

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
 Data File : BN037020.D
 Acq On : 14 May 2025 19:48
 Operator : RC/JU
 Sample : Q2013-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-TT192D1-GW-20250509

Quant Time: May 15 01:25:34 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

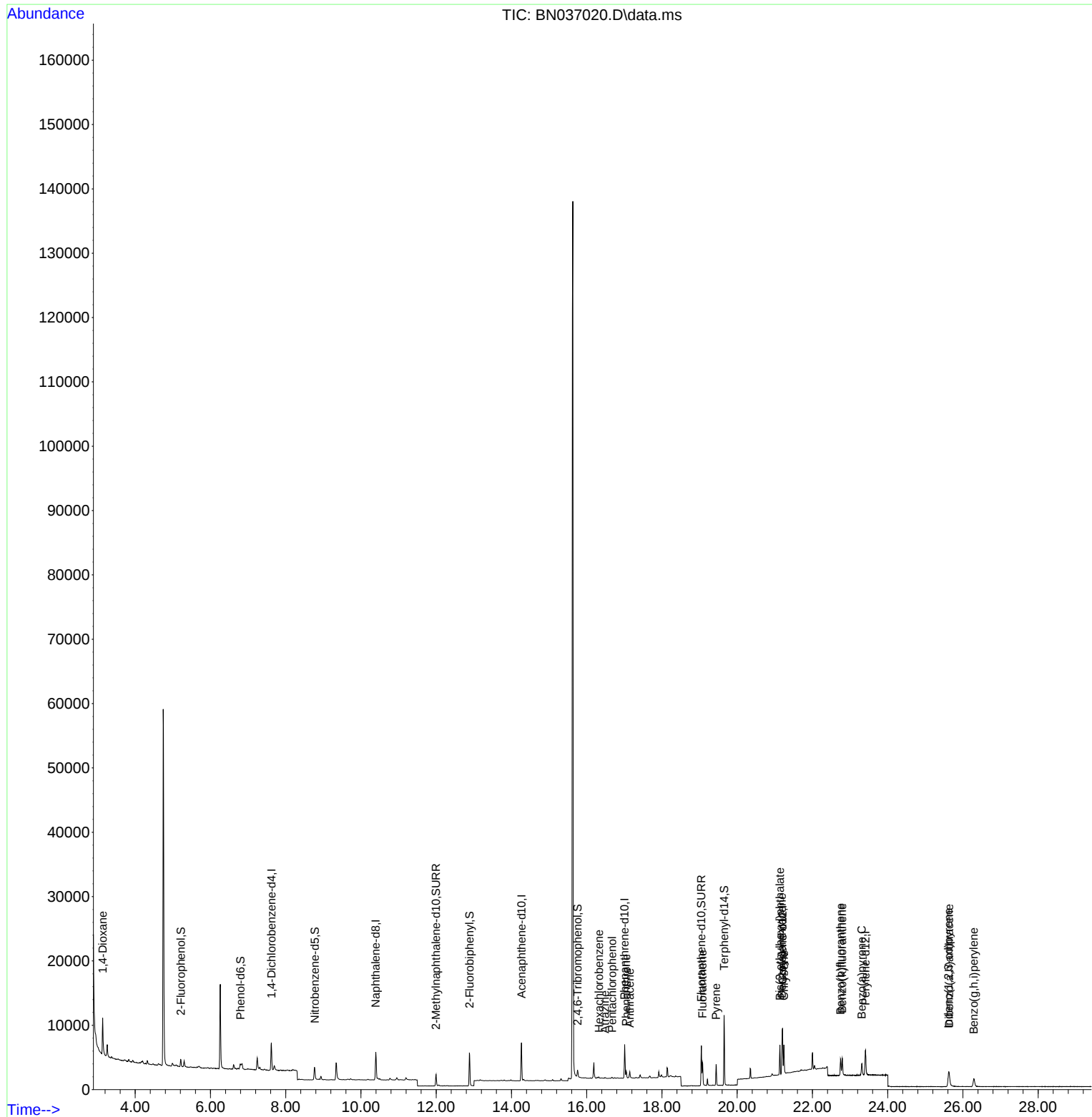
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	2077	0.40	ng	0.00
7) Naphthalene-d8	10.393	136	5596	0.40	ng	#-0.01
13) Acenaphthene-d10	14.266	164	3313	0.40	ng	0.00
19) Phenanthrene-d10	17.008	188	6611	0.40	ng	0.00
29) Chrysene-d12	21.206	240	5758	0.40	ng	# 0.00
35) Perylene-d12	23.409	264	5194	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	834	0.15	ng	0.00
5) Phenol-d6	6.795	99	648	0.10	ng	0.00
8) Nitrobenzene-d5	8.771	82	1812	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.996	152	2499	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	579	0.40	ng	-0.01
15) 2-Fluorobiphenyl	12.883	172	4647	0.31	ng	0.00
27) Fluoranthene-d10	19.049	212	6795	0.37	ng	0.00
31) Terphenyl-d14	19.653	244	9998	0.81	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.133	88	3106	1.22	ng	# 87
22) Hexachlorobenzene	16.326	284	152	0.03	ng	95
23) Atrazine	16.487	200	77	0.02	ng	# 63
24) Pentachlorophenol	16.673	266	92	0.04	ng	# 84
25) Phenanthrene	17.046	178	1197	0.06	ng	98
26) Anthracene	17.145	178	1144	0.06	ng	97
28) Fluoranthene	19.077	202	2712	0.11	ng	# 83
30) Pyrene	19.439	202	2894	0.12	ng	99
32) Benzo(a)anthracene	21.188	228	3273	0.15	ng	98
33) Chrysene	21.242	228	3715	0.16	ng	98
34) Bis(2-ethylhexyl)phtha...	21.135	149	4127	0.31	ng	100
36) Indeno(1,2,3-cd)pyrene	25.617	276	2975	0.14	ng	96
37) Benzo(b)fluoranthene	22.746	252	3163	0.15	ng	# 82
38) Benzo(k)fluoranthene	22.792	252	3248	0.15	ng	# 81
39) Benzo(a)pyrene	23.313	252	2647	0.14	ng	# 81
40) Dibenzo(a,h)anthracene	25.631	278	2355	0.14	ng	# 86
41) Benzo(g,h,i)perylene	26.289	276	2465	0.14	ng	93

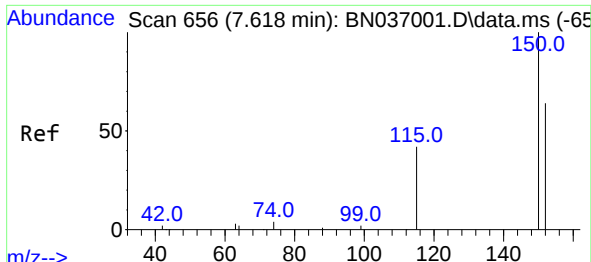
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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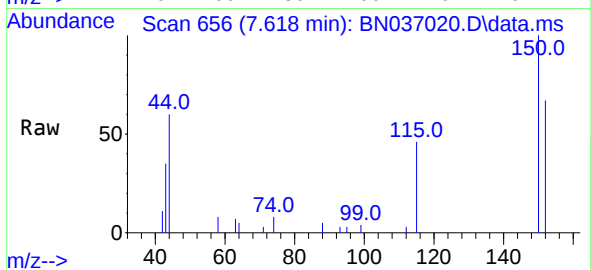
Quant Time: May 15 01:25:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
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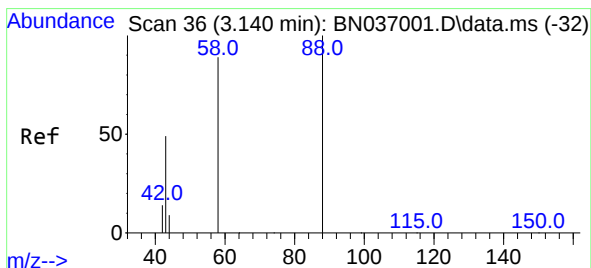
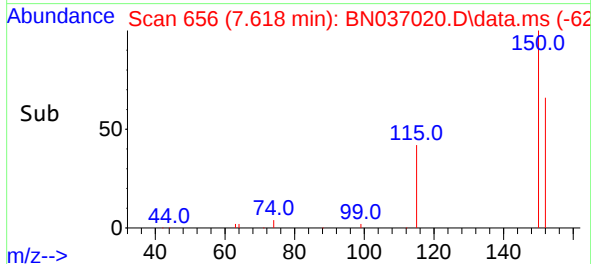
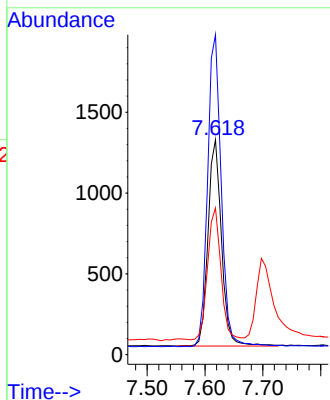


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.618 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

