Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102025\
Data File : BN038108.D
Acq On : 20 Oct 2025 21:34
Operator : RC/JU
Sample : Q3371-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Quant Time: Oct 21 02:29:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:23:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	7491	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	19850	0.400	ng	# 0.00
13) Acenaphthene-d10	14.441	164	10193	0.400	ng	0.00
19) Phenanthrene-d10	17.198	188	19689	0.400	ng	0.00
29) Chrysene-d12	21.384	240	16604	0.400	ng	0.00
35) Perylene-d12	23.692	264	14840	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.355	112	13	0.001	ng	0.00
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.939	82	4685	0.309	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	375	0.014	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	705	0.182	ng	-0.01
15) 2-Fluorobiphenyl	13.062	172	13228	0.317	ng	0.00
27) Fluoranthene-d10	19.229	212	2137	0.043	ng	0.00
31) Terphenyl-d14	19.829	244	17304	0.523	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.268	88	562	0.074	ng	# 80
6) bis(2-Chloroethyl)ether	7.190	93	169353	8.122	ng	# 44
34) Bis(2-ethylhexyl)phtha...	21.304	149	3417	0.149	ng	# 99

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

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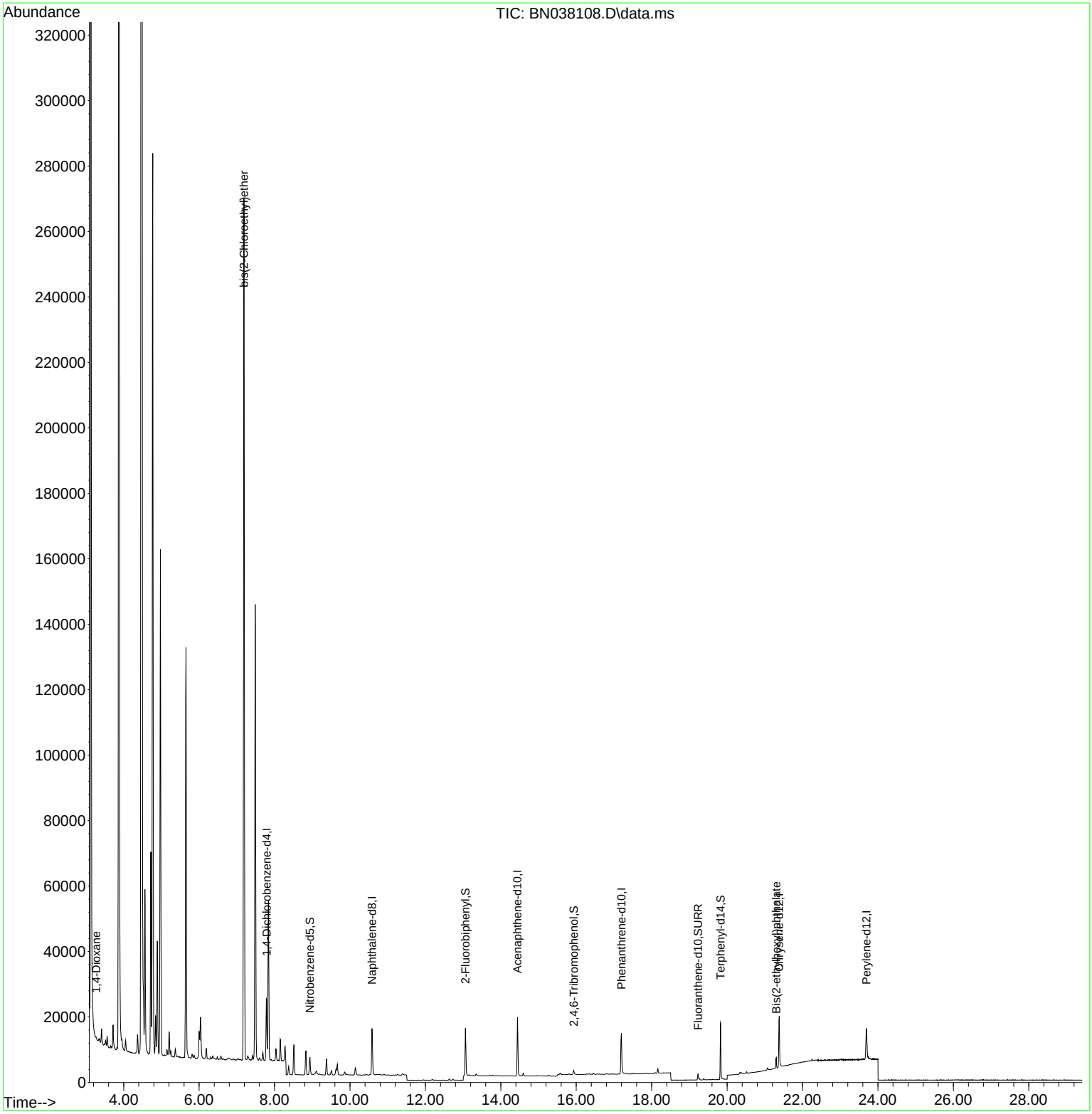
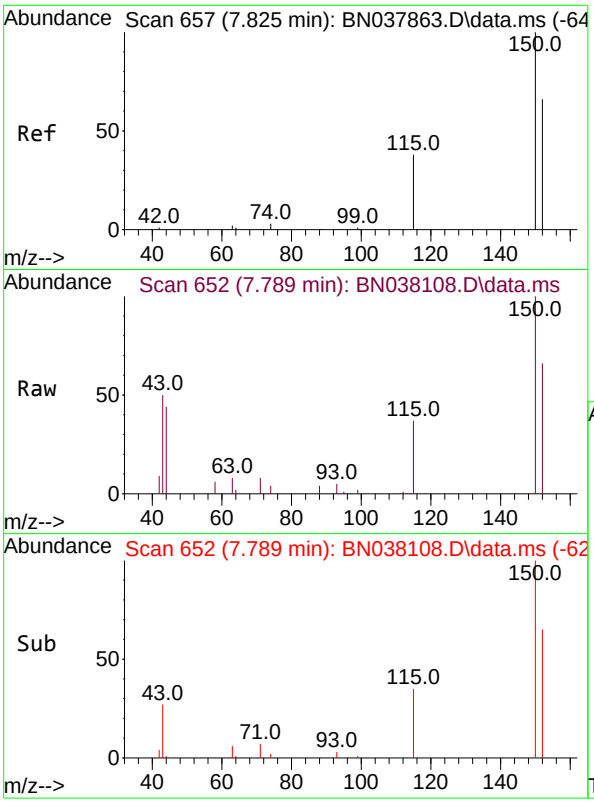


