Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 07 22:56:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	37672	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	163817	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	111944	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	252643	20.000	ng	0.00
76) Chrysene-d12	21.458	240	258476	20.000	ng	0.00
86) Perylene-d12	24.478	264	269422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	179568	74.428	ng	0.00
7) Phenol-d6	7.028	99	160997	49.053	ng	0.00
23) Nitrobenzene-d5	9.014	82	272348	91.874	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	176739	142.035	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	618595	83.877	ng	0.00
79) Terphenyl-d14	19.854	244	1084057	84.803	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.552	113	22875	26.577	ng	88

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

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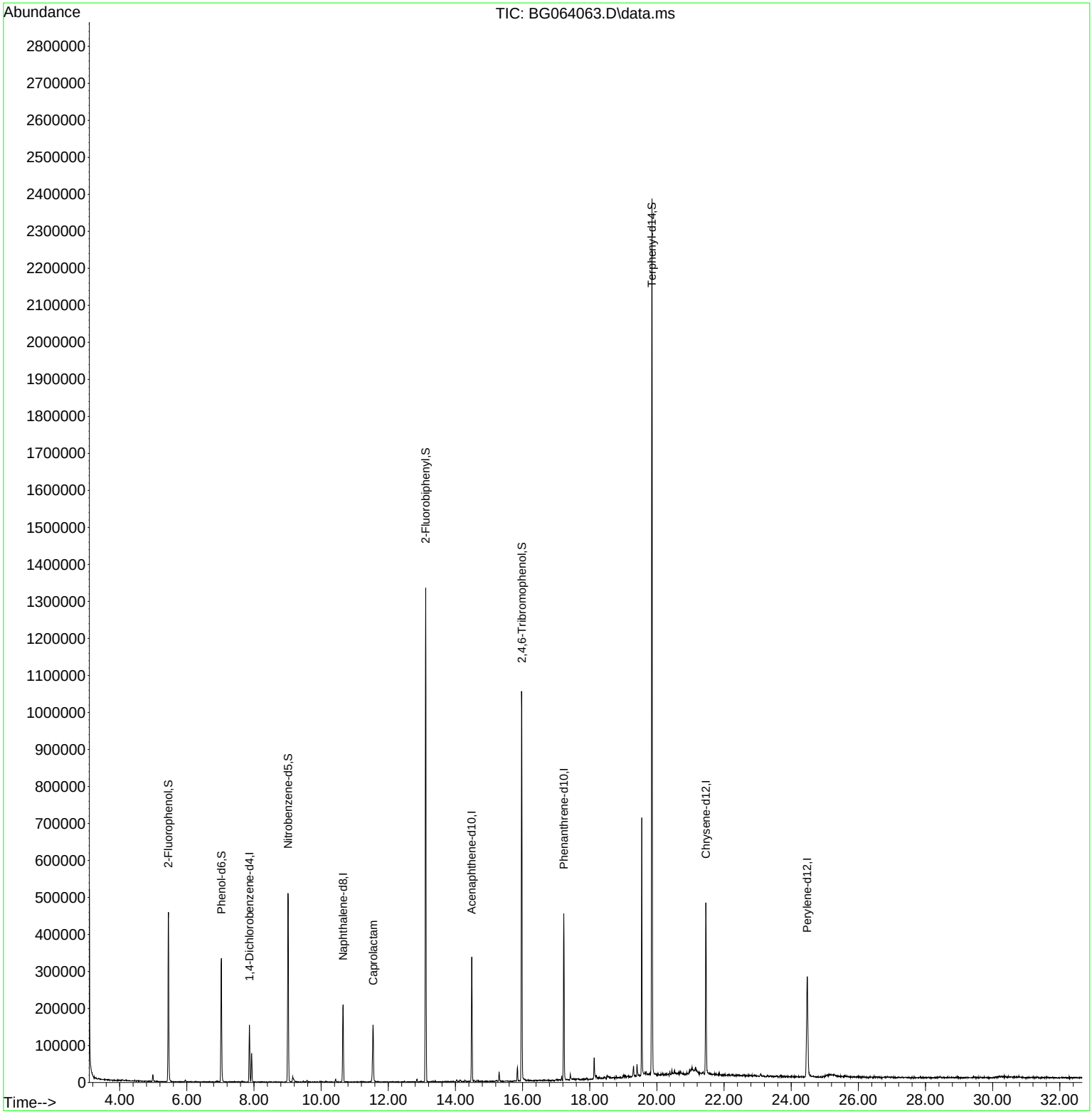
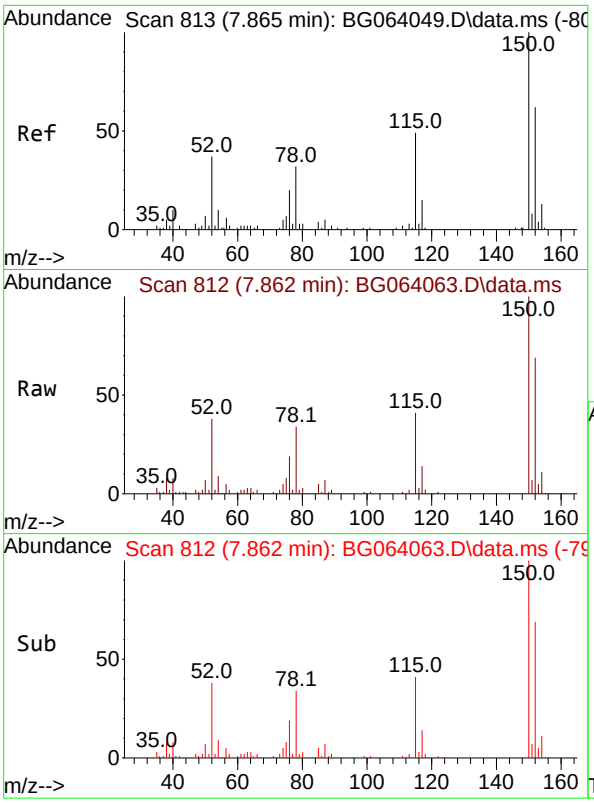


