Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042516.D
Acq On : 27 Aug 2019 22:43
Operator : HP/JU
Sample : K4549-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId :

Quant Time: Aug 28 03:29:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	32710	20.00	ng		-0.01
21) Naphthalene-d8	10.82	136	130994	20.00	ng		0.00
39) Acenaphthene-d10	14.66	164	99348	20.00	ng		0.00
64) Phenanthrene-d10	17.41	188	249641	20.00	ng		-0.01
76) Chrysene-d12	21.68	240	302256	20.00	ng		-0.01
87) Perylene-d12	24.93	264	363157	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.55	112	112082	69.40	ng		-0.01
7) Phenol-d6	7.16	99	157068	72.00	ng		-0.01
23) Nitrobenzene-d5	9.16	82	87092	45.94	ng		-0.01
42) 2,4,6-Tribromophenol	16.15	330	101903	72.17	ng		-0.01
45) 2-Fluorobiphenyl	13.28	172	261079	44.45	ng		0.00
79) Terphenyl-d14	20.02	244	540283	38.64	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	7.13	77	4214	3.858	ng	#	88
50) Dimethylphthalate	14.10	163	239749	33.446	ng		99
71) Phenanthrene	17.45	178	239507	19.315	ng		97
72) Anthracene	17.54	178	48363	3.907	ng		97
73) Carbazole	17.82	167	35079	3.180	ng		96
74) Di-n-butylphthalate	18.37	149	27305	2.094	ng	#	97
75) Fluoranthene	19.46	202	532372	35.179	ng		97
78) Pyrene	19.83	202	446685	24.105	ng		98
81) Benzo(a)anthracene	21.67	228	250669	13.633	ng		97
83) Chrysene	21.73	228	255264	14.395	ng		98
86) Indeno(1,2,3-cd)pyrene	28.61	276	170930	7.093	ng		99
88) Benzo(b)fluoranthene	23.90	252	351440	17.603	ng		100
89) Benzo(k)fluoranthene	23.96	252	117138m	6.104	ng		
90) Benzo(a)pyrene	24.76	252	235780	12.445	ng		99
91) Dibenzo(a,h)anthracene	28.66	278	42227m	2.201	ng		
92) Benzo(g,h,i)perylene	29.77	276	170473	8.886	ng		99

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042516.D
Acq On : 27 Aug 2019 22:43
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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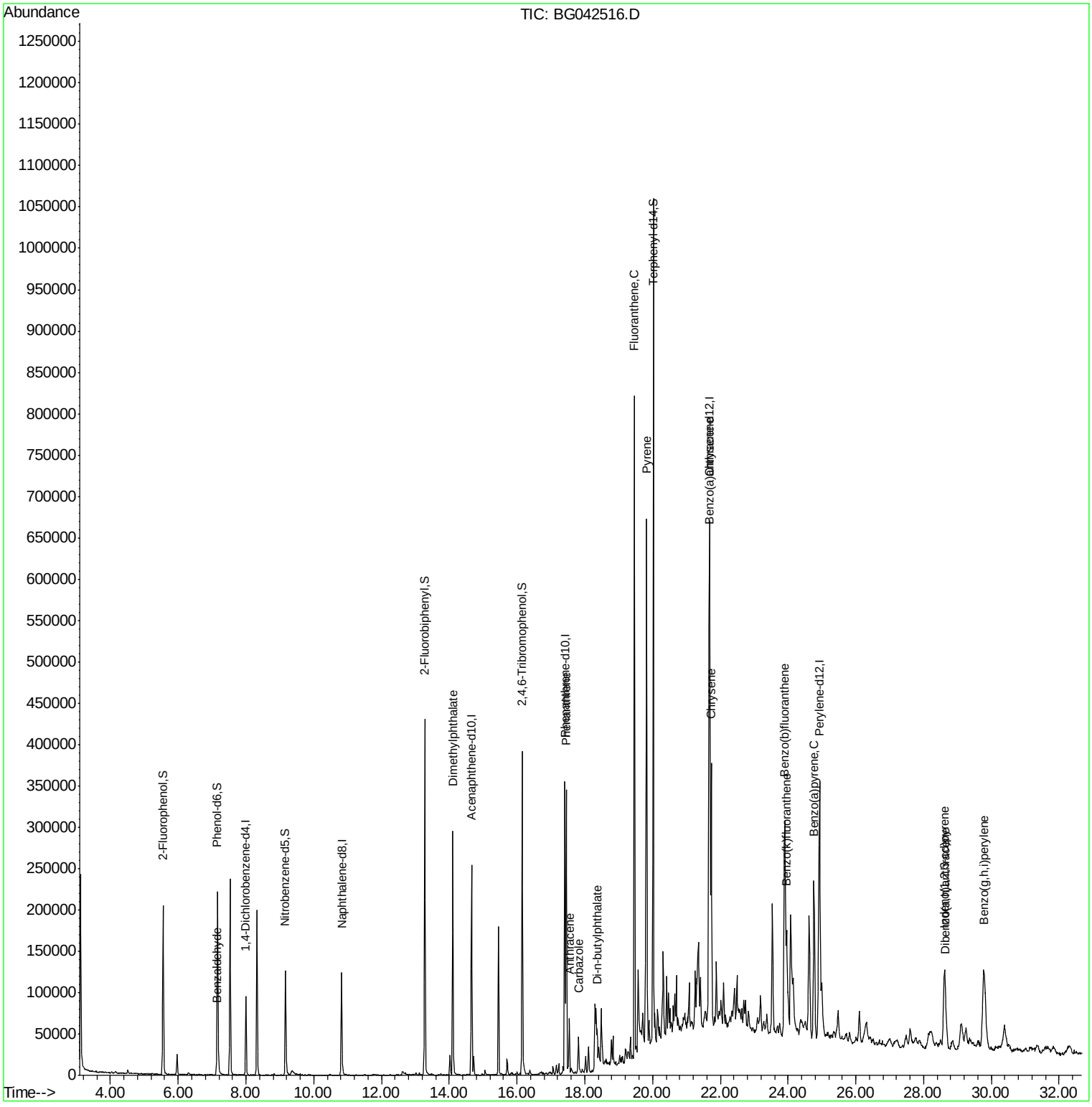
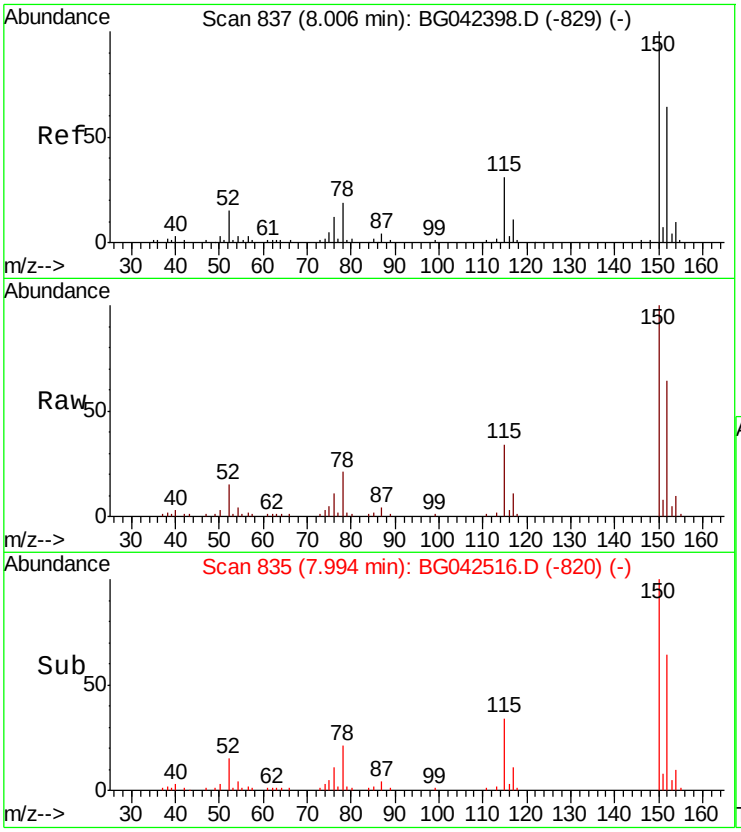


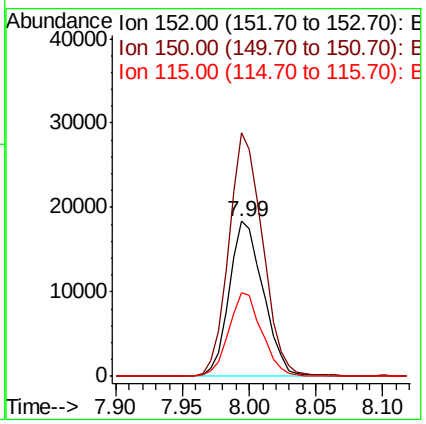


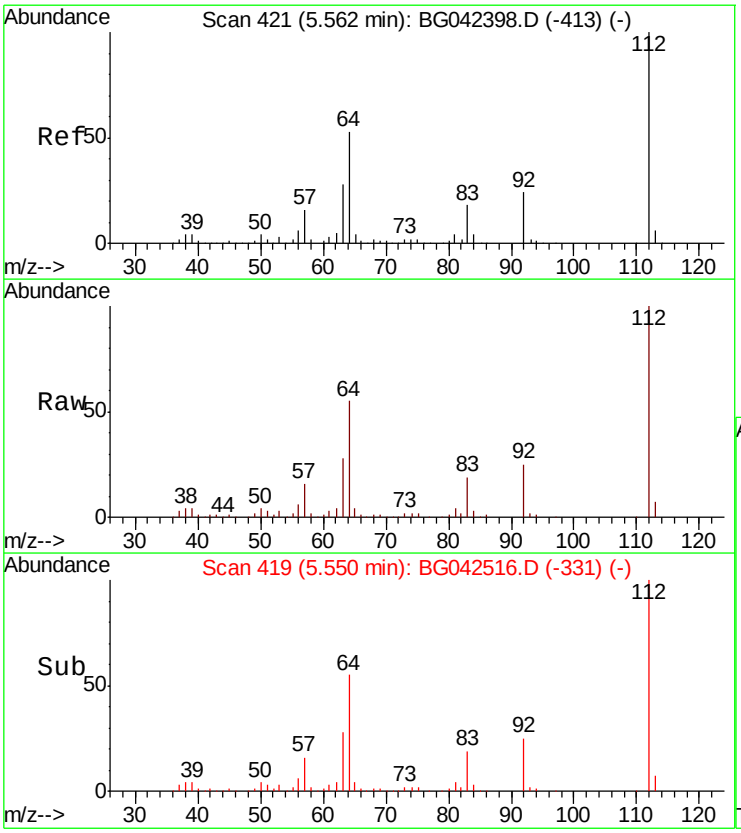
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 32710

