Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122315\
Data File : BM003708.D
Acq On : 22 Dec 2015 15:09
Operator : UM/SJ
Sample : G4888-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : WC-SOIL-011

Quant Time: Dec 22 15:52:43 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 18:52:47 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	37149	20.00	ng	-0.03
21) Naphthalene-d8	10.49	136	127096	20.00	ng	-0.03
38) Acenaphthene-d10	14.35	164	71454	20.00	ng	-0.03
63) Phenanthrene-d10	17.09	188	132302	20.00	ng	-0.03
75) Chrysene-d12	21.30	240	136687	20.00	ng	-0.02
86) Perylene-d12	23.54	264	119666	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	286297	137.02	ng	-0.02
7) Phenol-d6	6.87	99	342047	117.89	ng	-0.02
23) Nitrobenzene-d5	8.85	82	234470	114.38	ng	-0.03
41) 2,4,6-Tribromophenol	15.84	330	105095	147.27	ng	-0.03
44) 2-Fluorobiphenyl	12.96	172	531466	101.34	ng	-0.03
78) Terphenyl-d14	19.73	244	603151	104.06	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.55	128	2622221	394.28	ng	99
32) Benzoic acid	9.83	122	101004	68.16	ng	97
37) 2-Methylnaphthalene	12.15	142	44186	9.69	ng	96
51) Acenaphthene	14.41	154	26009	5.78	ng	99
54) Dibenzofuran	14.74	168	21862	3.37	ng	92
57) Fluorene	15.40	166	14388	2.67	ng	98
70) Phenanthrene	17.14	178	23803	3.21	ng	100

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

Quantitation Report (LSC Reviewed)

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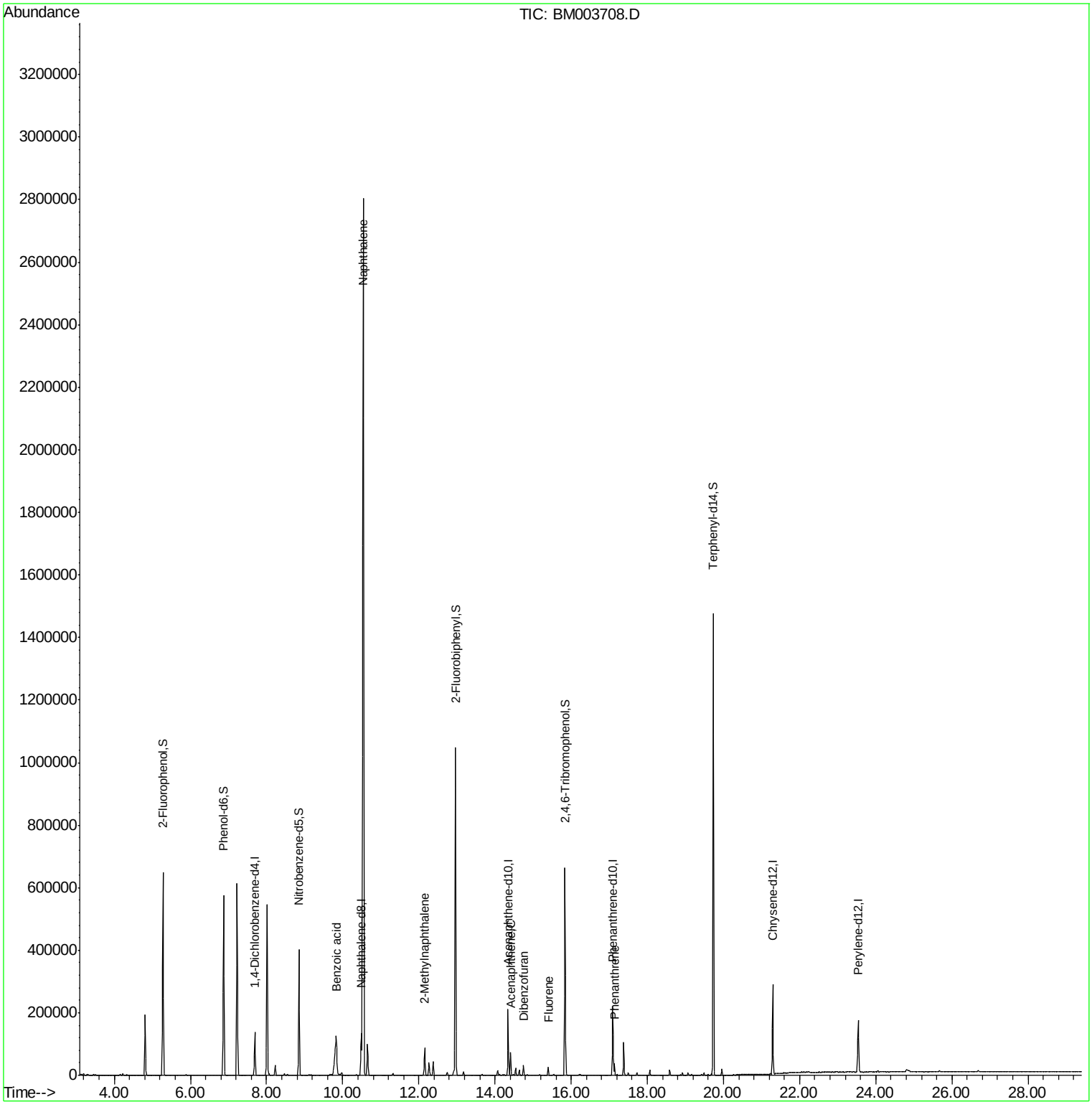
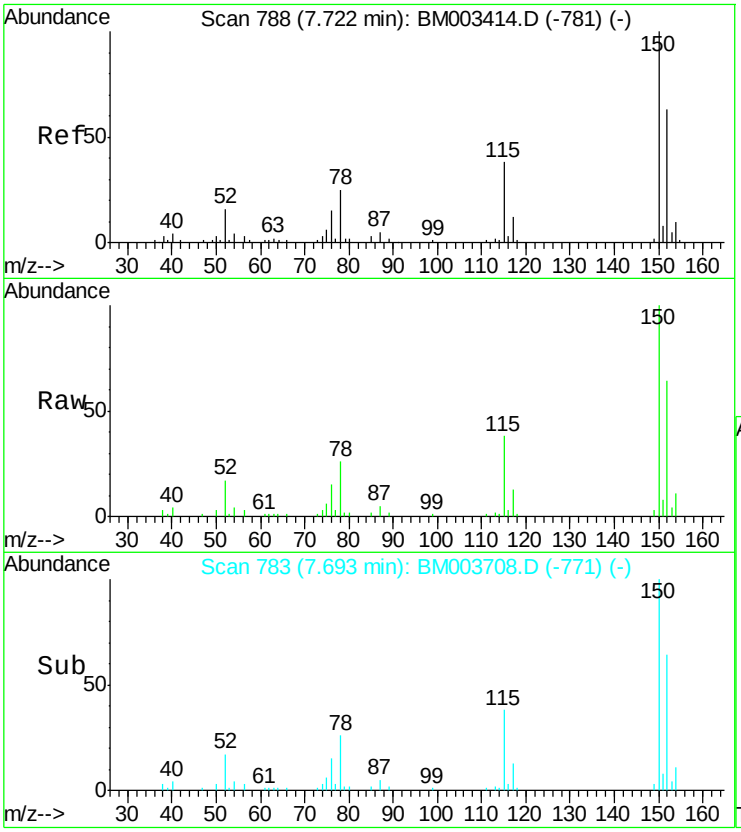


