Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111422\
Data File : BG055614.D
Acq On : 14 Nov 2022 21:29
Operator : CG/JU
Sample : N5531-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-28A

Quant Time: Nov 15 01:06:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 03:39:46 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.264	152	54849	20.000	ng		0.00
21) Naphthalene-d8	11.091	136	228181	20.000	ng		-0.01
39) Acenaphthene-d10	14.886	164	156916	20.000	ng		0.00
64) Phenanthrene-d10	17.624	188	326489	20.000	ng		0.00
76) Chrysene-d12	21.931	240	296360	20.000	ng		0.00
86) Perylene-d12	25.356	264	314539	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.791	112	334532	116.172	ng		0.00
7) Phenol-d6	7.401	99	443788	111.568	ng		0.00
23) Nitrobenzene-d5	9.434	82	285564	84.840	ng		-0.01
42) 2,4,6-Tribromophenol	16.367	330	218482	142.702	ng		0.00
45) 2-Fluorobiphenyl	13.511	172	697157	67.016	ng		0.00
79) Terphenyl-d14	20.215	244	994529	67.403	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	19.663	202	70679	3.378	ng		99
78) Pyrene	20.027	202	125743	6.269	ng		98
81) Benzo(a)anthracene	21.907	228	65263	3.215	ng		97
83) Chrysene	21.972	228	68710	3.560	ng		97
88) Benzo(b)fluoranthene	24.263	252	70709	3.548	ng	#	97
90) Benzo(a)pyrene	25.192	252	65560	3.819	ng	#	93

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

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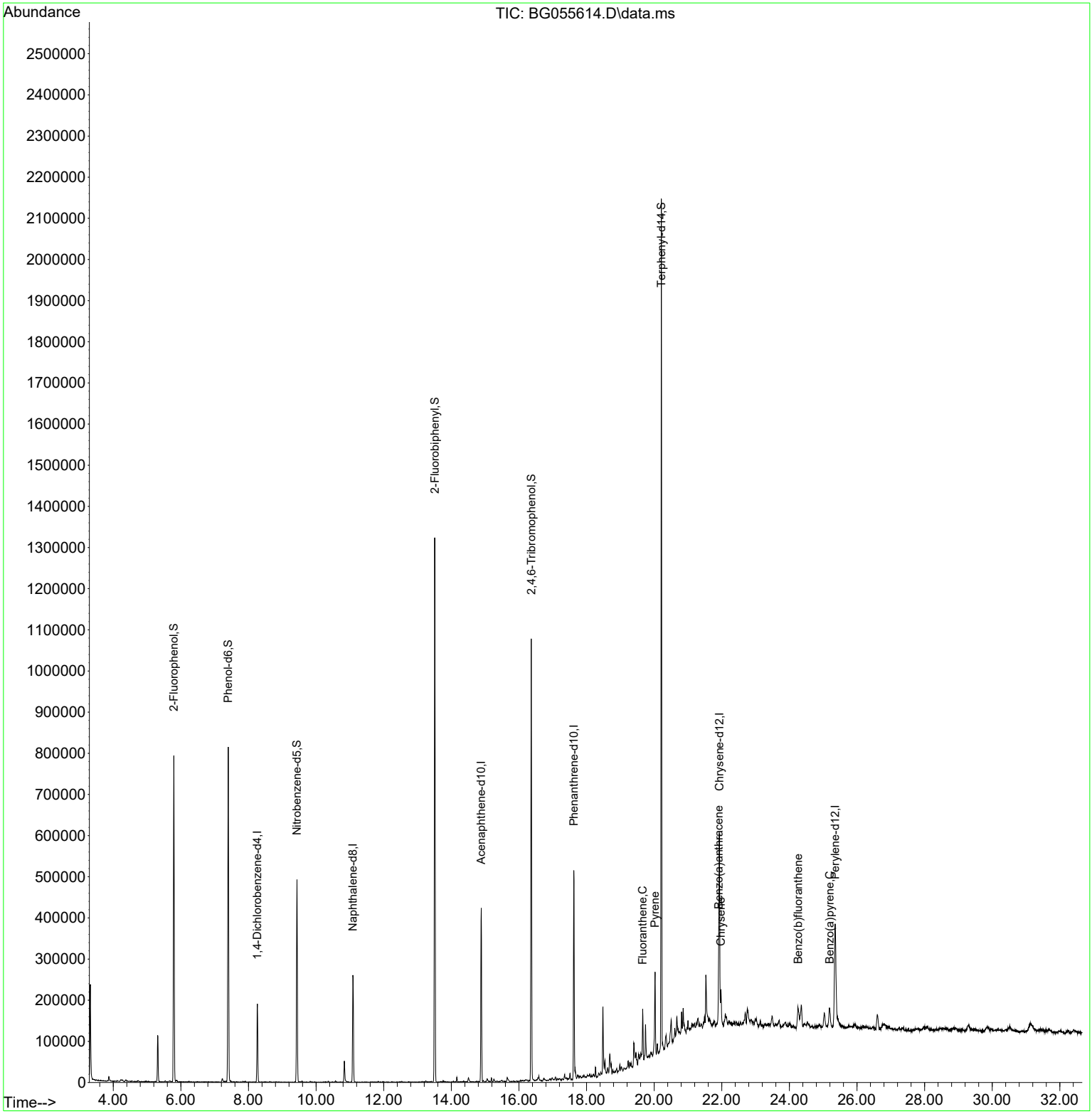
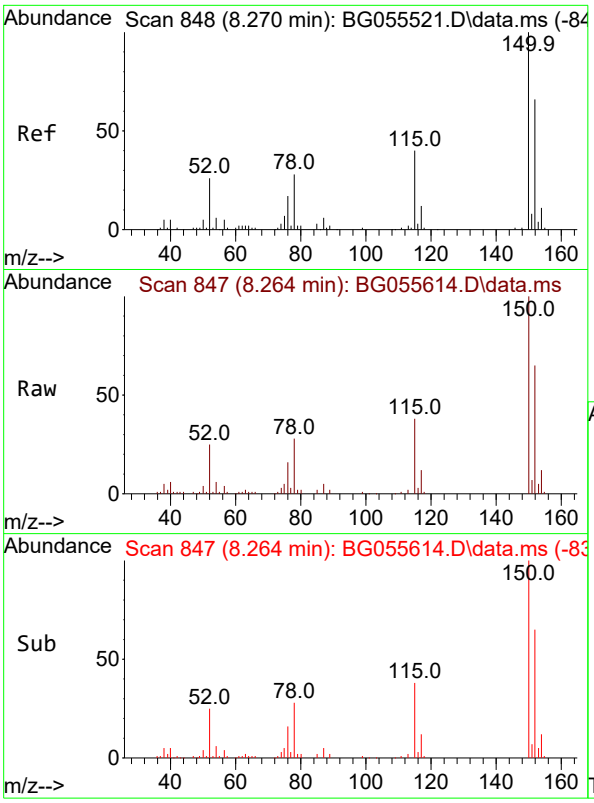