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.4	188.0
115	53.9	38.5	57.7

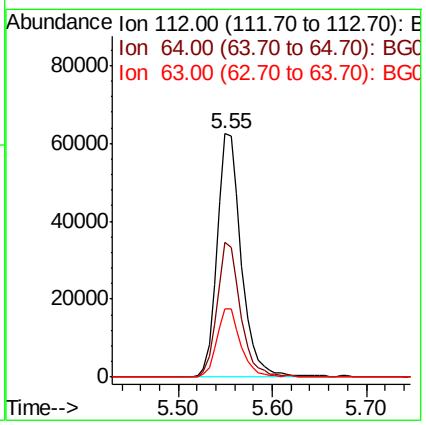


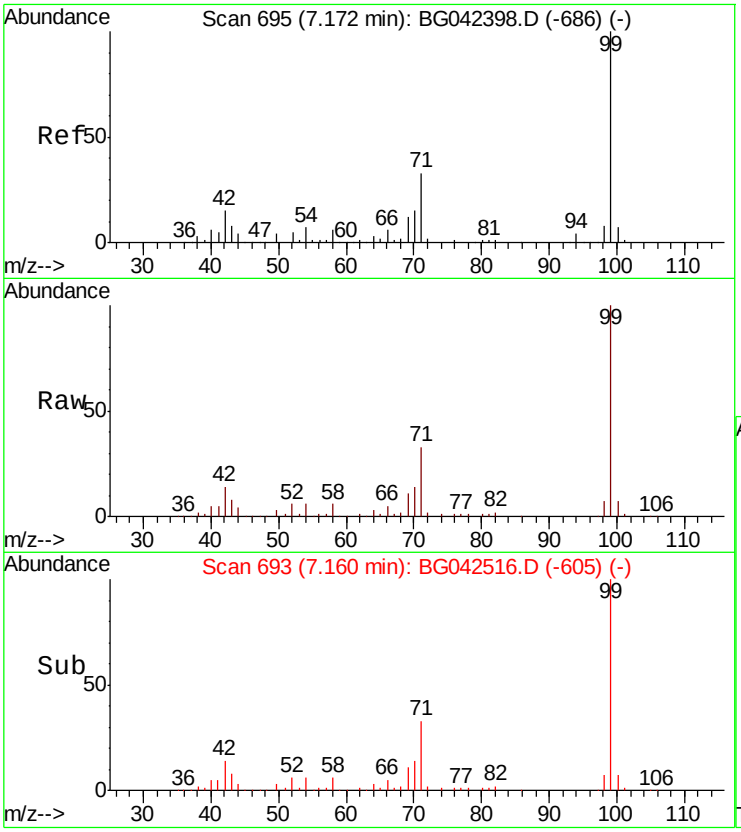


#5
2-Fluorophenol
Concen: 69.397 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:112 Resp: 112082

Ion	Ratio	Lower	Upper
112	100		
64	55.4	42.8	64.2
63	28.2	22.7	34.1



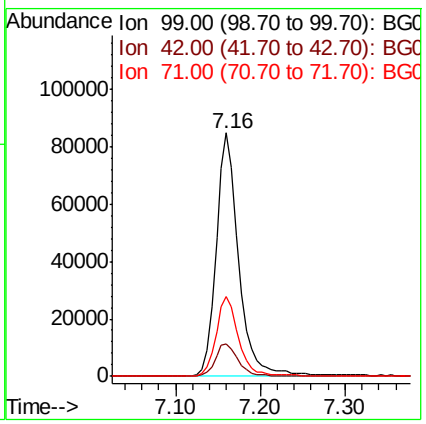


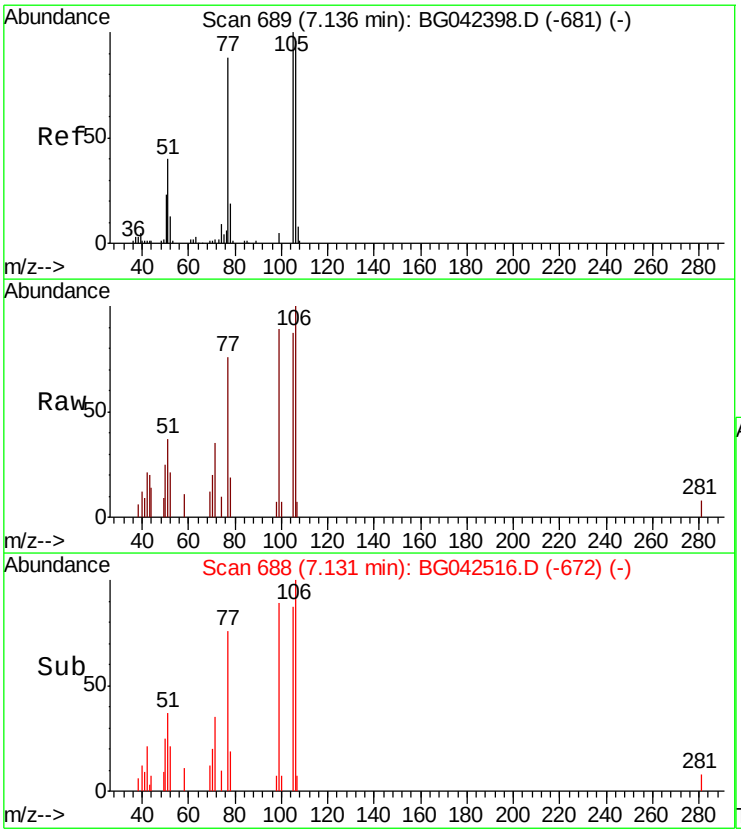
#7
Phenol-d6
Concen: 71.997 ng
RT: 7.16 min Scan# 693
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 99 Resp: 157068

Ion	Ratio	Lower	Upper
99	100		
42	13.5	12.0	18.0
71	32.6	26.3	39.5

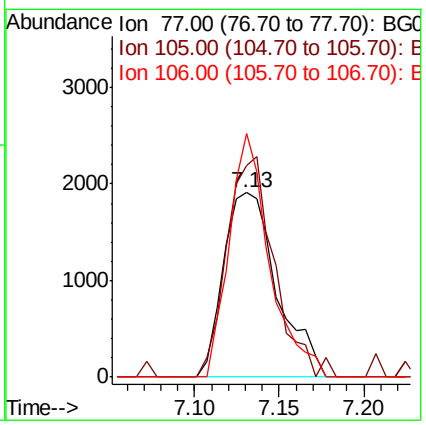


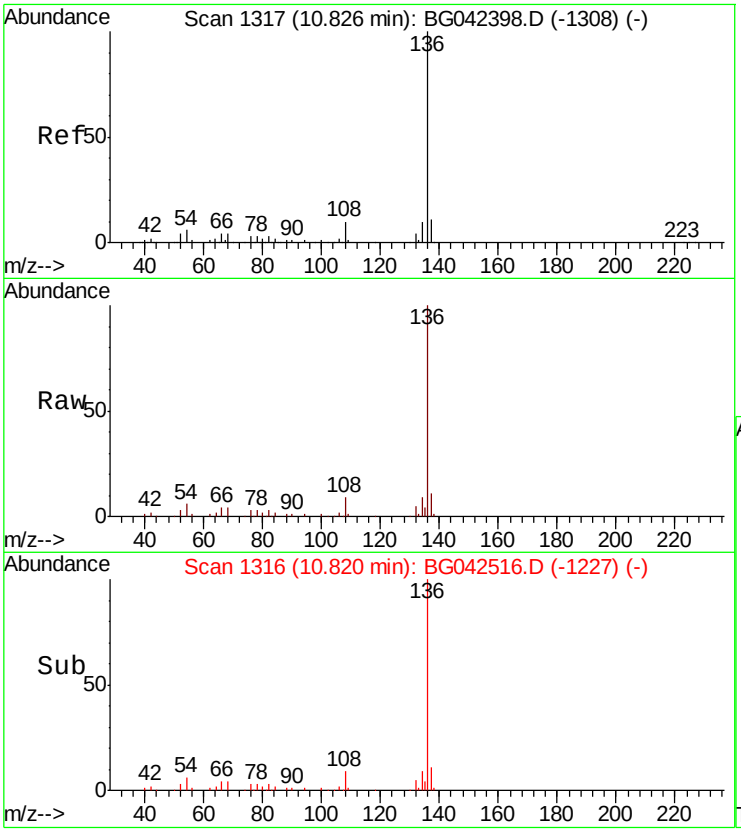


#9
Benzaldehyde
Concen: 3.858 ng
RT: 7.13 min Scan# 688
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion: 77 Resp: 4214

Ion	Ratio	Lower	Upper
77	100		
105	115.1	93.4	133.4
106	132.2	88.4	128.4#



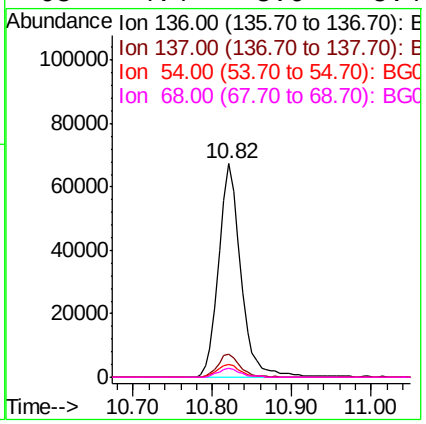


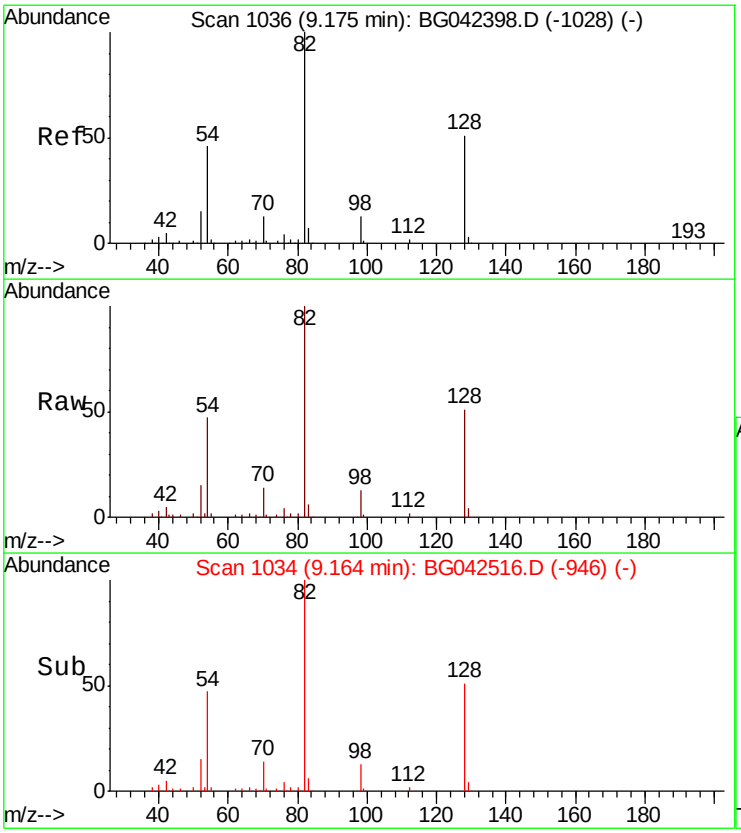
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:136 Resp: 130994

