Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090972.D
Acq On : 2 Nov 2016 1:00
Operator : UM/SJ
Sample : H5502-23
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-90-0.0-1.0

Manual Integrations APPROVED
Umangi
11/2/2016 5:42:44 PM

Quant Time: Nov 02 02:31:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	177993	20.00	ng		-0.01
21) Naphthalene-d8	8.03	136	690649	20.00	ng		-0.01
38) Acenaphthene-d10	9.78	164	333187	20.00	ng		-0.01
63) Phenanthrene-d10	11.28	188	463547	20.00	ng		0.01
75) Chrysene-d12	13.93	240	272097	20.00	ng		0.02
86) Perylene-d12	15.33	264	382350	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	1055208	103.65	ng		0.00
7) Phenol-d6	6.38	99	1577044	114.82	ng		-0.01
23) Nitrobenzene-d5	7.31	82	1056646	100.16	ng		-0.01
41) 2,4,6-Tribromophenol	10.58	330	262926	76.79	ng		0.00
44) 2-Fluorobiphenyl	9.10	172	1379963	72.73	ng		-0.01
78) Terphenyl-d14	12.85	244	1163305	107.71	ng		0.00
Target Compounds							Qvalue
6) Aniline	6.43	93	135081	8.61	ng	#	58
10) Phenol	6.40	94	87500	5.78	ng	#	1
22) Acetophenone	7.15	105	47224	3.32	ng	#	82
31) Naphthalene	8.05	128	478050	14.81	ng		99
37) 2-Methylnaphthalene	8.74	142	169843	8.15	ng	#	89
45) 1,1'-Biphenyl	9.21	154	98224	4.09	ng		96
48) Acenaphthylene	9.64	152	261337	9.45	ng		96
49) Dimethylphthalate	9.50	163	463001	20.80	ng	#	97
51) Acenaphthene	9.81	154	649316	34.11	ng		88
54) Dibenzofuran	9.98	168	791580	32.22	ng	#	84
57) Fluorene	10.33	166	822862	40.89	ng	#	92
70) Phenanthrene	11.31	178	4564691m	193.37	ng		
71) Anthracene	11.36	178	1851754	74.50	ng		95
72) Carbazole	11.50	167	874775	39.85	ng	#	92
74) Fluoranthene	12.50	202	6377044	246.69	ng		90
77) Pyrene	12.74	202	5268267	305.95	ng	#	90
80) Benzo(a)anthracene	13.92	228	4469308	309.50	ng	#	87
82) Chrysene	13.96	228	2598743m	177.92	ng		
83) Bis(2-ethylhexyl)phthalate	13.91	149	107089	10.53	ng	#	96
85) Indeno(1,2,3-cd)pyrene	16.71	276	1931638	149.23	ng	#	86
87) Benzo(b)fluoranthene	14.95	252	4752128m	184.84	ng		
88) Benzo(k)fluoranthene	14.97	252	1075481m	52.93	ng		
89) Benzo(a)pyrene	15.29	252	2996214	135.63	ng	#	84
90) Dibenzo(a,h)anthracene	16.71	278	592285	31.67	ng	#	80
91) Benzo(g,h,i)perylene	17.12	276	1590925	90.32	ng	#	77

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

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Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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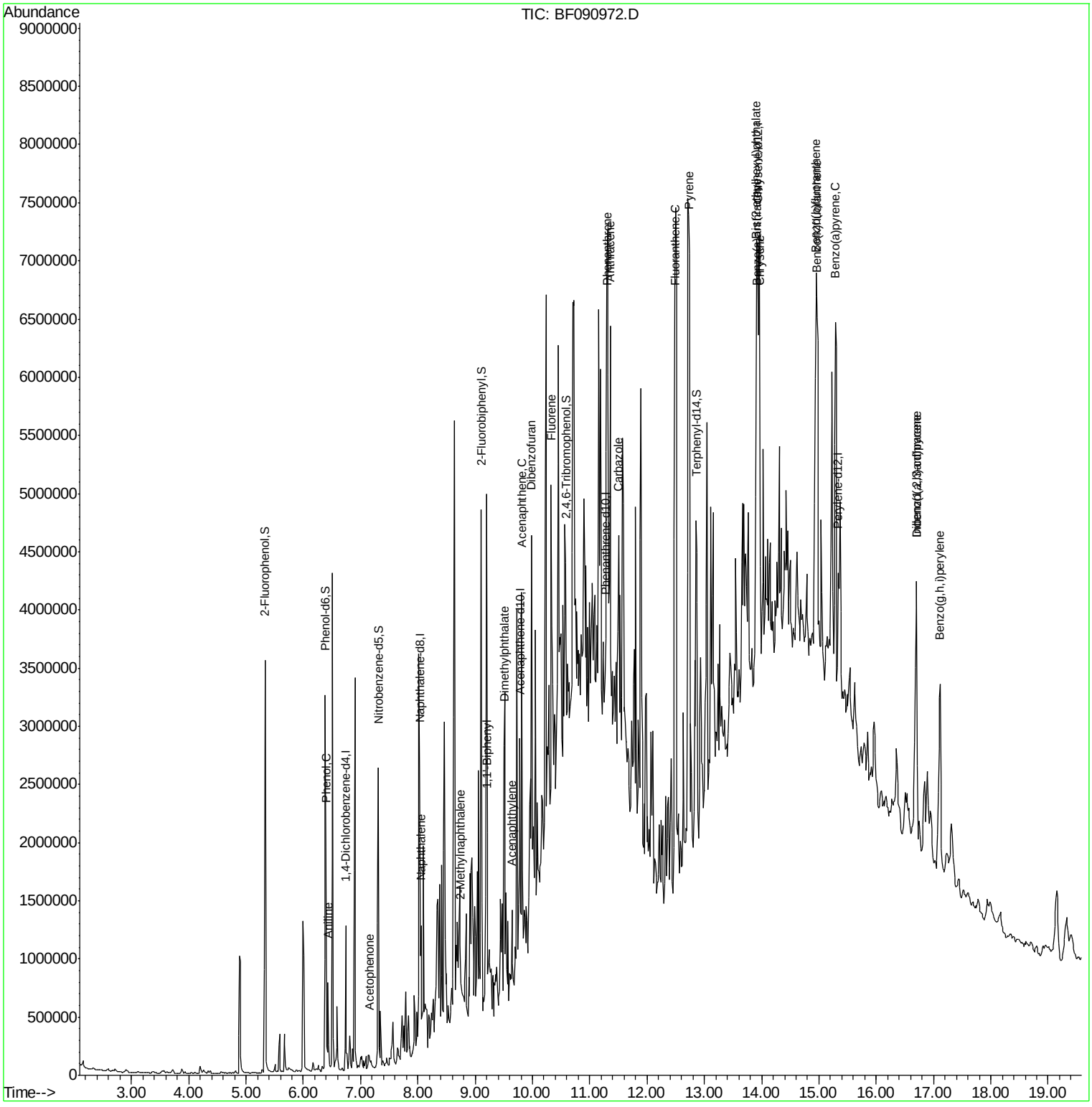
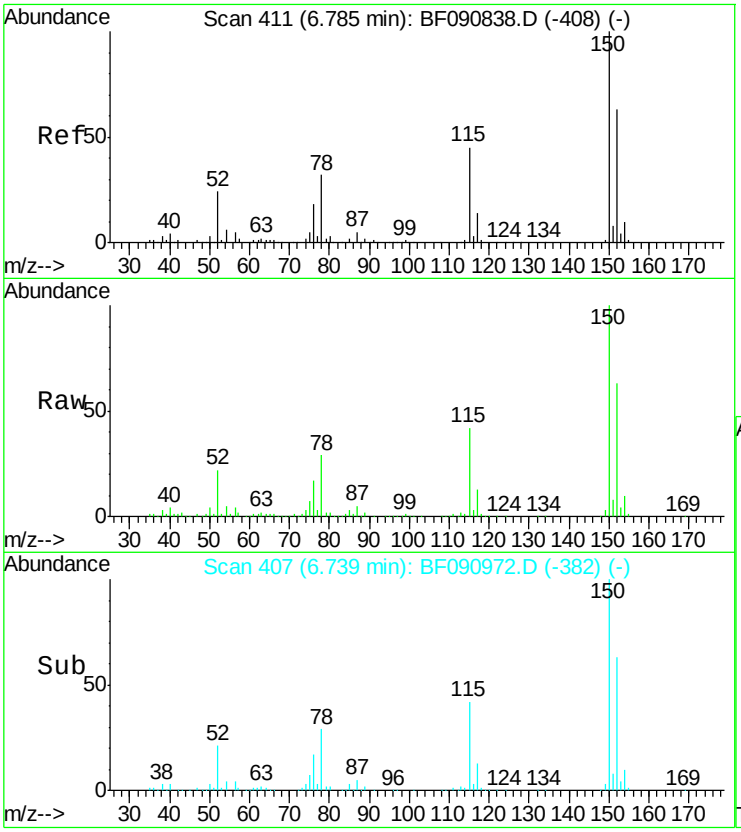
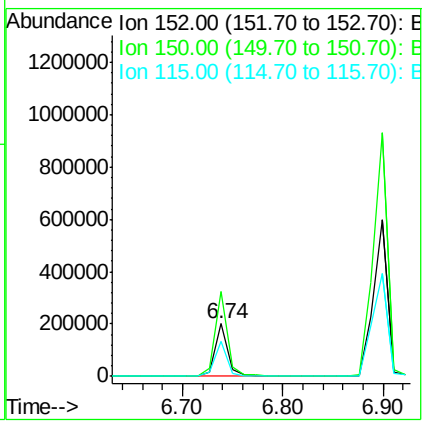




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:152 Resp: 177993

Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.7	187.1
115	66.6	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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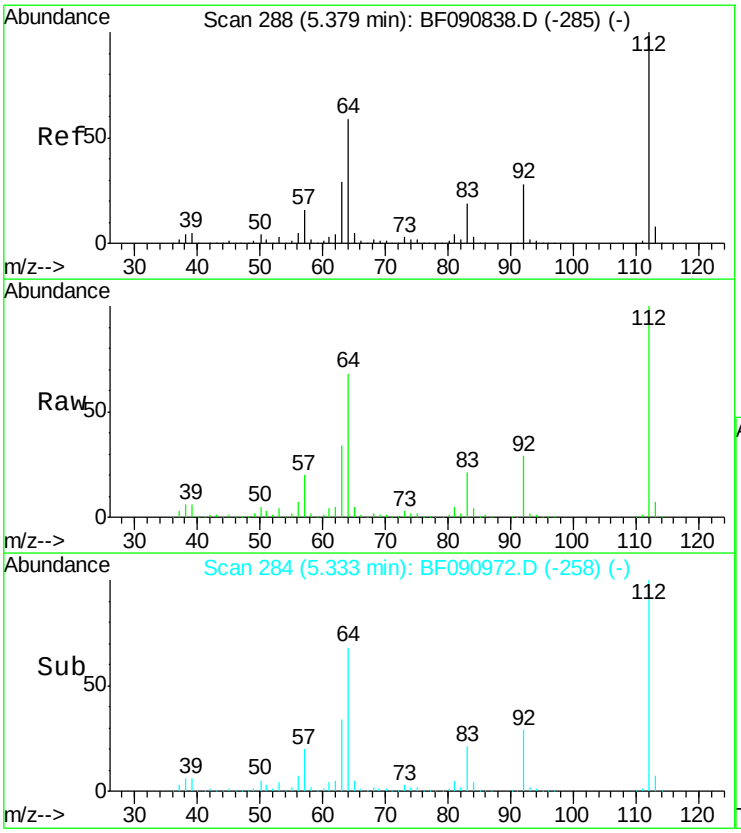
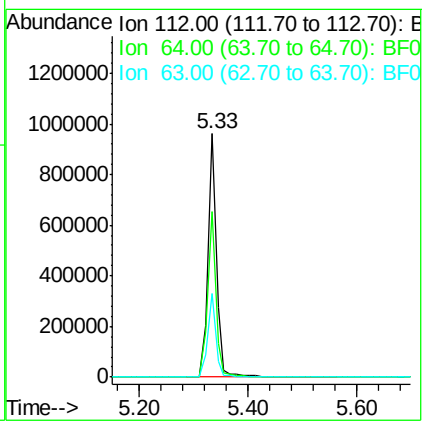
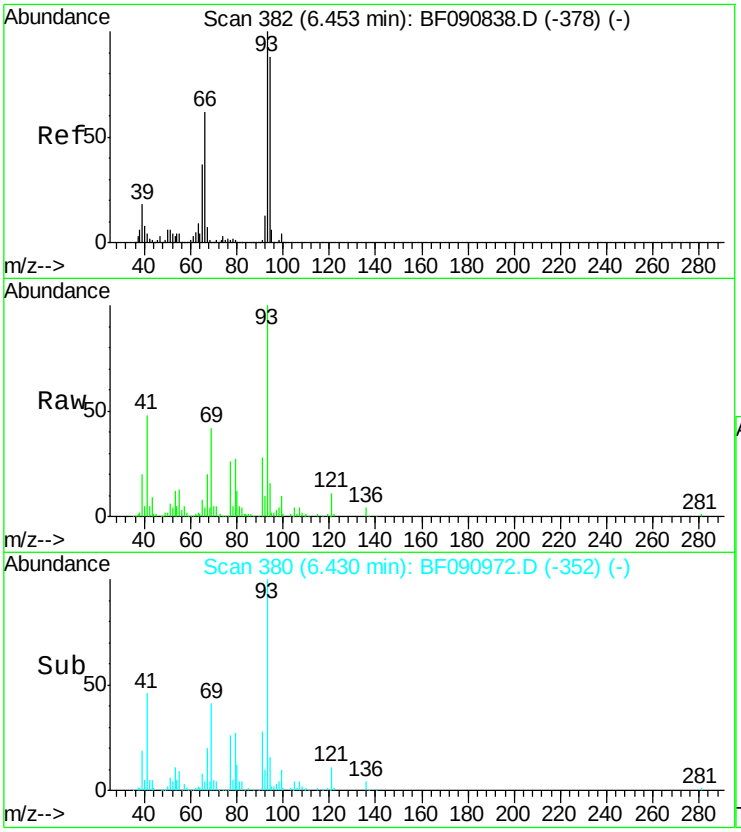


