Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
Data File : BN036977.D
Acq On : 08 May 2025 17:29
Operator : RC/JU
Sample : Q1939-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GB1B

Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4604	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2550	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5231	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.424	264	4646	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	675	0.151	ng	0.00
5) Phenol-d6	6.802	99	806	0.147	ng	0.00
8) Nitrobenzene-d5	8.781	82	639	0.133	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	893	0.139	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	156	0.137	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	1475	0.120	ng	0.00
27) Fluoranthene-d10	19.059	212	2053	0.151	ng	0.00
31) Terphenyl-d14	19.662	244	1336	0.123	ng	0.00
Target Compounds						Qvalue
25) Phenanthrene	17.058	178	675	0.039	ng	96
28) Fluoranthene	19.086	202	1351	0.070	ng	# 97
30) Pyrene	19.449	202	1267	0.057	ng	# 96
32) Benzo(a)anthracene	21.197	228	639	0.038	ng	# 79
33) Chrysene	21.251	228	634	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.144	149	1033	0.107	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.637	276	409	0.022	ng	# 75
41) Benzo(g,h,i)perylene	26.318	276	462	0.028	ng	# 56

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

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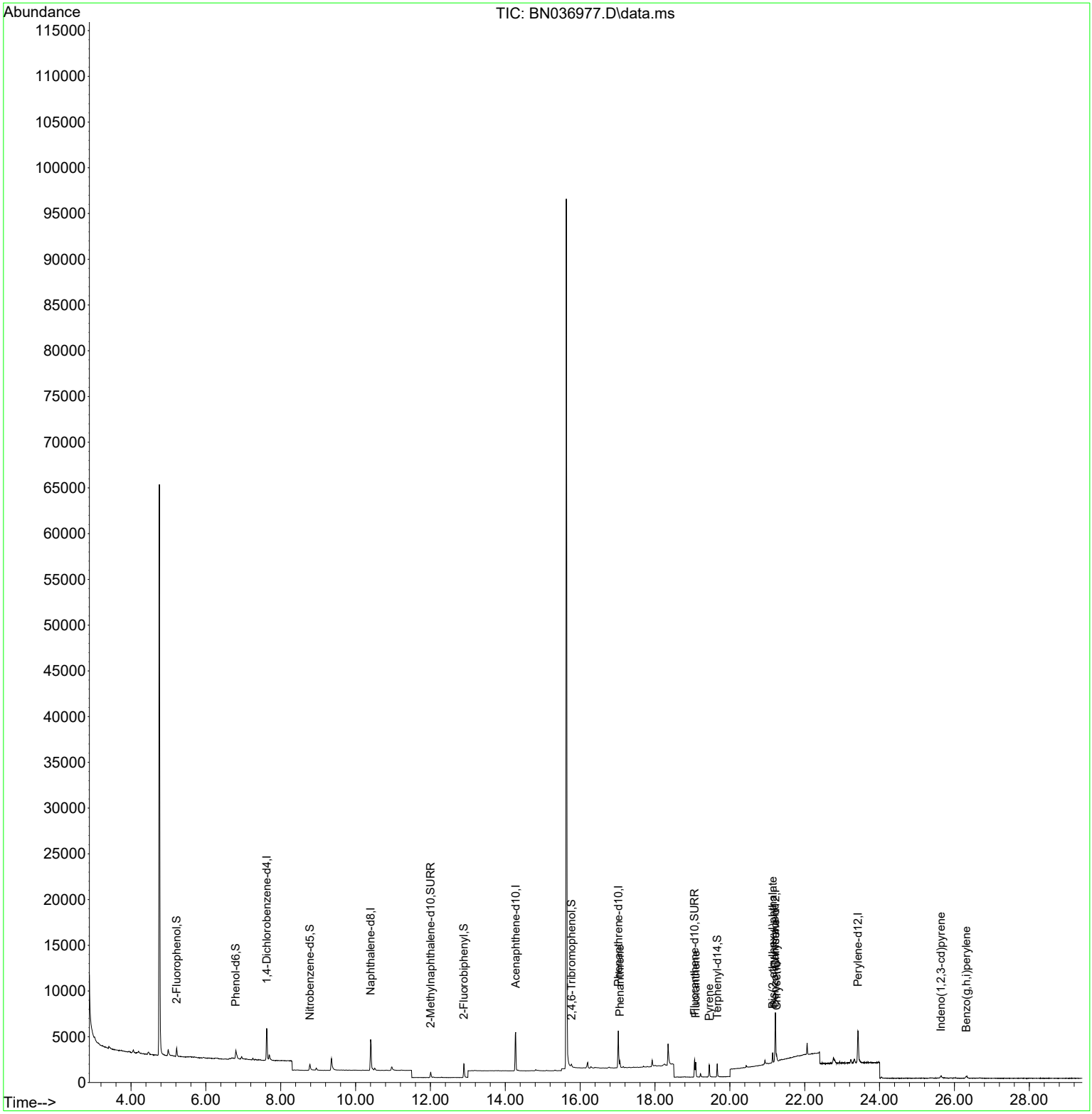
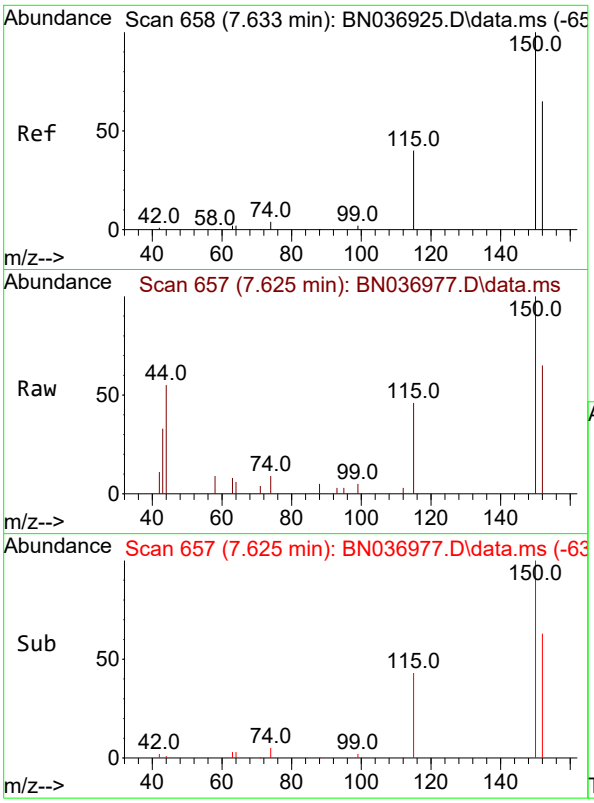


