Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056016.D
Acq On : 19 Dec 2022 16:46
Operator : CG/JU
Sample : N6037-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Quant Time: Dec 20 01:06:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 01:01:12 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.370	152	10663	20.000	ng		0.00
21) Naphthalene-d8	11.202	136	38750	20.000	ng	#	0.00
39) Acenaphthene-d10	14.974	164	33198	20.000	ng		0.00
64) Phenanthrene-d10	17.712	188	89292	20.000	ng		0.00
76) Chrysene-d12	22.019	240	91778	20.000	ng		-0.01
86) Perylene-d12	25.509	264	110083	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.885	112	48403	106.456	ng		0.00
7) Phenol-d6	7.495	99	58219	99.557	ng		0.00
23) Nitrobenzene-d5	9.539	82	39711	71.615	ng		0.00
42) 2,4,6-Tribromophenol	16.449	330	87432	109.221	ng		-0.01
45) 2-Fluorobiphenyl	13.605	172	139172	58.795	ng		0.00
79) Terphenyl-d14	20.286	244	318071	61.252	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.753	178	15662	3.347	ng		98
75) Fluoranthene	19.739	202	33898	5.173	ng		98
78) Pyrene	20.098	202	39775	7.162	ng		98
81) Benzo(a)anthracene	21.995	228	22978	3.558	ng		97
83) Chrysene	22.066	228	22409	3.702	ng		96
88) Benzo(b)fluoranthene	24.387	252	30513	4.283	ng	#	93
90) Benzo(a)pyrene	25.338	252	22817	3.789	ng	#	94

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

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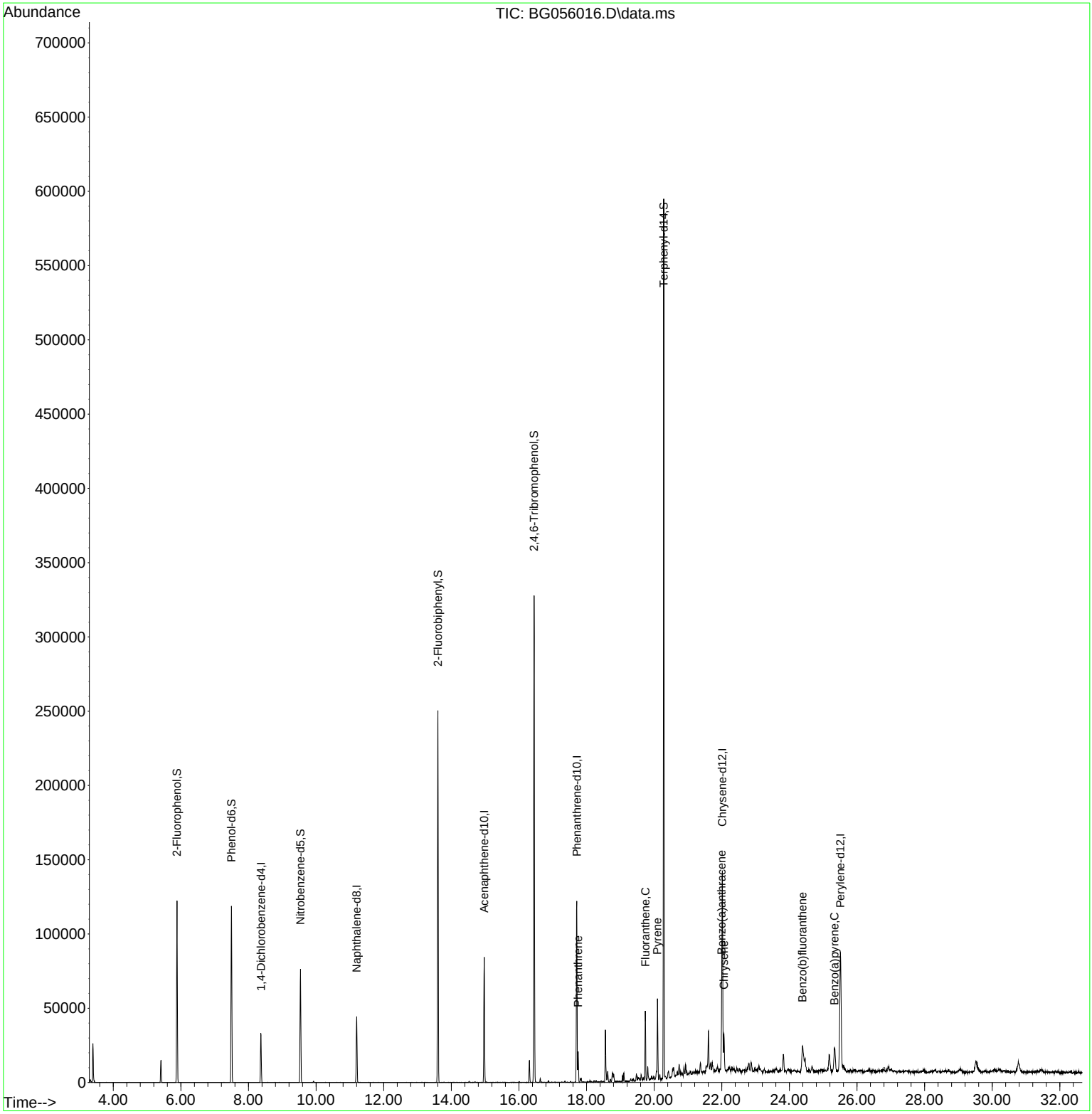
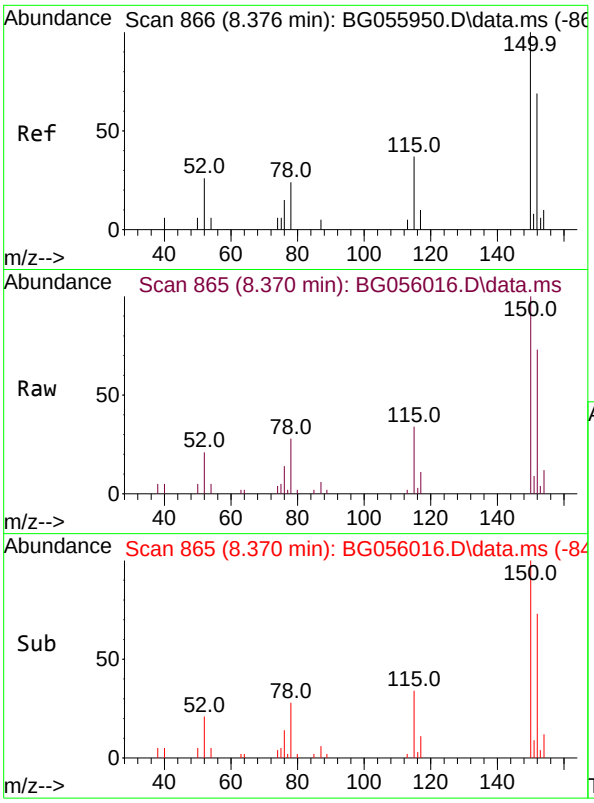


