Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064159.D
Acq On : 2 Apr 2025 19:04
Operator : RC/JU
Sample : Q1685-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Quant Time: Apr 03 01:20:02 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	7.860	152	41053	20.000	ng		0.00
21) Naphthalene-d8	10.651	136	179922	20.000	ng		0.00
39) Acenaphthene-d10	14.481	164	118520	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	252593	20.000	ng	#	0.00
76) Chrysene-d12	21.450	240	256965	20.000	ng		-0.01
86) Perylene-d12	24.470	264	285375	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	148129	56.341	ng		0.00
7) Phenol-d6	7.025	99	187229	52.347	ng		0.00
23) Nitrobenzene-d5	9.011	82	128738	39.541	ng		0.00
42) 2,4,6-Tribromophenol	15.968	330	85564	64.948	ng		0.00
45) 2-Fluorobiphenyl	13.107	172	271549	34.777	ng		-0.01
79) Terphenyl-d14	19.840	244	398788	31.380	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	17.266	178	44747	3.321	ng		95
75) Fluoranthene	19.276	202	120742	7.434	ng		97
78) Pyrene	19.634	202	114704	6.925	ng		99
81) Benzo(a)anthracene	21.432	228	55438	3.368	ng	#	95
83) Chrysene	21.497	228	55618	3.388	ng	#	93
88) Benzo(b)fluoranthene	23.524	252	65540	3.799	ng	#	89
90) Benzo(a)pyrene	24.317	252	50708	3.300	ng	#	82

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

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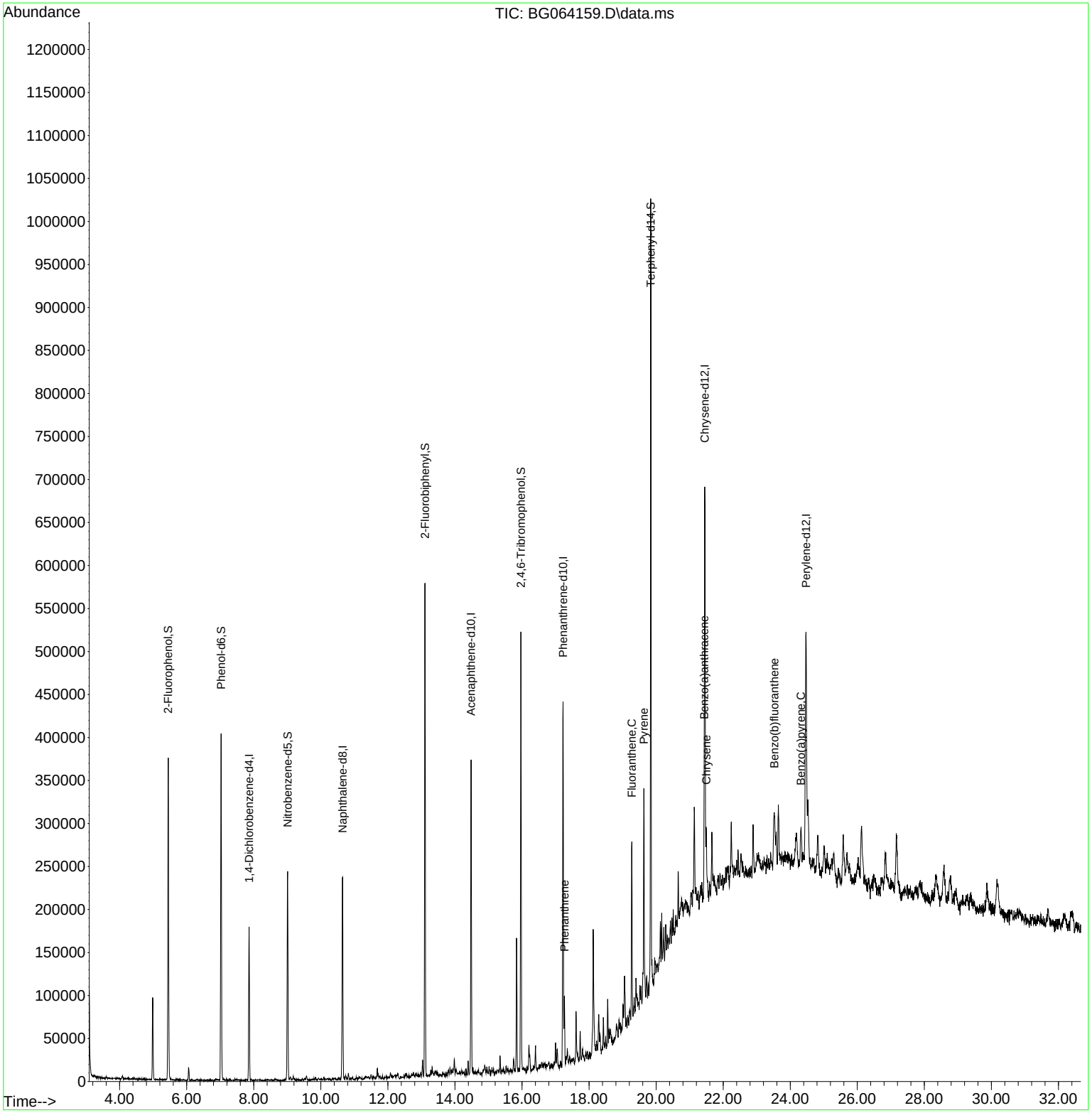
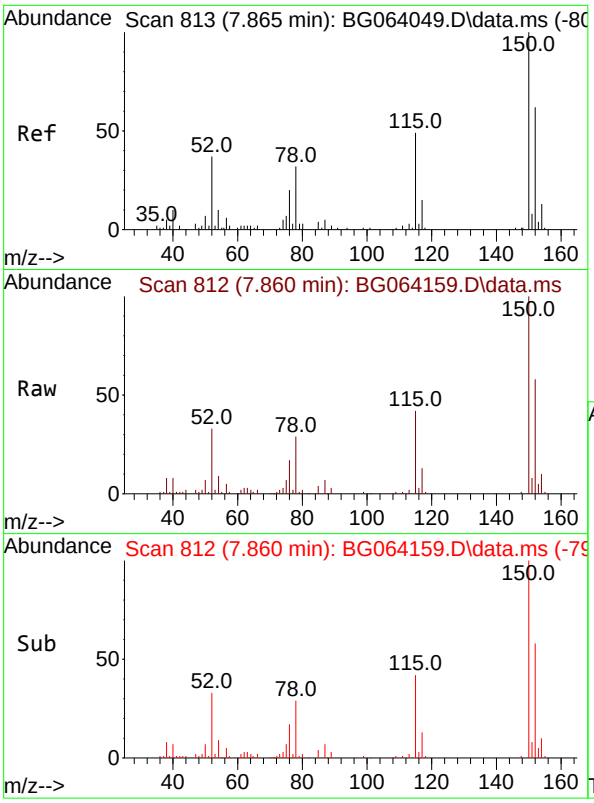