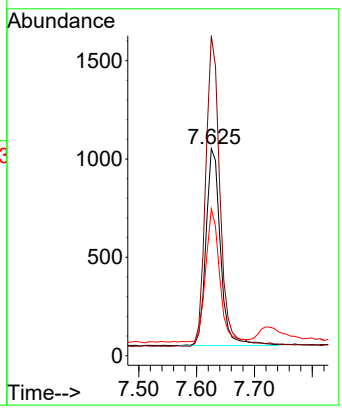


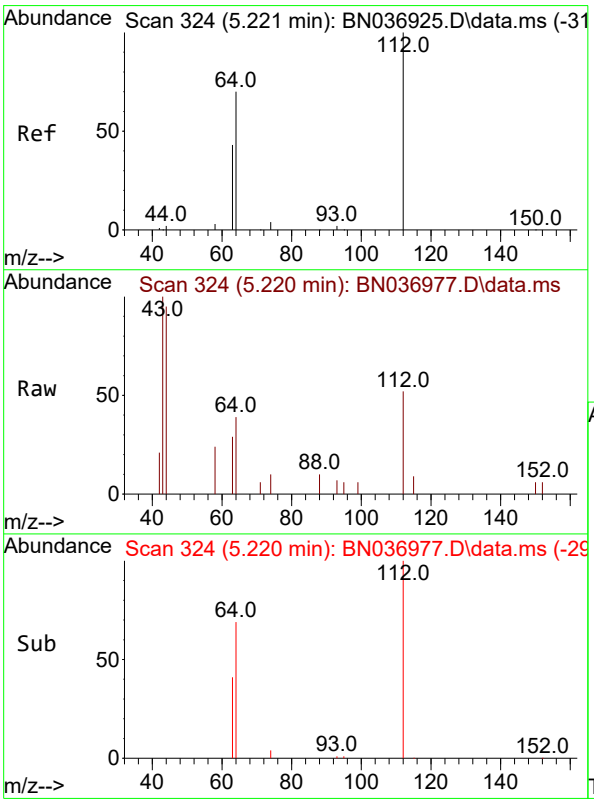
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 6
Delta R.T. -0.008 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:152 Resp: 1746

Ion	Ratio	Lower	Upper
152	100		
150	154.5	121.1	181.7
115	70.9	51.8	77.6

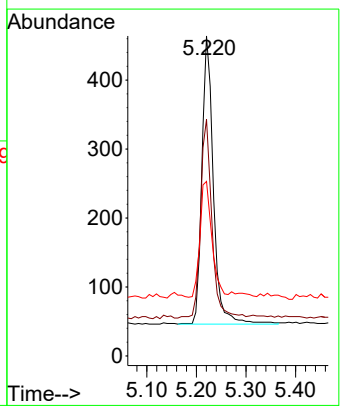


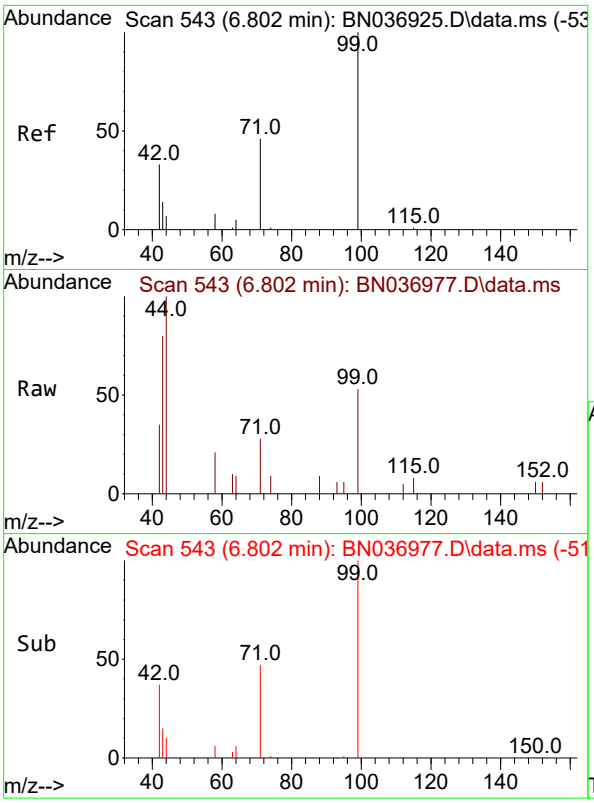


#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:112 Resp: 675

Ion	Ratio	Lower	Upper
112	100		
64	67.7	55.7	83.5
63	41.6	33.9	50.9



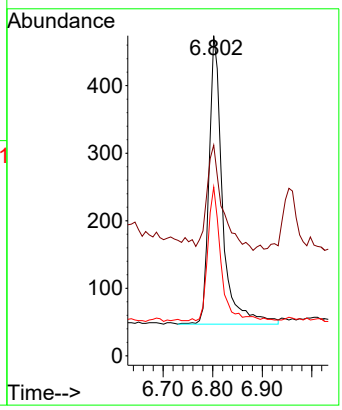


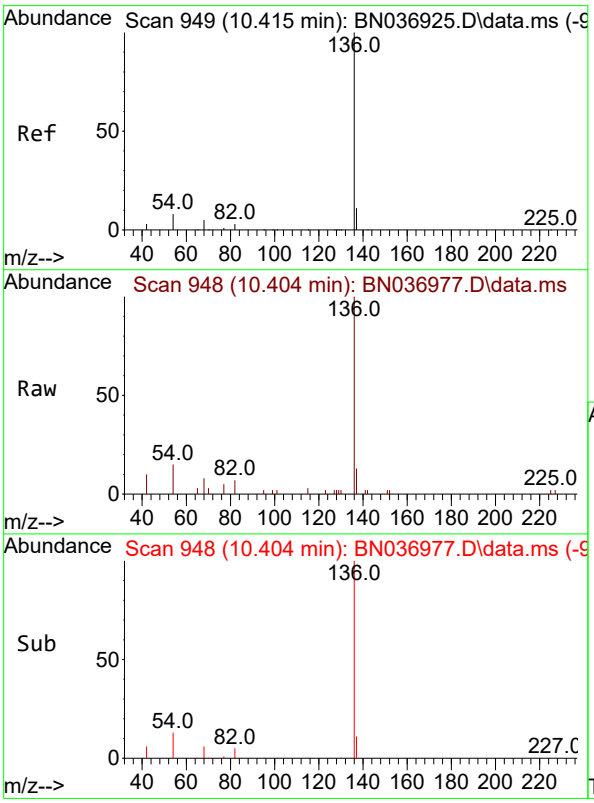
#5
Phenol-d6
Concen: 0.147 ng
RT: 6.802 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion: 99 Resp: 806

