Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022023\
Data File : BG056674.D
Acq On : 20 Feb 2023 15:20
Operator : CG/JU
Sample : 01552-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-4.0-6.0DL

Quant Time: Feb 20 16:42:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 16 01:33:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.437	152	20186	20.000	ng		0.00
21) Naphthalene-d8	11.275	136	78704	20.000	ng		0.00
39) Acenaphthene-d10	15.041	164	54708	20.000	ng		0.00
64) Phenanthrene-d10	17.773	188	122498	20.000	ng		0.00
76) Chrysene-d12	22.092	240	106561	20.000	ng		0.00
86) Perylene-d12	25.629	264	116477	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.940	112	29662	23.909	ng		0.00
7) Phenol-d6	7.556	99	43098	23.517	ng		0.00
23) Nitrobenzene-d5	9.606	82	24504	15.941	ng		0.00
42) 2,4,6-Tribromophenol	16.510	330	16324	21.794	ng		0.00
45) 2-Fluorobiphenyl	13.666	172	64937	15.894	ng		0.00
79) Terphenyl-d14	20.341	244	101465	15.579	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.322	128	11554	2.649	ng		97
49) Acenaphthylene	14.765	152	15055	2.825	ng		95
58) Fluorene	16.075	166	13407	3.054	ng		98
71) Phenanthrene	17.814	178	208069	31.220	ng		98
72) Anthracene	17.903	178	31929	4.682	ng		100
73) Carbazole	18.167	167	11853	2.016	ng		92
75) Fluoranthene	19.800	202	233773	26.584	ng		99
78) Pyrene	20.159	202	218183	27.111	ng		99
81) Benzo(a)anthracene	22.068	228	102458	12.929	ng		97
83) Chrysene	22.139	228	96994	13.093	ng		95
87) Indeno(1,2,3-cd)pyrene	29.712	276	58749	6.440	ng	#	96
88) Benzo(b)fluoranthene	24.501	252	115048	15.119	ng		96
89) Benzo(k)fluoranthene	24.571	252	34849m	4.657	ng		
90) Benzo(a)pyrene	25.464	252	86481	11.823	ng		99
91) Dibenzo(a,h)anthracene	29.771	278	18212m	2.411	ng		
92) Benzo(g,h,i)perylene	30.993	276	58641	7.943	ng		96

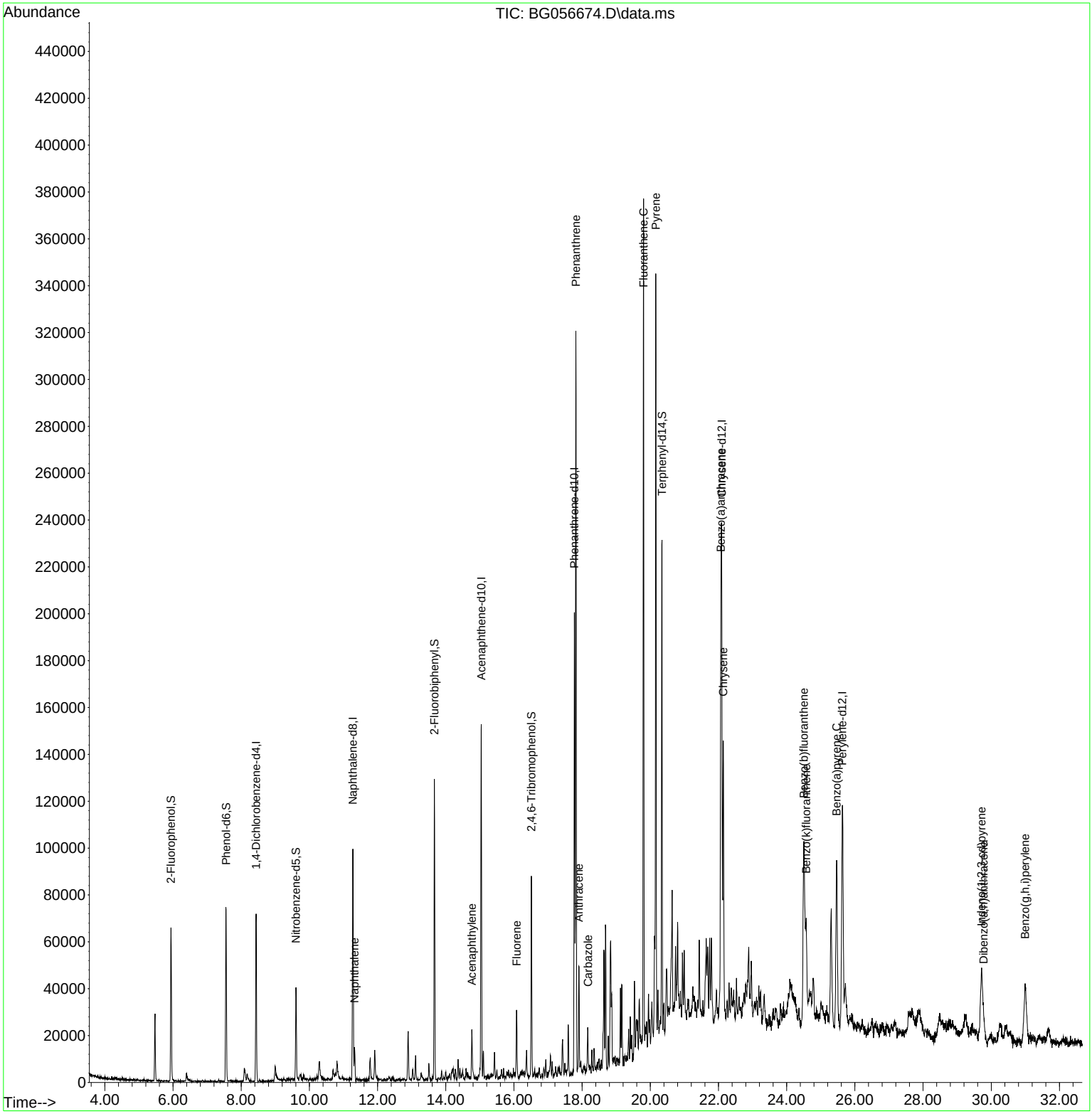
(#) = qualifier out of range (m) = manual integration (+) = signals summed

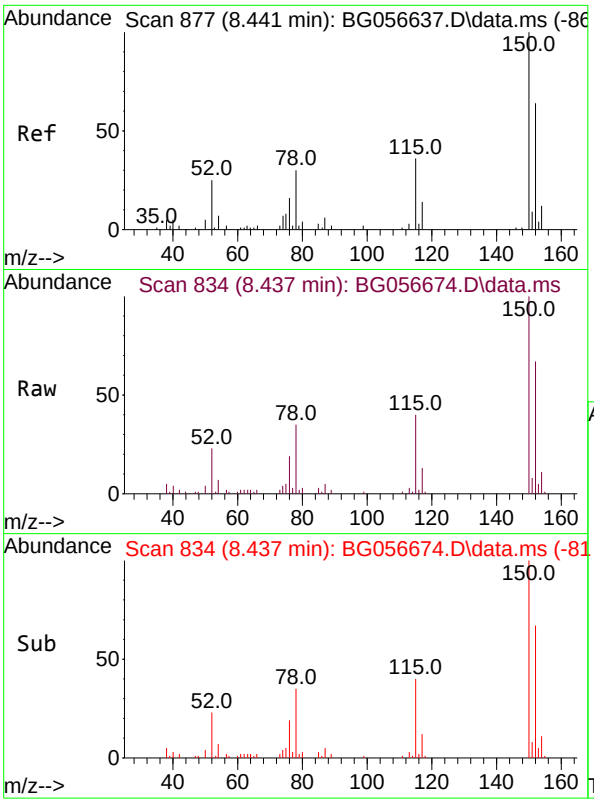
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022023\
Data File : BG056674.D
Acq On : 20 Feb 2023 15:20
Operator : CG/JU
Sample : 01552-02DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Quant Time: Feb 20 16:42:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 16 01:33:33 2023
Response via : Initial Calibration



