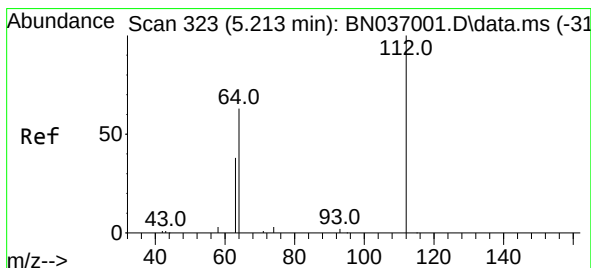
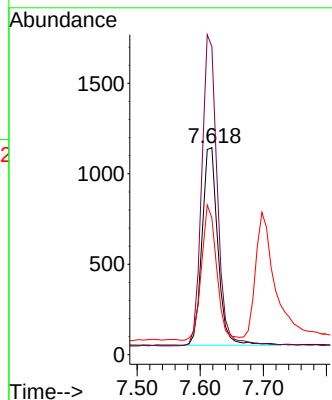
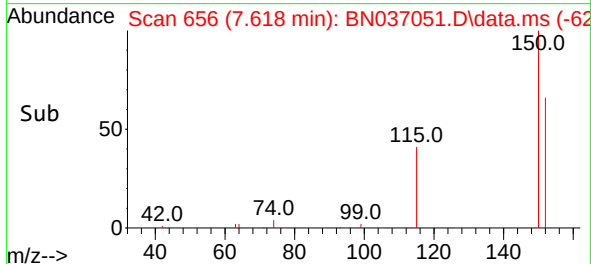


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.618 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

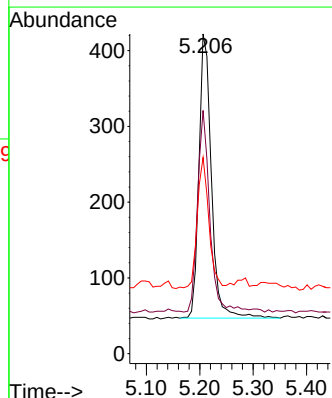
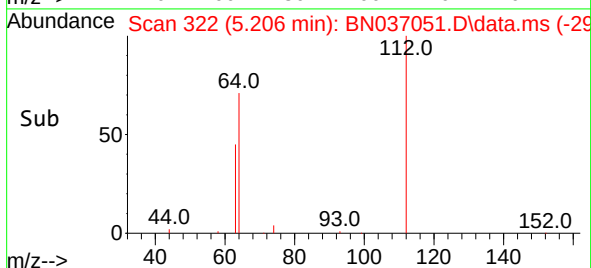
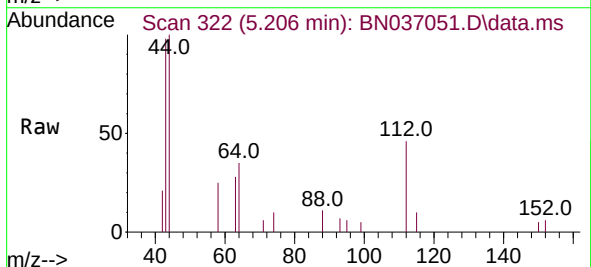


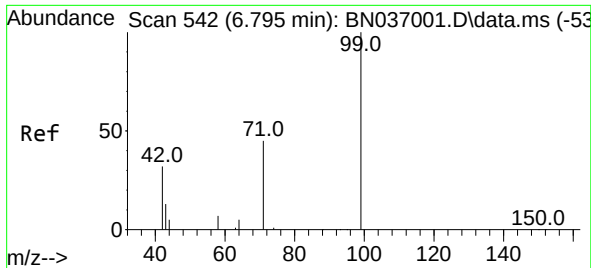
Tgt Ion:152 Resp: 1904
Ion Ratio Lower Upper
152 100
150 148.7 123.9 185.9
115 65.9 55.8 83.8



#4
2-Fluorophenol
Concen: 0.122 ng
RT: 5.206 min Scan# 322
Delta R.T. -0.007 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion:112 Resp: 610
Ion Ratio Lower Upper
112 100
64 69.7 55.7 83.5
63 44.8 34.6 51.8

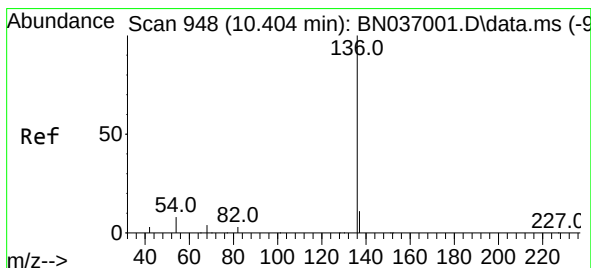
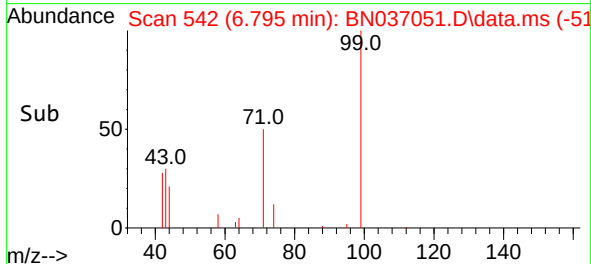
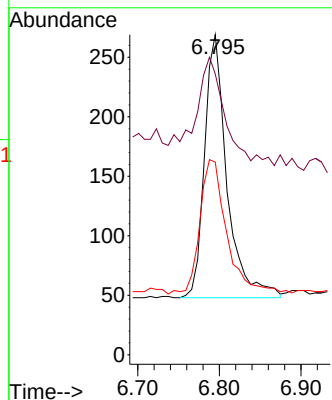
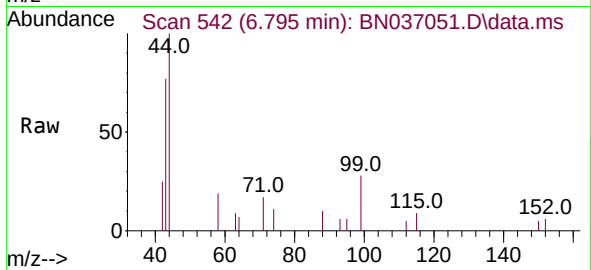