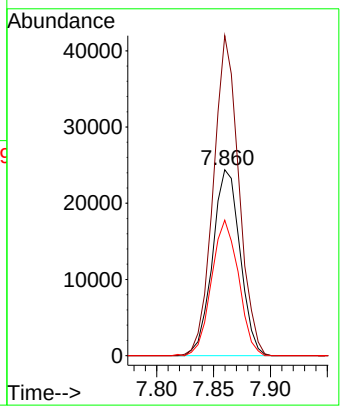


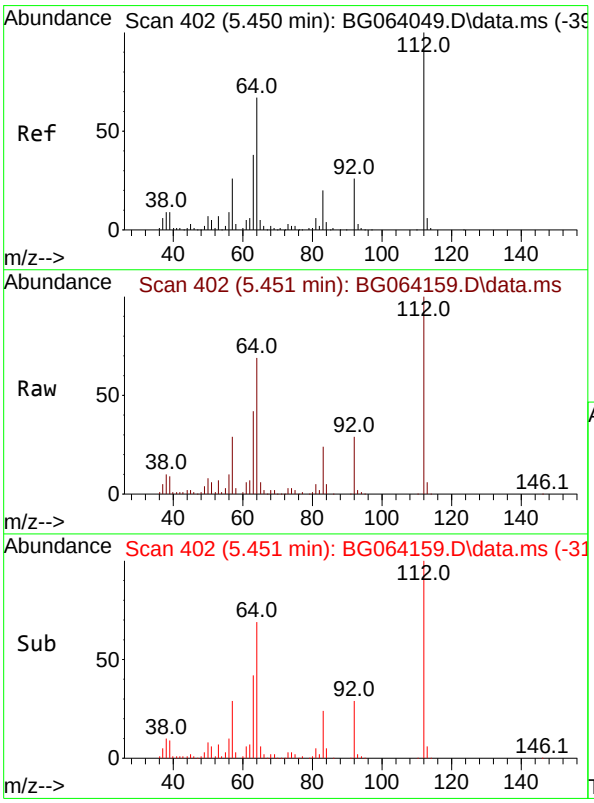
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.860 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:152 Resp: 41053

Ion	Ratio	Lower	Upper
152	100		
150	172.1	129.2	193.8
115	72.9	63.0	94.6

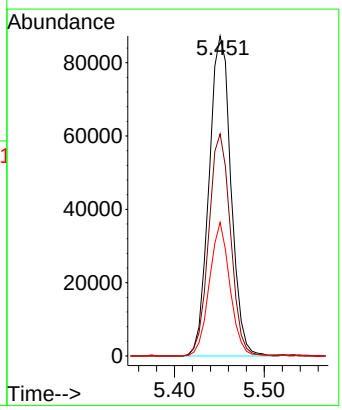


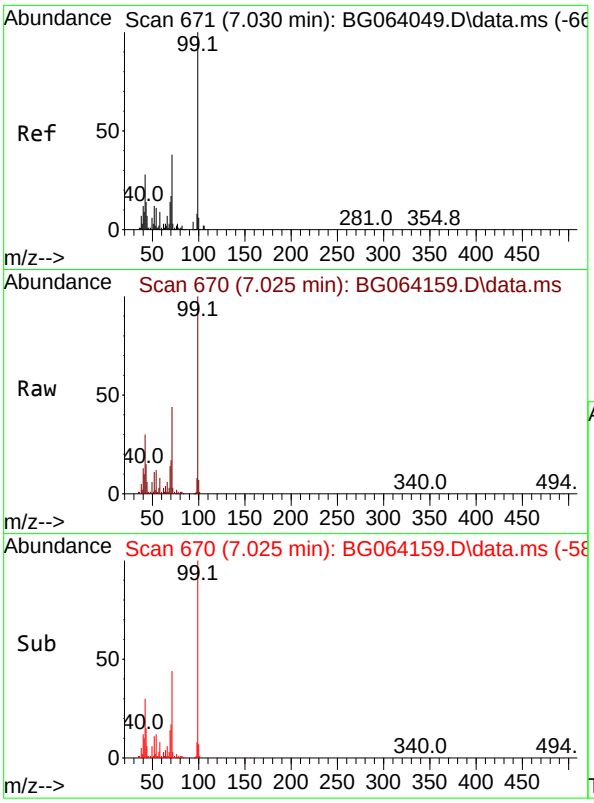


#5
2-Fluorophenol
Concen: 56.341 ng
RT: 5.451 min Scan# 402
Delta R.T. 0.001 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:112 Resp: 148129