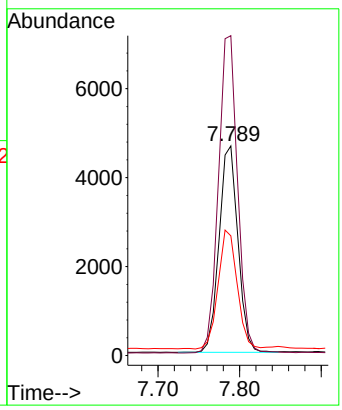


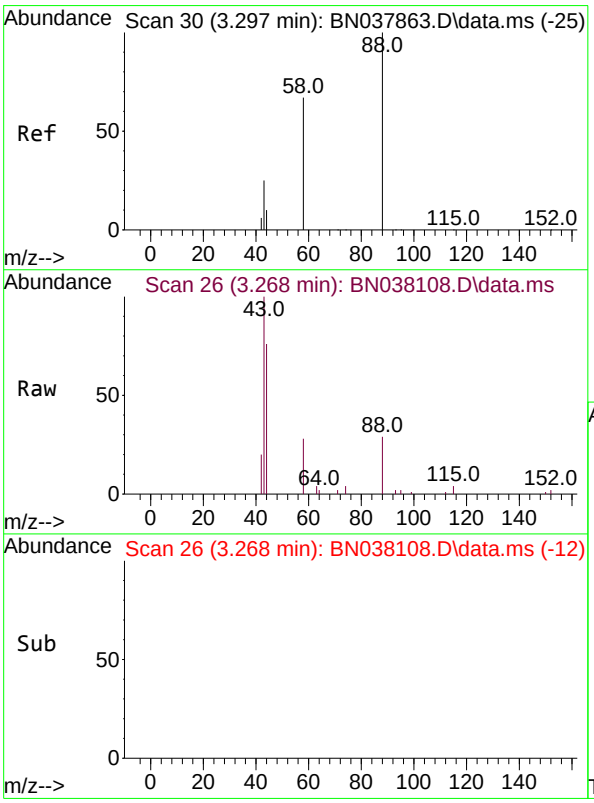
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:152 Resp: 7491

Ion	Ratio	Lower	Upper
152	100		
150	152.6	121.0	181.4
115	57.1	47.4	71.0

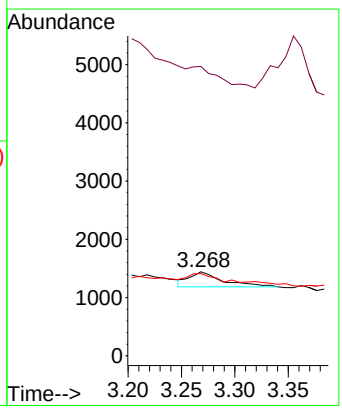


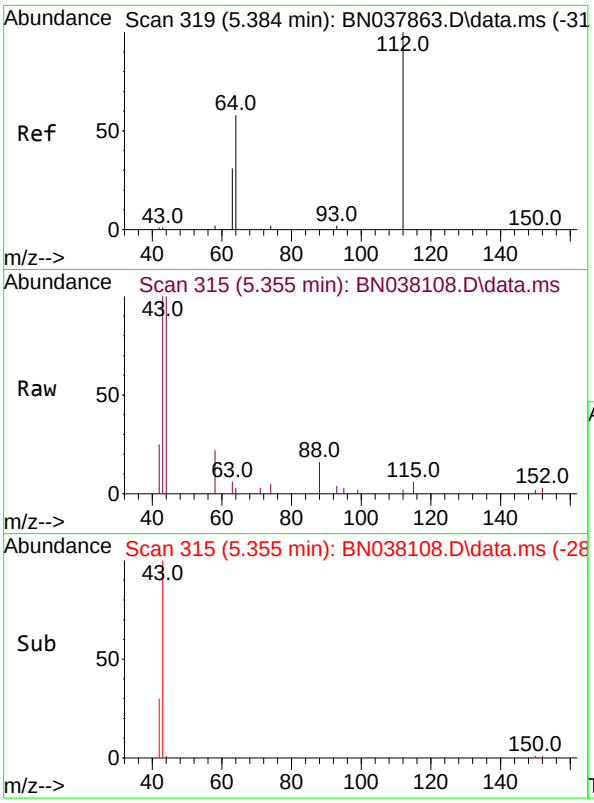


#2
1,4-Dioxane
Concen: 0.074 ng
RT: 3.268 min Scan# 26
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion: 88 Resp: 562