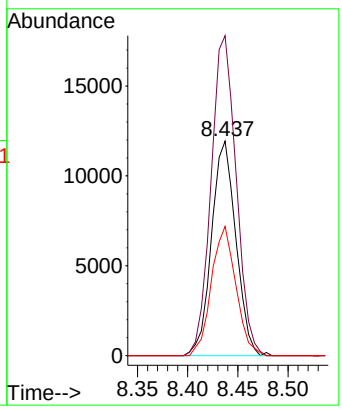


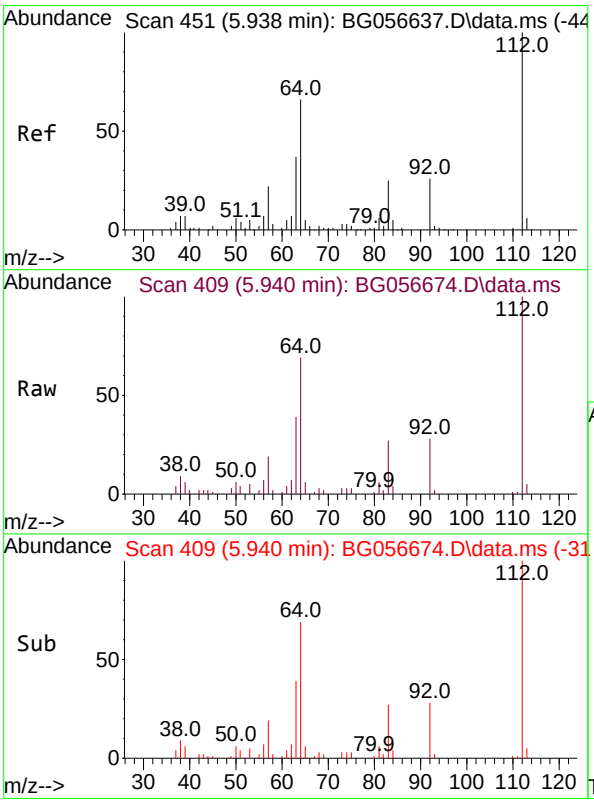
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.437 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:152 Resp: 20186

Ion	Ratio	Lower	Upper
152	100		
150	149.2	124.8	187.2
115	60.2	44.7	67.1

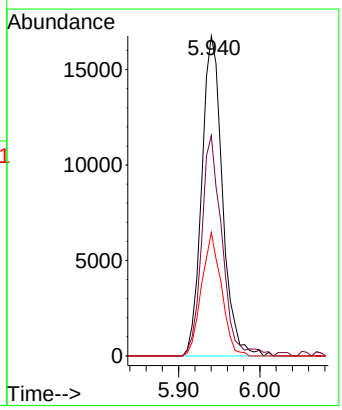


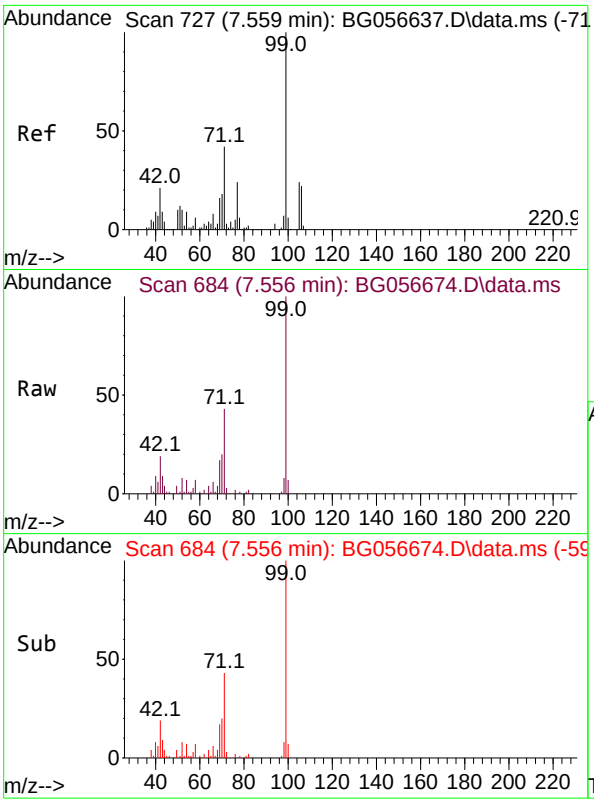


#5
2-Fluorophenol
Concen: 23.909 ng
RT: 5.940 min Scan# 409
Delta R.T. 0.002 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:112 Resp: 29662

Ion	Ratio	Lower	Upper
112	100		
64	68.8	52.6	78.8
63	38.5	29.8	44.6



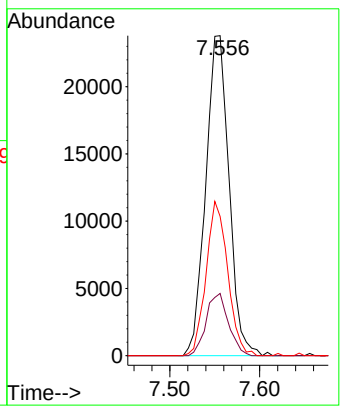


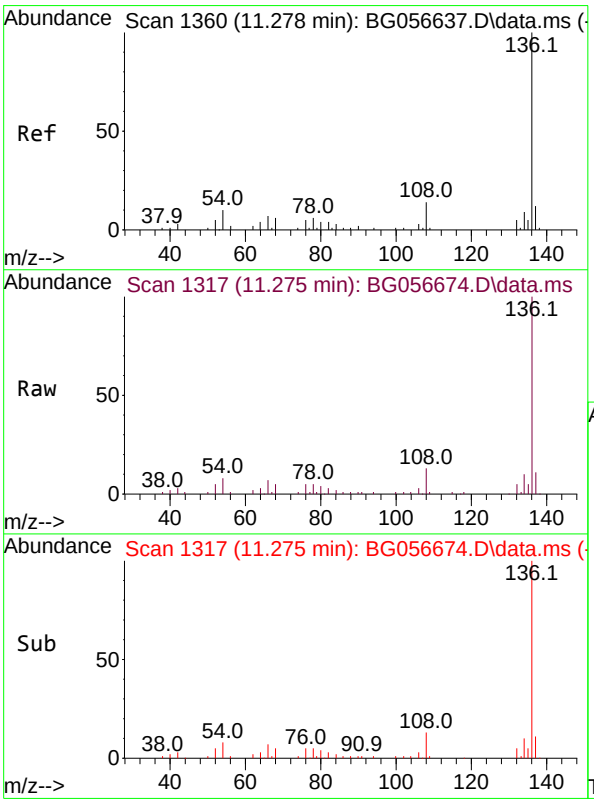
#7
Phenol-d6
Concen: 23.517 ng
RT: 7.556 min Scan# 68
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion: 99 Resp: 43098

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.8	25.2
71	43.5	33.9	50.9

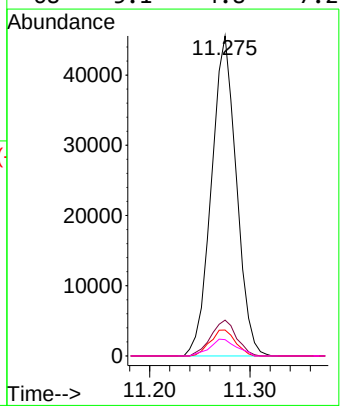


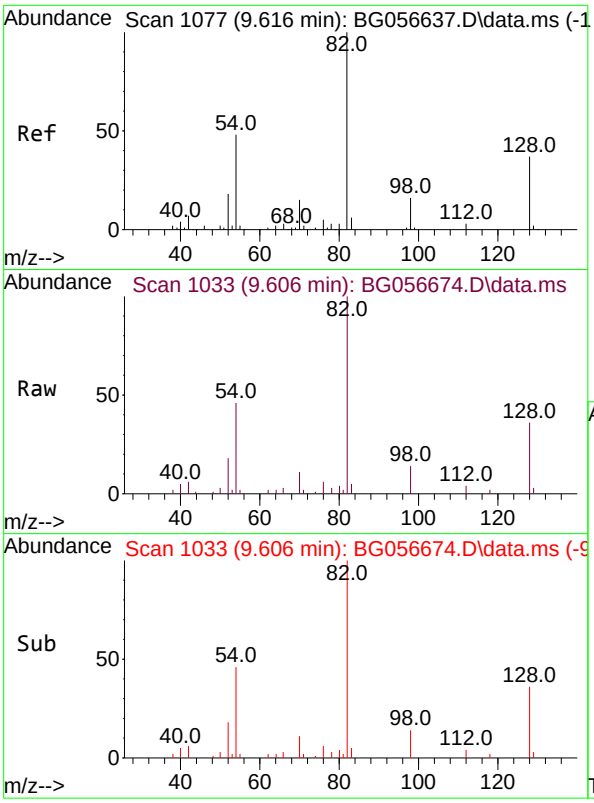


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.275 min Scan# 1317
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:136 Resp: 78704

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.7	14.5
54	8.1	7.7	11.5
68	5.1	4.8	7.2