Ion	Ratio	Lower	Upper
112	100		
64	69.4	53.7	80.5
63	41.7	30.2	45.4



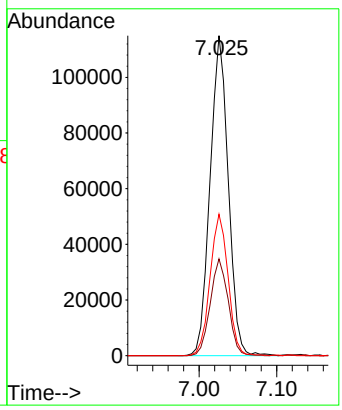


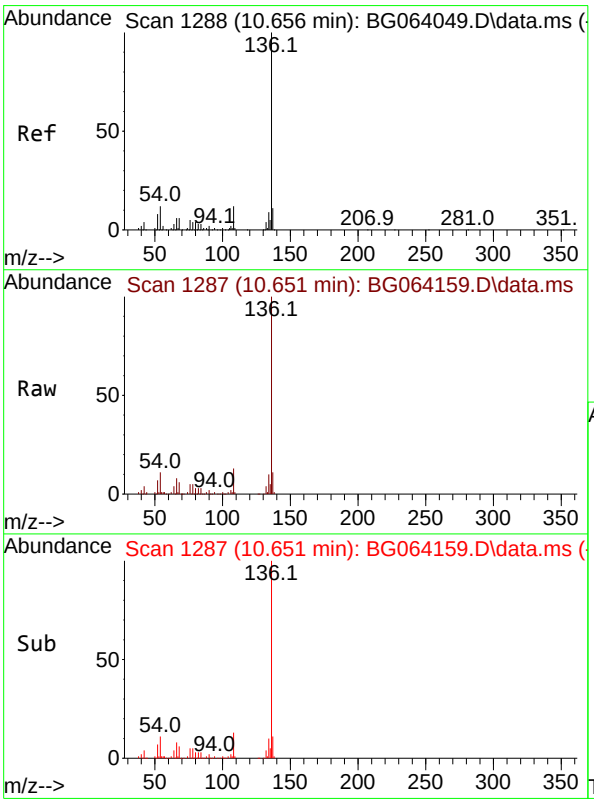
#7
Phenol-d6
Concen: 52.347 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion: 99 Resp: 187229

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.7	34.1
71	44.2	30.6	46.0

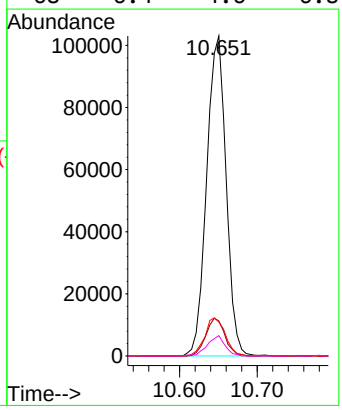


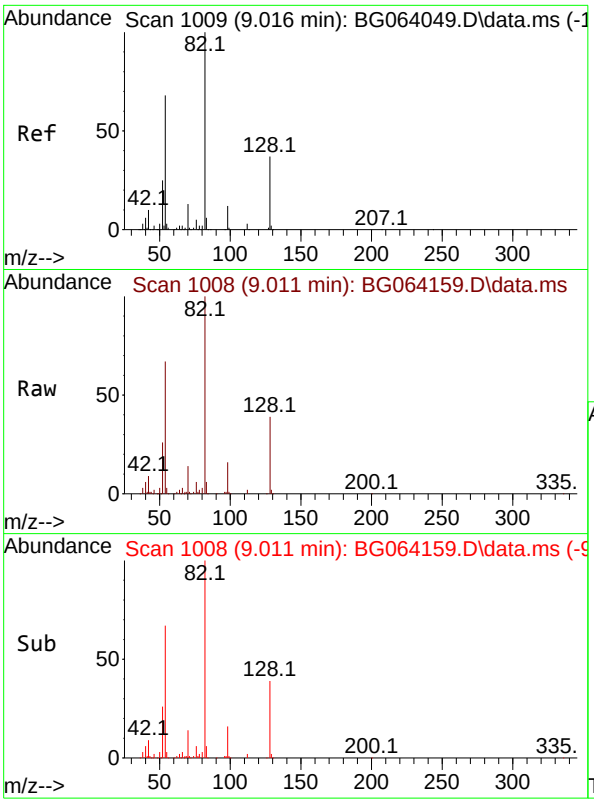


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:136 Resp: 179922

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.6	9.9	14.9
68	6.4	4.6	6.8



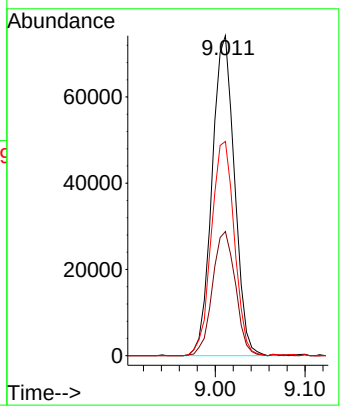


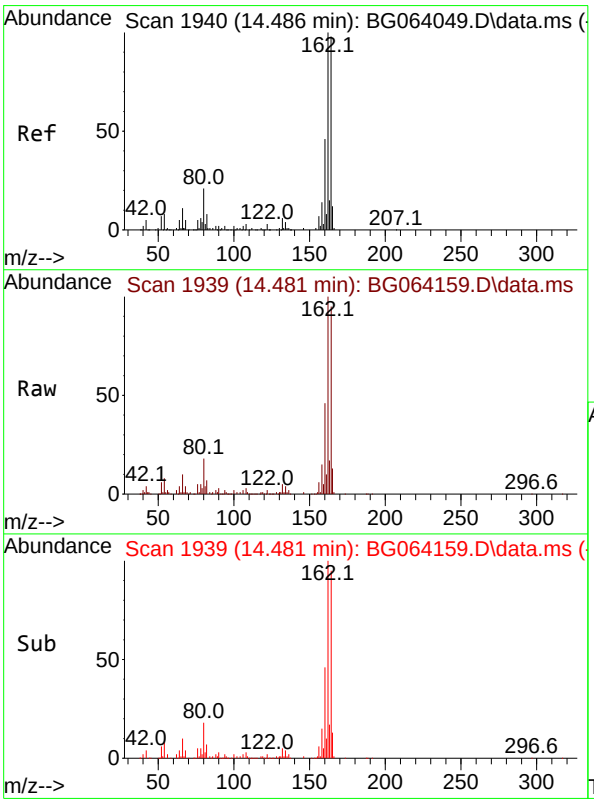
#23
Nitrobenzene-d5
Concen: 39.541 ng
RT: 9.011 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion: 82 Resp: 128738

Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.0	45.0
54	67.0	54.7	82.1

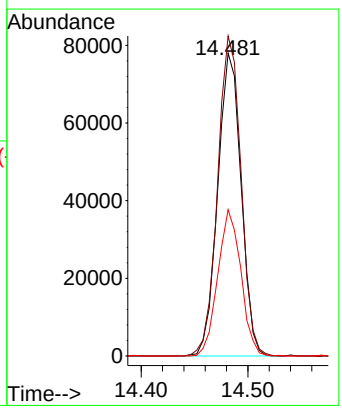


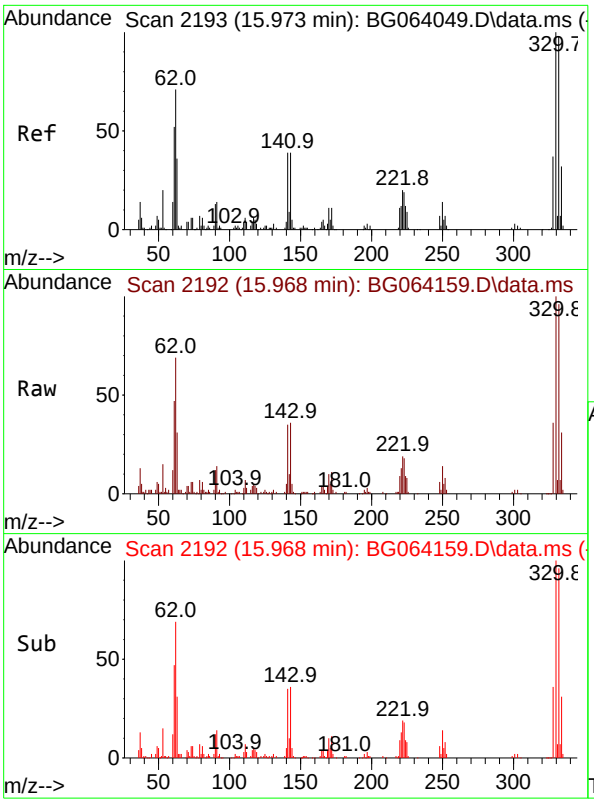


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:164 Resp: 118520

Ion	Ratio	Lower	Upper
164	100		
162	105.6	81.4	122.0
160	48.3	37.0	55.6



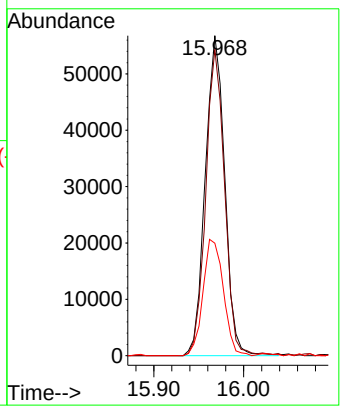


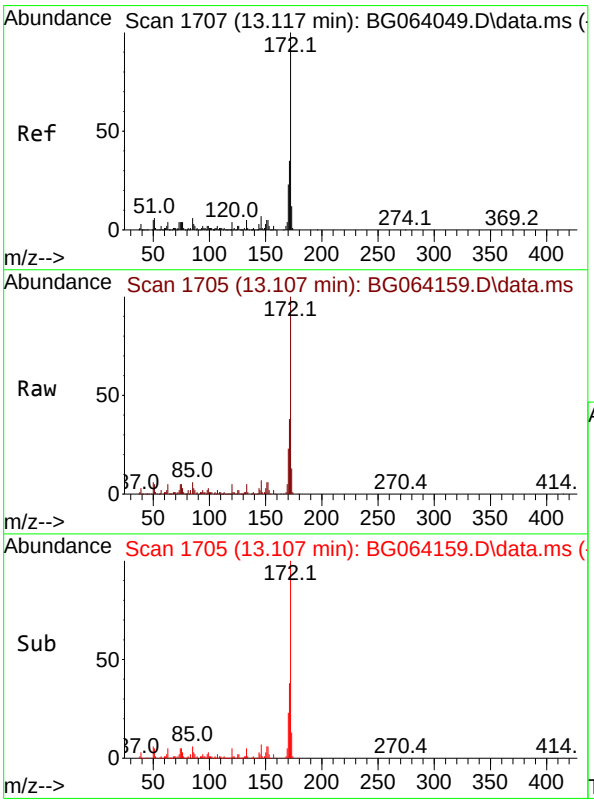
#42
2,4,6-Tribromophenol
Concen: 64.948 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:330 Resp: 85564

