Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
Data File : BG044475.D
Acq On : 18 Feb 2020 16:41
Operator : CG/JU
Sample : L1365-09 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CL-02-021420

Quant Time: Feb 19 01:23:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	73917	20.00	ng		-0.01
21) Naphthalene-d8	10.70	136	316954	20.00	ng		0.00
39) Acenaphthene-d10	14.53	164	209626	20.00	ng		-0.01
64) Phenanthrene-d10	17.28	188	432608	20.00	ng		-0.01
76) Chrysene-d12	21.53	240	393899	20.00	ng		-0.01
87) Perylene-d12	24.61	264	435250	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	221771	52.95	ng		0.00
7) Phenol-d6	7.07	99	294188	52.31	ng		0.00
23) Nitrobenzene-d5	9.05	82	174744	31.13	ng		-0.01
42) 2,4,6-Tribromophenol	16.03	330	118039	47.97	ng		0.00
45) 2-Fluorobiphenyl	13.15	172	404277	32.29	ng		-0.01
79) Terphenyl-d14	19.89	244	579617	30.27	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	17.32	178	111669	5.331	ng		93
75) Fluoranthene	19.33	202	171424	7.074	ng		98
78) Pyrene	19.69	202	177984	7.036	ng		95
81) Benzo(a)anthracene	21.50	228	70319	2.897	ng		99
83) Chrysene	21.57	228	71743	3.057	ng		98
88) Benzo(b)fluoranthene	23.64	252	81712	3.258	ng	#	92
90) Benzo(a)pyrene	24.46	252	67648	2.853	ng	#	90

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

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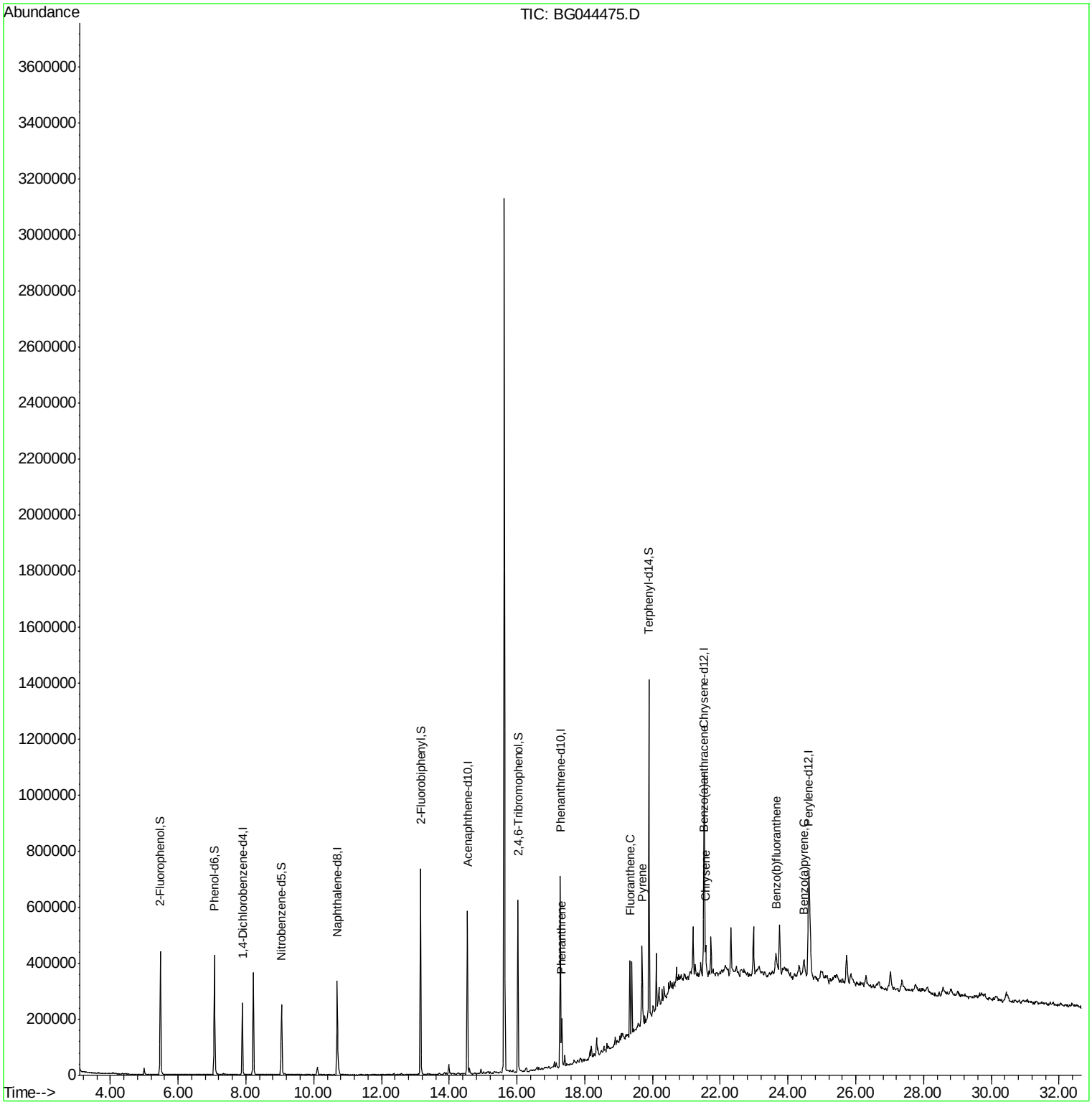
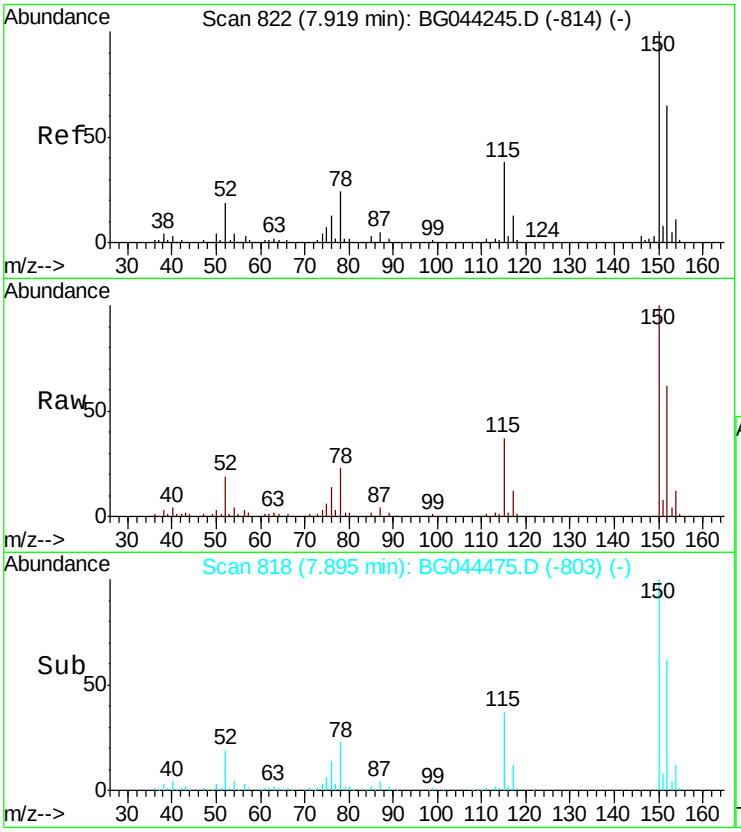


