Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032725\
Data File : BN036750.D
Acq On : 27 Mar 2025 22:51
Operator : RC/JU
Sample : Q1608-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Quant Time: Mar 28 00:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.703	152	1585	0.400	ng	-0.02
7) Naphthalene-d8	10.487	136	3885	0.400	ng	-0.02
13) Acenaphthene-d10	14.345	164	2369	0.400	ng	-0.02
19) Phenanthrene-d10	17.086	188	5421	0.400	ng	#-0.02
29) Chrysene-d12	21.277	240	4977	0.400	ng	-0.02
35) Perylene-d12	23.522	264	4460	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	455	0.123	ng	-0.02
5) Phenol-d6	6.872	99	340	0.075	ng	-0.03
8) Nitrobenzene-d5	8.854	82	999	0.236	ng	-0.02
11) 2-Methylnaphthalene-d10	12.085	152	1563	0.270	ng	-0.03
14) 2,4,6-Tribromophenol	15.833	330	388	0.361	ng	-0.02
15) 2-Fluorobiphenyl	12.968	172	3673	0.267	ng	-0.02
27) Fluoranthene-d10	19.122	212	5673	0.408	ng	-0.02
31) Terphenyl-d14	19.722	244	4849	0.407	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	10029	5.704	ng	97
6) bis(2-Chloroethyl)ether	7.132	93	130	0.028	ng	# 86
34) Bis(2-ethylhexyl)phtha...	21.196	149	1041	0.084	ng	98

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

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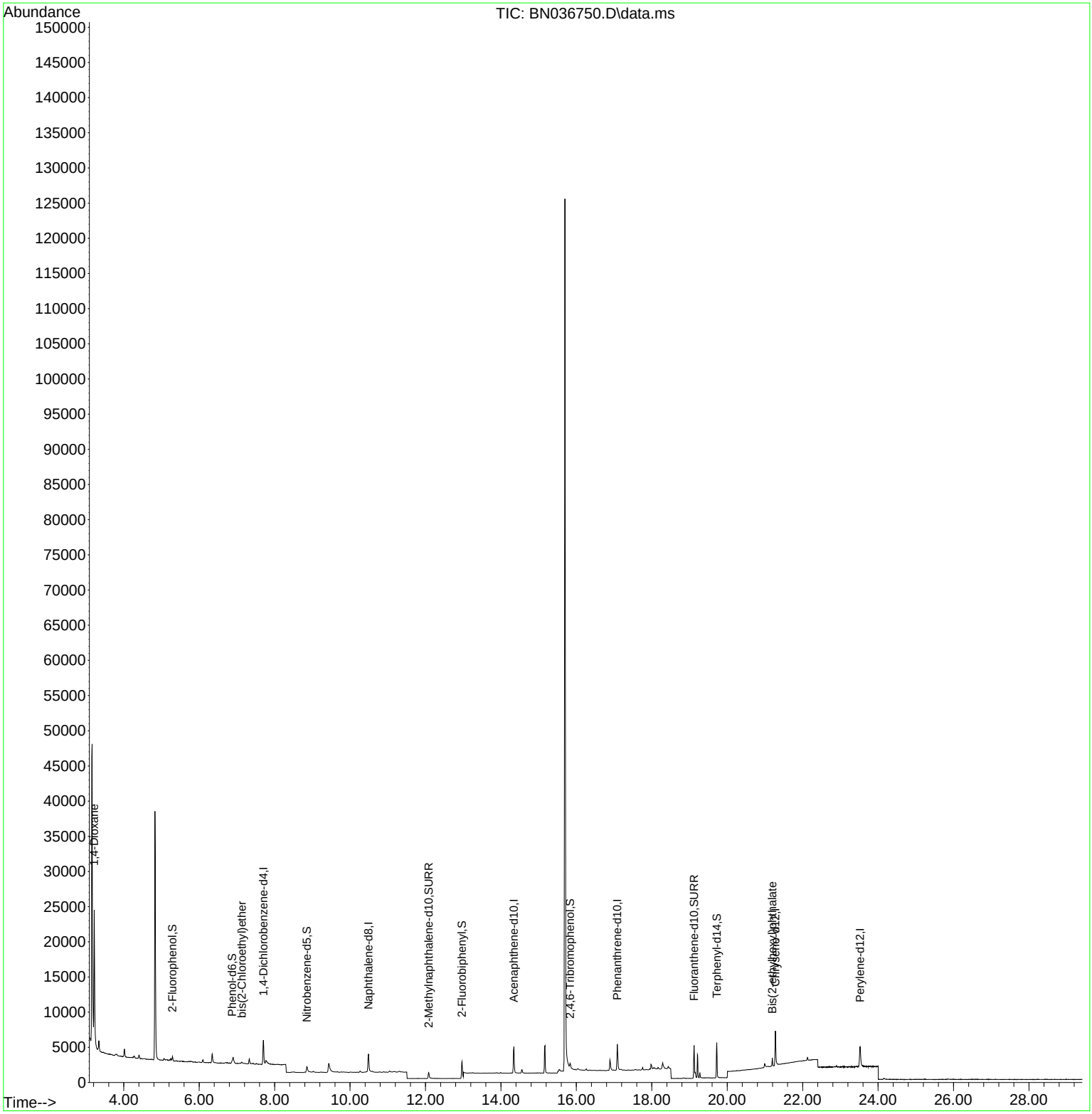
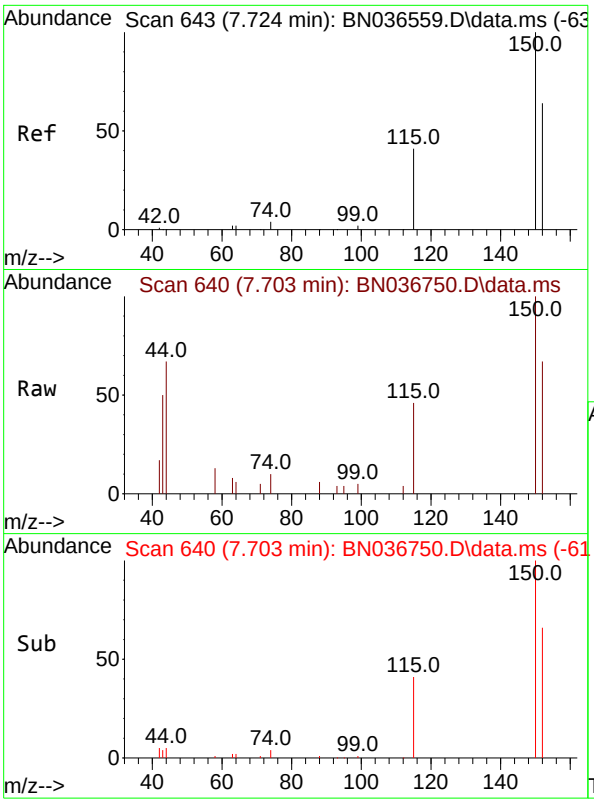


