Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
Data File : BG037451.D
Acq On : 19 Oct 2018 13:21
Operator : JU/SJ
Sample : J5164-01
Misc : LOD 8PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 20 07:14:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50410	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	234191	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	160576	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	392858	20.00	ng	0.00
76) Chrysene-d12	21.77	240	365611	20.00	ng	0.00
87) Perylene-d12	25.11	264	362439	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	426374	141.41	ng	0.00
7) Phenol-d6	7.25	99	622664	136.57	ng	0.00
23) Nitrobenzene-d5	9.28	82	356409	85.25	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	242626	138.53	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	873085	81.99	ng	0.00
79) Terphenyl-d14	20.09	244	1350755	78.94	ng	0.00
Target Compounds						Qvalue
41) Hexachlorocyclopentadiene	12.91	237	19053	7.701	ng	98
54) 2,4-Dinitrophenol	14.85	184	1917	9.080	ng	98
70) Pentachlorophenol	17.12	266	12144	4.055	ng	89

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

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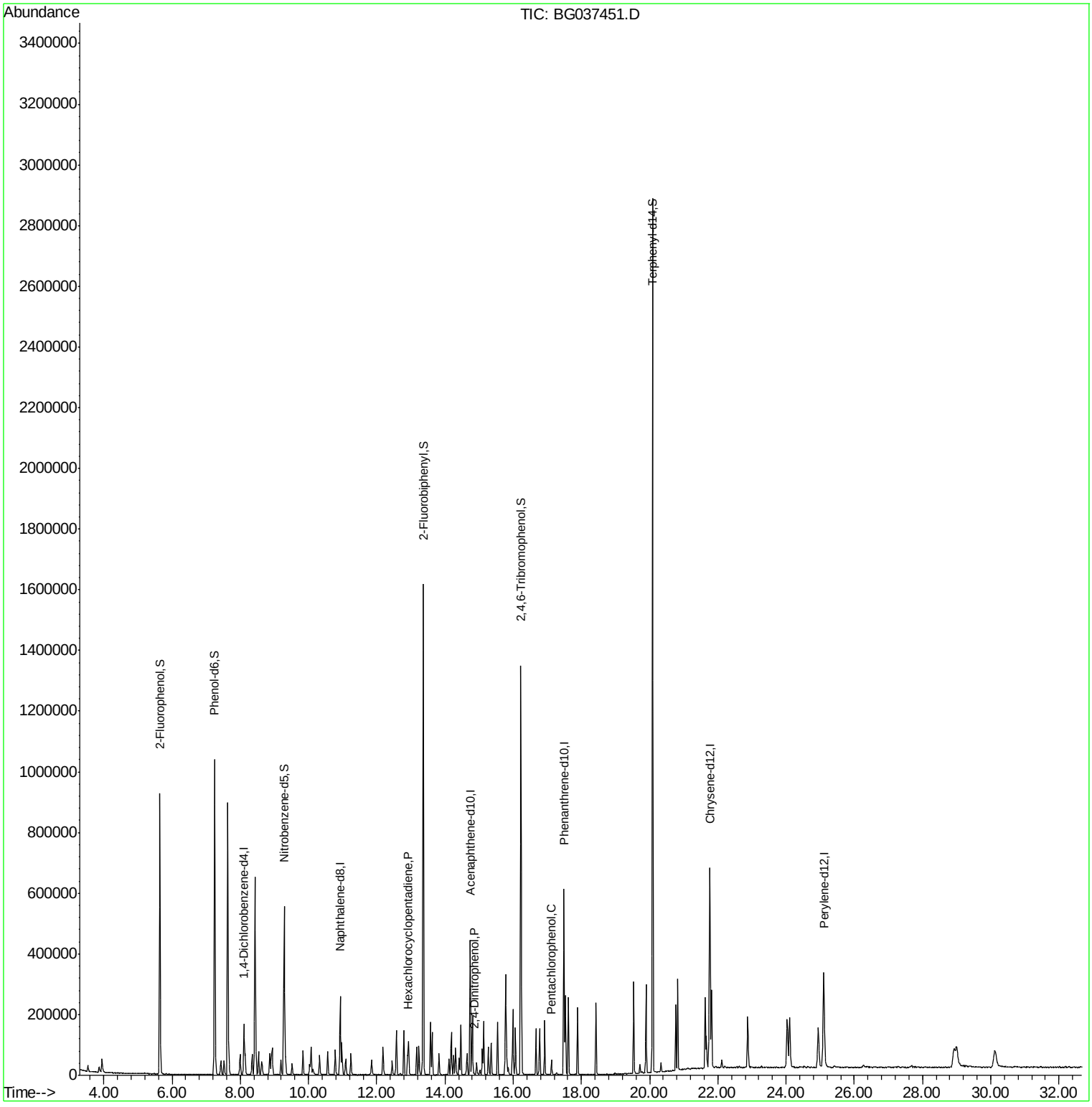
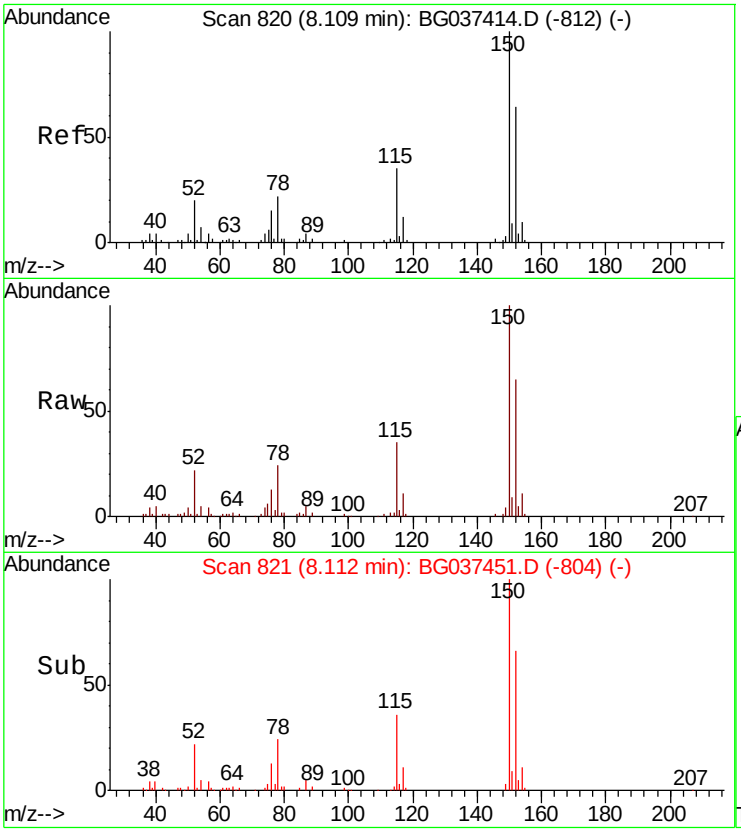


