Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
Data File : BG031499.D
Acq On : 12 Dec 2017 19:32
Operator : SJ/JU
Sample : I6813-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : Drill-Cutting-Spoils

Quant Time: Dec 13 05:55:14 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	58551	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	254136	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	170410	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	439991	20.00	ng	0.00
75) Chrysene-d12	21.74	240	518702	20.00	ng	0.00
86) Perylene-d12	25.03	264	487419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	184876	55.97	ng	0.00
7) Phenol-d6	7.28	99	138165	30.13	ng	0.00
23) Nitrobenzene-d5	9.28	82	354051	85.87	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	276890	138.69	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1020974	87.94	ng	0.00
78) Terphenyl-d14	20.07	244	1856253	81.42	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	15.03	139	66	3.573	ng	# 1
62) Azobenzene	16.09	77	31774	2.712	ng	# 1

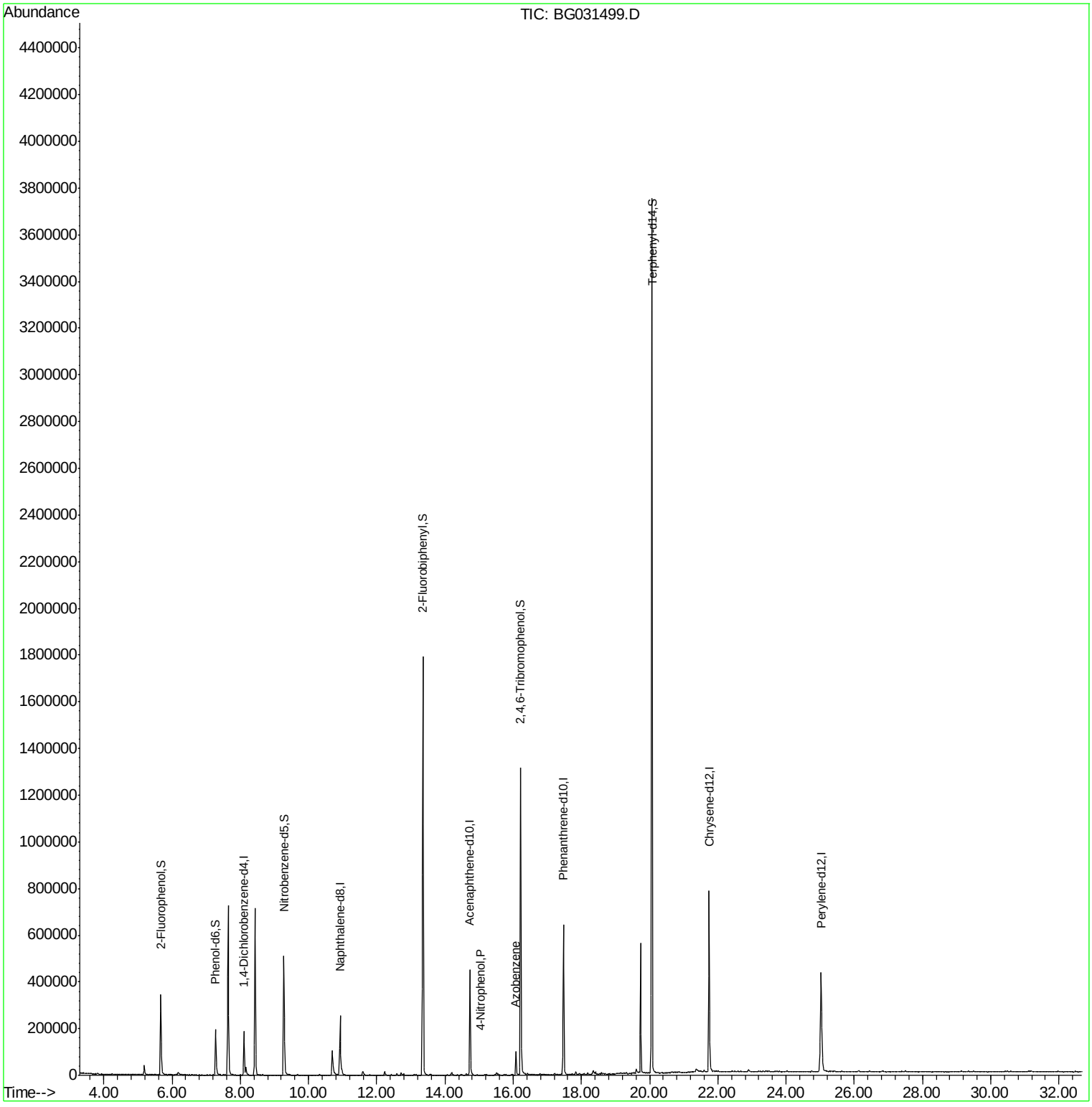
(#) = qualifier out of range (m) = manual integration (+) = signals summed

