Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090572.D
Acq On : 14 Oct 2016 16:33
Operator : UM/SJ
Sample : H5192-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

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Quant Time: Oct 17 15:45:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 02:03:28 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	209858	20.00	ng		0.00
21) Naphthalene-d8	8.21	136	856712	20.00	ng		0.00
38) Acenaphthene-d10	9.97	164	430788	20.00	ng		0.00
63) Phenanthrene-d10	11.46	188	708527	20.00	ng		0.00
75) Chrysene-d12	14.10	240	493707	20.00	ng		0.00
86) Perylene-d12	15.57	264	493022	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	1002828	87.60	ng		0.00
7) Phenol-d6	6.55	99	1650145	97.01	ng		0.00
23) Nitrobenzene-d5	7.48	82	971508	62.99	ng		-0.01
41) 2,4,6-Tribromophenol	10.76	330	392526	102.20	ng		0.00
44) 2-Fluorobiphenyl	9.29	172	1262962	48.31	ng		0.00
78) Terphenyl-d14	13.05	244	1081796	51.02	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.23	128	254293	5.83	ng	#	77
37) 2-Methylnaphthalene	8.93	142	147057	5.74	ng		96
49) Dimethylphthalate	9.69	163	324726	11.62	ng	#	80
51) Acenaphthene	10.01	154	164994	6.38	ng		93
57) Fluorene	10.52	166	162316	5.78	ng	#	85
70) Phenanthrene	11.49	178	1450352	38.35	ng		97
71) Anthracene	11.54	178	370459m	9.10	ng		
72) Carbazole	11.70	167	172511	4.73	ng	#	69
74) Fluoranthene	12.67	202	1792939	47.13	ng		94
77) Pyrene	12.90	202	1632991	49.94	ng		96
80) Benzo(a)anthracene	14.09	228	1207742	42.97	ng		98
82) Chrysene	14.12	228	897998m	33.16	ng		
85) Indeno(1,2,3-cd)pyrene	17.04	276	805347	51.43	ng		94
87) Benzo(b)fluoranthene	15.14	252	1196540m	37.09	ng		
88) Benzo(k)fluoranthene	15.15	252	823746m	23.73	ng		
89) Benzo(a)pyrene	15.50	252	1264973	42.83	ng		97
90) Dibenzo(a,h)anthracene	17.04	278	204404	9.07	ng		93
91) Benzo(g,h,i)perylene	17.47	276	659013	30.68	ng		98

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

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Quant Time: Oct 17 15:45:57 2016
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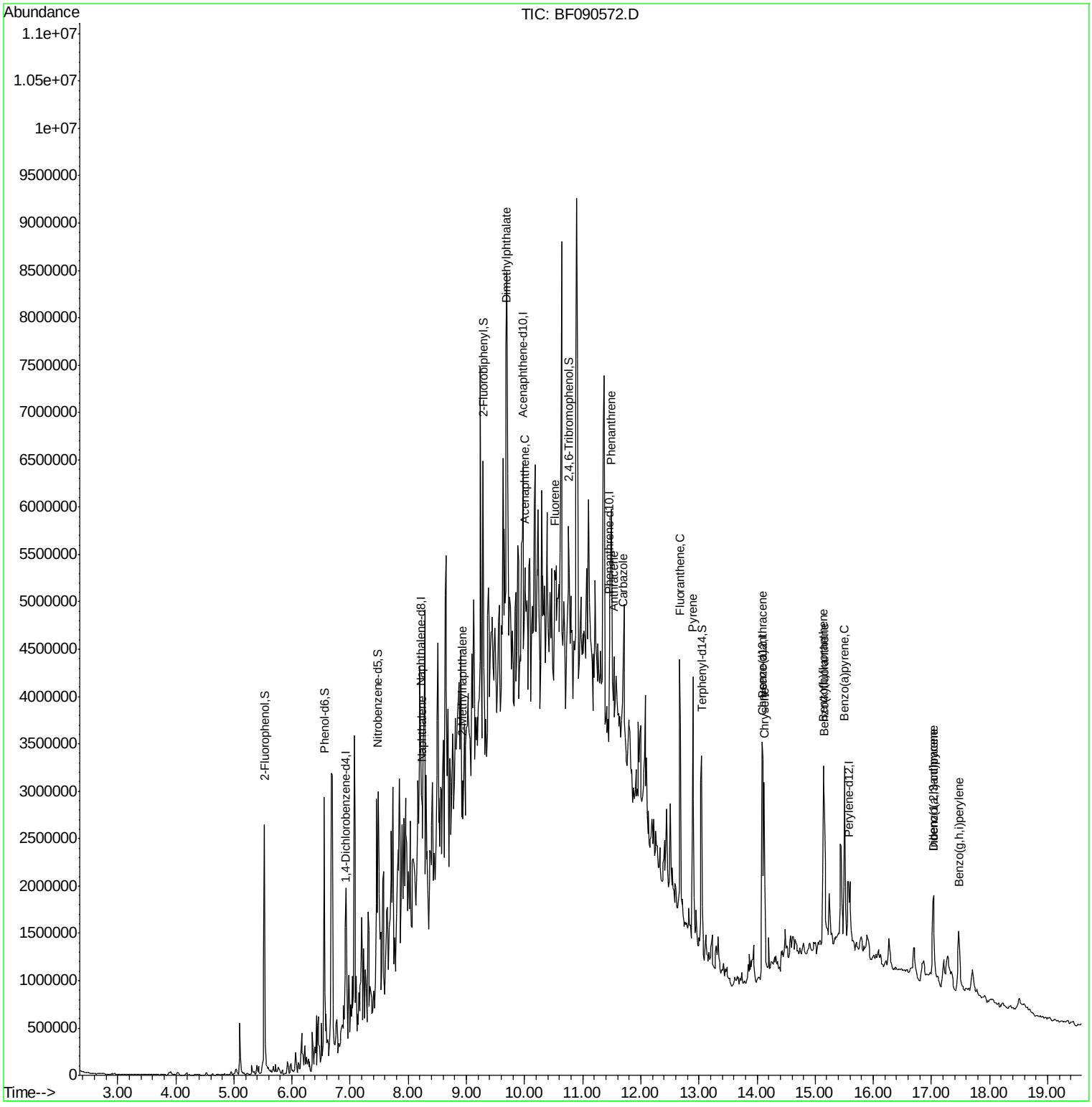
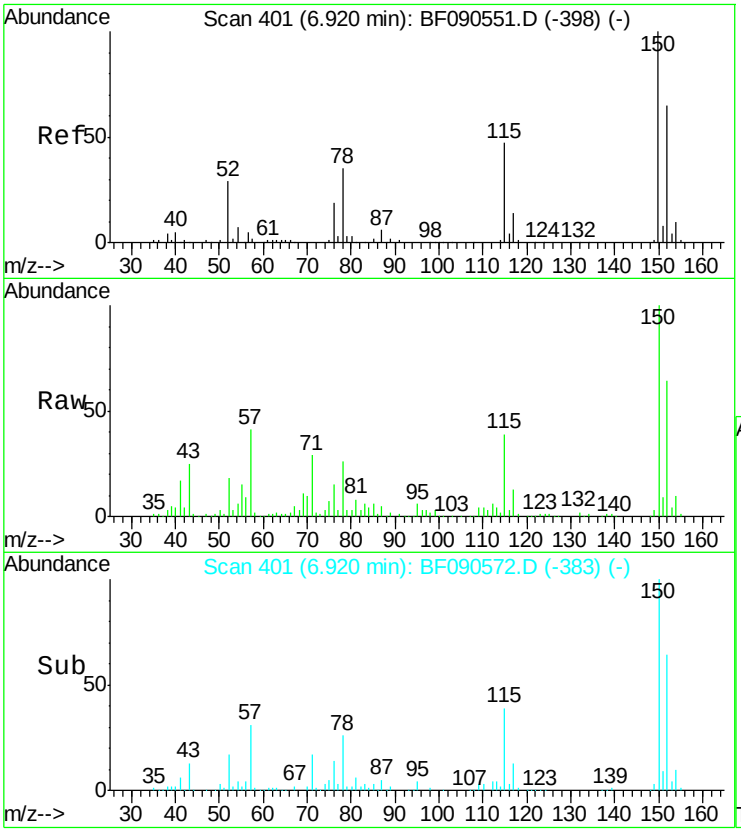
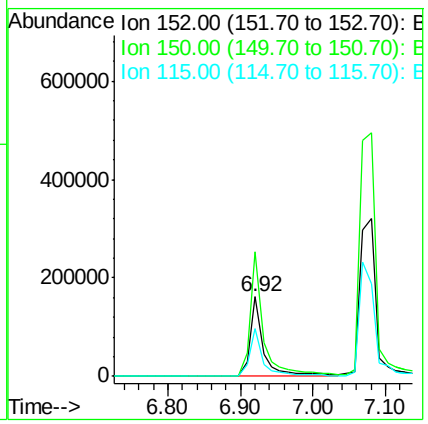




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 401
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:152 Resp: 209858

Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.2	190.8
115	60.9	58.6	88.0



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SOILWASTE-CHARACTERIZATION

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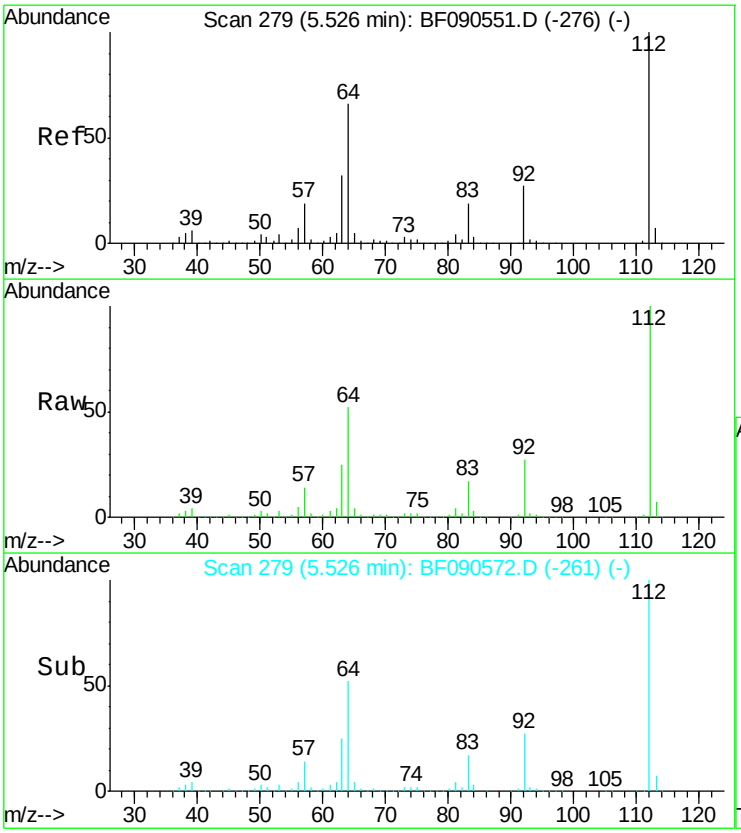
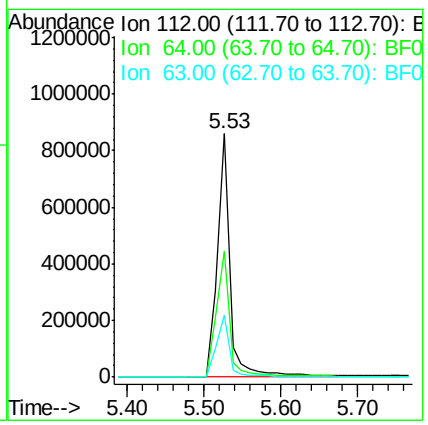
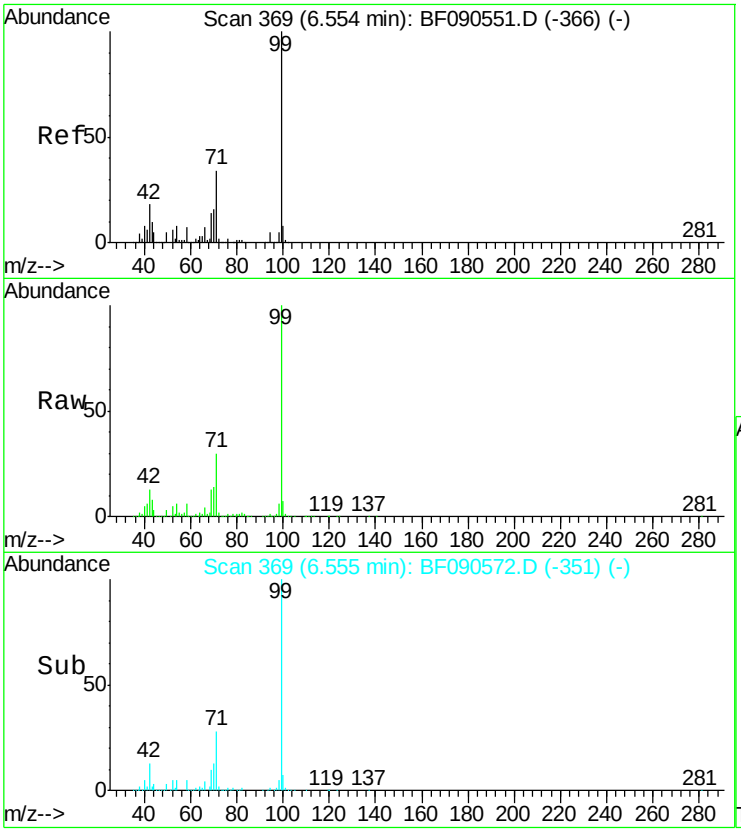


#5
2-Fluorophenol
Concen: 87.60 ng
RT: 5.53 min Scan# 279
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:112 Resp: 1002828

Ion	Ratio	Lower	Upper
112	100		
64	51.9	52.6	78.8#
63	25.2	26.0	39.0#

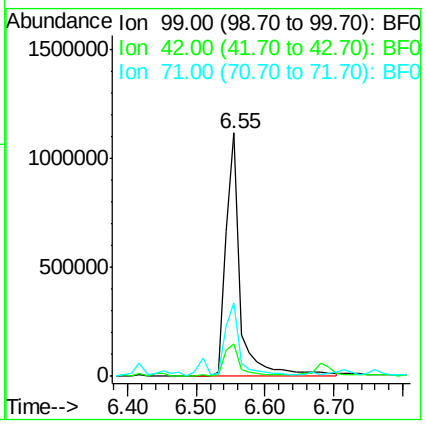




#7
Phenol-d6
Concen: 97.01 ng
RT: 6.55 min Scan# 369
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion: 99 Resp: 1650145

Ion	Ratio	Lower	Upper
99	100		
42	13.4	14.7	22.1#
71	30.0	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
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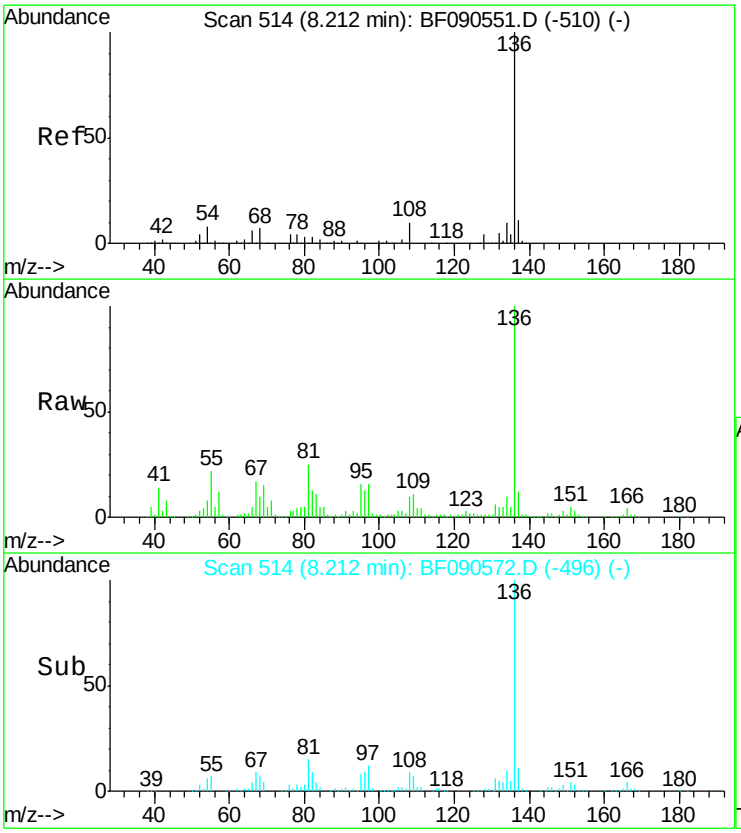
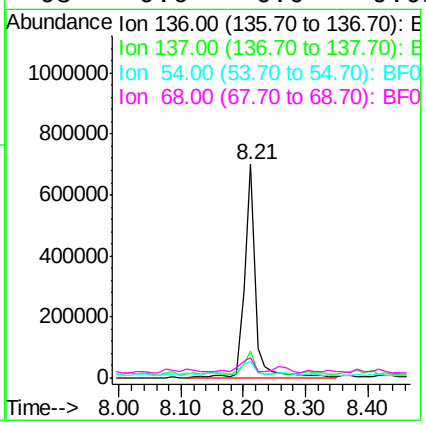
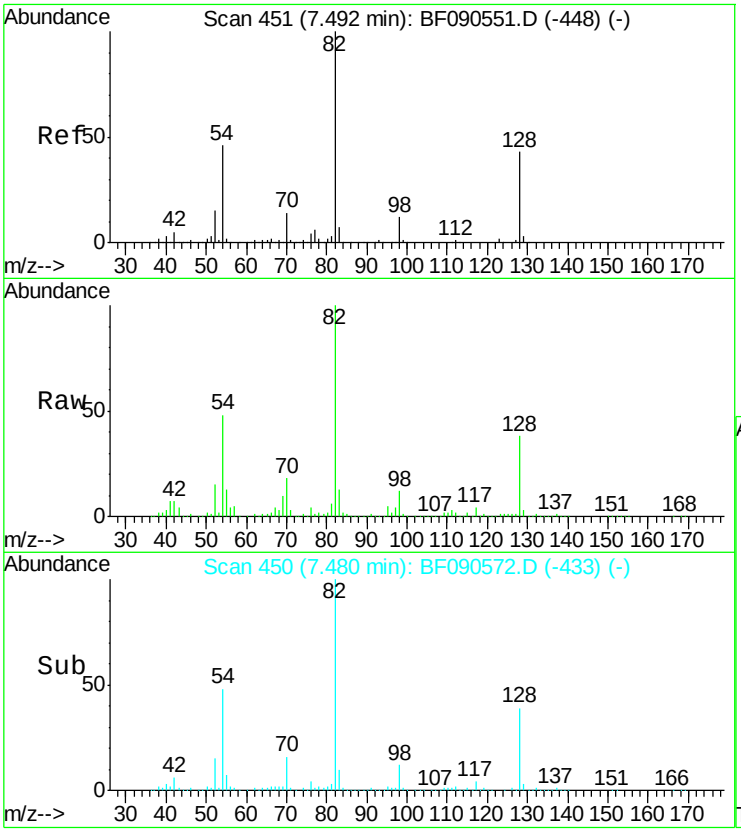


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:136 Resp: 856712

Ion	Ratio	Lower	Upper
136	100		
137	12.5	8.8	13.2
54	7.8	6.8	10.2
68	9.6	6.0	9.0#

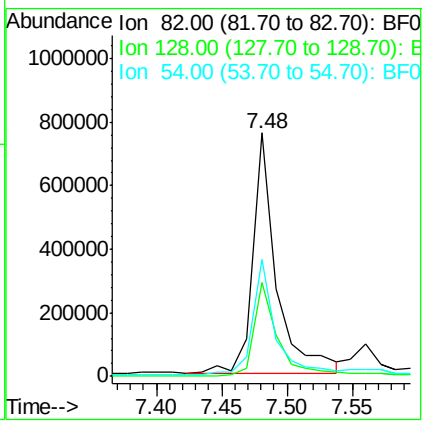




#23
Nitrobenzene-d5
Concen: 62.99 ng
RT: 7.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion: 82 Resp: 971508

Ion	Ratio	Lower	Upper
82	100		
128	38.3	34.3	51.5
54	47.9	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

