Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
Data File : BF081690.D
Acq On : 17 Sep 2015 21:57
Operator : UM/IZ
Sample : G3689-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LIME-TOPSOILRE

Quant Time: Sep 18 07:18:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	45785	20.00	ng		-0.04
21) Naphthalene-d8	11.07	136	179410	20.00	ng		-0.06
38) Acenaphthene-d10	15.20	164	80708	20.00	ng		-0.06
63) Phenanthrene-d10	18.70	188	140500	20.00	ng		-0.06
75) Chrysene-d12	23.35	240	93356	20.00	ng		-0.03
86) Perylene-d12	24.79	264	81186	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	286199	96.98	ng		-0.02
7) Phenol-d6	7.60	99	404053	103.44	ng		-0.04
23) Nitrobenzene-d5	9.48	82	269125	72.37	ng		-0.06
41) 2,4,6-Tribromophenol	17.10	330	69408	96.58	ng		-0.07
44) 2-Fluorobiphenyl	13.72	172	402239	63.87	ng		-0.06
78) Terphenyl-d14	22.07	244	221485	55.23	ng		-0.04
Target Compounds							Qvalue
49) Dimethylphthalate	14.77	163	95825	15.28	ng	#	96
70) Phenanthrene	18.76	178	37863m	4.85	ng		
74) Fluoranthene	21.39	202	93825	11.10	ng		88
77) Pyrene	21.74	202	80237	11.60	ng	#	93
80) Benzo(a)anthracene	23.34	228	38311	6.44	ng		94
82) Chrysene	23.37	228	50853m	9.54	ng		
85) Indeno(1,2,3-cd)pyrene	25.83	276	21017	5.38	ng	#	68
87) Benzo(b)fluoranthene	24.45	252	58881m	10.16	ng		
88) Benzo(k)fluoranthene	24.46	252	21623m	4.50	ng		
89) Benzo(a)pyrene	24.75	252	34881m	7.10	ng		
91) Benzo(g,h,i)perylene	26.14	276	19825	5.47	ng	#	73

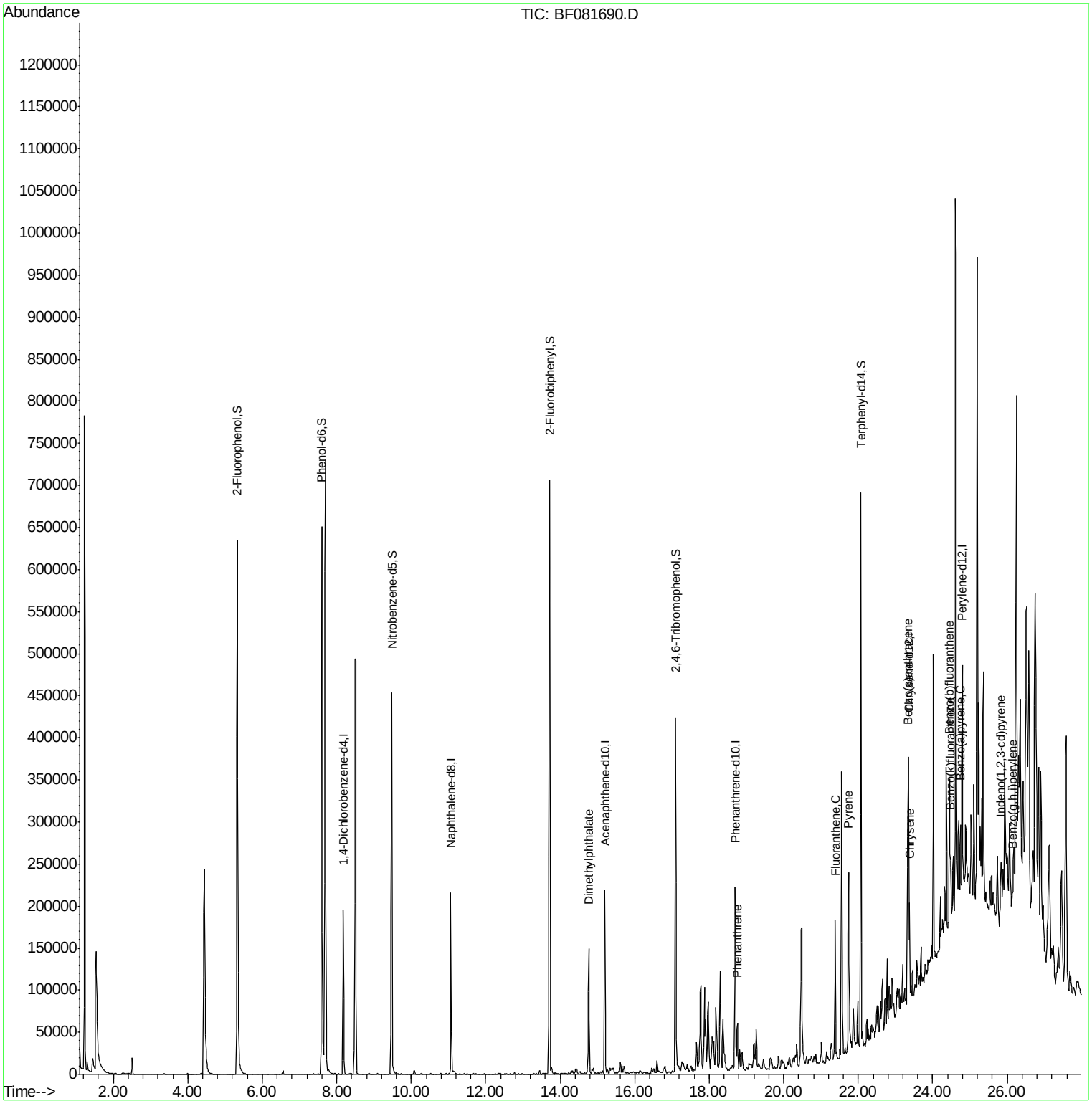
(#) = qualifier out of range (m) = manual integration (+) = signals summed

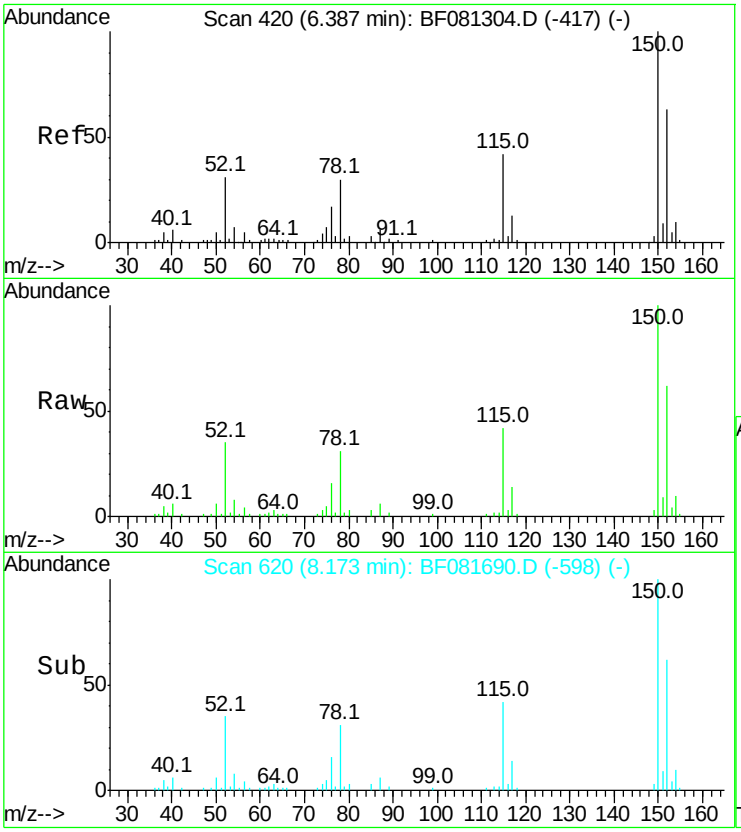
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
Data File : BF081690.D
Acq On : 17 Sep 2015 21:57
Operator : UM/IZ
Sample : G3689-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Quant Time: Sep 18 07:18:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration



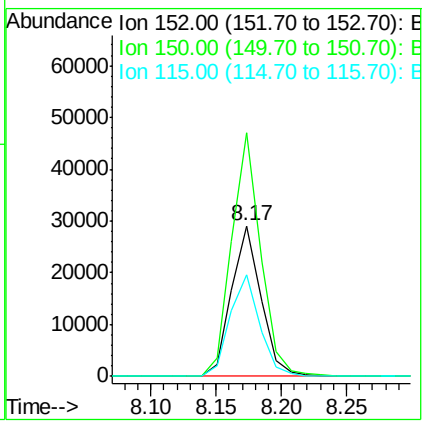


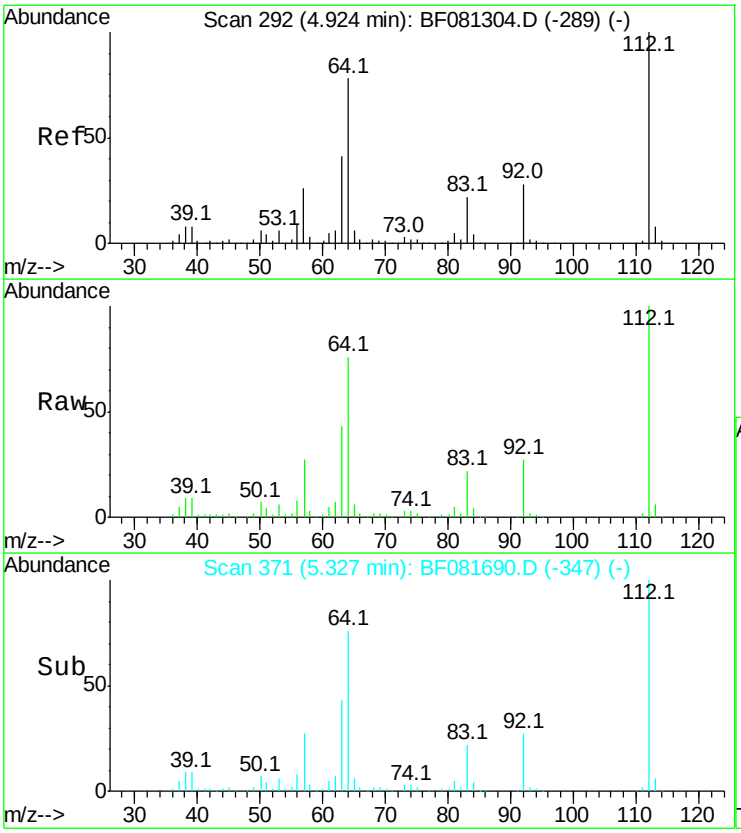
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 620
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:152 Resp: 45785

Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.7	187.1
115	67.1	39.0	58.4#

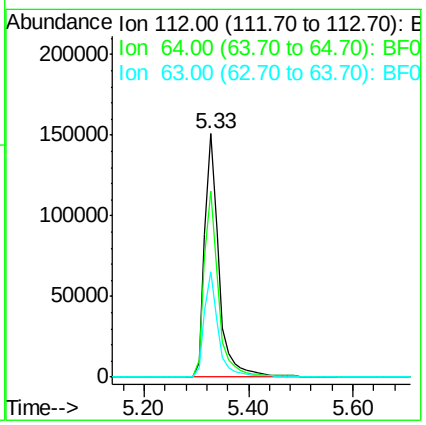


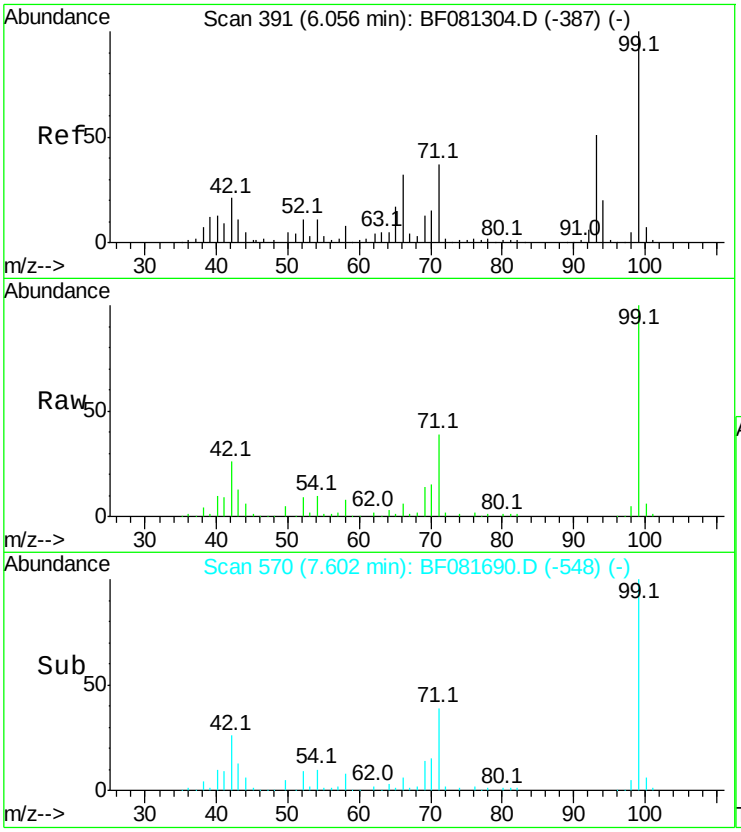


#5
2-Fluorophenol
Concen: 96.98 ng
RT: 5.33 min Scan# 371
Delta R.T. -0.02 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:112 Resp: 286199

Ion	Ratio	Lower	Upper
112	100		
64	76.4	39.7	59.5#
63	43.3	17.4	26.0#



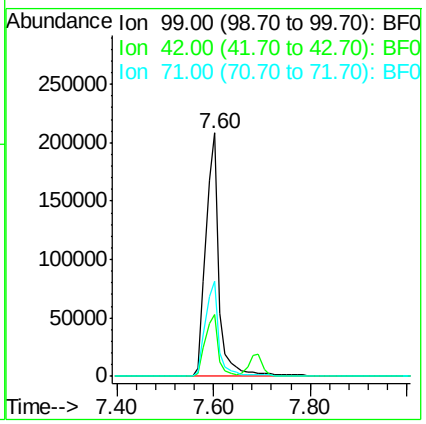


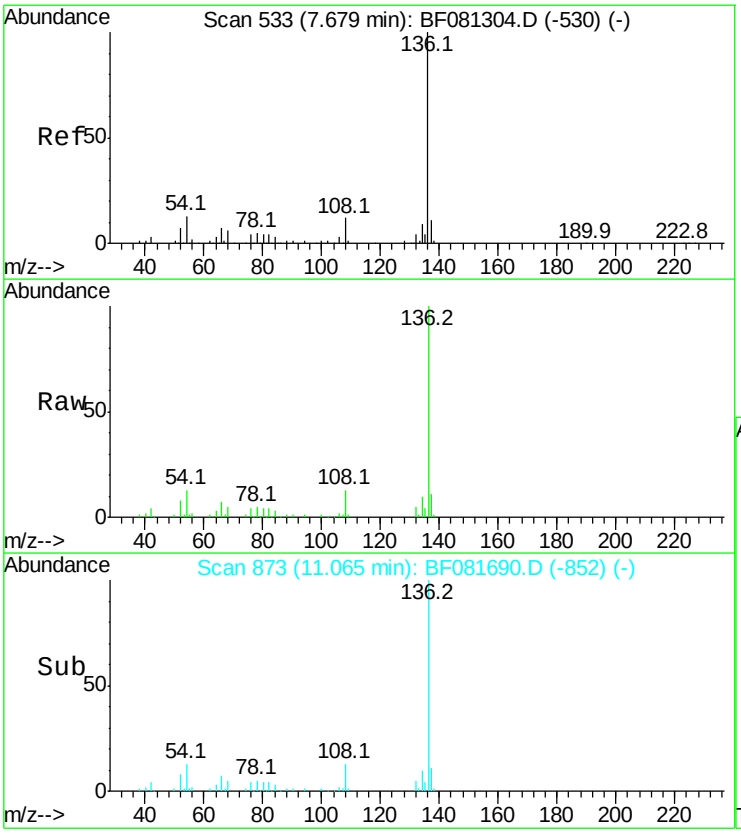
#7
Phenol-d6
Concen: 103.44 ng
RT: 7.60 min Scan# 570
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion: 99 Resp: 404053