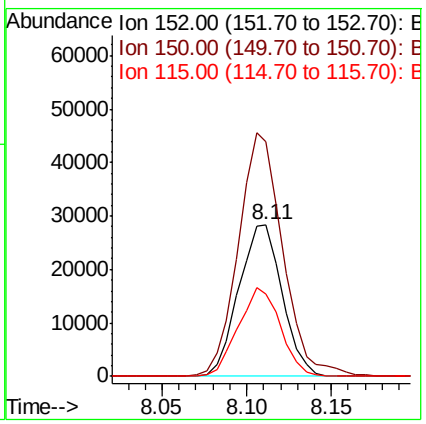


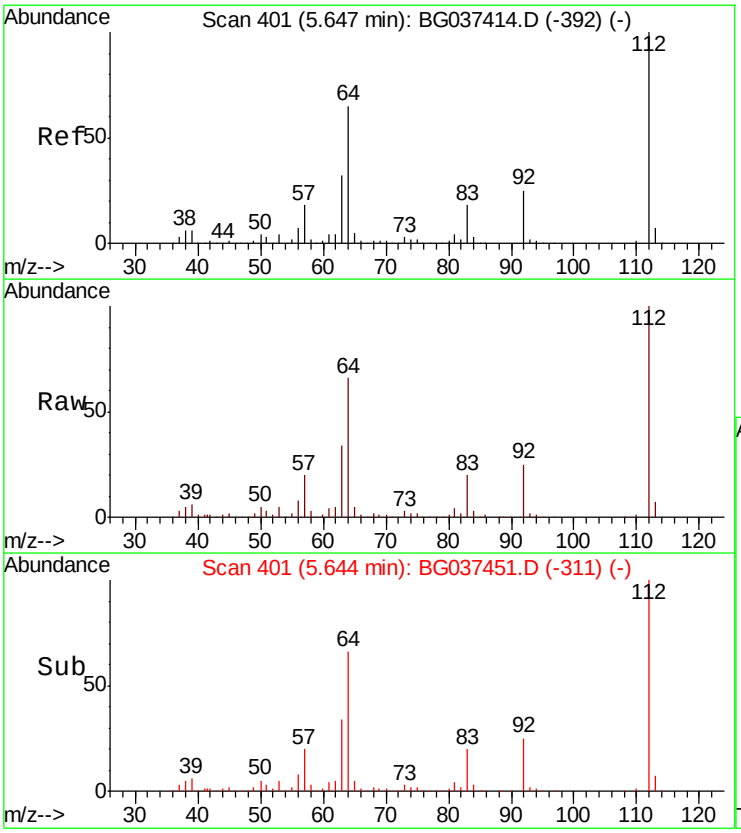
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 50410

Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.0	189.0
115	54.4	45.5	68.3

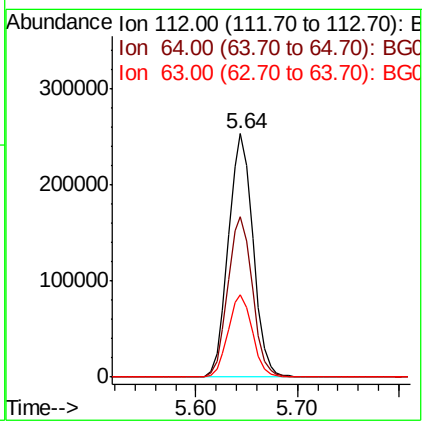


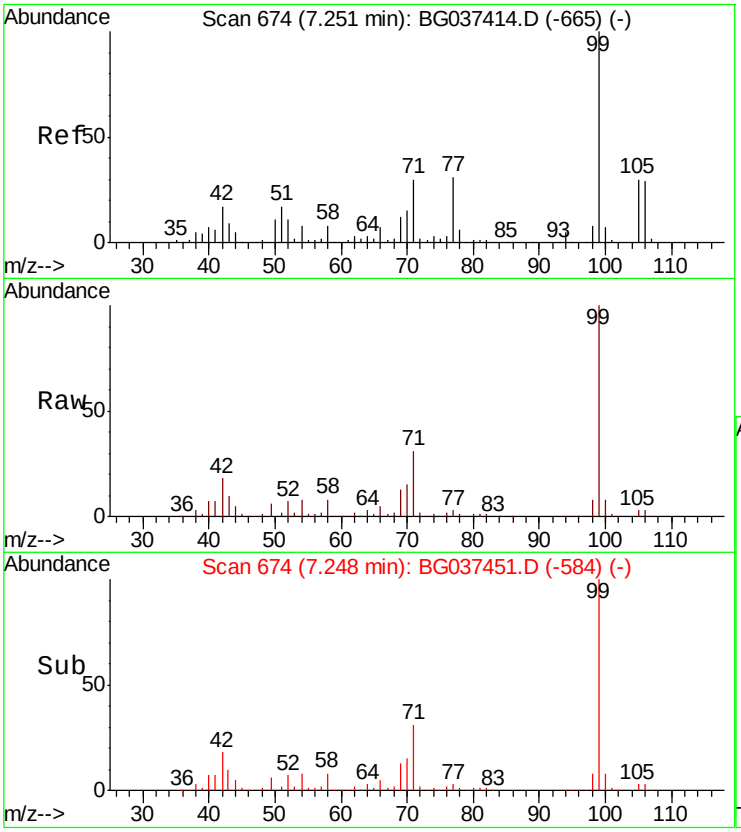


#5
2-Fluorophenol
Concen: 141.407 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:112 Resp: 426374

