Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081376.D
Acq On : 3 Sep 2015 5:30
Operator : UM/IZ
Sample : G3469-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MGP207BR-25-25.5

Manual Integrations APPROVED
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Quant Time: Sep 03 06:01:13 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 01 17:35:35 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	53313	20.00	ng		0.00
21) Naphthalene-d8	7.68	136	199613	20.00	ng		0.00
38) Acenaphthene-d10	9.42	164	95995	20.00	ng		0.00
63) Phenanthrene-d10	10.88	188	165306	20.00	ng		0.00
75) Chrysene-d12	13.50	240	103273	20.00	ng		0.00
86) Perylene-d12	14.81	264	87968	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.96	112	573190	166.81	ng		0.03
7) Phenol-d6	6.07	99	699362	153.76	ng		0.01
23) Nitrobenzene-d5	6.97	82	511888	123.72	ng		0.00
41) 2,4,6-Tribromophenol	10.20	330	128513	150.35	ng		0.00
44) 2-Fluorobiphenyl	8.76	172	828846	110.65	ng		0.00
78) Terphenyl-d14	12.47	244	487424	109.87	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.70	128	668312	62.78	ng		97
32) Benzoic acid	7.51	122	2787	3.68	ng	#	36
37) 2-Methylnaphthalene	8.39	142	89058	12.86	ng	#	87
45) 1,1'-Biphenyl	8.86	154	39936	4.52	ng		94
48) Acenaphthylene	9.28	152	286419	25.31	ng		98
49) Dimethylphthalate	9.16	163	113708	15.25	ng	#	97
51) Acenaphthene	9.45	154	50085	7.78	ng		89
54) Dibenzofuran	9.62	168	160277	17.05	ng	#	89
57) Fluorene	9.95	166	162081	22.72	ng		95
70) Phenanthrene	10.91	178	950210	103.39	ng		96
71) Anthracene	10.96	178	271076	28.71	ng		98
72) Carbazole	11.12	167	99896	11.27	ng		97
74) Fluoranthene	12.09	202	929092	93.39	ng		88
77) Pyrene	12.31	202	727147	95.05	ng		96
80) Benzo(a)anthracene	13.49	228	255019	38.78	ng	#	89
82) Chrysene	13.52	228	150991	25.61	ng		94
85) Indeno(1,2,3-cd)pyrene	15.90	276	122399	28.30	ng	#	80
87) Benzo(b)fluoranthene	14.48	252	228738m	36.42	ng		
88) Benzo(k)fluoranthene	14.49	252	63062m	12.10	ng		
89) Benzo(a)pyrene	14.75	252	185520	34.86	ng	#	88
90) Dibenzo(a,h)anthracene	15.90	278	17473m	4.25	ng		
91) Benzo(g,h,i)perylene	16.22	276	131193	33.43	ng	#	77

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

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Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

Manual Integrations APPROVED
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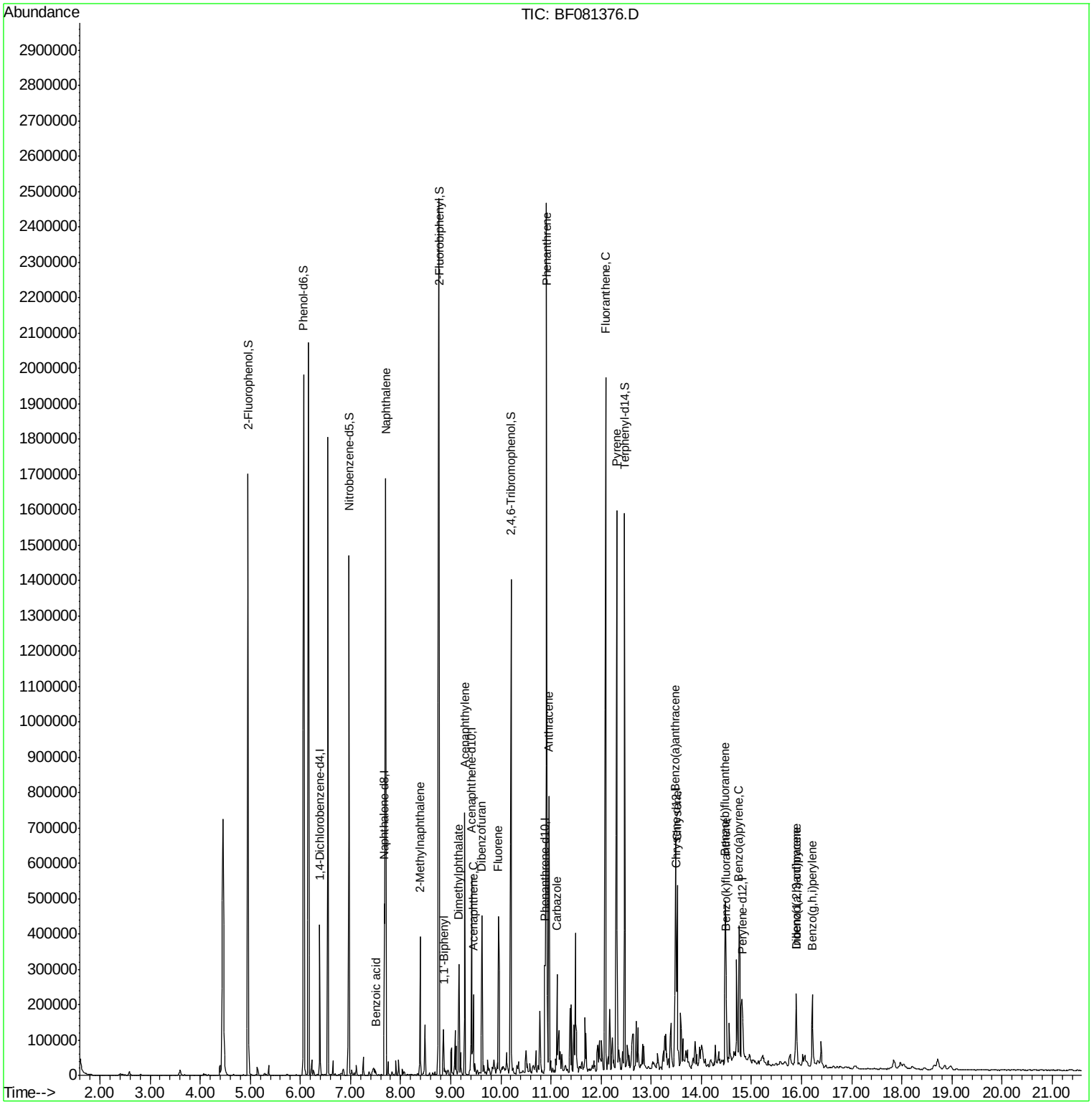
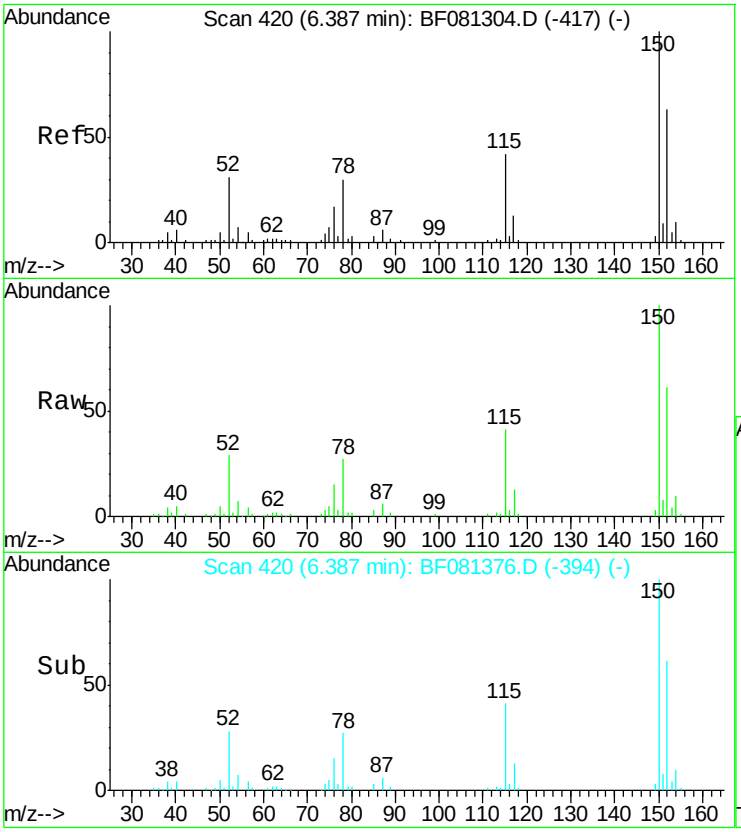
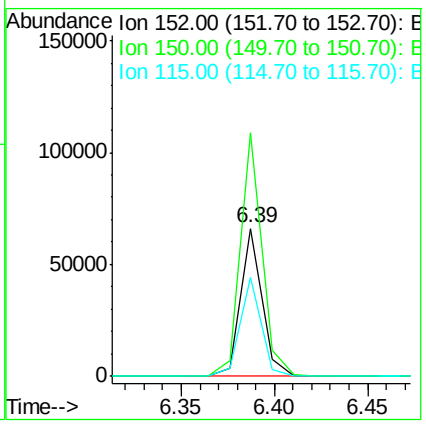




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:152 Resp: 53313

Ion	Ratio	Lower	Upper
152	100		
150	164.8	124.7	187.1
115	67.4	39.0	58.4#



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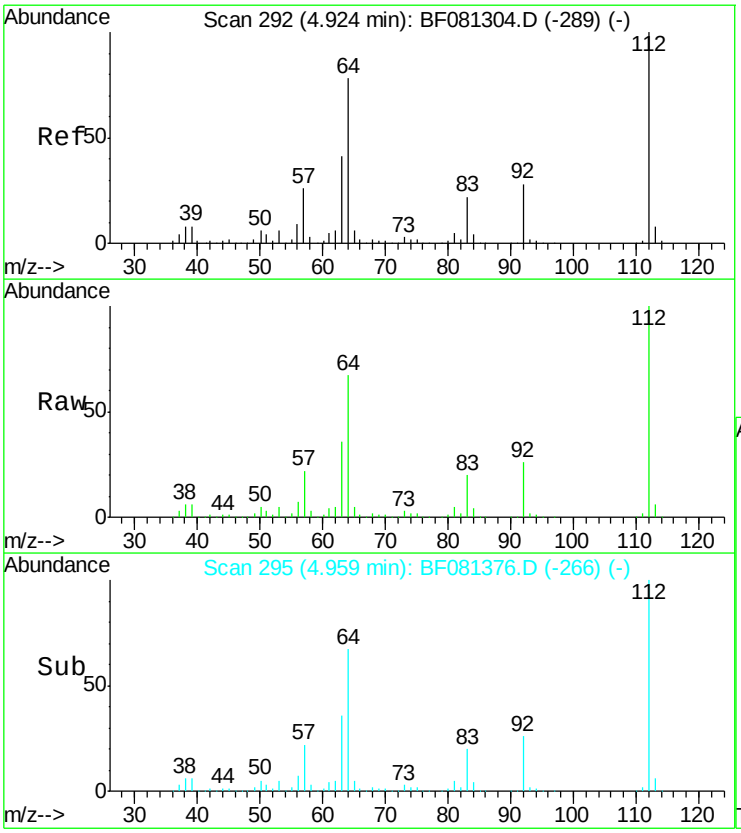
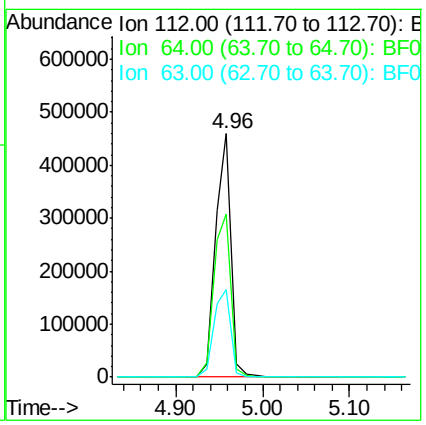
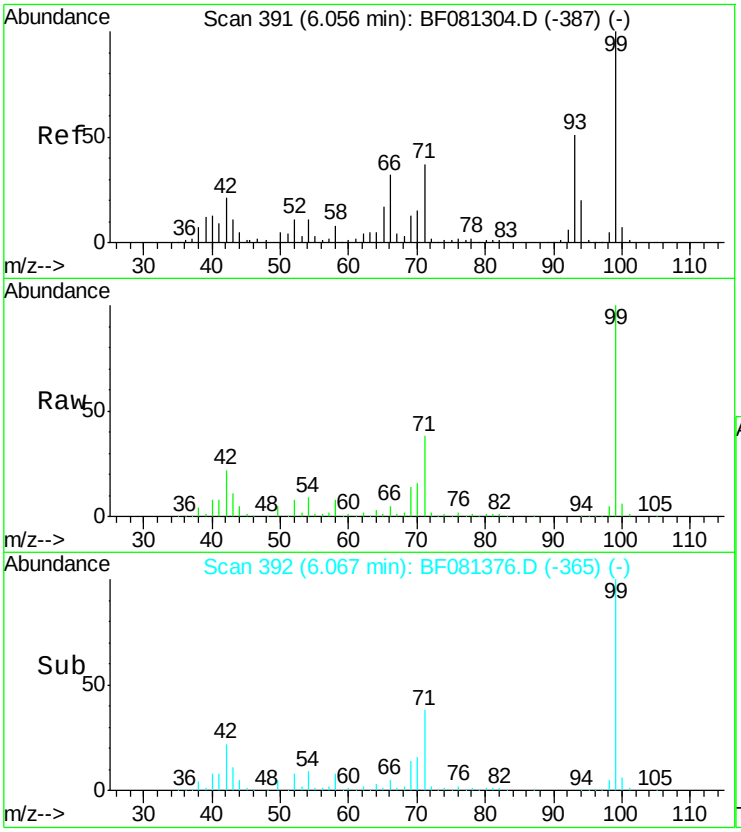


