Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
Data File : BG042485.D
Acq On : 25 Aug 2019 19:37
Operator : HP/JU
Sample : K4493-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : T9-12-13-H-(0-1.9)

Quant Time: Aug 26 08:34:42 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	8.00	152	47137	20.00	ng		0.00
21) Naphthalene-d8	10.82	136	187721	20.00	ng		0.00
39) Acenaphthene-d10	14.66	164	142474	20.00	ng		0.00
64) Phenanthrene-d10	17.41	188	340671	20.00	ng		0.00
76) Chrysene-d12	21.69	240	351149	20.00	ng		0.00
87) Perylene-d12	24.93	264	408517	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	369970	158.96	ng		0.00
7) Phenol-d6	7.17	99	506382	161.07	ng		0.00
23) Nitrobenzene-d5	9.17	82	287459	105.82	ng		0.00
42) 2,4,6-Tribromophenol	16.16	330	311582	153.87	ng		0.00
45) 2-Fluorobiphenyl	13.28	172	846982	100.54	ng		0.00
79) Terphenyl-d14	20.03	244	1431298	88.12	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	14.11	163	57794	5.622	ng		99
71) Phenanthrene	17.45	178	74326	4.392	ng		96
75) Fluoranthene	19.46	202	147586	7.146	ng		99
78) Pyrene	19.83	202	122567	5.693	ng		99
81) Benzo(a)anthracene	21.67	228	58249	2.727	ng		95
83) Chrysene	21.73	228	69037	3.351	ng		97
88) Benzo(b)fluoranthene	23.90	252	103704	4.618	ng	#	97
90) Benzo(a)pyrene	24.77	252	64414	3.023	ng	#	97
92) Benzo(g,h,i)perylene	29.78	276	52922	2.452	ng		99

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

Quantitation Report (LSC Reviewed)

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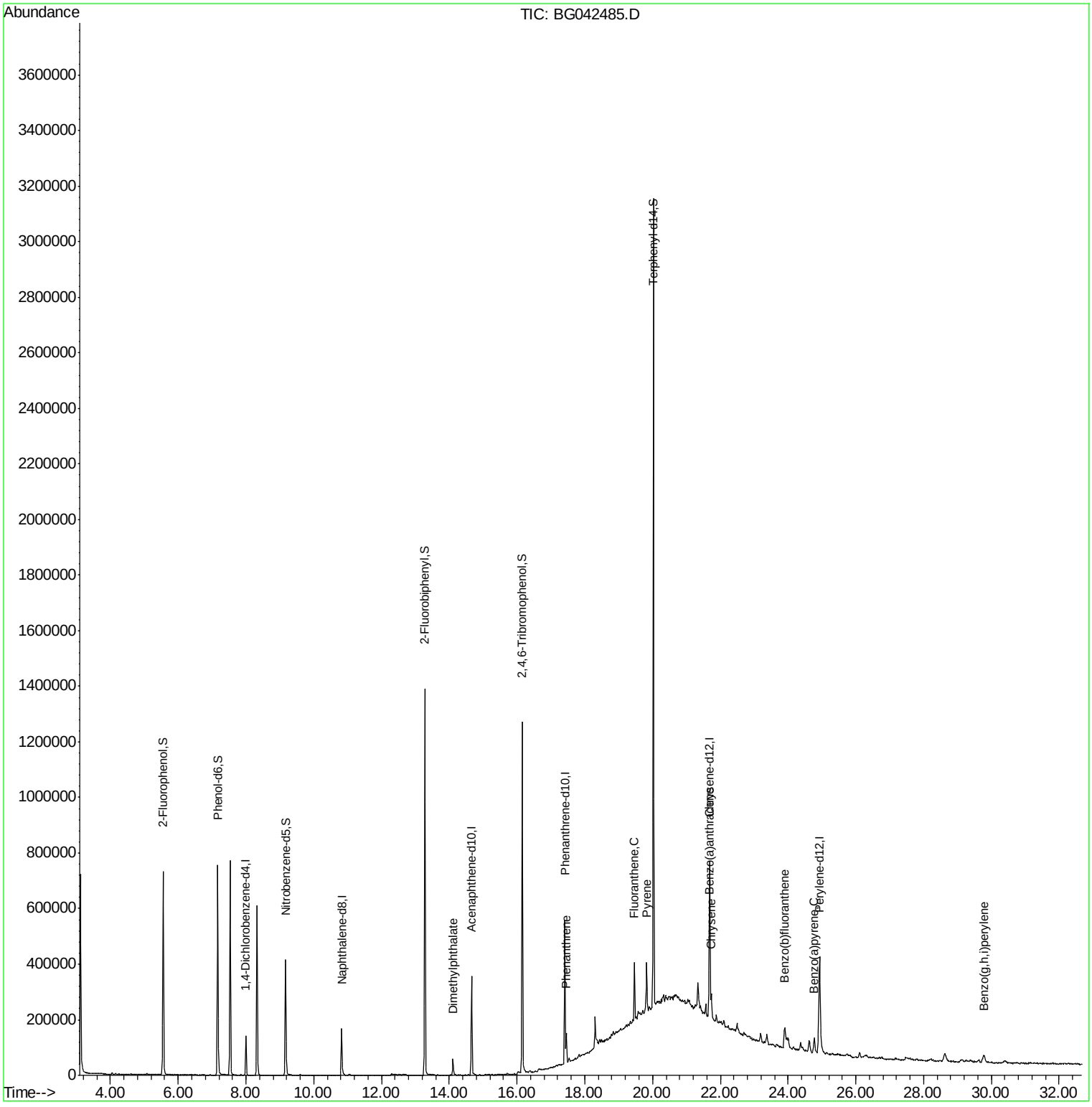
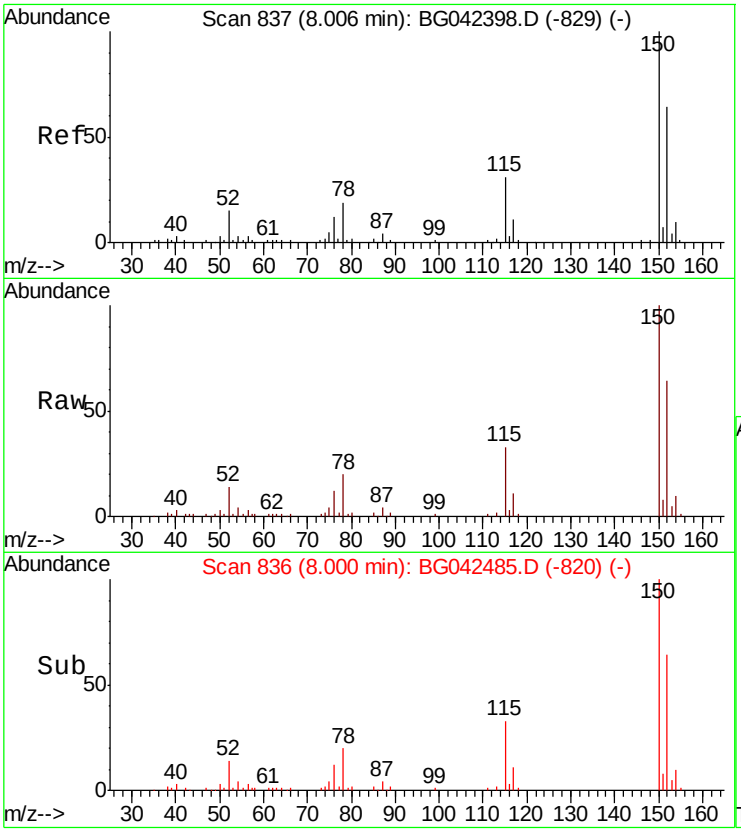
Acq On : 25 Aug 2019 19:37
Operator : HP/JU
Sample : K4493-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Quant Time: Aug 26 08:34:42 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