Ion	Ratio	Lower	Upper
112	100		
64	66.0	53.1	79.7
63	33.7	27.3	40.9



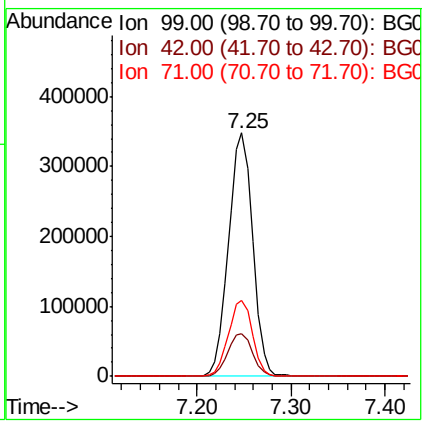


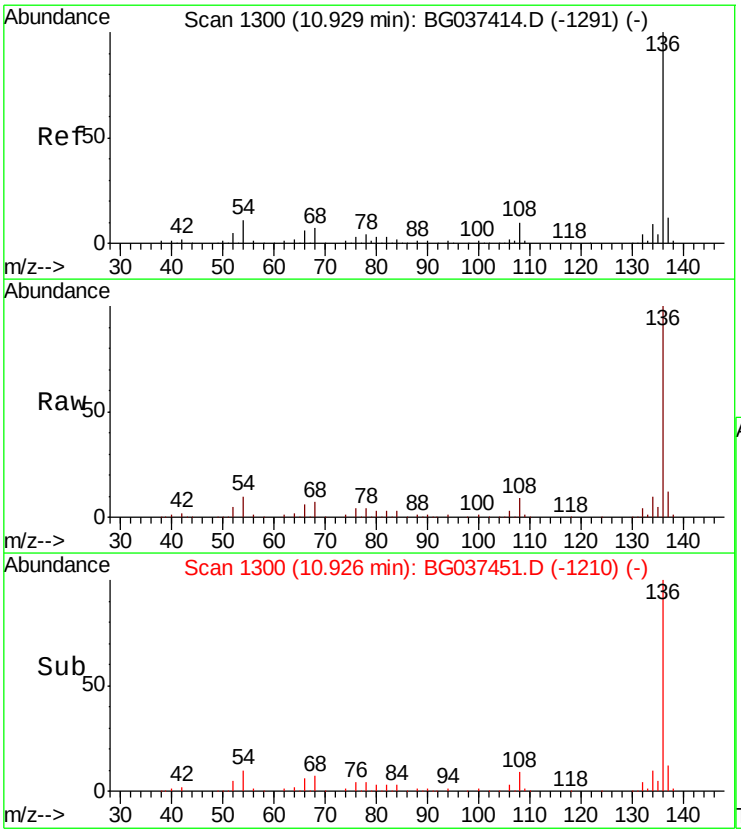
#7
Phenol-d6
Concen: 136.568 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 99 Resp: 622664

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.4
71	31.2	25.5	38.3

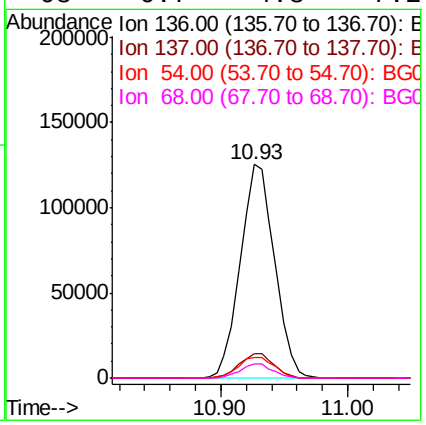


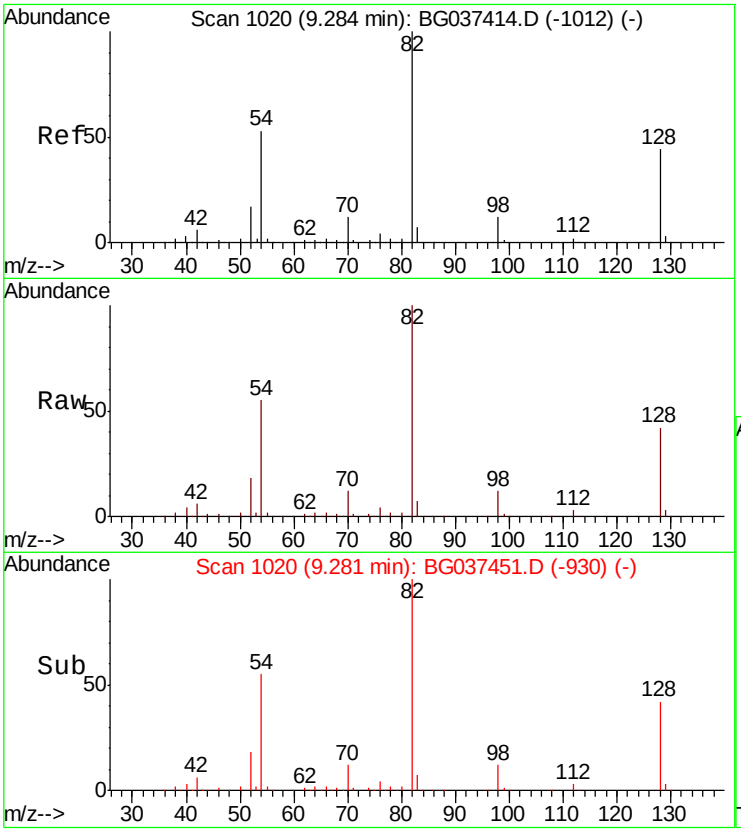


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:136 Resp: 234191

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	9.9	7.9	11.9
68	6.7	4.8	7.2



