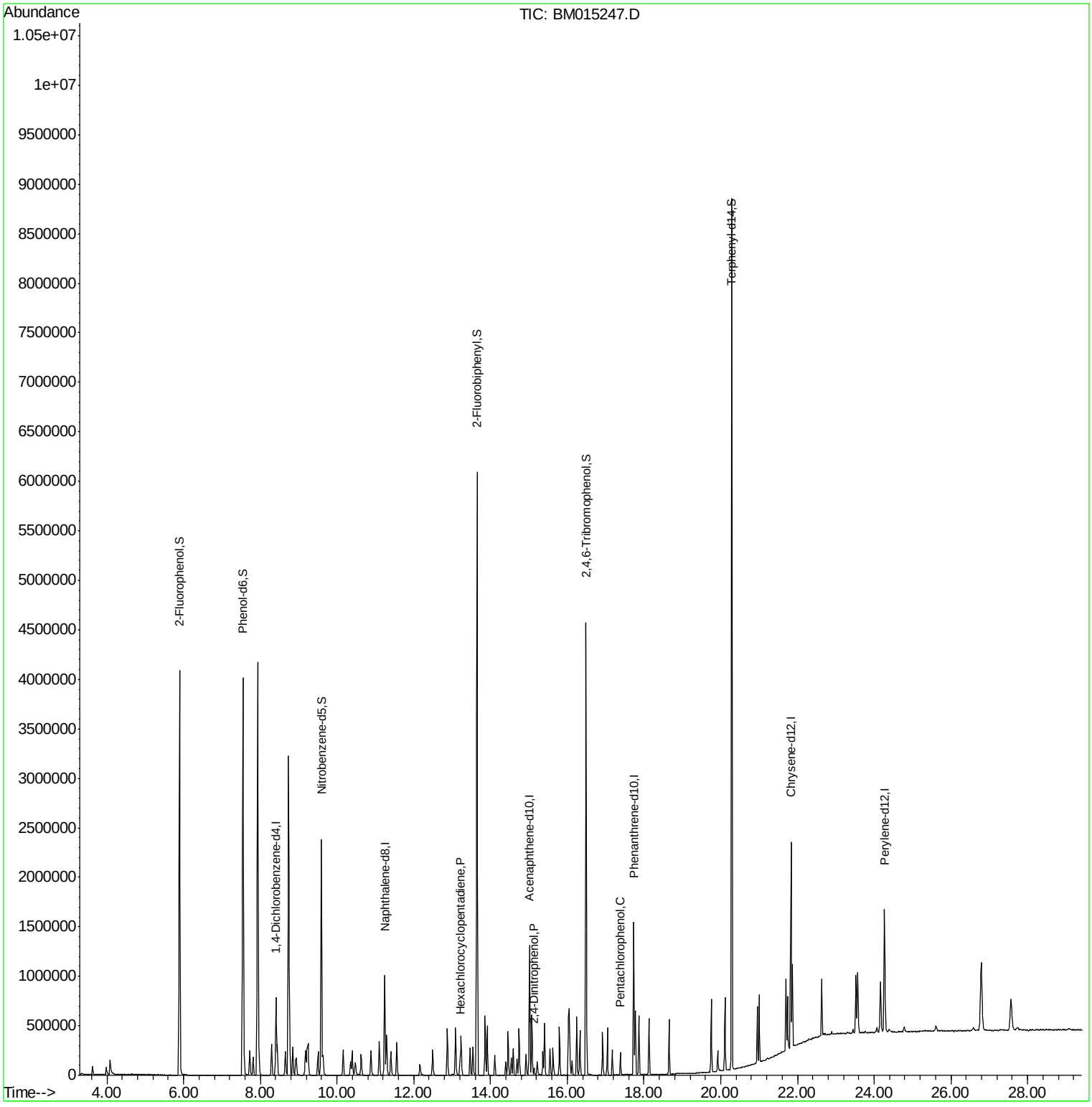
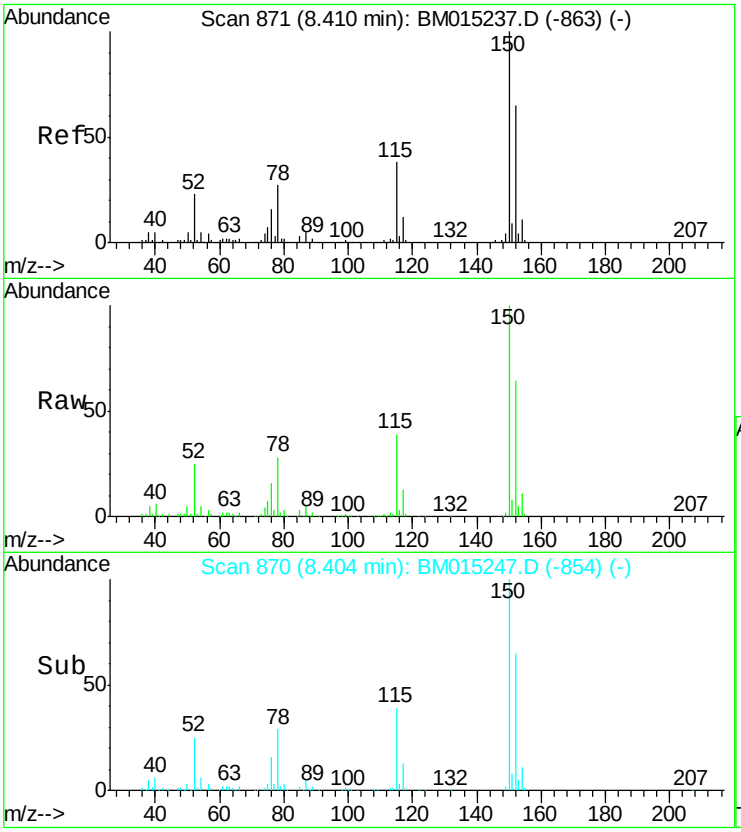
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015247.D
Acq On : 22 May 2018 19:22
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 8 PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 05:15:19 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration