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	6.0	4.9	7.3
68	4.4	3.6	5.4

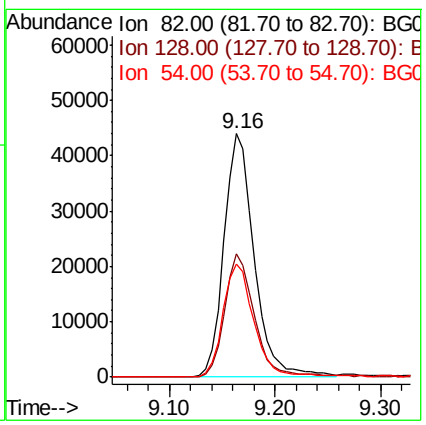


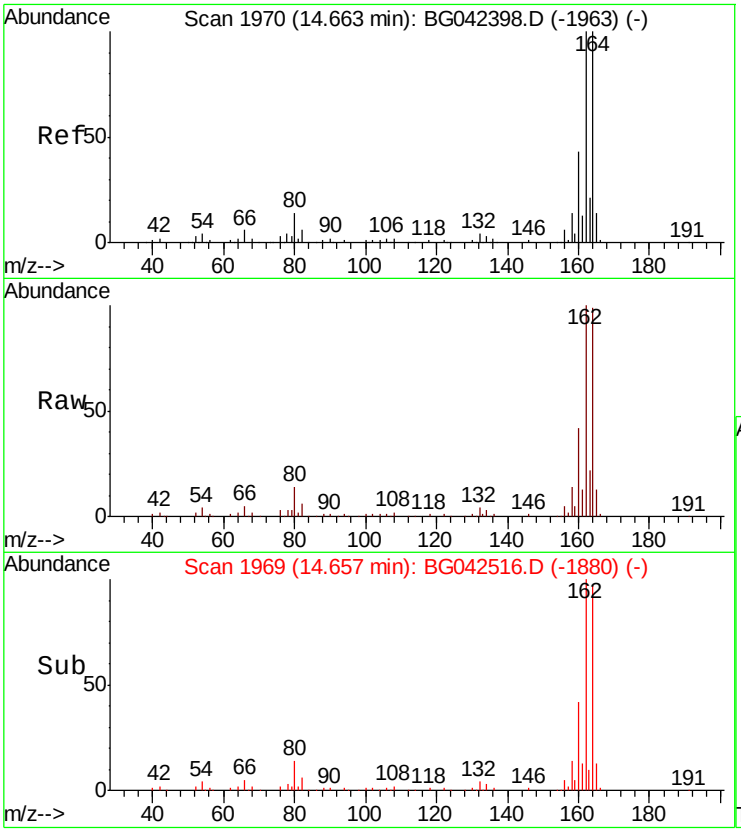


#23
Nitrobenzene-d5
Concen: 45.944 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion: 82 Resp: 87092

Ion	Ratio	Lower	Upper
82	100		
128	50.8	40.7	61.1
54	46.6	36.3	54.5



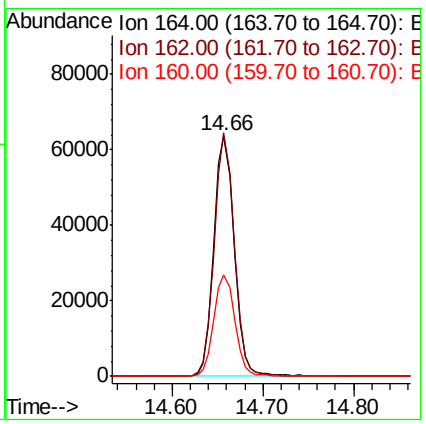


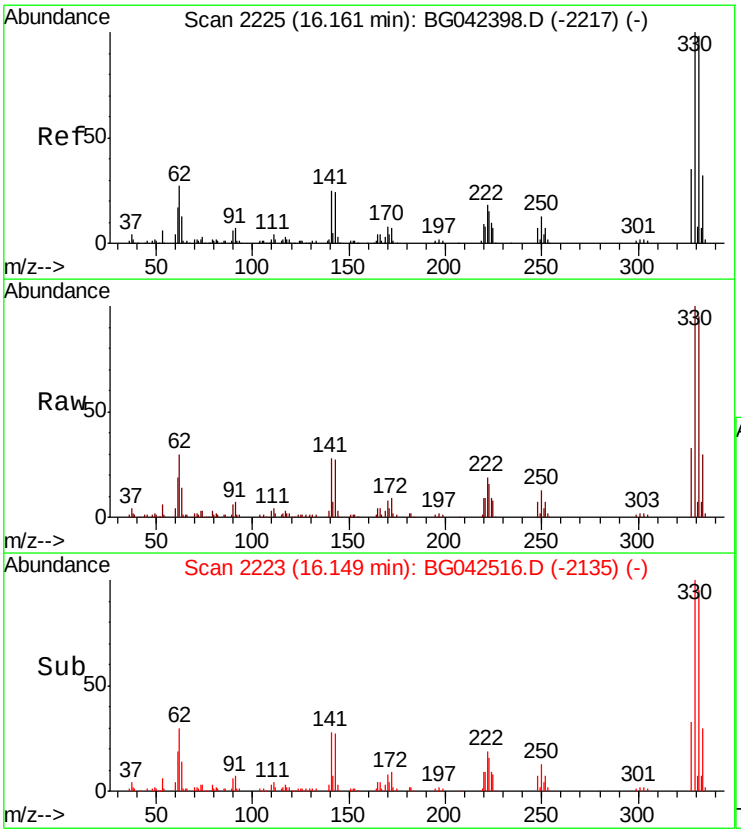
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:164 Resp: 99348

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.9	119.9
160	42.2	34.3	51.5

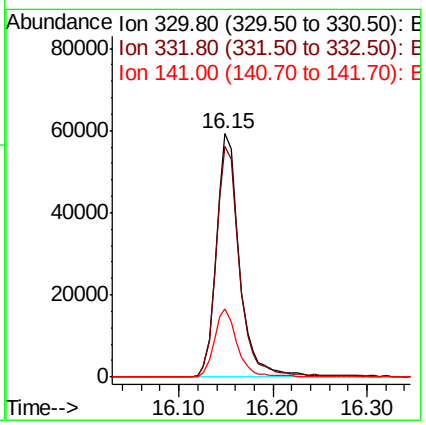


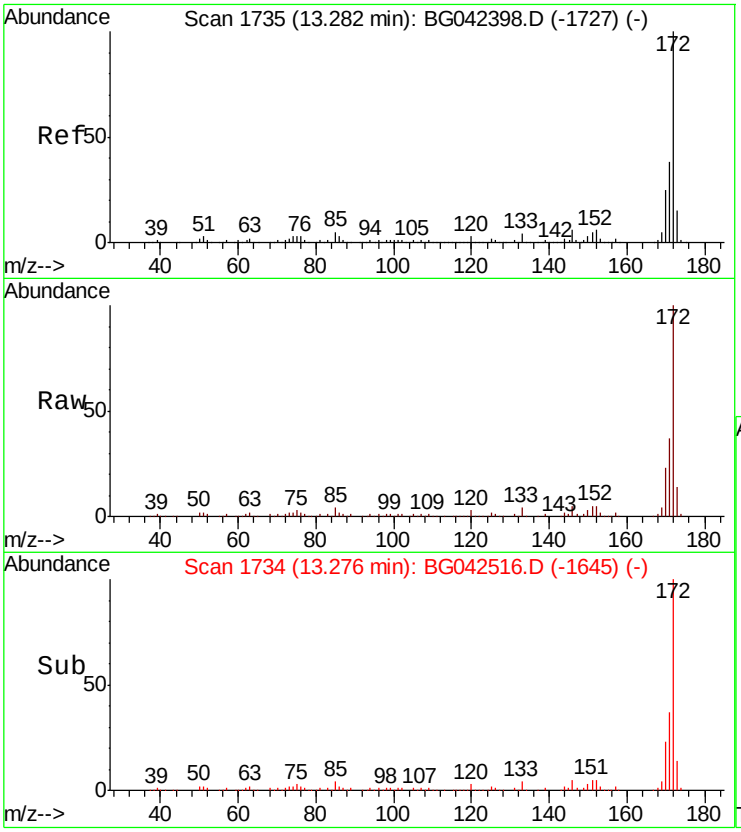


#42
2,4,6-Tribromophenol
Concen: 72.166 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:330 Resp: 101903