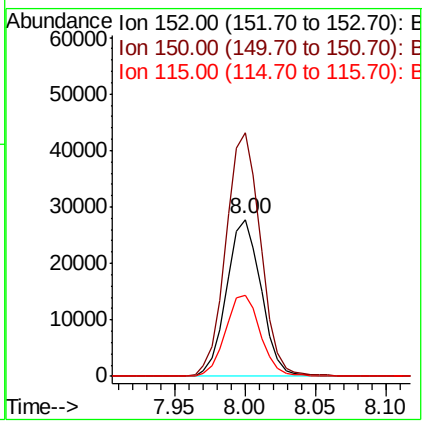


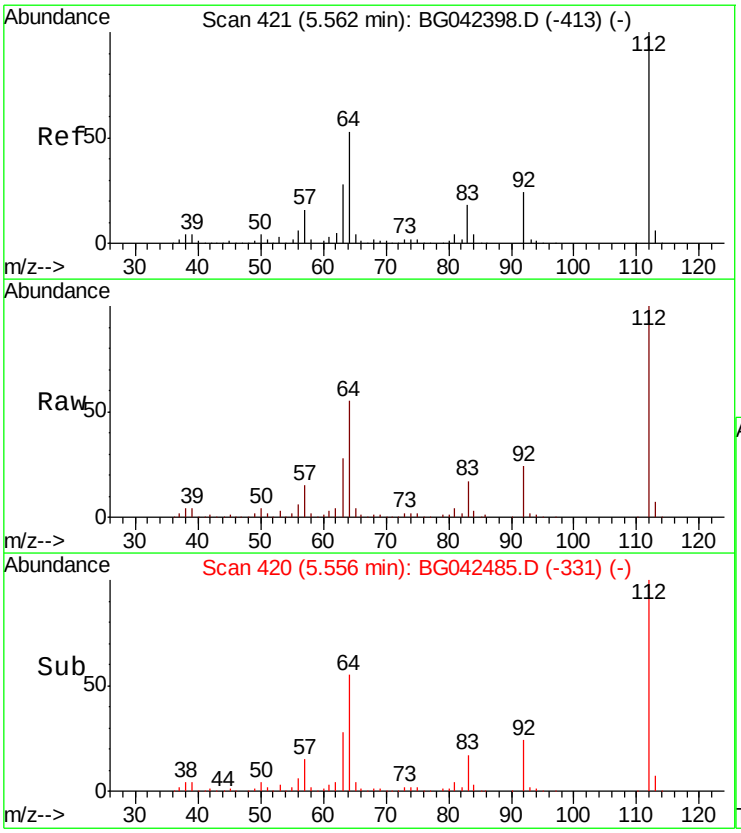
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:152 Resp: 47137

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.4	188.0
115	51.5	38.5	57.7

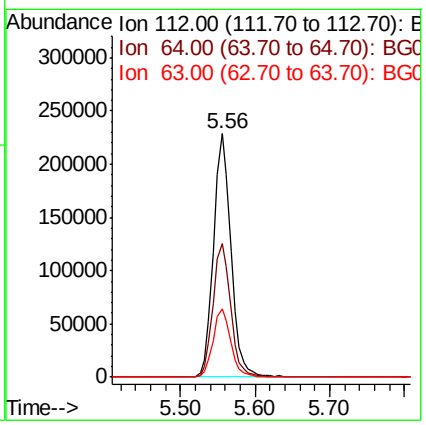


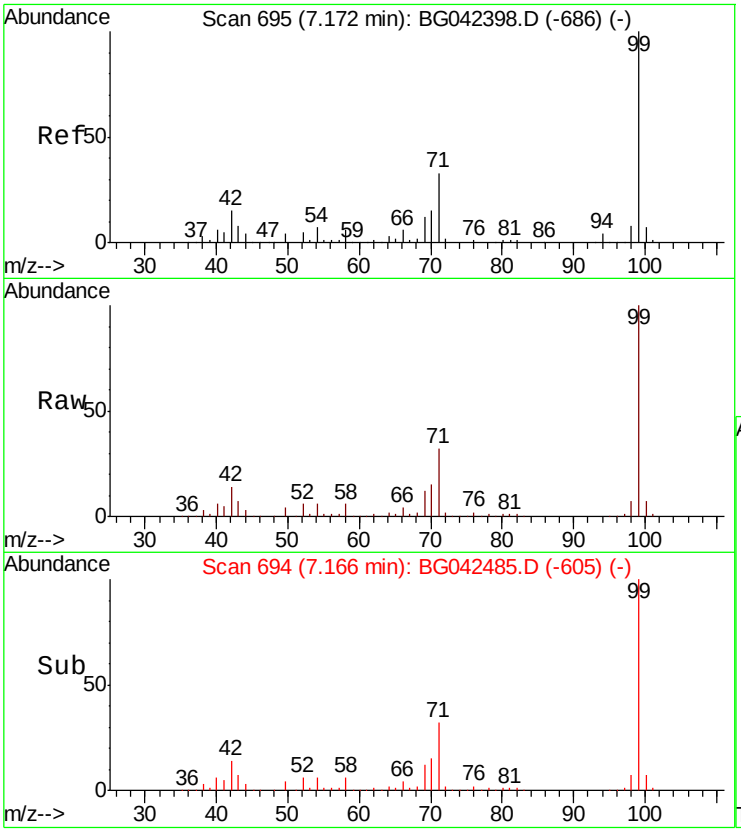


#5
2-Fluorophenol
Concen: 158.962 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:112 Resp: 369970

Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.8	64.2
63	27.9	22.7	34.1



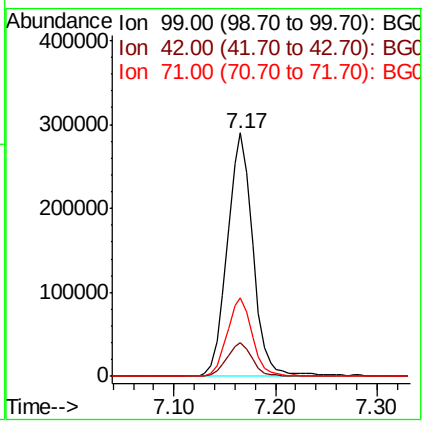


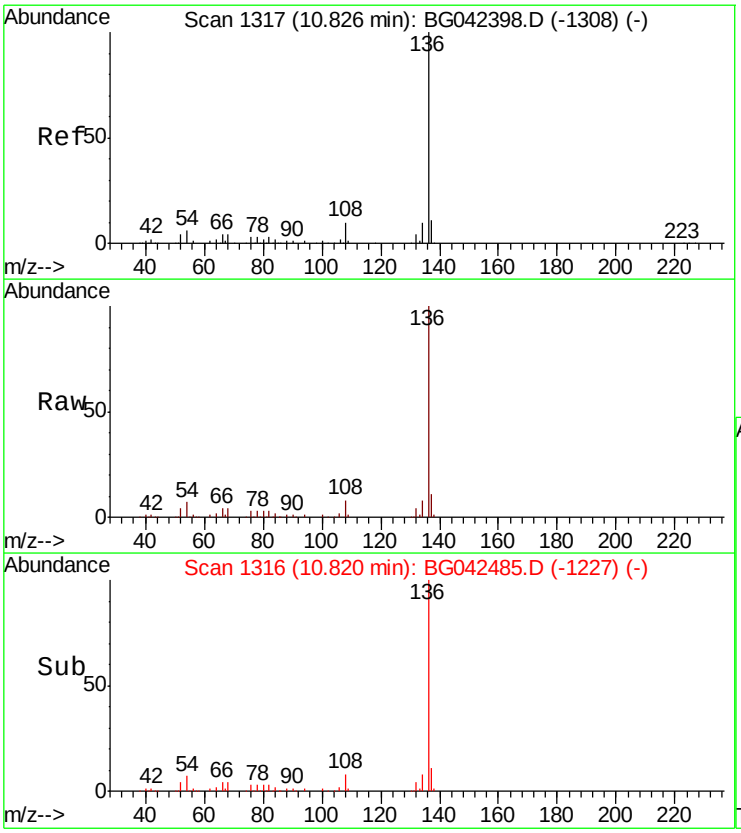
#7
Phenol-d6
Concen: 161.072 ng
RT: 7.17 min Scan# 694
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion: 99 Resp: 506382