Ion	Ratio	Lower	Upper
99	100		
42	25.5	13.7	20.5#
71	38.9	14.2	21.2#

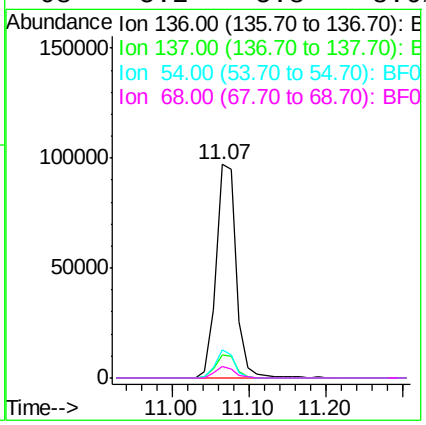


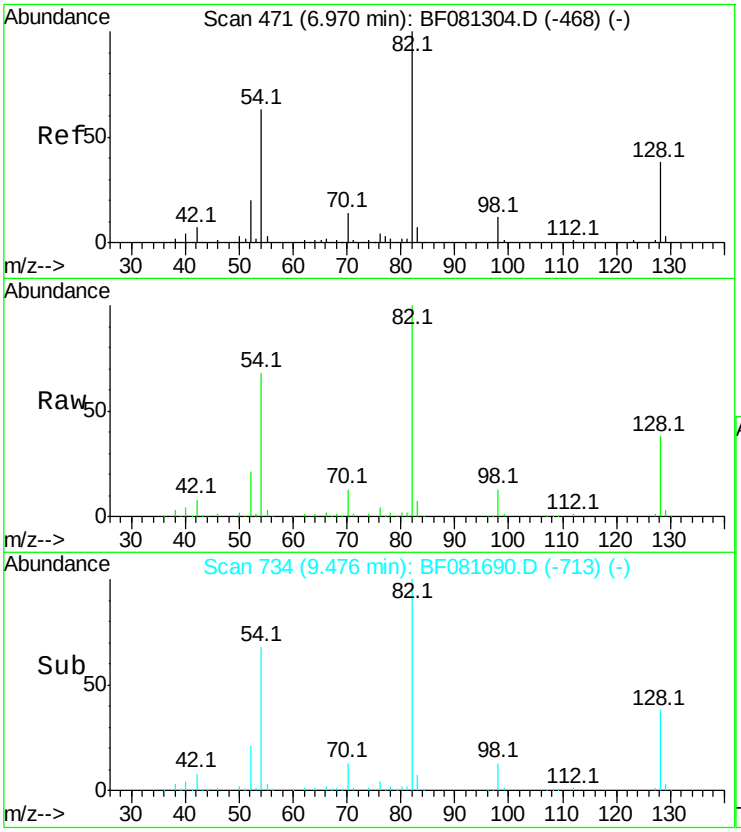


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.07 min Scan# 873
Delta R.T. -0.06 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:136 Resp: 179410

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	13.2	8.2	12.2#
68	5.2	5.8	8.6#



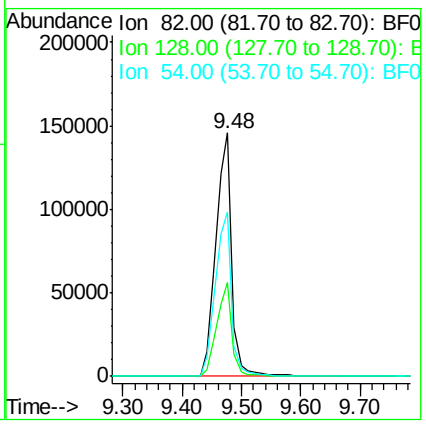


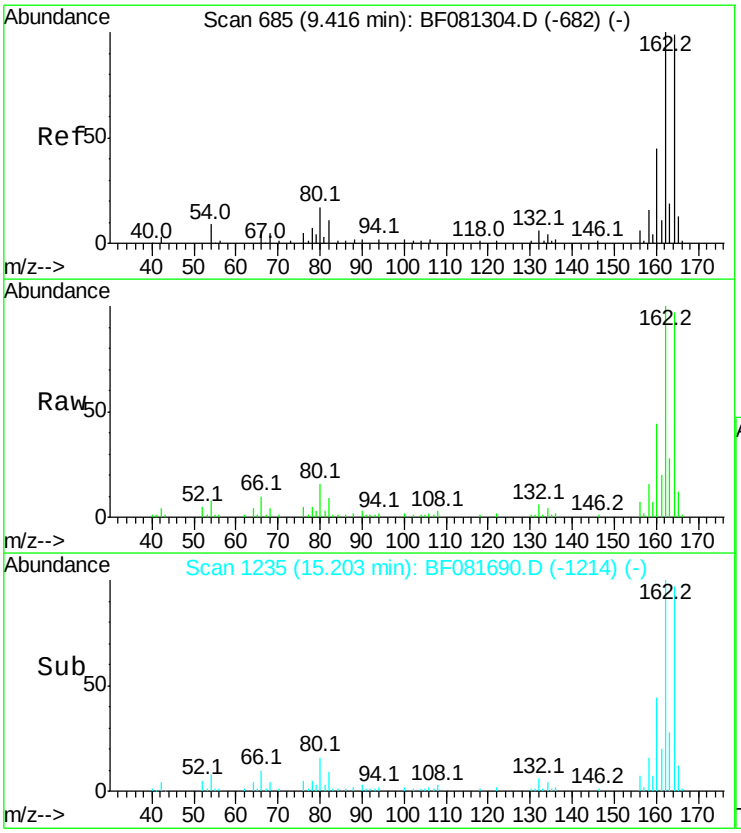
#23
Nitrobenzene-d5
Concen: 72.37 ng
RT: 9.48 min Scan# 734
Delta R.T. -0.06 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion: 82 Resp: 269125

Ion	Ratio	Lower	Upper
82	100		
128	38.5	51.0	76.6#
54	67.6	47.5	71.3

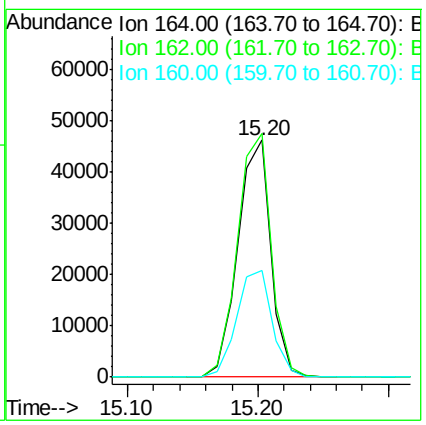


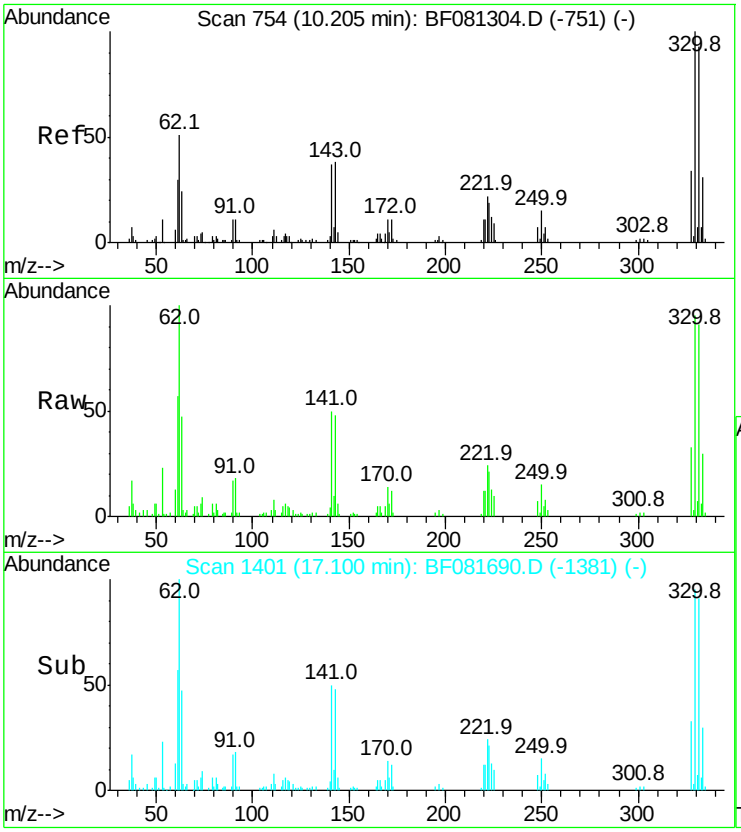


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.20 min Scan# 1235
Delta R.T. -0.06 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:164 Resp: 80708