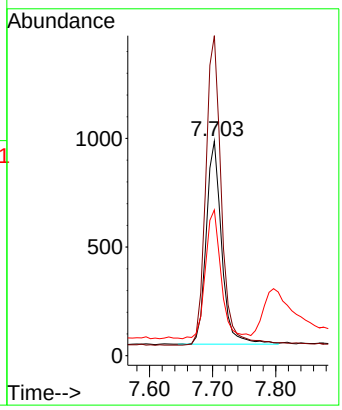


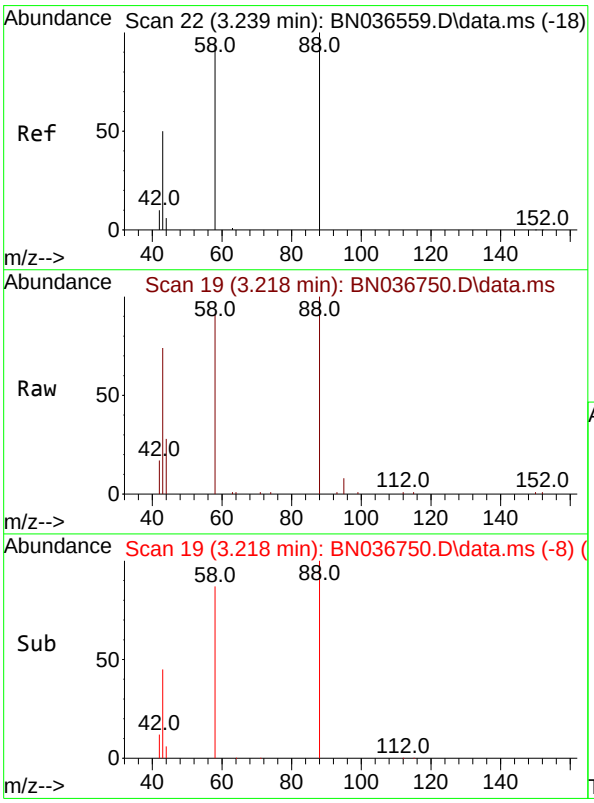
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.703 min Scan# 64
Delta R.T. -0.021 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:152 Resp: 1585

Ion	Ratio	Lower	Upper
152	100		
150	149.1	123.7	185.5
115	67.9	54.3	81.5

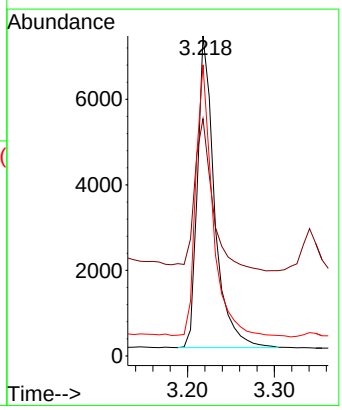


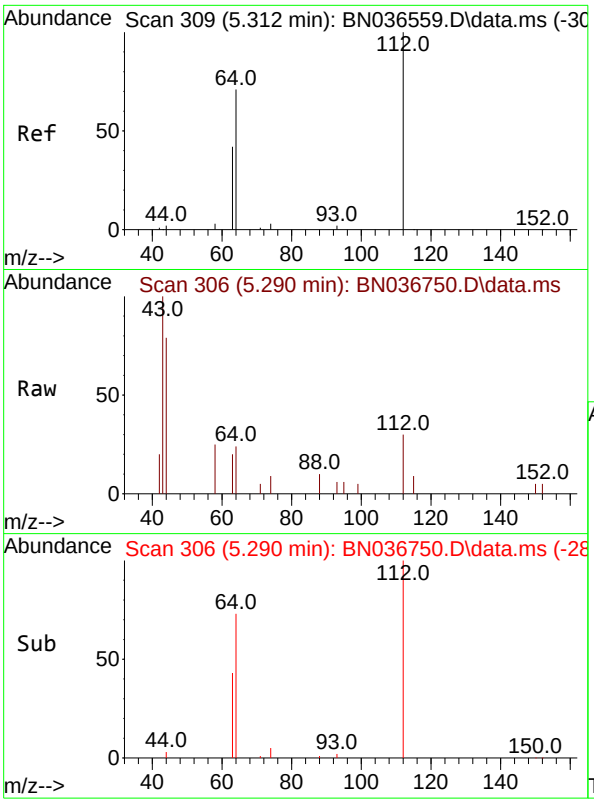


#2
1,4-Dioxane
Concen: 5.704 ng
RT: 3.218 min Scan# 19
Delta R.T. -0.021 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion: 88 Resp: 10029

