Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097696.D
Acq On : 15 Aug 2017 17:38
Operator : SJ/JU
Sample : I4768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HAMILTON-PL-SOIL-66

Quant Time: Aug 16 03:52:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132802	20.00	ng		0.00
21) Naphthalene-d8	8.06	136	545139	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	247961	20.00	ng		0.00
63) Phenanthrene-d10	11.30	188	483550	20.00	ng		0.00
75) Chrysene-d12	13.93	240	344798	20.00	ng		0.00
86) Perylene-d12	15.36	264	258547	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	728437	83.43	ng		0.00
7) Phenol-d6	6.40	99	1009657	85.11	ng		0.00
23) Nitrobenzene-d5	7.35	82	596818	59.47	ng		0.00
41) 2,4,6-Tribromophenol	10.60	330	188690	87.70	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	873339	51.75	ng		0.00
78) Terphenyl-d14	12.89	244	766250	46.34	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.42	94	35449	2.56	ng		98
19) n-Nitroso-di-n-propylamine	7.35	70	88025	10.84	ng	#	73
25) Isophorone	7.35	82	596510	28.59	ng	#	67
32) Benzoic acid	7.73	122	123	6.42	ng	#	53
49) Dimethylphthalate	9.53	163	108860	6.01	ng		99
56) 2,4-Dinitrotoluene	9.82	165	33316	7.34	ng	#	34
64) 4,6-Dinitro-2-methylphenol	10.60	198	210	8.40	ng	#	1
66) 4-Bromophenyl-phenylether	10.60	248	12178	2.43	ng	#	1
70) Phenanthrene	11.33	178	247698	9.61	ng		100
71) Anthracene	11.37	178	177097	6.78	ng		99
74) Fluoranthene	12.51	202	433942	16.13	ng		95
77) Pyrene	12.74	202	336783	11.94	ng		96
80) Benzo(a)anthracene	13.92	228	74515	3.61	ng		97
82) Chrysene	13.96	228	64850	3.15	ng		97
87) Benzo(b)fluoranthene	14.95	252	60858	3.73	ng	#	83
88) Benzo(k)fluoranthene	14.95	252	60858	3.97	ng	#	85
89) Benzo(a)pyrene	15.30	252	30606	2.12	ng	#	75

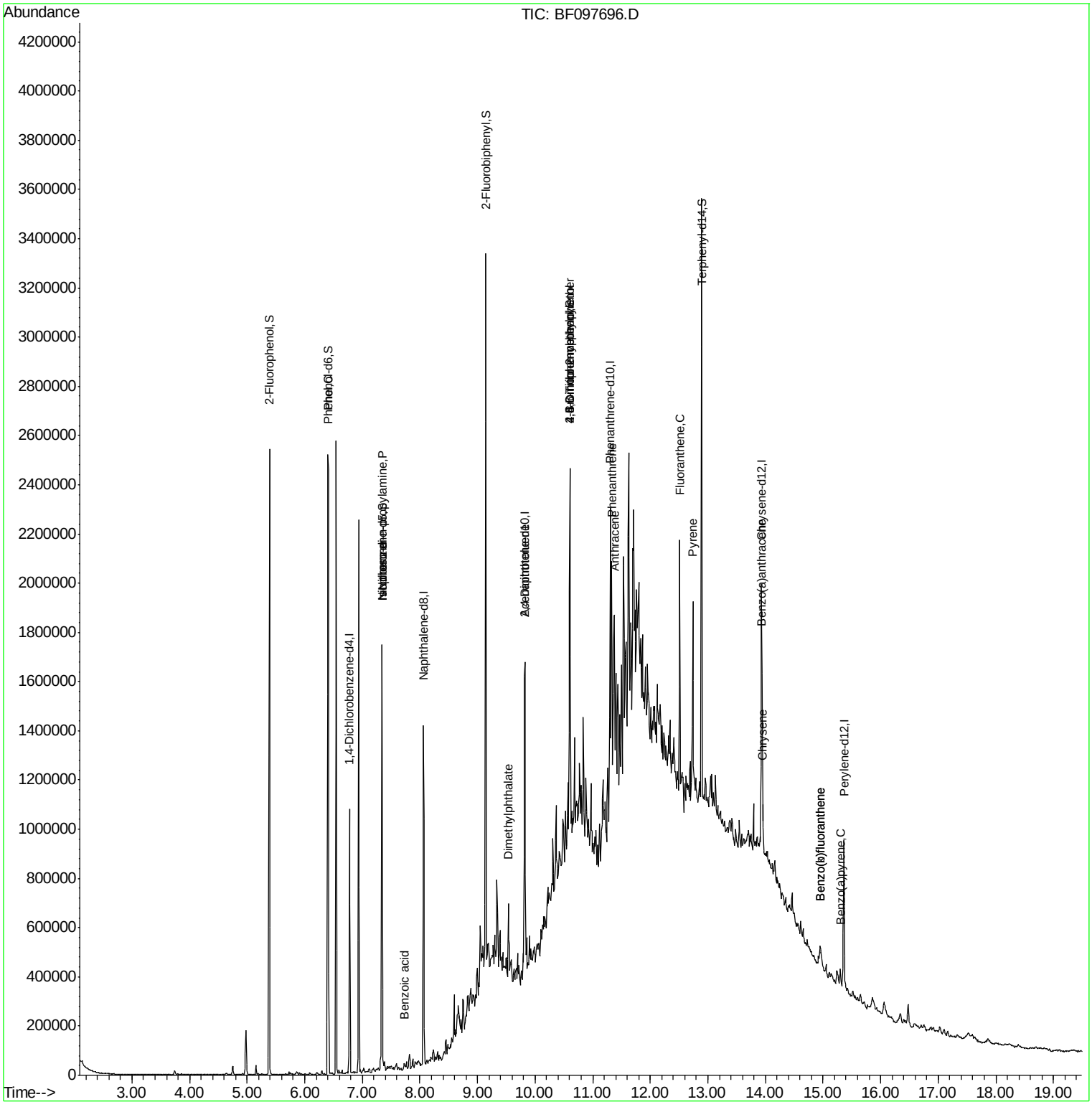
(#) = qualifier out of range (m) = manual integration (+) = signals summed

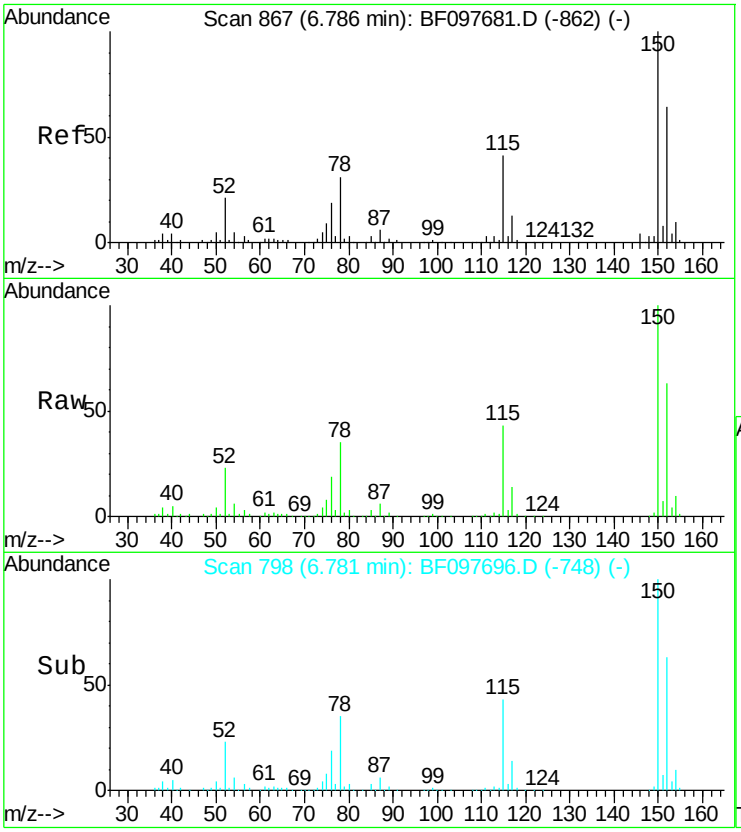
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097696.D
Acq On : 15 Aug 2017 17:38
Operator : SJ/JU
Sample : I4768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Quant Time: Aug 16 03:52:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



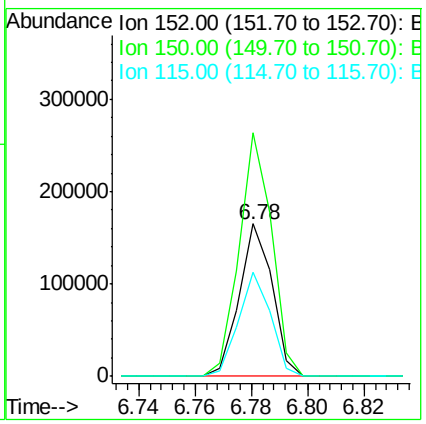


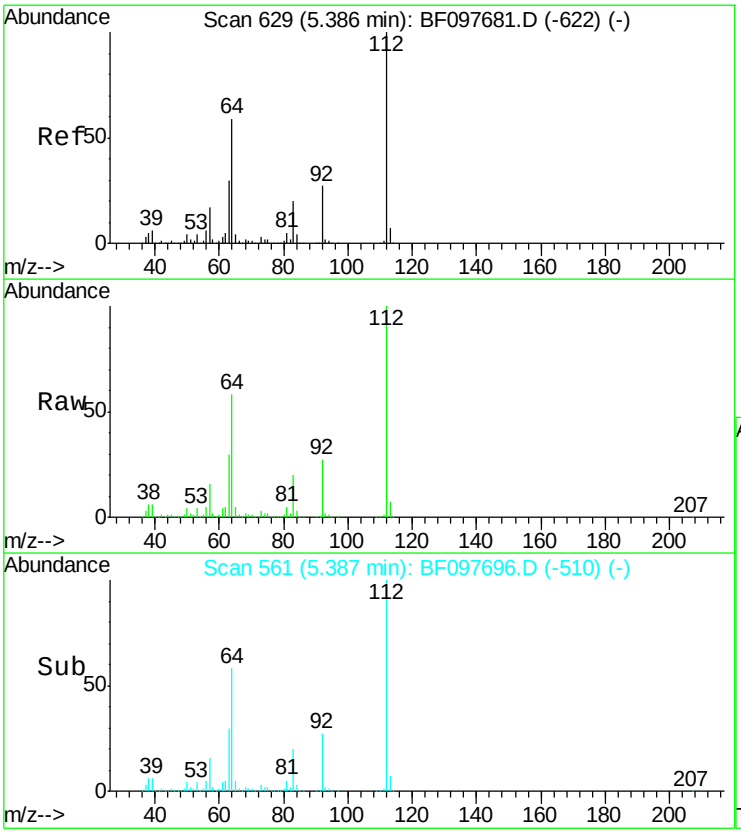
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:152 Resp: 132802

Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	68.5	52.2	78.2

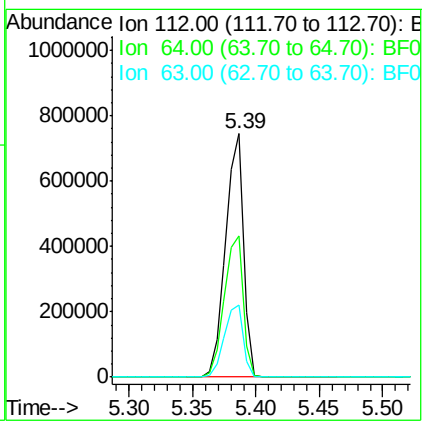


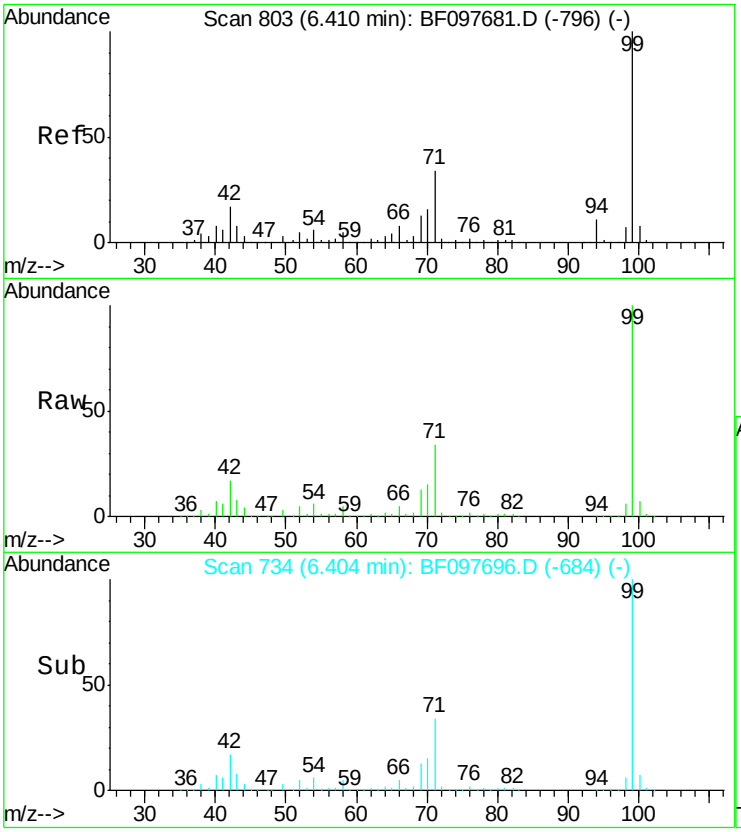


#5
2-Fluorophenol
Concen: 83.43 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:112 Resp: 728437

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	29.8	23.4	35.0



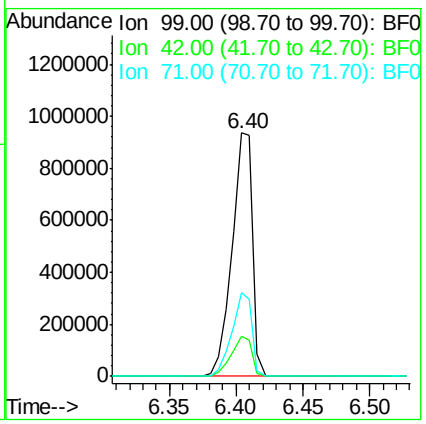


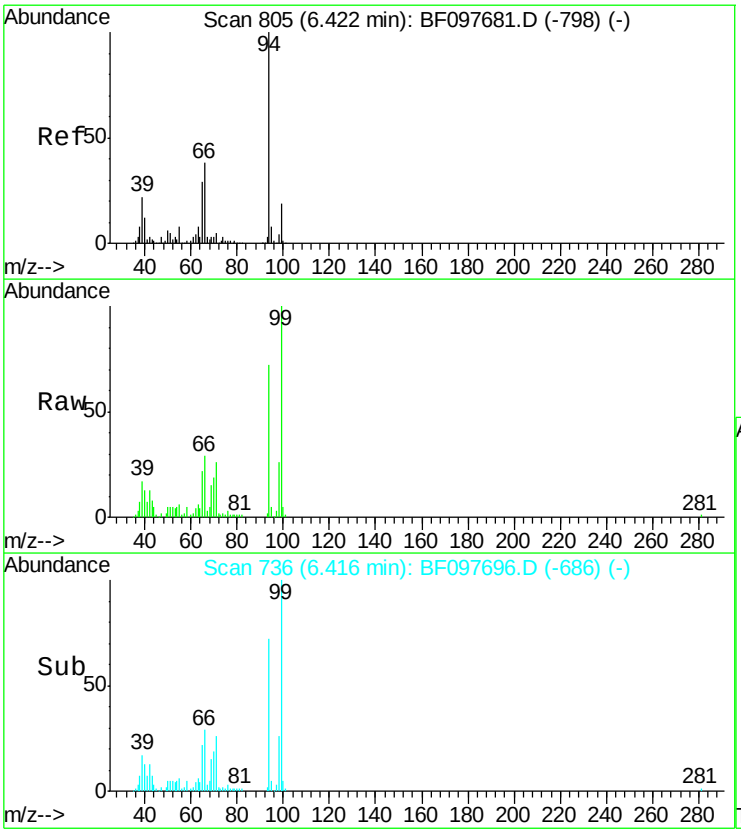
#7
Phenol-d6
Concen: 85.11 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion: 99 Resp: 1009657

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	34.1	24.5	36.7

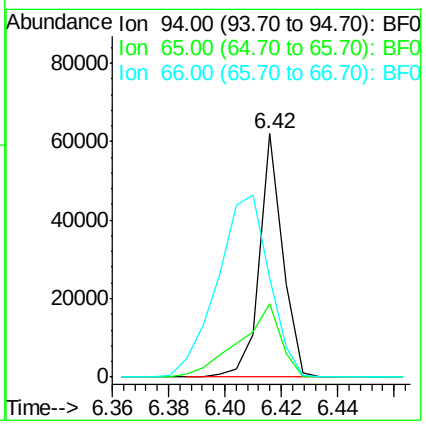


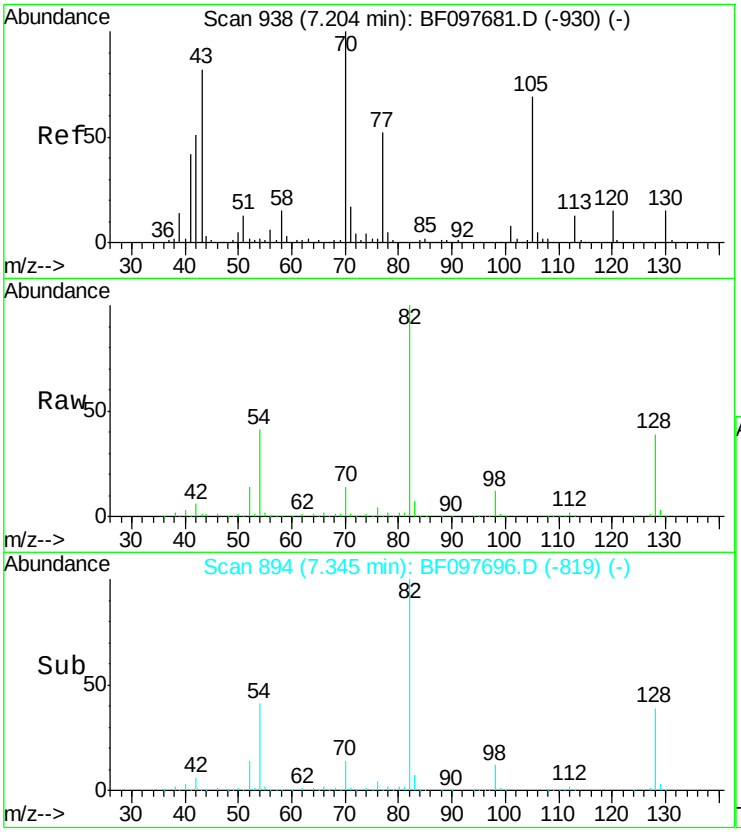


#10
Phenol
Concen: 2.56 ng
RT: 6.42 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion: 94 Resp: 35449

Ion	Ratio	Lower	Upper
94	100		
65	30.4	9.9	49.9
66	40.8	23.1	63.1



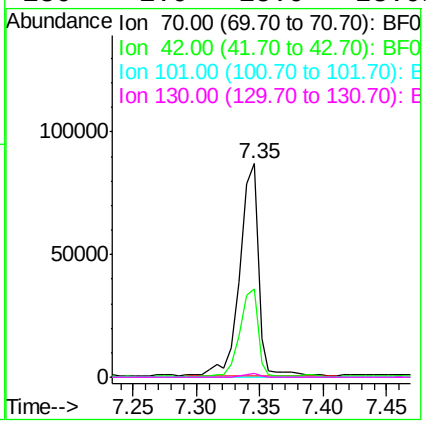


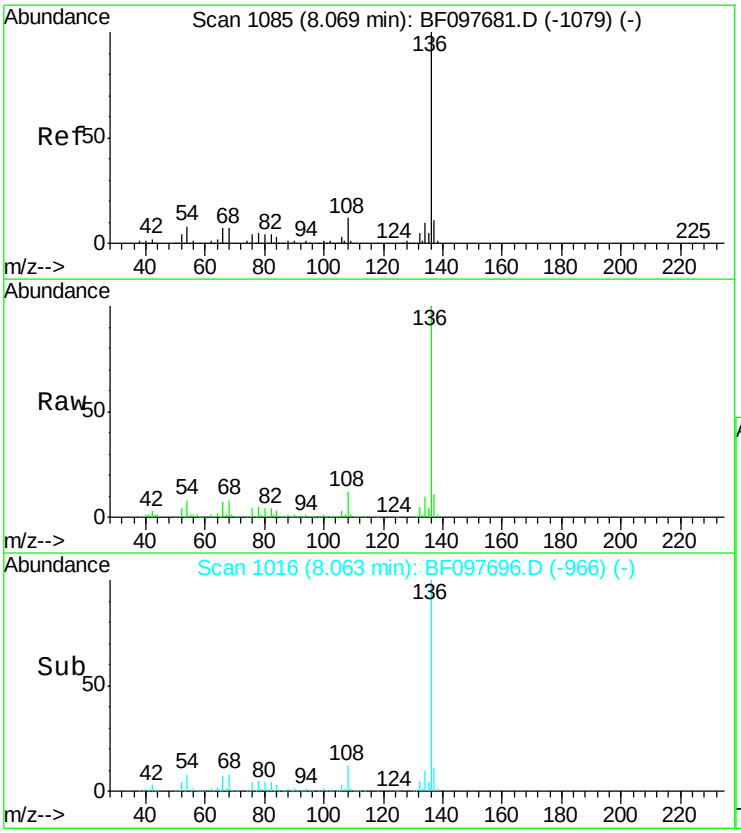
#19
n-Nitroso-di-n-propylamine
Concen: 10.84 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion: 70 Resp: 88025