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	27.7	21.4	32.0



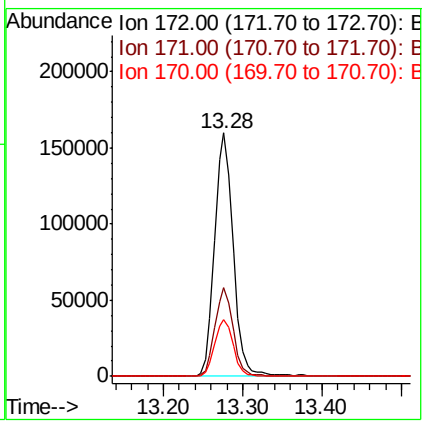


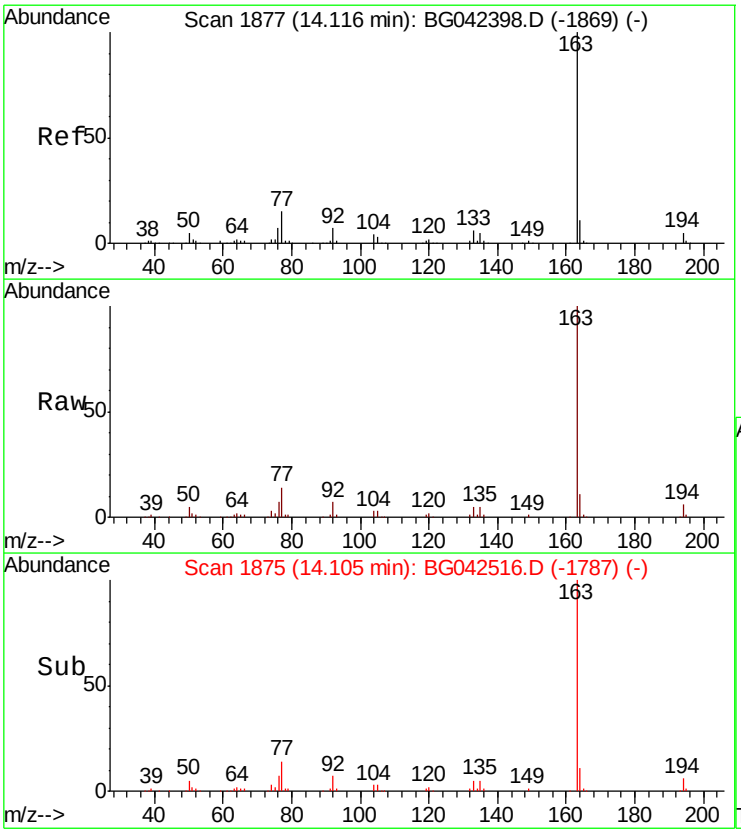
#45
2-Fluorobiphenyl
Concen: 44.446 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:172 Resp: 261079

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	23.1	20.2	30.2

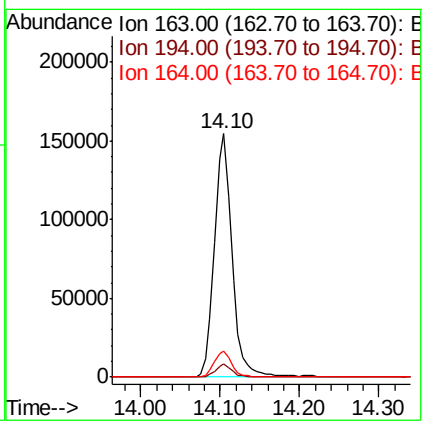


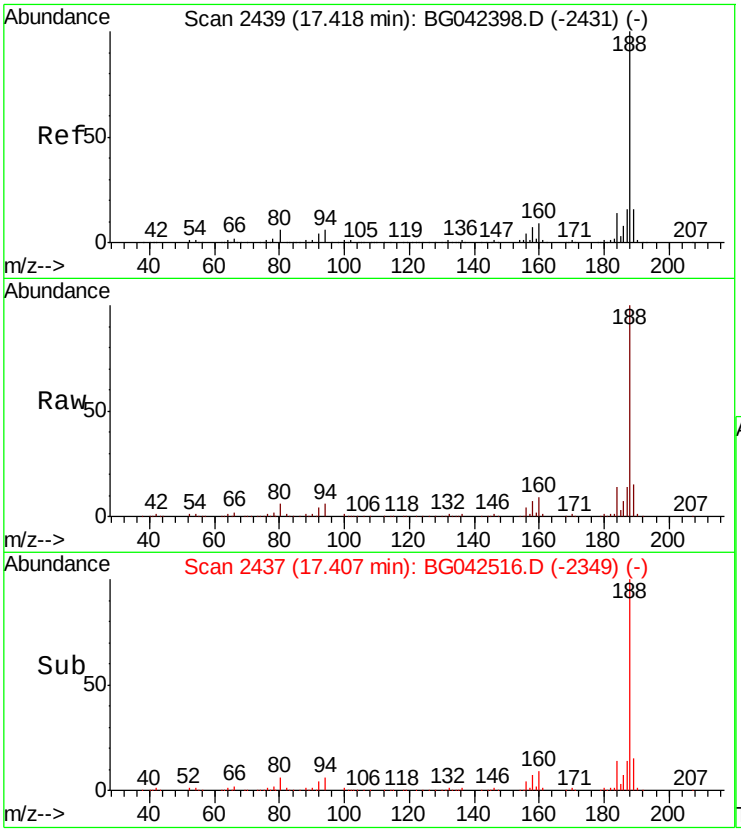


#50
Dimethylphthalate
Concen: 33.446 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:163 Resp: 239749

Ion	Ratio	Lower	Upper
163	100		
194	5.5	4.2	6.2
164	10.6	8.8	13.2



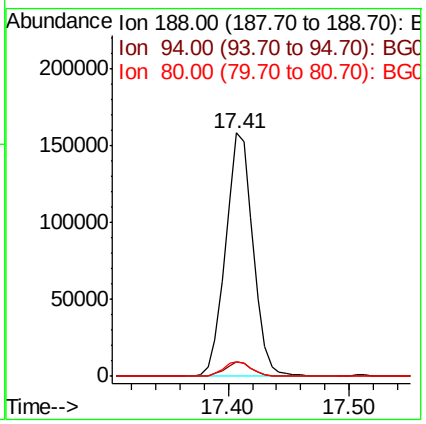


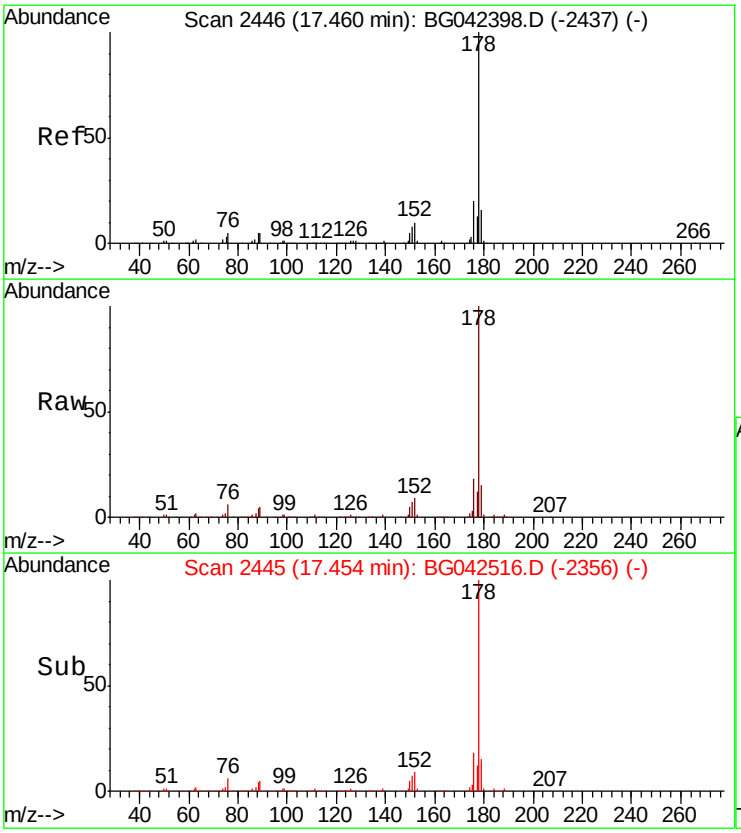
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:188 Resp: 249641

Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.5	6.7
80	5.9	4.9	7.3

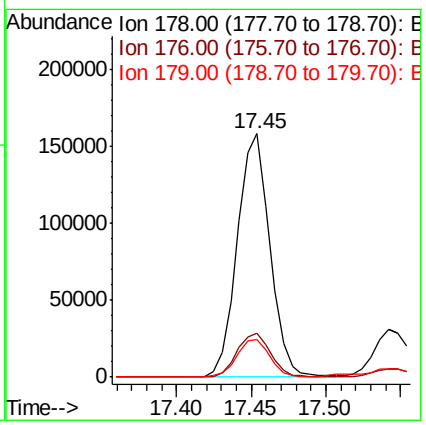


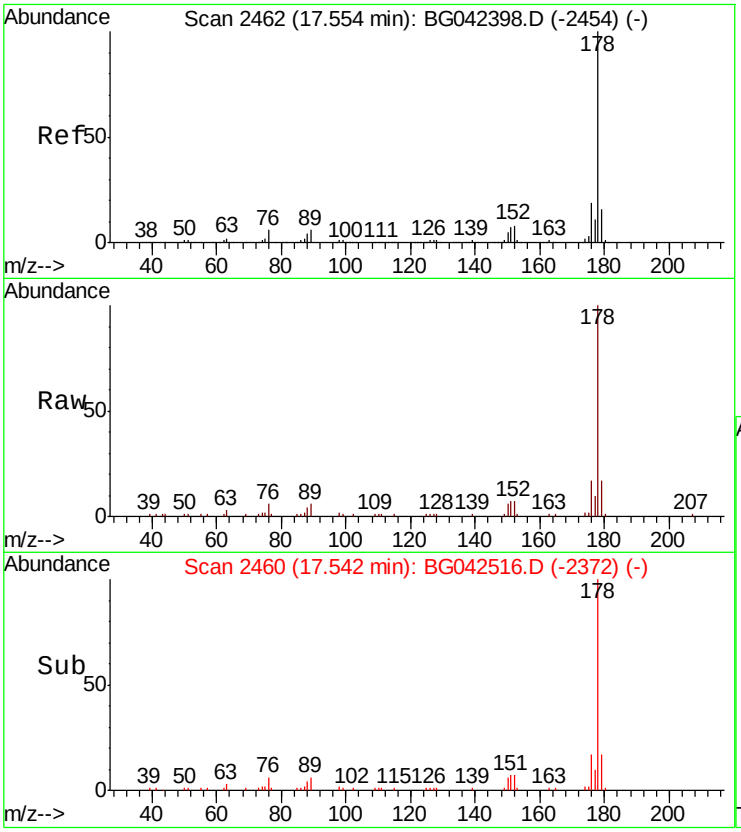


#71
Phenanthrene
Concen: 19.315 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:178 Resp: 239507