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.7	115.1
141	38.0	29.7	44.5

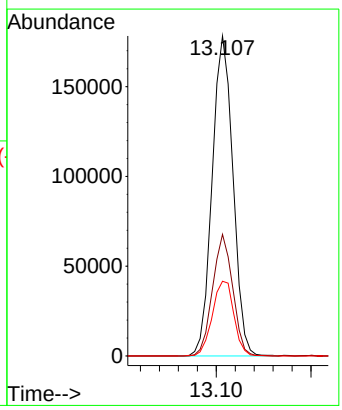


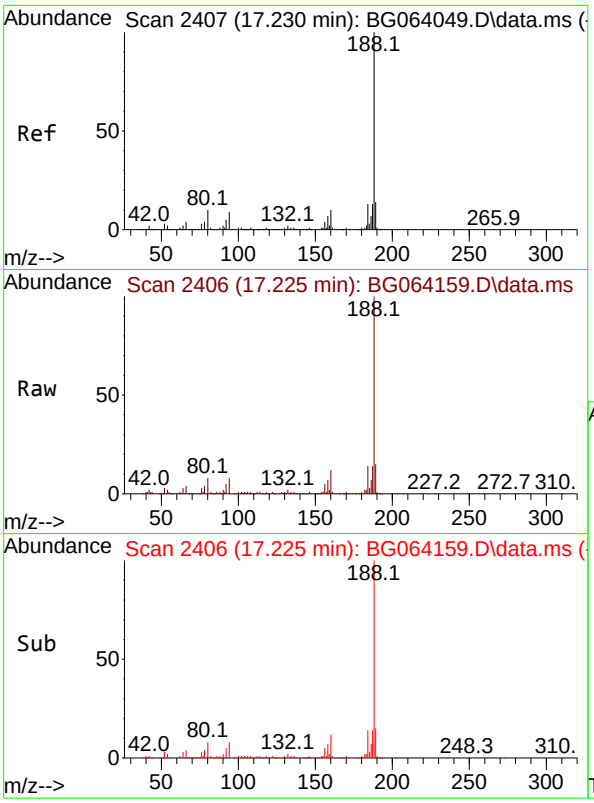


#45
2-Fluorobiphenyl
Concen: 34.777 ng
RT: 13.107 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:172 Resp: 271549

Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.0	42.0
170	23.4	18.7	28.1



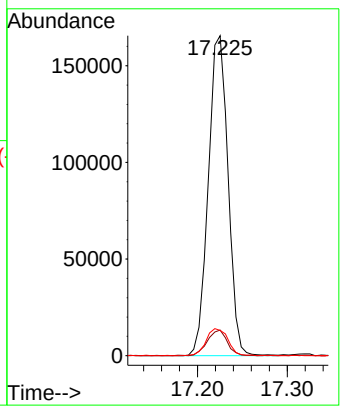


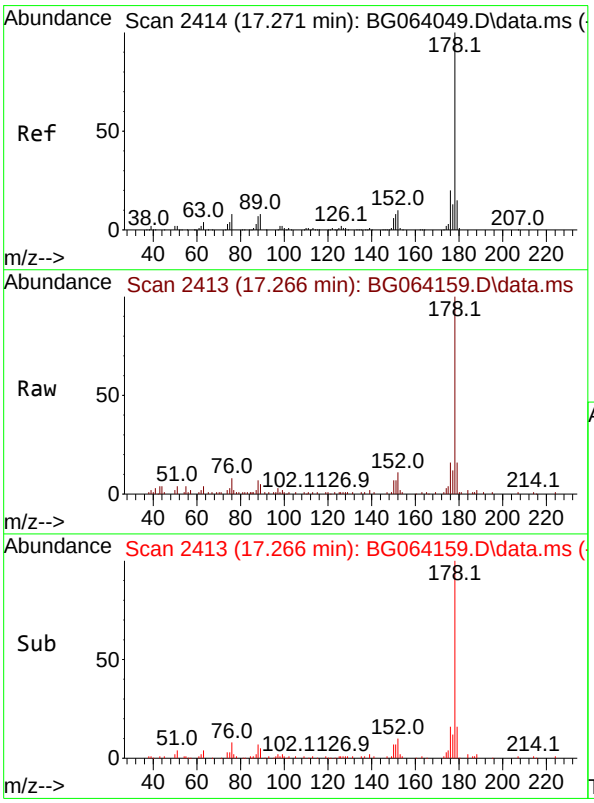
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:188 Resp: 252593

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	7.9	8.1	12.1#

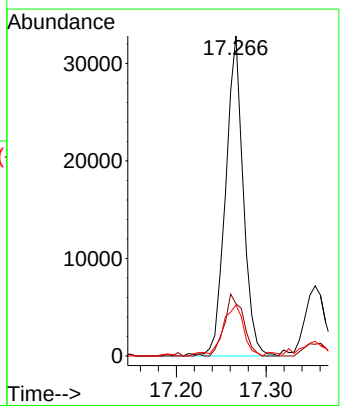


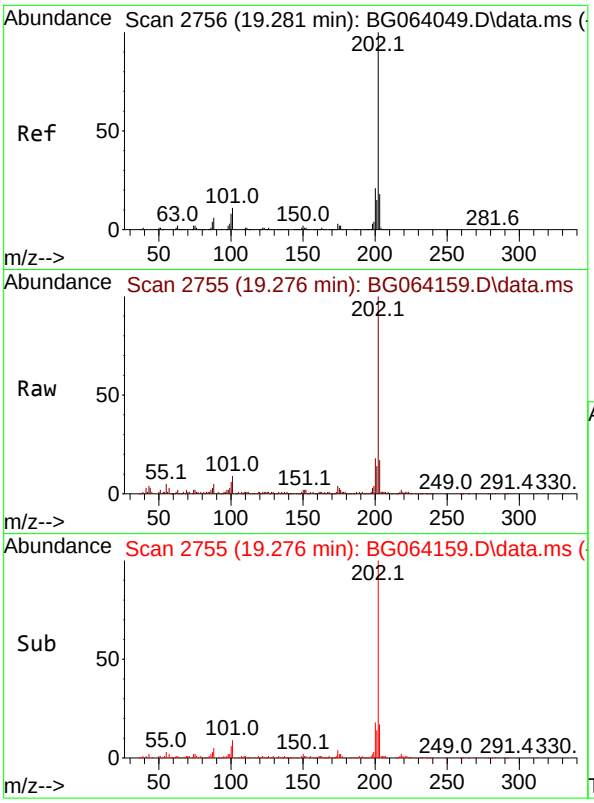


#71
Phenanthrene
Concen: 3.321 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:178 Resp: 44747