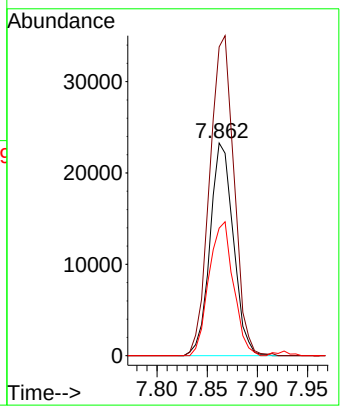


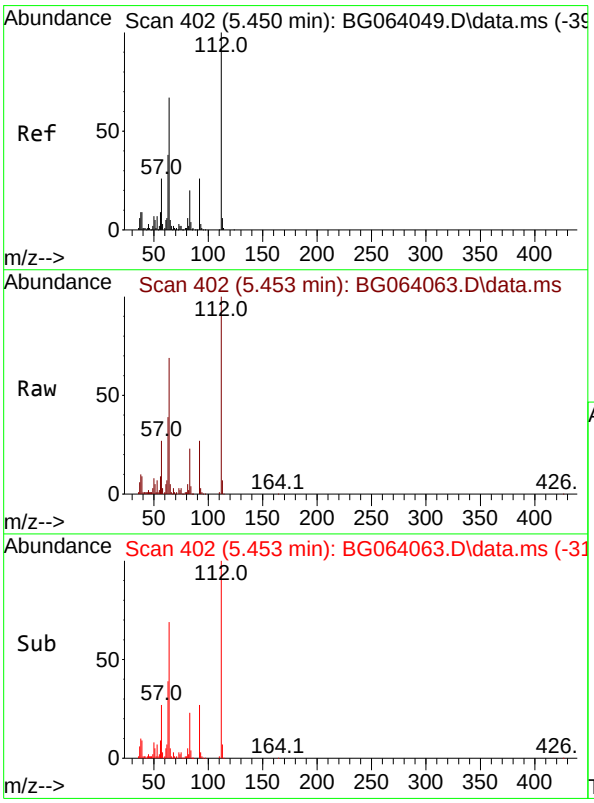
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:152 Resp: 37672