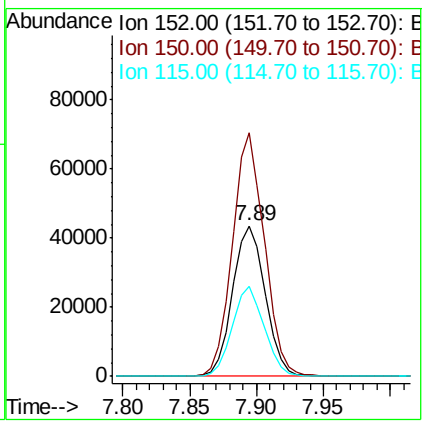


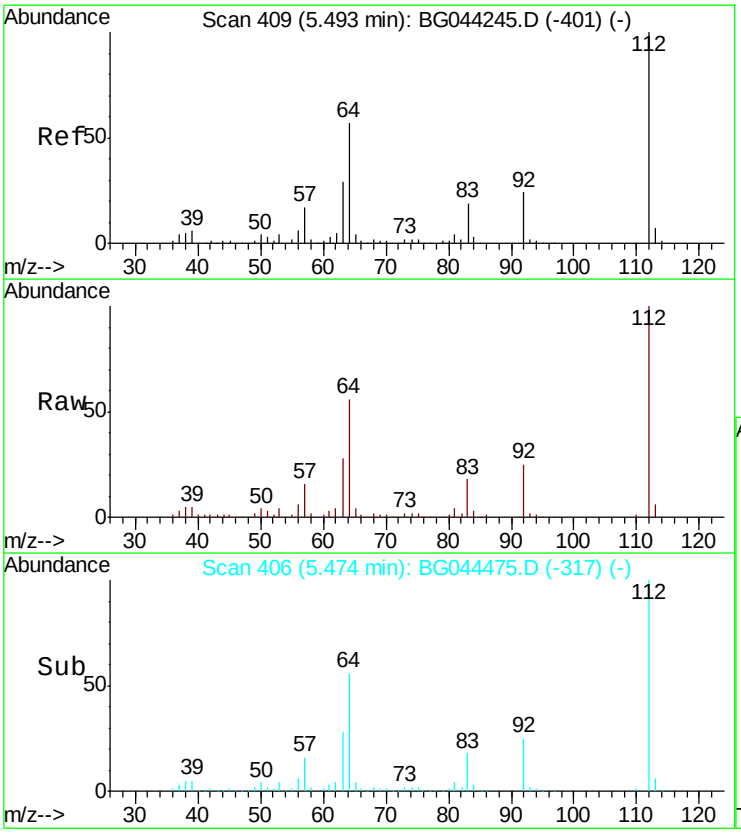
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:152 Resp: 73917

Ion	Ratio	Lower	Upper
152	100		
150	162.1	122.6	183.8
115	60.2	46.0	69.0

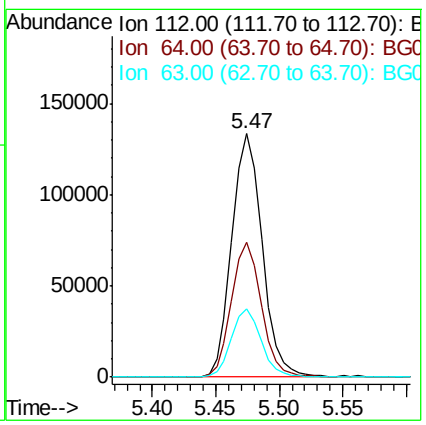


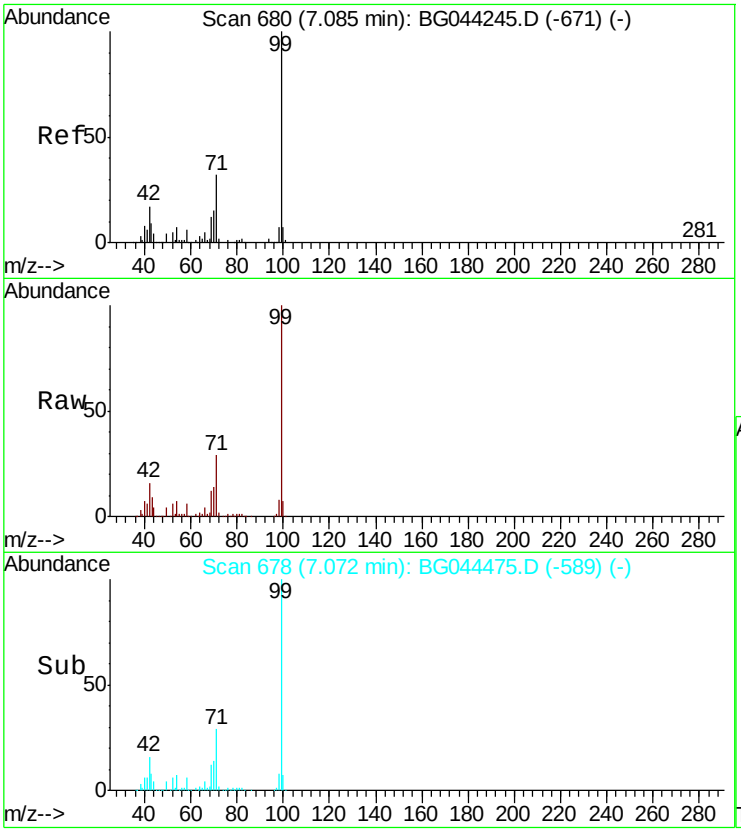


#5
2-Fluorophenol
Concen: 52.950 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:112 Resp: 221771

Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.4	68.2
63	28.1	22.9	34.3



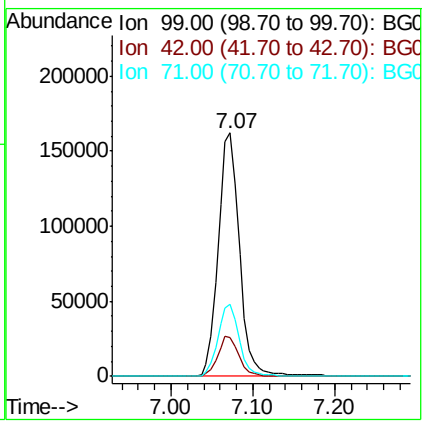


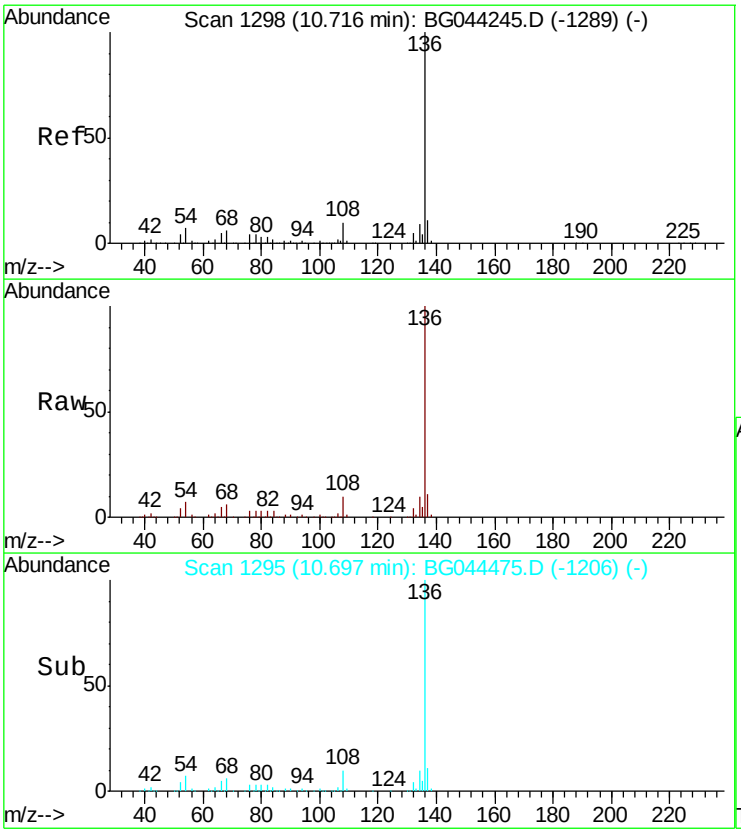
#7
Phenol-d6
Concen: 52.307 ng
RT: 7.07 min Scan# 678
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion: 99 Resp: 294188

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.8	20.6
71	29.4	25.5	38.3

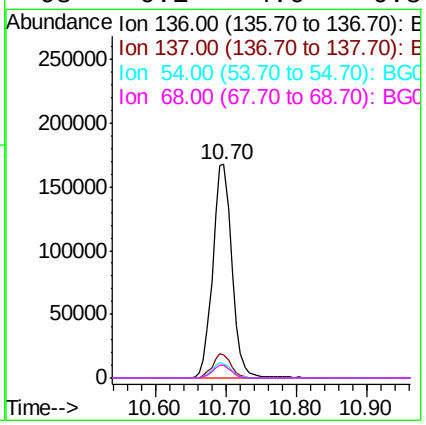


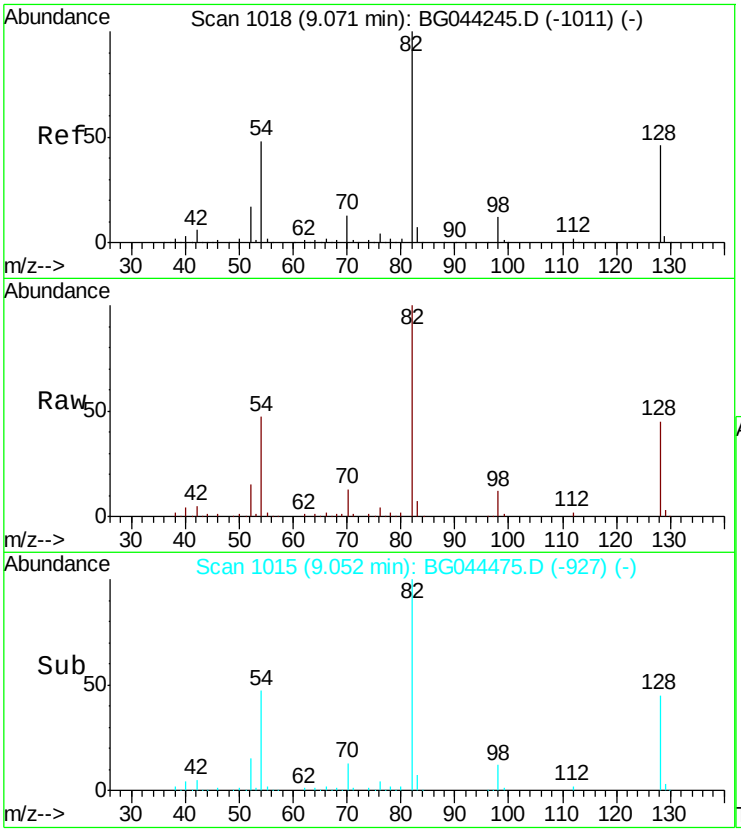


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:136 Resp: 316954

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.8	8.8
68	6.1	4.6	6.8



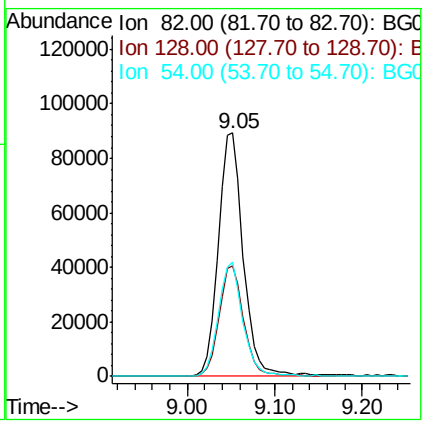


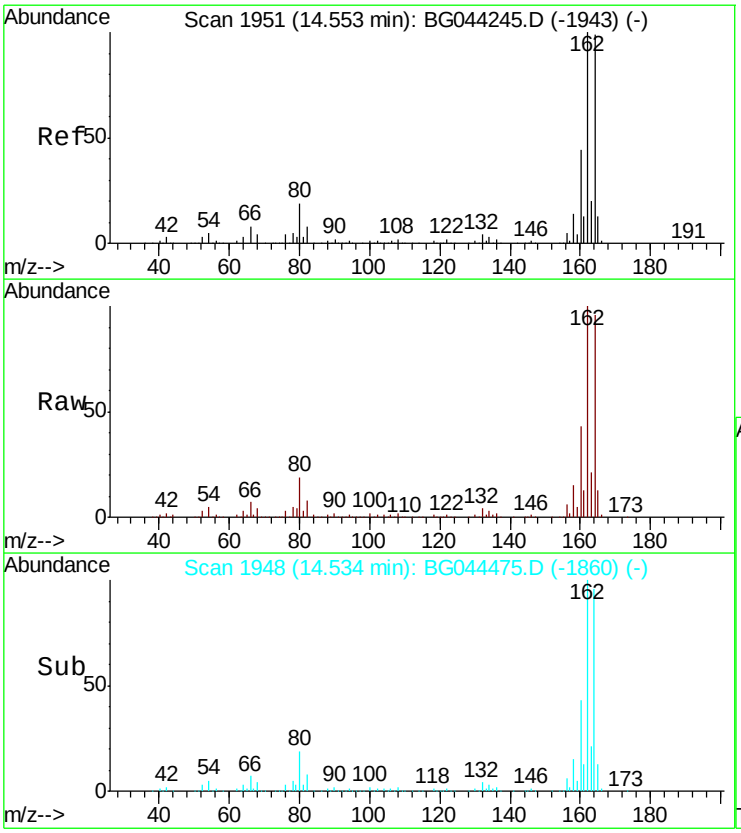
#23
Nitrobenzene-d5
Concen: 31.126 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion: 82 Resp: 174744