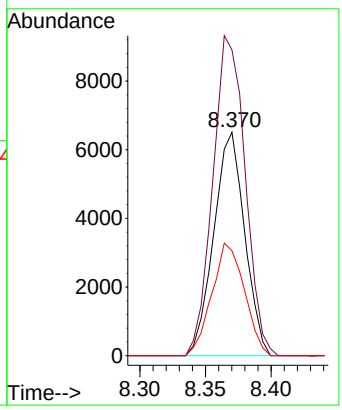


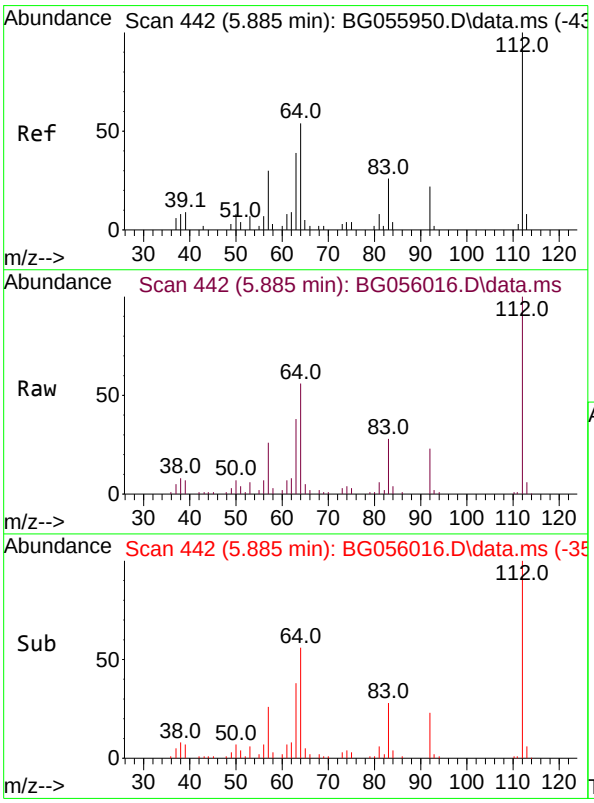
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.370 min Scan# 8
Delta R.T. 0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:152 Resp: 10663

Ion	Ratio	Lower	Upper
152	100		
150	136.8	115.7	173.5
115	47.0	43.0	64.4

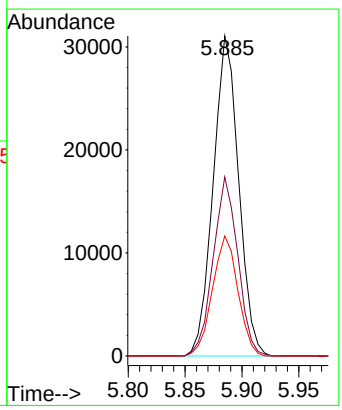


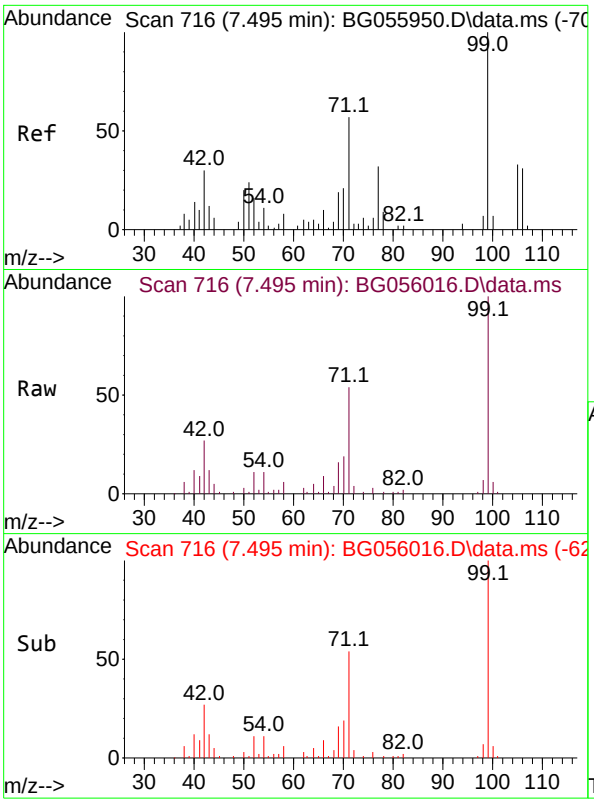


#5
2-Fluorophenol
Concen: 106.456 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.000 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:112 Resp: 48403