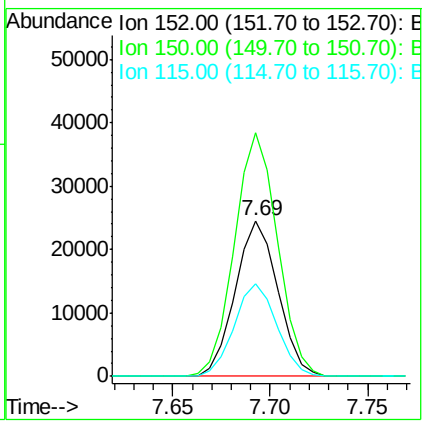


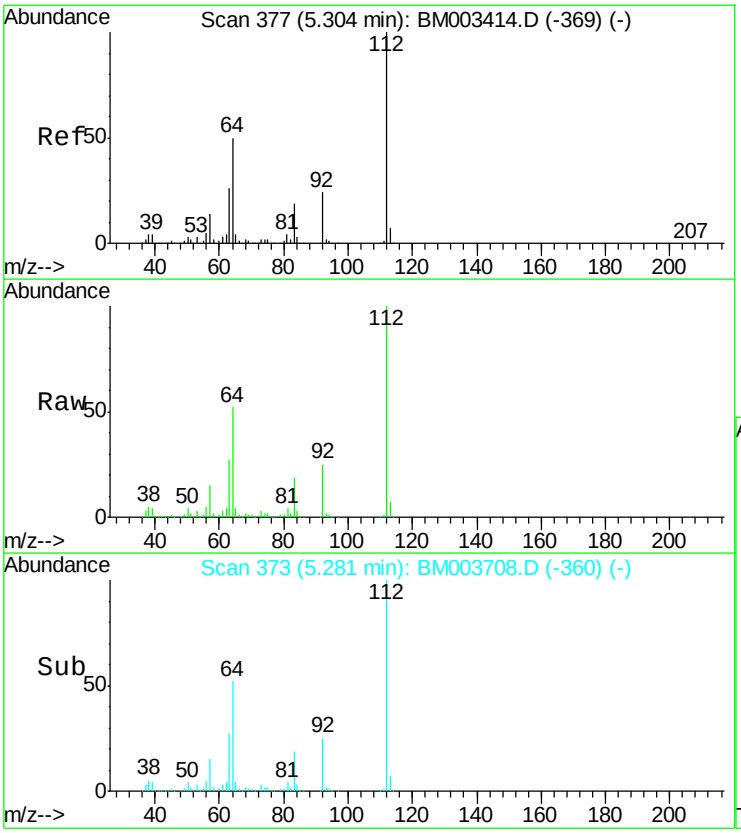
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:152 Resp: 37149

Ion	Ratio	Lower	Upper
152	100		
150	156.5	119.5	179.3
115	59.5	43.0	64.4

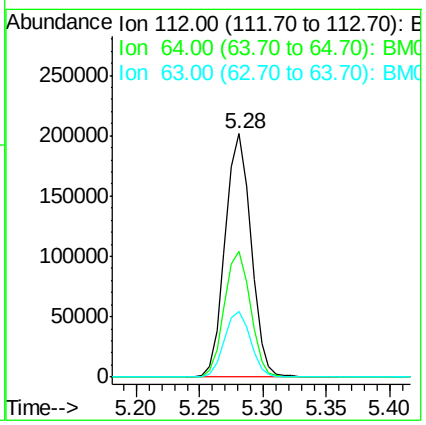


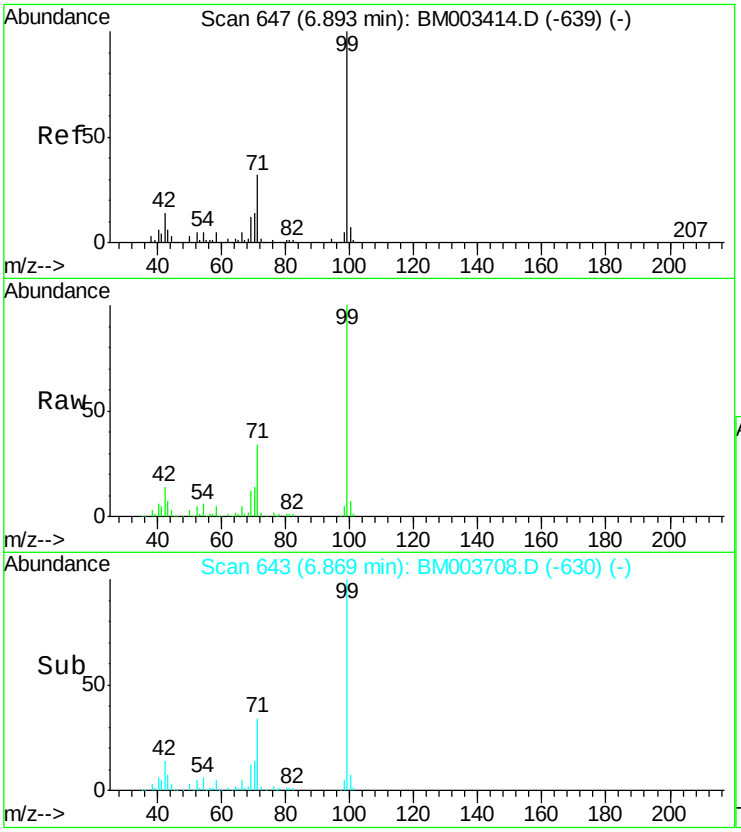


#5
2-Fluorophenol
Concen: 137.02 ng
RT: 5.28 min Scan# 373
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:112 Resp: 286297