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	46.9	38.6	58.0

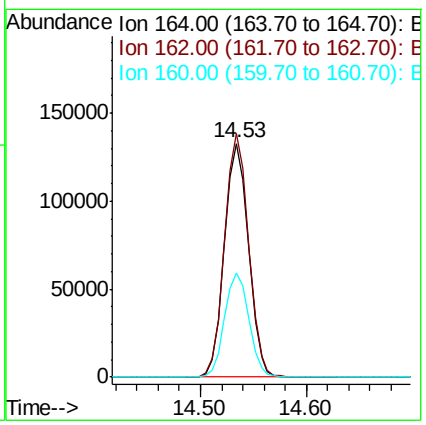


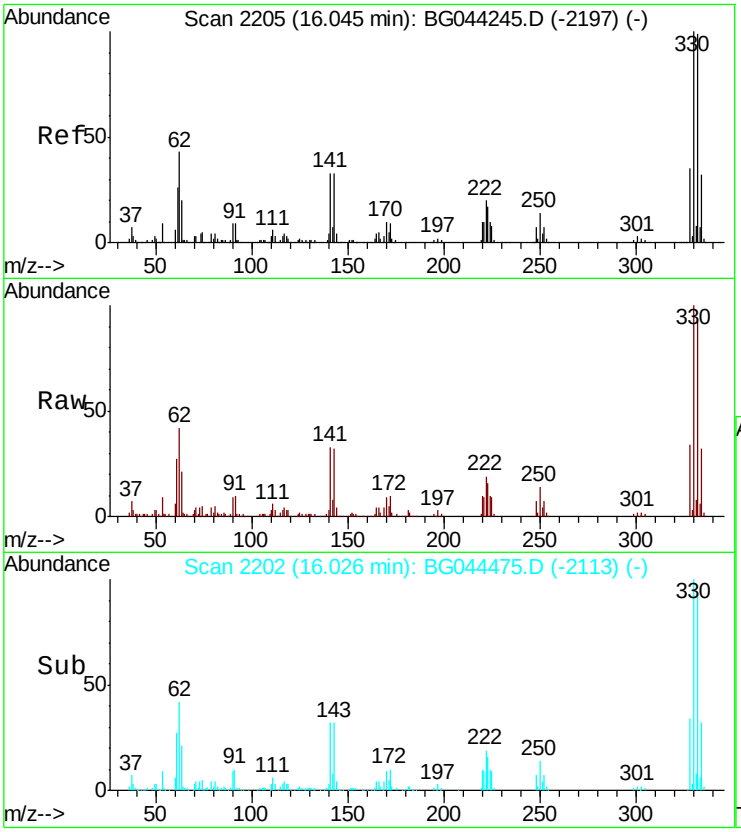


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:164 Resp: 209626

Ion	Ratio	Lower	Upper
164	100		
162	104.2	80.7	121.1
160	44.4	35.3	52.9



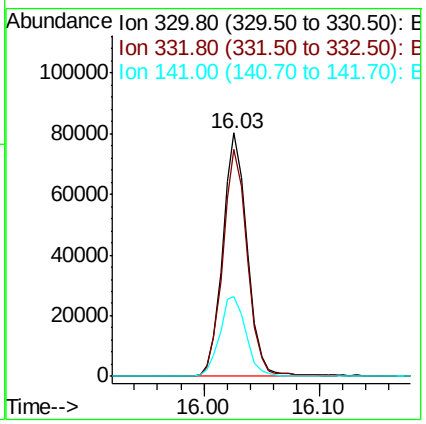


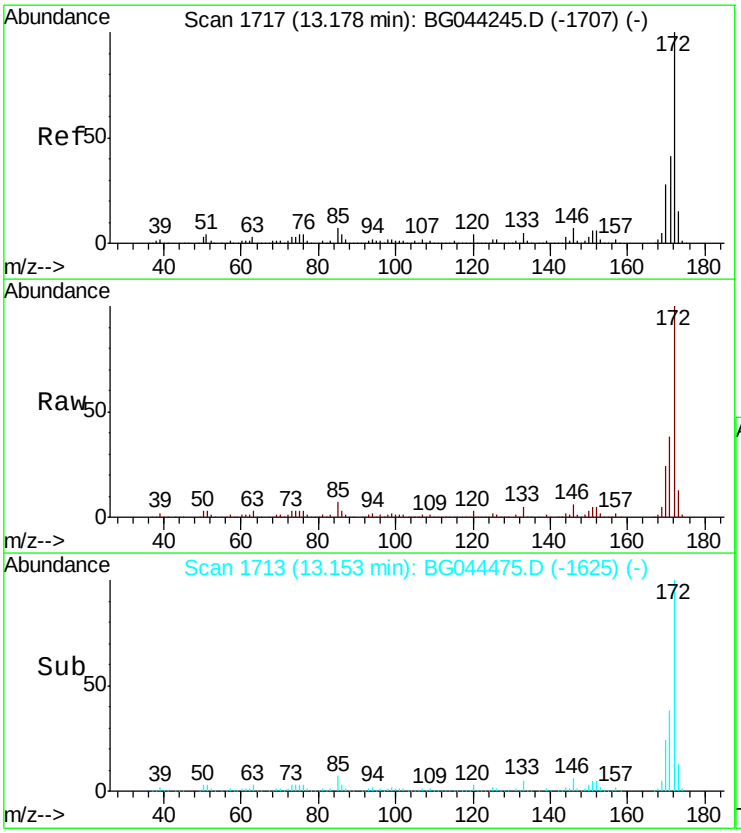
#42
2,4,6-Tribromophenol
Concen: 47.966 ng
RT: 16.03 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:330 Resp: 118039

Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.2	115.8
141	35.1	28.3	42.5

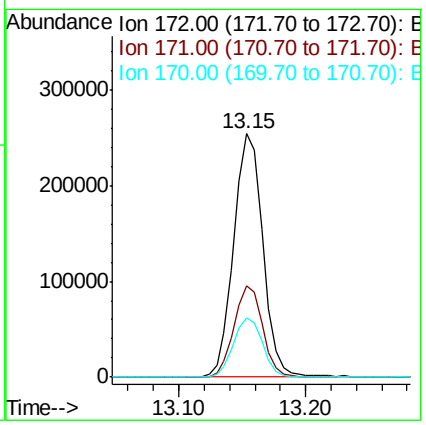


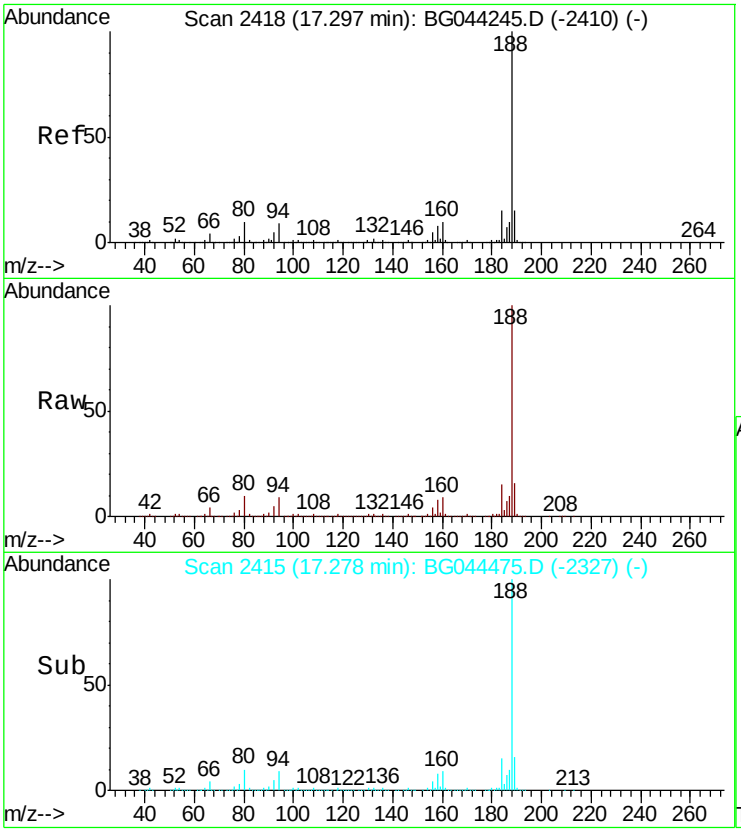


#45
2-Fluorobiphenyl
Concen: 32.295 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:172 Resp: 404277

