Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083904.D
Acq On : 18 Dec 2015 8:32
Operator : UM/SJ
Sample : G4759-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K210-10-15

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:22:07 PM

Quant Time: Dec 18 12:31:15 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	120968	20.00	ng		0.01
21) Naphthalene-d8	8.17	136	428344	20.00	ng		0.01
38) Acenaphthene-d10	9.93	164	179147	20.00	ng		0.01
63) Phenanthrene-d10	11.41	188	274184	20.00	ng		0.02
75) Chrysene-d12	14.07	240	230432	20.00	ng		0.03
86) Perylene-d12	15.51	264	181141	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	352079	45.55	ng		0.02
7) Phenol-d6	6.53	99	422582	44.66	ng		0.02
23) Nitrobenzene-d5	7.45	82	288057	38.38	ng		0.01
41) 2,4,6-Tribromophenol	10.72	330	72877	36.93	ng		0.01
44) 2-Fluorobiphenyl	9.24	172	484203	34.40	ng		0.00
78) Terphenyl-d14	12.99	244	348977	31.46	ng		0.01
Target Compounds							Qvalue
48) Acenaphthylene	9.79	152	233532	11.18	ng	#	96
49) Dimethylphthalate	9.64	163	79535	5.29	ng	#	89
51) Acenaphthene	9.96	154	193239	15.05	ng		99
54) Dibenzofuran	10.13	168	326636	19.59	ng	#	88
57) Fluorene	10.48	166	167082	10.90	ng		98
70) Phenanthrene	11.45	178	1238198	74.75	ng		97
71) Anthracene	11.49	178	777138	48.53	ng		99
74) Fluoranthene	12.65	202	2079562	125.80	ng		98
77) Pyrene	12.88	202	1869214	102.45	ng		97
80) Benzo(a)anthracene	14.05	228	848045	59.86	ng		96
82) Chrysene	14.09	228	662526m	48.41	ng		
85) Indeno(1,2,3-cd)pyrene	16.96	276	352998	34.49	ng		95
87) Benzo(b)fluoranthene	15.09	252	758187m	57.41	ng		
88) Benzo(k)fluoranthene	15.11	252	276806m	25.41	ng		
89) Benzo(a)pyrene	15.45	252	498500	45.71	ng	#	94
90) Dibenzo(a,h)anthracene	16.96	278	69086	8.14	ng	#	93
91) Benzo(g,h,i)perylene	17.39	276	342085	41.14	ng		100

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

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BNA_F
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K210-10-15

Manual Integrations APPROVED
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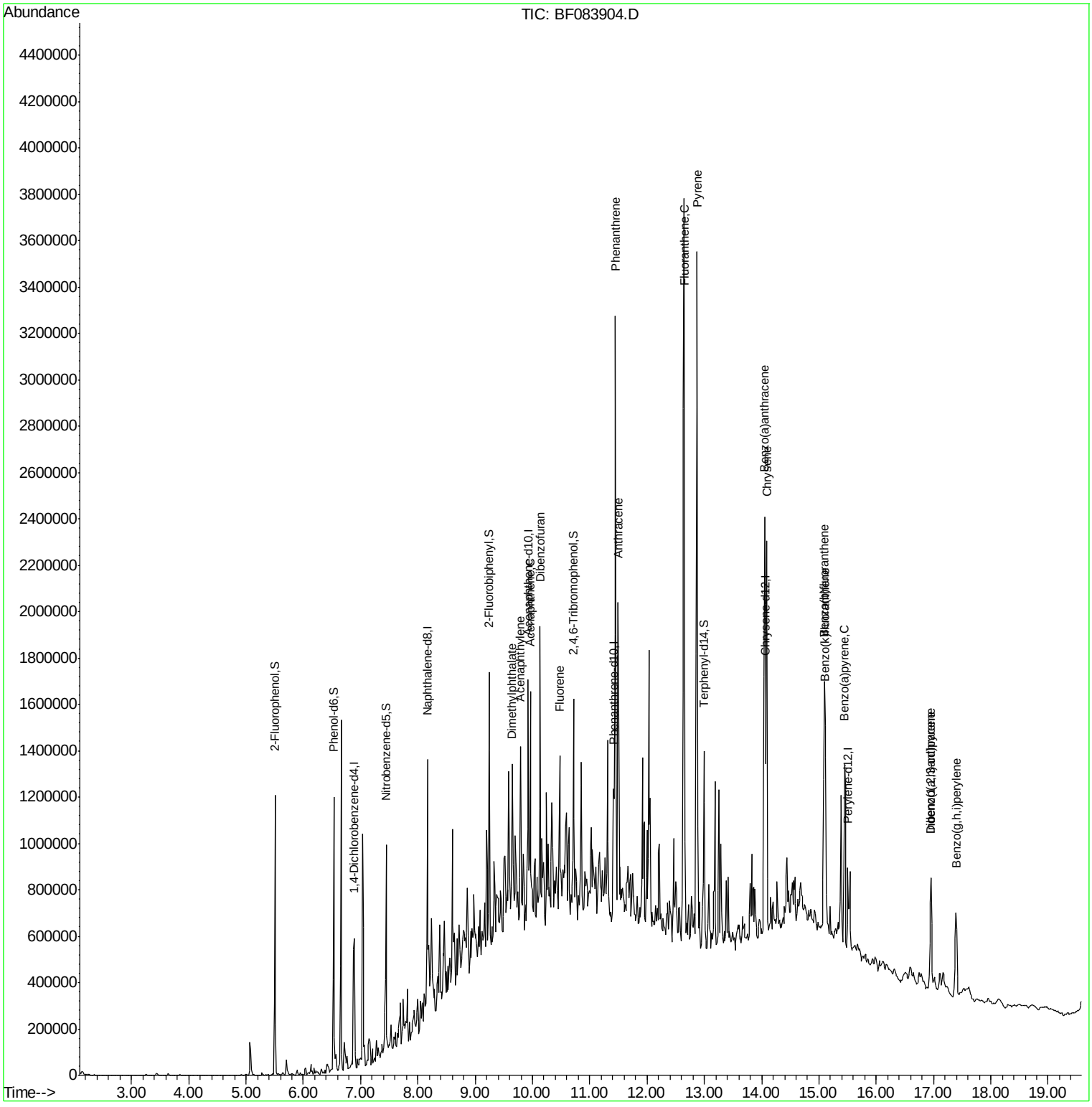
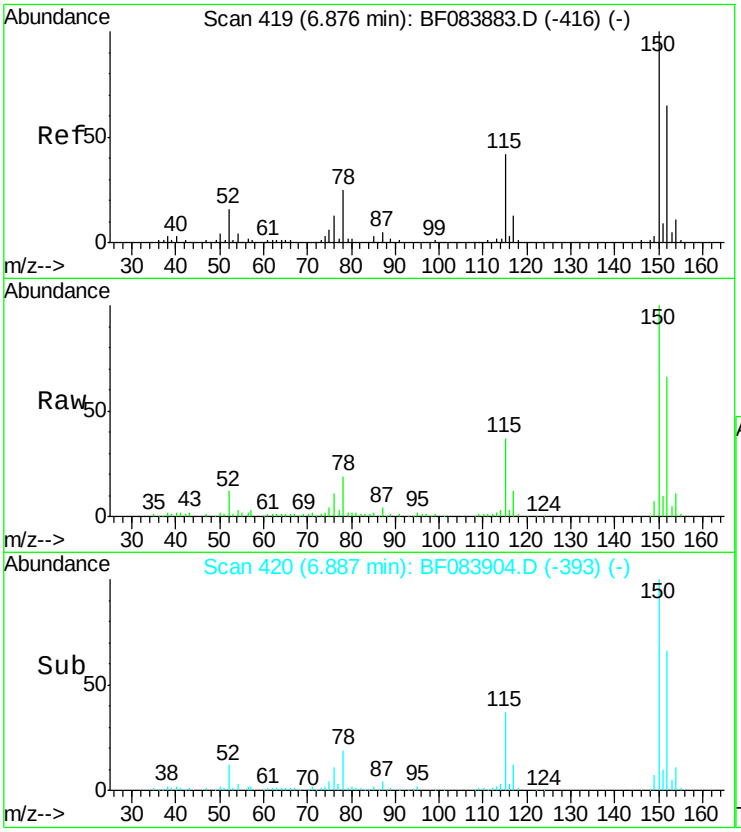
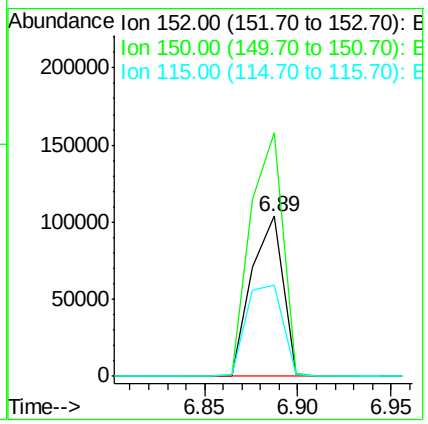




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:152 Resp: 120968

Ion	Ratio	Lower	Upper
152	100		
150	152.0	123.0	184.4
115	56.7	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
K210-10-15