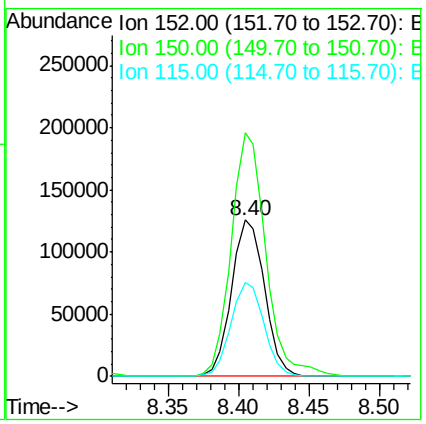


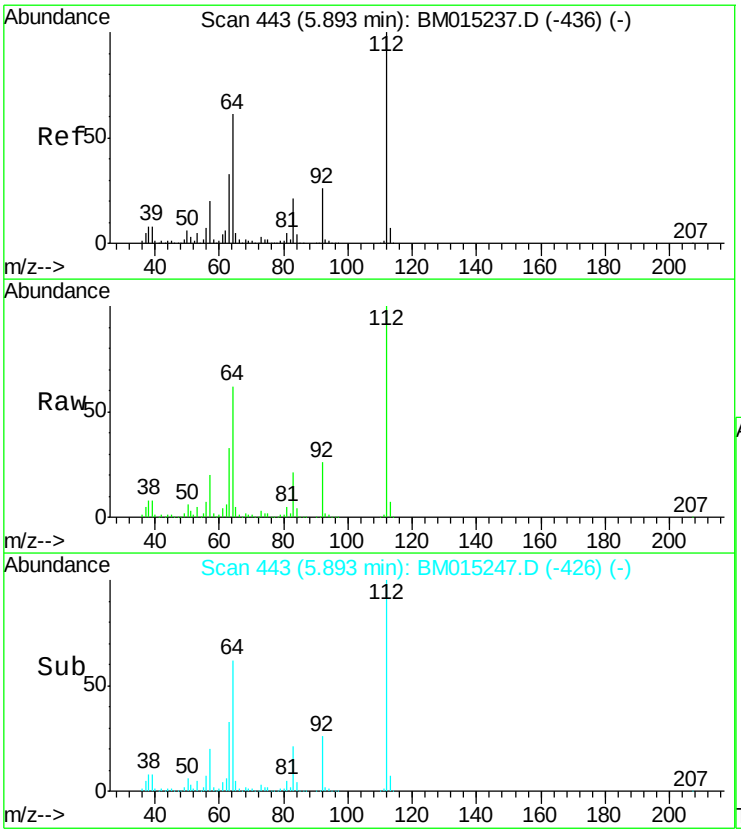
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:152 Resp: 205913

Ion	Ratio	Lower	Upper
152	100		
150	156.1	119.5	179.3
115	60.4	43.0	64.4

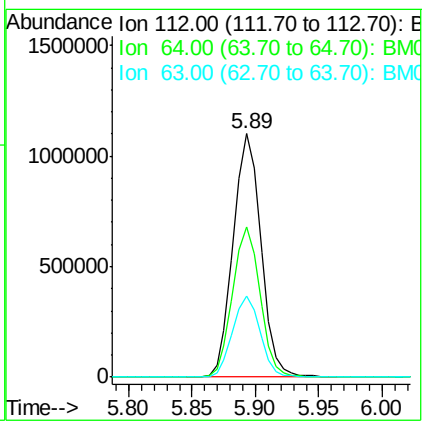


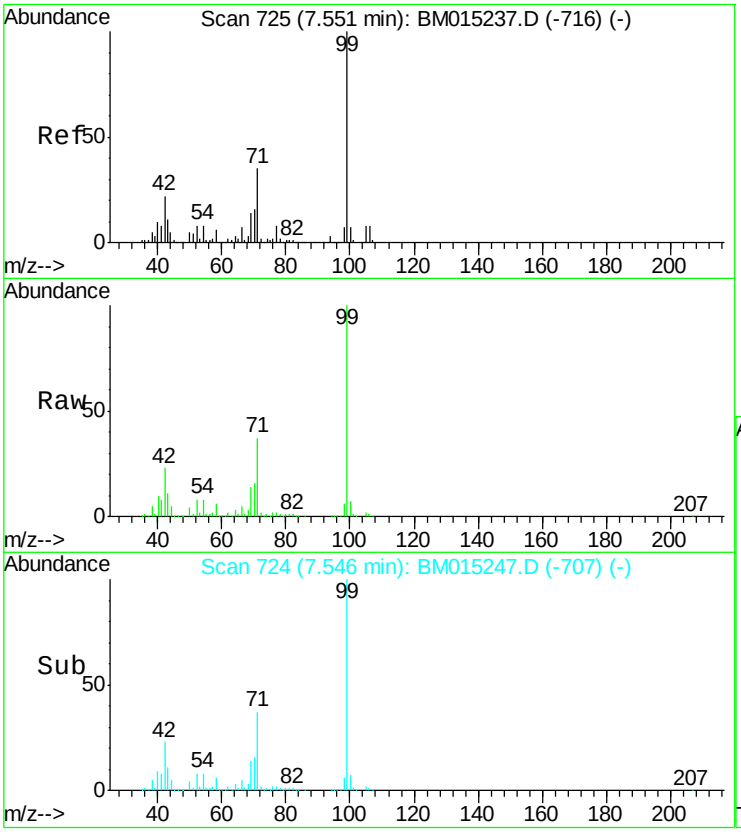


#5
2-Fluorophenol
Concen: 132.807 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:112 Resp: 1671478