Ion	Ratio	Lower	Upper
172	100		
171	37.5	32.9	49.3
170	24.3	22.0	33.0



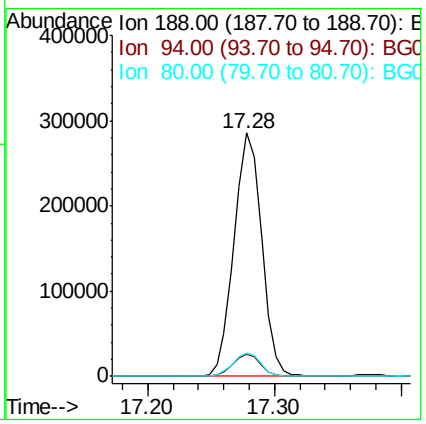


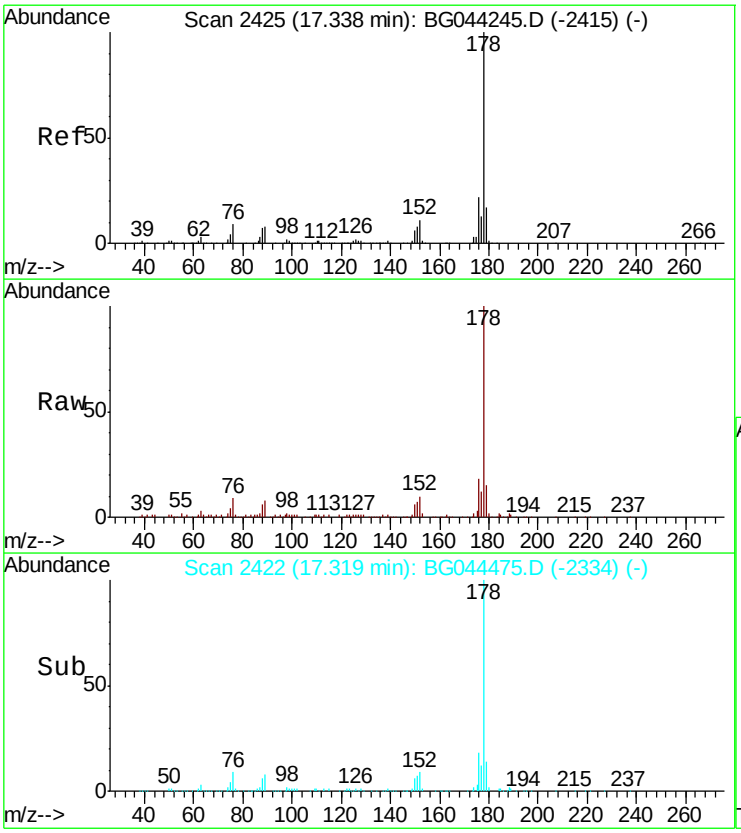
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.28 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:188 Resp: 432608

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.9	7.7	11.5

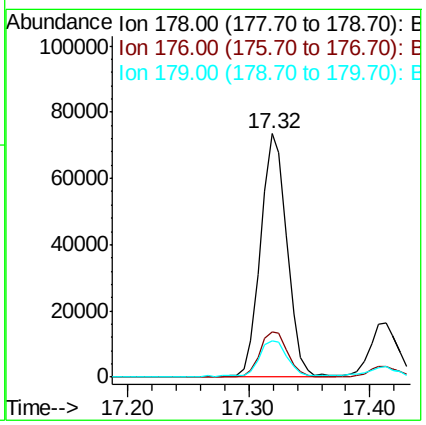


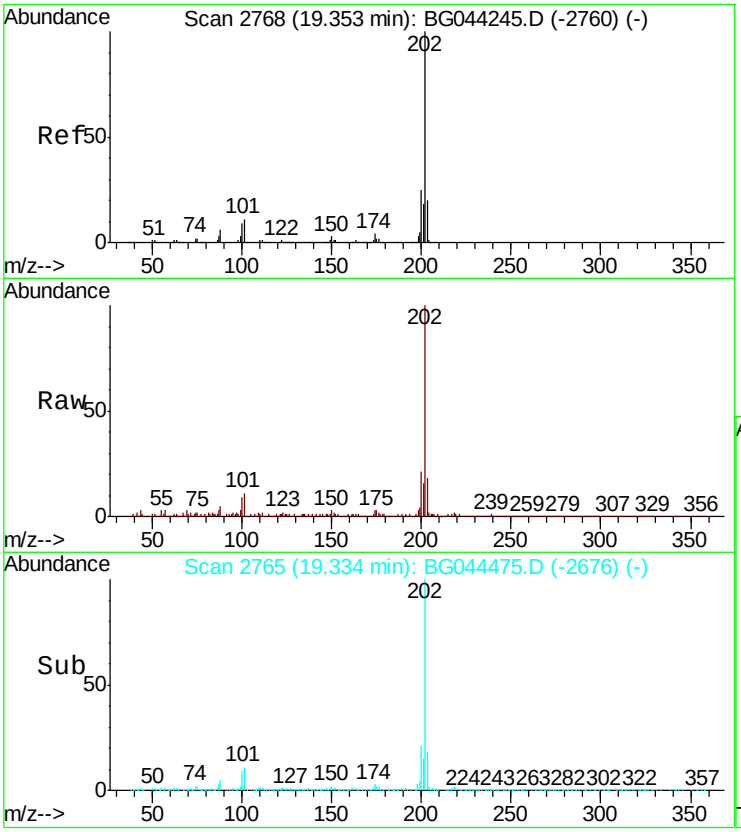


#71
Phenanthrene
Concen: 5.331 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:178 Resp: 111669

Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.7	26.5
179	14.6	13.7	20.5



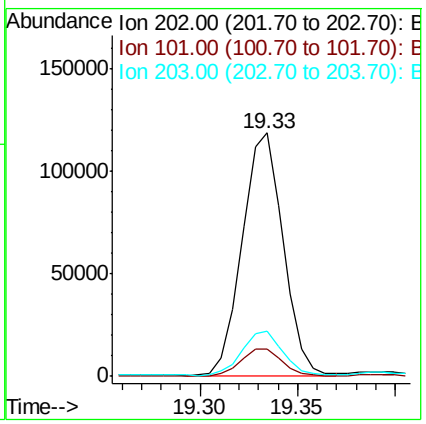


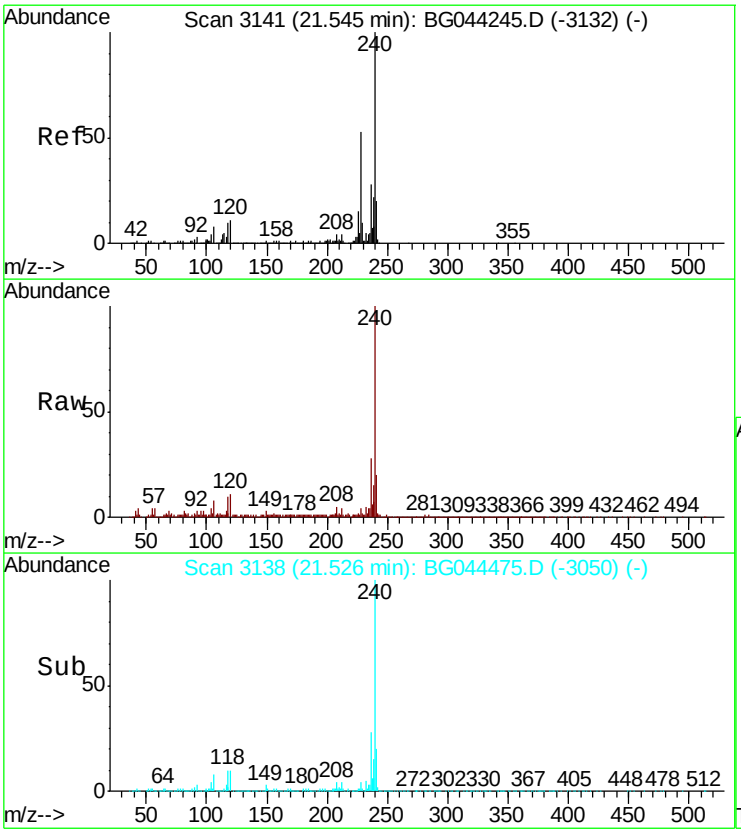
#75
Fluoranthene
Concen: 7.074 ng
RT: 19.33 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:202 Resp: 171424

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.3
203	18.3	0.0	39.9

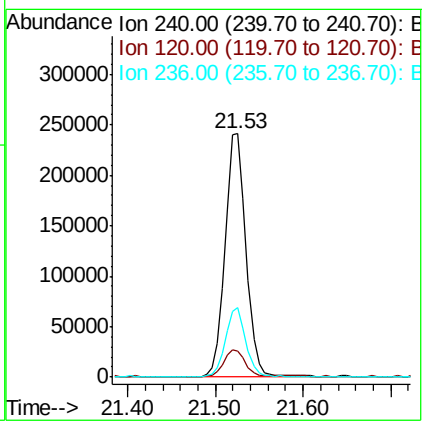


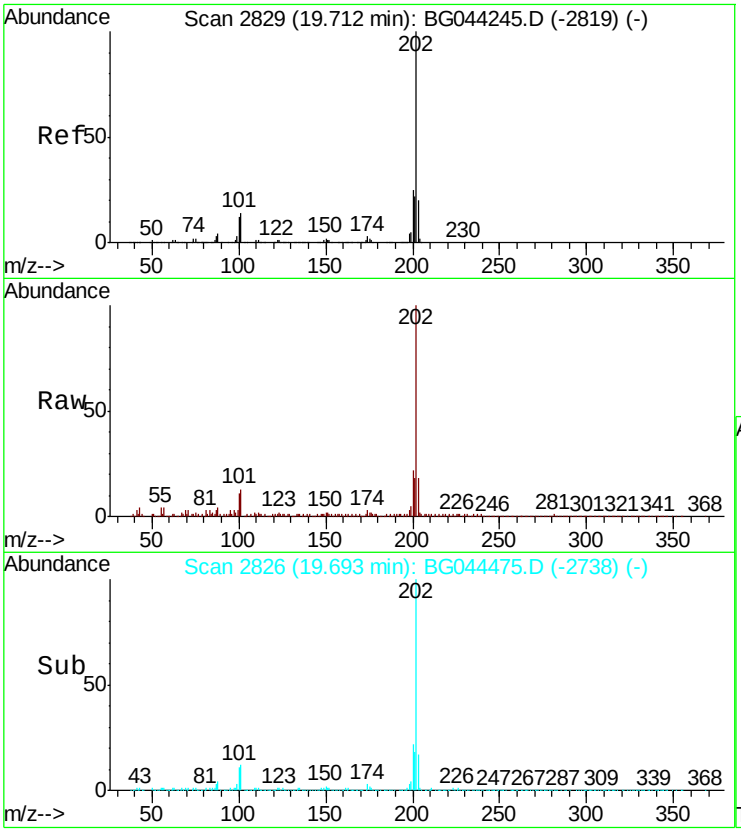


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.53 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:240 Resp: 393899

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	28.4	22.1	33.1



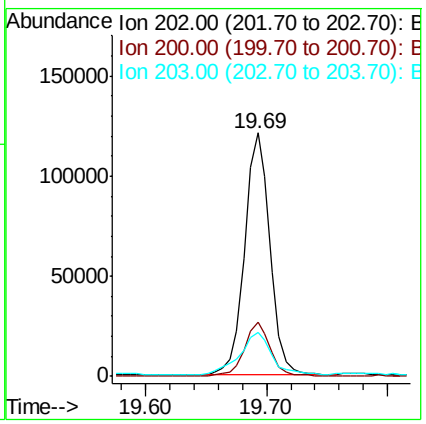


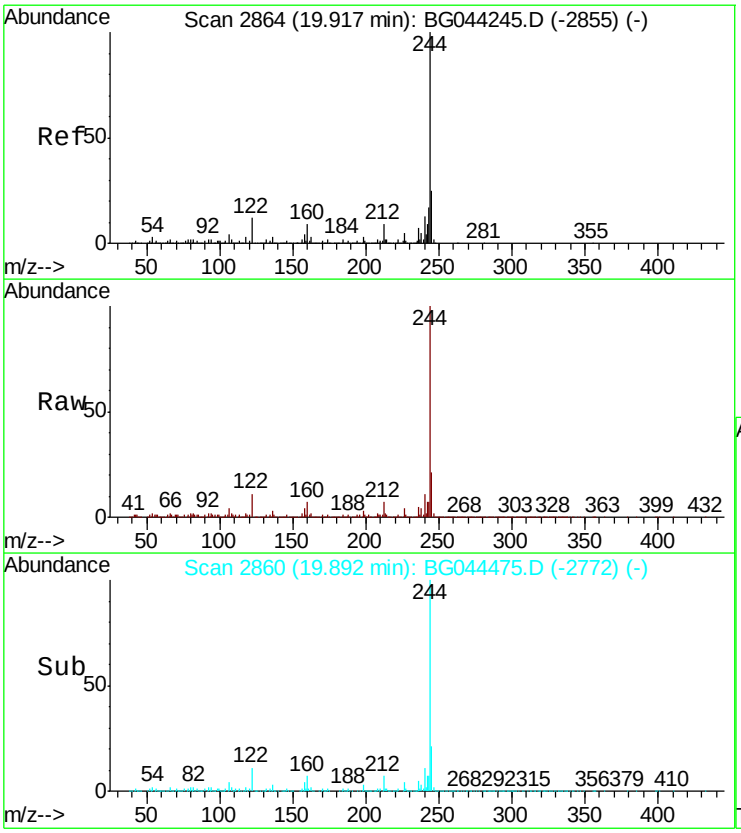
#78
Pyrene
Concen: 7.036 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:202 Resp: 177984