Manual Integrations APPROVED
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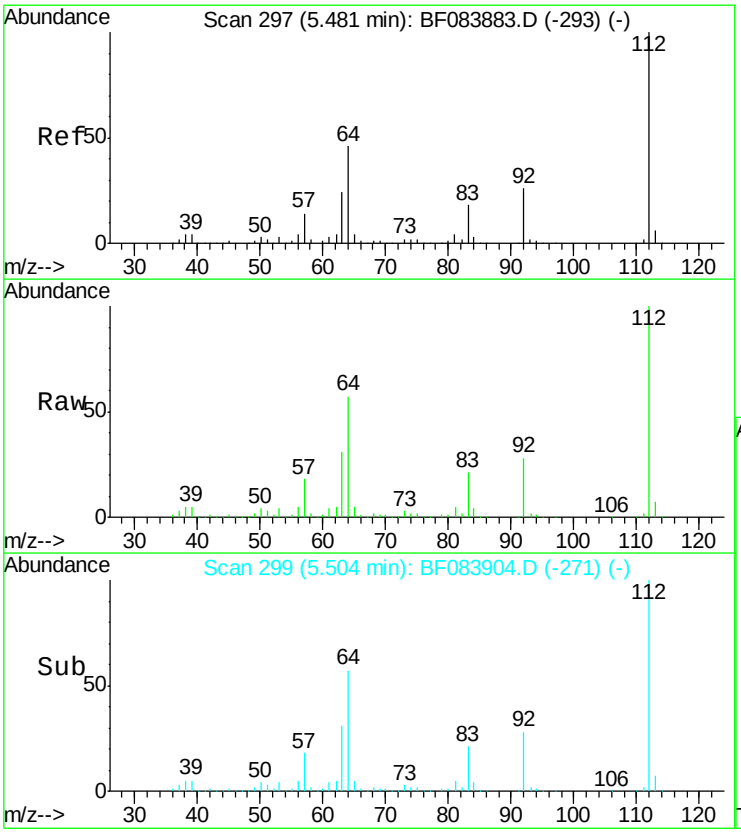
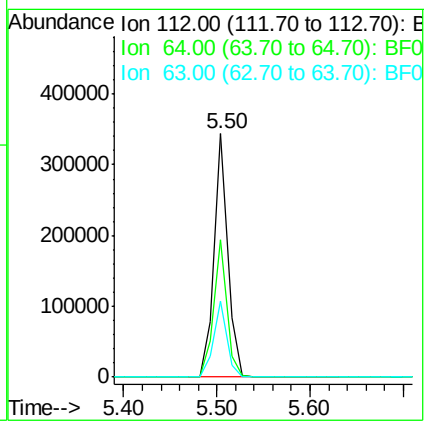
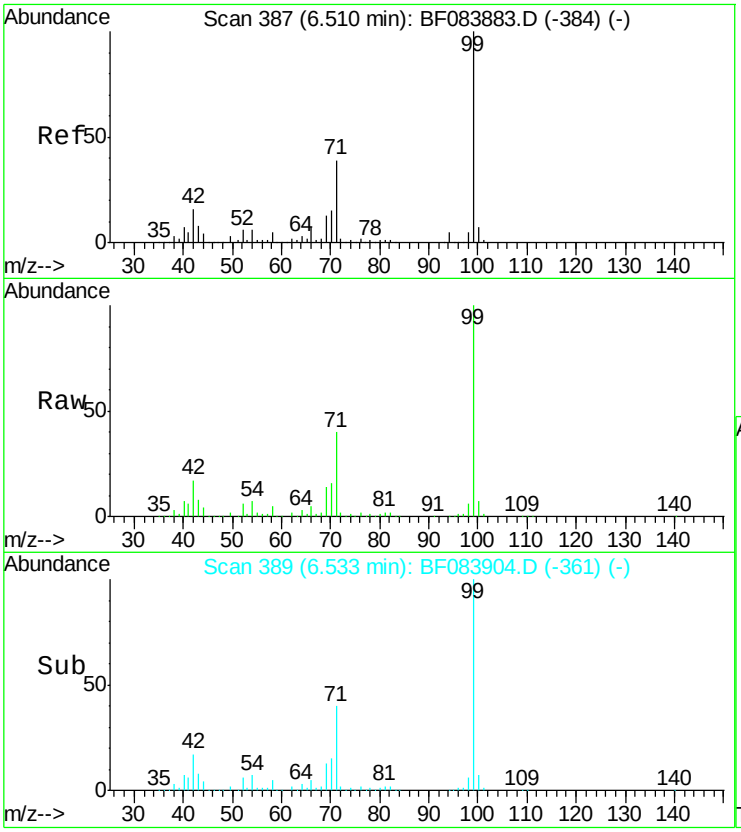


#5
2-Fluorophenol
Concen: 45.55 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:112 Resp: 352079

Ion	Ratio	Lower	Upper
112	100		
64	56.6	36.6	55.0#
63	31.0	19.4	29.0#

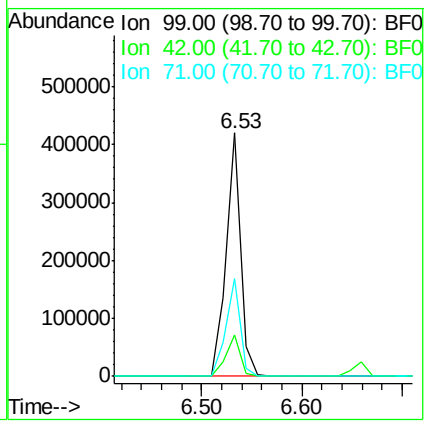




#7
Phenol-d6
Concen: 44.66 ng
RT: 6.53 min Scan# 389
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion: 99 Resp: 422582

Ion	Ratio	Lower	Upper
99	100		
42	17.1	12.8	19.2
71	40.2	30.9	46.3



Instrument :
BNA_F
ClientSampleId :
K210-10-15

Manual Integrations APPROVED
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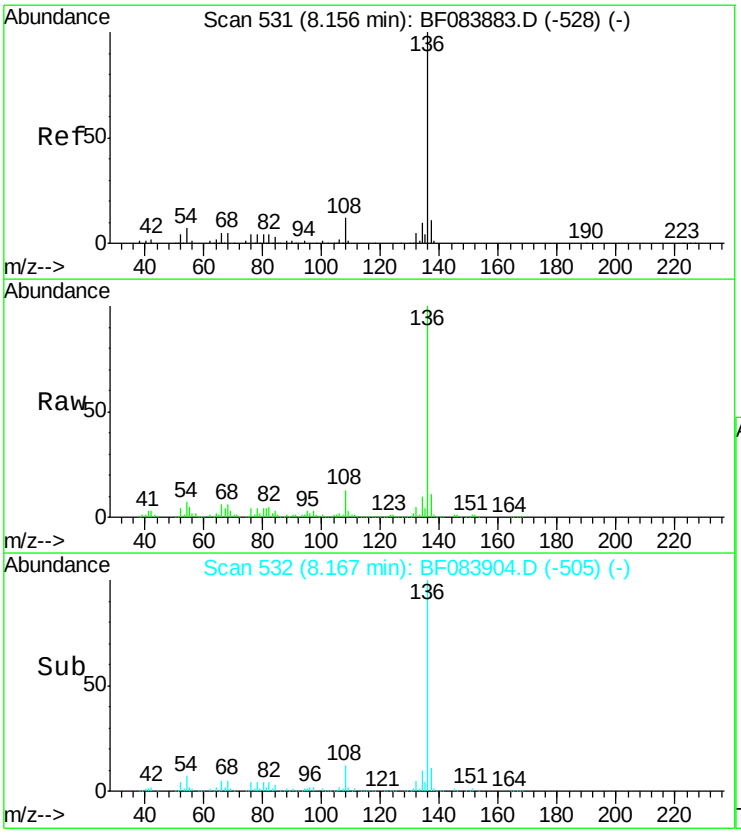
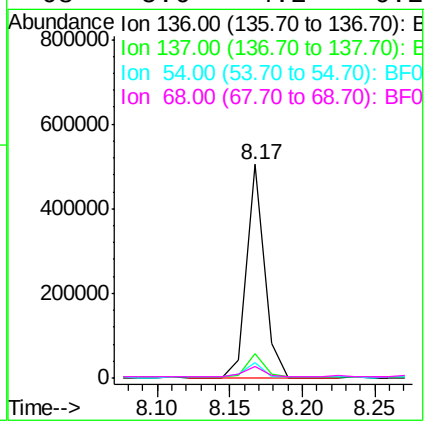
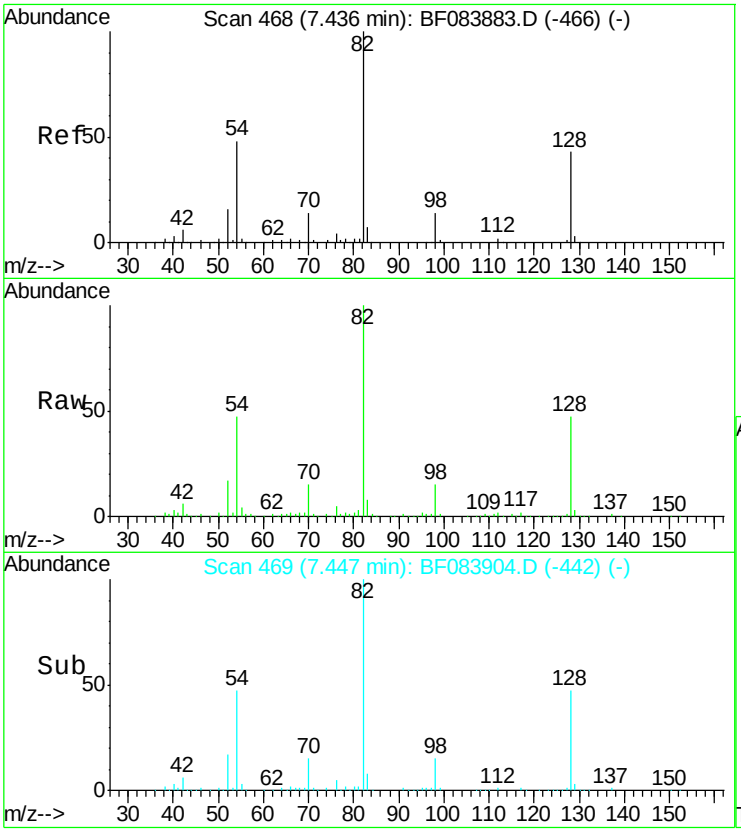


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:136 Resp: 428344

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	7.2	5.8	8.8
68	5.6	4.2	6.2

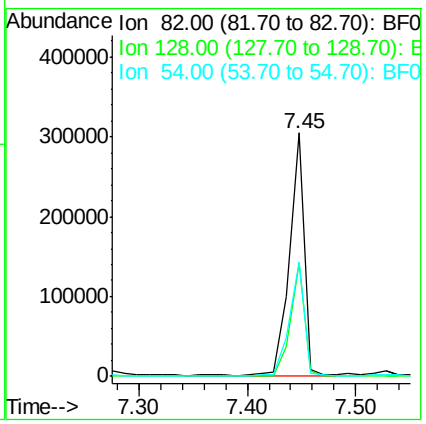




#23
Nitrobenzene-d5
Concen: 38.38 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion: 82 Resp: 288057

Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.6	51.8
54	47.1	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
K210-10-15