#5
Phenol-d6
Concen: 0.068 ng
RT: 6.795 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

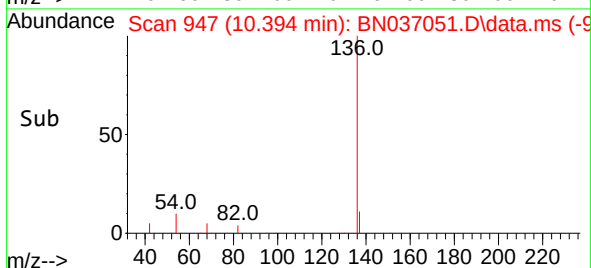
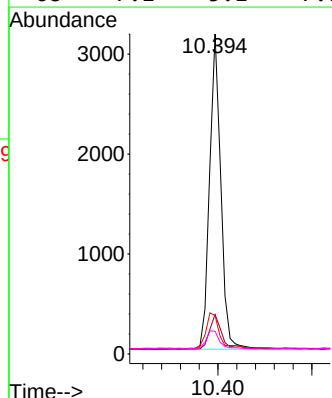
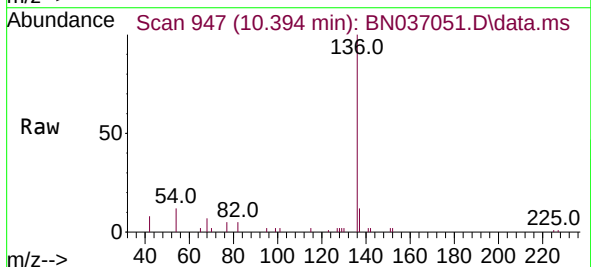
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

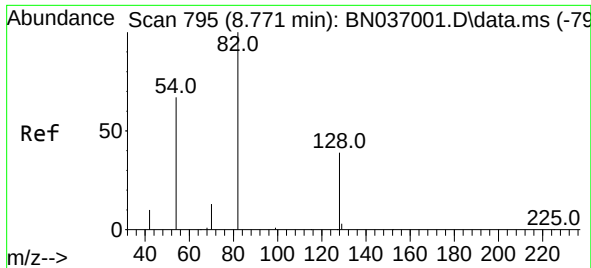
Tgt Ion: 99 Resp: 423
Ion Ratio Lower Upper
99 100
42 56.7 29.3 43.9#
71 61.7 35.7 53.5#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion: 136 Resp: 5247
Ion Ratio Lower Upper
136 100
137 12.3 10.4 15.6
54 12.0 8.5 12.7
68 7.1 5.1 7.7

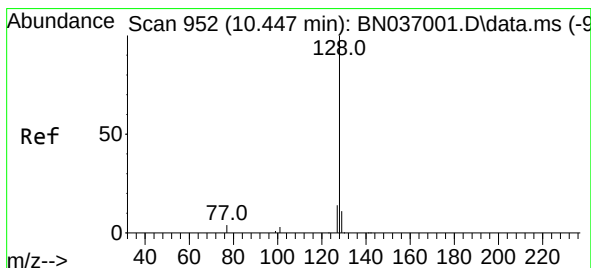
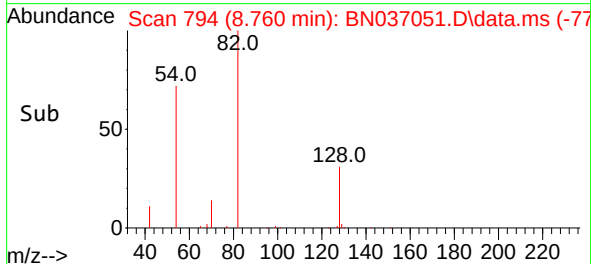
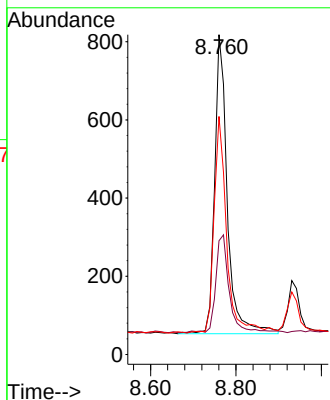
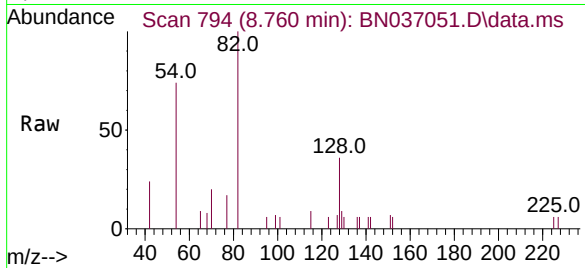




#8
 Nitrobenzene-d5
 Concen: 0.277 ng
 RT: 8.760 min Scan# 795
 Delta R.T. -0.011 min
 Lab File: BN037051.D
 Acq: 19 May 2025 18:40