#5
2-Fluorophenol
Concen: 166.81 ng
RT: 4.96 min Scan# 295
Delta R.T. 0.03 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:112 Resp: 573190

Ion	Ratio	Lower	Upper
112	100		
64	66.9	39.7	59.5#
63	35.7	17.4	26.0#





#7
Phenol-d6
Concen: 153.76 ng
RT: 6.07 min Scan# 392
Delta R.T. 0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion: 99 Resp: 699362

Ion	Ratio	Lower	Upper
99	100		
42	22.5	13.7	20.5#
71	37.8	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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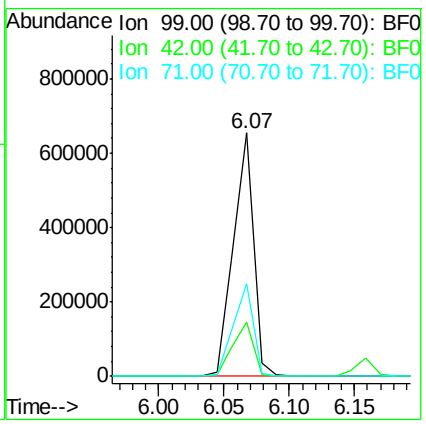
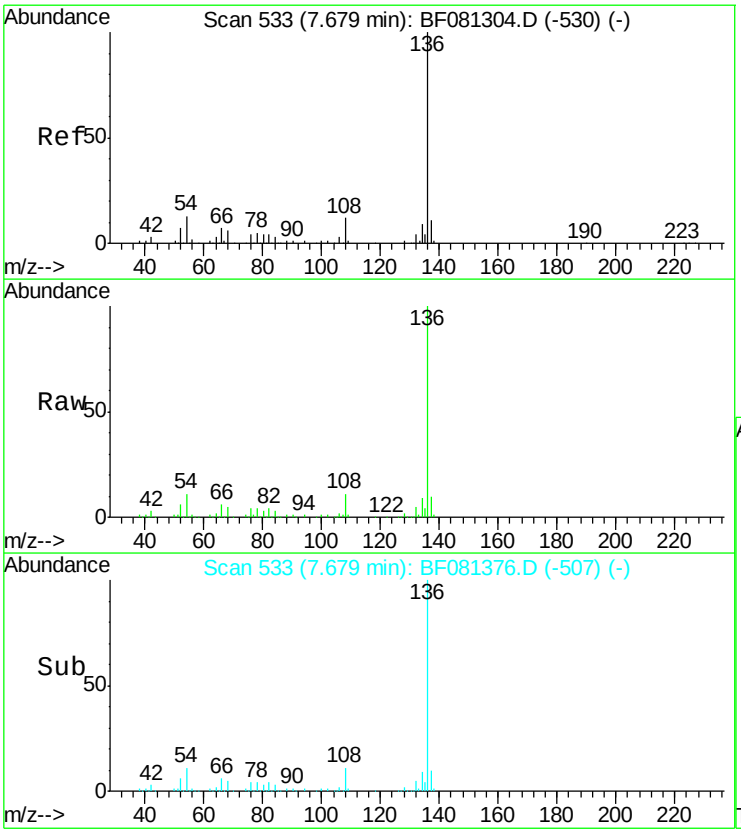
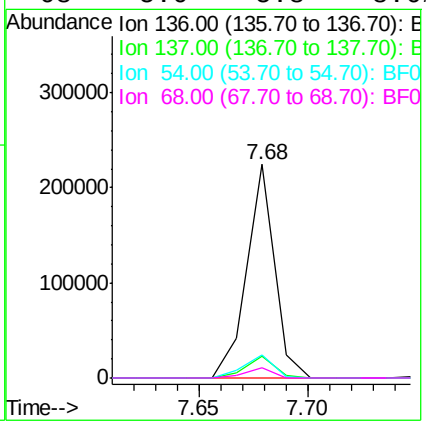


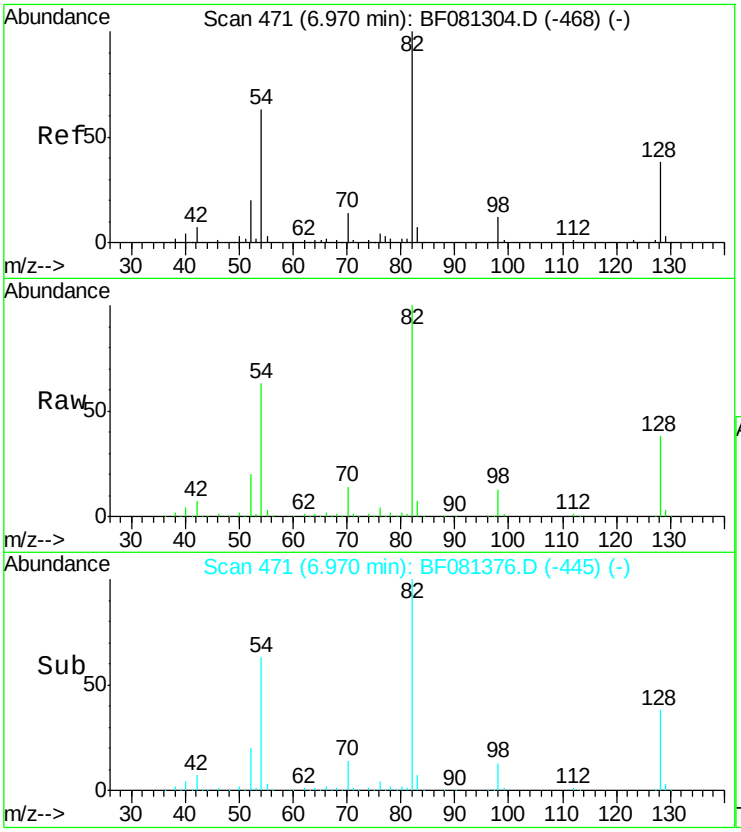


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:136 Resp: 199613

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	10.8	8.2	12.2
68	5.0	5.8	8.6#

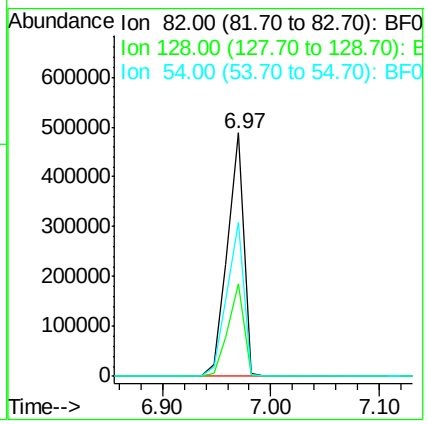




#23
Nitrobenzene-d5
Concen: 123.72 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion: 82 Resp: 511888

Ion	Ratio	Lower	Upper
82	100		
128	38.3	51.0	76.6#
54	63.3	47.5	71.3



Instrument :
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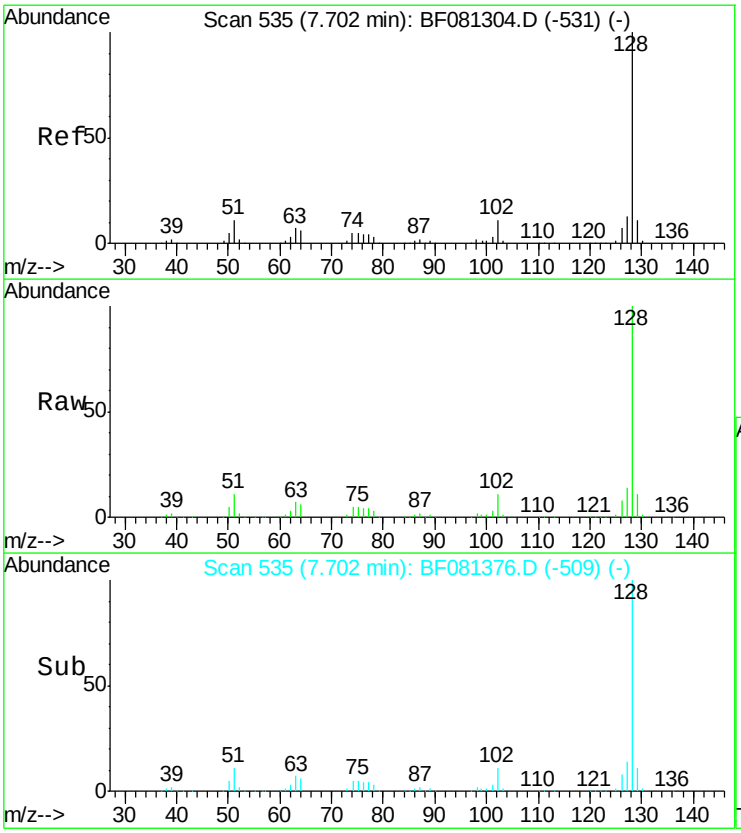
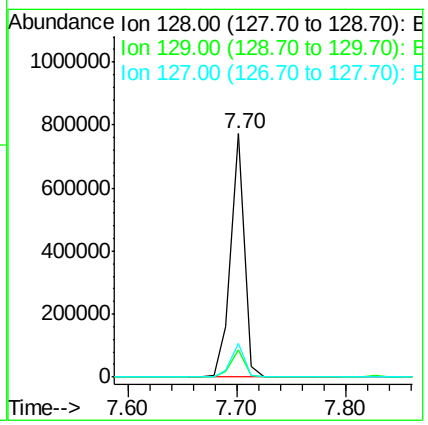
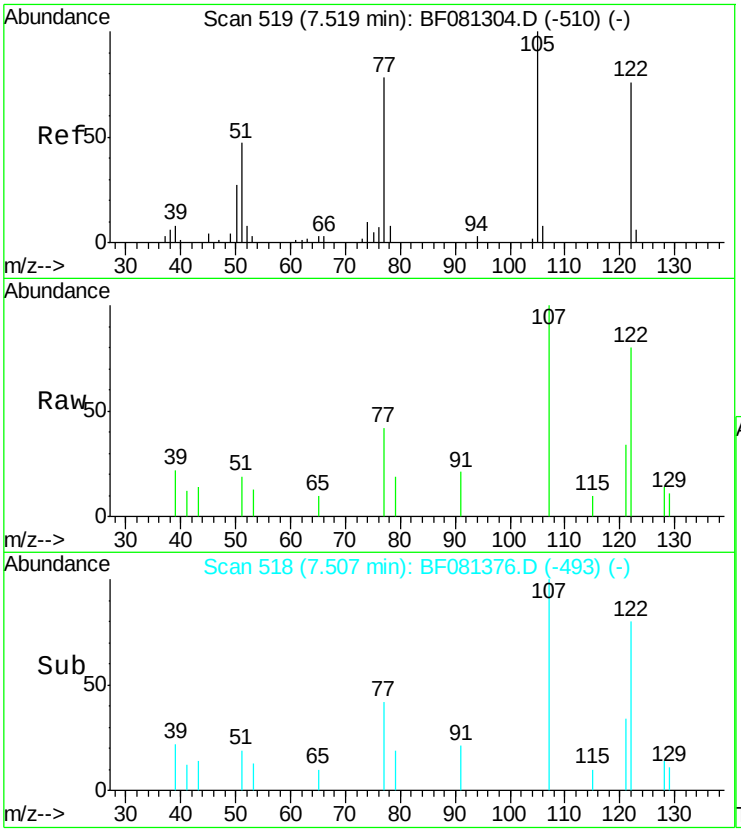