Manual Integrations APPROVED
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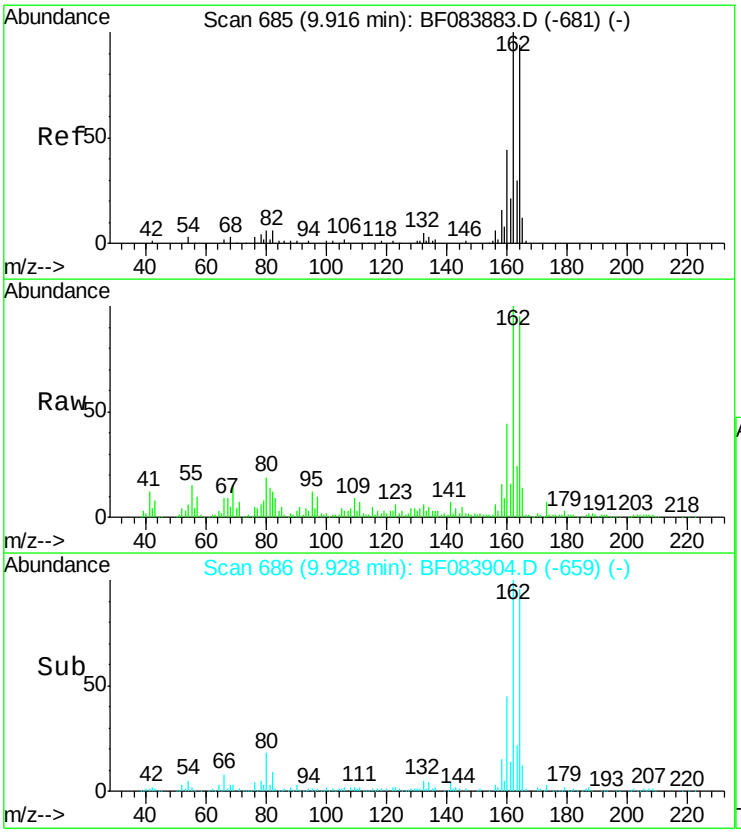
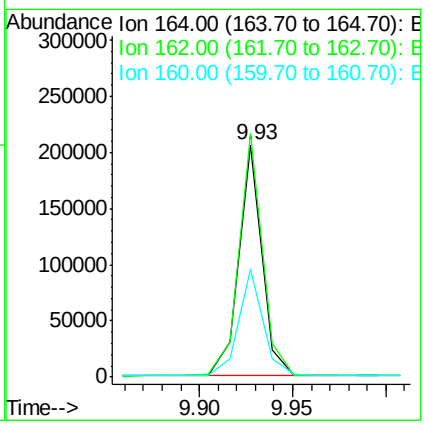
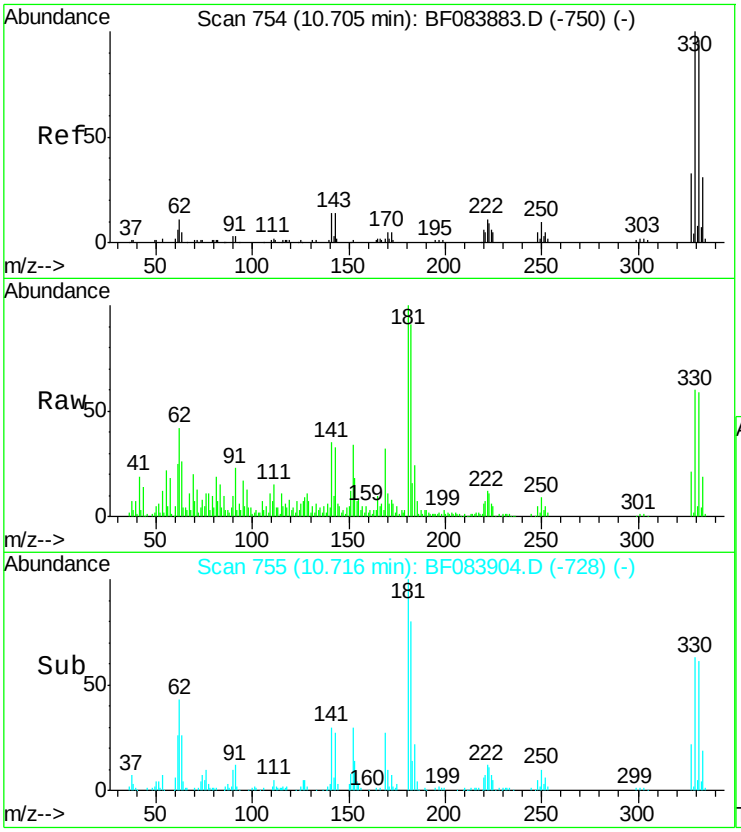


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:164 Resp: 179147

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.1	127.7
160	46.6	37.5	56.3

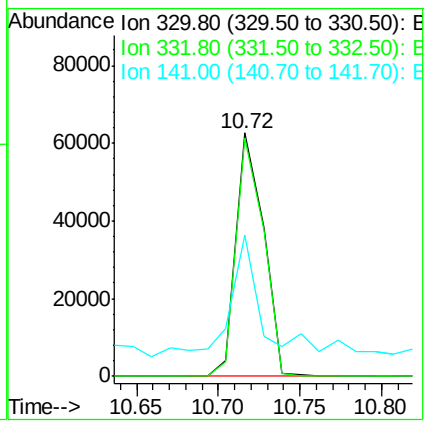




#41
2,4,6-Tribromophenol
Concen: 36.93 ng
RT: 10.72 min Scan# 755
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:330 Resp: 72877

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	114.8
141	49.3	27.8	41.6#



Instrument :
BNA_F
ClientSampleId :
K210-10-15

Manual Integrations APPROVED
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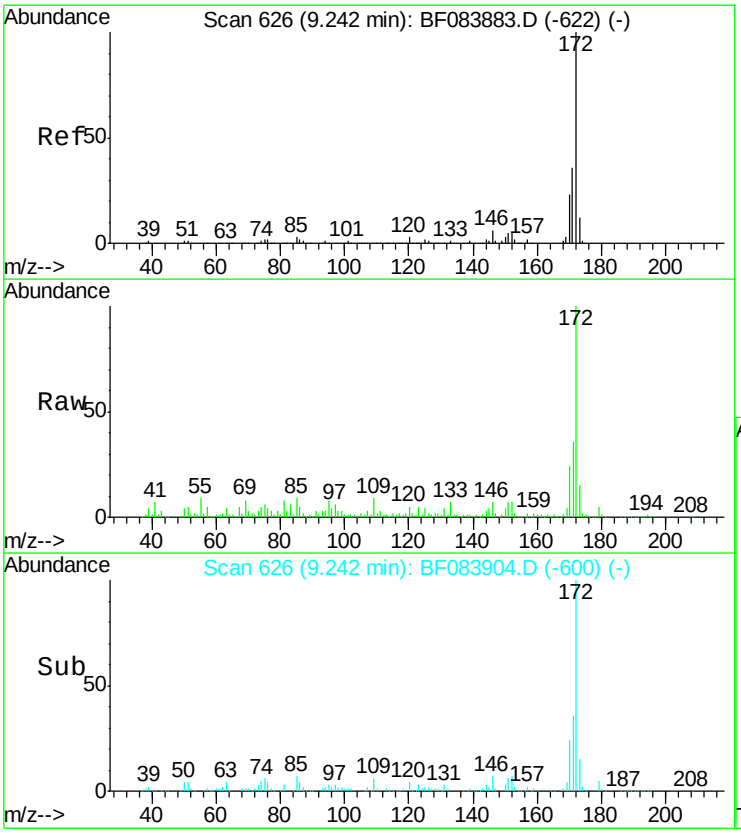
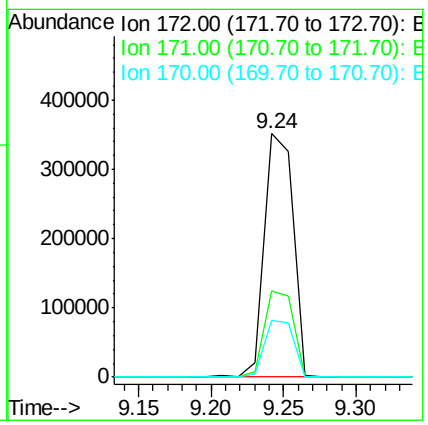
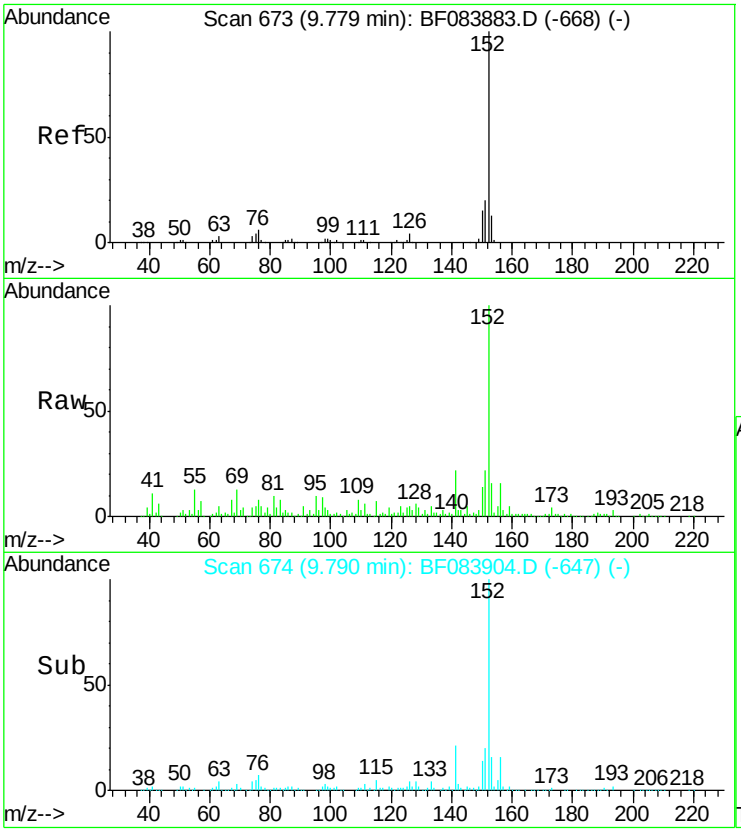


#44
2-Fluorobiphenyl
Concen: 34.40 ng
RT: 9.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:172 Resp: 484203

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.5	18.6	27.8





#48
Acenaphthylene
Concen: 11.18 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:152 Resp: 233532

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.3	24.5
153	15.9	10.4	15.6#

Instrument :
BNA_F
ClientSampleId :
K210-10-15

Manual Integrations APPROVED
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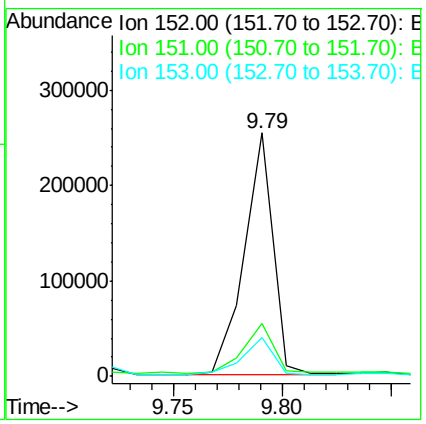
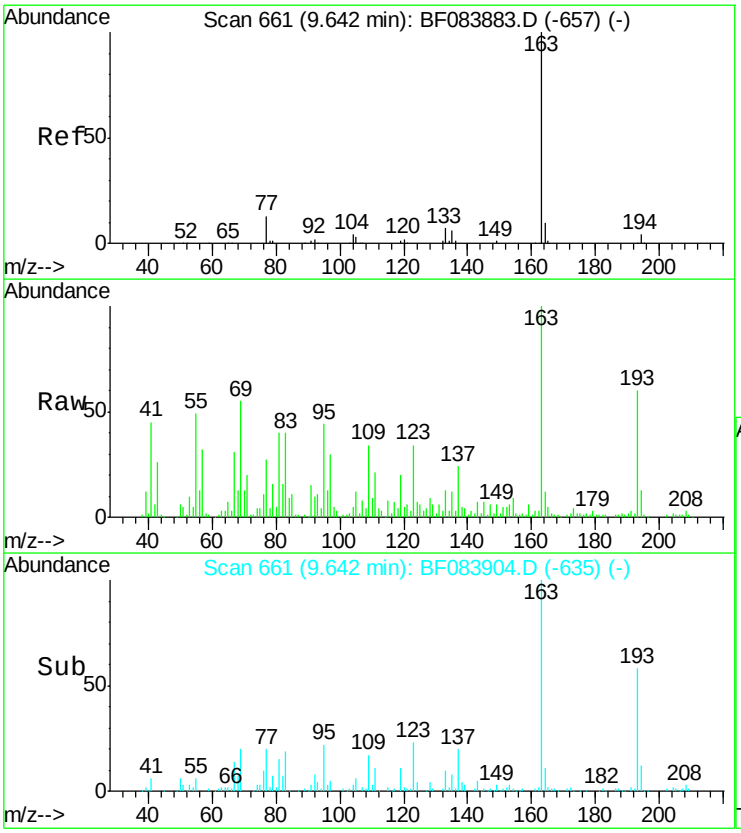
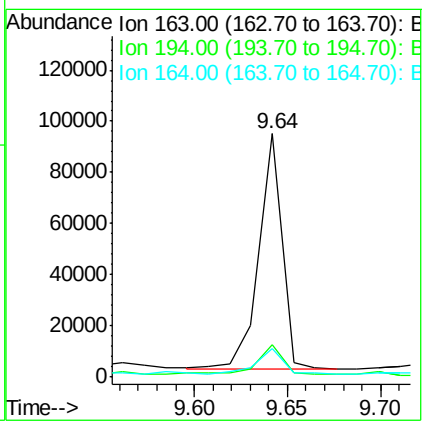


