Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
Data File : BG057830.D
Acq On : 23 Jun 2023 5:59
Operator : CG/JU
Sample : 03327-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Quant Time: Jun 23 06:45:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 03:40:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.924	152	47113	20.000	ng		0.00
21) Naphthalene-d8	10.727	136	201755	20.000	ng		0.00
39) Acenaphthene-d10	14.557	164	129001	20.000	ng		0.00
64) Phenanthrene-d10	17.301	188	290337	20.000	ng		0.00
76) Chrysene-d12	21.549	240	244374	20.000	ng		-0.01
86) Perylene-d12	24.704	264	300421	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.497	112	207932	68.052	ng		0.00
7) Phenol-d6	7.084	99	297349	63.778	ng		0.00
23) Nitrobenzene-d5	9.081	82	179712	45.716	ng		-0.01
42) 2,4,6-Tribromophenol	16.044	330	122012	67.899	ng		0.00
45) 2-Fluorobiphenyl	13.183	172	416841	49.011	ng		0.00
79) Terphenyl-d14	19.916	244	655262	49.999	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.342	178	29022	2.065	ng		97
75) Fluoranthene	19.352	202	80760	4.822	ng		98
78) Pyrene	19.716	202	74714	4.286	ng		100
81) Benzo(a)anthracene	21.532	228	43284	2.582	ng		98
83) Chrysene	21.596	228	38705	2.405	ng		96
88) Benzo(b)fluoranthene	23.706	252	52702	3.201	ng	#	93
90) Benzo(a)pyrene	24.552	252	40507	2.505	ng		95

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

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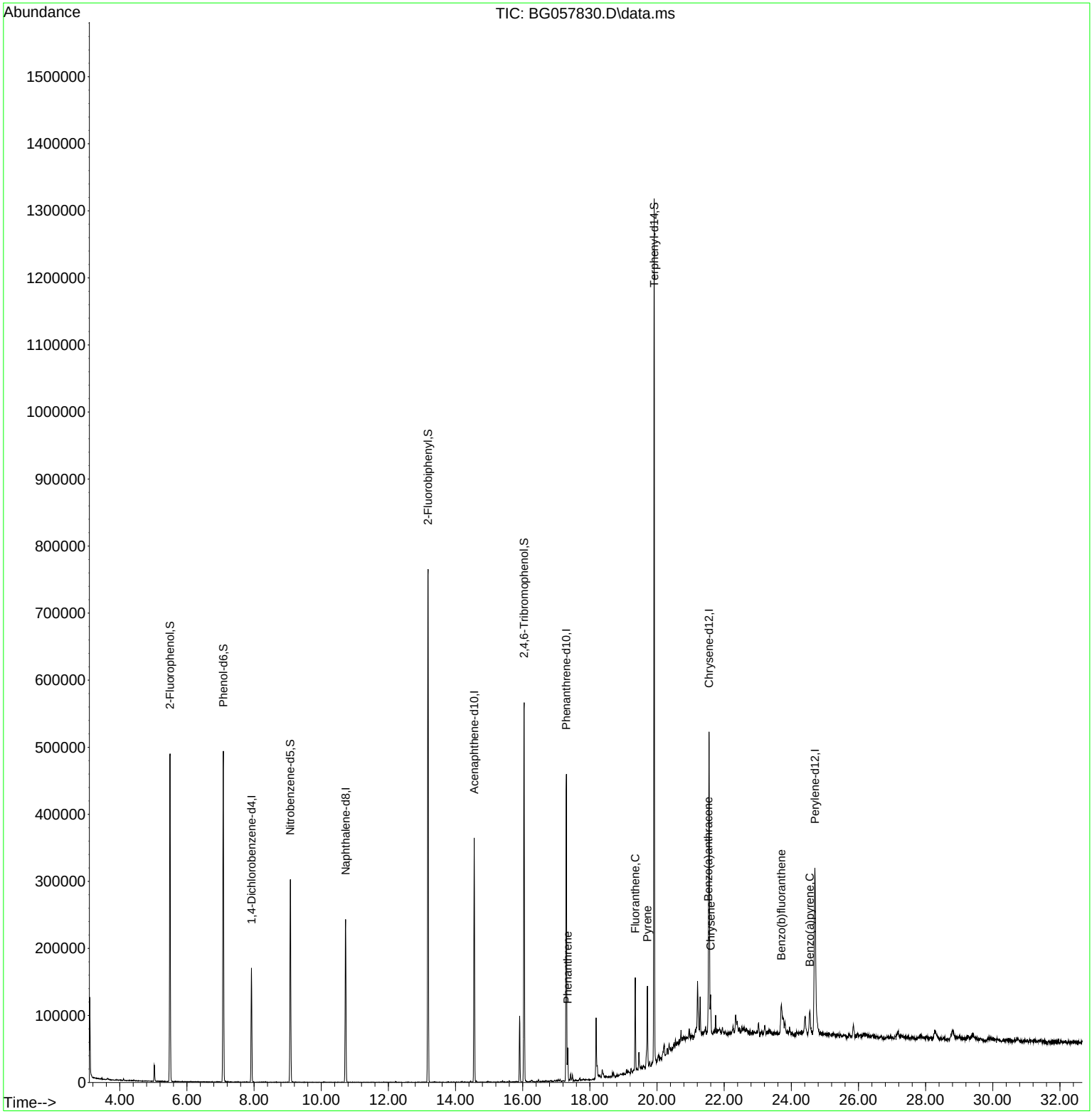
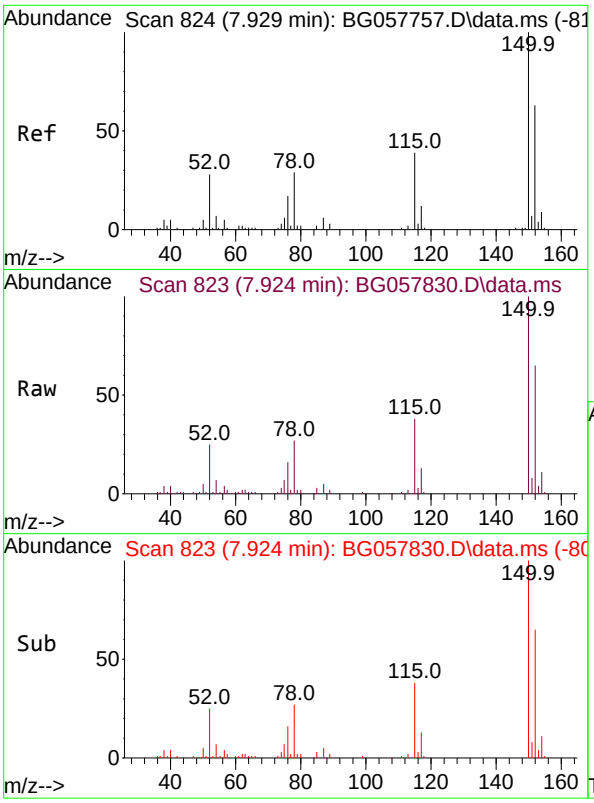