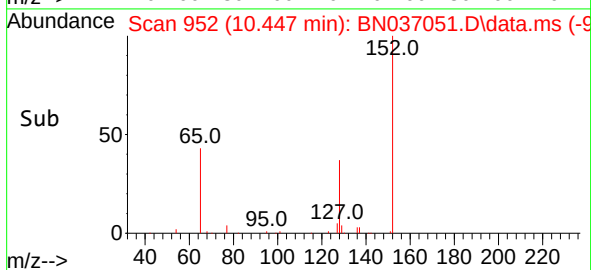
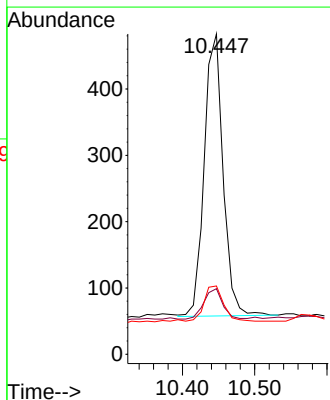
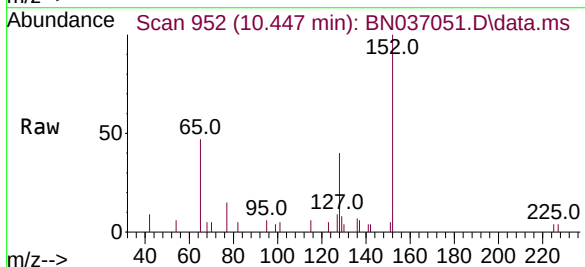
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-182-EB-20250514

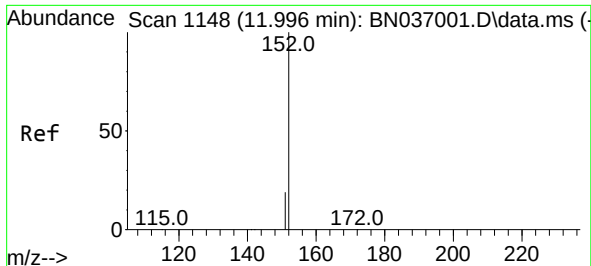
Tgt Ion:	82	Resp:	1584
Ion	Ratio	Lower	Upper
82	100		
128	35.6	34.0	51.0
54	74.4	55.0	82.4



#9
 Naphthalene
 Concen: 0.050 ng
 RT: 10.447 min Scan# 952
 Delta R.T. 0.000 min
 Lab File: BN037051.D
 Acq: 19 May 2025 18:40

Tgt Ion:	128	Resp:	772
Ion	Ratio	Lower	Upper
128	100		
129	20.5	9.7	14.5#
127	21.3	12.4	18.6#

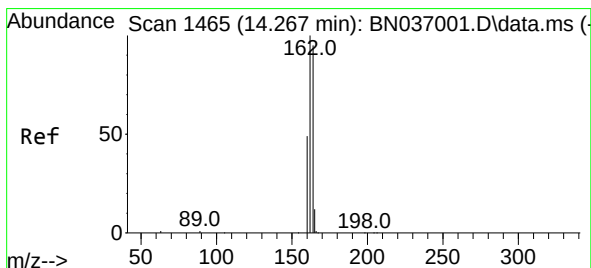
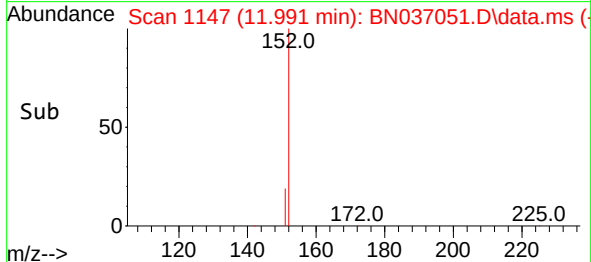
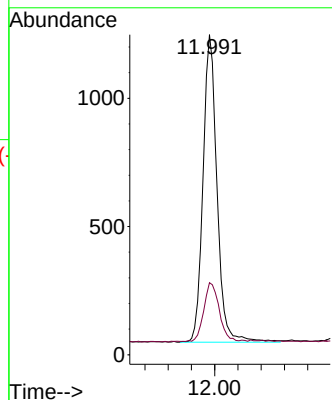
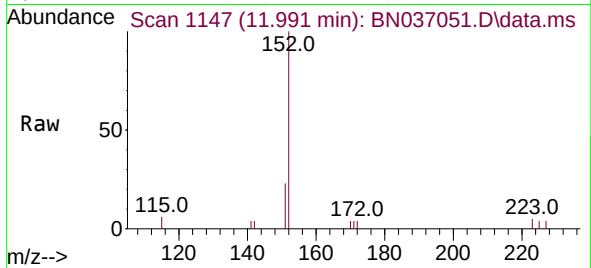




#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 11.991 min Scan# 1147
Delta R.T. -0.005 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

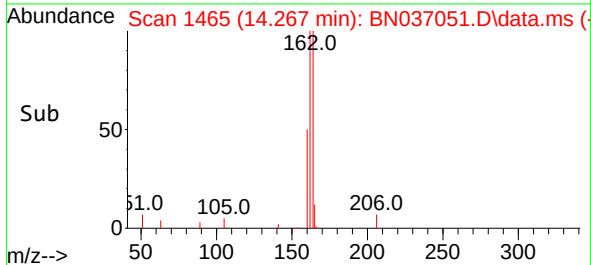
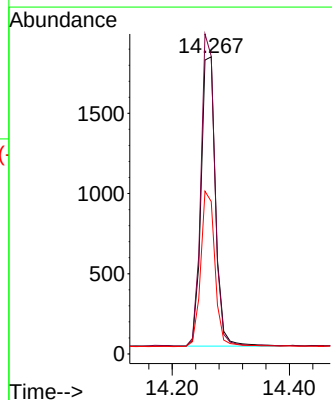
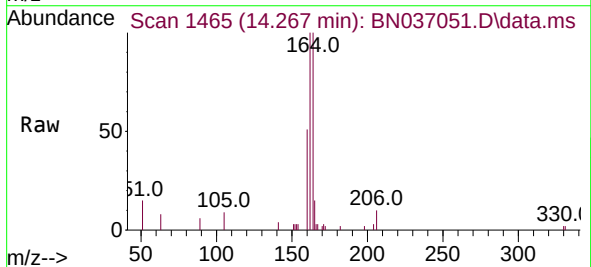
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

