Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081921.D
Acq On : 1 Oct 2015 00:53
Operator : UM/IZ
Sample : G3866-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E5WC-1(6-12)

Manual Integrations APPROVED
MMDadoda
10/1/2015 2:24:04 PM

Quant Time: Oct 01 08:44:43 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	109516	20.00	ng		-0.03
21) Naphthalene-d8	8.19	136	416673	20.00	ng		-0.02
38) Acenaphthene-d10	9.94	164	194581	20.00	ng		-0.03
63) Phenanthrene-d10	11.44	188	323203	20.00	ng		-0.02
75) Chrysene-d12	14.08	240	244550	20.00	ng		-0.03
86) Perylene-d12	15.54	264	289502	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	412084	68.31	ng		-0.02
7) Phenol-d6	6.53	99	518374	68.28	ng		-0.03
23) Nitrobenzene-d5	7.47	82	312504	49.99	ng		-0.02
41) 2,4,6-Tribromophenol	10.73	330	119294	60.54	ng		-0.03
44) 2-Fluorobiphenyl	9.27	172	597260	47.03	ng		-0.03
78) Terphenyl-d14	13.02	244	375211	43.09	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.22	128	48284	2.62	ng		99
48) Acenaphthylene	9.81	152	333189	17.66	ng		97
49) Dimethylphthalate	9.66	163	138998	10.35	ng	#	97
51) Acenaphthene	9.98	154	31718	2.83	ng	#	87
54) Dibenzofuran	10.15	168	47806	3.02	ng	#	88
57) Fluorene	10.49	166	62099	3.52	ng		92
70) Phenanthrene	11.46	178	1225747m	80.11	ng		
71) Anthracene	11.51	178	333068	20.28	ng		98
72) Carbazole	11.67	167	189247	12.73	ng		97
74) Fluoranthene	12.65	202	1688931	97.55	ng		91
77) Pyrene	12.88	202	1697625	116.20	ng	#	93
80) Benzo(a)anthracene	14.07	228	1143024	86.80	ng	#	86
82) Chrysene	14.12	228	950491	Below Cal		#	90
85) Indeno(1,2,3-cd)pyrene	17.00	276	652128	63.30	ng	#	86
87) Benzo(b)fluoranthene	15.12	252	1150235m	69.59	ng		
88) Benzo(k)fluoranthene	15.13	252	578719m	38.20	ng		
89) Benzo(a)pyrene	15.49	252	941304	65.65	ng	#	85
90) Dibenzo(a,h)anthracene	17.01	278	143147m	11.90	ng		
91) Benzo(g,h,i)perylene	17.44	276	654587	53.10	ng	#	75

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

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BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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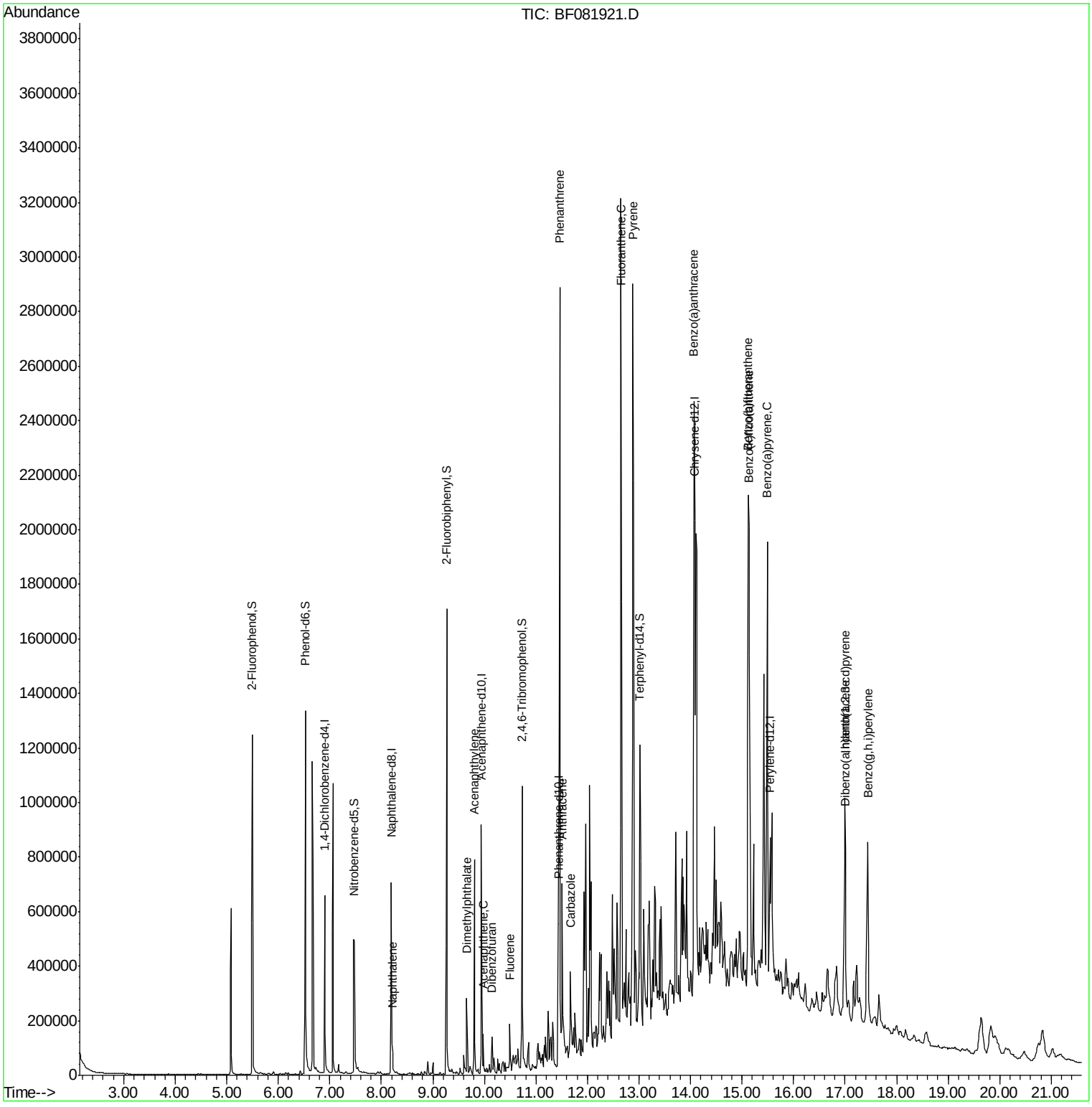
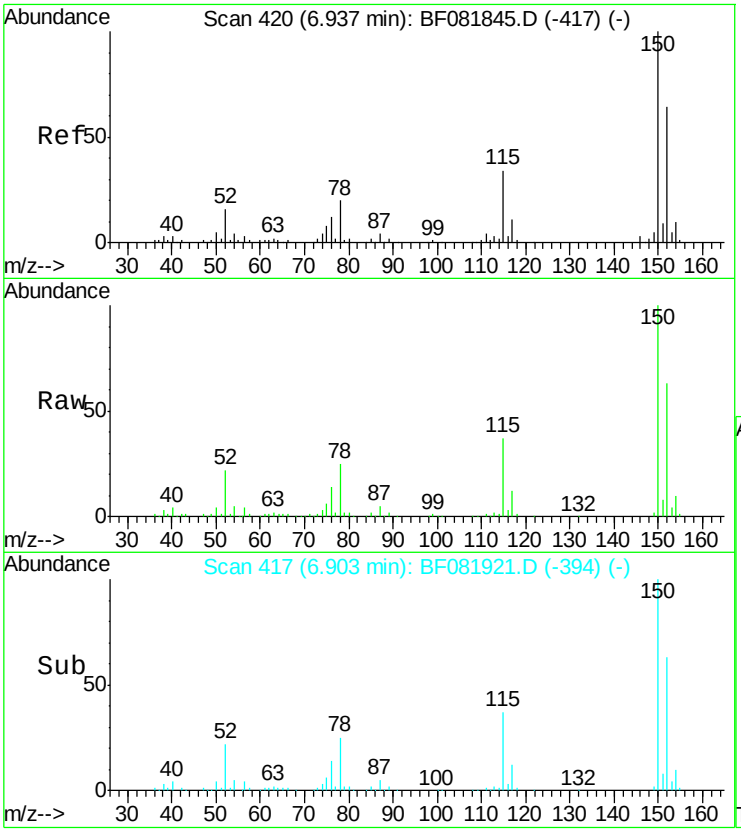
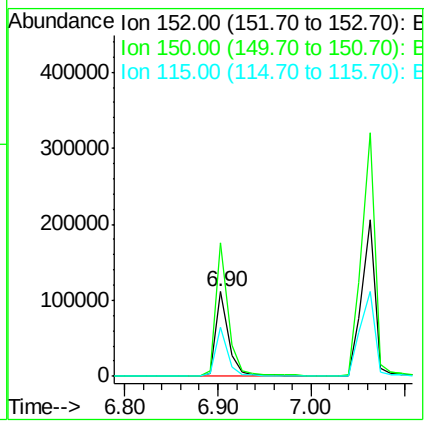




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:152 Resp: 109516

Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.7	187.1
115	57.9	39.0	58.4



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
MMDadoda
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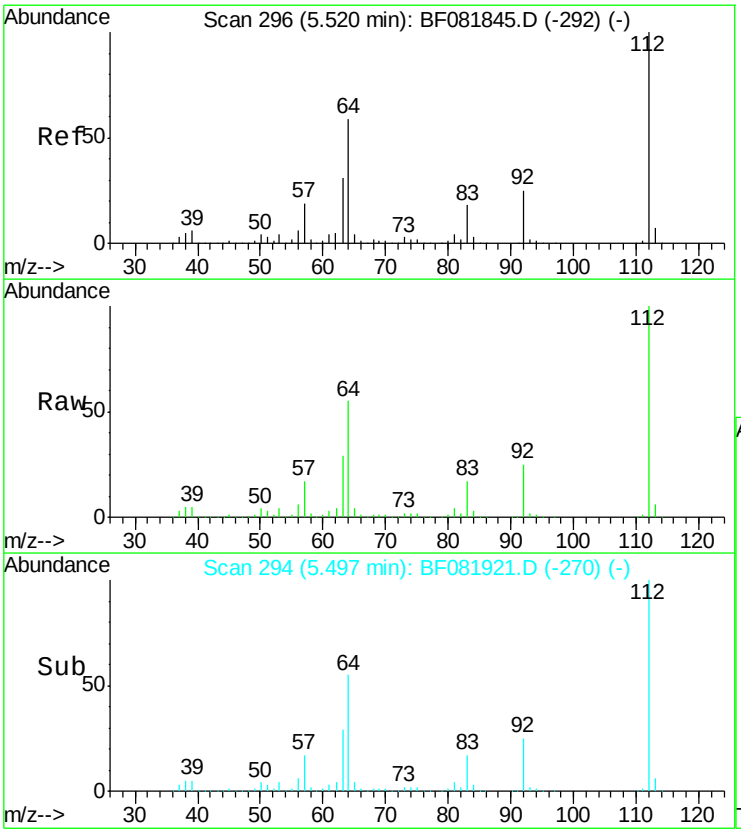
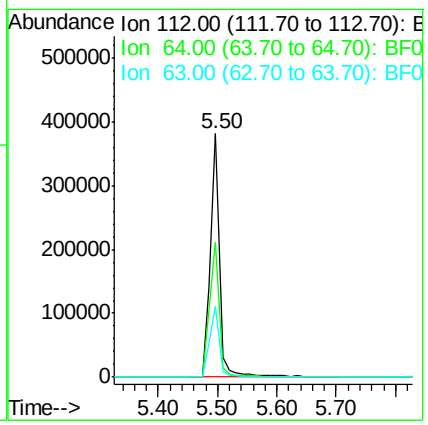
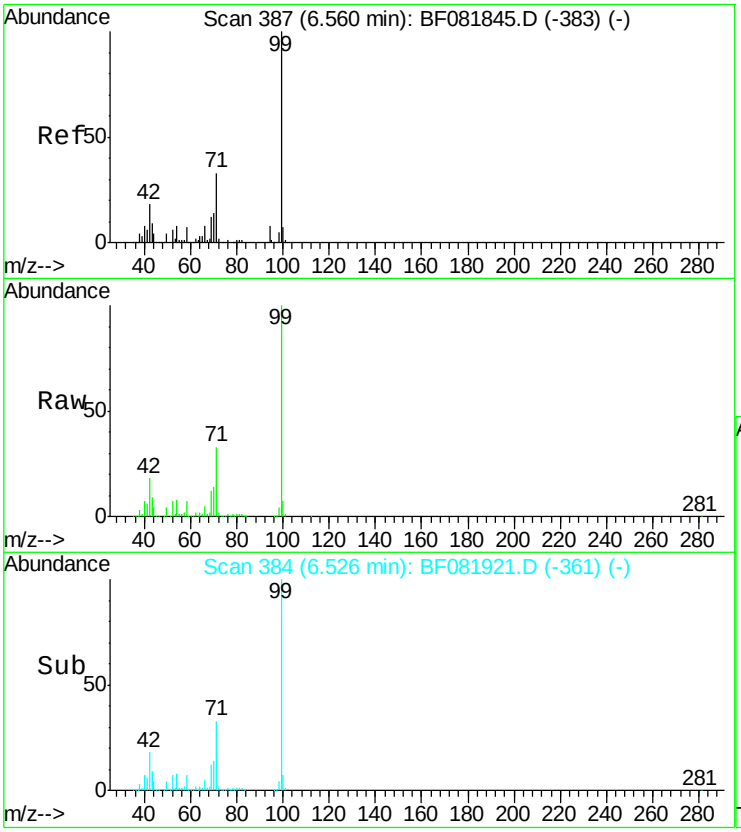