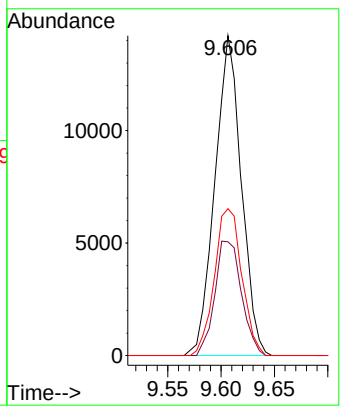


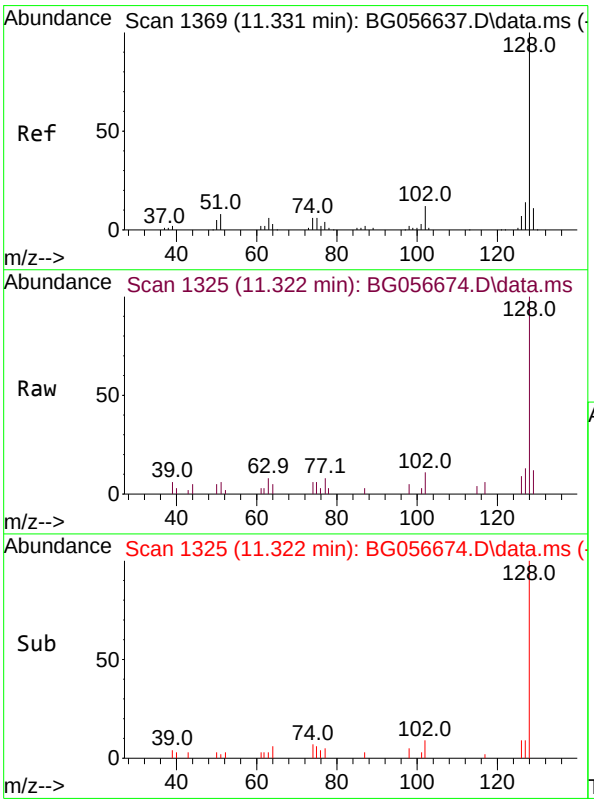
#23
Nitrobenzene-d5
Concen: 15.941 ng
RT: 9.606 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion: 82 Resp: 24504

Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.4	44.2
54	45.9	37.8	56.6

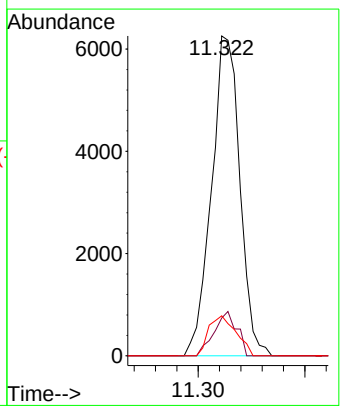


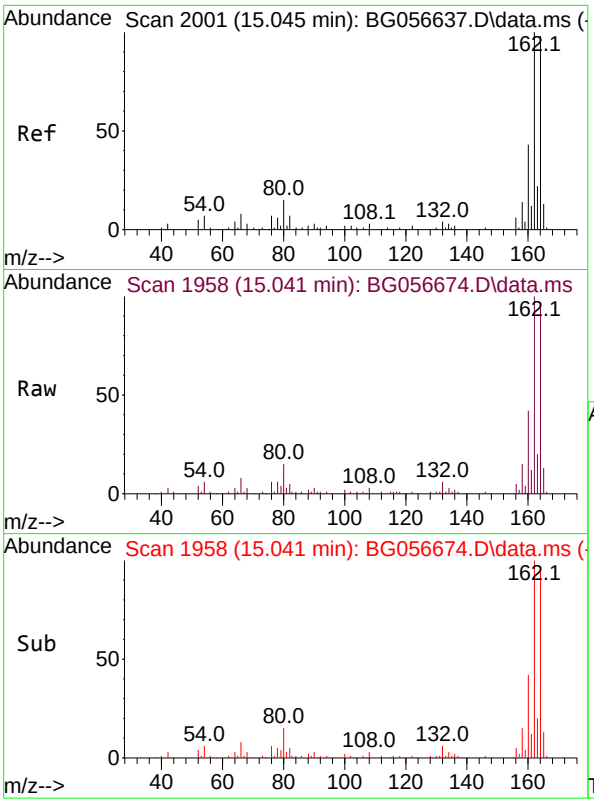


#31
Naphthalene
Concen: 2.649 ng
RT: 11.322 min Scan# 1325
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:128 Resp: 11554

Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.7	13.1
127	12.5	10.9	16.3



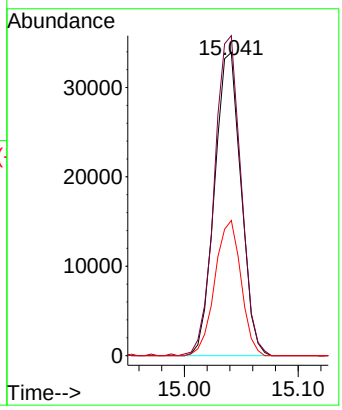


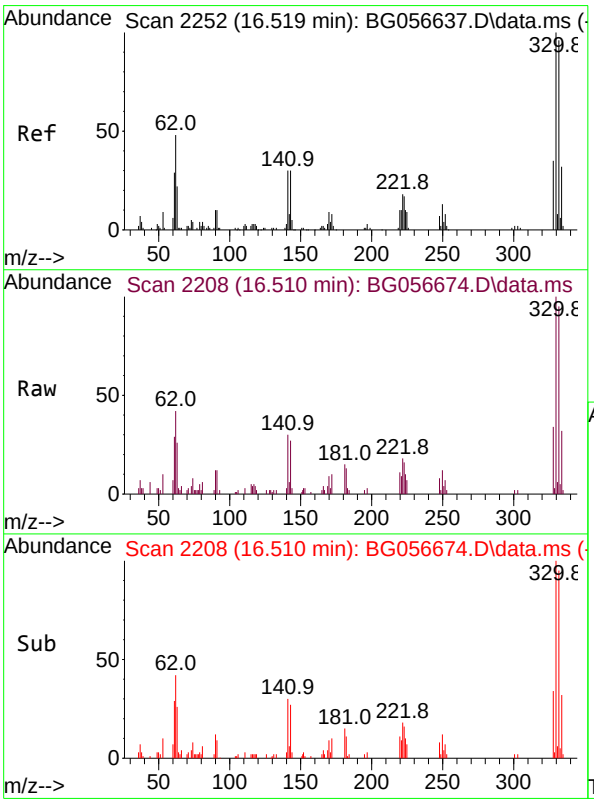
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.041 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:164 Resp: 54708

Ion	Ratio	Lower	Upper
164	100		
162	105.5	81.3	121.9
160	44.5	35.2	52.8

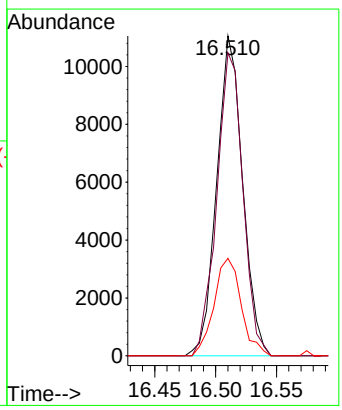


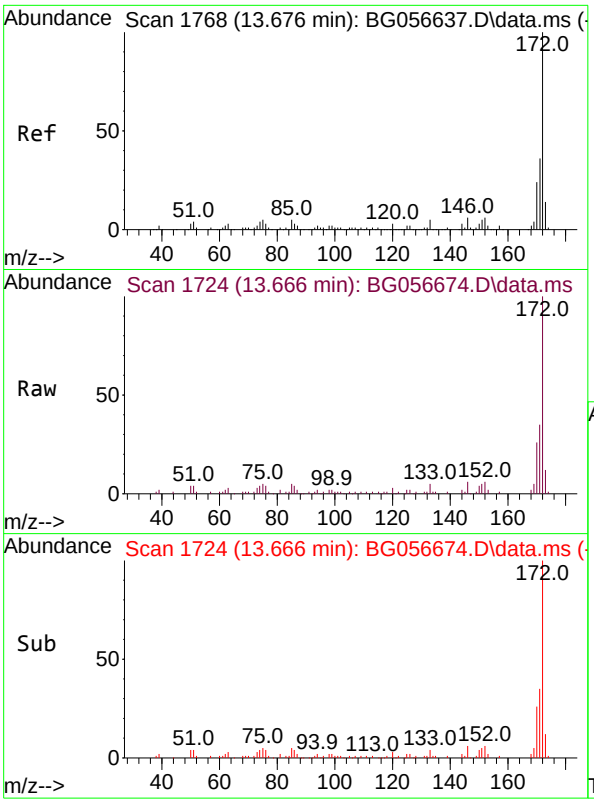


#42
2,4,6-Tribromophenol
Concen: 21.794 ng
RT: 16.510 min Scan# 2208
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:330 Resp: 16324

