

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051425\
 Data File : BN037011.D
 Acq On : 14 May 2025 12:03
 Operator : RC/JU
 Sample : Q2000-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-062223

Quant Time: May 14 12:28:25 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

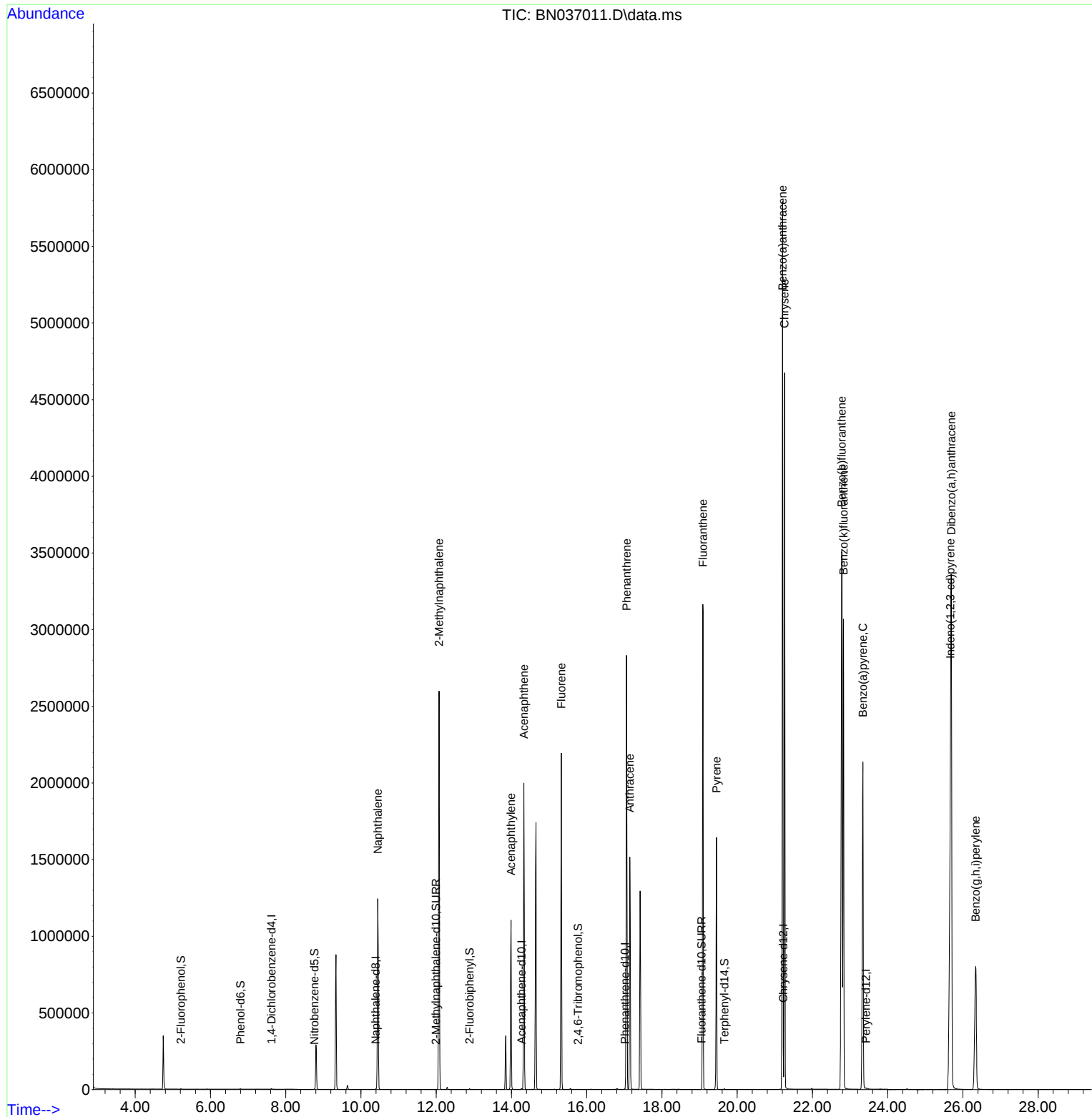
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.618	152	1757	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	5094	0.40	ng	#-0.01
13) Acenaphthene-d10	14.267	164	3120	0.40	ng	0.00
19) Phenanthrene-d10	17.021	188	6557	0.40	ng	# 0.01
29) Chrysene-d12	21.224	240	7178	0.40	ng	# 0.02
35) Perylene-d12	23.424	264	6518	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	1776	0.39	ng	0.00
5) Phenol-d6	6.795	99	2191	0.38	ng	0.00
8) Nitrobenzene-d5	8.760	82	2099	0.38	ng	-0.01
11) 2-Methylnaphthalene-d10	11.996	152	2850	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	476	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.888	172	5516	0.39	ng	0.00
27) Fluoranthene-d10	19.054	212	7673	0.43	ng	0.00
31) Terphenyl-d14	19.658	244	5469	0.36	ng	0.00
Target Compounds						
9) Naphthalene	10.447	128	1512205	100.46	ng	Qvalue 96
12) 2-Methylnaphthalene	12.077	142	1729364	178.63	ng	98
16) Acenaphthylene	13.989	152	1122622	73.92	ng	100
17) Acenaphthene	14.331	154	893602	90.05	ng	95
18) Fluorene	15.325	166	1220508	93.76	ng	98
25) Phenanthrene	17.058	178	2754841	128.55	ng	99
26) Anthracene	17.145	178	1581373	81.09	ng	99
28) Fluoranthene	19.091	202	2763340	107.95	ng	99
30) Pyrene	19.449	202	1364347	44.44	ng	98
32) Benzo(a)anthracene	21.206	228	4673852	172.93	ng	99
33) Chrysene	21.260	228	3329241	116.46	ng	97
36) Indeno(1,2,3-cd)pyrene	25.669	276	3318399	124.66	ng	96
37) Benzo(b)fluoranthene	22.781	252	5192757	192.07	ng	# 88
38) Benzo(k)fluoranthene	22.825	252	3351501	125.52	ng	# 90
39) Benzo(a)pyrene	23.339	252	3031565	132.19	ng	# 79
40) Dibenzo(a,h)anthracene	25.690	278	3885738	187.40	ng	# 89
41) Benzo(g,h,i)perylene	26.336	276	1647820	73.14	ng	97

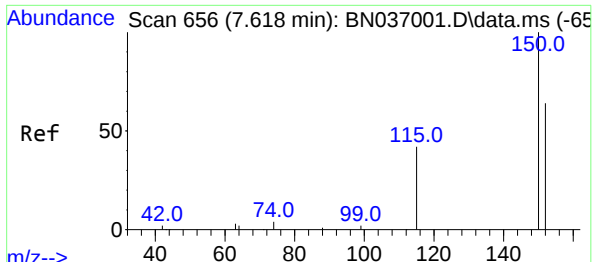
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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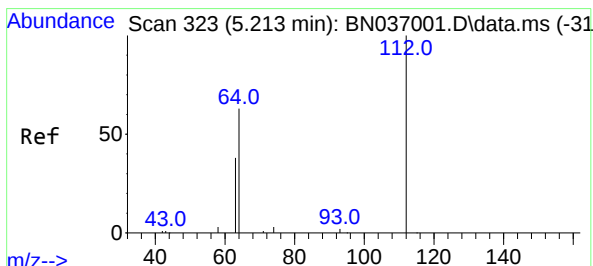
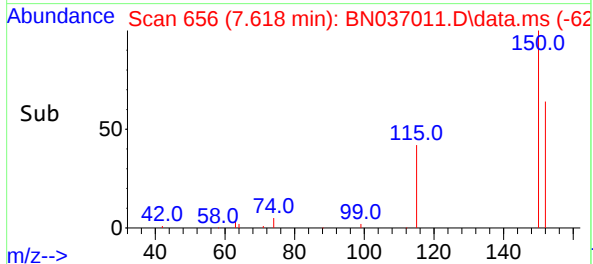
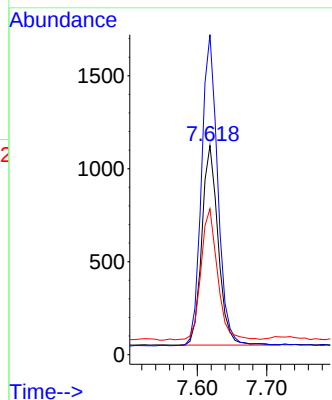
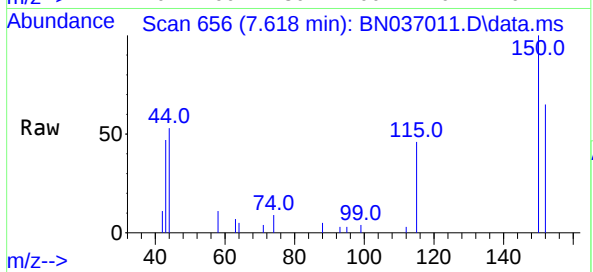




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.618 min Scan# 611
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