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ClientSampleId :
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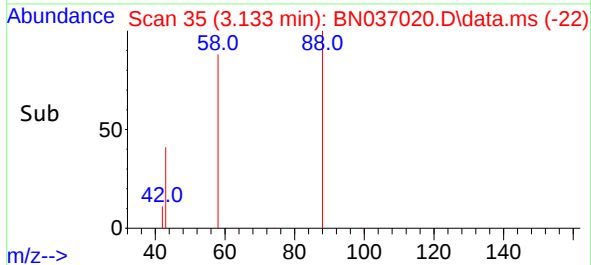
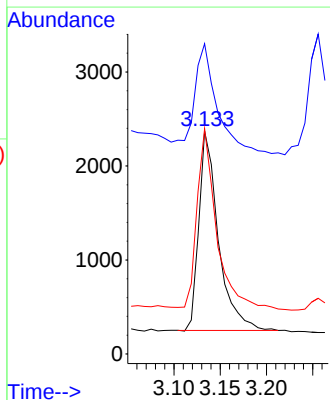
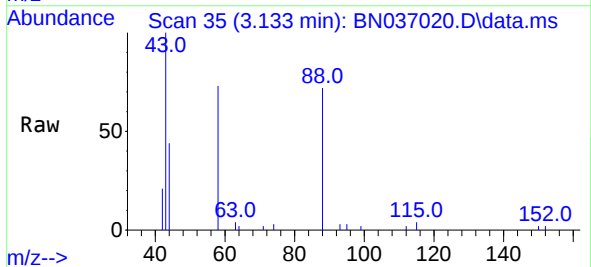


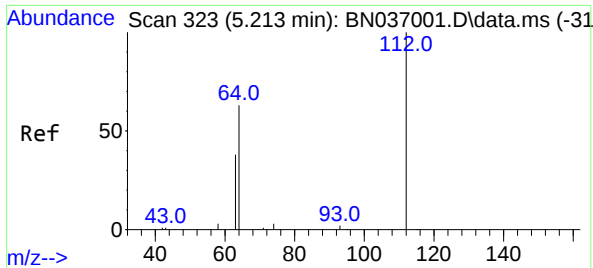
Tgt Ion:152 Resp: 2077
Ion Ratio Lower Upper
152 100
150 148.8 123.9 185.9
115 68.2 55.8 83.8



#2
1,4-Dioxane
Concen: 1.22 ng
RT: 3.133 min Scan# 35
Delta R.T. -0.007 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion: 88 Resp: 3106
Ion Ratio Lower Upper
88 100
43 65.4 37.4 56.0#
58 90.5 68.8 103.2

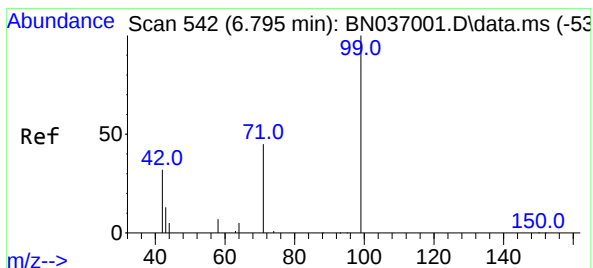
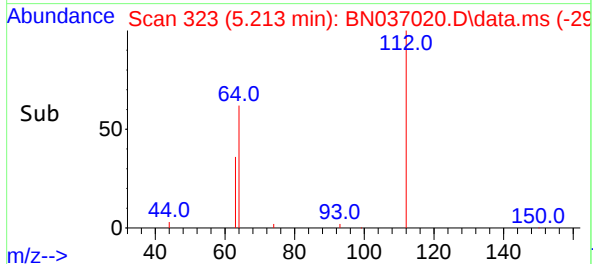
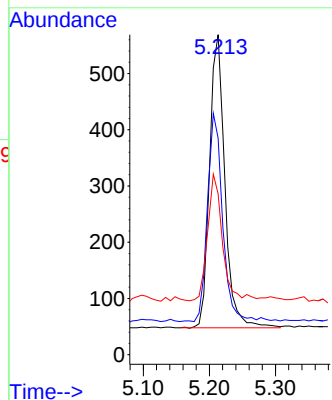
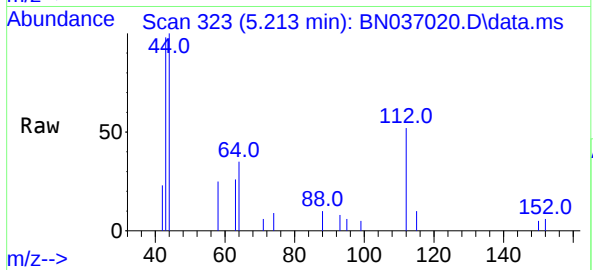




#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.213 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

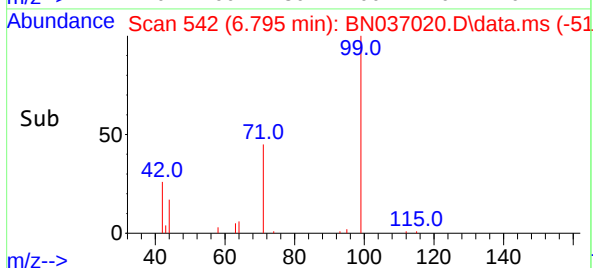
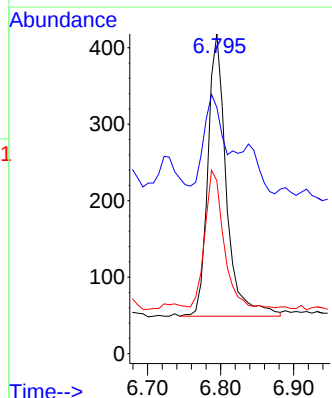
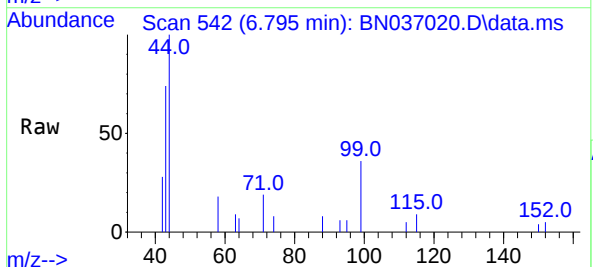
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ClientSampleId :
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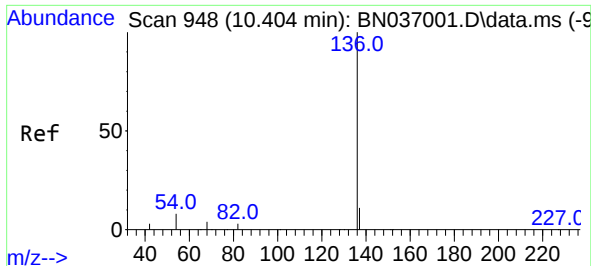
Tgt Ion:112 Resp: 834
Ion Ratio Lower Upper
112 100
64 69.7 55.7 83.5
63 41.8 34.6 51.8



#5
Phenol-d6
Concen: 0.10 ng
RT: 6.795 min Scan# 542
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion: 99 Resp: 648
Ion Ratio Lower Upper
99 100
42 36.9 29.3 43.9
71 49.8 35.7 53.5

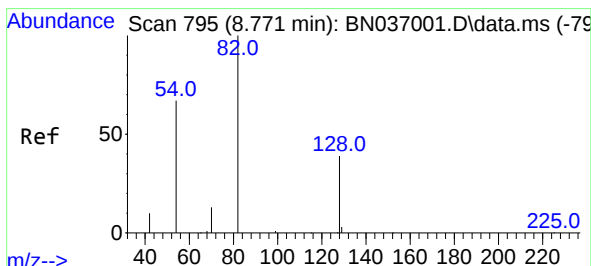
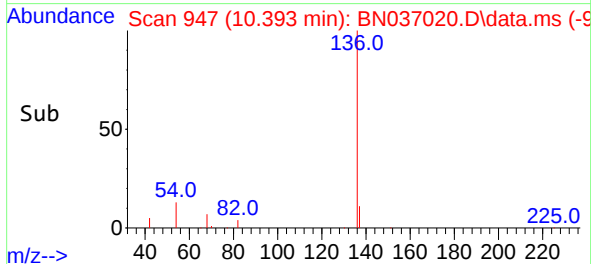
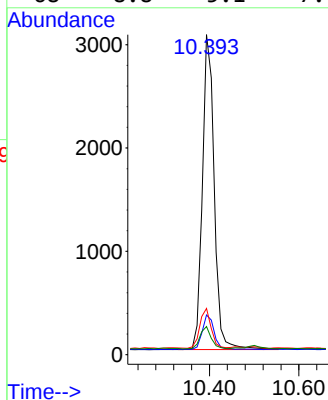
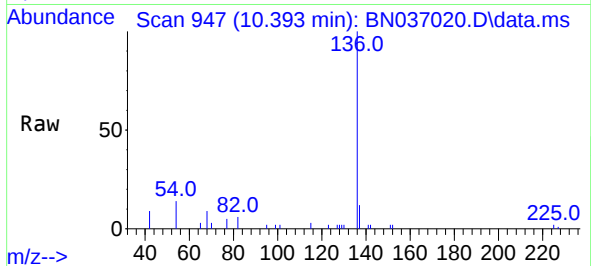




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.393 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