Ion	Ratio	Lower	Upper
152	100		
150	145.2	129.2	193.8
115	60.0	63.0	94.6#

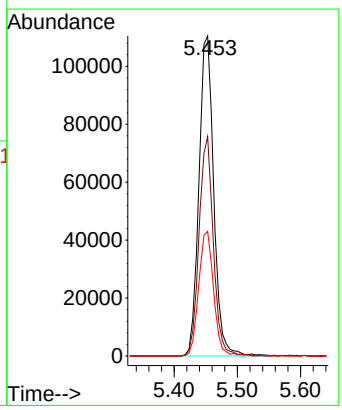


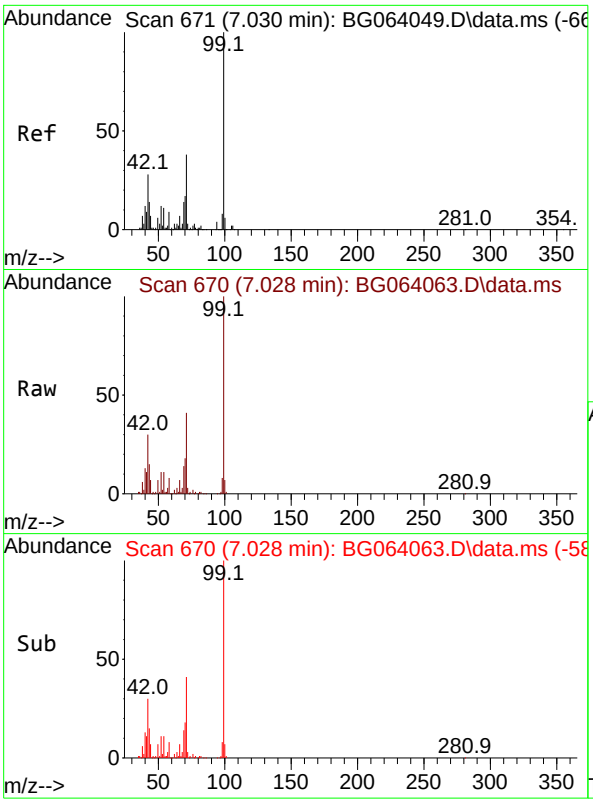


#5
2-Fluorophenol
Concen: 74.428 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:112 Resp: 179568

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.7	80.5
63	39.0	30.2	45.4



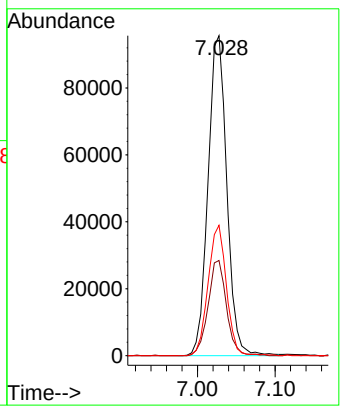


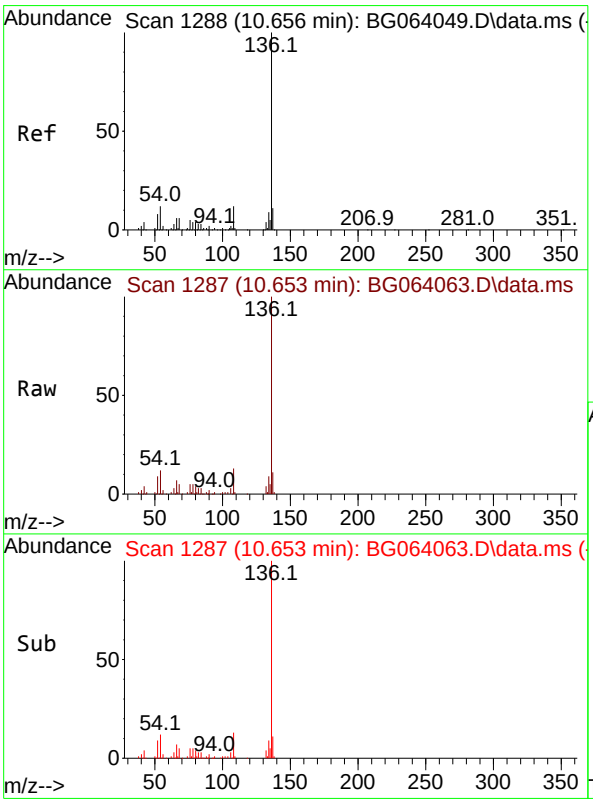
#7
Phenol-d6
Concen: 49.053 ng
RT: 7.028 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 99 Resp: 160997