Ion	Ratio	Lower	Upper
88	100		
43	51.8	37.8	56.8
58	84.9	67.4	101.2



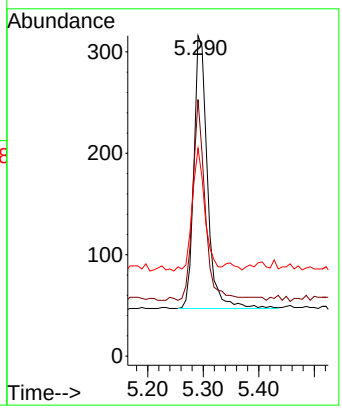


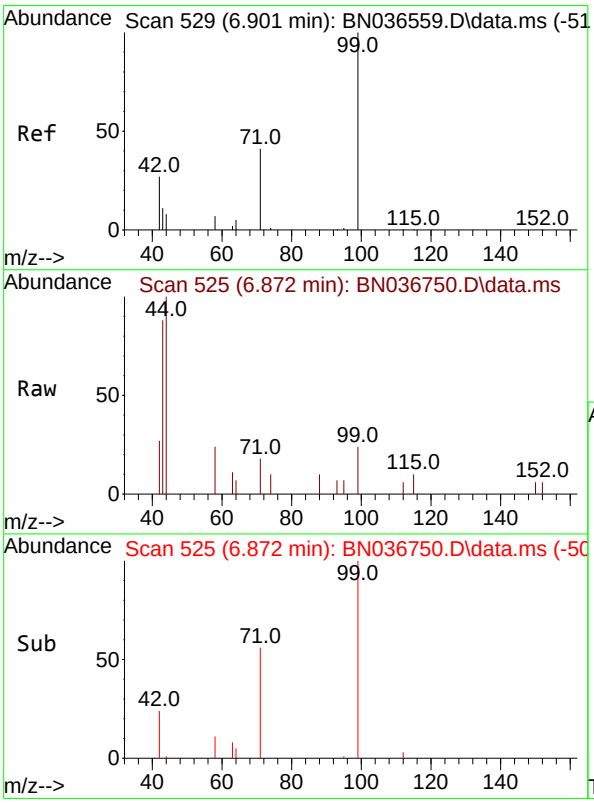
#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.290 min Scan# 3(
Delta R.T. -0.022 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:112 Resp: 455

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.1	79.7
63	41.5	31.8	47.8

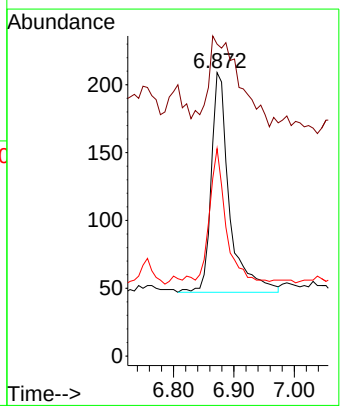


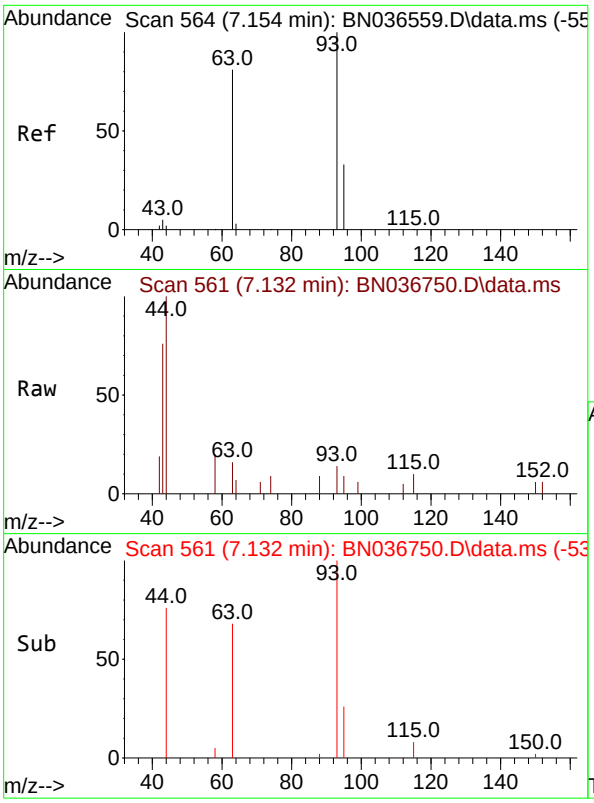


#5
Phenol-d6
Concen: 0.075 ng
RT: 6.872 min Scan# 525
Delta R.T. -0.029 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion: 99 Resp: 340