Ion	Ratio	Lower	Upper
112	100		
64	61.7	38.6	57.8#
63	33.4	19.3	28.9#



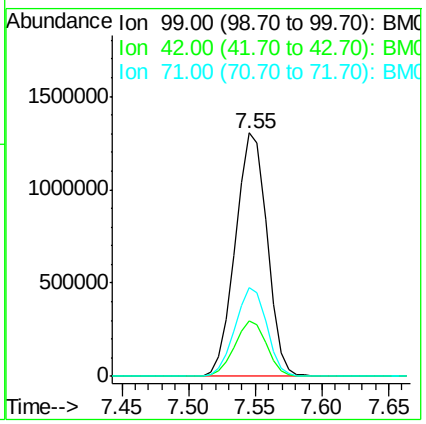


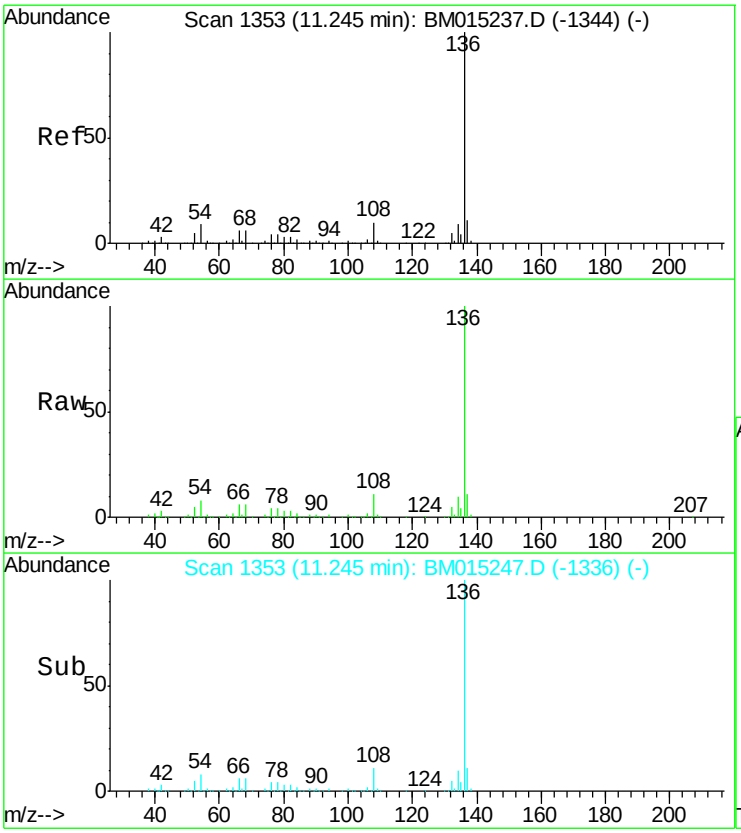
#7
Phenol-d6
Concen: 131.513 ng
RT: 7.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 99 Resp: 2155391