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.3	12.7	19.1



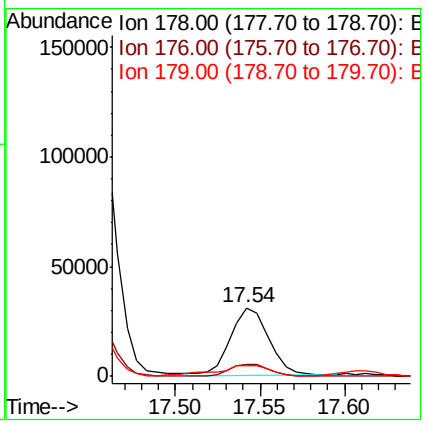


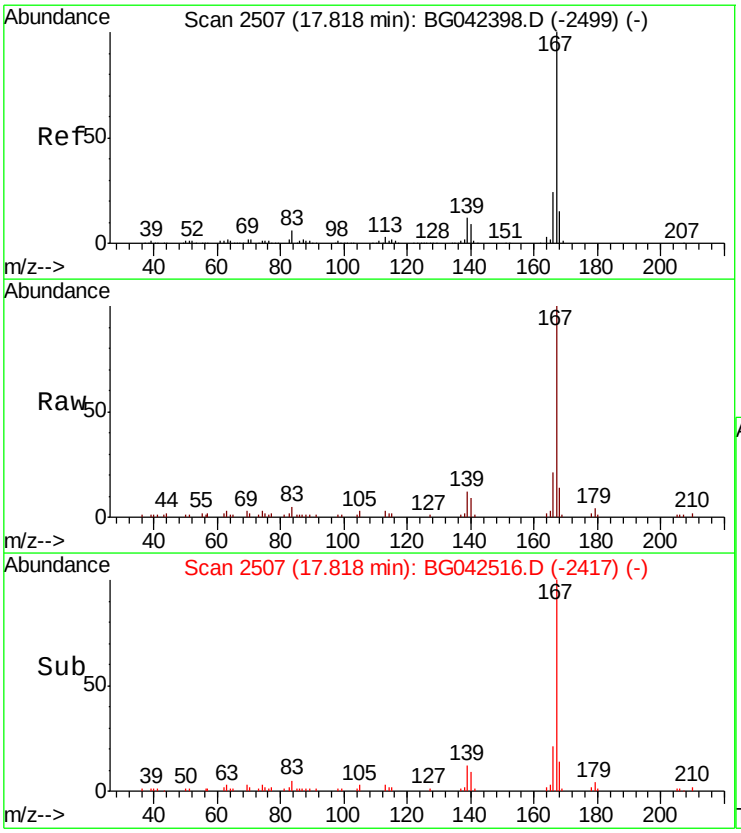
#72
Anthracene
Concen: 3.907 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:178 Resp: 48363

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	16.5	12.9	19.3

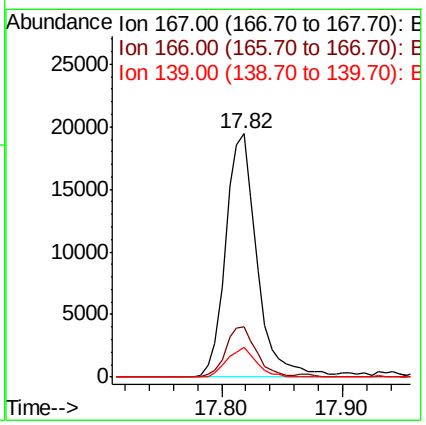


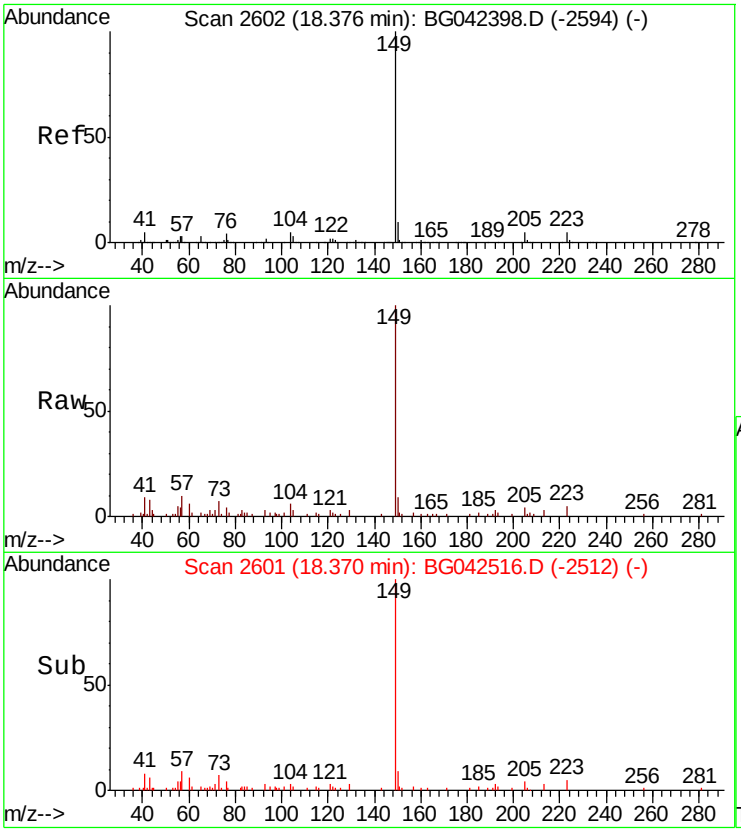


#73
Carbazole
Concen: 3.180 ng
RT: 17.82 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:167 Resp: 35079

Ion	Ratio	Lower	Upper
167	100		
166	20.5	18.9	28.3
139	12.1	9.8	14.6



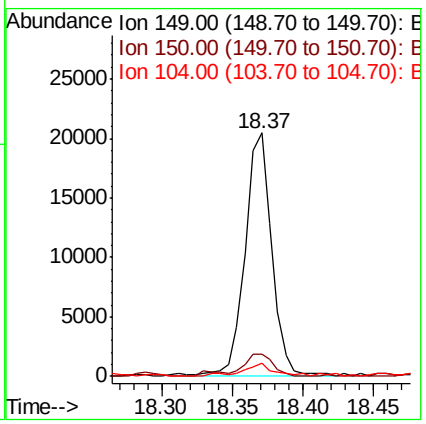


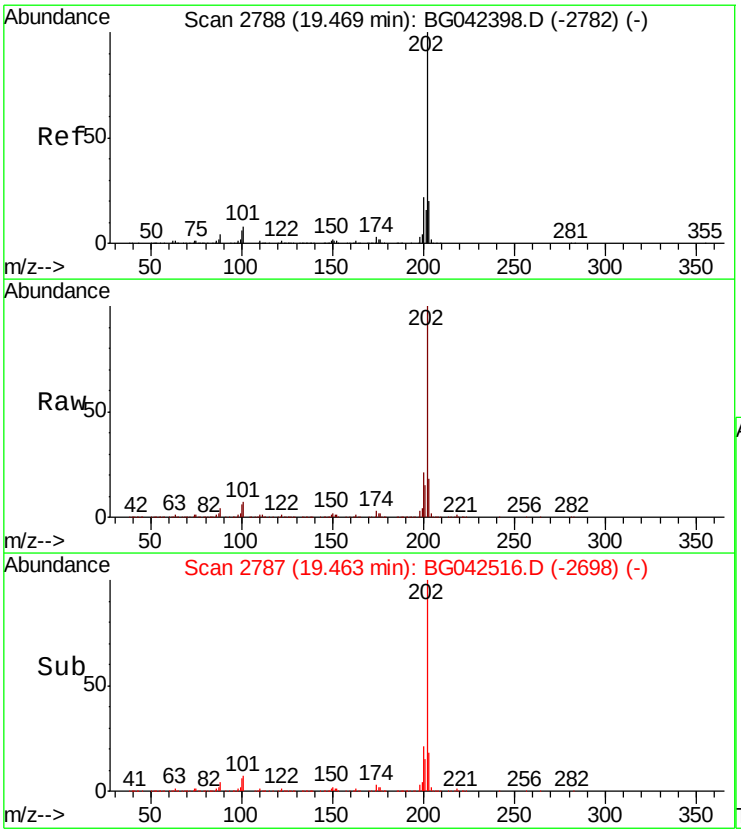
#74
Di-n-butylphthalate
Concen: 2.094 ng
RT: 18.37 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 27305

Ion	Ratio	Lower	Upper
149	100		
150	8.9	8.1	12.1
104	5.5	3.7	5.5#

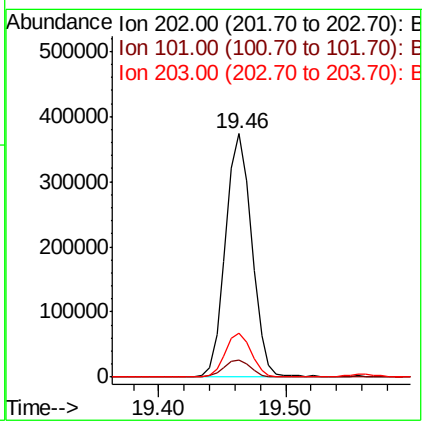


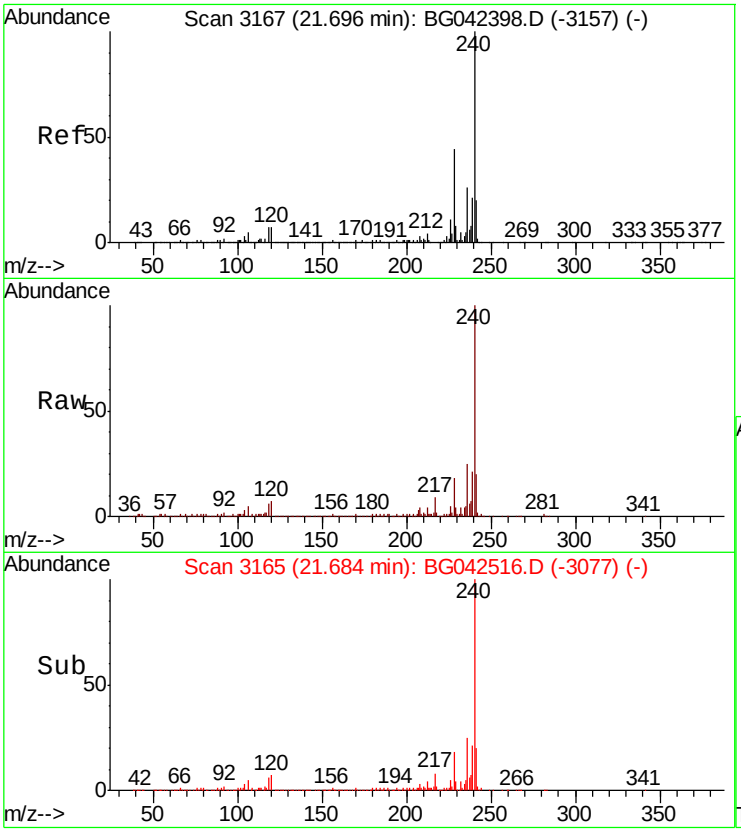


#75
Fluoranthene
Concen: 35.179 ng
RT: 19.46 min Scan# 2787
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:202 Resp: 532372