Ion	Ratio	Lower	Upper
70	100		
42	41.6	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

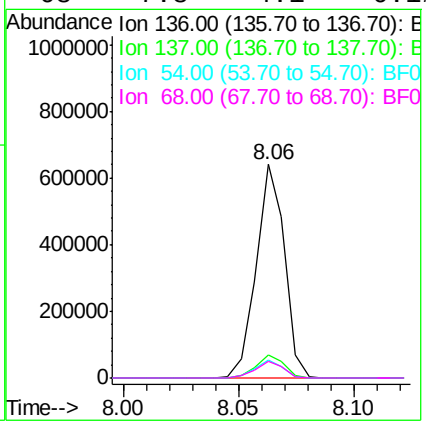


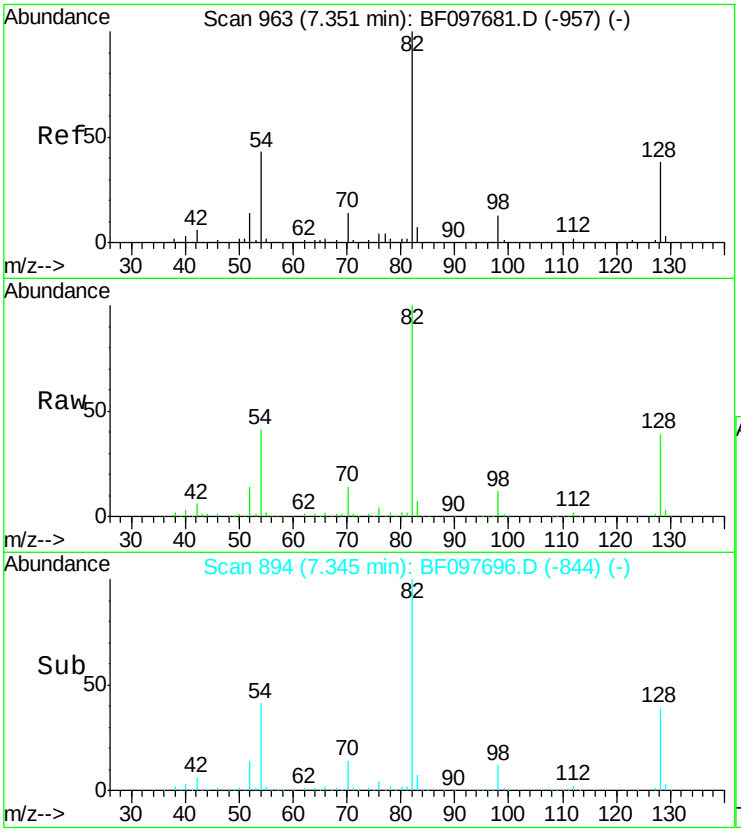


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:136 Resp: 545139

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	8.5	4.9	7.3#
68	7.8	4.1	6.1#



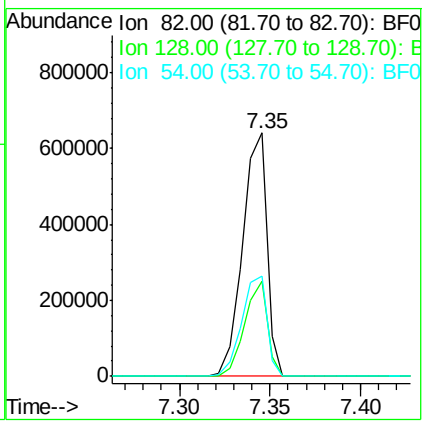


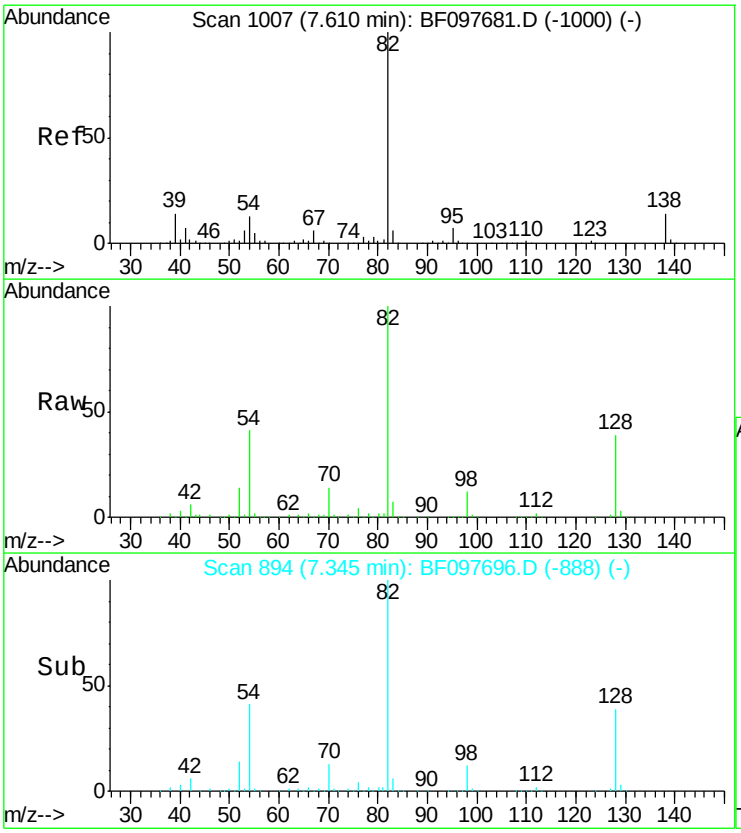
#23
Nitrobenzene-d5
Concen: 59.47 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion: 82 Resp: 596818

Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.0	51.0
54	41.0	42.2	63.2#

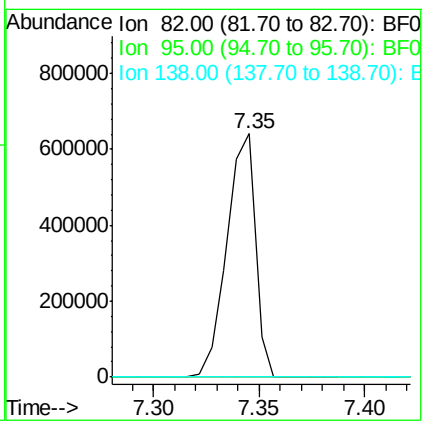


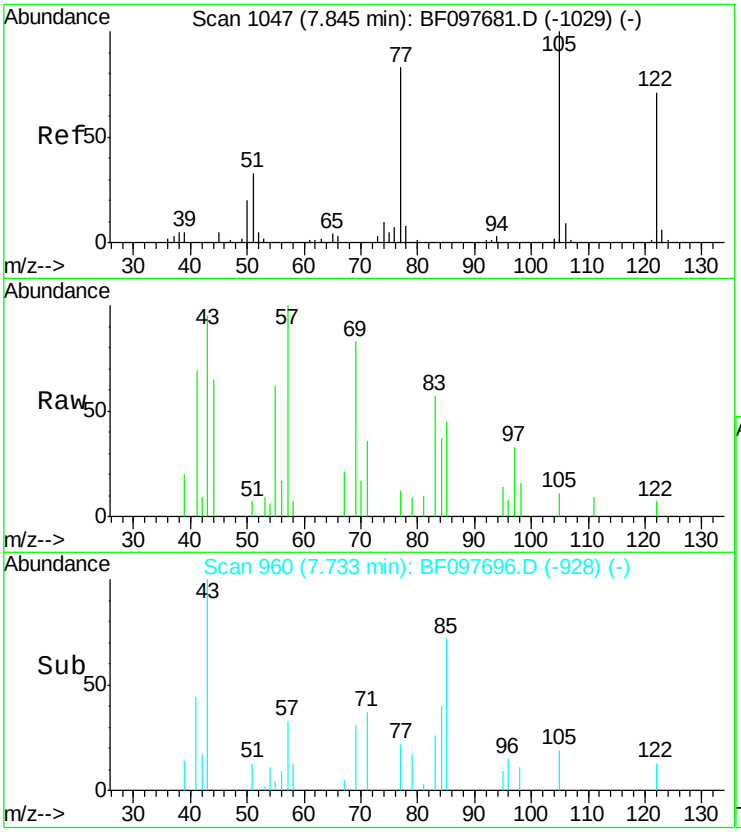


#25
Isophorone
Concen: 28.59 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion: 82 Resp: 596510

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#



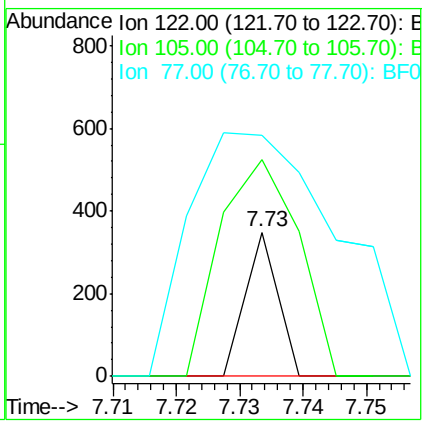


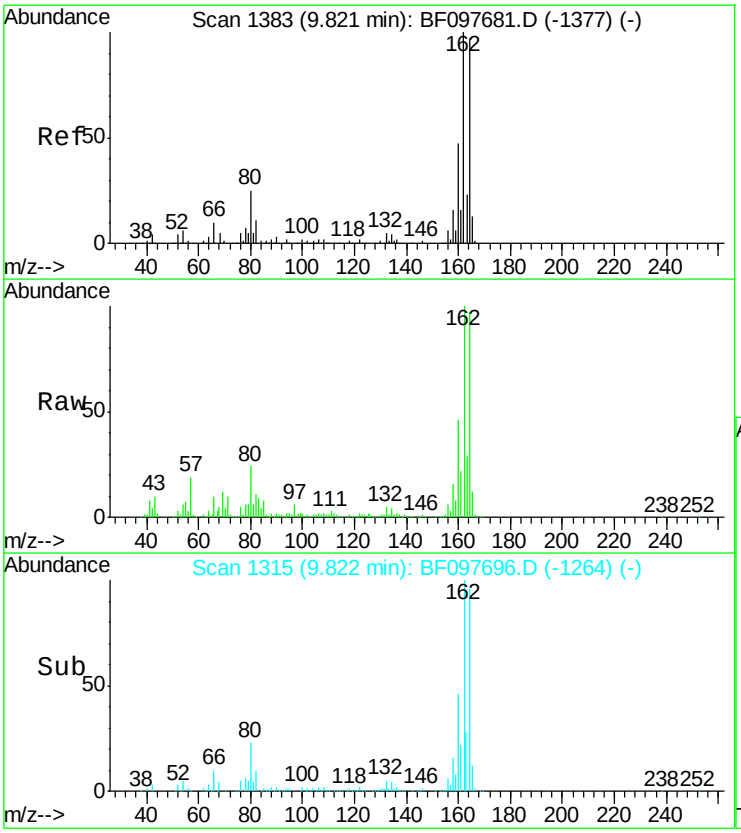
#32
Benzoic acid
Concen: 6.42 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.11 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:122 Resp: 123