#31
Naphthalene
Concen: 62.78 ng
RT: 7.70 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:128 Resp: 668312

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.4	12.6
127	13.6	9.9	14.9

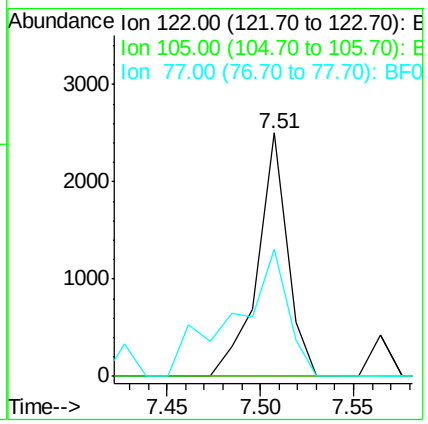




#32
Benzoic acid
Concen: 3.68 ng
RT: 7.51 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:122 Resp: 2787

Ion	Ratio	Lower	Upper
122	100		
105	0.0	76.1	116.1#
77	52.3	40.5	80.5



Instrument :
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ClientSampleId :
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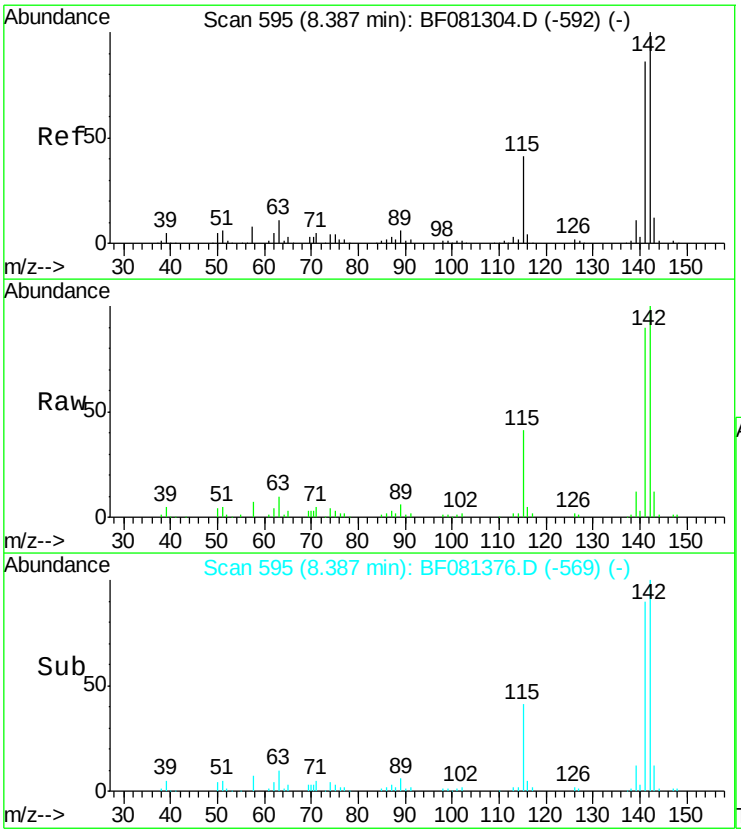
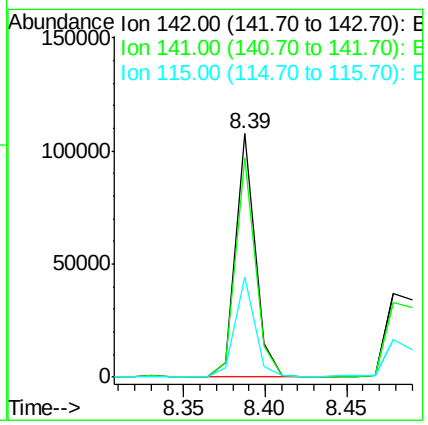
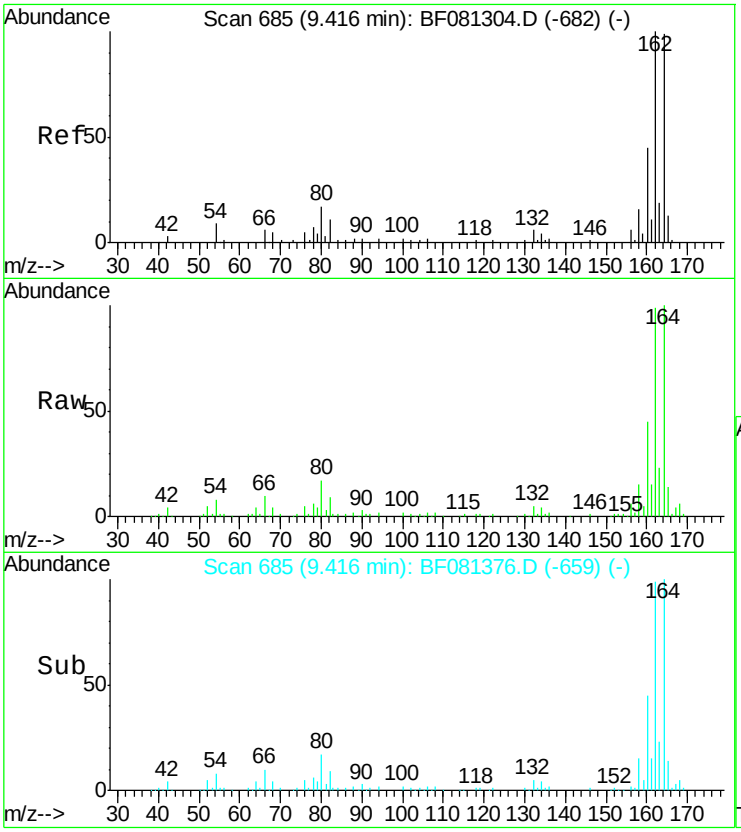


#37
2-Methylnaphthalene
Concen: 12.86 ng
RT: 8.39 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:142 Resp: 89058

Ion	Ratio	Lower	Upper
142	100		
141	90.3	67.5	101.3
115	41.1	18.2	27.2#

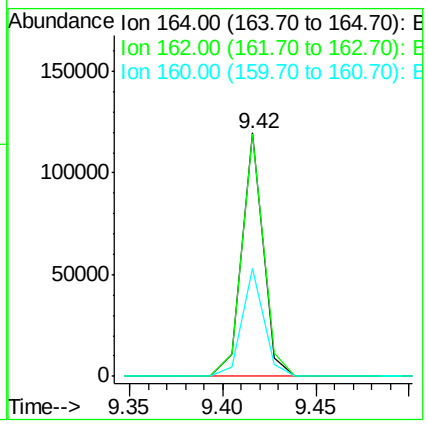




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:164 Resp: 95995

Ion	Ratio	Lower	Upper
164	100		
162	99.4	75.2	112.8
160	44.5	31.5	47.3



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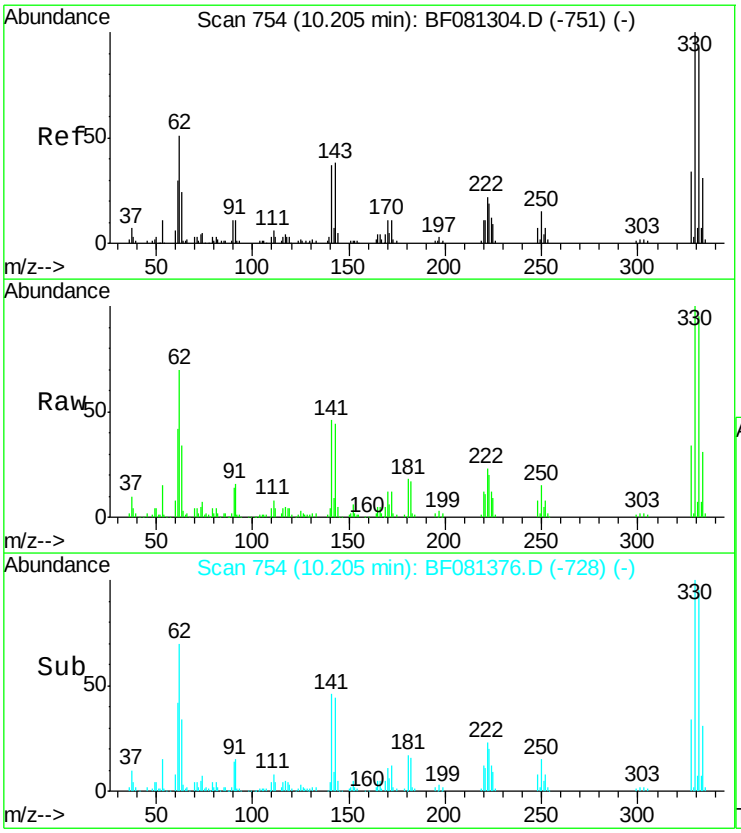
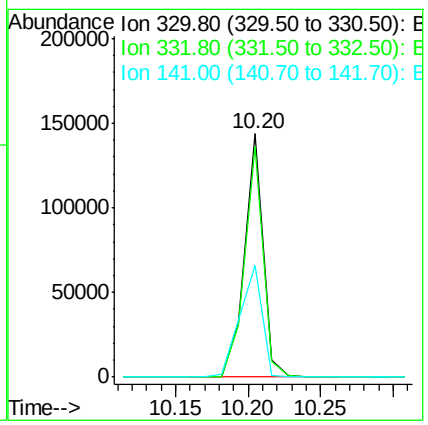
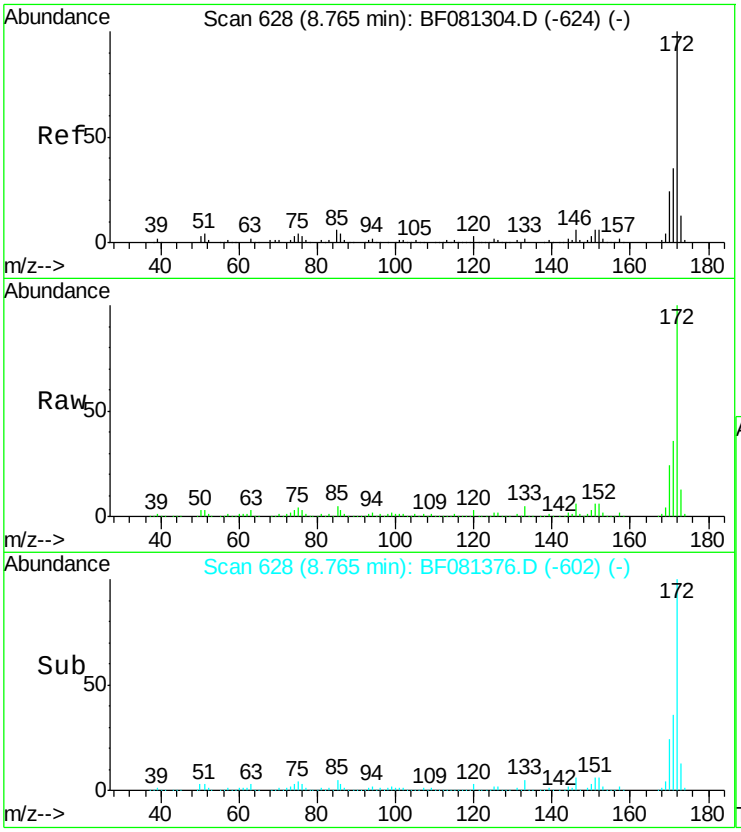


#41
2,4,6-Tribromophenol
Concen: 150.35 ng
RT: 10.20 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:330 Resp: 128513

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	55.4	29.7	44.5#

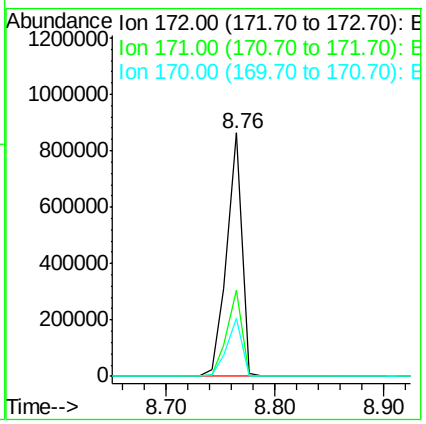




#44
2-Fluorobiphenyl
Concen: 110.65 ng
RT: 8.76 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:172 Resp: 828846