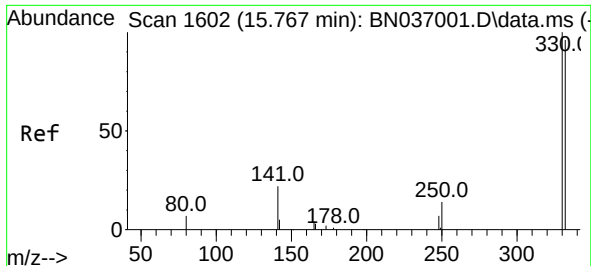
Tgt Ion:152 Resp: 2004
Ion Ratio Lower Upper
152 100
151 20.9 17.5 26.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.267 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

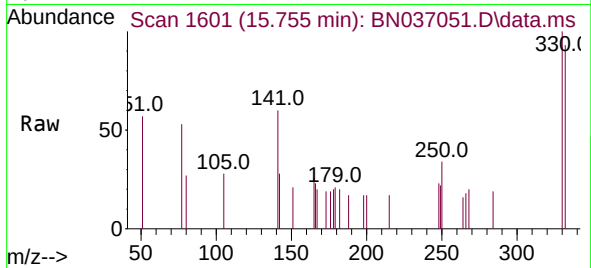
Tgt Ion:164 Resp: 3115
Ion Ratio Lower Upper
164 100
162 100.2 84.2 126.4
160 51.3 42.6 63.8



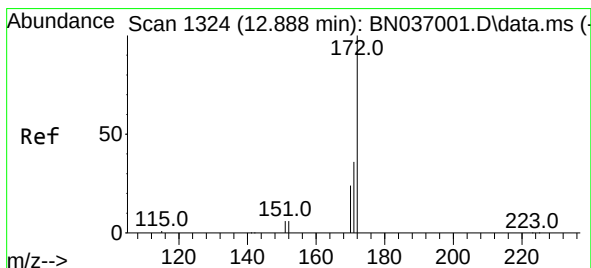
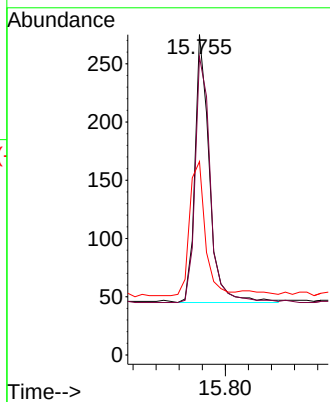
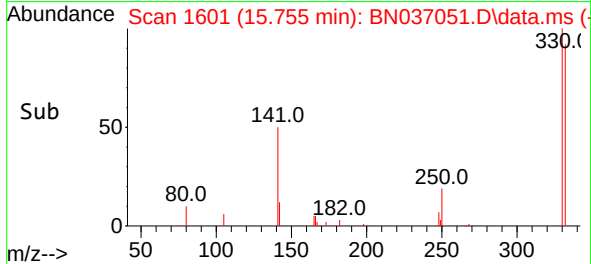


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.755 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

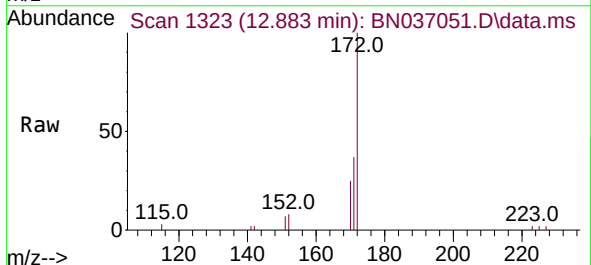
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514



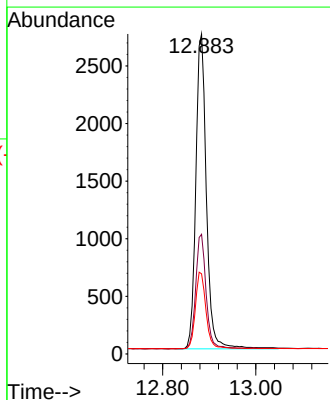
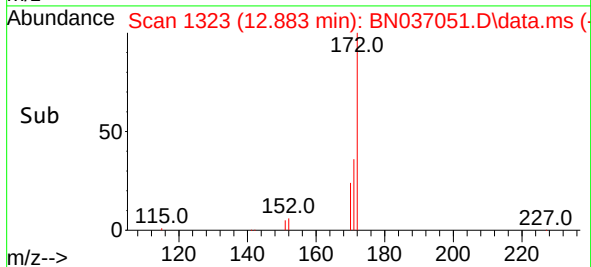
Tgt Ion:330 Resp: 401
Ion Ratio Lower Upper
330 100
332 97.8 73.8 110.8
141 54.1 43.9 65.9

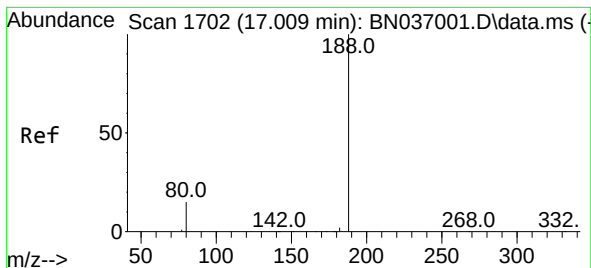


#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.883 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40



Tgt Ion:172 Resp: 4799
Ion Ratio Lower Upper
172 100
171 37.4 29.2 43.8
170 25.1 20.5 30.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037051.D

Acq: 19 May 2025 18:40

Instrument :

BNA_N

ClientSampleId :