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	40.7	30.6	46.0

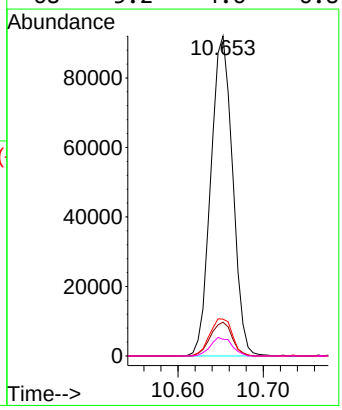


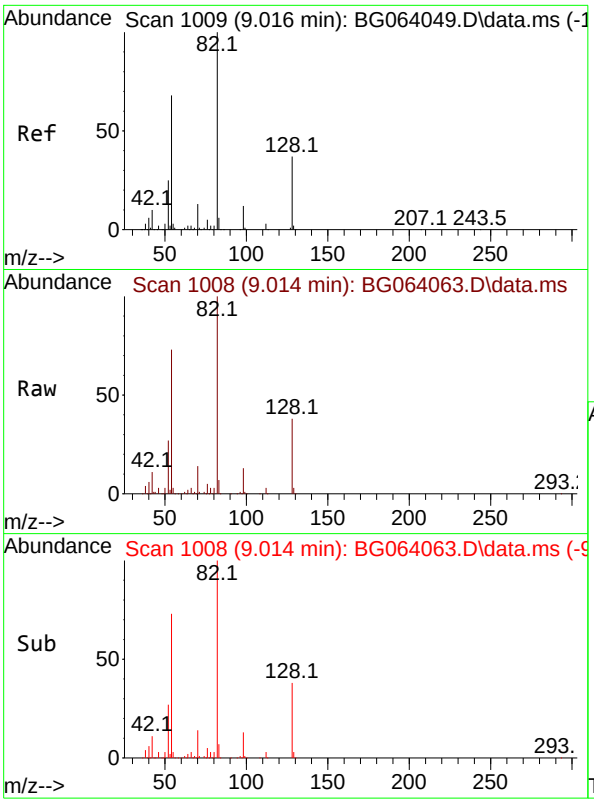


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:136 Resp: 163817

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.5	9.9	14.9
68	5.2	4.6	6.8



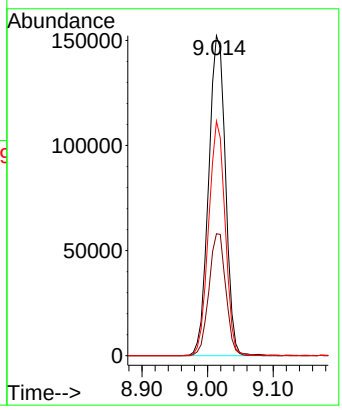


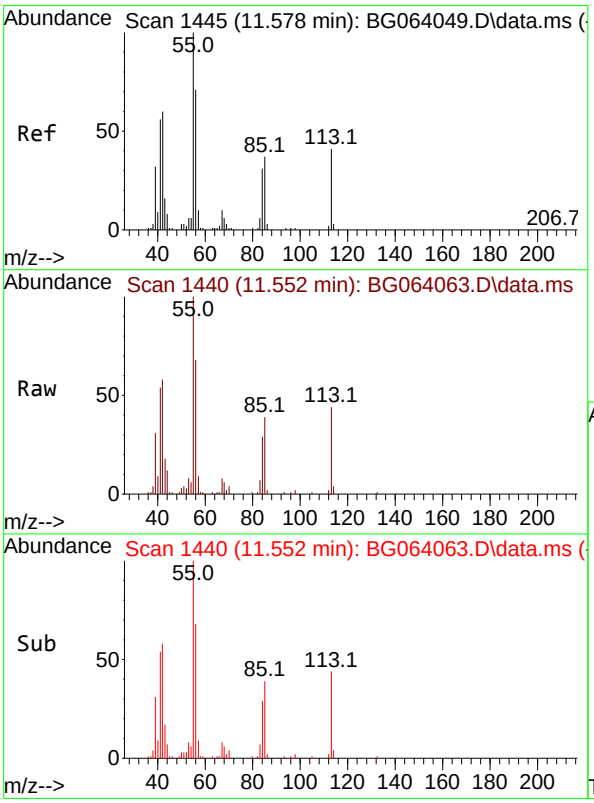
#23
Nitrobenzene-d5
Concen: 91.874 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 82 Resp: 272348