#5
2-Fluorophenol
Concen: 103.65 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:112 Resp: 1055208

Ion	Ratio	Lower	Upper
112	100		
64	67.8	39.7	59.5#
63	34.2	17.4	26.0#

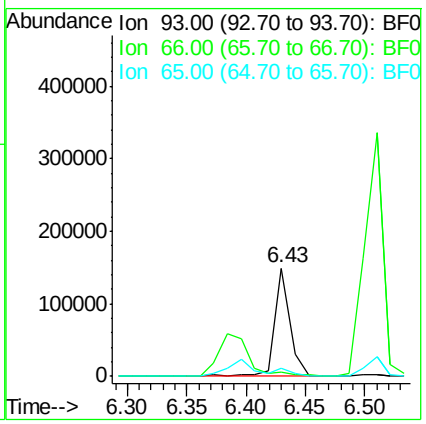




#6
Aniline
Concen: 8.61 ng
RT: 6.43 min Scan# 380
Delta R.T. 0.02 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion: 93 Resp: 135081

Ion	Ratio	Lower	Upper
93	100		
66	4.1	27.2	40.8#
65	8.0	14.7	22.1#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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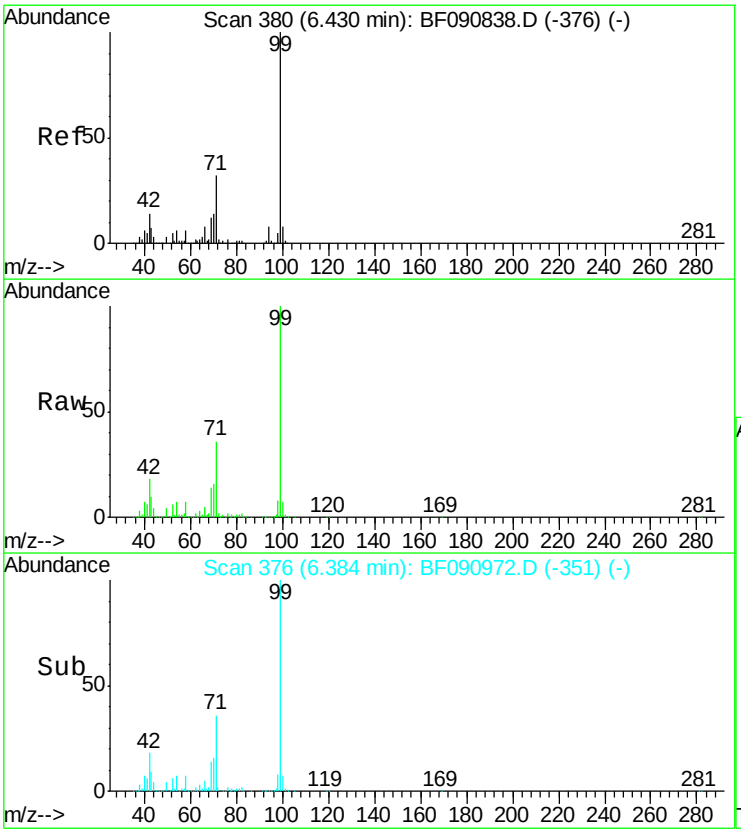
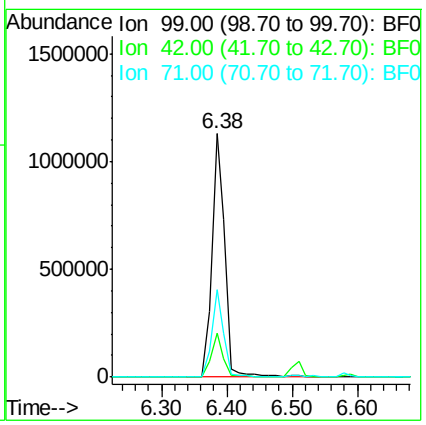
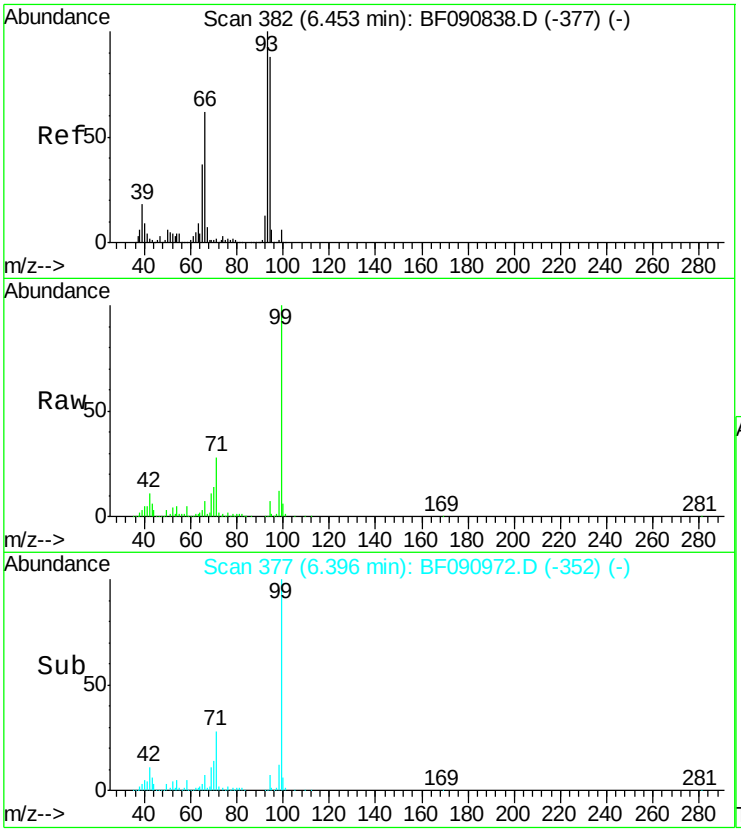


#7
Phenol-d6
Concen: 114.82 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion: 99 Resp: 1577044

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	35.9	14.2	21.2#

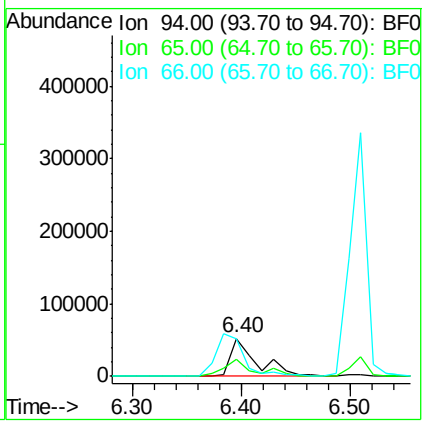




#10
Phenol
Concen: 5.78 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion: 94 Resp: 87500

Ion	Ratio	Lower	Upper
94	100		
65	46.1	0.7	40.7#
66	99.4	0.8	40.8#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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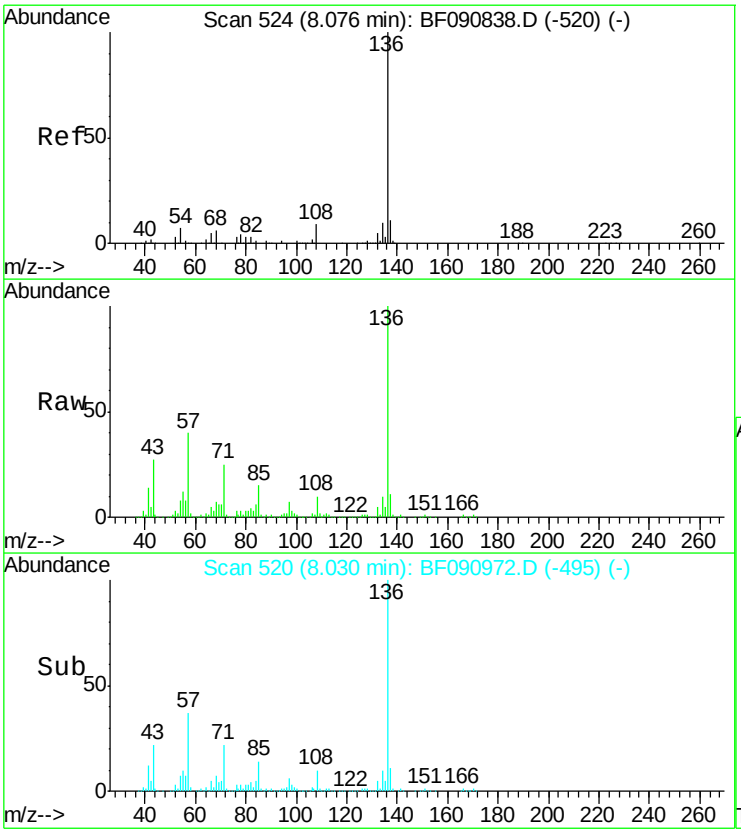
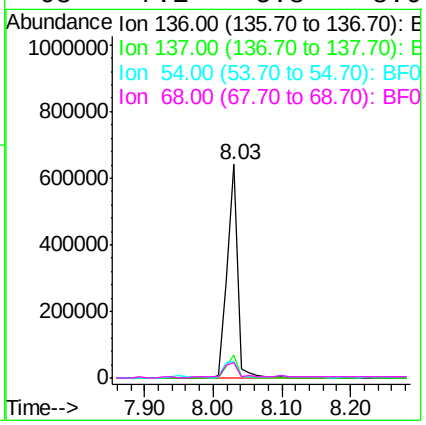
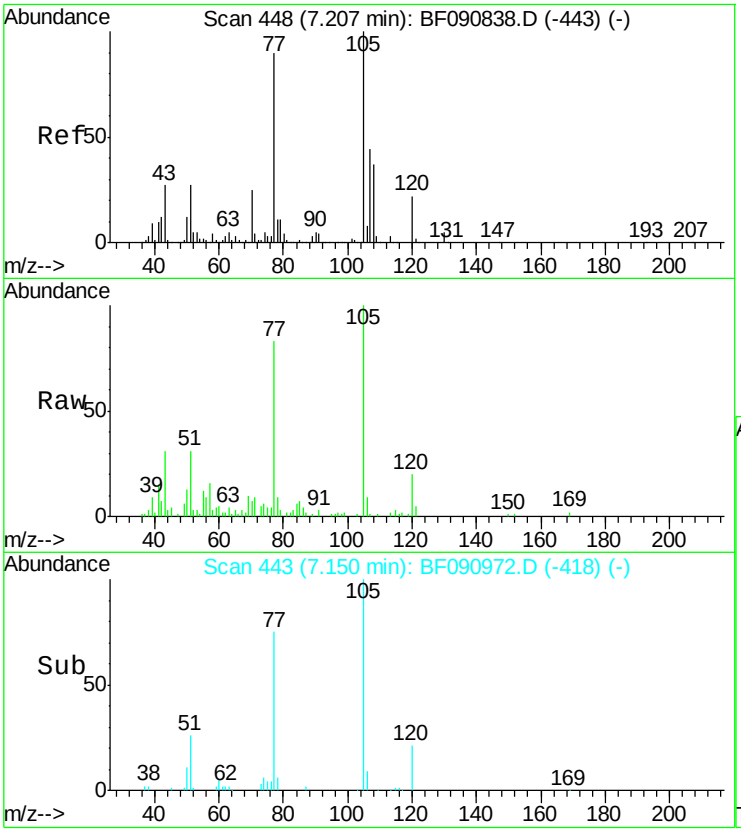


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:136 Resp: 690649

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.7	8.2	12.2#
68	7.1	5.8	8.6

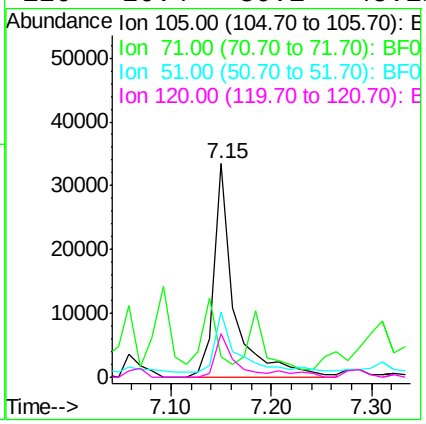




#22
Acetophenone
Concen: 3.32 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:105 Resp: 47224

Ion	Ratio	Lower	Upper
105	100		
71	9.3	4.7	7.1#
51	30.8	22.0	33.0
120	20.4	30.1	45.1#