Ion	Ratio	Lower	Upper
112	100		
64	51.7	38.6	57.8
63	27.0	19.3	28.9



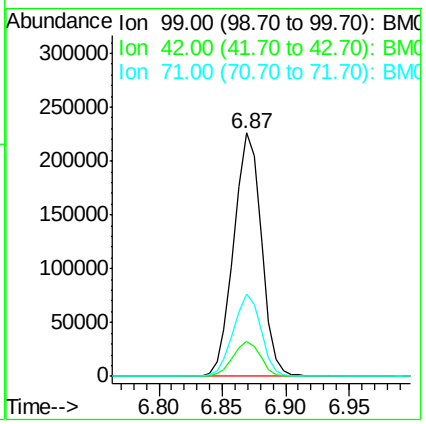


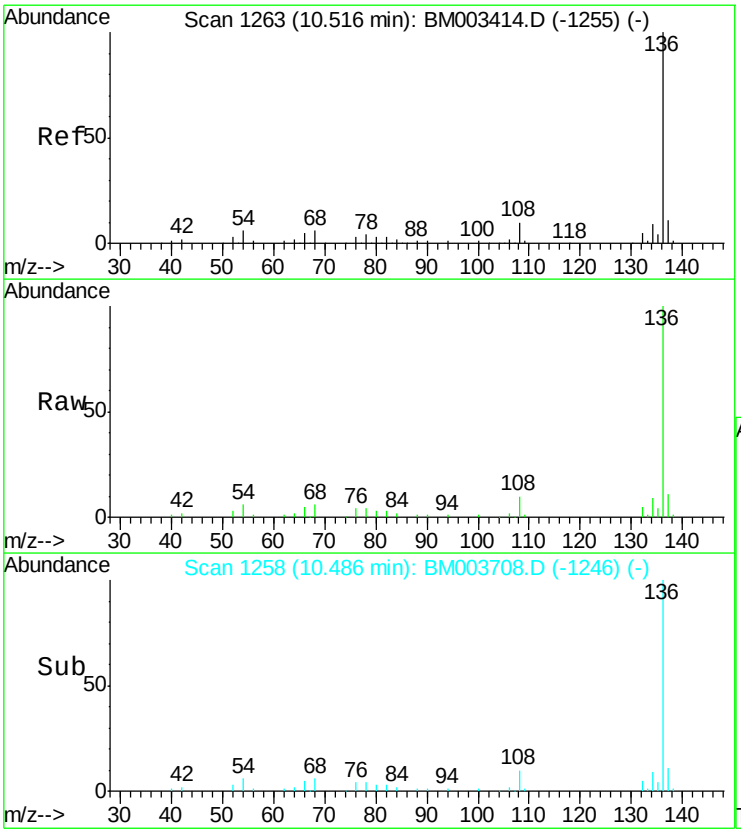
#7
Phenol-d6
Concen: 117.89 ng
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion: 99 Resp: 342047

Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.0	16.4
71	33.9	23.4	35.2

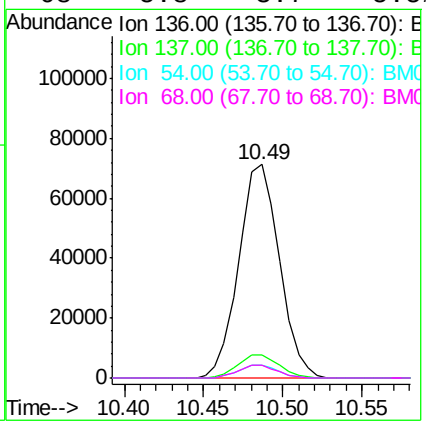


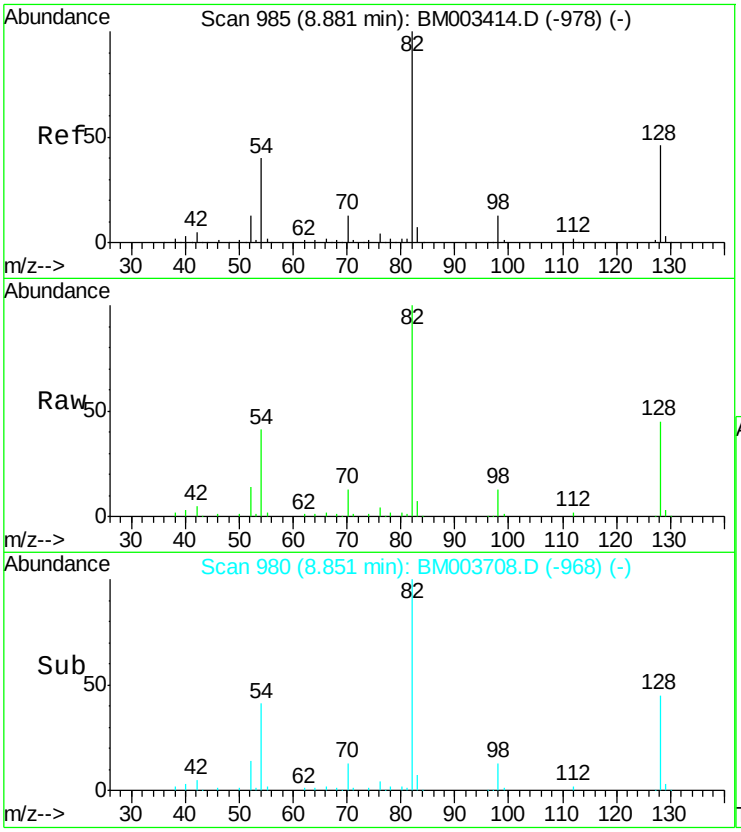


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:136 Resp: 127096

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.0	4.6	6.8
68	5.8	3.7	5.5#



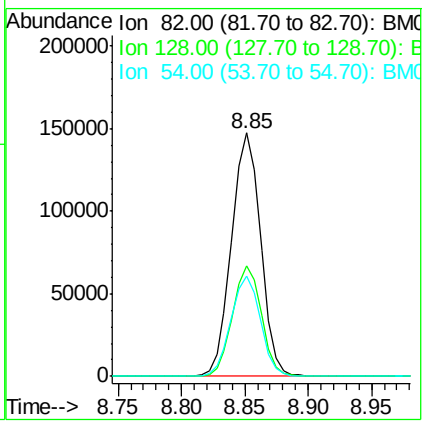


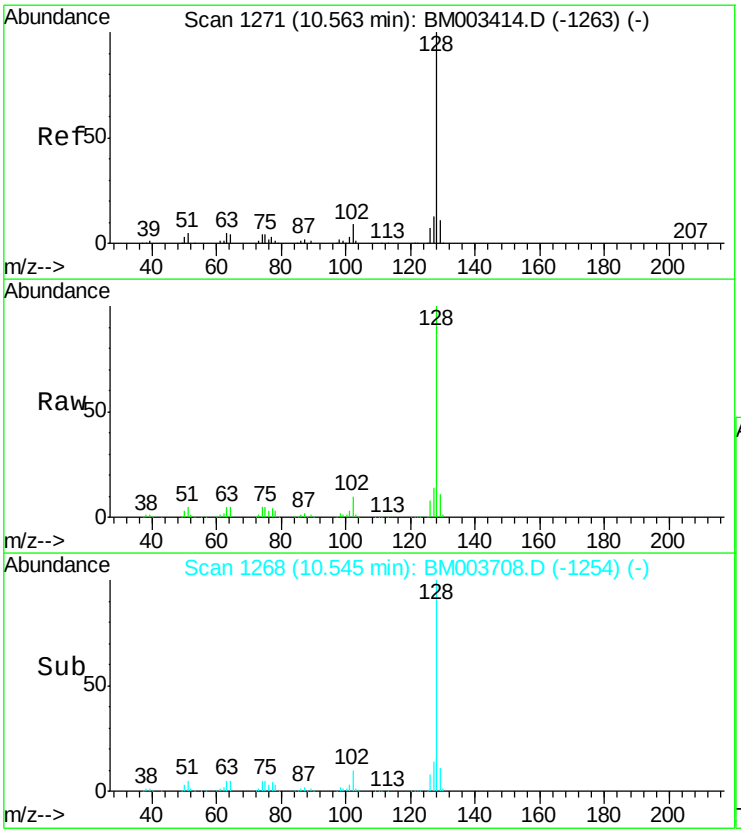
#23
Nitrobenzene-d5
Concen: 114.38 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion: 82 Resp: 234470

Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.8	49.2
54	41.0	40.6	60.8

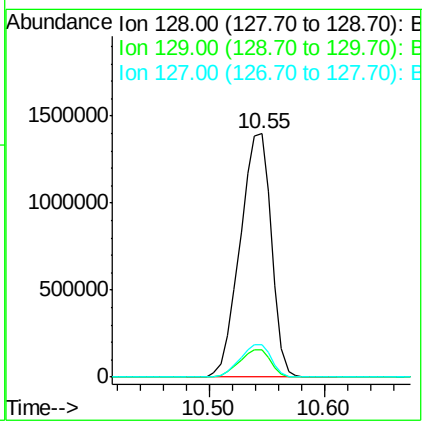


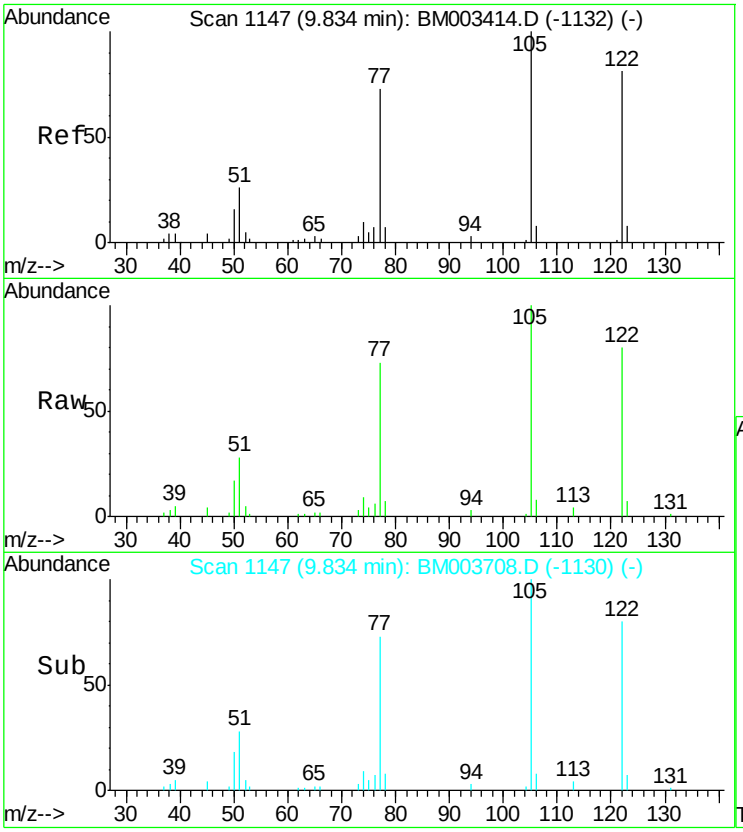


#31
Naphthalene
Concen: 394.28 ng
RT: 10.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:128 Resp: 2622221

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.5	10.4	15.6



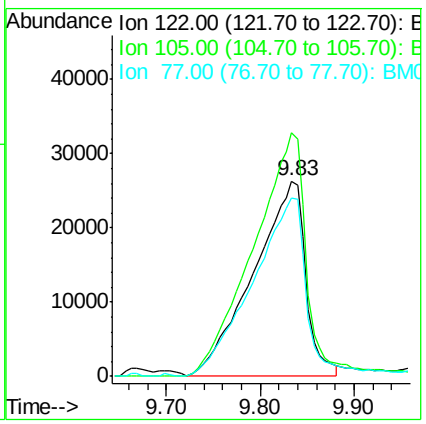


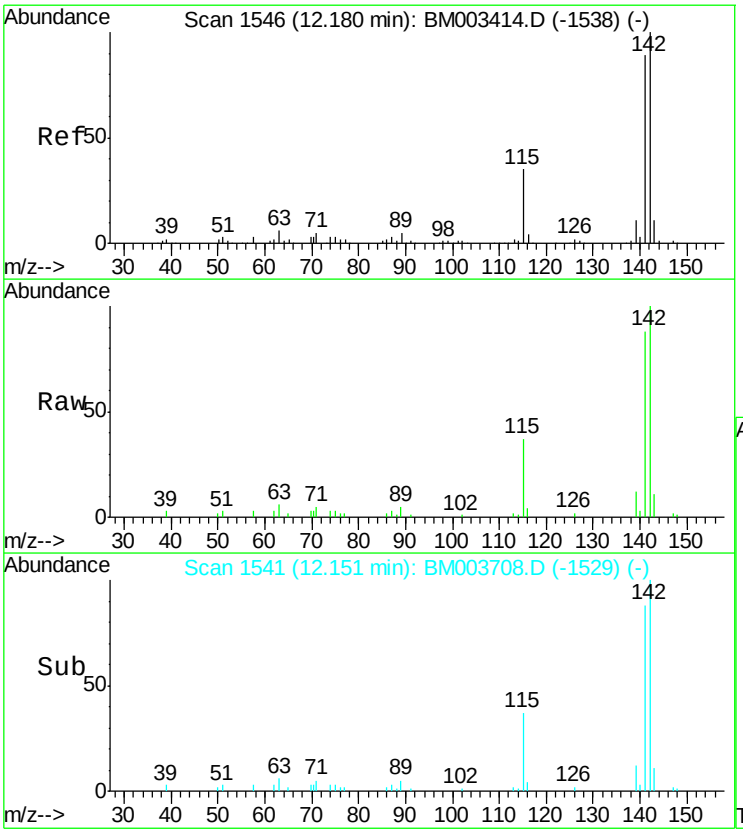
#32
Benzoic acid
Concen: 68.16 ng
RT: 9.83 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:122 Resp: 101004

Ion	Ratio	Lower	Upper
122	100		
105	124.7	99.9	139.9
77	91.5	73.7	113.7

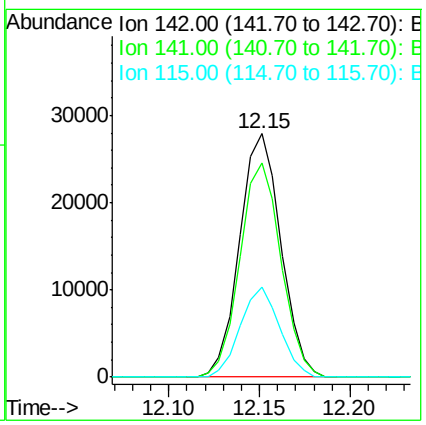


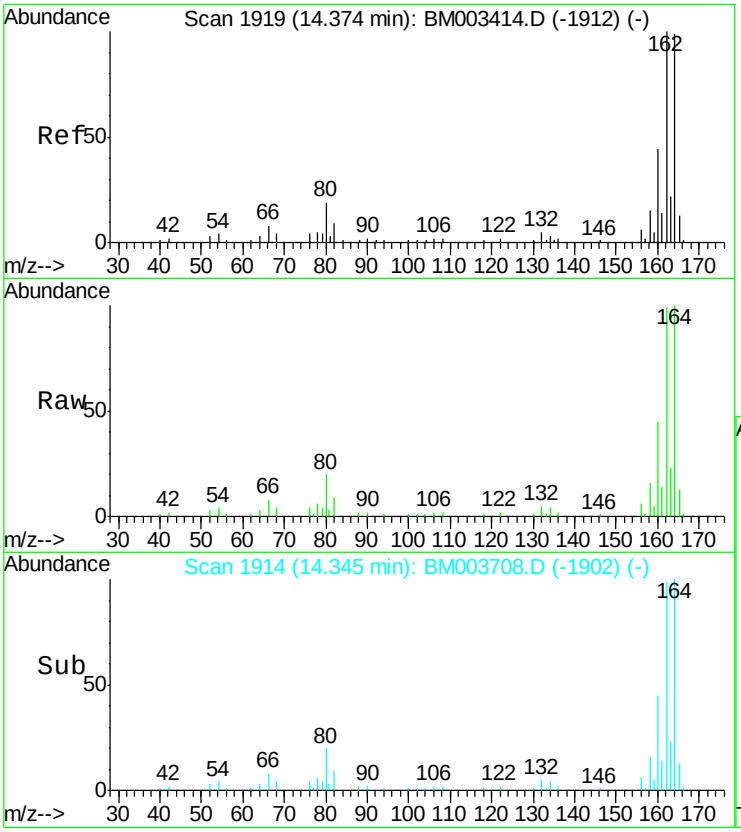


#37
2-Methylnaphthalene
Concen: 9.69 ng
RT: 12.15 min Scan# 1541
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:142 Resp: 44186

