Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081919.D
Acq On : 30 Sep 2015 23:52
Operator : UM/IZ
Sample : G3779-03DL 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S2-10DL

Manual Integrations APPROVED
MMDadoda
10/1/2015 2:23:52 PM

Quant Time: Oct 01 05:16:18 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	136342m	20.00	ng		-0.03
21) Naphthalene-d8	8.19	136	523111	20.00	ng		-0.02
38) Acenaphthene-d10	9.94	164	236041	20.00	ng		-0.03
63) Phenanthrene-d10	11.43	188	408556	20.00	ng		-0.03
75) Chrysene-d12	14.07	240	340171	20.00	ng		-0.05
86) Perylene-d12	15.53	264	379553	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	167945	22.36	ng		-0.03
7) Phenol-d6	6.53	99	234404	24.80	ng		-0.03
23) Nitrobenzene-d5	7.46	82	152909	19.49	ng		-0.03
41) 2,4,6-Tribromophenol	10.73	330	46463	19.44	ng		-0.03
44) 2-Fluorobiphenyl	9.27	172	278467	16.38	ng		-0.03
78) Terphenyl-d14	13.02	244	186879	12.99	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.22	128	106878	4.61	ng		99
49) Dimethylphthalate	9.66	163	65628	4.03	ng	#	97
51) Acenaphthene	9.98	154	48282	3.55	ng		87
54) Dibenzofuran	10.15	168	58155	3.03	ng	#	92
70) Phenanthrene	11.46	178	587400	29.29	ng		97
71) Anthracene	11.51	178	173960	8.38	ng		98
72) Carbazole	11.67	167	97357	5.18	ng		97
74) Fluoranthene	12.64	202	628846	28.73	ng		94
77) Pyrene	12.87	202	477441	23.49	ng		93
80) Benzo(a)anthracene	14.06	228	267384	14.60	ng		95
82) Chrysene	14.10	228	202776m	9.67	ng		
85) Indeno(1,2,3-cd)pyrene	16.96	276	155601	10.86	ng	#	84
87) Benzo(b)fluoranthene	15.11	252	297538m	13.73	ng		
88) Benzo(k)fluoranthene	15.13	252	131065m	6.60	ng		
89) Benzo(a)pyrene	15.46	252	215310	11.45	ng	#	85
90) Dibenzo(a,h)anthracene	16.98	278	33493	2.12	ng	#	79
91) Benzo(g,h,i)perylene	17.40	276	137389	8.50	ng	#	77

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
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Misc :
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Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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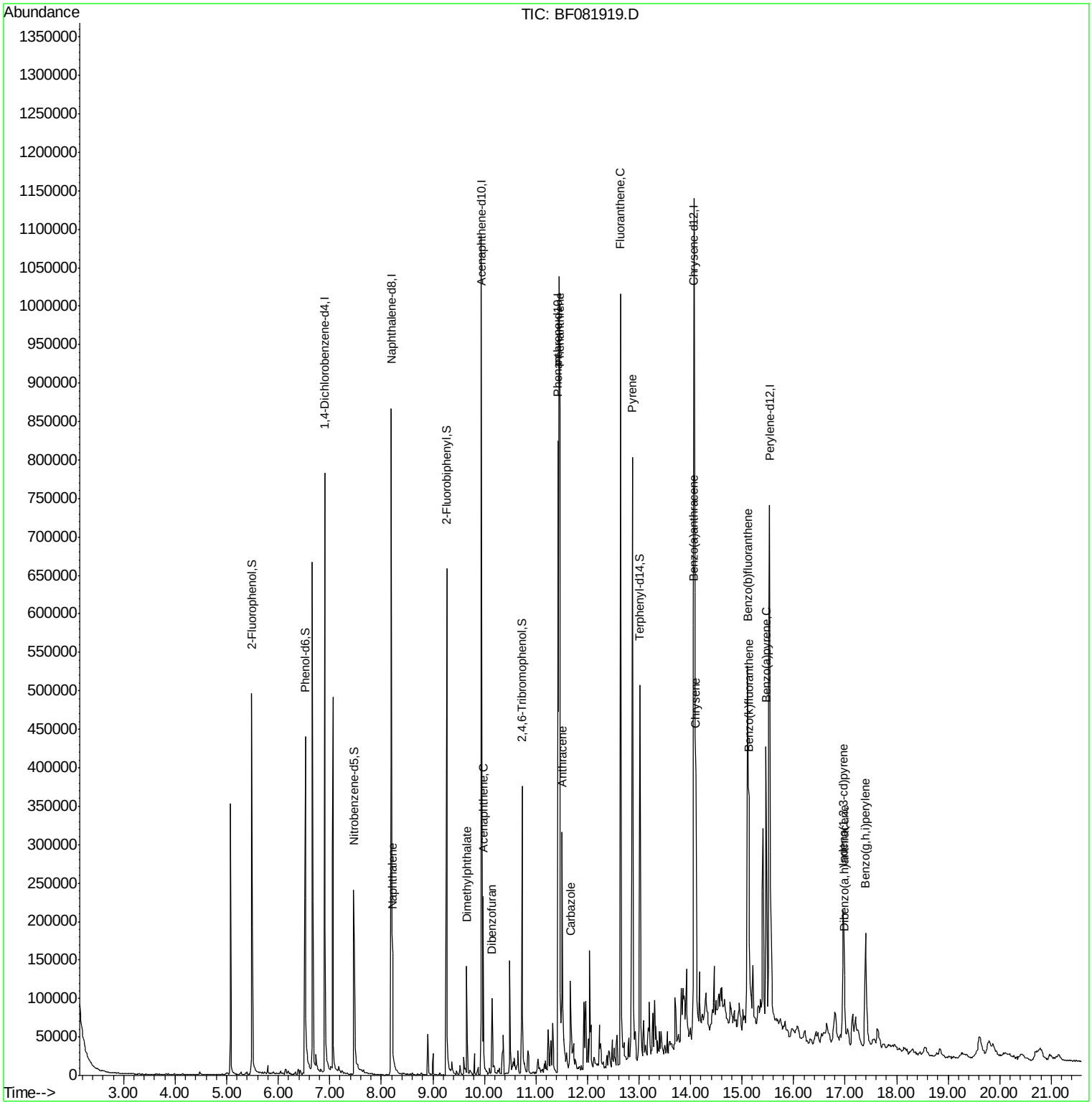

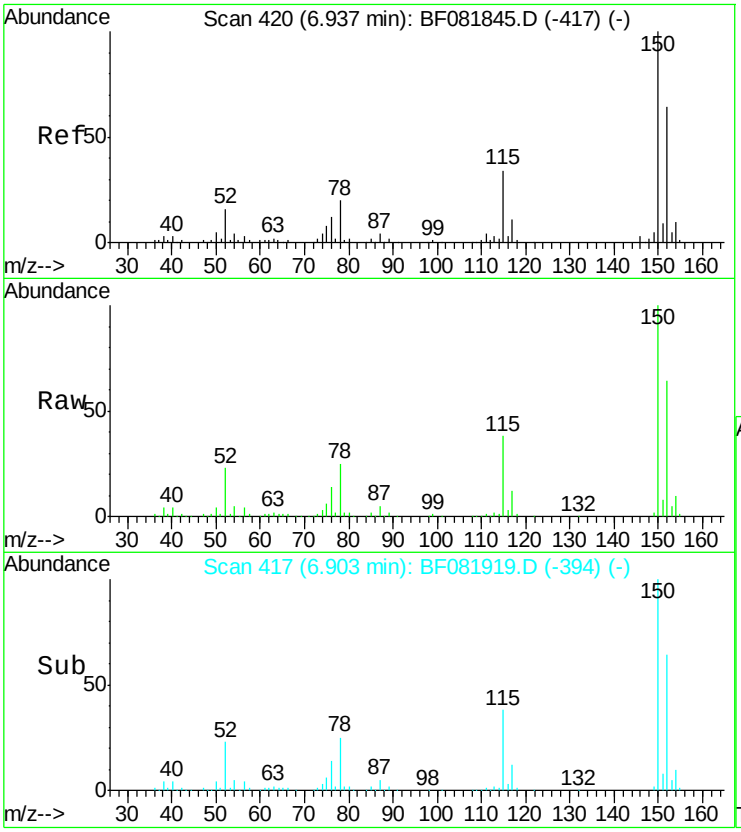

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.90 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:152 Resp: 136342

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.7	187.1
115	59.2	39.0	58.4#

Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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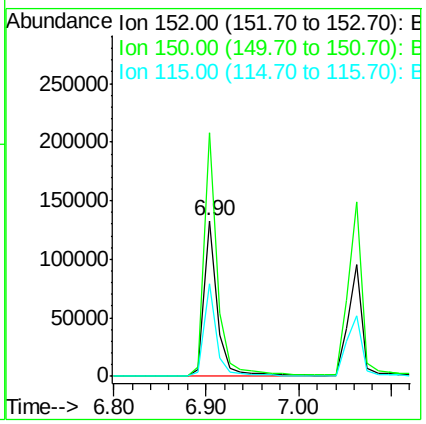
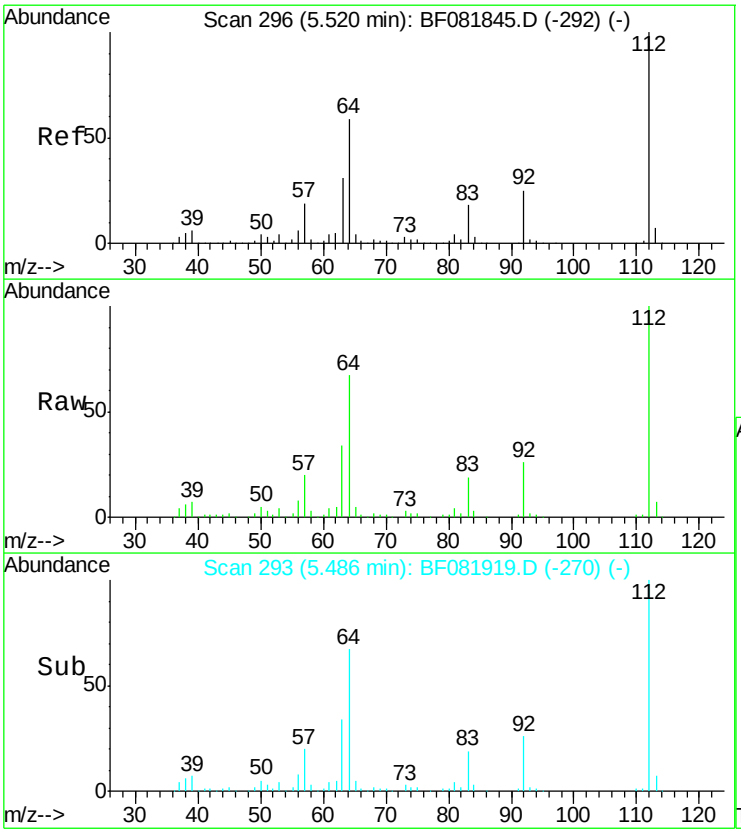
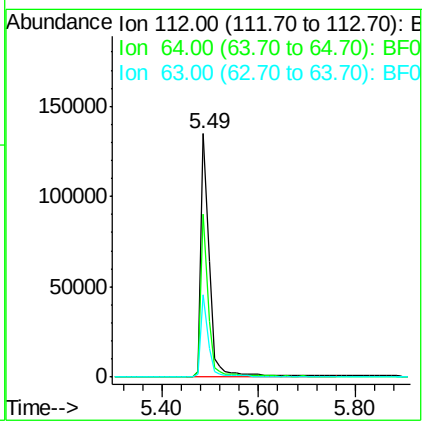