Ion	Ratio	Lower	Upper
99	100		
42	42.1	29.6	44.4
71	45.9	36.0	54.0

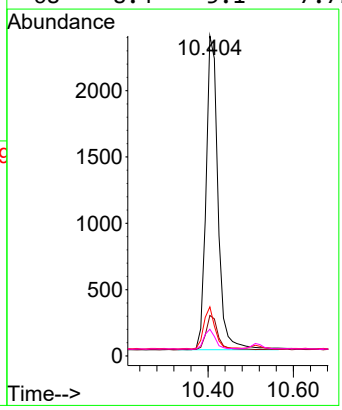


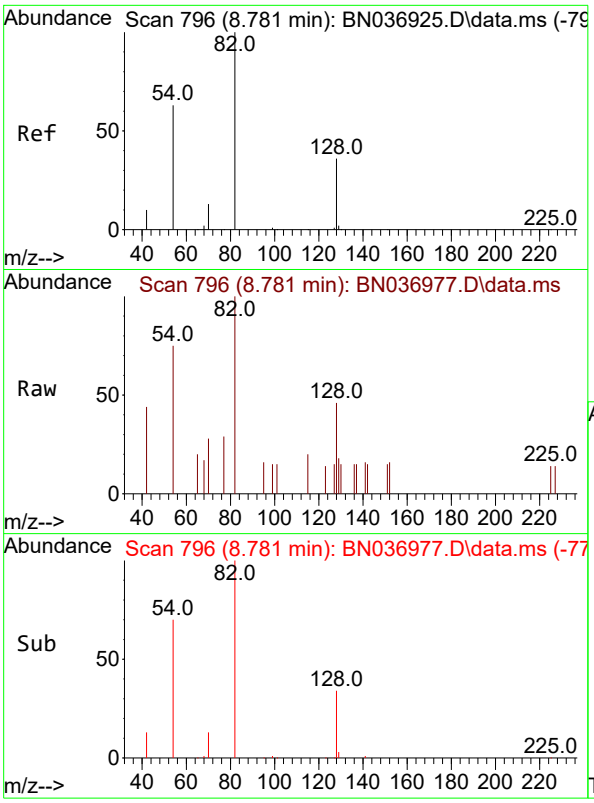


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:136 Resp: 4604

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.4	8.0	12.0#
68	8.4	5.1	7.7#



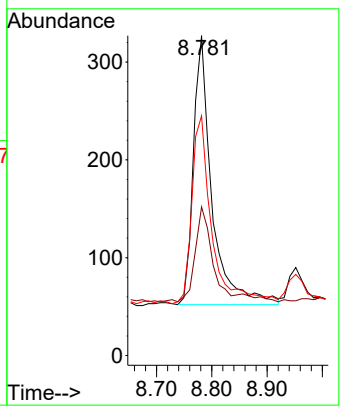


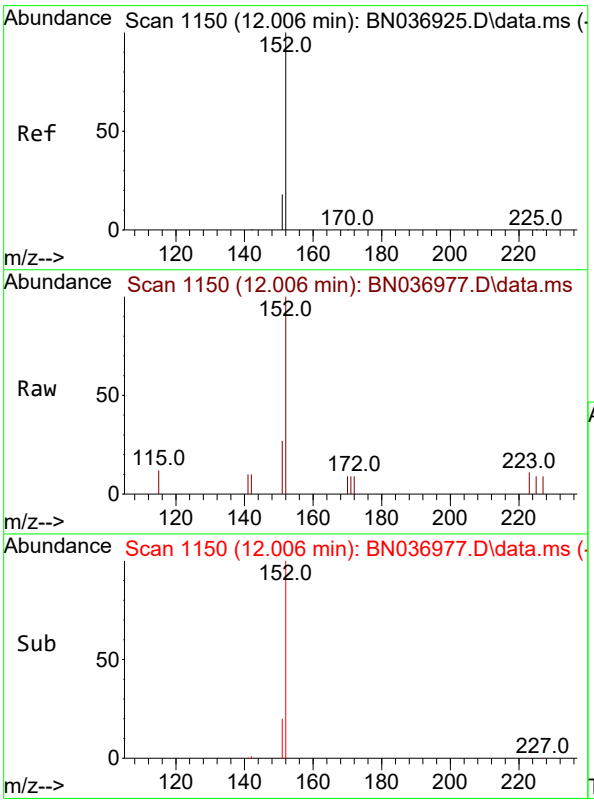
#8
Nitrobenzene-d5
Concen: 0.133 ng
RT: 8.781 min Scan# 7
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion: 82 Resp: 639

Ion	Ratio	Lower	Upper
82	100		
128	46.5	30.7	46.1#
54	74.9	52.1	78.1

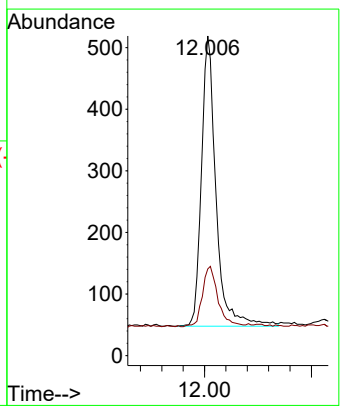


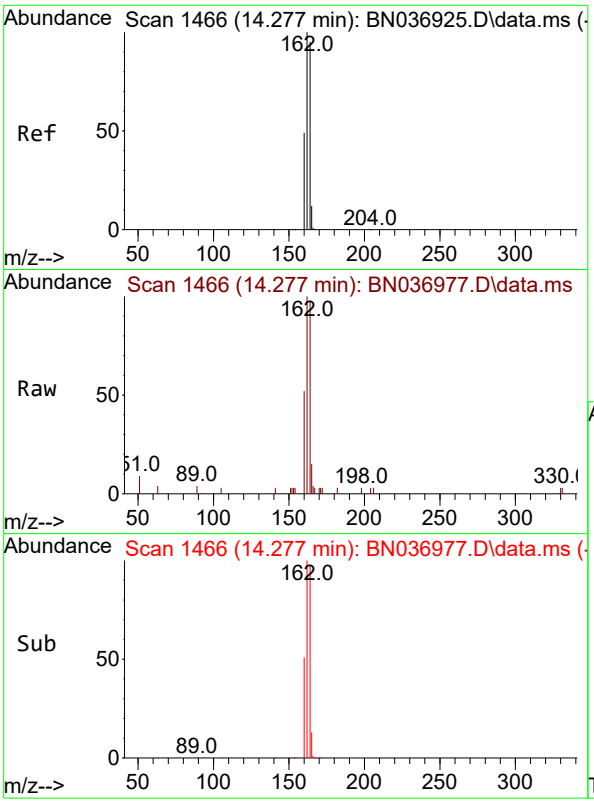


#11
2-Methylnaphthalene-d10
Concen: 0.139 ng
RT: 12.006 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:152 Resp: 893