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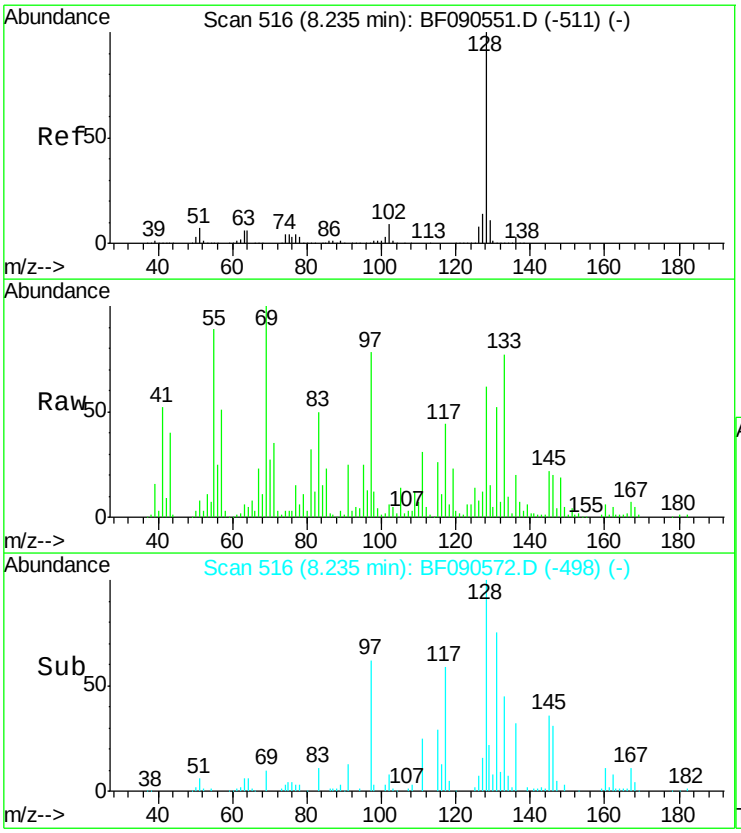
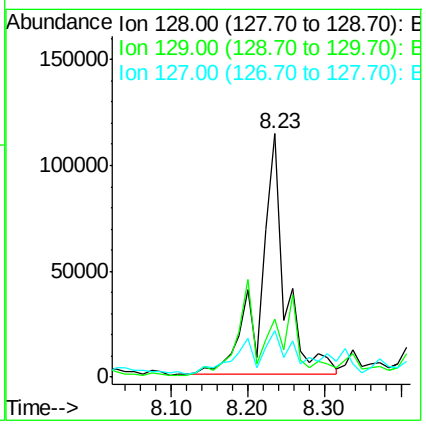
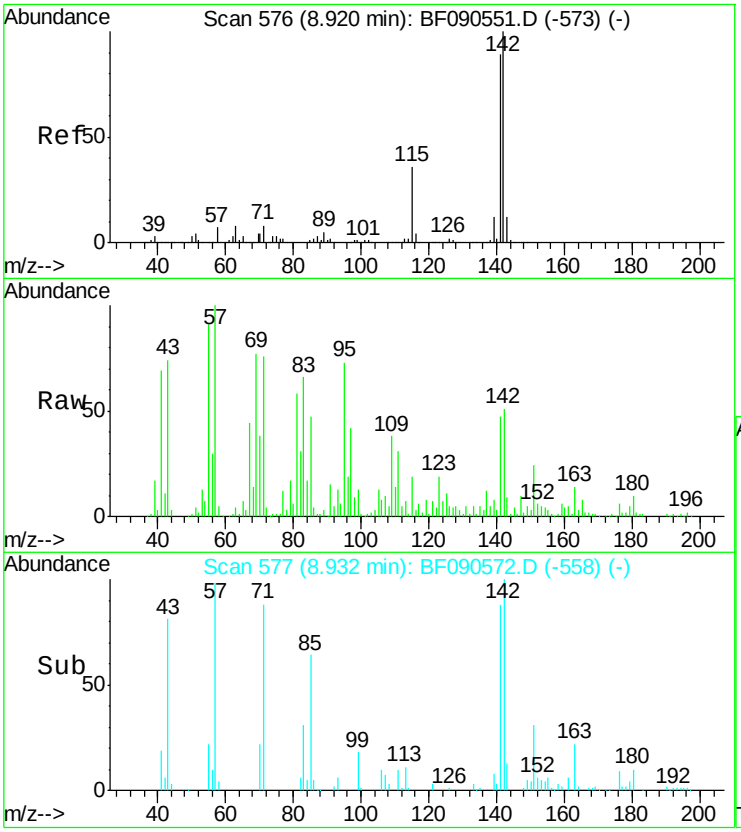


#31
Naphthalene
Concen: 5.83 ng
RT: 8.23 min Scan# 516
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:128 Resp: 254293

Ion	Ratio	Lower	Upper
128	100		
129	23.8	9.0	13.6#
127	19.2	10.8	16.2#

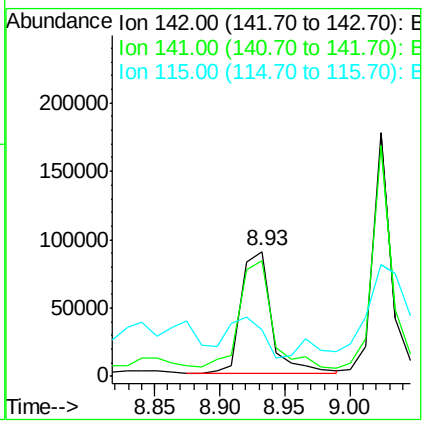




#37
2-Methylnaphthalene
Concen: 5.74 ng
RT: 8.93 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:142 Resp: 147057

Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.3	106.9
115	37.4	28.8	43.2



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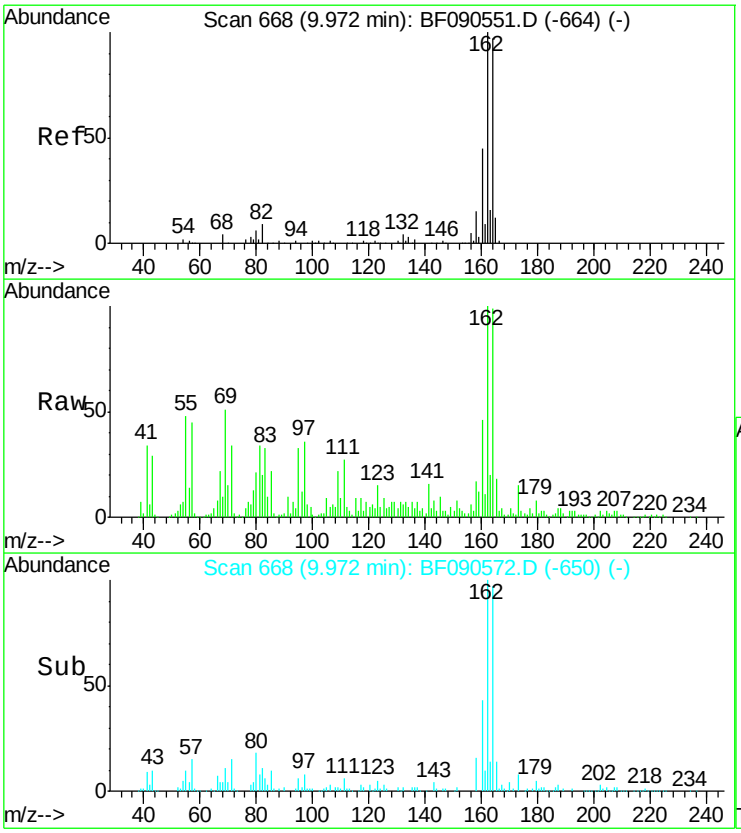
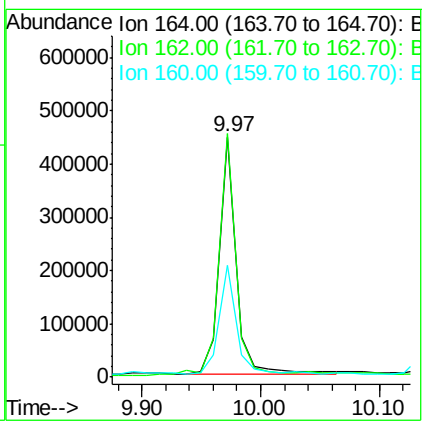
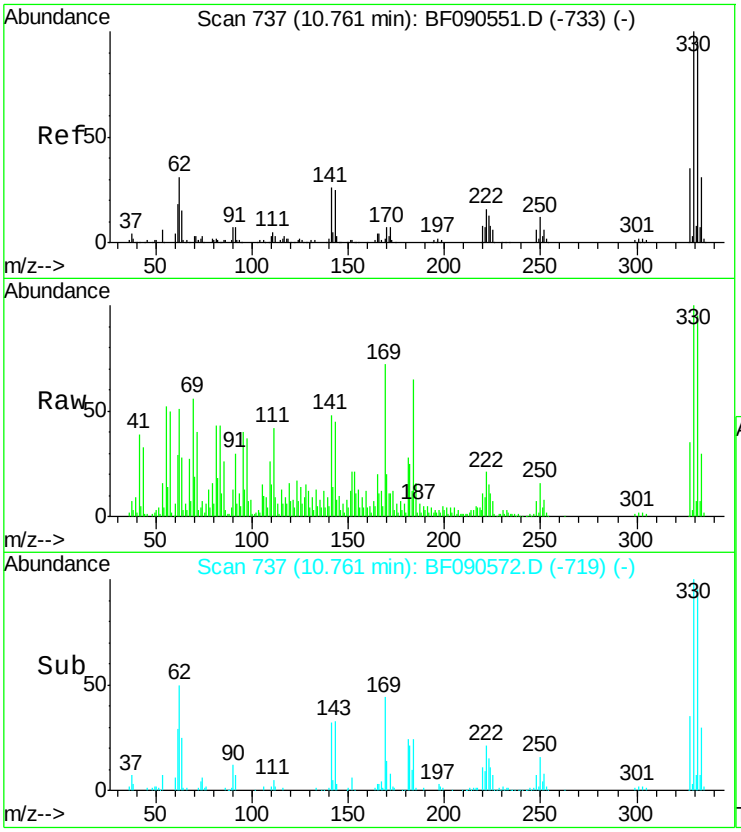


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:164 Resp: 430788

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	46.3	36.6	55.0

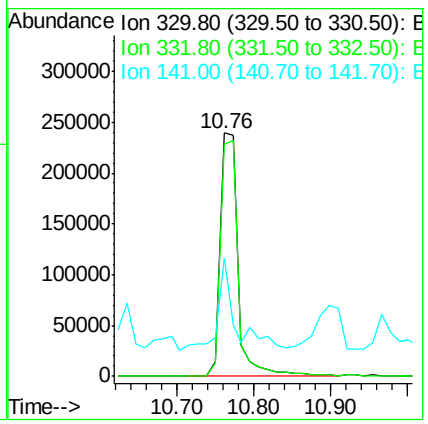




#41
2,4,6-Tribromophenol
Concen: 102.20 ng
RT: 10.76 min Scan# 737
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:330 Resp: 392526