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.0	64.4
63	37.5	31.4	47.2



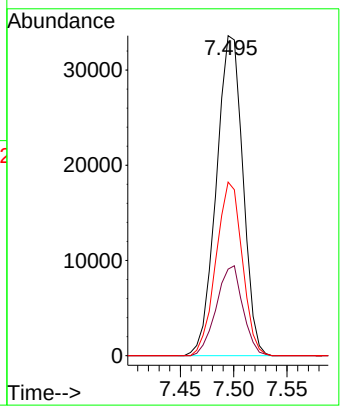


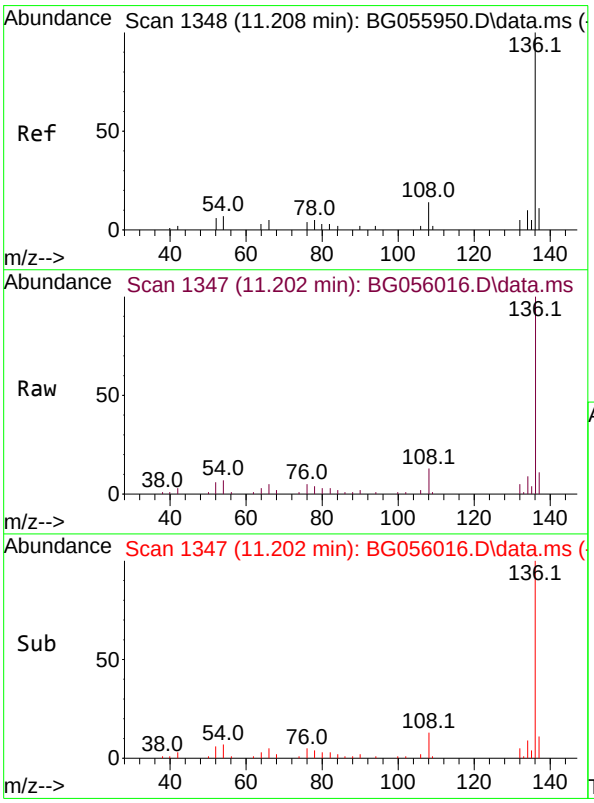
#7
Phenol-d6
Concen: 99.557 ng
RT: 7.495 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion: 99 Resp: 58219

Ion	Ratio	Lower	Upper
99	100		
42	27.0	24.3	36.5
71	54.2	45.6	68.4

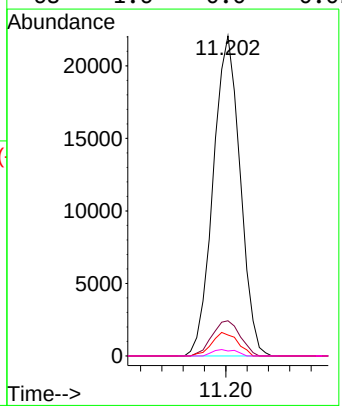


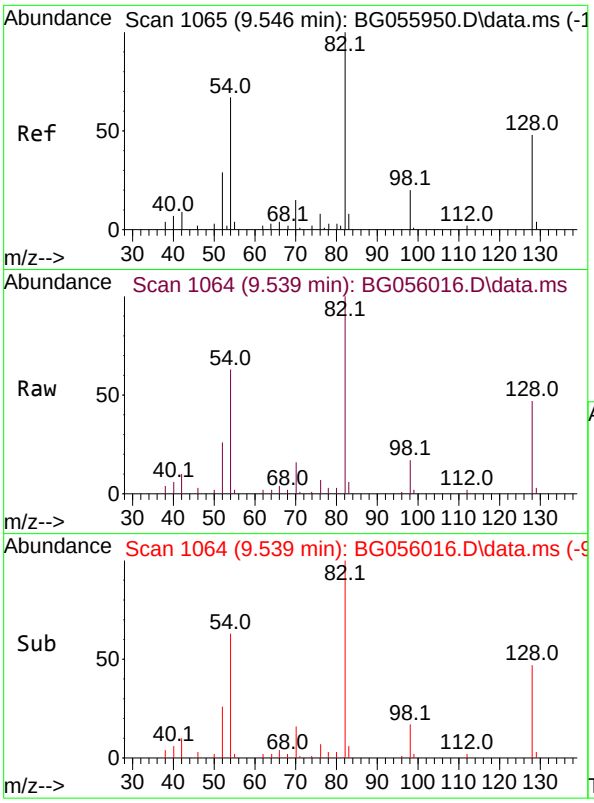


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.202 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:136 Resp: 38750

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.6	5.6	8.4
68	1.6	0.0	0.0#



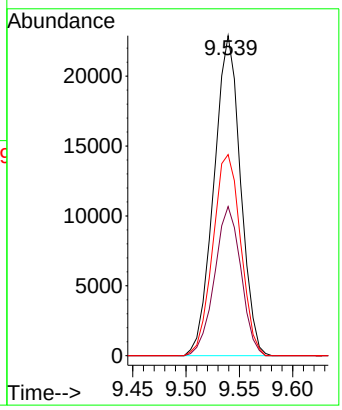


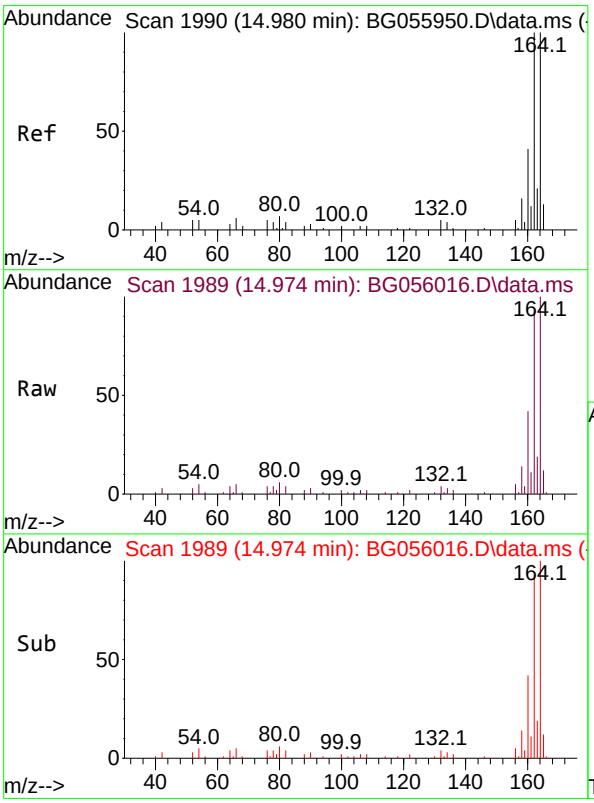
#23
Nitrobenzene-d5
Concen: 71.615 ng
RT: 9.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion: 82 Resp: 39711

Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.4	57.6
54	62.9	53.3	79.9

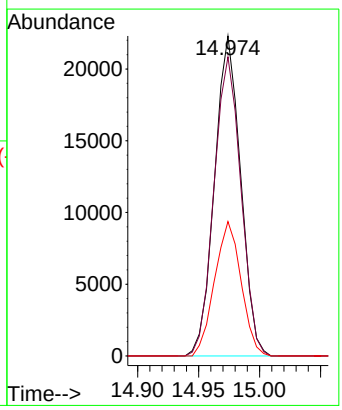


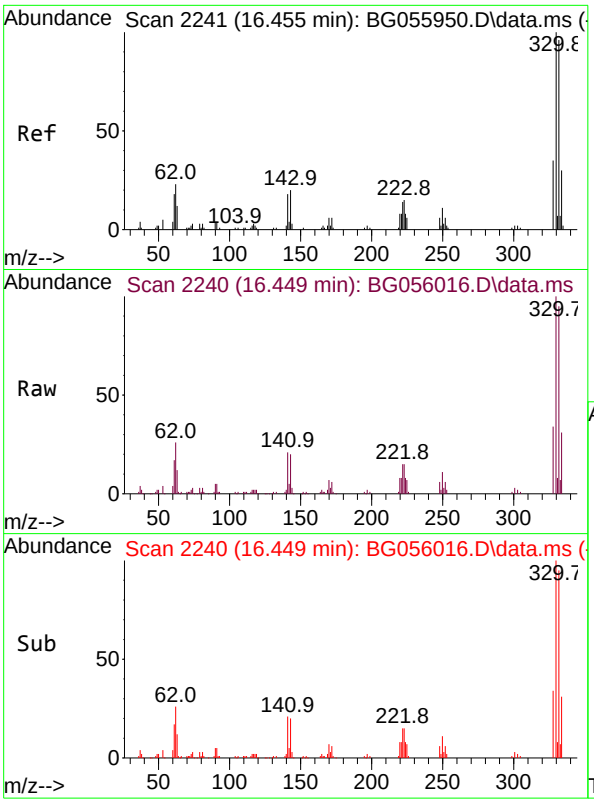


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.974 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:164 Resp: 33198

Ion	Ratio	Lower	Upper
164	100		
162	93.4	79.8	119.8
160	42.0	33.0	49.4



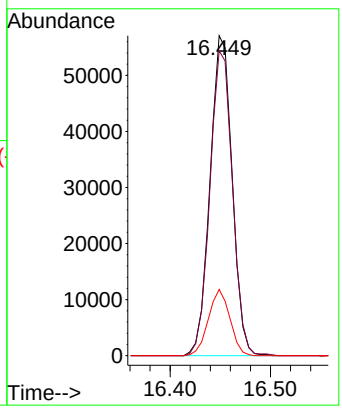


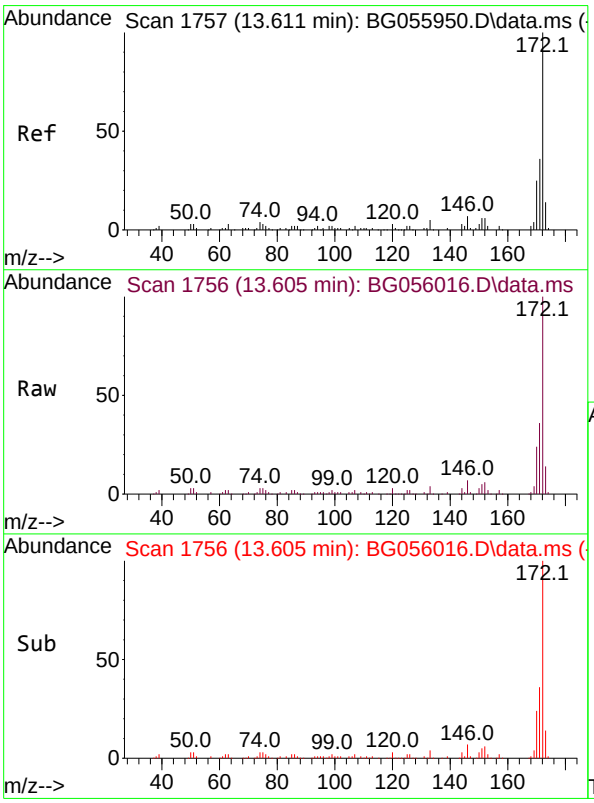
#42
2,4,6-Tribromophenol
Concen: 109.221 ng
RT: 16.449 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:330 Resp: 87432