Ion	Ratio	Lower	Upper
99	100		
42	14.1	12.0	18.0
71	32.5	26.3	39.5

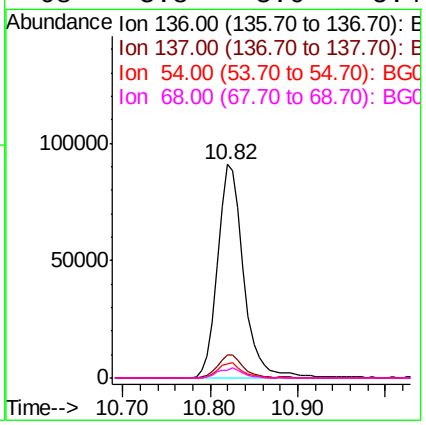


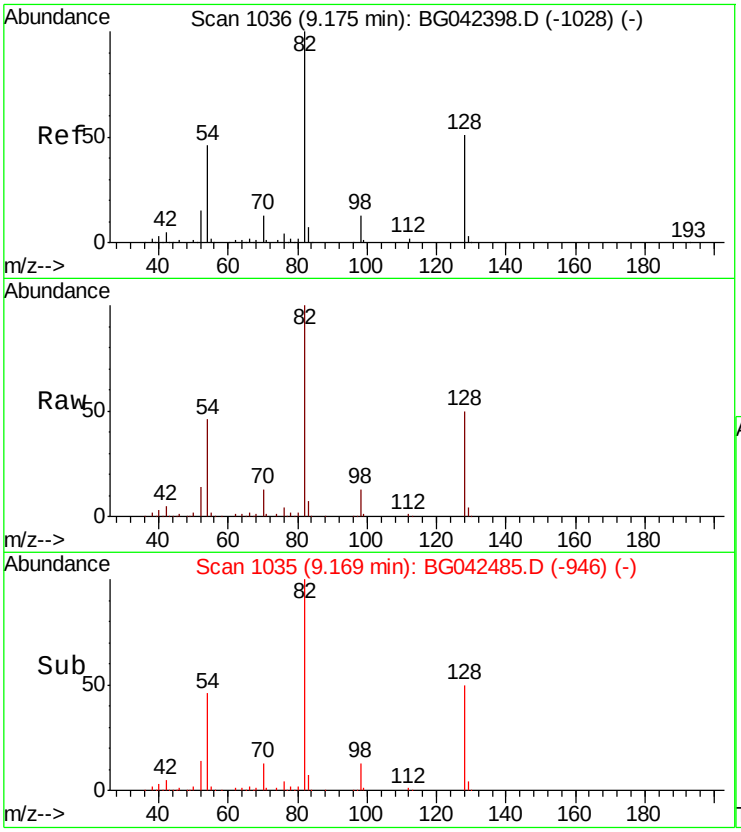


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:136 Resp: 187721

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.8	4.9	7.3
68	3.8	3.6	5.4



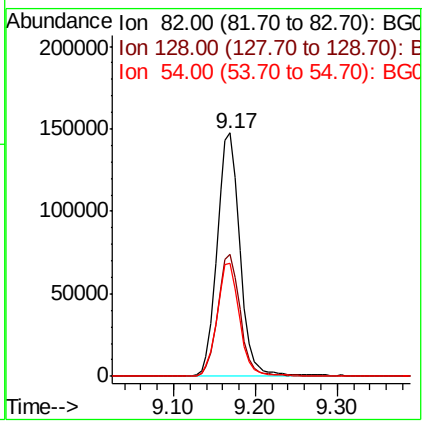


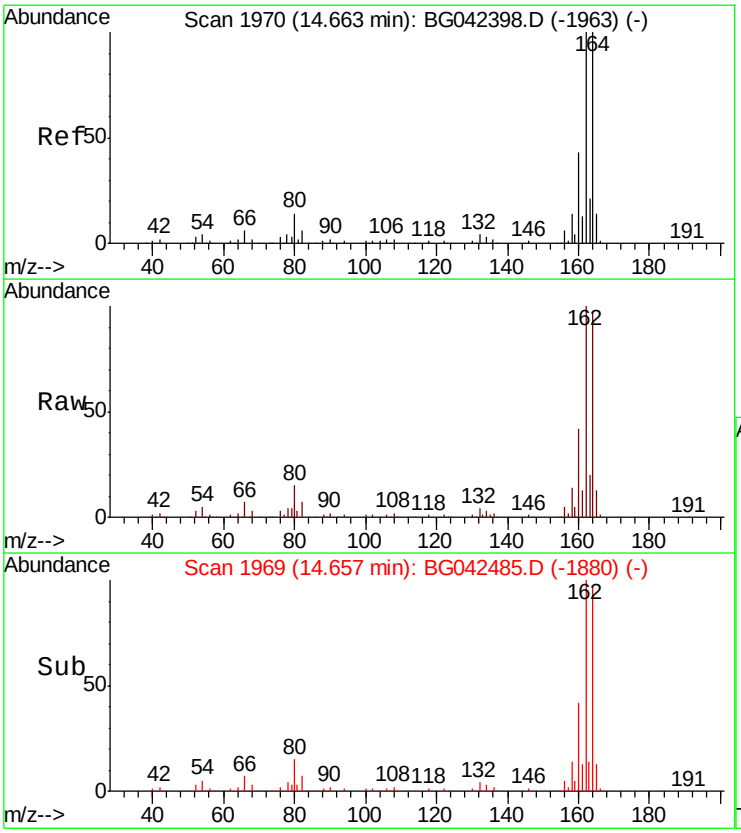
#23
Nitrobenzene-d5
Concen: 105.820 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion: 82 Resp: 287459