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	24.0	17.4	26.2



Instrument :
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ClientSampleId :
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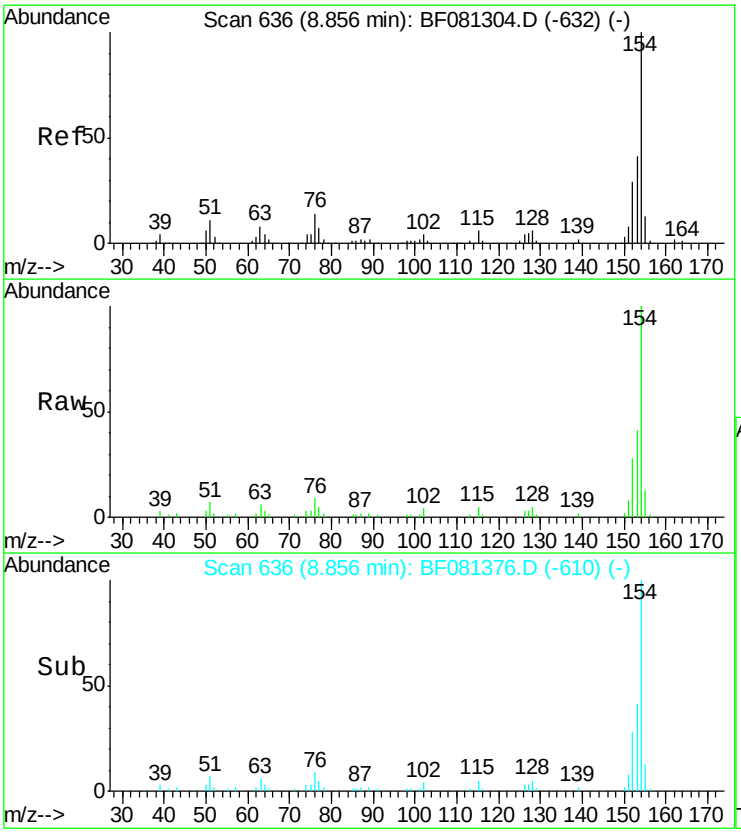
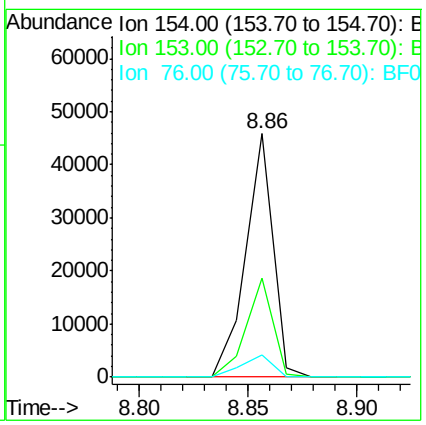
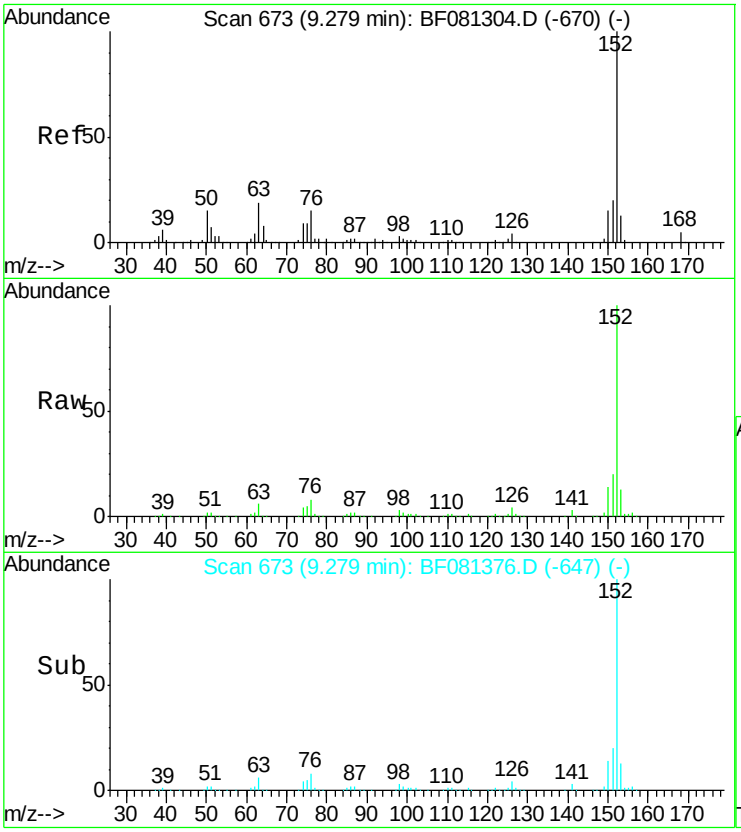


#45
1,1'-Biphenyl
Concen: 4.52 ng
RT: 8.86 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:154 Resp: 39936

Ion	Ratio	Lower	Upper
154	100		
153	40.9	17.1	57.1
76	9.1	0.0	31.6

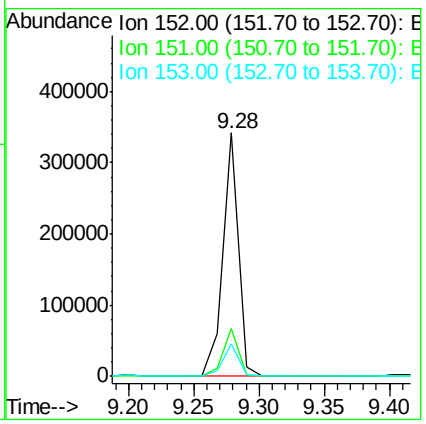




#48
Acenaphthylene
Concen: 25.31 ng
RT: 9.28 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:152 Resp: 286419

Ion	Ratio	Lower	Upper
152	100		
151	19.6	14.6	22.0
153	13.5	10.3	15.5



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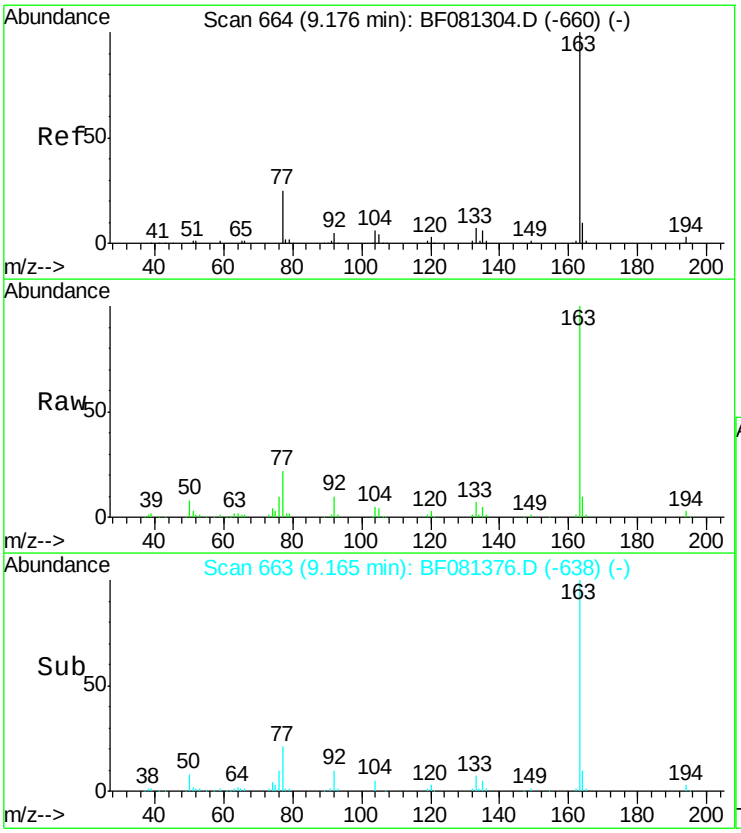
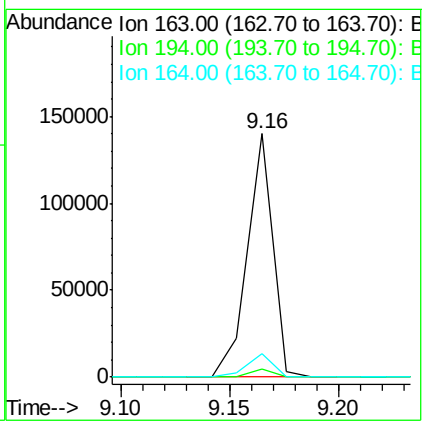
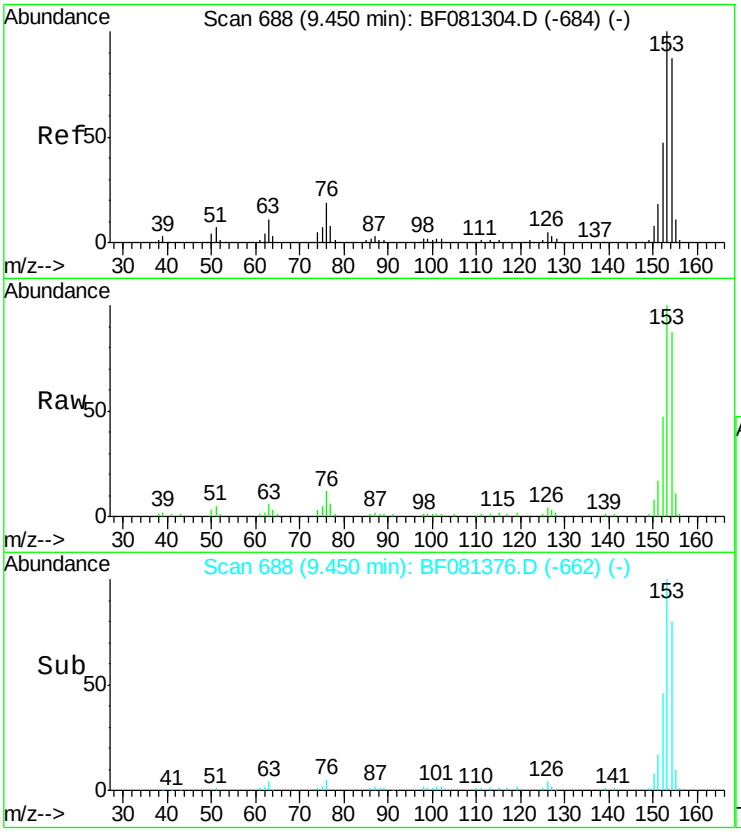


#49
Dimethylphthalate
Concen: 15.25 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:163 Resp: 113708

Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	9.7	8.3	12.5

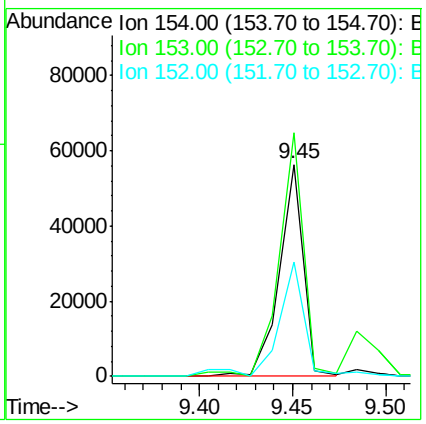




#51
Acenaphthene
Concen: 7.78 ng
RT: 9.45 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:154 Resp: 50085