Ion	Ratio	Lower	Upper
122	100		
105	150.4	103.3	143.3#
77	167.0	73.7	113.7#

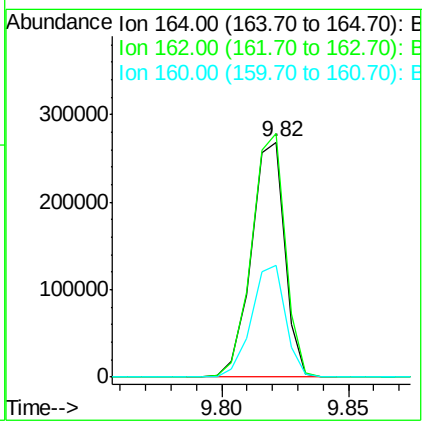


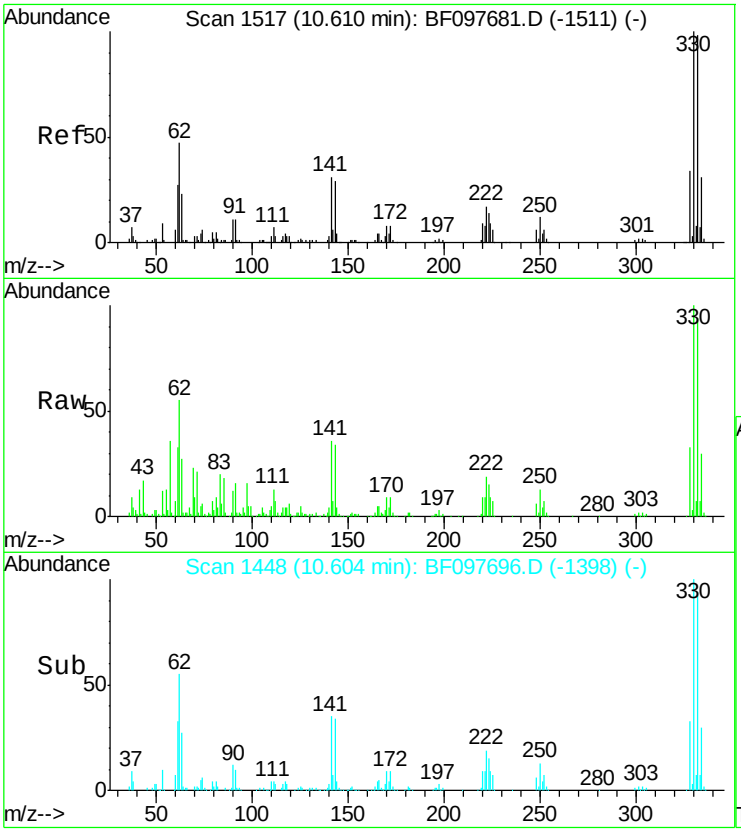


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:164 Resp: 247961

Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	47.4	36.2	54.2



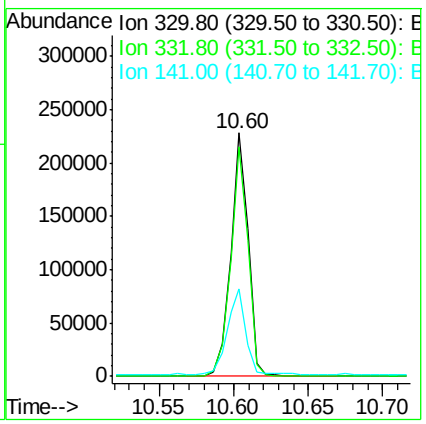


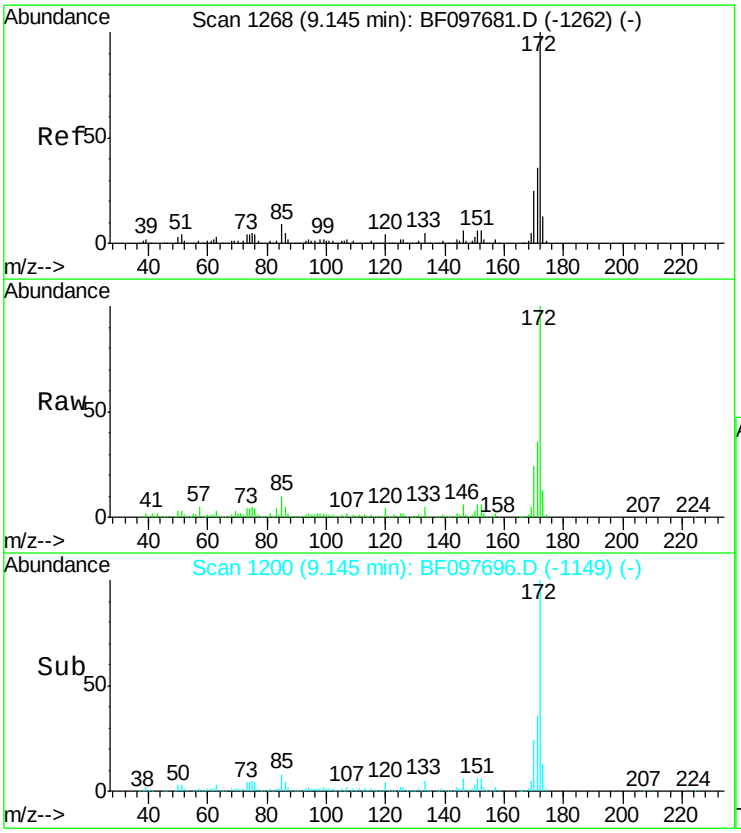
#41
2,4,6-Tribromophenol
Concen: 87.70 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:330 Resp: 188690

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.6	115.0
141	35.9	31.4	47.2

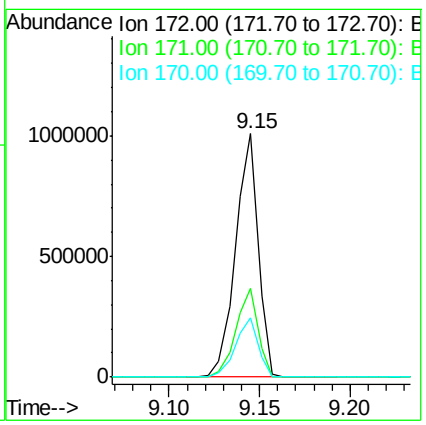


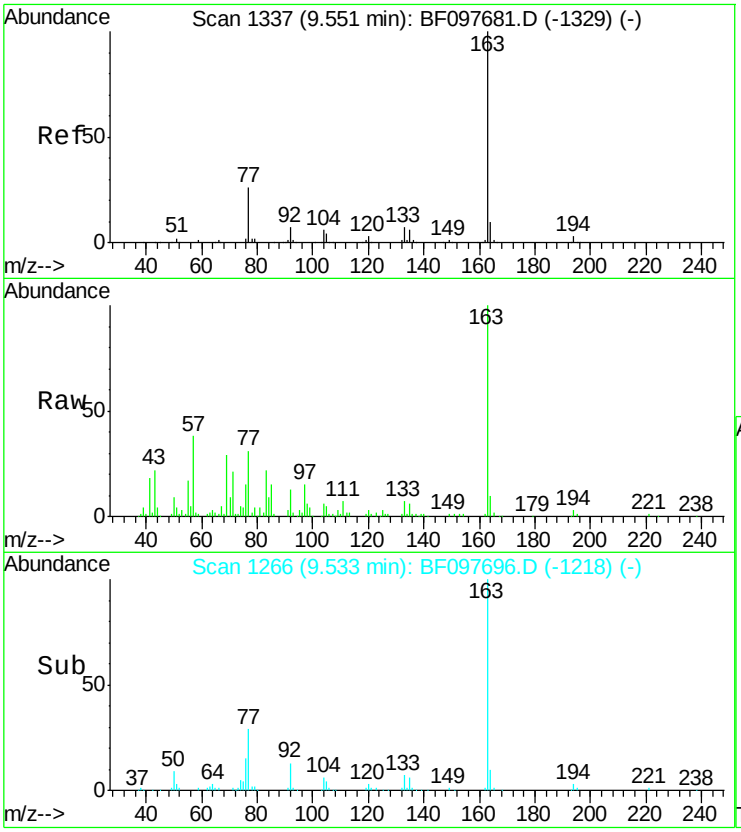


#44
2-Fluorobiphenyl
Concen: 51.75 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:172 Resp: 873339

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	19.8	29.8



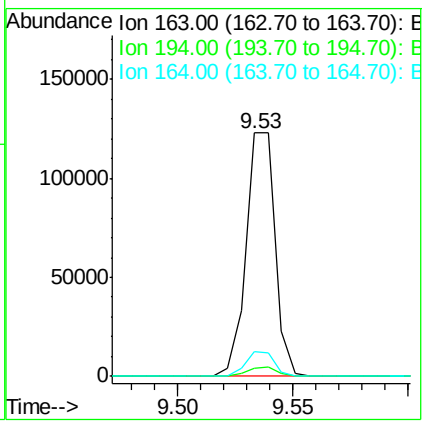


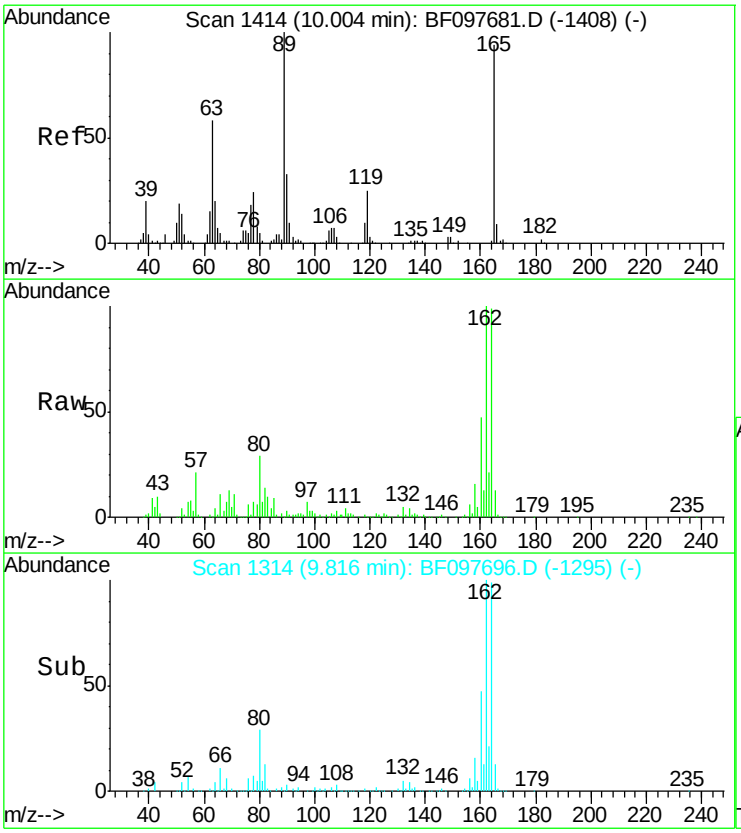
#49
Dimethylphthalate
Concen: 6.01 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:163 Resp: 108860