Ion	Ratio	Lower	Upper
99	100		
42	22.7	11.0	16.4#
71	36.5	23.4	35.2#

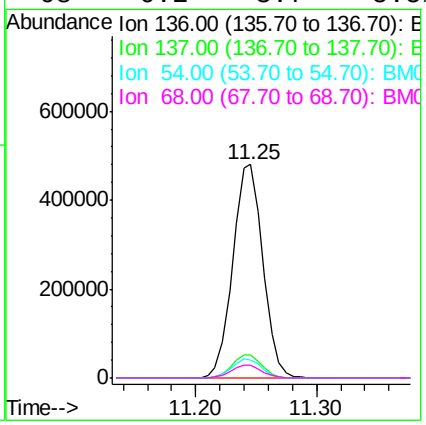


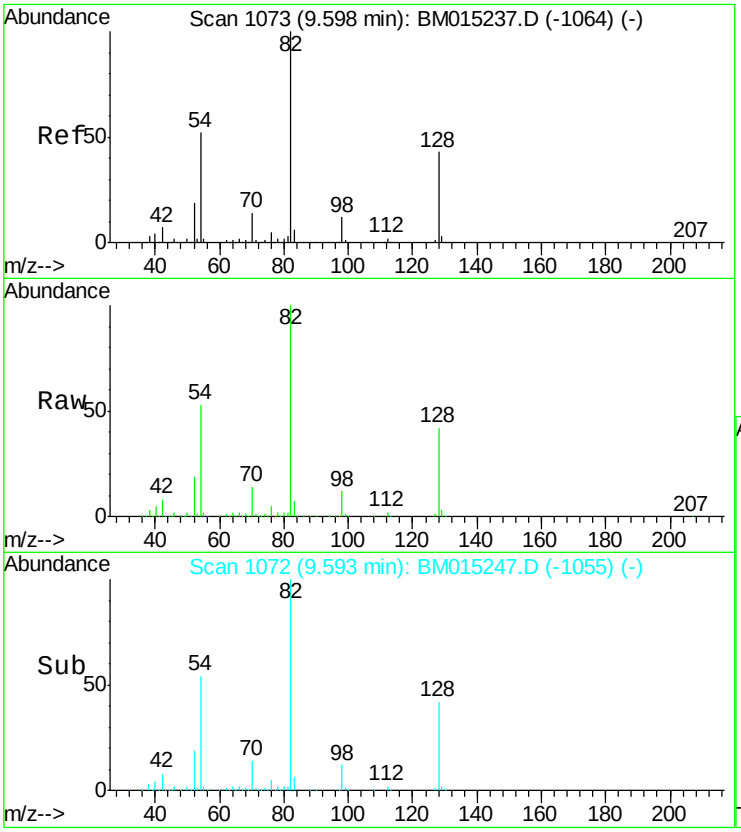


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:136 Resp: 833291

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.4	4.6	6.8#
68	6.2	3.7	5.5#



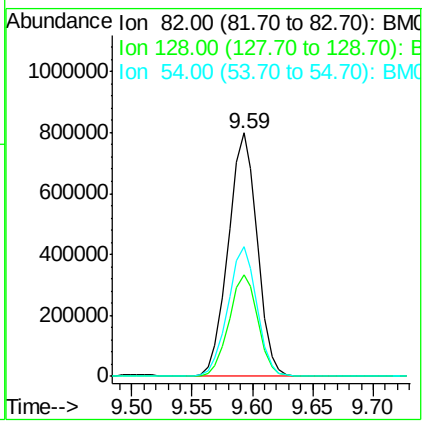


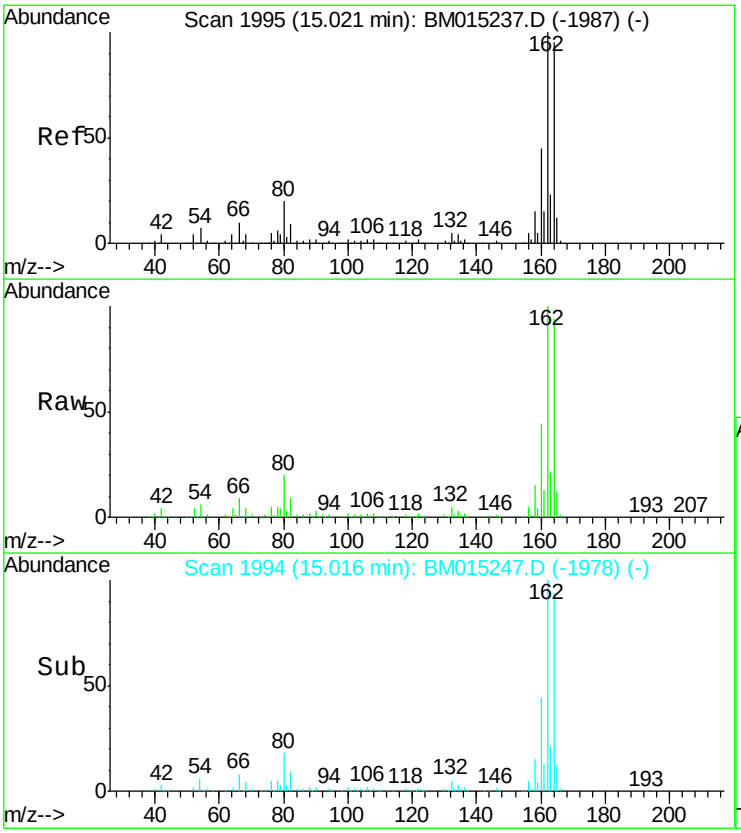
#23
Nitrobenzene-d5
Concen: 87.688 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion: 82 Resp: 1333870

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.8	49.2
54	53.2	40.6	60.8

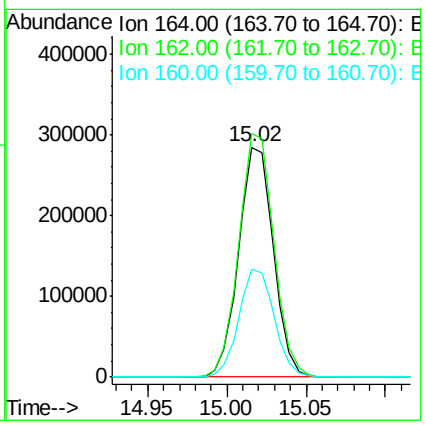


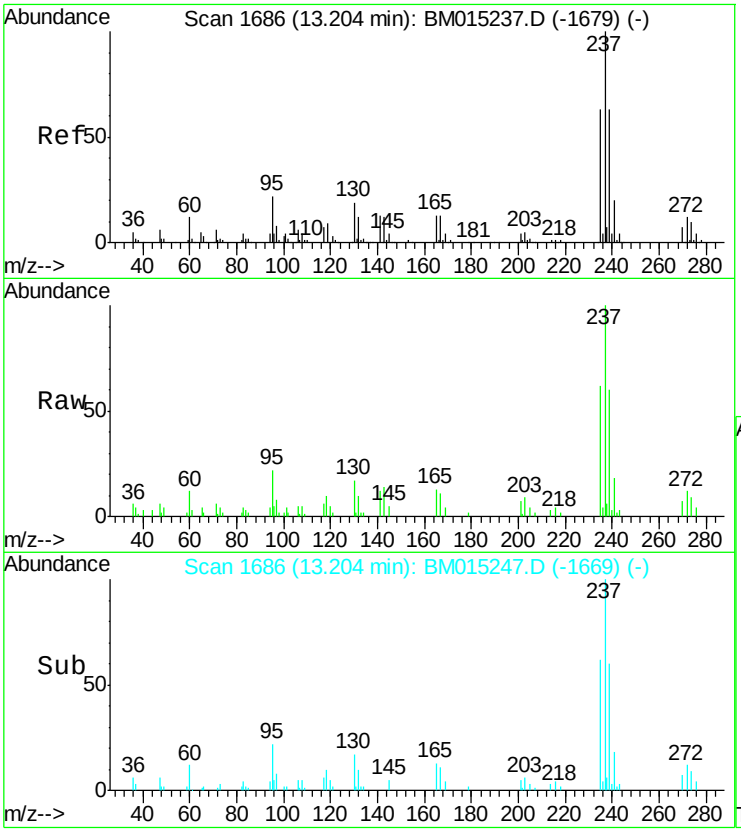


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.02 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:164 Resp: 432915

Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.4	123.6
160	47.1	35.8	53.6



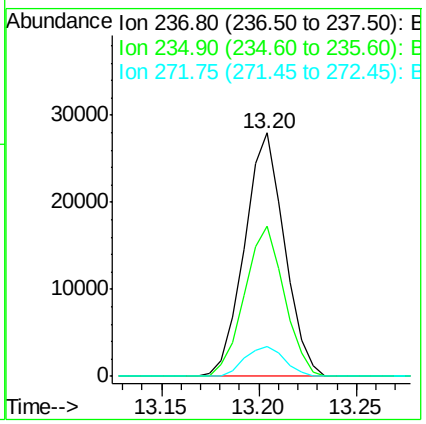


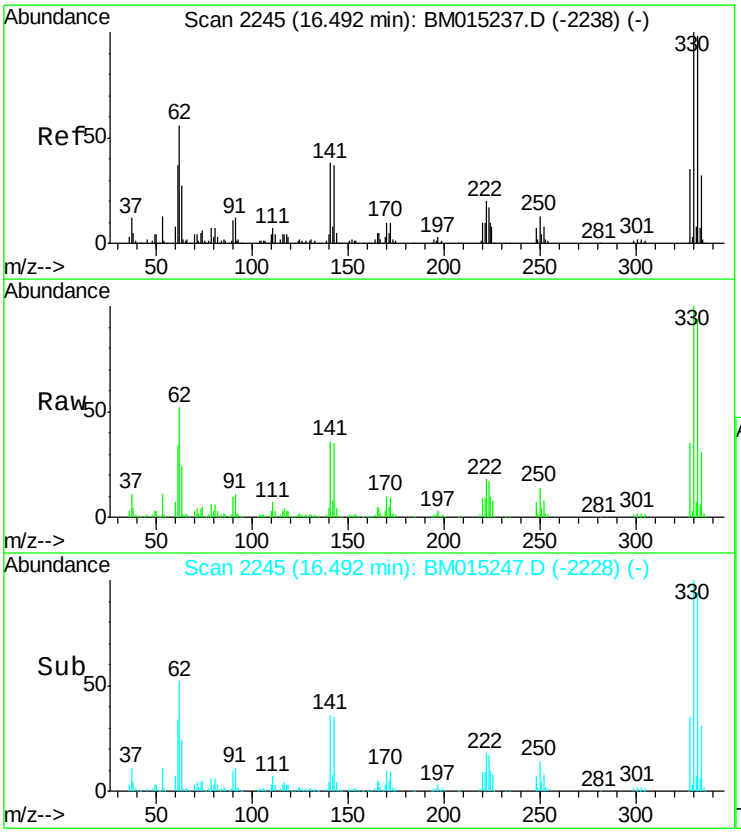
#40
Hexachlorocyclopentadiene
Concen: 8.979 ng
RT: 13.20 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:237 Resp: 39554

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.0	82.0
272	12.0	0.0	33.4

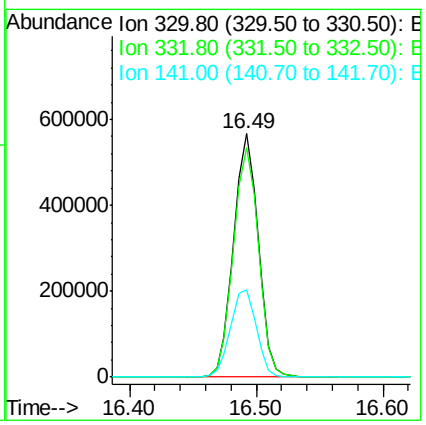


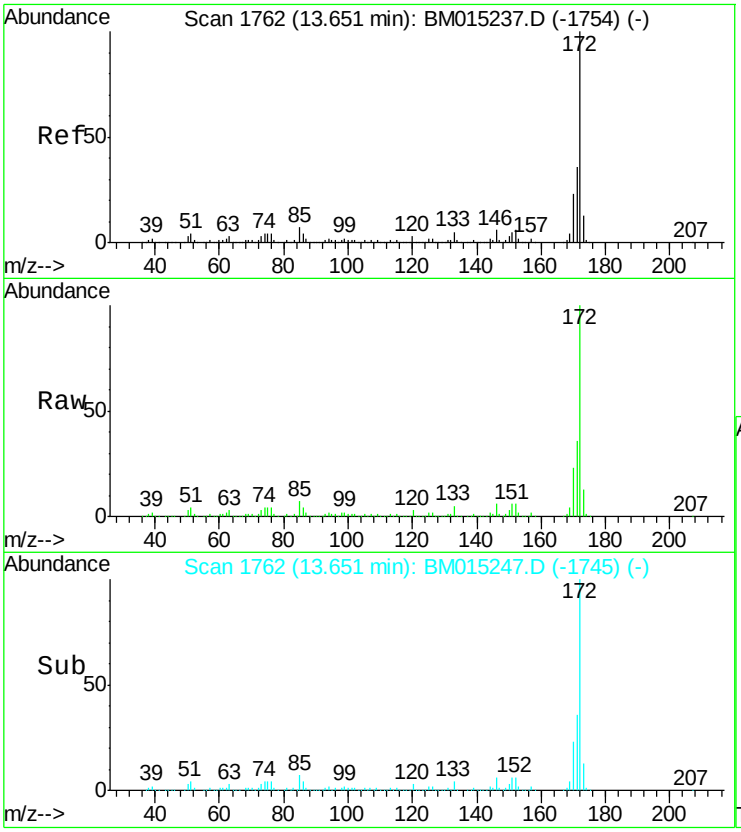


#41
2,4,6-Tribromophenol
Concen: 140.340 ng
RT: 16.49 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:330 Resp: 761853

Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	37.9	0.0	0.0#



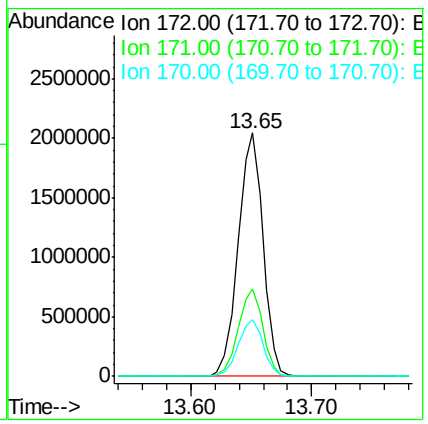


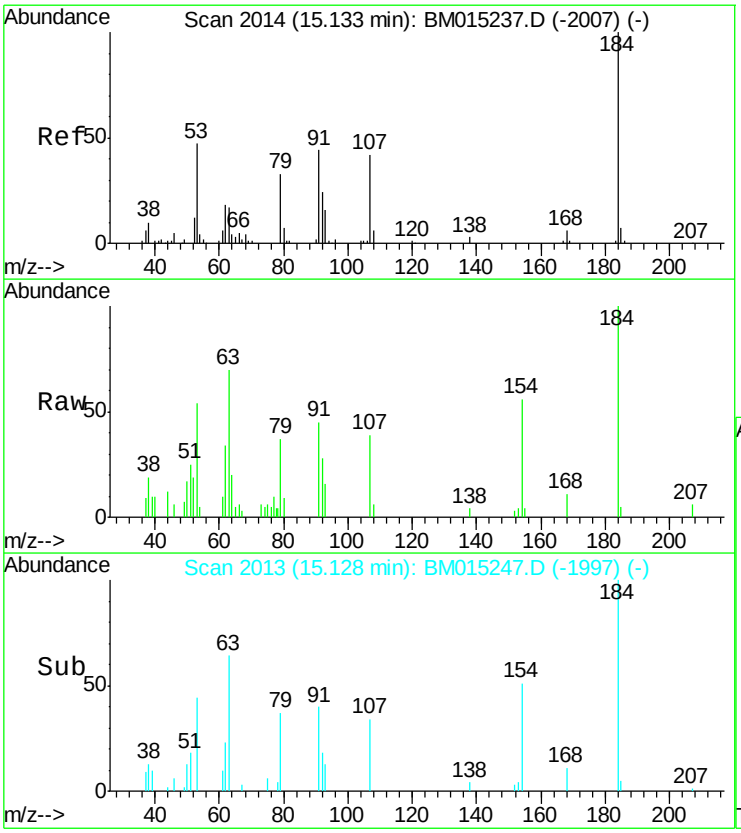
#44
2-Fluorobiphenyl
Concen: 84.321 ng
RT: 13.65 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:172 Resp: 2936444

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.5	42.7
170	23.3	18.8	28.2

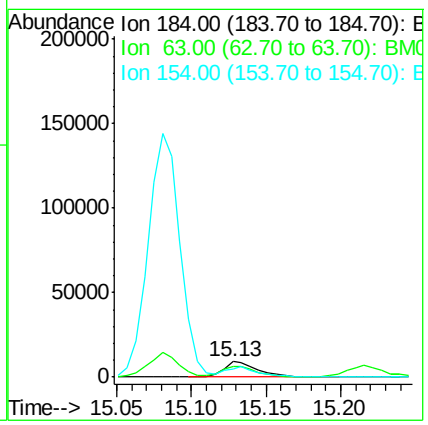


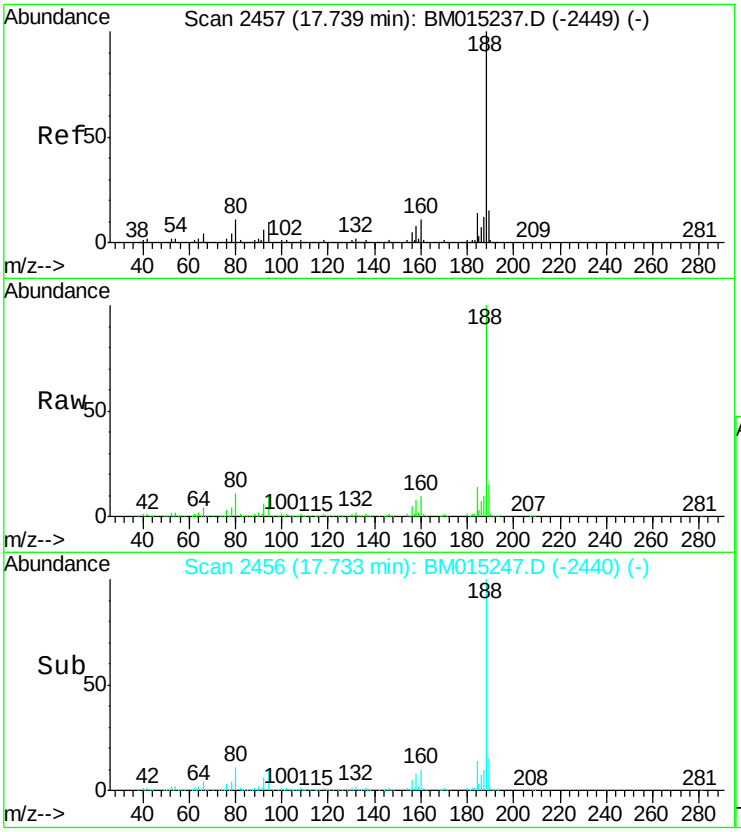


#53
2,4-Dinitrophenol
Concen: 9.704 ng
RT: 15.13 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:184 Resp: 14815