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	114.8
141	20.1	15.0	22.4

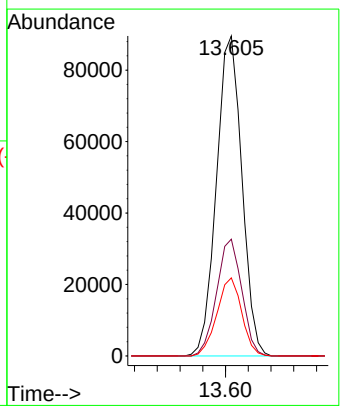


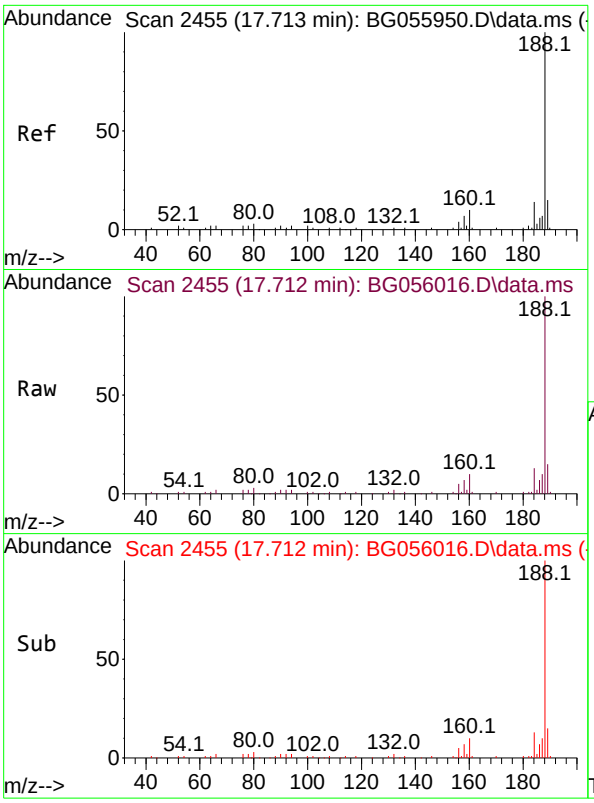


#45
2-Fluorobiphenyl
Concen: 58.795 ng
RT: 13.605 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:172 Resp: 139172

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.4	19.9	29.9



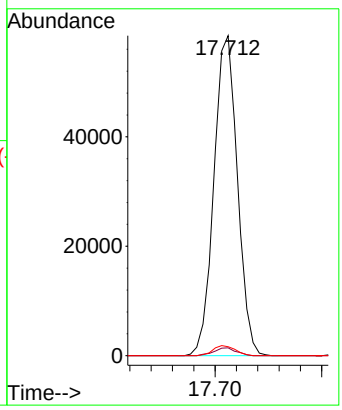


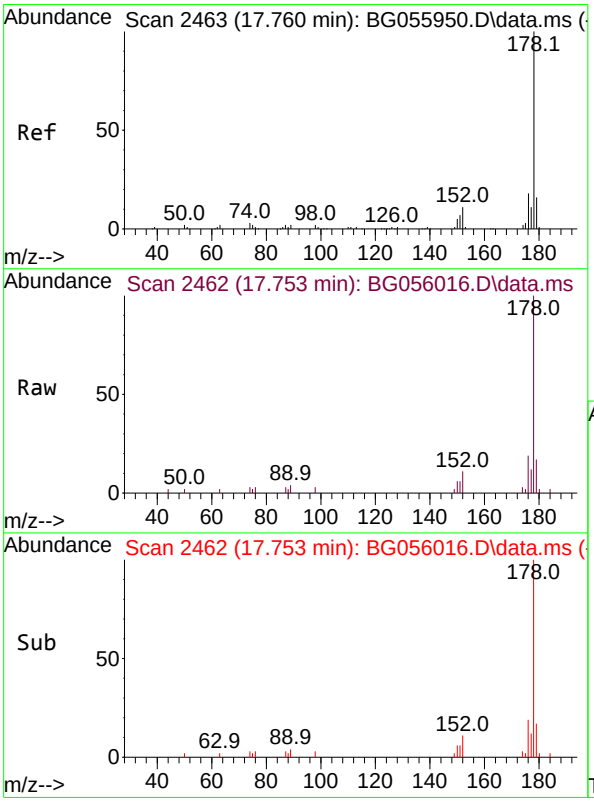
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:188 Resp: 89292

Ion	Ratio	Lower	Upper
188	100		
94	2.5	1.8	2.8
80	2.8	2.4	3.6

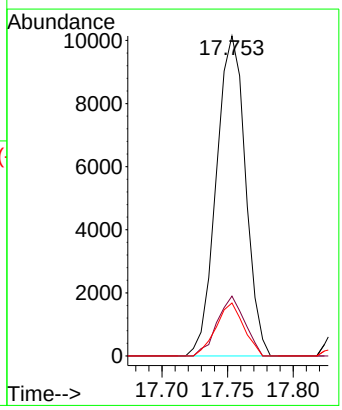


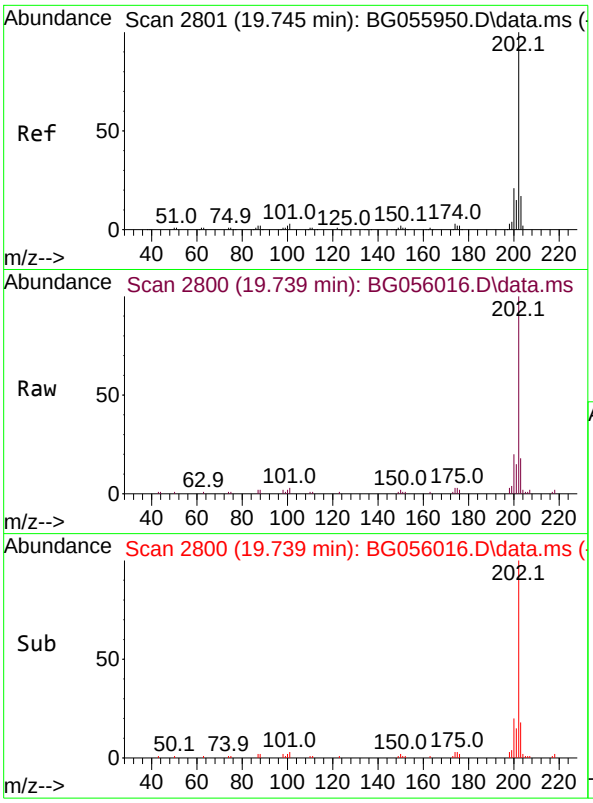


#71
Phenanthrene
Concen: 3.347 ng
RT: 17.753 min Scan# 2462
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:178 Resp: 15662