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6

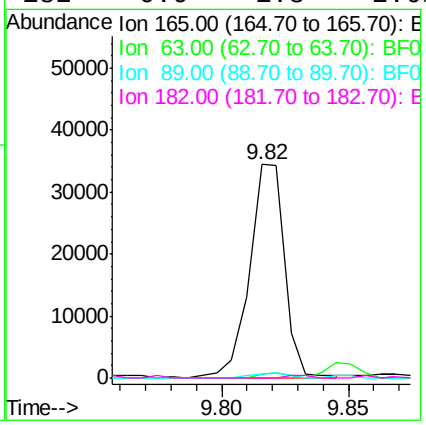


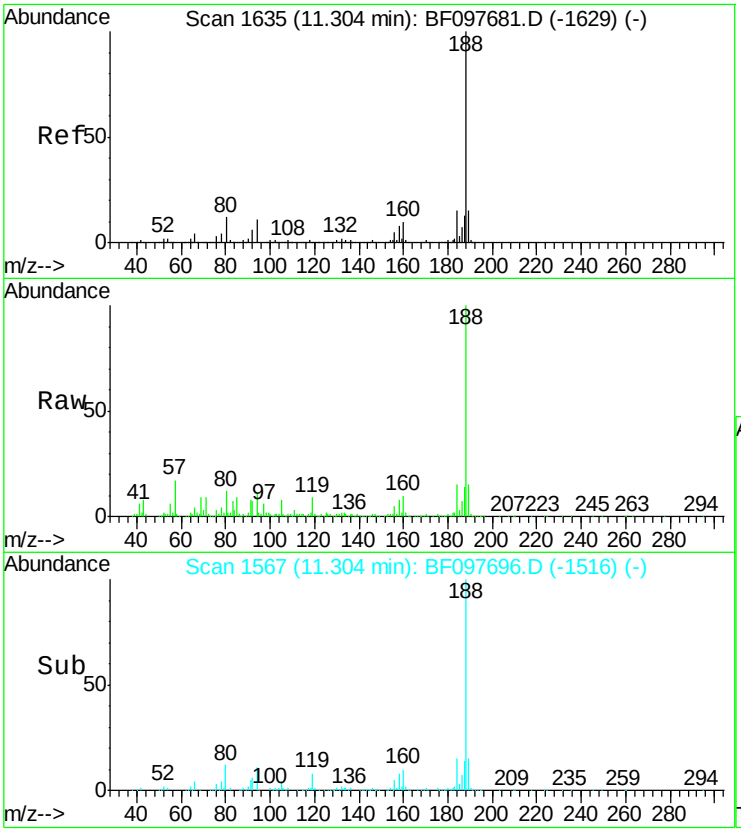


#56
2,4-Dinitrotoluene
Concen: 7.34 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:165 Resp: 33316

Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



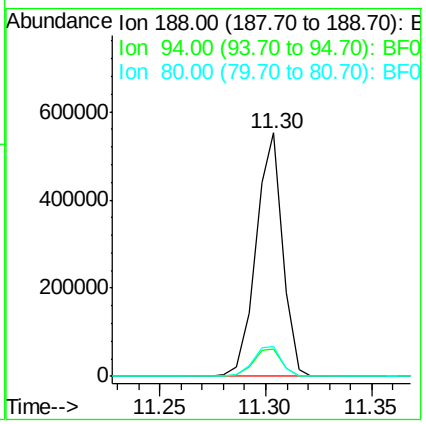


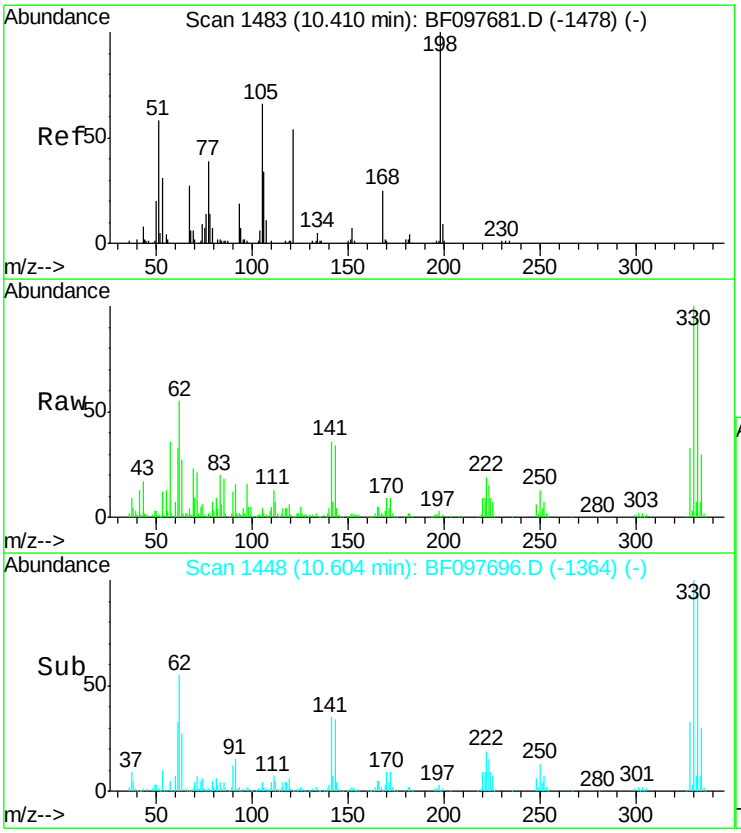
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:188 Resp: 483550

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	12.1	10.2	15.2

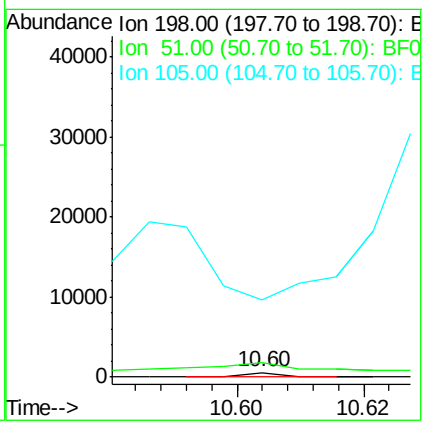


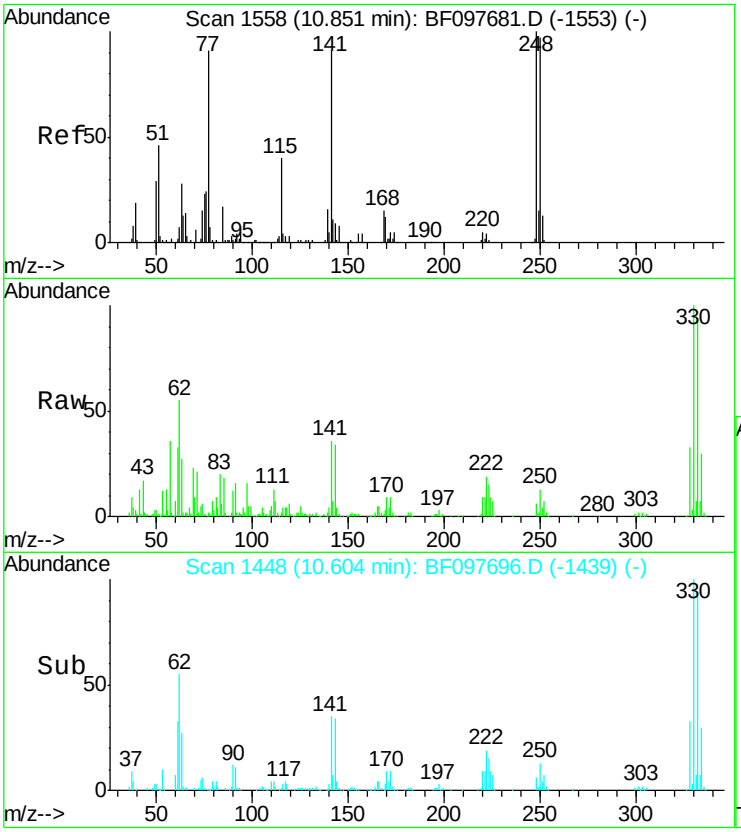


#64
4,6-Dinitro-2-methylphenol
Concen: 8.40 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.19 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:198 Resp: 210