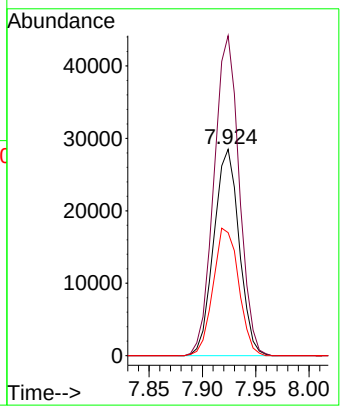


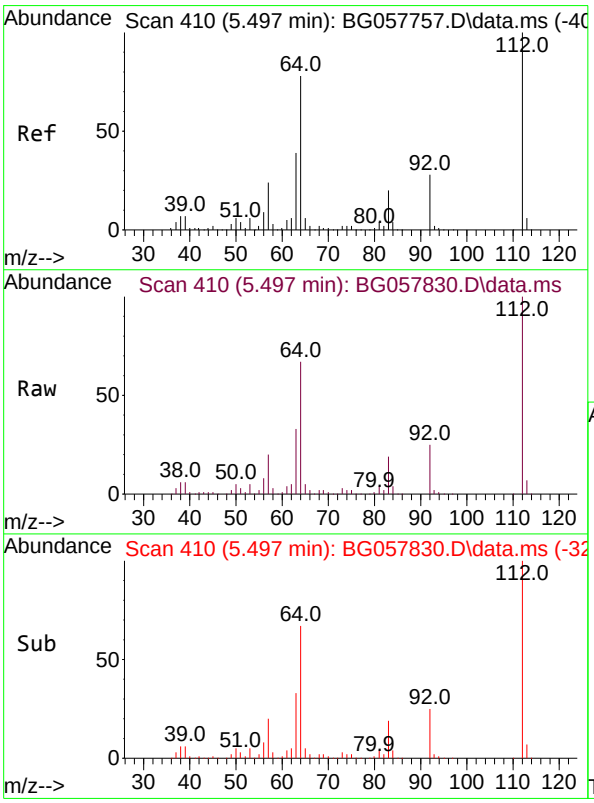
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.924 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:152 Resp: 47113

Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.6	189.8
115	59.6	48.9	73.3

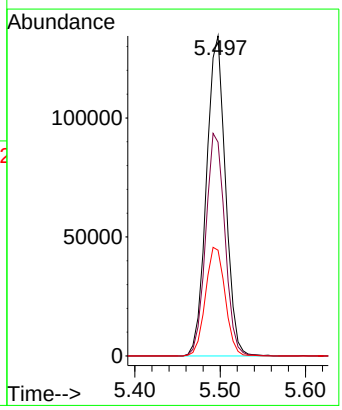


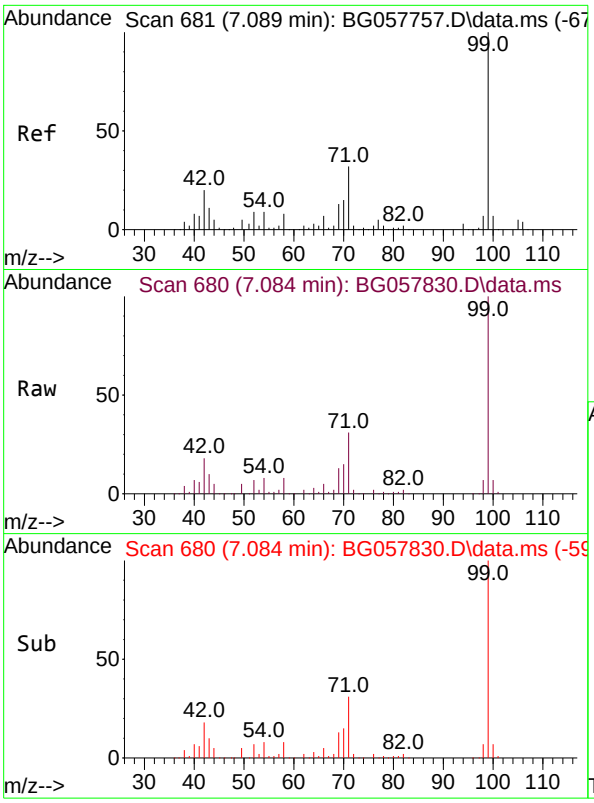


#5
2-Fluorophenol
Concen: 68.052 ng
RT: 5.497 min Scan# 410
Delta R.T. 0.000 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:112 Resp: 207932