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.2
141	21.2	31.4	47.2#



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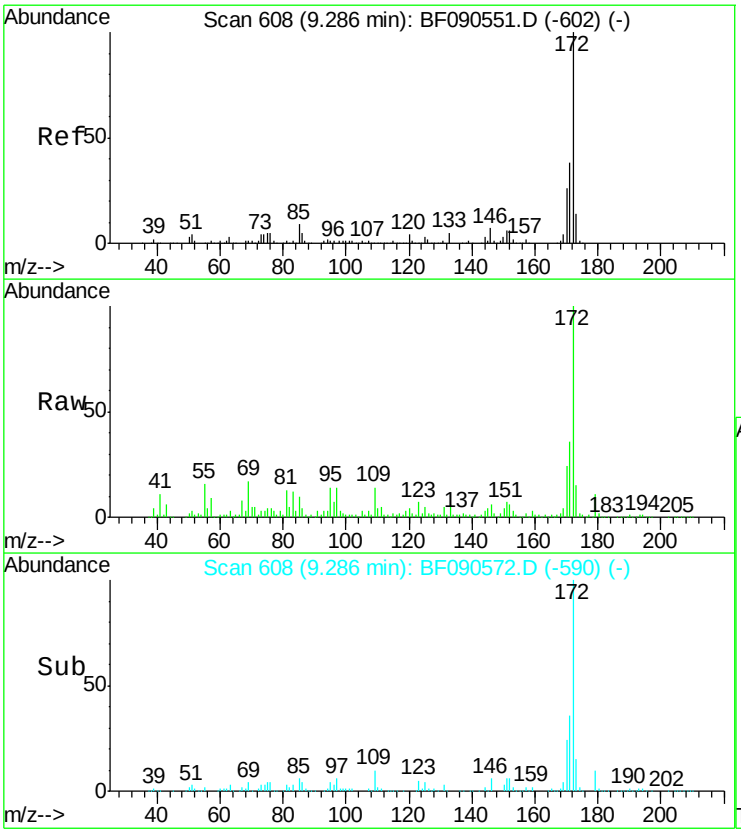
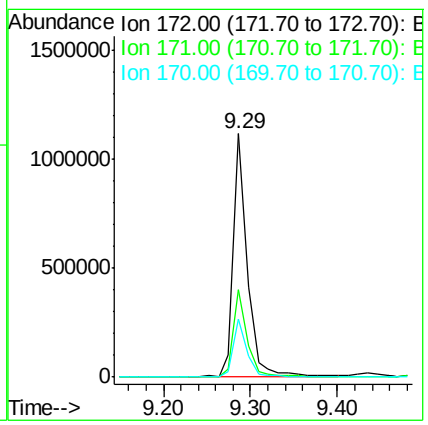
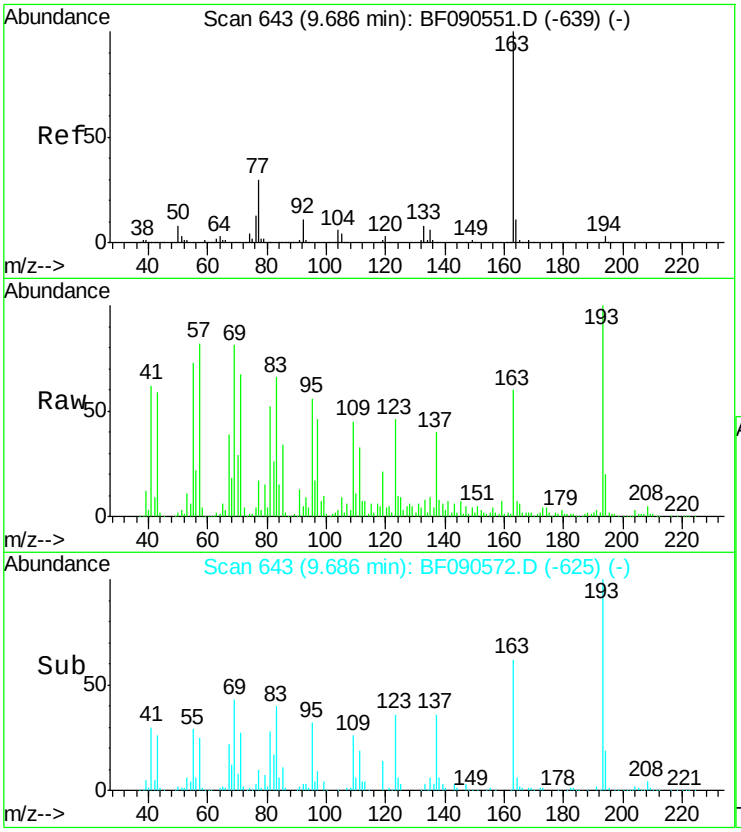


#44
2-Fluorobiphenyl
Concen: 48.31 ng
RT: 9.29 min Scan# 608
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:172 Resp: 1262962

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.1	45.1
170	23.8	20.6	30.8

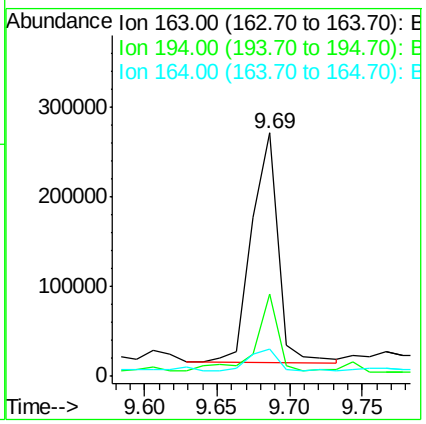




#49
Dimethylphthalate
Concen: 11.62 ng
RT: 9.69 min Scan# 643
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:163 Resp: 324726

Ion	Ratio	Lower	Upper
163	100		
194	34.0	2.3	3.5#
164	11.2	8.6	13.0



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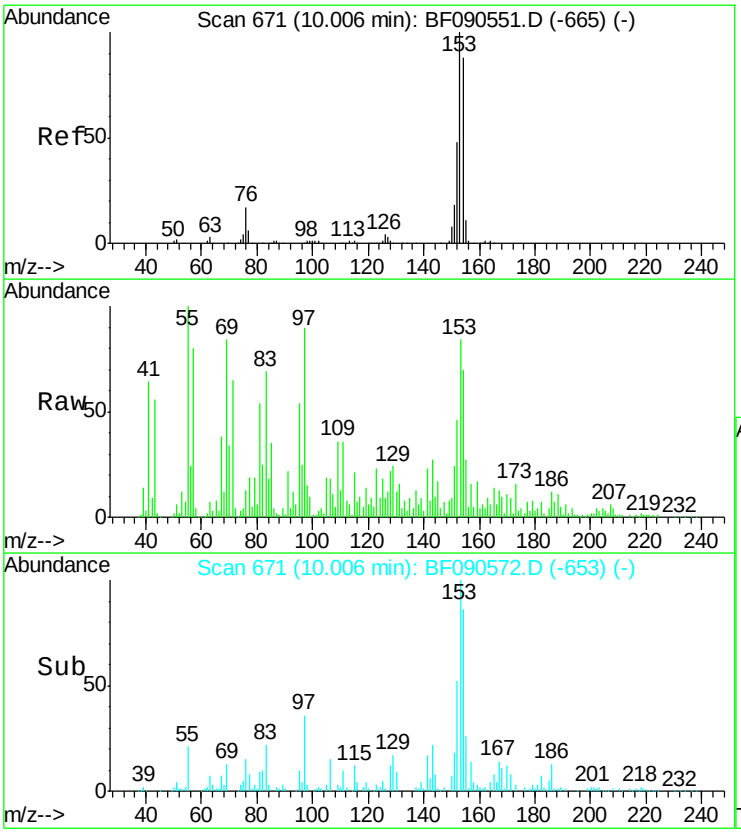
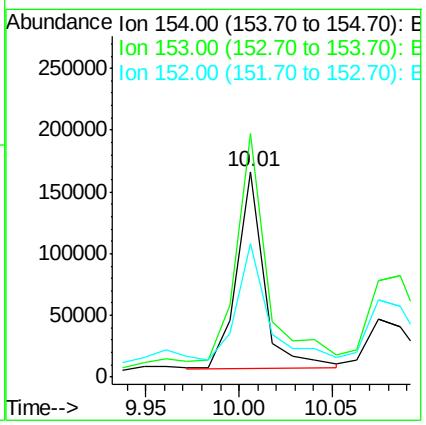
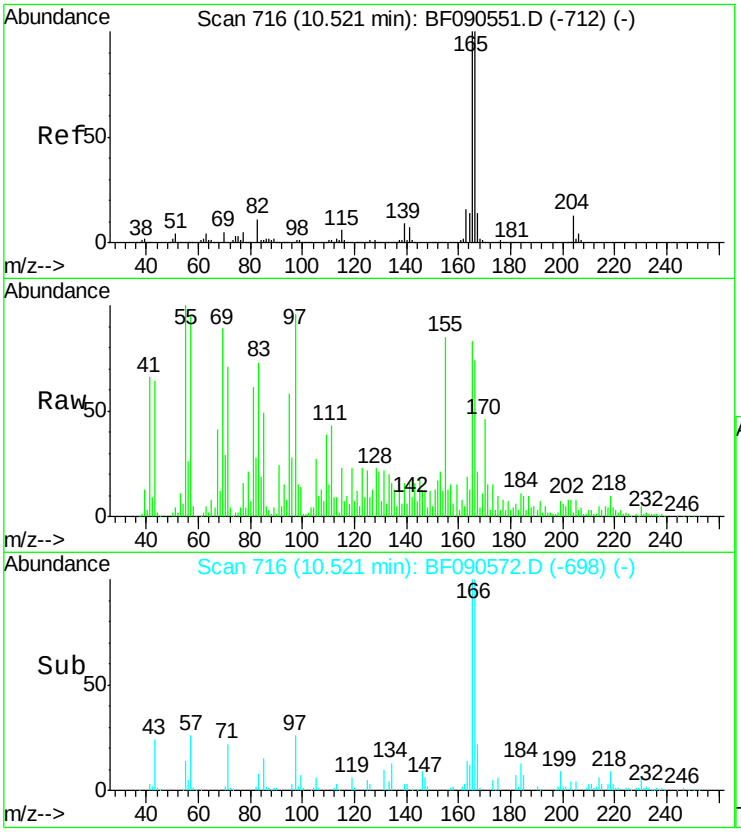


#51
Acenaphthene
Concen: 6.38 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:154 Resp: 164994

Ion	Ratio	Lower	Upper
154	100		
153	118.5	91.2	136.8
152	64.7	44.0	66.0

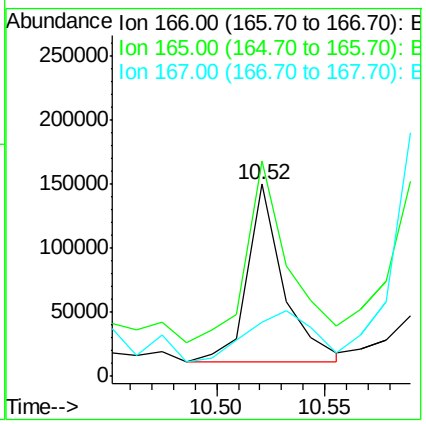




#57
Fluorene
Concen: 5.78 ng
RT: 10.52 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:166 Resp: 162316