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	75.3	58.9	88.3



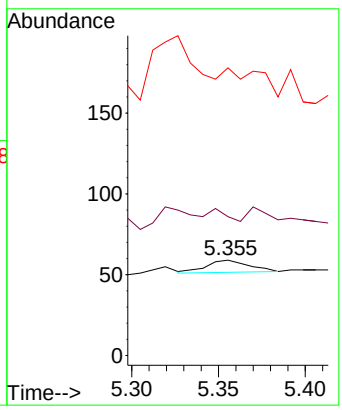


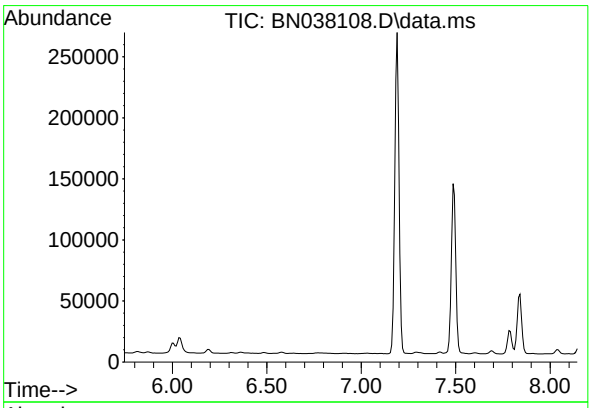
#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.355 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:112 Resp: 13

Ion	Ratio	Lower	Upper
112	100		
64	100.0	44.6	66.8#
63	0.0	24.9	37.3#



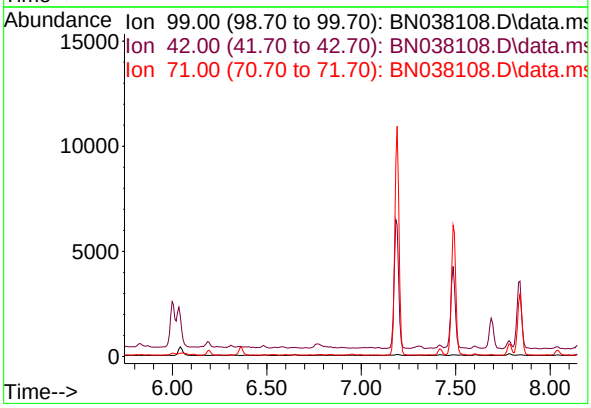


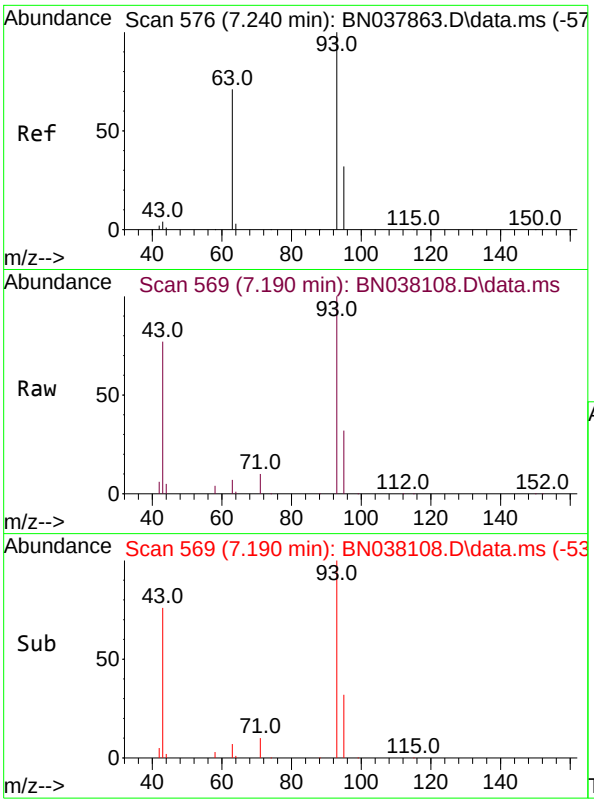
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.94 min

Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	21.5
71	34.1



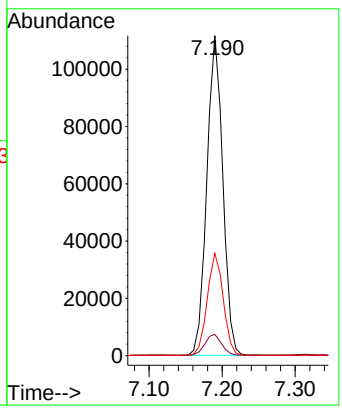


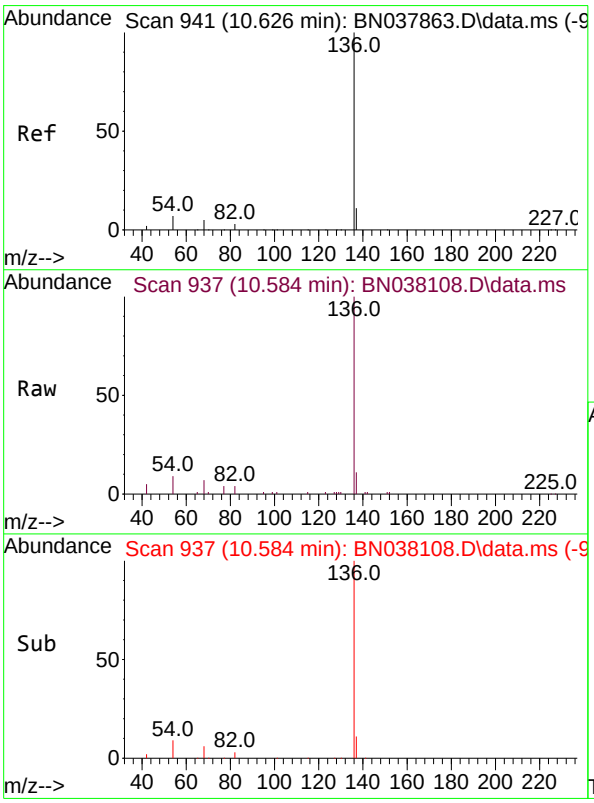
#6
bis(2-Chloroethyl)ether
Concen: 8.122 ng
RT: 7.190 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion: 93 Resp: 169353

Ion	Ratio	Lower	Upper
93	100		
63	6.7	60.1	90.1#
95	31.9	25.4	38.2

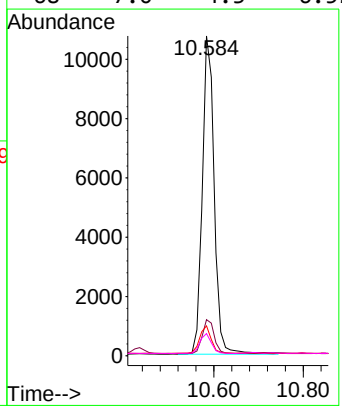


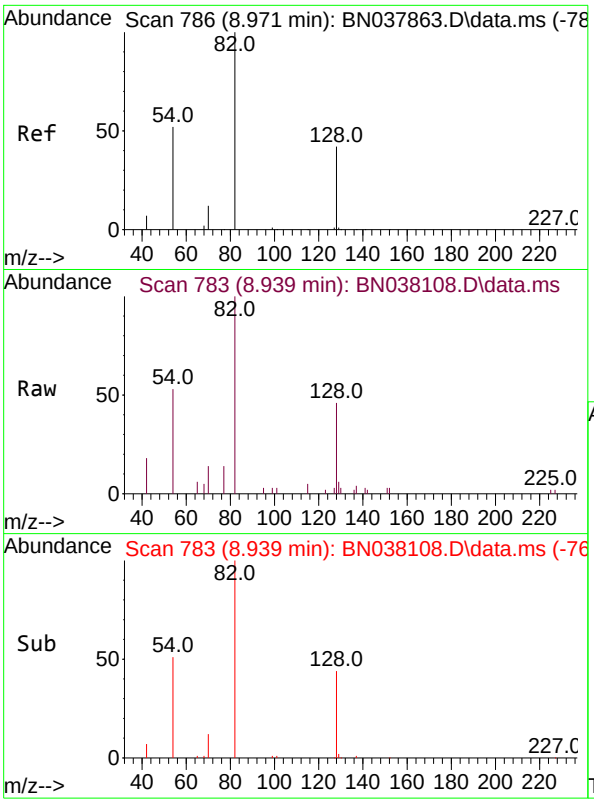


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:136 Resp: 19850

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.4	5.8	8.8#
68	7.0	4.3	6.5#



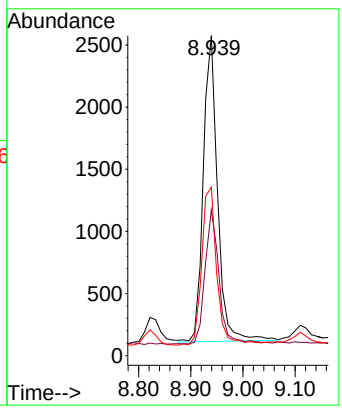


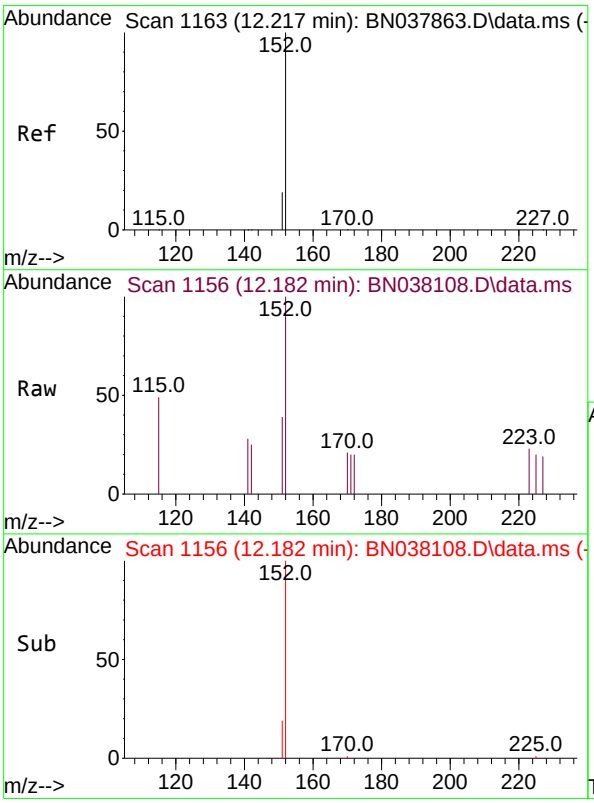
#8
Nitrobenzene-d5
Concen: 0.309 ng
RT: 8.939 min Scan# 78
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion: 82 Resp: 4685