Ion	Ratio	Lower	Upper
198	100		
51	305.4	53.2	93.2#
105	1628.4	45.8	85.8#



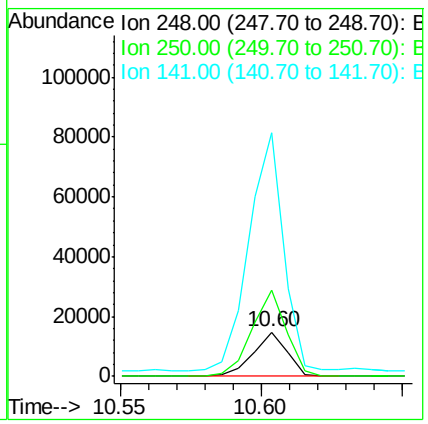


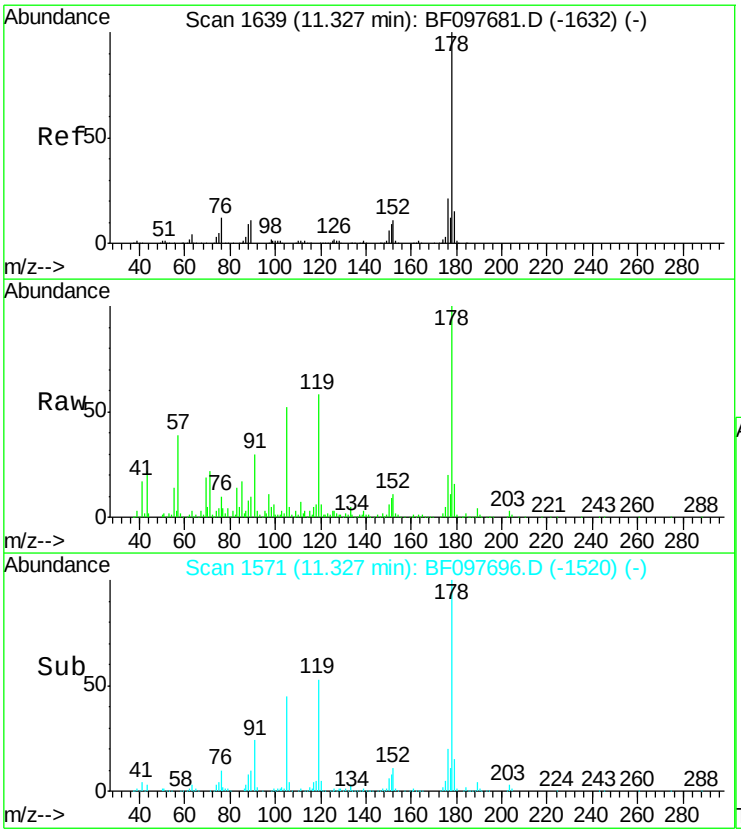
#66
4-Bromophenyl-phenylether
Concen: 2.43 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:248 Resp: 12178

Ion	Ratio	Lower	Upper
248	100		
250	195.3	76.8	115.2#
141	553.5	68.6	103.0#

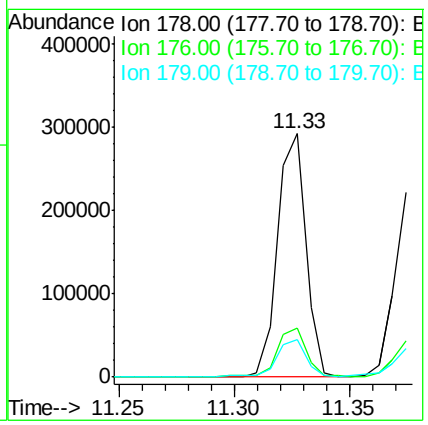


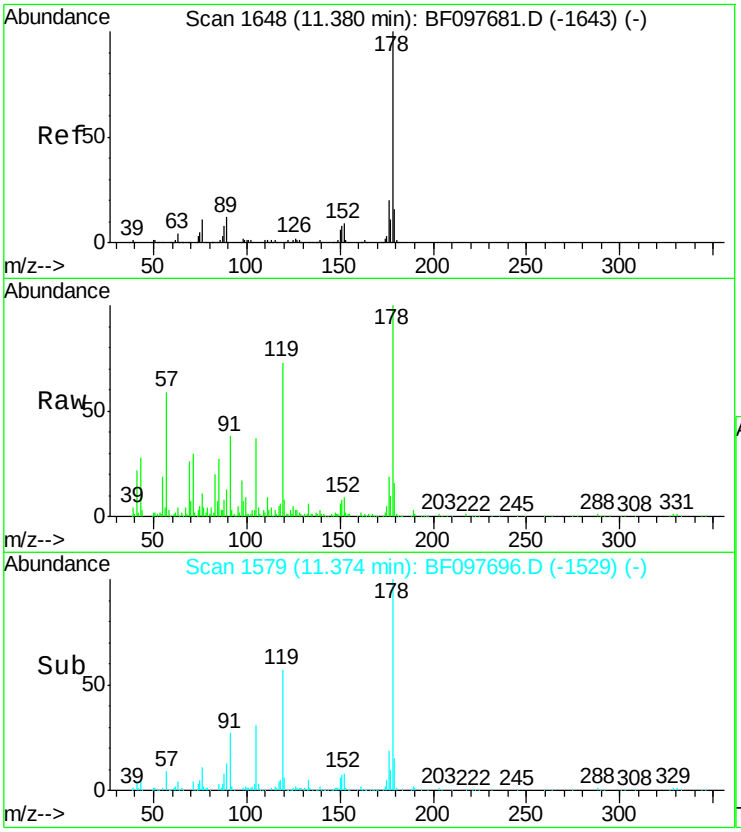


#70
Phenanthrene
Concen: 9.61 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:178 Resp: 247698

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.5	12.6	19.0



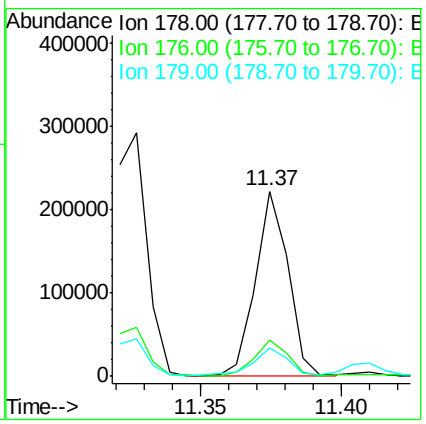


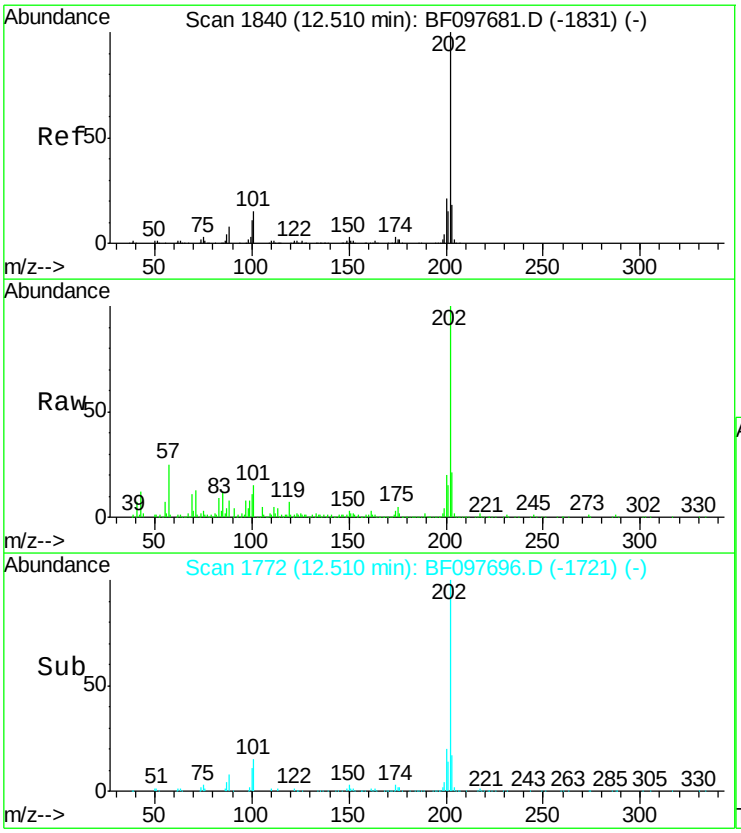
#71
Anthracene
Concen: 6.78 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:178 Resp: 177097

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	12.7	19.1

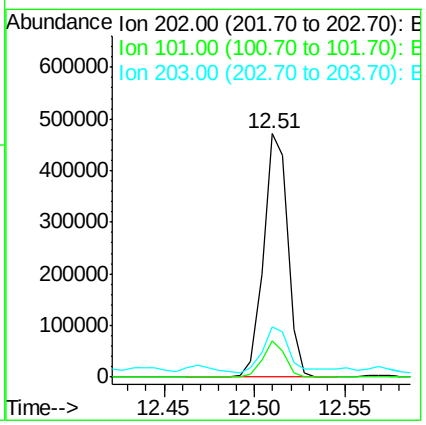


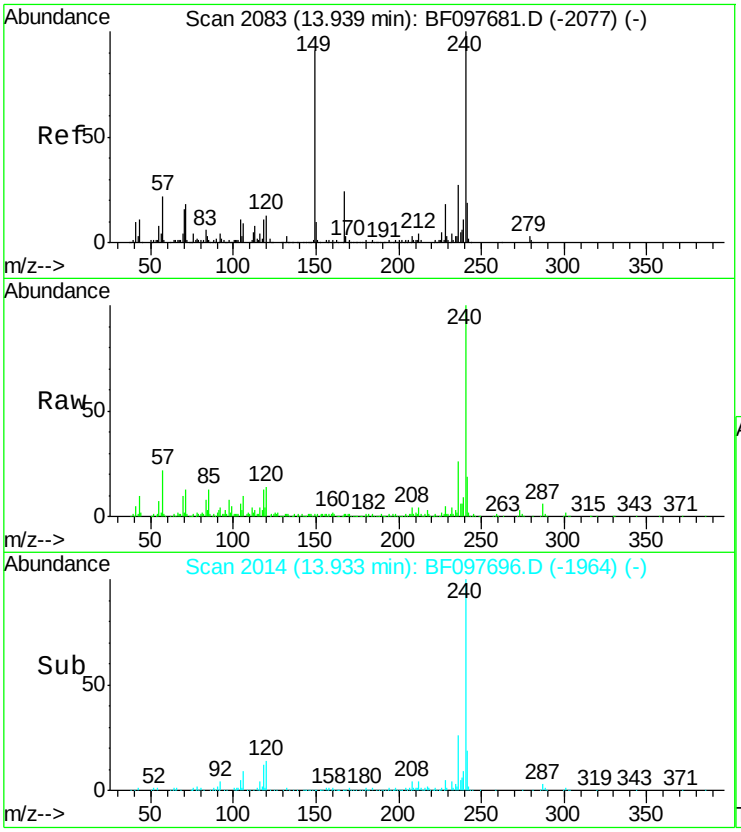


#74
Fluoranthene
Concen: 16.13 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:202 Resp: 433942

Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	33.2
203	20.6	0.0	38.1



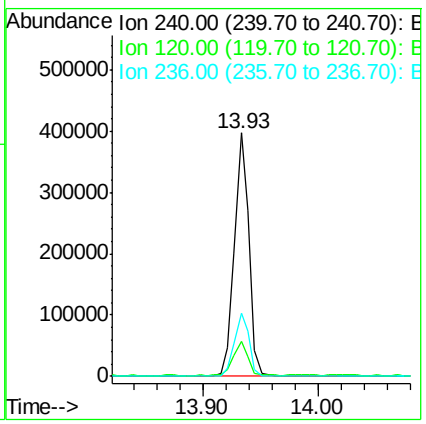


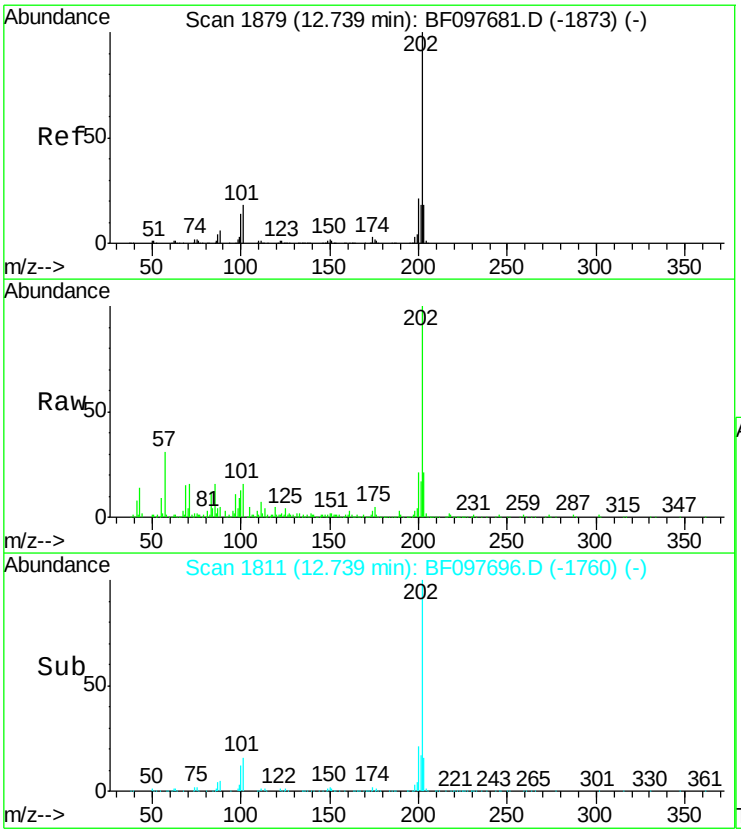
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:240 Resp: 344798

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.8	20.5	30.7

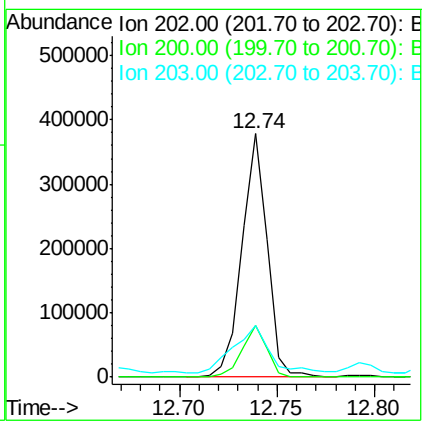


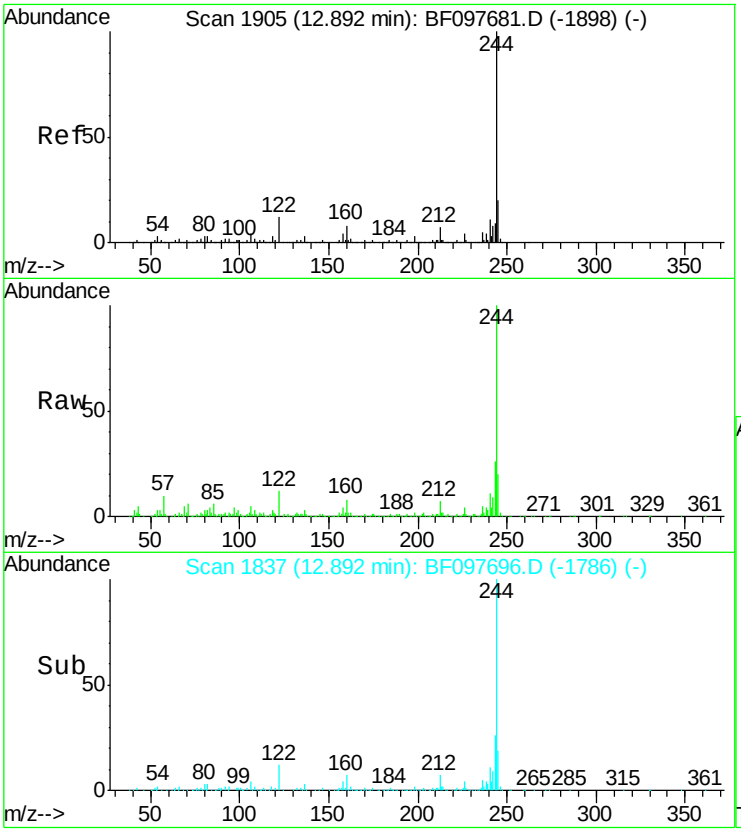


#77
Pyrene
Concen: 11.94 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:202 Resp: 336783

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	21.1	14.4	21.6



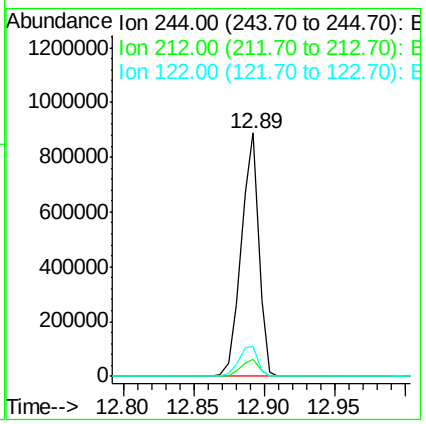


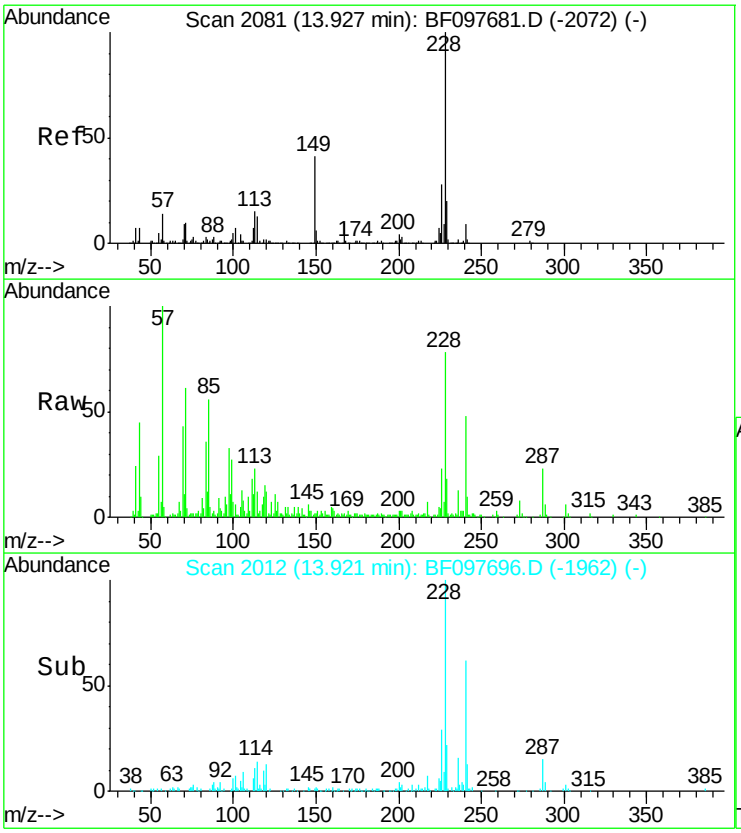
#78
Terphenyl-d14
Concen: 46.34 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:244 Resp: 766250

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.1	10.3	15.5

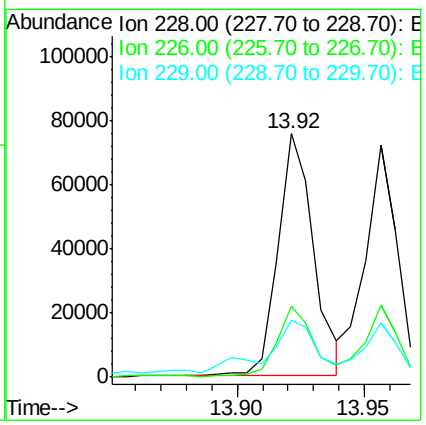


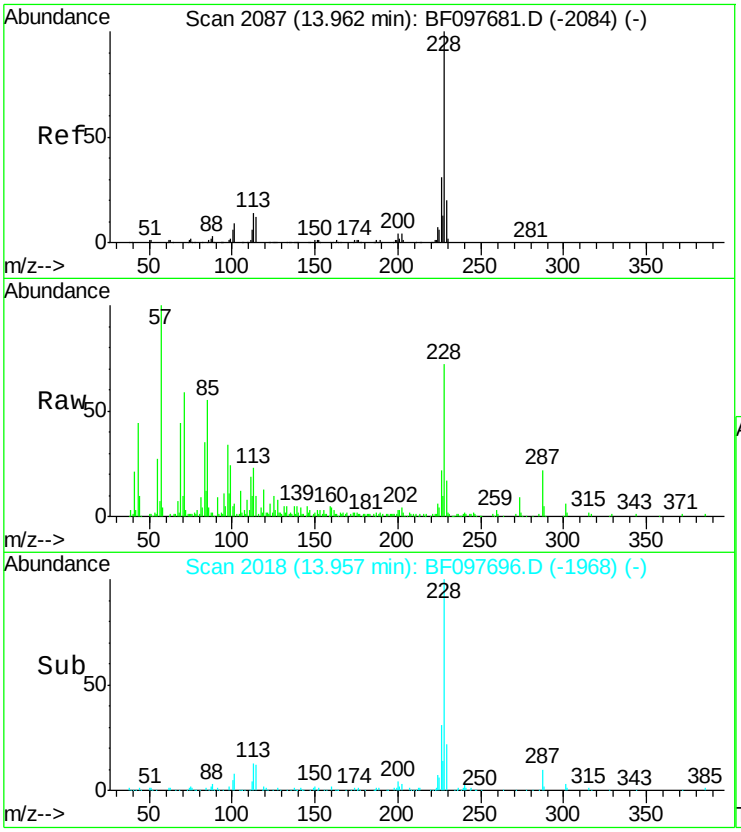


#80
Benzo(a)anthracene
Concen: 3.61 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:228 Resp: 74515