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	16.6	12.7	19.1



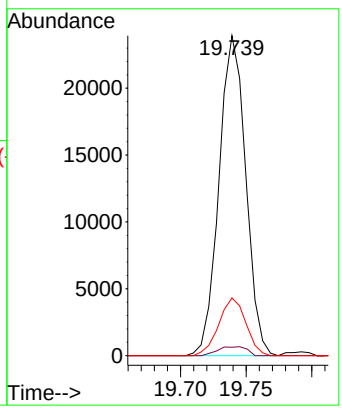


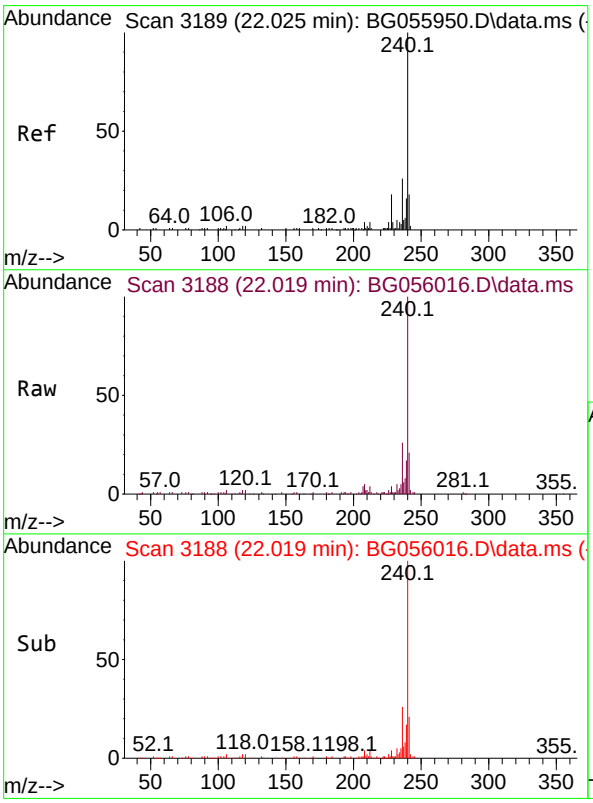
#75
Fluoranthene
Concen: 5.173 ng
RT: 19.739 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:202 Resp: 33898

Ion	Ratio	Lower	Upper
202	100		
101	2.6	0.0	22.6
203	18.1	0.0	37.1

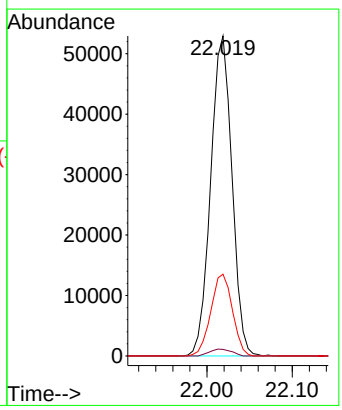


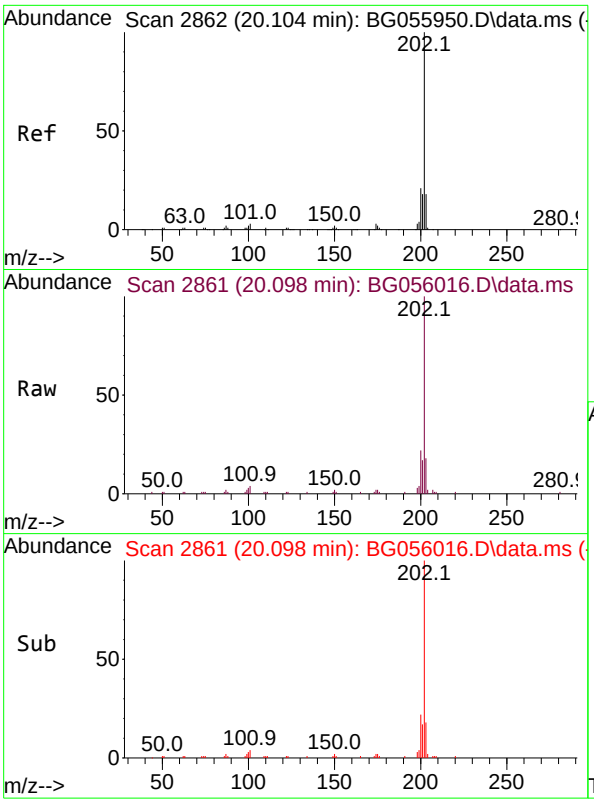


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3188
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:240 Resp: 91778

Ion	Ratio	Lower	Upper
240	100		
120	2.1	1.7	2.5
236	25.6	21.1	31.7



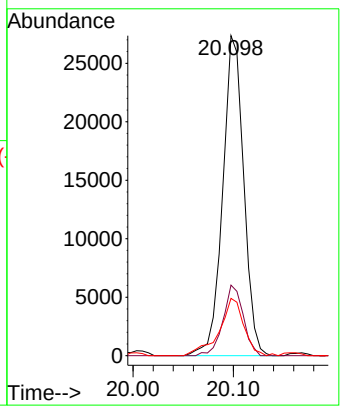


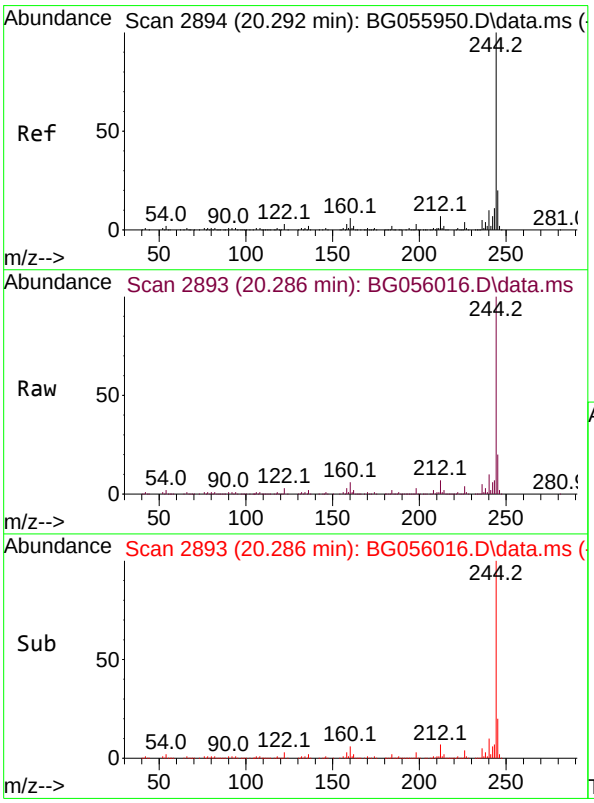
#78
Pyrene
Concen: 7.162 ng
RT: 20.098 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:202 Resp: 39775