Ion	Ratio	Lower	Upper
164	100		
162	102.8	75.2	112.8
160	44.9	31.5	47.3



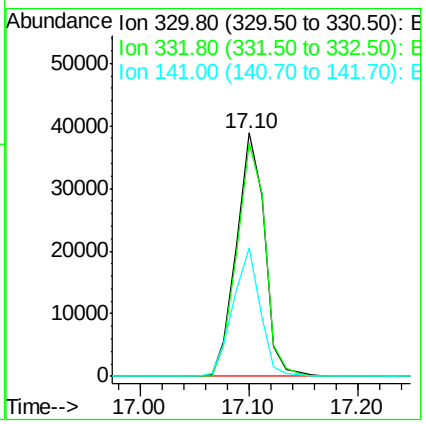


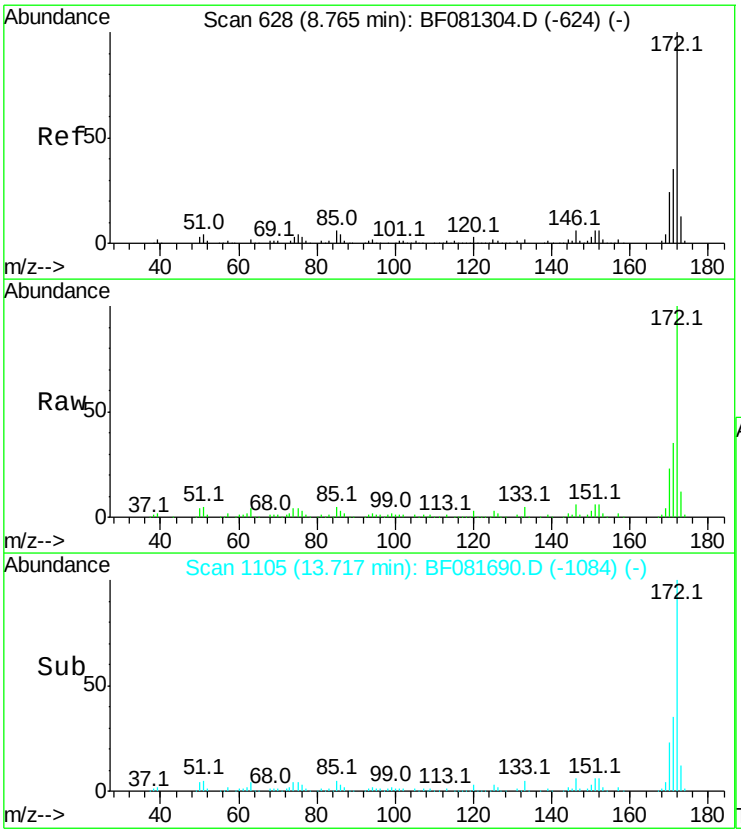
#41
2,4,6-Tribromophenol
Concen: 96.58 ng
RT: 17.10 min Scan# 1401
Delta R.T. -0.07 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:330 Resp: 69408

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	51.0	29.7	44.5#

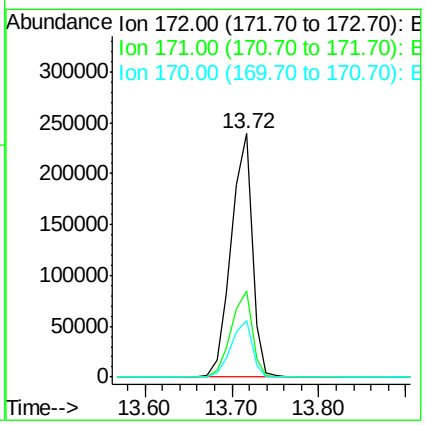


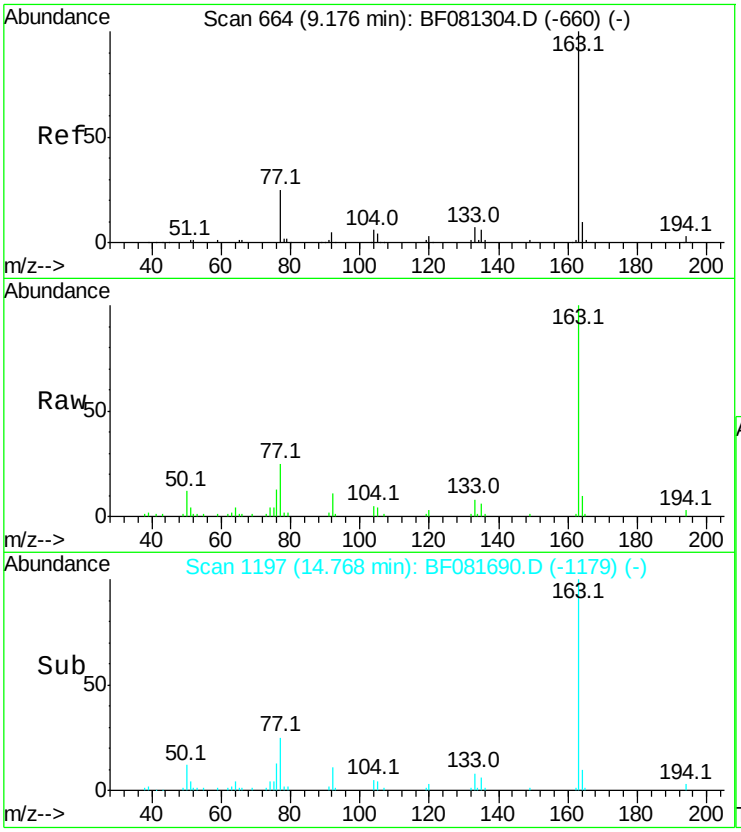


#44
2-Fluorobiphenyl
Concen: 63.87 ng
RT: 13.72 min Scan# 1105
Delta R.T. -0.06 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:172 Resp: 402239

Ion	Ratio	Lower	Upper
172	100		
171	35.3	26.1	39.1
170	23.1	17.4	26.2



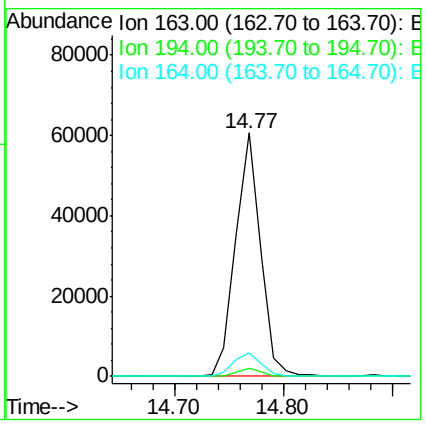


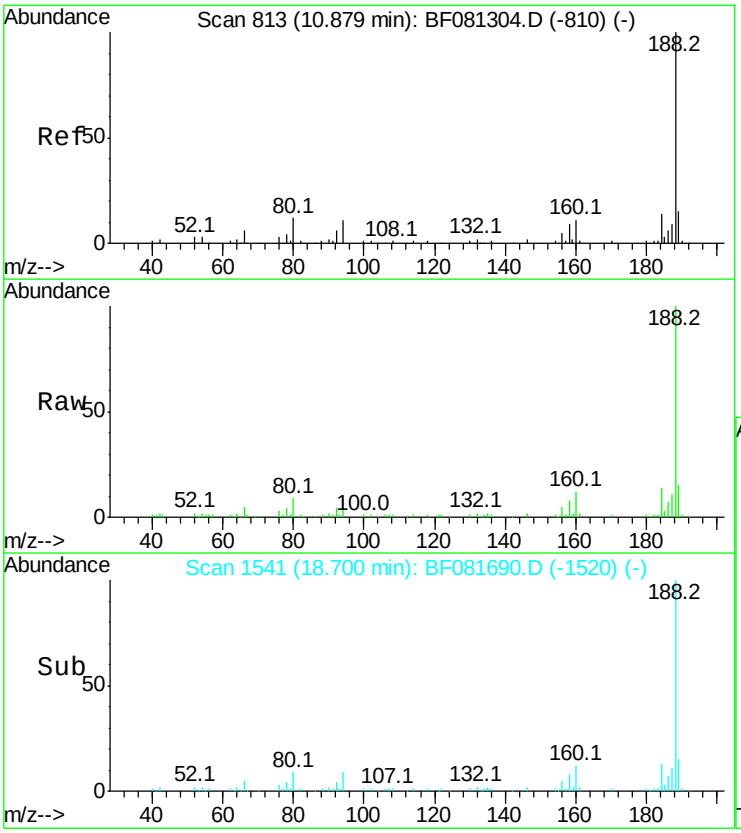
#49
Dimethylphthalate
Concen: 15.28 ng
RT: 14.77 min Scan# 1197
Delta R.T. -0.09 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:163 Resp: 95825