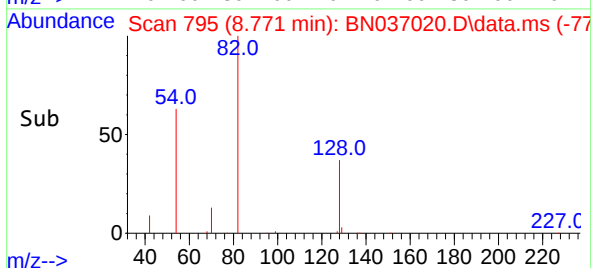
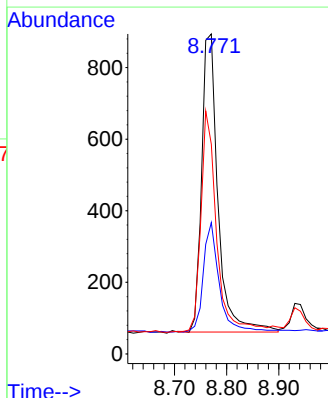
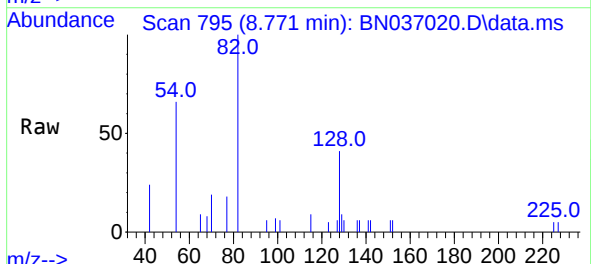
Instrument :
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ClientSampleId :
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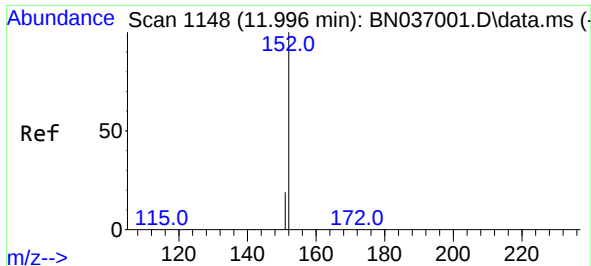
Tgt Ion:	136	Resp:	5596
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.4	15.6
54	14.5	8.5	12.7#
68	8.8	5.1	7.7#



#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.771 min Scan# 795
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:	82	Resp:	1812
Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	65.5	55.0	82.4

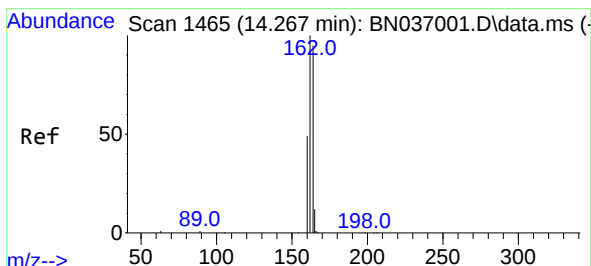
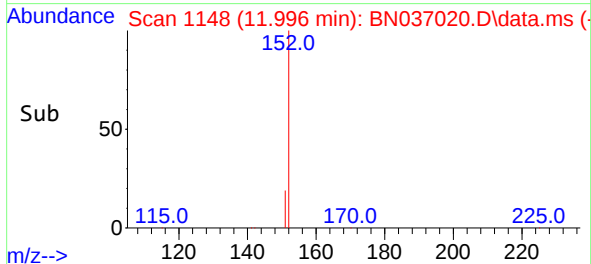
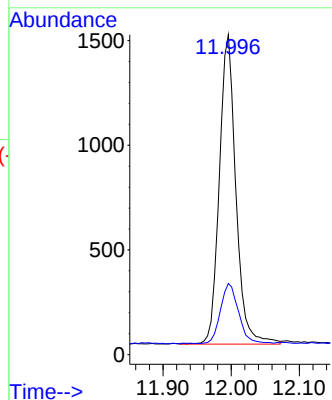
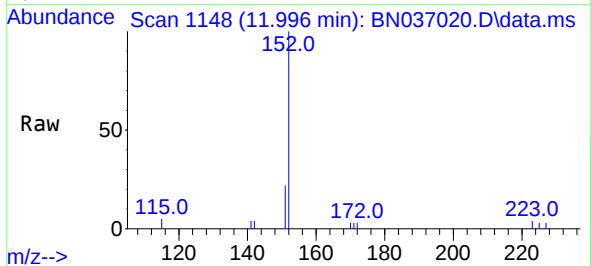




#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 11.996 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

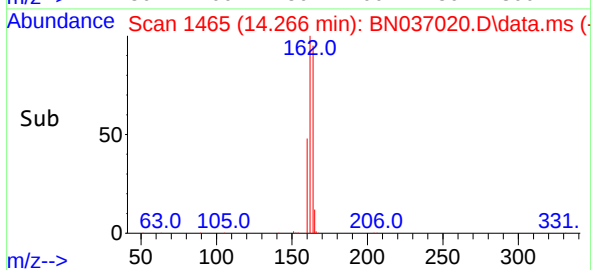
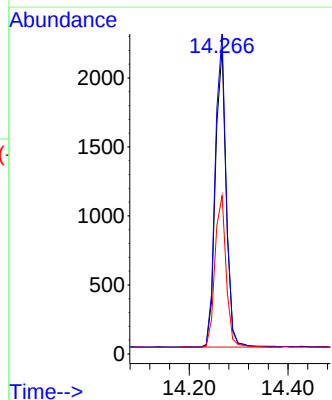
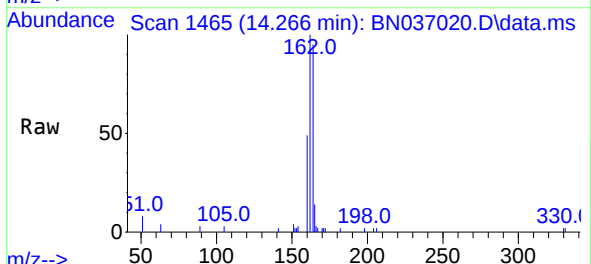
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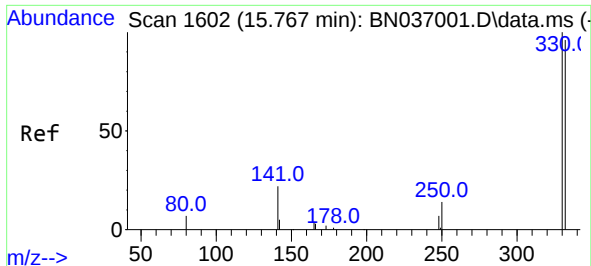
Tgt Ion:152 Resp: 2499
Ion Ratio Lower Upper
152 100
151 21.1 17.5 26.3



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.266 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:164 Resp: 3313
Ion Ratio Lower Upper
164 100
162 104.8 84.2 126.4
160 51.8 42.6 63.8

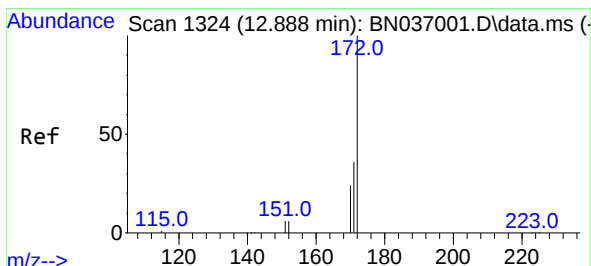
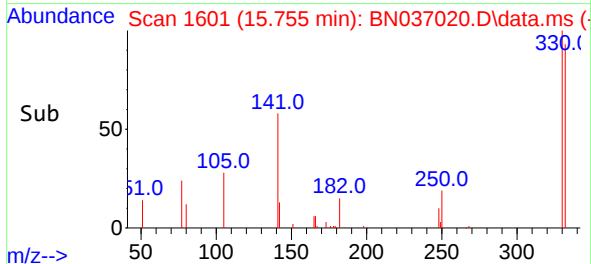
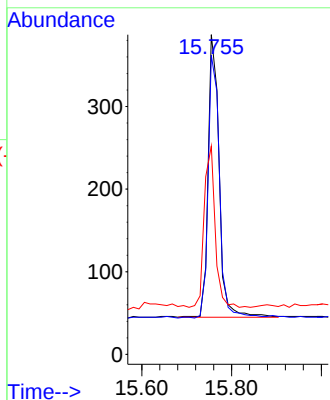
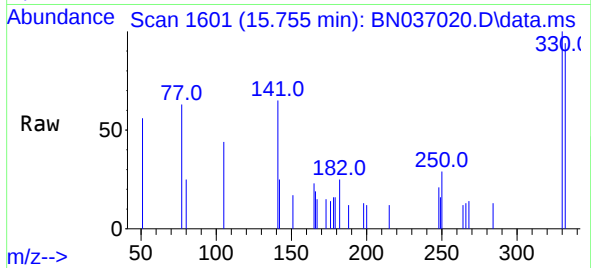




#14
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 15.755 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

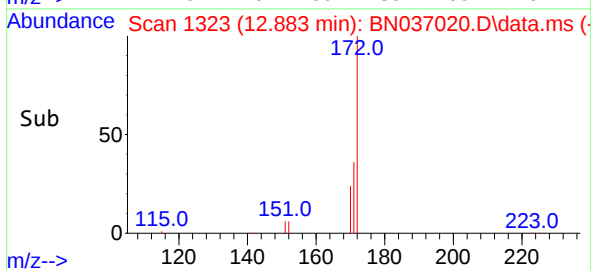
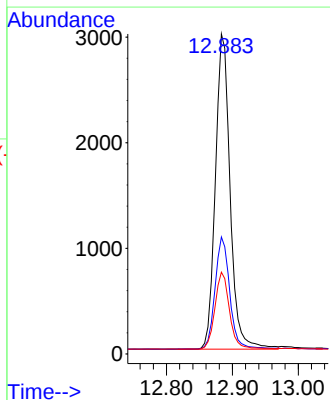
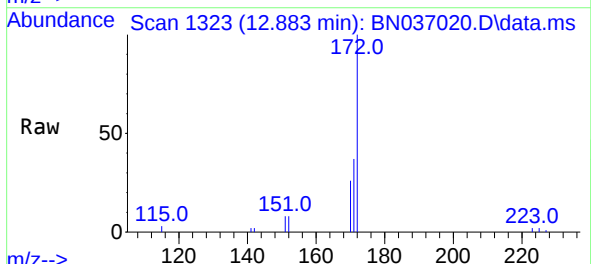
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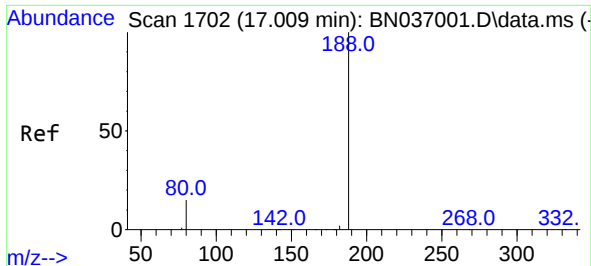
Tgt Ion:330 Resp: 579
Ion Ratio Lower Upper
330 100
332 96.5 73.8 110.8
141 57.2 43.9 65.9