Ion	Ratio	Lower	Upper
112	100		
64	66.8	62.1	93.1
63	33.1	31.5	47.3



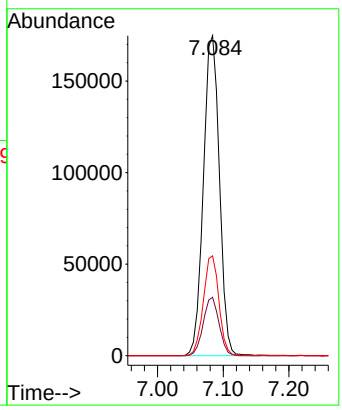


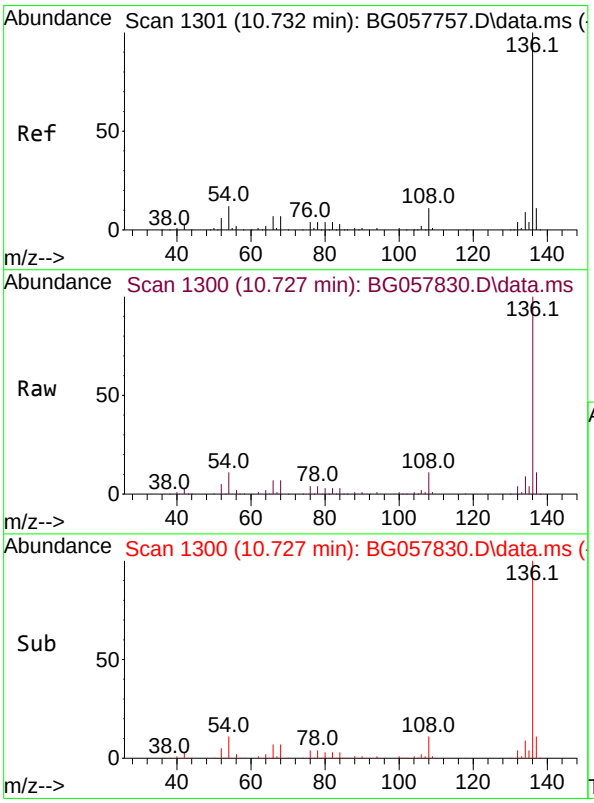
#7
Phenol-d6
Concen: 63.778 ng
RT: 7.084 min Scan# 6
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion: 99 Resp: 297349

Ion	Ratio	Lower	Upper
99	100		
42	18.3	16.4	24.6
71	31.2	25.8	38.6

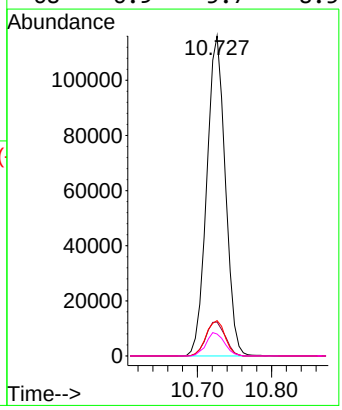


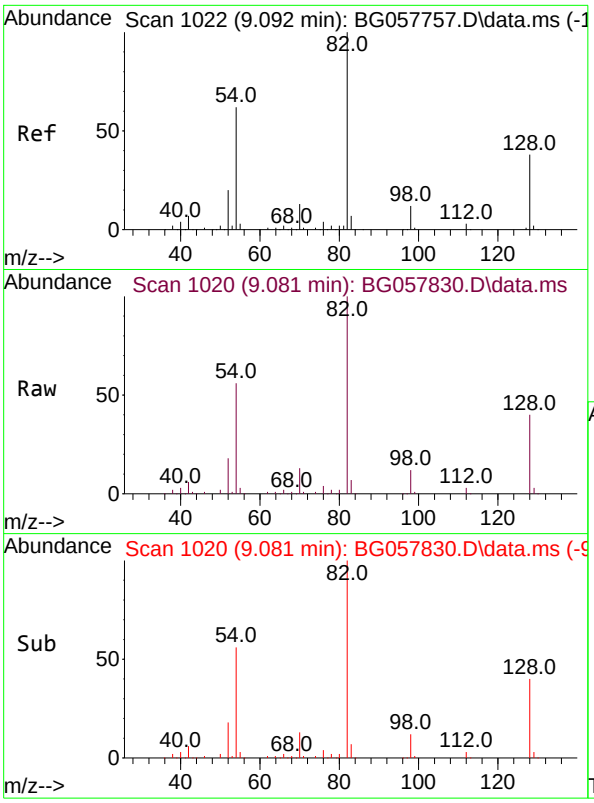


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.727 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:136 Resp: 201755

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.0	9.5	14.3
68	6.9	5.7	8.5



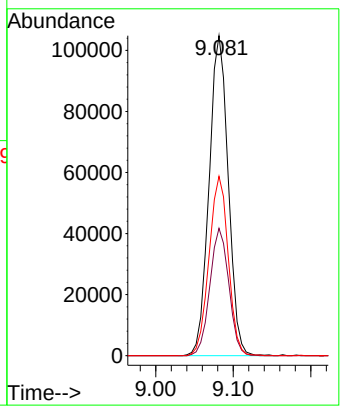


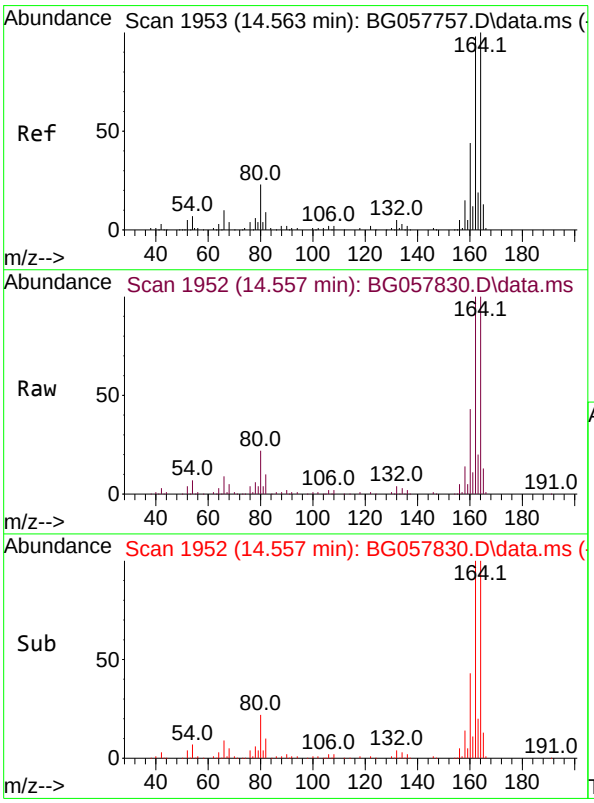
#23
Nitrobenzene-d5
Concen: 45.716 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion: 82 Resp: 179712

Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.7	46.1
54	56.0	49.6	74.4

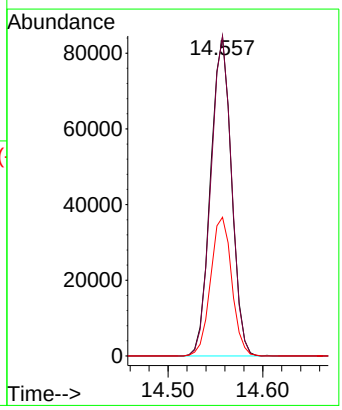


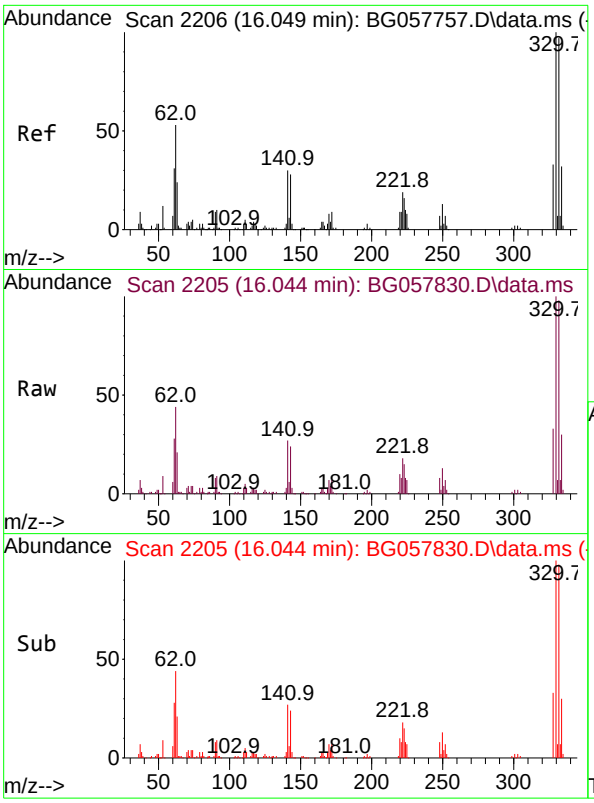


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:164 Resp: 129001

Ion	Ratio	Lower	Upper
164	100		
162	100.2	78.3	117.5
160	43.5	35.4	53.0



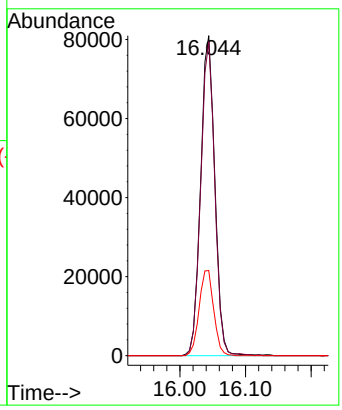


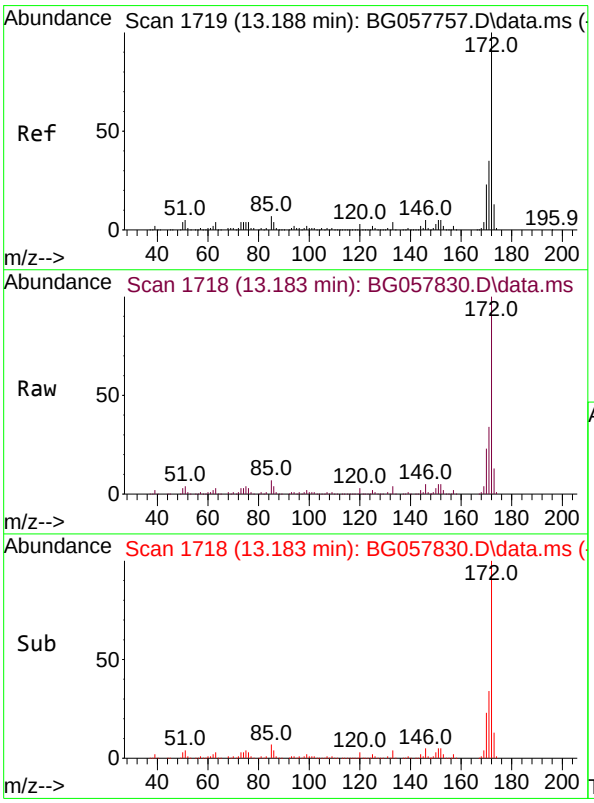
#42
2,4,6-Tribromophenol
Concen: 67.899 ng
RT: 16.044 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:330 Resp: 122012