Ion	Ratio	Lower	Upper
166	100		
165	112.0	79.9	119.9
167	28.1	10.9	16.3#



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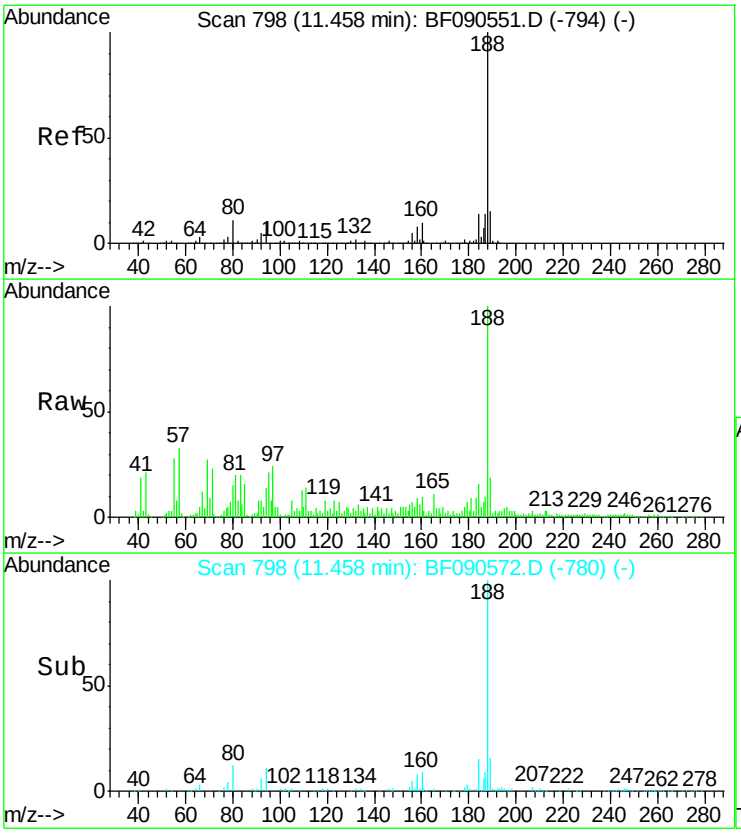
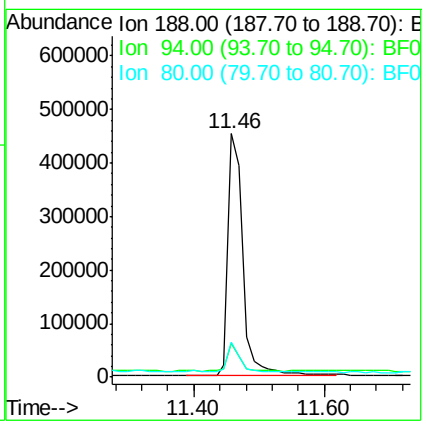
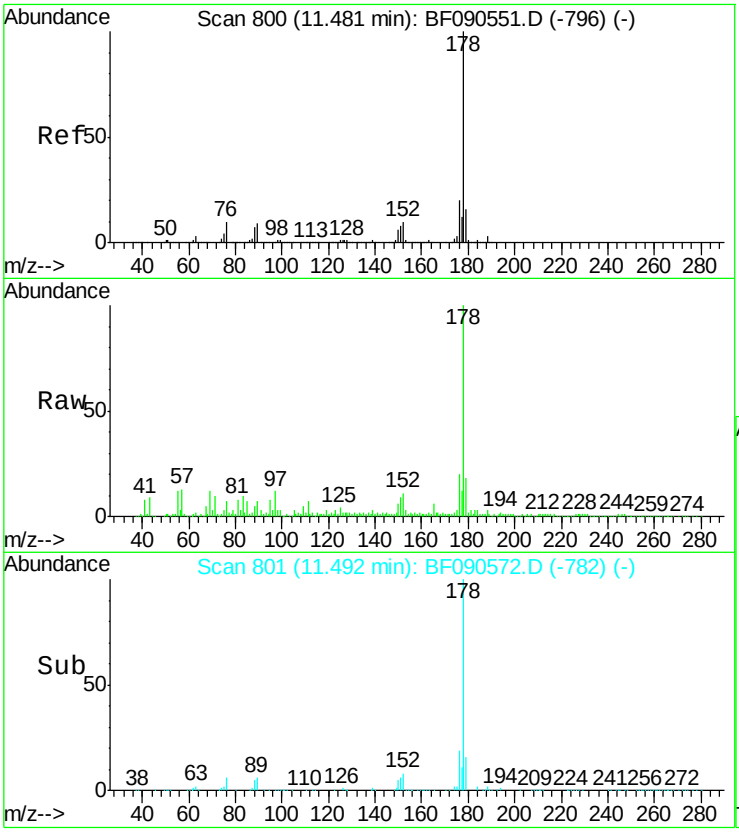


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:188 Resp: 708527

Ion	Ratio	Lower	Upper
188	100		
94	13.8	7.7	11.5#
80	14.5	8.6	12.8#

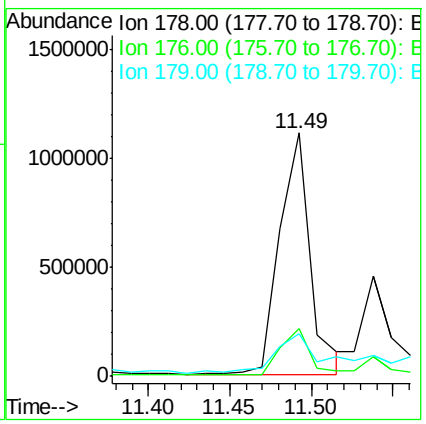




#70
Phenanthrene
Concen: 38.35 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:178 Resp: 1450352

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.1	24.1
179	17.6	12.6	19.0



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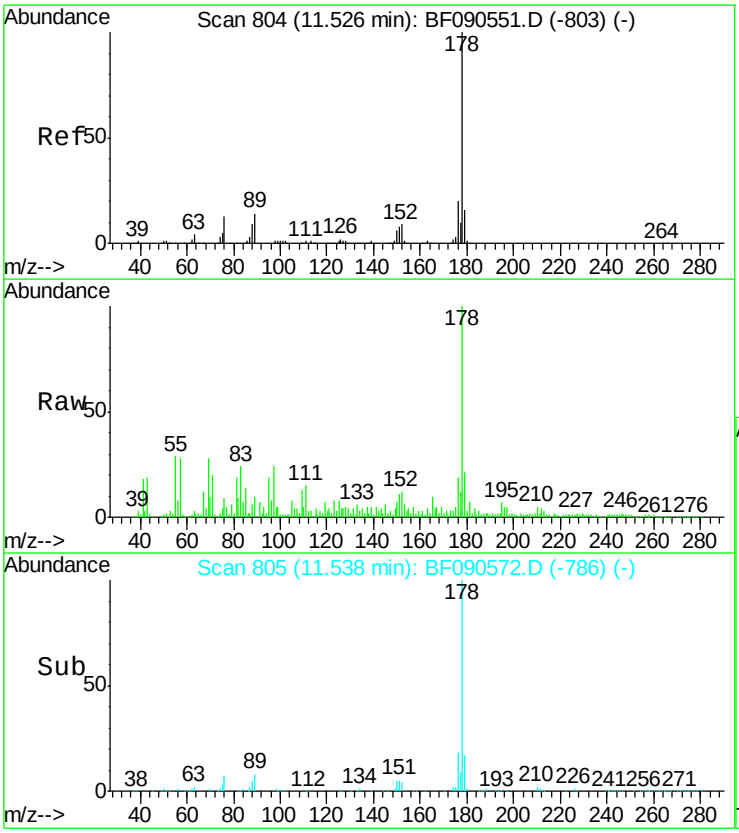
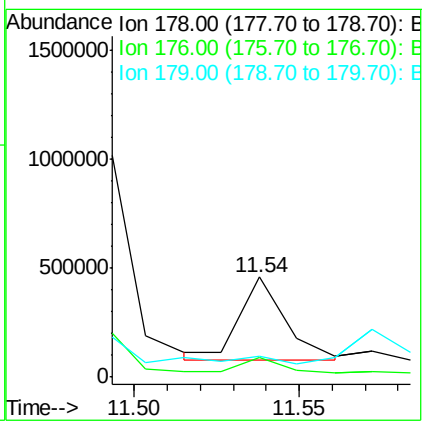
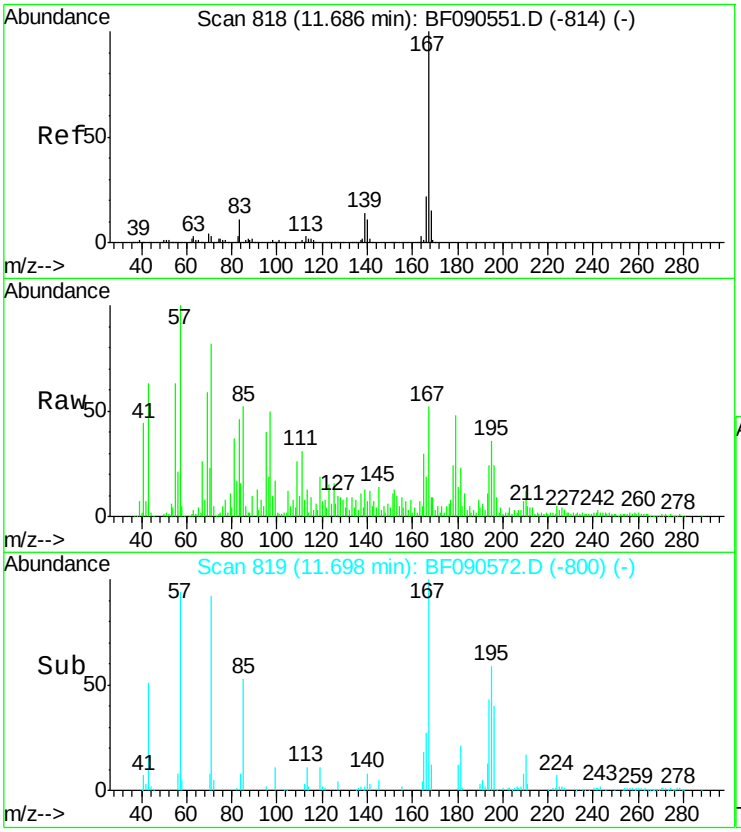


#71
Anthracene
Concen: 9.10 ng m
RT: 11.54 min Scan# 805
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:178 Resp: 370459

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	21.0	13.0	19.4#





#72
Carbazole
Concen: 4.73 ng
RT: 11.70 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:167 Resp: 172511

Ion	Ratio	Lower	Upper
167	100		
166	37.6	17.8	26.8#
139	26.0	11.3	16.9#

Instrument :
BNA_F
ClientSampleId :
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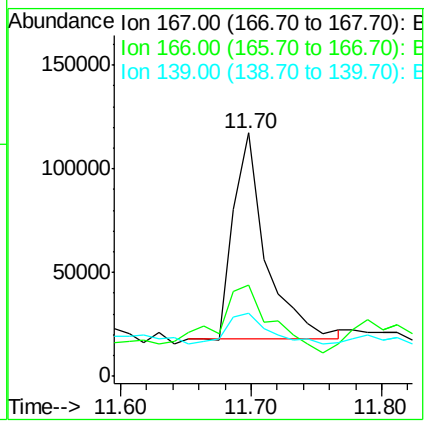
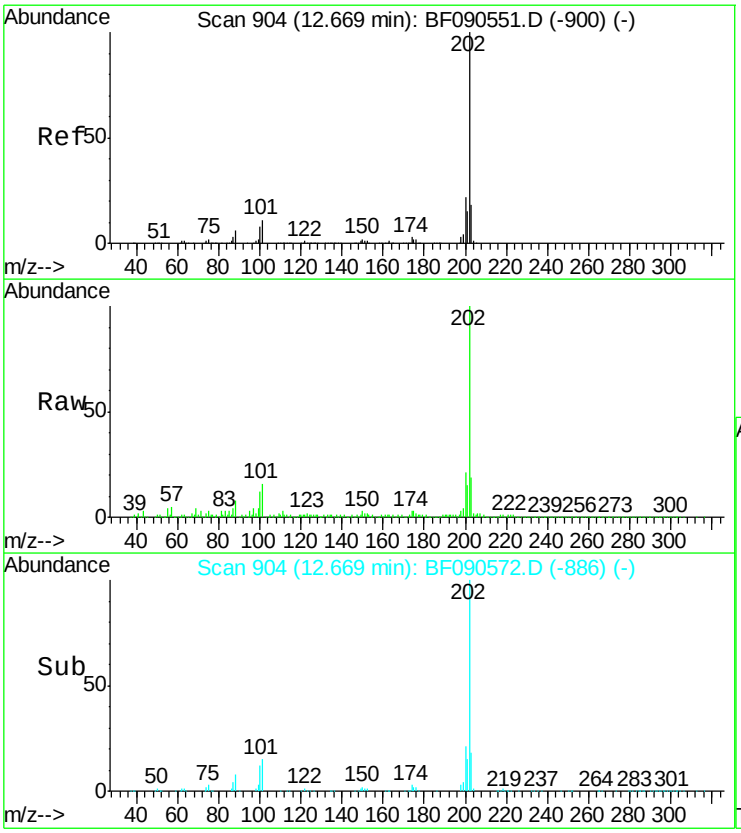
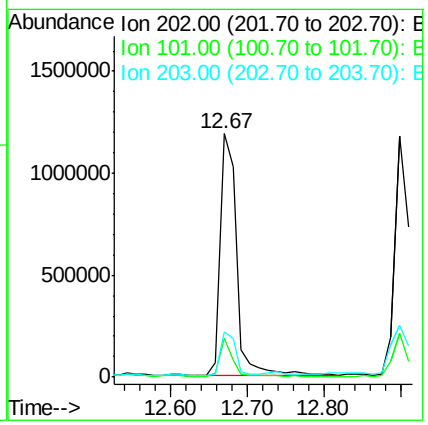