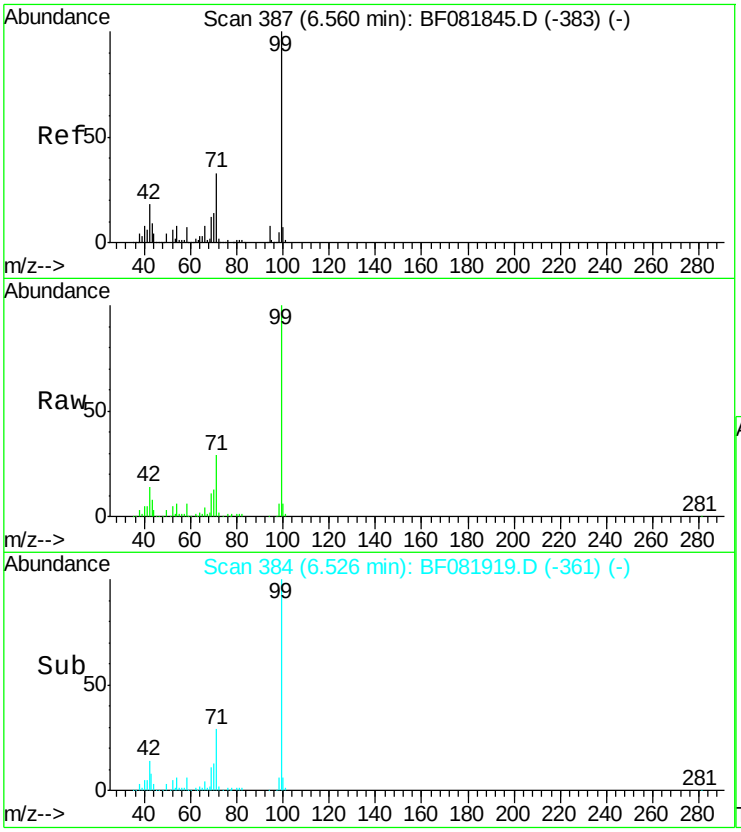


#5
2-Fluorophenol
Concen: 22.36 ng
RT: 5.49 min Scan# 293
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:112 Resp: 167945

Ion	Ratio	Lower	Upper
112	100		
64	67.1	39.7	59.5#
63	33.6	17.4	26.0#

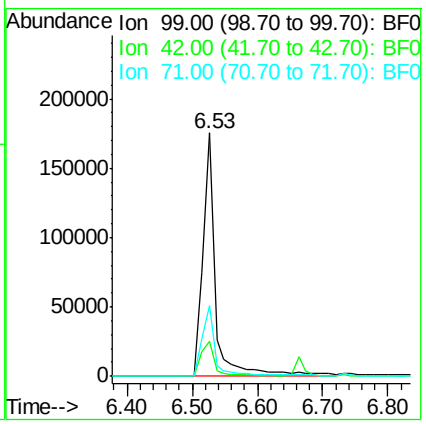




#7
Phenol-d6
Concen: 24.80 ng
RT: 6.53 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion: 99 Resp: 234404

Ion	Ratio	Lower	Upper
99	100		
42	14.4	13.7	20.5
71	29.1	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
S2-10DL

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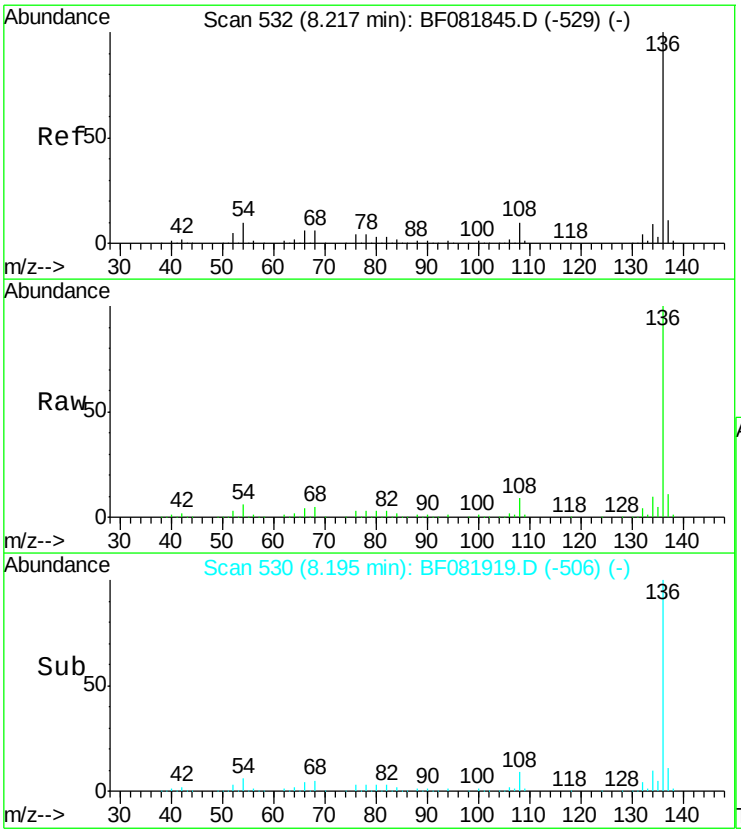
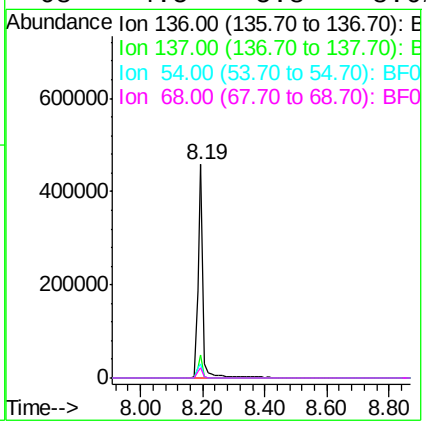
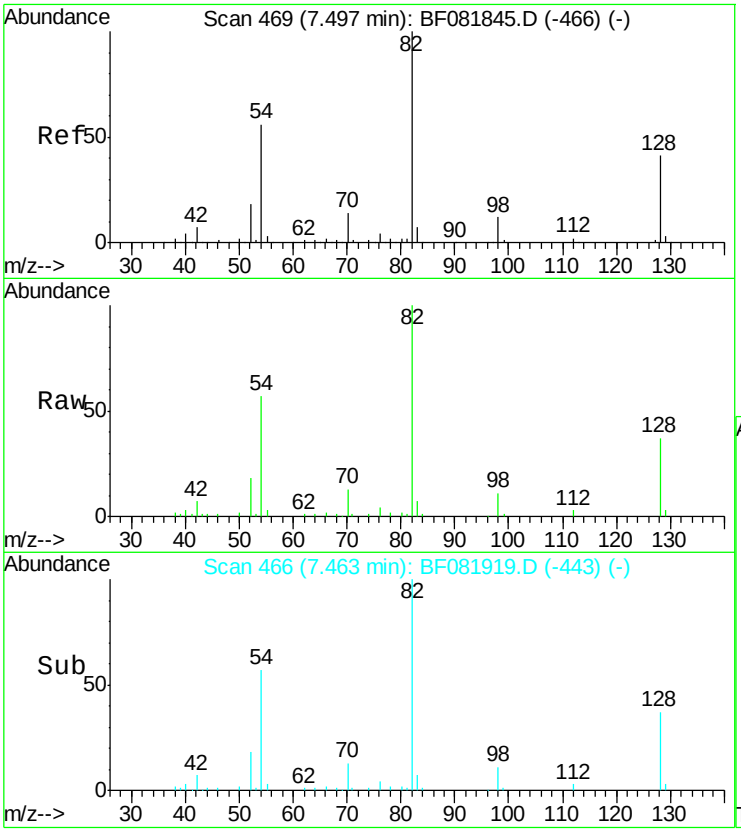


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:136 Resp: 523111

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	6.3	8.2	12.2#
68	4.5	5.8	8.6#

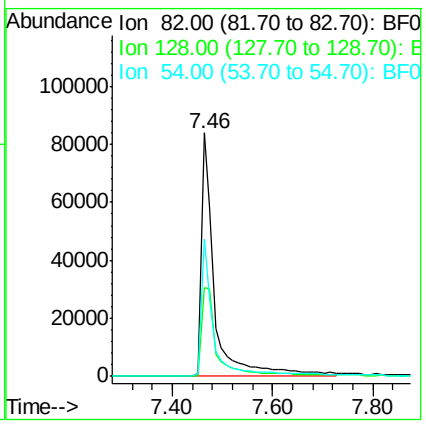




#23
Nitrobenzene-d5
Concen: 19.49 ng
RT: 7.46 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion: 82 Resp: 152909