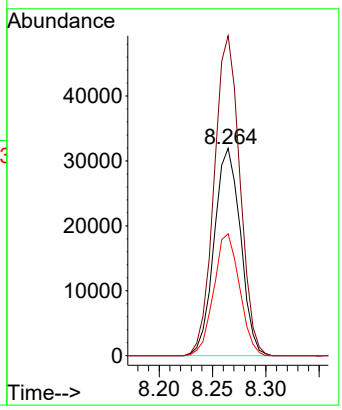


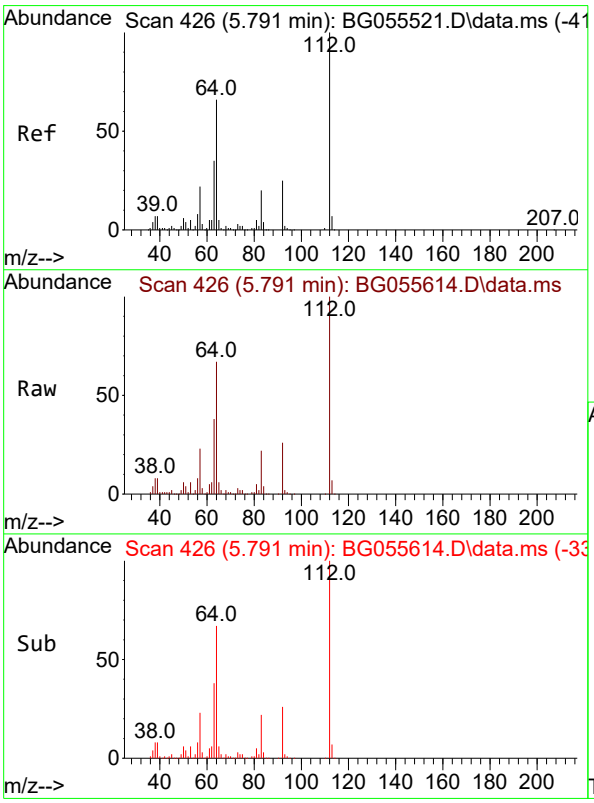
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:152 Resp: 54849

Ion	Ratio	Lower	Upper
152	100		
150	154.4	121.0	181.4
115	58.8	47.8	71.8

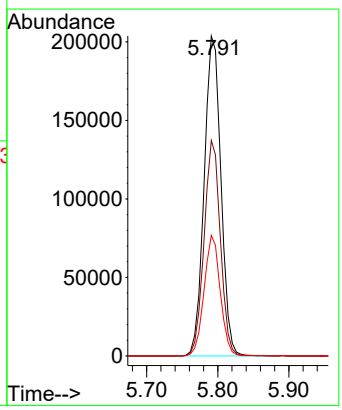


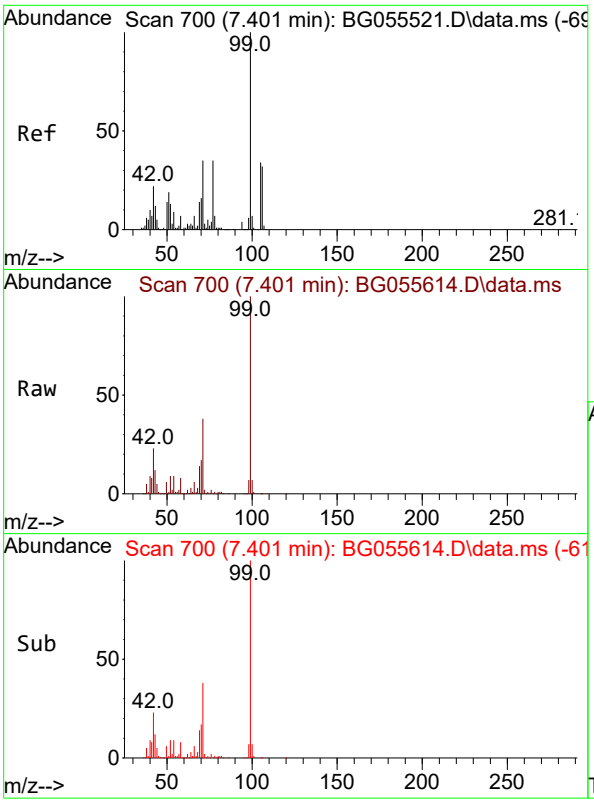


#5
2-Fluorophenol
Concen: 116.172 ng
RT: 5.791 min Scan# 426
Delta R.T. -0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:112 Resp: 334532