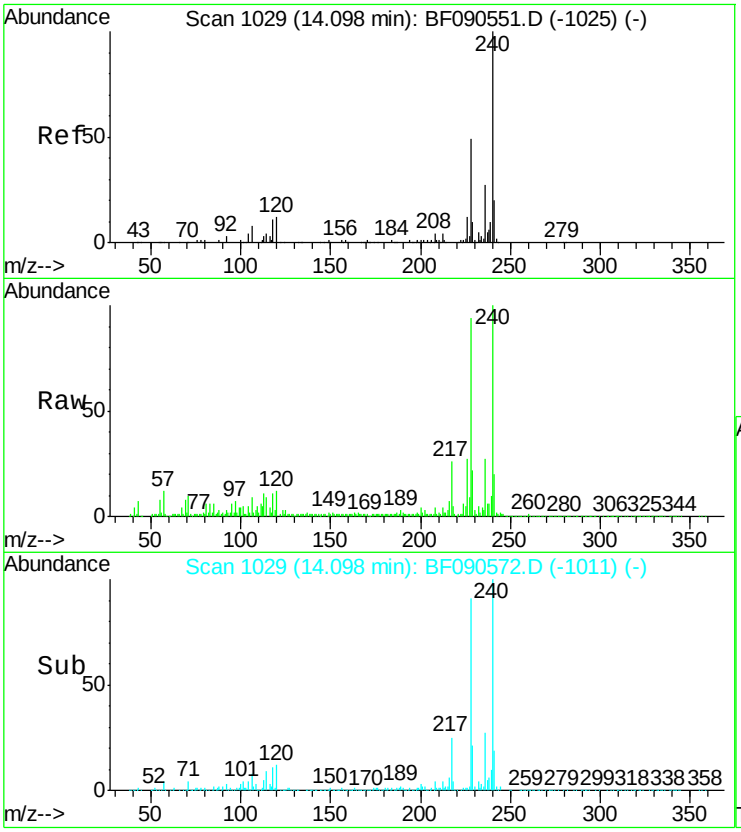


#74
Fluoranthene
Concen: 47.13 ng
RT: 12.67 min Scan# 904
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:202 Resp: 1792939

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	31.1
203	18.6	0.0	38.0

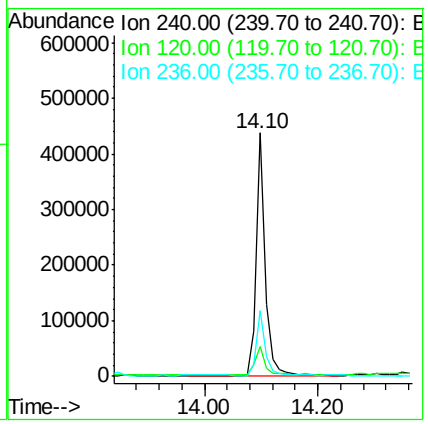




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.10 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:240 Resp: 493707

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.8	14.8
236	27.1	21.7	32.5



Instrument :
BNA_F
ClientSampleId :
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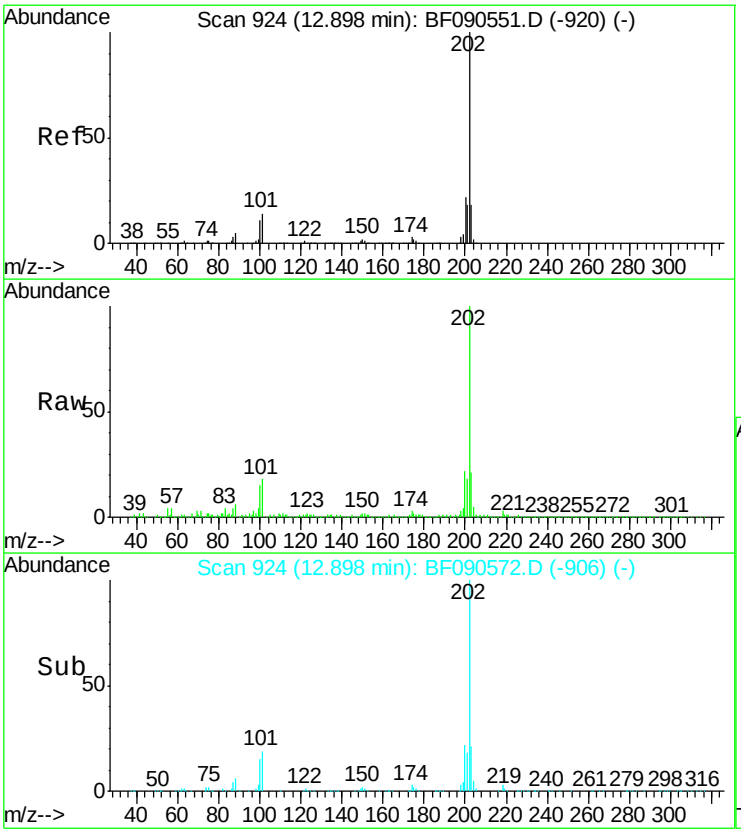
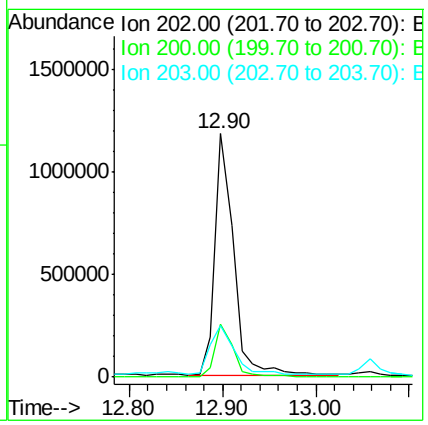
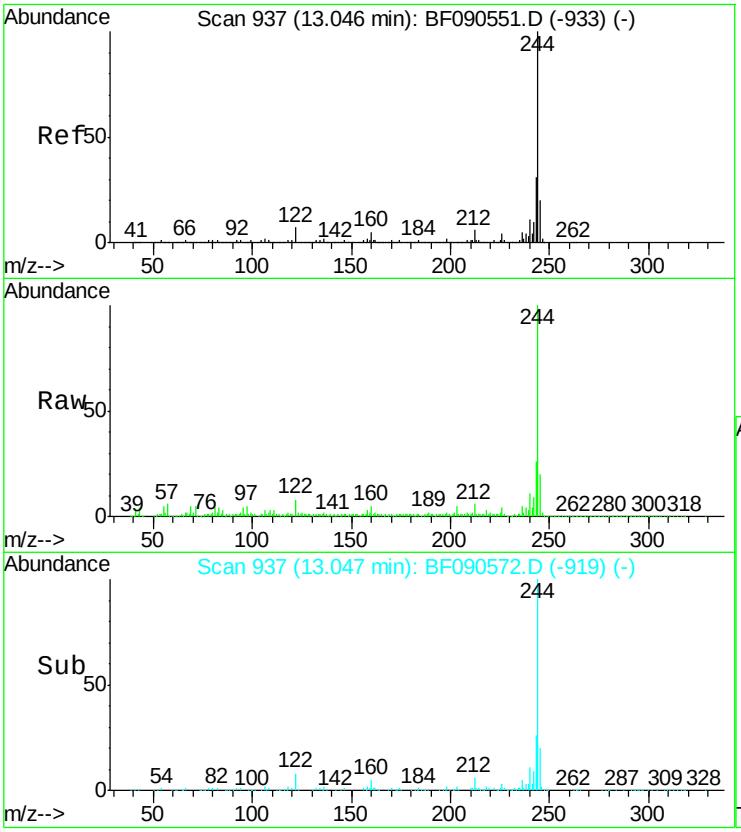


#77
Pyrene
Concen: 49.94 ng
RT: 12.90 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:202 Resp: 1632991

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.6
203	21.2	14.6	21.8

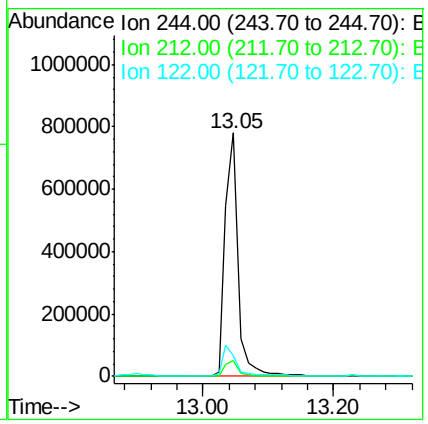




#78
Terphenyl-d14
Concen: 51.02 ng
RT: 13.05 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:244 Resp: 1081796