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	73.3	54.7	82.1

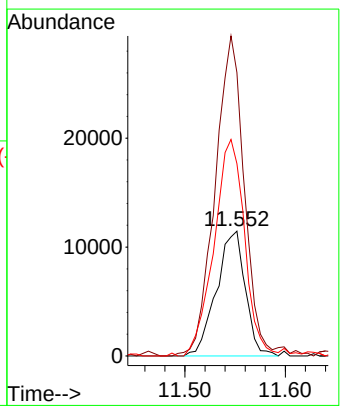


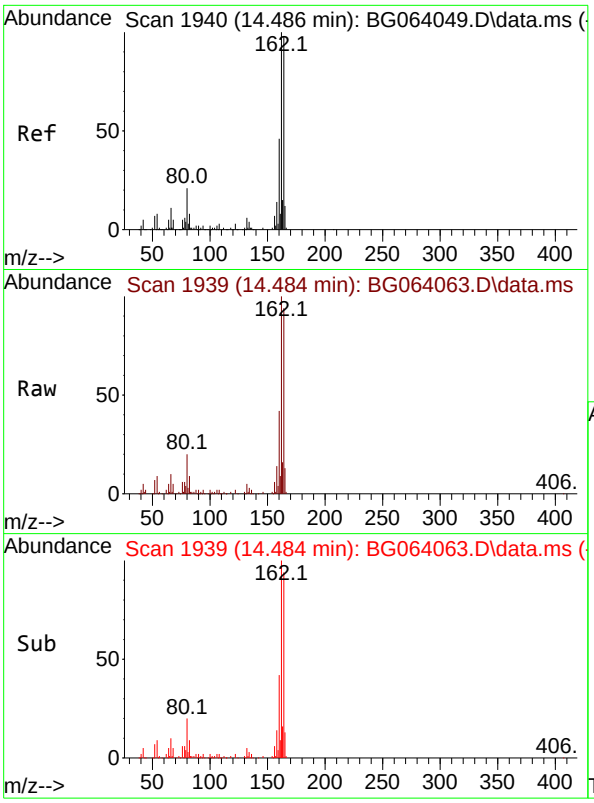


#35
Caprolactam
Concen: 26.577 ng
RT: 11.552 min Scan# 1440
Delta R.T. -0.026 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:113 Resp: 22875