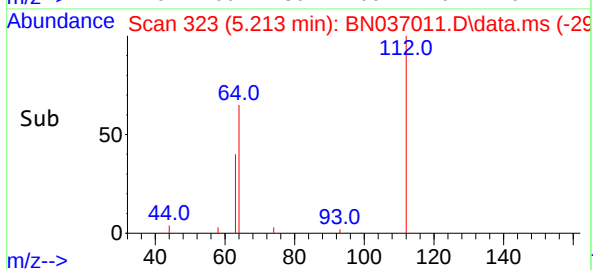
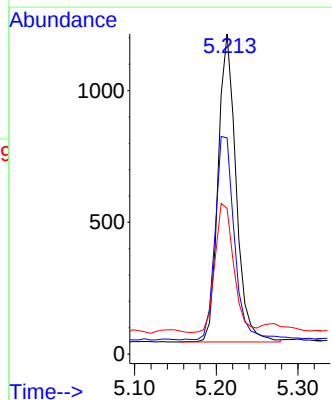
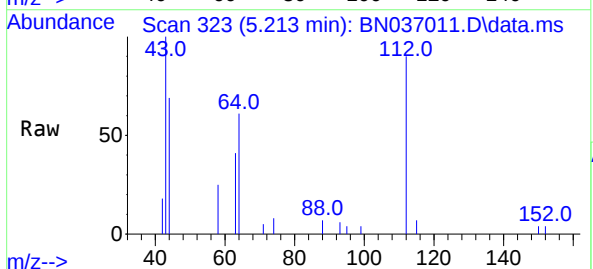
Instrument :
BNA_N
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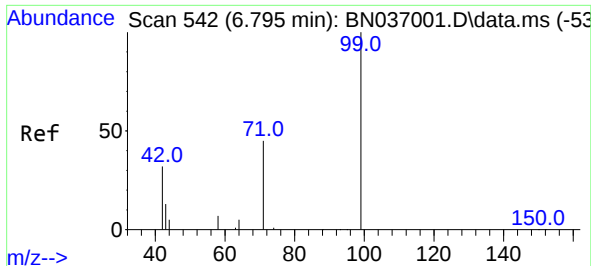
Tgt Ion:152 Resp: 1757
Ion Ratio Lower Upper
152 100
150 153.0 123.9 185.9
115 69.8 55.8 83.8



#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.213 min Scan# 323
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

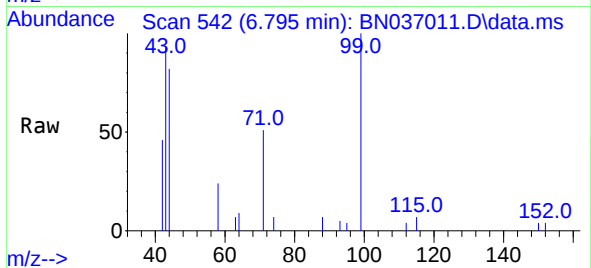
Tgt Ion:112 Resp: 1776
Ion Ratio Lower Upper
112 100
64 72.1 55.7 83.5
63 43.8 34.6 51.8





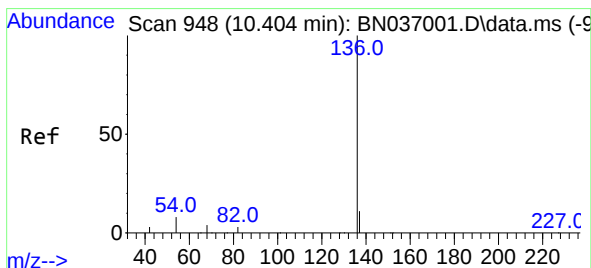
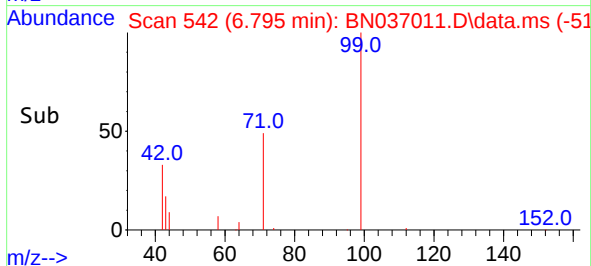
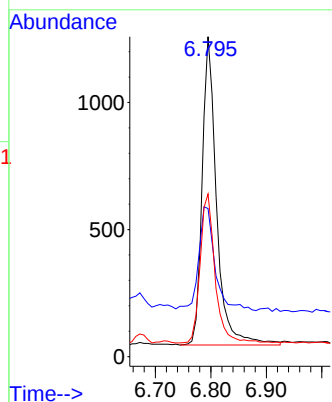
#5
Phenol-d6
Concen: 0.38 ng
RT: 6.795 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 2191

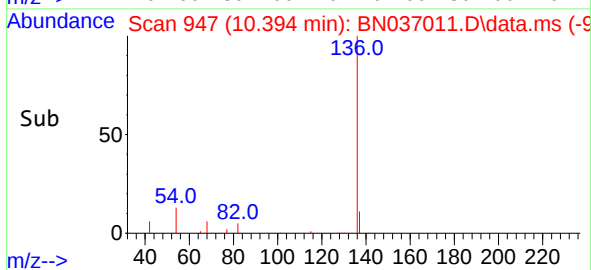
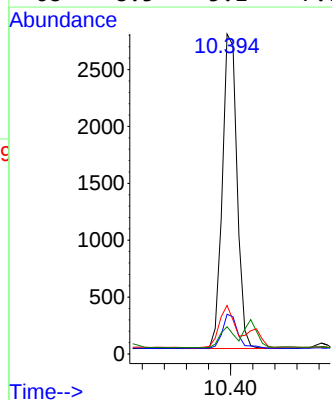
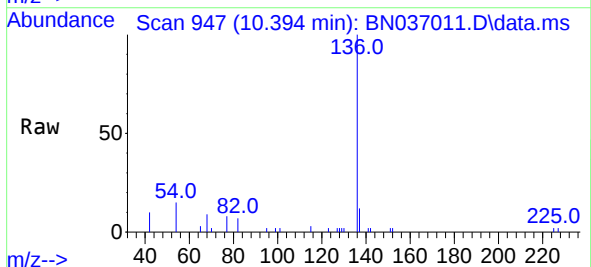
Ion	Ratio	Lower	Upper
99	100		
42	38.3	29.3	43.9
71	49.7	35.7	53.5

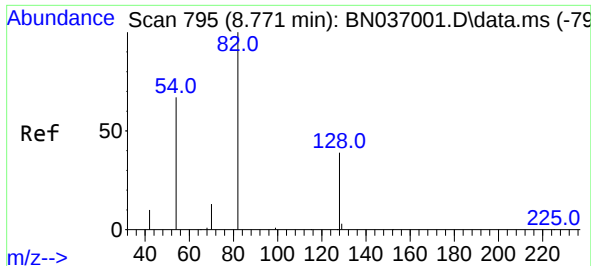


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.394 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion: 136 Resp: 5094

Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.4	15.6
54	15.2	8.5	12.7#
68	8.5	5.1	7.7#

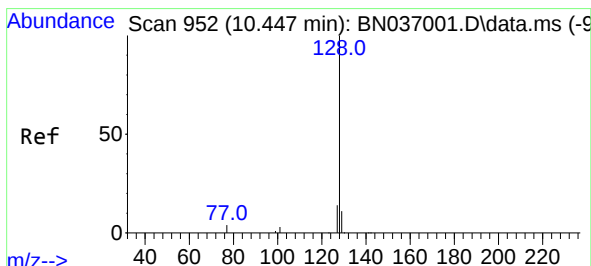
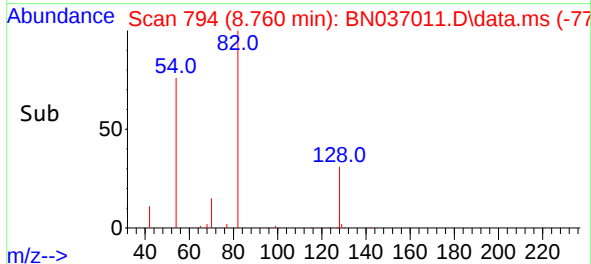
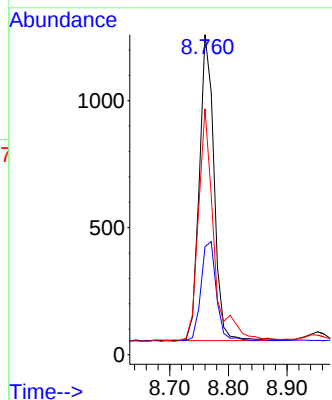
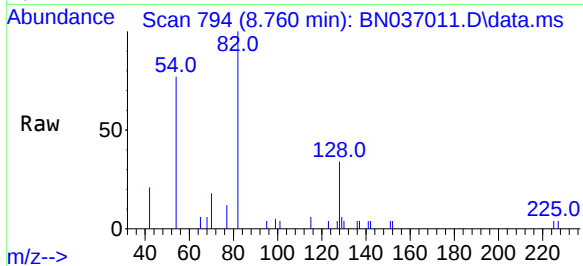




#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

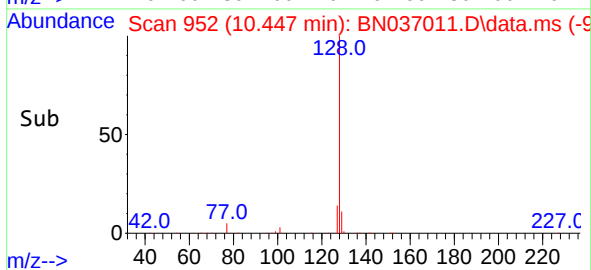
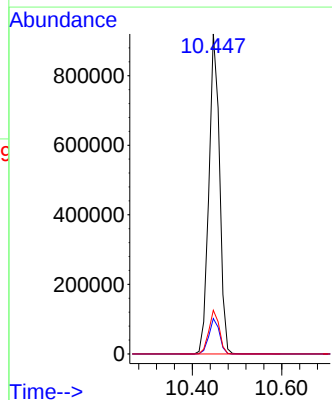
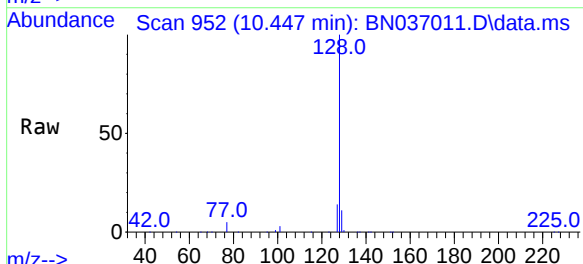
Instrument :
BNA_N
ClientSampleId :
38072-062223