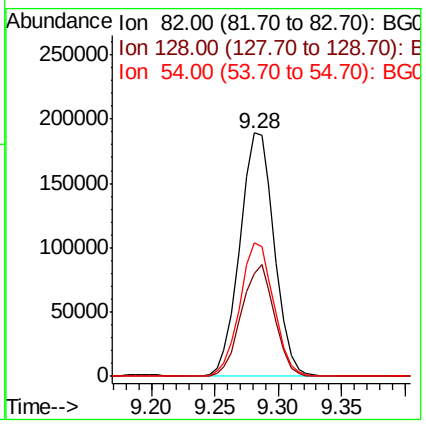


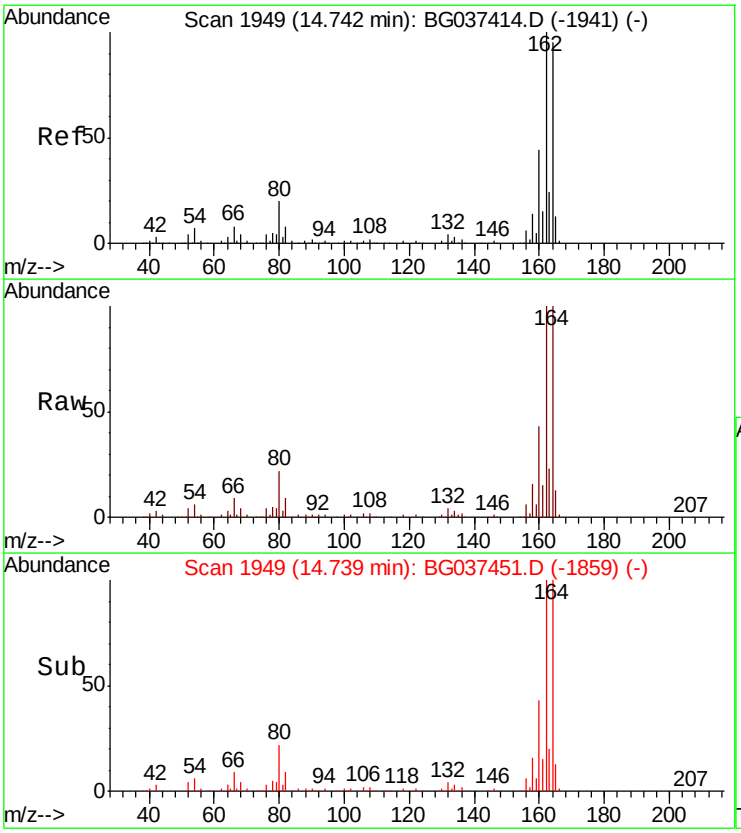
#23
Nitrobenzene-d5
Concen: 85.254 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 356409