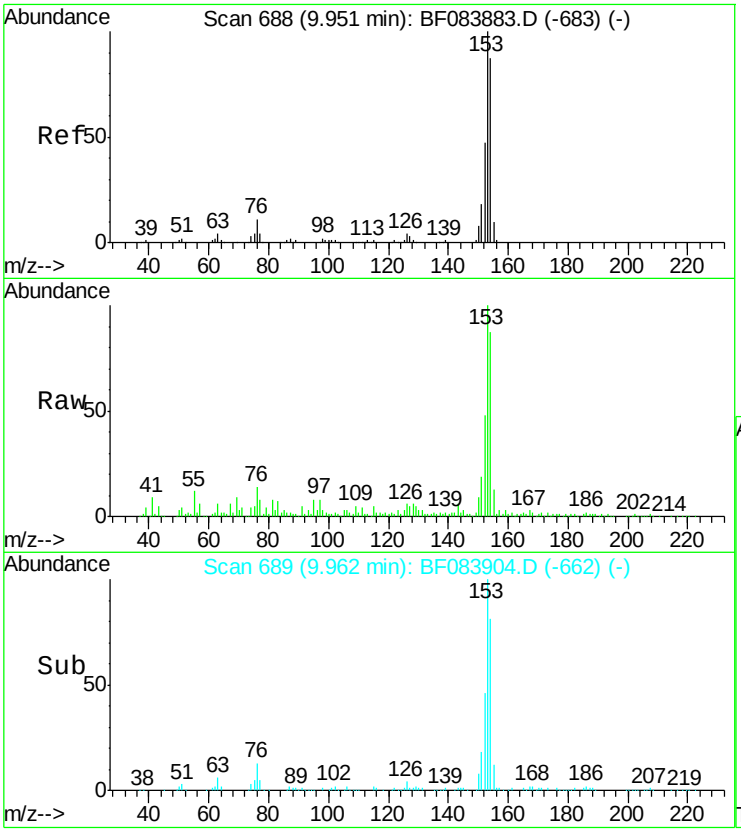


#49
Dimethylphthalate
Concen: 5.29 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:163 Resp: 79535

Ion	Ratio	Lower	Upper
163	100		
194	13.2	3.0	4.6#
164	11.5	7.9	11.9

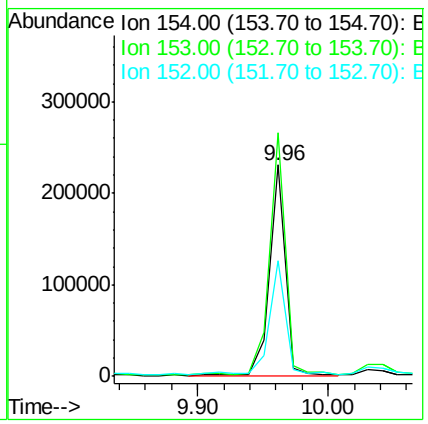




#51
Acenaphthene
Concen: 15.05 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:154 Resp: 193239

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.5	137.3
152	54.9	43.0	64.6



Instrument :
BNA_F
ClientSampleId :
K210-10-15

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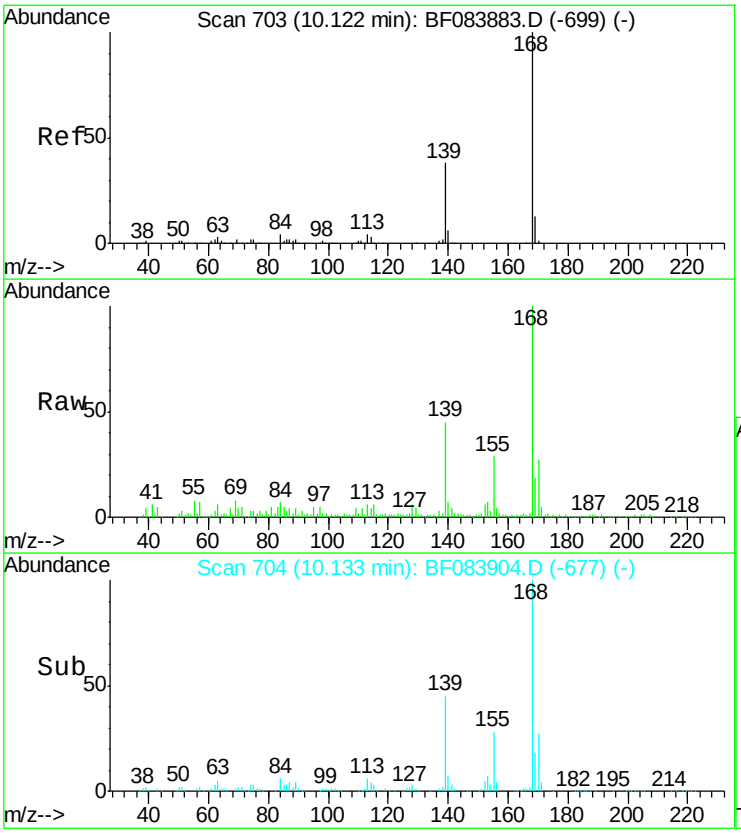
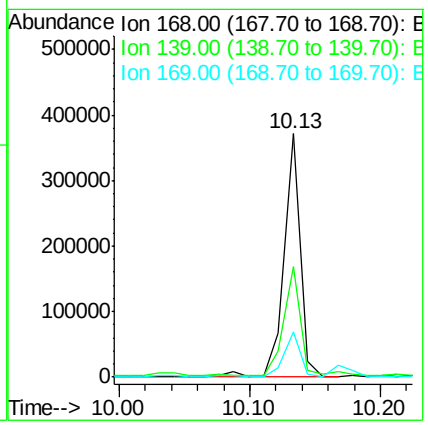
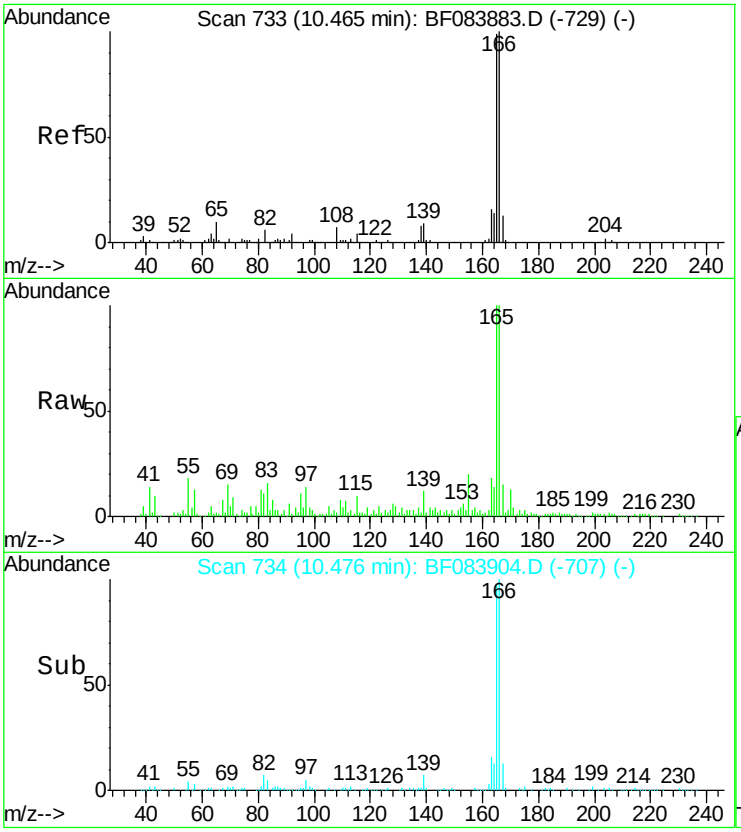


#54
Dibenzofuran
Concen: 19.59 ng
RT: 10.13 min Scan# 704
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:168 Resp: 326636

Ion	Ratio	Lower	Upper
168	100		
139	45.2	30.5	45.7
169	18.5	10.4	15.6#

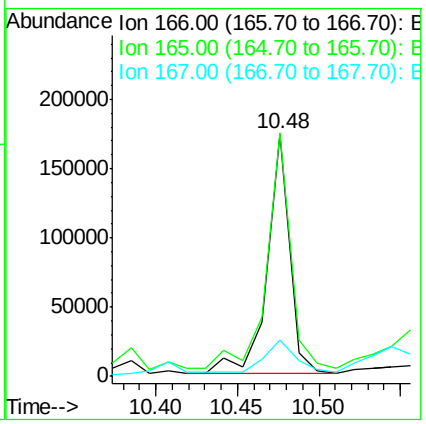




#57
Fluorene
Concen: 10.90 ng
RT: 10.48 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:166 Resp: 167082