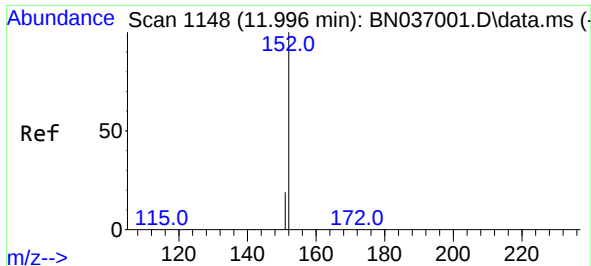
Tgt Ion: 82 Resp: 2099
Ion Ratio Lower Upper
82 100
128 33.7 34.0 51.0#
54 76.8 55.0 82.4



#9
Naphthalene
Concen: 100.46 ng
RT: 10.447 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion: 128 Resp: 1512205
Ion Ratio Lower Upper
128 100
129 11.0 9.7 14.5
127 13.7 12.4 18.6

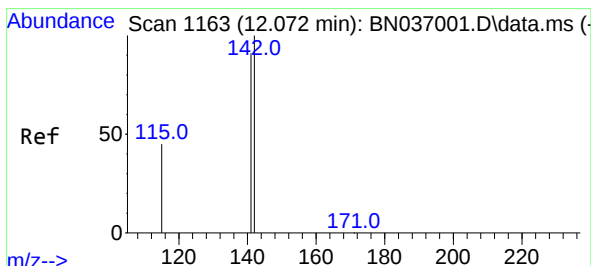
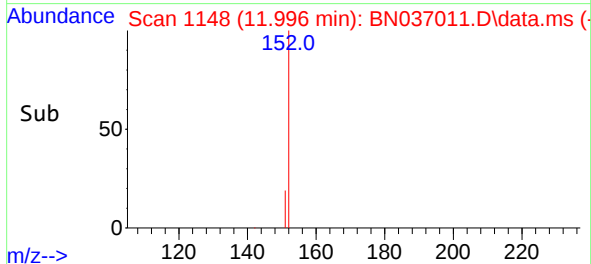
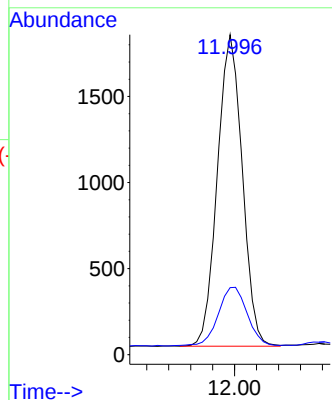
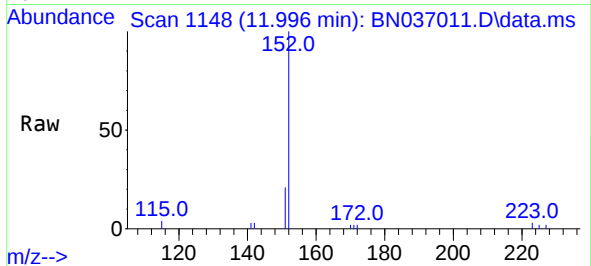




#11
2-Methylnaphthalene-d10
Concen: 0.40 ng
RT: 11.996 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

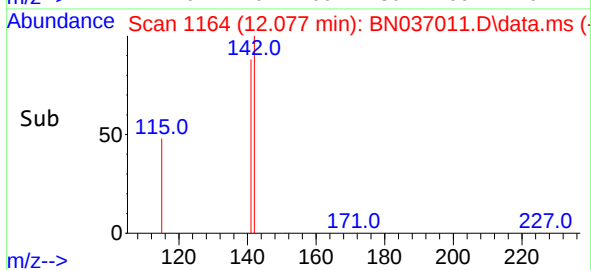
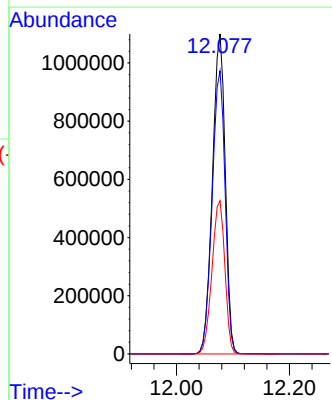
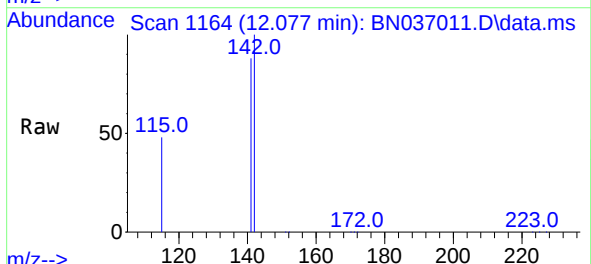
Instrument :
BNA_N
ClientSampleId :
38072-062223

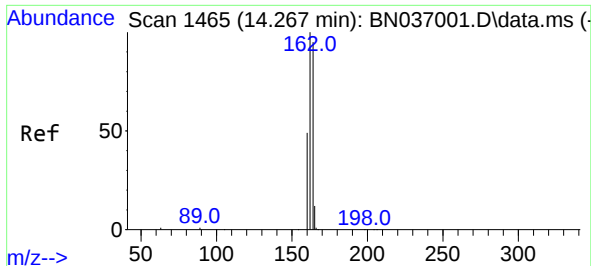
Tgt Ion:152 Resp: 2850
Ion Ratio Lower Upper
152 100
151 21.9 17.5 26.3



#12
2-Methylnaphthalene
Concen: 178.63 ng
RT: 12.077 min Scan# 1164
Delta R.T. 0.005 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:142 Resp: 1729364
Ion Ratio Lower Upper
142 100
141 88.5 73.3 109.9
115 47.9 38.4 57.6

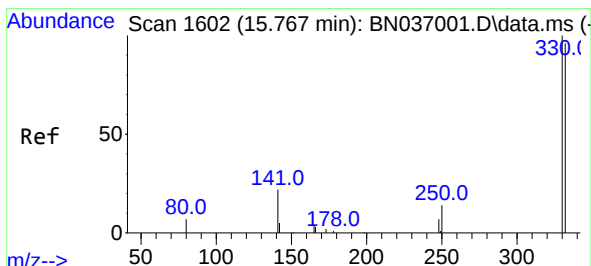
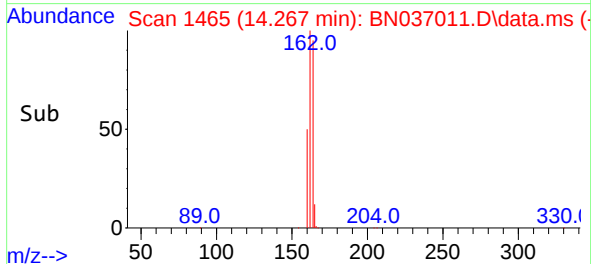
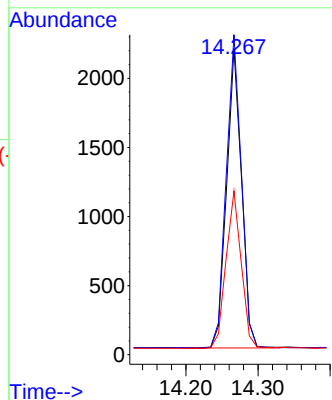
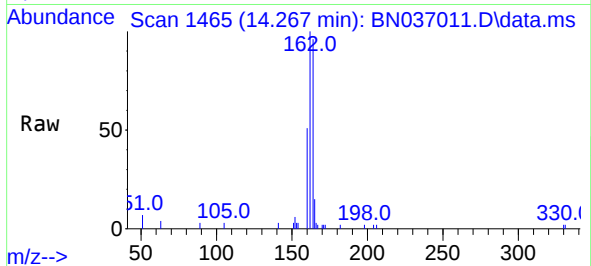




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.267 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

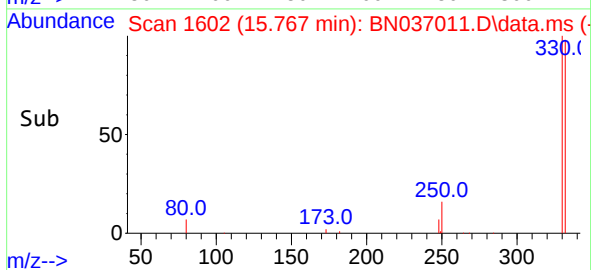
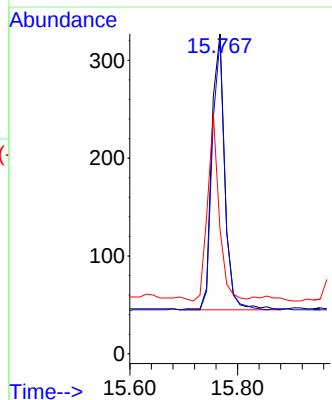
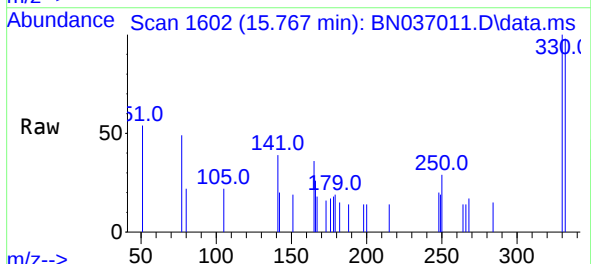
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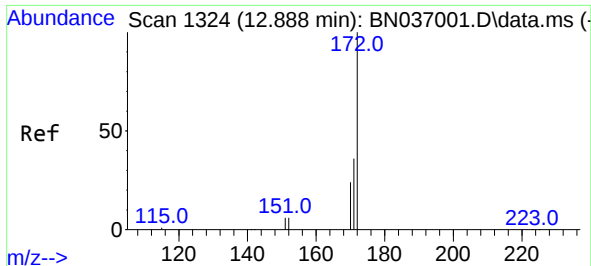
Tgt Ion:164 Resp: 3120
Ion Ratio Lower Upper
164 100
162 104.5 84.2 126.4
160 53.5 42.6 63.8