Ion	Ratio	Lower	Upper
82	100		
128	50.0	40.7	61.1
54	46.2	36.3	54.5

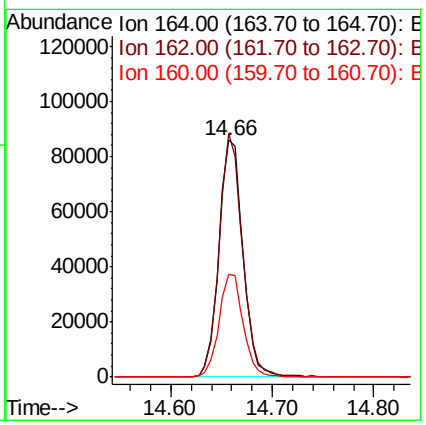


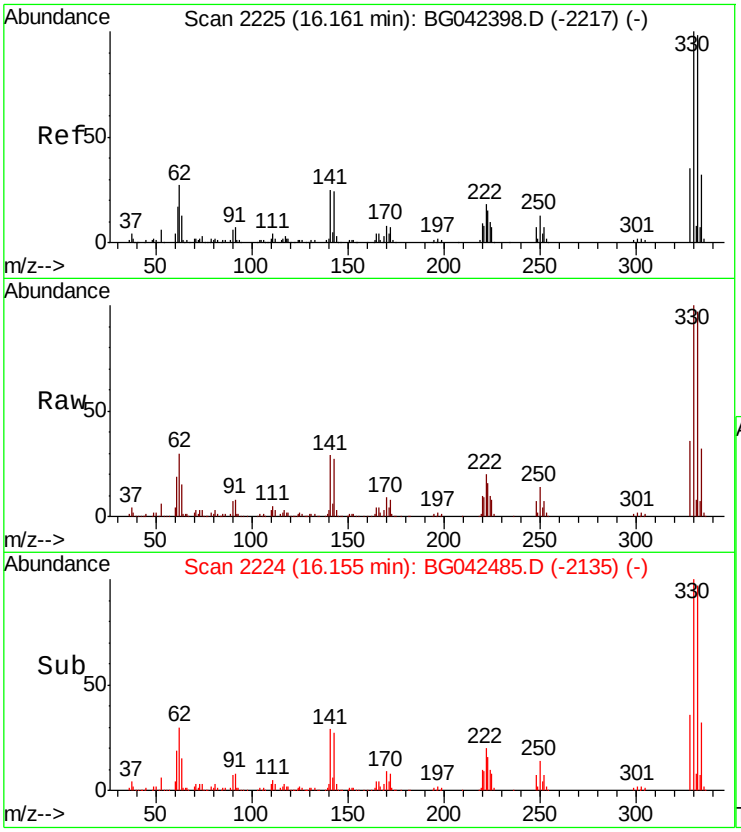


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:164 Resp: 142474

Ion	Ratio	Lower	Upper
164	100		
162	102.8	79.9	119.9
160	43.4	34.3	51.5



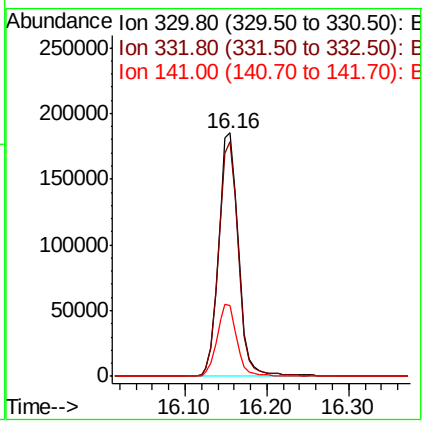


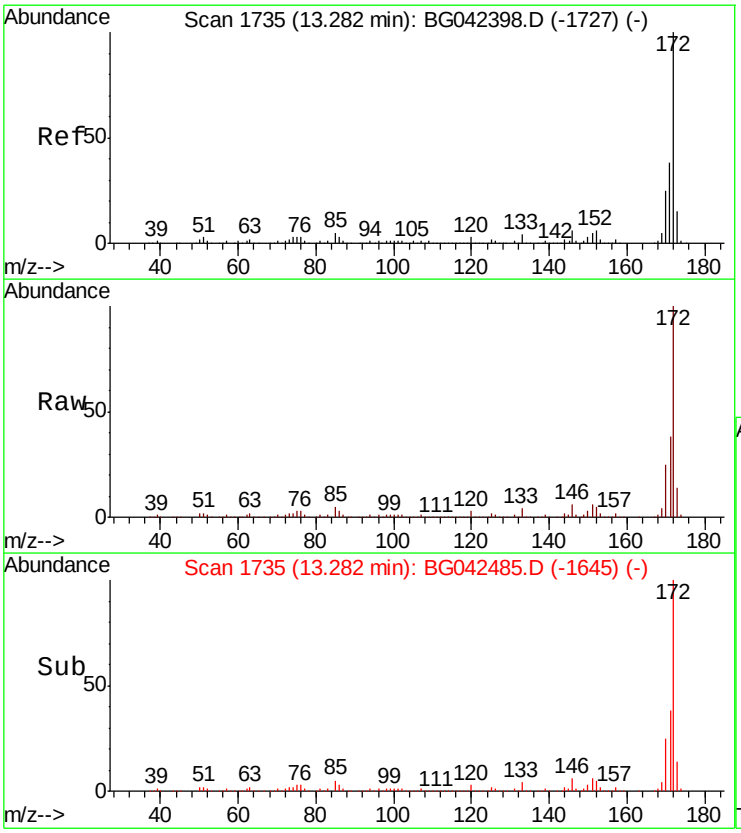
#42
2,4,6-Tribromophenol
Concen: 153.865 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:330 Resp: 311582

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	29.6	21.4	32.0

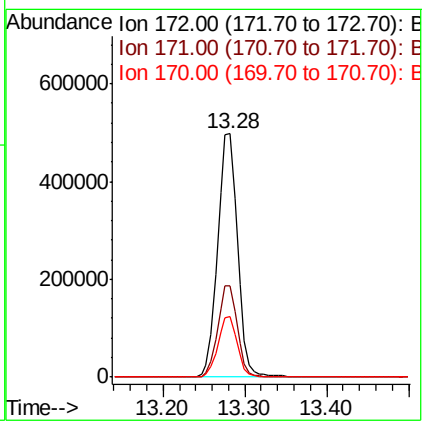


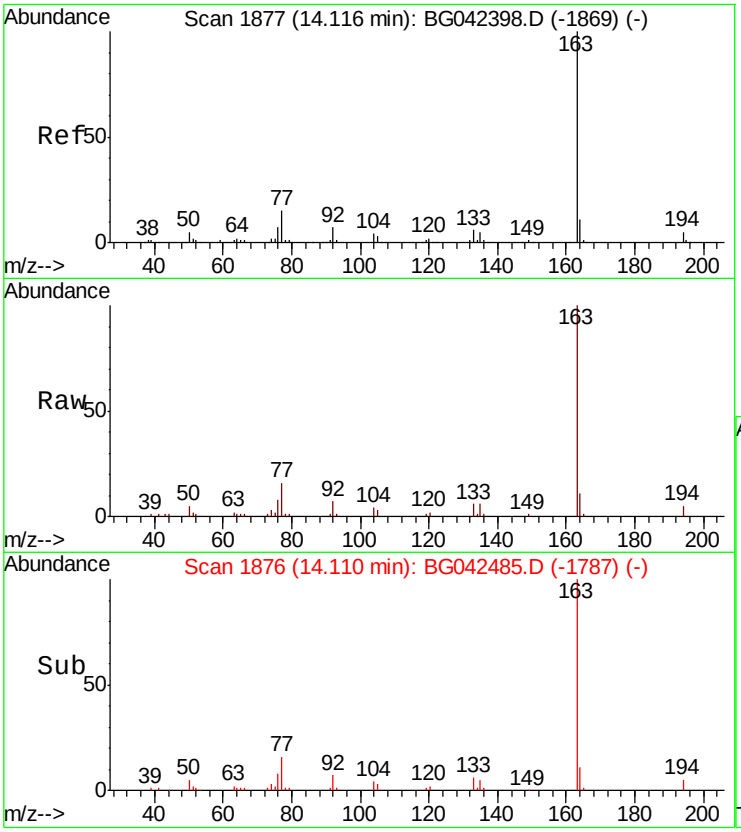


#45
2-Fluorobiphenyl
Concen: 100.544 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:172 Resp: 846982

Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.5	45.7
170	24.8	20.2	30.2



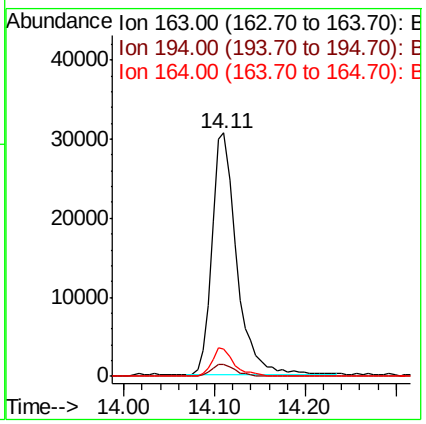


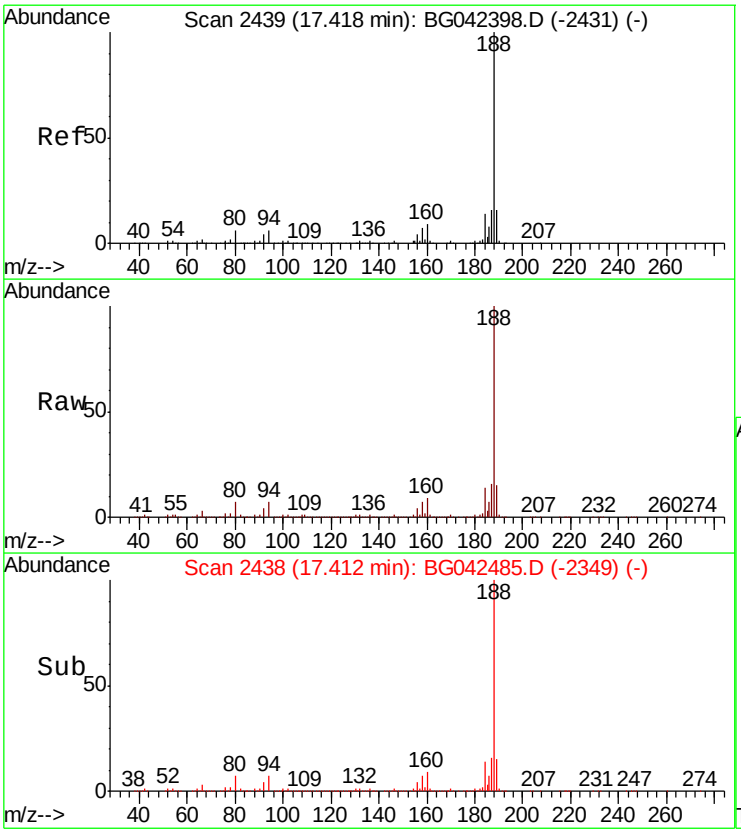
#50
Dimethylphthalate
Concen: 5.622 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:163 Resp: 57794

Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	11.2	8.8	13.2

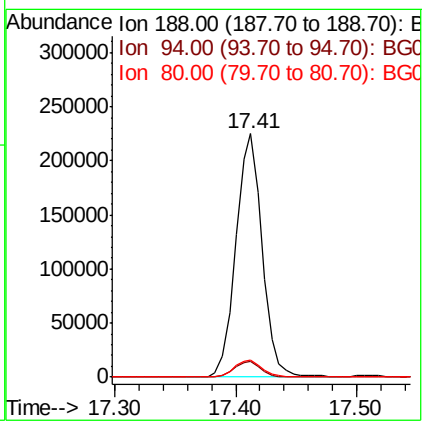


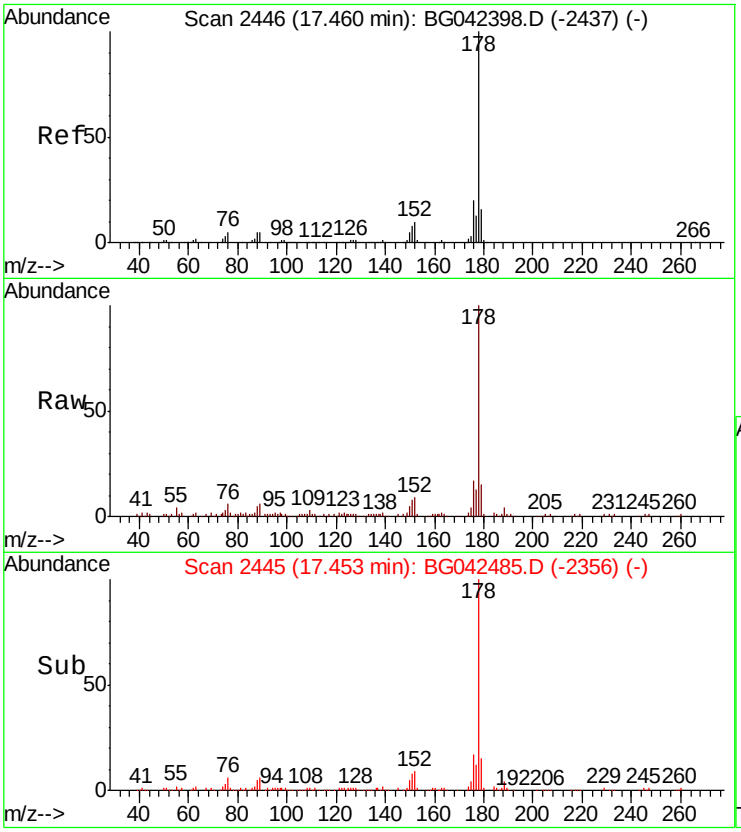


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:188 Resp: 340671

Ion	Ratio	Lower	Upper
188	100		
94	6.6	4.5	6.7
80	6.8	4.9	7.3



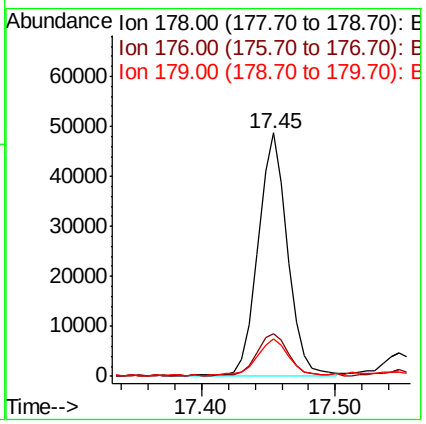


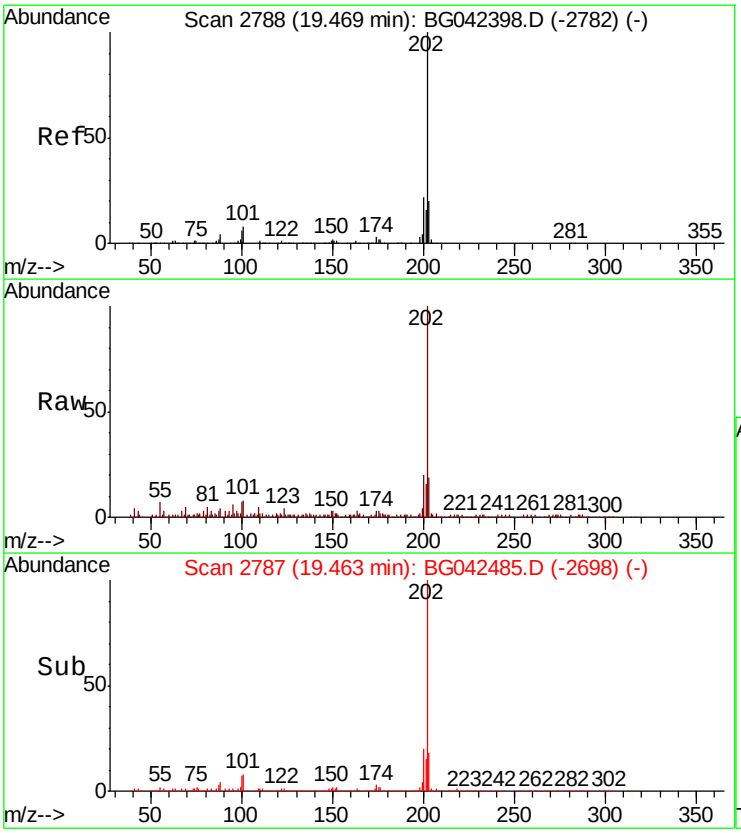
#71
Phenanthrene
Concen: 4.392 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:178 Resp: 74326