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.1	118.7
167	14.8	10.4	15.6



Instrument :
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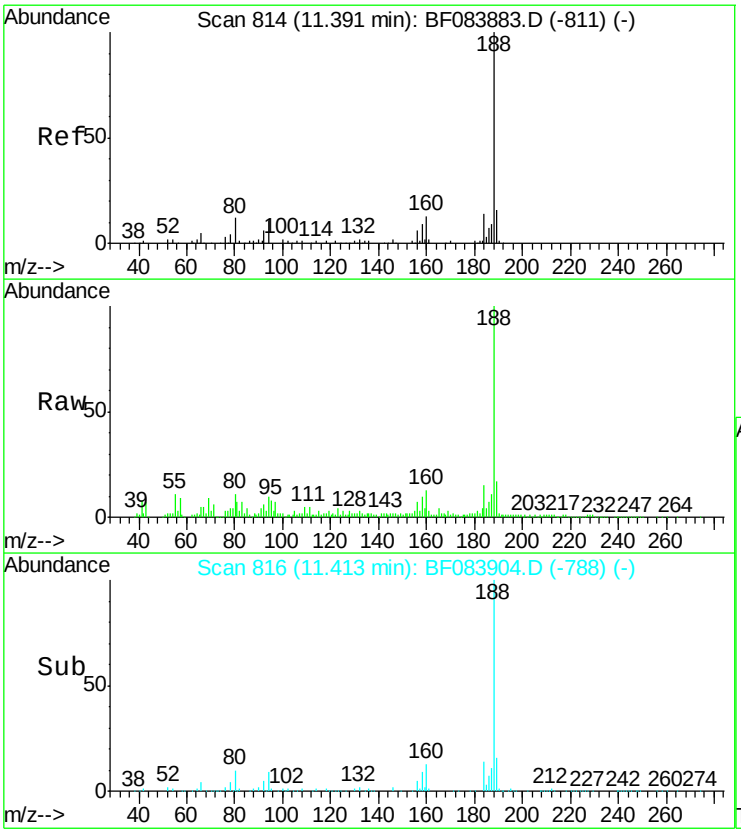
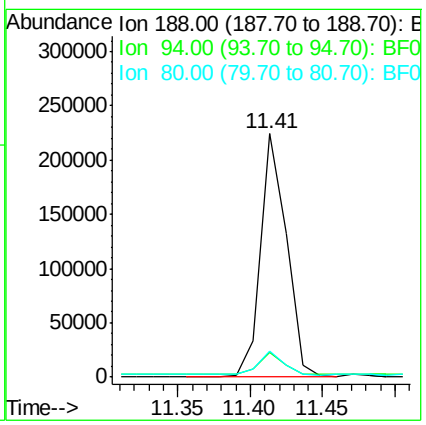
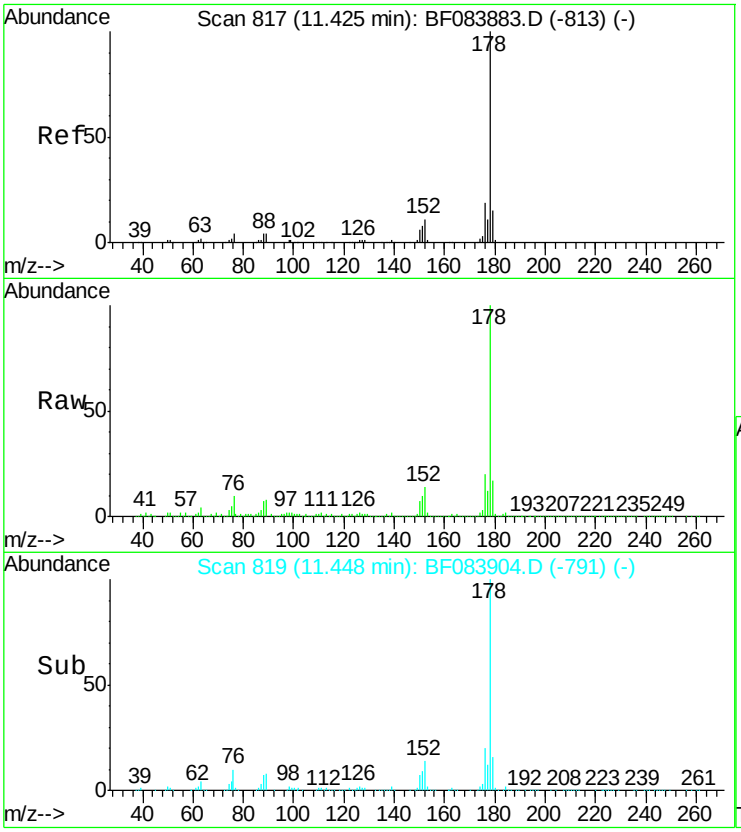


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:188 Resp: 274184

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.9	9.6	14.4

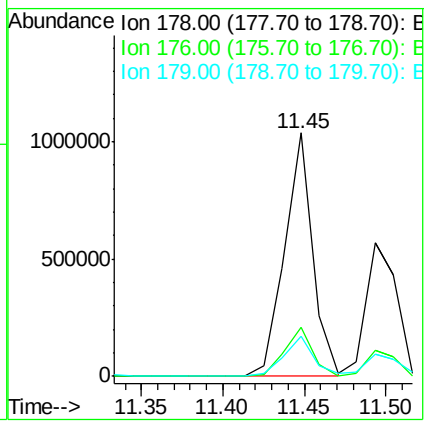




#70
Phenanthrene
Concen: 74.75 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

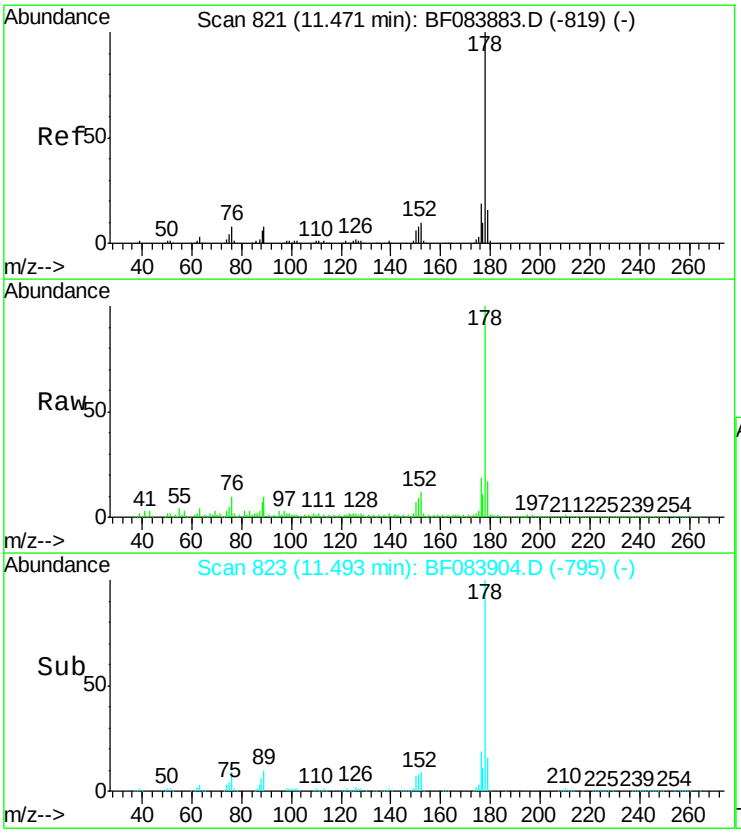
Tgt Ion:178 Resp: 1238198

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.3	22.9
179	16.6	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
K210-10-15

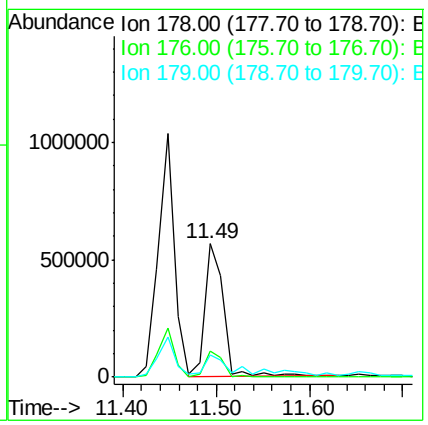
Manual Integrations APPROVED
MMdadoda
12/18/2015 6:22:07 PM

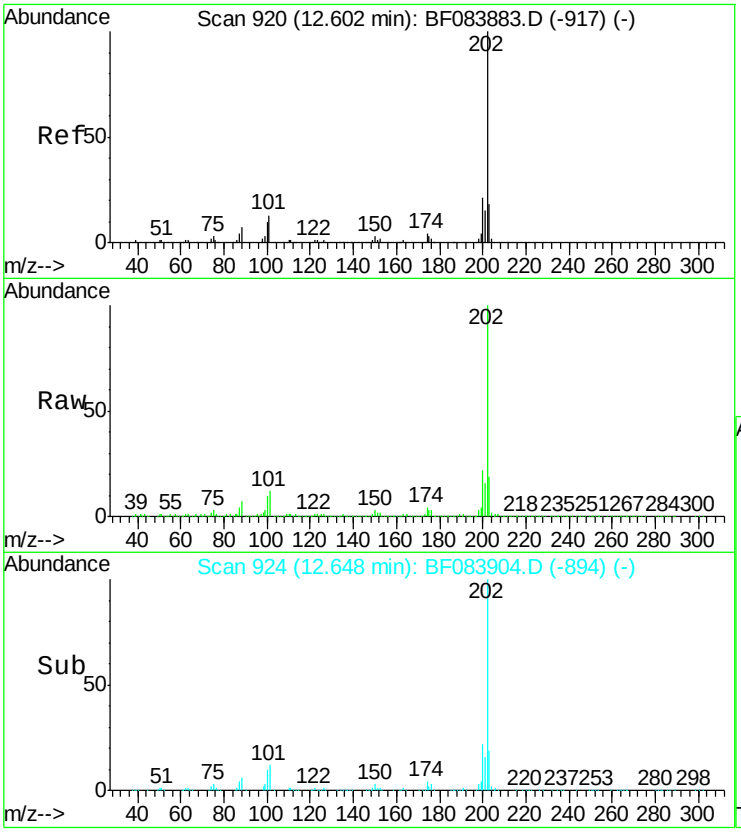


#71
Anthracene
Concen: 48.53 ng
RT: 11.49 min Scan# 823
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:178 Resp: 777138

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	16.7	12.5	18.7

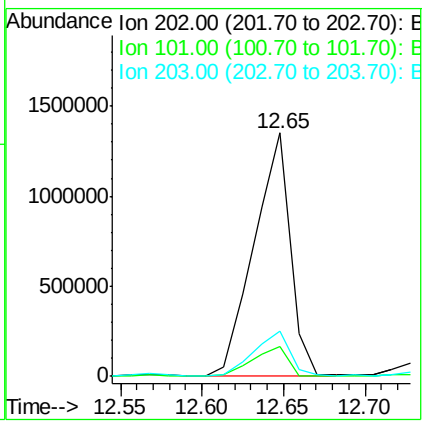




#74
Fluoranthene
Concen: 125.80 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.05 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:202 Resp: 2079562