Ion	Ratio	Lower	Upper
112	100		
64	67.4	52.6	78.8
63	37.7	28.3	42.5



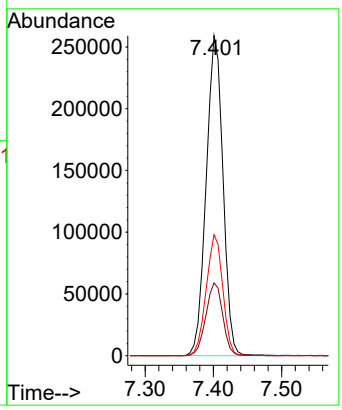


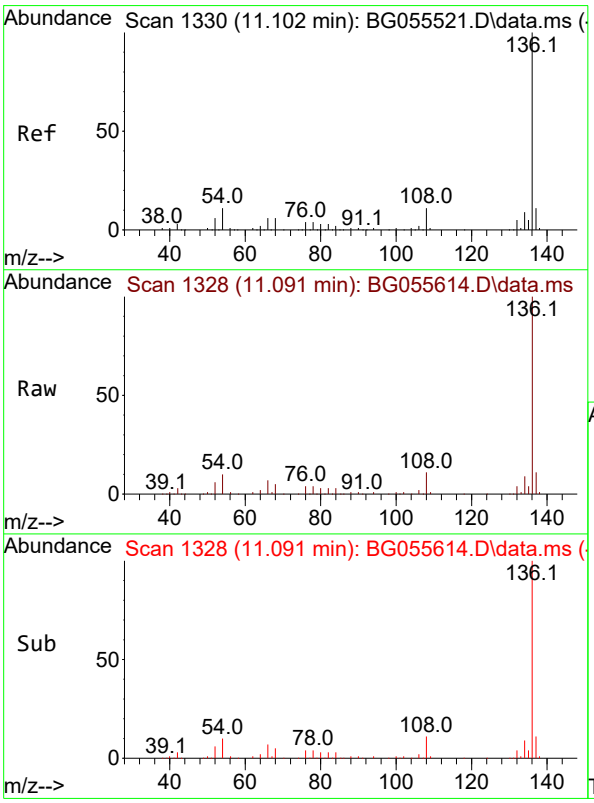
#7
Phenol-d6
Concen: 111.568 ng
RT: 7.401 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion: 99 Resp: 443788

Ion	Ratio	Lower	Upper
99	100		
42	22.7	17.5	26.3
71	37.8	28.3	42.5

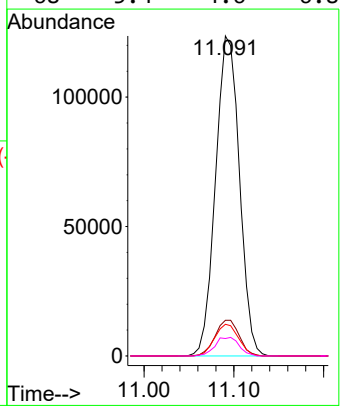


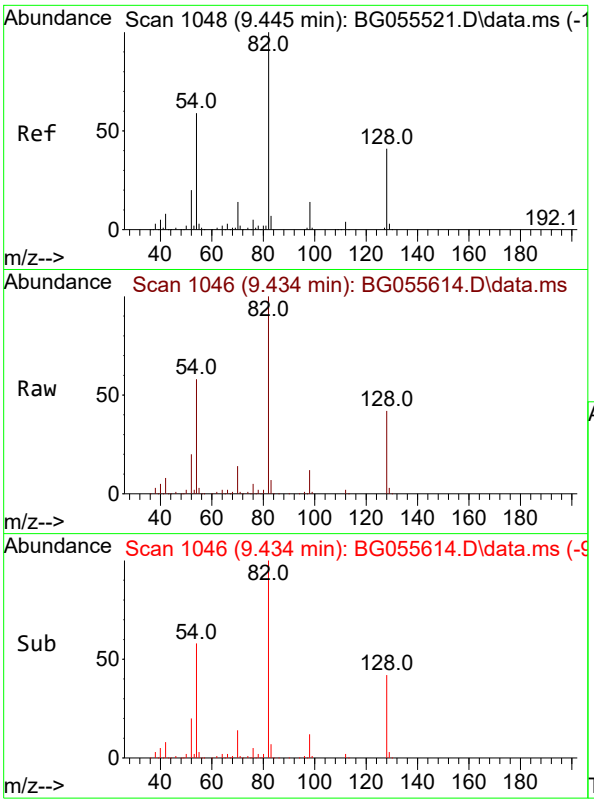


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.091 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:136 Resp: 228181

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	9.9	8.6	12.8
68	5.4	4.6	6.8