Ion	Ratio	Lower	Upper
154	100		
153	114.8	82.1	123.1
152	54.1	37.9	56.9



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ClientSampleId :
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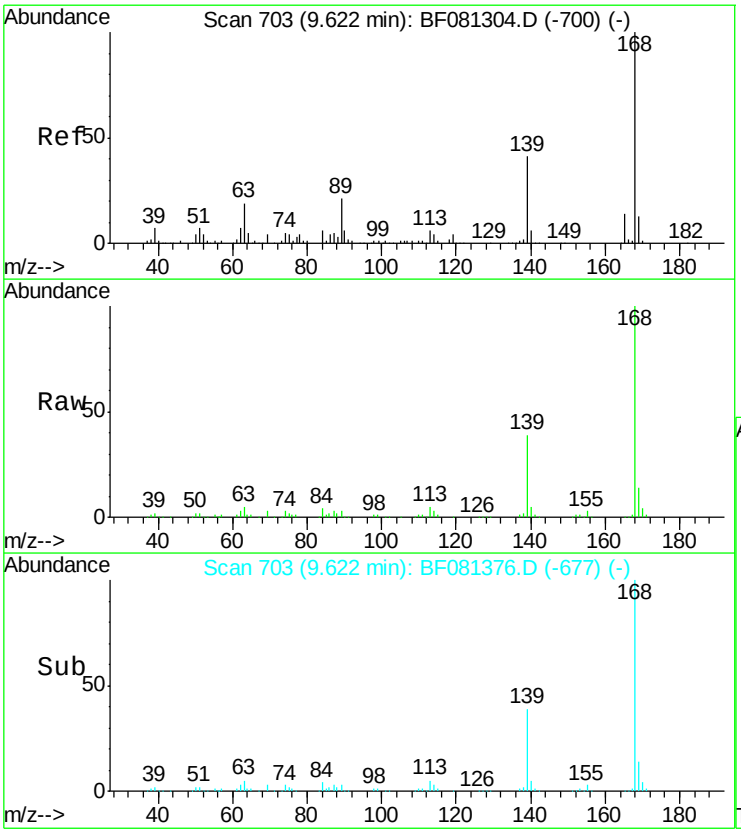
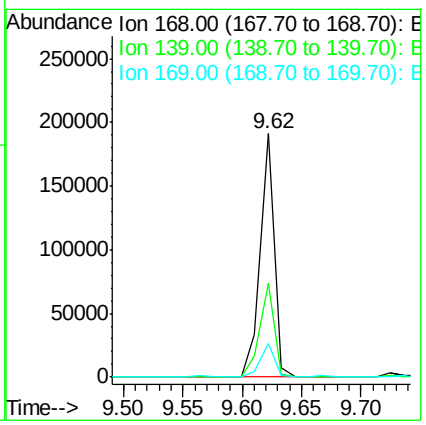
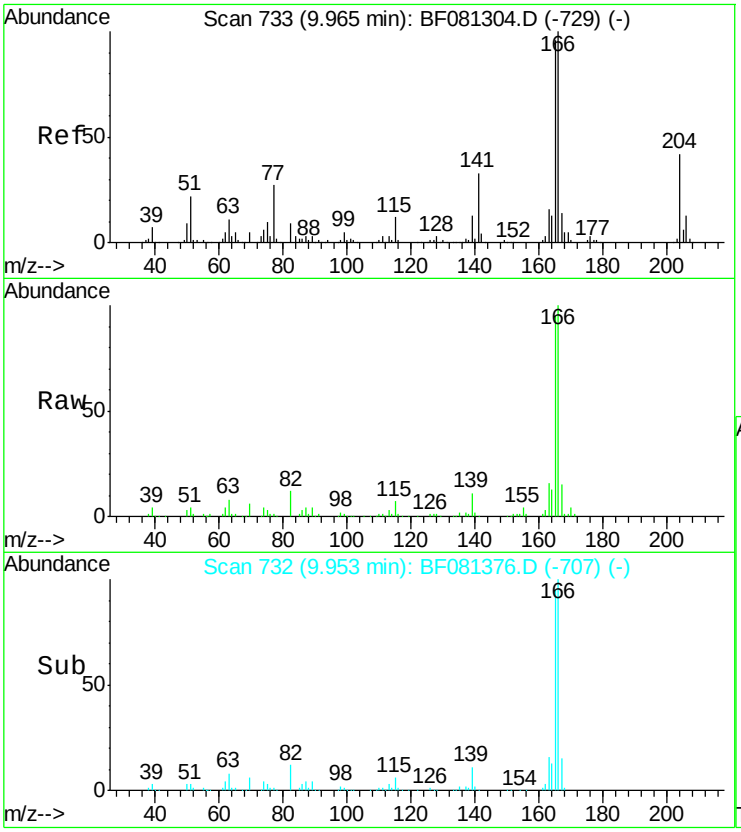


#54
Dibenzofuran
Concen: 17.05 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:168 Resp: 160277

Ion	Ratio	Lower	Upper
168	100		
139	38.8	24.2	36.2#
169	13.9	10.6	15.8

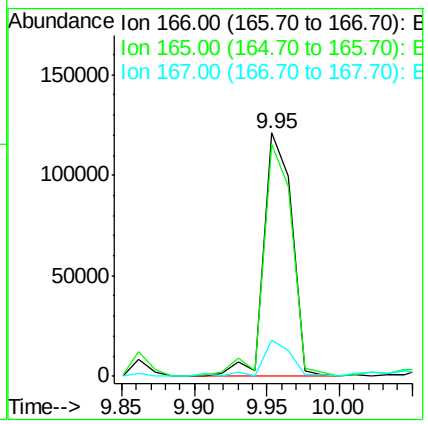




#57
Fluorene
Concen: 22.72 ng
RT: 9.95 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:166 Resp: 162081

Ion	Ratio	Lower	Upper
166	100		
165	95.2	72.6	109.0
167	15.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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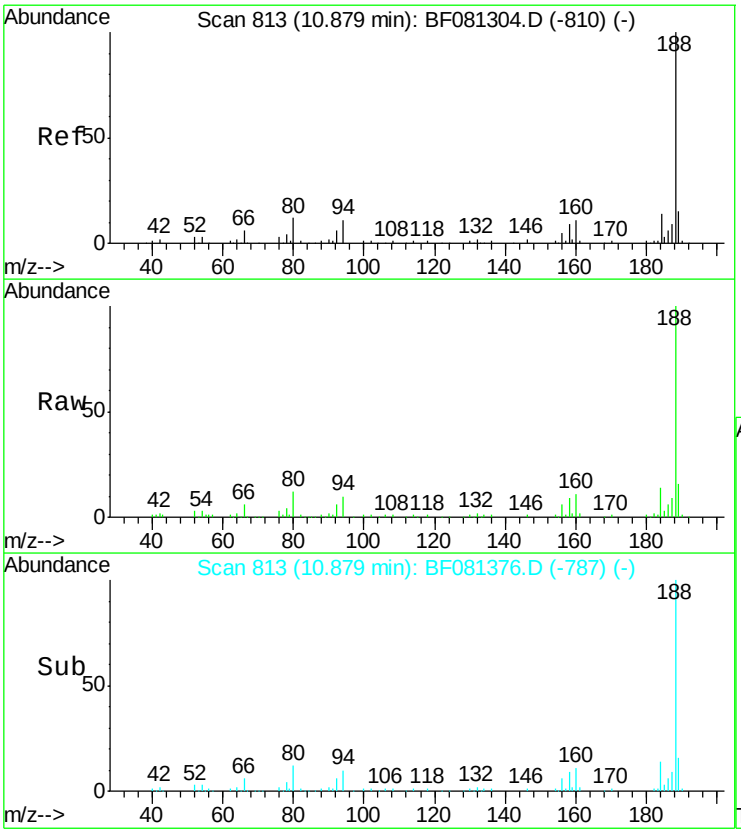
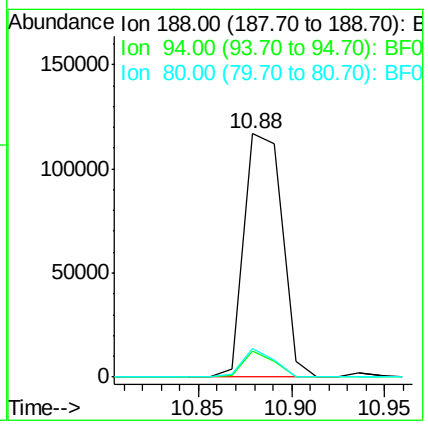
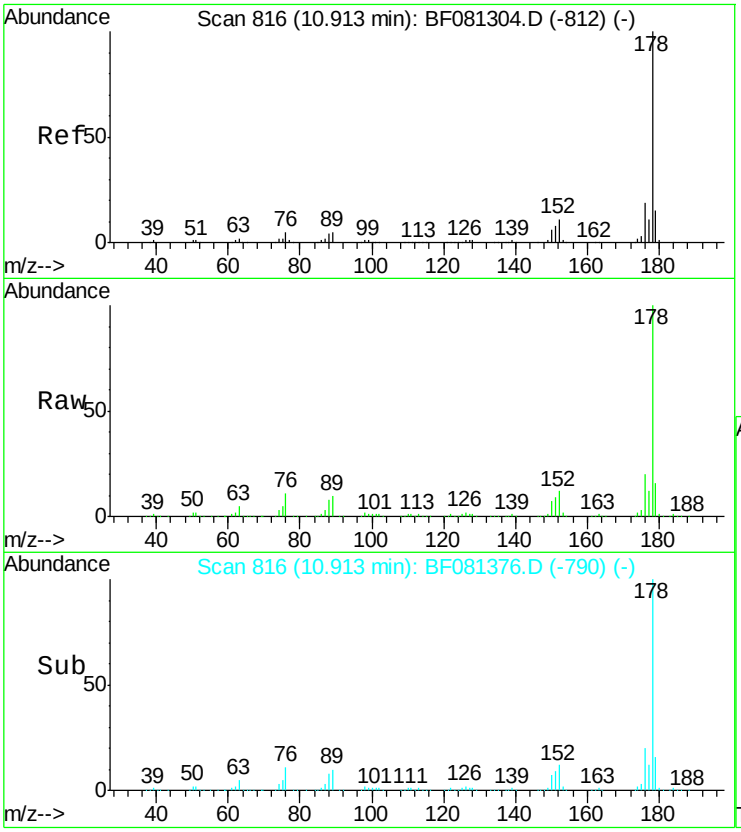


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:188 Resp: 165306

Ion	Ratio	Lower	Upper
188	100		
94	10.5	11.1	16.7#
80	11.9	11.0	16.4

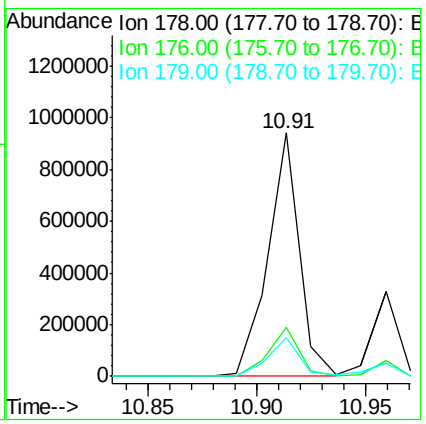




#70
Phenanthrene
Concen: 103.39 ng
RT: 10.91 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:178 Resp: 950210

Ion	Ratio	Lower	Upper
178	100		
176	20.1	13.8	20.8
179	16.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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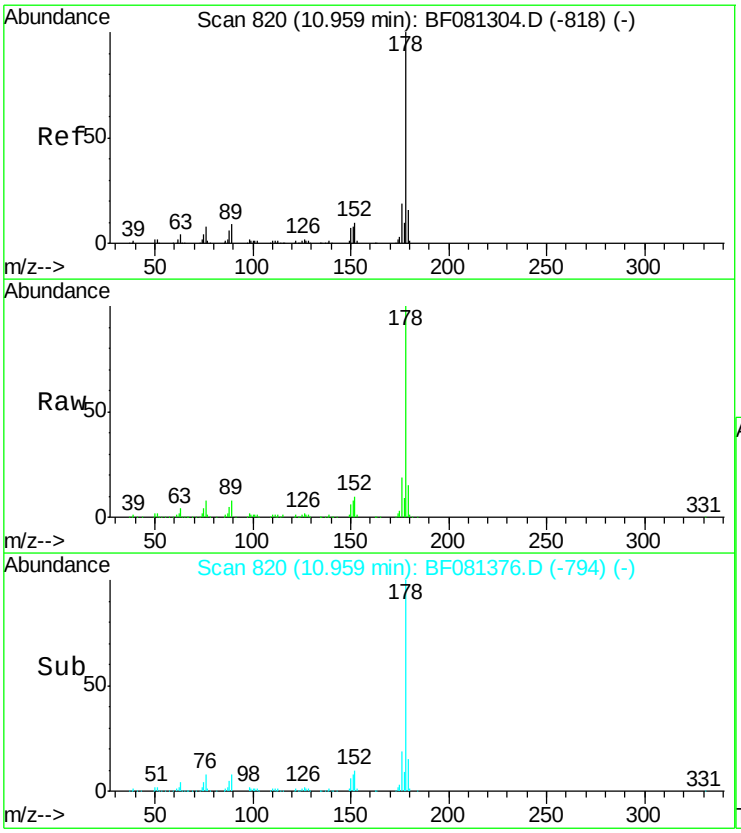
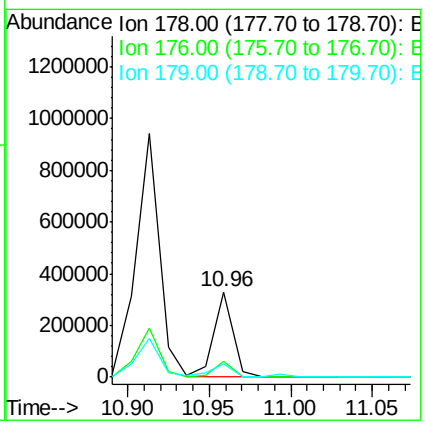
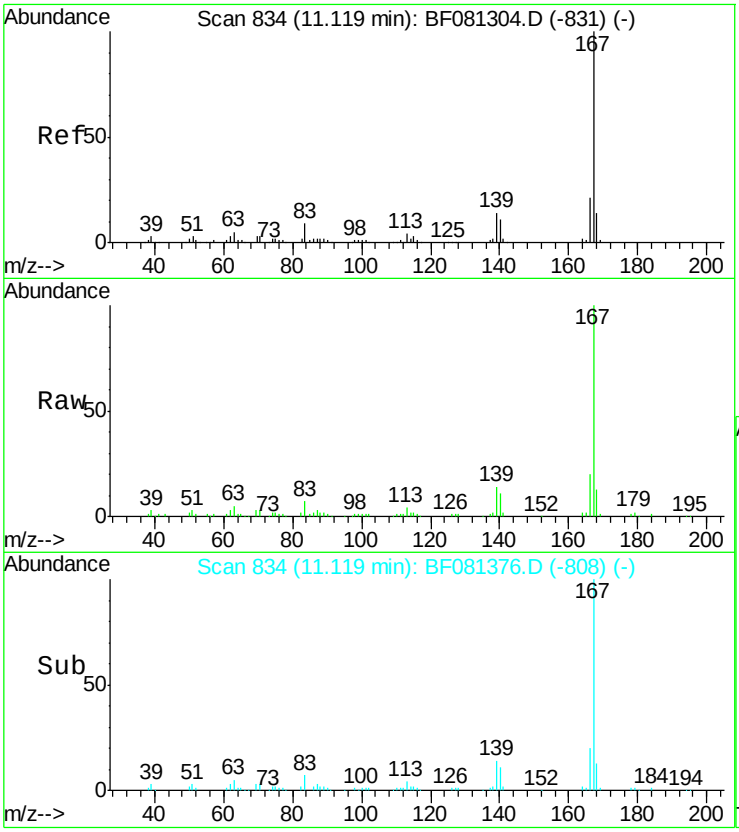