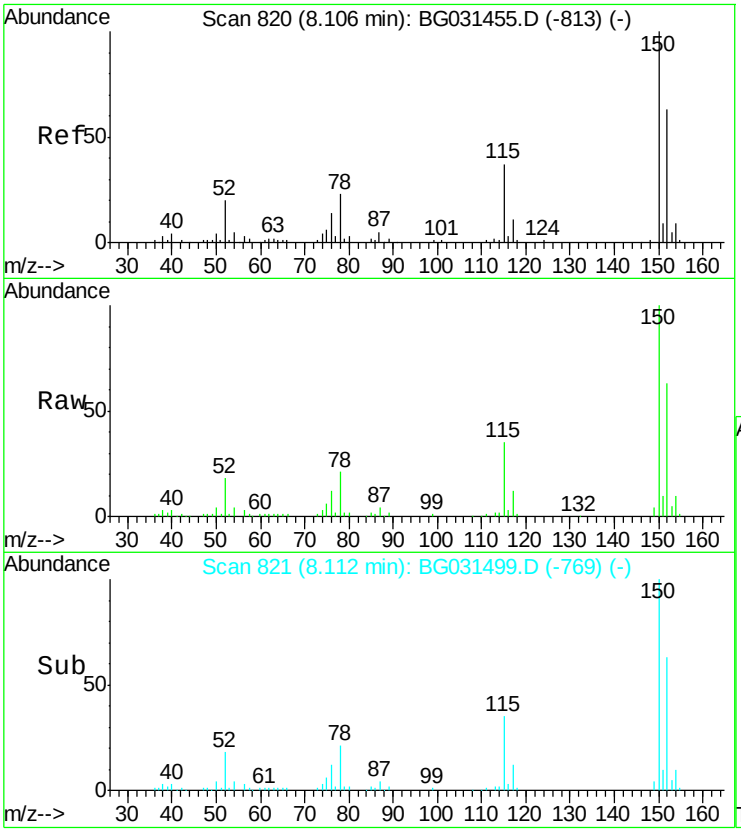
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
Data File : BG031499.D
Acq On : 12 Dec 2017 19:32
Operator : SJ/JU
Sample : I6813-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Quant Time: Dec 13 05:55:14 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration



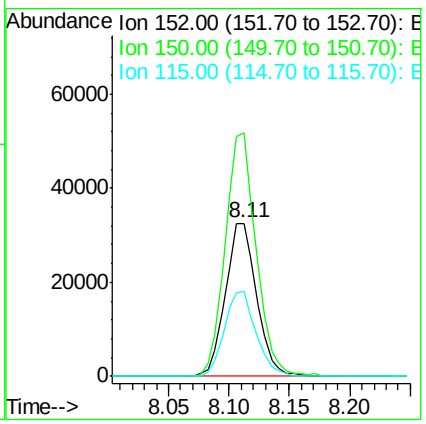


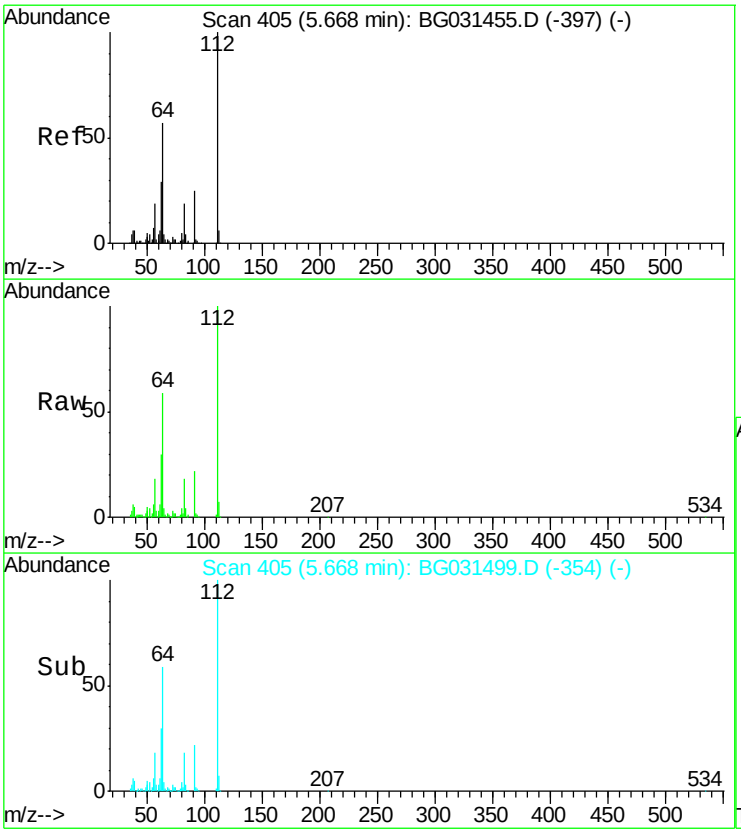
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion:152 Resp: 58551

Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	55.6	53.0	79.4

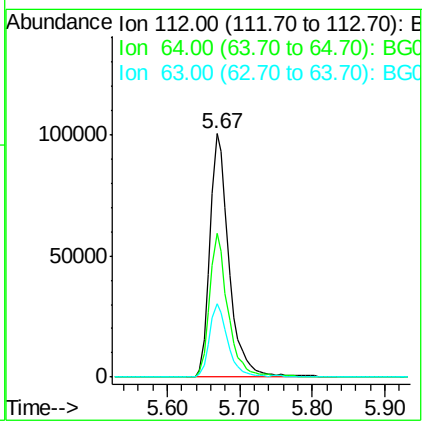


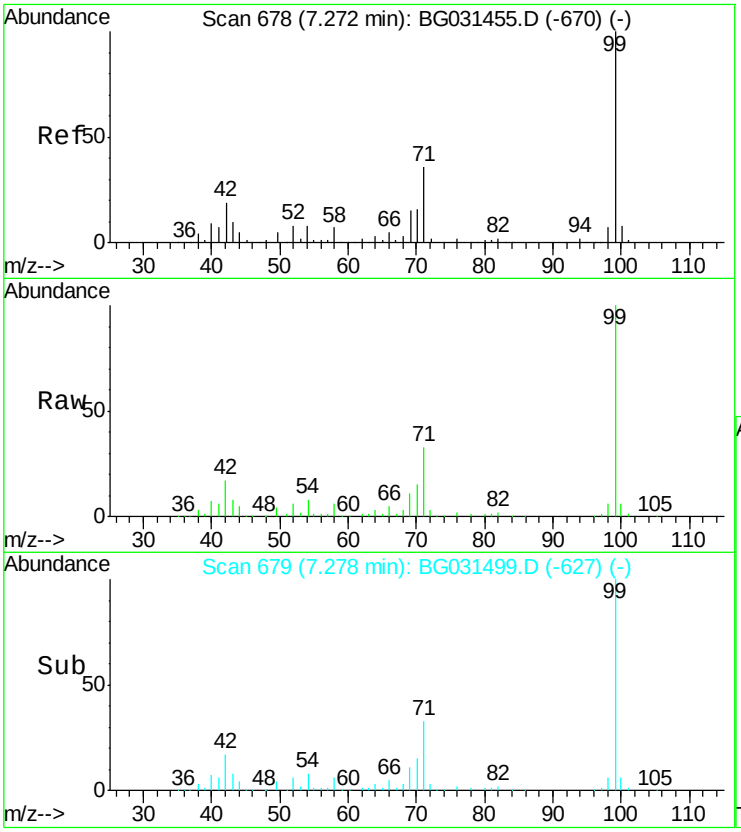


#5
2-Fluorophenol
Concen: 55.968 ng
RT: 5.67 min Scan# 405
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:112 Resp: 184876

Ion	Ratio	Lower	Upper
112	100		
64	59.2	56.3	84.5
63	30.2	30.1	45.1



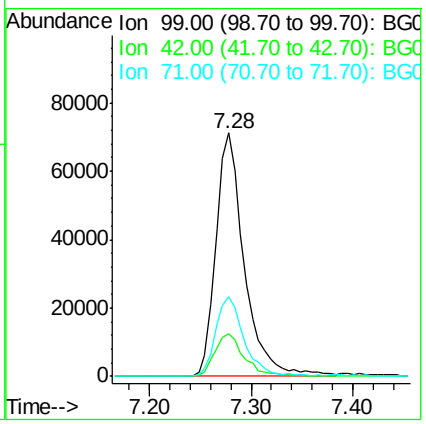


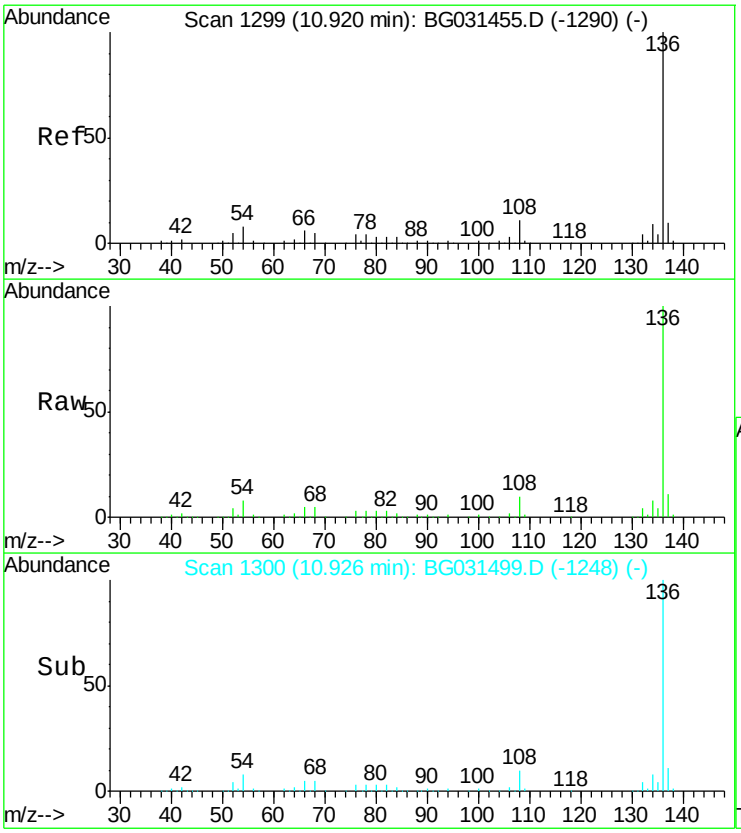
#7
Phenol-d6
Concen: 30.129 ng
RT: 7.28 min Scan# 679
Delta R.T. 0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion: 99 Resp: 138165