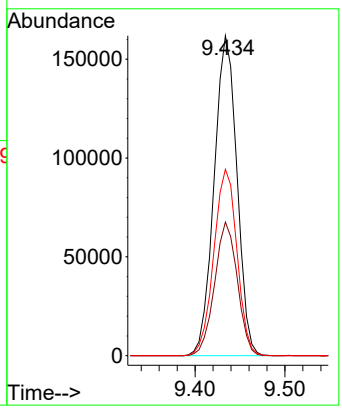


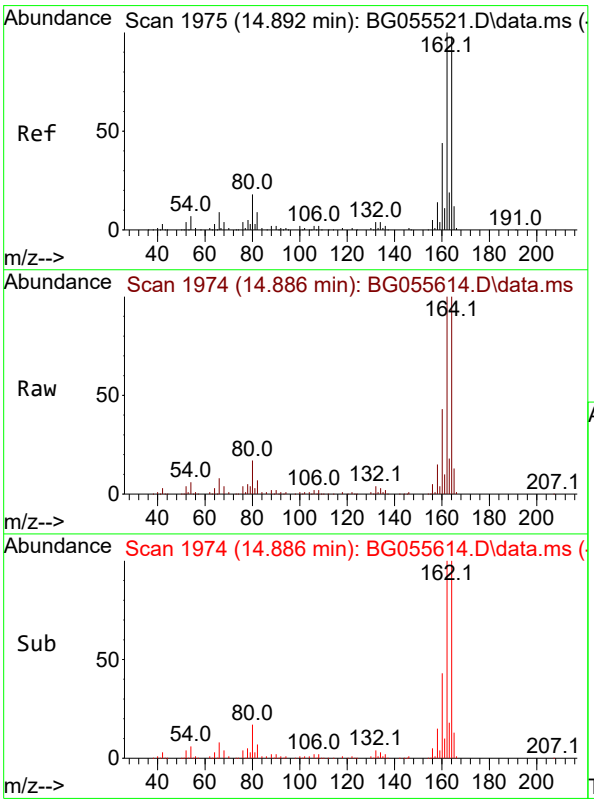
#23
Nitrobenzene-d5
Concen: 84.840 ng
RT: 9.434 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion: 82 Resp: 285564

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.6	49.0
54	58.3	47.3	70.9

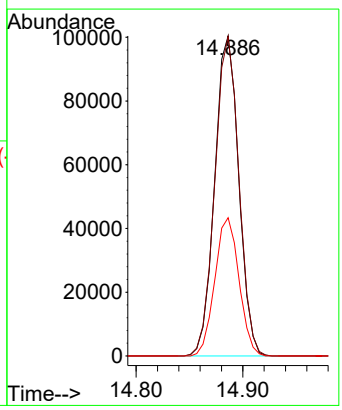


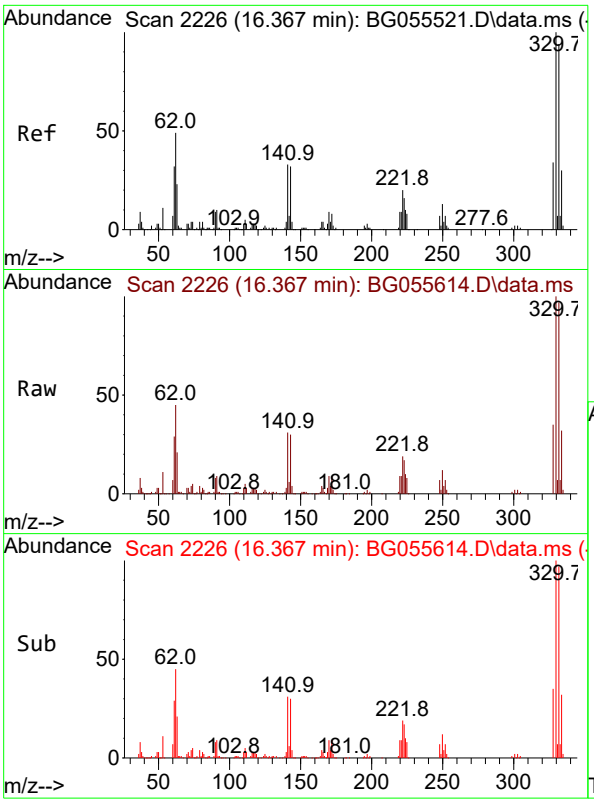


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:164 Resp: 156916

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.3	121.9
160	43.2	35.9	53.9



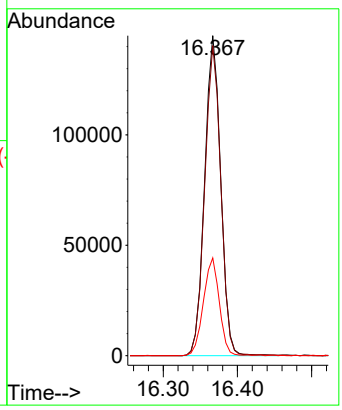


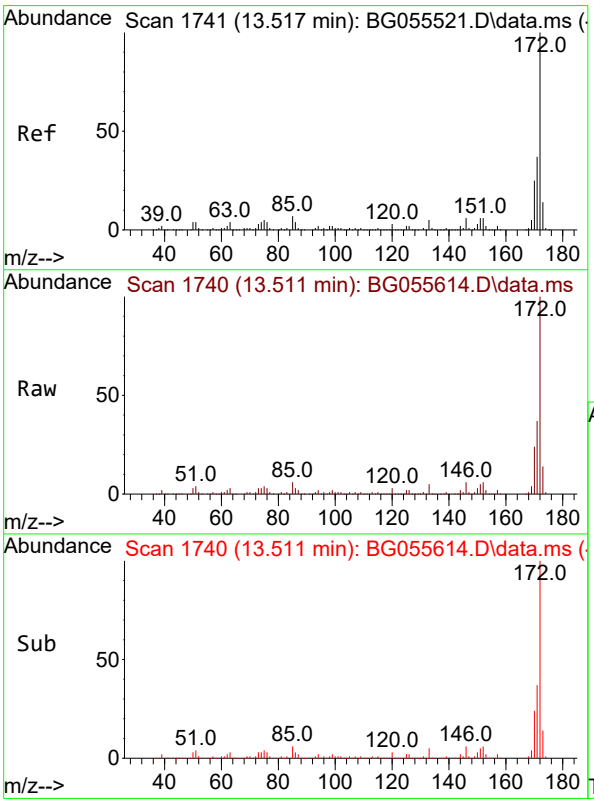
#42
2,4,6-Tribromophenol
Concen: 142.702 ng
RT: 16.367 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:330 Resp: 218482