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.8	52.2
54	52.6	42.2	63.2

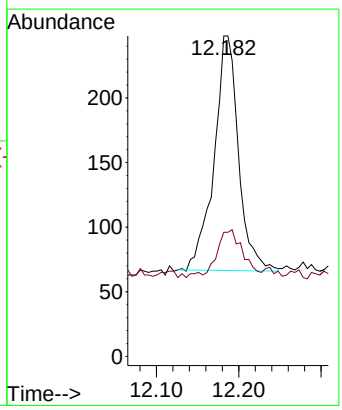


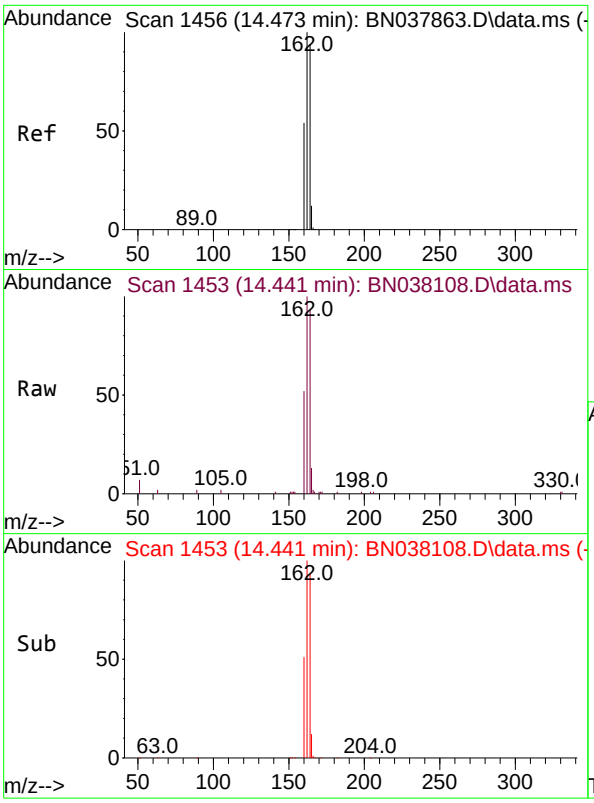


#11
2-Methylnaphthalene-d10
Concen: 0.014 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:152 Resp: 375

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.4	26.2



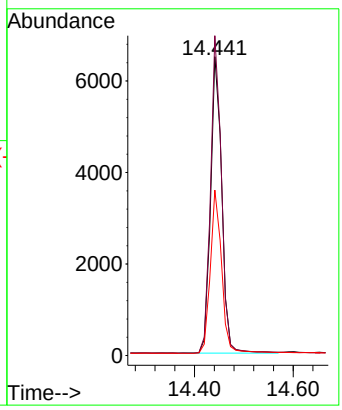


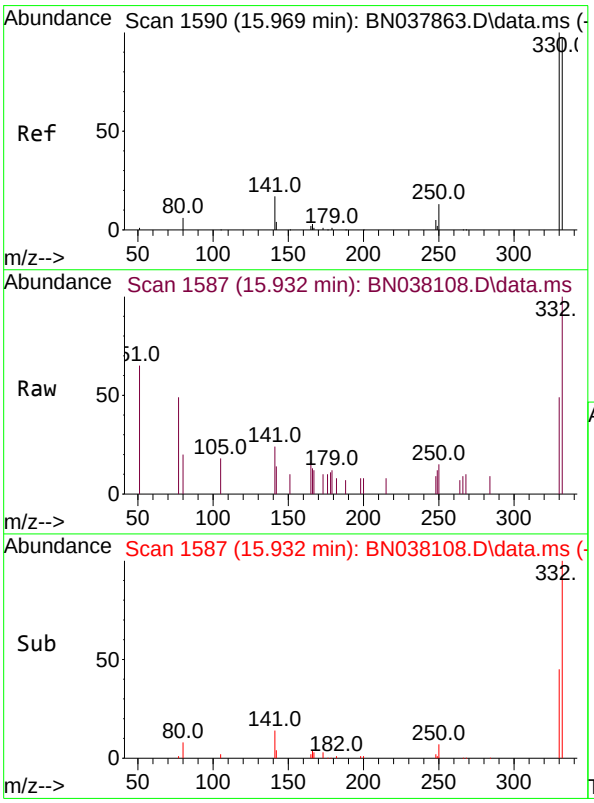
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:164 Resp: 10193

Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.8	127.2
160	55.4	46.1	69.1

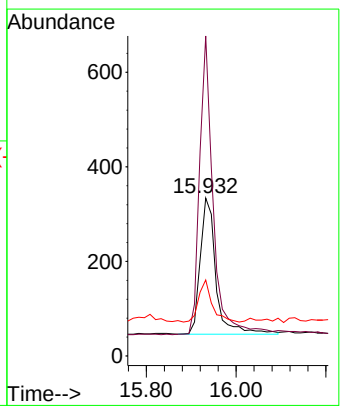


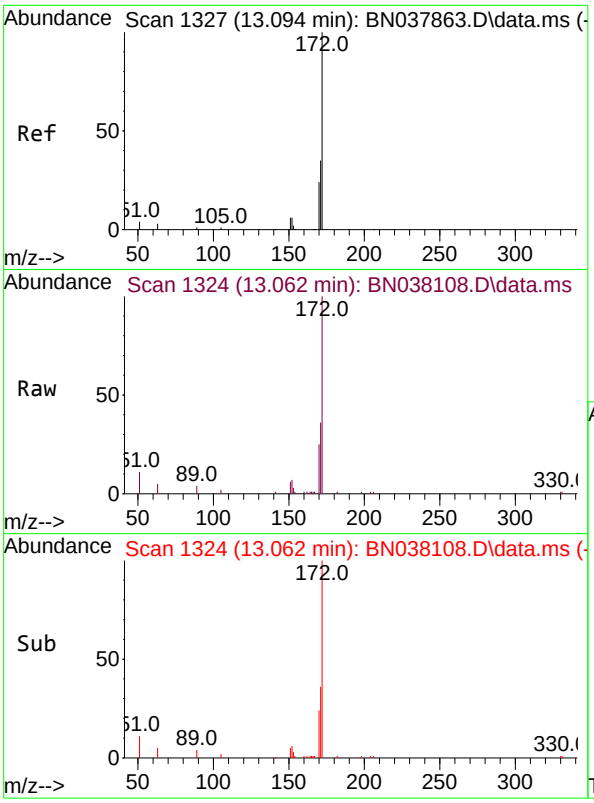


#14
2,4,6-Tribromophenol
Concen: 0.182 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:330 Resp: 705

Ion	Ratio	Lower	Upper
330	100		
332	188.1	77.2	115.8#
141	25.8	37.2	55.8#



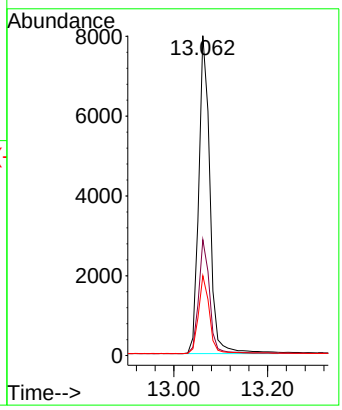


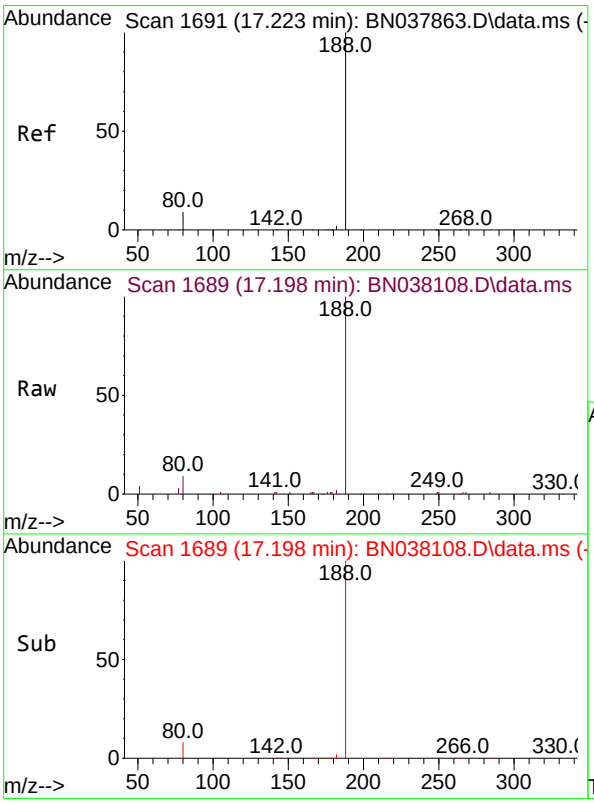
#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.062 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:172 Resp: 13228