Ion	Ratio	Lower	Upper
184	100		
63	70.0	69.2	103.8
154	55.6	53.3	79.9



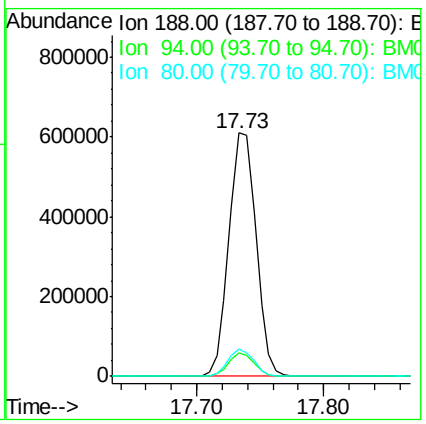


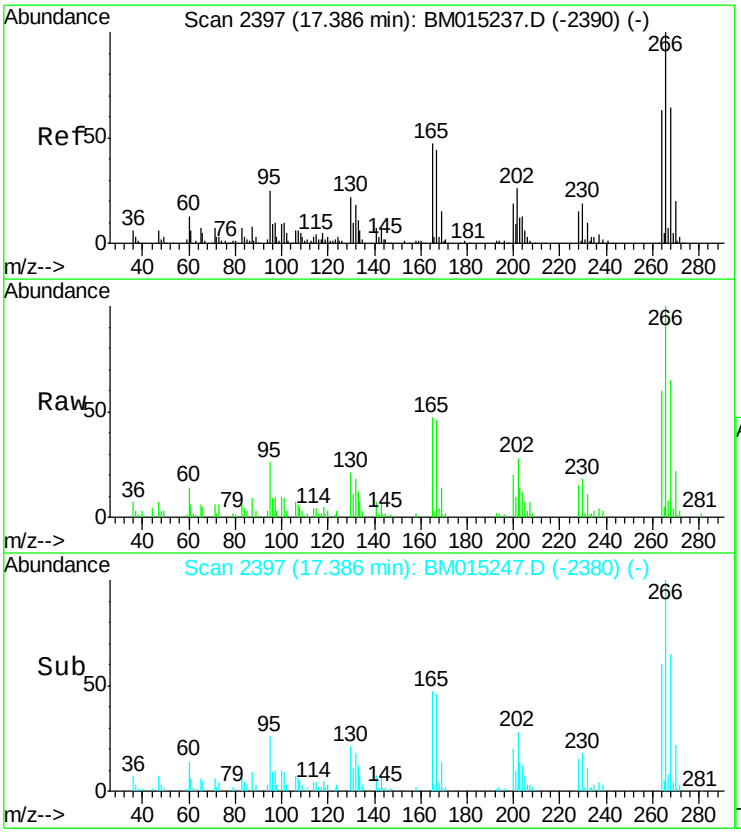
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:188 Resp: 903847

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.7	13.1
80	11.1	9.3	13.9

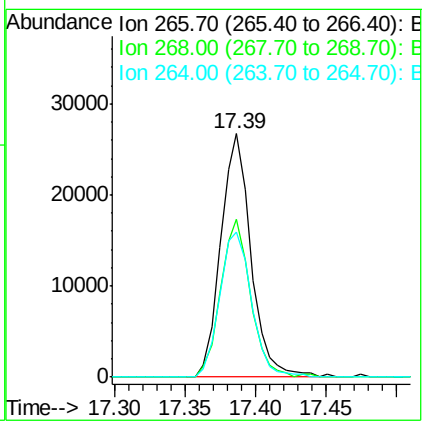


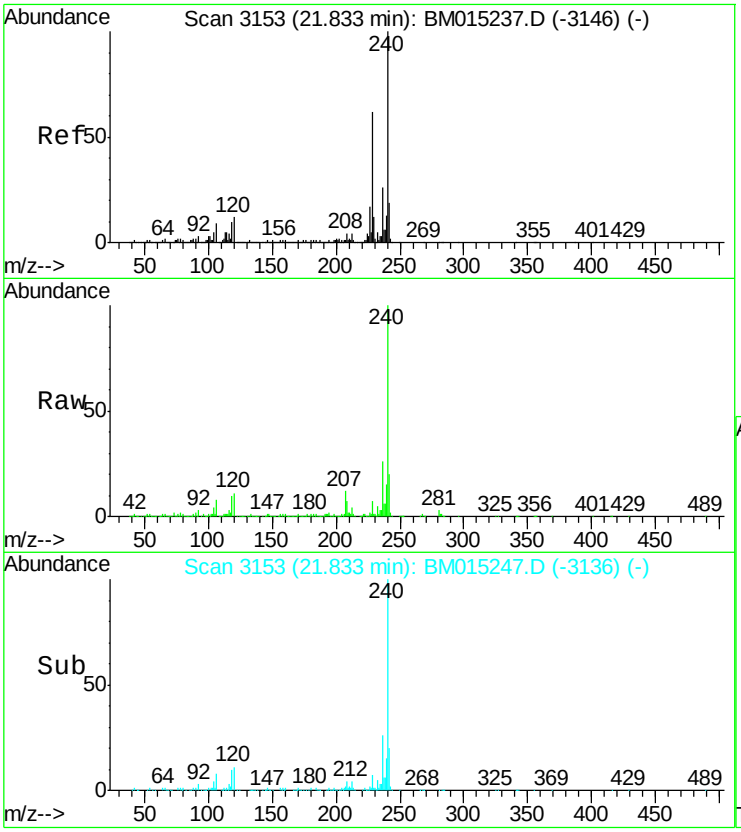


#69
Pentachlorophenol
Concen: 6.153 ng
RT: 17.39 min Scan# 2397
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:266 Resp: 39831

Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.0	78.0
264	59.7	49.0	73.4



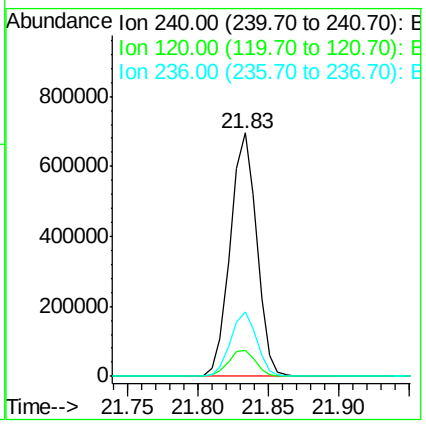


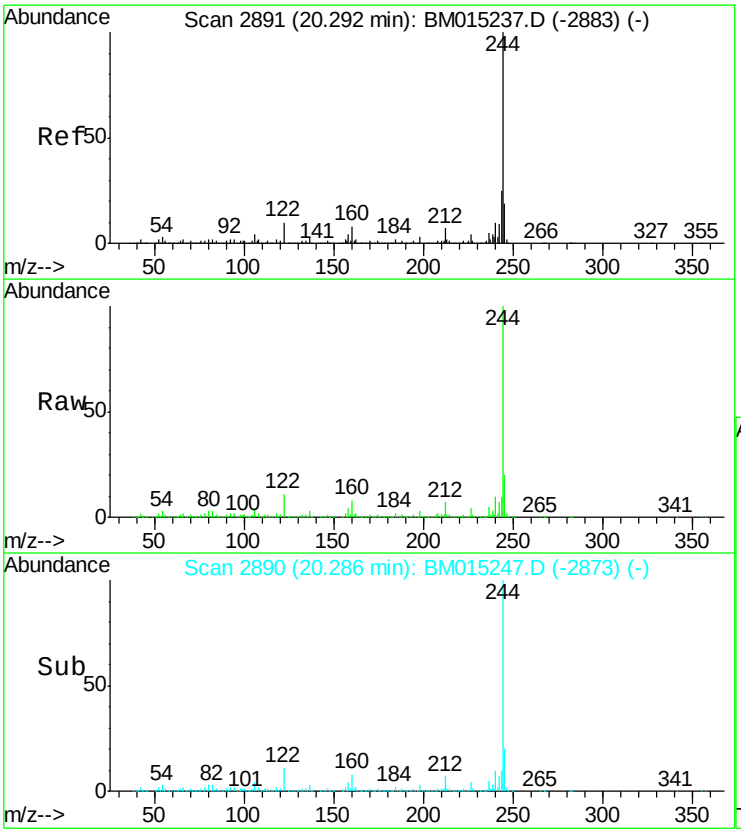
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:240 Resp: 908867

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	26.2	20.0	30.0

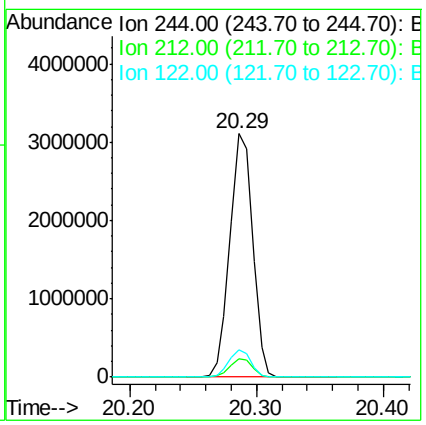


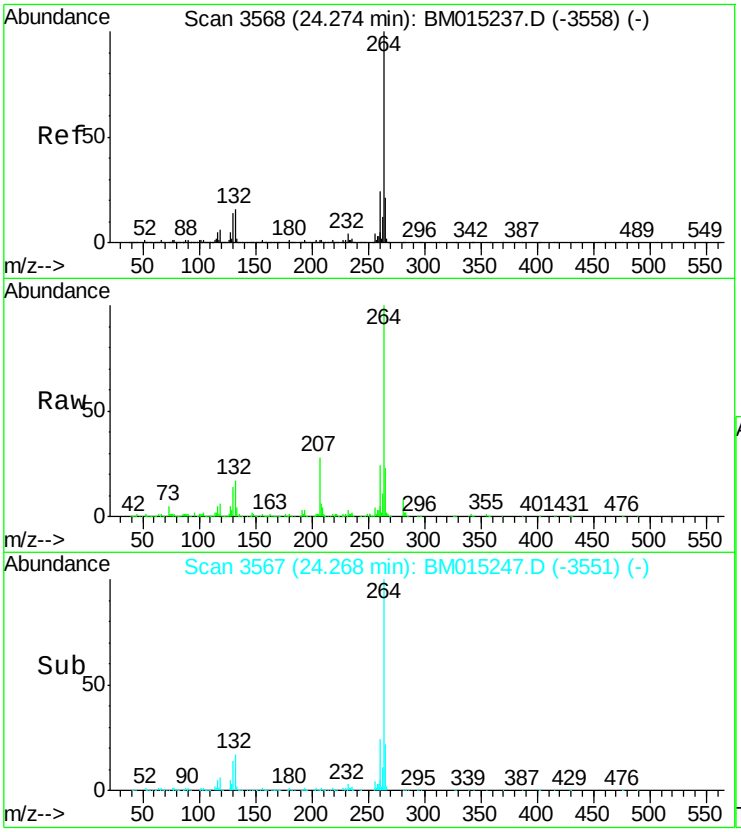


#78
Terphenyl-d14
Concen: 93.689 ng
RT: 20.29 min Scan# 2890
Delta R.T. 0.00 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Tgt Ion:244 Resp: 3856094

Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.9	7.3#
122	11.4	6.2	9.4#



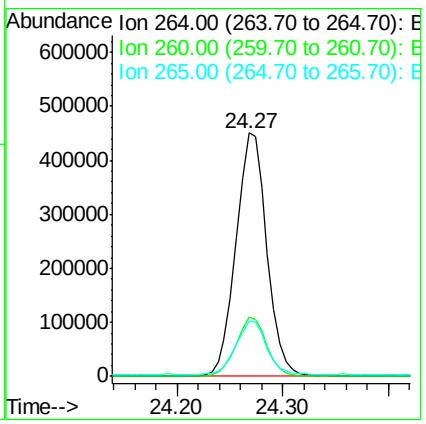


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BM015247.D
Acq: 22 May 2018 19:22

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2018

Tgt Ion:264 Resp: 911481

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.6	17.3	25.9



Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015247.D
Acq On : 22 May 2018 19:22
Operator : SJ/JU
Sample : J2133-01
Misc : LOD 8 PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT2-2018

Quant Time: May 23 05:15:19 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	205913	20.00	ng	0.00
21) Naphthalene-d8	11.25	136	833291	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	432915	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	903847	20.00	ng	0.00
75) Chrysene-d12	21.83	240	908867	20.00	ng	0.00
86) Perylene-d12	24.27	264	911481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.89	112	1671478	132.81	ng	0.00
7) Phenol-d6	7.55	99	2155391	131.51	ng	0.00
23) Nitrobenzene-d5	9.59	82	1333870	87.69	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	761853	140.34	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2936444	84.32	ng	0.00
78) Terphenyl-d14	20.29	244	3856094	93.69	ng	0.00
Target Compounds						Qvalue
40) Hexachlorocyclopentadiene	13.20	237	39554	8.979	ng	99
53) 2,4-Dinitrophenol	15.13	184	14815	9.704	ng	84
69) Pentachlorophenol	17.39	266	39831	6.153	ng	99

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