#5
2-Fluorophenol
Concen: 68.31 ng
RT: 5.50 min Scan# 294
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:112 Resp: 412084

Ion	Ratio	Lower	Upper
112	100		
64	55.3	39.7	59.5
63	28.9	17.4	26.0#

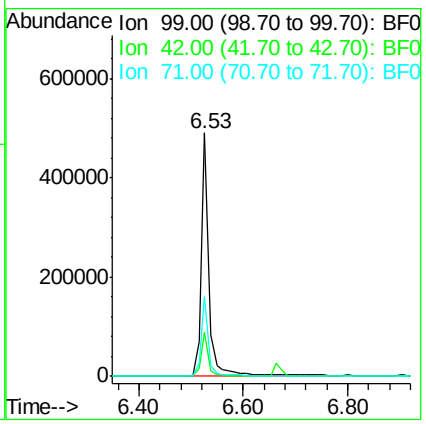




#7
Phenol-d6
Concen: 68.28 ng
RT: 6.53 min Scan# 384
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion: 99 Resp: 518374

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.7	20.5
71	32.8	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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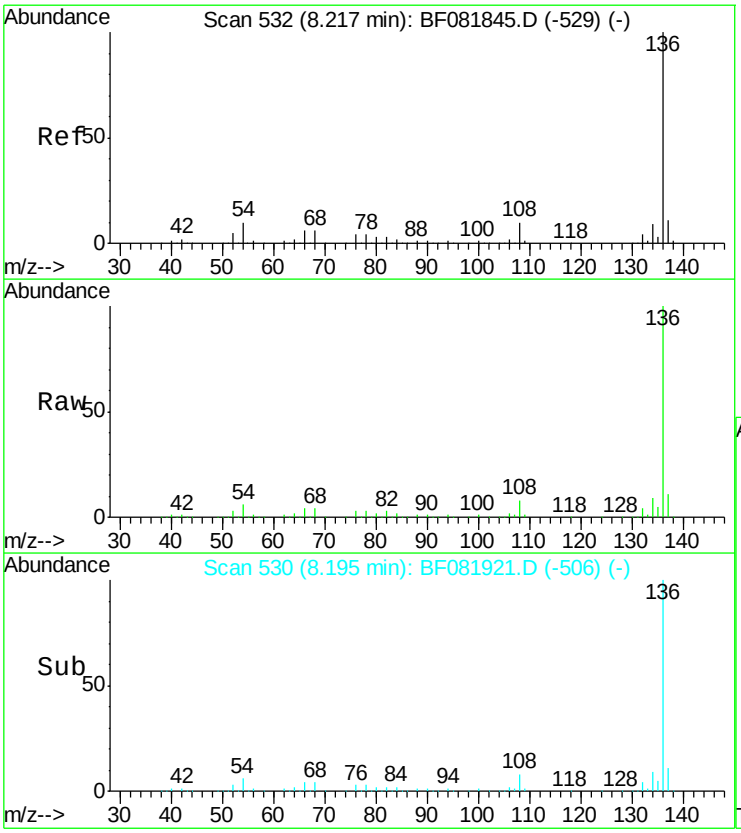
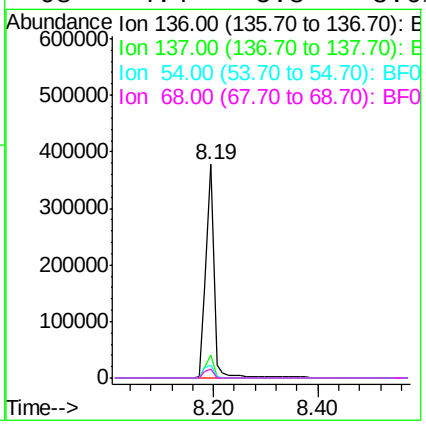
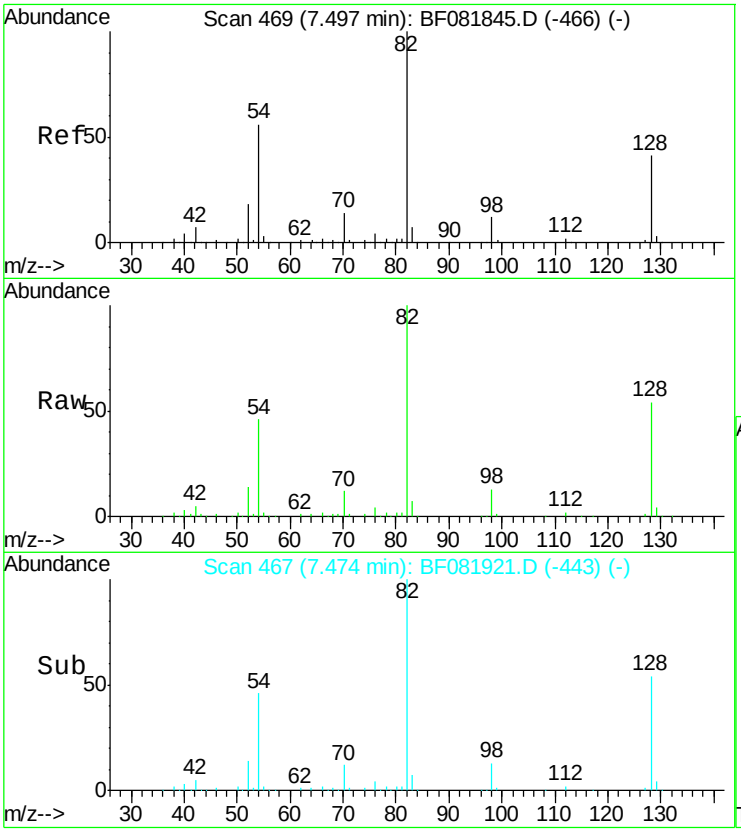


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:136 Resp: 416673

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	6.1	8.2	12.2#
68	4.4	5.8	8.6#

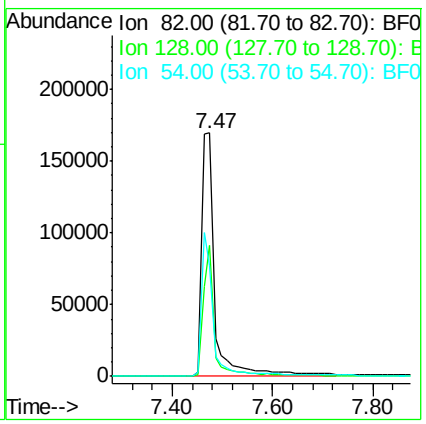




#23
Nitrobenzene-d5
Concen: 49.99 ng
RT: 7.47 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion: 82 Resp: 312504

Ion	Ratio	Lower	Upper
82	100		
128	53.6	51.0	76.6
54	45.6	47.5	71.3#



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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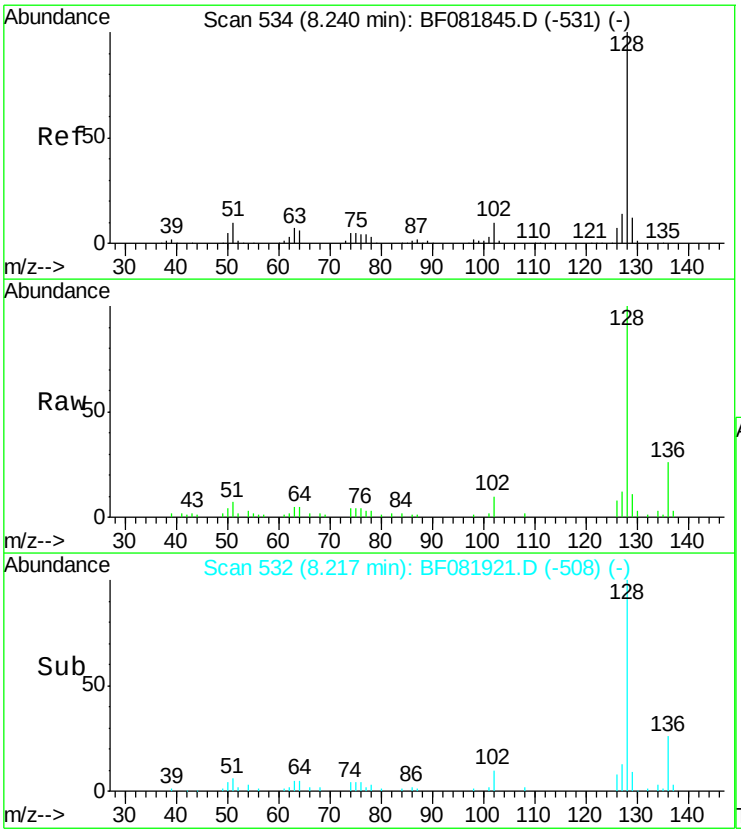
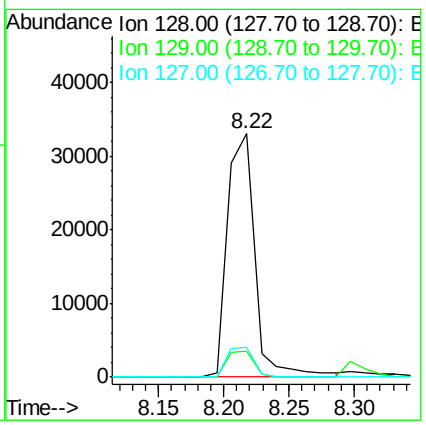
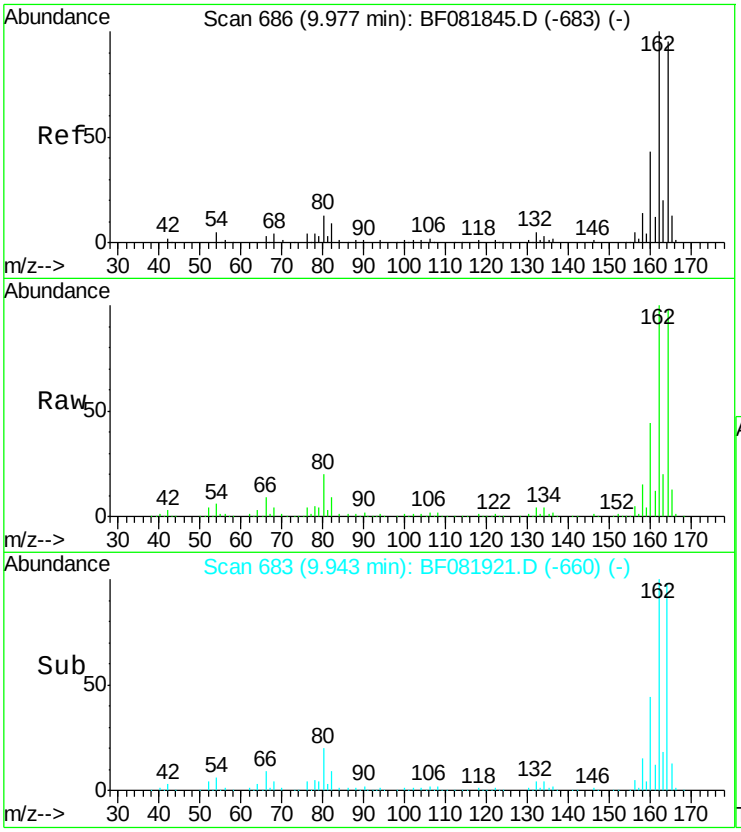