Ion	Ratio	Lower	Upper
113	100		
55	227.1	225.2	265.2
56	154.1	153.4	193.4



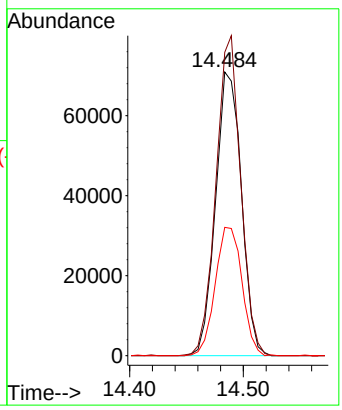


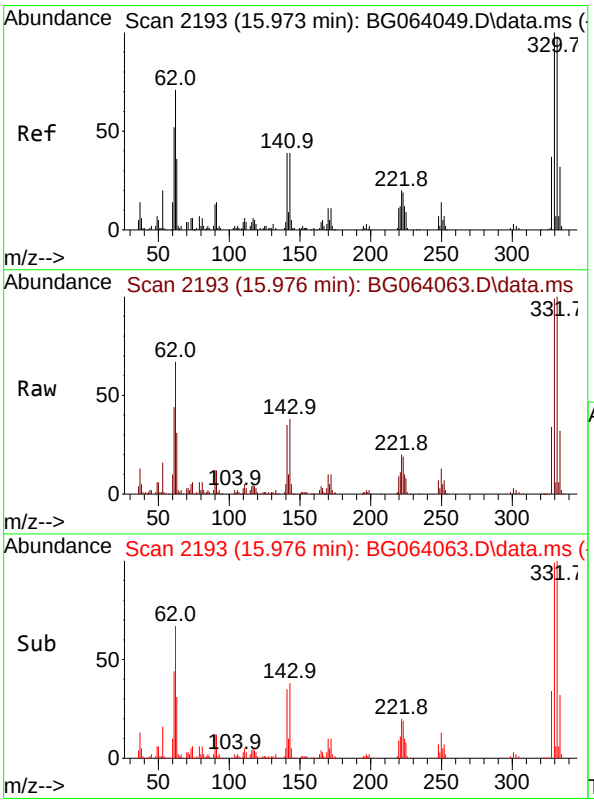
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:164 Resp: 111944

Ion	Ratio	Lower	Upper
164	100		
162	106.9	81.4	122.0
160	45.3	37.0	55.6

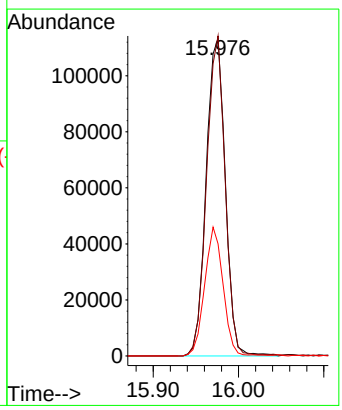


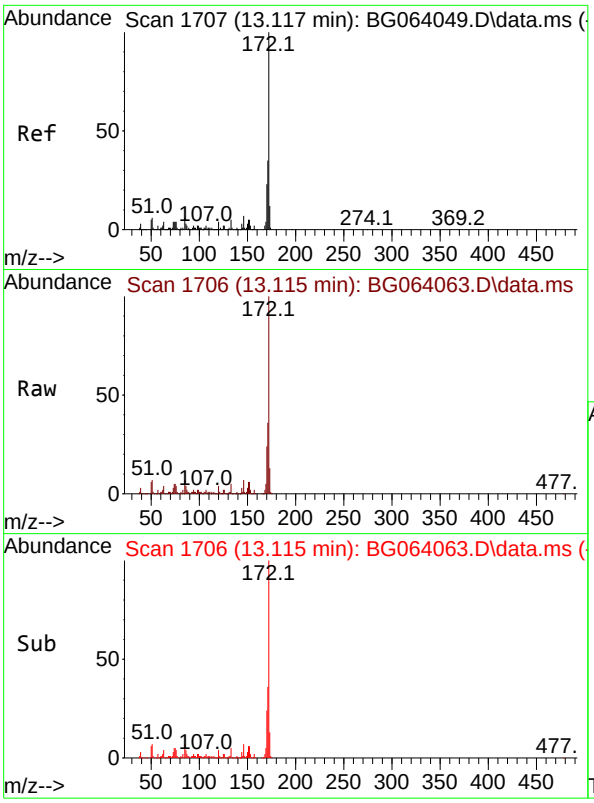


#42
2,4,6-Tribromophenol
Concen: 142.035 ng
RT: 15.976 min Scan# 2193
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:330 Resp: 176739