Instrument :
BNA_F
ClientSampleId :
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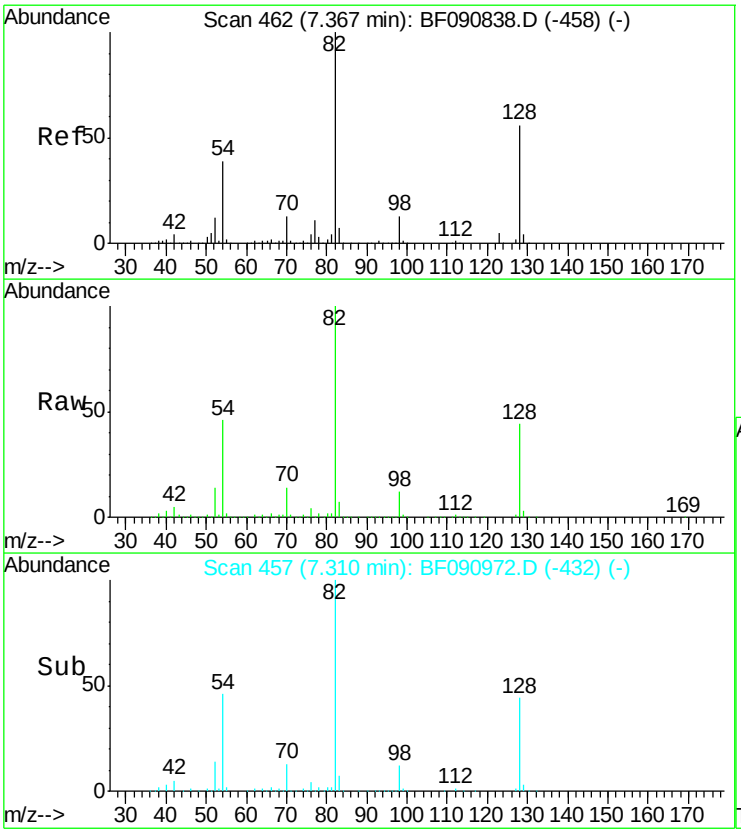
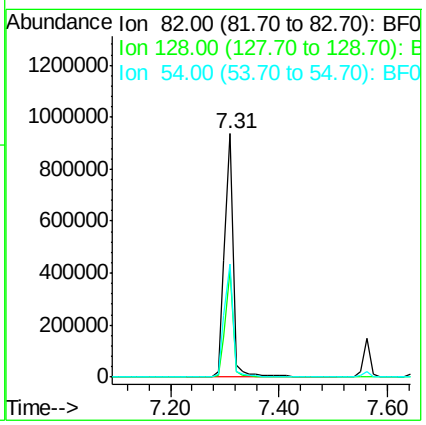
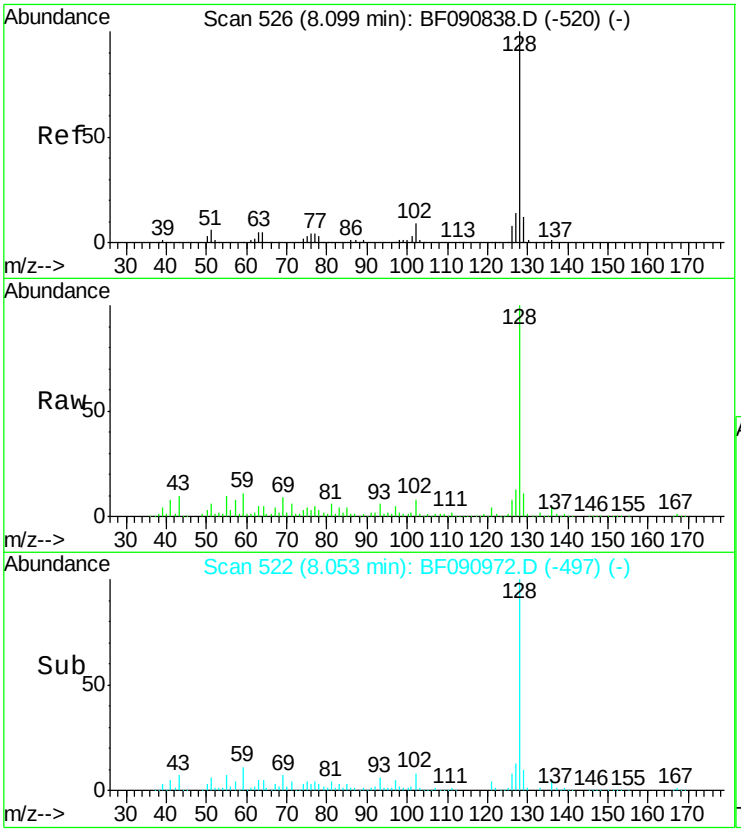


#23
Nitrobenzene-d5
Concen: 100.16 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion: 82 Resp: 1056646

Ion	Ratio	Lower	Upper
82	100		
128	44.0	51.0	76.6#
54	46.4	47.5	71.3#

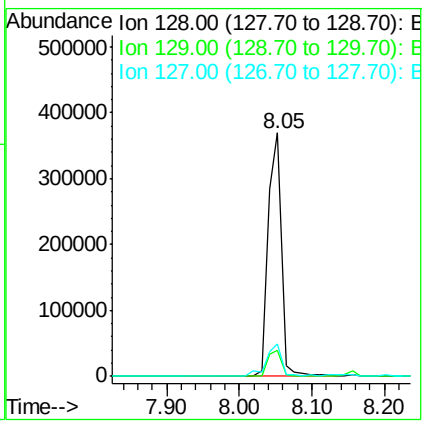




#31
Naphthalene
Concen: 14.81 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:128 Resp: 478050

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.4	12.6
127	13.3	9.9	14.9



Instrument :
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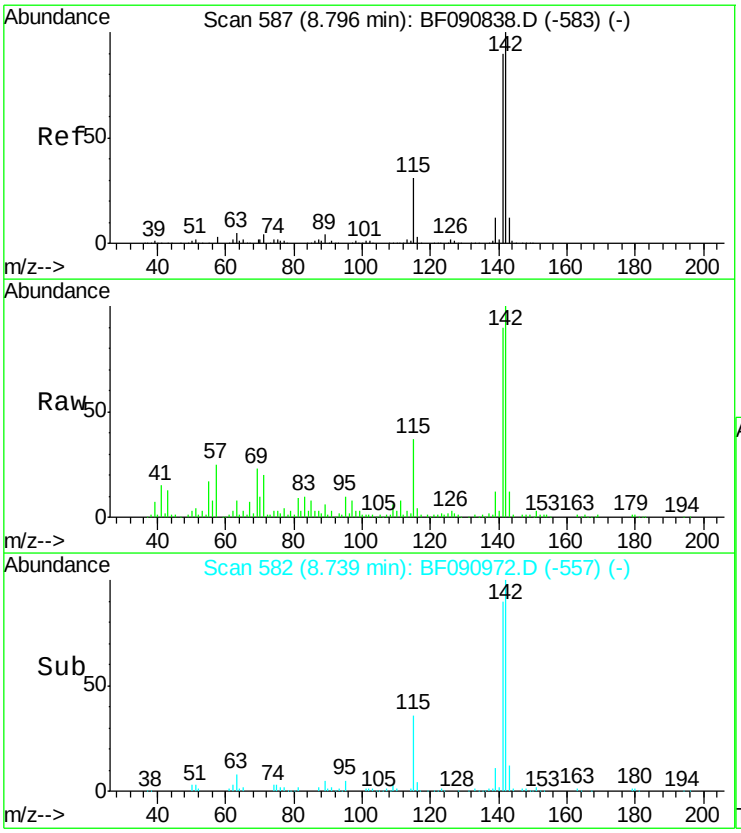
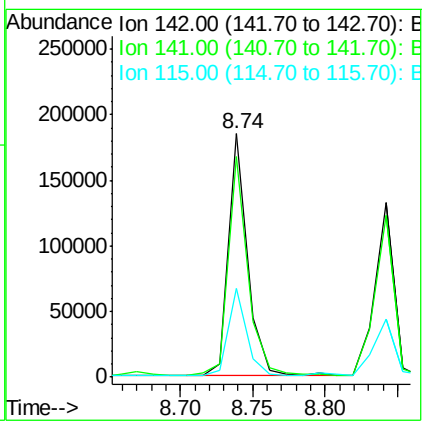
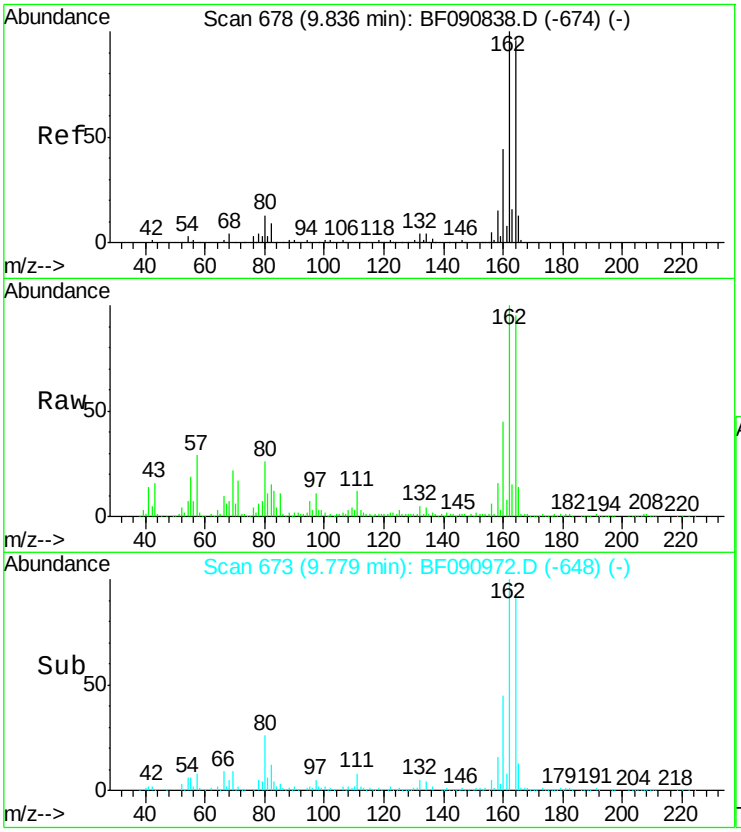


#37
2-Methylnaphthalene
Concen: 8.15 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:142 Resp: 169843

Ion	Ratio	Lower	Upper
142	100		
141	90.4	67.5	101.3
115	36.5	18.2	27.2#

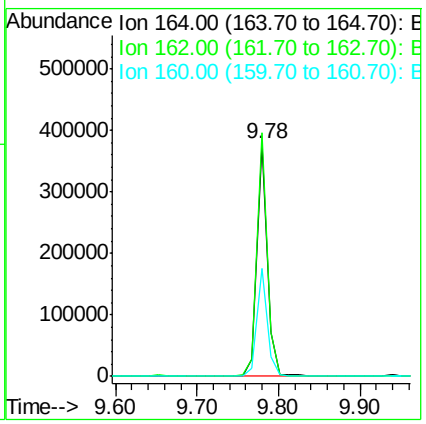




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:164 Resp: 333187

Ion	Ratio	Lower	Upper
164	100		
162	104.8	75.2	112.8
160	46.7	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
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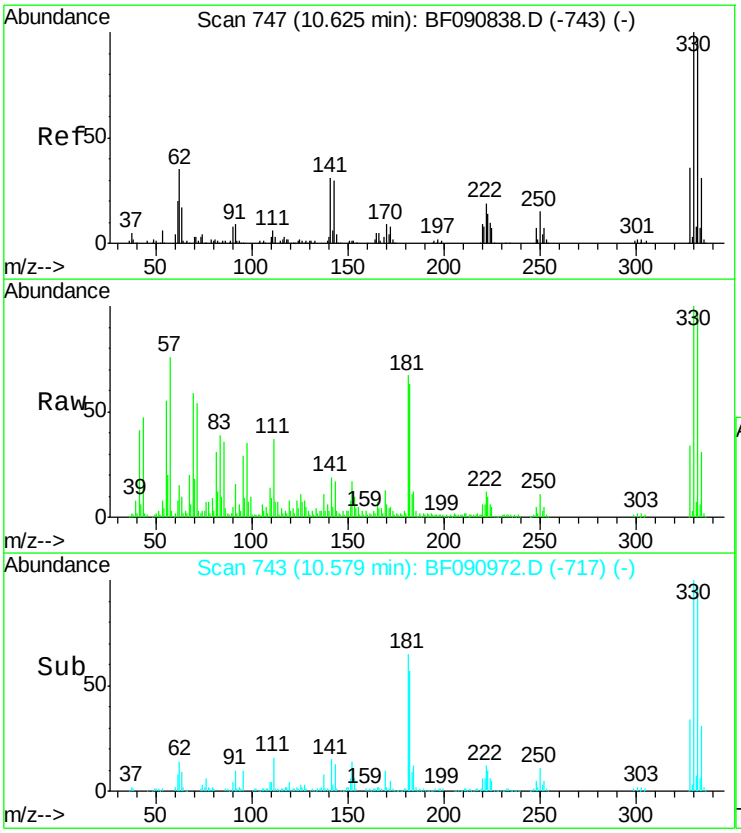
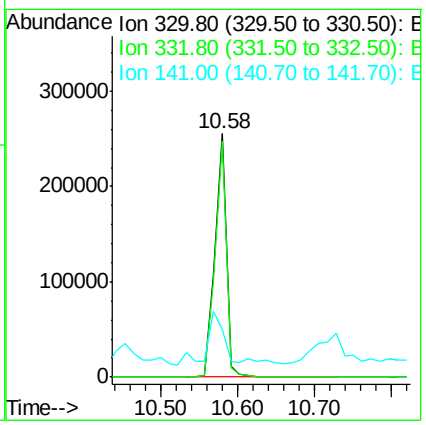
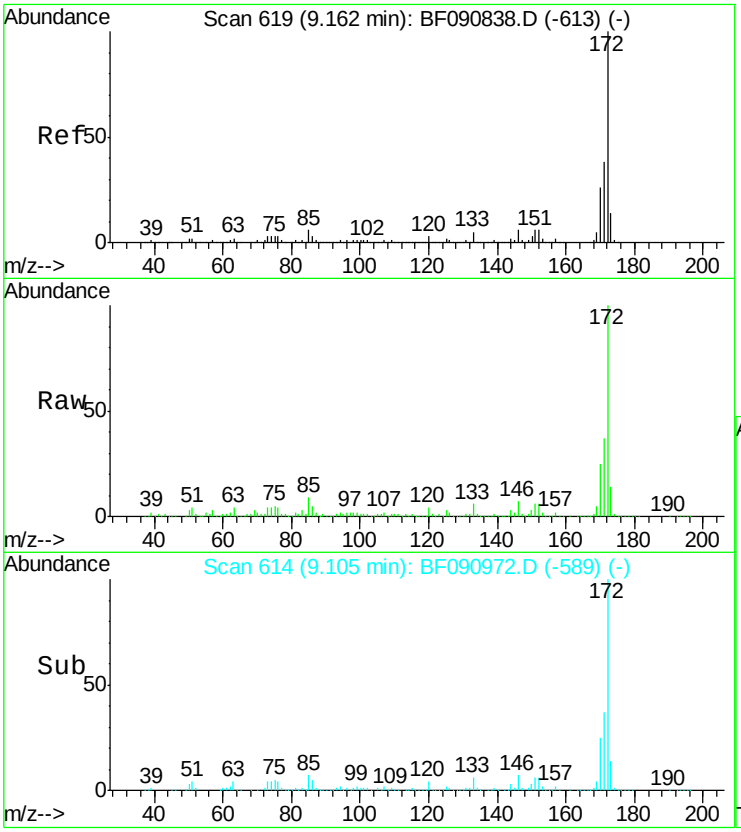