Ion	Ratio	Lower	Upper
82	100		
128	36.5	51.0	76.6#
54	56.6	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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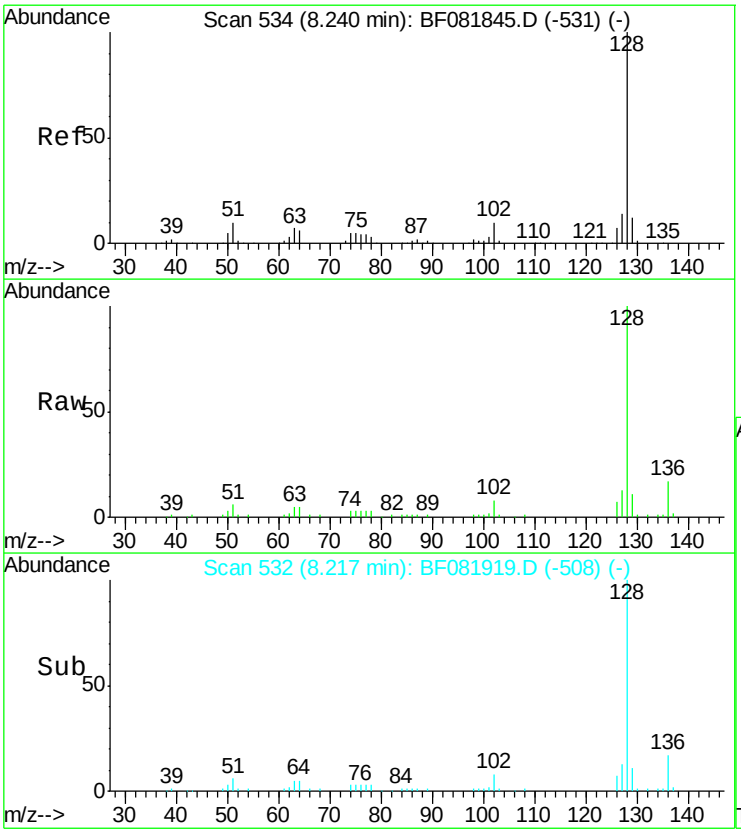
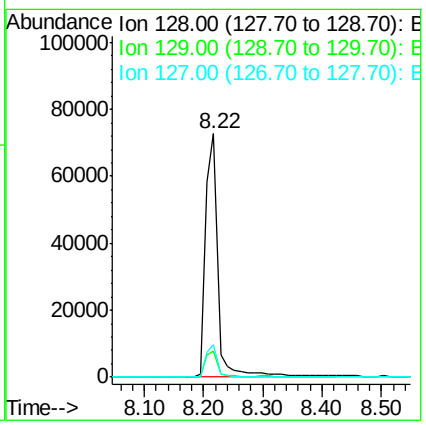
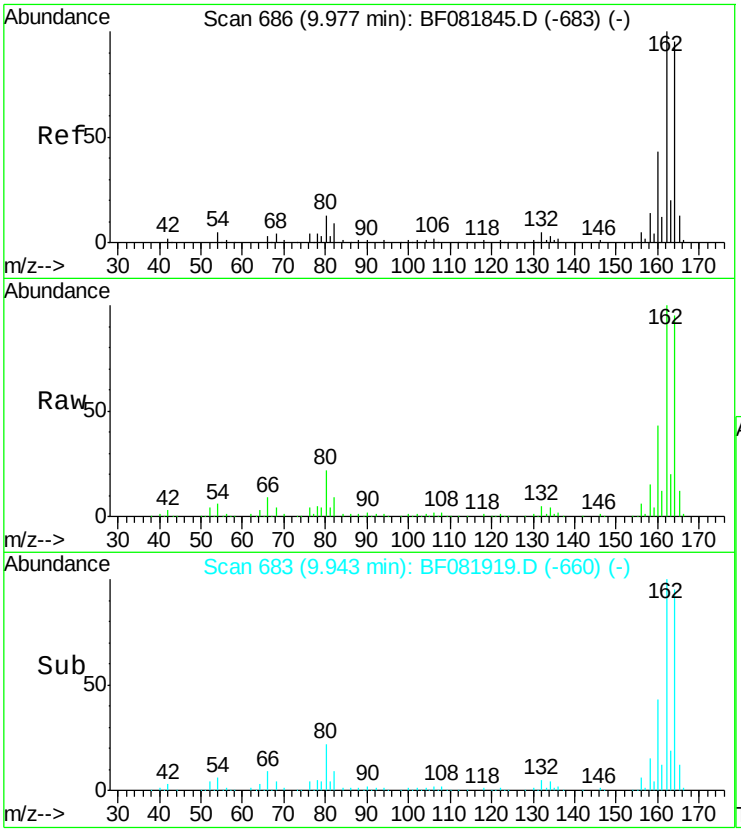


#31
Naphthalene
Concen: 4.61 ng
RT: 8.22 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:128 Resp: 106878

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.4	12.6
127	13.1	9.9	14.9

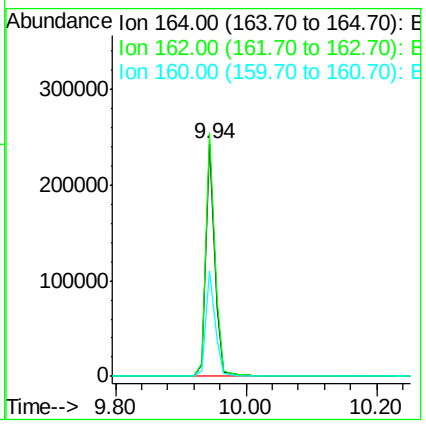




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:164 Resp: 236041

Ion	Ratio	Lower	Upper
164	100		
162	104.8	75.2	112.8
160	45.5	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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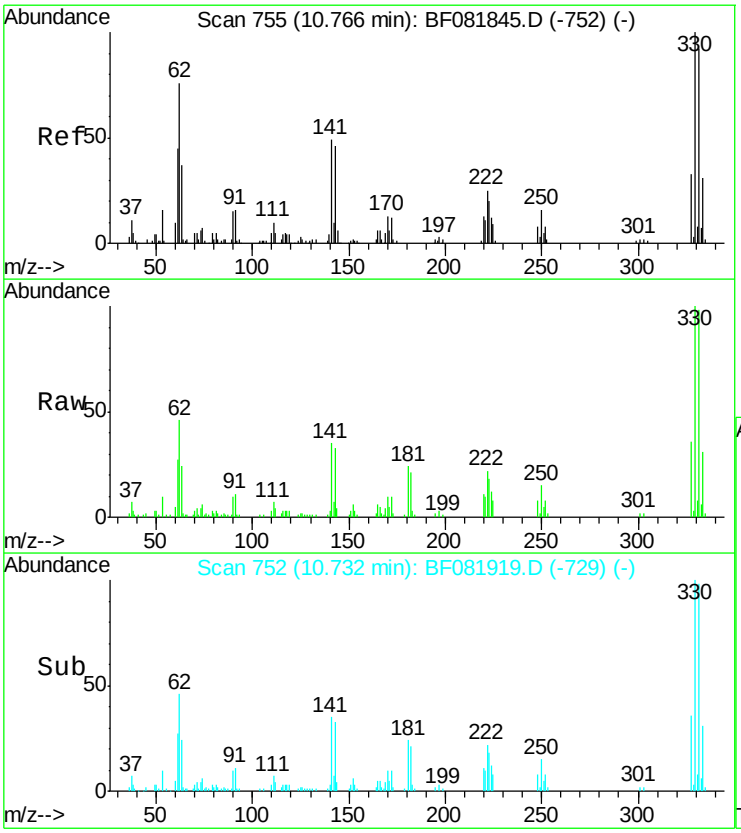
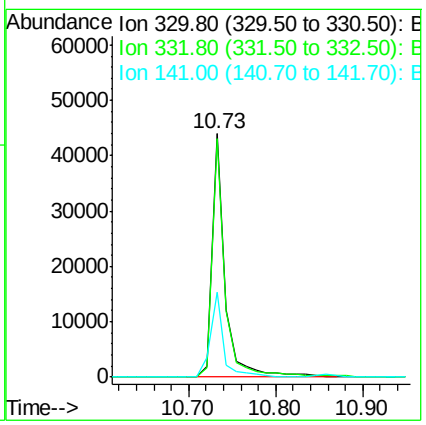
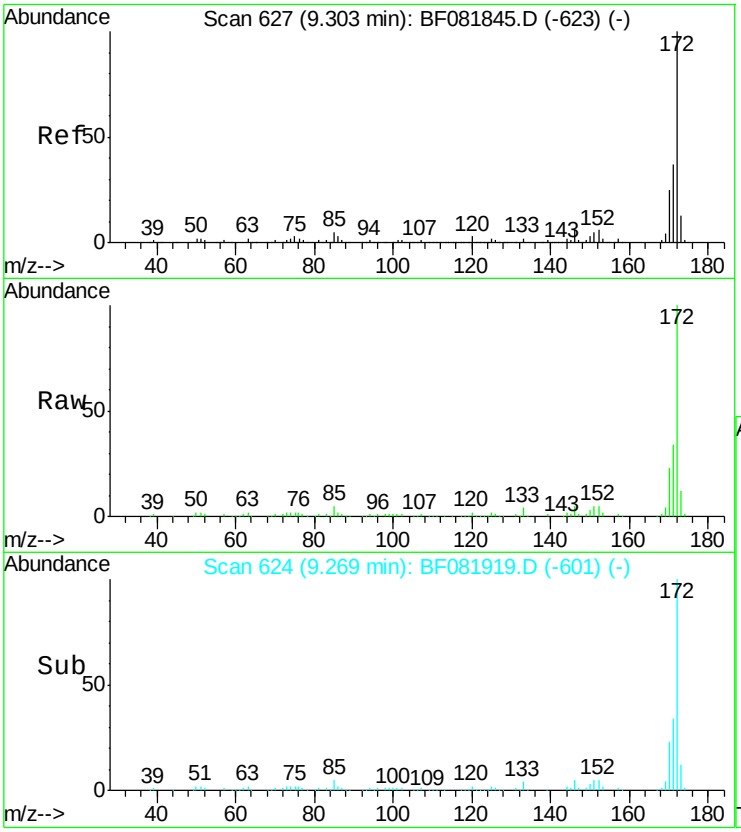


#41
2,4,6-Tribromophenol
Concen: 19.44 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:330 Resp: 46463

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	34.4	29.7	44.5

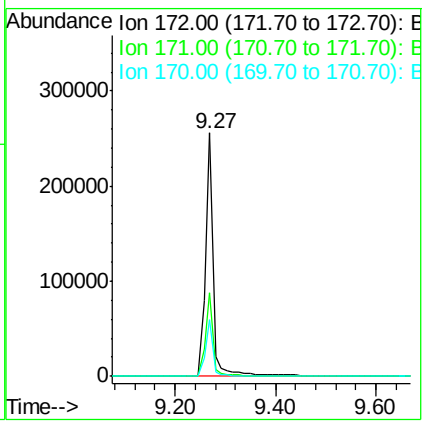




#44
2-Fluorobiphenyl
Concen: 16.38 ng
RT: 9.27 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:172 Resp: 278467

Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.1	39.1
170	23.1	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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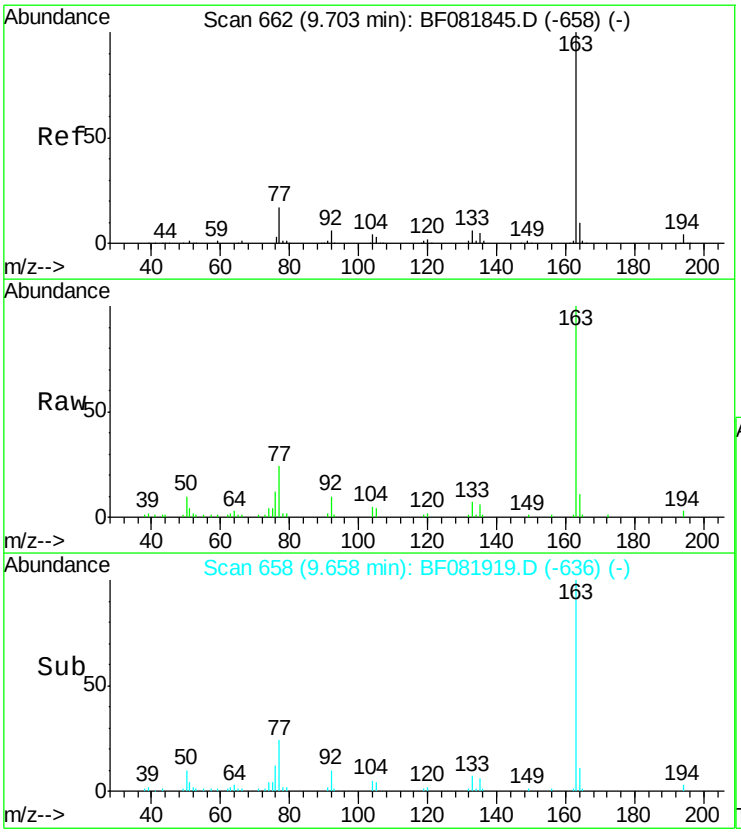
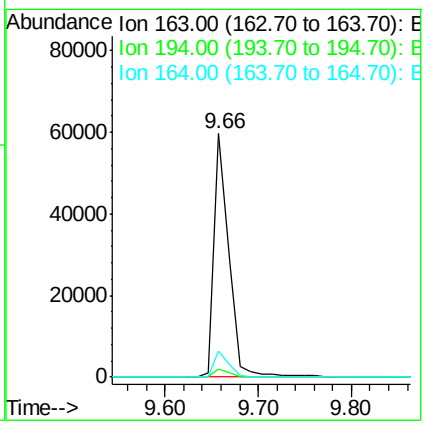
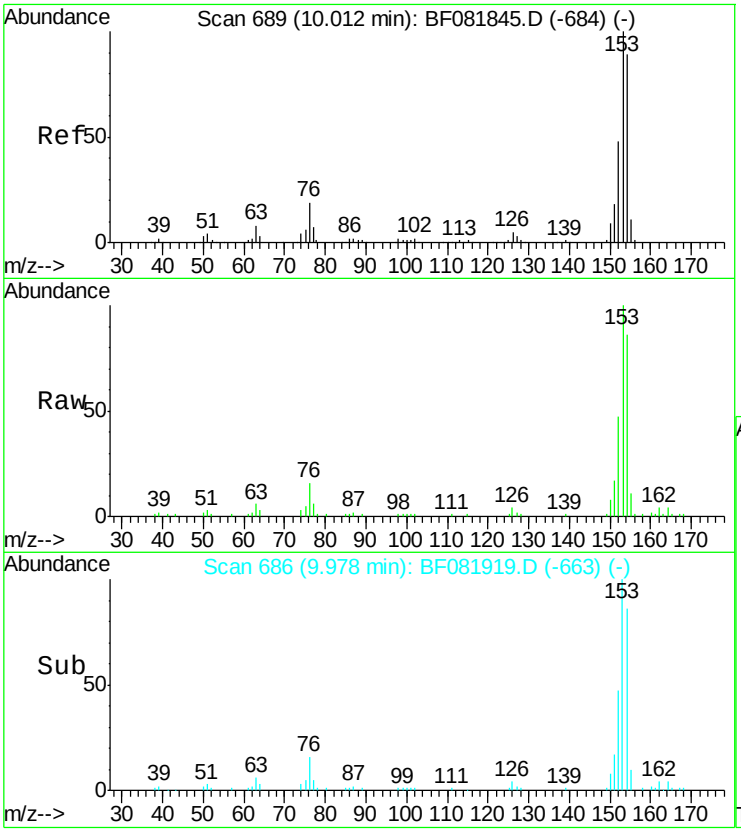


#49
Dimethylphthalate
Concen: 4.03 ng
RT: 9.66 min Scan# 658
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:163 Resp: 65628

Ion	Ratio	Lower	Upper
163	100		
194	3.1	4.4	6.6#
164	10.9	8.3	12.5

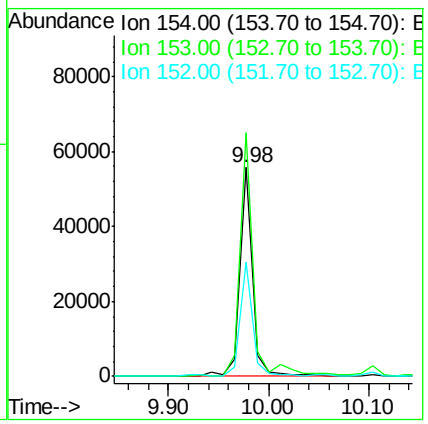




#51
Acenaphthene
Concen: 3.55 ng
RT: 9.98 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:154 Resp: 48282

Ion	Ratio	Lower	Upper
154	100		
153	116.8	82.1	123.1
152	54.7	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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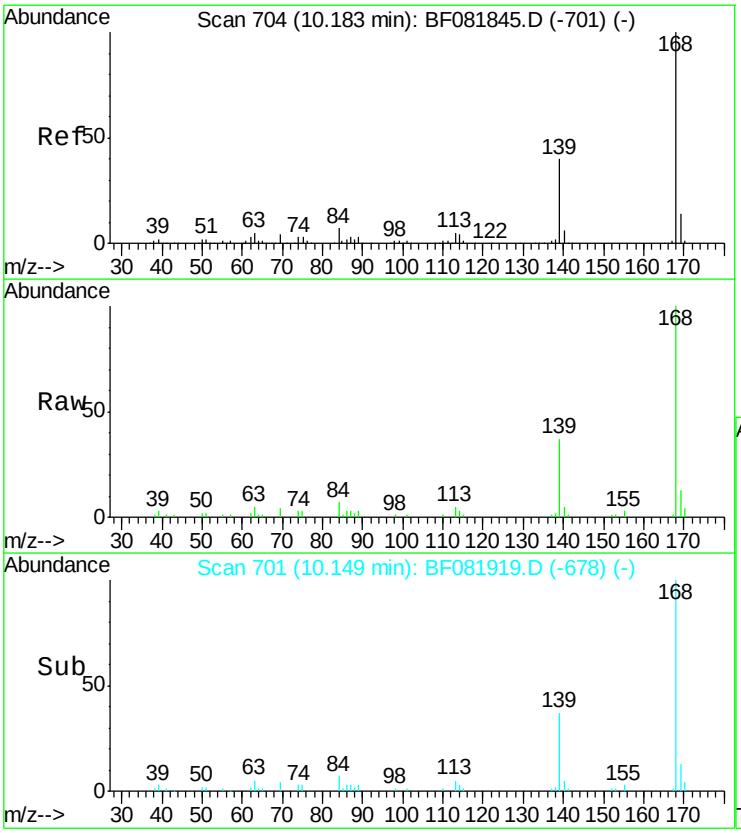
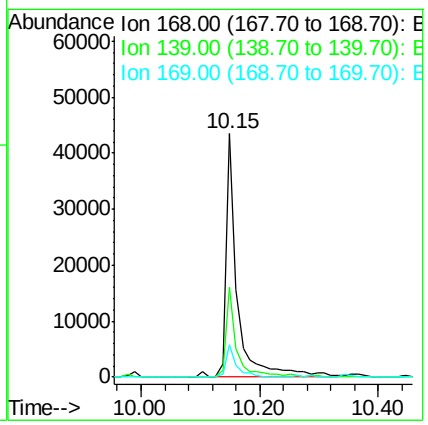
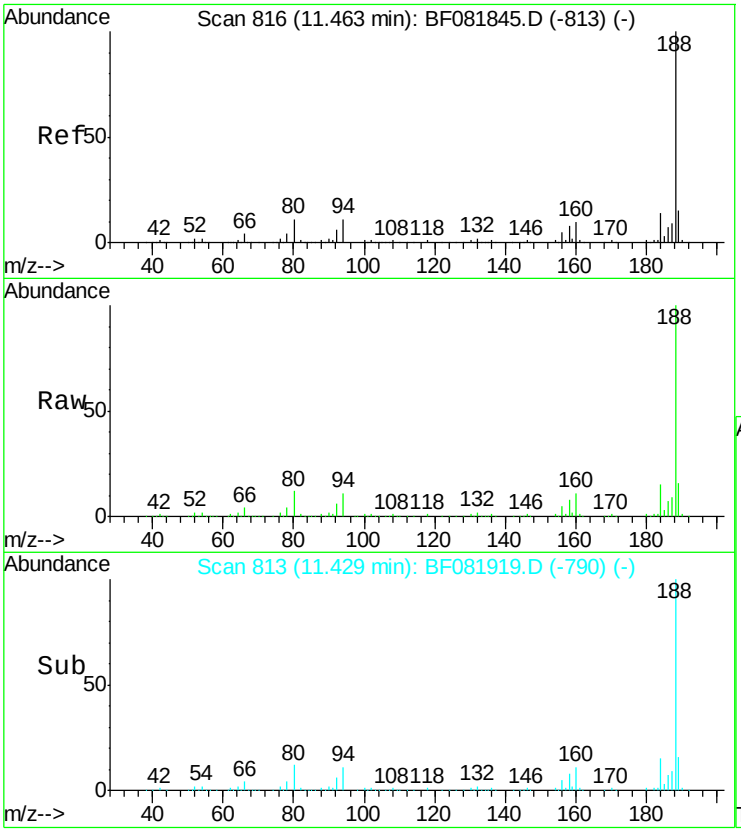


#54
Dibenzofuran
Concen: 3.03 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:168 Resp: 58155

Ion	Ratio	Lower	Upper
168	100		
139	36.7	24.2	36.2#
169	13.3	10.6	15.8

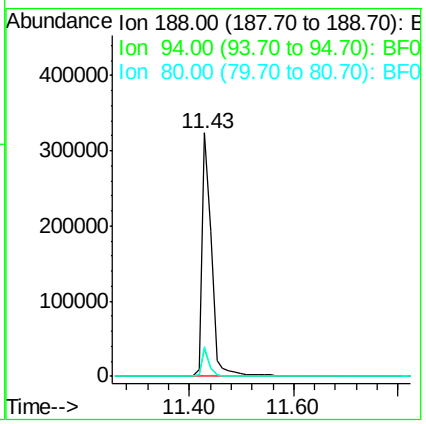




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:188 Resp: 408556

Ion	Ratio	Lower	Upper
188	100		
94	11.2	11.1	16.7
80	12.0	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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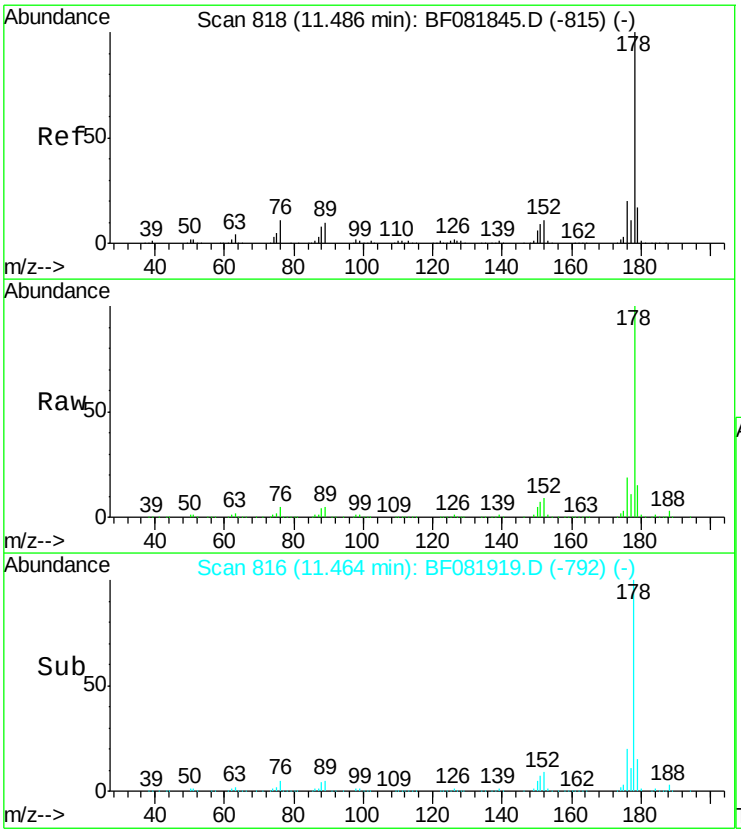
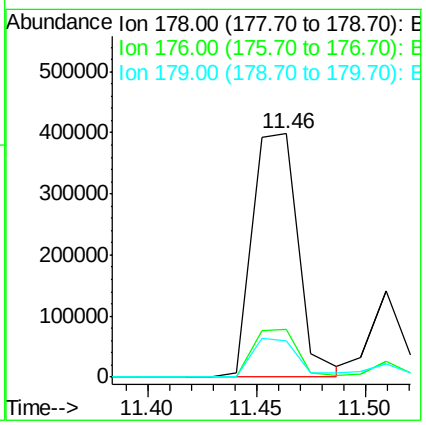
10/1/2015 2:23:52 PM