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.1	21.1
71	32.6	26.1	39.1

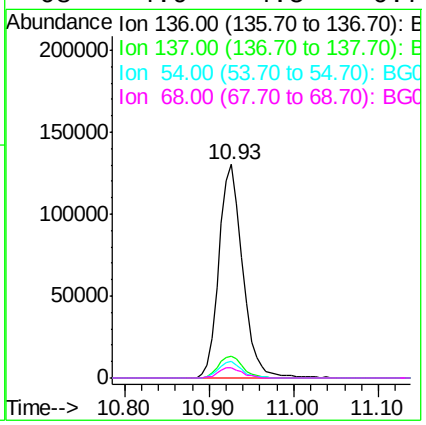


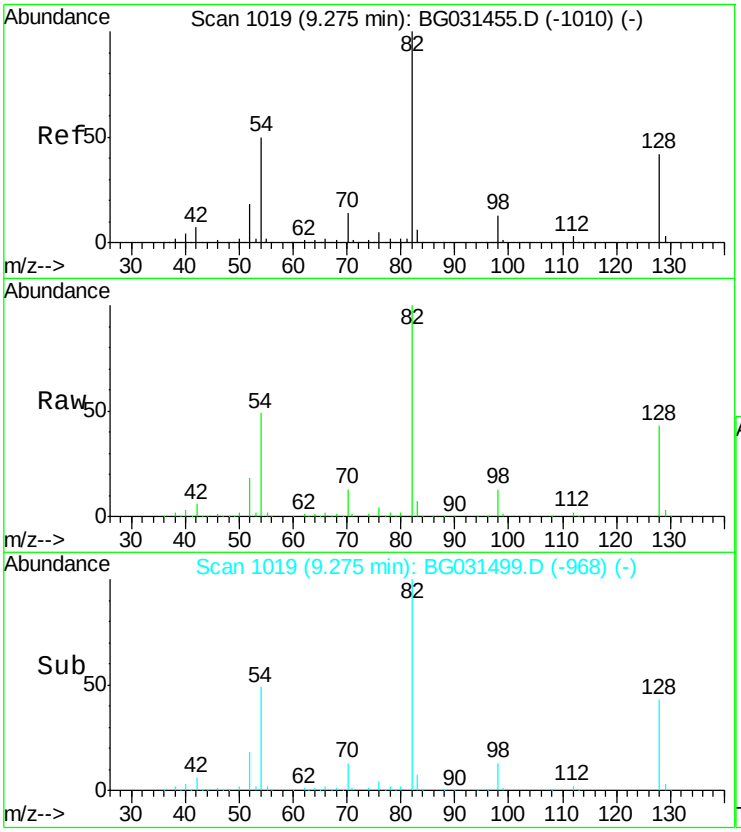


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:136 Resp: 254136

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.5	10.3	15.5#
68	4.9	4.5	6.7



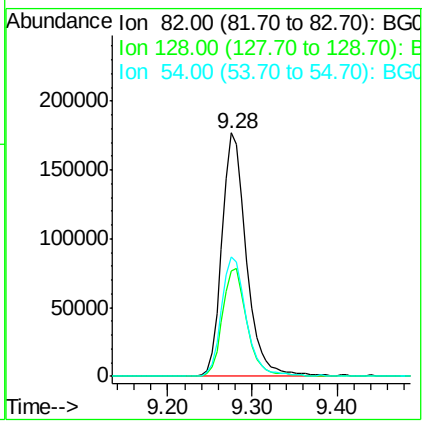


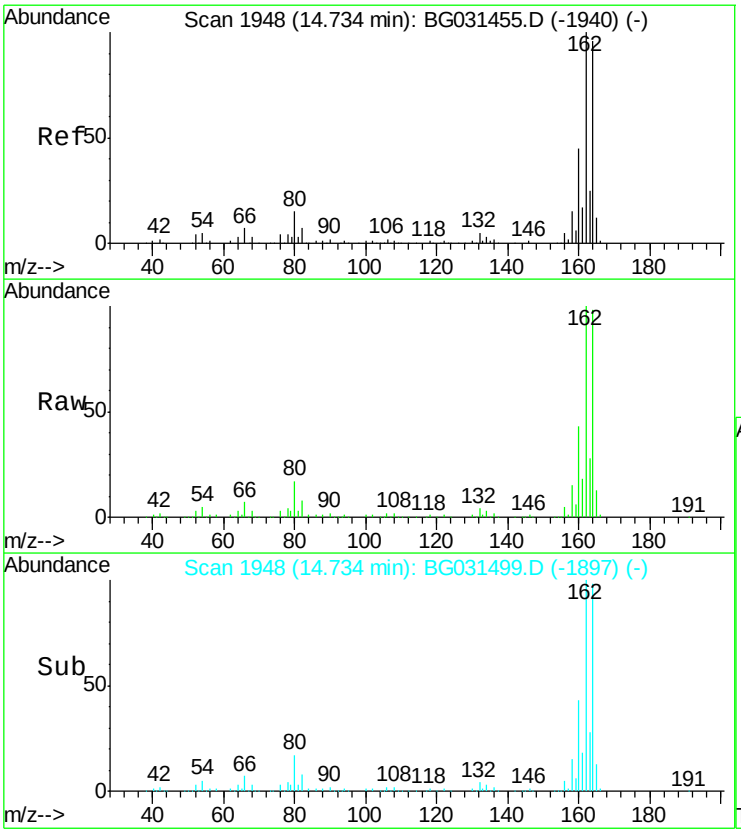
#23
Nitrobenzene-d5
Concen: 85.869 ng
RT: 9.28 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion: 82 Resp: 354051

Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.7	44.5
54	49.0	43.1	64.7

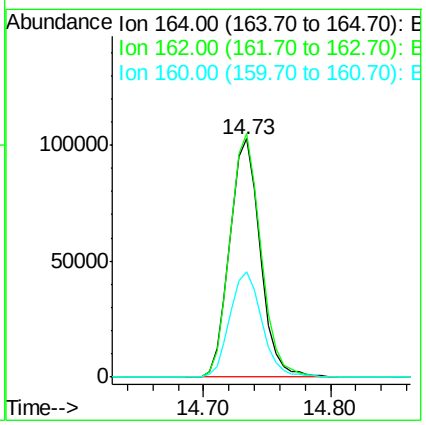


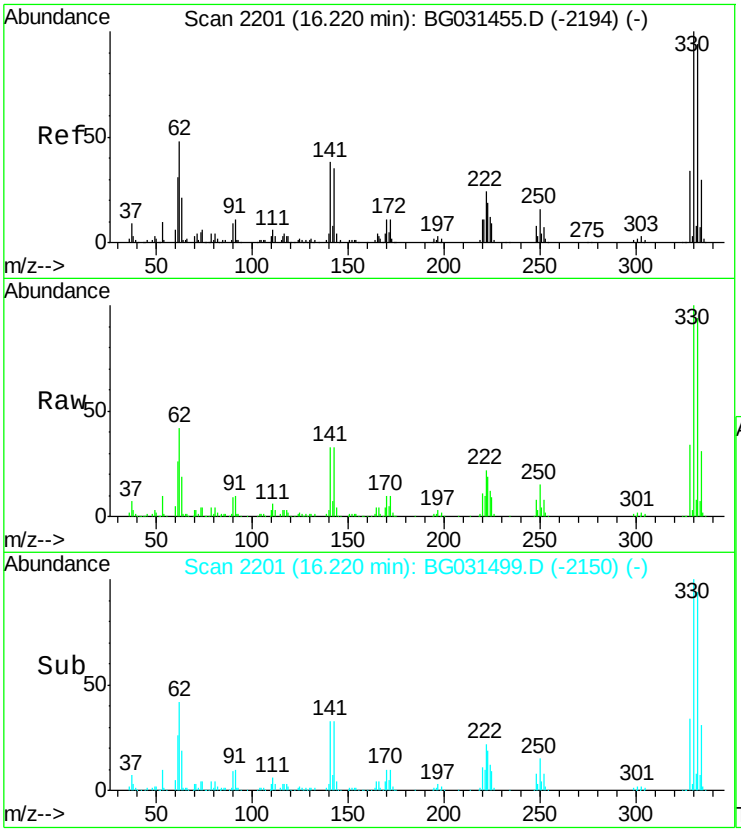


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:164 Resp: 170410

Ion	Ratio	Lower	Upper
164	100		
162	102.1	78.8	118.2
160	44.0	35.4	53.0



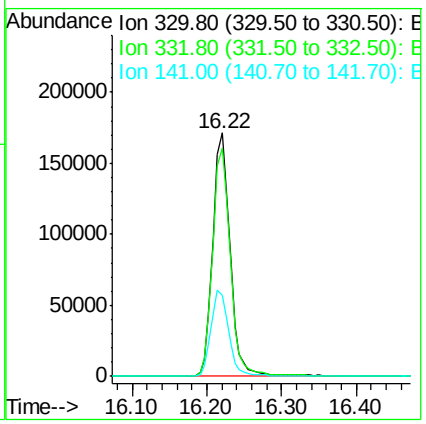


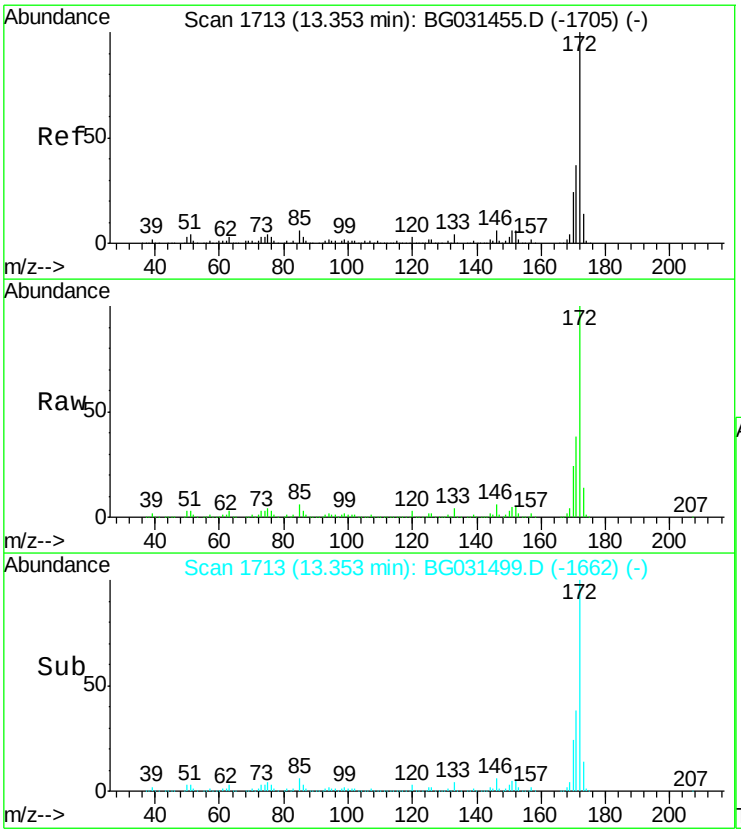
#41
2,4,6-Tribromophenol
Concen: 138.693 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion:330 Resp: 276890