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	51.8
54	54.7	45.3	67.9

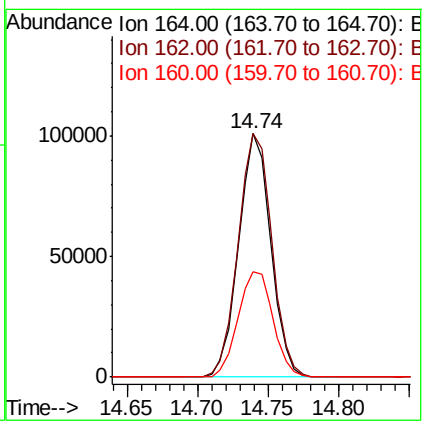


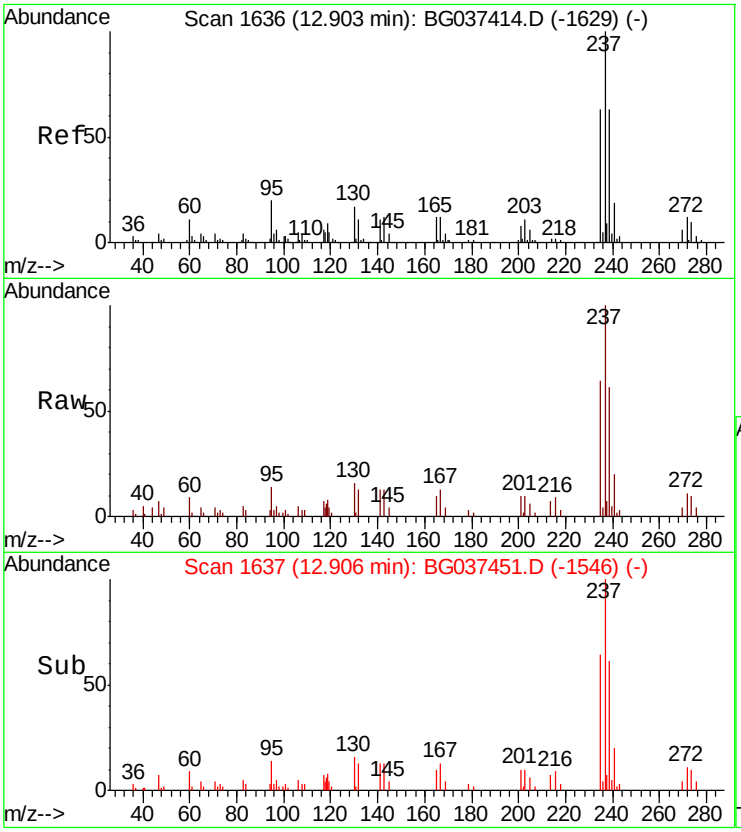


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:164 Resp: 160576

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.3	121.9
160	43.3	36.3	54.5



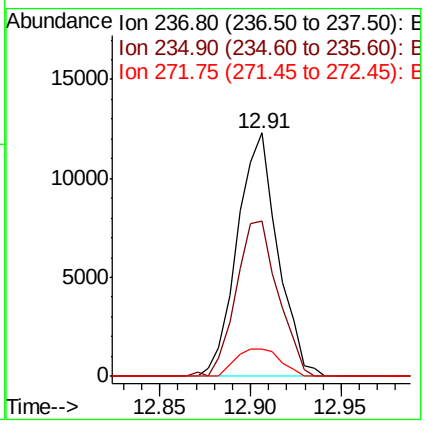


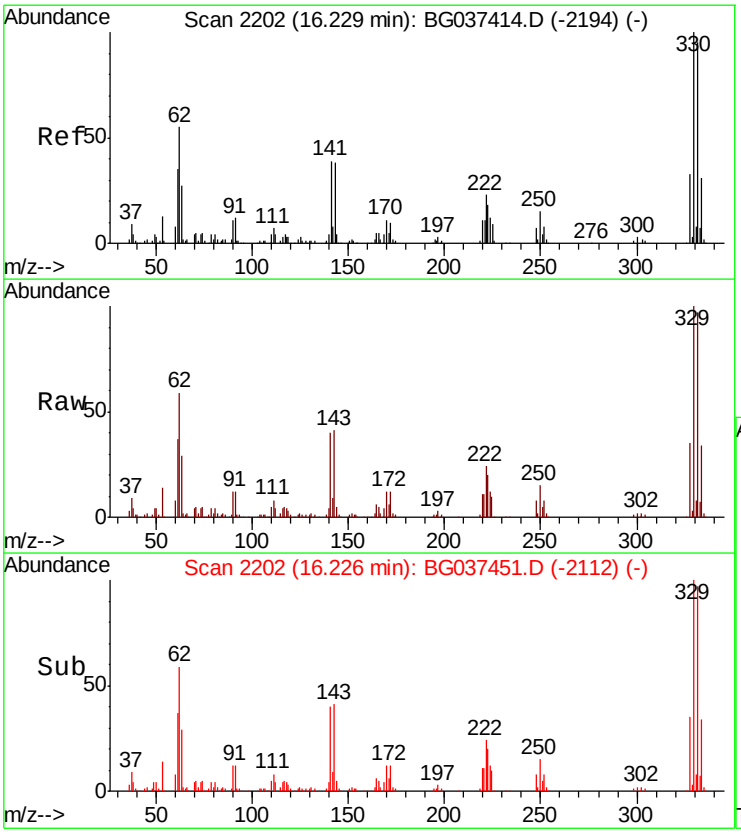
#41
Hexachlorocyclopentadiene
Concen: 7.701 ng
RT: 12.91 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:237 Resp: 19053

Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.5	82.5
272	11.0	0.0	31.6

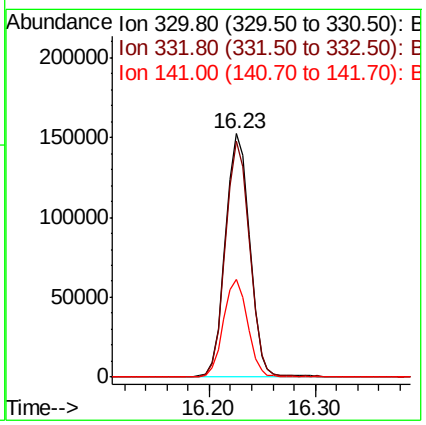


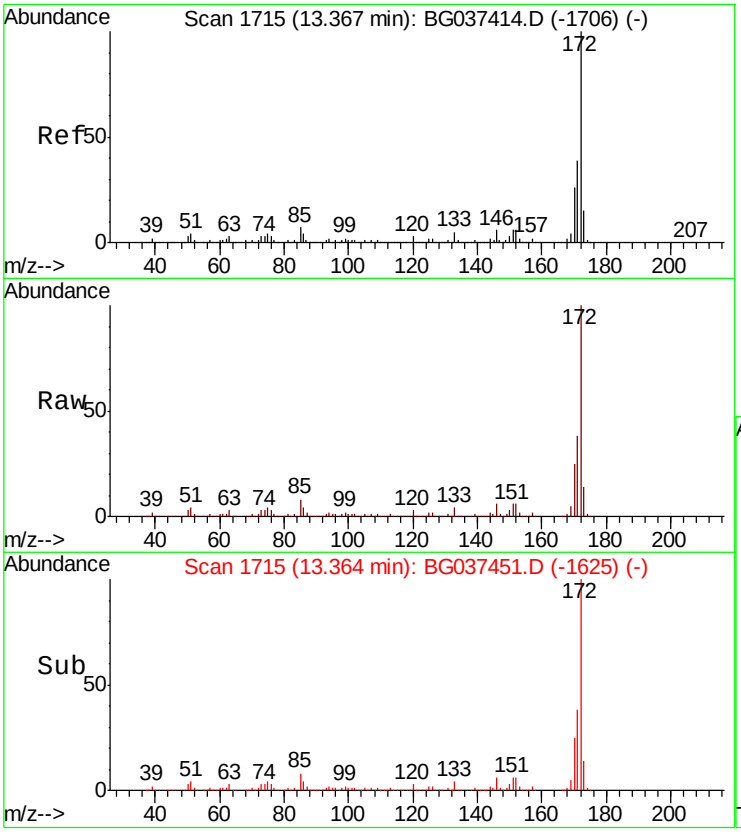


#42
2,4,6-Tribromophenol
Concen: 138.534 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:330 Resp: 242626