Ion	Ratio	Lower	Upper
163	100		
194	3.3	4.4	6.6#
164	9.6	8.3	12.5

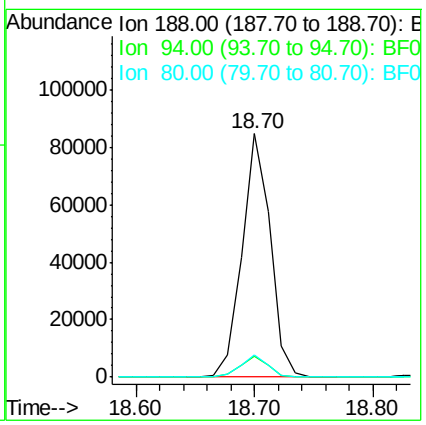


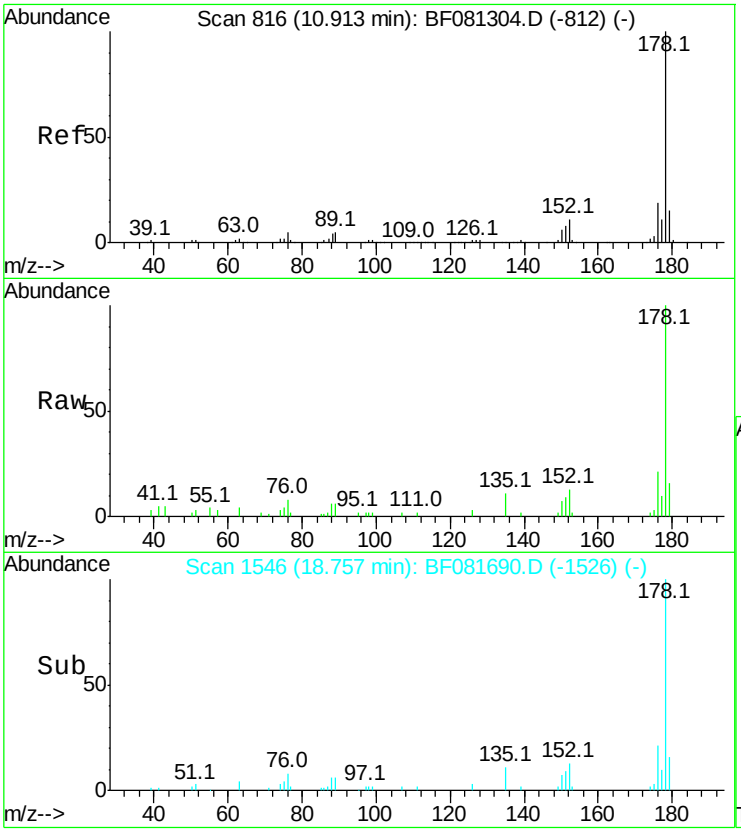


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:188 Resp: 140500

Ion	Ratio	Lower	Upper
188	100		
94	8.6	11.1	16.7#
80	9.2	11.0	16.4#



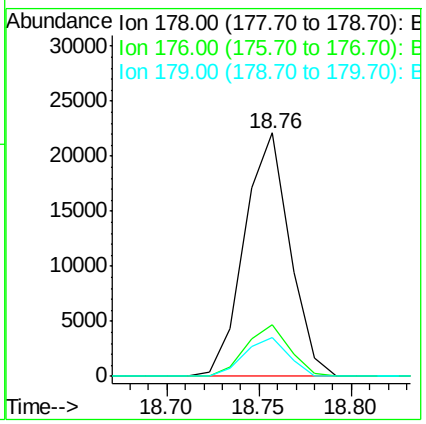


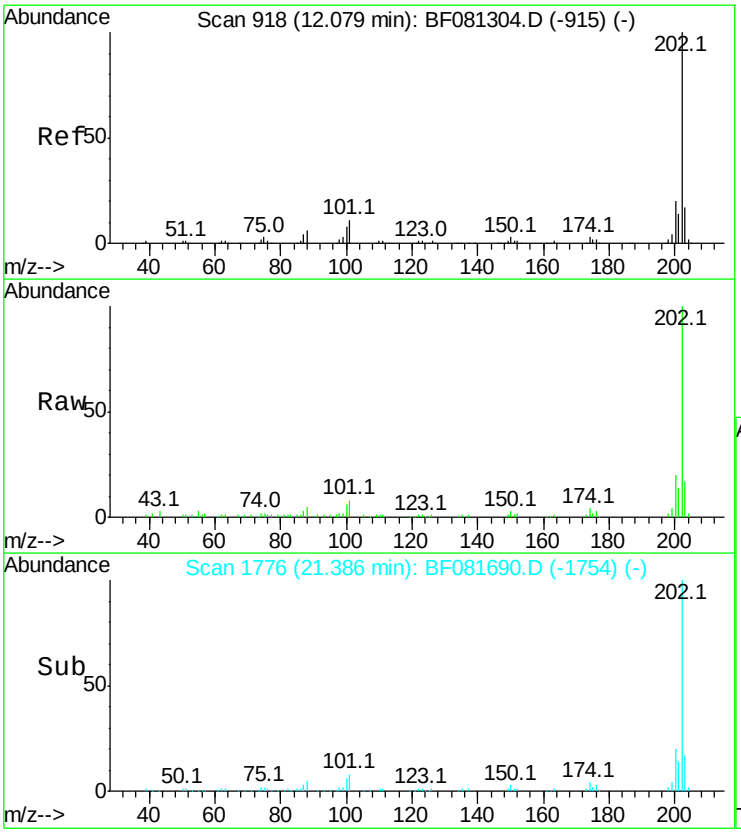
#70
Phenanthrene
Concen: 4.85 ng m
RT: 18.76 min Scan# 1546
Delta R.T. -0.07 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:178 Resp: 37863

Ion	Ratio	Lower	Upper
178	100		
176	21.0	13.8	20.8#
179	16.1	12.2	18.2

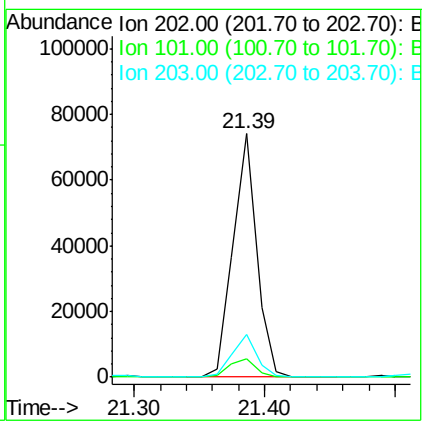


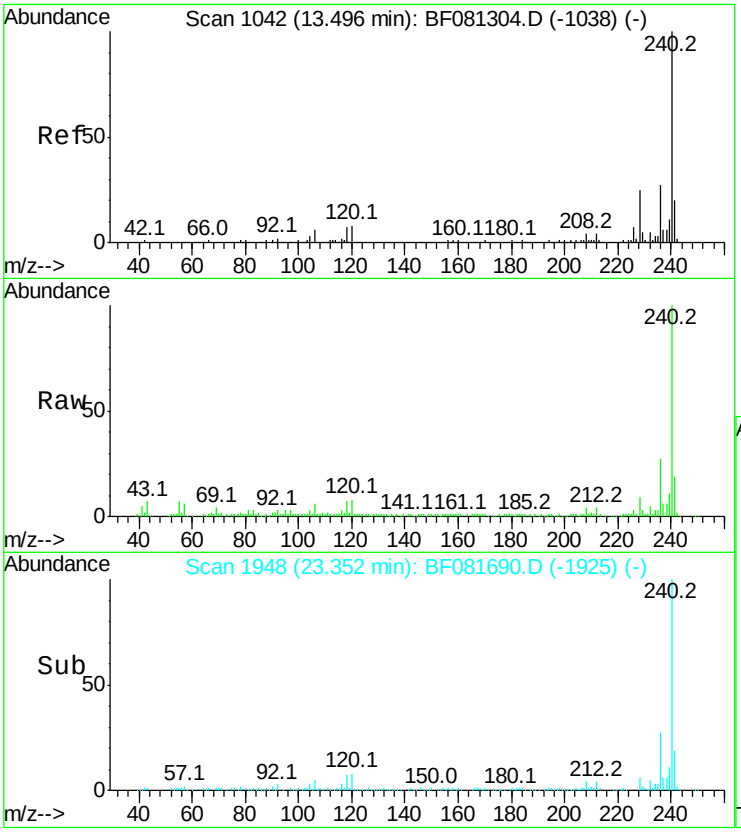


#74
Fluoranthene
Concen: 11.10 ng
RT: 21.39 min Scan# 1776
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:202 Resp: 93825

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	38.3
203	17.3	0.0	37.3



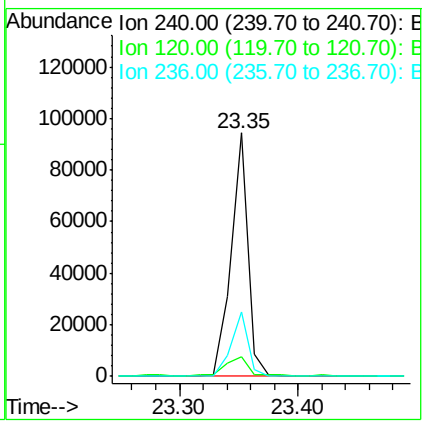


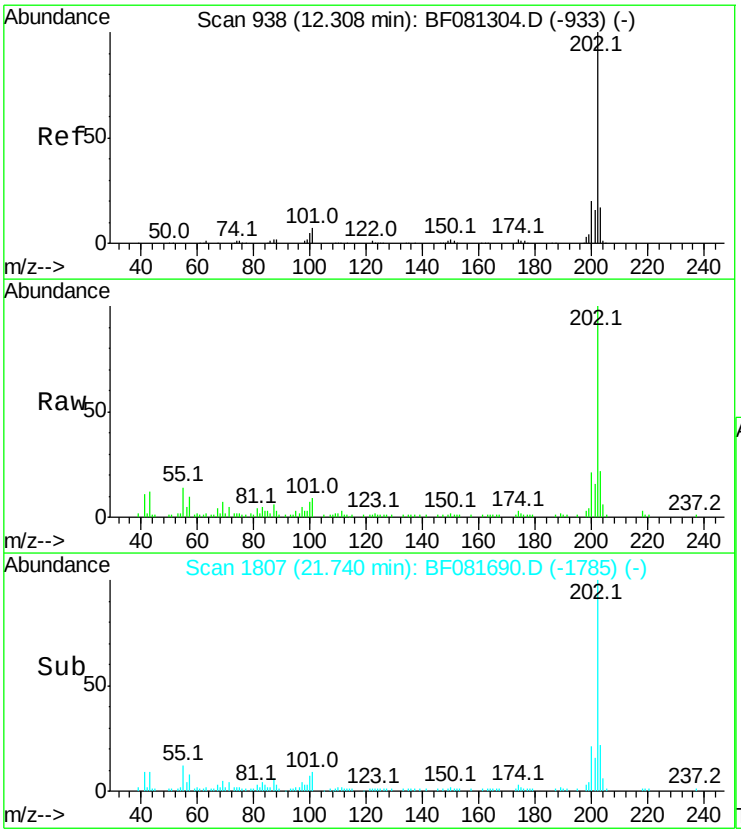
#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 1948
Delta R.T. -0.03 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:240 Resp: 93356