#71
Anthracene
Concen: 28.71 ng
RT: 10.96 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:178 Resp: 271076

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.1	21.1
179	15.3	12.2	18.2

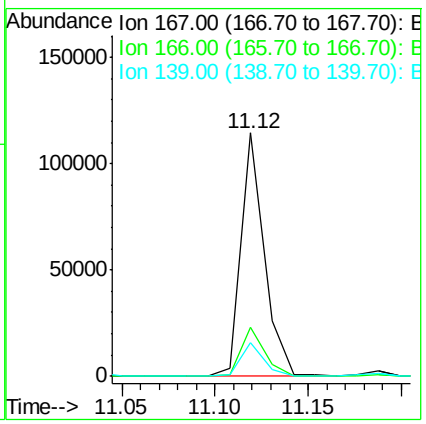




#72
Carbazole
Concen: 11.27 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:167 Resp: 99896

Ion	Ratio	Lower	Upper
167	100		
166	20.4	15.7	23.5
139	14.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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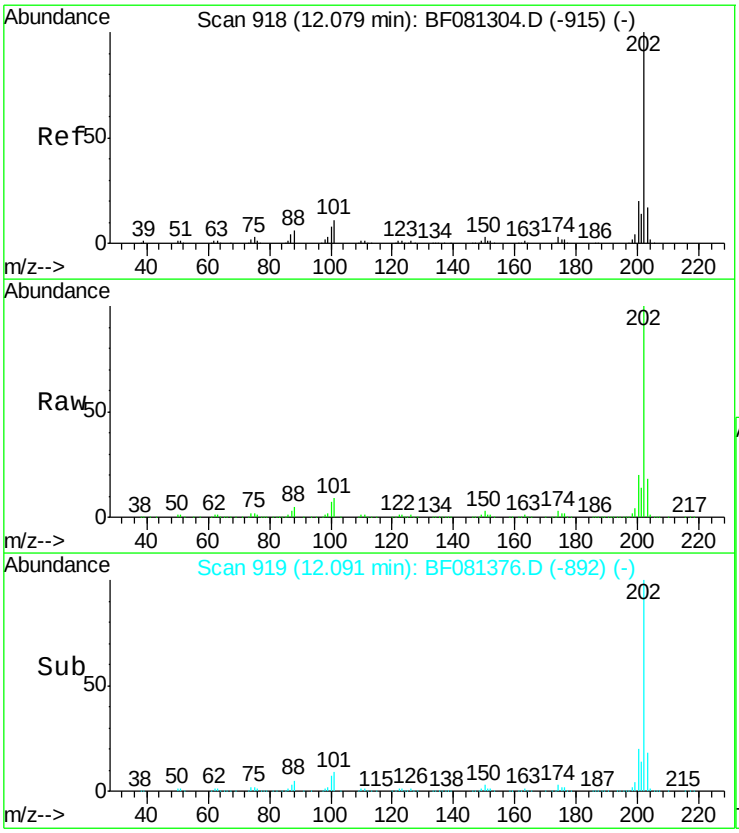
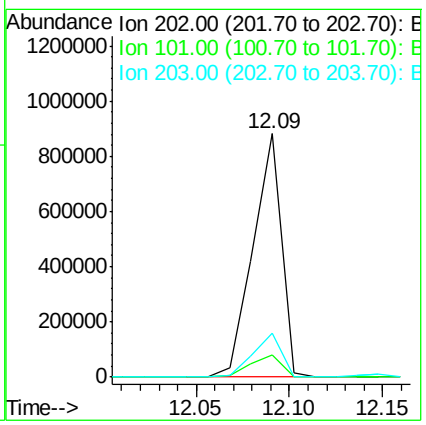
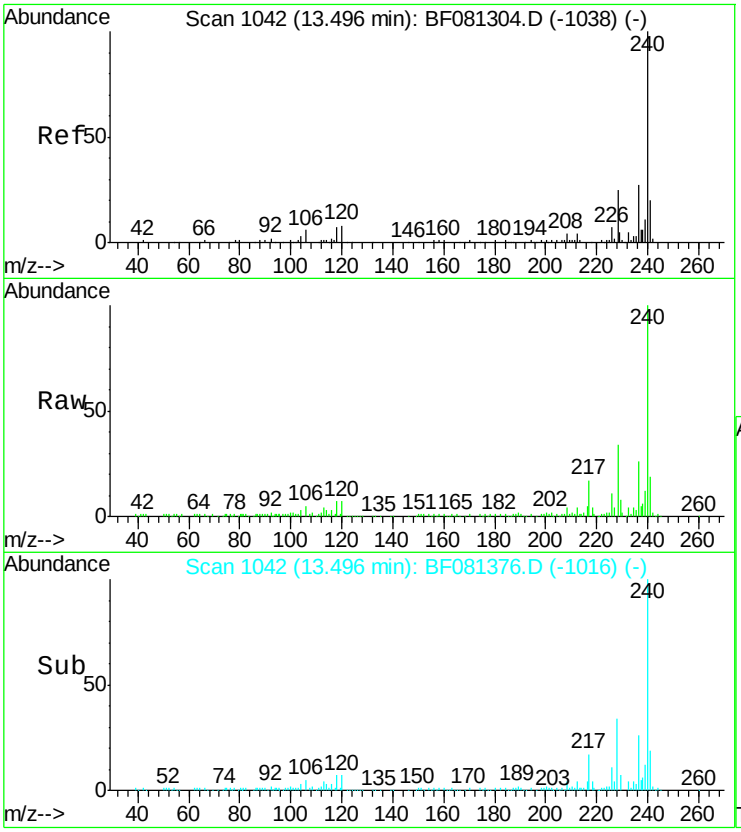


#74
Fluoranthene
Concen: 93.39 ng
RT: 12.09 min Scan# 919
Delta R.T. 0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:202 Resp: 929092

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	38.3
203	18.1	0.0	37.3





#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.50 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:240 Resp: 103273

Ion	Ratio	Lower	Upper
240	100		
120	7.4	16.2	24.2#
236	26.3	18.4	27.6

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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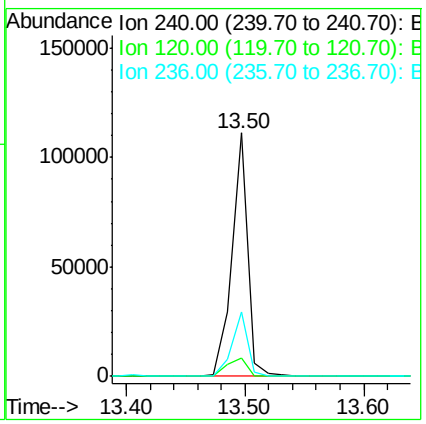
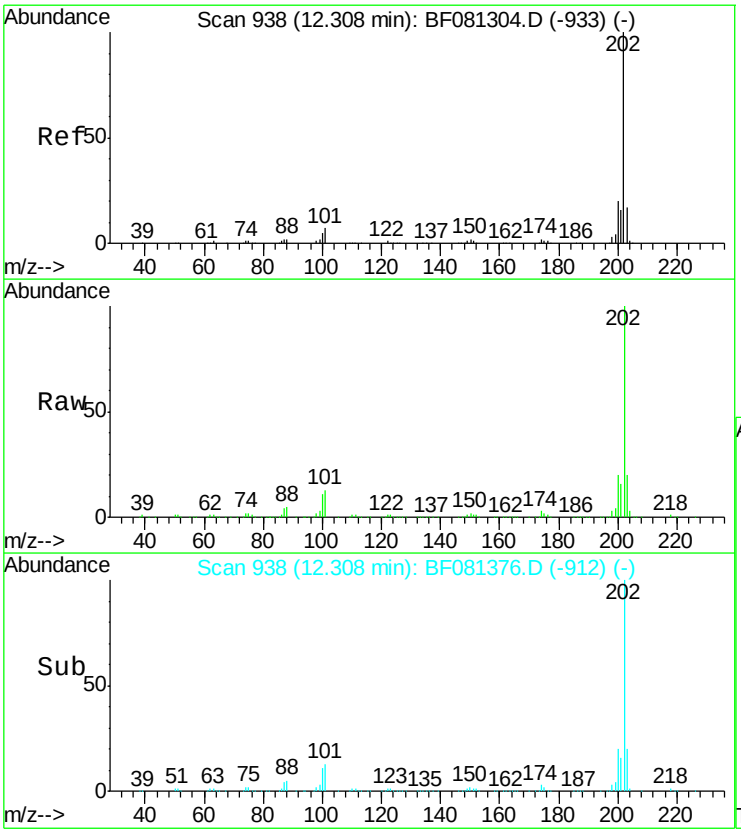
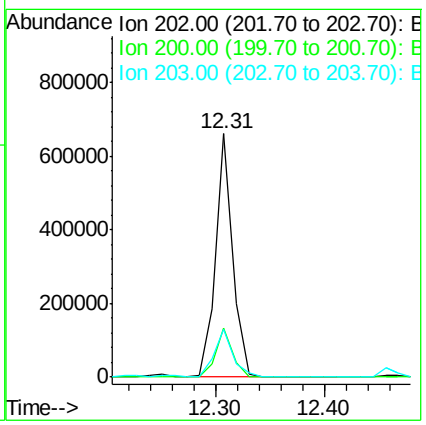


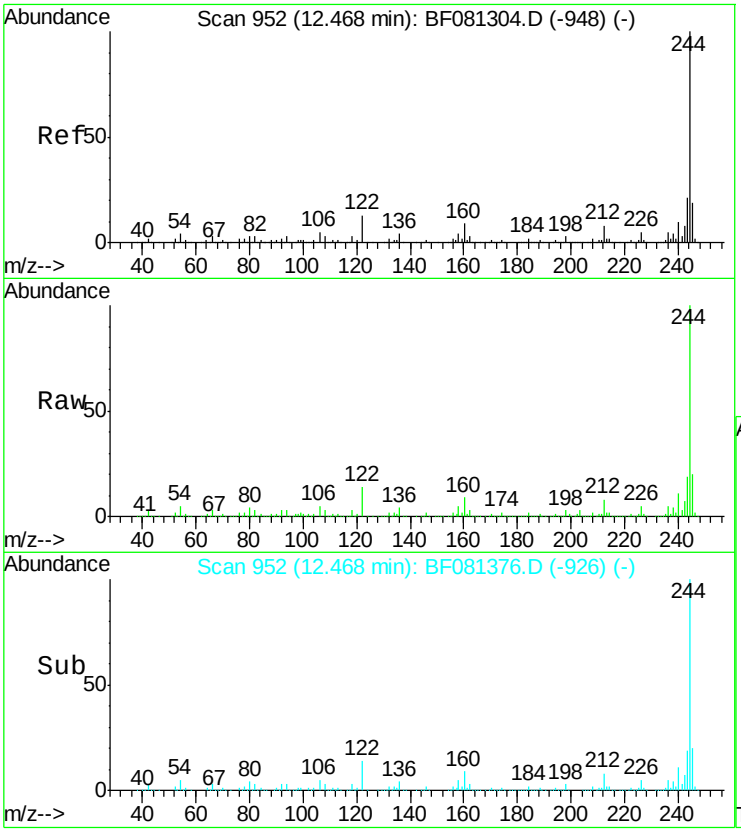


#77
Pyrene
Concen: 95.05 ng
RT: 12.31 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:202 Resp: 727147