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.4	117.6
141	40.0	32.2	48.2



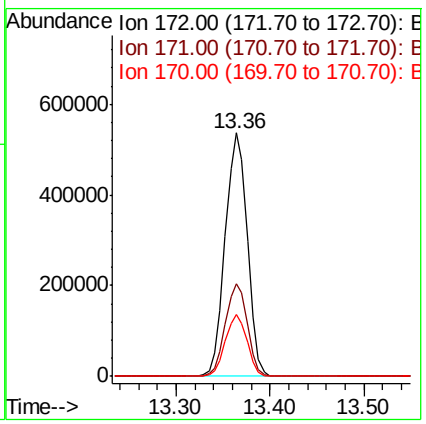


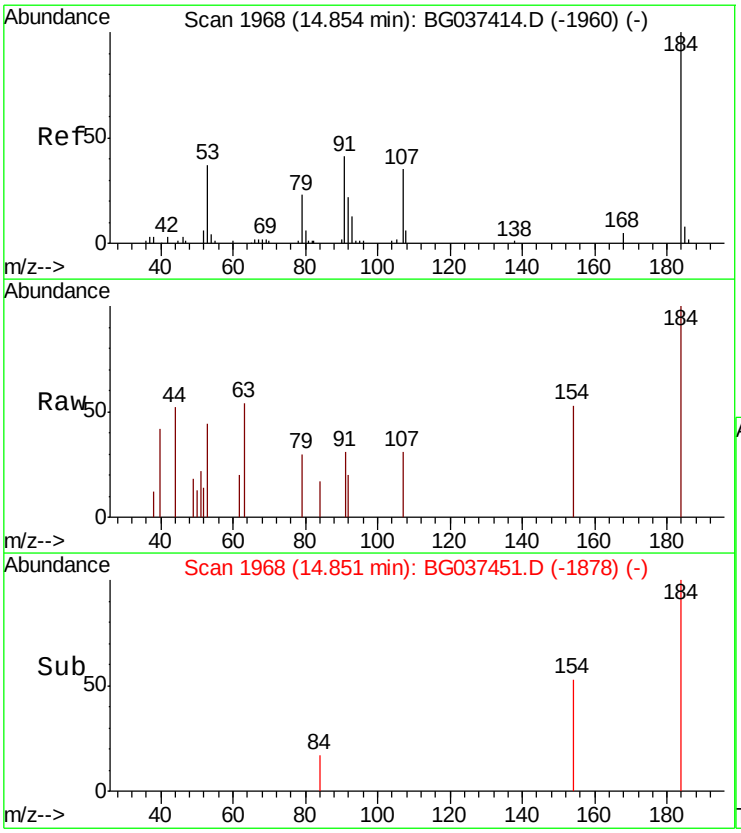
#45
2-Fluorobiphenyl
Concen: 81.990 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:172 Resp: 873085

Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	25.4	20.2	30.2

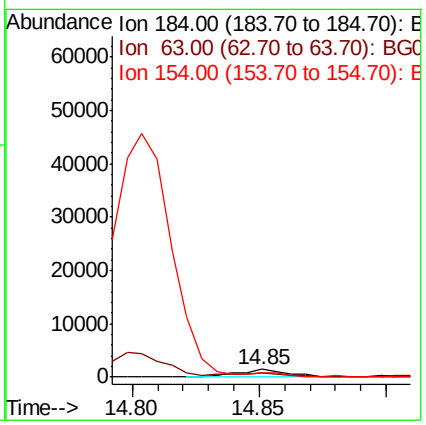


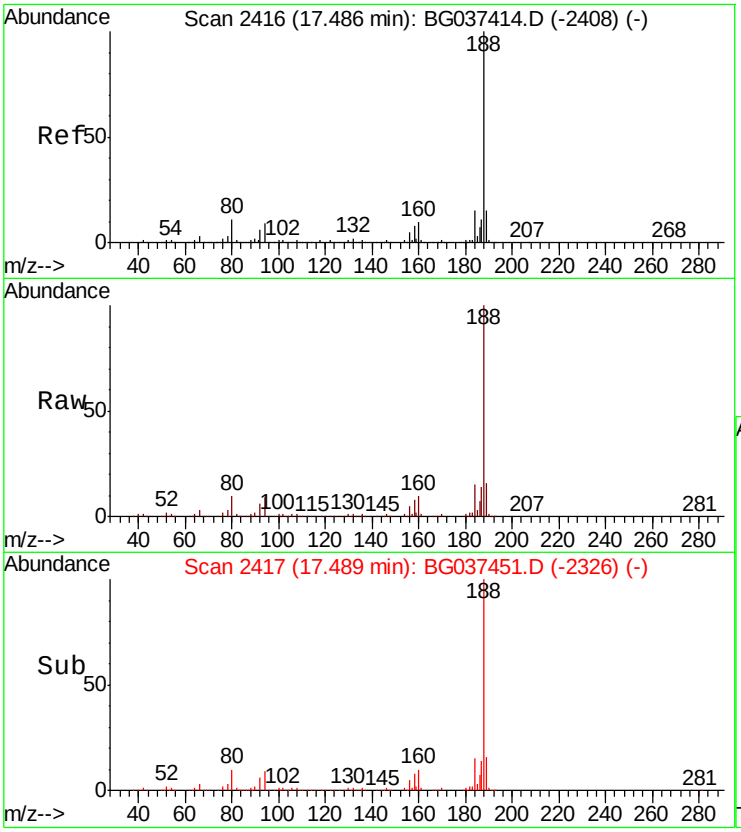


#54
2,4-Dinitrophenol
Concen: 9.080 ng
RT: 14.85 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:184 Resp: 1917