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.9	107.9
115	37.1	25.4	38.0



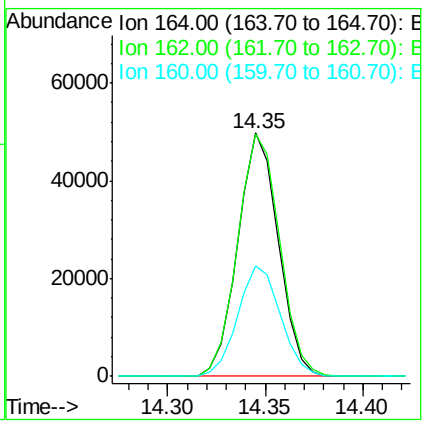


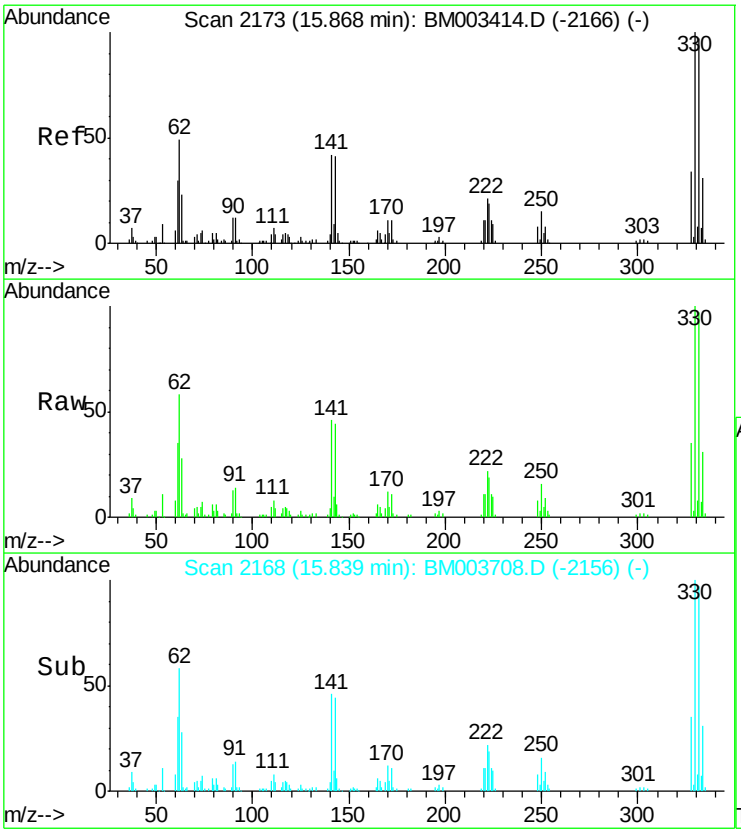
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.35 min Scan# 1914
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:164 Resp: 71454

Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.4	123.6
160	45.3	35.8	53.6

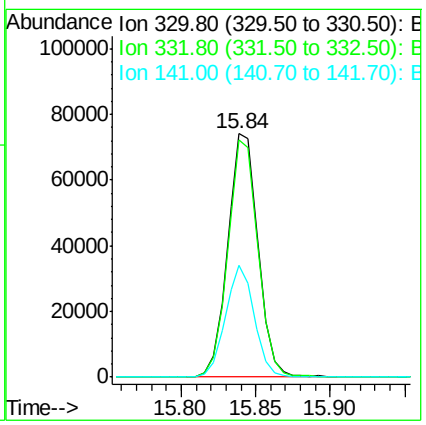


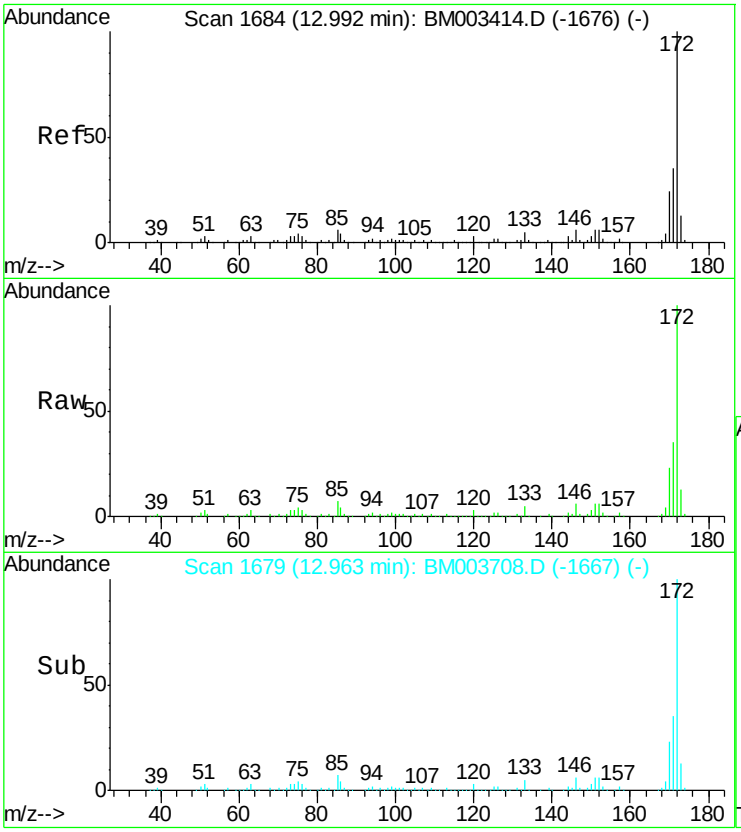


#41
2,4,6-Tribromophenol
Concen: 147.27 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:330 Resp: 105095

Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	43.8	0.0	0.0#



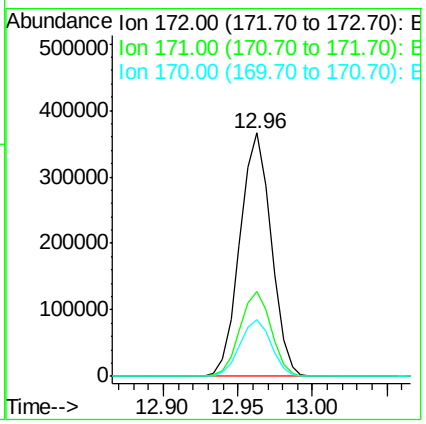


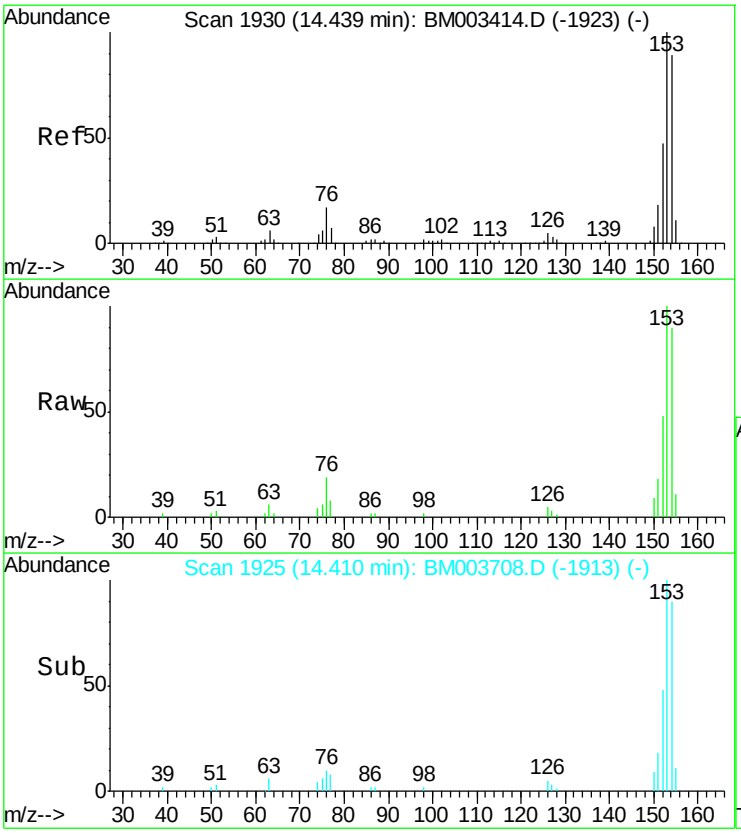
#44
2-Fluorobiphenyl
Concen: 101.34 ng
RT: 12.96 min Scan# 1679
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:172 Resp: 531466

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	23.5	18.8	28.2

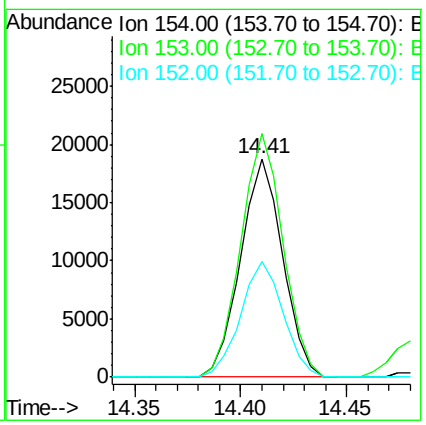


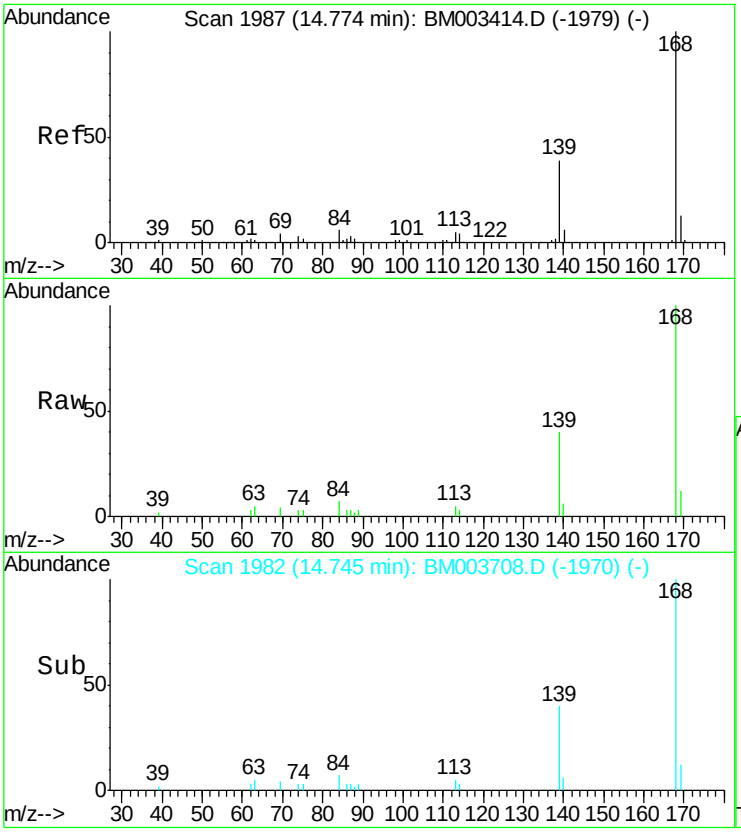


#51
Acenaphthene
Concen: 5.78 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:154 Resp: 26009

Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.0	135.0
152	53.1	42.6	63.8



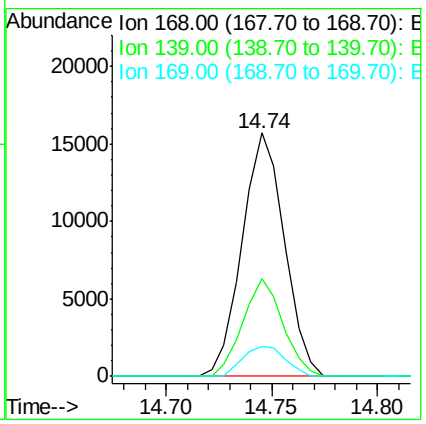


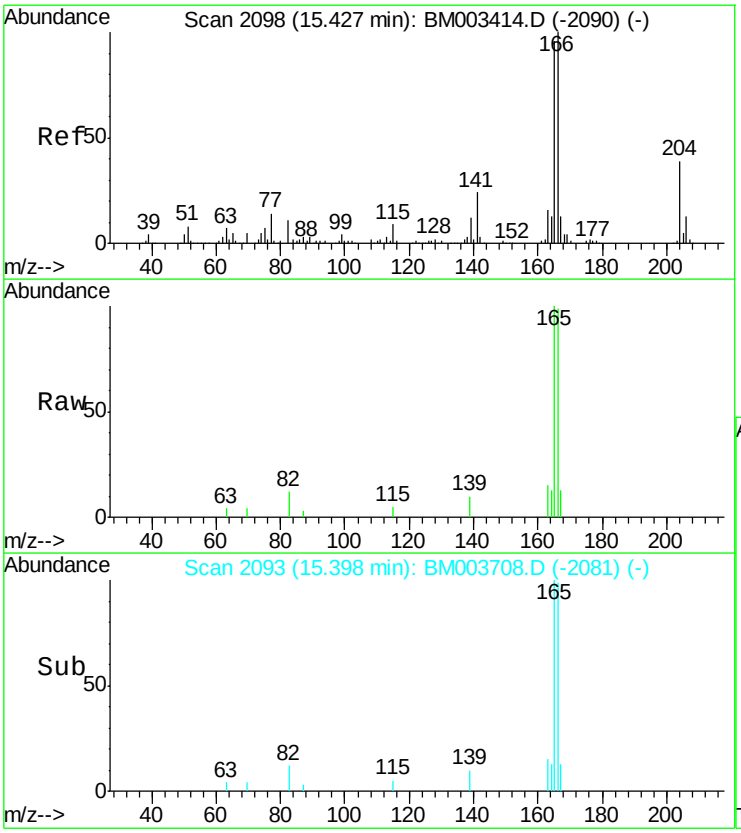
#54
Dibenzofuran
Concen: 3.37 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:168 Resp: 21862