#31
Naphthalene
Concen: 2.62 ng
RT: 8.22 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:128 Resp: 48284

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	12.4	9.9	14.9

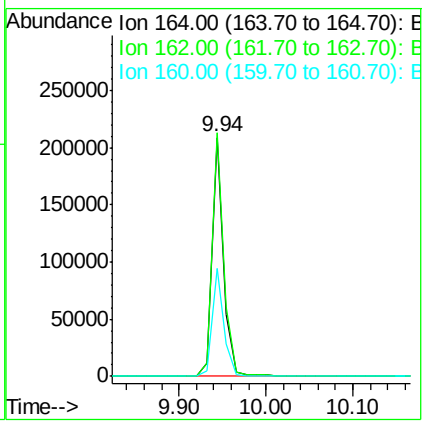




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:164 Resp: 194581

Ion	Ratio	Lower	Upper
164	100		
162	102.1	75.2	112.8
160	45.3	31.5	47.3



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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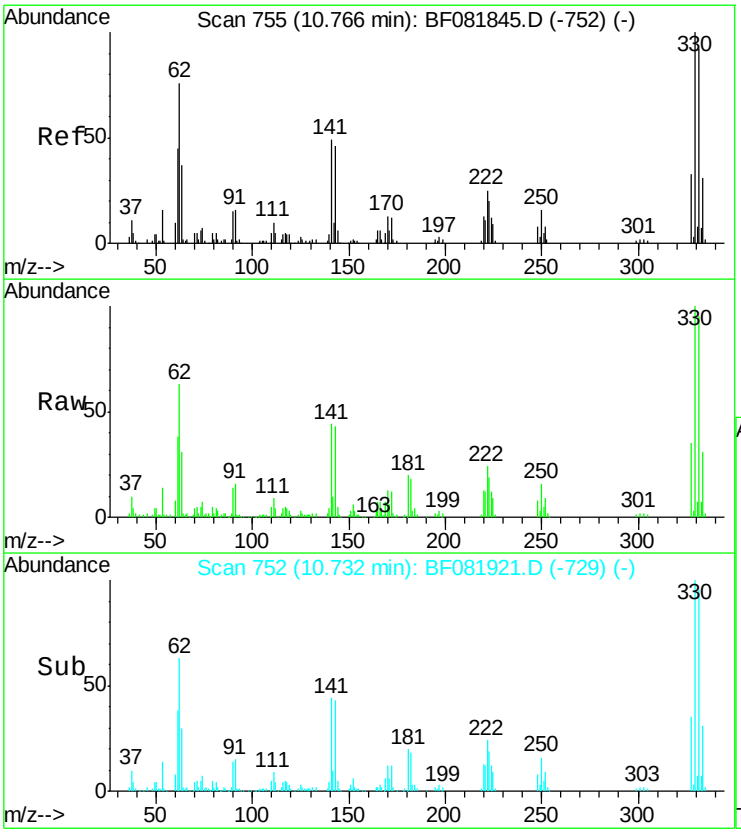
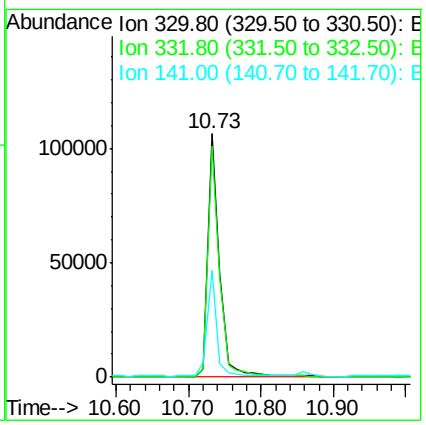
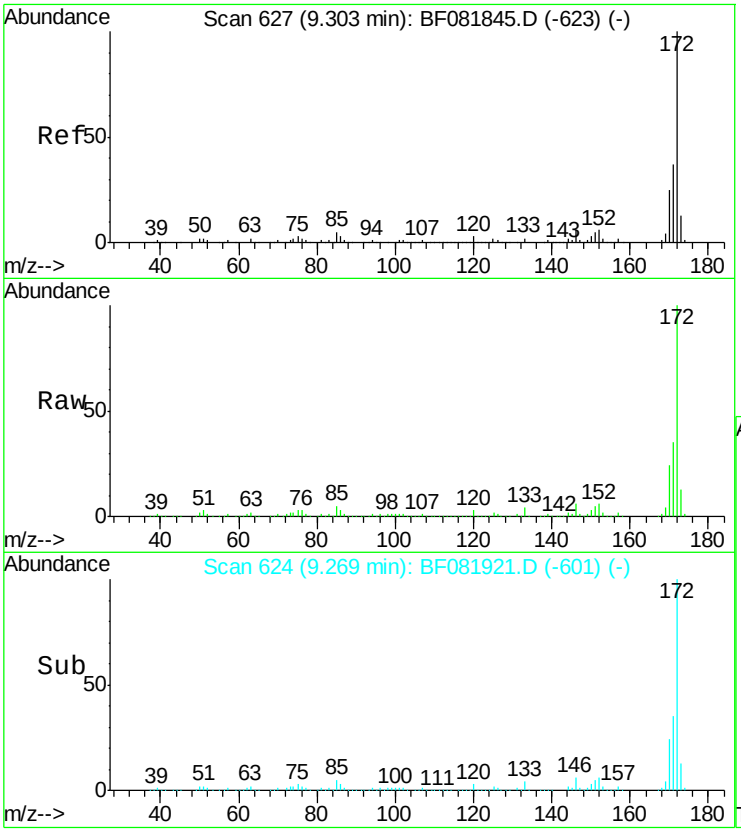


#41
2,4,6-Tribromophenol
Concen: 60.54 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:330 Resp: 119294

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	39.7	29.7	44.5

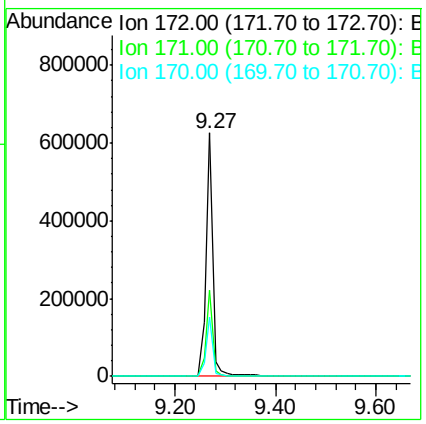




#44
2-Fluorobiphenyl
Concen: 47.03 ng
RT: 9.27 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:172 Resp: 597260

Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.1	39.1
170	24.2	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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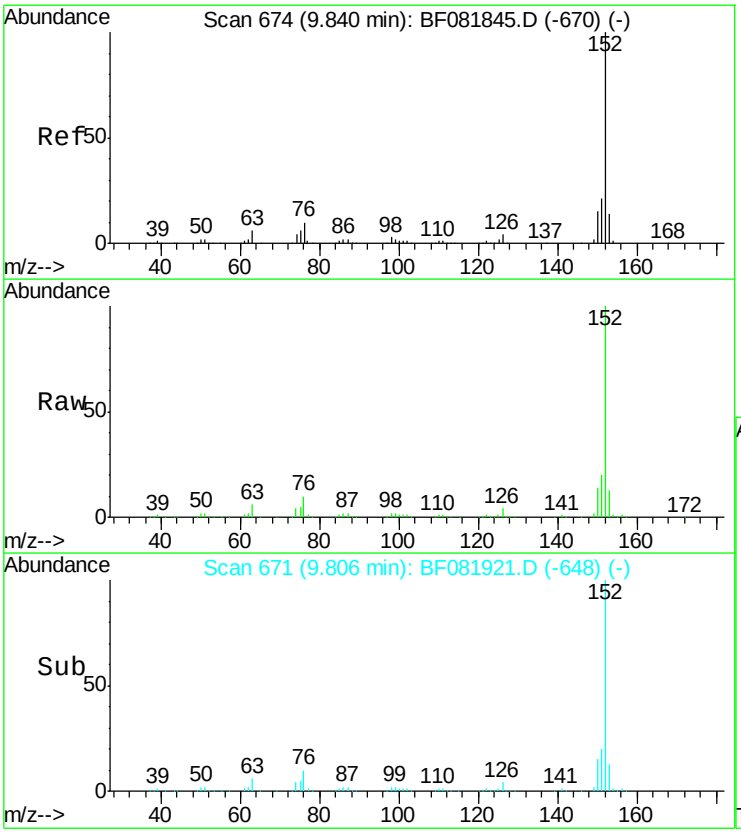
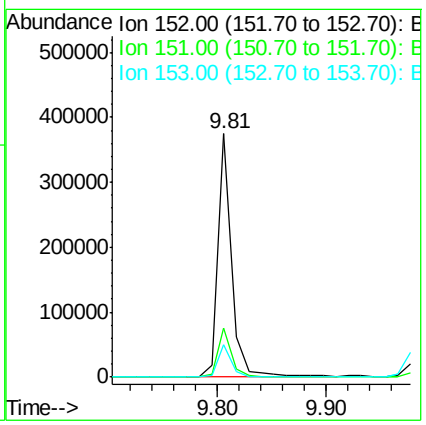
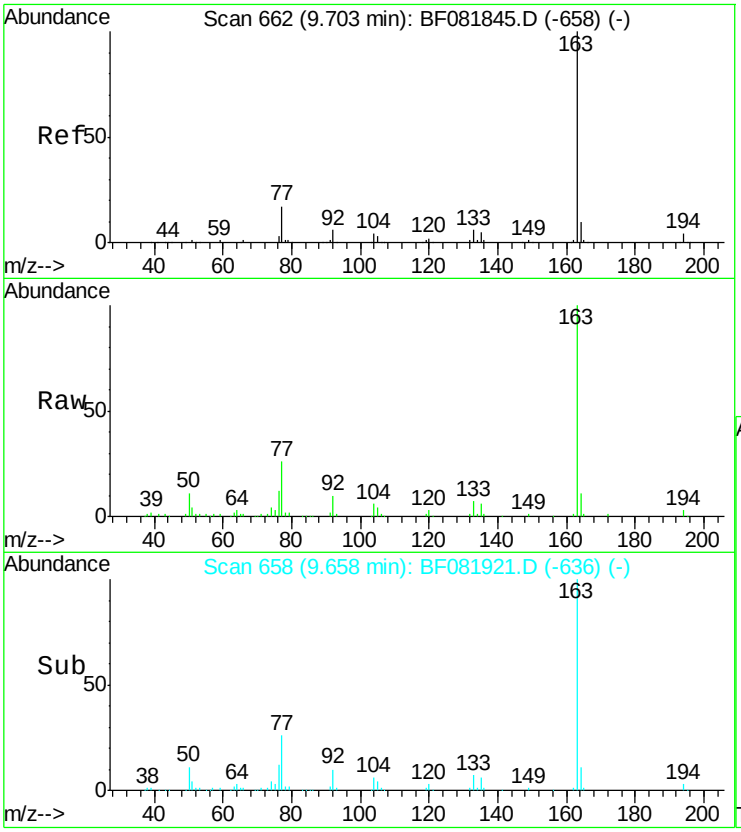