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	23.1	16.3	24.5



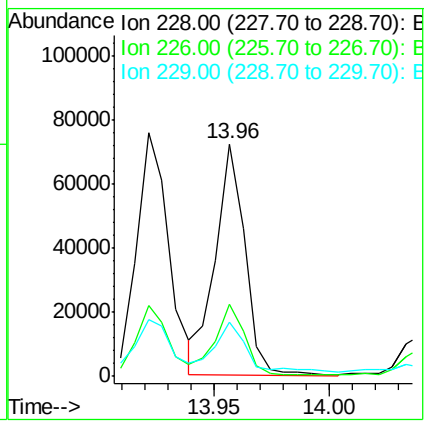


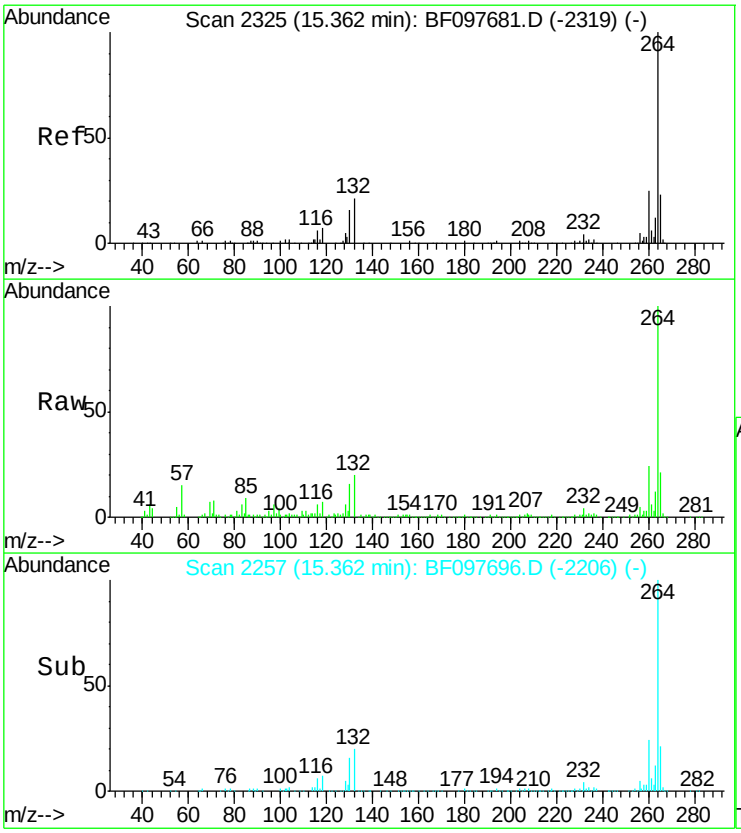
#82
Chrysene
Concen: 3.15 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:228 Resp: 64850

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	23.5	15.8	23.6

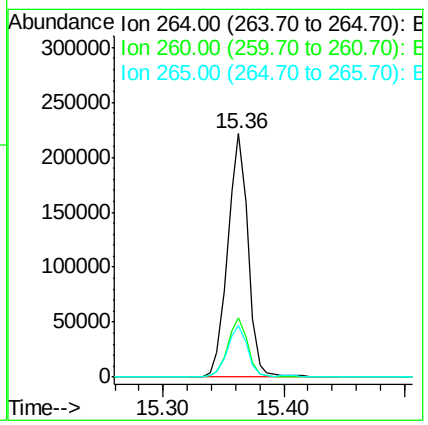


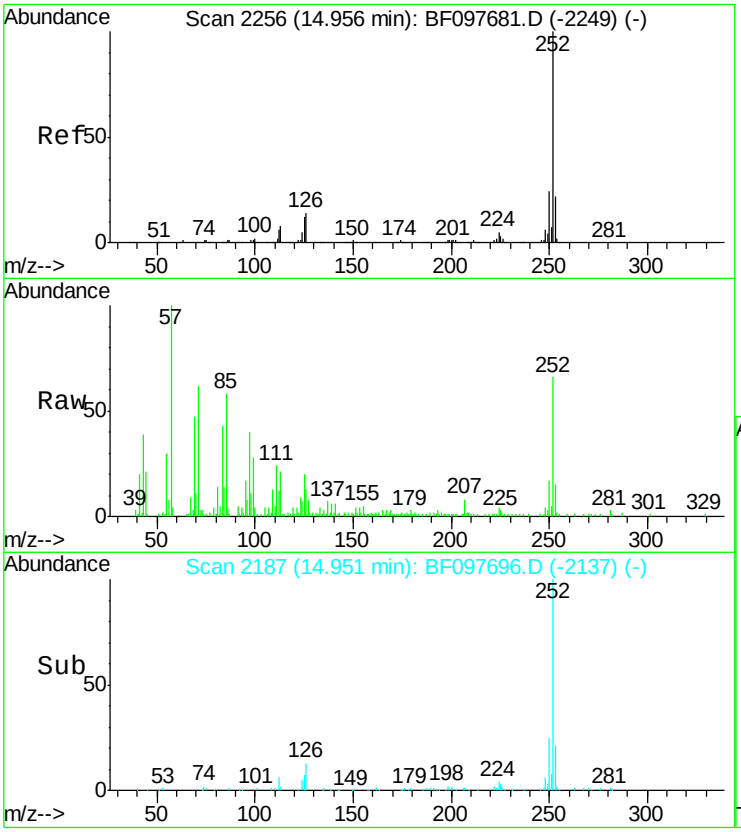


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:264 Resp: 258547

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.1	17.2	25.8



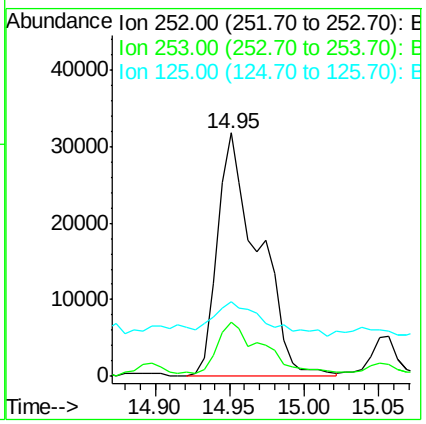


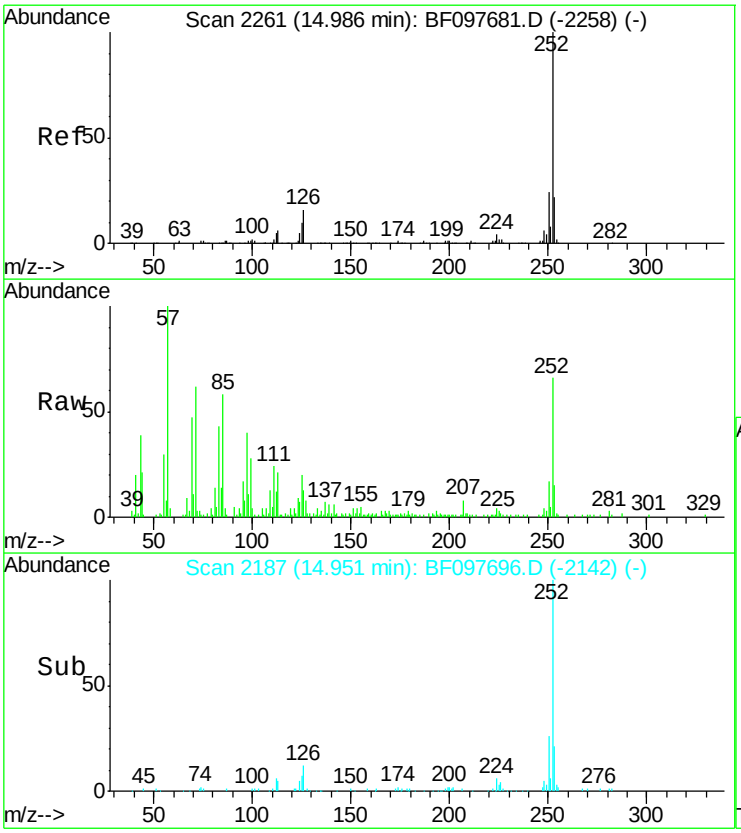
#87
Benzo(b)fluoranthene
Concen: 3.73 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:252 Resp: 60858

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	30.5	9.8	14.8#

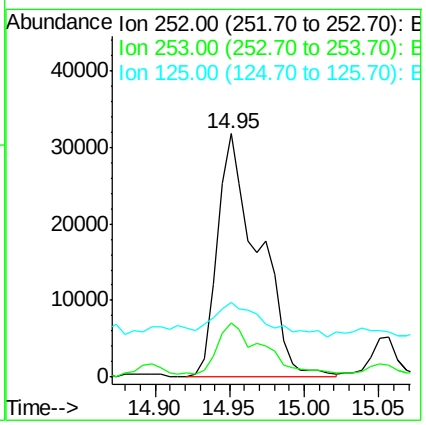


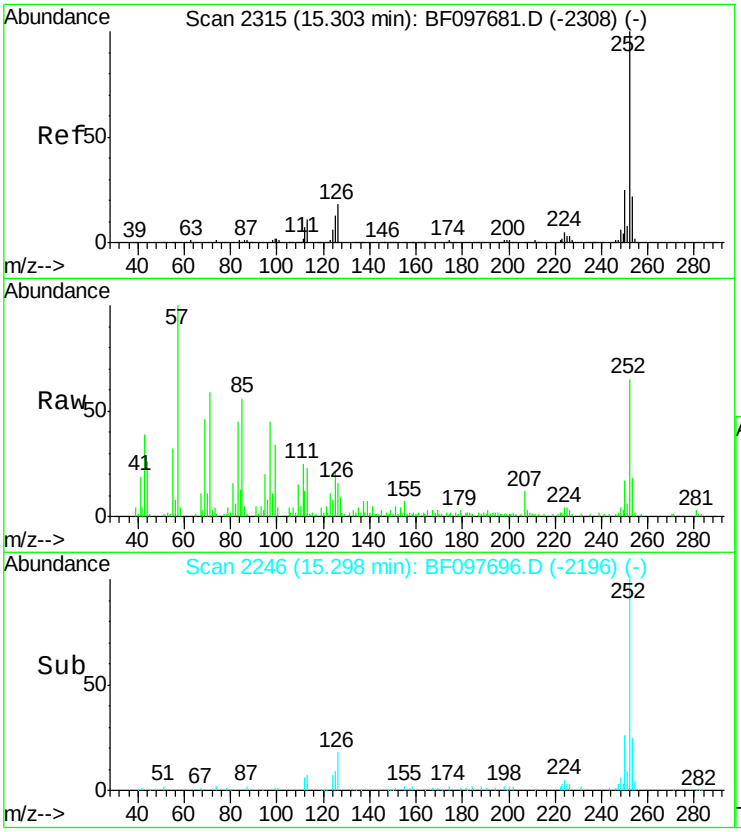


#88
Benzo(k)fluoranthene
Concen: 3.97 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Tgt Ion:252 Resp: 60858

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	30.5	13.1	19.7#





#89
Benzo(a)pyrene
Concen: 2.12 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097696.D
Acq: 15 Aug 2017 17:38

Instrument :
BNA_F
ClientSampleId :
HAMILTON-PL-SOIL-66

Tgt Ion:252 Resp: 30606

Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.5	26.3#
125	32.7	11.0	16.4#