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.9	23.9
179	15.2	12.7	19.1

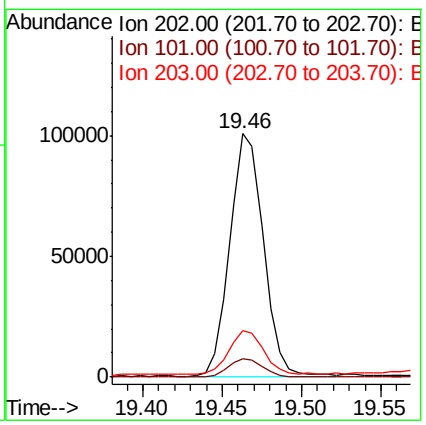


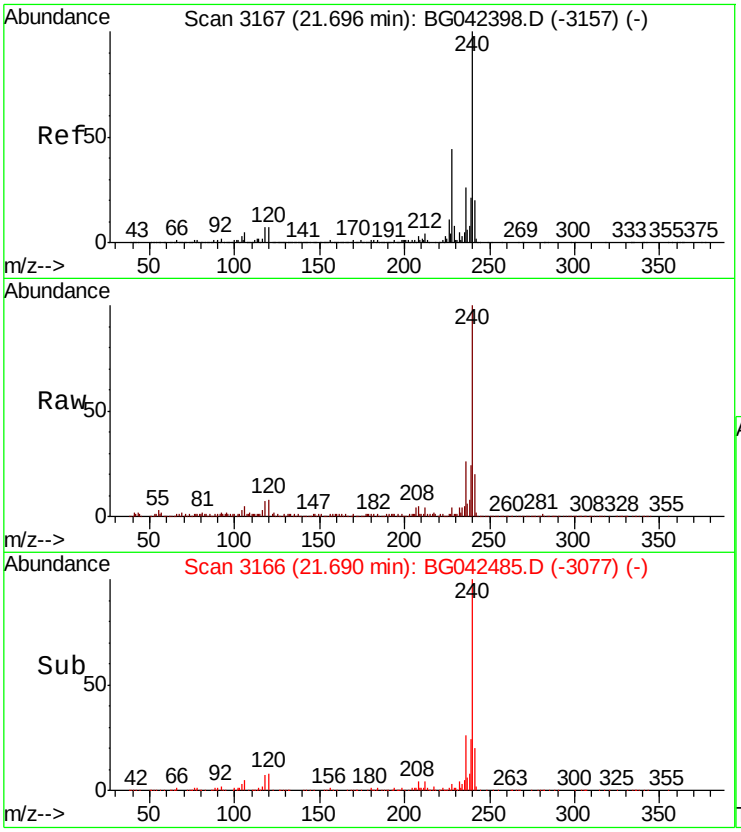


#75
Fluoranthene
Concen: 7.146 ng
RT: 19.46 min Scan# 2787
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:202 Resp: 147586

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.3
203	19.0	0.0	39.6



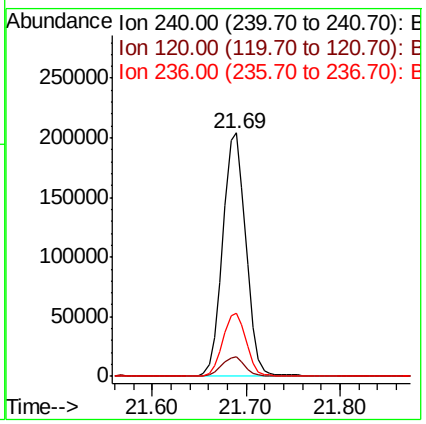


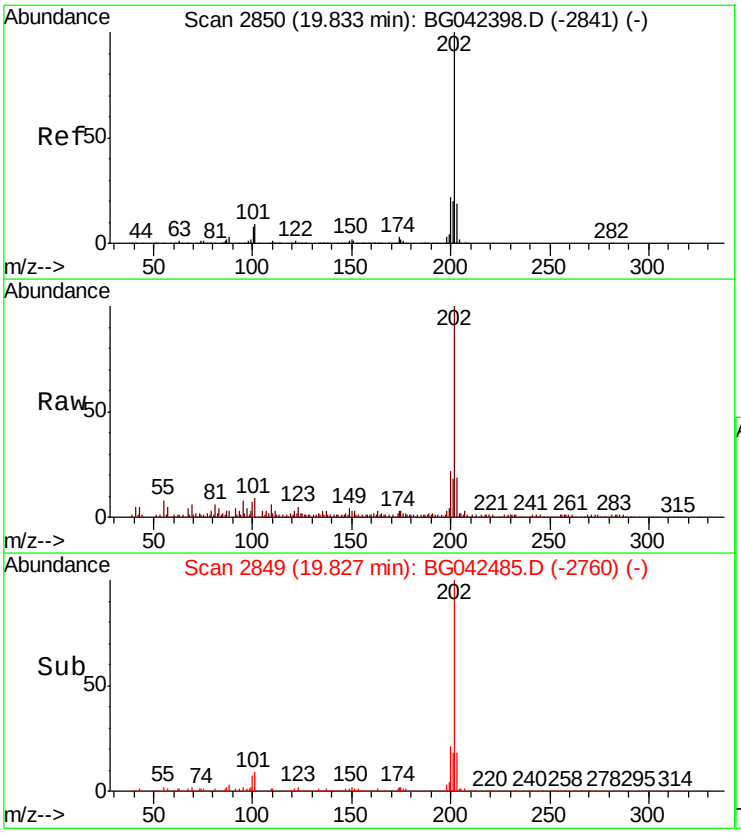
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:240 Resp: 351149

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.7	8.5
236	25.7	21.0	31.4

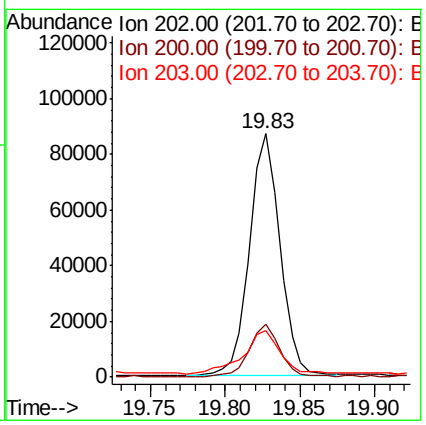


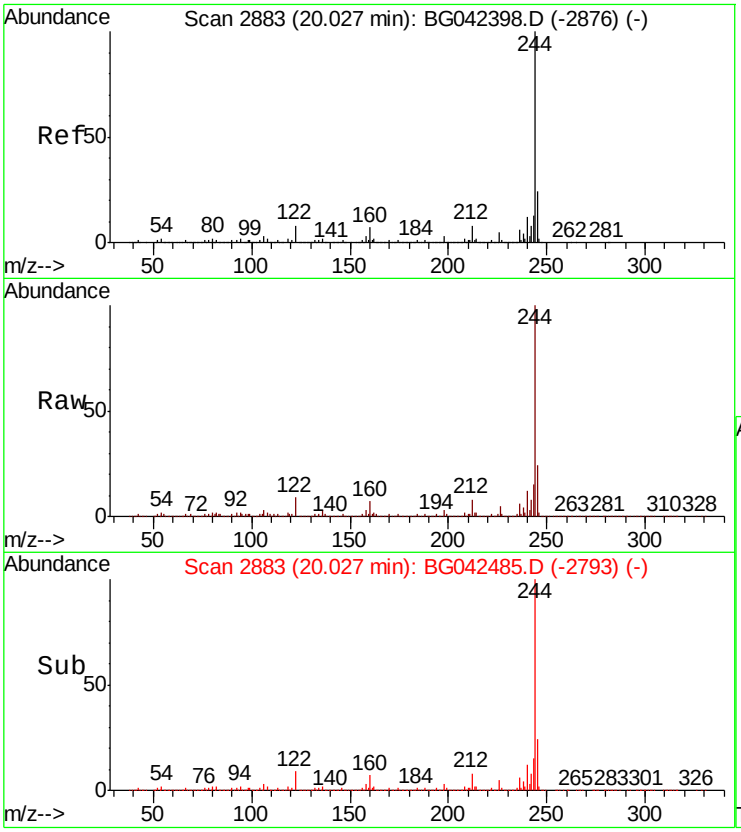


#78
Pyrene
Concen: 5.693 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:202 Resp: 122567