Ion	Ratio	Lower	Upper
178	100		
176	16.3	15.9	23.9
179	15.9	12.2	18.2



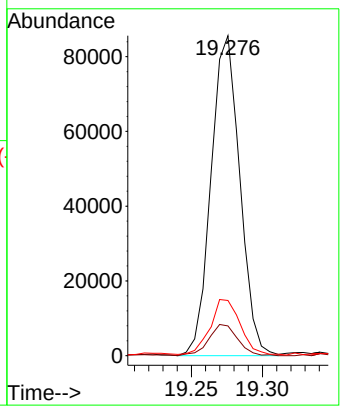


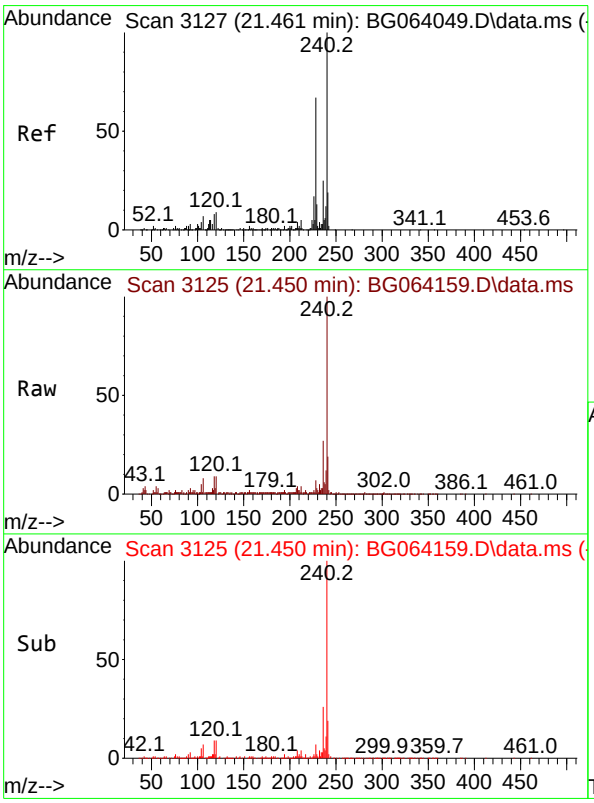
#75
Fluoranthene
Concen: 7.434 ng
RT: 19.276 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:202 Resp: 120742

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	30.5
203	17.3	0.0	38.3

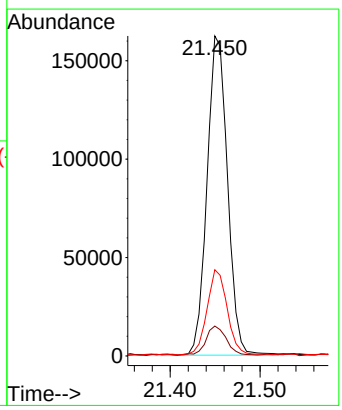


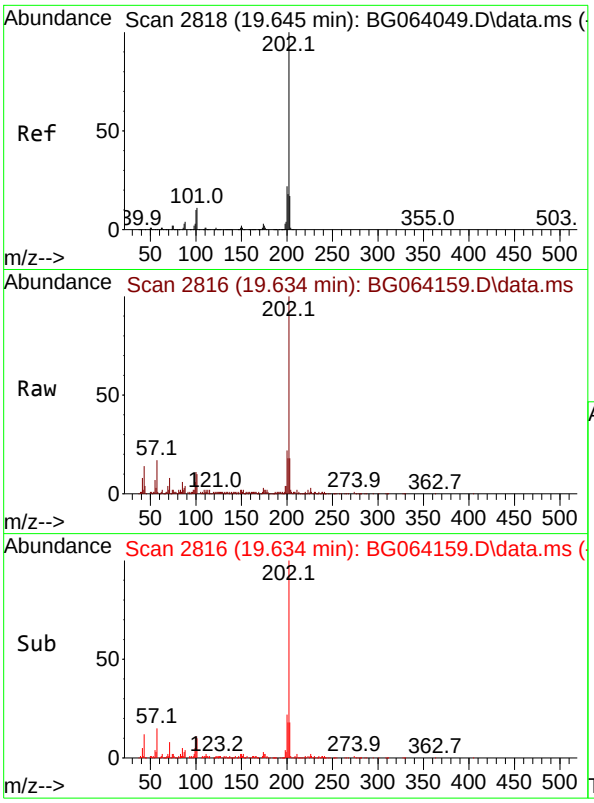


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.450 min Scan# 3125
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:240 Resp: 256965

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.2	10.8
236	27.0	20.2	30.2



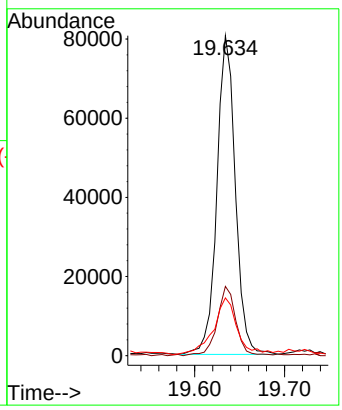


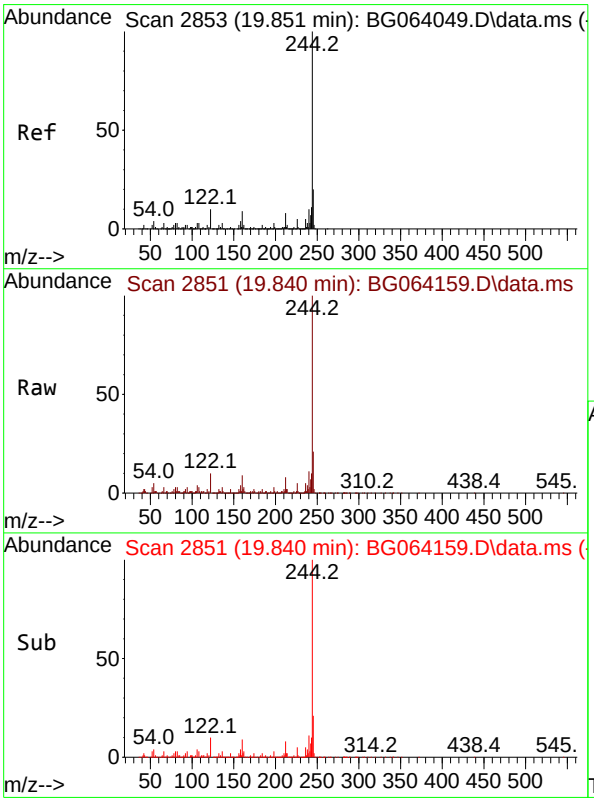
#78
Pyrene
Concen: 6.925 ng
RT: 19.634 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:202 Resp: 114704