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	25.0	19.7	29.5

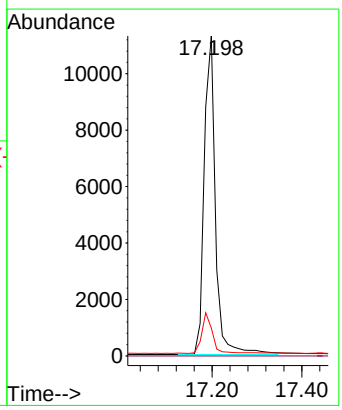


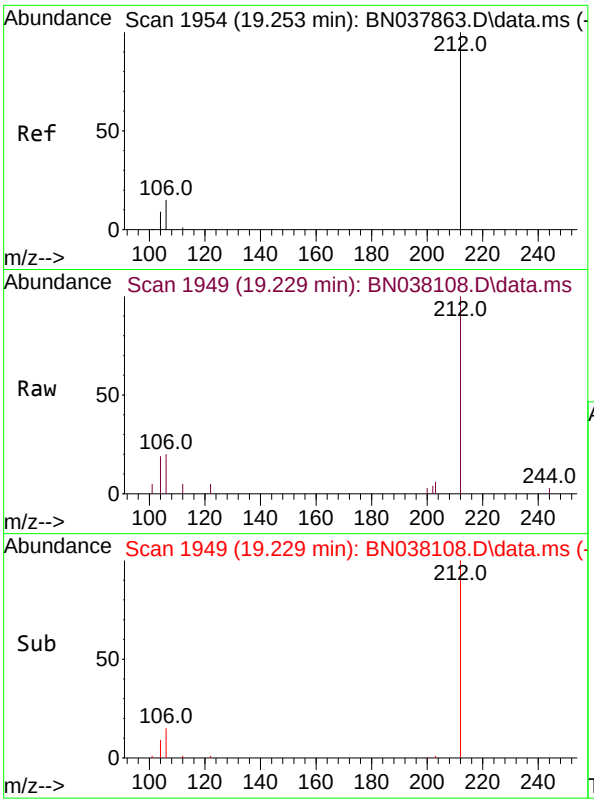


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1689
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:188 Resp: 19689

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.6	11.4



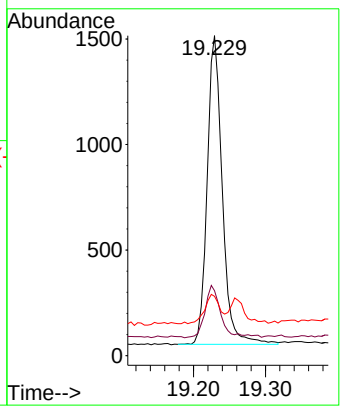


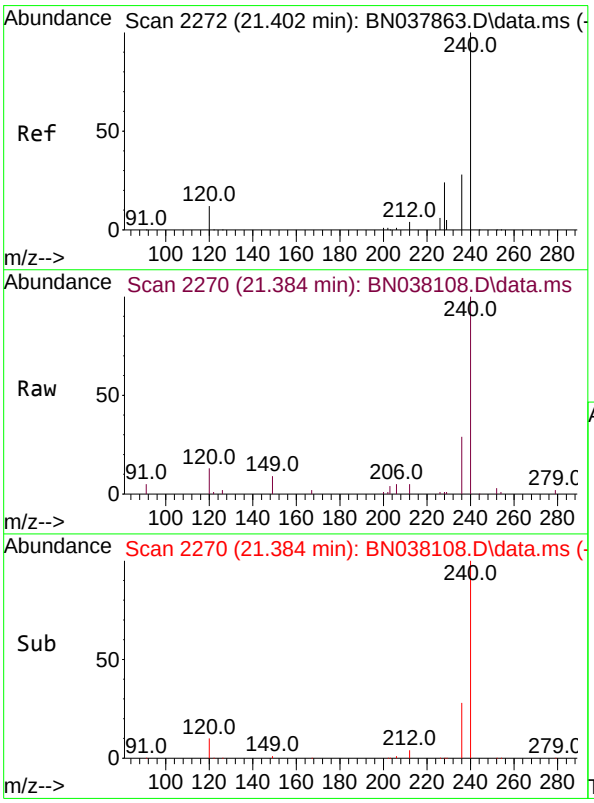
#27
Fluoranthene-d10
Concen: 0.043 ng
RT: 19.229 min Scan# 19
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:212 Resp: 2137