#41
2,4,6-Tribromophenol
Concen: 76.79 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:330 Resp: 262926

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	32.8	29.7	44.5

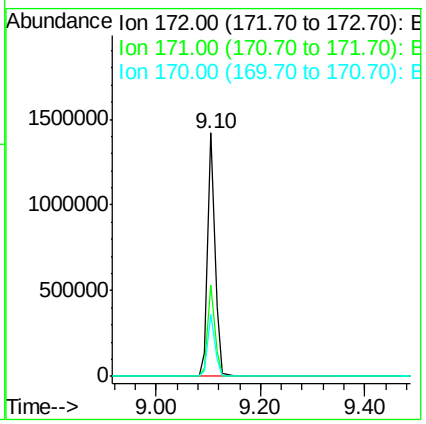




#44
2-Fluorobiphenyl
Concen: 72.73 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:172 Resp: 1379963

Ion	Ratio	Lower	Upper
172	100		
171	37.3	26.1	39.1
170	25.1	17.4	26.2



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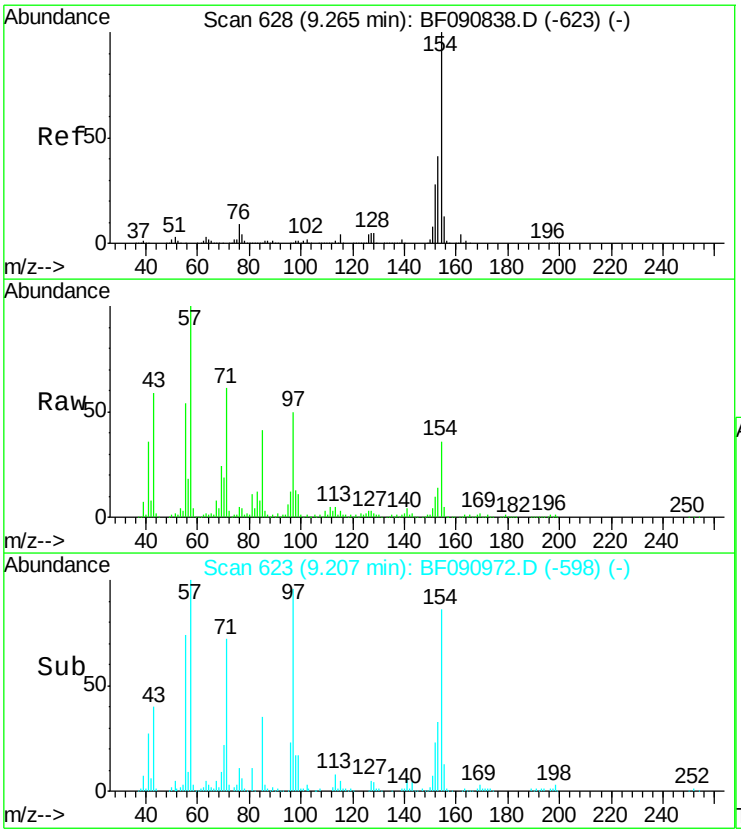
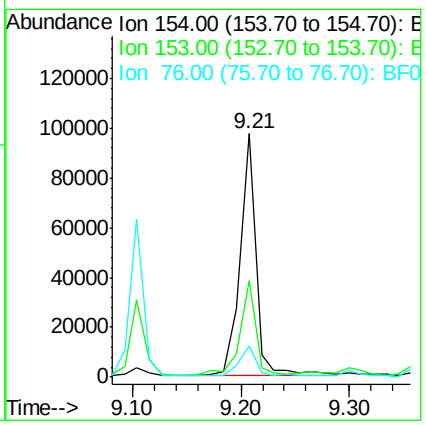
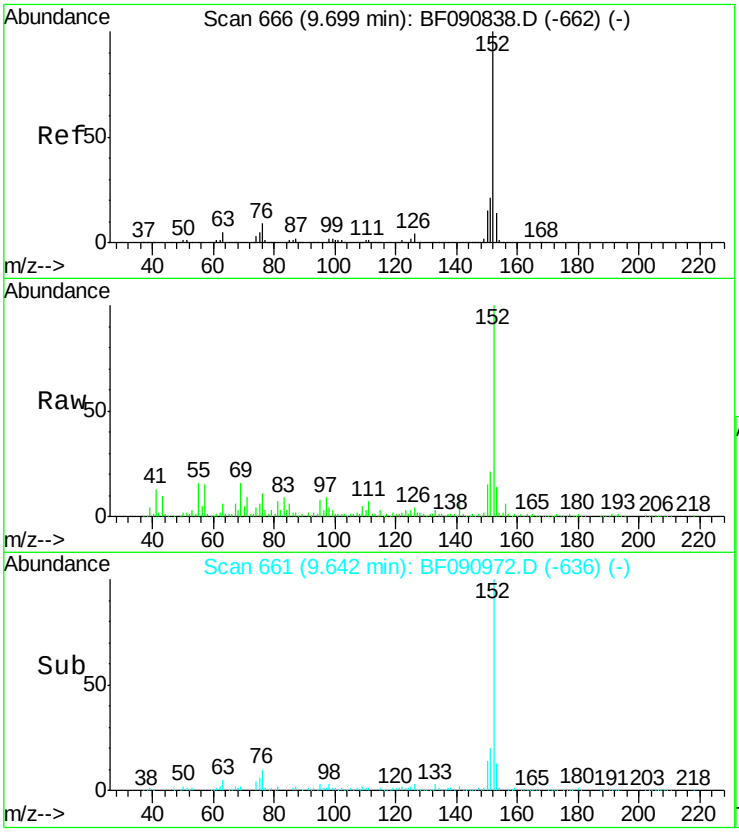


#45
1,1'-Biphenyl
Concen: 4.09 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:154 Resp: 98224

Ion	Ratio	Lower	Upper
154	100		
153	39.7	17.1	57.1
76	12.9	0.0	31.6

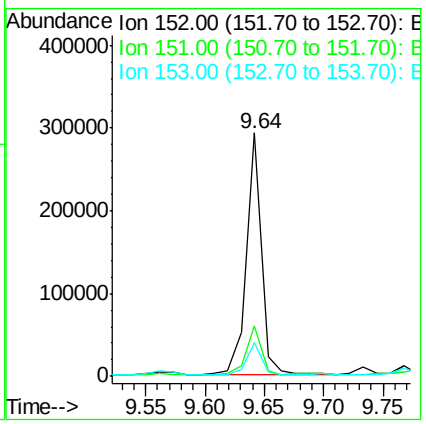




#48
Acenaphthylene
Concen: 9.45 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:152 Resp: 261337

Ion	Ratio	Lower	Upper
152	100		
151	20.7	14.6	22.0
153	14.1	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
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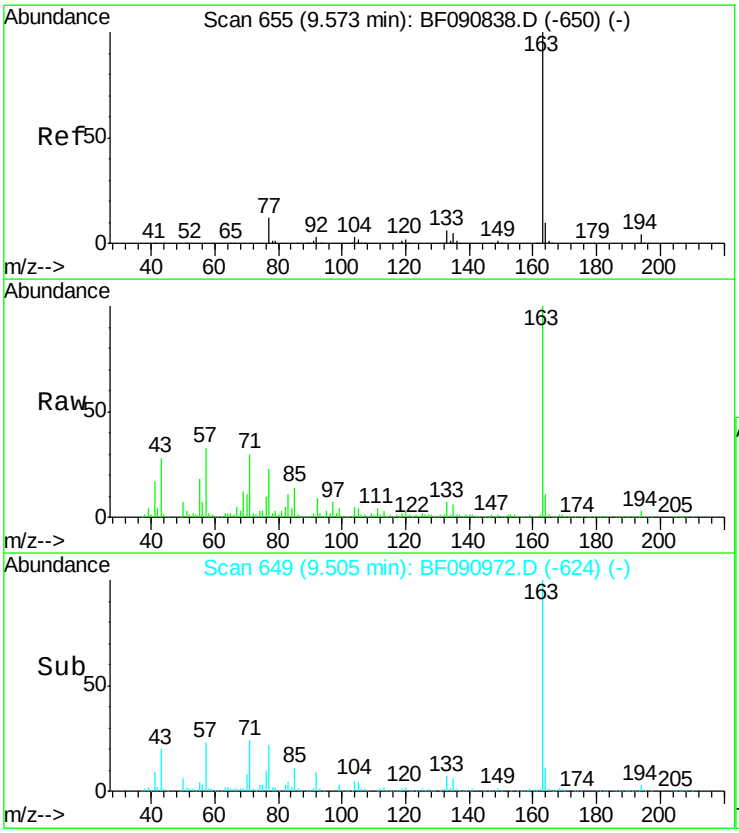
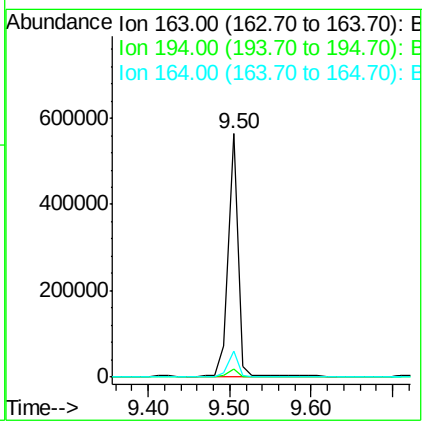
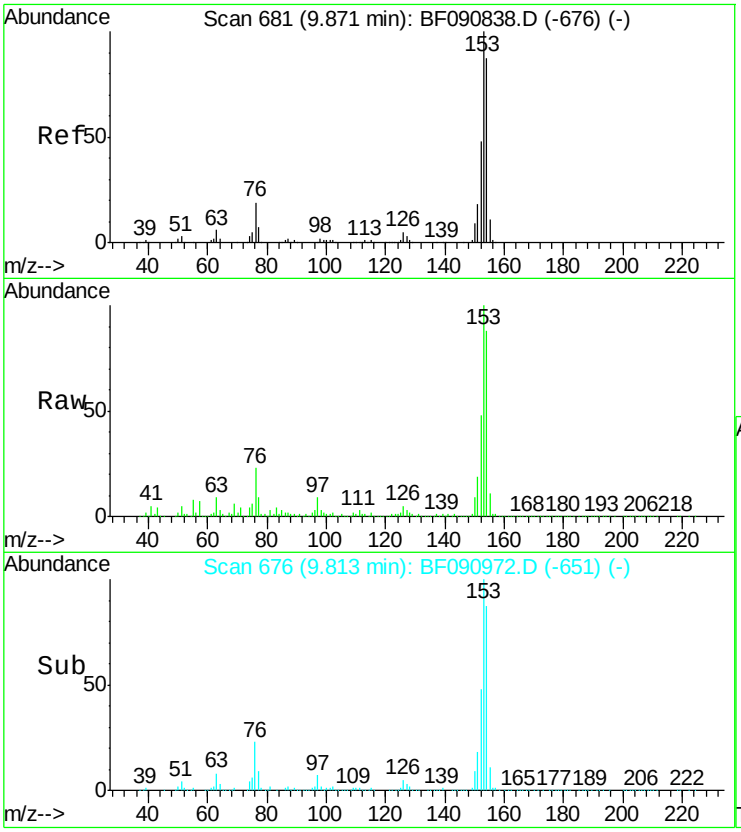


#49
Dimethylphthalate
Concen: 20.80 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:163 Resp: 463001

Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	10.9	8.3	12.5

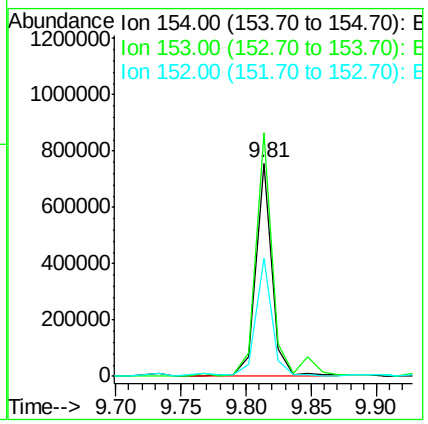




#51
Acenaphthene
Concen: 34.11 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:154 Resp: 649316