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.0	7.4
122	8.4	5.6	8.4#



Instrument :
BNA_F
ClientSampleId :
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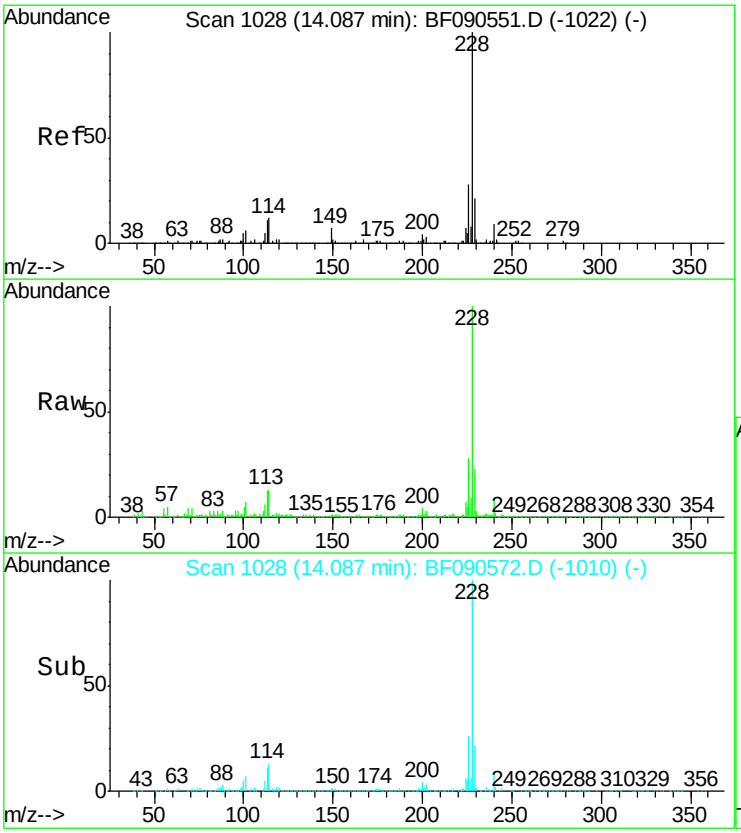
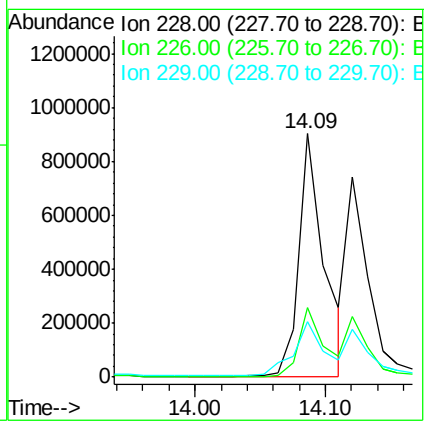
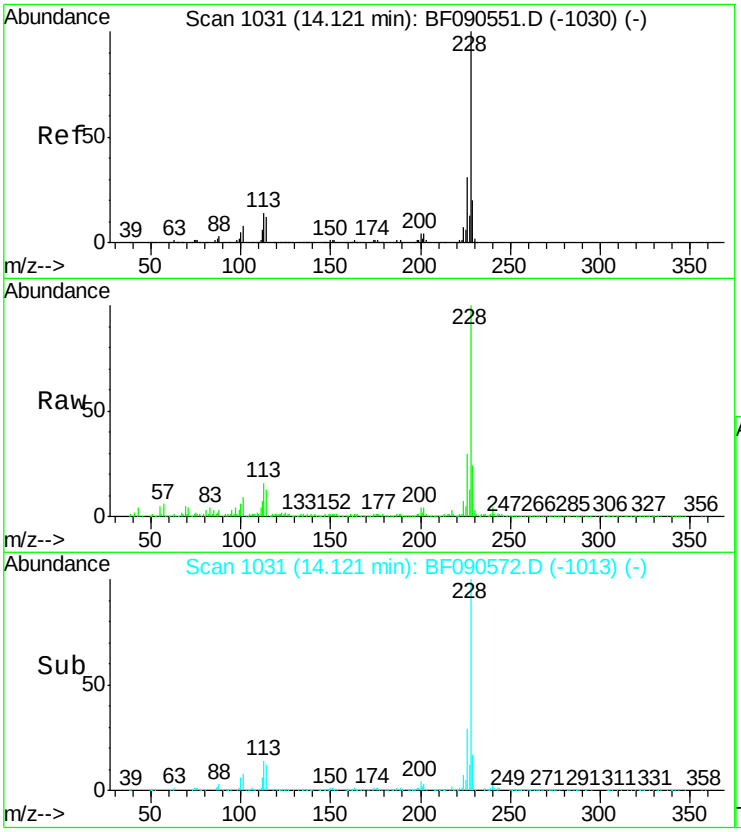


#80
Benzo(a)anthracene
Concen: 42.97 ng
RT: 14.09 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:228 Resp: 1207742

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.8	34.2
229	22.6	16.6	25.0

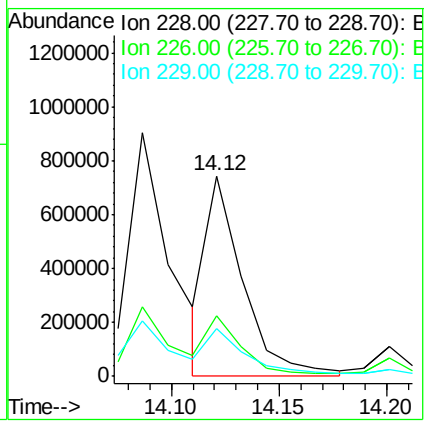




#82
Chrysene
Concen: 33.16 ng m
RT: 14.12 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:228 Resp: 897998

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	23.5	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

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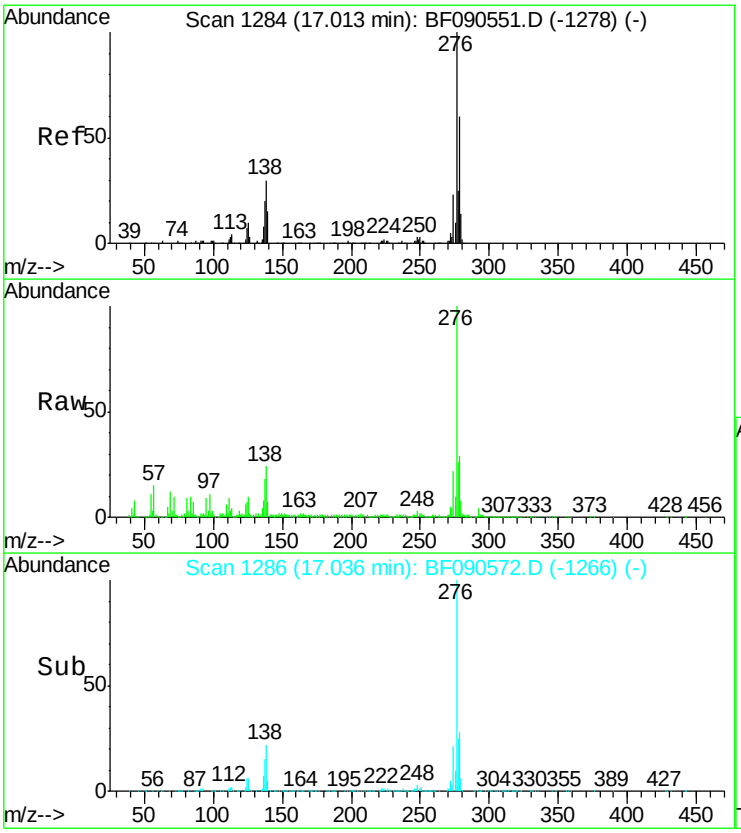
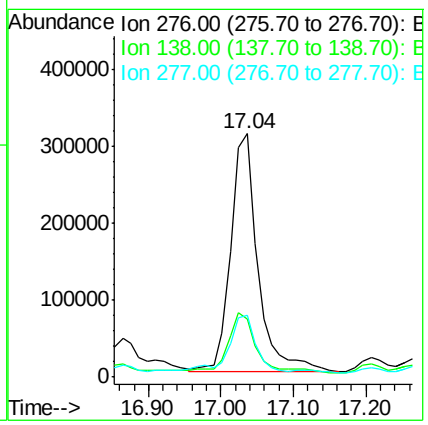
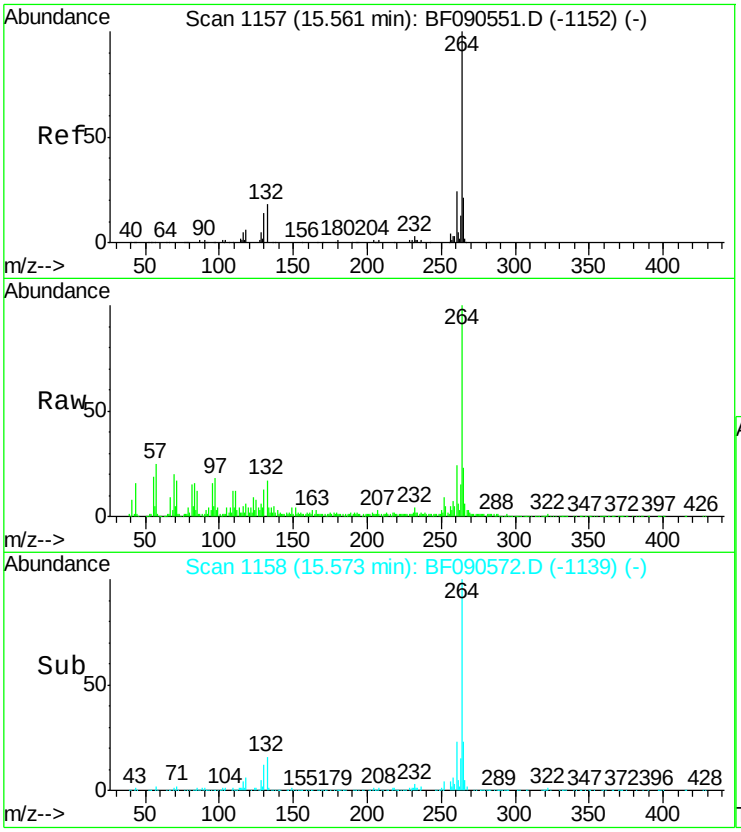


#85
Indeno(1,2,3-cd)pyrene
Concen: 51.43 ng
RT: 17.04 min Scan# 1286
Delta R.T. 0.02 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:276 Resp: 805347