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.8
203	18.8	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
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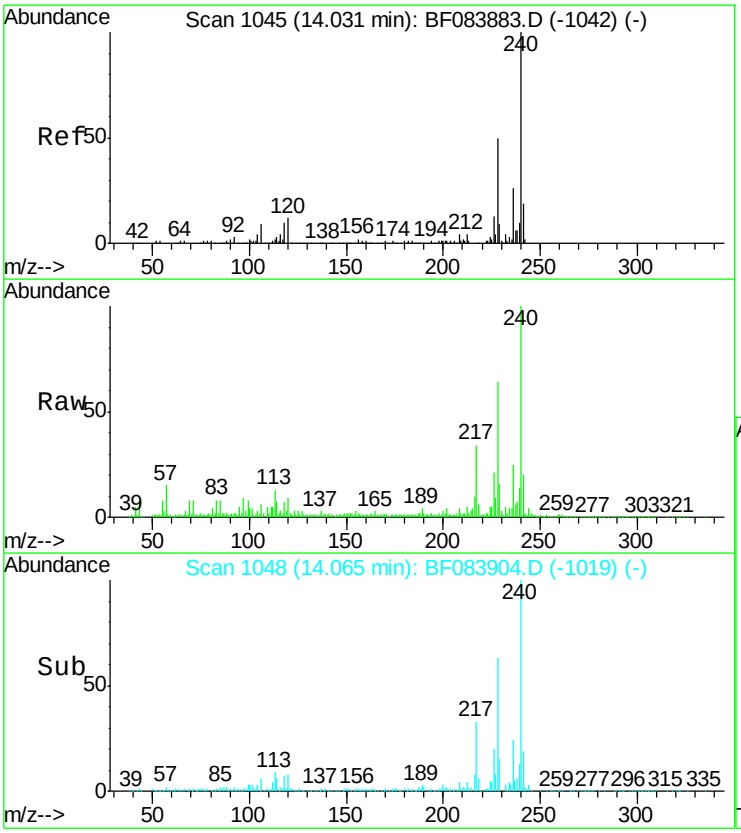
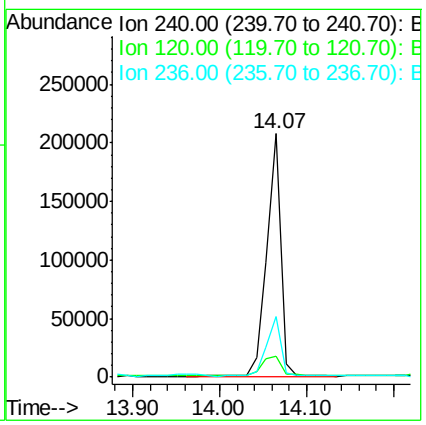
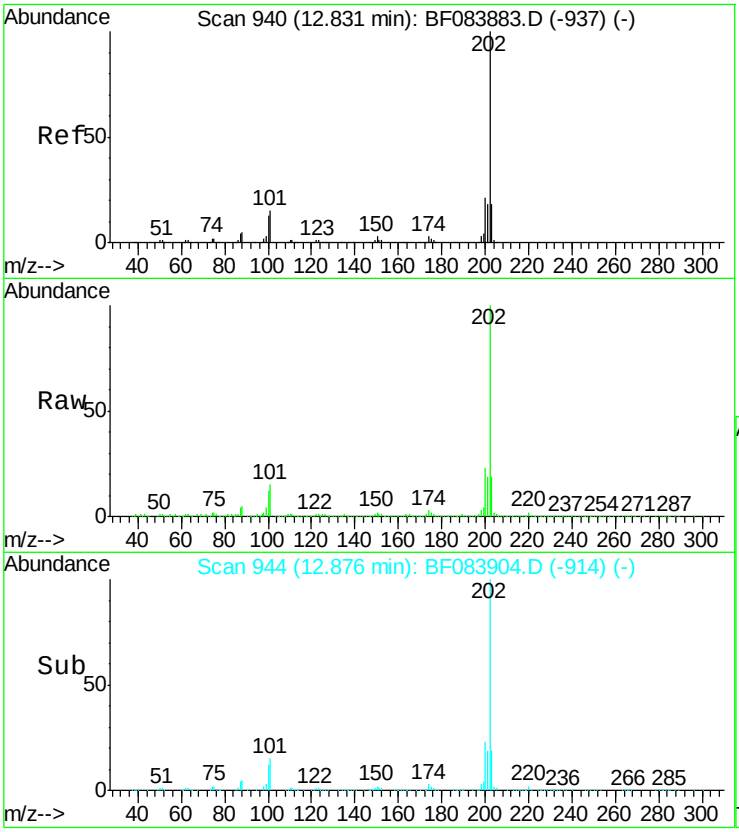


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:240 Resp: 230432

Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.0	20.6	31.0

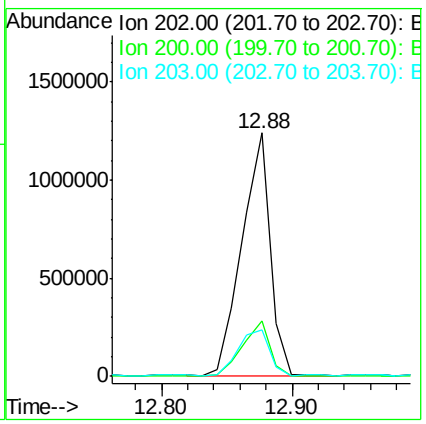




#77
Pyrene
Concen: 102.45 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.05 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:202 Resp: 1869214

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.2	25.8
203	19.2	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
K210-10-15

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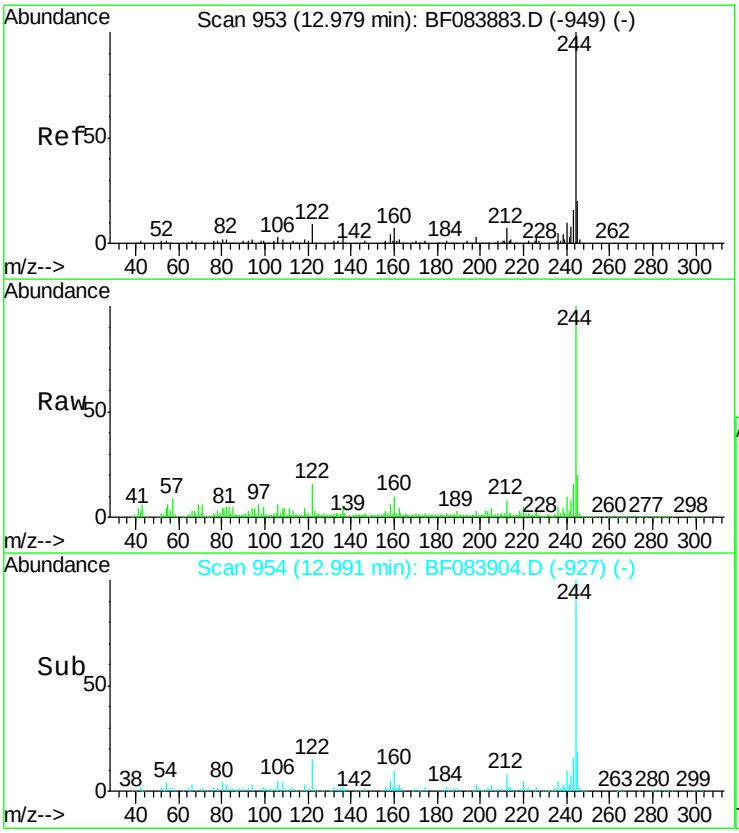
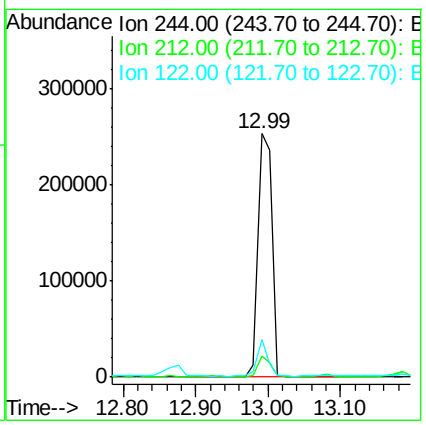
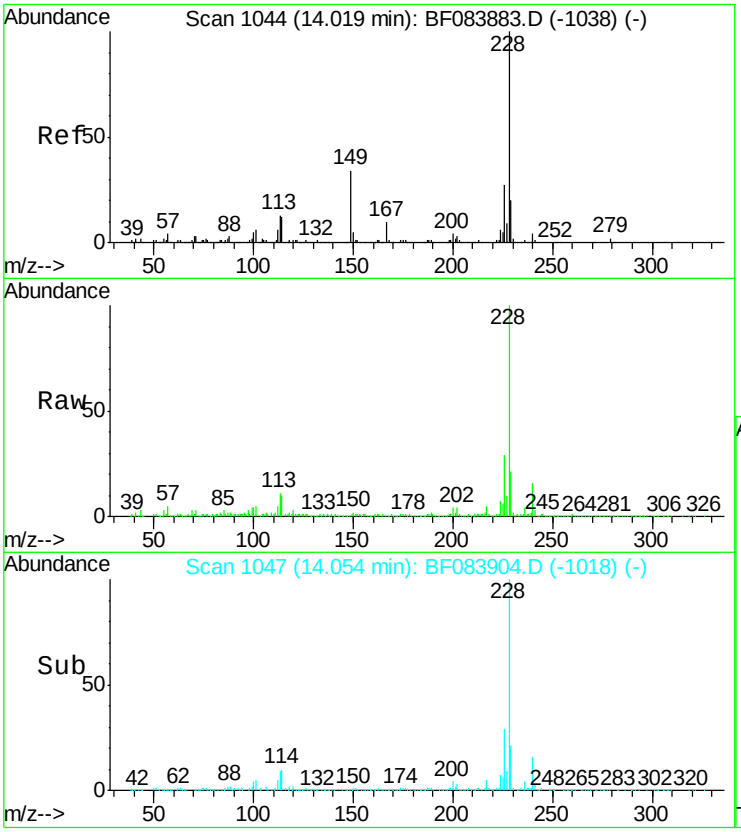


#78
Terphenyl-d14
Concen: 31.46 ng
RT: 12.99 min Scan# 954
Delta R.T. 0.01 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:244 Resp: 348977

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.7	8.5
122	15.5	7.4	11.0#

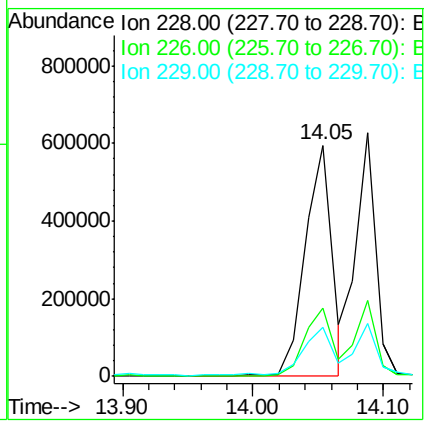




#80
Benzo(a)anthracene
Concen: 59.86 ng
RT: 14.05 min Scan# 1047
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:228 Resp: 848045