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	30.4	25.4	38.2

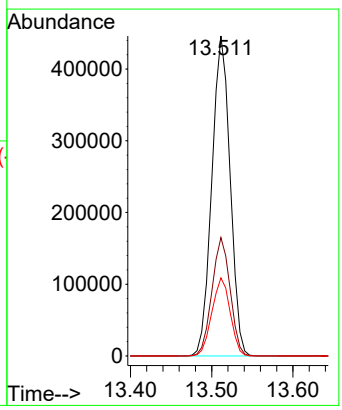


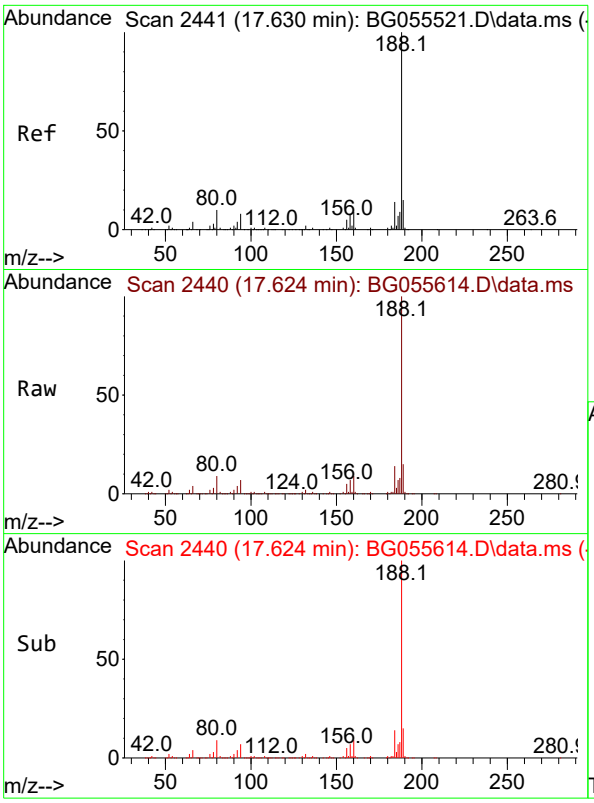


#45
2-Fluorobiphenyl
Concen: 67.016 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:172 Resp: 697157

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.4	19.8	29.6



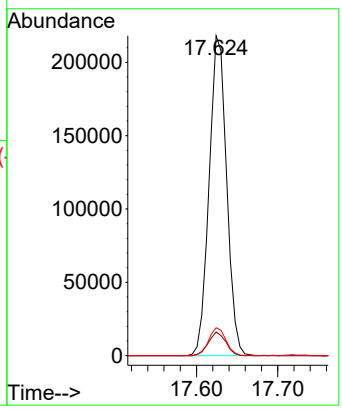


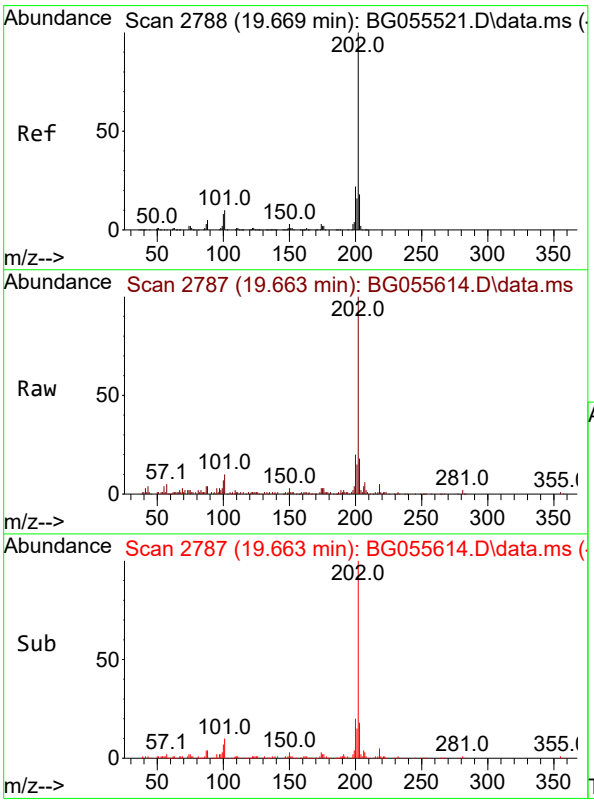
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:188 Resp: 326489