Ion	Ratio	Lower	Upper
202	100		
200	22.1	20.0	30.0
203	17.9	16.2	24.2

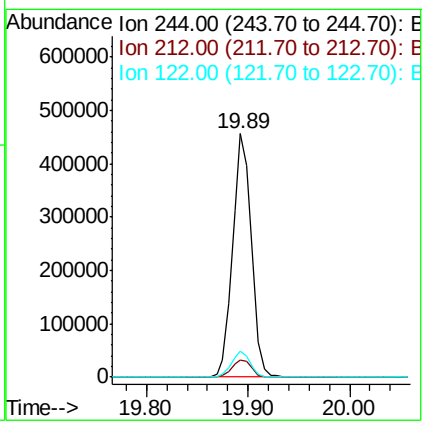


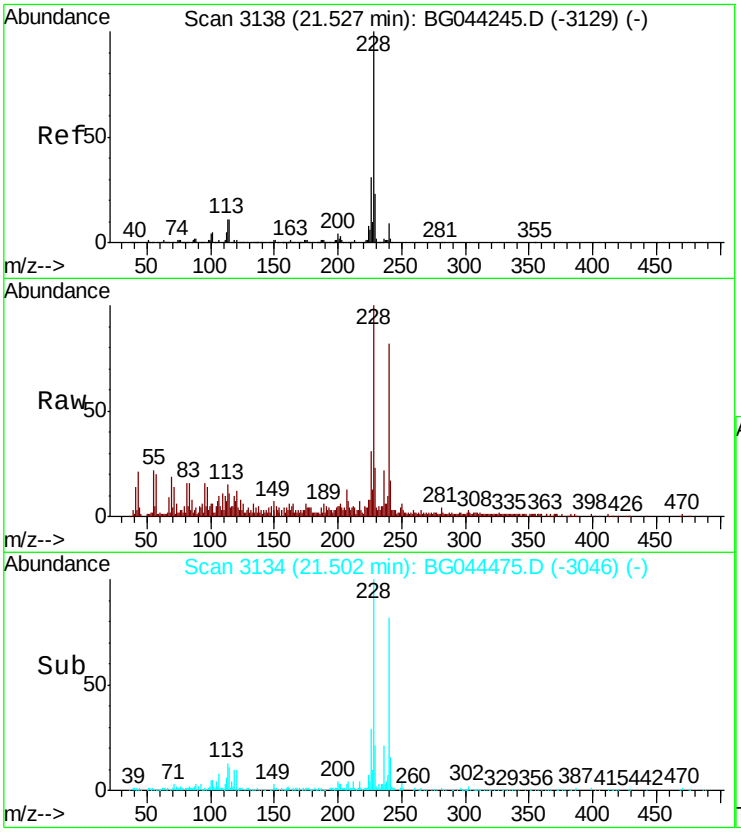


#79
Terphenyl-d14
Concen: 30.267 ng
RT: 19.89 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:244 Resp: 579617

Ion	Ratio	Lower	Upper
244	100		
212	7.1	7.4	11.2#
122	10.7	9.8	14.6



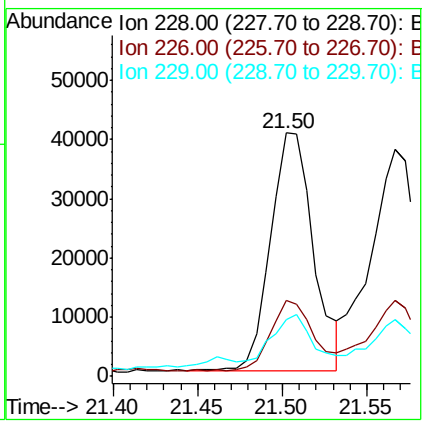


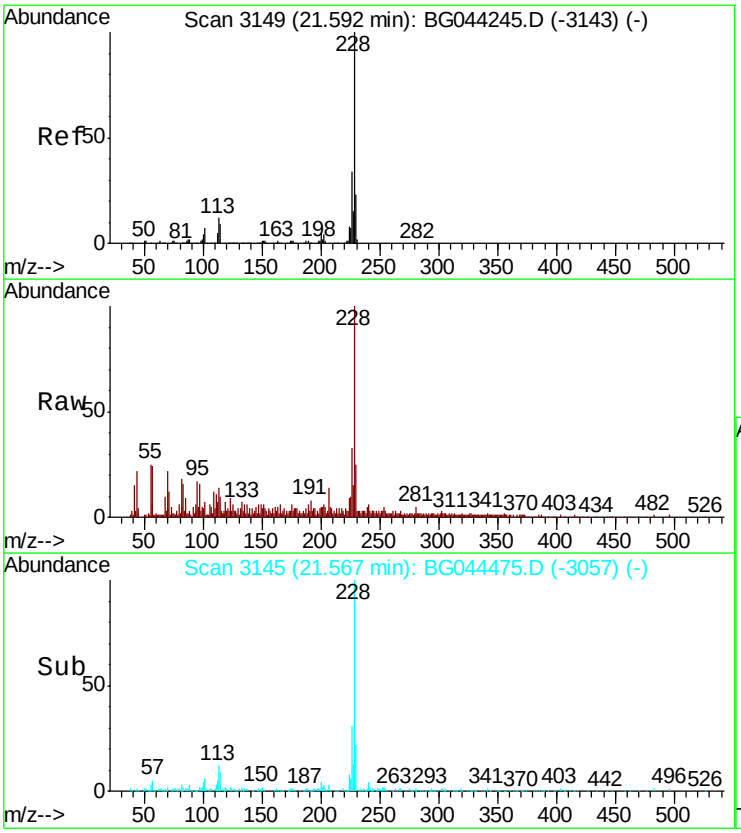
#81
Benzo(a)anthracene
Concen: 2.897 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:228 Resp: 70319