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	19.0	15.5	23.3



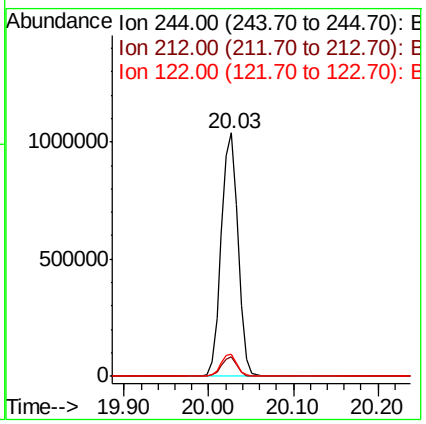


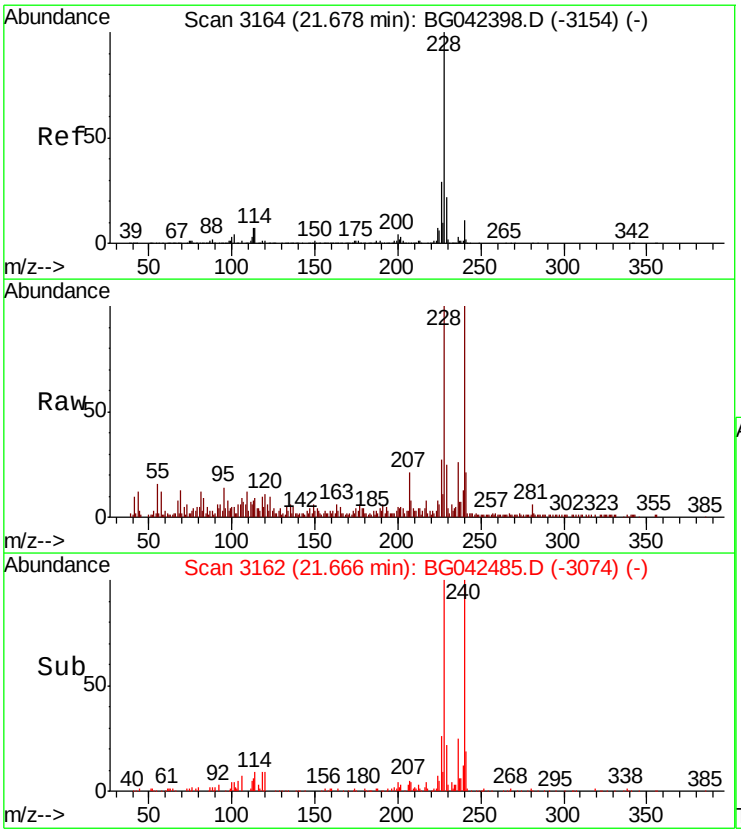
#79
Terphenyl-d14
Concen: 88.121 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:244 Resp: 1431298

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	9.3	6.7	10.1

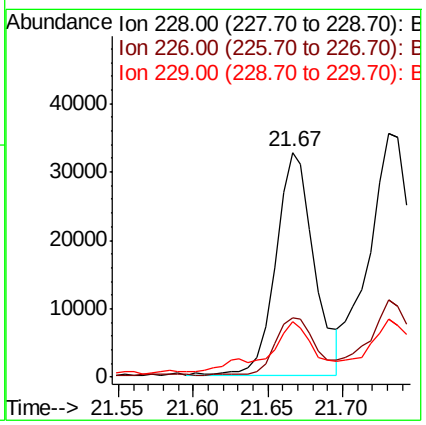


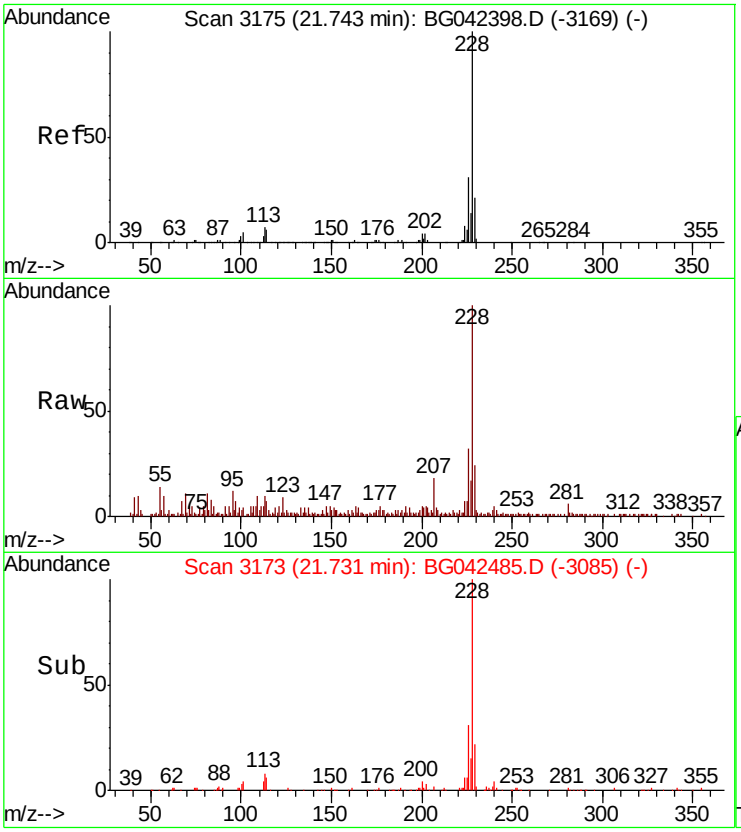


#81
Benzo(a)anthracene
Concen: 2.727 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:228 Resp: 58249

Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.4	35.2
229	24.5	17.4	26.2



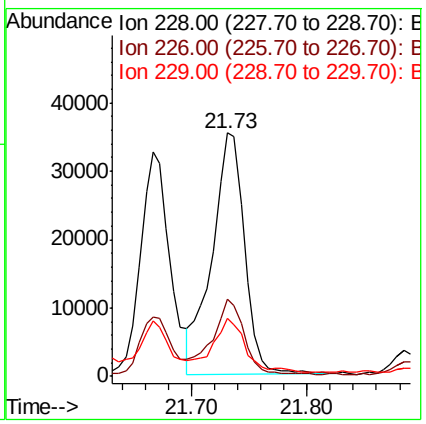


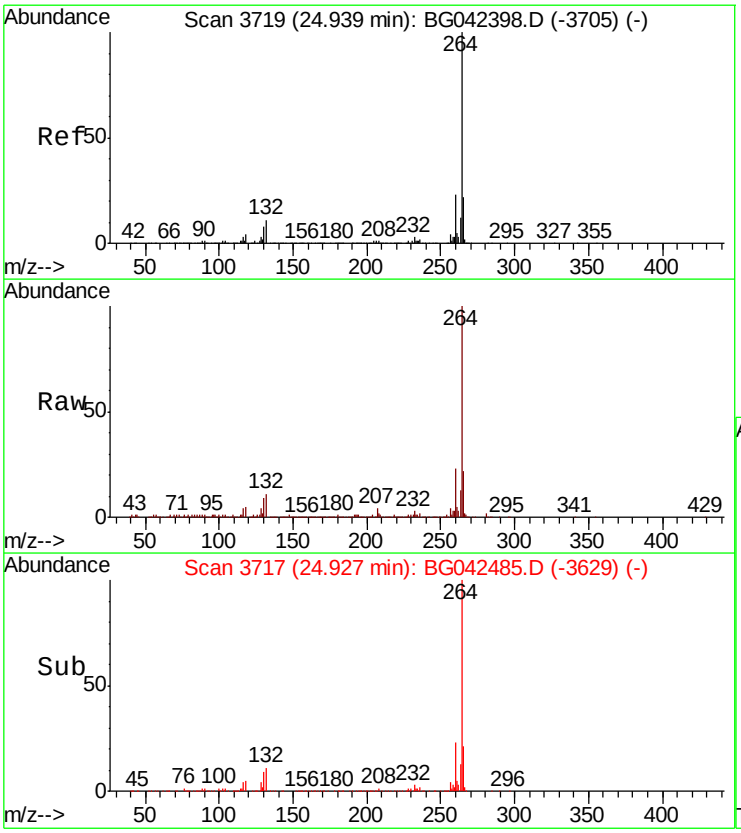
#83
Chrysene
Concen: 3.351 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:228 Resp: 69037