Ion	Ratio	Lower	Upper
168	100		
139	40.1	27.3	40.9
169	12.1	10.6	16.0

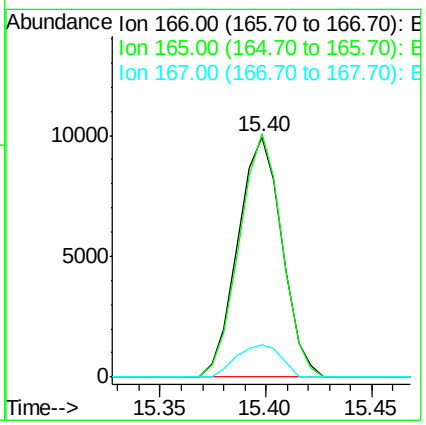


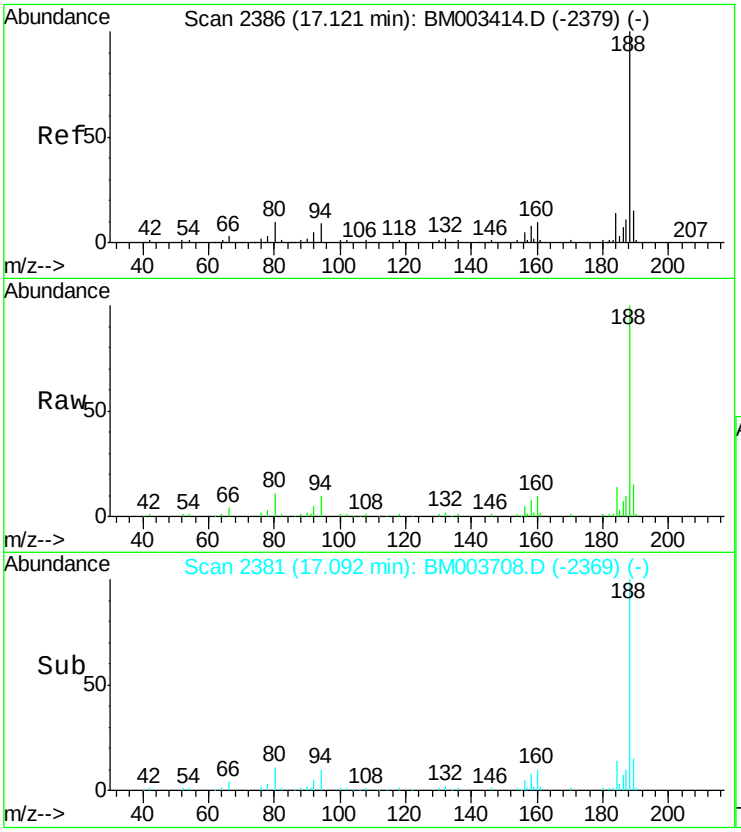


#57
Fluorene
Concen: 2.67 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:166 Resp: 14388

Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.0	118.4
167	13.3	10.3	15.5



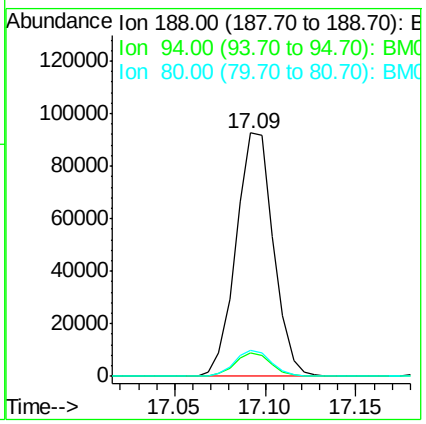


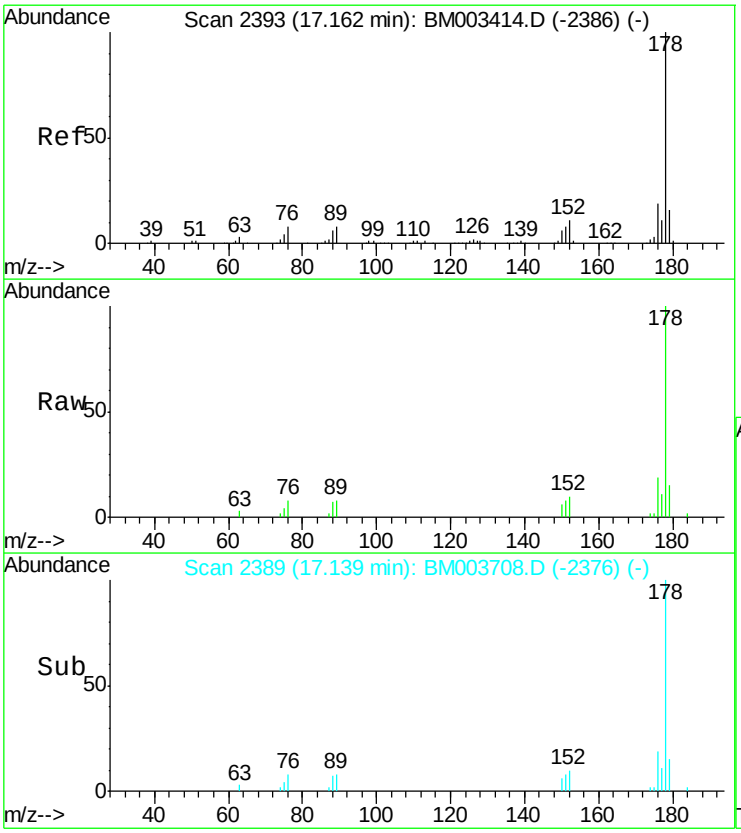
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.09 min Scan# 2381
Delta R.T. -0.03 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:188 Resp: 132302