BP-VPB-182-EB-20250514

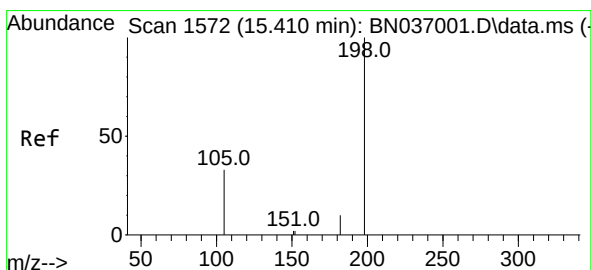
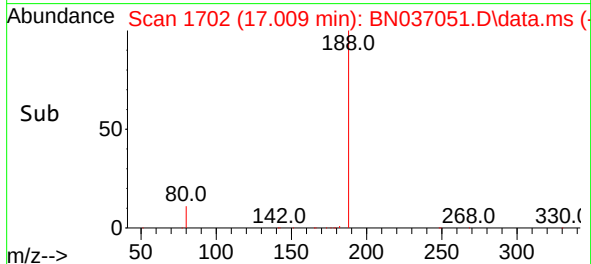
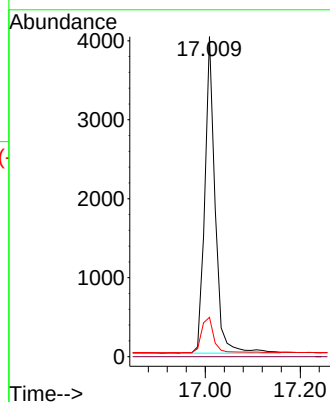
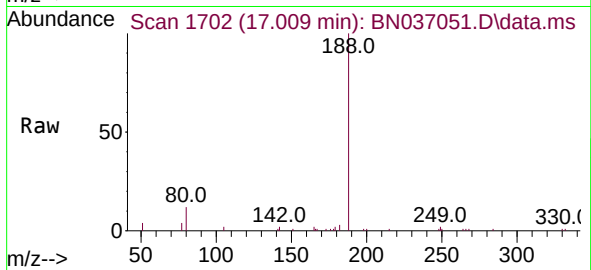
Tgt Ion:188 Resp: 6080

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.3 13.4 20.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.025 ng

RT: 15.411 min Scan# 1572

Delta R.T. 0.001 min

Lab File: BN037051.D

Acq: 19 May 2025 18:40

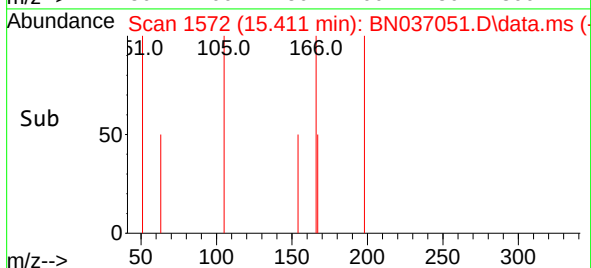
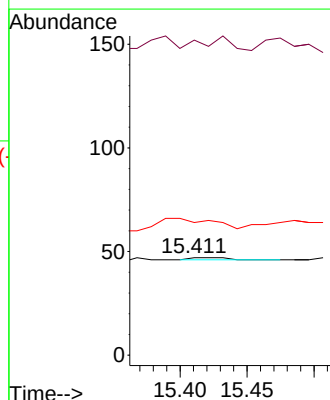
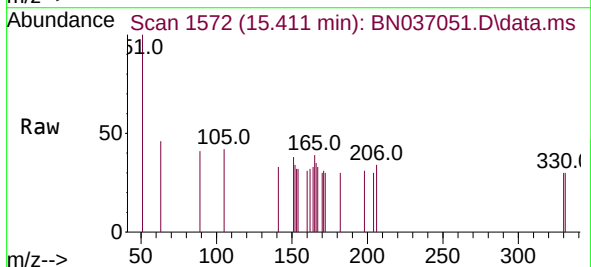
Tgt Ion:198 Resp: 2

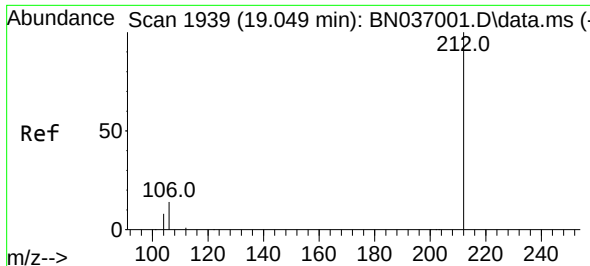
Ion Ratio Lower Upper

198 100

51 323.4 87.8 131.6#

105 136.2 44.2 66.4#

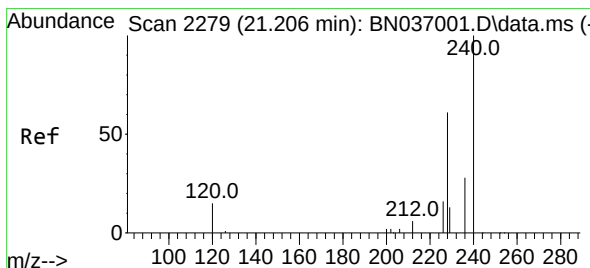
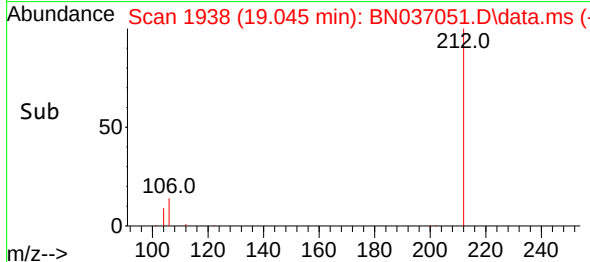
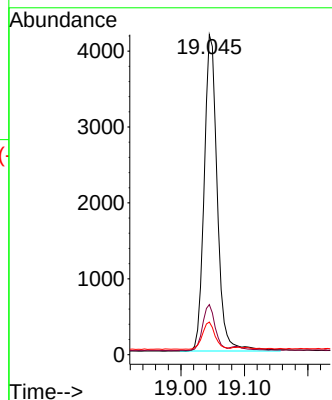
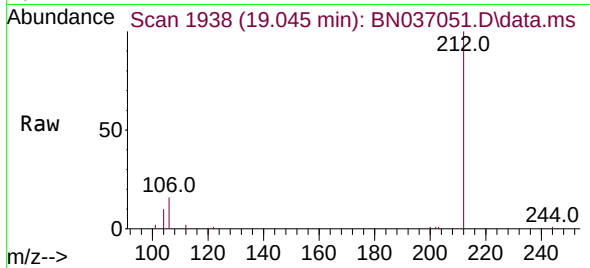