Ion	Ratio	Lower	Upper
154	100		
153	114.2	82.1	123.1
152	55.3	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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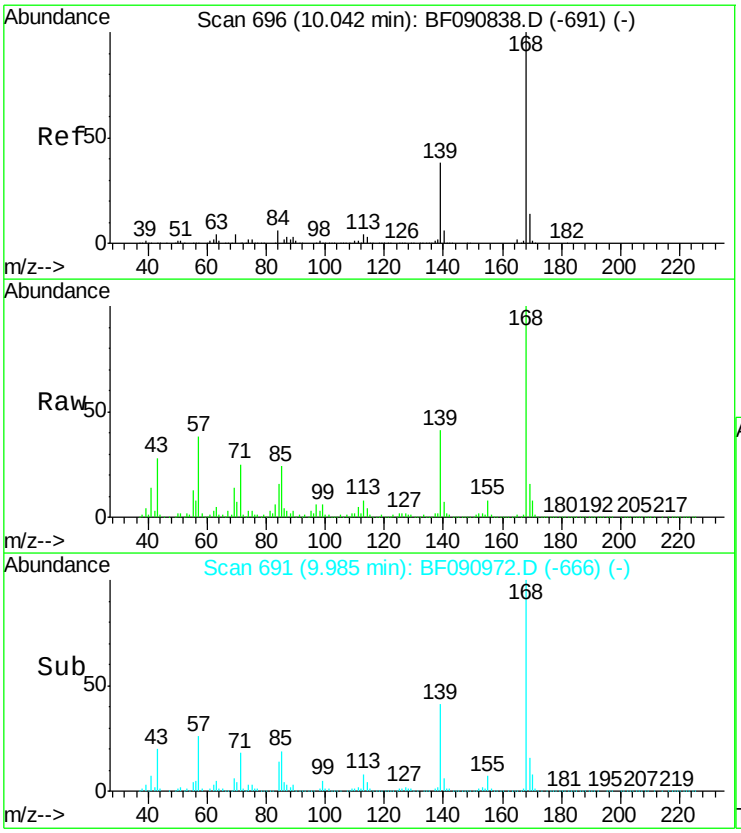
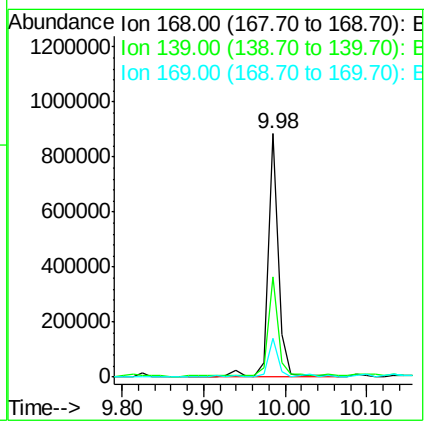
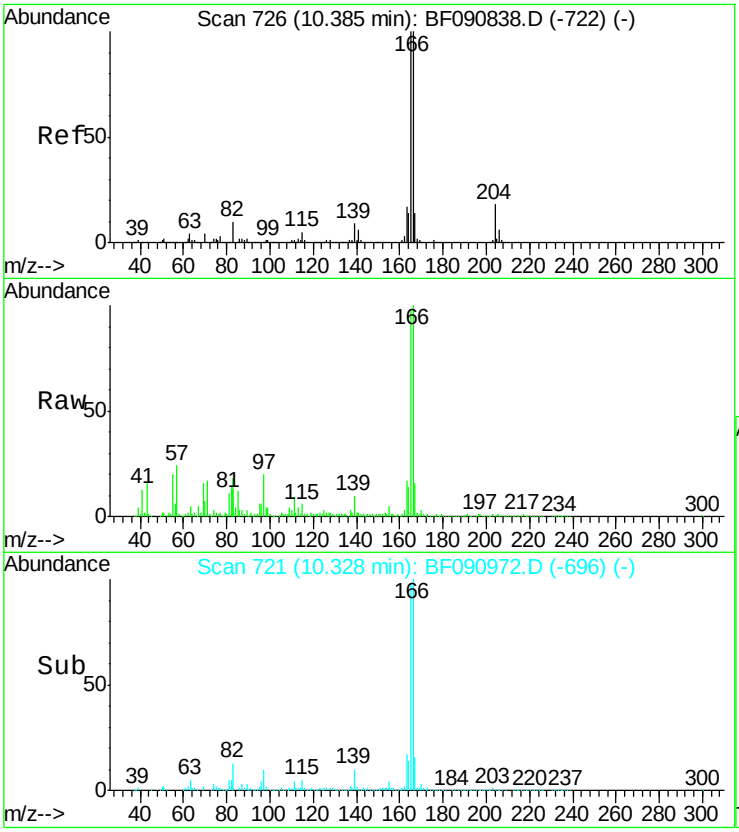


#54
Dibenzofuran
Concen: 32.22 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:168 Resp: 791580

Ion	Ratio	Lower	Upper
168	100		
139	41.2	24.2	36.2#
169	15.7	10.6	15.8

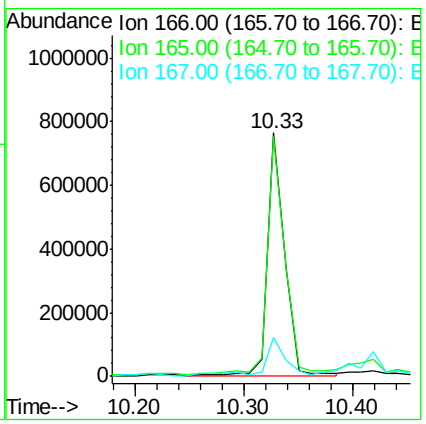




#57
Fluorene
Concen: 40.89 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:166 Resp: 822862

Ion	Ratio	Lower	Upper
166	100		
165	98.2	72.6	109.0
167	16.1	10.6	16.0#



Instrument :
BNA_F
ClientSampleId :
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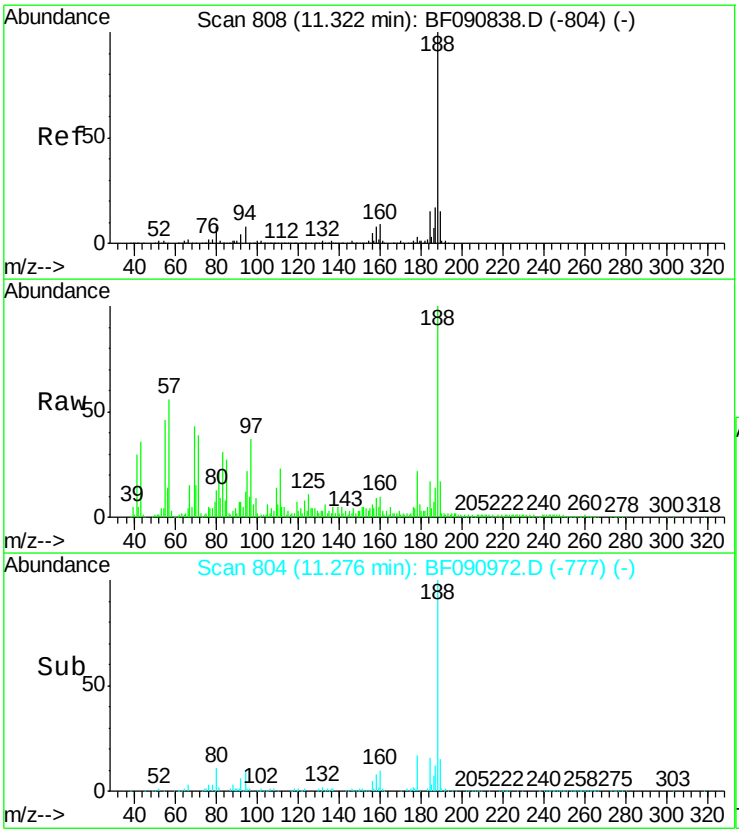
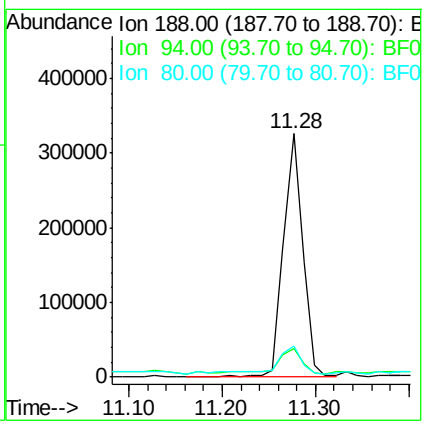
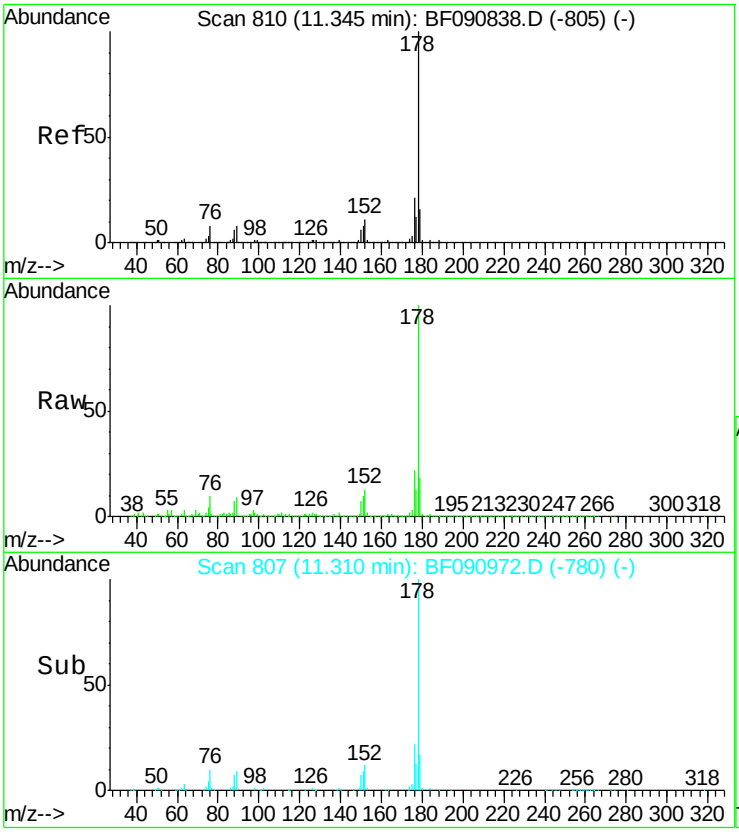


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:188 Resp: 463547

Ion	Ratio	Lower	Upper
188	100		
94	12.0	11.1	16.7
80	12.6	11.0	16.4

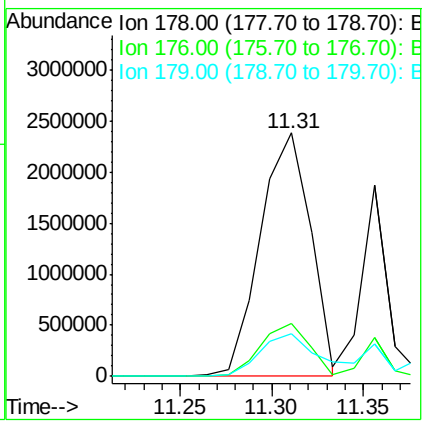




#70
Phenanthrene
Concen: 193.37 ng m
RT: 11.31 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:178 Resp: 4564691

Ion	Ratio	Lower	Upper
178	100		
176	21.9	13.8	20.8#
179	17.7	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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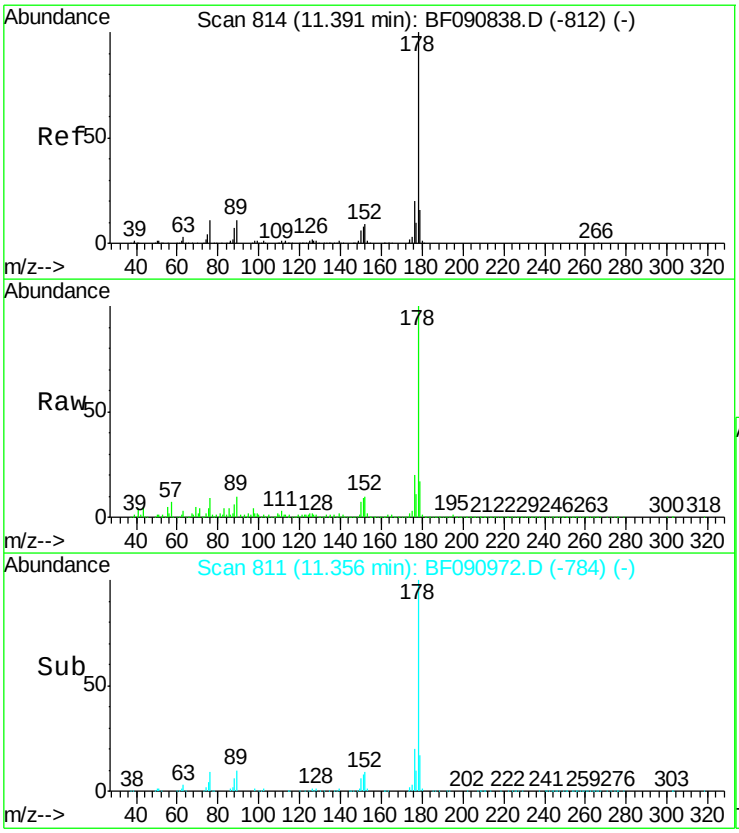
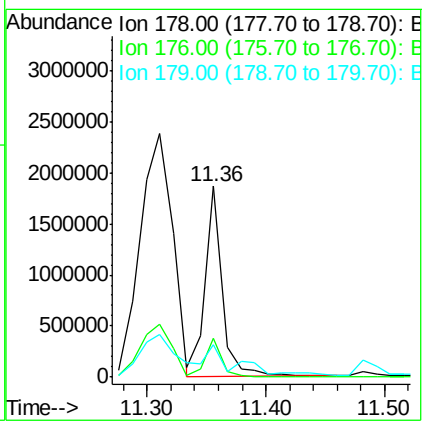
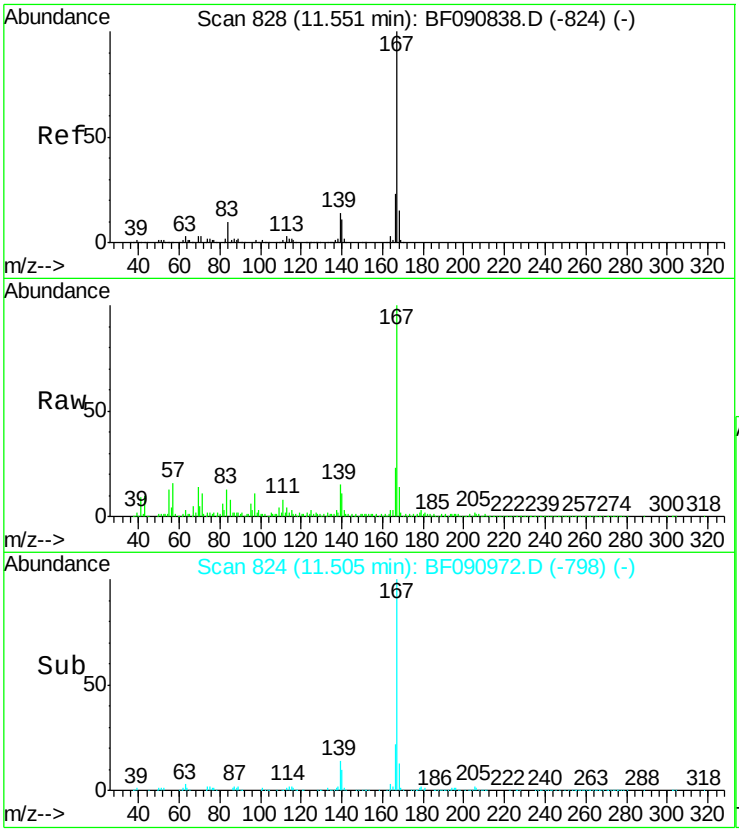