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	27.4	24.7	37.1

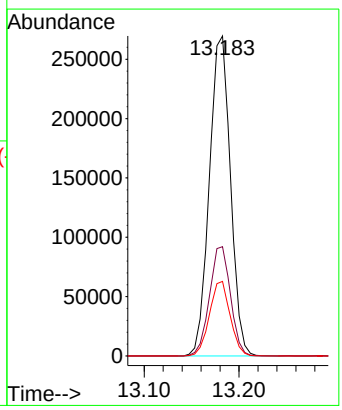


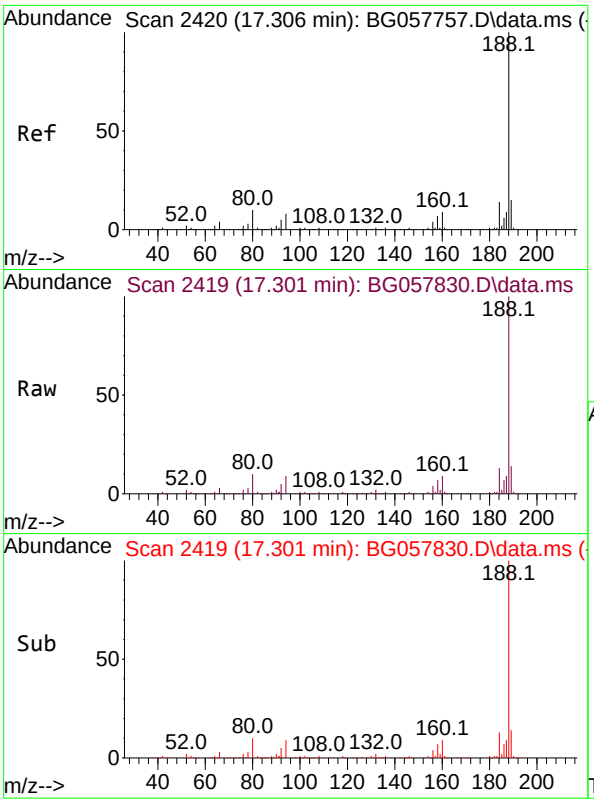


#45
2-Fluorobiphenyl
Concen: 49.011 ng
RT: 13.183 min Scan# 1718
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:172 Resp: 416841

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	23.3	18.6	27.8



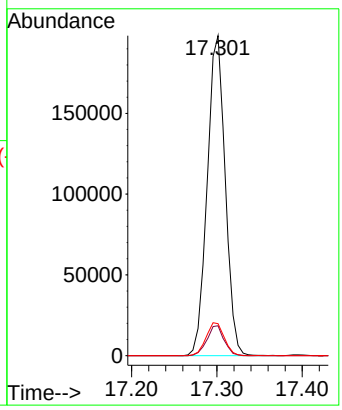


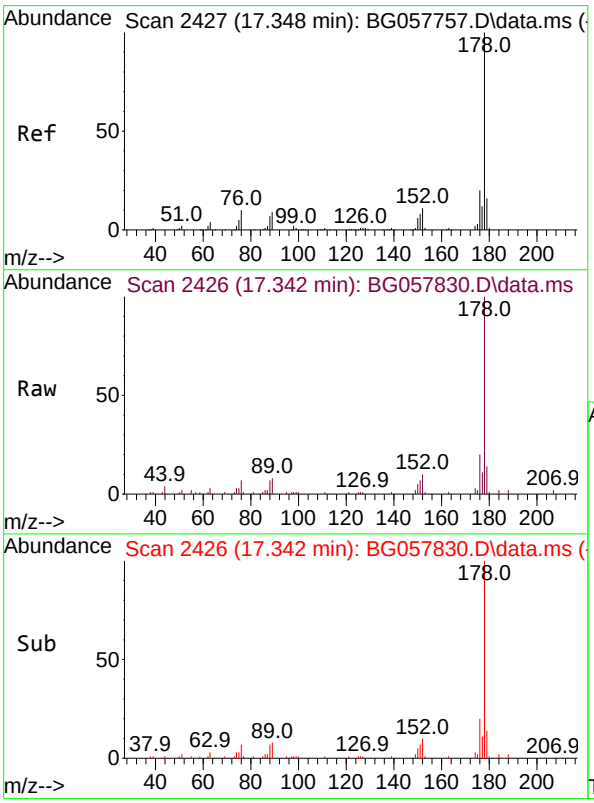
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.301 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:188 Resp: 290337

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	9.8
80	10.0	7.6	11.4

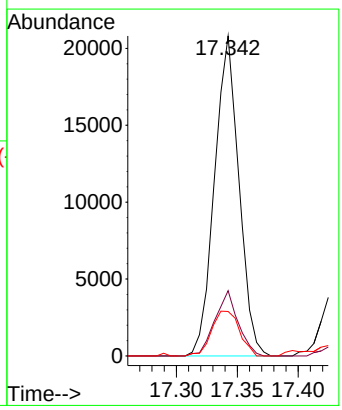


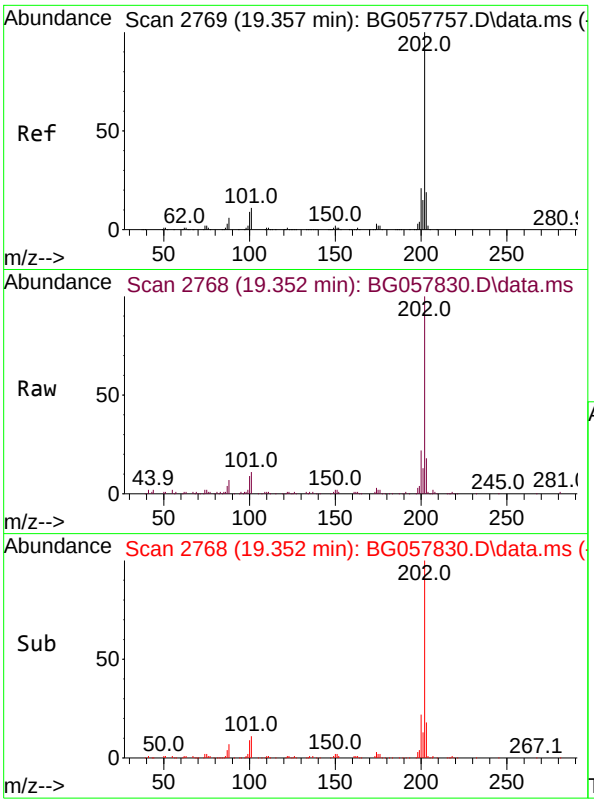


#71
Phenanthrene
Concen: 2.065 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:178 Resp: 29022