Ion	Ratio	Lower	Upper
184	100		
63	54.3	42.6	63.8
154	53.3	41.8	62.6



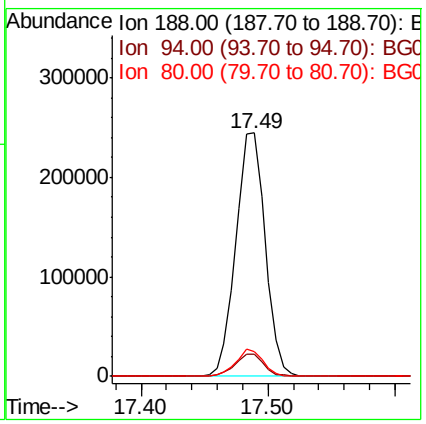


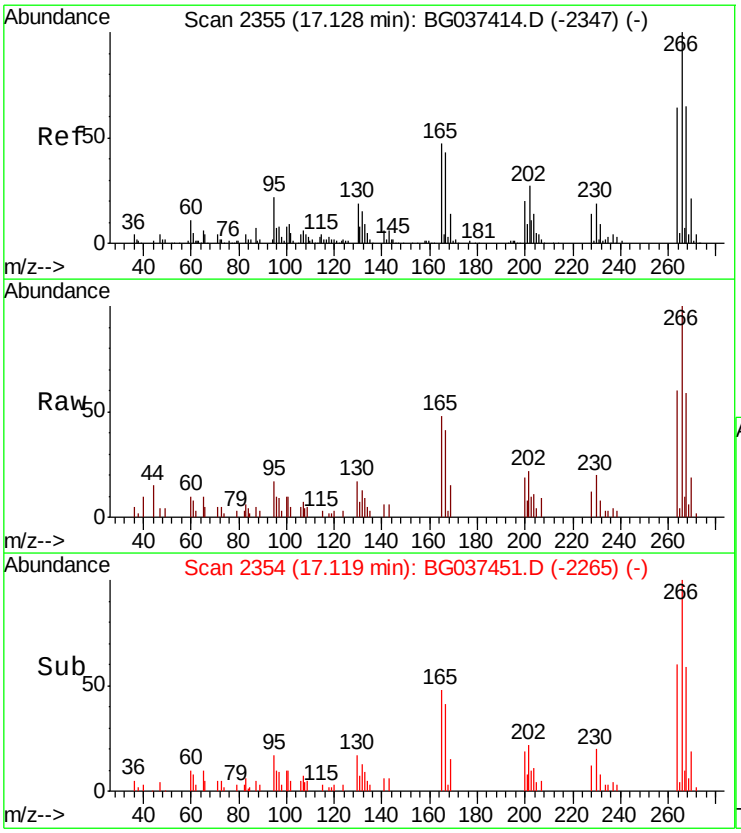
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:188 Resp: 392858

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.2	7.7	11.5

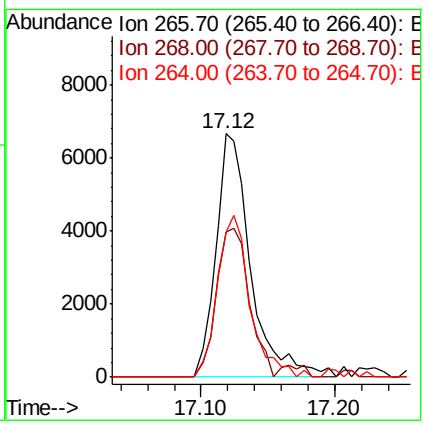


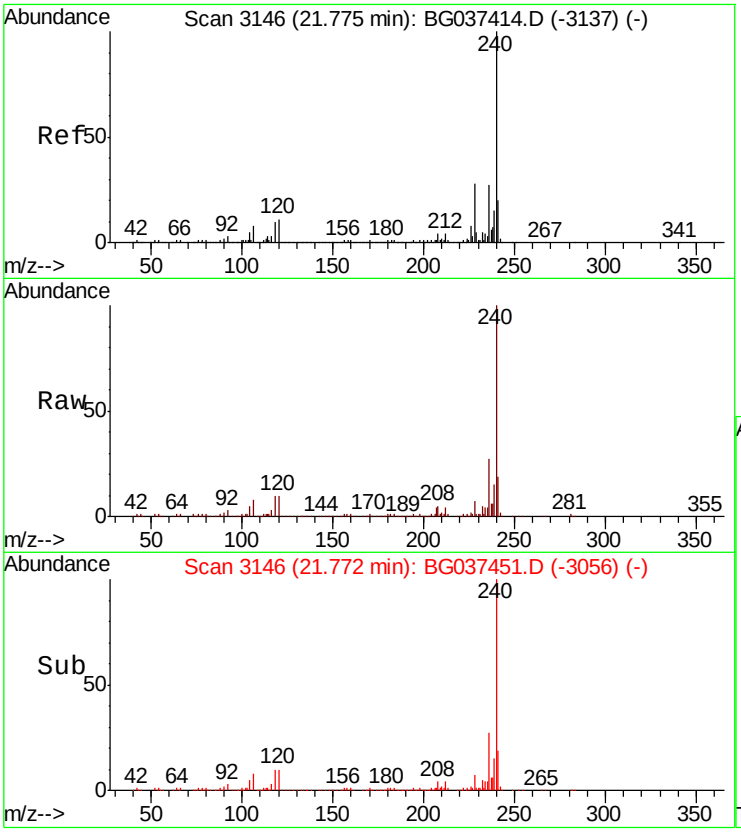


#70
Pentachlorophenol
Concen: 4.055 ng
RT: 17.12 min Scan# 2354
Delta R.T. -0.01 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:266 Resp: 12144