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	28.3
203	18.2	0.0	39.6



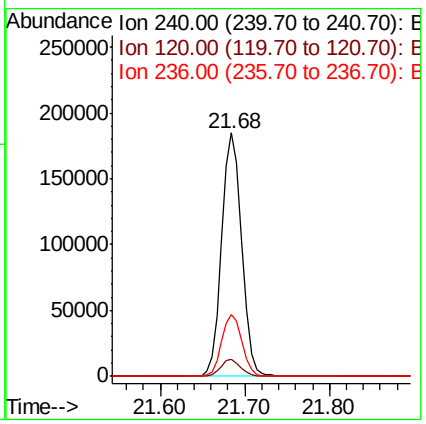


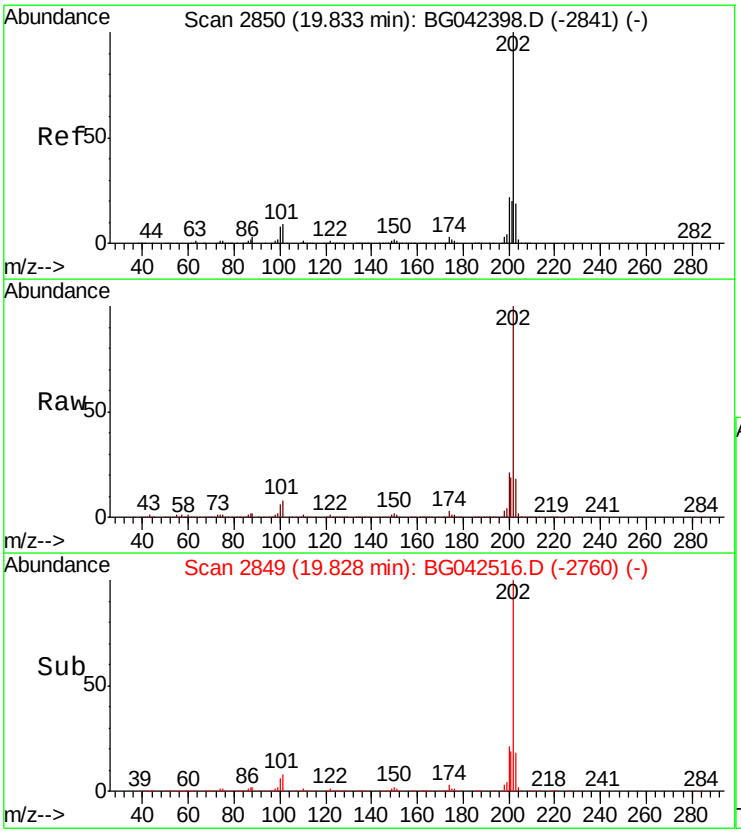
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:240 Resp: 302256

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	25.2	21.0	31.4

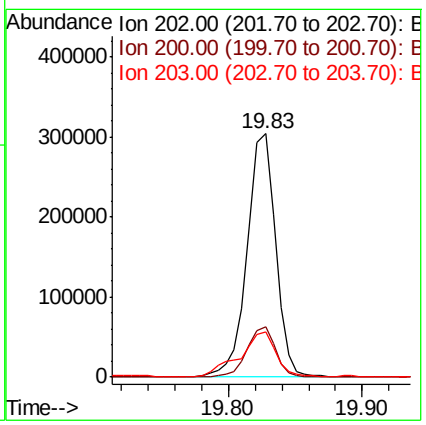


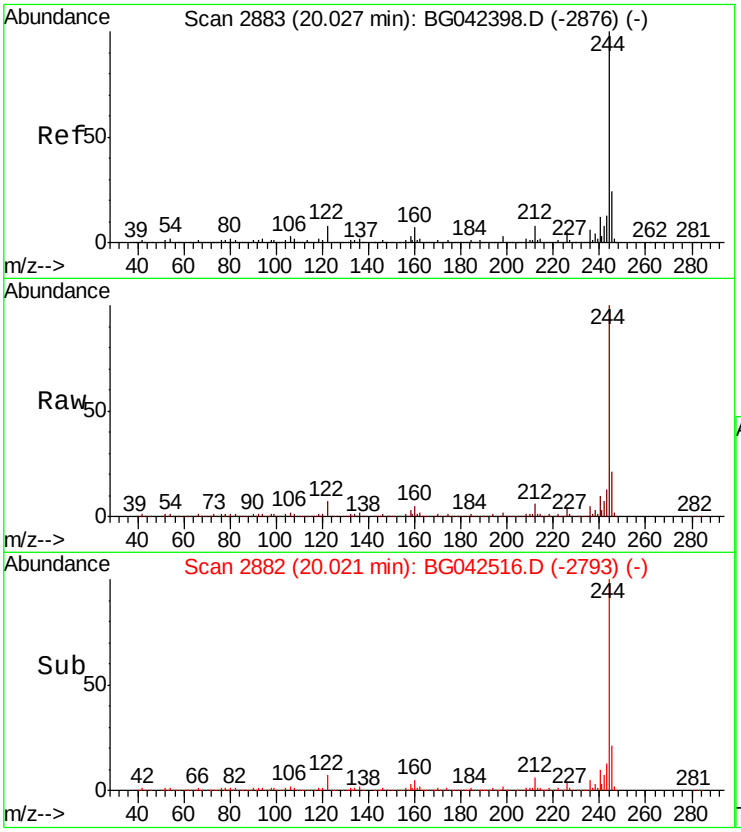


#78
Pyrene
Concen: 24.105 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:202 Resp: 446685

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	18.4	15.5	23.3



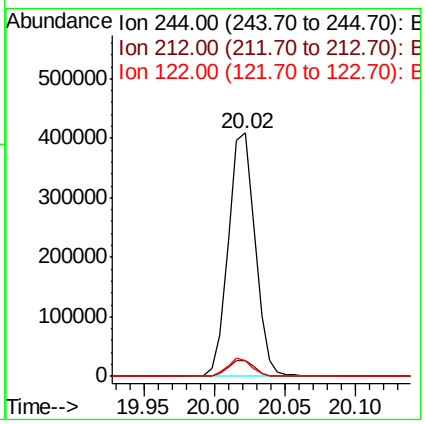


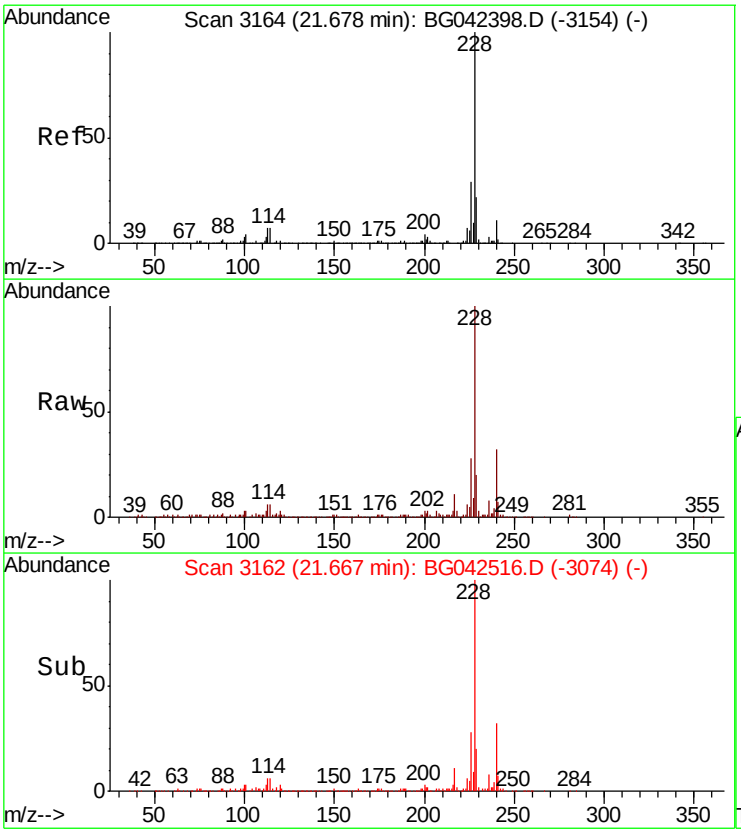
#79
Terphenyl-d14
Concen: 38.644 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:244 Resp: 540283

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	6.6	6.7	10.1#

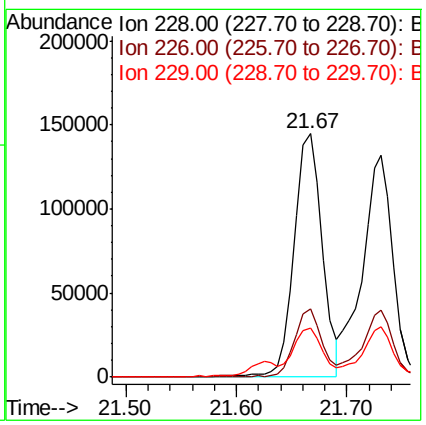


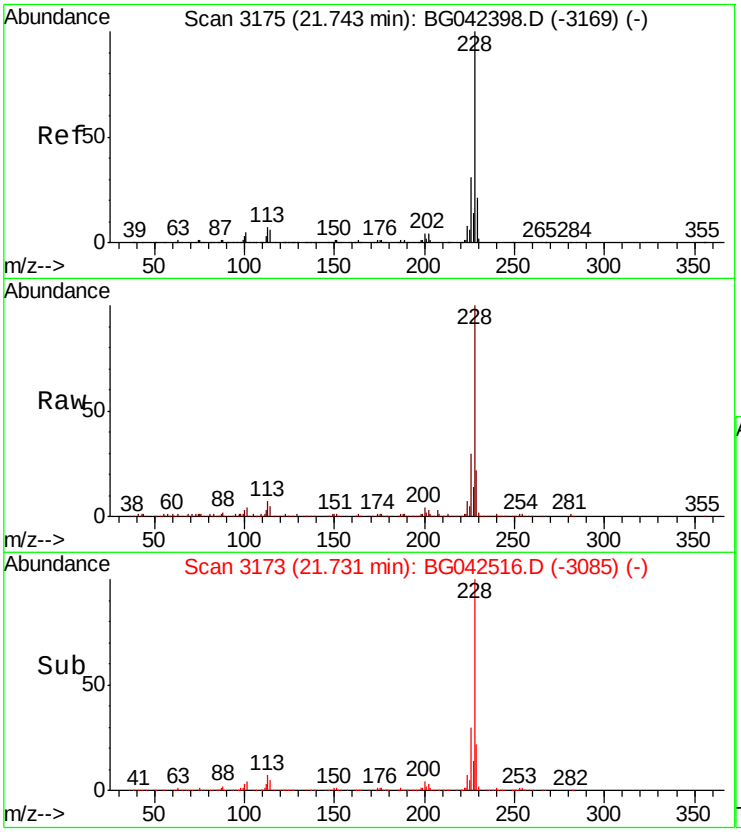


#81
Benzo(a)anthracene
Concen: 13.633 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:228 Resp: 250669