Ion	Ratio	Lower	Upper
240	100		
120	7.9	16.2	24.2#
236	26.6	18.4	27.6

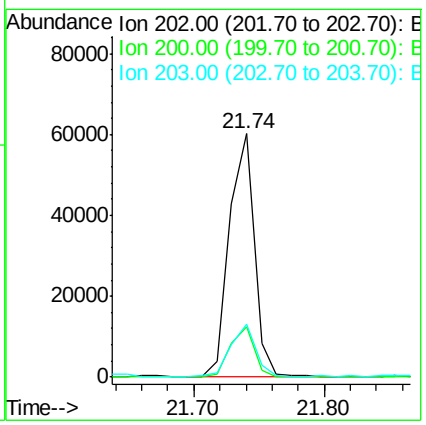


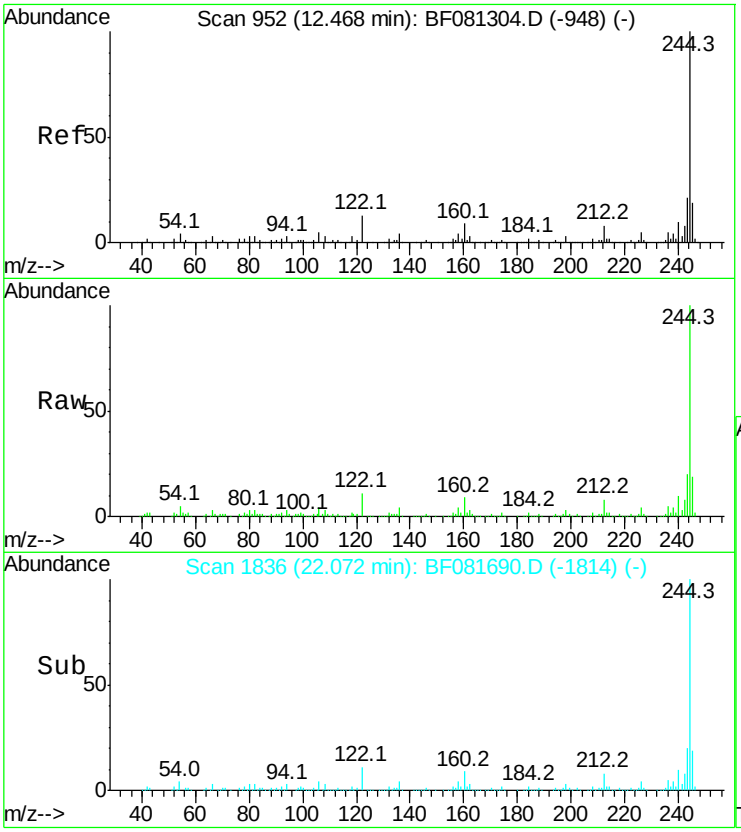


#77
Pyrene
Concen: 11.60 ng
RT: 21.74 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:202 Resp: 80237

Ion	Ratio	Lower	Upper
202	100		
200	20.8	15.0	22.4
203	21.9	14.1	21.1#



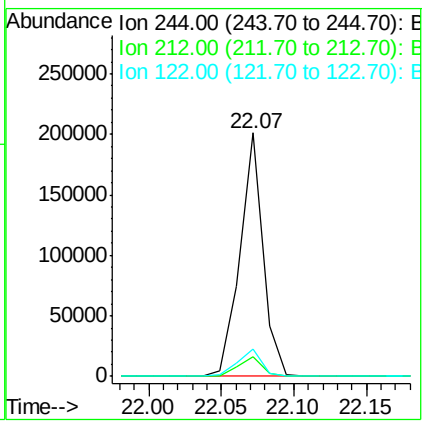


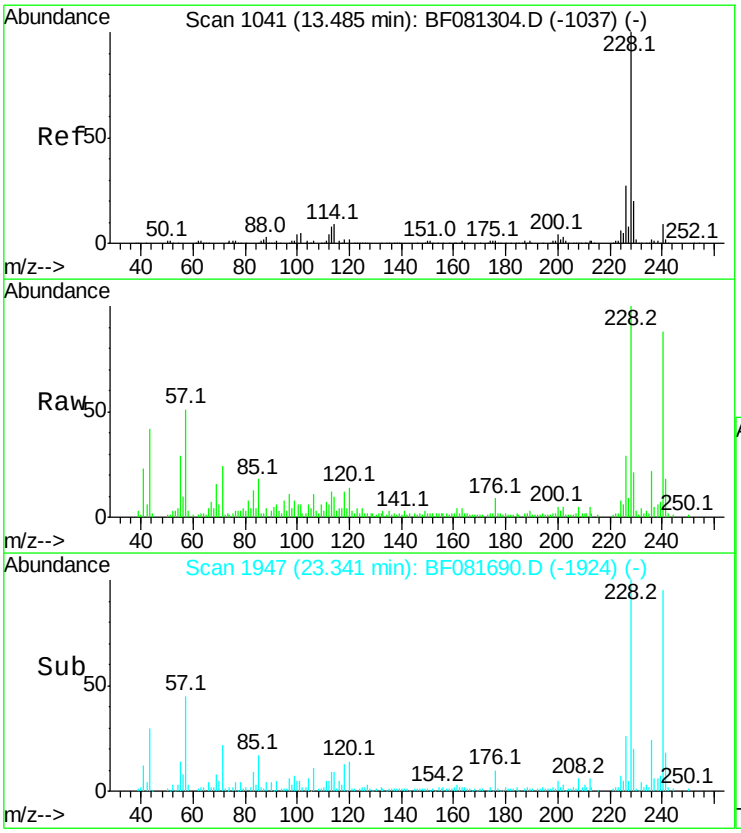
#78
Terphenyl-d14
Concen: 55.23 ng
RT: 22.07 min Scan# 1836
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:244 Resp: 221485

Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.3	6.5#
122	11.2	17.4	26.2#

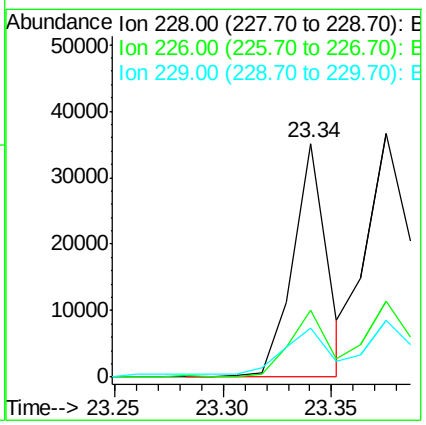


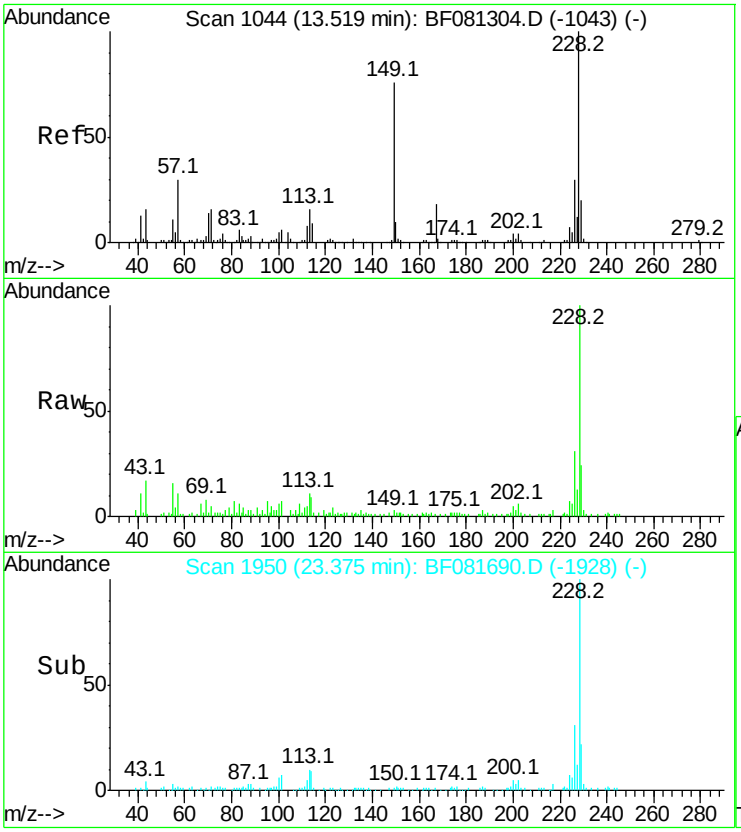


#80
Benzo(a)anthracene
Concen: 6.44 ng
RT: 23.34 min Scan# 1947
Delta R.T. -0.03 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:228 Resp: 38311