#27
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.045 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

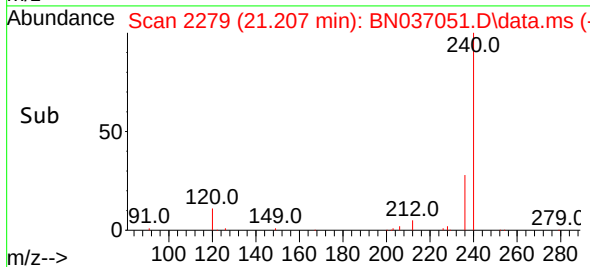
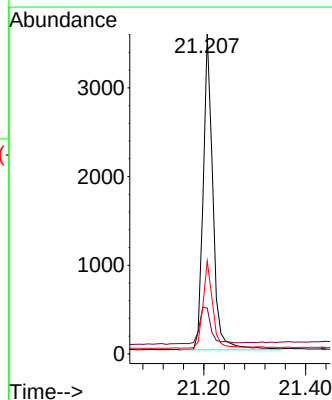
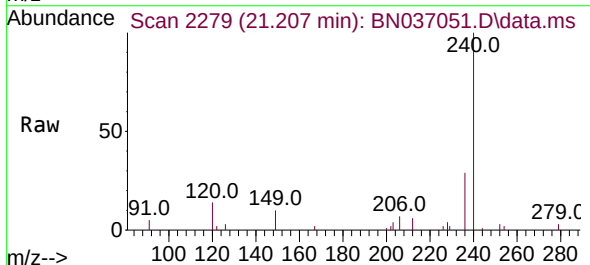
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

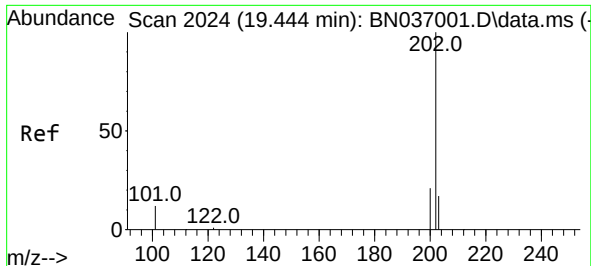
Tgt Ion:212 Resp: 5969
Ion Ratio Lower Upper
212 100
106 13.9 11.3 16.9
104 8.4 6.7 10.1



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.207 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion:240 Resp: 4710
Ion Ratio Lower Upper
240 100
120 14.3 15.1 22.7#
236 29.1 24.0 36.0

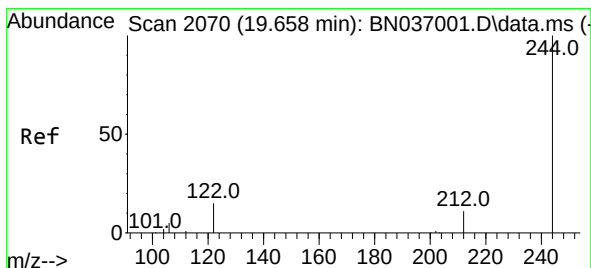
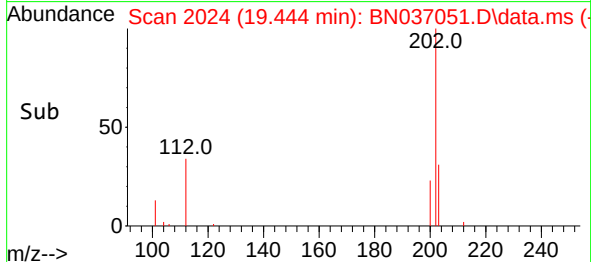
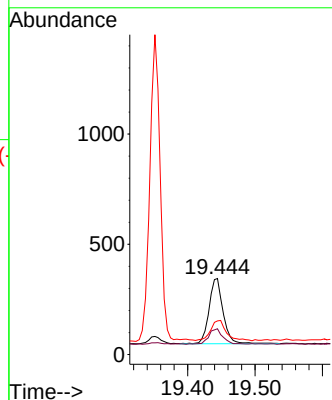
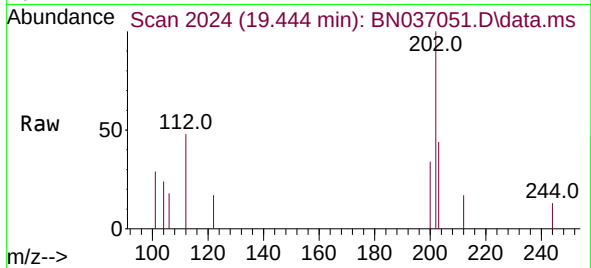




#30
Pyrene
Concen: 0.021 ng
RT: 19.444 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

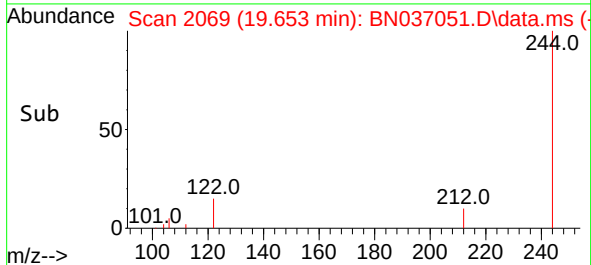
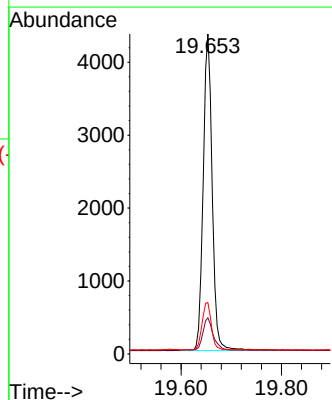
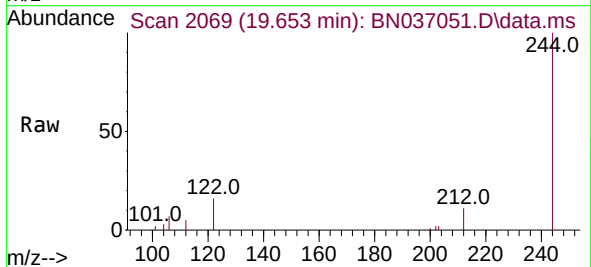
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