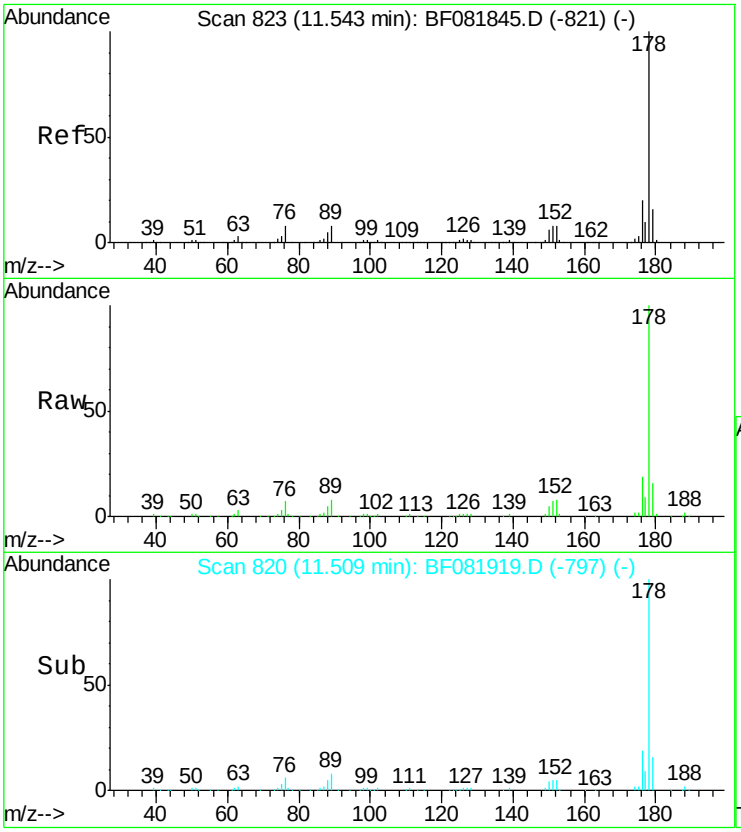


#70
Phenanthrene
Concen: 29.29 ng
RT: 11.46 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:178 Resp: 587400

Ion	Ratio	Lower	Upper
178	100		
176	19.5	13.8	20.8
179	14.9	12.2	18.2

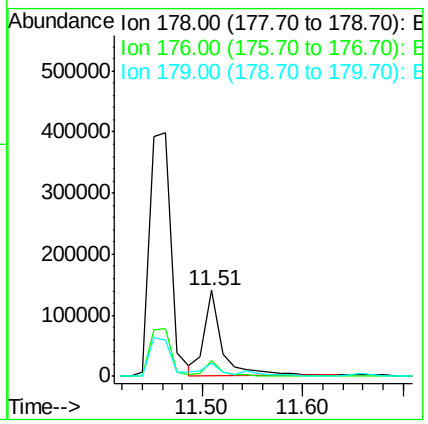




#71
Anthracene
Concen: 8.38 ng
RT: 11.51 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:178 Resp: 173960

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.1	21.1
179	15.9	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
S2-10DL

Manual Integrations APPROVED
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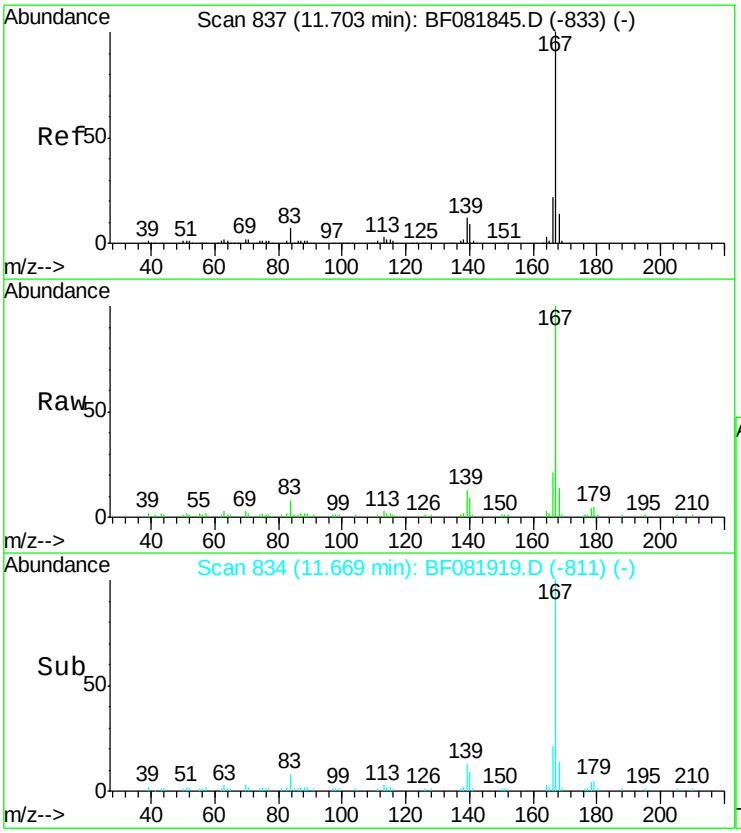
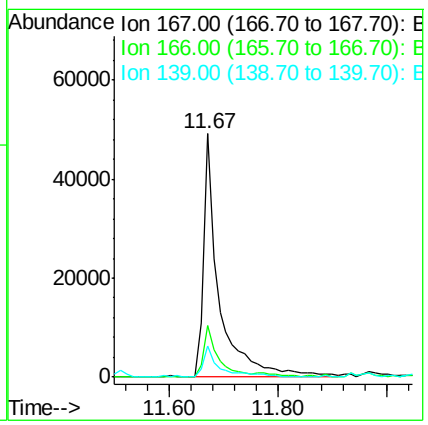
10/1/2015 2:23:52 PM

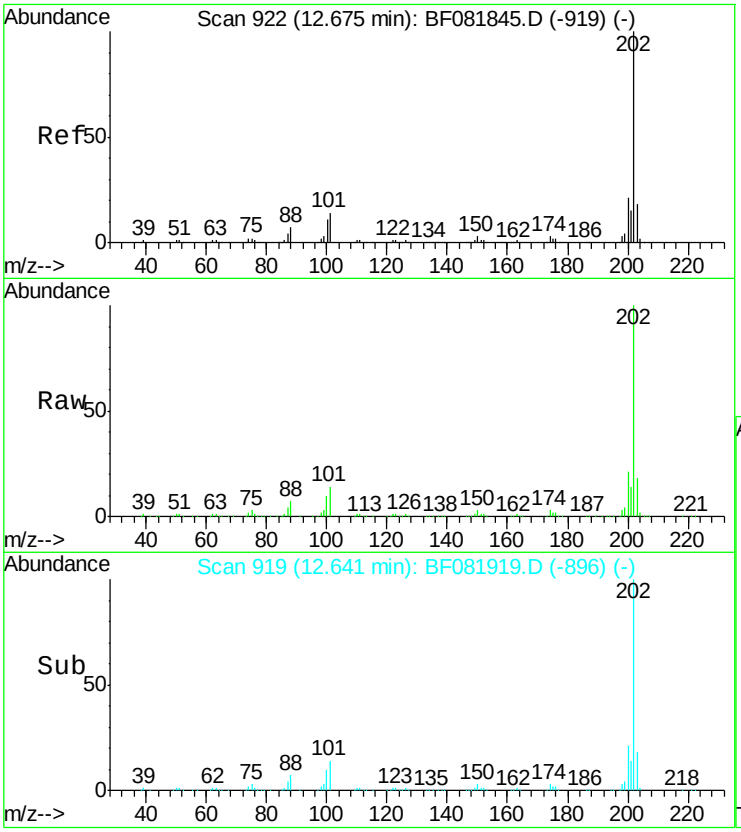


#72
Carbazole
Concen: 5.18 ng
RT: 11.67 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:167 Resp: 97357

Ion	Ratio	Lower	Upper
167	100		
166	21.1	15.7	23.5
139	13.0	9.5	14.3

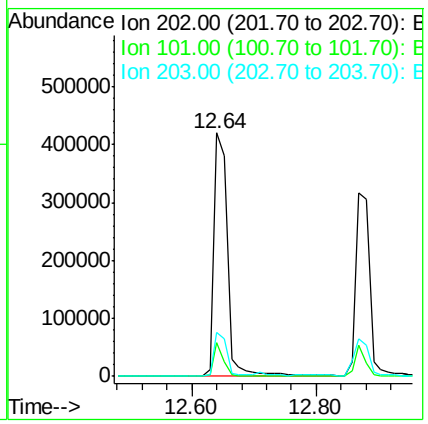




#74
Fluoranthene
Concen: 28.73 ng
RT: 12.64 min Scan# 919
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:202 Resp: 628846

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	38.3
203	18.1	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
S2-10DL