#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 12.883 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:172 Resp: 4647
Ion Ratio Lower Upper
172 100
171 36.6 29.2 43.8
170 25.6 20.5 30.7

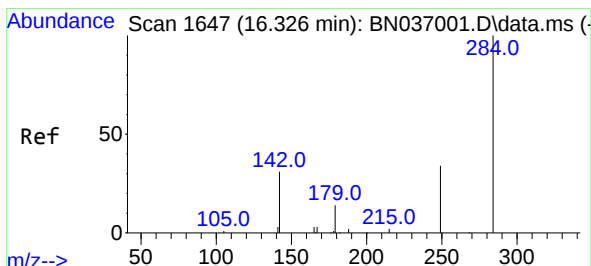
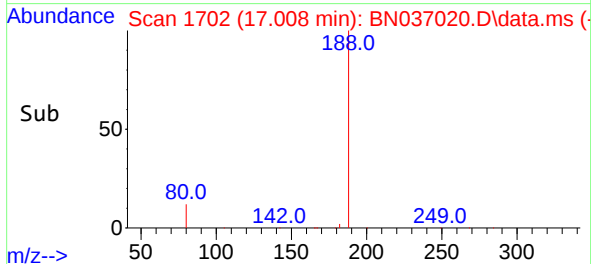
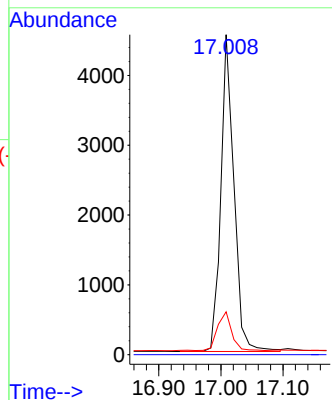
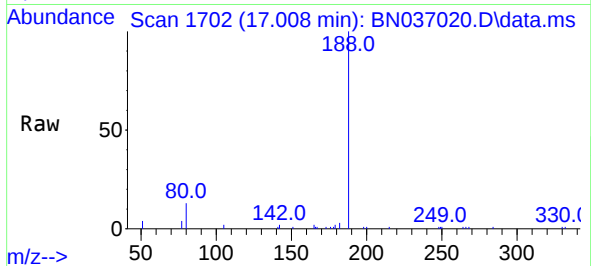




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.008 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

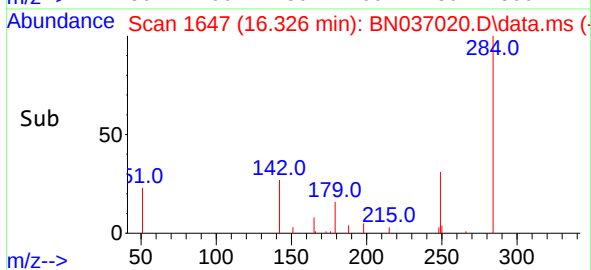
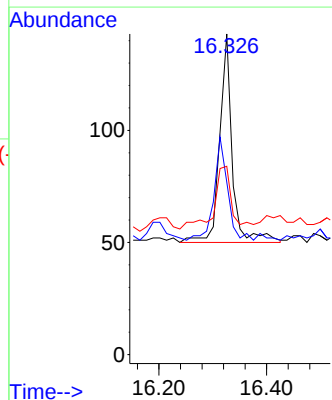
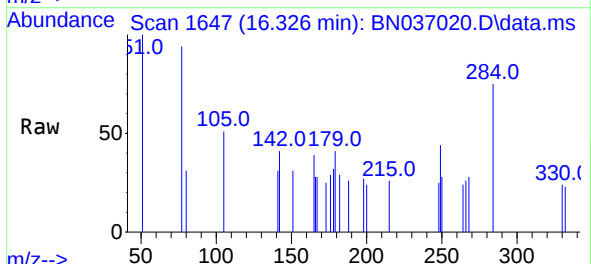
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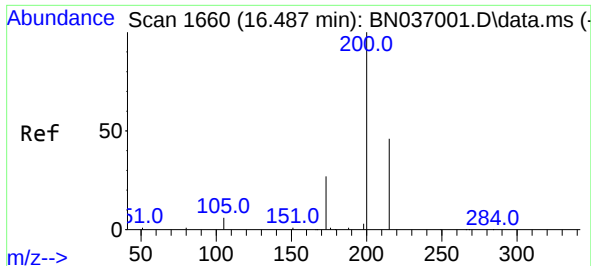
Tgt Ion:188 Resp: 6611
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.4 13.4 20.0



#22
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.326 min Scan# 1647
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:284 Resp: 152
Ion Ratio Lower Upper
284 100
142 52.6 41.2 61.8
249 42.1 28.7 43.1

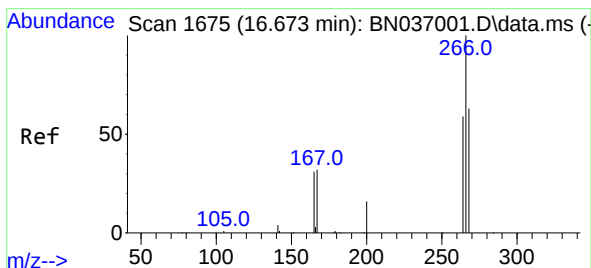
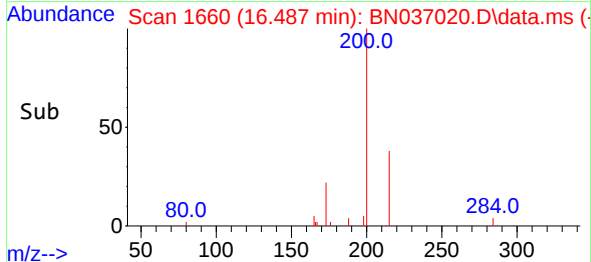
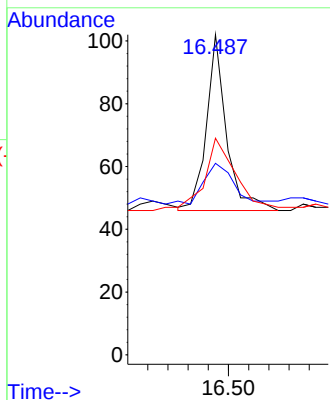
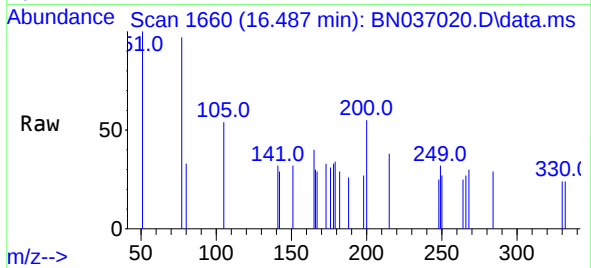




#23
Atrazine
Concen: 0.02 ng
RT: 16.487 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

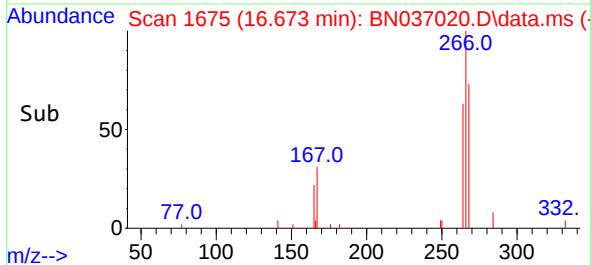
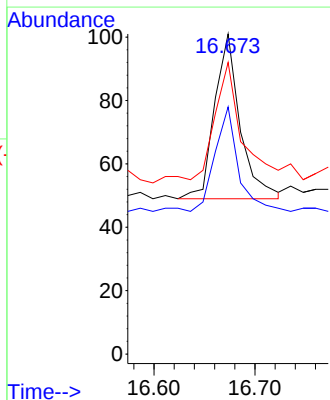
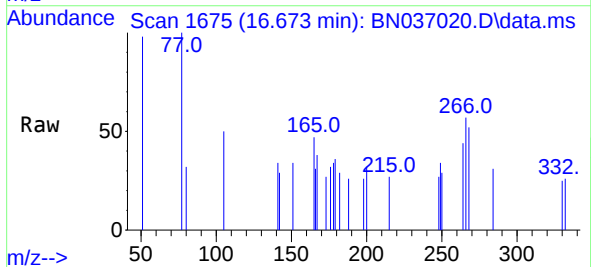
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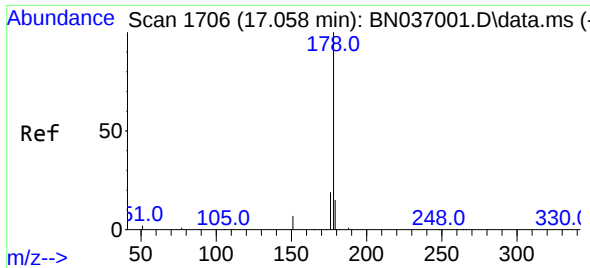
Tgt Ion:200 Resp: 77
Ion Ratio Lower Upper
200 100
173 59.8 25.2 37.8#
215 67.6 39.3 58.9#