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	36.2	25.2	37.8

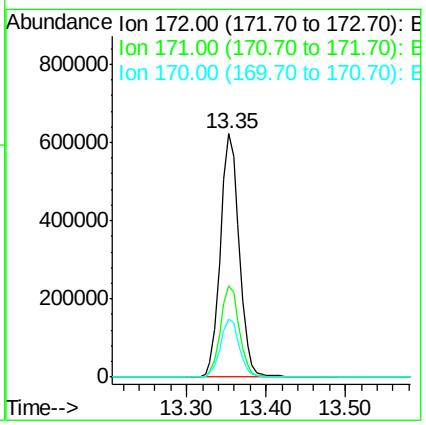


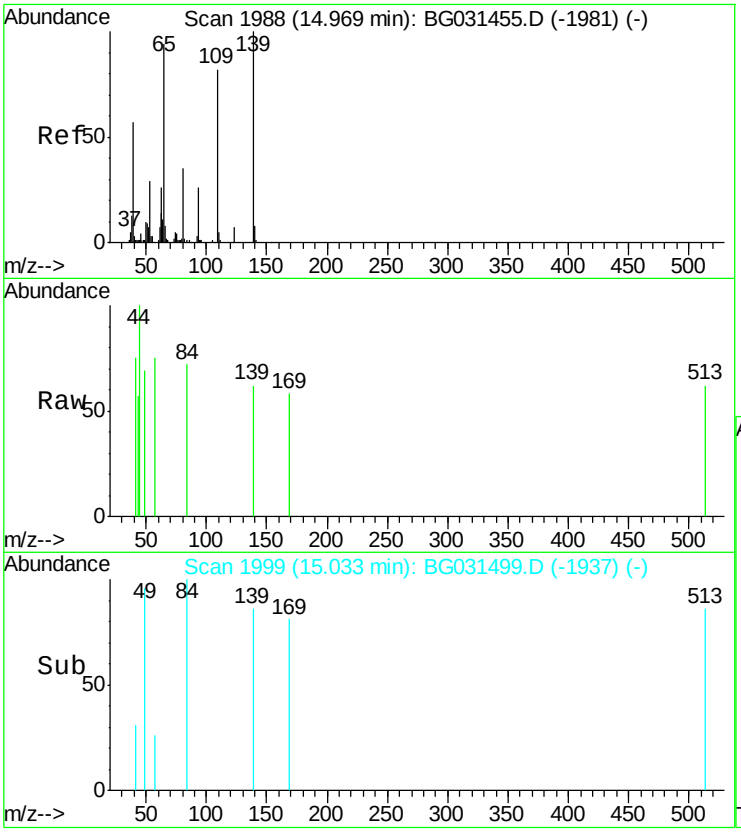


#44
2-Fluorobiphenyl
Concen: 87.944 ng
RT: 13.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:172 Resp: 1020974

Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	24.0	19.5	29.3



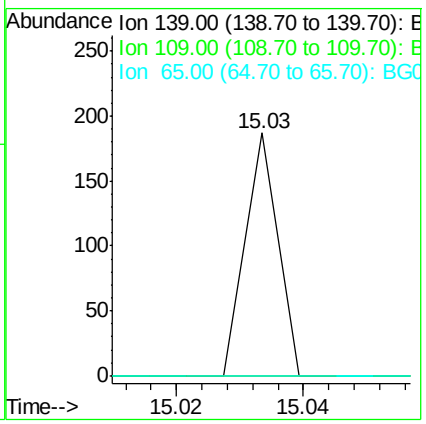


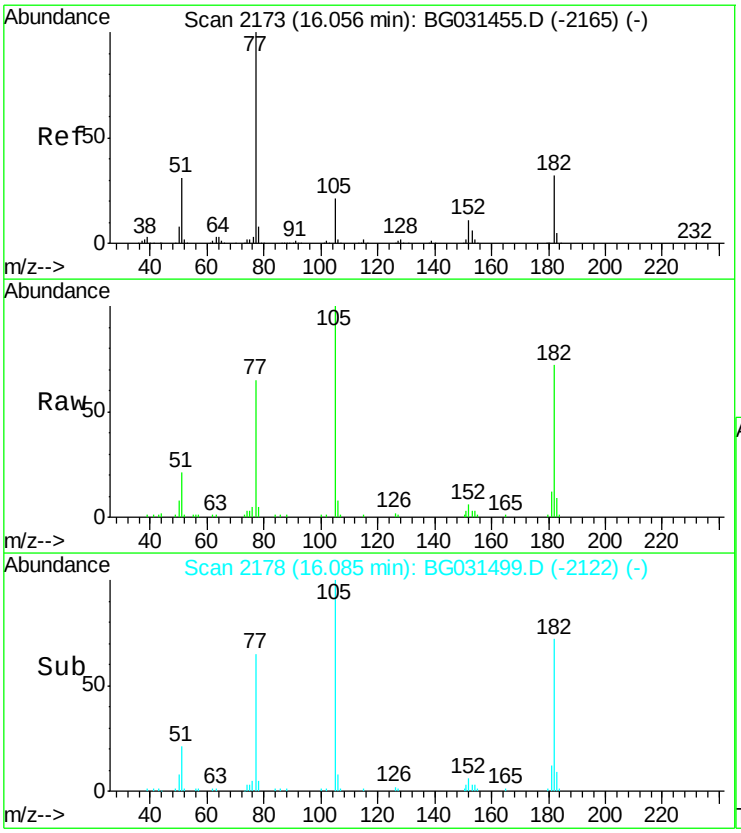
#55
4-Nitrophenol
Concen: 3.573 ng
RT: 15.03 min Scan# 1999
Delta R.T. 0.07 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion:139 Resp: 66