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.4	9.6
80	8.8	7.6	11.4

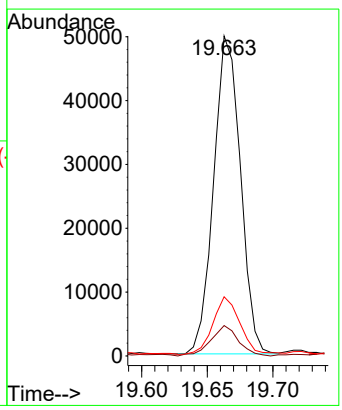


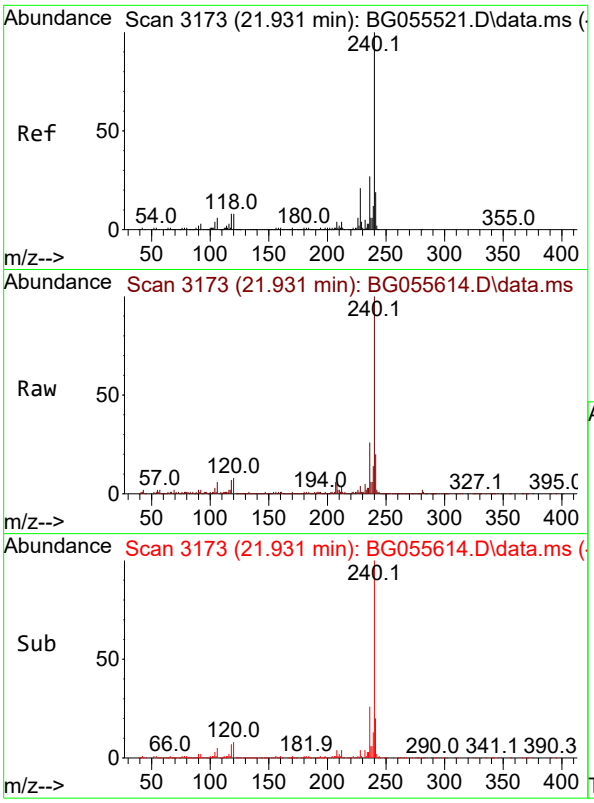


#75
Fluoranthene
Concen: 3.378 ng
RT: 19.663 min Scan# 2787
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:202 Resp: 70679

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.8
203	18.5	0.0	38.2



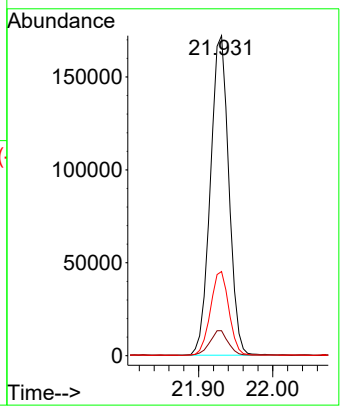


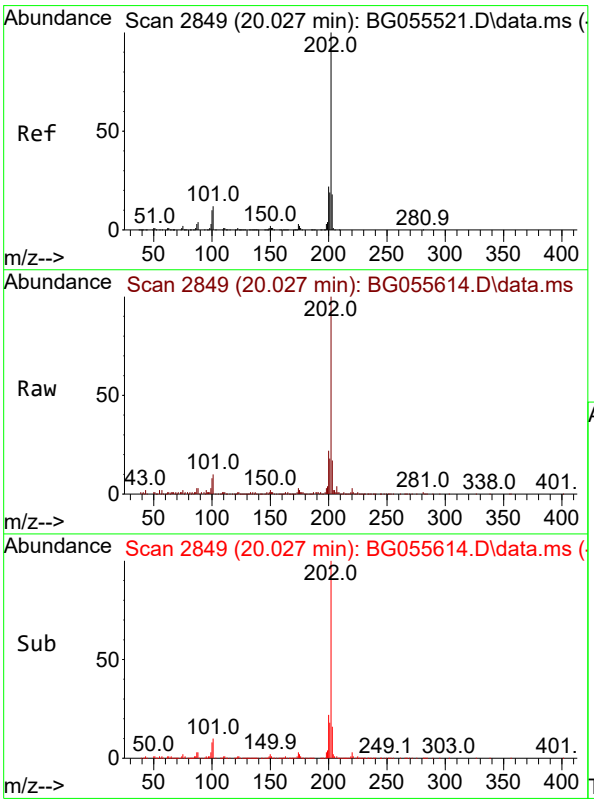
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:240 Resp: 296360

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.1	9.1
236	26.3	21.4	32.0

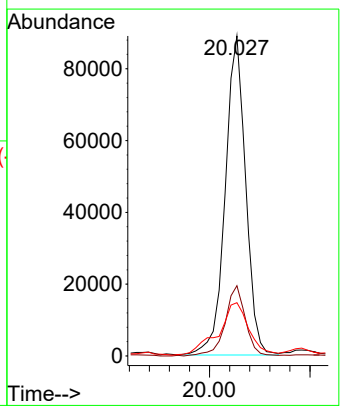


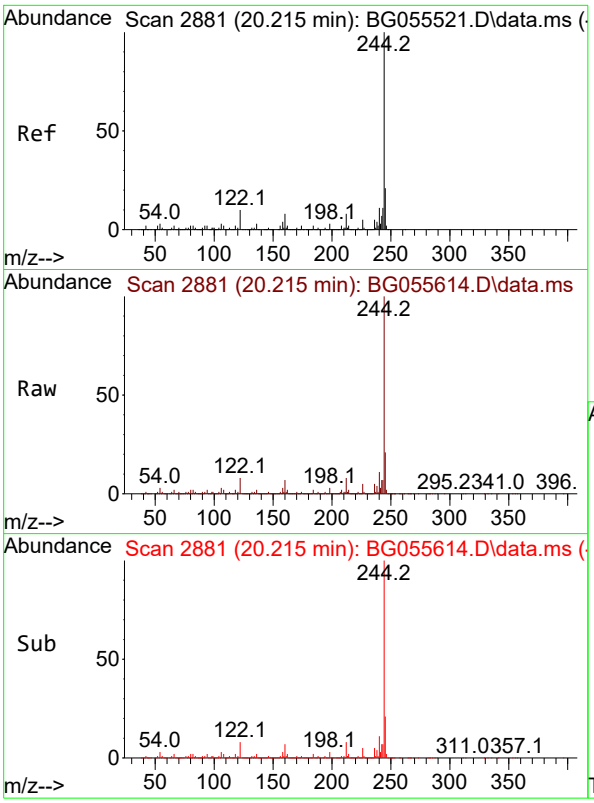


#78
Pyrene
Concen: 6.269 ng
RT: 20.027 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:202 Resp: 125743

Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.0	27.0
203	16.7	14.2	21.2



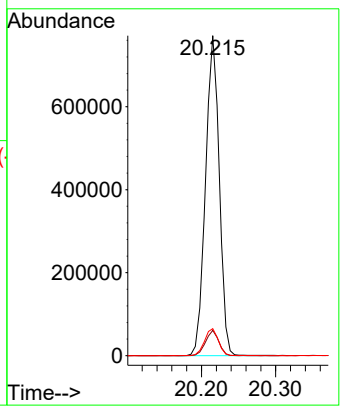


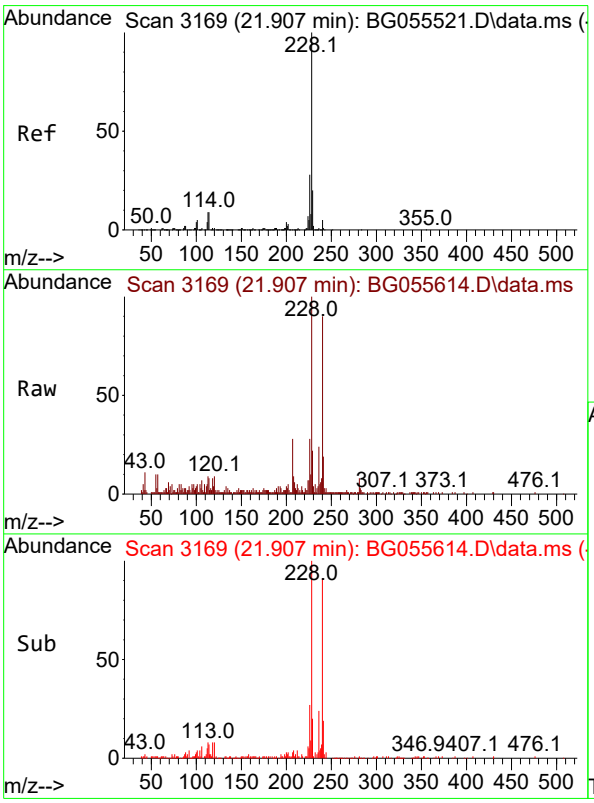
#79
Terphenyl-d14
Concen: 67.403 ng
RT: 20.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:244 Resp: 994529

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	8.5	7.7	11.5

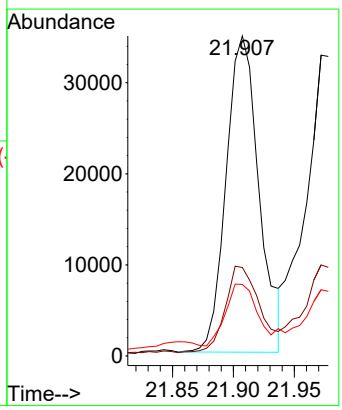


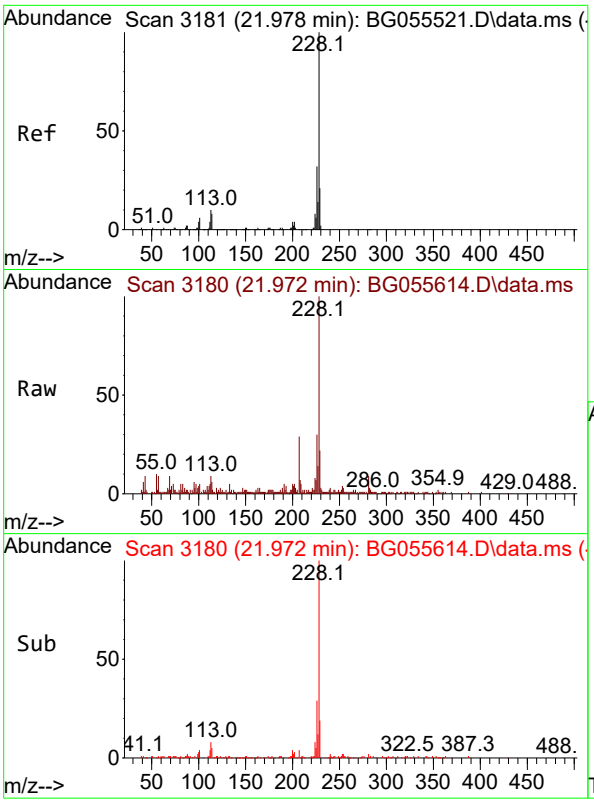


#81
Benzo(a)anthracene
Concen: 3.215 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:228 Resp: 65263

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	34.0
229	22.4	16.1	24.1



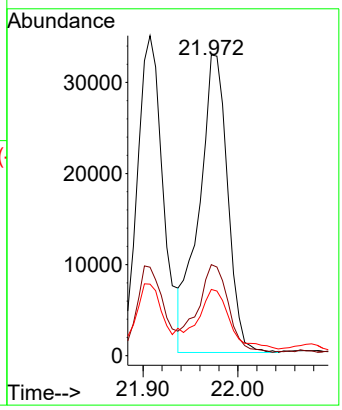


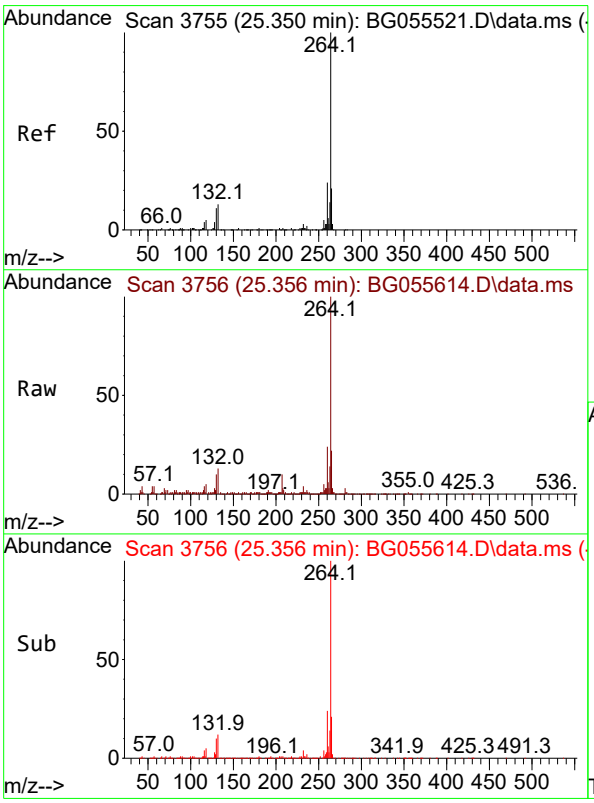
#83
Chrysene
Concen: 3.560 ng
RT: 21.972 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:228 Resp: 68710