#14
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 15.767 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:330 Resp: 476
Ion Ratio Lower Upper
330 100
332 93.5 73.8 110.8
141 60.3 43.9 65.9

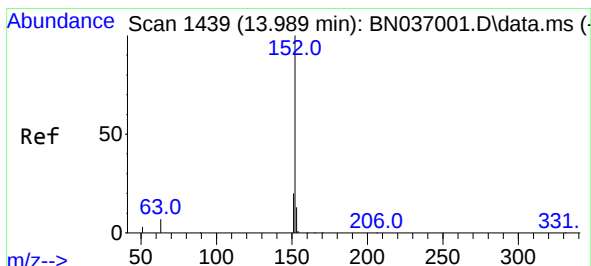
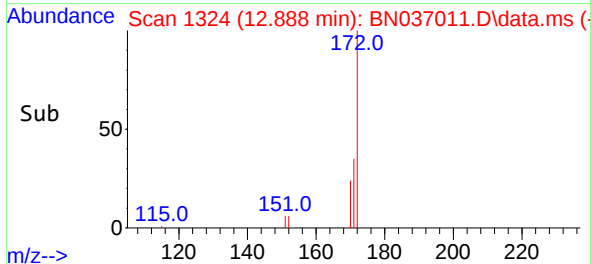
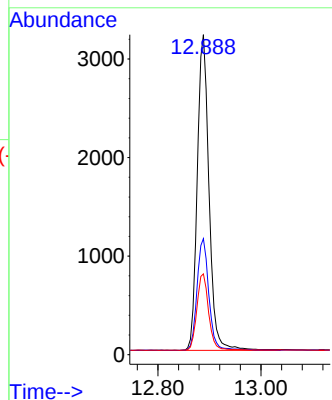
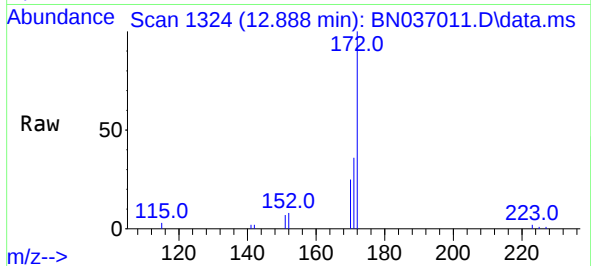




#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 12.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

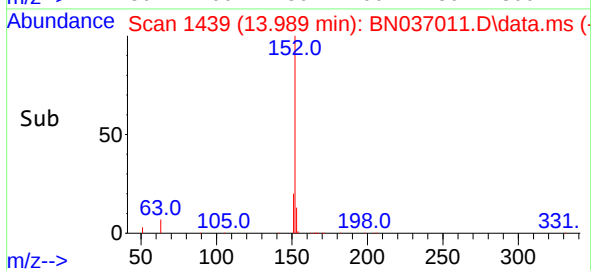
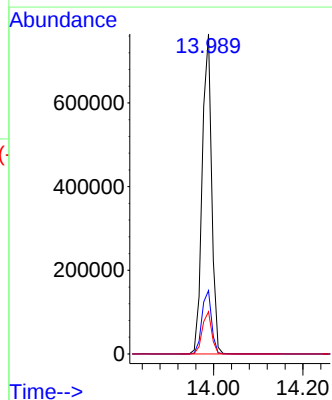
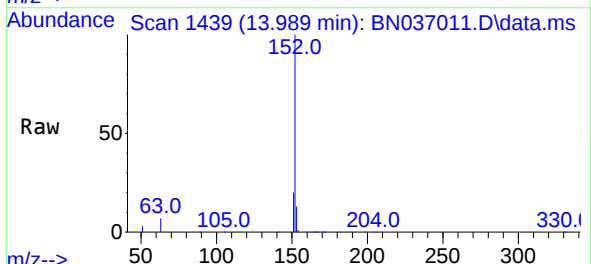
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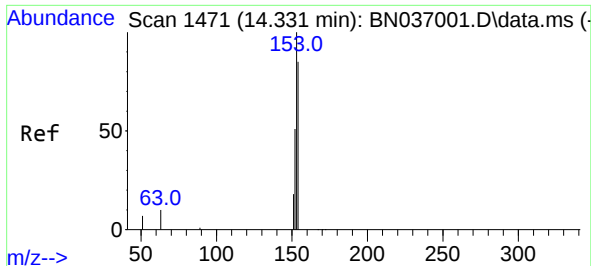
Tgt Ion:	172	Resp:	5516
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	25.3	20.5	30.7



#16
Acenaphthylene
Concen: 73.92 ng
RT: 13.989 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:	152	Resp:	1122622
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.1	10.5	15.7

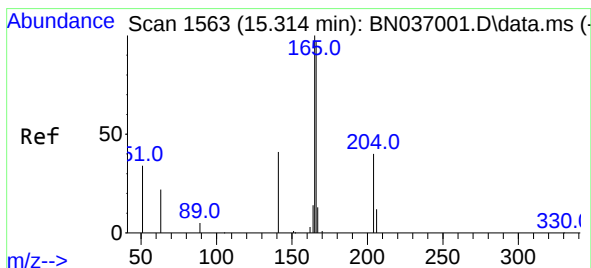
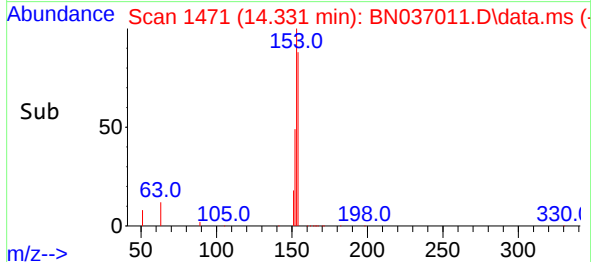
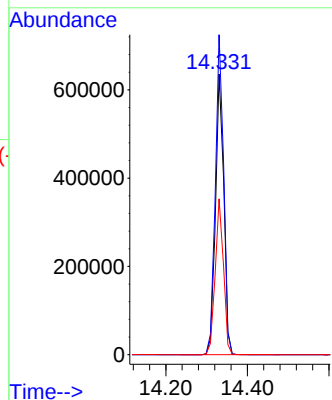
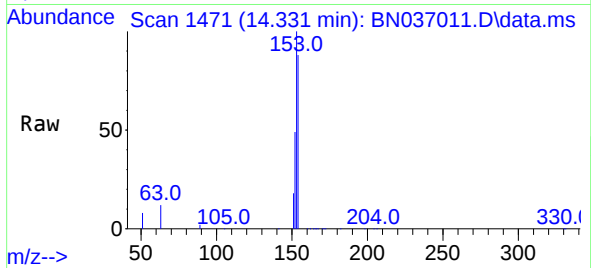




#17
Acenaphthene
Concen: 90.05 ng
RT: 14.331 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

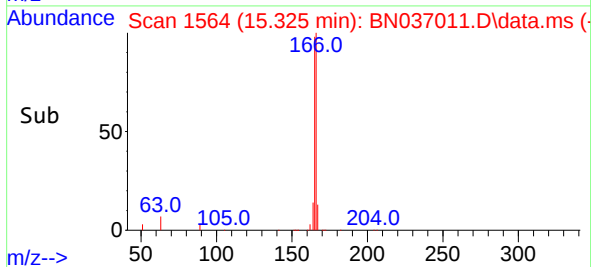
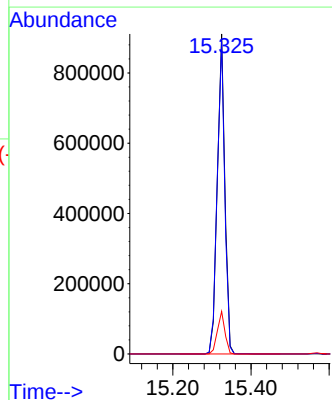
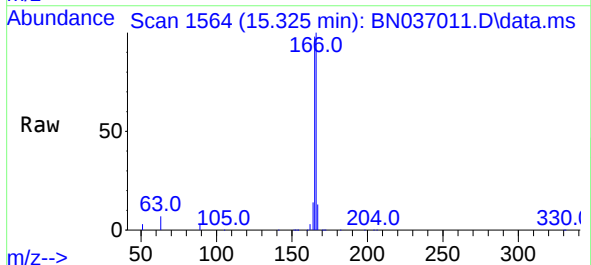
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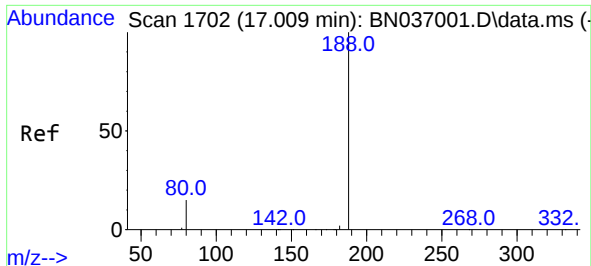
Tgt Ion:154 Resp: 893602
Ion Ratio Lower Upper
154 100
153 114.1 94.2 141.4
152 55.5 49.4 74.0