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.3	24.5
179	13.9	13.0	19.6



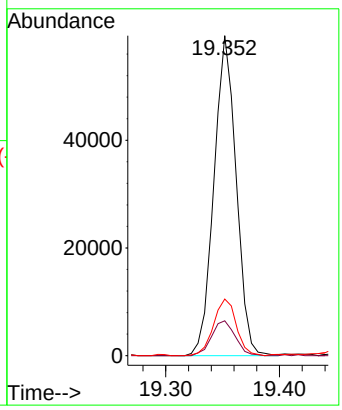


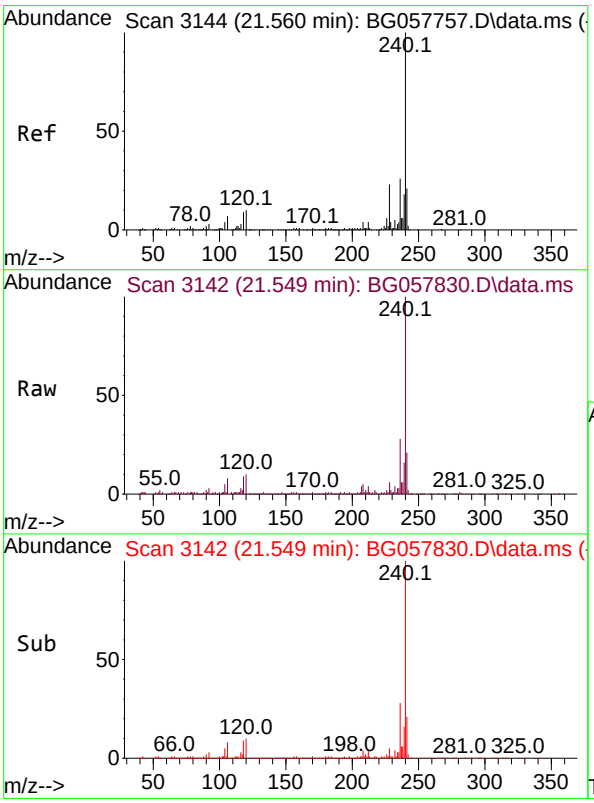
#75
Fluoranthene
Concen: 4.822 ng
RT: 19.352 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:202 Resp: 80760

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.3
203	17.7	0.0	38.7

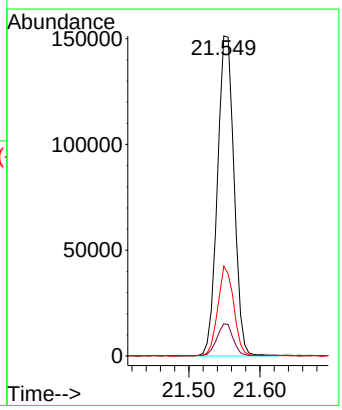


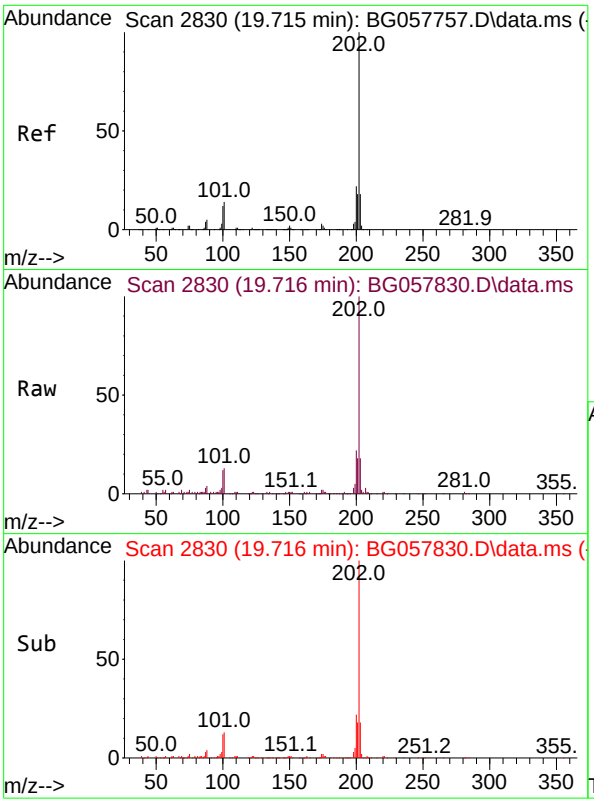


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.549 min Scan# 3142
Delta R.T. -0.011 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:240 Resp: 244374

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.1	12.1
236	28.0	20.6	30.8



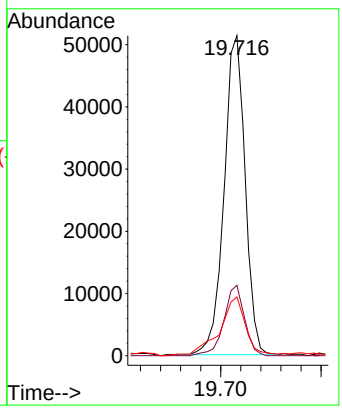


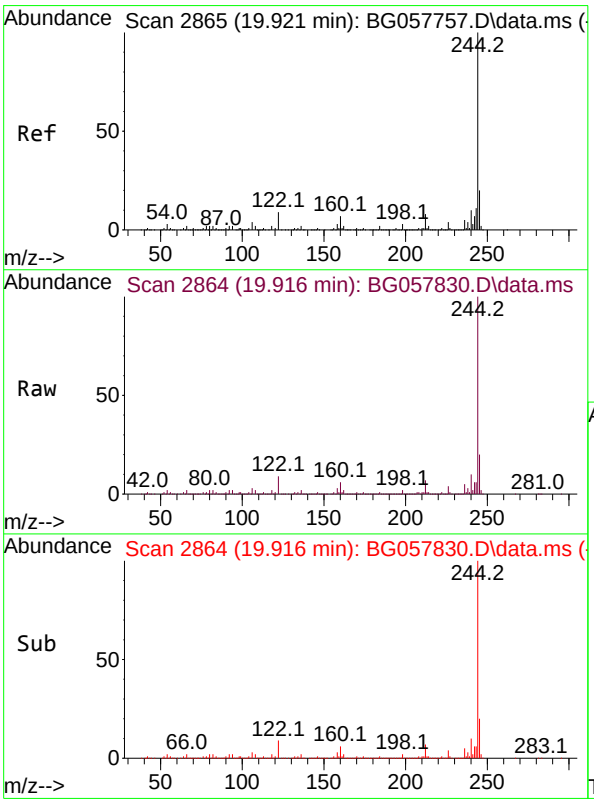
#78
Pyrene
Concen: 4.286 ng
RT: 19.716 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:202 Resp: 74714