#48
Acenaphthylene
Concen: 17.66 ng
RT: 9.81 min Scan# 671
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:152 Resp: 333189

Ion	Ratio	Lower	Upper
152	100		
151	20.1	14.6	22.0
153	13.5	10.3	15.5

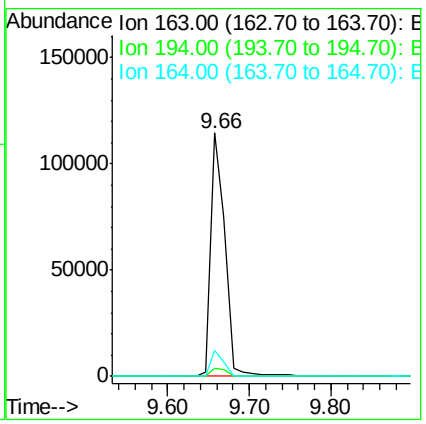




#49
Dimethylphthalate
Concen: 10.35 ng
RT: 9.66 min Scan# 658
Delta R.T. -0.05 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:163 Resp: 138998

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



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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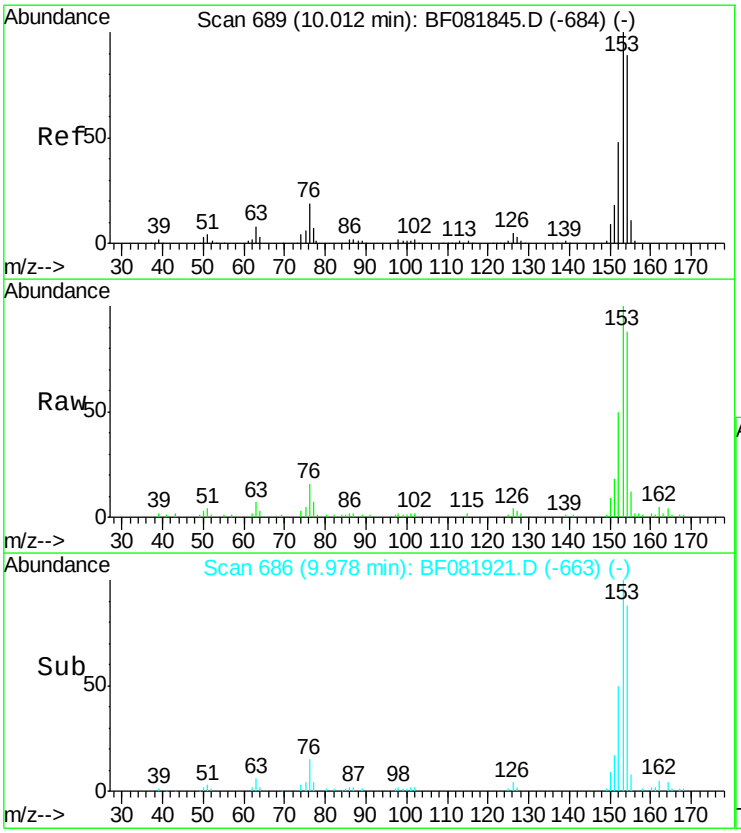
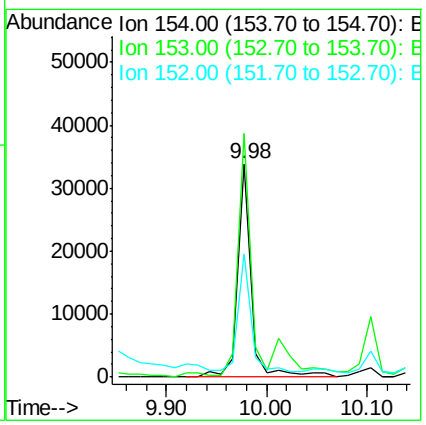
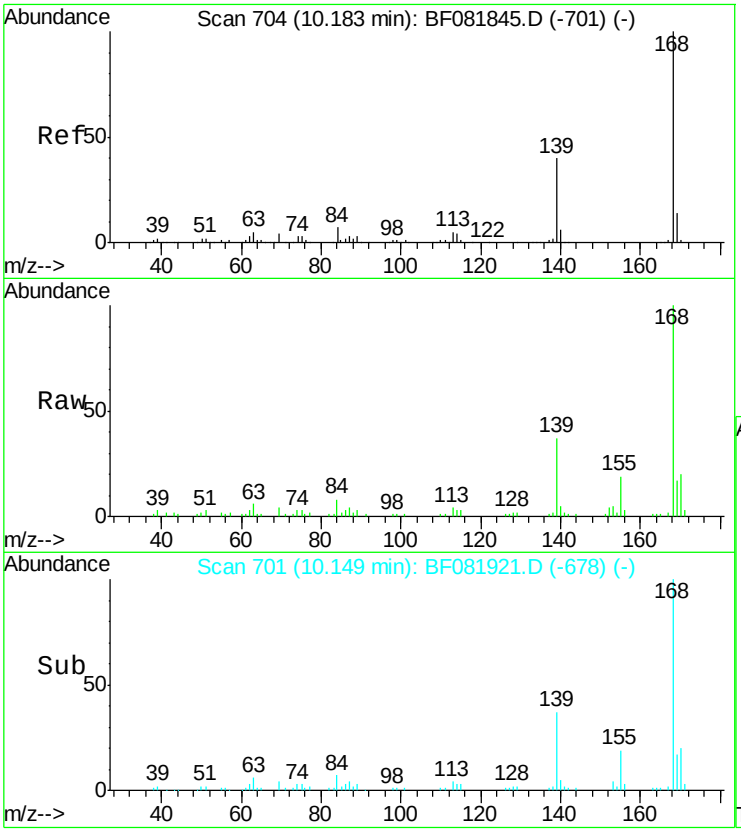


#51
Acenaphthene
Concen: 2.83 ng
RT: 9.98 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:154 Resp: 31718

Ion	Ratio	Lower	Upper
154	100		
153	114.1	82.1	123.1
152	57.6	37.9	56.9#





#54
Dibenzofuran
Concen: 3.02 ng
RT: 10.15 min Scan# 701
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:168 Resp: 47806

Ion	Ratio	Lower	Upper
168	100		
139	37.3	24.2	36.2#
169	17.4	10.6	15.8#

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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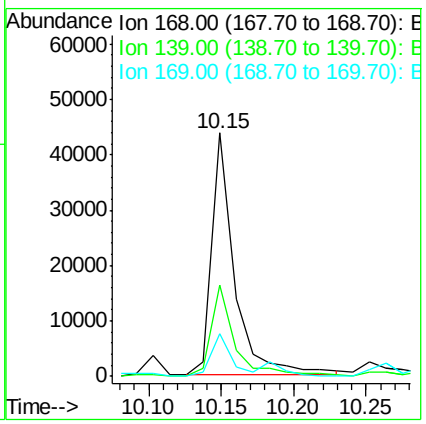
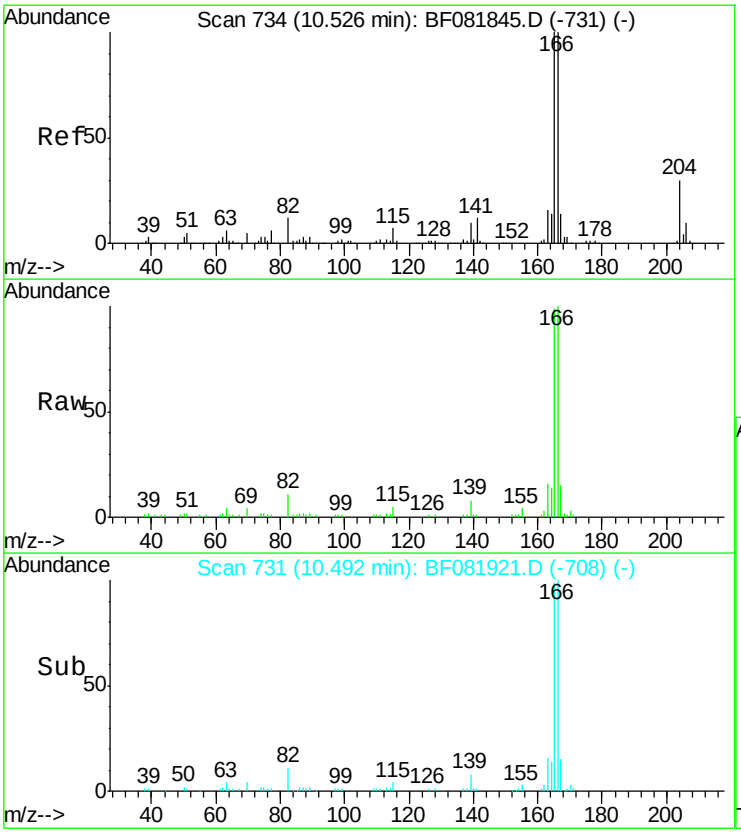
10/1/2015 2:24:04 PM

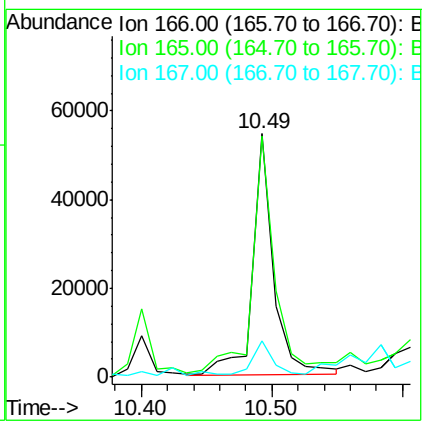


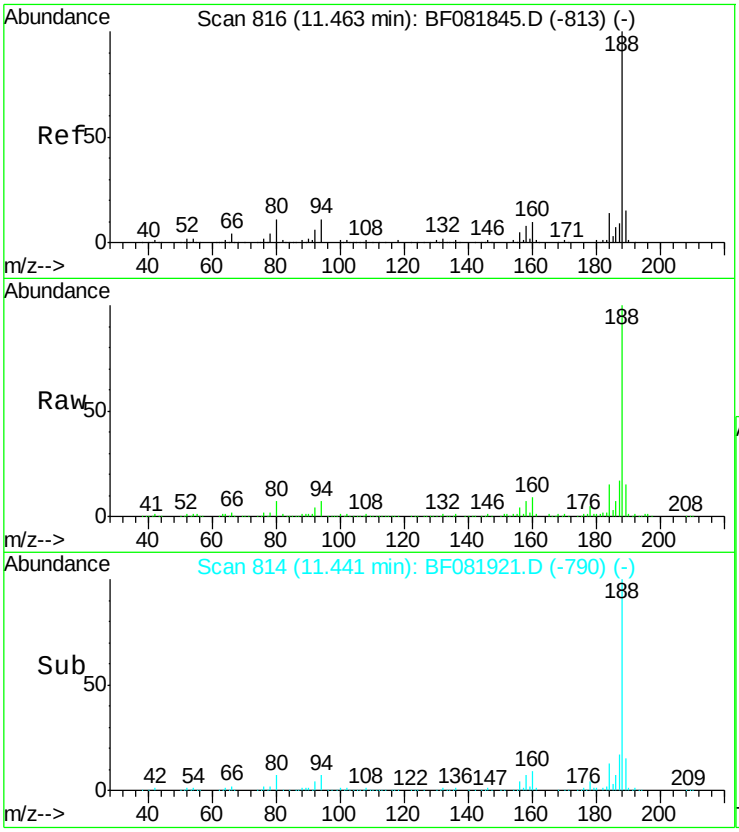


#57
Fluorene
Concen: 3.52 ng
RT: 10.49 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:166 Resp: 62099