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.7	113.5
141	32.1	24.6	37.0



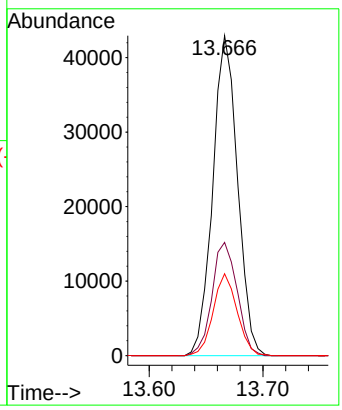


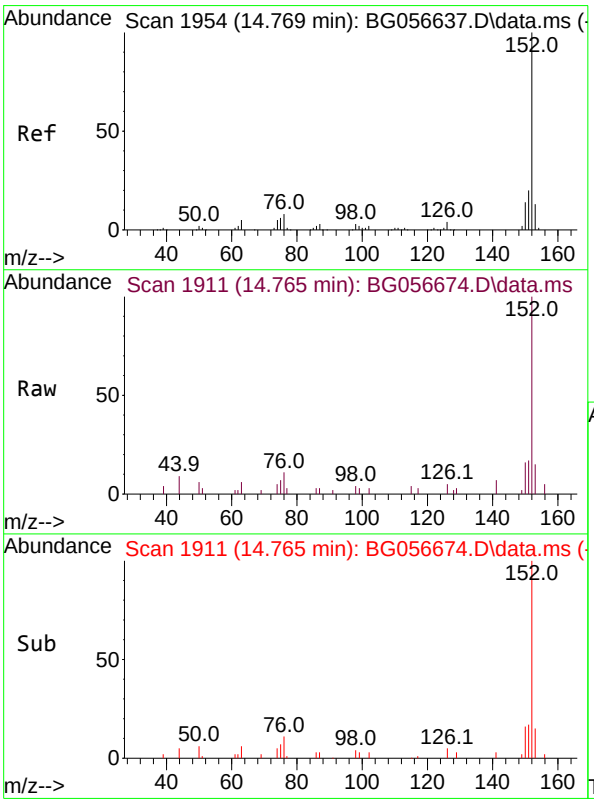
#45
2-Fluorobiphenyl
Concen: 15.894 ng
RT: 13.666 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:172 Resp: 64937

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	25.6	19.4	29.0

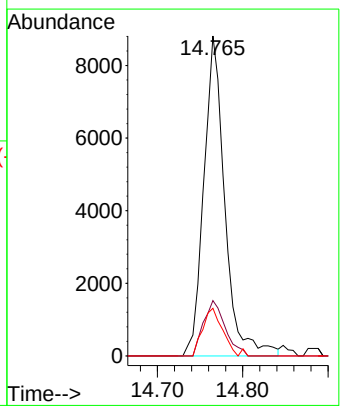


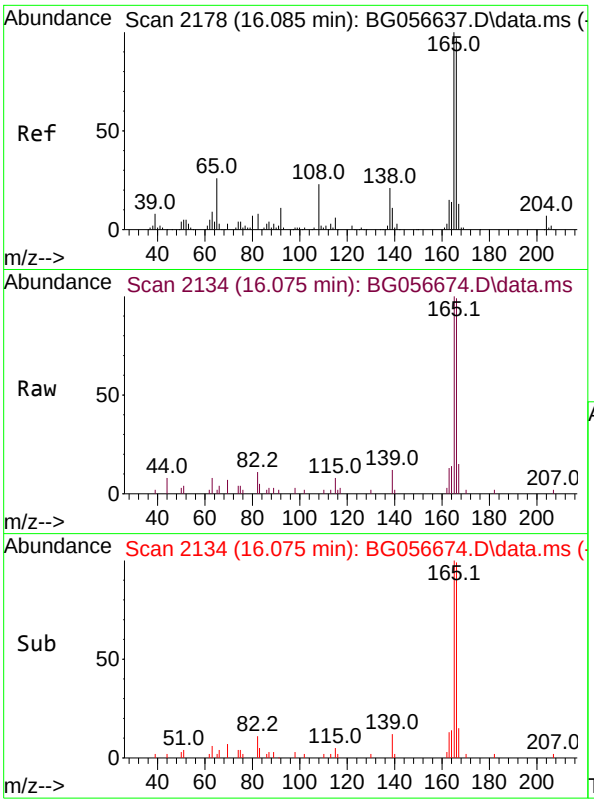


#49
Acenaphthylene
Concen: 2.825 ng
RT: 14.765 min Scan# 1911
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:152 Resp: 15055

Ion	Ratio	Lower	Upper
152	100		
151	17.3	15.6	23.4
153	14.9	10.3	15.5



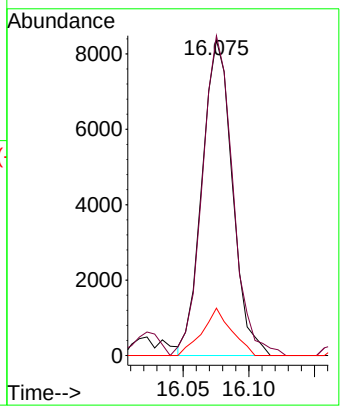


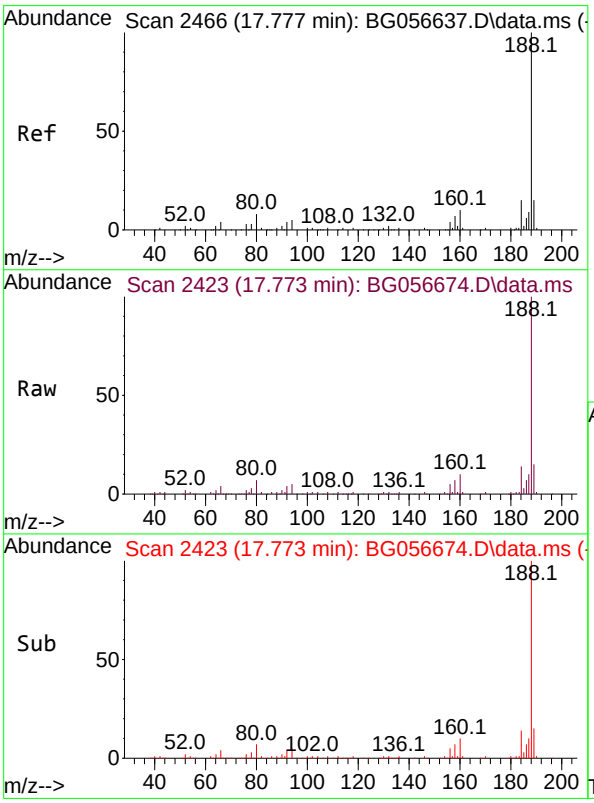
#58
Fluorene
Concen: 3.054 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:166 Resp: 13407

Ion	Ratio	Lower	Upper
166	100		
165	101.4	82.9	124.3
167	15.0	11.1	16.7

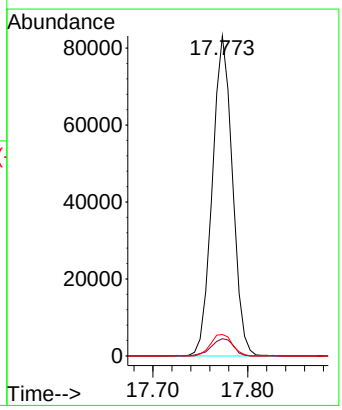


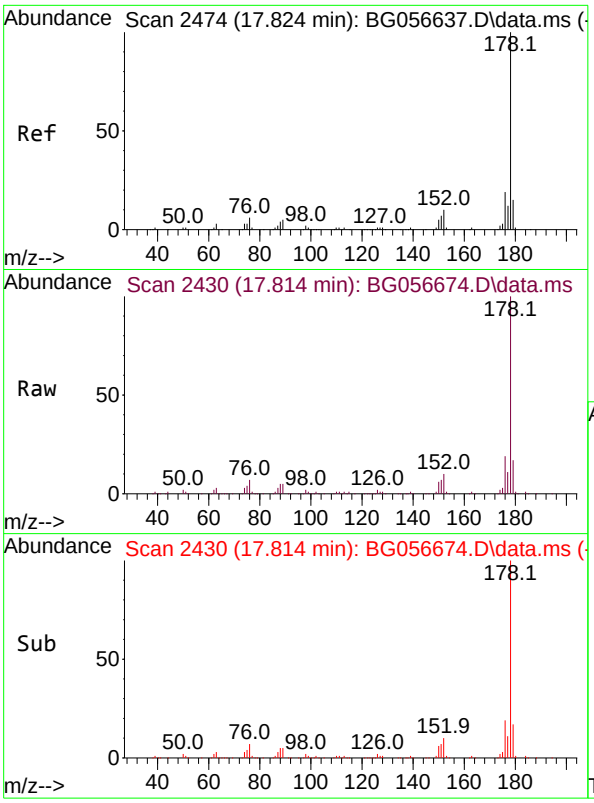


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.773 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:188 Resp: 122498

Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.0	6.0
80	6.7	6.3	9.5



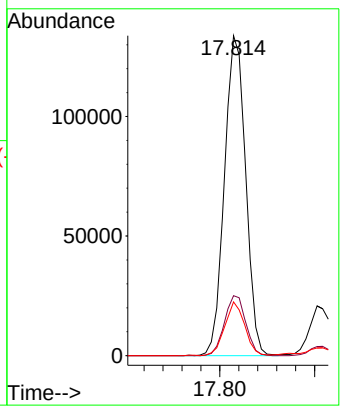


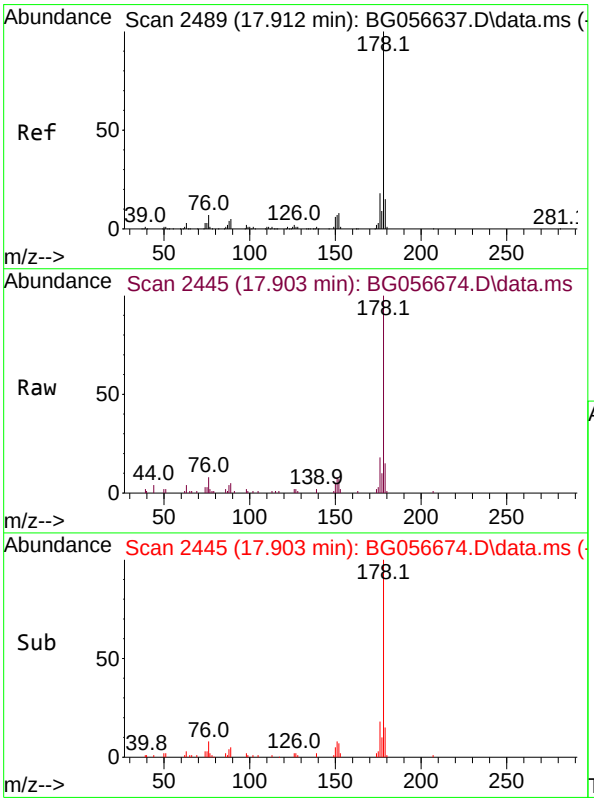
#71
Phenanthrene
Concen: 31.220 ng
RT: 17.814 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:178 Resp: 208069

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.8	12.2	18.4

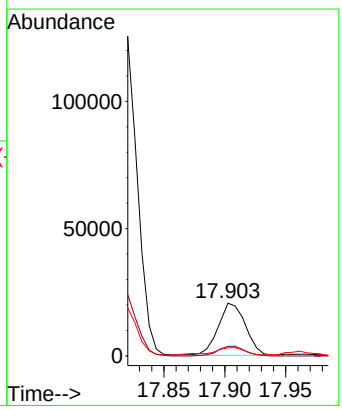


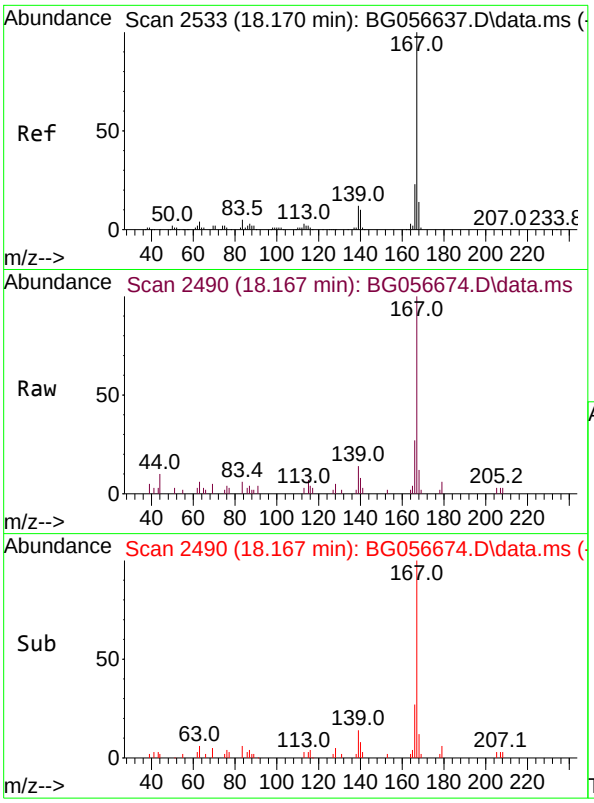


#72
Anthracene
Concen: 4.682 ng
RT: 17.903 min Scan# 2445
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:178 Resp: 31929

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.3	21.5
179	15.3	12.2	18.4



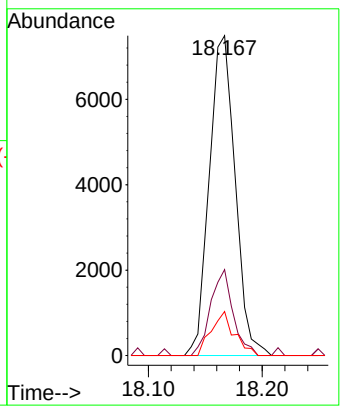


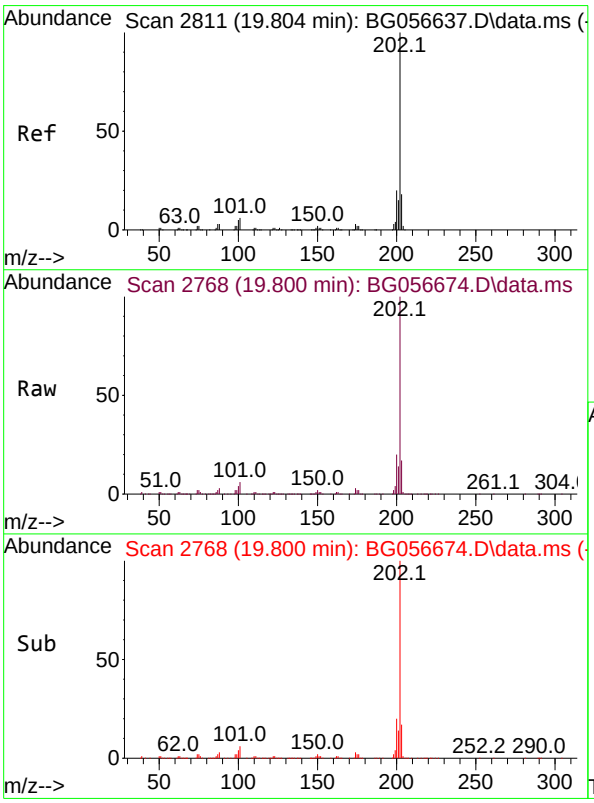
#73
Carbazole
Concen: 2.016 ng
RT: 18.167 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:167 Resp: 11853

Ion	Ratio	Lower	Upper
167	100		
166	26.9	18.1	27.1
139	13.8	9.4	14.0

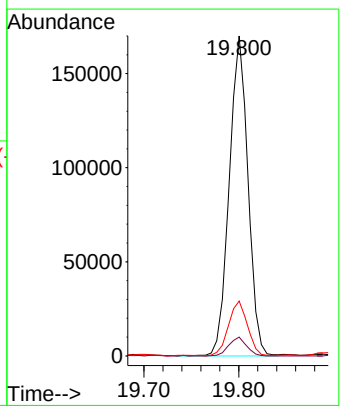


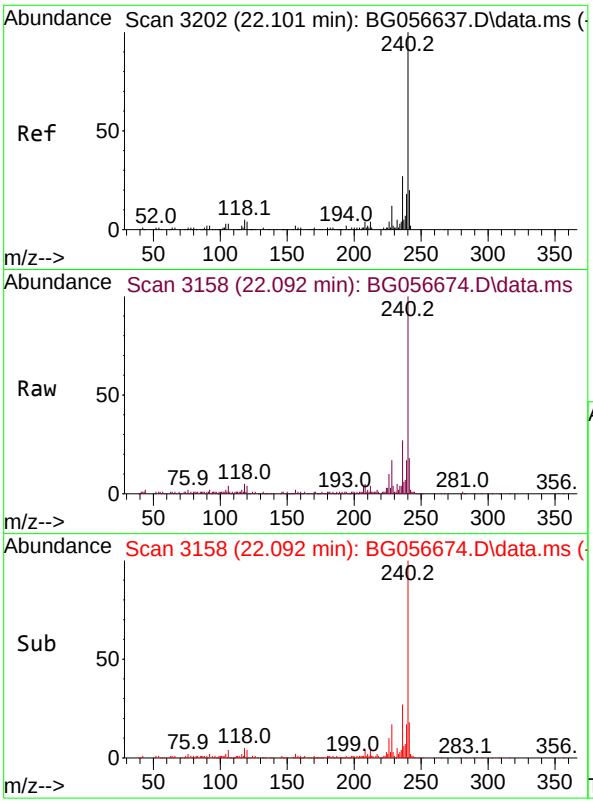


#75
Fluoranthene
Concen: 26.584 ng
RT: 19.800 min Scan# 2768
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:202 Resp: 233773