Ion	Ratio	Lower	Upper
99	100		
42	67.6	26.5	39.7#
71	55.0	34.1	51.1#



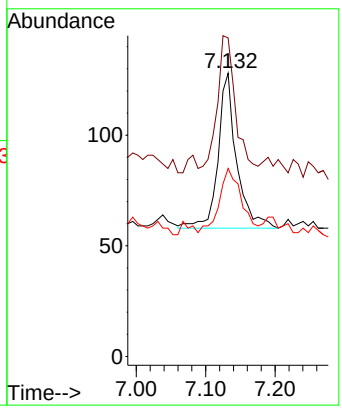


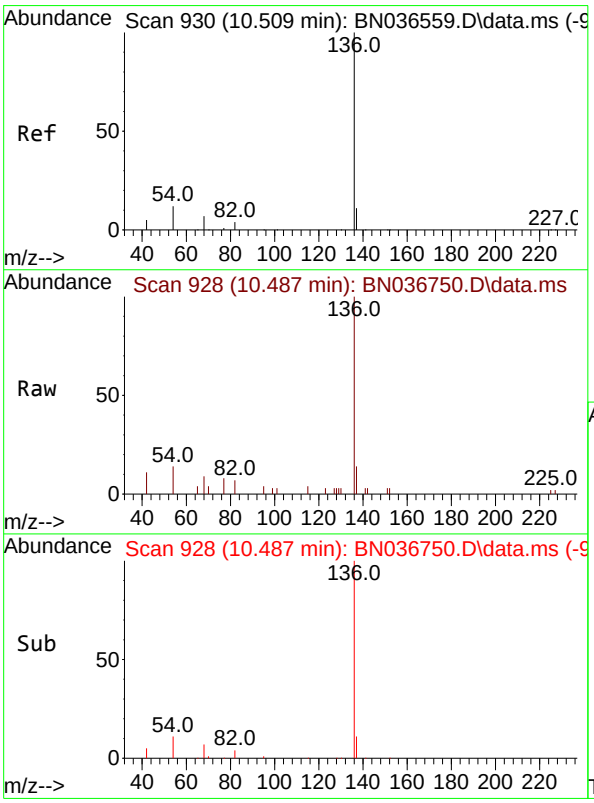
#6
bis(2-Chloroethyl)ether
Concen: 0.028 ng
RT: 7.132 min Scan# 5
Delta R.T. -0.022 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion: 93 Resp: 130

Ion	Ratio	Lower	Upper
93	100		
63	90.0	67.7	101.5
95	52.3	25.6	38.4#

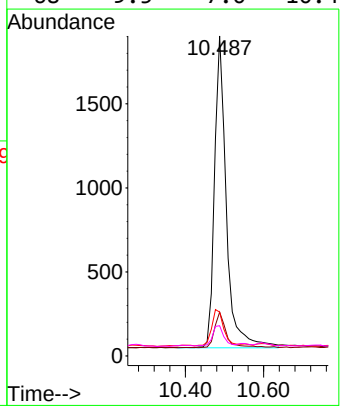


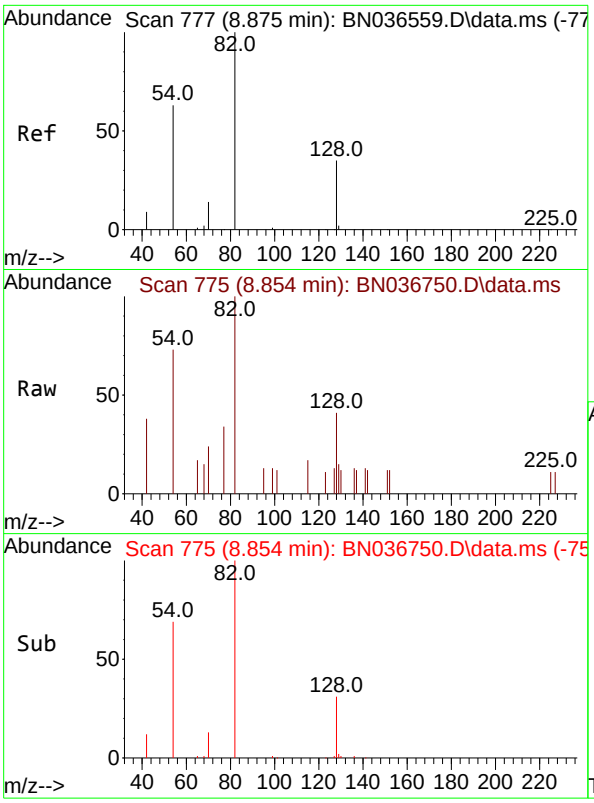


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 928
Delta R.T. -0.021 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:136 Resp: 3885

Ion	Ratio	Lower	Upper
136	100		
137	13.7	10.3	15.5
54	13.7	11.5	17.3
68	9.5	7.0	10.4