Ion	Ratio	Lower	Upper
266	100		
268	65.5	55.0	82.6
264	59.6	58.9	88.3



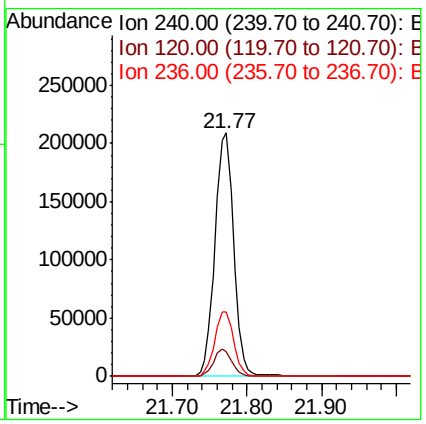


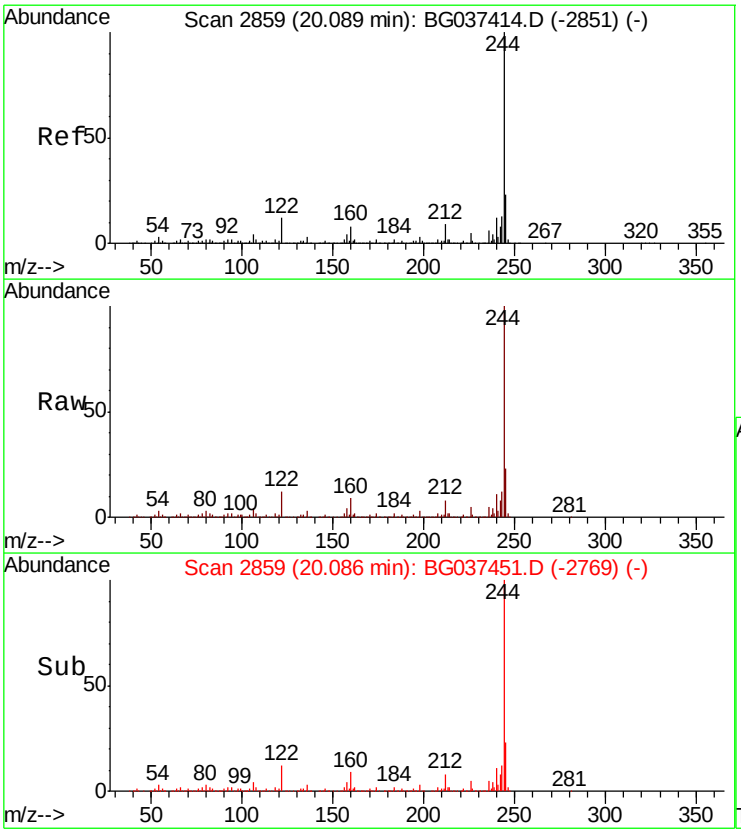
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:240 Resp: 365611

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.1	12.1
236	26.6	21.4	32.0

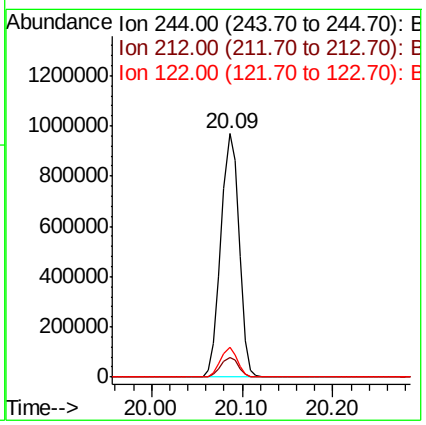


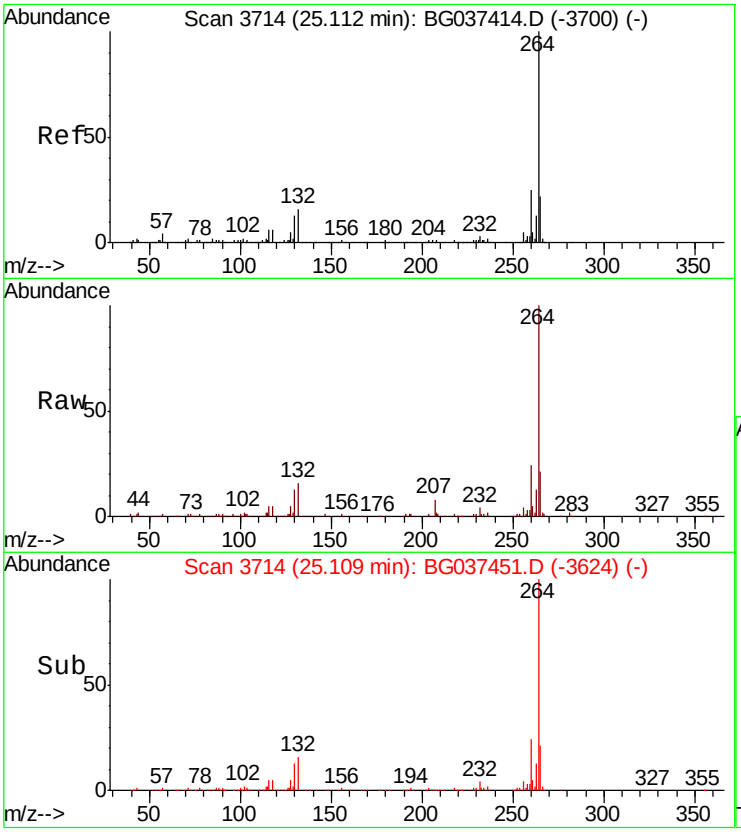


#79
Terphenyl-d14
Concen: 78.943 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Tgt Ion:244 Resp: 1350755

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	12.1	9.0	13.4





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BG037451.D
Acq: 19 Oct 2018 13:21

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:264 Resp: 362439

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	20.9	17.9	26.9