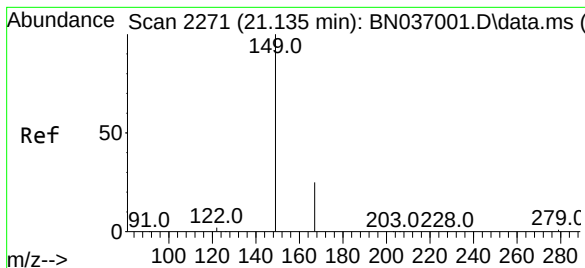
Tgt Ion:202 Resp: 426
Ion Ratio Lower Upper
202 100
200 23.9 17.1 25.7
203 35.0 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.538 ng
RT: 19.653 min Scan# 2069
Delta R.T. -0.005 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion:244 Resp: 5421
Ion Ratio Lower Upper
244 100
212 11.3 9.7 14.5
122 16.1 13.4 20.0

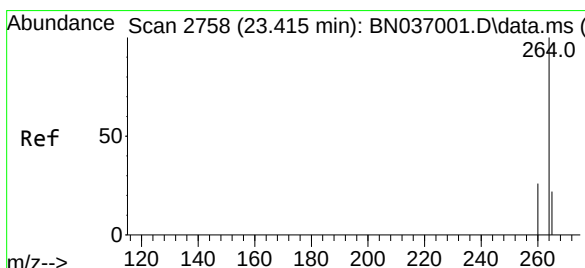
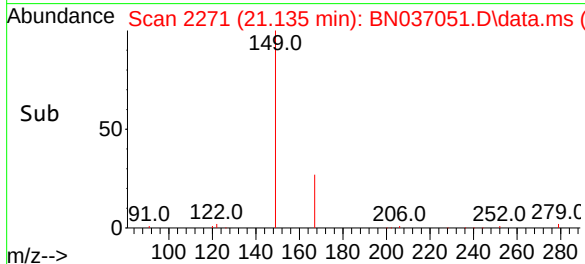
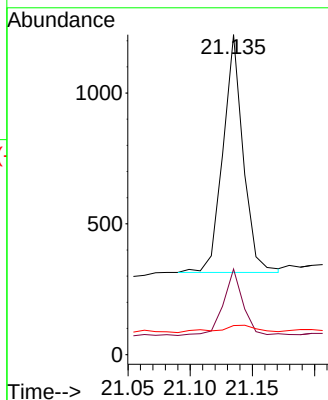
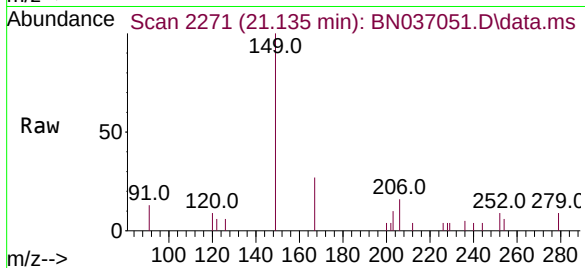




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.094 ng
RT: 21.135 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

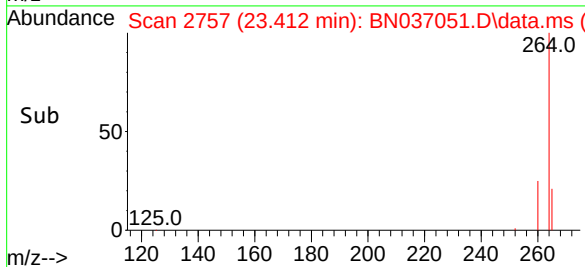
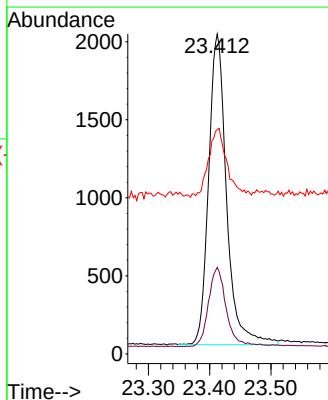
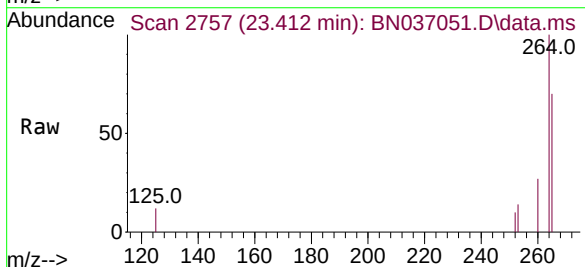
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

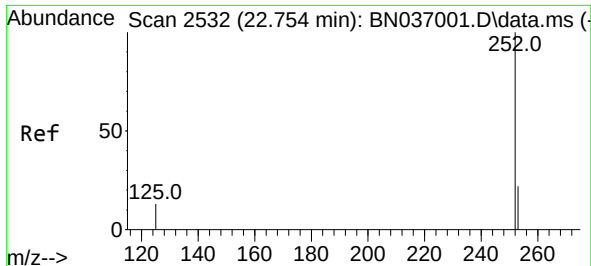
Tgt Ion:149 Resp: 1025
Ion Ratio Lower Upper
149 100
167 27.7 20.6 30.8
279 6.1 2.6 3.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.412 min Scan# 2757
Delta R.T. -0.003 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion:264 Resp: 4050
Ion Ratio Lower Upper
264 100
260 27.0 21.9 32.9
265 70.1 51.6 77.4