Ion	Ratio	Lower	Upper
152	100		
151	22.4	16.9	25.3



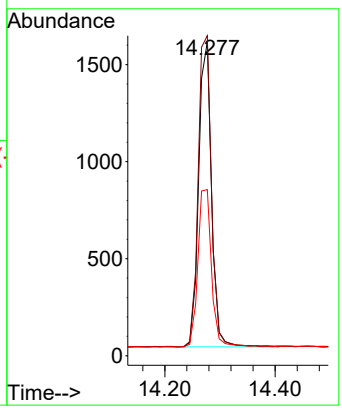


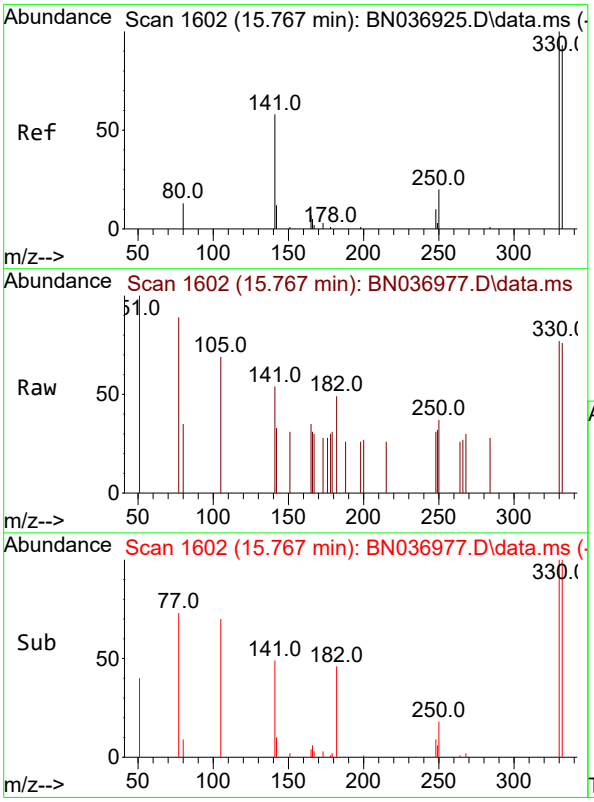
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:164 Resp: 2550

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.8	125.8
160	52.9	42.0	63.0

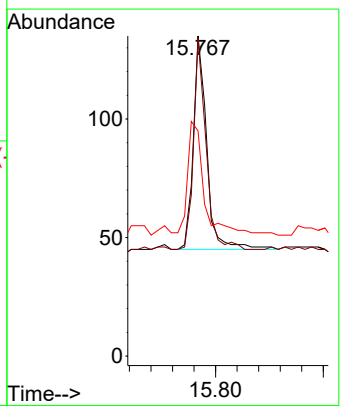


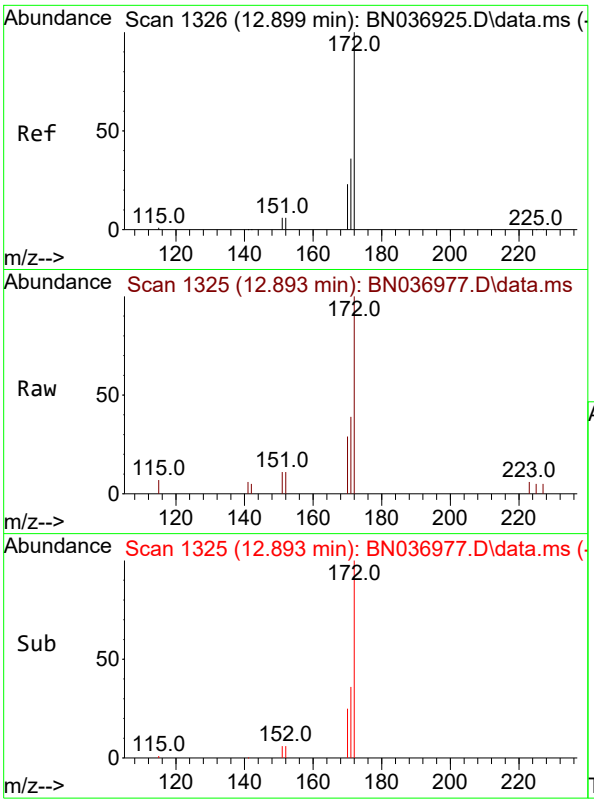


#14
2,4,6-Tribromophenol
Concen: 0.137 ng
RT: 15.767 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:330 Resp: 156

Ion	Ratio	Lower	Upper
330	100		
332	91.0	76.3	114.5
141	69.2	45.4	68.2#



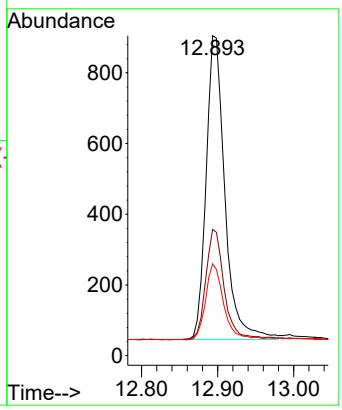


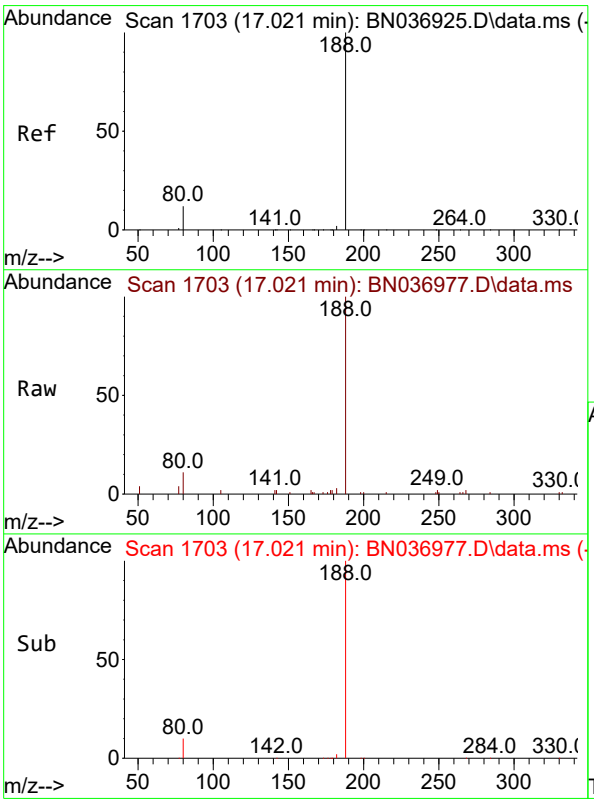
#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.893 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:172 Resp: 1475

Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.4	44.0
170	28.7	19.4	29.0

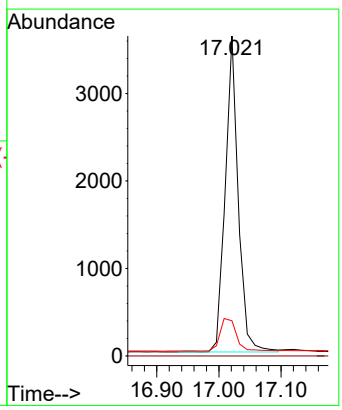


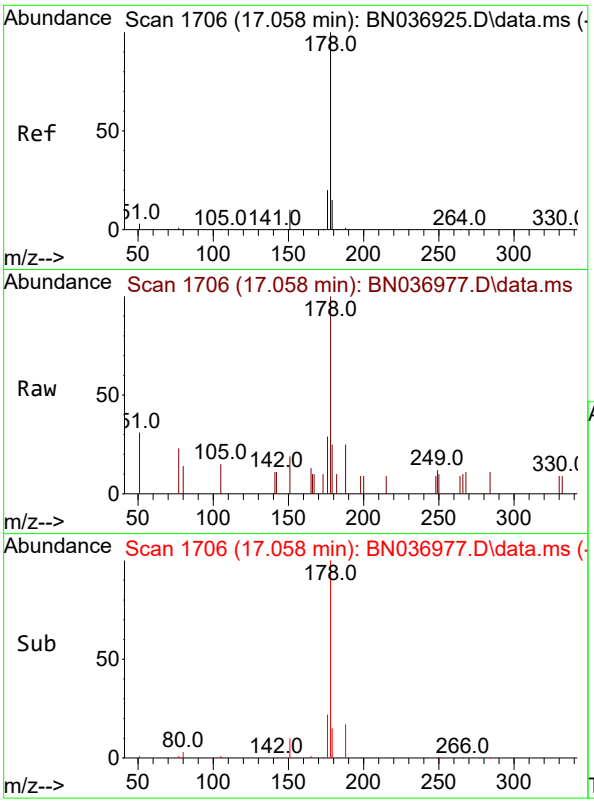


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:188 Resp: 5231

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	10.7	16.1



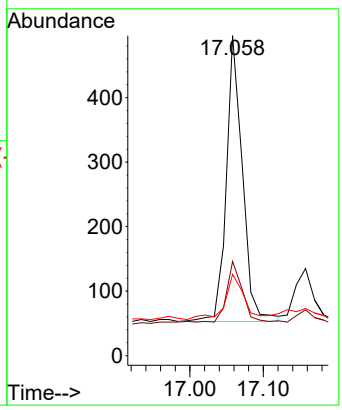


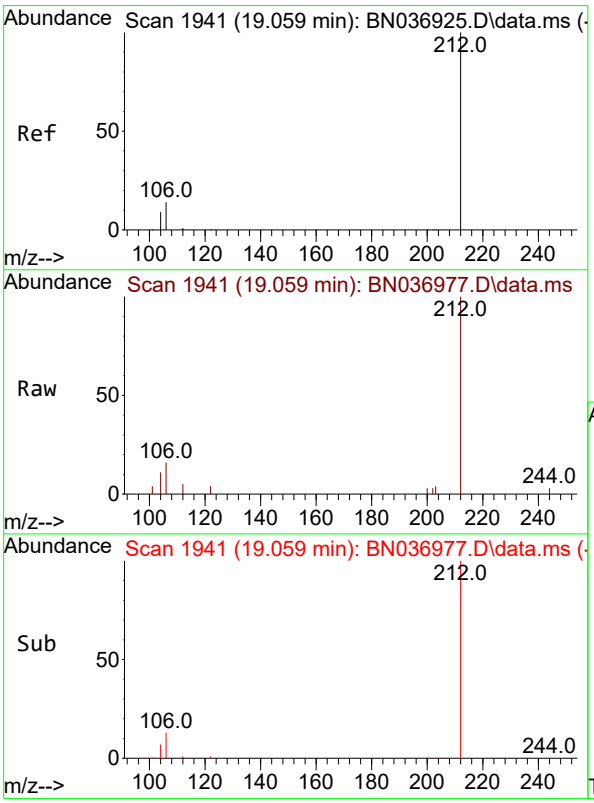
#25
Phenanthrene
Concen: 0.039 ng
RT: 17.058 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:178 Resp: 675

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.7	23.5
179	18.2	12.4	18.6

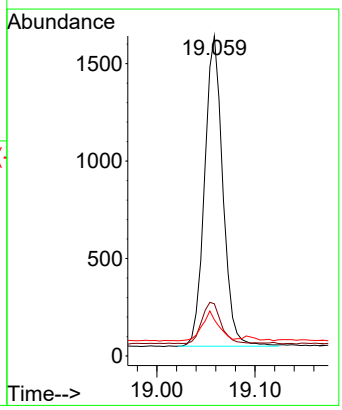


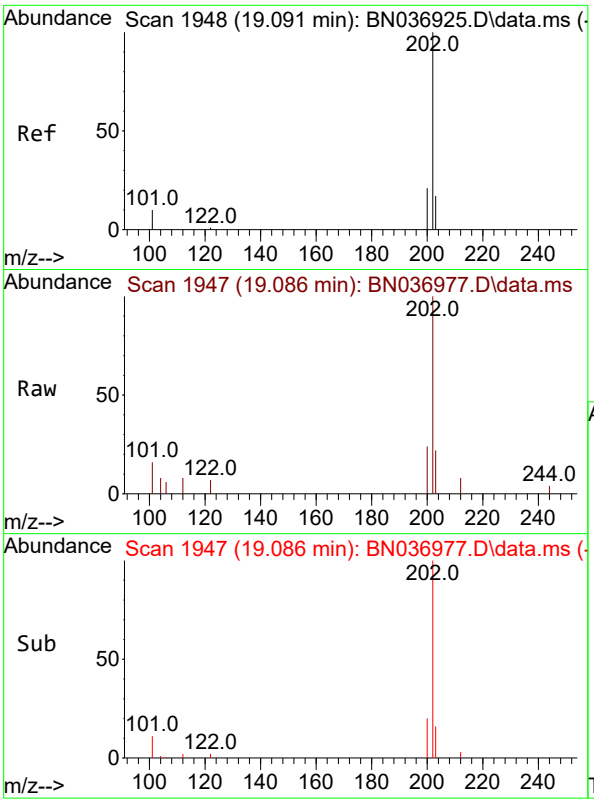


#27
Fluoranthene-d10
Concen: 0.151 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:212 Resp: 2053

Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.6	17.4
104	8.7	7.0	10.4



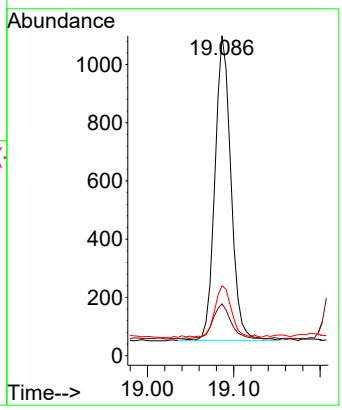


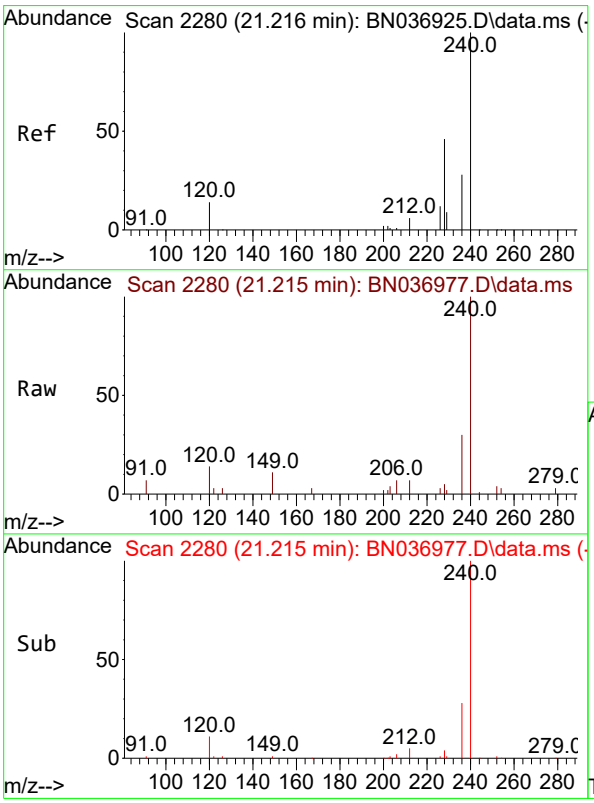
#28
Fluoranthene
Concen: 0.070 ng
RT: 19.086 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:202 Resp: 1351

Ion	Ratio	Lower	Upper
202	100		
101	12.9	8.5	12.7#
203	17.9	13.7	20.5

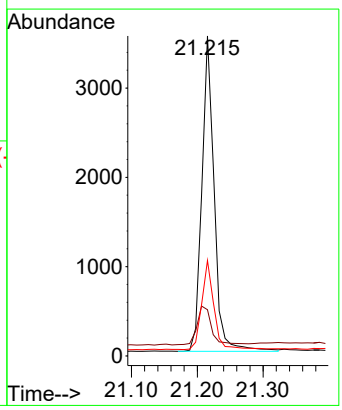


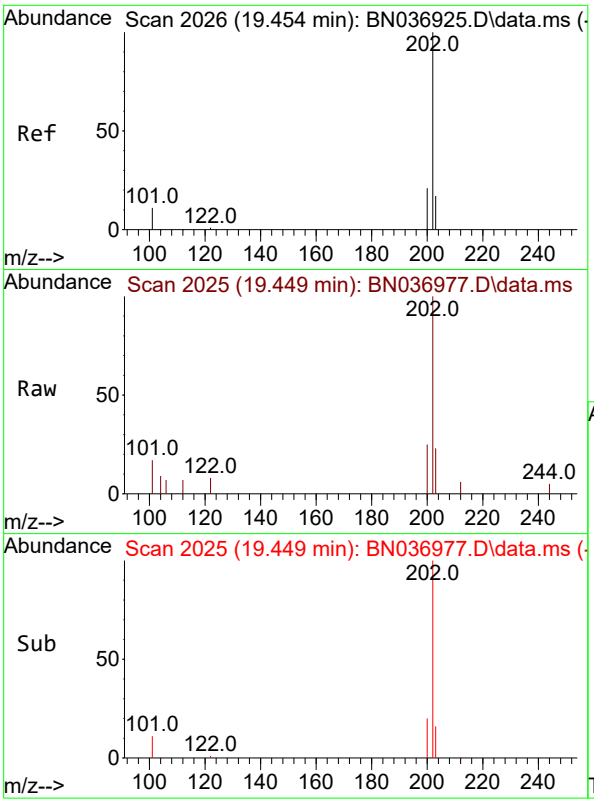


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:240 Resp: 4605

Ion	Ratio	Lower	Upper
240	100		
120	14.5	14.1	21.1
236	29.8	23.8	35.8



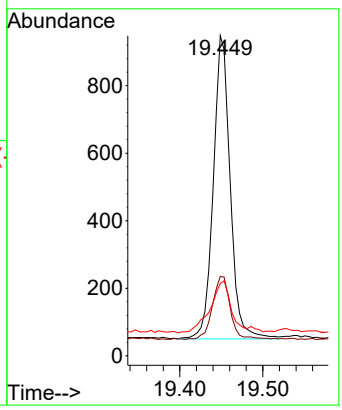


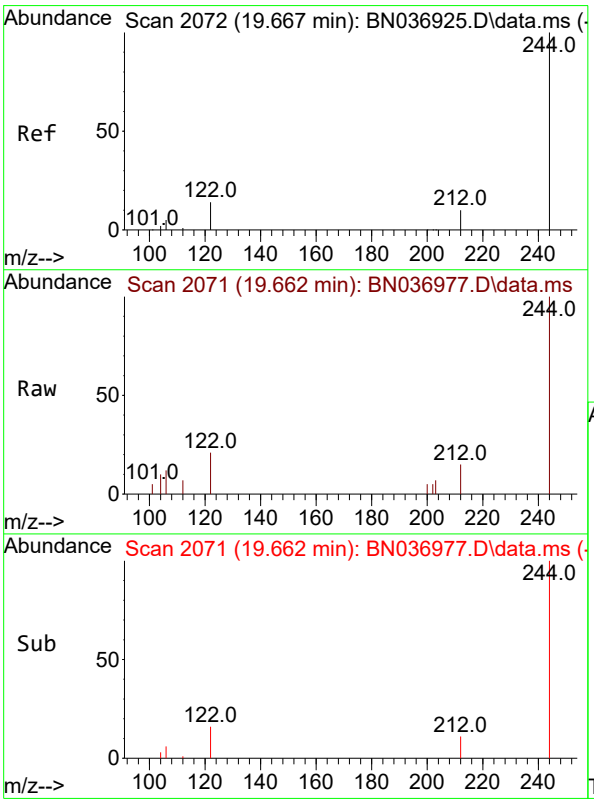
#30
Pyrene
Concen: 0.057 ng
RT: 19.449 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:202 Resp: 1267