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	39.2	29.7	44.5



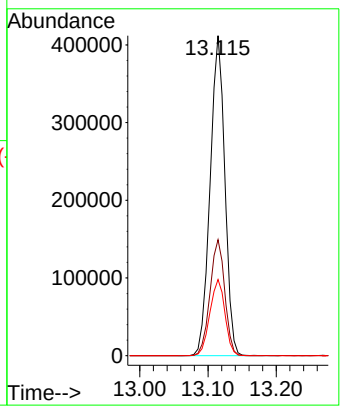


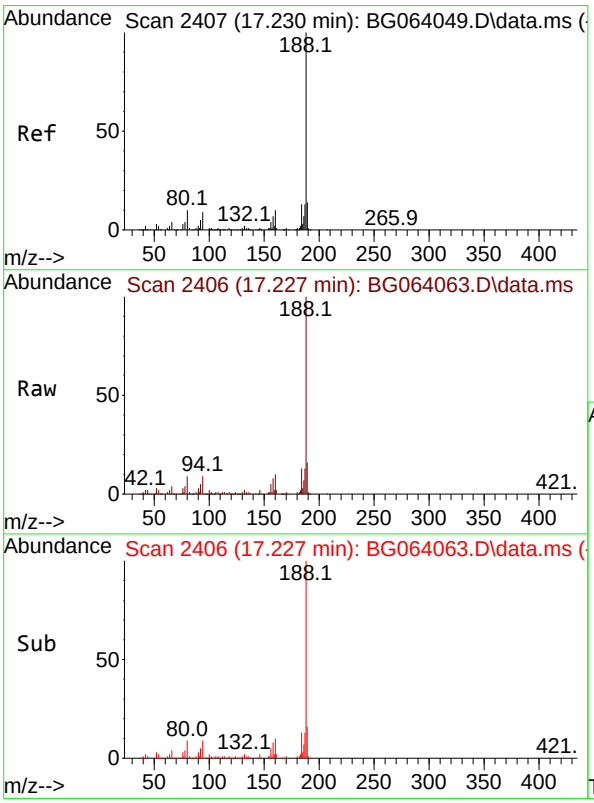
#45
2-Fluorobiphenyl
Concen: 83.877 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:172 Resp: 618595