#18
Fluorene
Concen: 93.76 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.011 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:166 Resp: 1220508
Ion Ratio Lower Upper
166 100
165 98.2 80.6 120.8
167 13.3 10.6 16.0

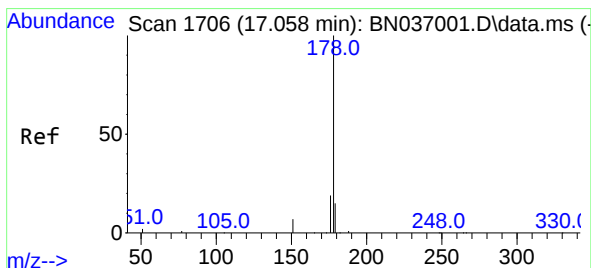
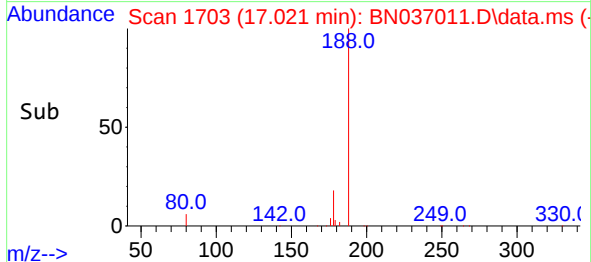
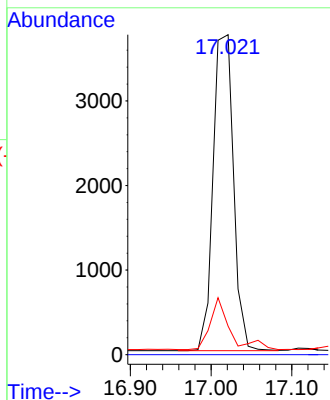
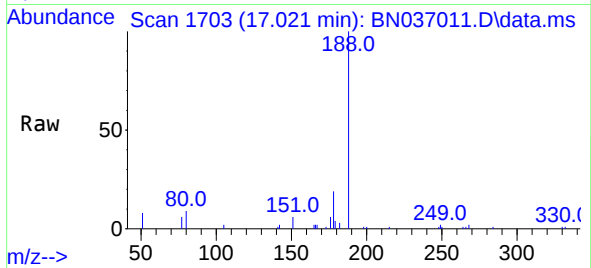




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.021 min Scan# 1703
Delta R.T. 0.012 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

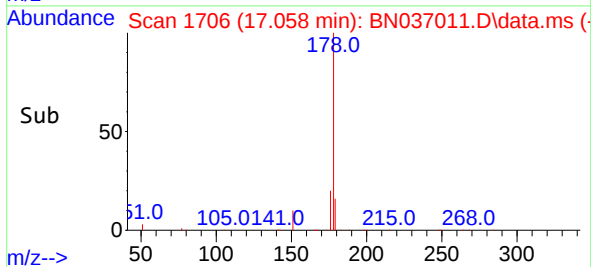
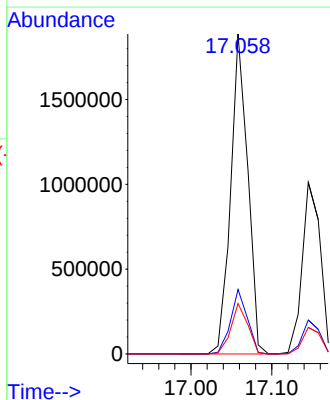
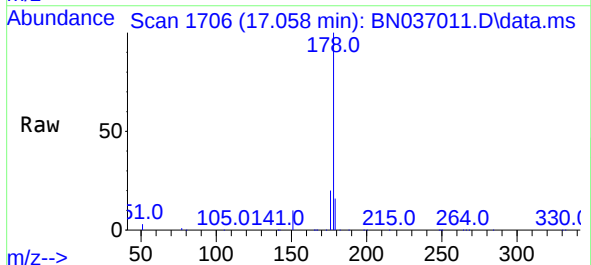
Instrument :
BNA_N
ClientSampleId :
38072-062223

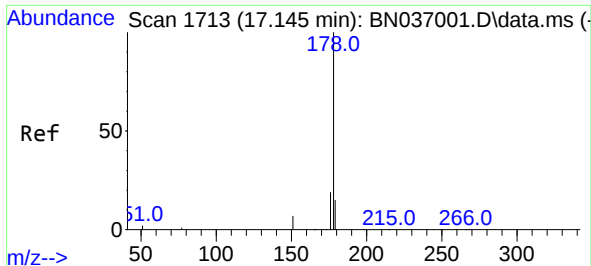
Tgt Ion:188 Resp: 6557
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.9 13.4 20.0#



#25
Phenanthrene
Concen: 128.55 ng
RT: 17.058 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:178 Resp: 2754841
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.6 12.2 18.2

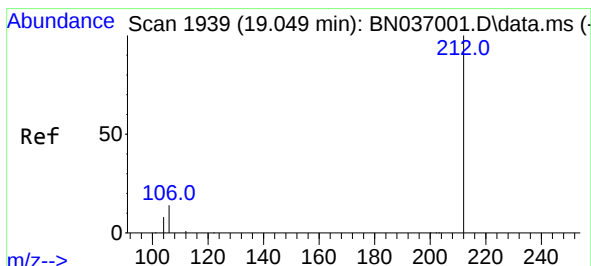
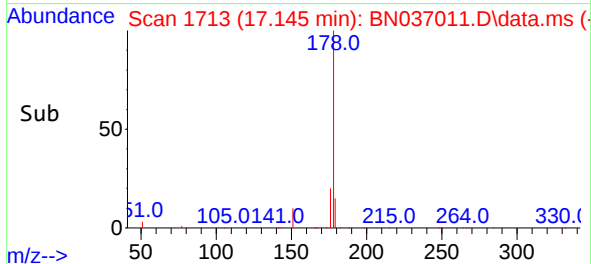
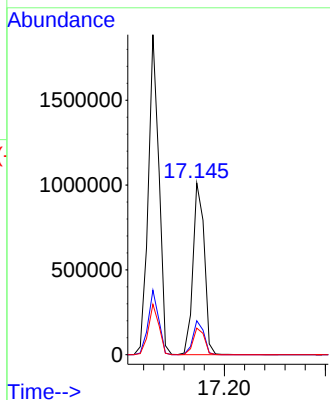
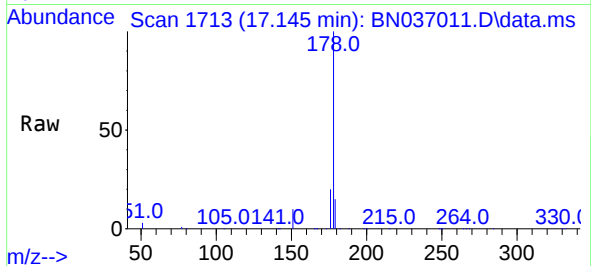




#26
 Anthracene
 Concen: 81.09 ng
 RT: 17.145 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN037011.D
 Acq: 14 May 2025 12:03

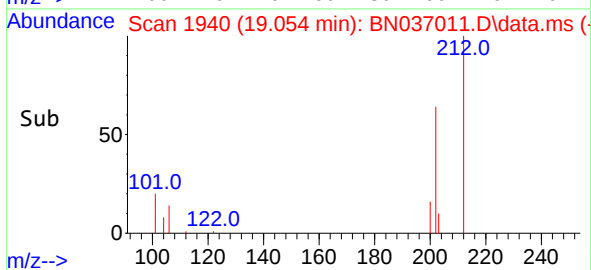
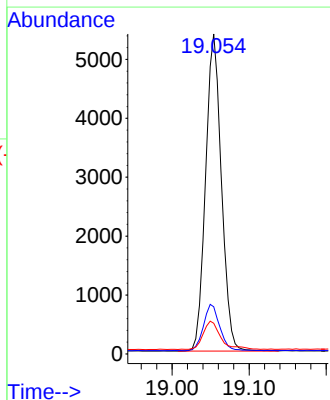
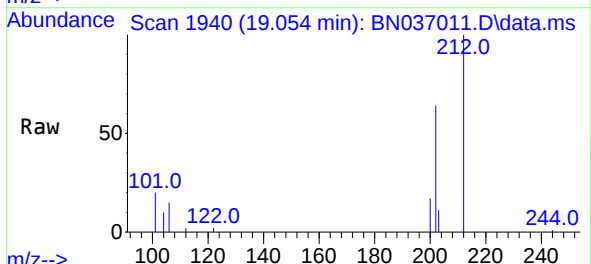
Instrument :
 BNA_N
 ClientSampleId :
 38072-062223

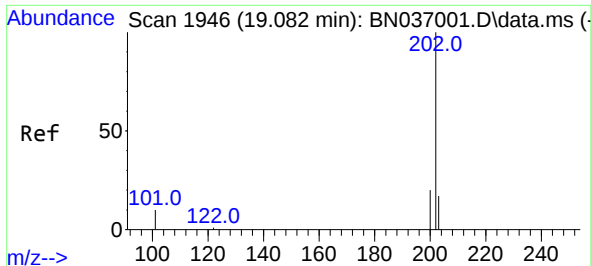
Tgt Ion:178 Resp: 1581373
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 15.5 12.3 18.5



#27
 Fluoranthene-d10
 Concen: 0.43 ng
 RT: 19.054 min Scan# 1940
 Delta R.T. 0.005 min
 Lab File: BN037011.D
 Acq: 14 May 2025 12:03

Tgt Ion:212 Resp: 7673
 Ion Ratio Lower Upper
 212 100
 106 15.0 11.3 16.9
 104 9.7 6.7 10.1