Ion	Ratio	Lower	Upper
202	100		
101	5.9	0.0	25.8
203	17.1	0.0	37.6



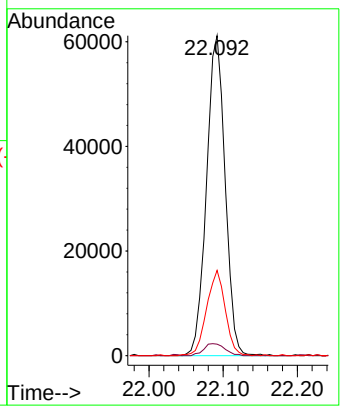


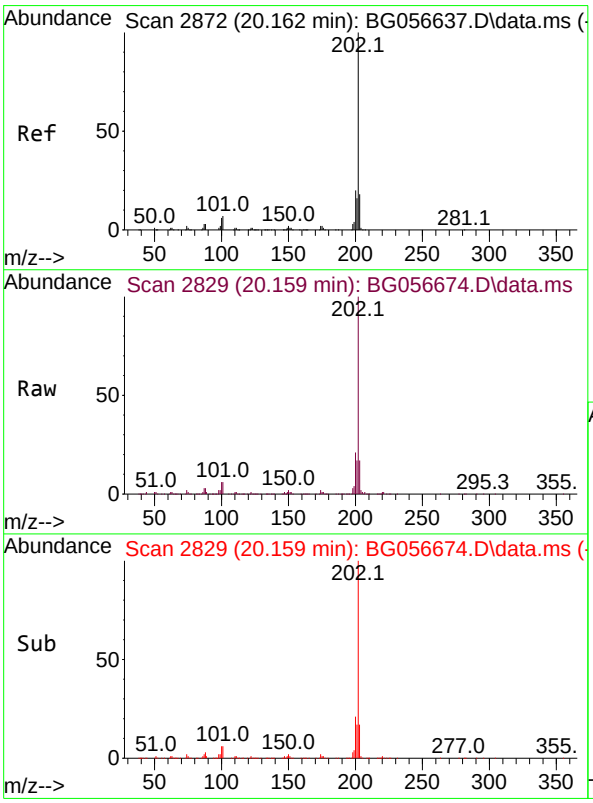
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.092 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:240 Resp: 106561

Ion	Ratio	Lower	Upper
240	100		
120	3.6	3.5	5.3
236	26.6	21.5	32.3

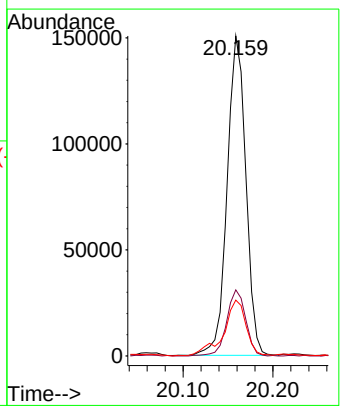


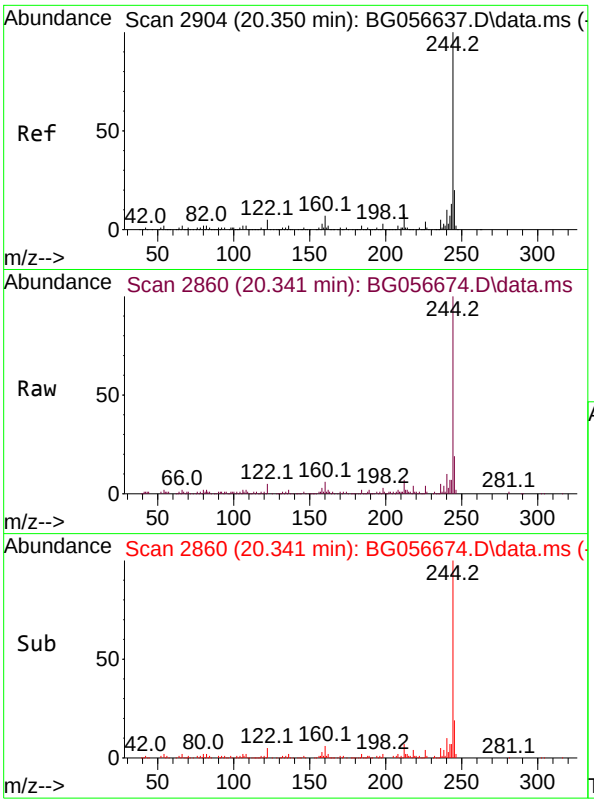


#78
Pyrene
Concen: 27.111 ng
RT: 20.159 min Scan# 2829
Delta R.T. -0.003 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:202 Resp: 218183

Ion	Ratio	Lower	Upper
202	100		
200	20.6	15.8	23.8
203	17.4	14.2	21.4



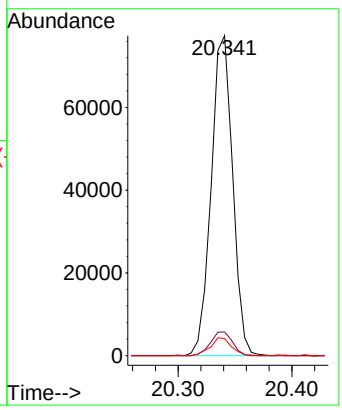


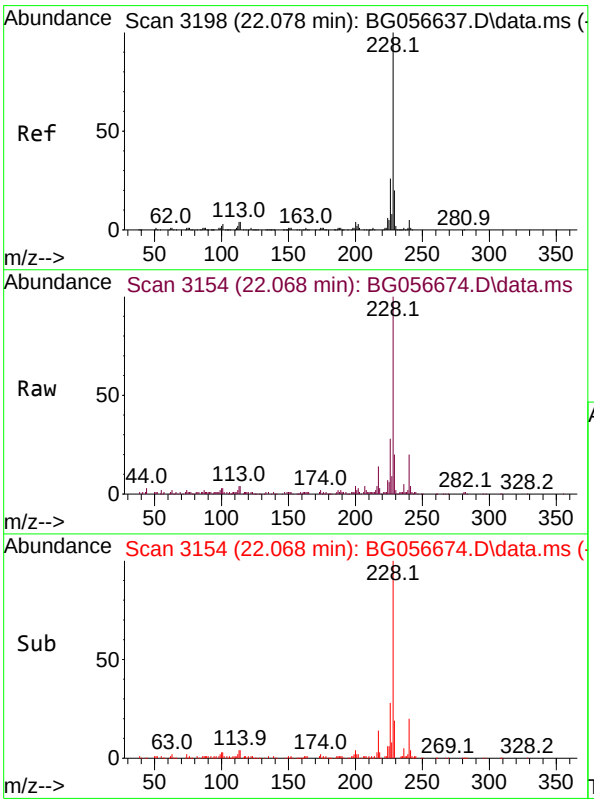
#79
Terphenyl-d14
Concen: 15.579 ng
RT: 20.341 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:244 Resp: 101465

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	5.3	3.8	5.8

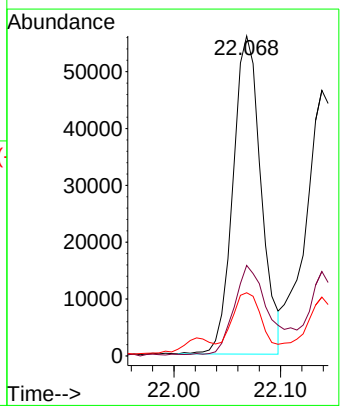


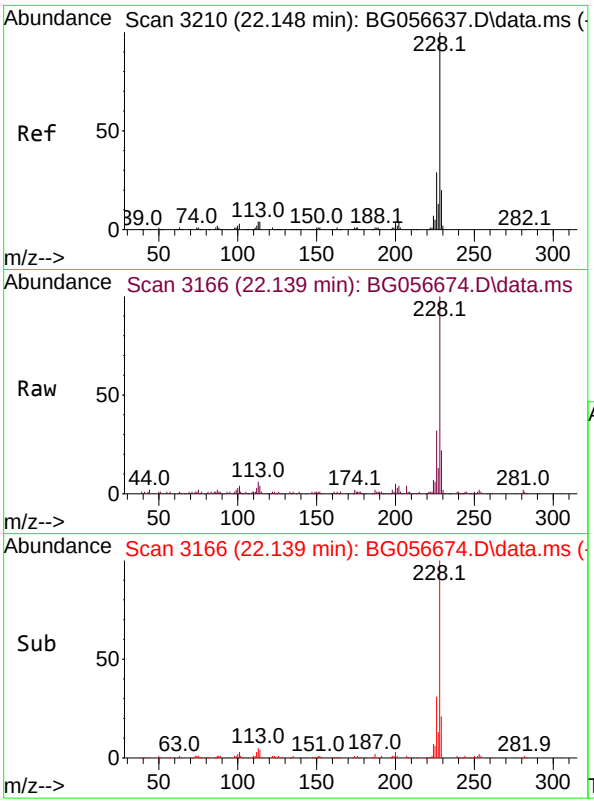


#81
Benzo(a)anthracene
Concen: 12.929 ng
RT: 22.068 min Scan# 3154
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:228 Resp: 102458