#24
Pentachlorophenol
Concen: 0.04 ng
RT: 16.673 min Scan# 1675
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:266 Resp: 92
Ion Ratio Lower Upper
266 100
264 59.8 47.9 71.9
268 87.0 50.0 75.0#



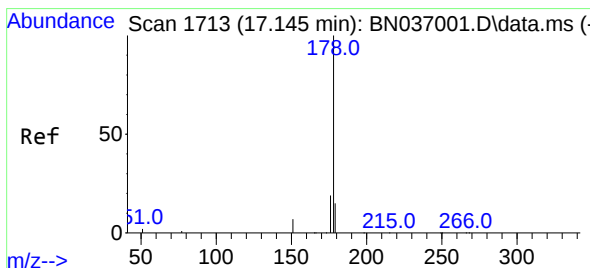
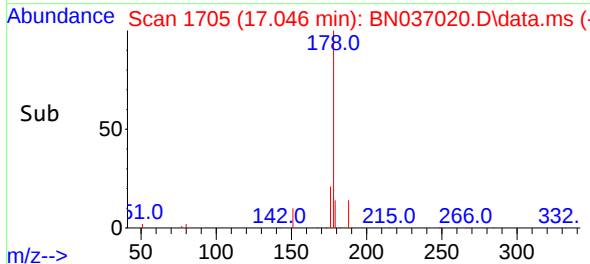
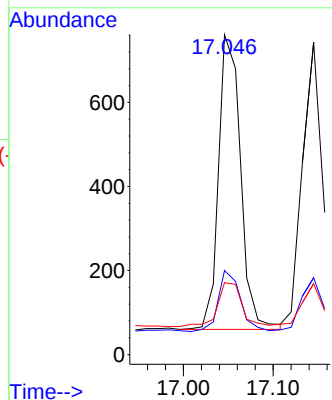
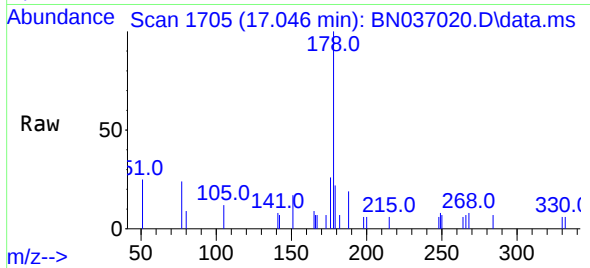


#25
Phenanthrene
Concen: 0.06 ng
RT: 17.046 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

Tgt Ion:178 Resp: 1197

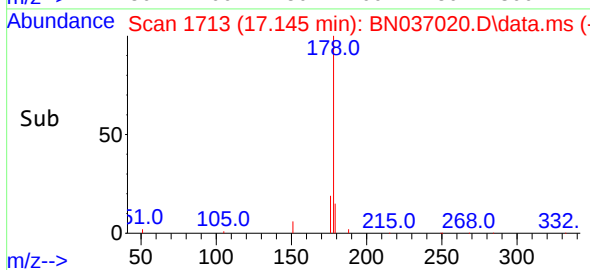
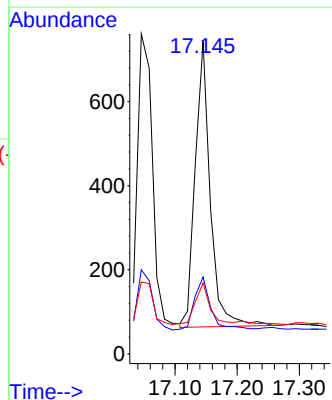
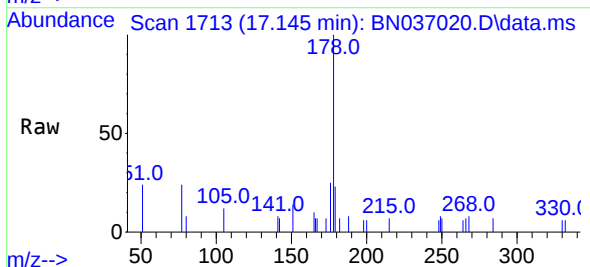
Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.7	23.5
179	16.1	12.2	18.2

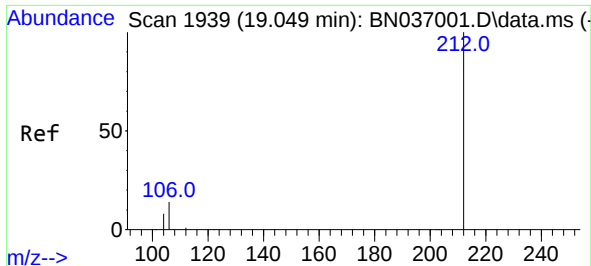


#26
Anthracene
Concen: 0.06 ng
RT: 17.145 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:178 Resp: 1144

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.0	22.6
179	14.0	12.3	18.5

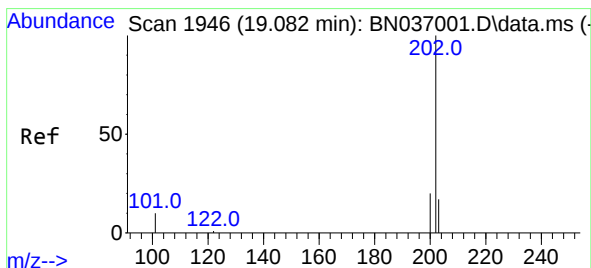
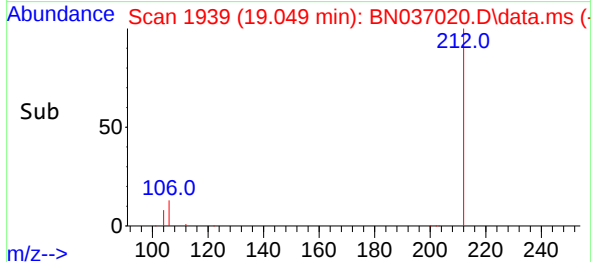
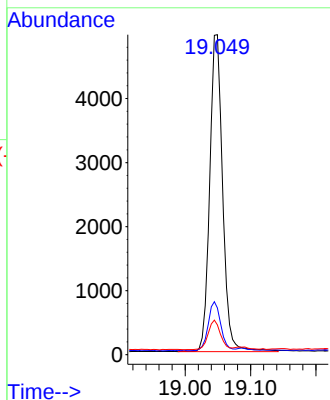
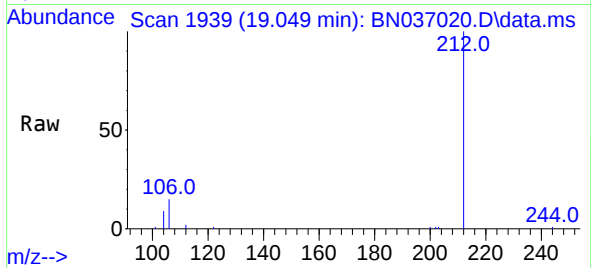




#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.049 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

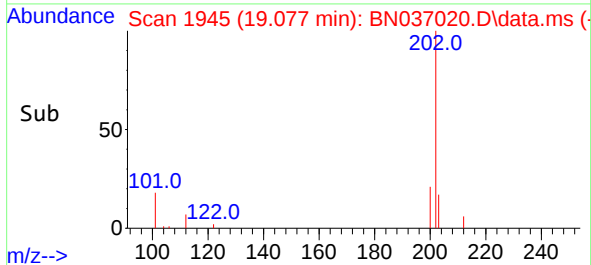
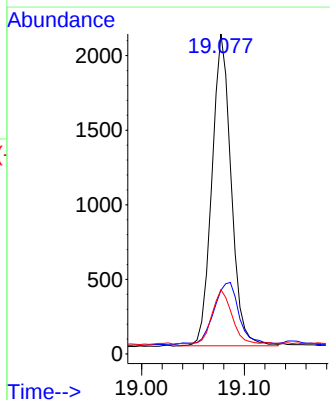
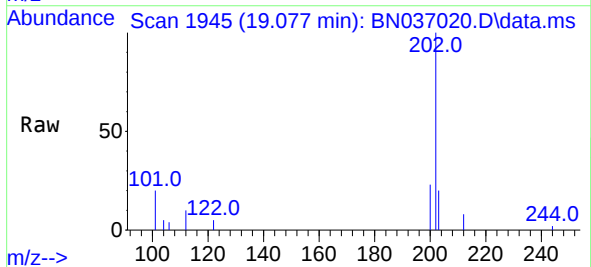
Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