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	23.8	18.7	28.1

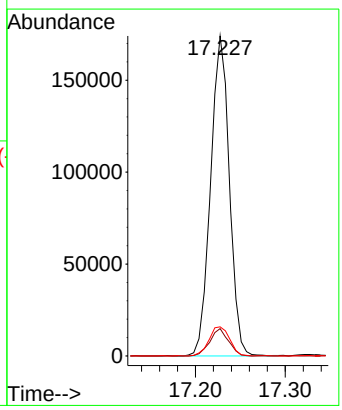


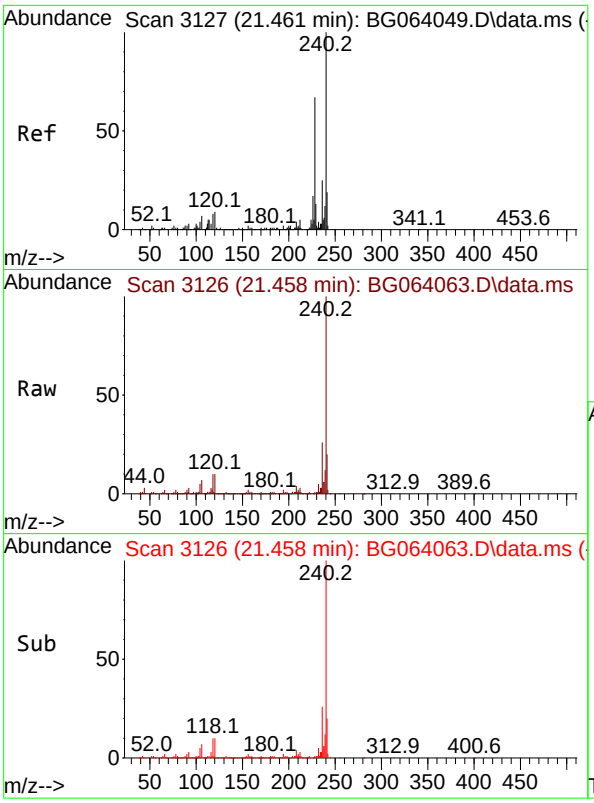


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:188 Resp: 252643

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.1	8.1	12.1



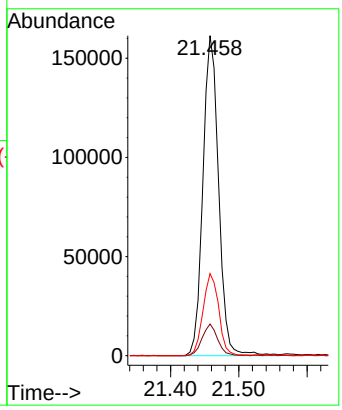


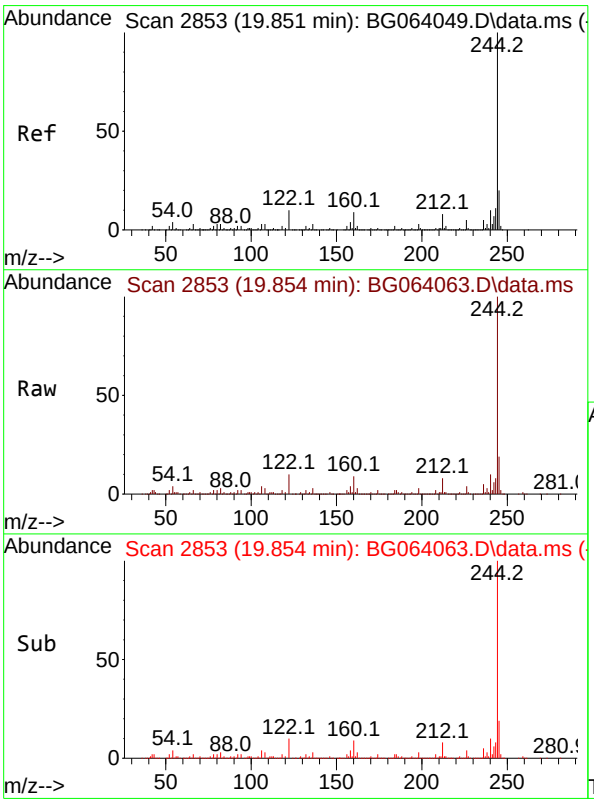
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:240 Resp: 258476

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.2	10.8
236	25.6	20.2	30.2

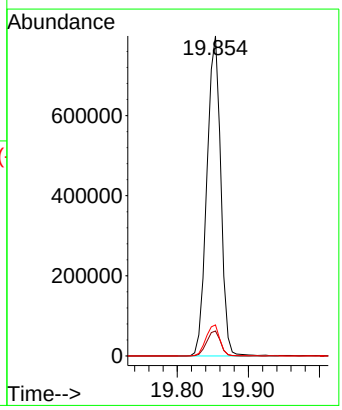


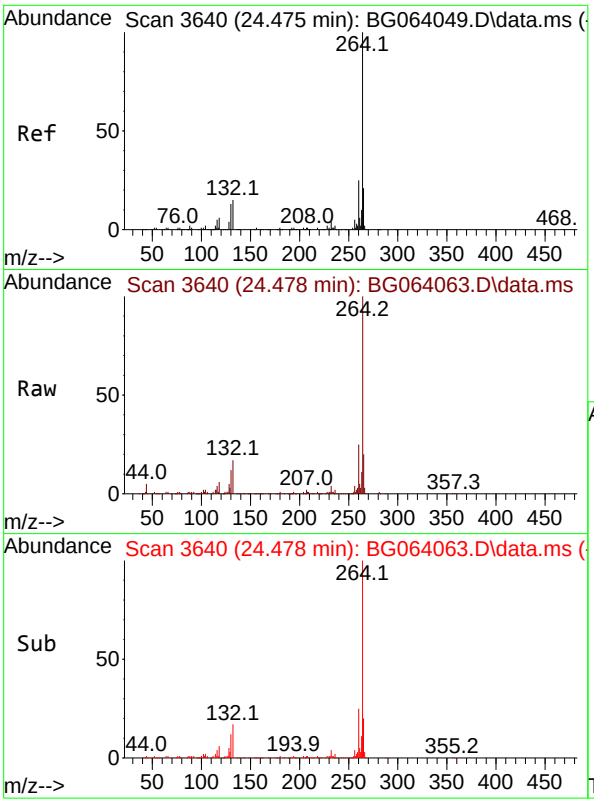


#79
Terphenyl-d14
Concen: 84.803 ng
RT: 19.854 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:244 Resp: 1084057

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.7	8.0	12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.478 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:264 Resp: 269422

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	20.4	16.6	25.0