Ion	Ratio	Lower	Upper
166	100		
165	98.8	72.6	109.0
167	14.9	10.6	16.0

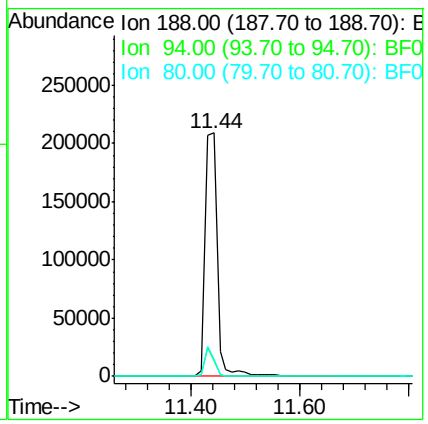




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:188 Resp: 323203

Ion	Ratio	Lower	Upper
188	100		
94	6.5	11.1	16.7#
80	7.0	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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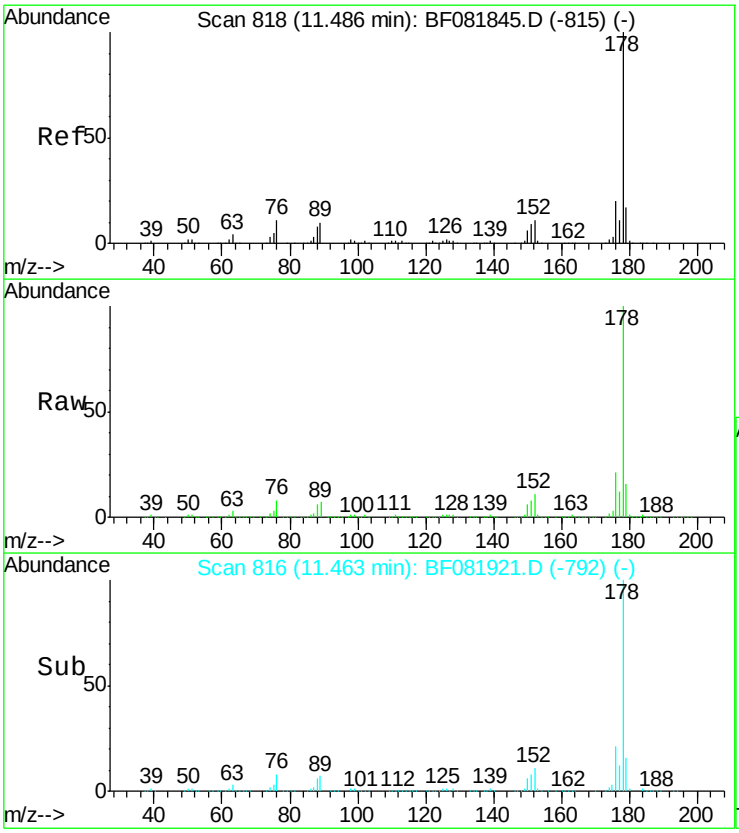
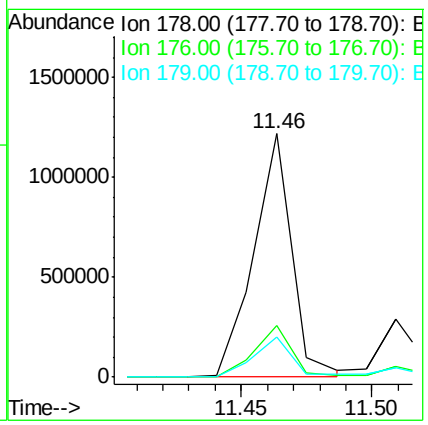
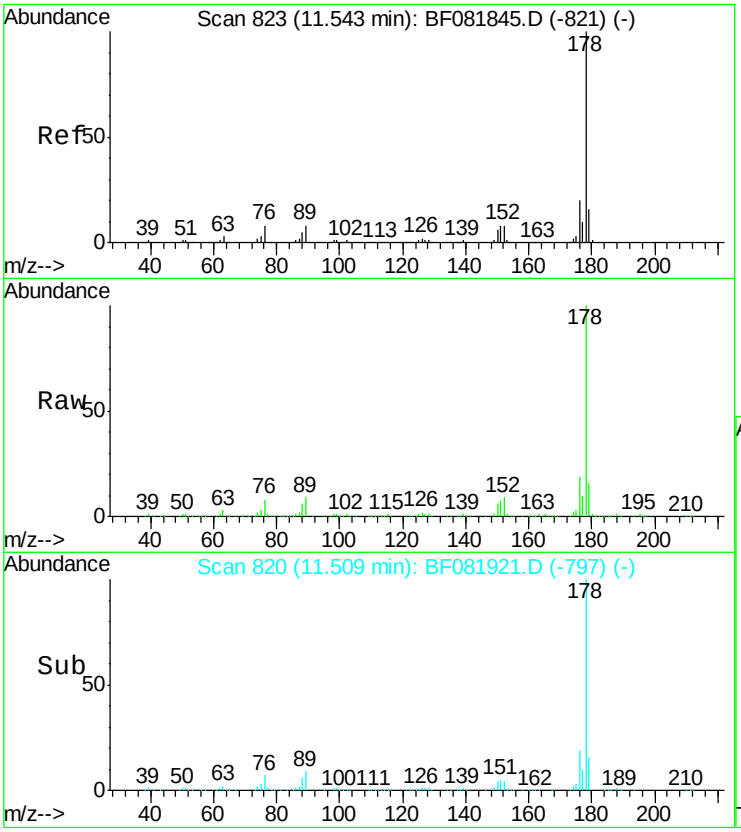


#70
Phenanthrene
Concen: 80.11 ng m
RT: 11.46 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:178 Resp: 1225747

Ion	Ratio	Lower	Upper
178	100		
176	21.1	13.8	20.8#
179	16.3	12.2	18.2

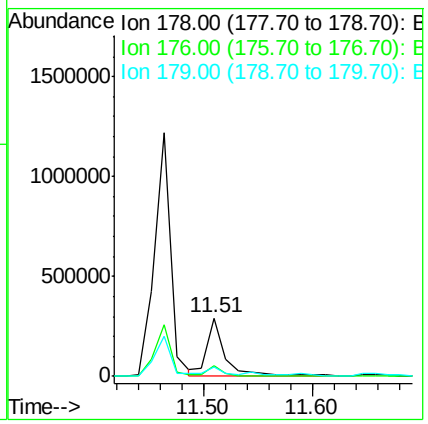




#71
Anthracene
Concen: 20.28 ng
RT: 11.51 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:178 Resp: 333068

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.1	21.1
179	16.0	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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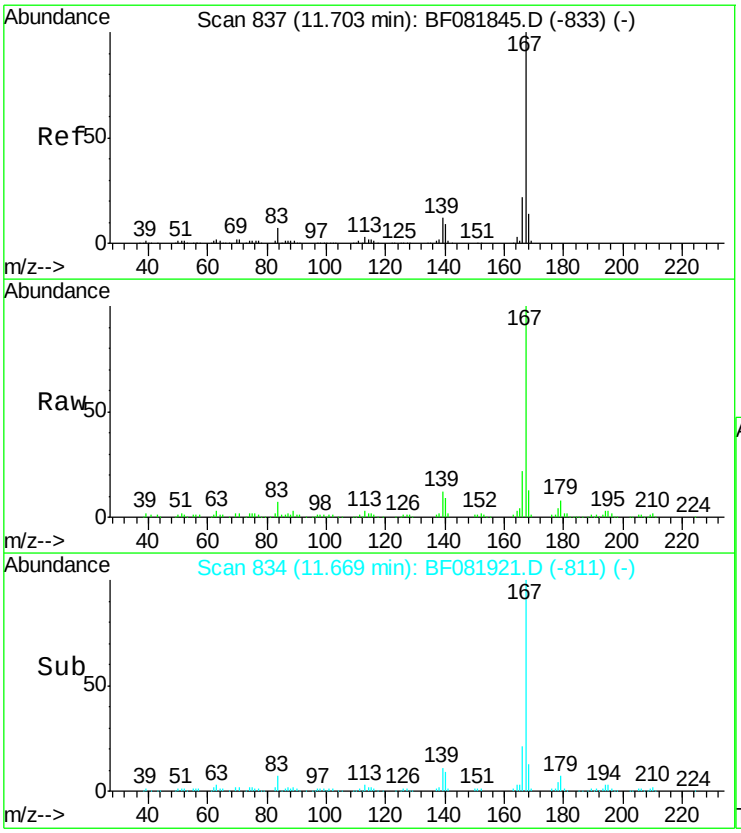
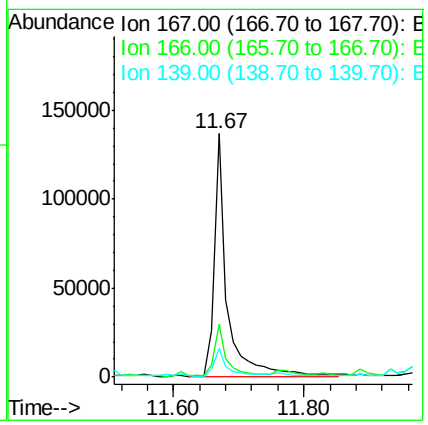
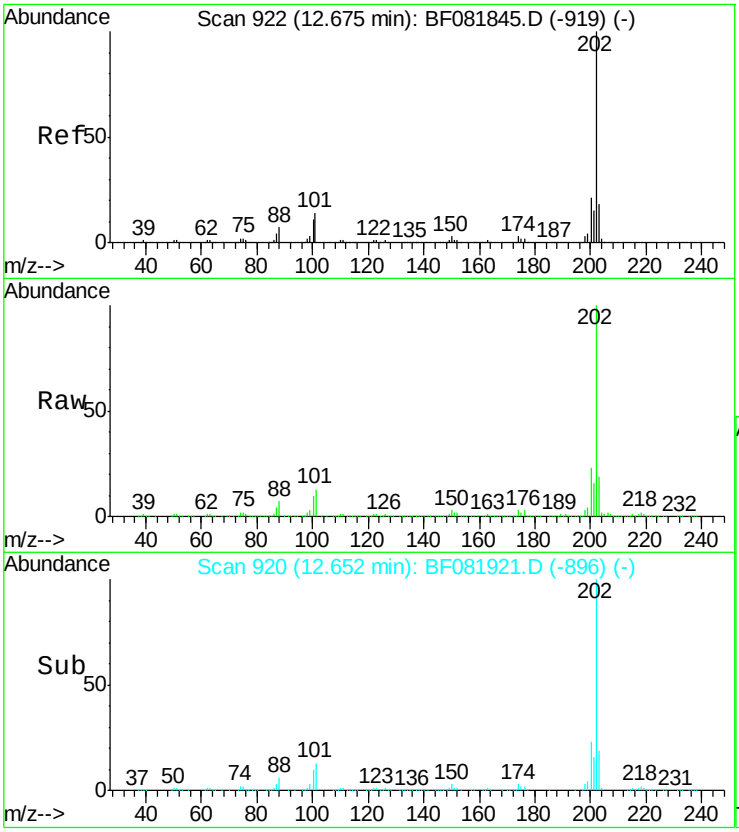