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	23.5	18.2	27.4

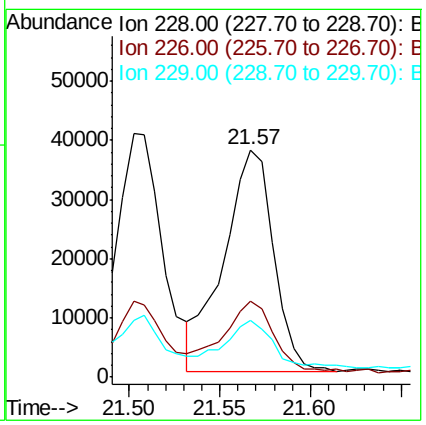


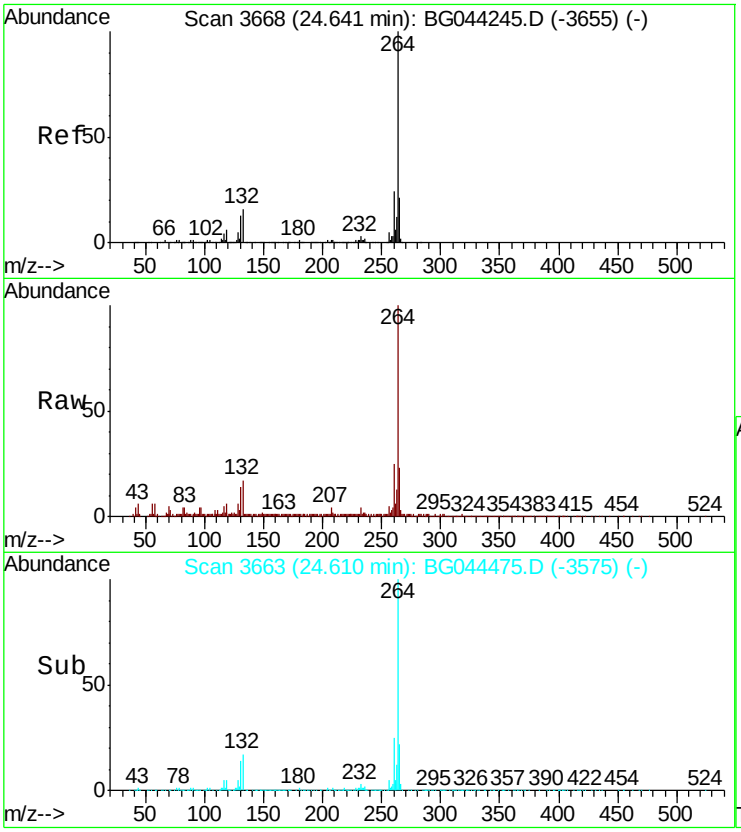


#83
Chrysene
Concen: 3.057 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:228 Resp: 71743

Ion	Ratio	Lower	Upper
228	100		
226	33.4	27.1	40.7
229	24.7	17.9	26.9



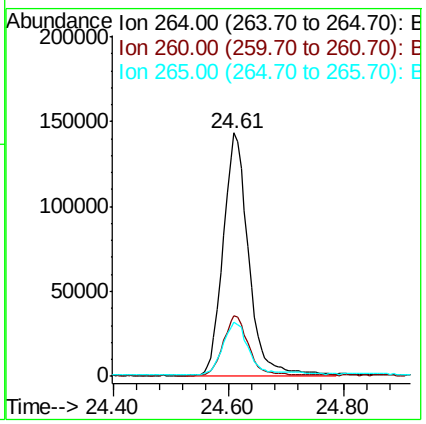


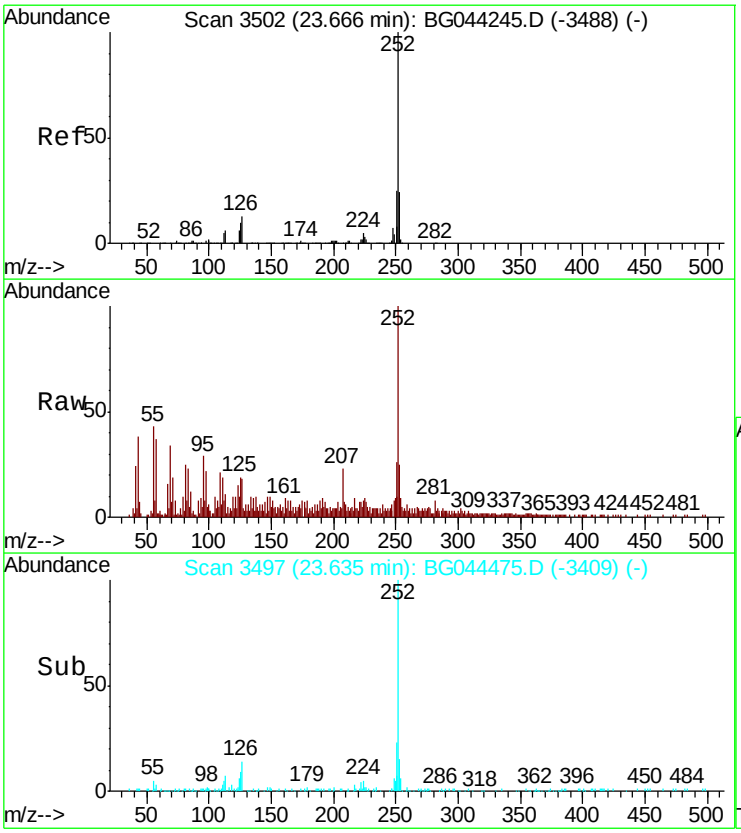
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:264 Resp: 435250

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.5	16.7	25.1

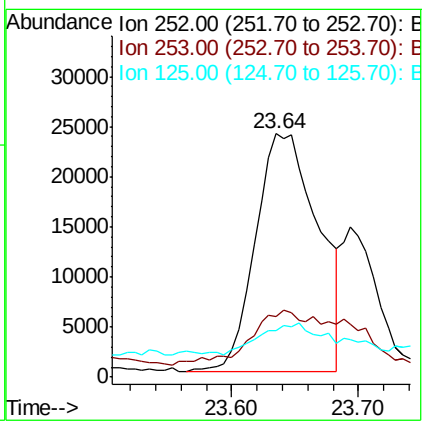


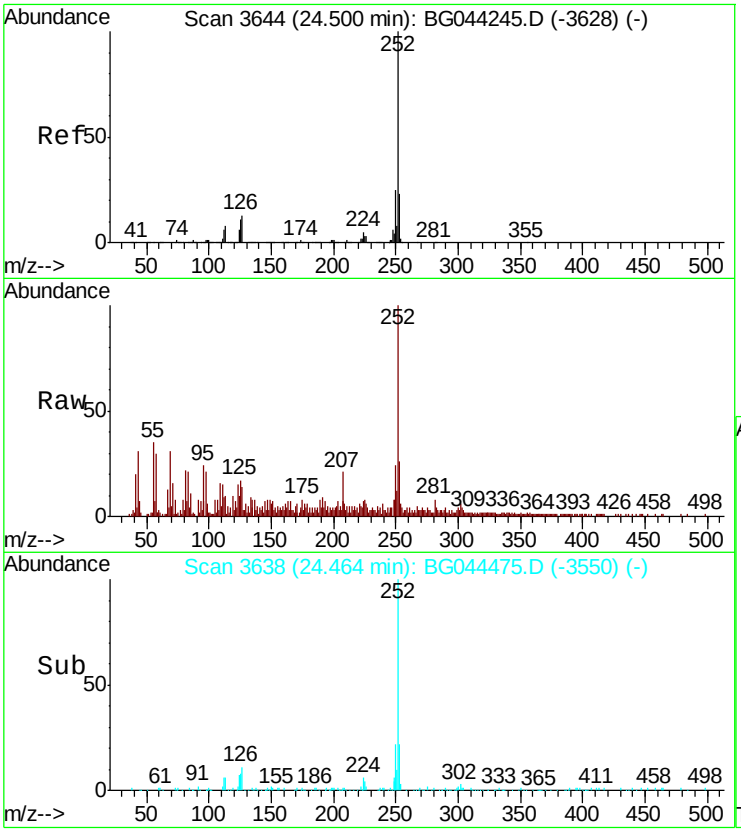


#88
Benzo(b)fluoranthene
Concen: 3.258 ng
RT: 23.64 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Tgt Ion:252 Resp: 81712

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.2	28.8
125	18.9	8.4	12.6#





#90
Benzo(a)pyrene
Concen: 2.853 ng
RT: 24.46 min Scan# 3638
Delta R.T. -0.01 min
Lab File: BG044475.D
Acq: 18 Feb 2020 16:41

Instrument :
BNA_G
ClientSampleId :
CL-02-021420

Tgt Ion:252 Resp: 67648

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	17.2	8.6	13.0#