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.6	19.0
104	9.3	7.4	11.0

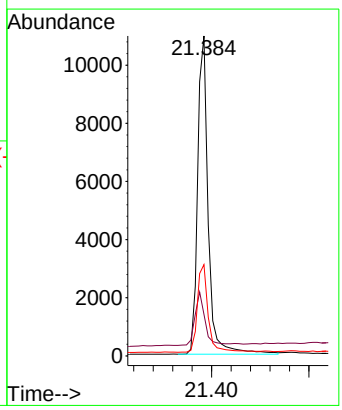


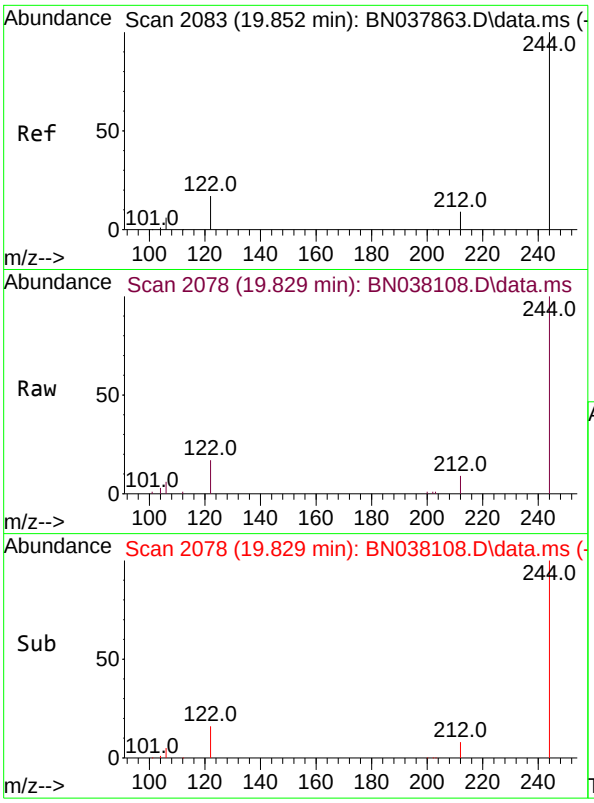


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:240 Resp: 16604

Ion	Ratio	Lower	Upper
240	100		
120	13.0	11.4	17.2
236	28.6	23.0	34.6



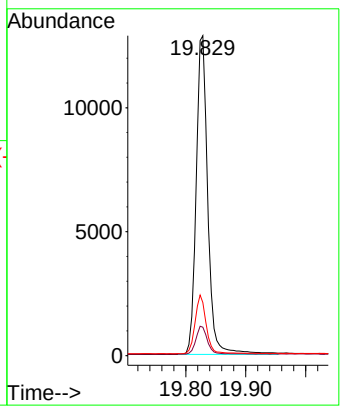


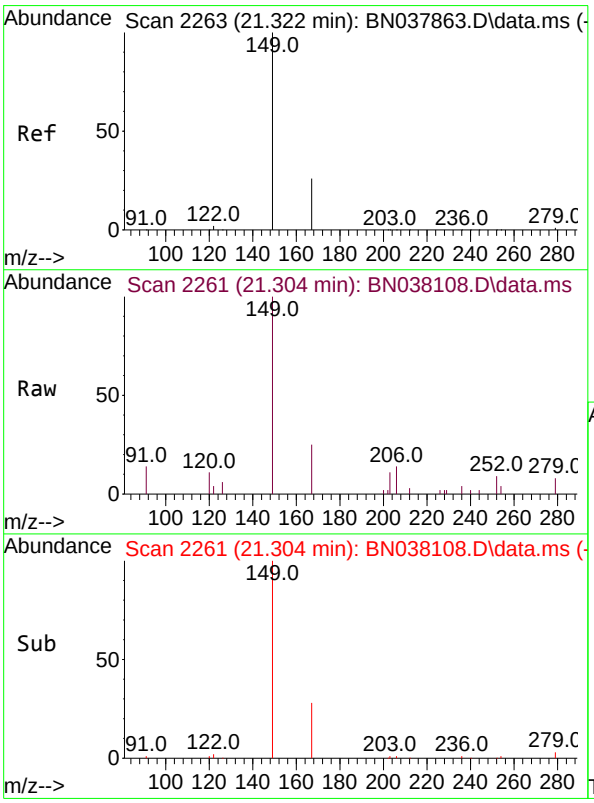
#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.829 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:244 Resp: 17304

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.6	11.4
122	16.6	13.9	20.9

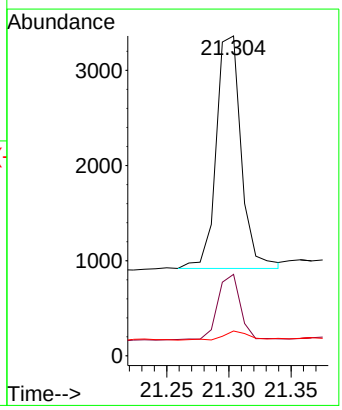


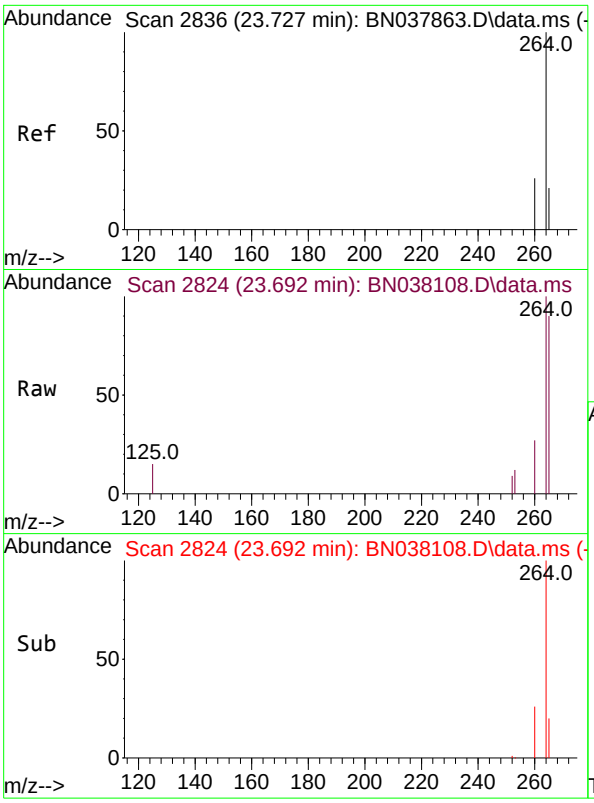


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.149 ng
RT: 21.304 min Scan# 2261
Delta R.T. -0.000 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:149 Resp: 3417

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.4	30.6
279	4.0	2.4	3.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.692 min Scan# 28
Delta R.T. -0.009 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion:264 Resp: 14840

Ion	Ratio	Lower	Upper
264	100		
260	26.5	21.5	32.3
265	89.8	53.8	80.6#