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.0
203	18.3	14.6	22.0

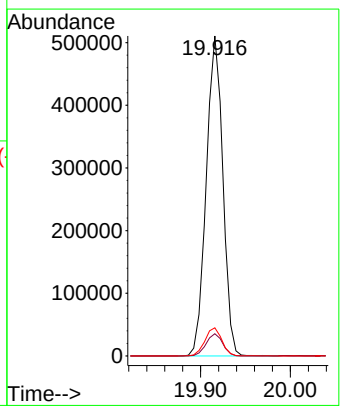


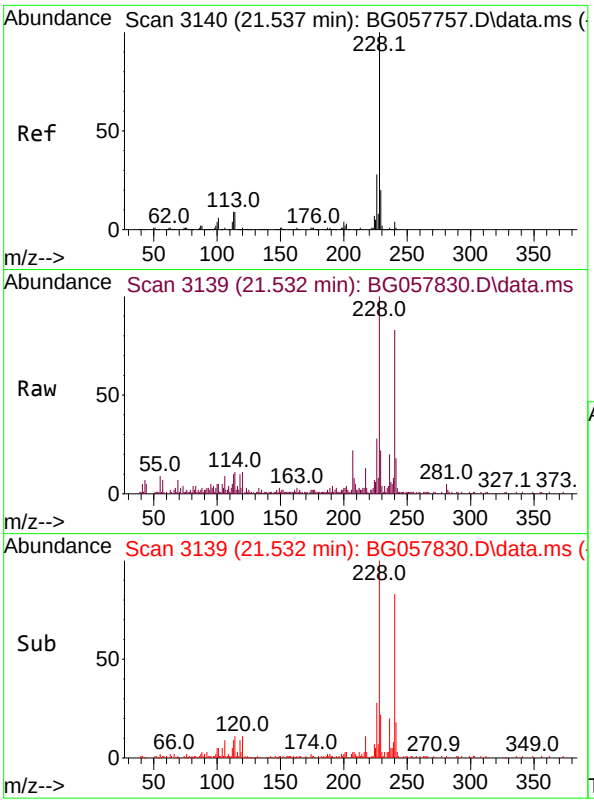


#79
Terphenyl-d14
Concen: 49.999 ng
RT: 19.916 min Scan# 2864
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:244 Resp: 655262

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	8.8	7.6	11.4



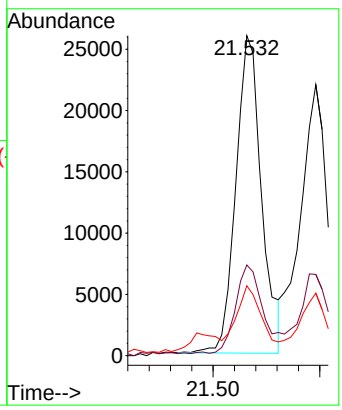


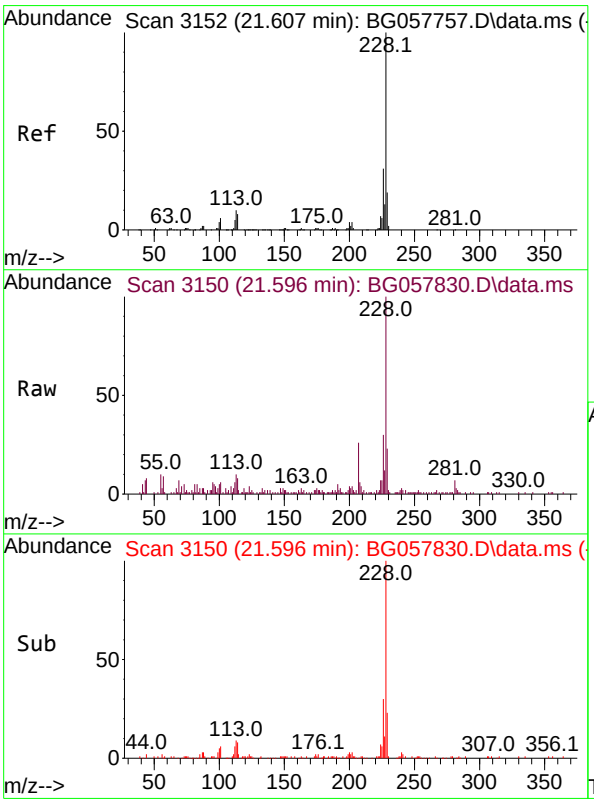
#81
Benzo(a)anthracene
Concen: 2.582 ng
RT: 21.532 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:228 Resp: 43284