Ion	Ratio	Lower	Upper
228	100		
226	28.3	20.4	30.6
229	19.7	16.0	24.0



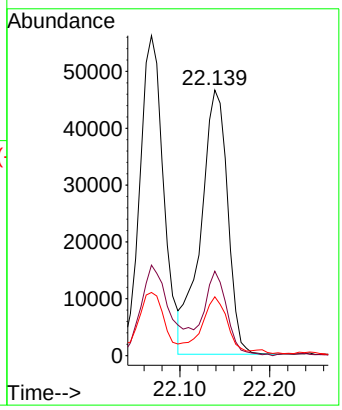


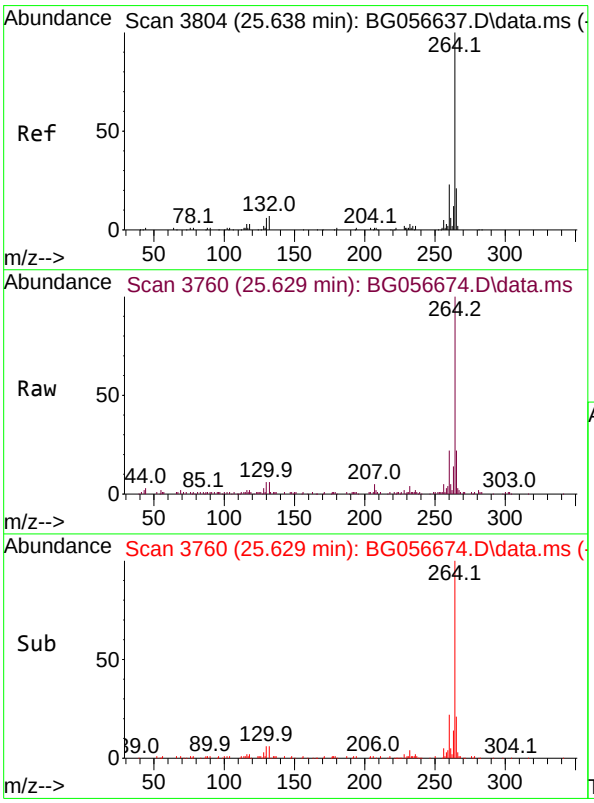
#83
Chrysene
Concen: 13.093 ng
RT: 22.139 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:228 Resp: 96994

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.0	34.6
229	22.2	15.8	23.8

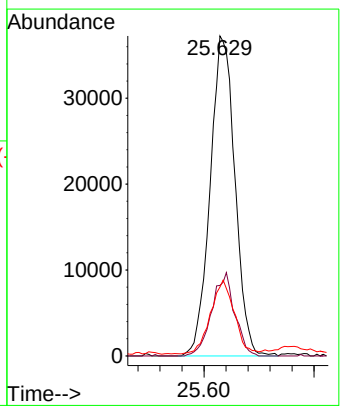


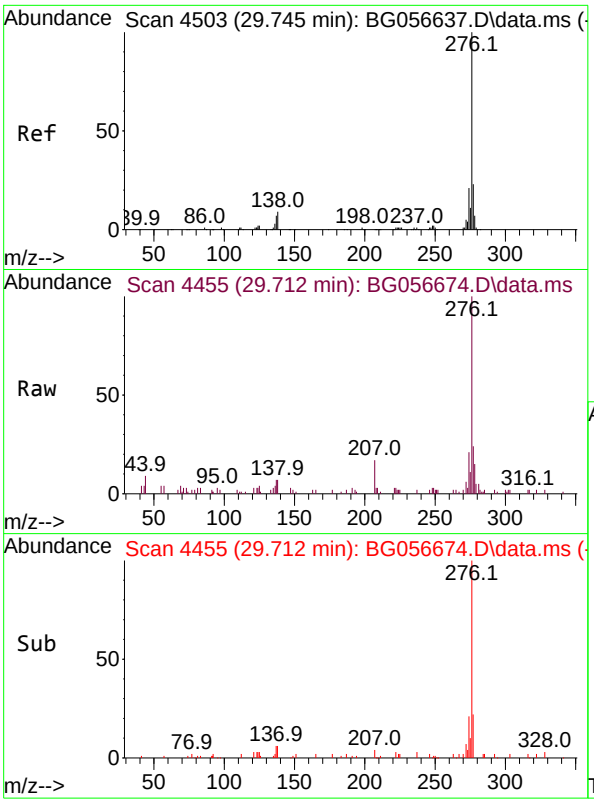


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.629 min Scan# 3760
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:264 Resp: 116477

Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.6	27.8
265	21.5	17.0	25.4



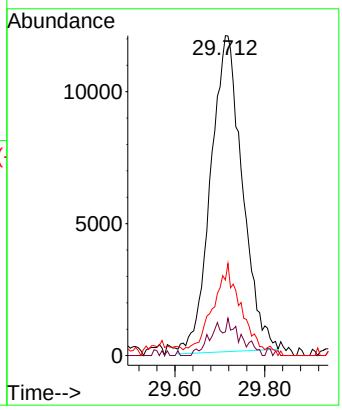


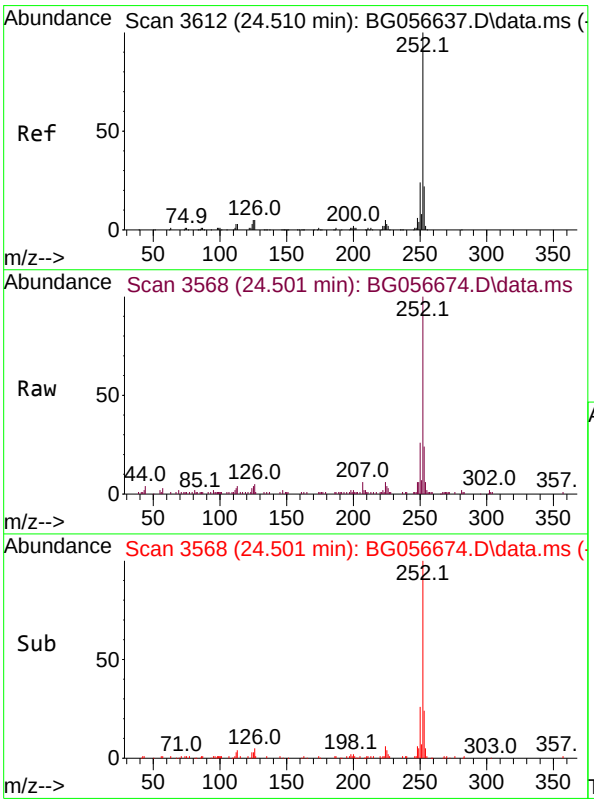
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.440 ng
RT: 29.712 min Scan# 44
Delta R.T. -0.033 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:276 Resp: 58749