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.0	22.4
203	19.8	14.1	21.1





#78
Terphenyl-d14
Concen: 109.87 ng
RT: 12.47 min Scan# 952
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:244 Resp: 487424

Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.3	6.5#
122	13.7	17.4	26.2#

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

Manual Integrations APPROVED
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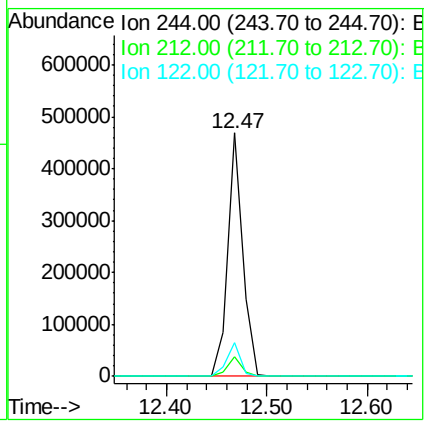
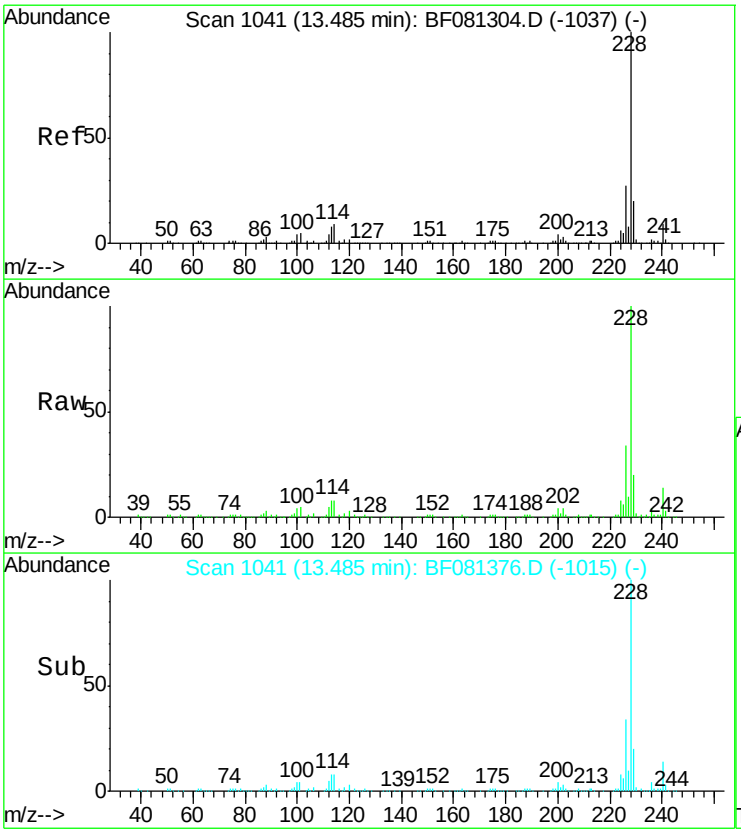
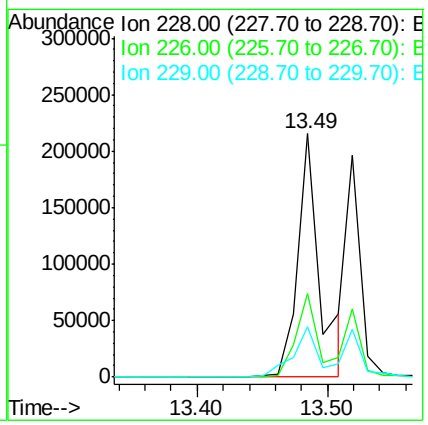


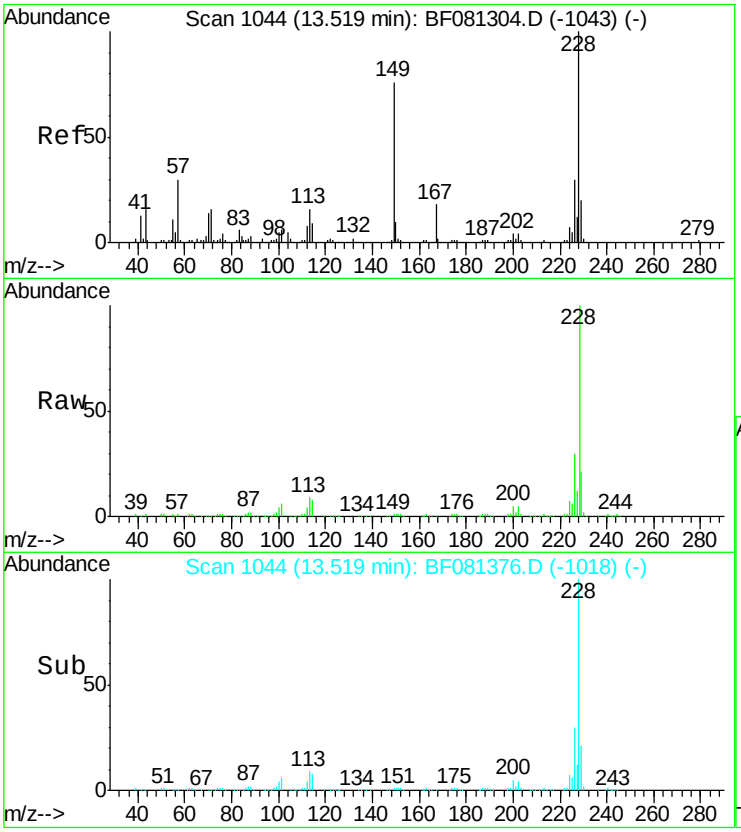


#80
Benzo(a)anthracene
Concen: 38.78 ng
RT: 13.49 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:228 Resp: 255019

Ion	Ratio	Lower	Upper
228	100		
226	34.2	20.0	30.0#
229	20.4	15.4	23.2

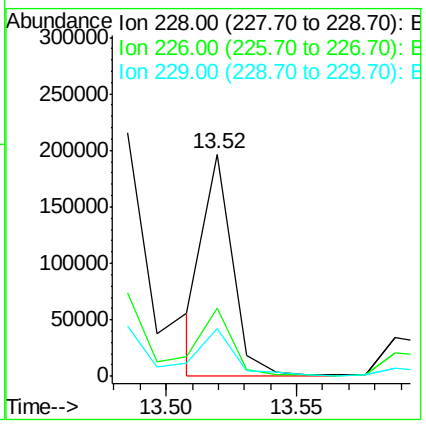




#82
Chrysene
Concen: 25.61 ng
RT: 13.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:228 Resp: 150991

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.0	31.4
229	21.3	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

Manual Integrations APPROVED
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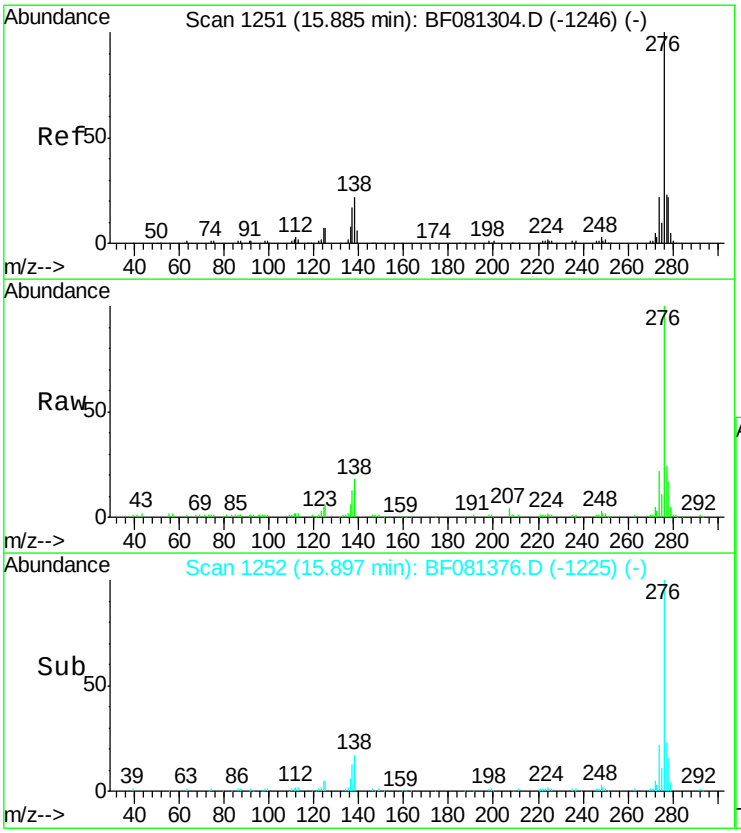
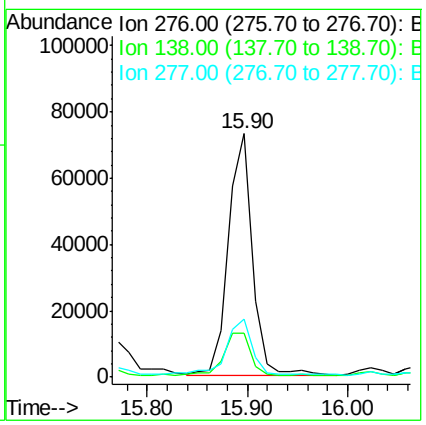
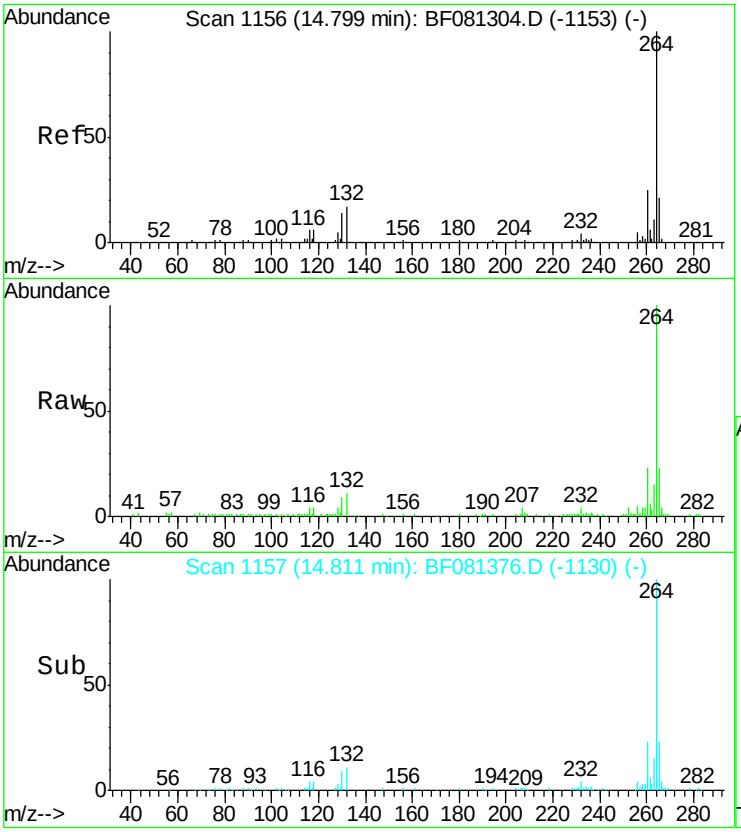


#85
Indeno(1,2,3-cd)pyrene
Concen: 28.30 ng
RT: 15.90 min Scan# 1252
Delta R.T. 0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:276 Resp: 122399

Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.7	38.5#
277	26.7	15.6	23.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.81 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