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	21.2	14.0	21.0#

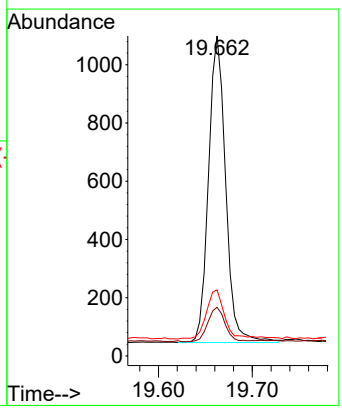


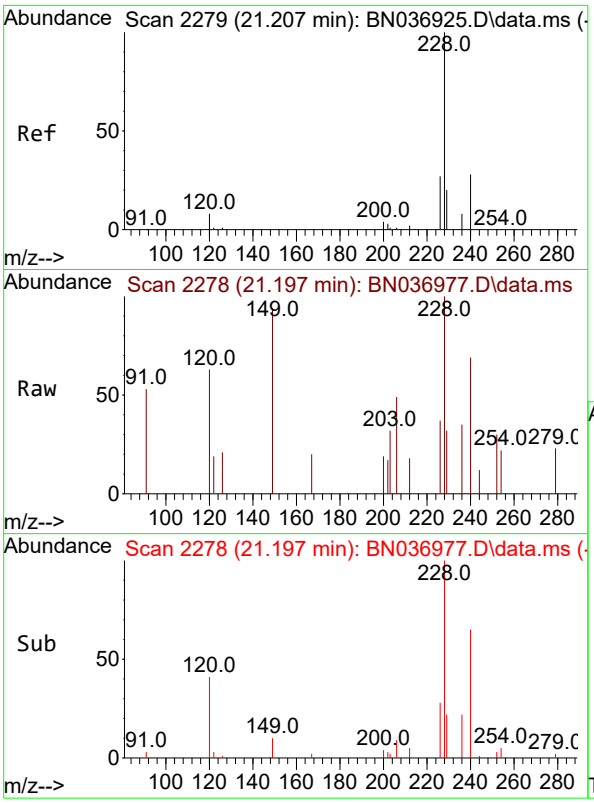


#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.662 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:244 Resp: 1336

Ion	Ratio	Lower	Upper
244	100		
212	15.2	9.6	14.4#
122	20.7	12.7	19.1#



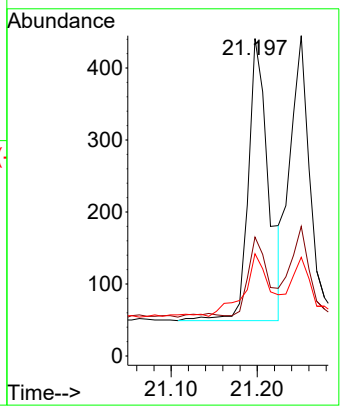


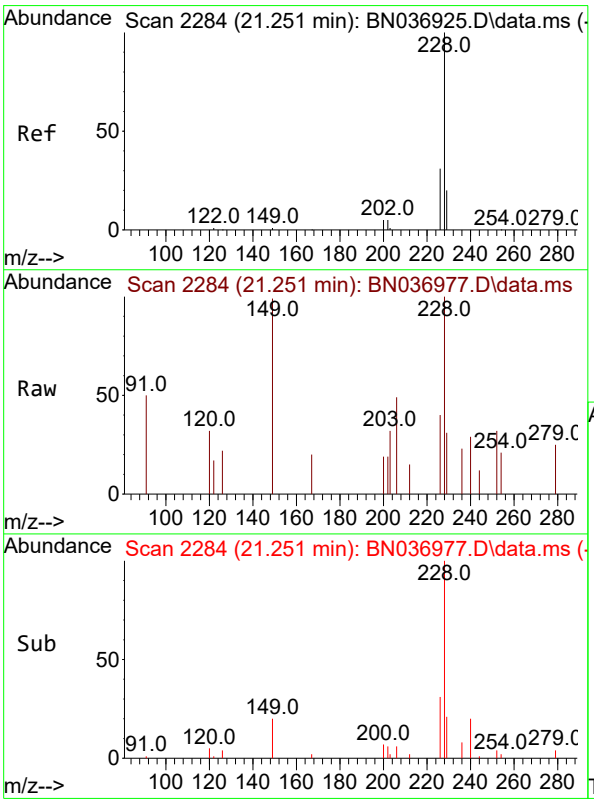
#32
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.197 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:228 Resp: 639

Ion	Ratio	Lower	Upper
228	100		
226	37.4	22.2	33.4#
229	32.2	16.4	24.6#

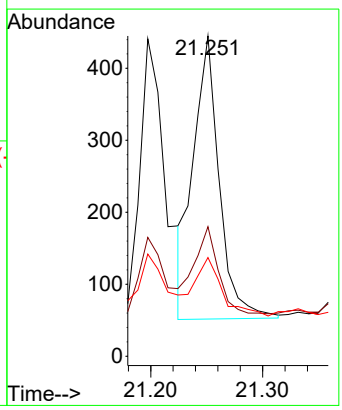


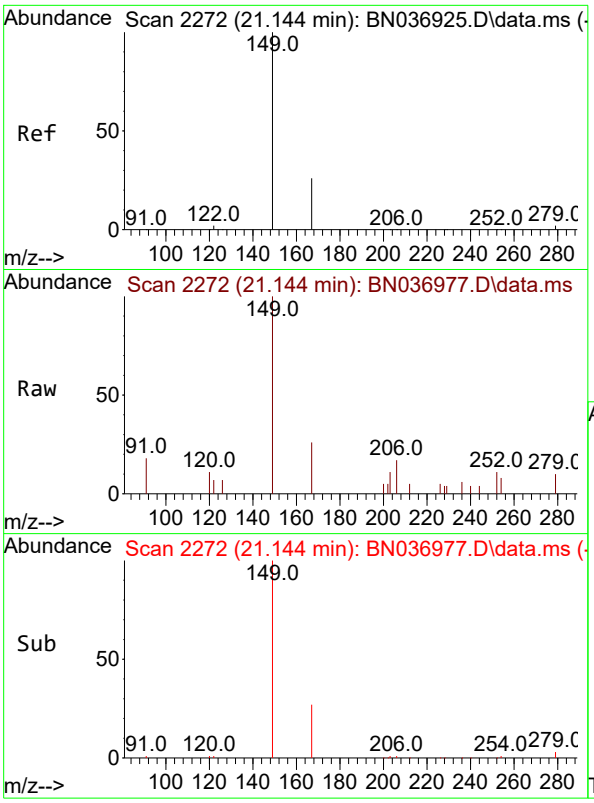


#33
Chrysene
Concen: 0.035 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:228 Resp: 634