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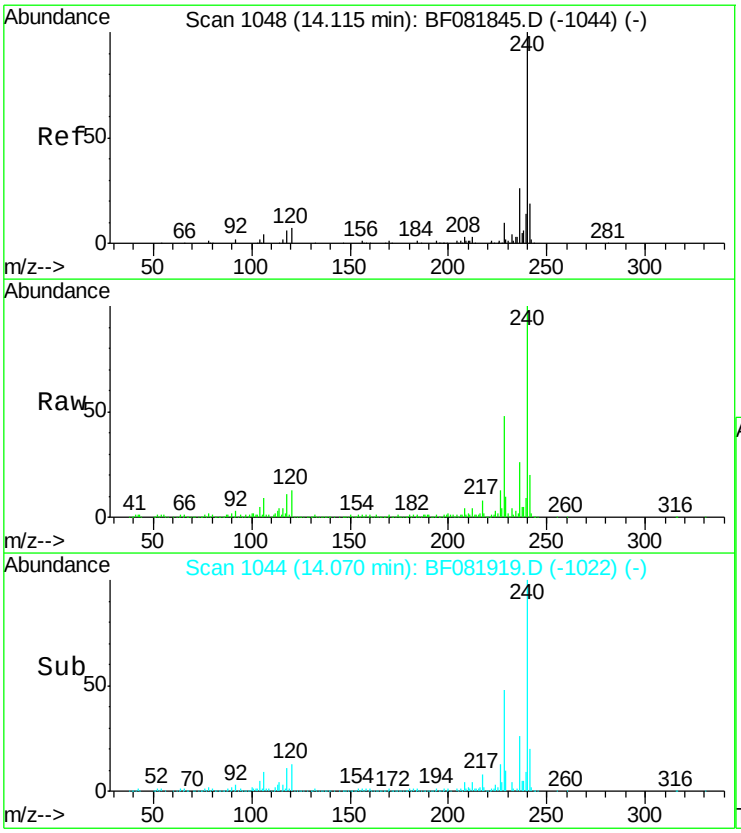
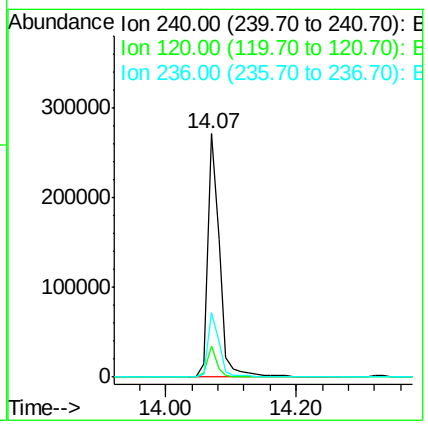
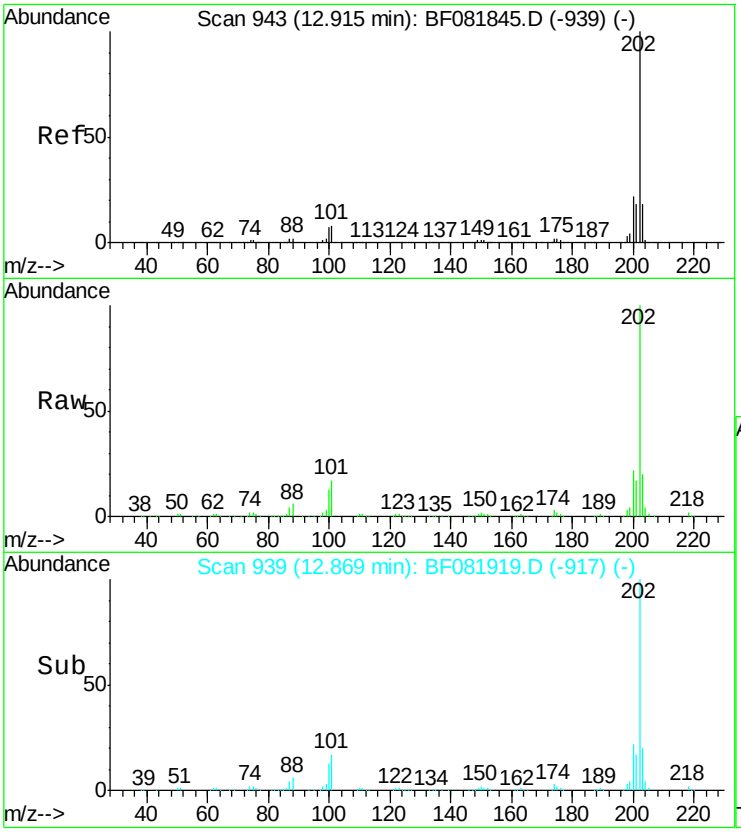


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:240 Resp: 340171

Ion	Ratio	Lower	Upper
240	100		
120	12.8	16.2	24.2#
236	26.3	18.4	27.6

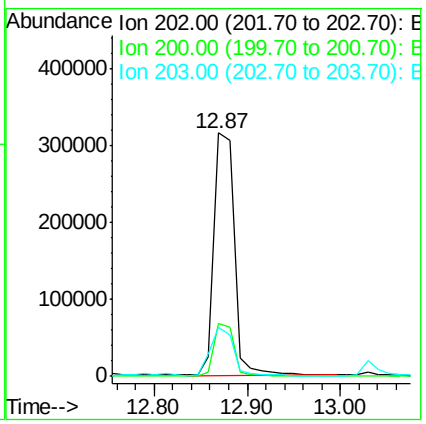




#77
Pyrene
Concen: 23.49 ng
RT: 12.87 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:202 Resp: 477441

Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.0	22.4
203	20.3	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
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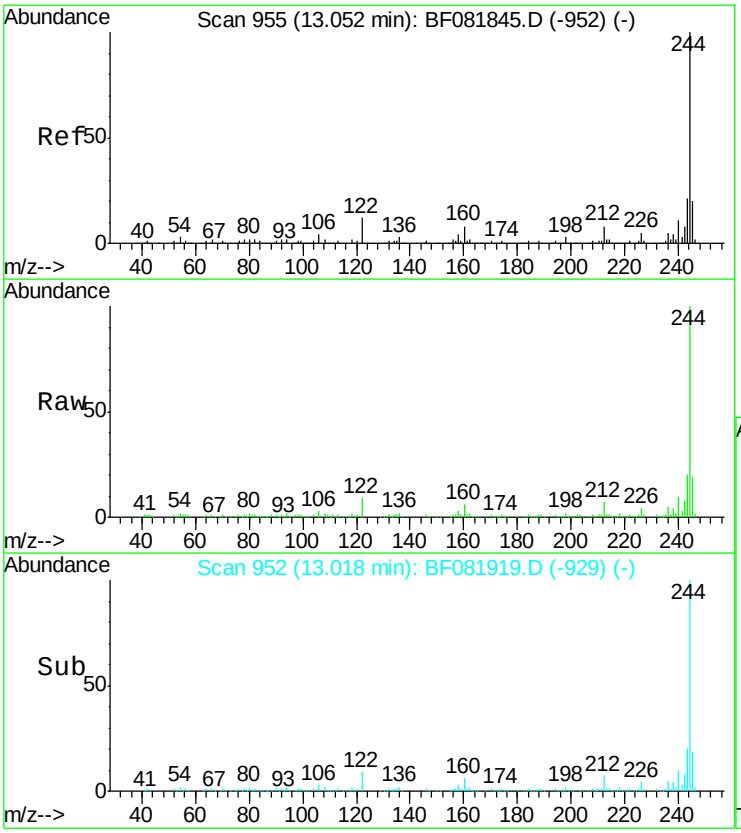
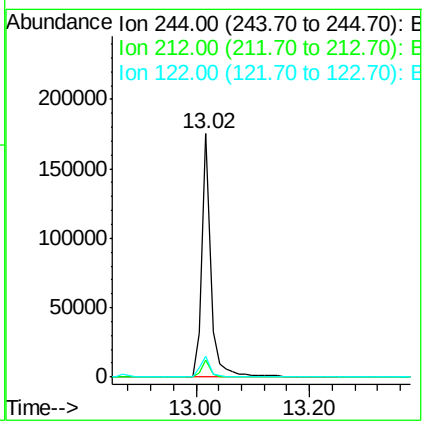
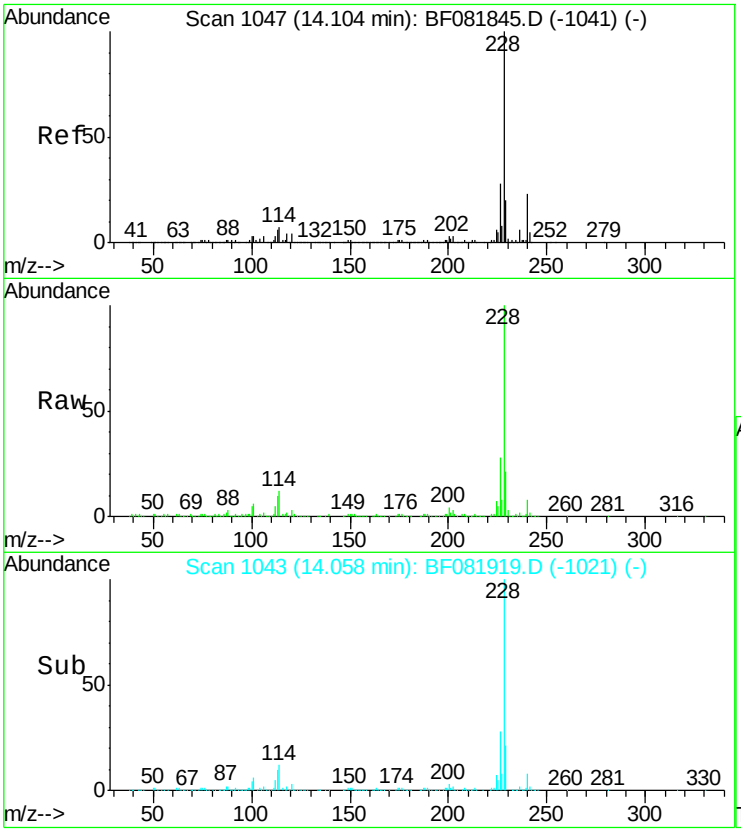


#78
Terphenyl-d14
Concen: 12.99 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:244 Resp: 186879

Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	8.6	17.4	26.2#

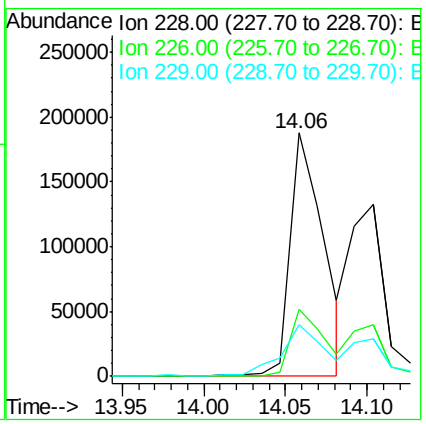




#80
Benzo(a)anthracene
Concen: 14.60 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:228 Resp: 267384

Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.0	30.0
229	21.3	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
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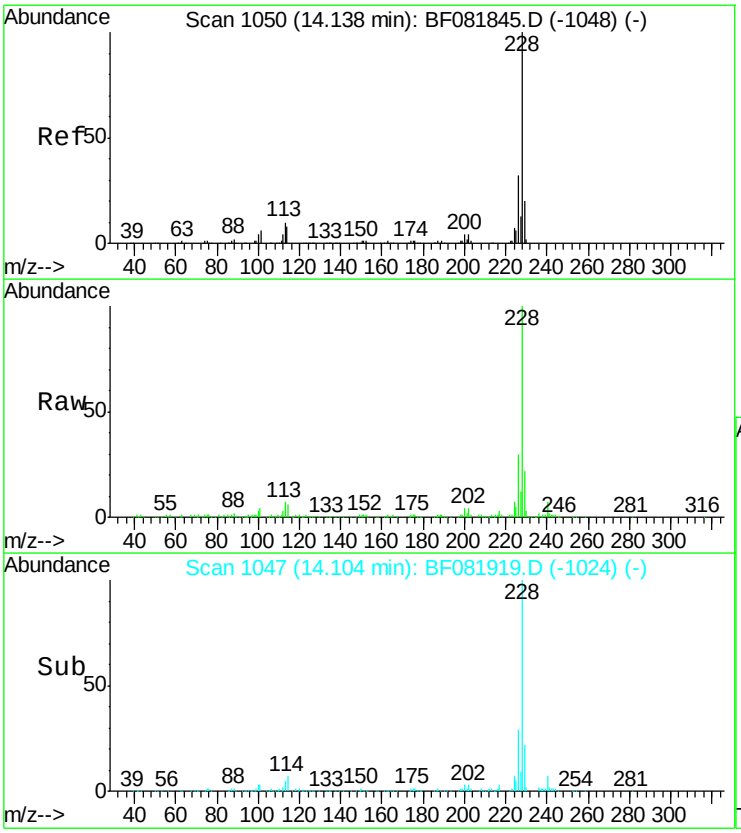
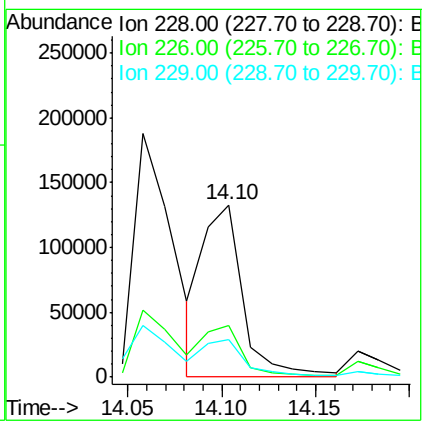
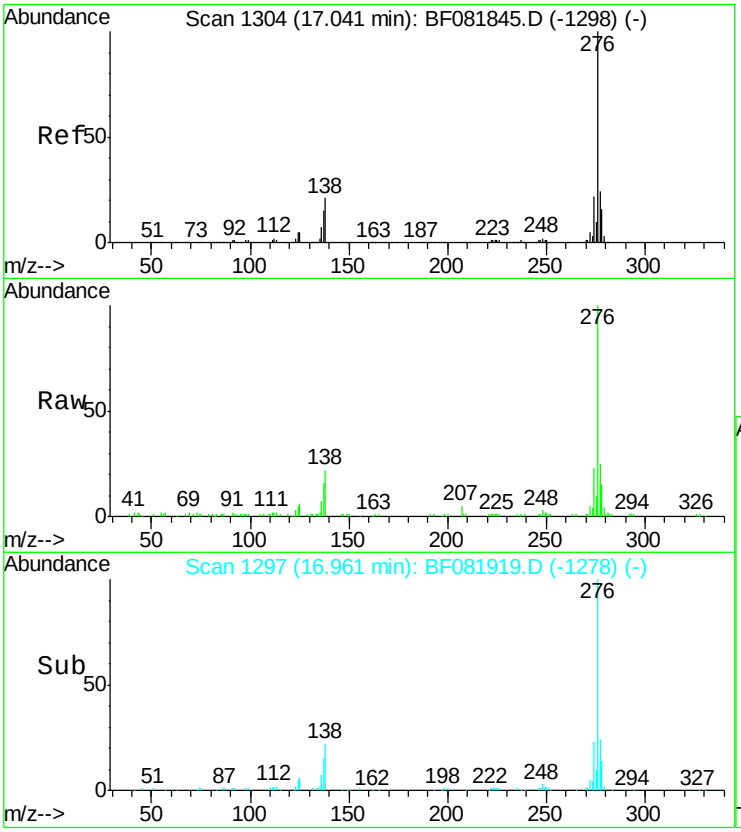


#82
Chrysene
Concen: 9.67 ng m
RT: 14.10 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:228 Resp: 202776

Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.0	31.4
229	21.9	15.6	23.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 10.86 ng
RT: 16.96 min Scan# 1297
Delta R.T. -0.08 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:276 Resp: 155601

Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.7	38.5#
277	23.1	15.6	23.4

Instrument :
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ClientSampleId :
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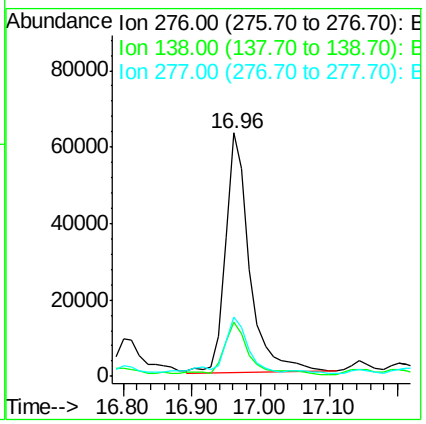
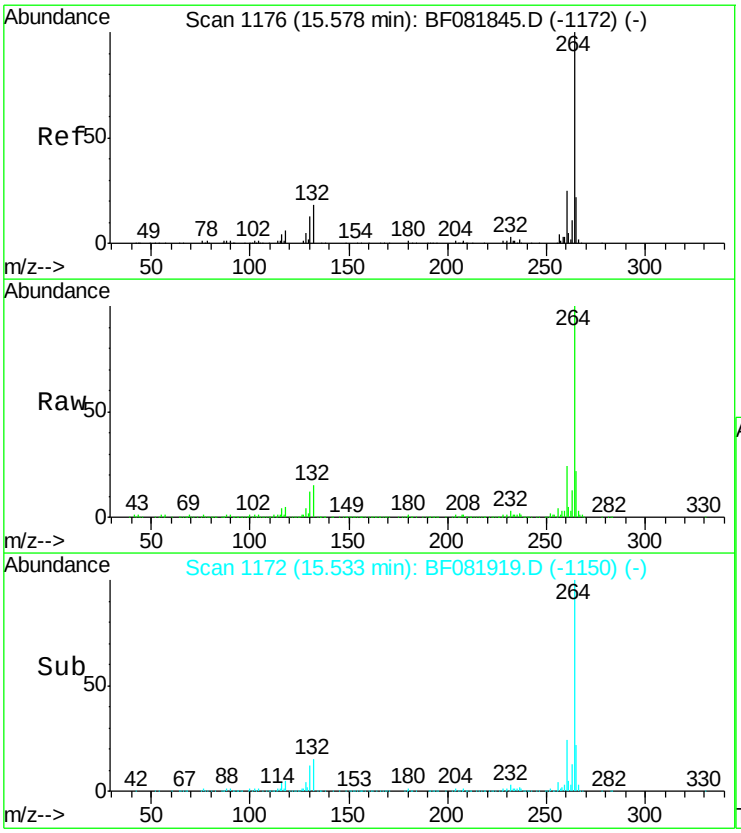
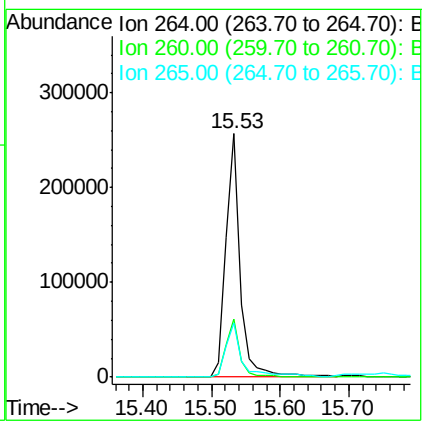


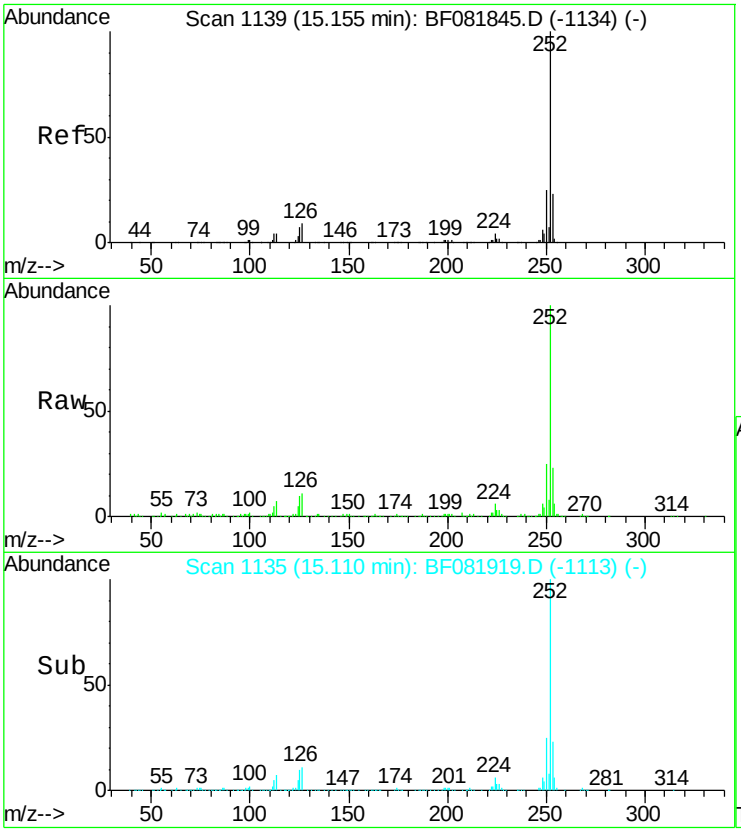


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:264 Resp: 379553

Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	22.1	17.2	25.8

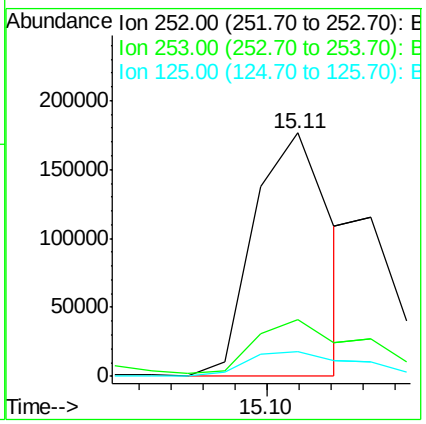




#87
Benzo(b)fluoranthene
Concen: 13.73 ng m
RT: 15.11 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:252 Resp: 297538