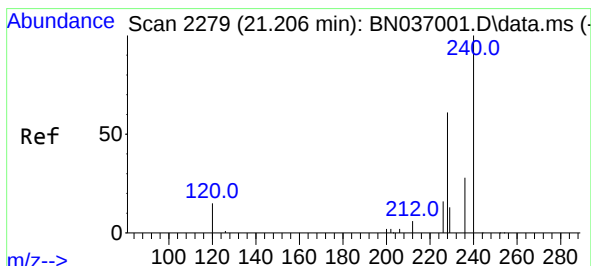
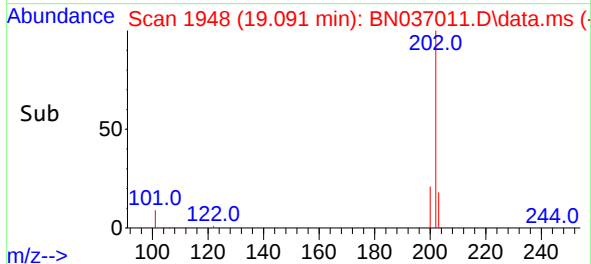
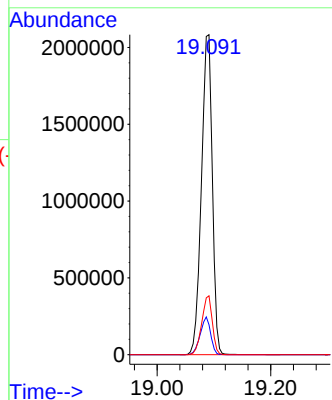
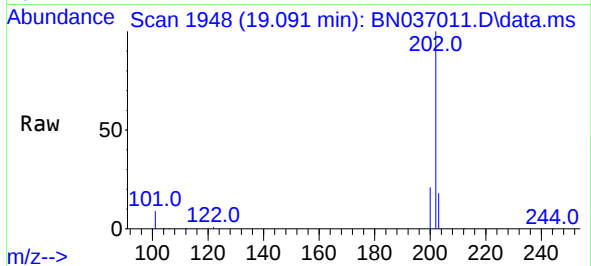




#28
Fluoranthene
Concen: 107.95 ng
RT: 19.091 min Scan# 1948
Delta R.T. 0.009 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

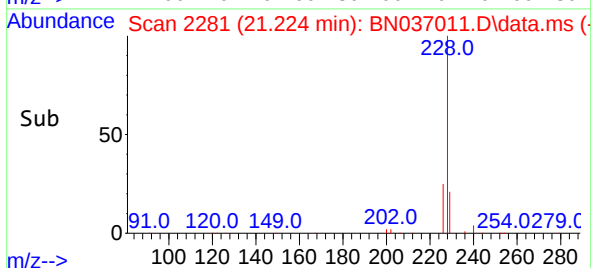
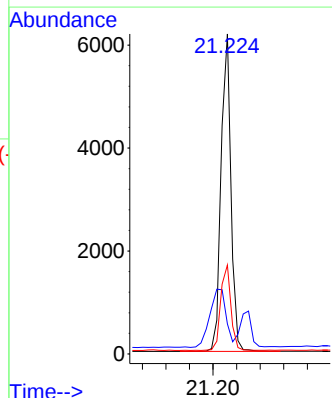
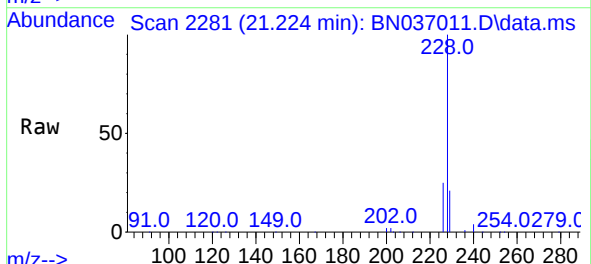
Instrument :
BNA_N
ClientSampleId :
38072-062223

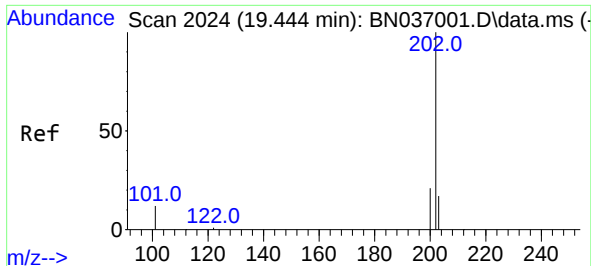
Tgt Ion:202 Resp: 2763340
Ion Ratio Lower Upper
202 100
101 11.2 8.9 13.3
203 17.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.224 min Scan# 2281
Delta R.T. 0.018 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:240 Resp: 7178
Ion Ratio Lower Upper
240 100
120 9.4 15.1 22.7#
236 27.8 24.0 36.0

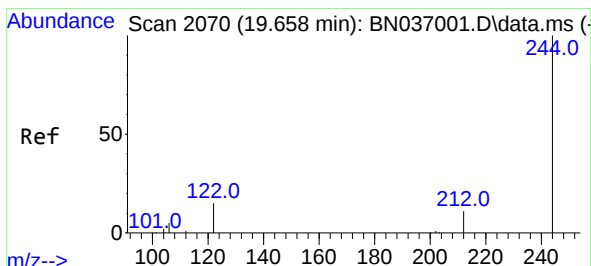
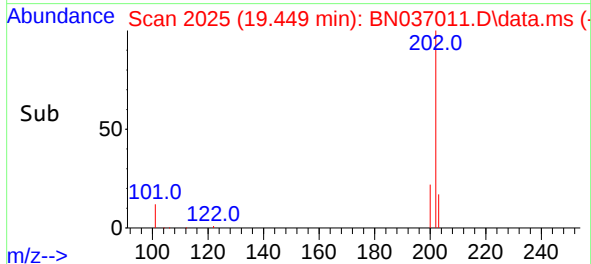
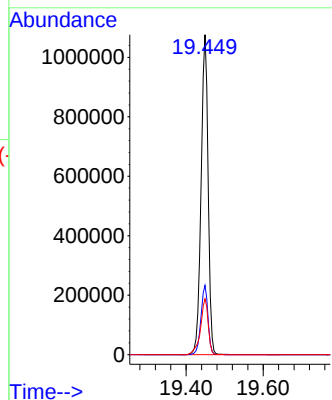
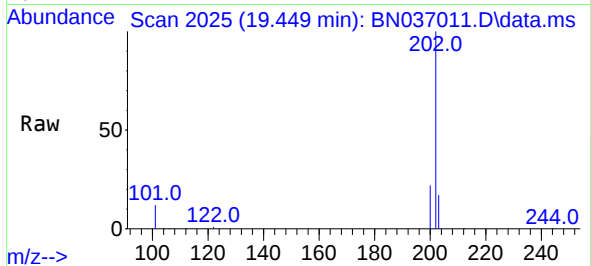




#30
Pyrene
Concen: 44.44 ng
RT: 19.449 min Scan# 2024
Delta R.T. 0.005 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

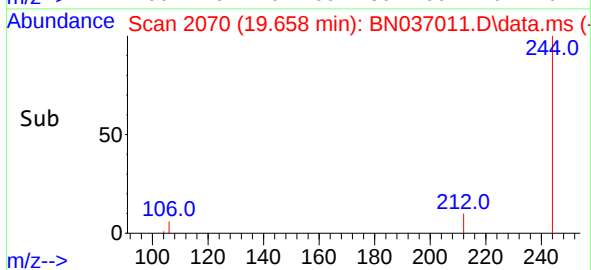
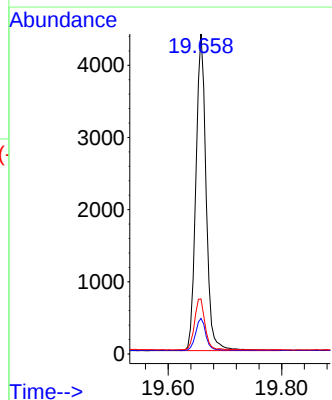
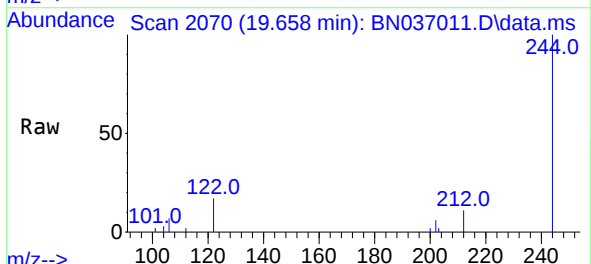
Instrument :
BNA_N
ClientSampleId :
38072-062223

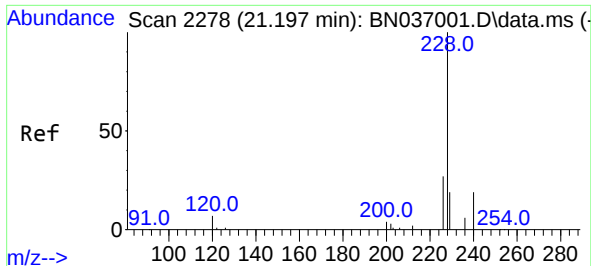
Tgt Ion:202 Resp: 1364347
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 19.2 14.2 21.4



#31
Terphenyl-d14
Concen: 0.36 ng
RT: 19.658 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Tgt Ion:244 Resp: 5469
Ion Ratio Lower Upper
244 100
212 11.1 9.7 14.5
122 17.2 13.4 20.0