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.8	32.6
229	21.2	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
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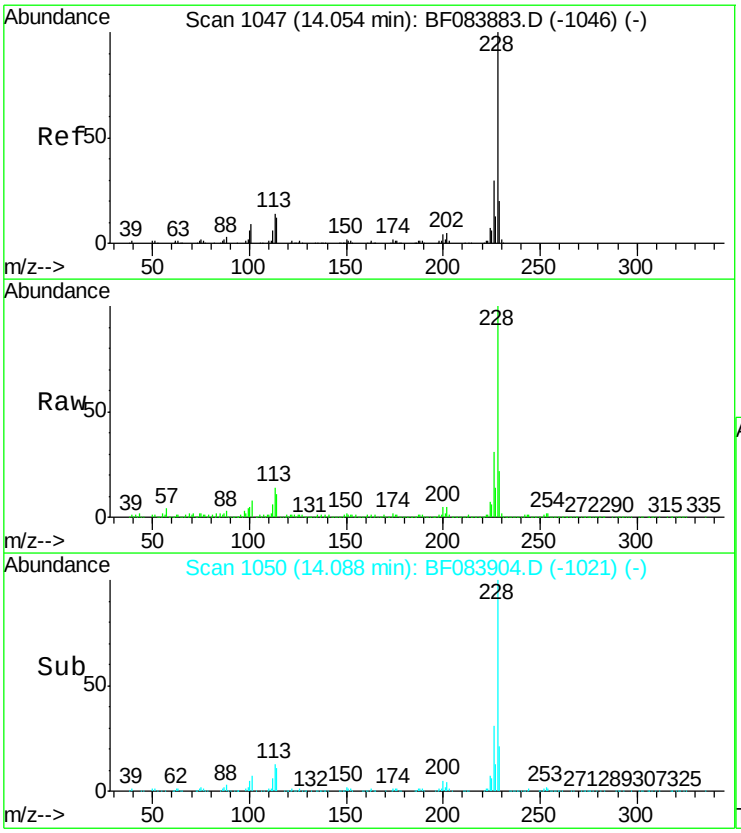
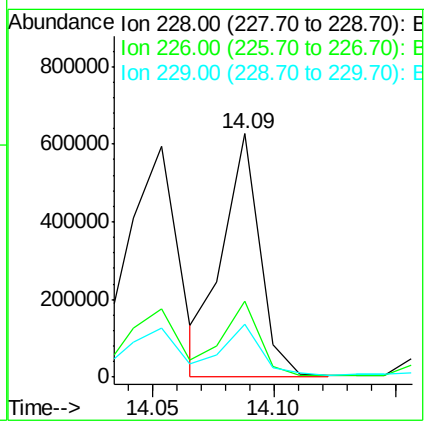
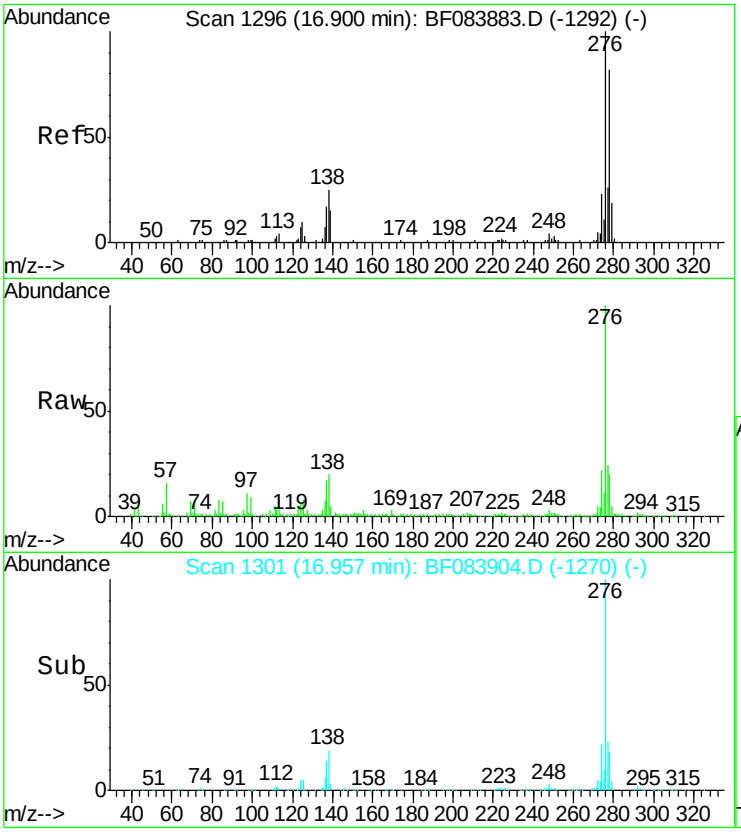


#82
Chrysene
Concen: 48.41 ng m
RT: 14.09 min Scan# 1050
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:228 Resp: 662526

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	21.6	16.1	24.1

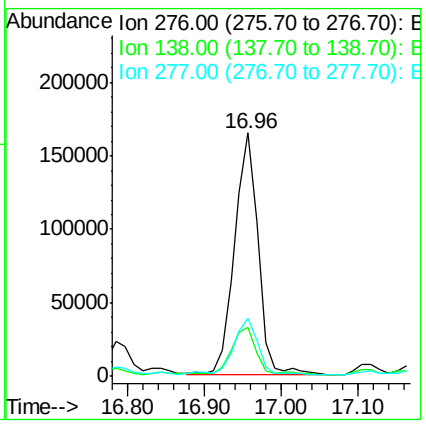




#85
Indeno(1,2,3-cd)pyrene
Concen: 34.49 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.06 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:276 Resp: 352998

Ion	Ratio	Lower	Upper
276	100		
138	21.4	20.6	30.8
277	24.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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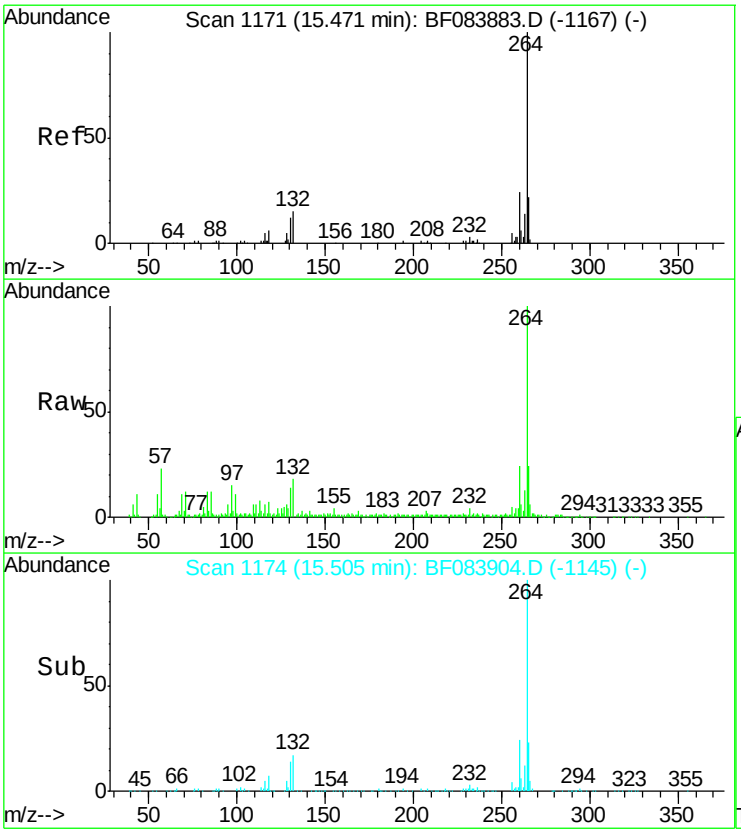
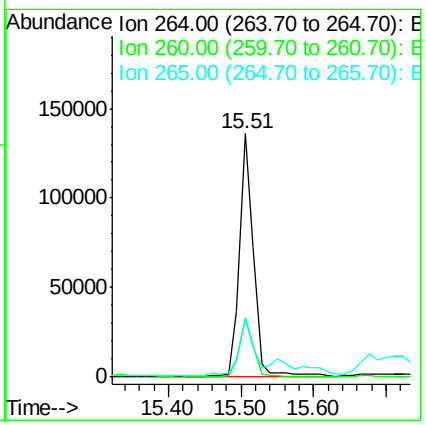
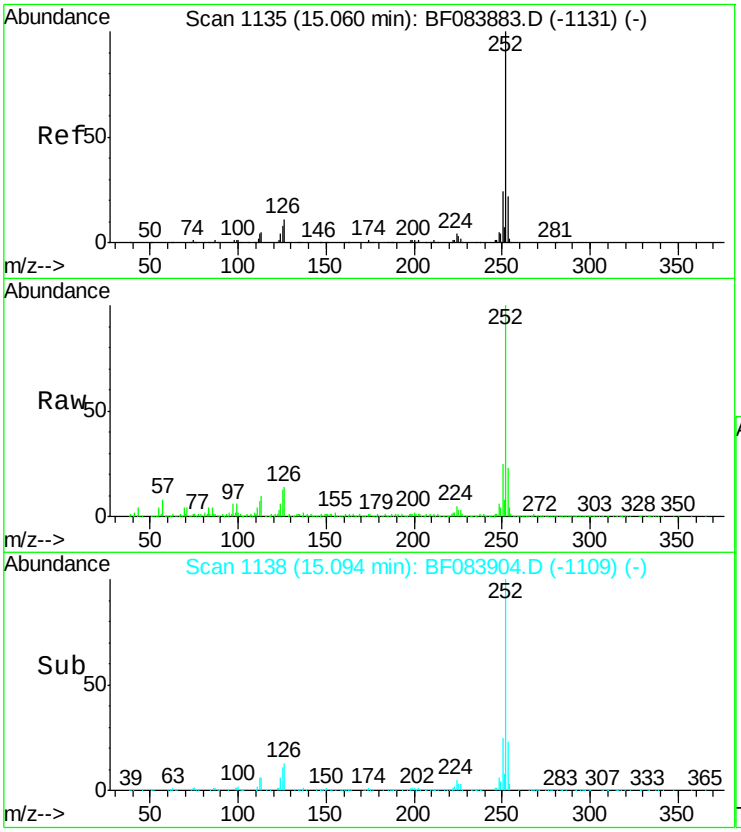


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:264 Resp: 181141

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	23.7	17.8	26.6





#87
Benzo(b)fluoranthene
Concen: 57.41 ng m
RT: 15.09 min Scan# 1138
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:252 Resp: 758187