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.3	17.1	25.7#



Instrument :
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ClientSampleId :
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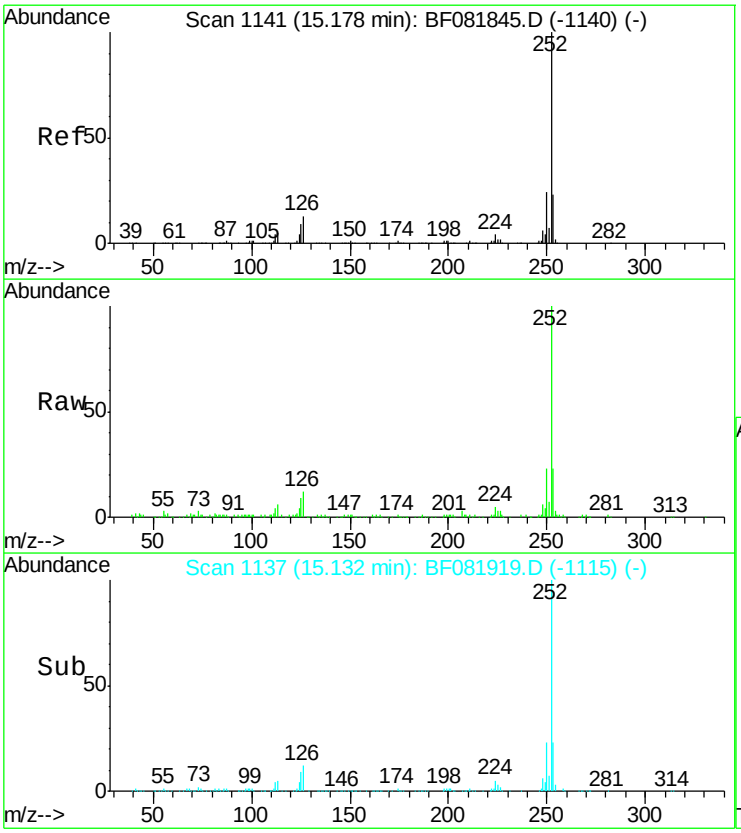
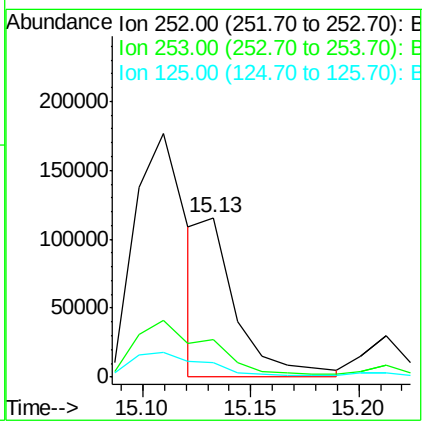
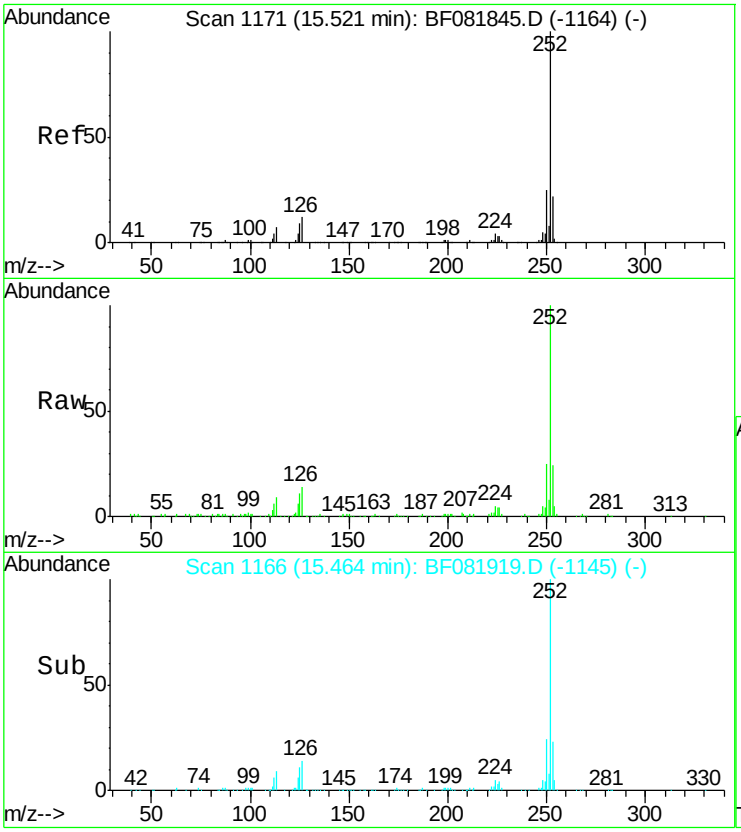


#88
Benzo(k)fluoranthene
Concen: 6.60 ng m
RT: 15.13 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:252 Resp: 131065

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	9.3	16.0	24.0#





#89
Benzo(a)pyrene
Concen: 11.45 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.06 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:252 Resp: 215310

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	10.9	18.0	27.0#

Instrument :
BNA_F
ClientSampleId :
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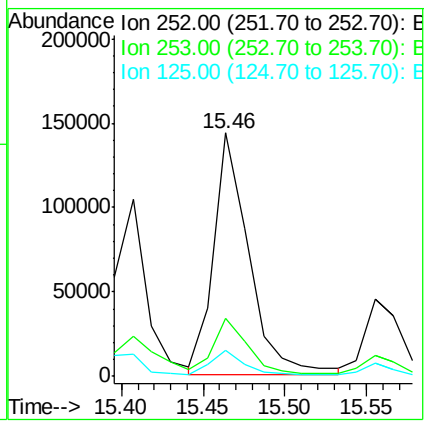
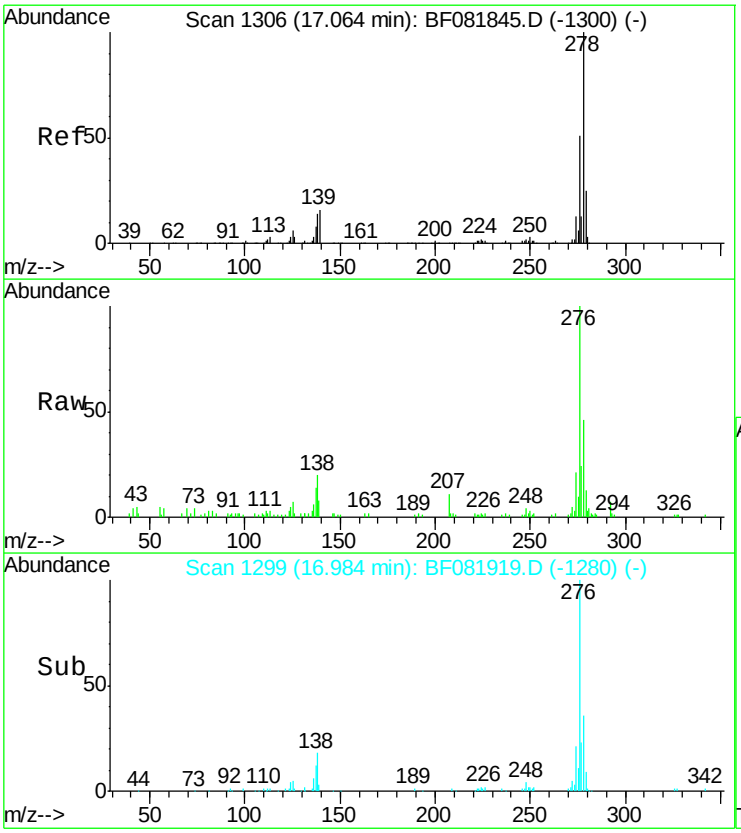
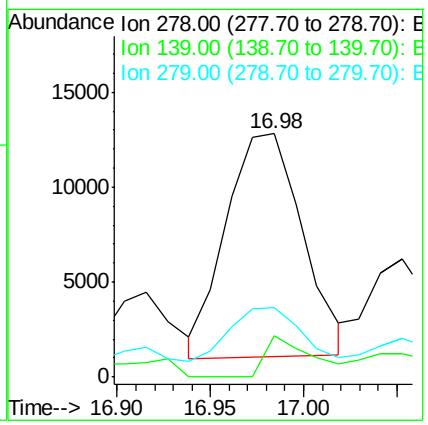


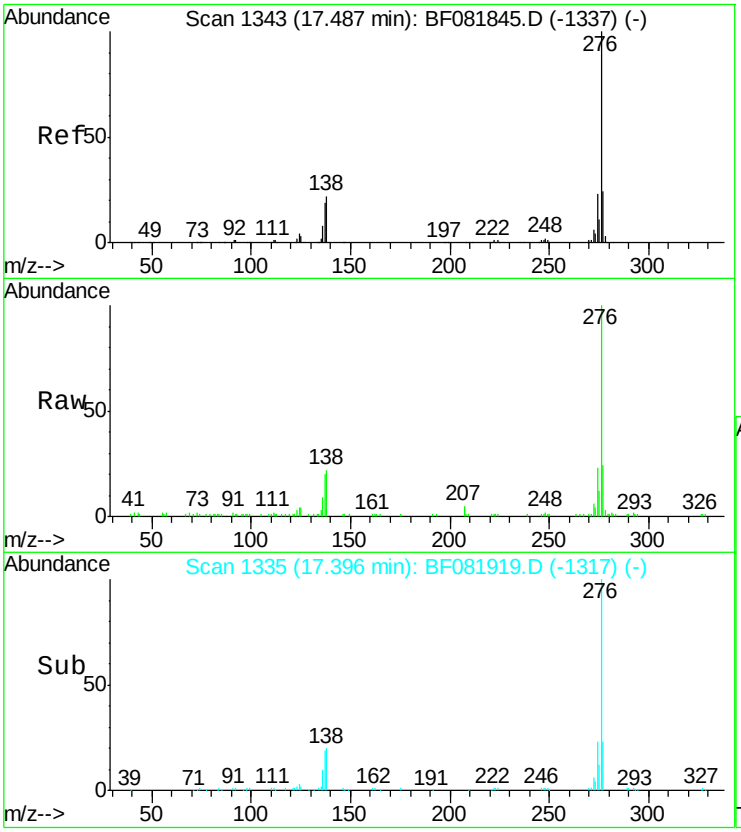


#90
Dibenzo(a,h)anthracene
Concen: 2.12 ng
RT: 16.98 min Scan# 1299
Delta R.T. -0.08 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:278 Resp: 33493

Ion	Ratio	Lower	Upper
278	100		
139	17.0	26.3	39.5#
279	28.4	18.2	27.4#

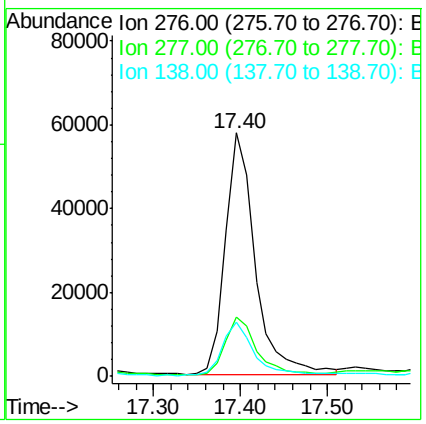




#91
Benzo(g,h,i)perylene
Concen: 8.50 ng
RT: 17.40 min Scan# 1335
Delta R.T. -0.09 min
Lab File: BF081919.D
Acq: 30 Sep 2015 23:52

Tgt Ion:276 Resp: 137389

Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.8	26.6
138	22.5	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
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