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.2
229	20.4	17.4	26.2



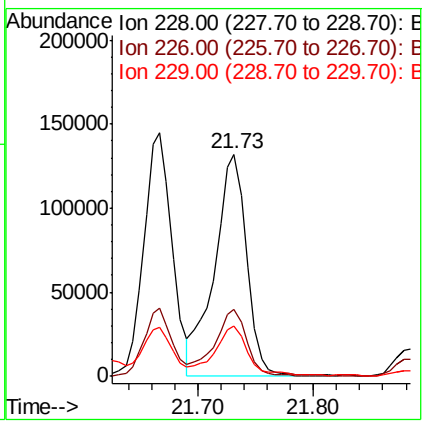


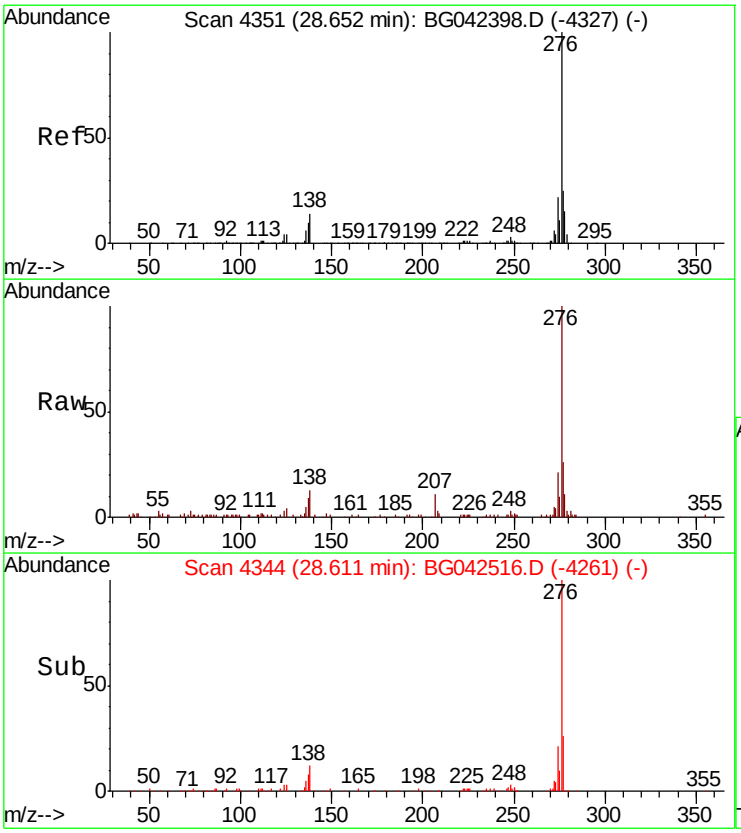
#83
Chrysene
Concen: 14.395 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:228 Resp: 255264

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.4	16.9	25.3

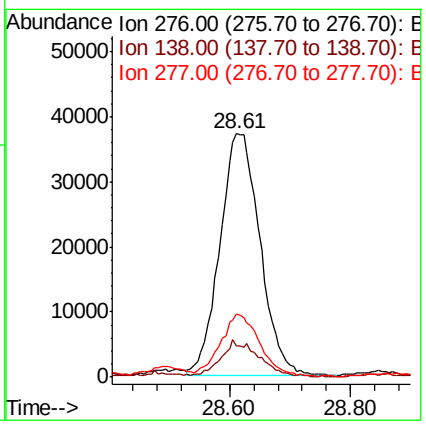


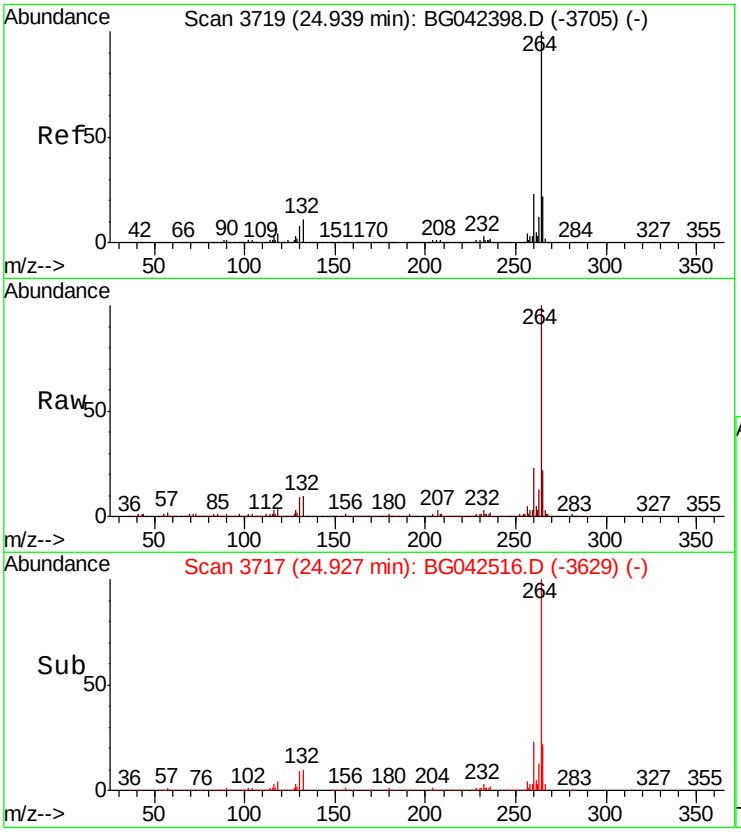


#86
Indeno(1,2,3-cd)pyrene
Concen: 7.093 ng
RT: 28.61 min Scan# 4344
Delta R.T. -0.04 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:276 Resp: 170930

Ion	Ratio	Lower	Upper
276	100		
138	12.9	9.2	13.8
277	26.0	21.0	31.6



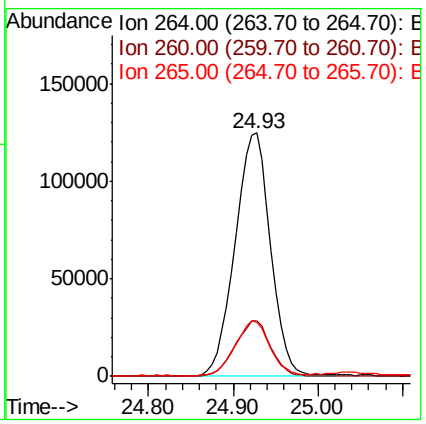


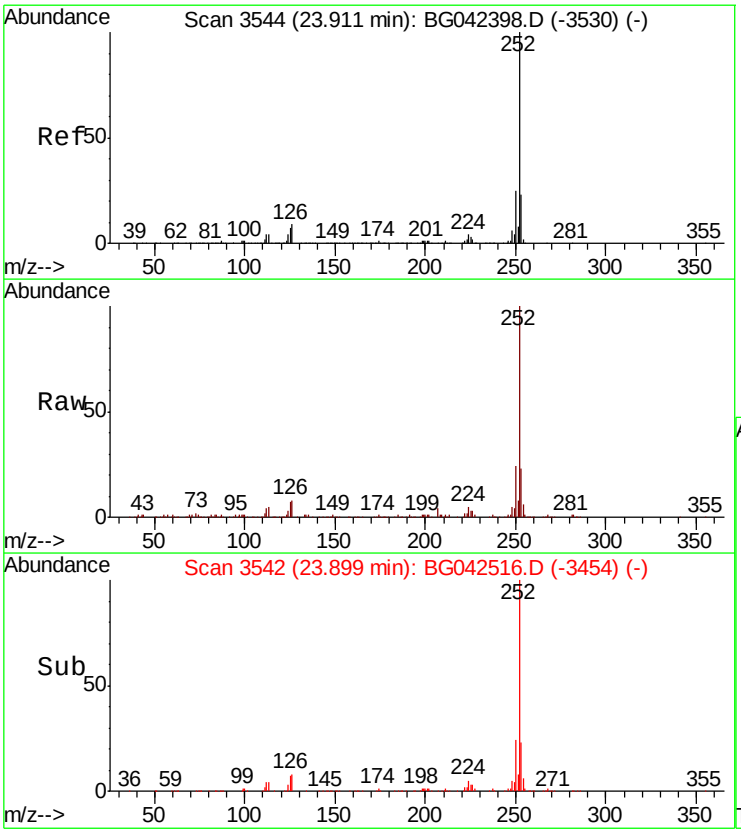
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 363157