#71
Anthracene
Concen: 74.50 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:178 Resp: 1851754

Ion	Ratio	Lower	Upper
178	100		
176	20.2	14.1	21.1
179	17.0	12.2	18.2

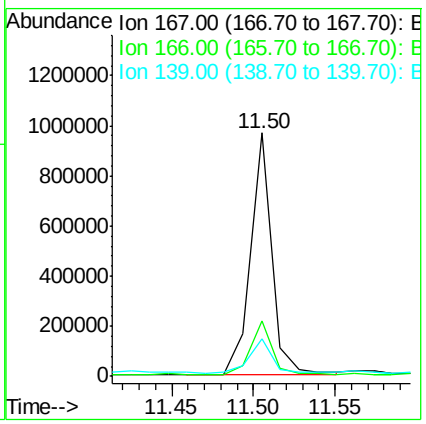




#72
Carbazole
Concen: 39.85 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:167 Resp: 874775

Ion	Ratio	Lower	Upper
167	100		
166	22.9	15.7	23.5
139	15.5	9.5	14.3#



Instrument :
BNA_F
ClientSampleId :
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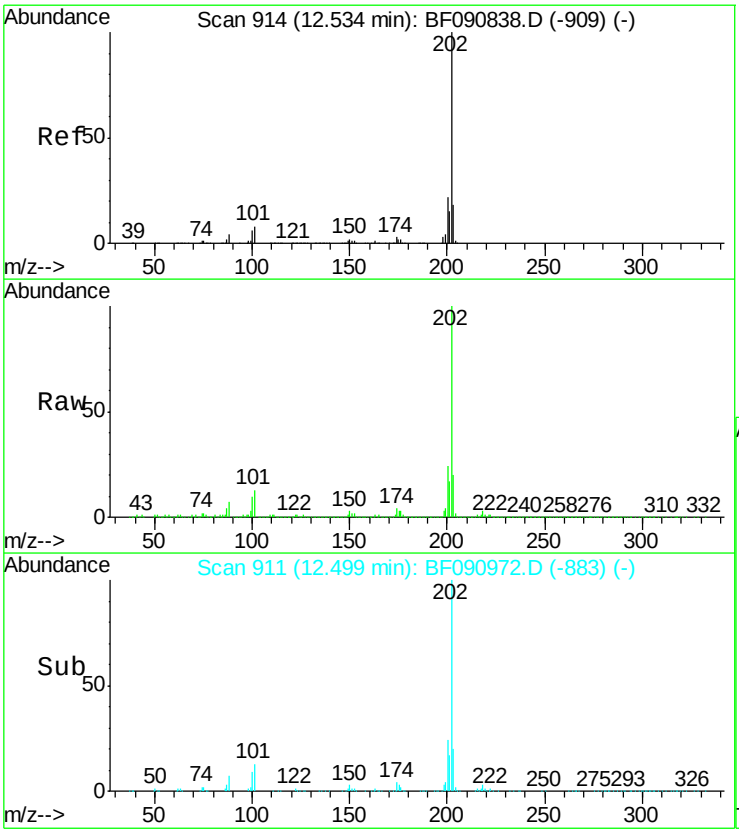
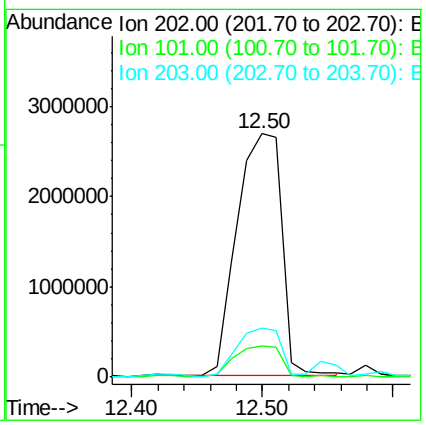
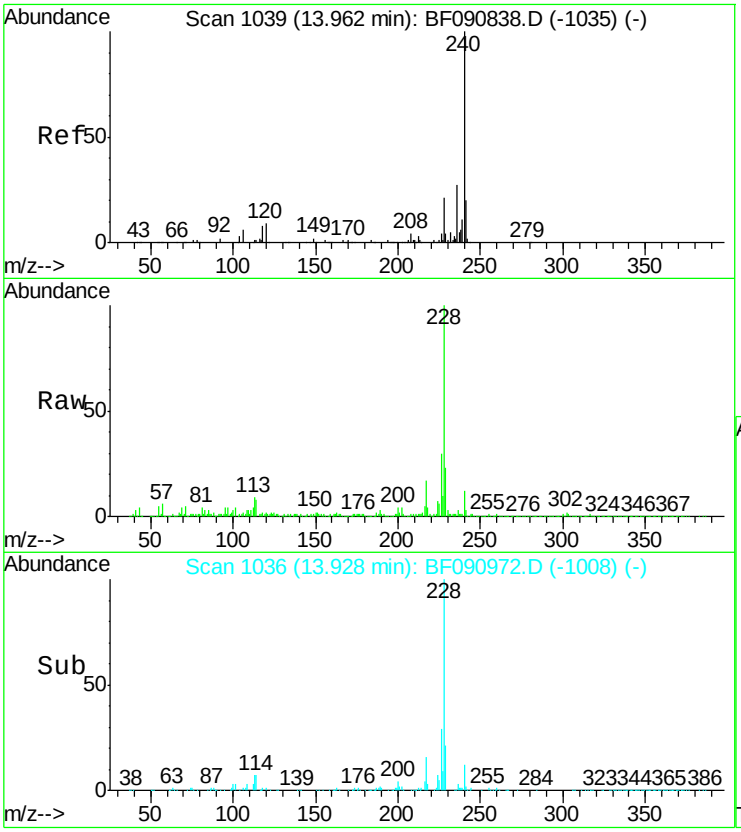


#74
Fluoranthene
Concen: 246.69 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.02 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:202 Resp: 6377044

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	38.3
203	20.1	0.0	37.3

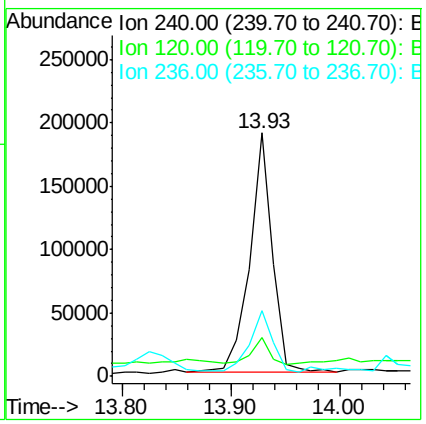




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:240 Resp: 272097

Ion	Ratio	Lower	Upper
240	100		
120	15.8	16.2	24.2#
236	27.2	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
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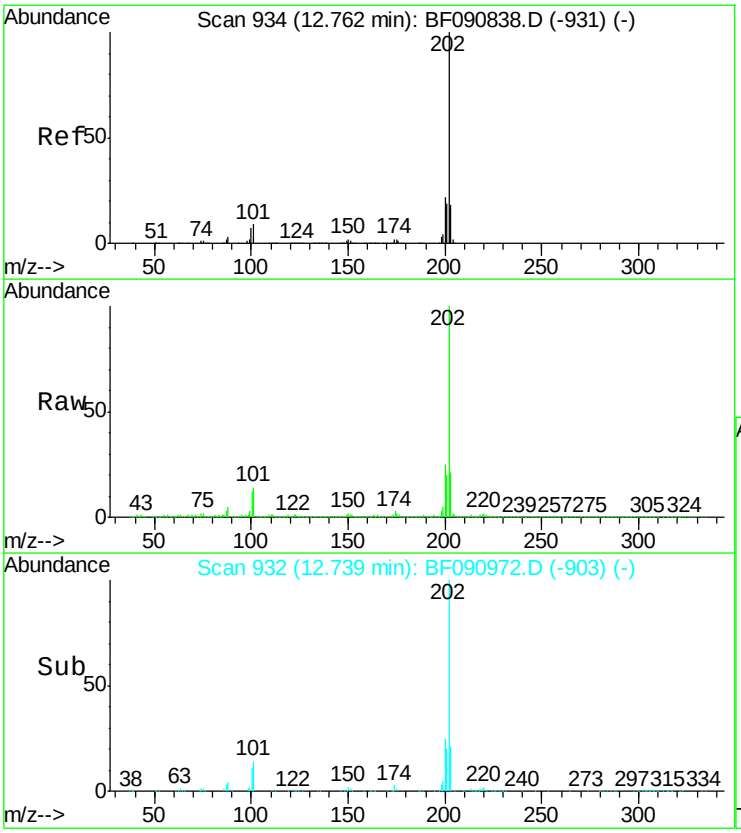
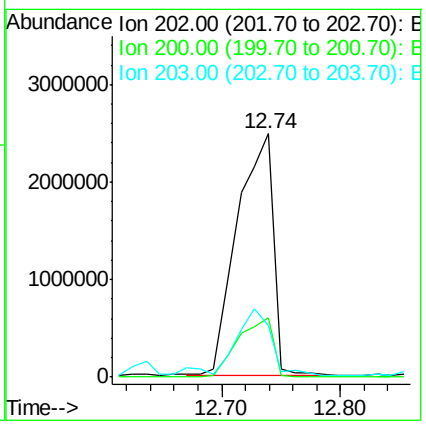
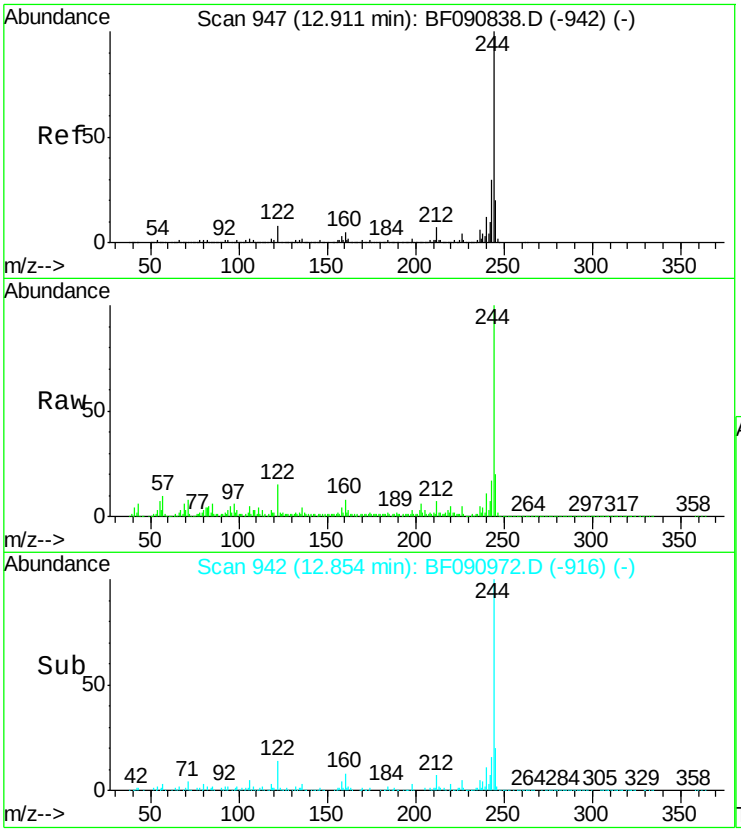


#77
Pyrene
Concen: 305.95 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.03 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:202 Resp: 5268267

Ion	Ratio	Lower	Upper
202	100		
200	24.5	15.0	22.4#
203	21.0	14.1	21.1

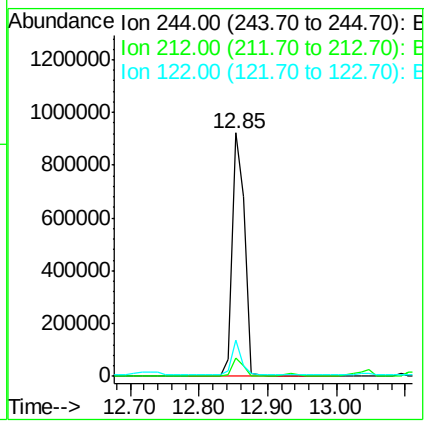




#78
Terphenyl-d14
Concen: 107.71 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:244 Resp: 1163305