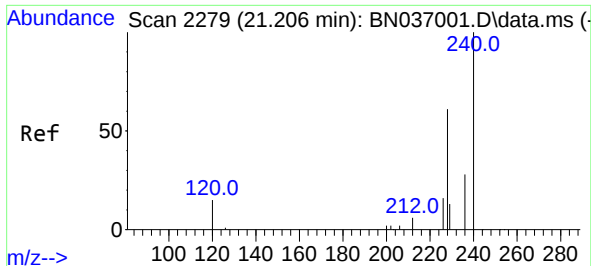
Tgt Ion:212 Resp: 6795
Ion Ratio Lower Upper
212 100
106 15.0 11.3 16.9
104 9.0 6.7 10.1



#28
Fluoranthene
Concen: 0.11 ng
RT: 19.077 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:202 Resp: 2712
Ion Ratio Lower Upper
202 100
101 26.8 8.9 13.3#
203 17.7 13.8 20.8

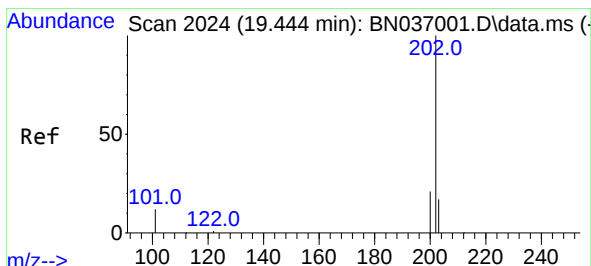
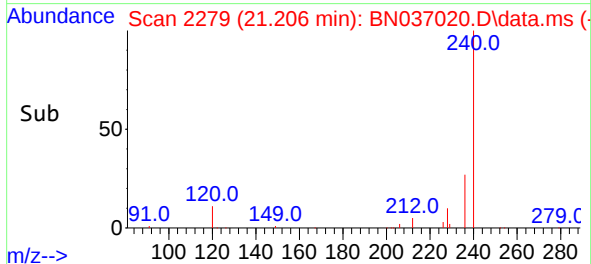
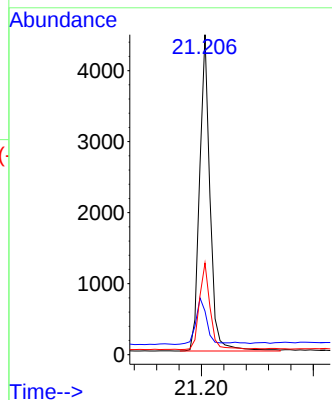
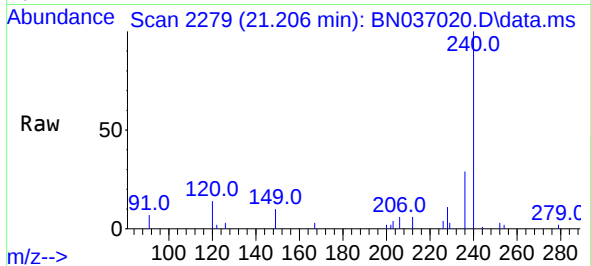




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.206 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

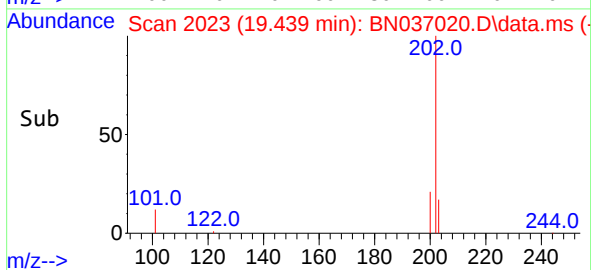
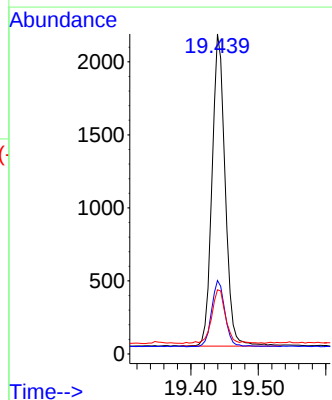
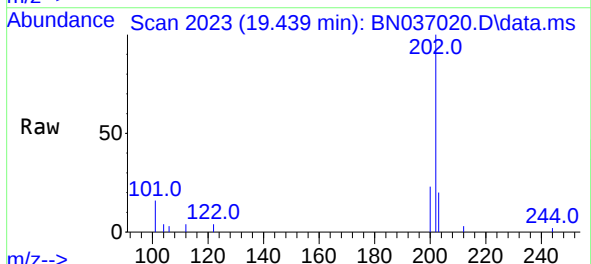
Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

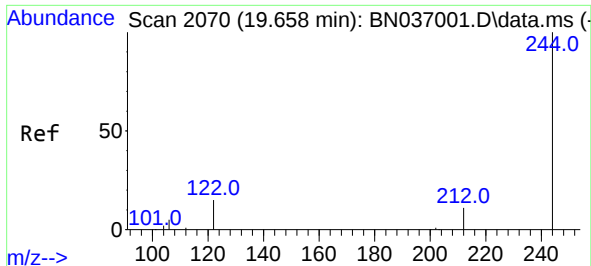
Tgt Ion:240 Resp: 5758
Ion Ratio Lower Upper
240 100
120 13.6 15.1 22.7#
236 28.7 24.0 36.0



#30
Pyrene
Concen: 0.12 ng
RT: 19.439 min Scan# 2023
Delta R.T. -0.005 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:202 Resp: 2894
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.2 14.2 21.4

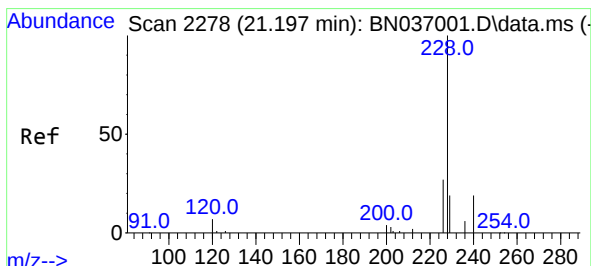
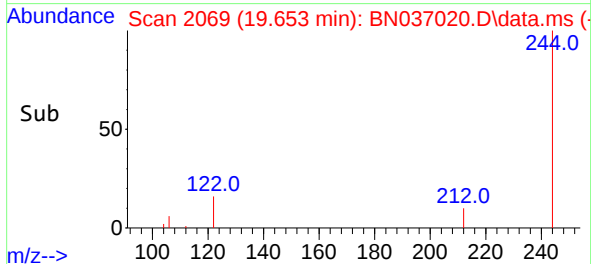
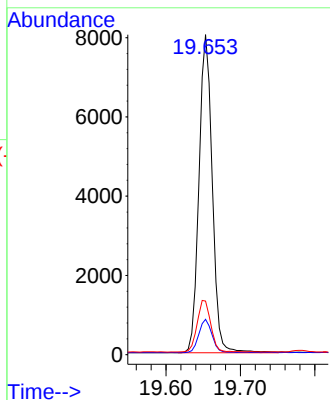
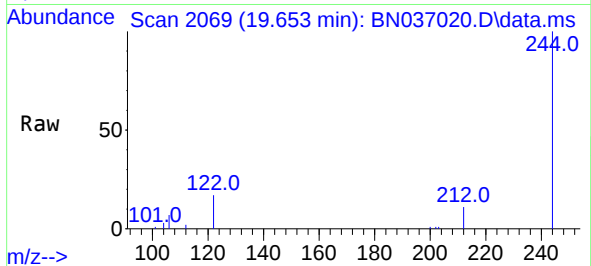




#31
 Terphenyl-d14
 Concen: 0.81 ng
 RT: 19.653 min Scan# 2069
 Delta R.T. -0.005 min
 Lab File: BN037020.D
 Acq: 14 May 2025 19:48

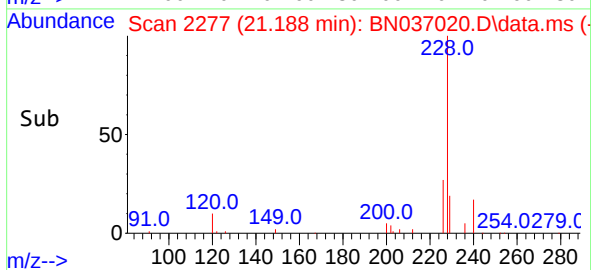
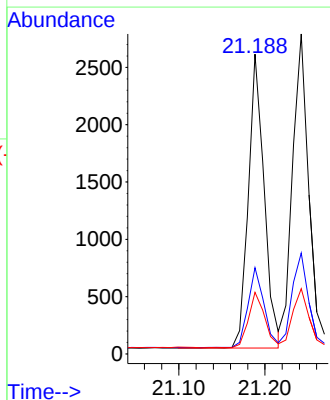
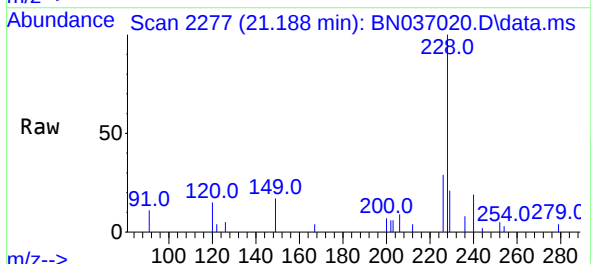
Instrument :
 BNA_N
 ClientSampleId :
 BP-TT192D1-GW-20250509

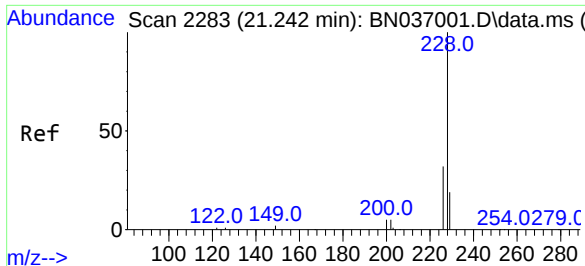
Tgt Ion:	244	Resp:	9998
Ion Ratio	Lower	Upper	
244	100		
212	11.1	9.7	14.5
122	16.8	13.4	20.0