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	22.4	17.6	26.4

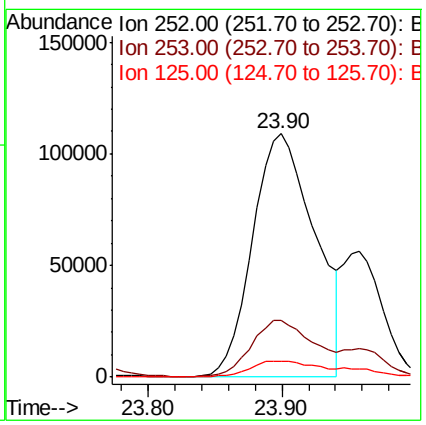


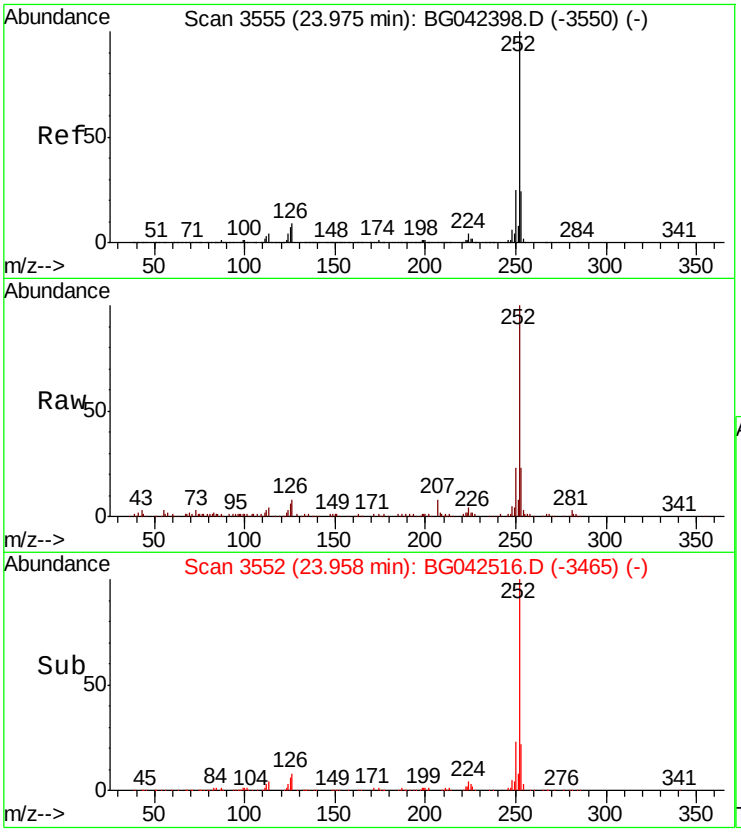


#88
Benzo(b)fluoranthene
Concen: 17.603 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:252 Resp: 351440

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	6.7	5.6	8.4



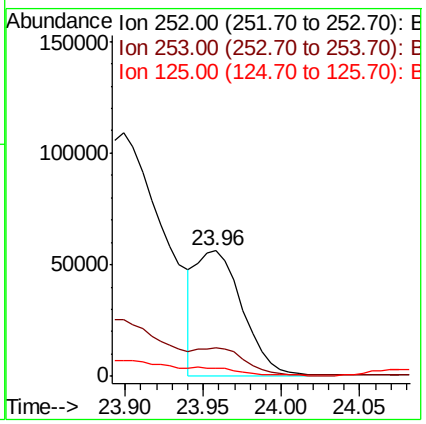


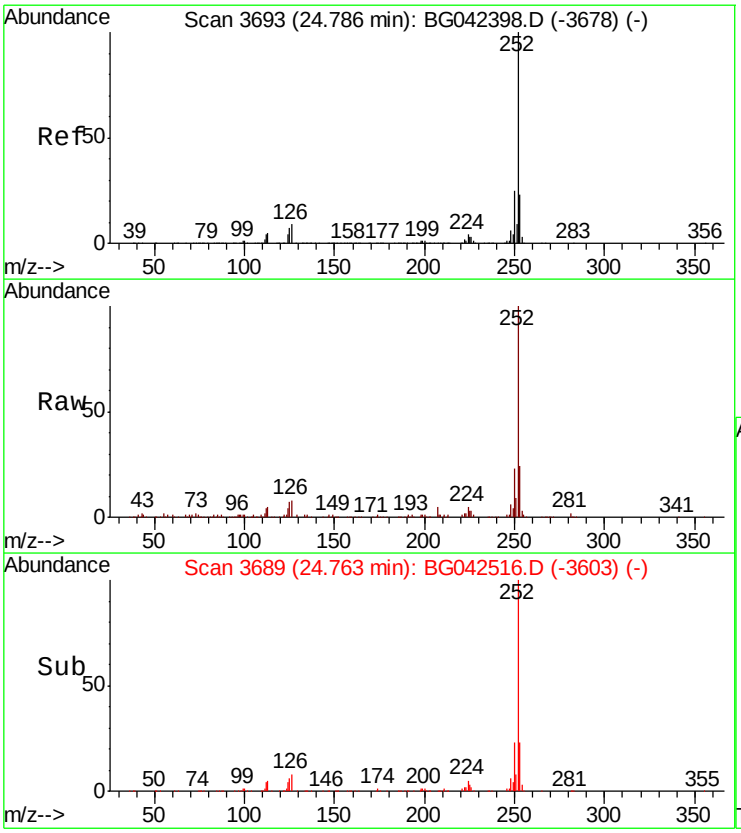
#89
Benzo(k)fluoranthene
Concen: 6.104 ng m
RT: 23.96 min Scan# 3552
Delta R.T. -0.02 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 117138

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	27.8
125	6.4	5.8	8.6

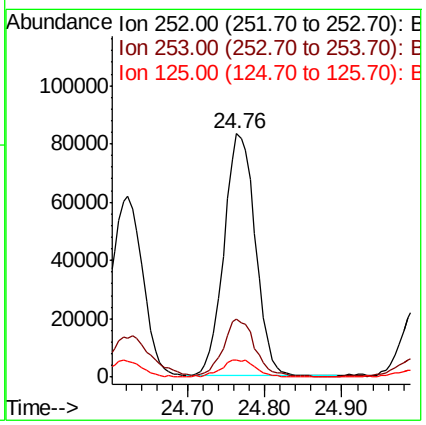


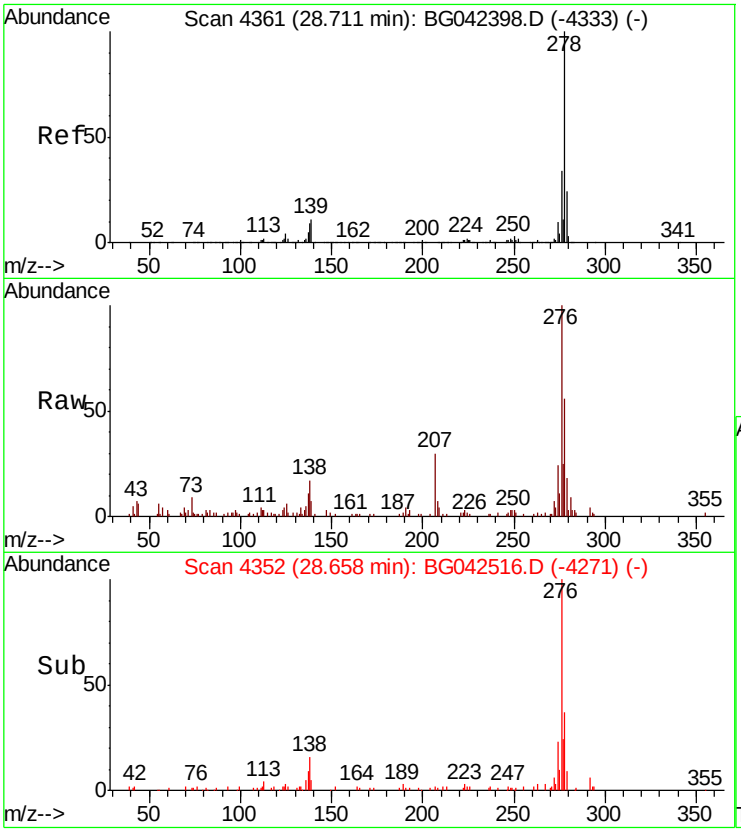


#90
Benzo(a)pyrene
Concen: 12.445 ng
RT: 24.76 min Scan# 3689
Delta R.T. -0.02 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:252 Resp: 235780

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	6.8	6.0	9.0



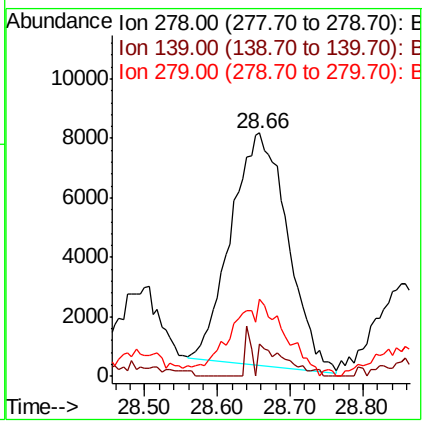


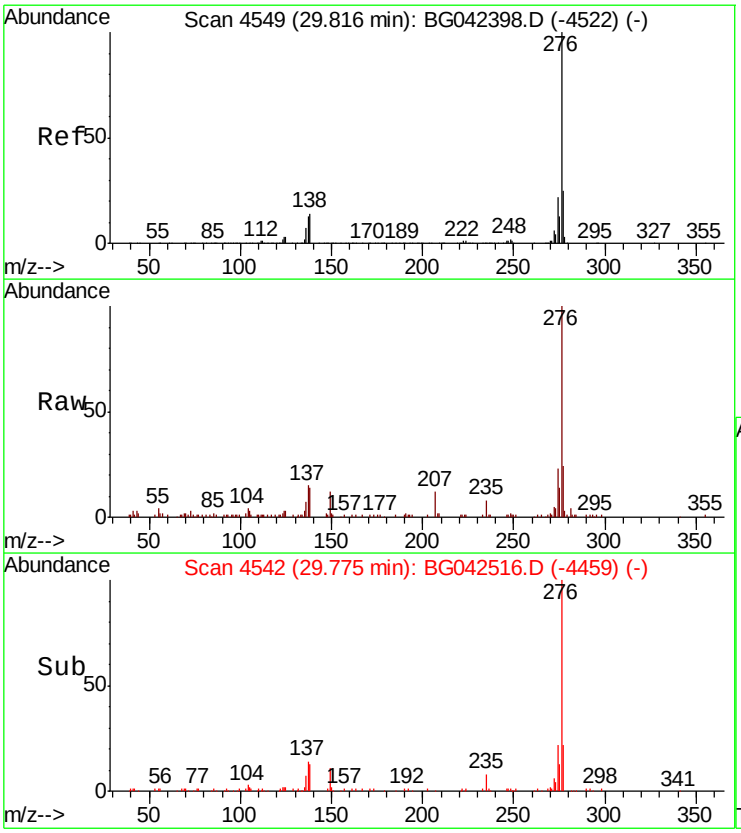
#91
Dibenzo(a,h)anthracene
Concen: 2.201 ng m
RT: 28.66 min Scan# 4352
Delta R.T. -0.05 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:278 Resp: 42227

Ion	Ratio	Lower	Upper
278	100		
139	13.3	8.8	13.2#
279	31.8	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 8.886 ng
RT: 29.77 min Scan# 4542
Delta R.T. -0.04 min
Lab File: BG042516.D
Acq: 27 Aug 2019 22:43

Tgt Ion:276 Resp: 170473

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.8
138	14.2	11.4	17.0