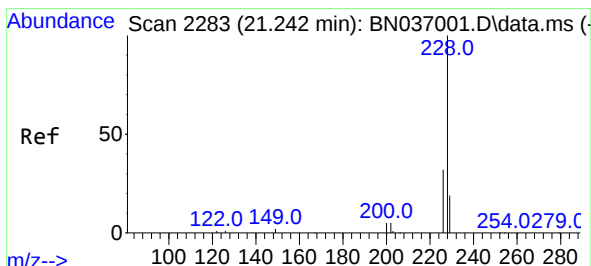
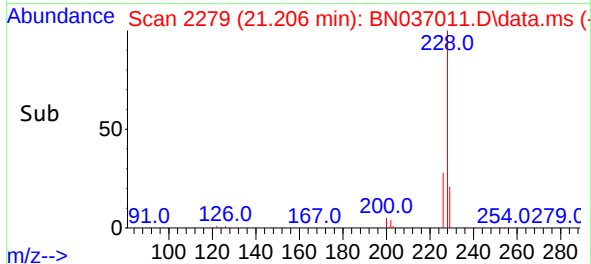
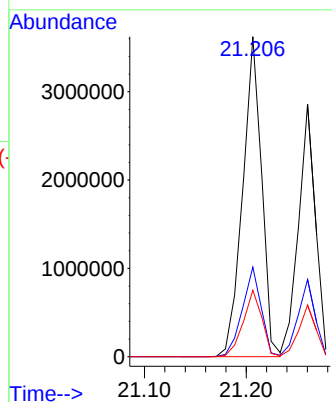
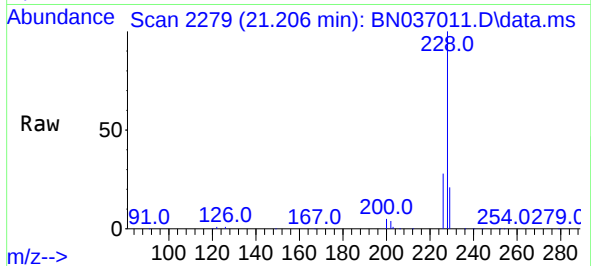




#32
Benzo(a)anthracene
Concen: 172.93 ng
RT: 21.206 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

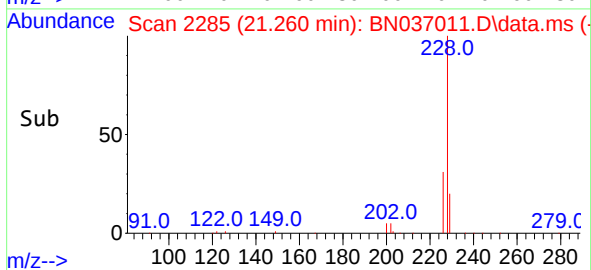
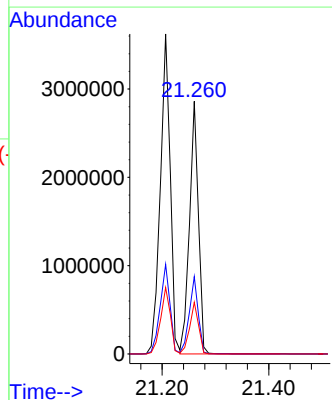
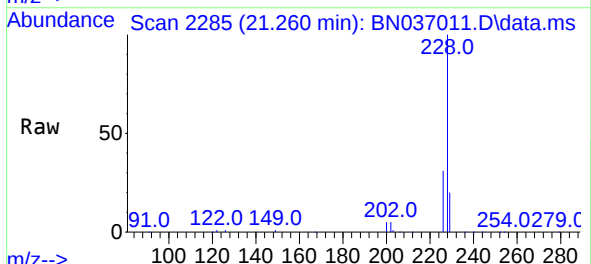
Instrument :
BNA_N
ClientSampleId :
38072-062223

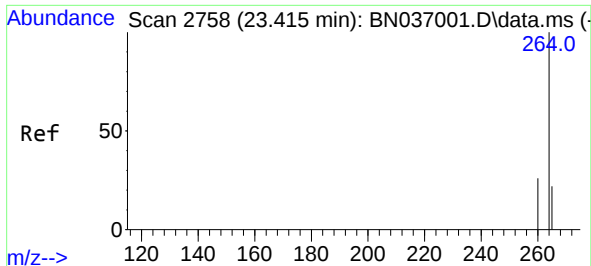
Tgt Ion:228 Resp: 4673852
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 20.7 16.0 24.0



#33
Chrysene
Concen: 116.46 ng
RT: 21.260 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

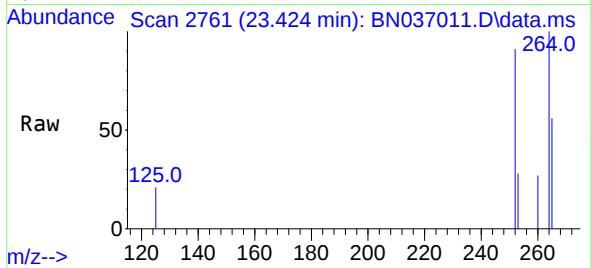
Tgt Ion:228 Resp: 3329241
Ion Ratio Lower Upper
228 100
226 30.6 26.3 39.5
229 20.5 16.2 24.2



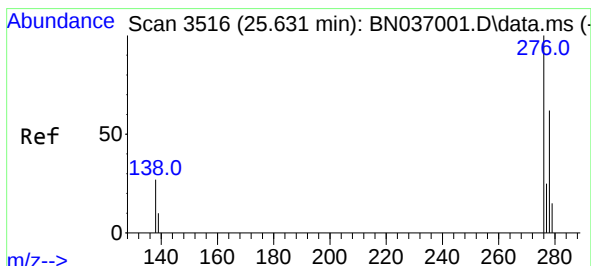
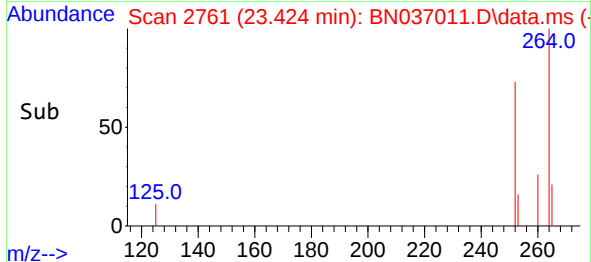
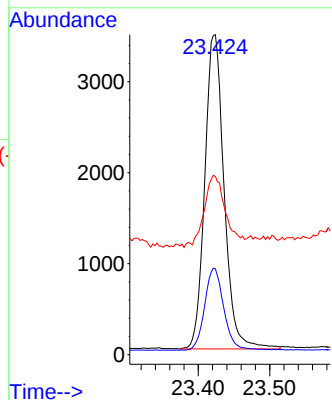


#35
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.424 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN037011.D
 Acq: 14 May 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 38072-062223

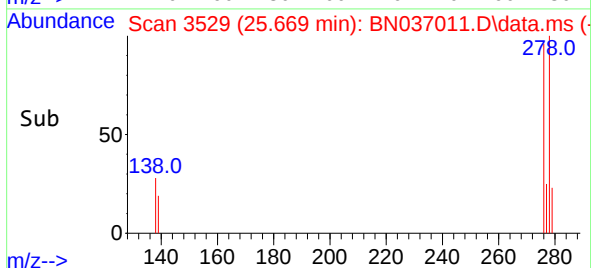
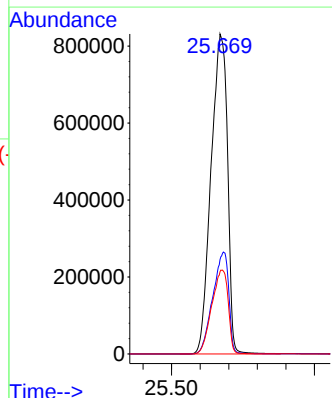
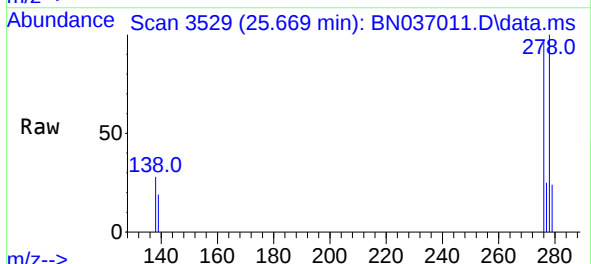


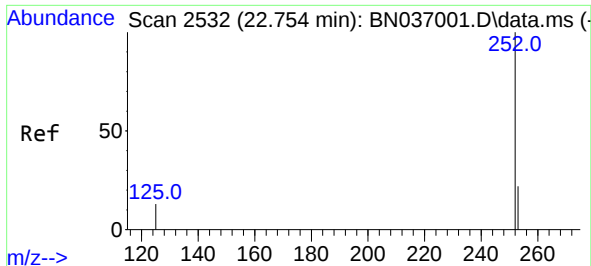
Tgt Ion:264 Resp: 6518
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.9 32.9
 265 55.7 51.6 77.4



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 124.66 ng
 RT: 25.669 min Scan# 3529
 Delta R.T. 0.038 min
 Lab File: BN037011.D
 Acq: 14 May 2025 12:03

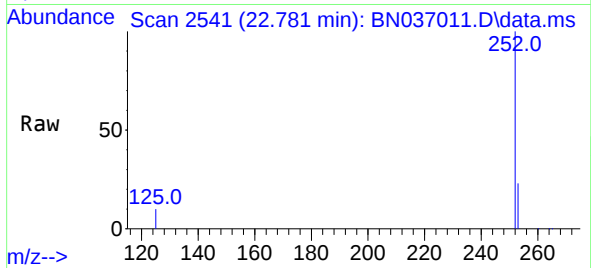
Tgt Ion:276 Resp: 3318399
 Ion Ratio Lower Upper
 276 100
 138 31.0 22.7 34.1
 277 26.2 20.0 30.0