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	23.7	16.9	25.3

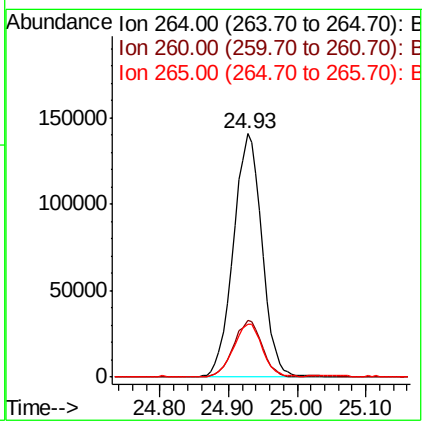


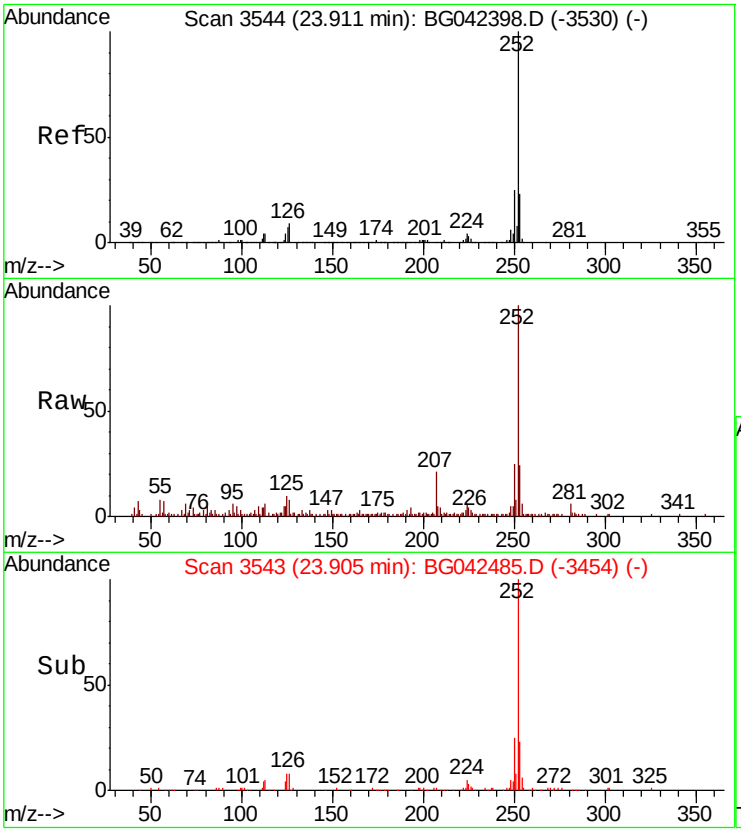


#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:264 Resp: 408517

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.6	26.4



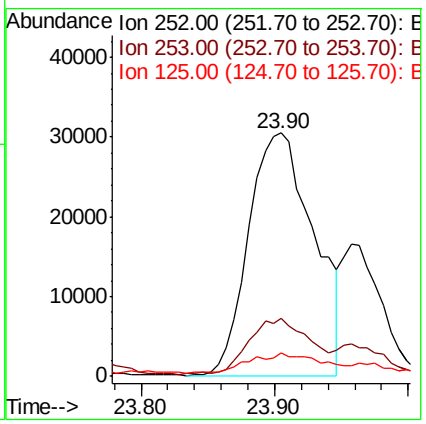


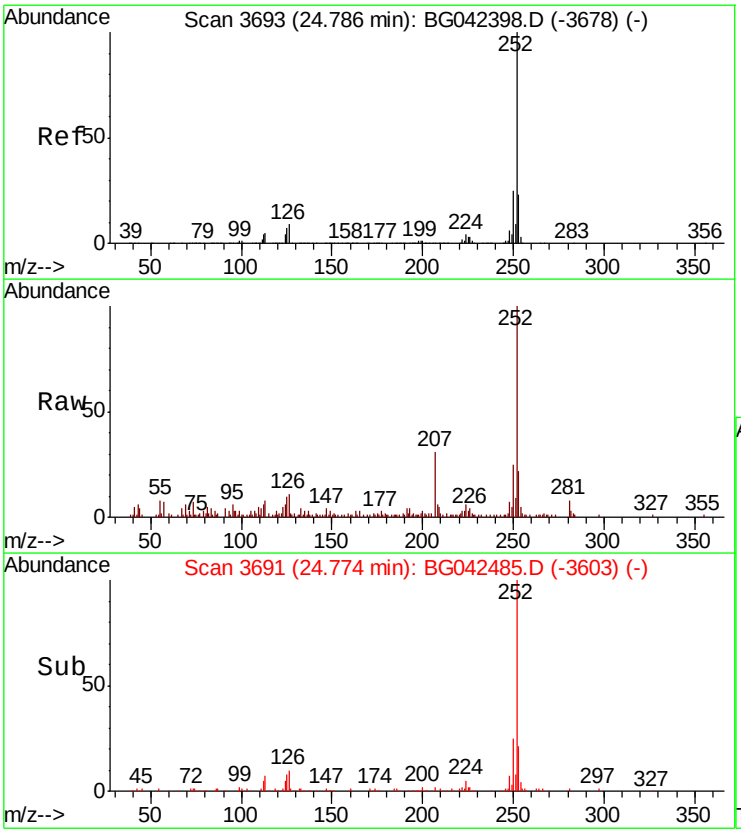
#88
Benzo(b)fluoranthene
Concen: 4.618 ng
RT: 23.90 min Scan# 3543
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:252 Resp: 103704

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	9.9	5.6	8.4#

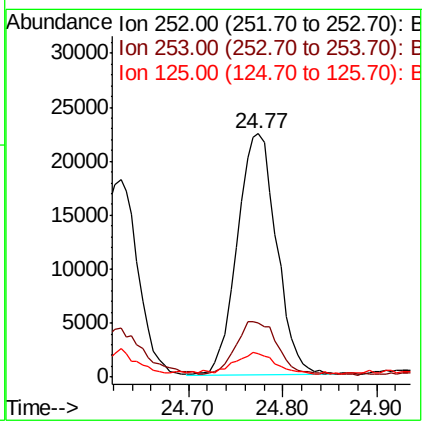


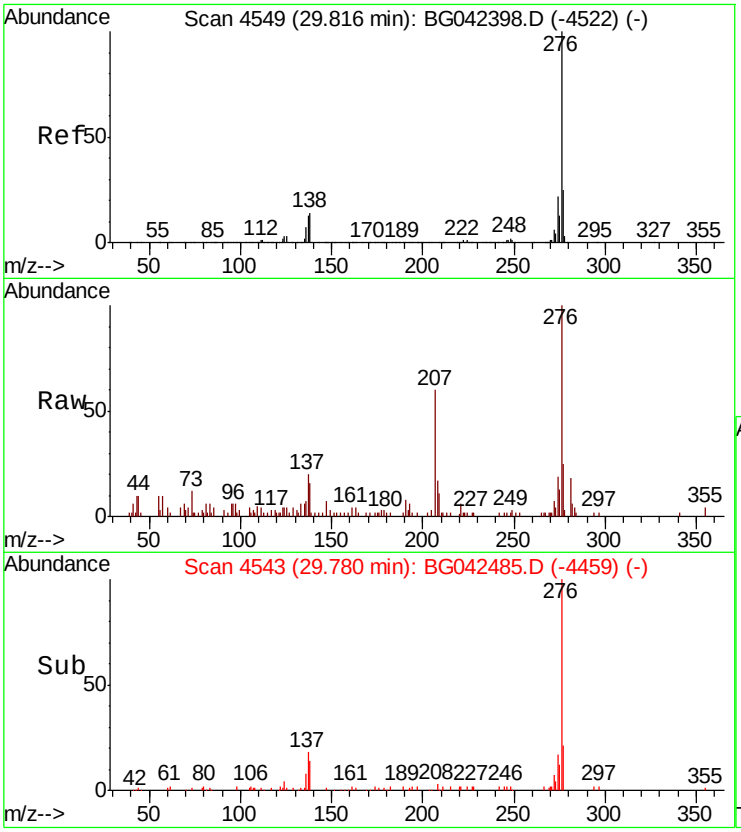


#90
Benzo(a)pyrene
Concen: 3.023 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Tgt Ion:252 Resp: 64414

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	9.8	6.0	9.0#





#92
Benzo(g,h,i)perylene
Concen: 2.452 ng
RT: 29.78 min Scan# 4543
Delta R.T. -0.04 min
Lab File: BG042485.D
Acq: 25 Aug 2019 19:37

Instrument :
BNA_G
ClientSampleId :
T9-12-13-H-(0-1.9)

Tgt Ion:276 Resp: 52922

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	15.7	11.4	17.0