Ion	Ratio	Lower	Upper
228	100		
226	40.4	25.5	38.3#
229	30.8	16.5	24.7#



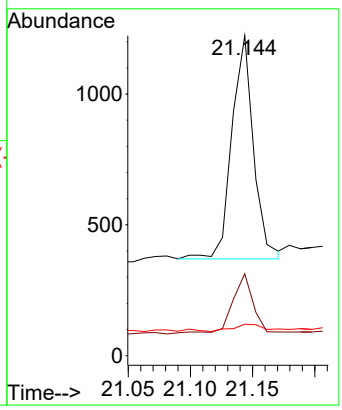


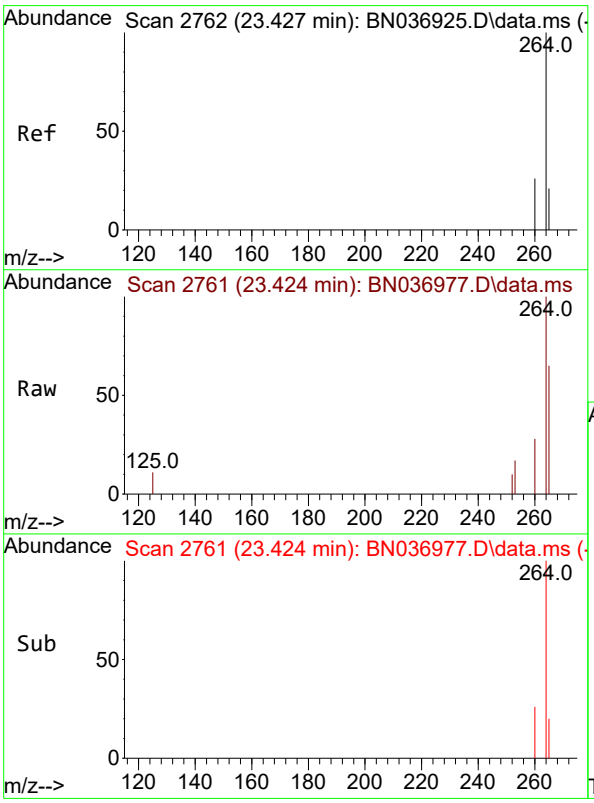
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.107 ng
RT: 21.144 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:149 Resp: 1033

Ion	Ratio	Lower	Upper
149	100		
167	24.4	21.0	31.6
279	5.2	2.7	4.1#

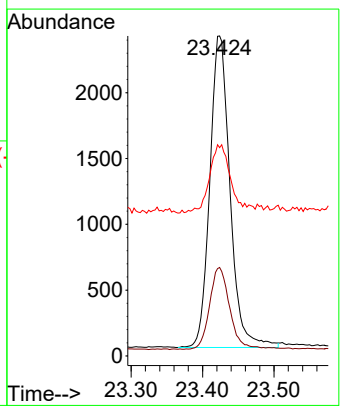


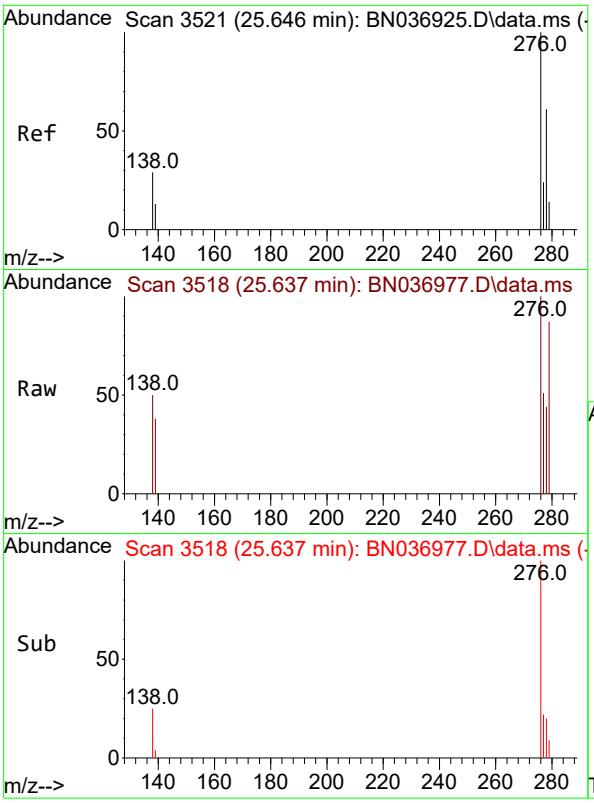


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 2761
Delta R.T. -0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:264 Resp: 4646

Ion	Ratio	Lower	Upper
264	100		
260	27.6	22.2	33.2
265	65.1	65.8	98.6#



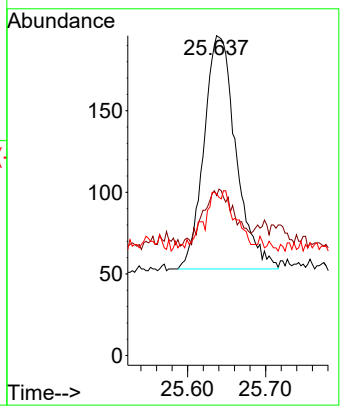


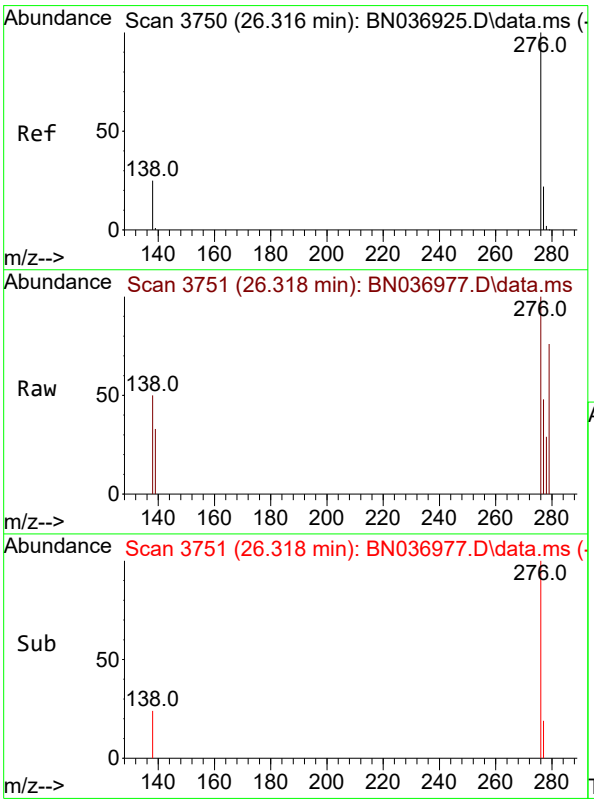
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 25.637 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

Tgt Ion:276 Resp: 409

Ion	Ratio	Lower	Upper
276	100		
138	22.2	23.0	34.6#
277	5.6	20.0	30.0#





#41
Benzo(g,h,i)perylene
Concen: 0.028 ng
RT: 26.318 min Scan# 3751
Delta R.T. 0.003 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:276 Resp: 462

Ion	Ratio	Lower	Upper
276	100		
277	47.8	20.2	30.2#
138	50.2	21.9	32.9#