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.7	25.1
203	17.9	14.6	21.8

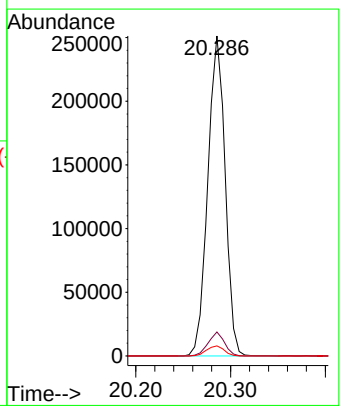


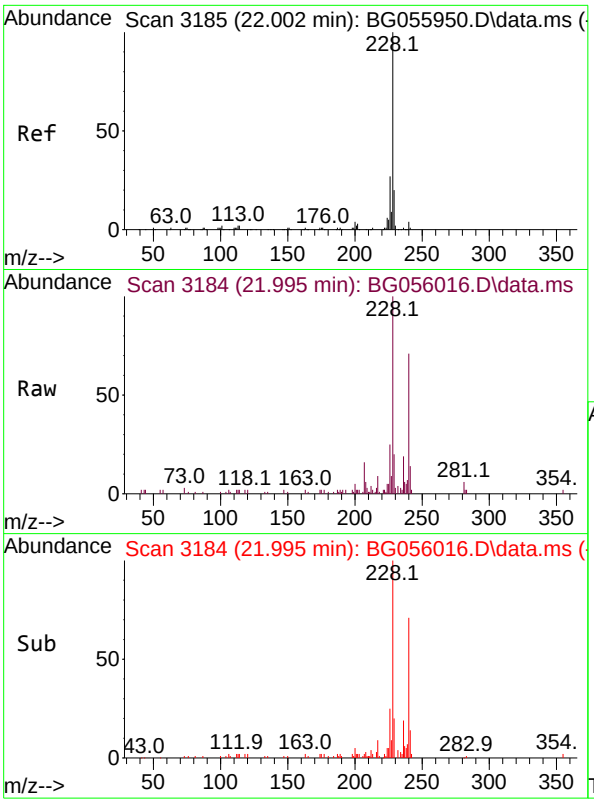


#79
Terphenyl-d14
Concen: 61.252 ng
RT: 20.286 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:244 Resp: 318071

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	3.2	2.5	3.7



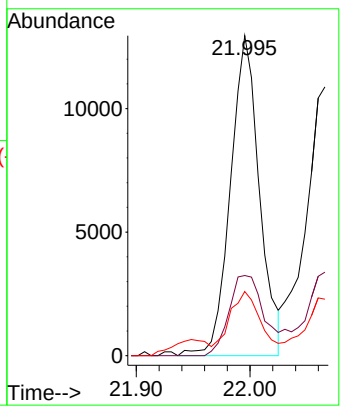


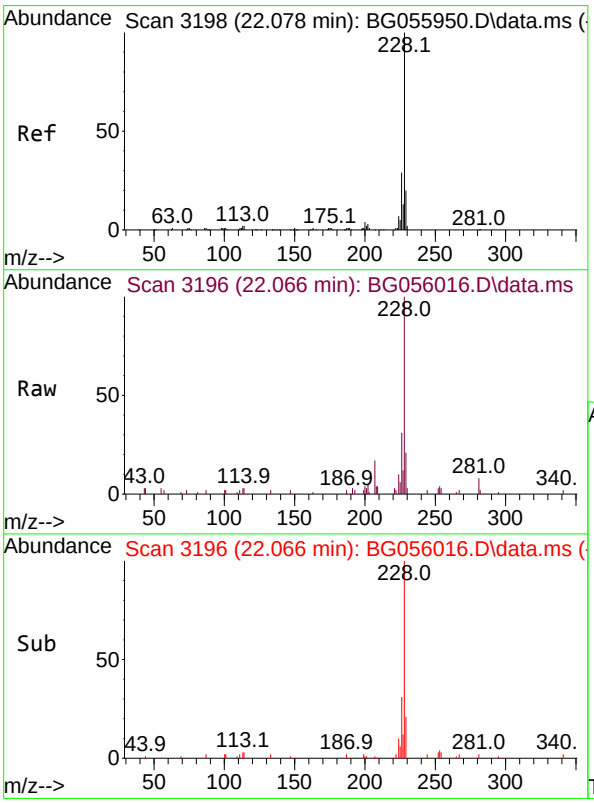
#81
Benzo(a)anthracene
Concen: 3.558 ng
RT: 21.995 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:228 Resp: 22978

Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.8	32.6
229	20.0	15.9	23.9

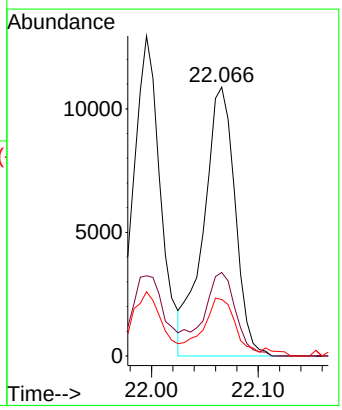


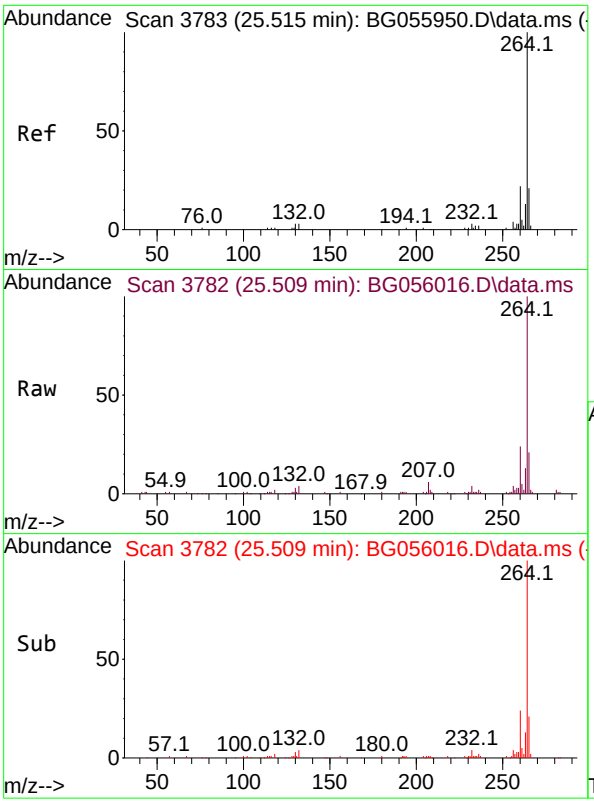


#83
Chrysene
Concen: 3.702 ng
RT: 22.066 min Scan# 3196
Delta R.T. -0.011 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:228 Resp: 22409

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.1	34.7
229	21.0	15.7	23.5



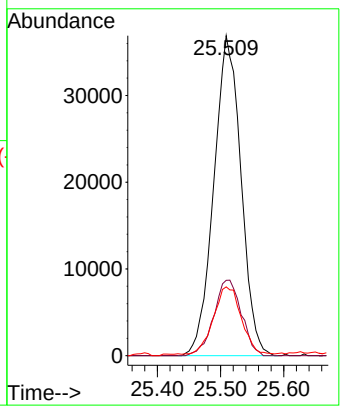


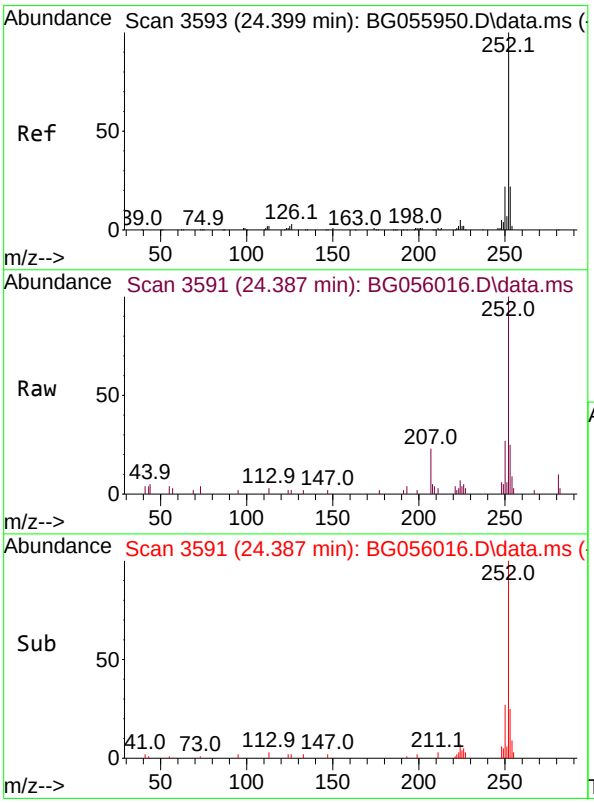
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.509 min Scan# 3
Delta R.T. -0.017 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:264 Resp: 110083

Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.8	26.8
265	21.5	16.6	25.0

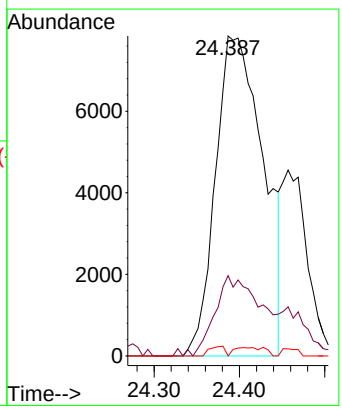


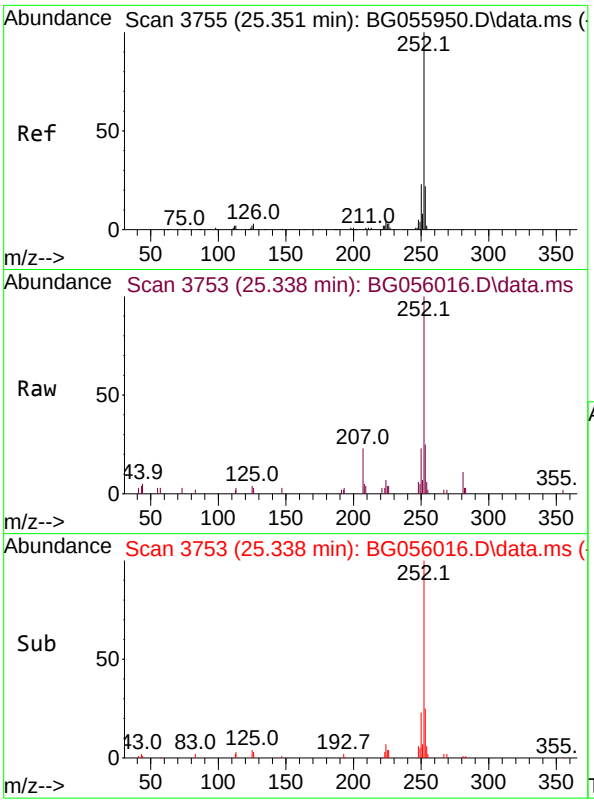


#88
Benzo(b)fluoranthene
Concen: 4.283 ng
RT: 24.387 min Scan# 3591
Delta R.T. -0.017 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Tgt Ion:252 Resp: 30513

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.4	26.0
125	0.0	1.8	2.8#





#90
Benzo(a)pyrene
Concen: 3.789 ng
RT: 25.338 min Scan# 3
Delta R.T. -0.023 min
Lab File: BG056016.D
Acq: 19 Dec 2022 16:46

Instrument :
BNA_G
ClientSampleId :
RB-28-(2.5-4.5)

Tgt Ion:252 Resp: 22817

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	3.7	1.9	2.9#