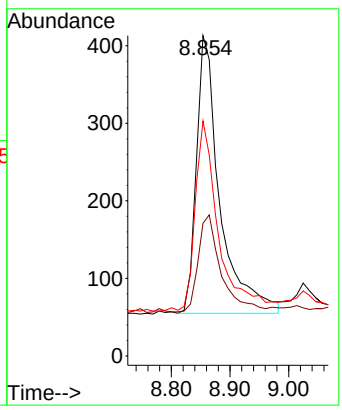


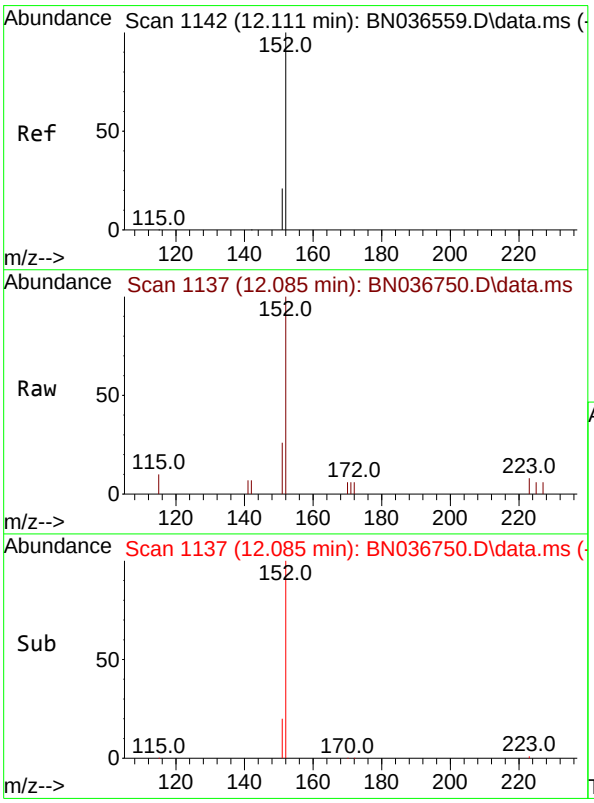
#8
Nitrobenzene-d5
Concen: 0.236 ng
RT: 8.854 min Scan# 7
Delta R.T. -0.021 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion: 82 Resp: 999

Ion	Ratio	Lower	Upper
82	100		
128	41.4	30.6	45.8
54	73.4	52.2	78.4

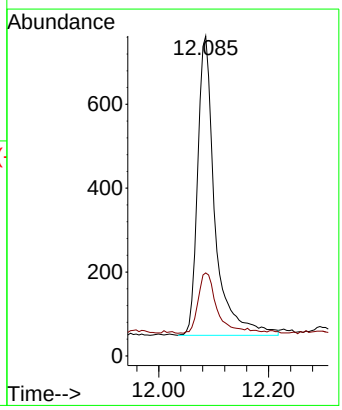


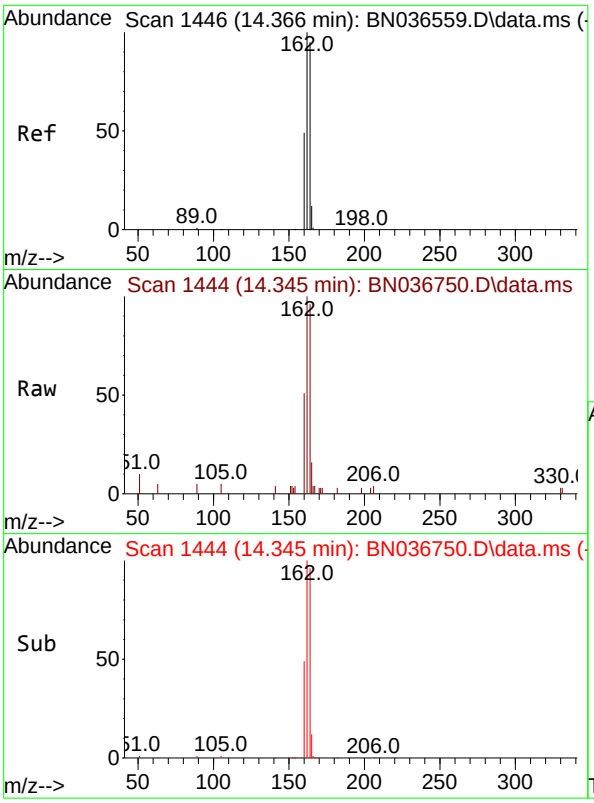


#11
2-Methylnaphthalene-d10
Concen: 0.270 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.025 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:152 Resp: 1563

Ion	Ratio	Lower	Upper
152	100		
151	22.1	17.0	25.6



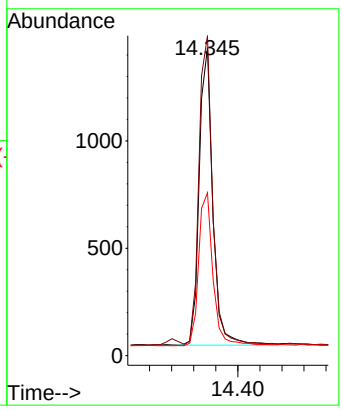


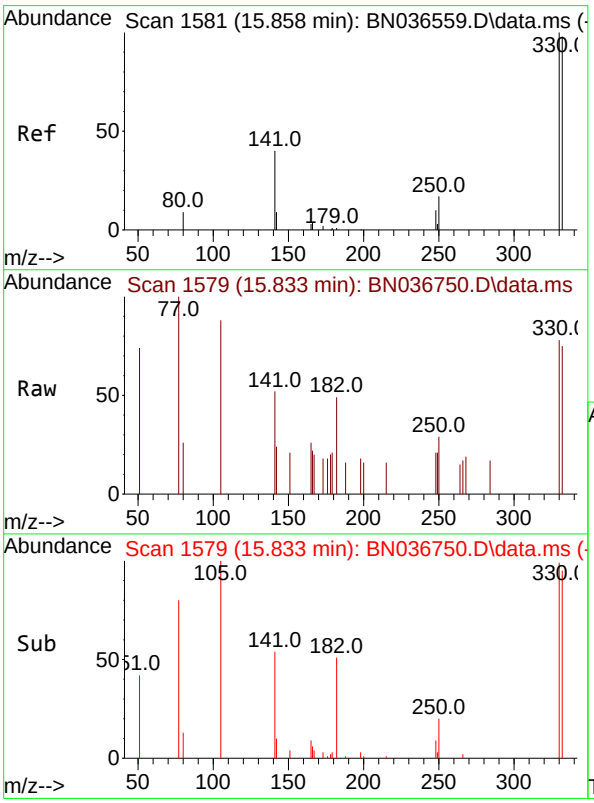
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:164 Resp: 2369