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	21.8	16.3	24.5

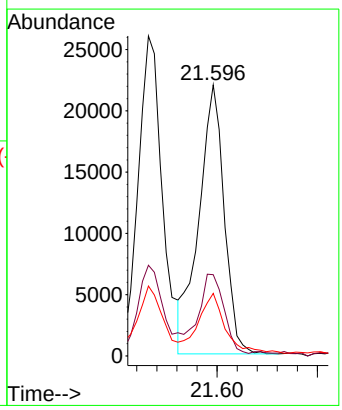


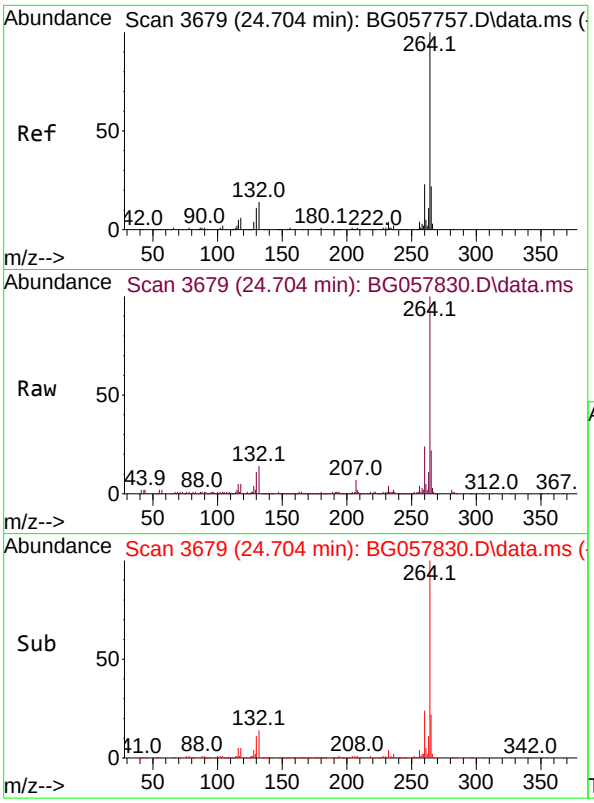


#83
Chrysene
Concen: 2.405 ng
RT: 21.596 min Scan# 3150
Delta R.T. -0.011 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:228 Resp: 38705

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.8	37.2
229	23.1	15.6	23.4



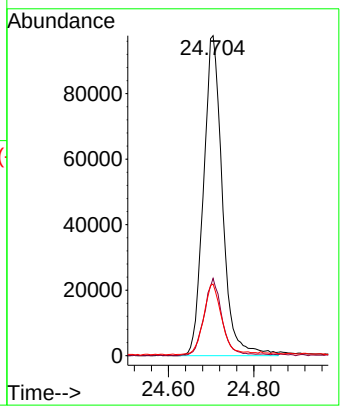


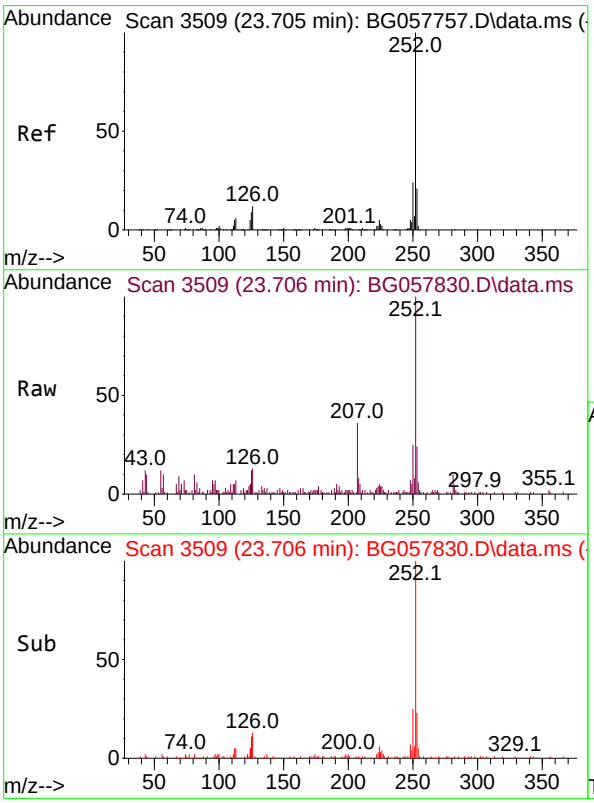
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.704 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:264 Resp: 300421

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.5	27.7
265	22.4	17.4	26.2

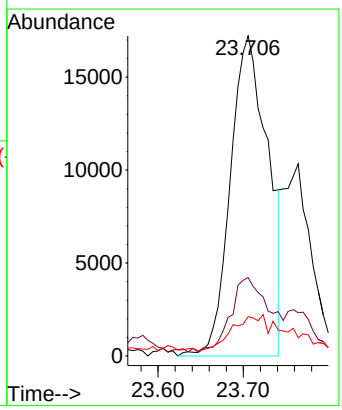


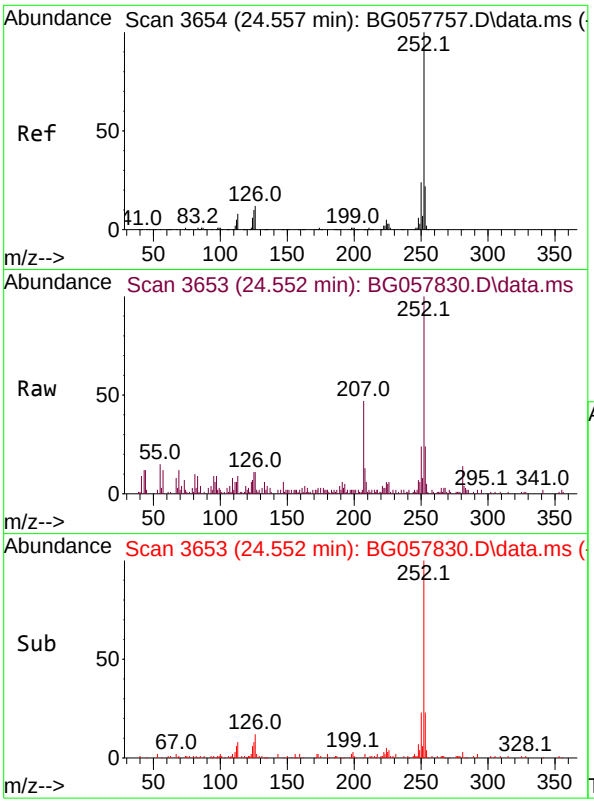


#88
Benzo(b)fluoranthene
Concen: 3.201 ng
RT: 23.706 min Scan# 3509
Delta R.T. 0.001 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Tgt Ion:252 Resp: 52702

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	12.3	7.4	11.0#





#90
Benzo(a)pyrene
Concen: 2.505 ng
RT: 24.552 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG057830.D
Acq: 23 Jun 2023 5:59

Instrument :
BNA_G
ClientSampleId :
COMPOSIT-TW-02

Tgt Ion:252 Resp: 40507

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	11.5	8.0	12.0