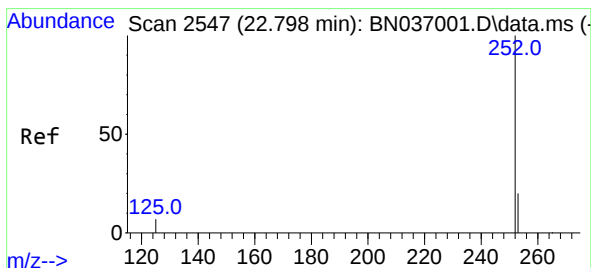
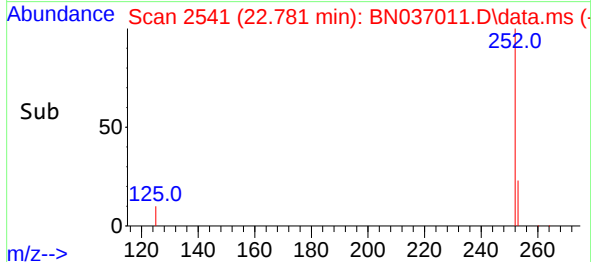
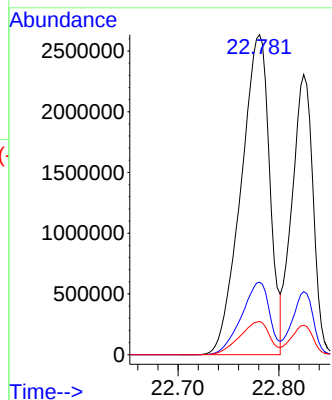


#37
Benzo(b)fluoranthene
Concen: 192.07 ng
RT: 22.781 min Scan# 2541
Delta R.T. 0.026 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Instrument :
BNA_N
ClientSampleId :
38072-062223

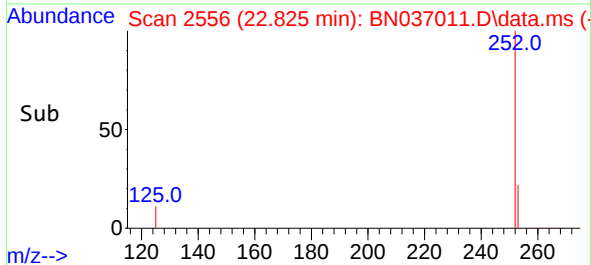
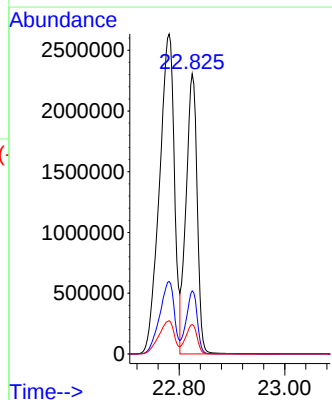
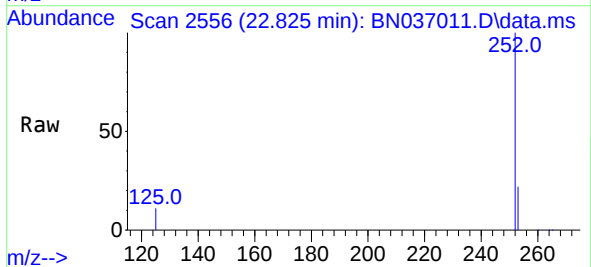


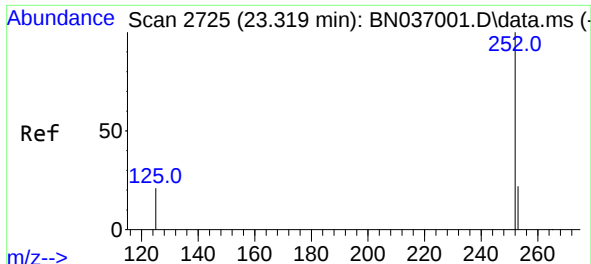
Tgt Ion:252 Resp: 5192757
Ion Ratio Lower Upper
252 100
253 22.7 21.8 32.6
125 10.4 14.6 21.8#



#38
Benzo(k)fluoranthene
Concen: 125.52 ng
RT: 22.825 min Scan# 2556
Delta R.T. 0.026 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

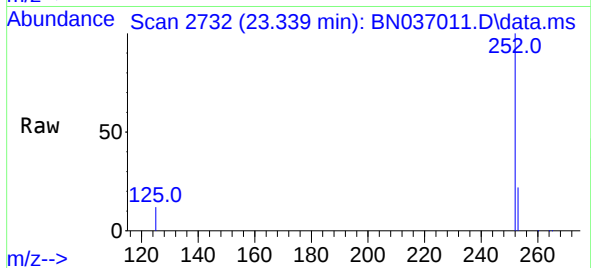
Tgt Ion:252 Resp: 3351501
Ion Ratio Lower Upper
252 100
253 22.5 21.4 32.2
125 10.5 13.0 19.4#



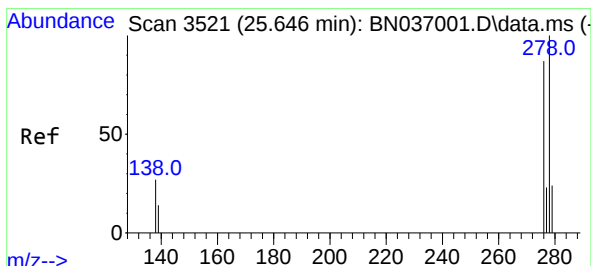
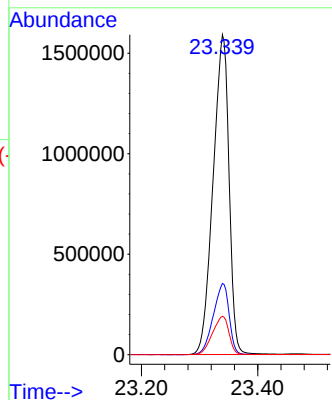


#39
Benzo(a)pyrene
Concen: 132.19 ng
RT: 23.339 min Scan# 21
Delta R.T. 0.020 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

Instrument :
BNA_N
ClientSampleId :
38072-062223

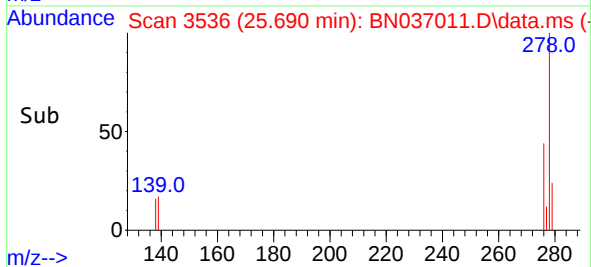
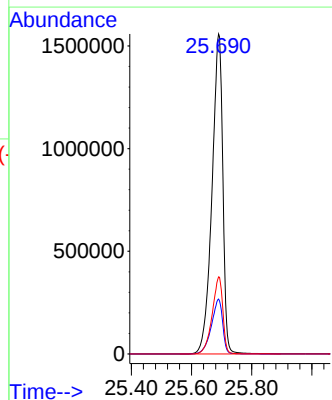
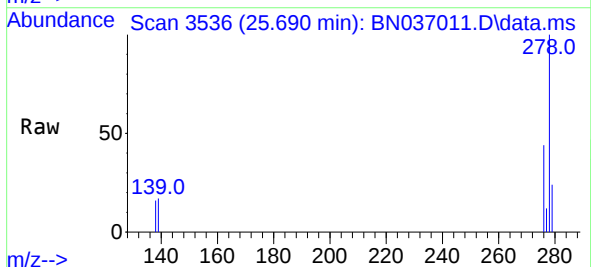


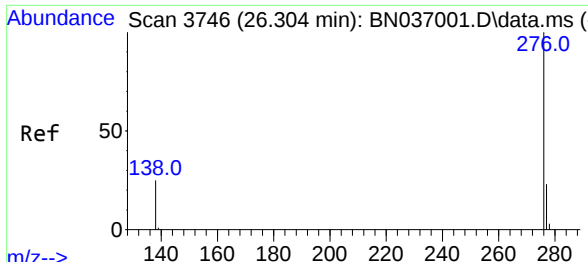
Tgt Ion:252 Resp: 3031565
Ion Ratio Lower Upper
252 100
253 22.2 23.8 35.6#
125 12.0 21.8 32.6#



#40
Dibenzo(a,h)anthracene
Concen: 187.40 ng
RT: 25.690 min Scan# 3536
Delta R.T. 0.044 min
Lab File: BN037011.D
Acq: 14 May 2025 12:03

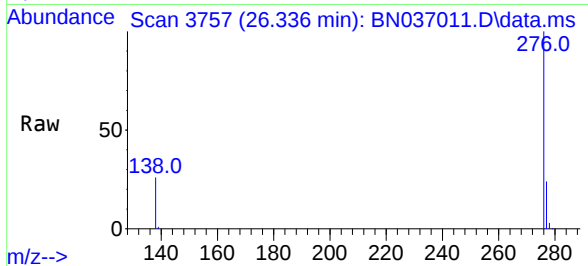
Tgt Ion:278 Resp: 3885738
Ion Ratio Lower Upper
278 100
139 17.1 17.4 26.0#
279 24.1 24.6 37.0#





#41
 Benzo(g,h,i)perylene
 Concen: 73.14 ng
 RT: 26.336 min Scan# 31
 Delta R.T. 0.032 min
 Lab File: BN037011.D
 Acq: 14 May 2025 12:03

Instrument :
 BNA_N
 ClientSampleId :
 38072-062223



Tgt Ion:276 Resp: 1647820
 Ion Ratio Lower Upper
 276 100
 277 23.6 20.2 30.4
 138 26.0 22.0 33.0