Ion	Ratio	Lower	Upper
164	100		
162	103.9	84.2	126.2
160	52.9	42.2	63.2

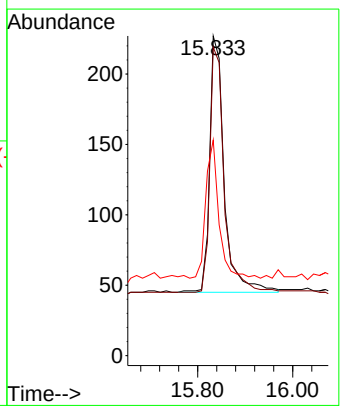


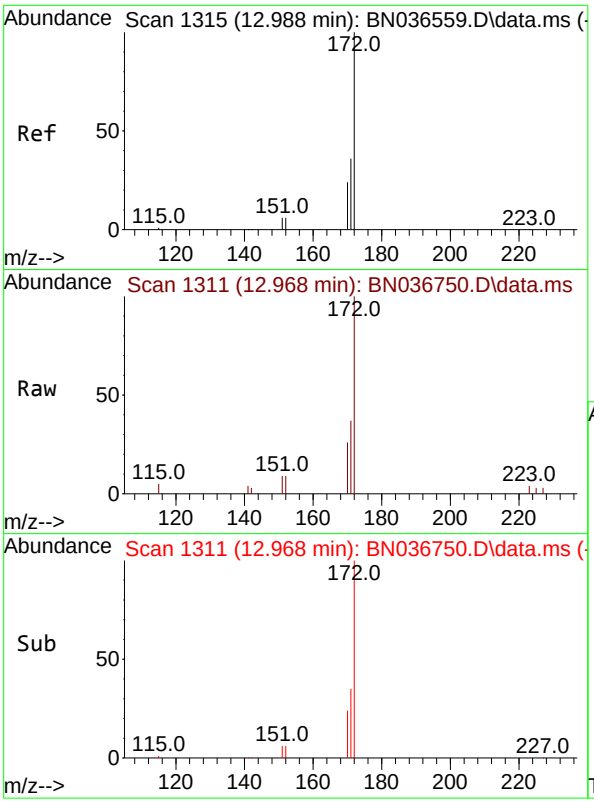


#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.833 min Scan# 1579
Delta R.T. -0.025 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:330 Resp: 388

Ion	Ratio	Lower	Upper
330	100		
332	93.8	75.2	112.8
141	48.5	43.4	65.2



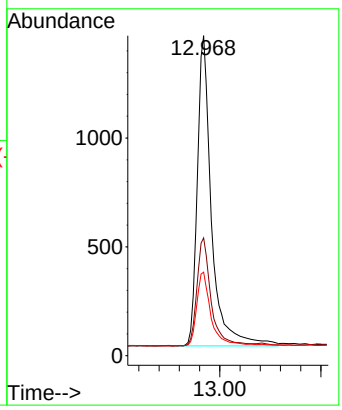


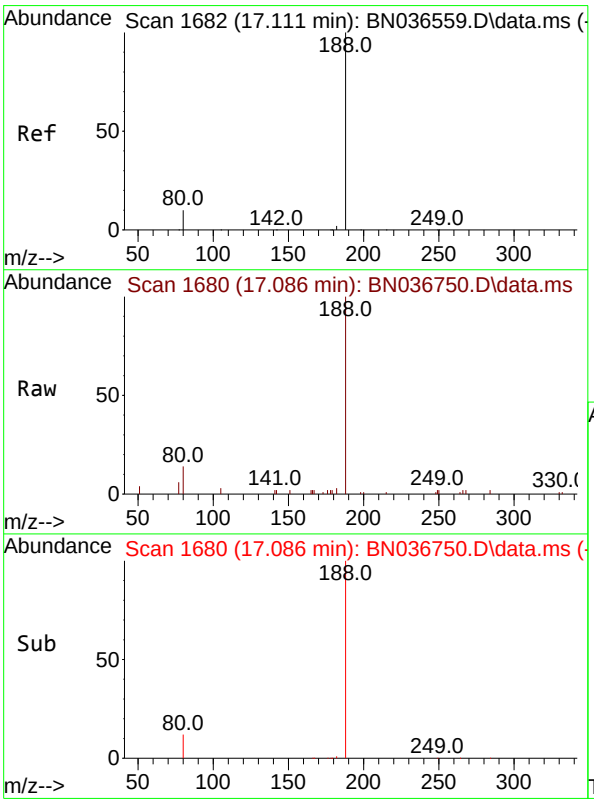
#15
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.020 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:172 Resp: 3673