Ion	Ratio	Lower	Upper
244	100		
212	7.4	4.3	6.5#
122	14.7	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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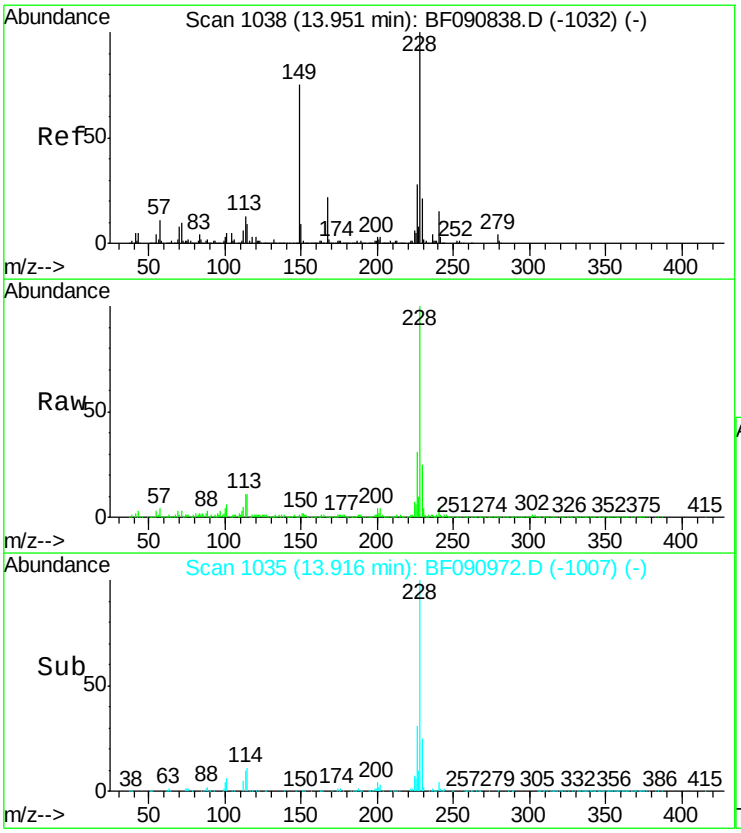
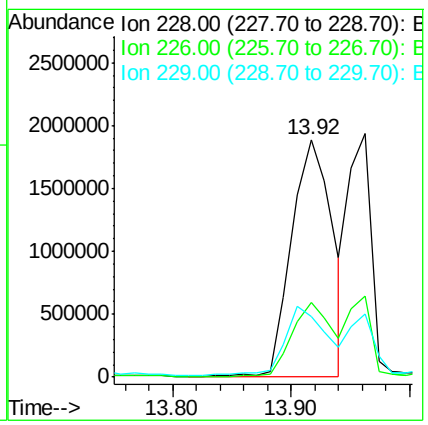
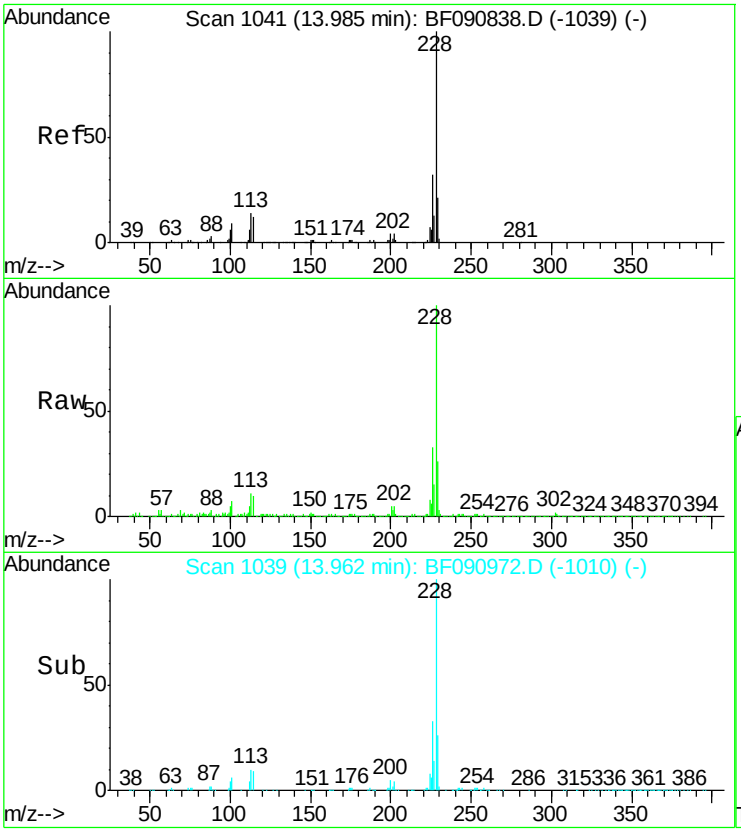


#80
Benzo(a)anthracene
Concen: 309.50 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.02 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:228 Resp: 4469308

Ion	Ratio	Lower	Upper
228	100		
226	31.3	20.0	30.0#
229	25.4	15.4	23.2#

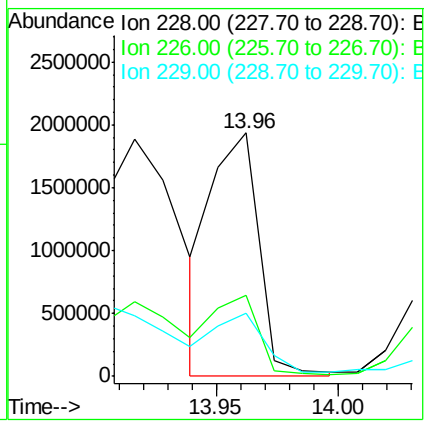




#82
Chrysene
Concen: 177.92 ng m
RT: 13.96 min Scan# 1039
Delta R.T. 0.03 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:228 Resp: 2598743

Ion	Ratio	Lower	Upper
228	100		
226	33.4	21.0	31.4#
229	26.1	15.6	23.4#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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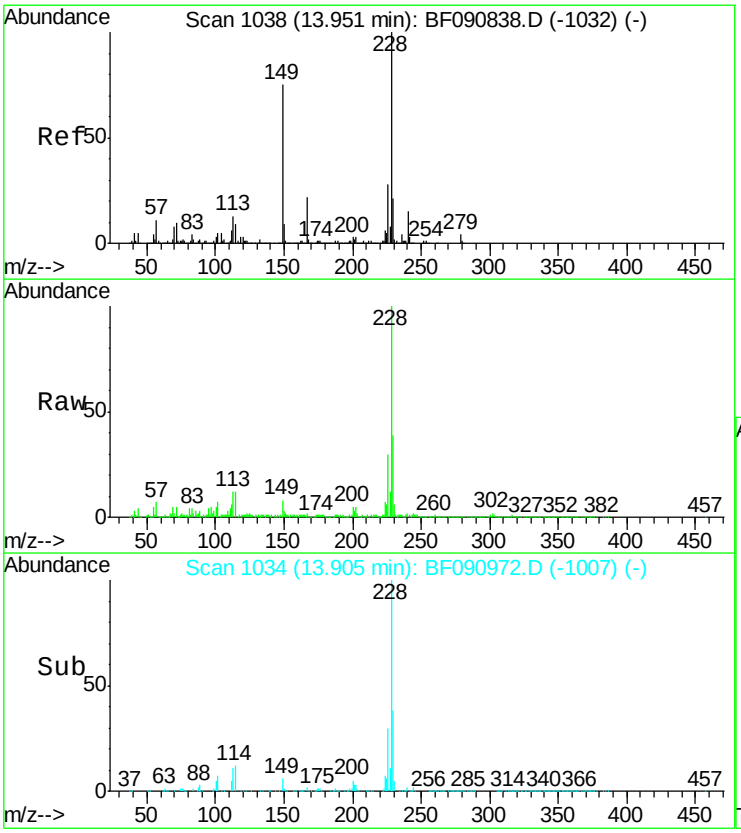
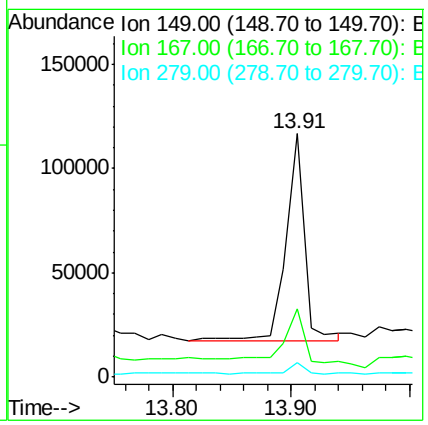
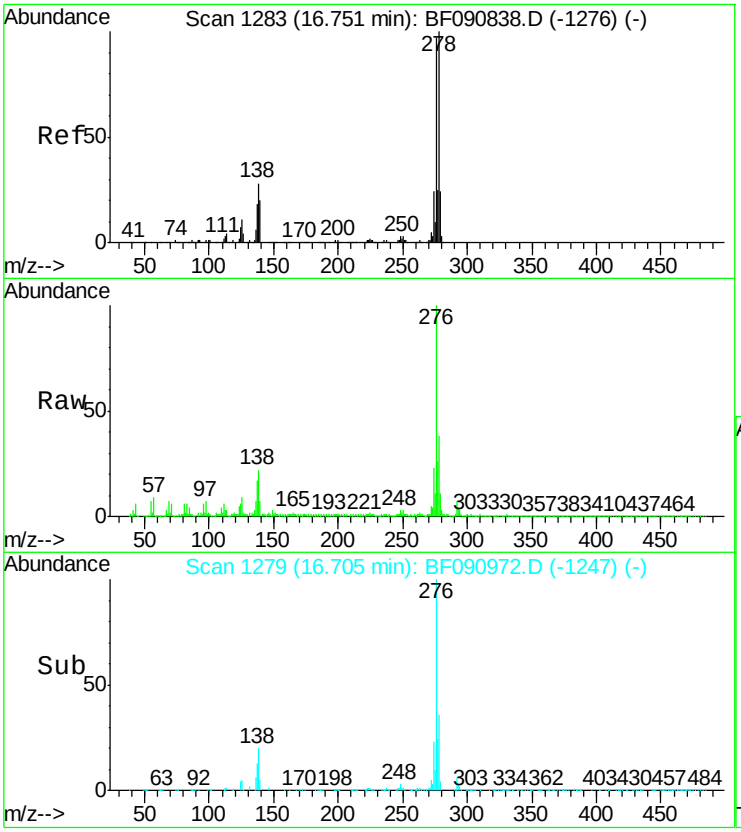


#83
Bis(2-ethylhexyl)phthalate
Concen: 10.53 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:149 Resp: 107089

Ion	Ratio	Lower	Upper
149	100		
167	28.2	24.2	36.2
279	5.7	3.8	5.6#





#85
Indeno(1,2,3-cd)pyrene
Concen: 149.23 ng
RT: 16.71 min Scan# 1279
Delta R.T. 0.07 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:276 Resp: 1931638

Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.7	38.5#
277	26.0	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

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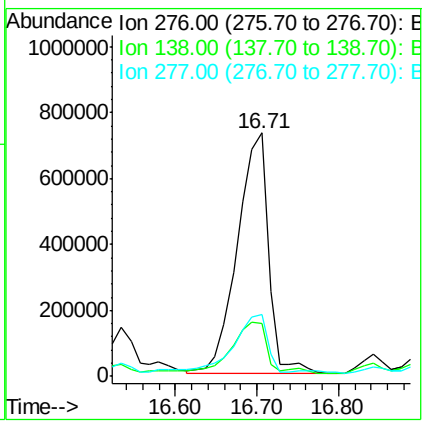
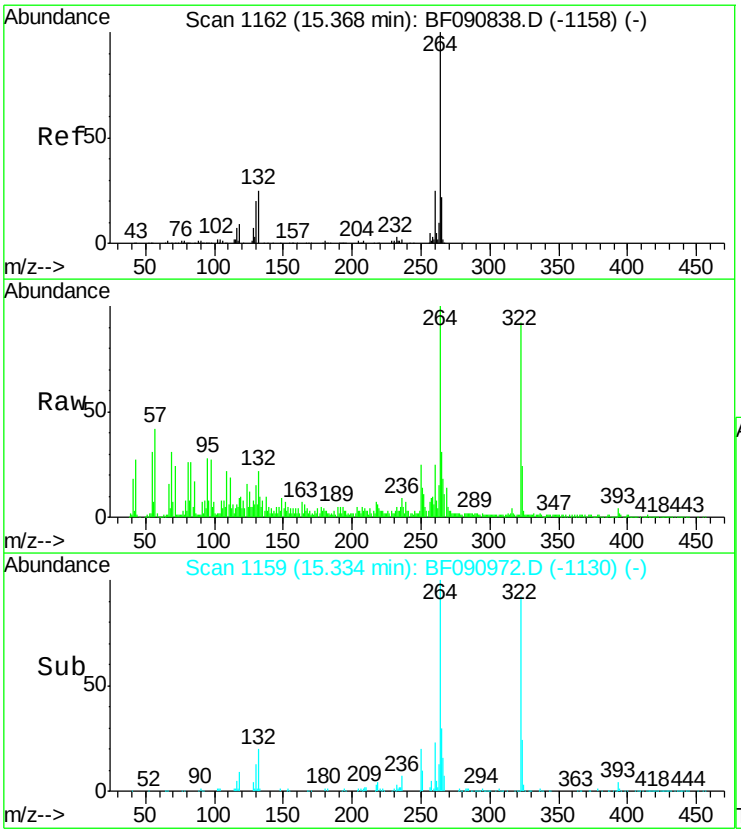
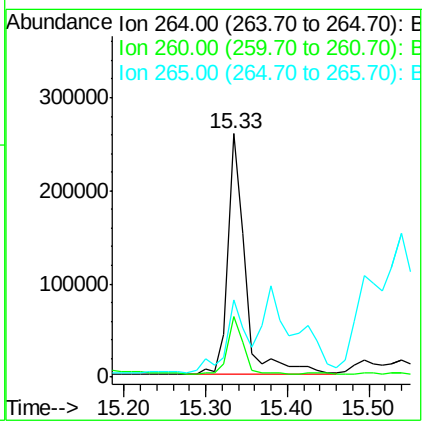