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	12.9	6.5	9.7#

Instrument :
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ClientSampleId :
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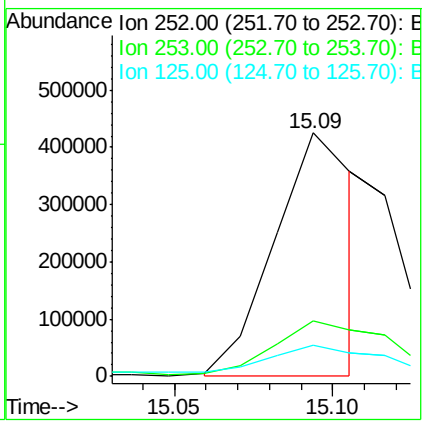
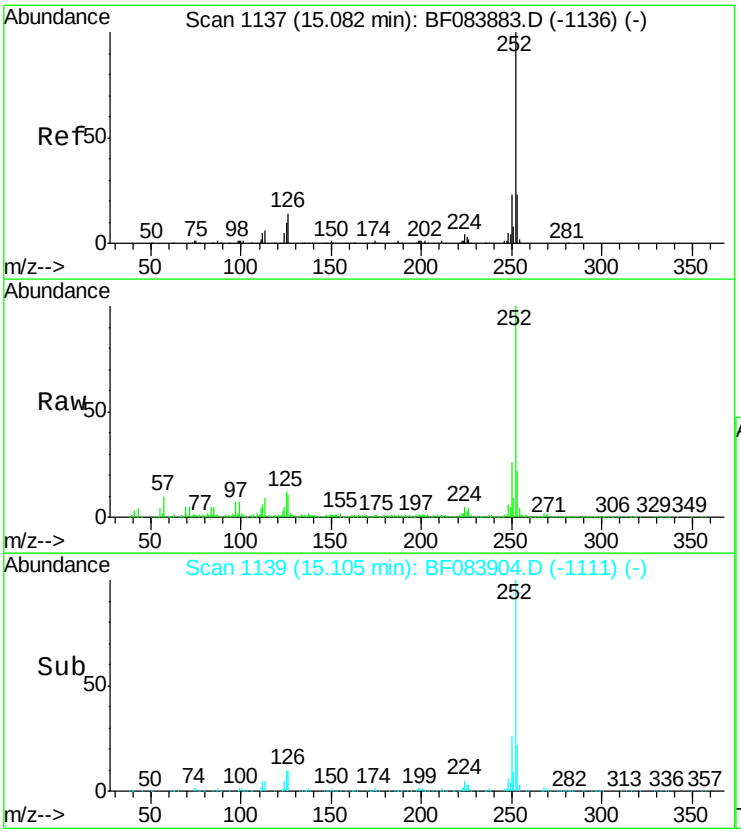
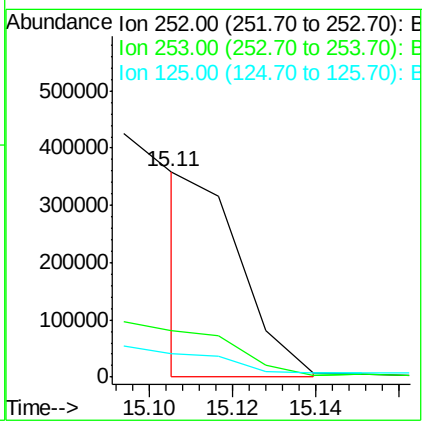


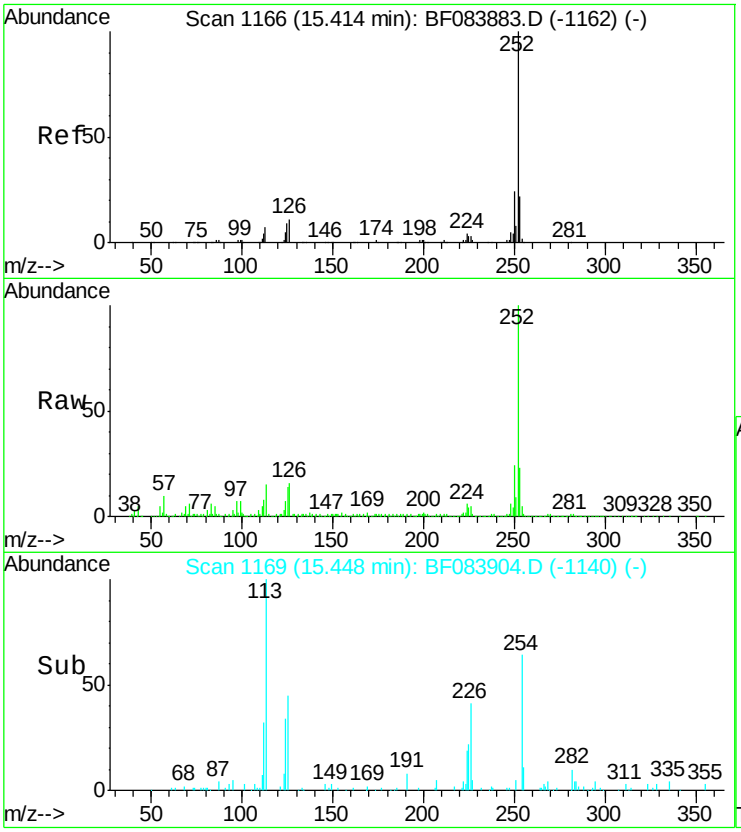


#88
Benzo(k)fluoranthene
Concen: 25.41 ng m
RT: 15.11 min Scan# 1139
Delta R.T. 0.02 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:252 Resp: 276806

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.7	9.0	13.6

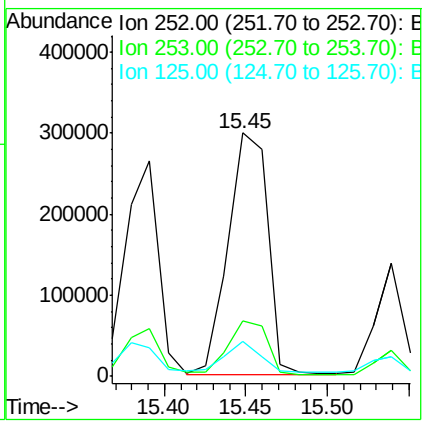




#89
Benzo(a)pyrene
Concen: 45.71 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.03 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:252 Resp: 498500

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	14.2	7.0	10.4#



Instrument :
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ClientSampleId :
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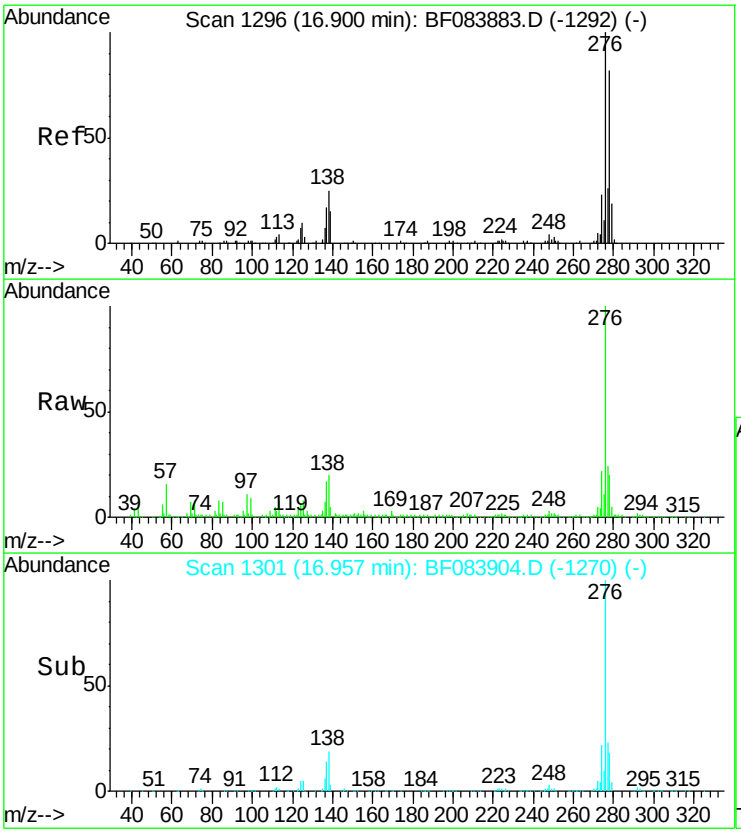
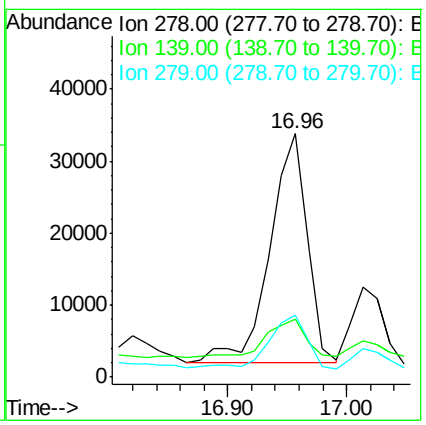
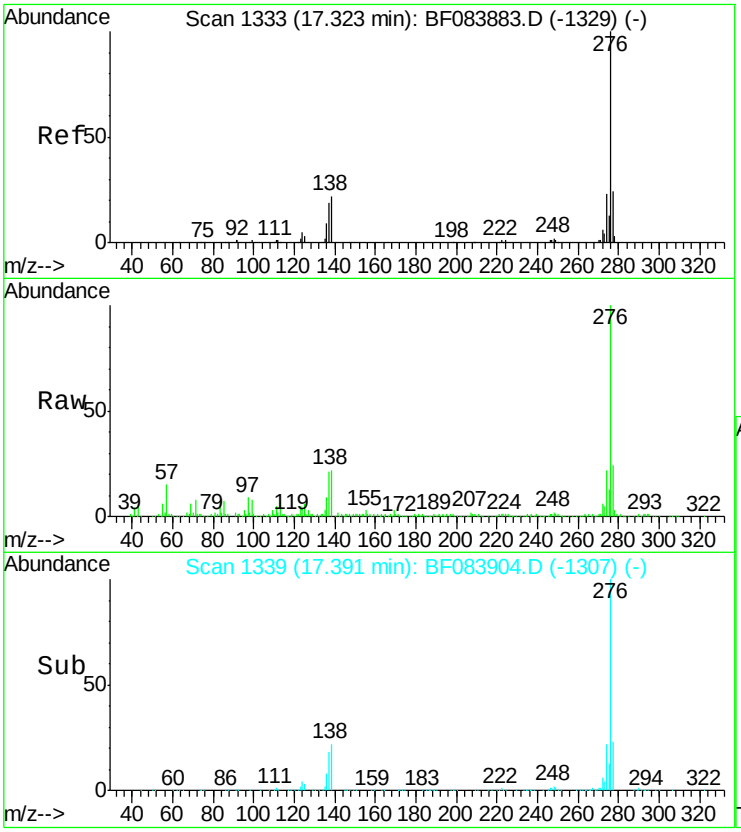


#90
Dibenzo(a,h)anthracene
Concen: 8.14 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.06 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:278 Resp: 69086

Ion	Ratio	Lower	Upper
278	100		
139	23.7	15.0	22.4#
279	25.7	18.9	28.3

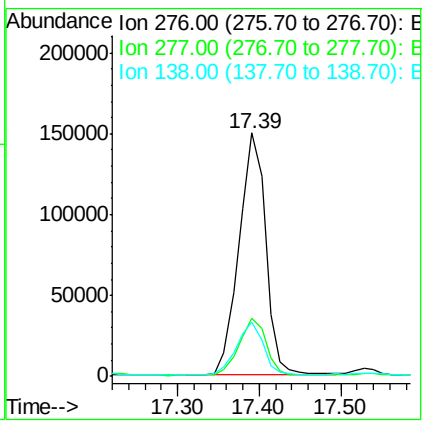




#91
Benzo(g,h,i)perylene
Concen: 41.14 ng
RT: 17.39 min Scan# 1339
Delta R.T. 0.07 min
Lab File: BF083904.D
Acq: 18 Dec 2015 8:32

Tgt Ion:276 Resp: 342085

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	22.5	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
K210-10-15

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