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.7	13.1
80	10.6	9.3	13.9

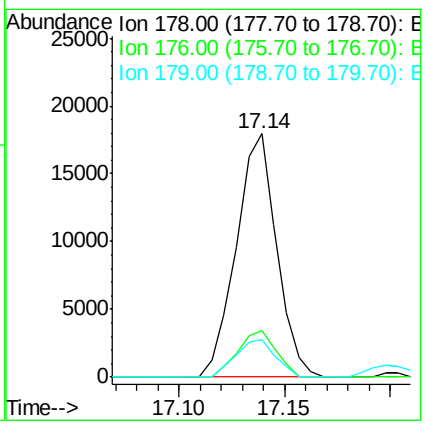


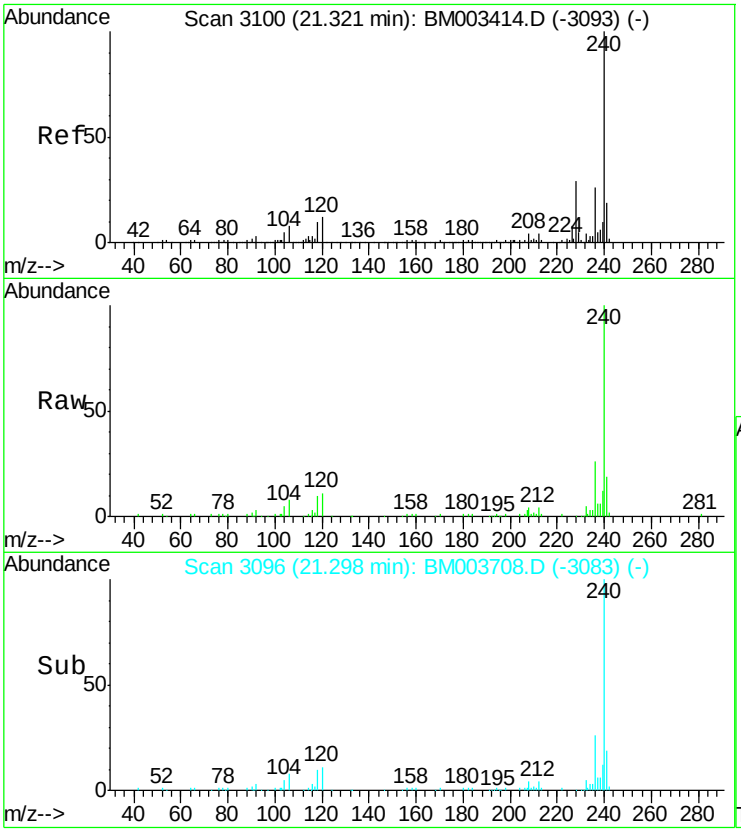


#70
Phenanthrene
Concen: 3.21 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:178 Resp: 23803

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.4	12.1	18.1



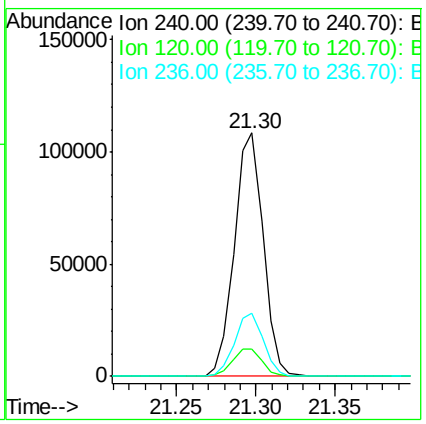


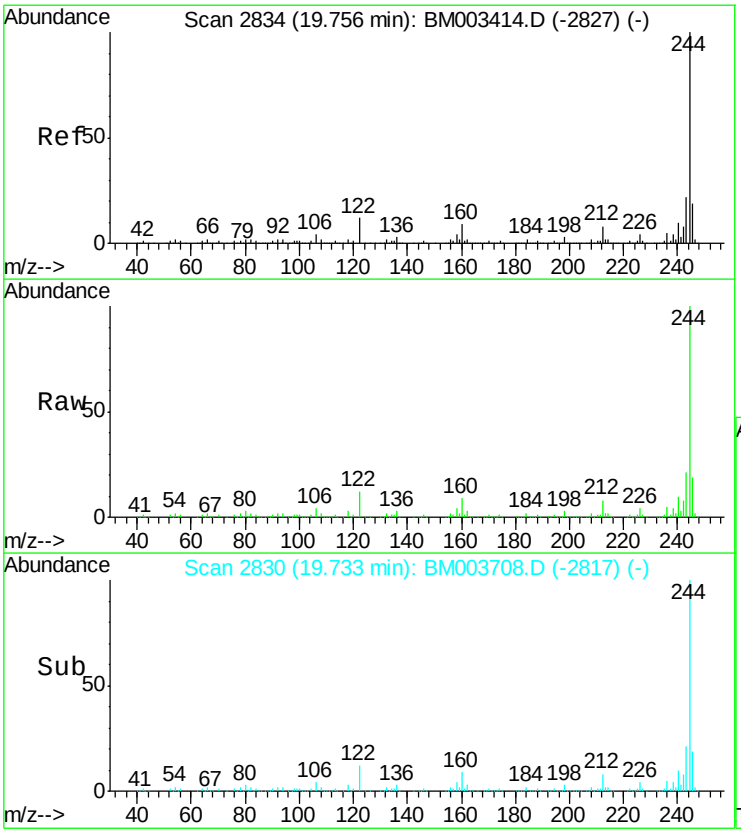
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.30 min Scan# 3096
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:240 Resp: 136687

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.2	12.2
236	25.9	20.0	30.0

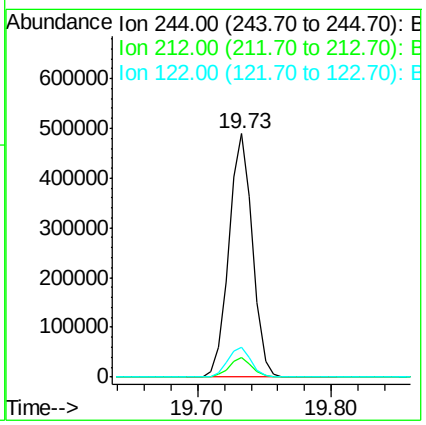


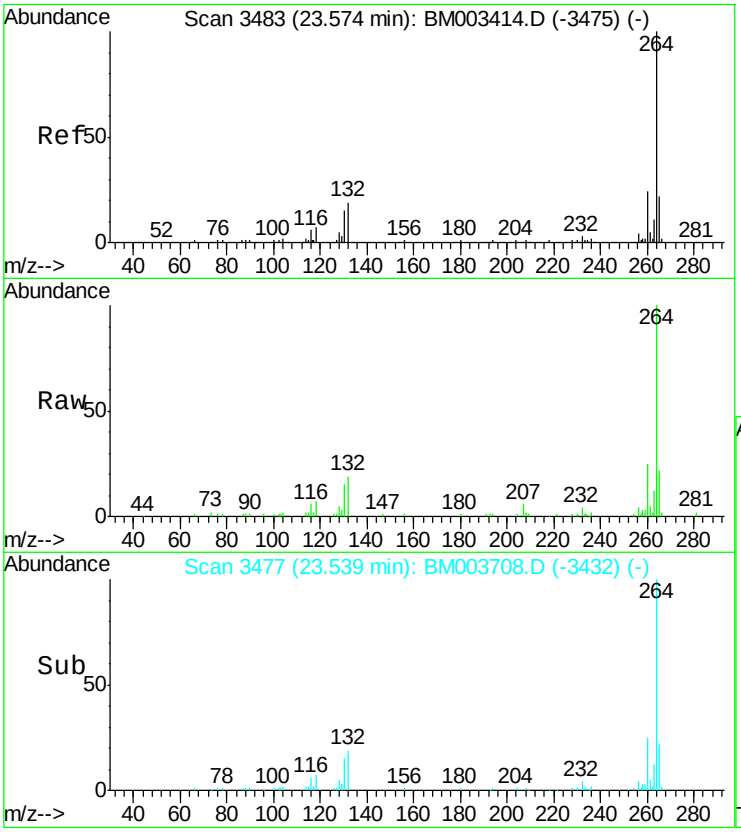


#78
Terphenyl-d14
Concen: 104.06 ng
RT: 19.73 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Tgt Ion:244 Resp: 603151

Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.9	7.3#
122	12.1	6.2	9.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.54 min Scan# 3477
Delta R.T. -0.04 min
Lab File: BM003708.D
Acq: 22 Dec 2015 15:09

Instrument :
BNA_M
ClientSampleId :
WC-SOIL-011

Tgt Ion:264 Resp: 119666

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	21.9	17.3	25.9