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

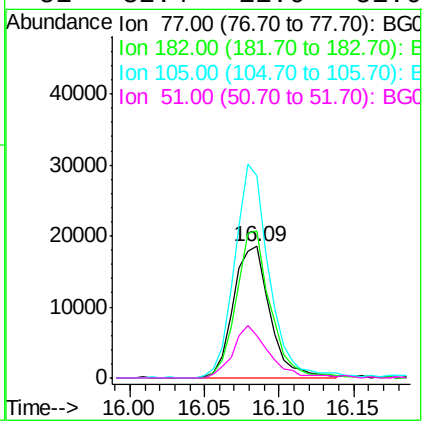


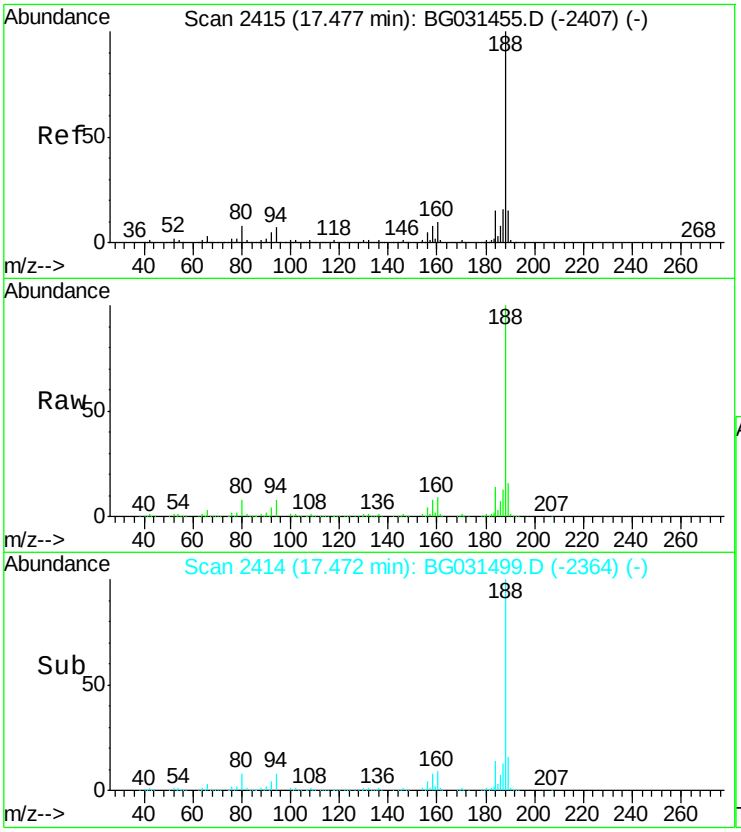


#62
Azobenzene
Concen: 2.712 ng
RT: 16.09 min Scan# 2178
Delta R.T. 0.03 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion: 77 Resp: 31774

Ion	Ratio	Lower	Upper
77	100		
182	111.4	7.4	47.4#
105	153.8	0.3	40.3#
51	32.4	11.6	51.6



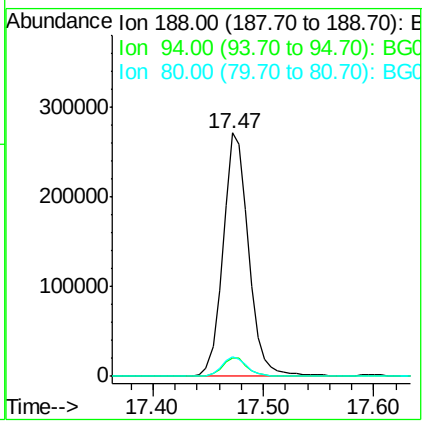


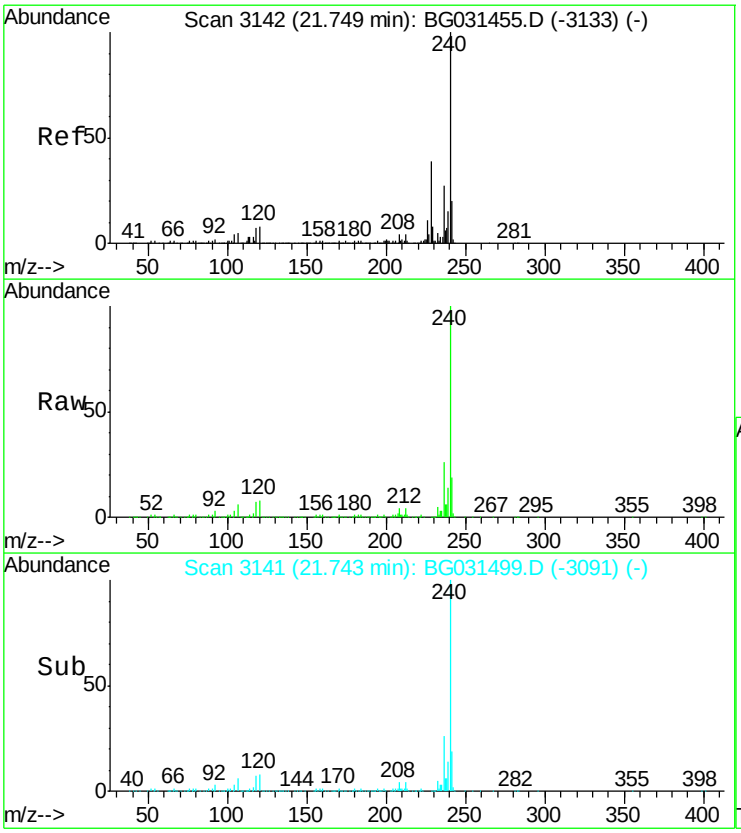
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion:188 Resp: 439991