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	22.0	16.6	25.0

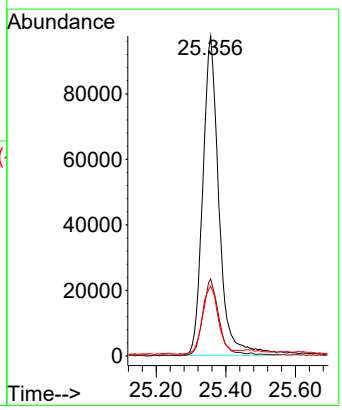


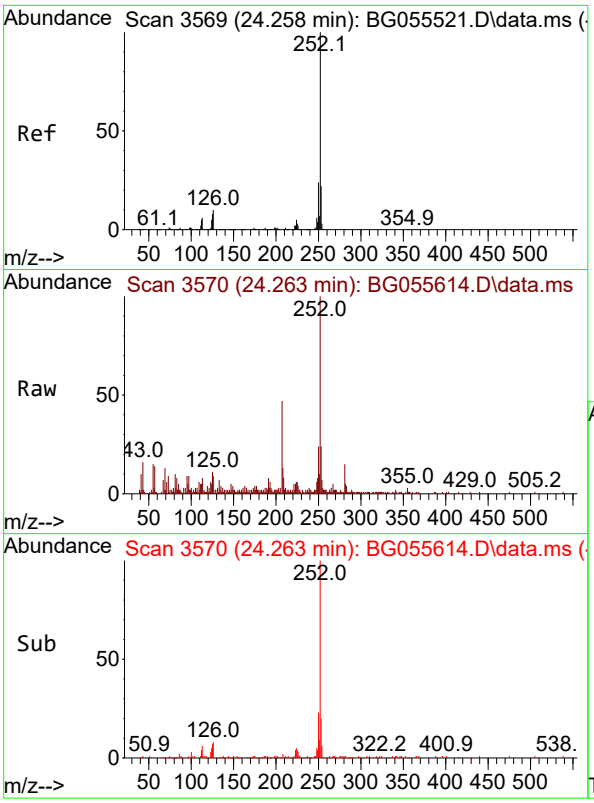


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.356 min Scan# 3756
Delta R.T. 0.006 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:264 Resp: 314539

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.8	17.1	25.7



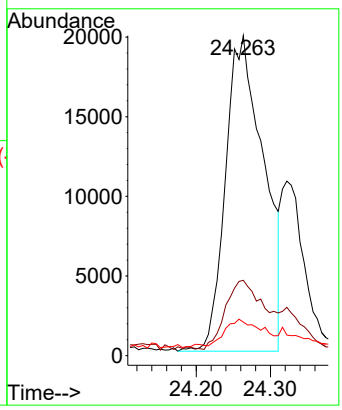


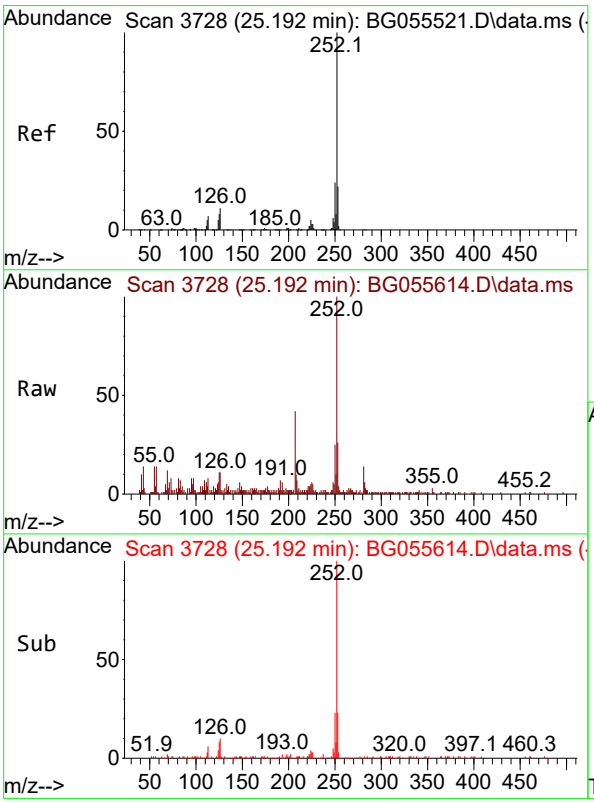
#88
Benzo(b)fluoranthene
Concen: 3.548 ng
RT: 24.263 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Instrument :
BNA_G
ClientSampleId :
SB-28A

Tgt Ion:252 Resp: 70709

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.5	6.7	10.1#





#90
Benzo(a)pyrene
Concen: 3.819 ng
RT: 25.192 min Scan# 3728
Delta R.T. -0.000 min
Lab File: BG055614.D
Acq: 14 Nov 2022 21:29

Tgt Ion:252 Resp: 65560

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	11.1	6.7	10.1#