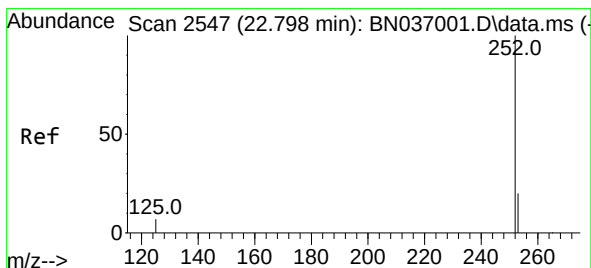
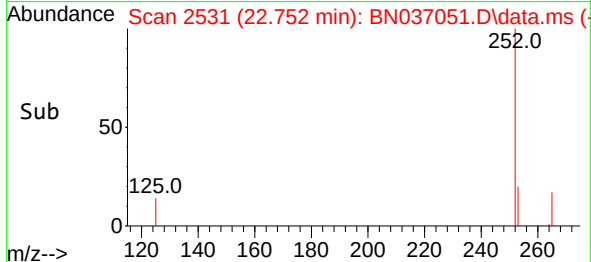
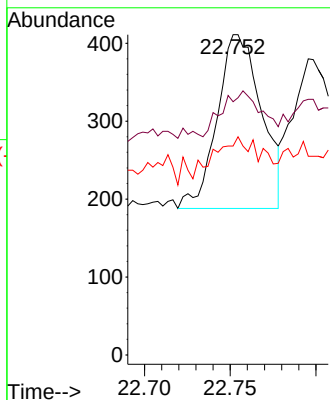
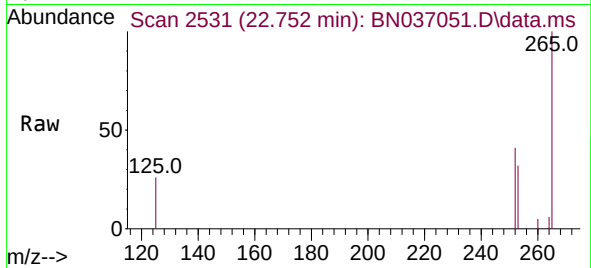




#37
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.752 min Scan# 2532
Delta R.T. -0.003 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

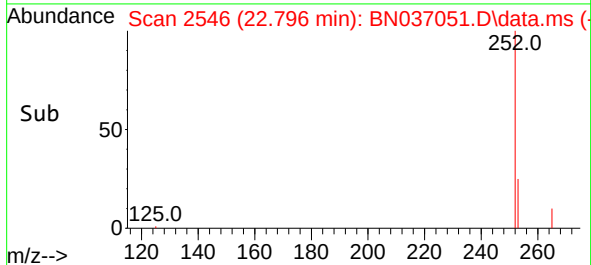
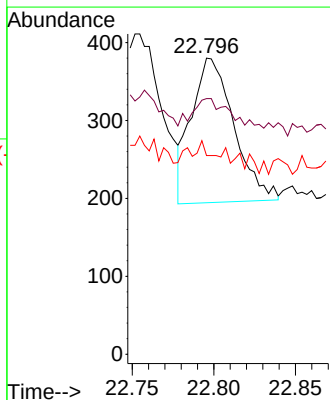
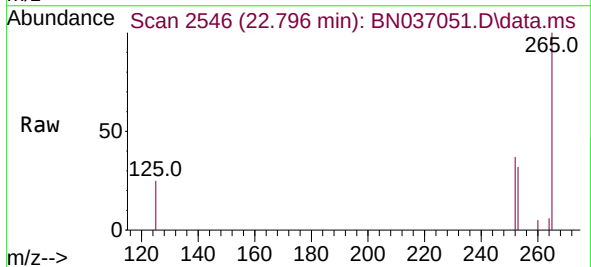
Instrument :
BNA_N
ClientSampleId :
BP-VPB-182-EB-20250514

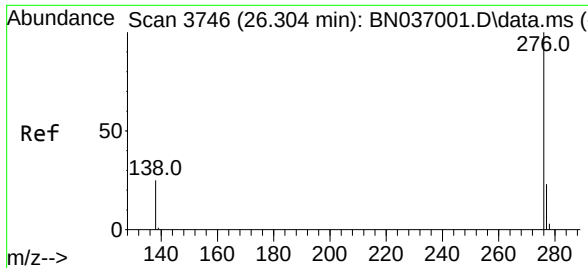
Tgt Ion:252 Resp: 402
Ion Ratio Lower Upper
252 100
253 79.1 21.8 32.6#
125 65.2 14.6 21.8#



#38
Benzo(k)fluoranthene
Concen: 0.020 ng
RT: 22.796 min Scan# 2546
Delta R.T. -0.003 min
Lab File: BN037051.D
Acq: 19 May 2025 18:40

Tgt Ion:252 Resp: 336
Ion Ratio Lower Upper
252 100
253 86.3 21.4 32.2#
125 67.1 13.0 19.4#





#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 26.304 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN037051.D

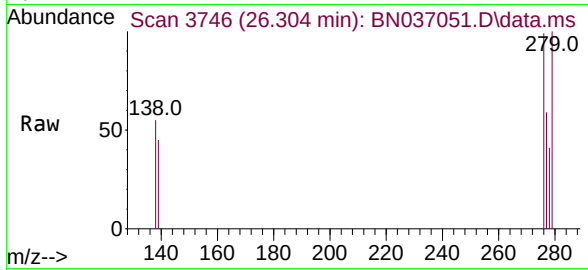
Acq: 19 May 2025 18:40

Instrument :

BNA_N

ClientSampleId :

BP-VPB-182-EB-20250514



Tgt Ion:276 Resp: 284

Ion Ratio Lower Upper

276 100

277 60.3 20.2 30.4#

138 55.3 22.0 33.0#