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.5	44.3
170	26.1	20.2	30.4

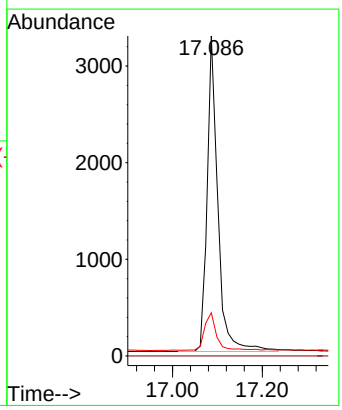


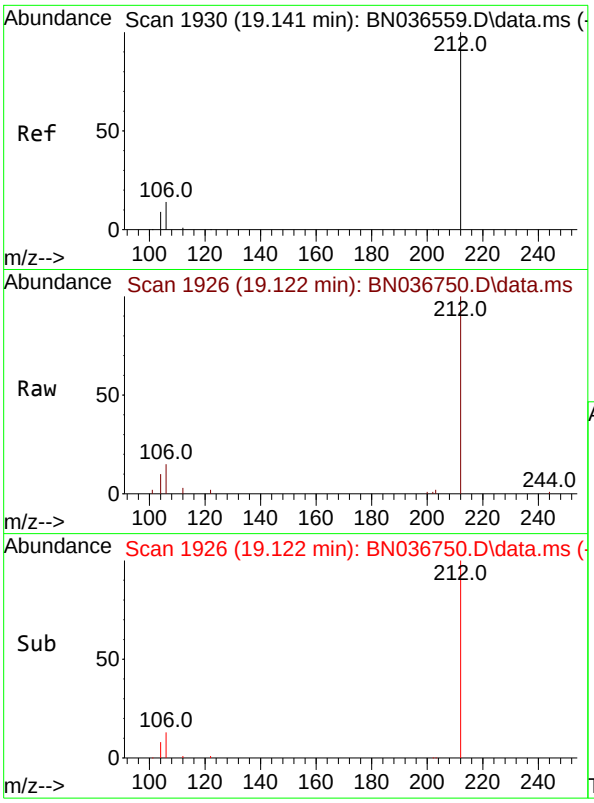


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. -0.025 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:188 Resp: 5421

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.5	8.8	13.2#



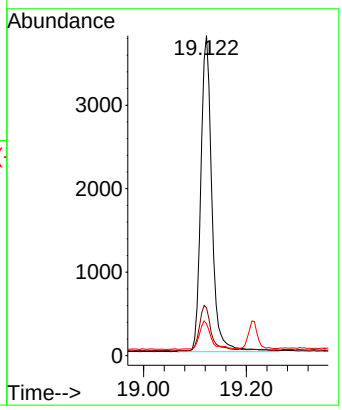


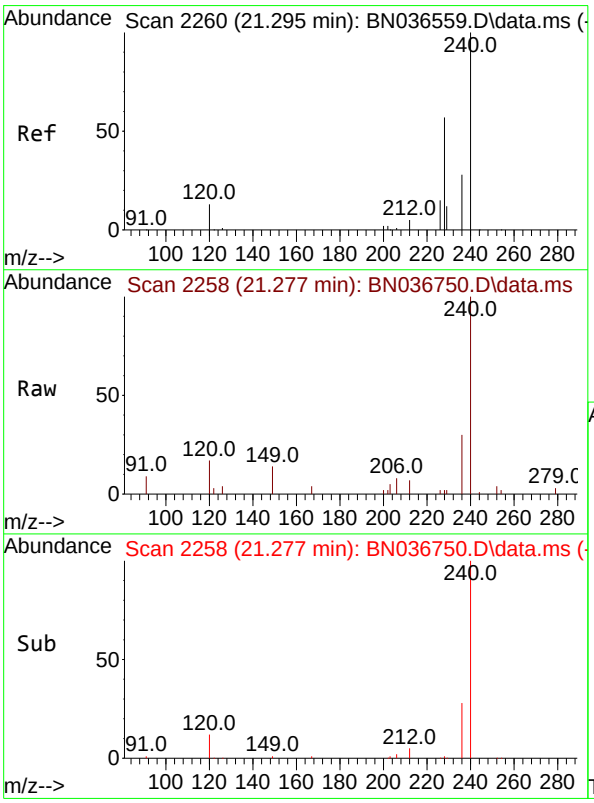
#27
Fluoranthene-d10
Concen: 0.408 ng
RT: 19.122 min Scan# 1
Delta R.T. -0.018 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:212 Resp: 5673

Ion	Ratio	Lower	Upper
212	100		
106	15.0	11.8	17.6
104	9.0	7.3	10.9

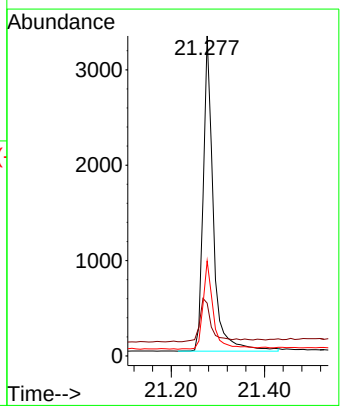


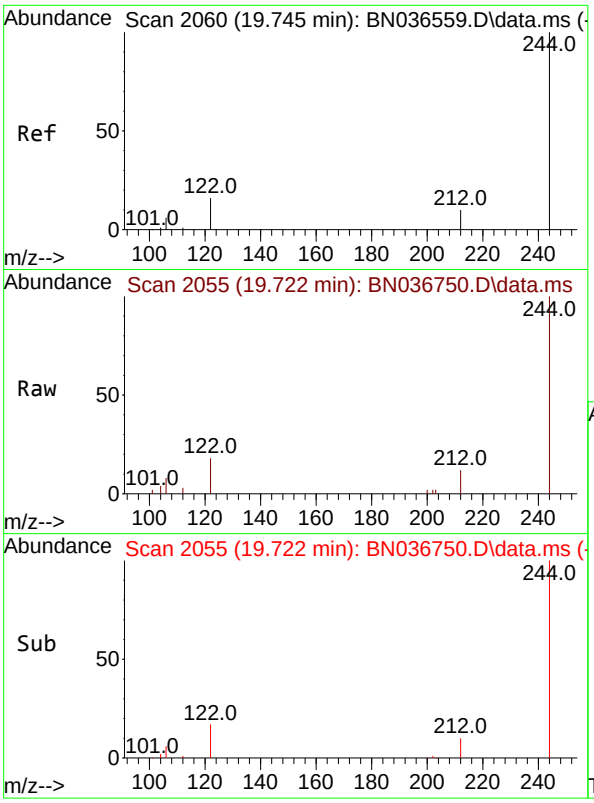


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.277 min Scan# 2258
Delta R.T. -0.018 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:240 Resp: 4977