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.0	13.6	20.4

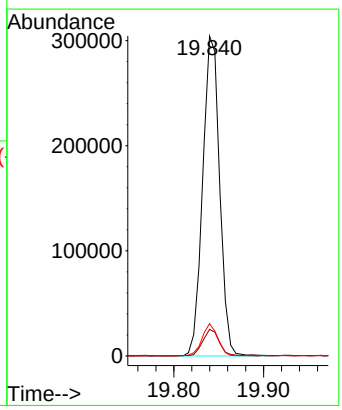


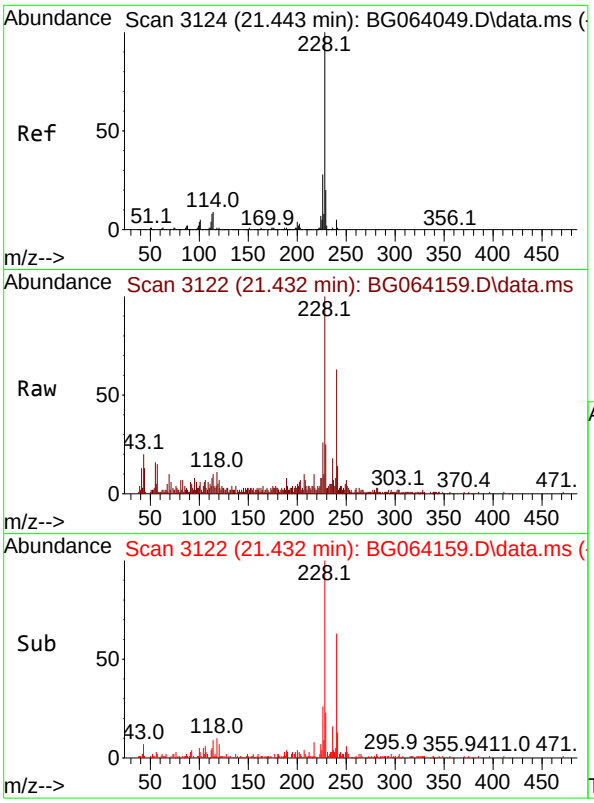


#79
Terphenyl-d14
Concen: 31.380 ng
RT: 19.840 min Scan# 2851
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:244 Resp: 398788

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	10.1	8.0	12.0



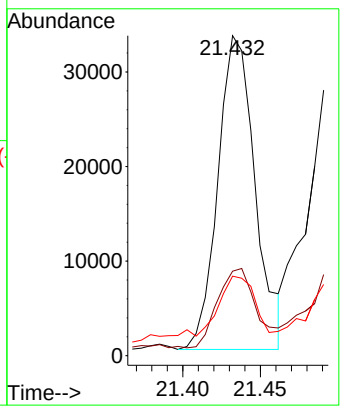


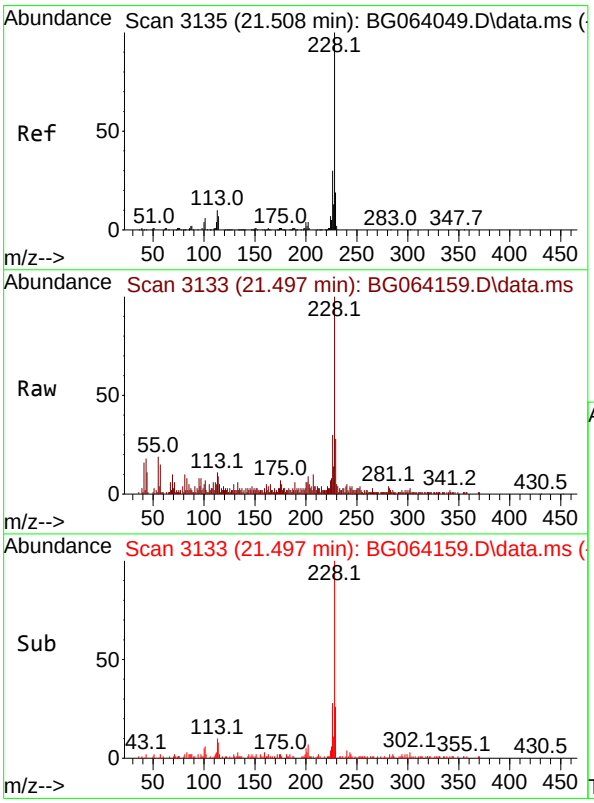
#81
Benzo(a)anthracene
Concen: 3.368 ng
RT: 21.432 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:228 Resp: 55438