#72
Carbazole
Concen: 12.73 ng
RT: 11.67 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:167 Resp: 189247

Ion	Ratio	Lower	Upper
167	100		
166	21.7	15.7	23.5
139	11.7	9.5	14.3

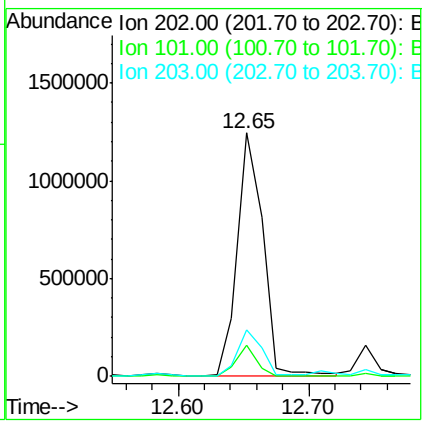




#74
Fluoranthene
Concen: 97.55 ng
RT: 12.65 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:202 Resp: 1688931

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	38.3
203	19.3	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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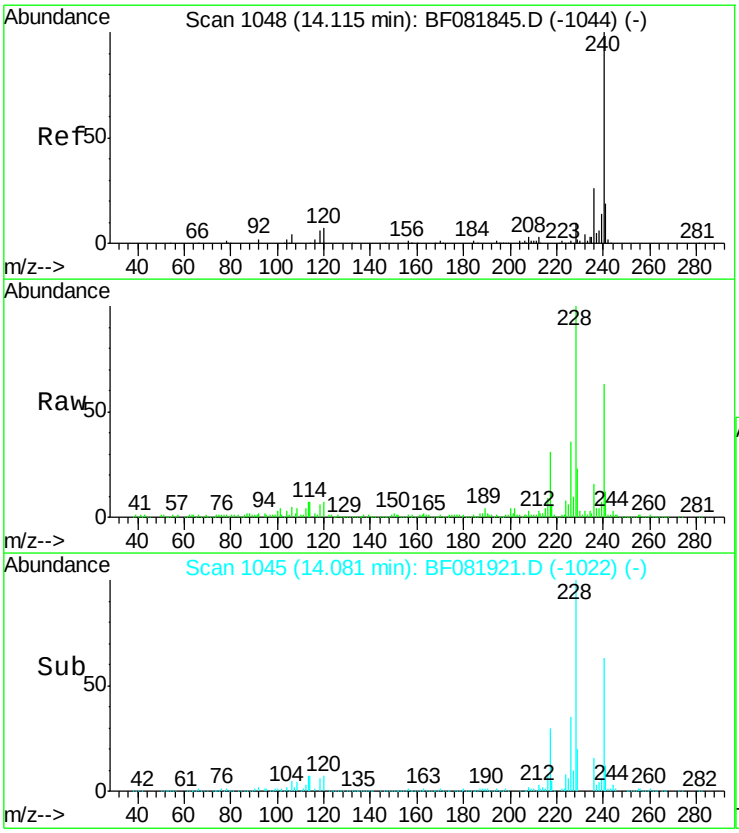
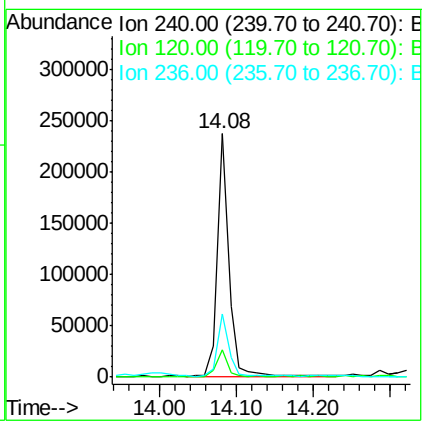
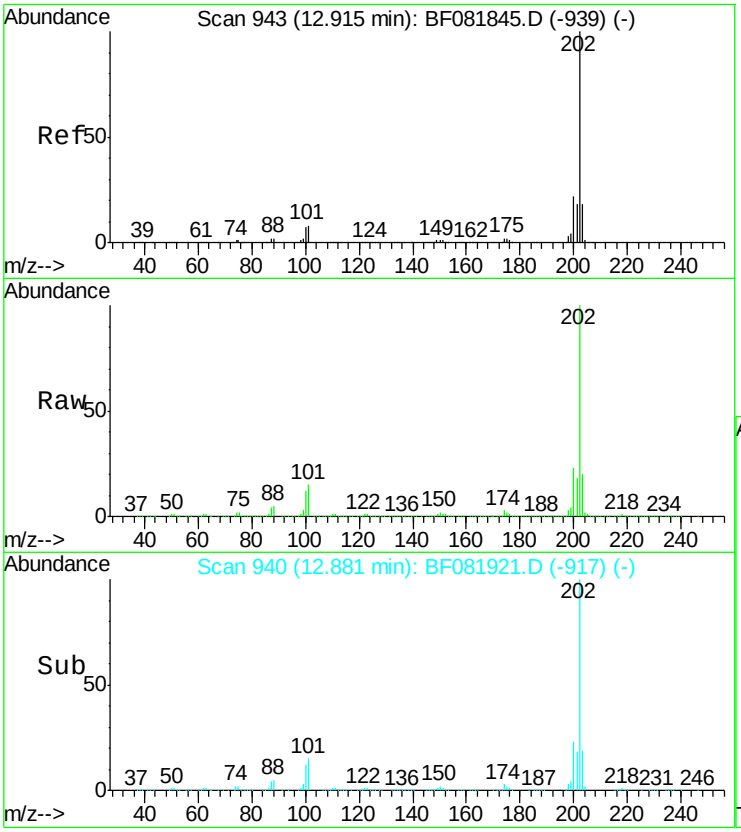


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:240 Resp: 244550

Ion	Ratio	Lower	Upper
240	100		
120	11.1	16.2	24.2#
236	26.1	18.4	27.6

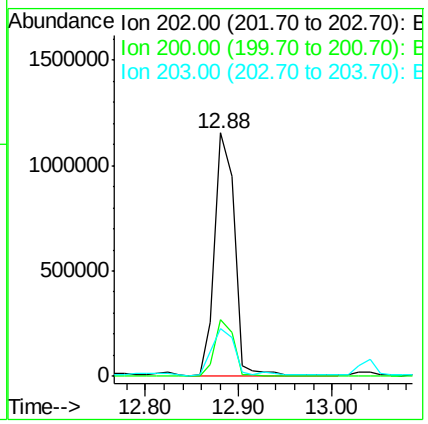




#77
Pyrene
Concen: 116.20 ng
RT: 12.88 min Scan# 940
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:202 Resp: 1697625

Ion	Ratio	Lower	Upper
202	100		
200	23.0	15.0	22.4#
203	19.6	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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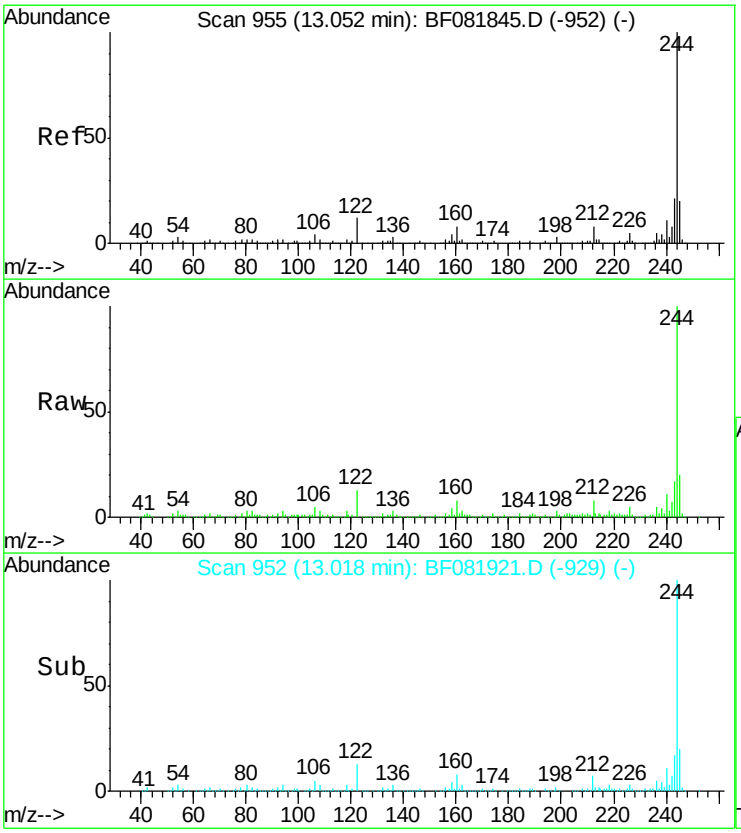
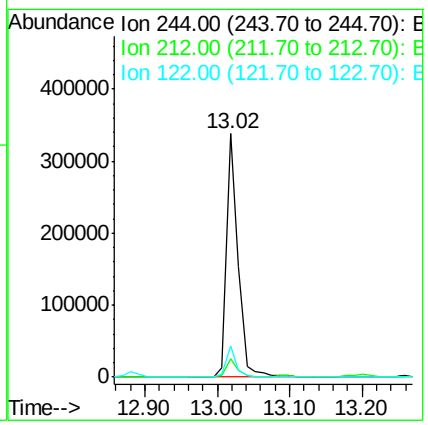
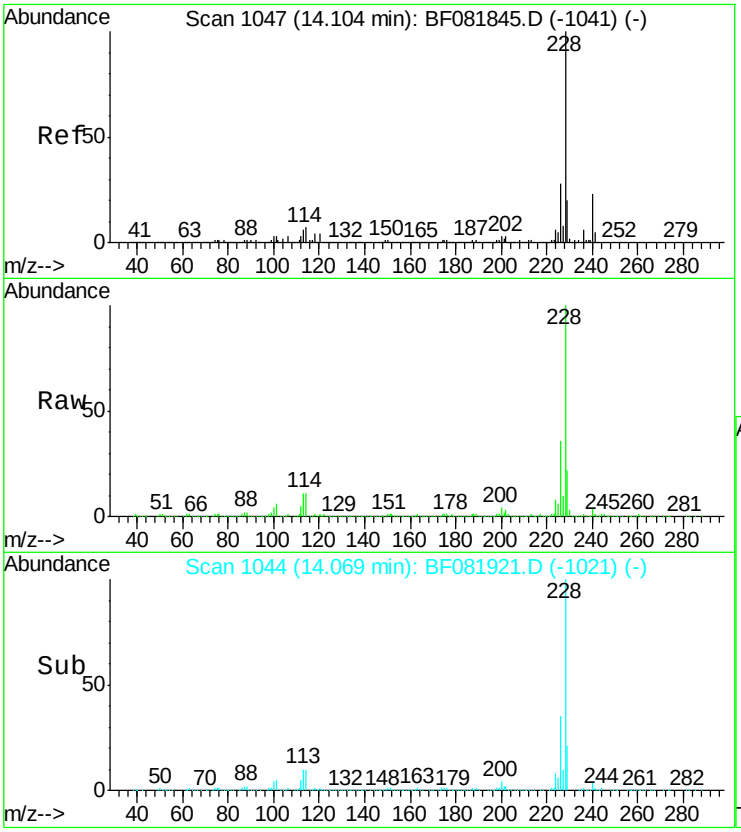


#78
Terphenyl-d14
Concen: 43.09 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:244 Resp: 375211

Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.3	6.5#
122	13.0	17.4	26.2#

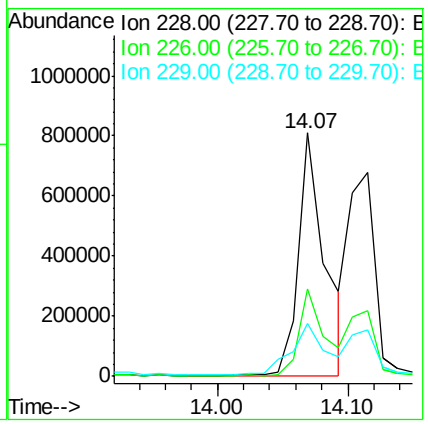




#80
Benzo(a)anthracene
Concen: 86.80 ng
RT: 14.07 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:228 Resp: 1143024

Ion	Ratio	Lower	Upper
228	100		
226	35.8	20.0	30.0#
229	21.7	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

Manual Integrations APPROVED
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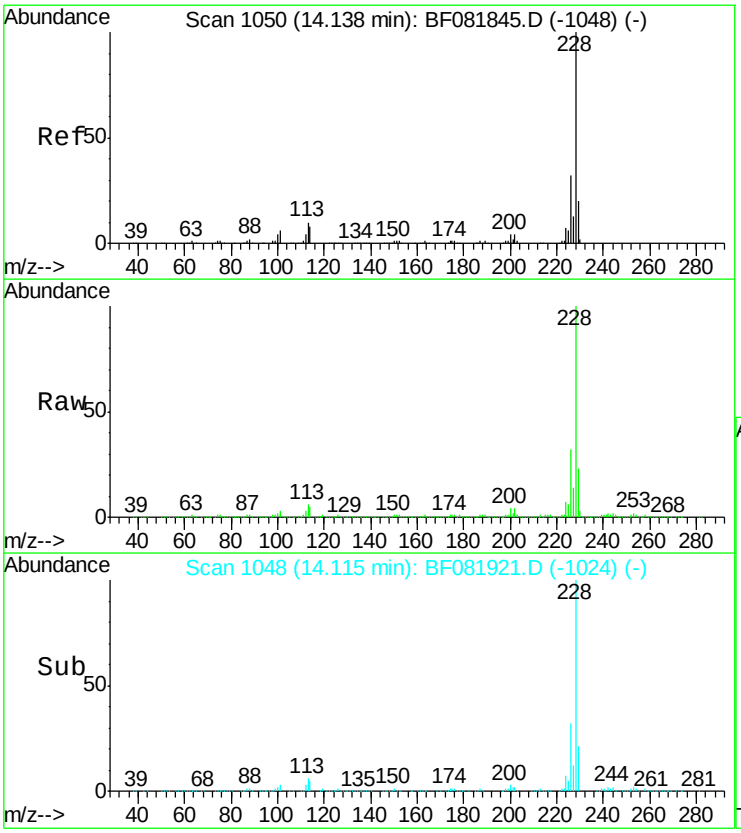
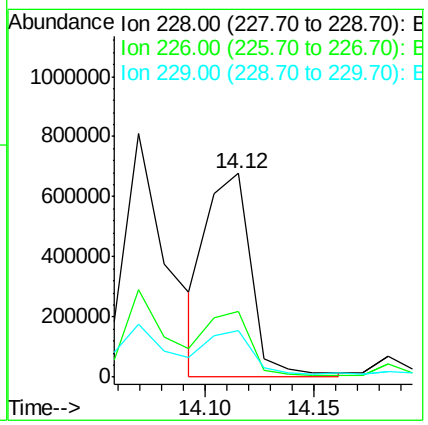
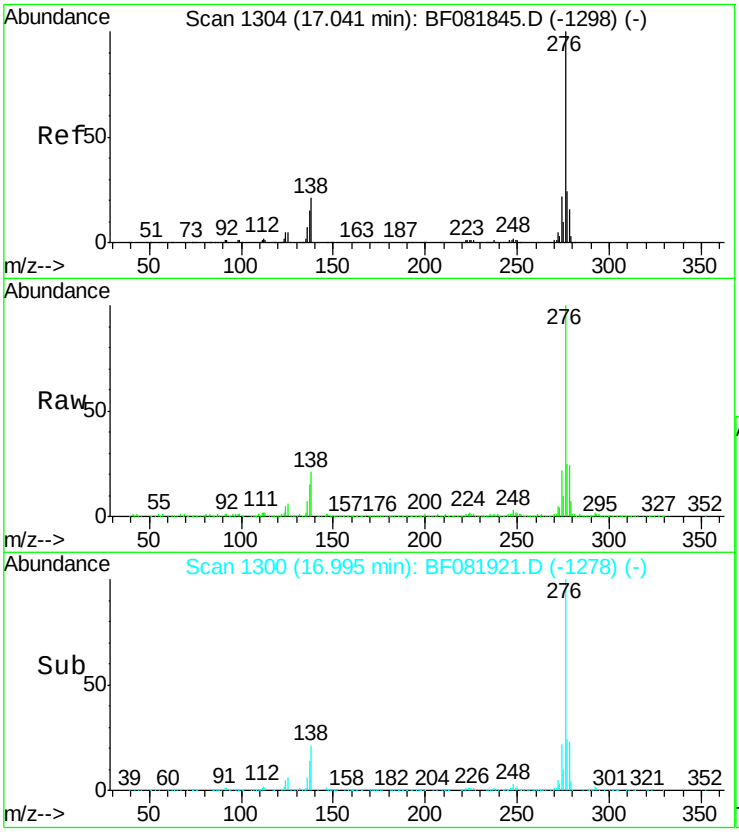


#82
Chrysene
Concen: Below Cal
RT: 14.12 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:228 Resp: 950491

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.0	31.4#
229	22.6	15.6	23.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 63.30 ng
RT: 17.00 min Scan# 1300
Delta R.T. -0.05 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:276 Resp: 652128

Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.7	38.5#
277	22.9	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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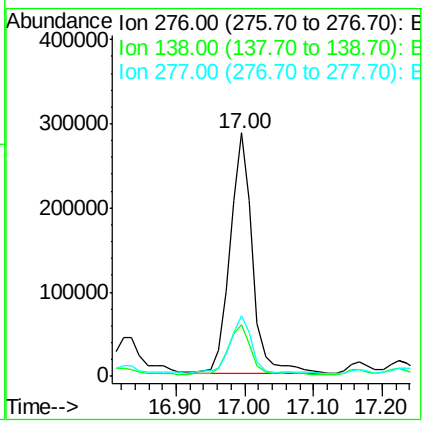
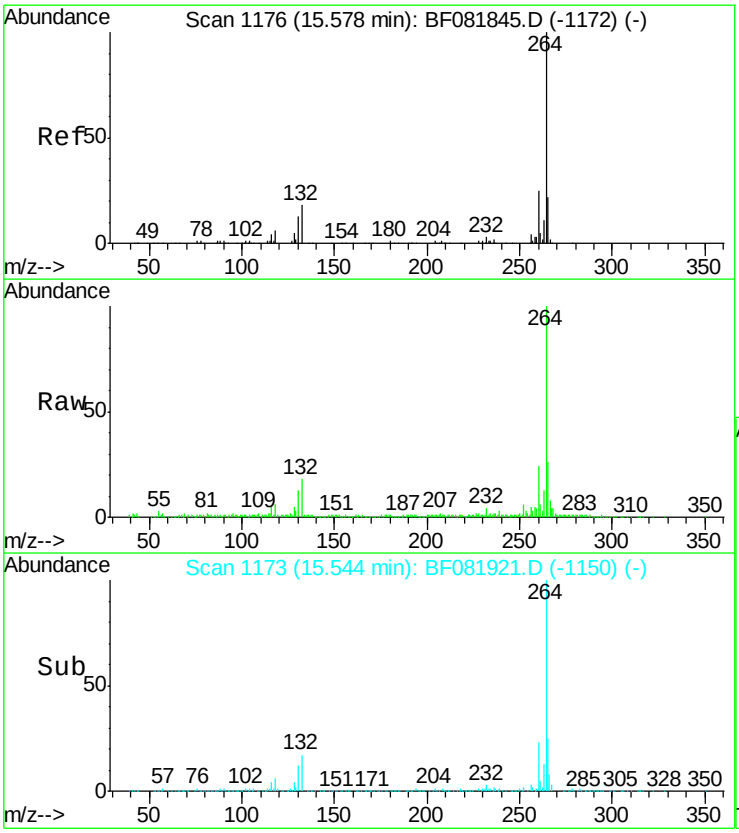
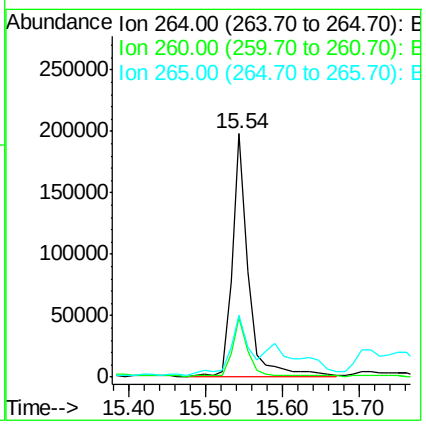


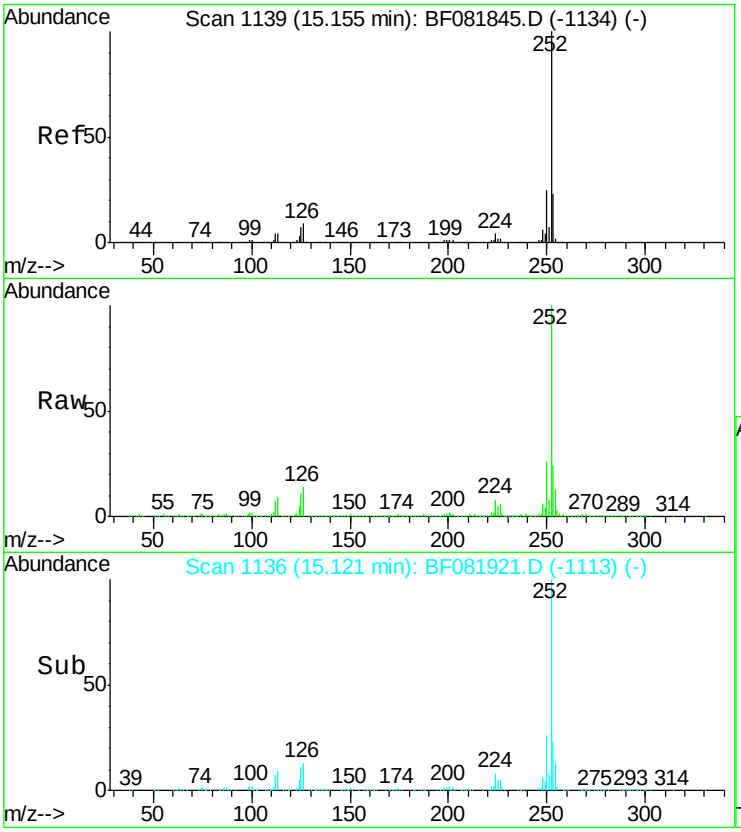


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:264 Resp: 289502

Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	25.6	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 69.59 ng m
RT: 15.12 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:252 Resp: 1150235