Ion	Ratio	Lower	Upper
276	100		
138	3.1	3.8	5.8#
277	23.6	20.3	30.5

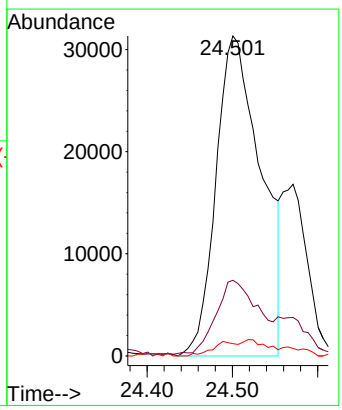


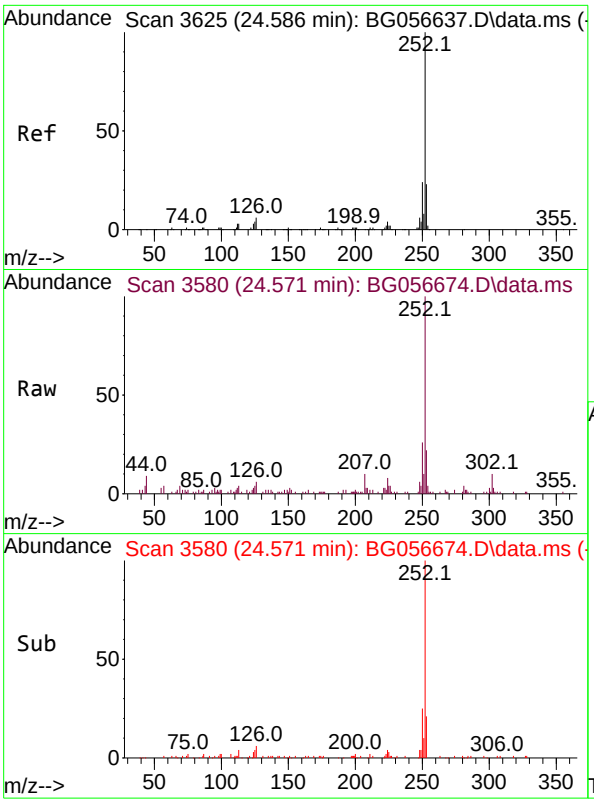


#88
Benzo(b)fluoranthene
Concen: 15.119 ng
RT: 24.501 min Scan# 3568
Delta R.T. -0.009 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:252 Resp: 115048

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	3.8	3.7	5.5



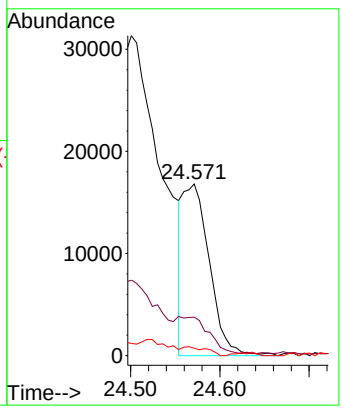


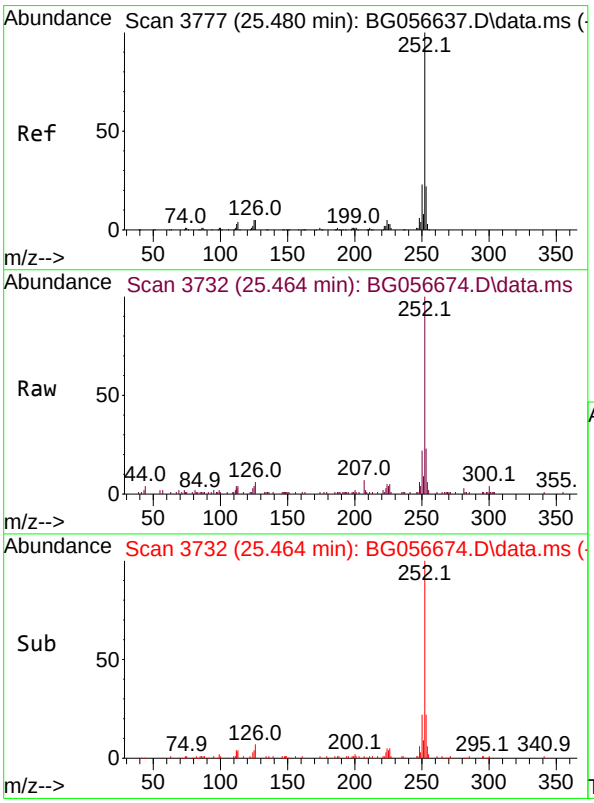
#89
Benzo(k)fluoranthene
Concen: 4.657 ng m
RT: 24.571 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:252 Resp: 34849

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	4.3	3.4	5.0

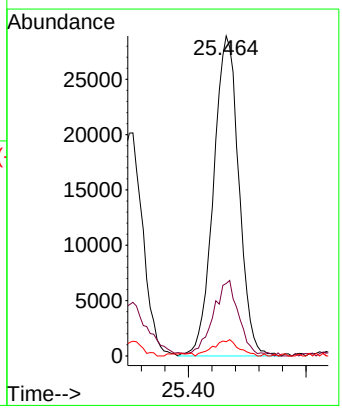


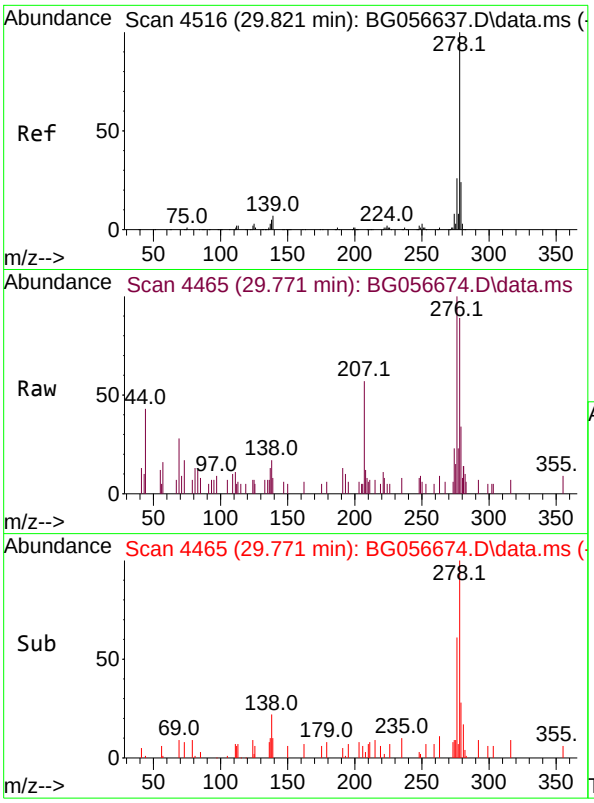


#90
Benzo(a)pyrene
Concen: 11.823 ng
RT: 25.464 min Scan# 3732
Delta R.T. -0.015 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:252 Resp: 86481

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	4.4	4.0	6.0



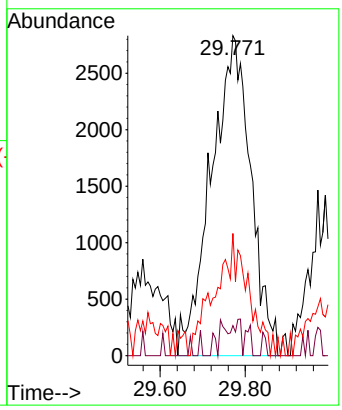


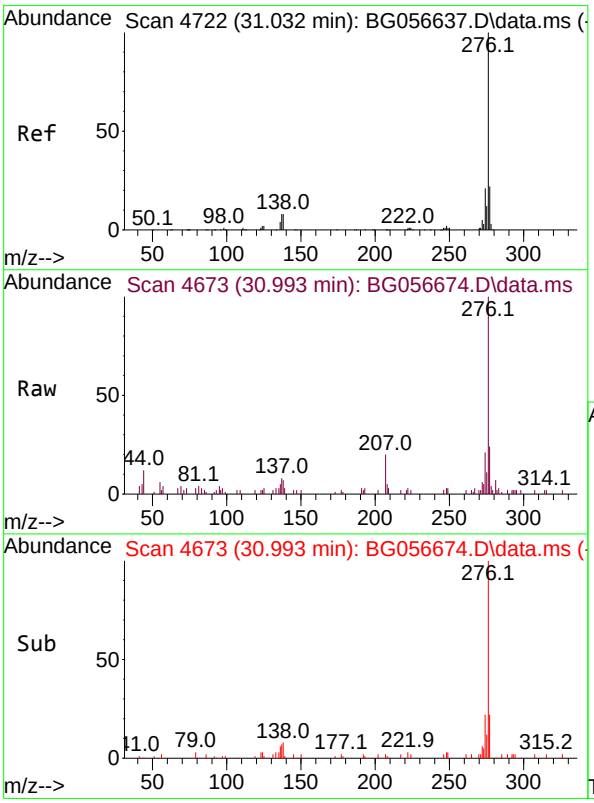
#91
Dibenzo(a,h)anthracene
Concen: 2.411 ng m
RT: 29.771 min Scan# 44
Delta R.T. -0.050 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion:278 Resp: 18212

Ion	Ratio	Lower	Upper
278	100		
139	9.4	5.8	8.8#
279	38.2	19.6	29.4#





#92
Benzo(g,h,i)perylene
Concen: 7.943 ng
RT: 30.993 min Scan# 4673
Delta R.T. -0.039 min
Lab File: BG056674.D
Acq: 20 Feb 2023 15:20

Tgt Ion:276 Resp: 58641

Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.5	26.3
138	7.5	6.4	9.6