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.2	33.2
229	24.9	16.4	24.6#

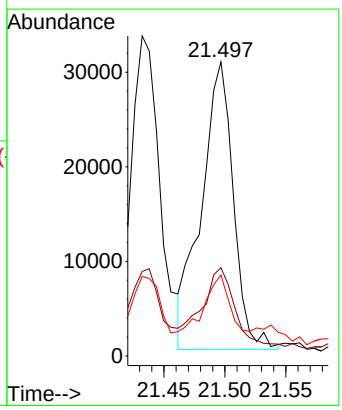


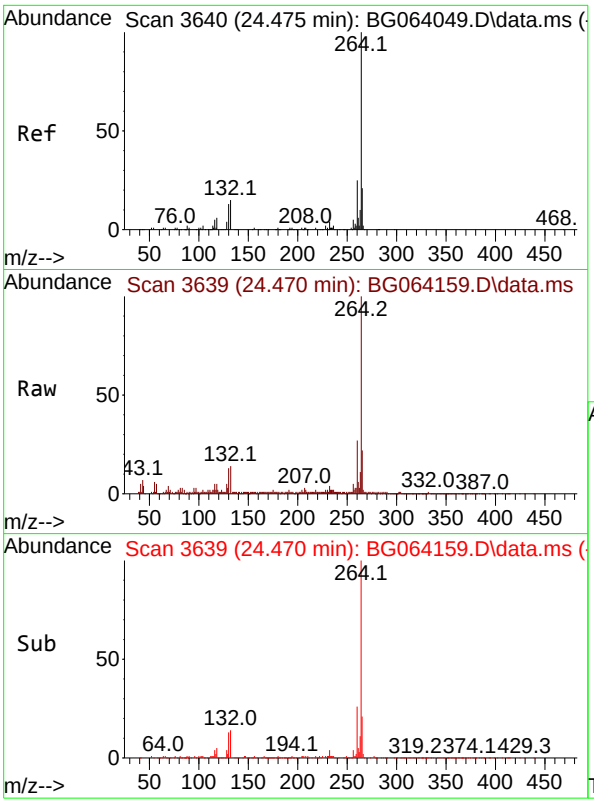


#83
Chrysene
Concen: 3.388 ng
RT: 21.497 min Scan# 3133
Delta R.T. -0.011 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:228 Resp: 55618

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	27.6	15.3	22.9#



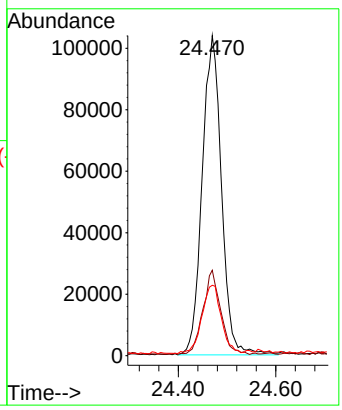


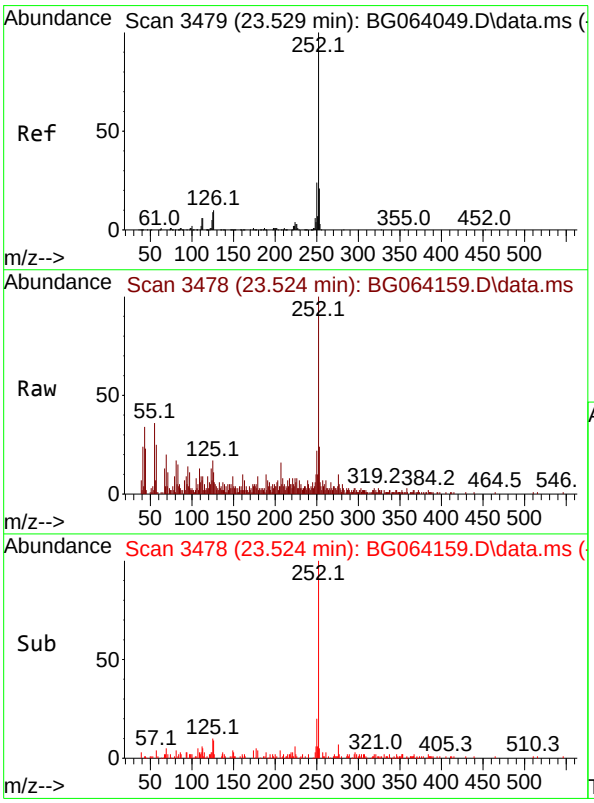
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.470 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:264 Resp: 285375

Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.6	29.4
265	22.0	16.6	25.0

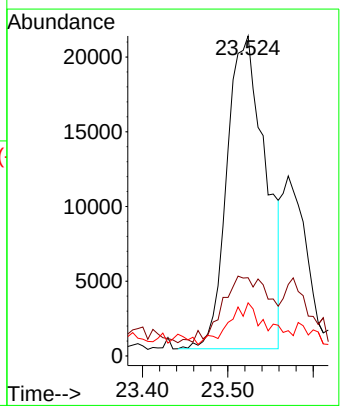


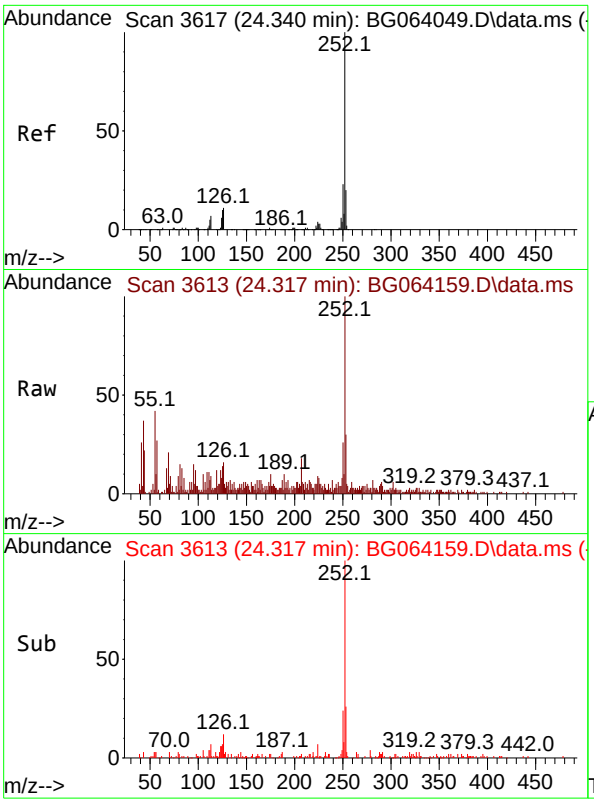


#88
Benzo(b)fluoranthene
Concen: 3.799 ng
RT: 23.524 min Scan# 3478
Delta R.T. -0.005 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Tgt Ion:252 Resp: 65540

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.4
125	16.6	7.4	11.2#





#90
Benzo(a)pyrene
Concen: 3.300 ng
RT: 24.317 min Scan# 3
Delta R.T. -0.023 min
Lab File: BG064159.D
Acq: 2 Apr 2025 19:04

Instrument :
BNA_G
ClientSampleId :
HR-02-040125

Tgt Ion:252 Resp: 50708

Ion	Ratio	Lower	Upper
252	100		
253	30.1	16.2	24.2#
125	14.1	7.8	11.6#