Ion	Ratio	Lower	Upper
276	100		
138	27.2	25.8	38.6
277	23.9	20.1	30.1

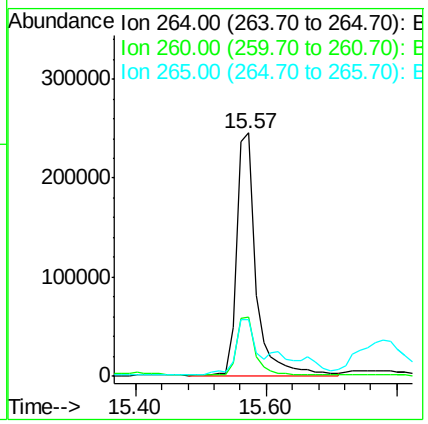




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:264 Resp: 493022

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	23.2	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
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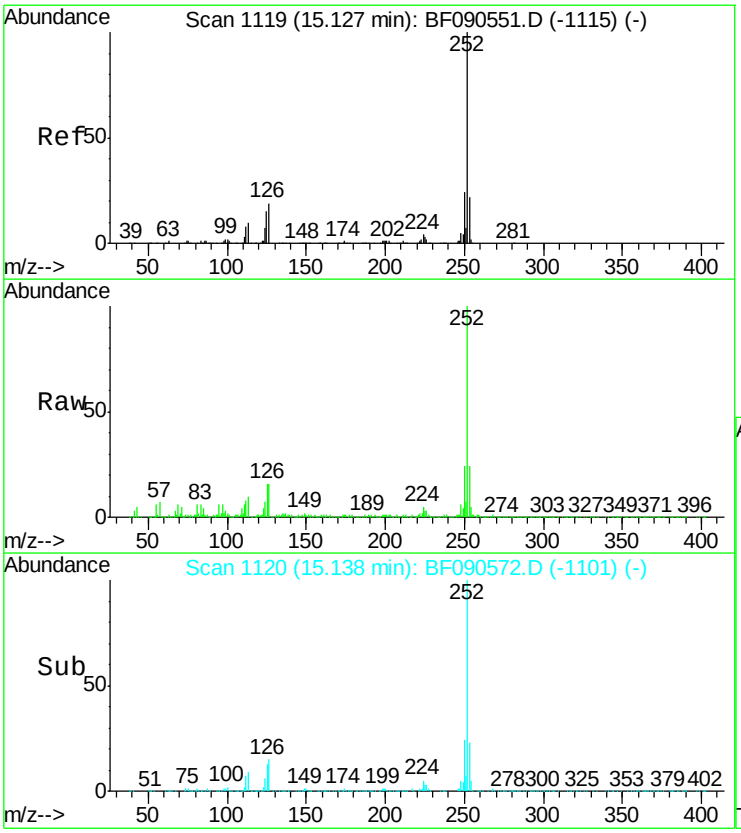
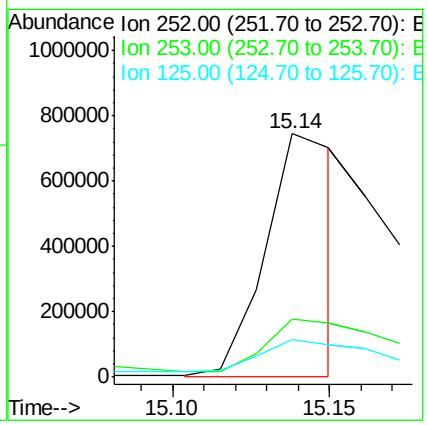
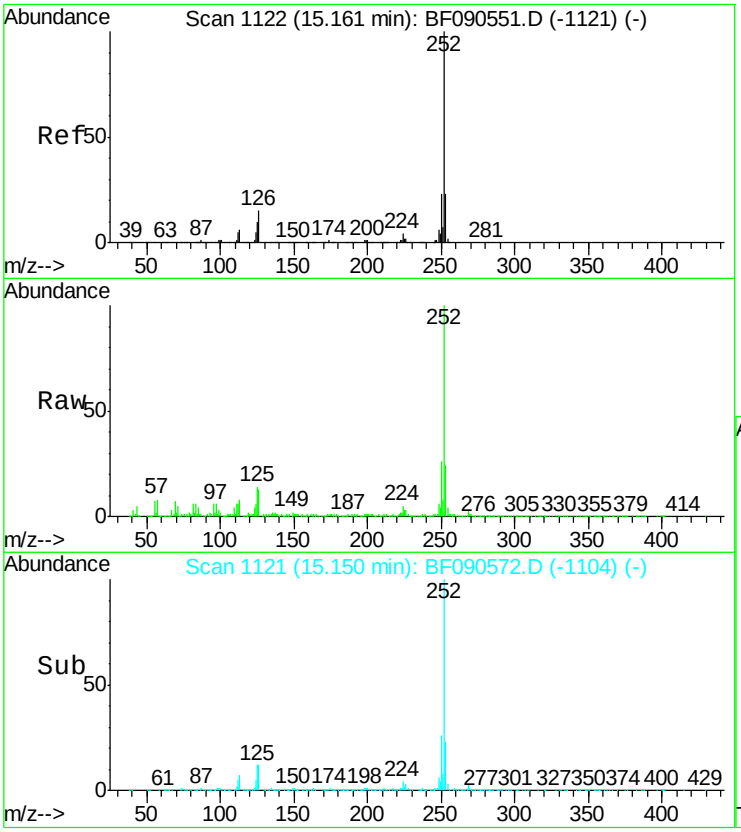


#87
Benzo(b)fluoranthene
Concen: 37.09 ng m
RT: 15.14 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:252 Resp: 1196540

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.6	12.0	18.0

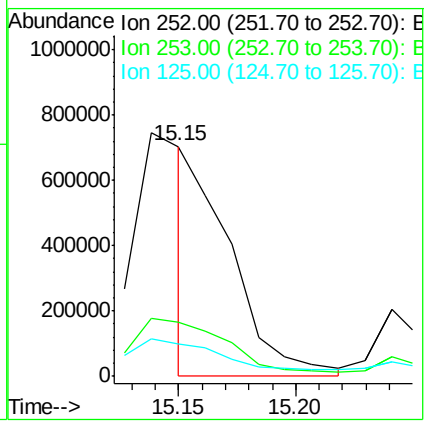




#88
Benzo(k)fluoranthene
Concen: 23.73 ng m
RT: 15.15 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:252 Resp: 823746

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	14.1	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

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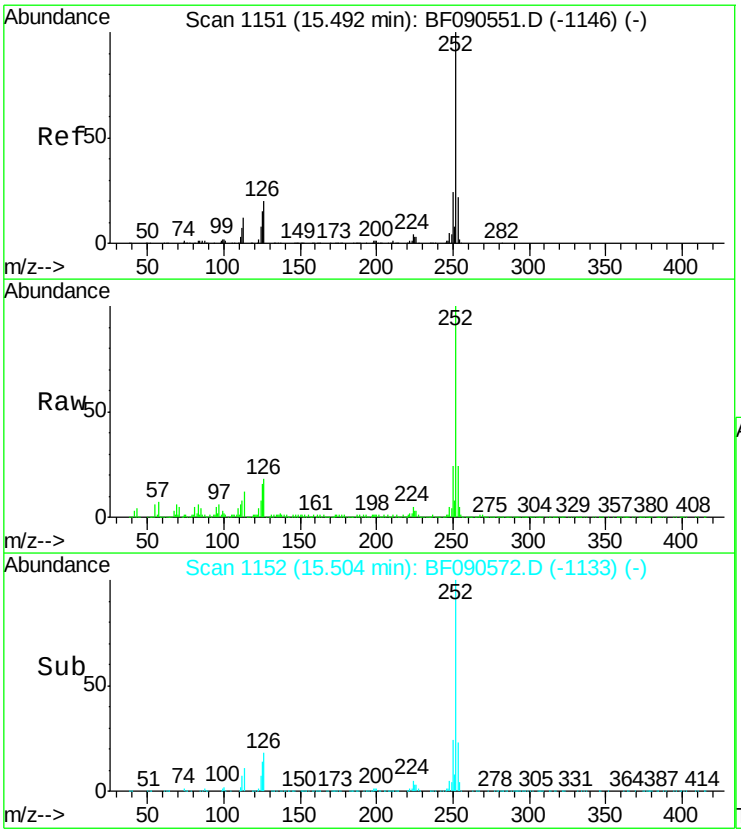
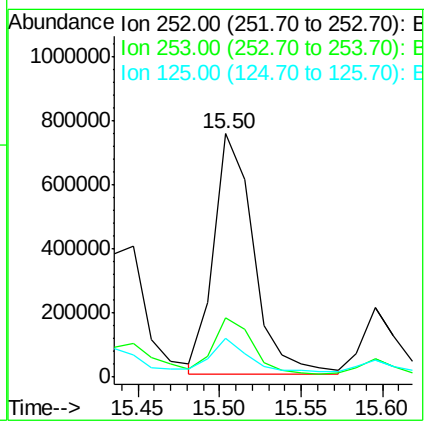
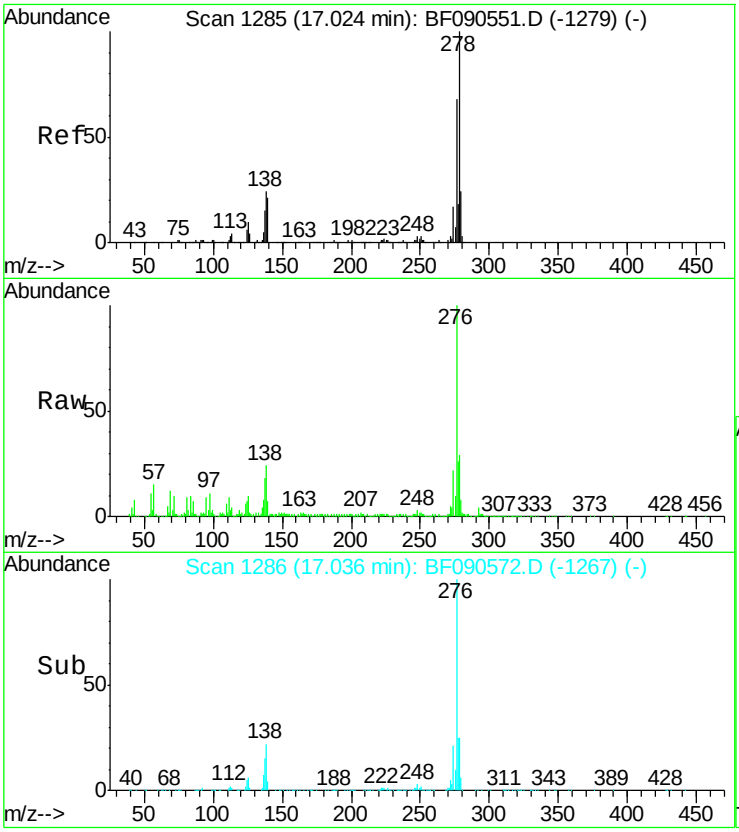


#89
Benzo(a)pyrene
Concen: 42.83 ng
RT: 15.50 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:252 Resp: 1264973

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	16.0	12.3	18.5

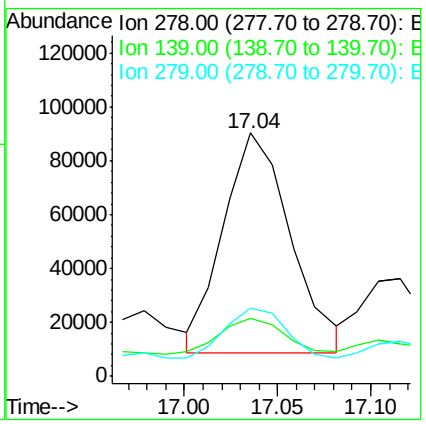




#90
Dibenzo(a,h)anthracene
Concen: 9.07 ng
RT: 17.04 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:278 Resp: 204404

Ion	Ratio	Lower	Upper
278	100		
139	23.9	16.6	25.0
279	27.9	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Manual Integrations APPROVED
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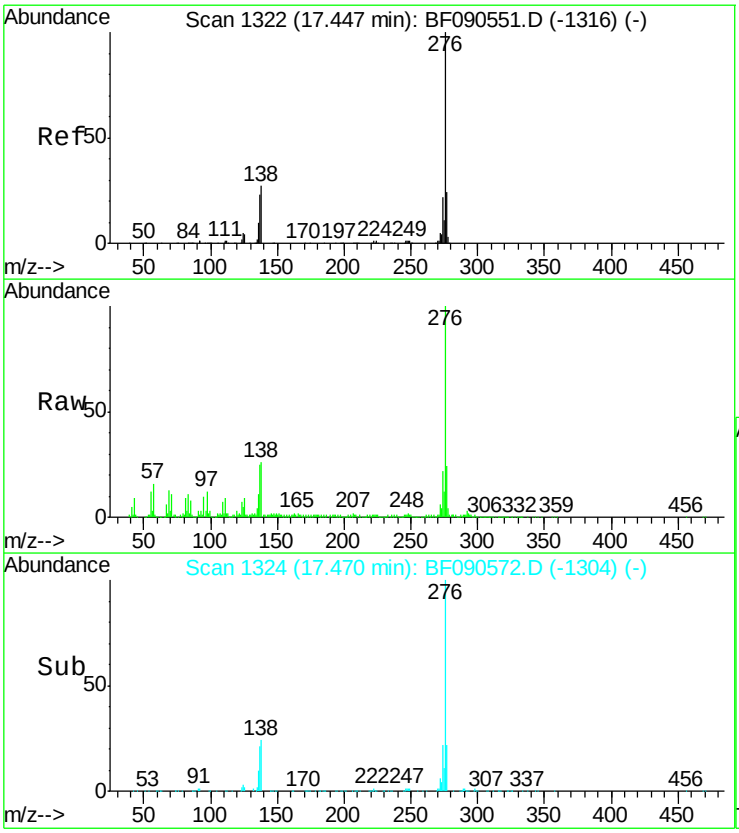

#91
Benzo(g,h,i)perylene
Concen: 30.68 ng
RT: 17.47 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF090572.D
Acq: 14 Oct 2016 16:33

Tgt Ion:276 Resp: 659013

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	26.2	21.8	32.8