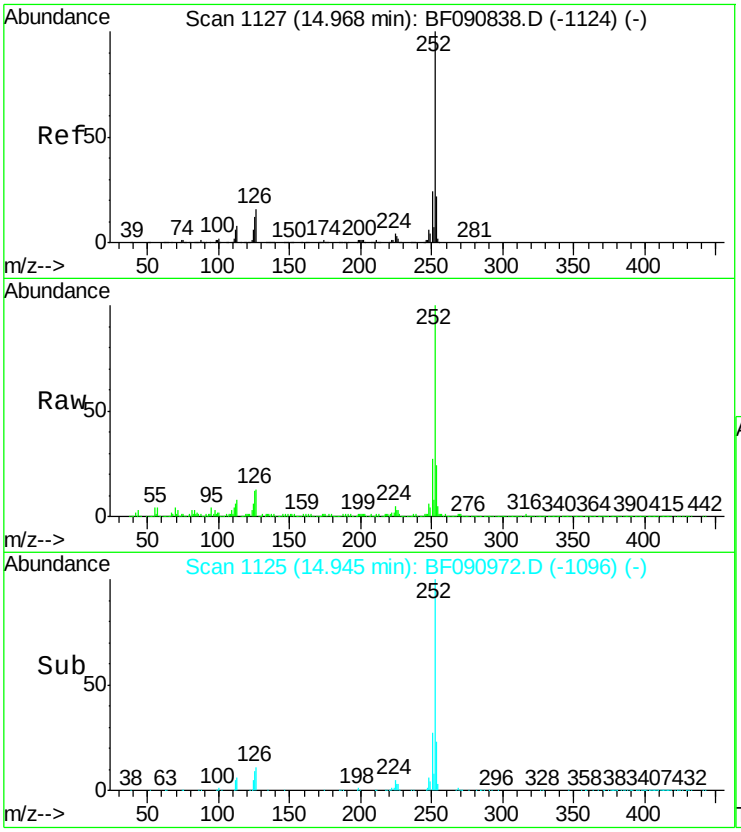


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. 0.03 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:264 Resp: 382350

Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1#
265	31.5	17.2	25.8#

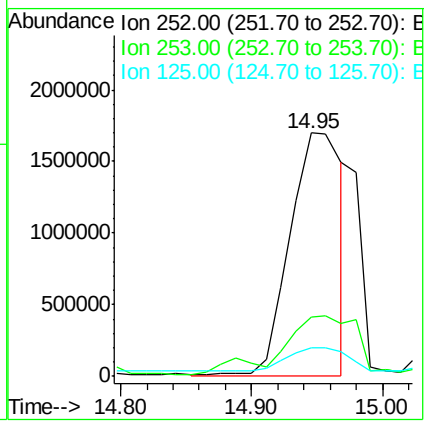




#87
Benzo(b)fluoranthene
Concen: 184.84 ng m
RT: 14.95 min Scan# 1125
Delta R.T. 0.03 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:252 Resp: 4752128

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	11.7	17.1	25.7#



Instrument :
BNA_F
ClientSampleId :
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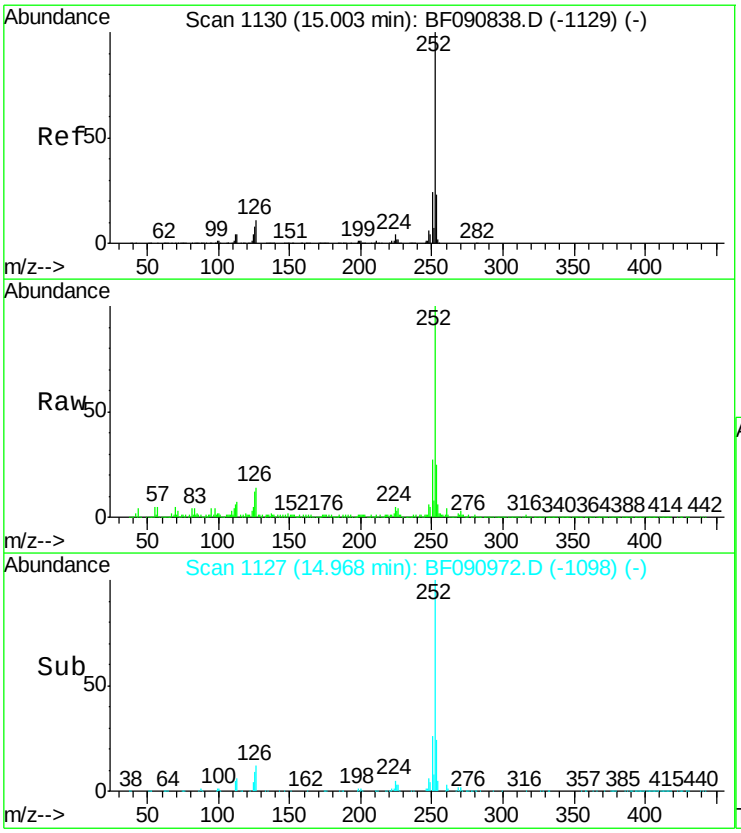
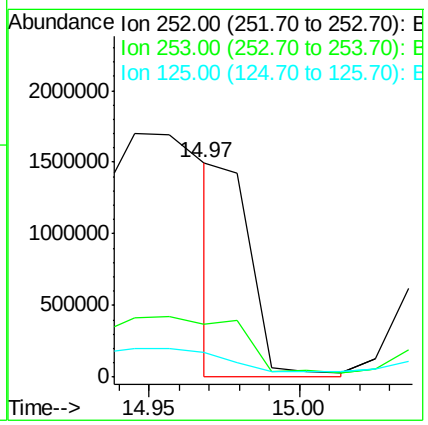
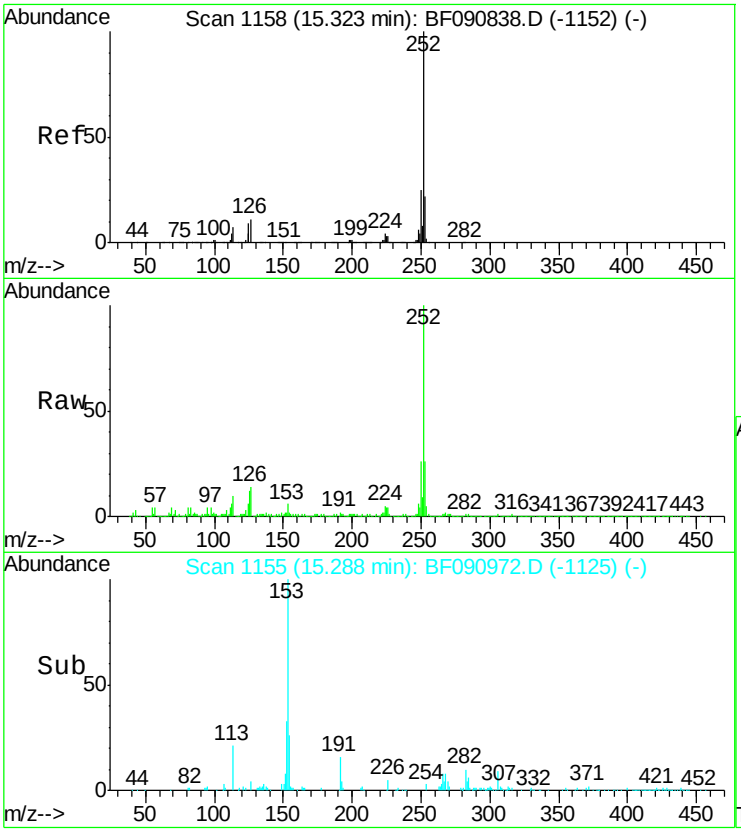


#88
Benzo(k)fluoranthene
Concen: 52.93 ng m
RT: 14.97 min Scan# 1127
Delta R.T. 0.03 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:252 Resp: 1075481

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	11.8	16.0	24.0#

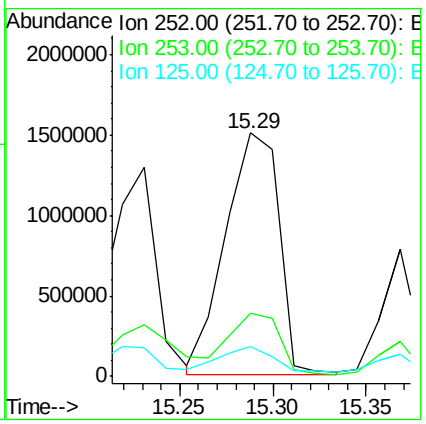




#89
Benzo(a)pyrene
Concen: 135.63 ng
RT: 15.29 min Scan# 1155
Delta R.T. 0.05 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:252 Resp: 2996214

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8#
125	12.1	18.0	27.0#



Instrument :
BNA_F
ClientSampleId :
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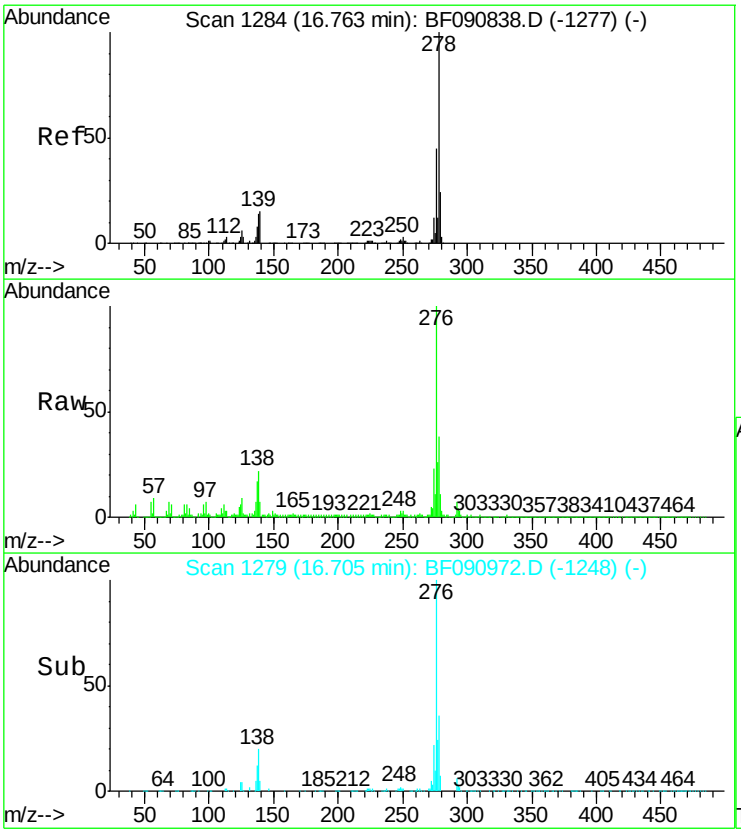
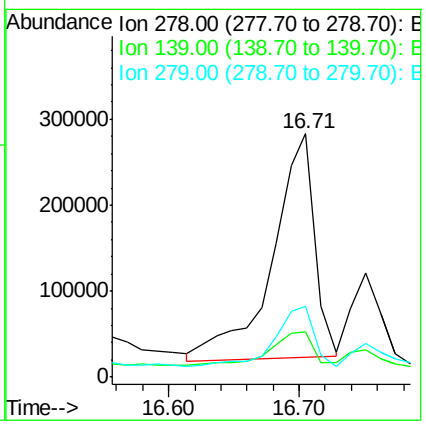
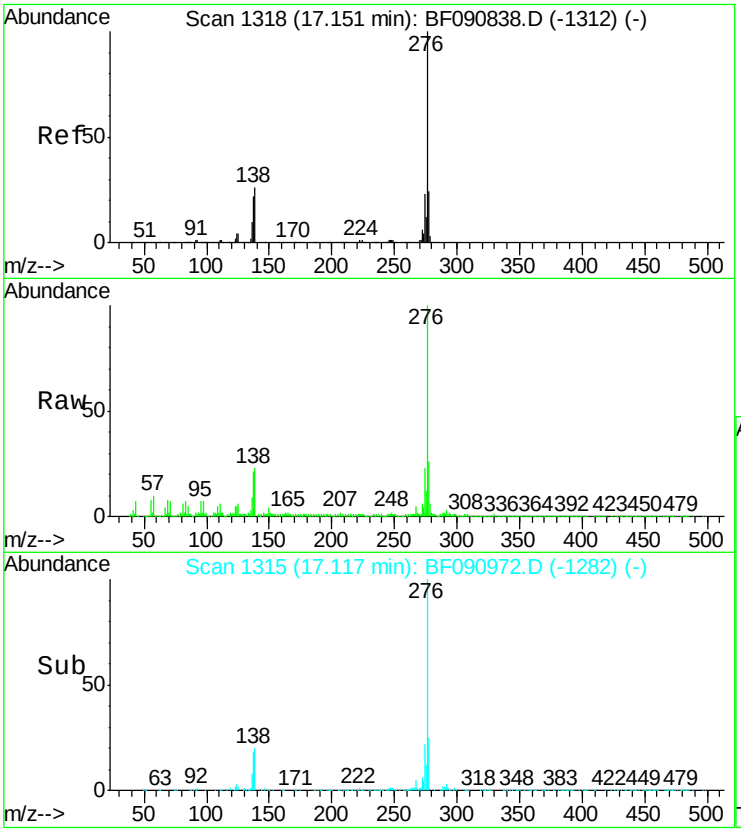


#90
Dibenzo(a,h)anthracene
Concen: 31.67 ng
RT: 16.71 min Scan# 1279
Delta R.T. 0.06 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:278 Resp: 592285

Ion	Ratio	Lower	Upper
278	100		
139	18.4	26.3	39.5#
279	29.0	18.2	27.4#

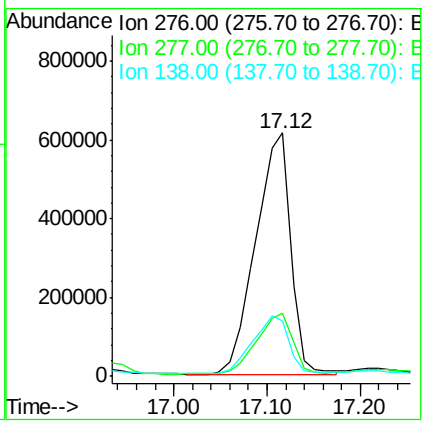




#91
Benzo(g,h,i)perylene
Concen: 90.32 ng
RT: 17.12 min Scan# 1315
Delta R.T. 0.08 min
Lab File: BF090972.D
Acq: 2 Nov 2016 1:00

Tgt Ion:276 Resp: 1590925

Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.8	26.6
138	22.9	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
SB-90-0.0-1.0

Manual Integrations APPROVED
Umangi
11/2/2016 5:42:44 PM