Ion	Ratio	Lower	Upper
228	100		
226	28.9	20.0	30.0
229	20.8	15.4	23.2



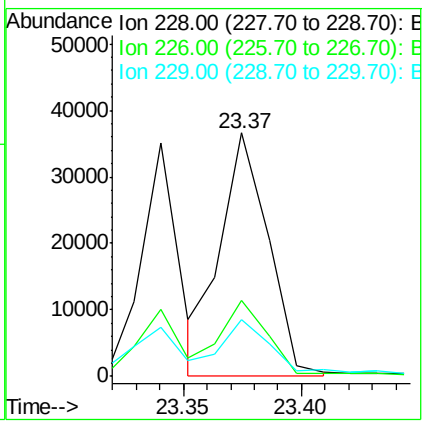


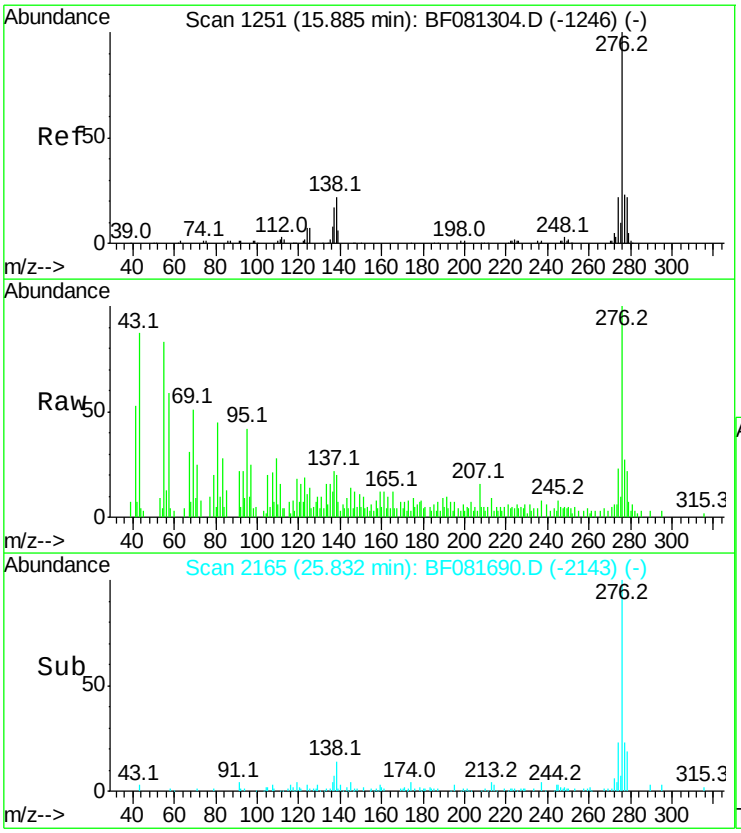
#82
Chrysene
Concen: 9.54 ng m
RT: 23.37 min Scan# 1950
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:228 Resp: 50853

Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.4
229	23.5	15.6	23.4#

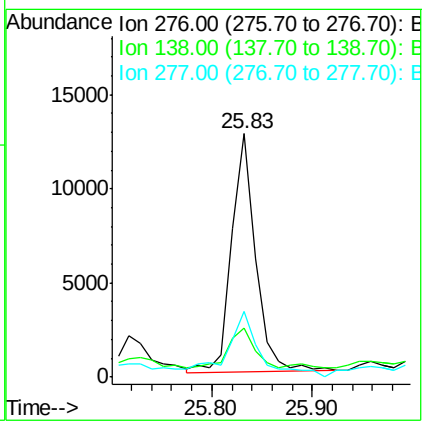


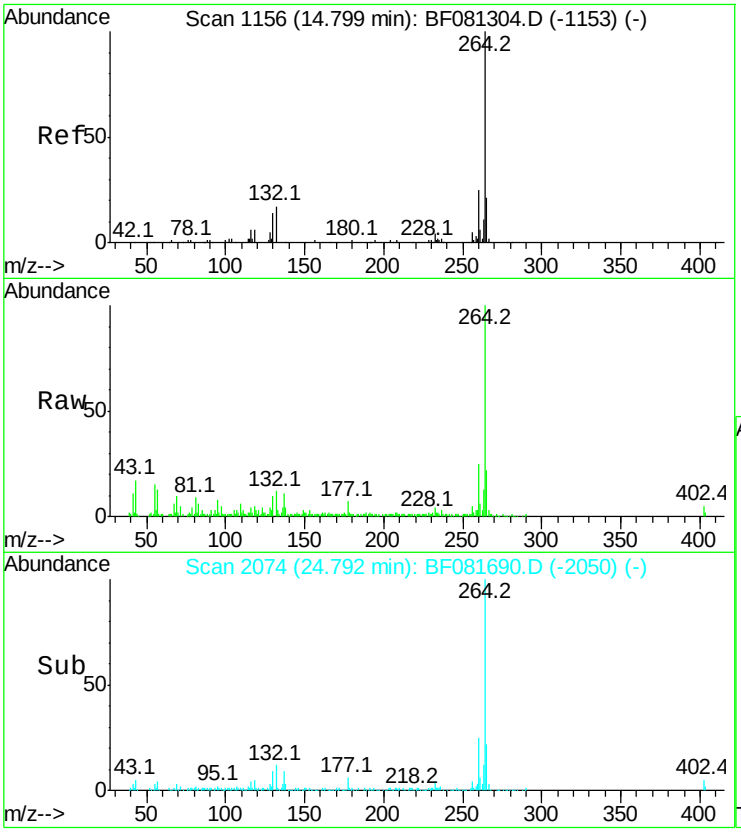


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.38 ng
RT: 25.83 min Scan# 2165
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:276 Resp: 21017

Ion	Ratio	Lower	Upper
276	100		
138	18.0	25.7	38.5#
277	39.0	15.6	23.4#



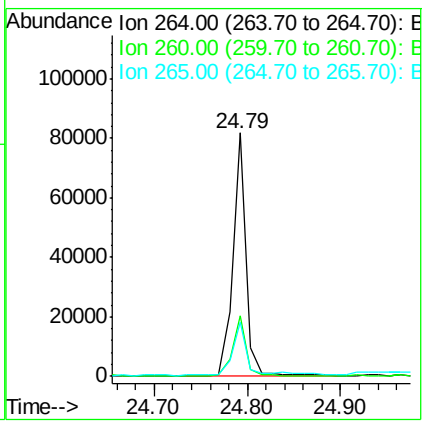


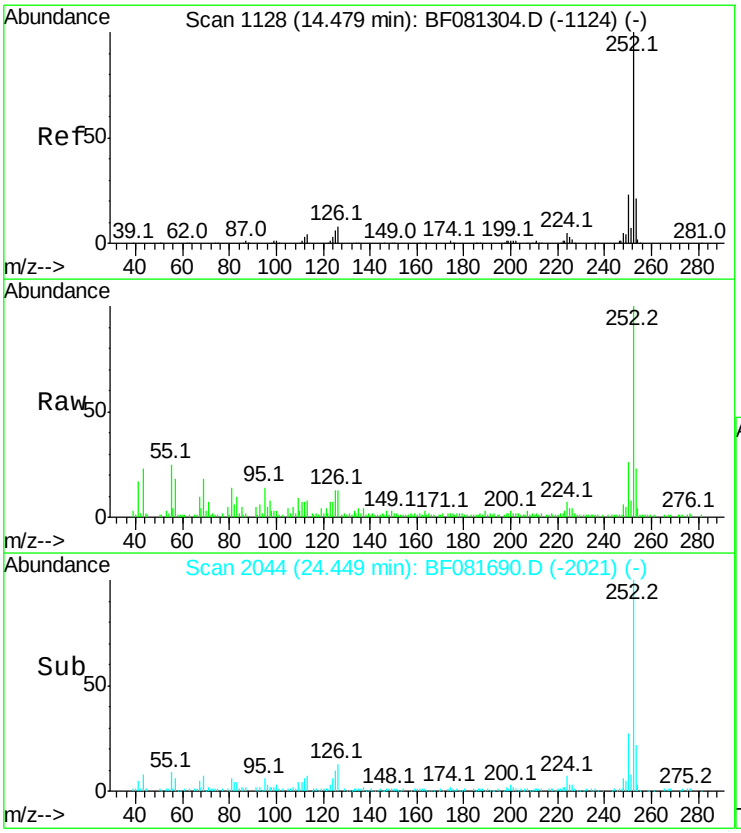
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:264 Resp: 81186

Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	22.1	17.2	25.8

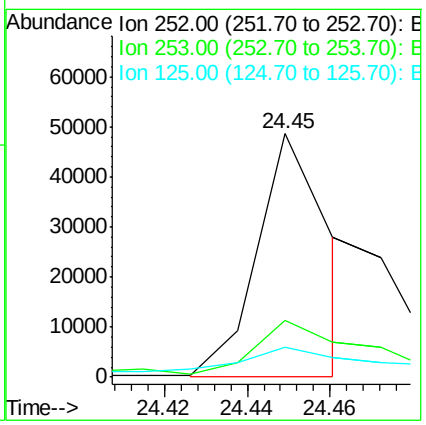


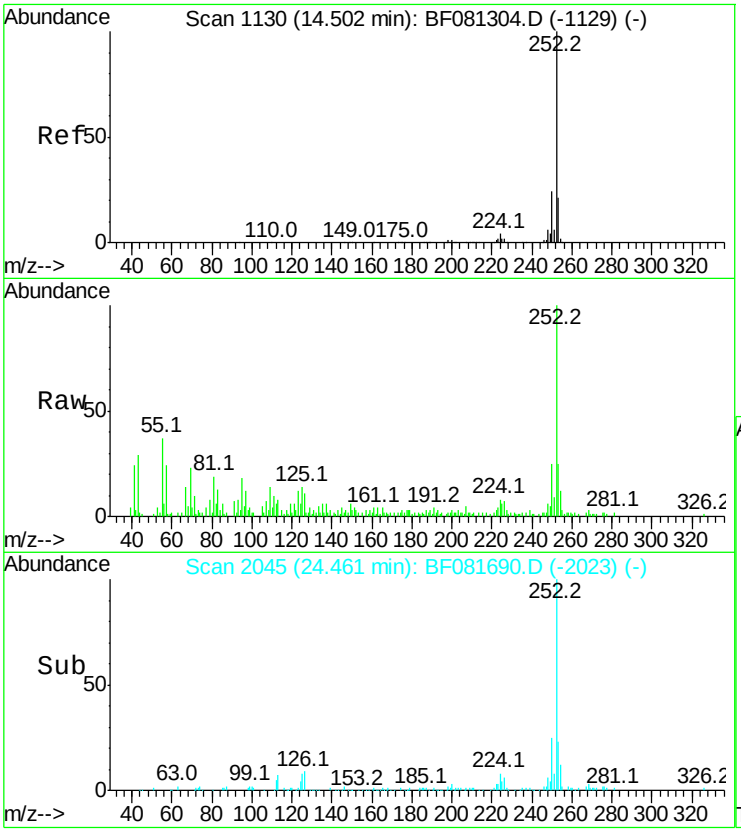


#87
Benzo(b)fluoranthene
Concen: 10.16 ng m
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:252 Resp: 58881

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.5	17.1	25.7#



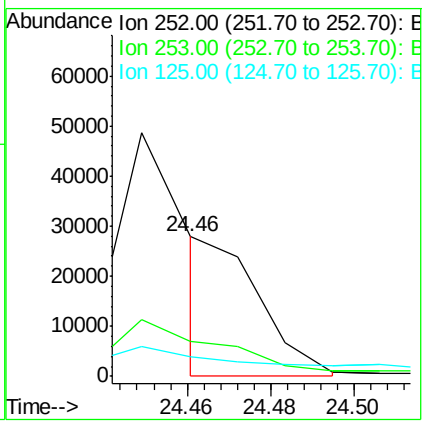


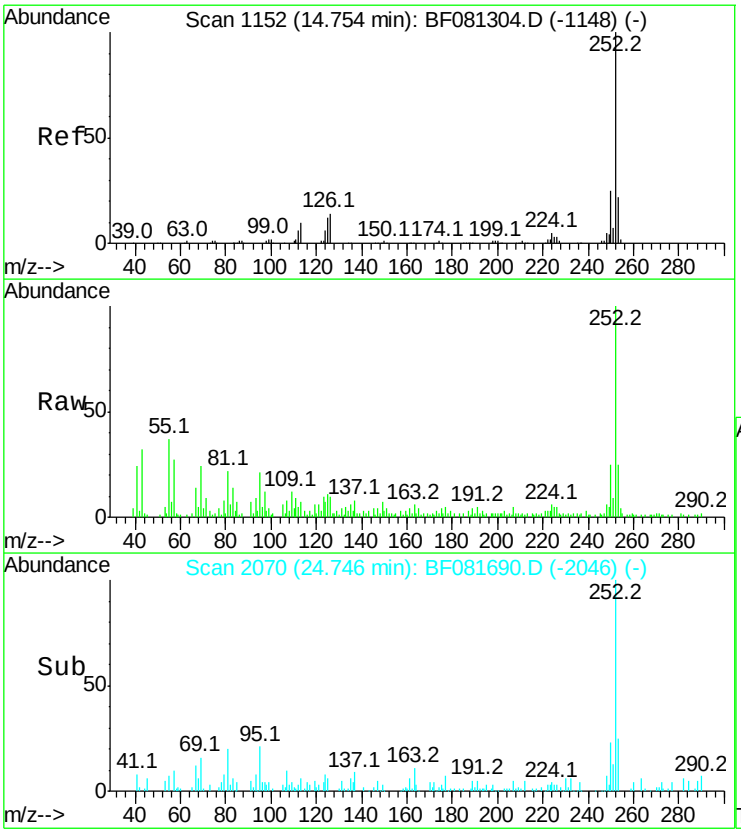
#88
Benzo(k)fluoranthene
Concen: 4.50 ng m
RT: 24.46 min Scan# 2045
Delta R.T. -0.04 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:252 Resp: 21623

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	13.6	16.0	24.0#

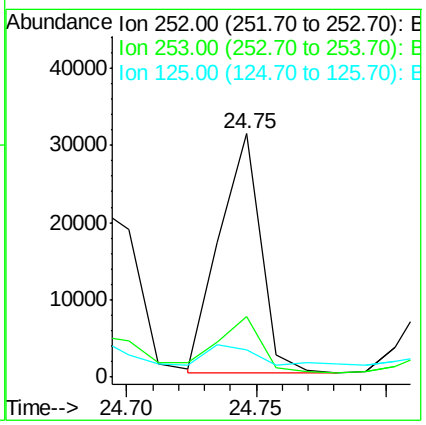


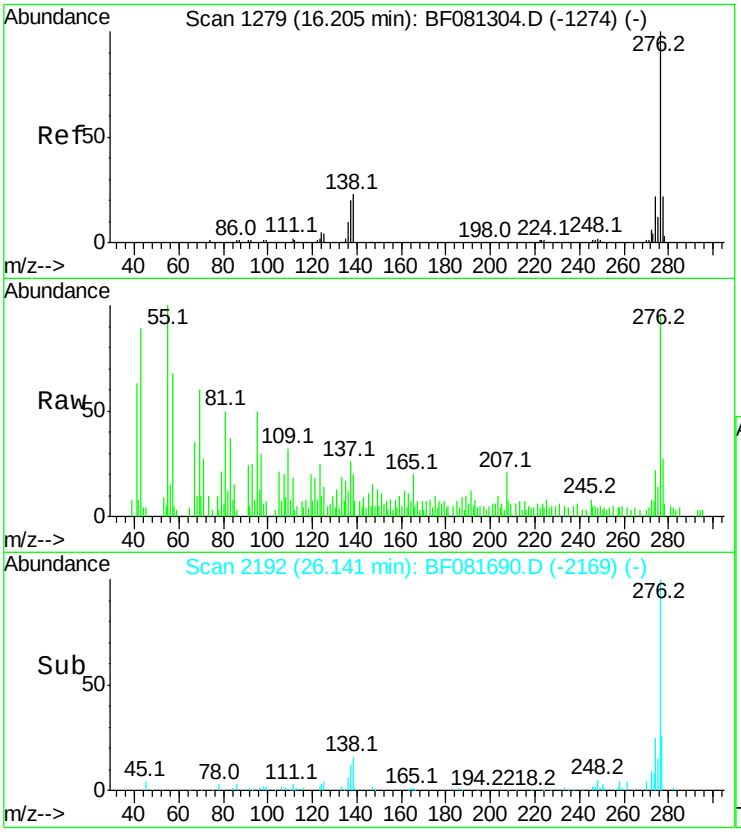


#89
Benzo(a)pyrene
Concen: 7.10 ng m
RT: 24.75 min Scan# 2070
Delta R.T. -0.02 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Tgt Ion:252 Resp: 34881

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	11.1	18.0	27.0#





#91
Benzo(g,h,i)perylene
Concen: 5.47 ng
RT: 26.14 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF081690.D
Acq: 17 Sep 2015 21:57

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOILRE

Tgt Ion:276 Resp: 19825

Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.8	26.6#
138	21.2	34.6	51.8#