#32
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 21.188 min Scan# 2277
 Delta R.T. -0.009 min
 Lab File: BN037020.D
 Acq: 14 May 2025 19:48

Tgt Ion:	228	Resp:	3273
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.2	33.4
229	20.6	16.0	24.0

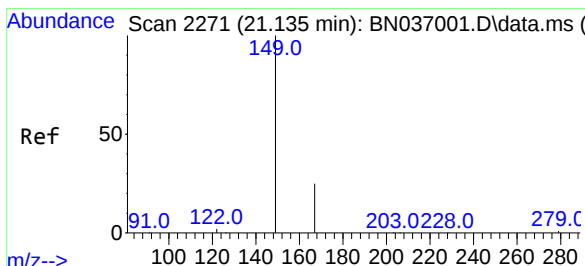
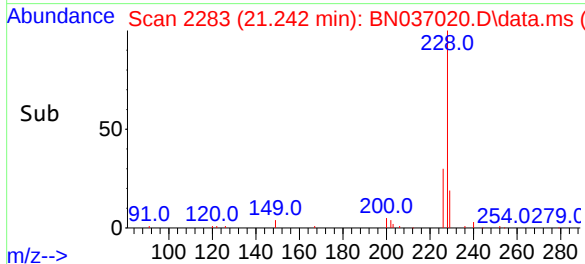
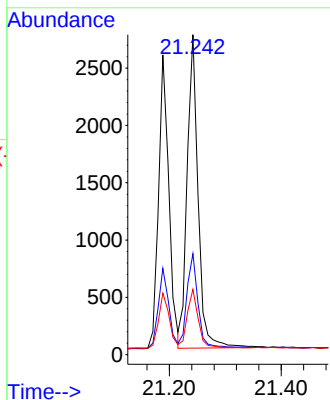
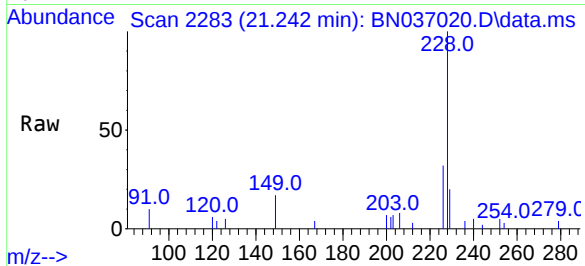




#33
Chrysene
Concen: 0.16 ng
RT: 21.242 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

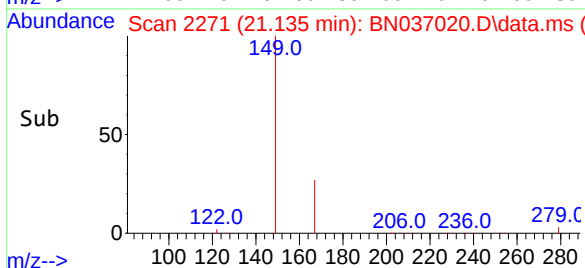
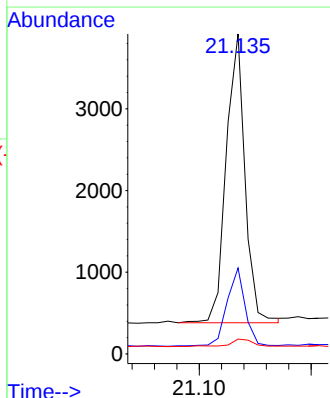
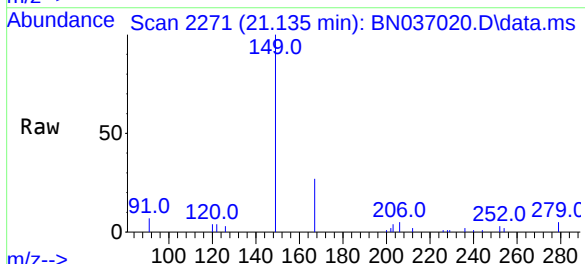
Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

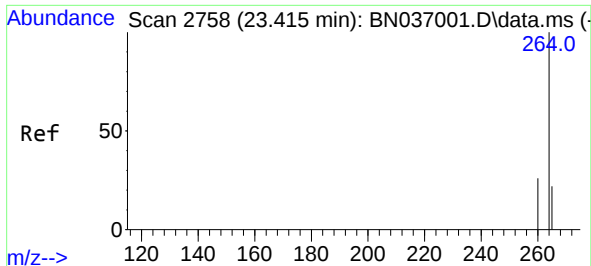
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.3	39.5
229	20.4	16.2	24.2



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.135 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

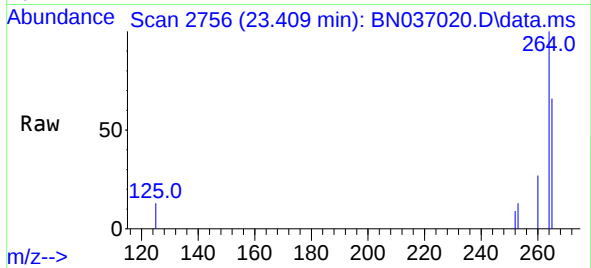
Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.6	30.8
279	3.1	2.6	3.8



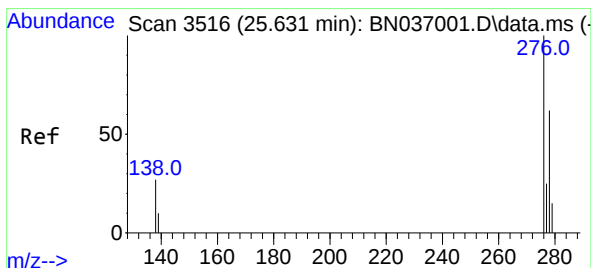
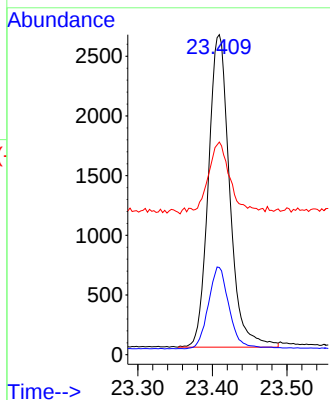


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.409 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

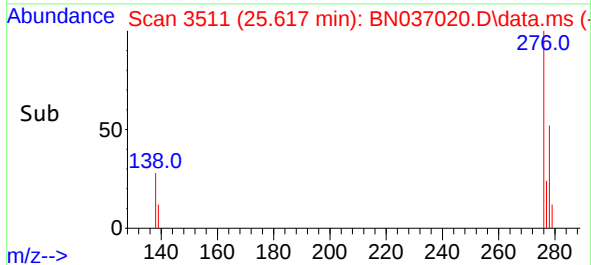
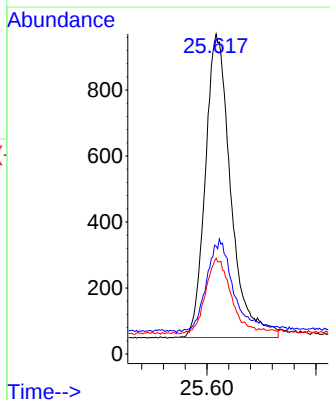
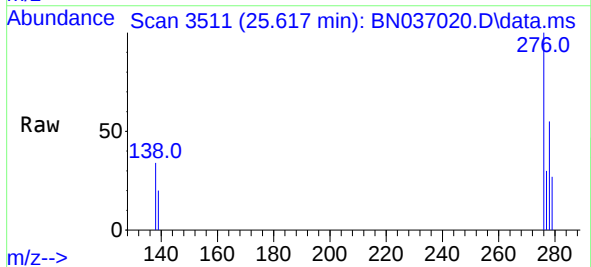


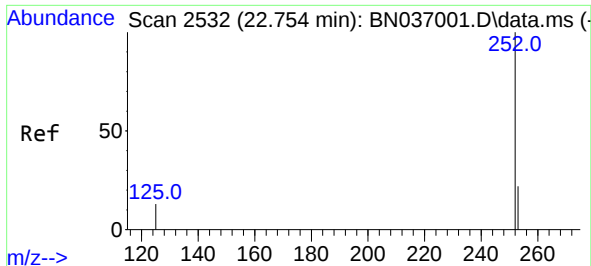
Tgt Ion:264 Resp: 5194
Ion Ratio Lower Upper
264 100
260 27.3 21.9 32.9
265 66.5 51.6 77.4



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.14 ng
RT: 25.617 min Scan# 3511
Delta R.T. -0.015 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Tgt Ion:276 Resp: 2975
Ion Ratio Lower Upper
276 100
138 32.3 22.7 34.1
277 24.8 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.15 ng

RT: 22.746 min Scan# 2529

Delta R.T. -0.009 min

Lab File: BN037020.D

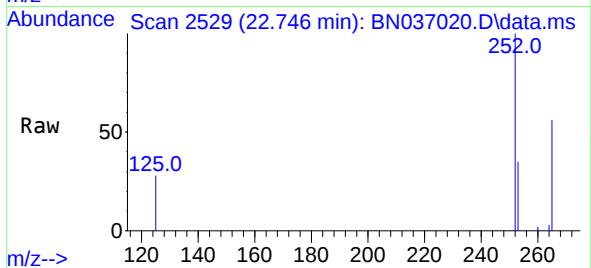
Acq: 14 May 2025 19:48

Instrument :