Ion	Ratio	Lower	Upper
240	100		
120	16.5	14.6	22.0
236	29.7	24.1	36.1



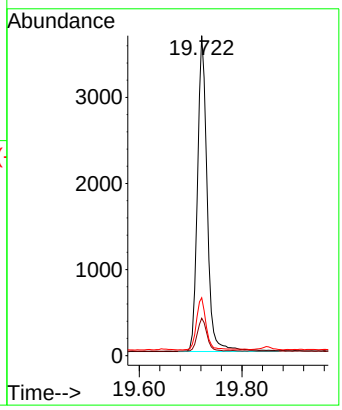


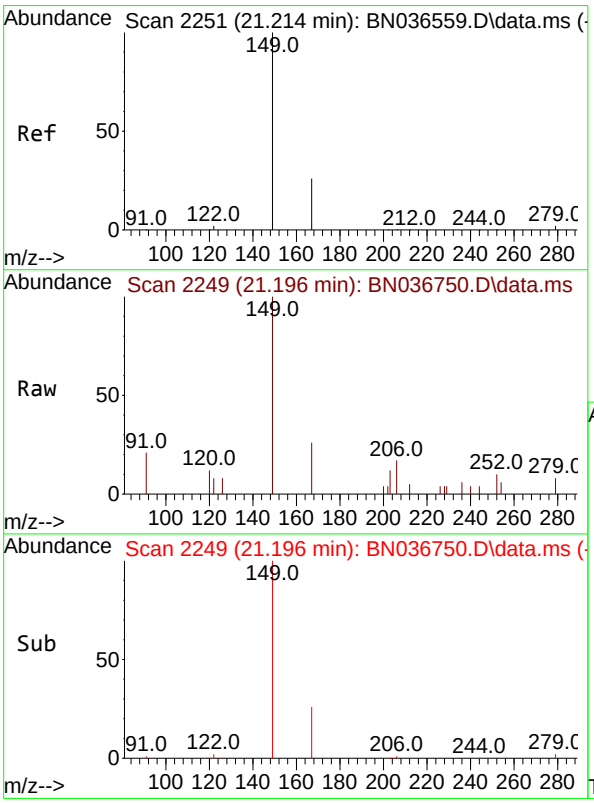
#31
Terphenyl-d14
Concen: 0.407 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.023 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:244 Resp: 4849

Ion	Ratio	Lower	Upper
244	100		
212	11.7	9.6	14.4
122	18.1	13.9	20.9

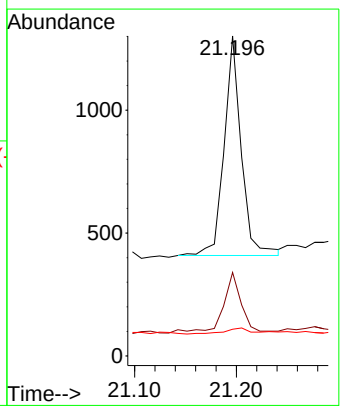


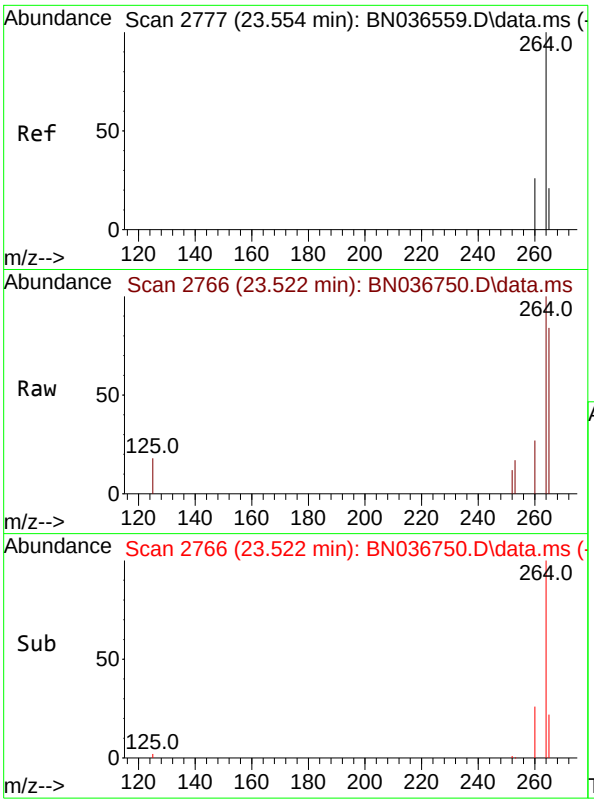


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.018 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Tgt Ion:149 Resp: 1041

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.7	31.1
279	4.2	3.6	5.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2
Delta R.T. -0.032 min
Lab File: BN036750.D
Acq: 27 Mar 2025 22:51

Instrument :
BNA_N
ClientSampleId :
RE132D5-20250318

Tgt Ion:264 Resp: 4460

Ion	Ratio	Lower	Upper
264	100		
260	27.3	22.6	33.8
265	83.6	88.1	132.1#