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	8.2	7.7	11.5

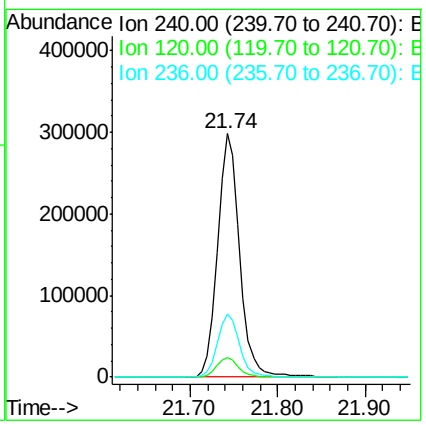


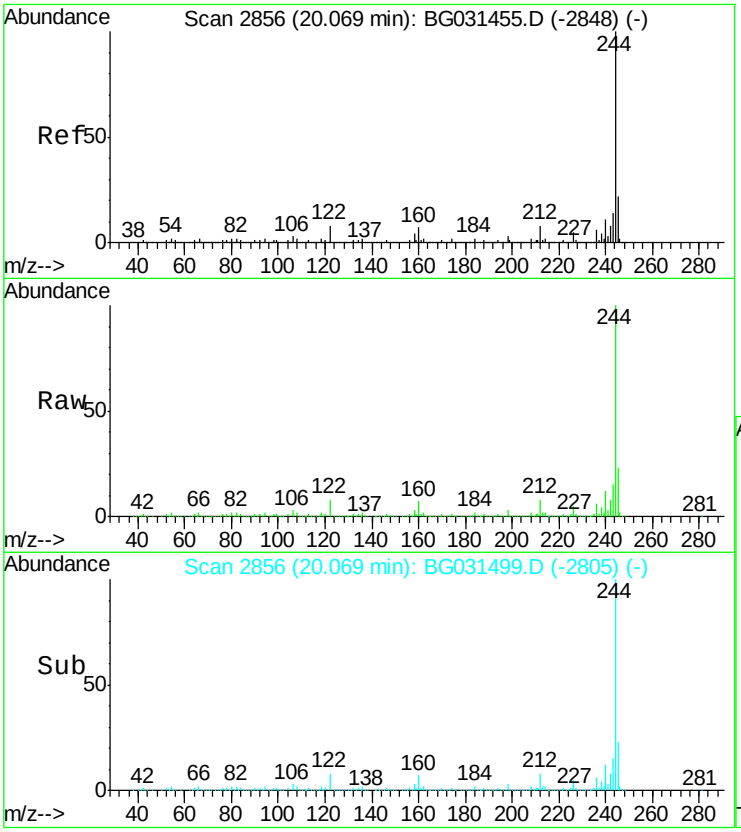


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:240 Resp: 518702

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.8	10.2
236	26.2	20.9	31.3



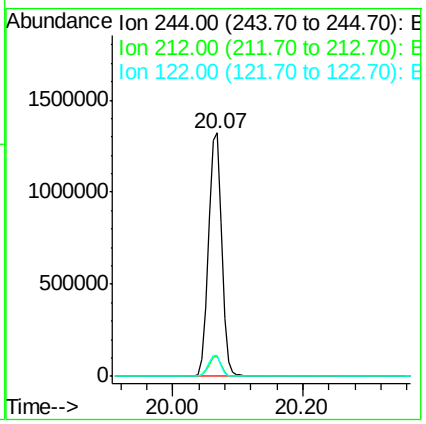


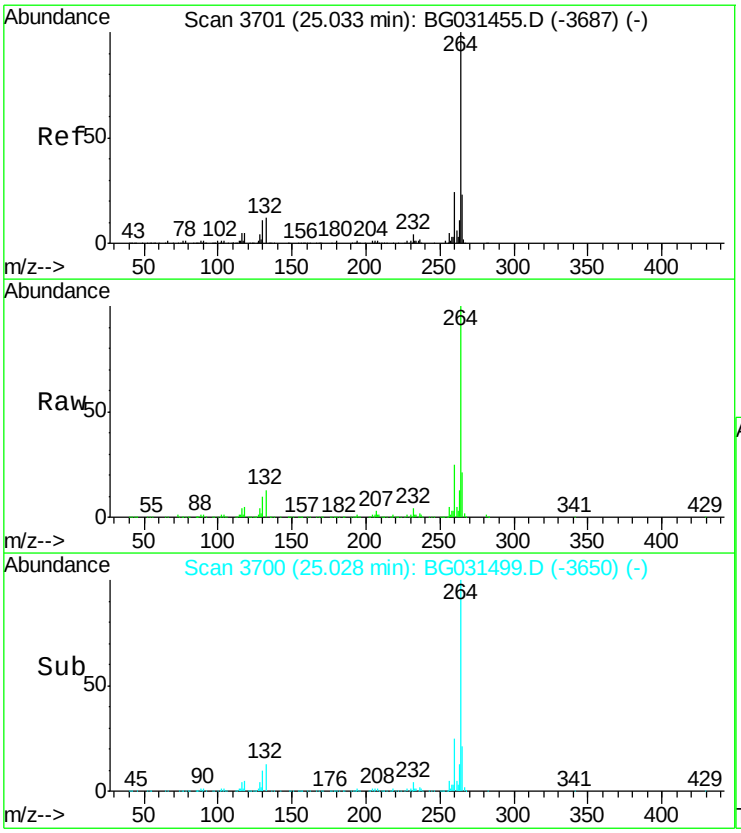
#78
Terphenyl-d14
Concen: 81.420 ng
RT: 20.07 min Scan# 2856
Delta R.T. 0.00 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Instrument :
BNA_G
ClientSampleId :
Drill-Cutting-Spoils

Tgt Ion:244 Resp: 1856253

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	8.3	7.0	10.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.03 min Scan# 3700
Delta R.T. -0.01 min
Lab File: BG031499.D
Acq: 12 Dec 2017 19:32

Tgt Ion:264 Resp: 487419

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.5	17.7	26.5