BNA_N

ClientSampleId :

BP-TT192D1-GW-20250509



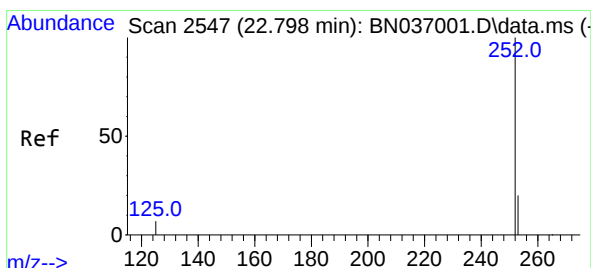
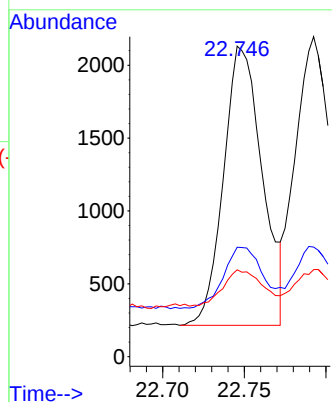
Tgt Ion:252 Resp: 3163

Ion Ratio Lower Upper

252 100

253 35.2 21.8 32.6#

125 28.0 14.6 21.8#



#38

Benzo(k)fluoranthene

Concen: 0.15 ng

RT: 22.792 min Scan# 2545

Delta R.T. -0.006 min

Lab File: BN037020.D

Acq: 14 May 2025 19:48

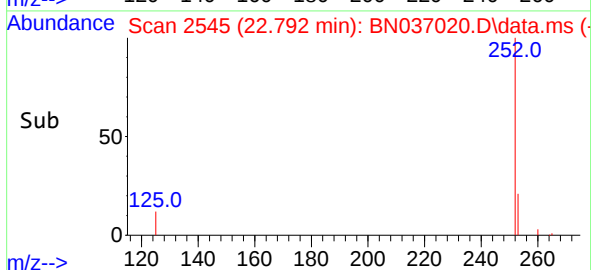
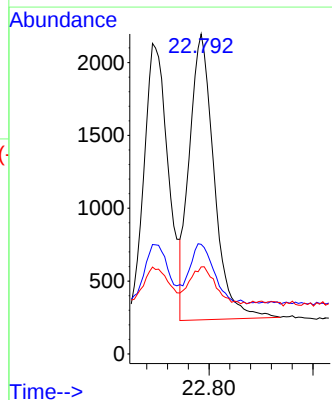
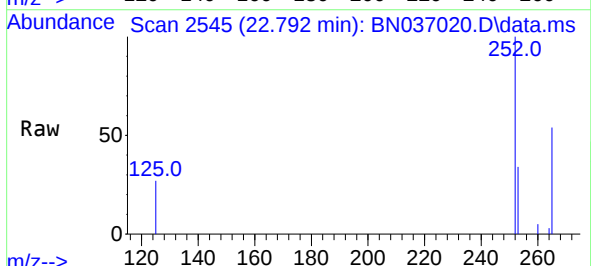
Tgt Ion:252 Resp: 3248

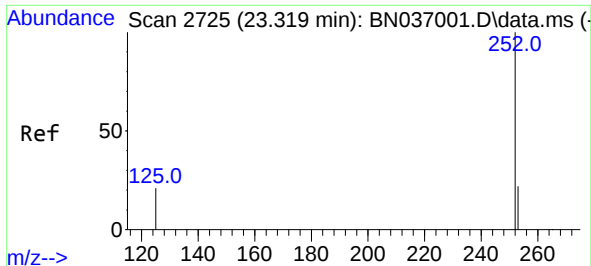
Ion Ratio Lower Upper

252 100

253 34.2 21.4 32.2#

125 27.2 13.0 19.4#

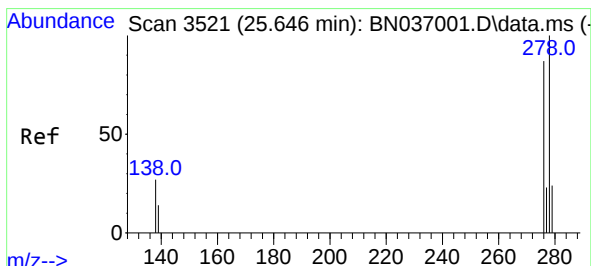
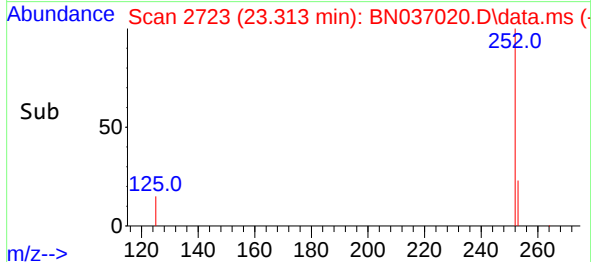
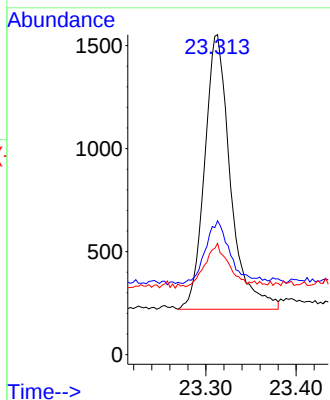
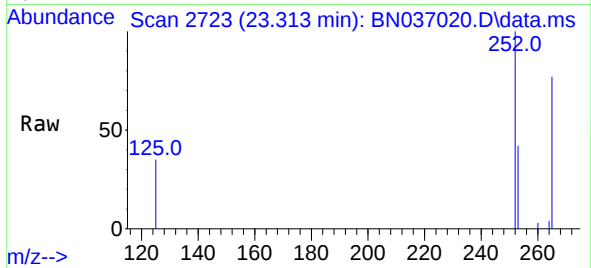




#39
Benzo(a)pyrene
Concen: 0.14 ng
RT: 23.313 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

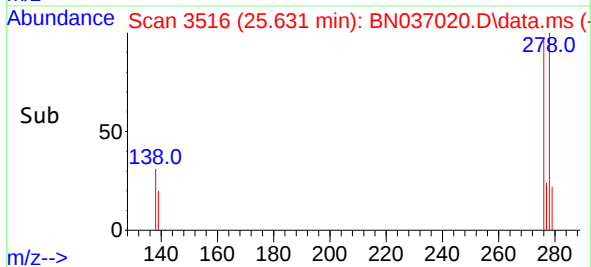
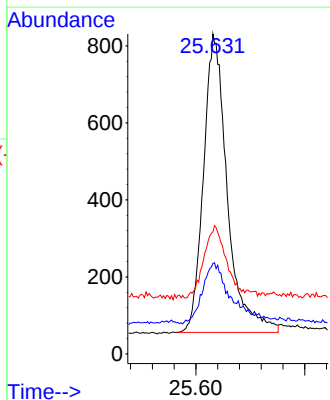
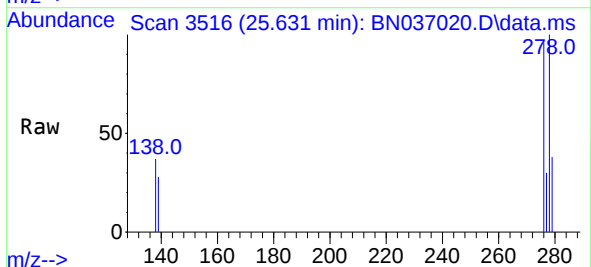
Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509

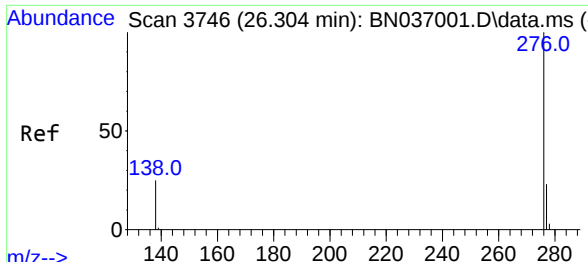
Tgt Ion:252 Resp: 2647
Ion Ratio Lower Upper
252 100
253 41.9 23.8 35.6#
125 34.8 21.8 32.6#



#40
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.631 min Scan# 3516
Delta R.T. -0.015 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

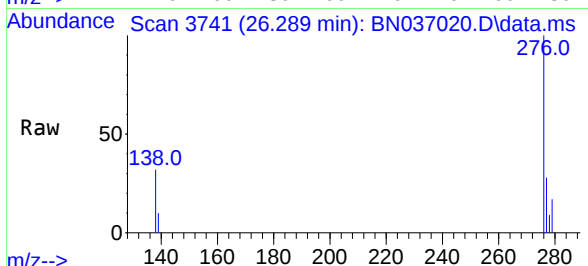
Tgt Ion:278 Resp: 2355
Ion Ratio Lower Upper
278 100
139 28.3 17.4 26.0#
279 38.1 24.6 37.0#





#41
Benzo(g,h,i)perylene
Concen: 0.14 ng
RT: 26.289 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN037020.D
Acq: 14 May 2025 19:48

Instrument :
BNA_N
ClientSampleId :
BP-TT192D1-GW-20250509



Tgt Ion:	276	Resp:	2465
Ion	Ratio	Lower	Upper
276	100		
277	28.4	20.2	30.4
138	31.5	22.0	33.0