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	10.9	17.1	25.7#

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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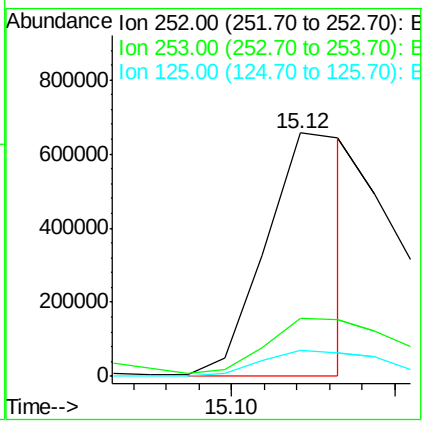
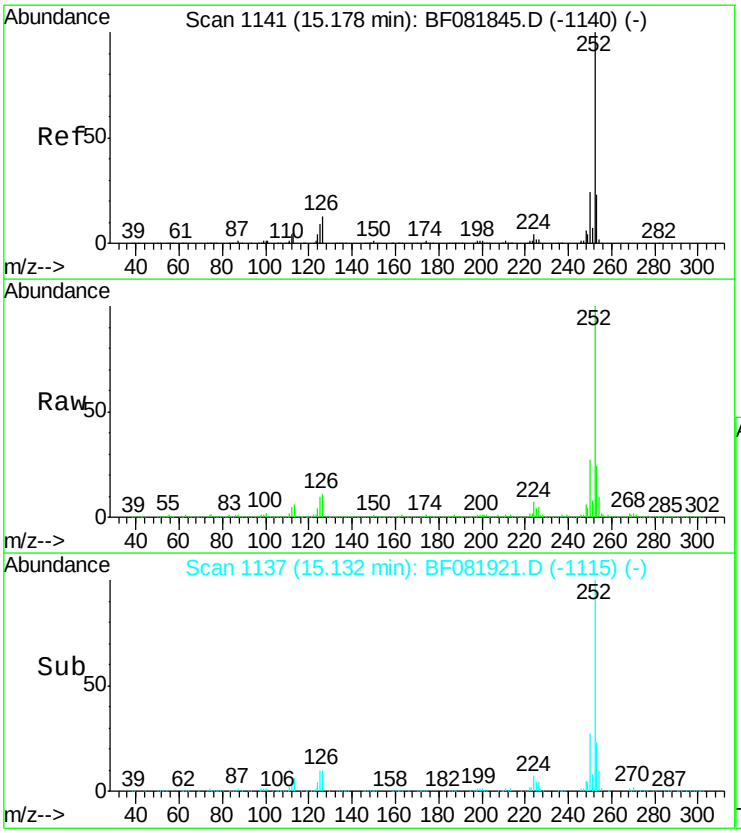
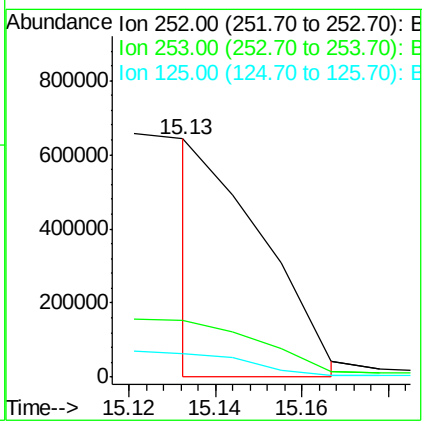


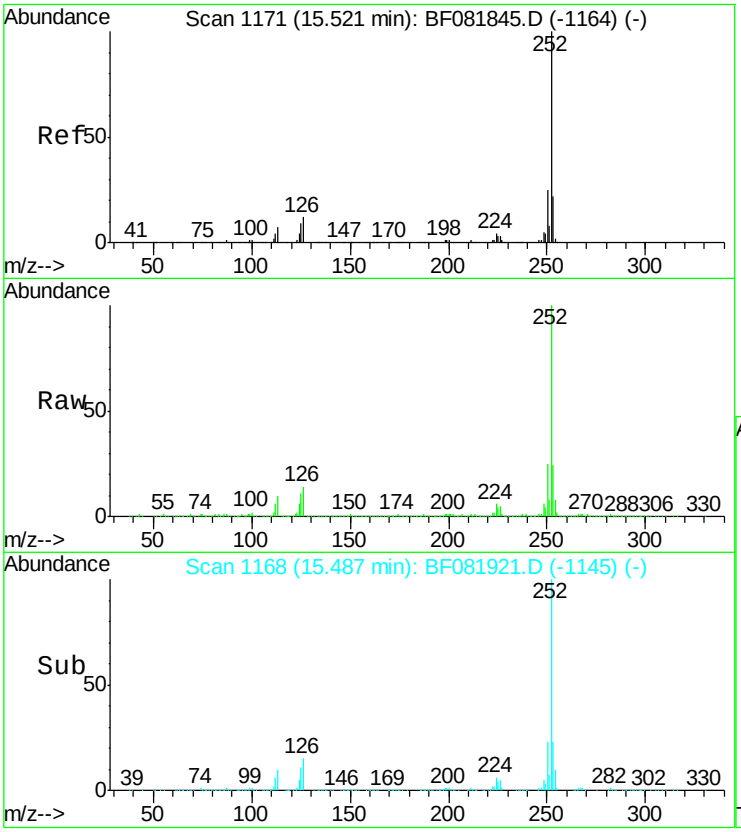


#88
Benzo(k)fluoranthene
Concen: 38.20 ng m
RT: 15.13 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:252 Resp: 578719

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	10.0	16.0	24.0#

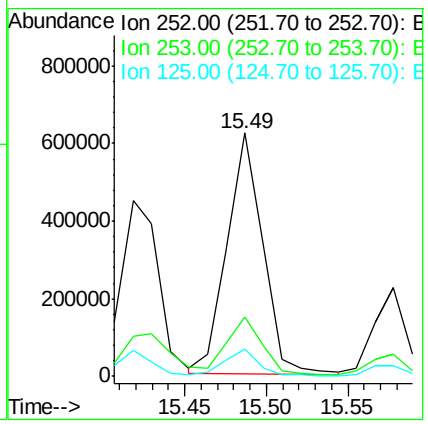




#89
Benzo(a)pyrene
Concen: 65.65 ng
RT: 15.49 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:252 Resp: 941304

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.2	25.8
125	11.0	18.0	27.0#



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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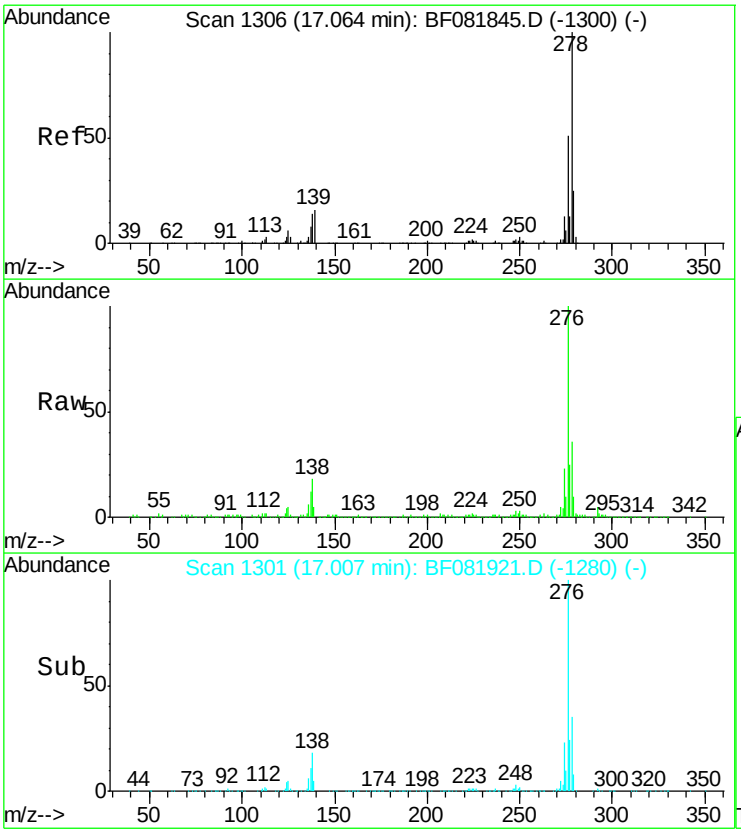
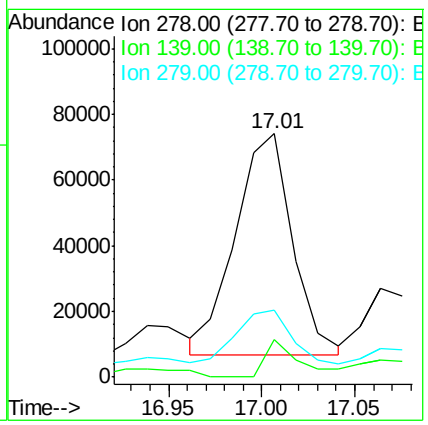
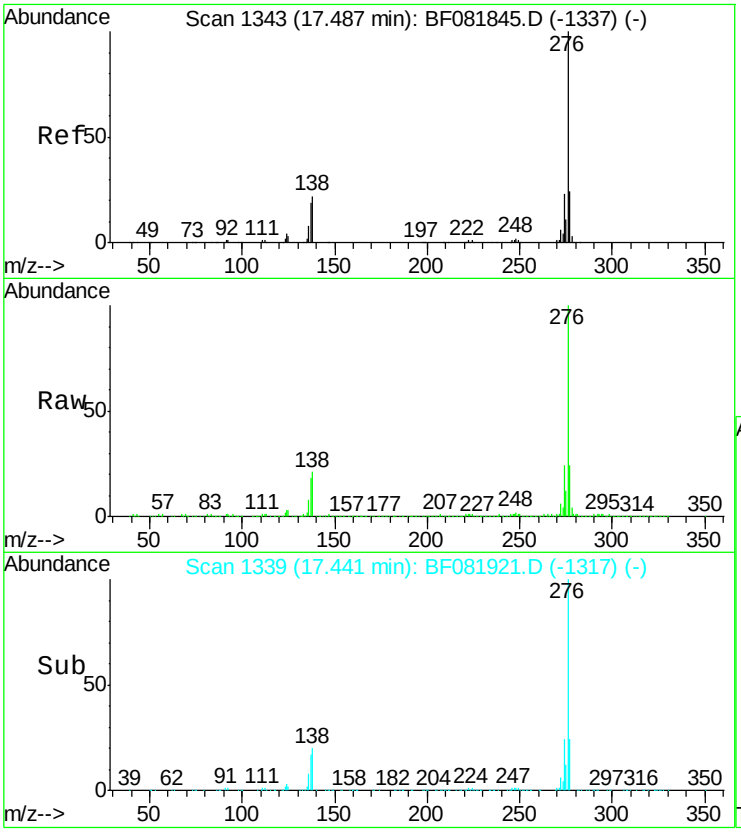


#90
Dibenzo(a,h)anthracene
Concen: 11.90 ng m
RT: 17.01 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:278 Resp: 143147

Ion	Ratio	Lower	Upper
278	100		
139	15.4	26.3	39.5#
279	27.5	18.2	27.4#

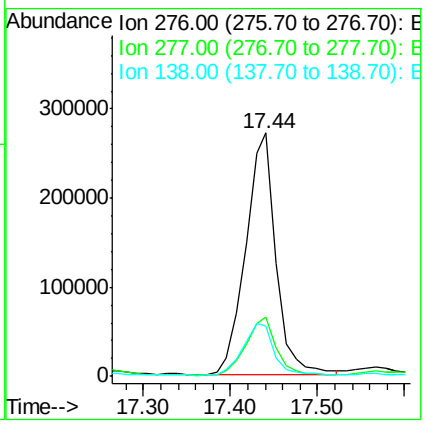




#91
Benzo(g,h,i)perylene
Concen: 53.10 ng
RT: 17.44 min Scan# 1339
Delta R.T. -0.05 min
Lab File: BF081921.D
Acq: 1 Oct 2015 00:53

Tgt Ion:276 Resp: 654587

Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.8	26.6
138	20.5	34.6	51.8#



Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)

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