Tgt Ion:264 Resp: 87968

Ion	Ratio	Lower	Upper
264	100		
260	23.3	16.7	25.1
265	23.2	17.2	25.8

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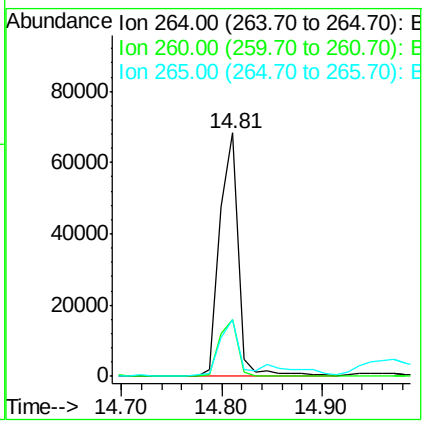
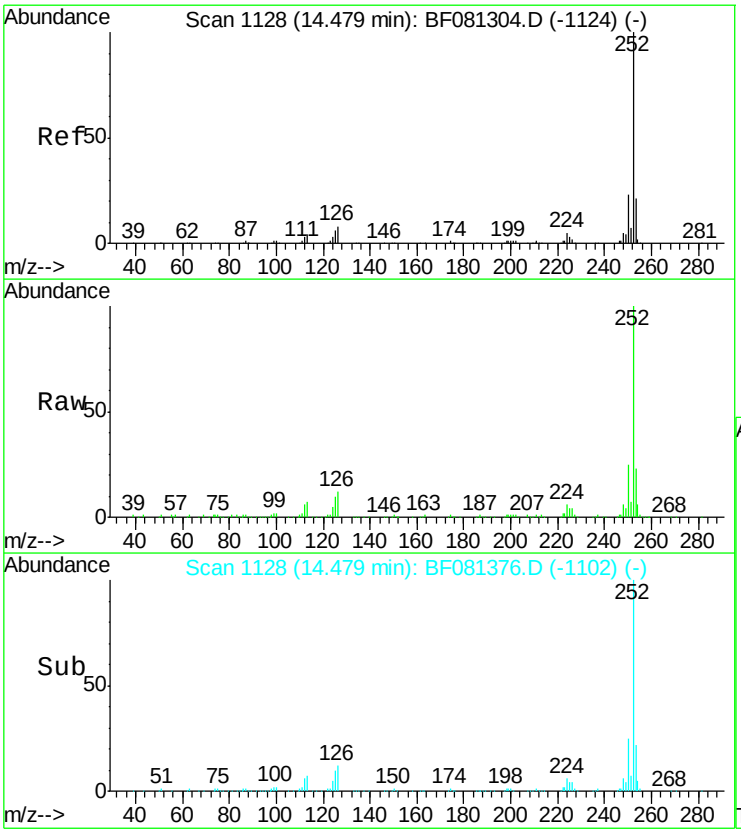
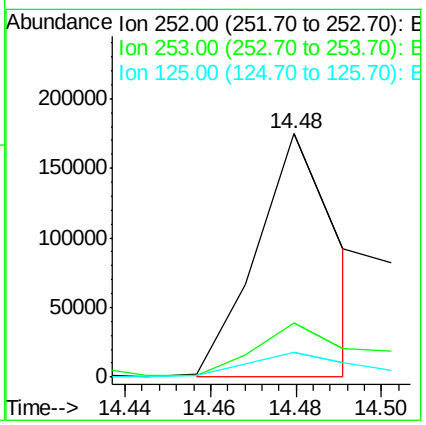


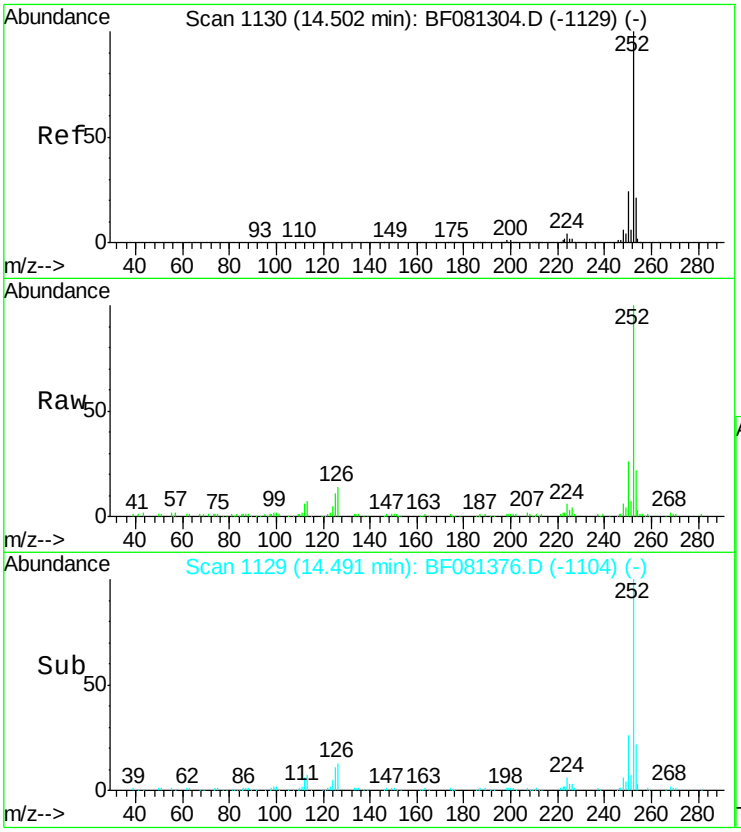


#87
Benzo(b)fluoranthene
Concen: 36.42 ng m
RT: 14.48 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:252 Resp: 228738

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.2	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 12.10 ng m
RT: 14.49 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:252 Resp: 63062

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	11.1	16.0	24.0#

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

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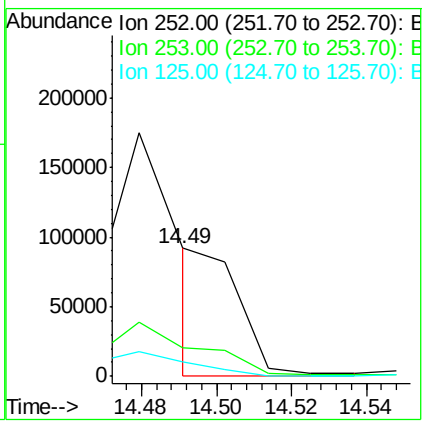
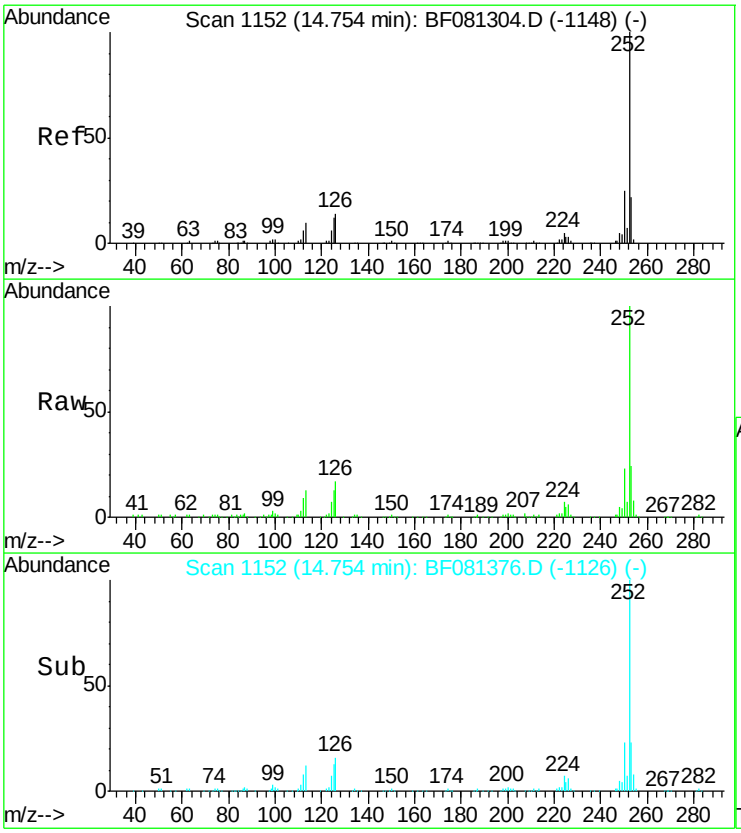
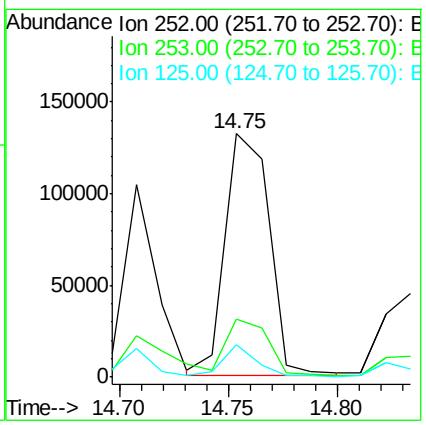


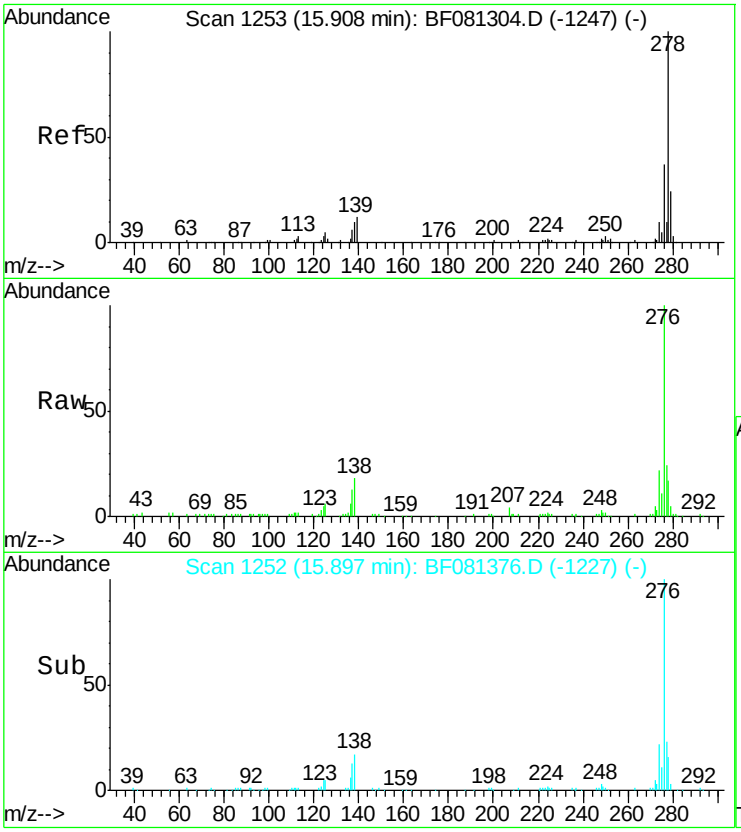


#89
Benzo(a)pyrene
Concen: 34.86 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:252 Resp: 185520

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	13.2	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 4.25 ng m
RT: 15.90 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:278 Resp: 17473

Ion	Ratio	Lower	Upper
278	100		
139	0.0	26.3	39.5#
279	27.5	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
MGP207BR-25-25.5

Manual Integrations APPROVED
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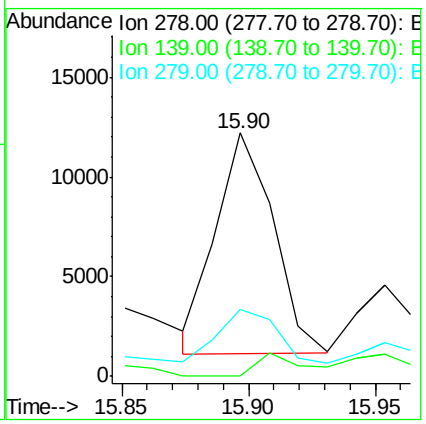

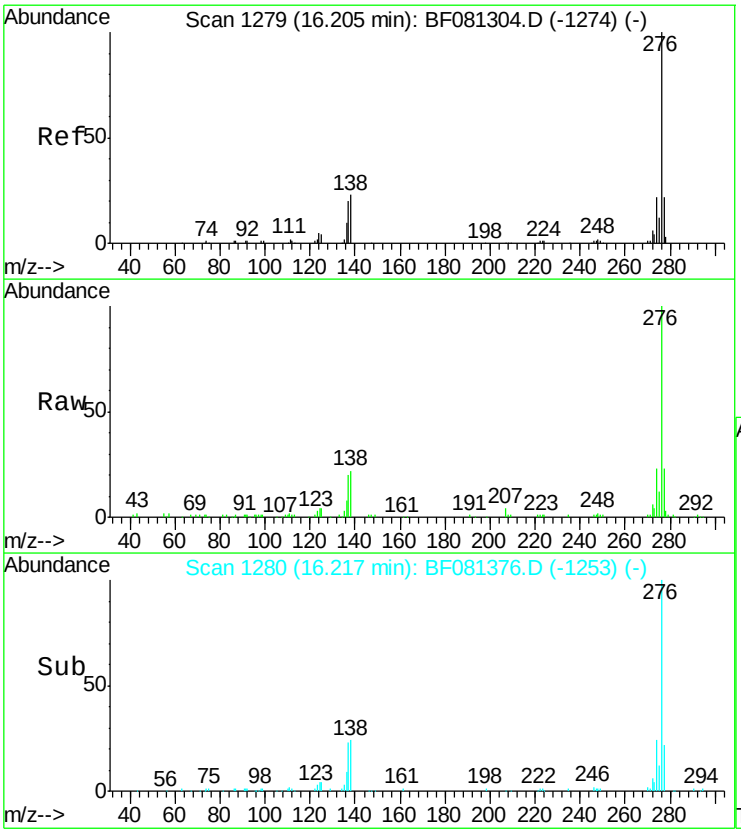

#91
Benzo(g,h,i)perylene
Concen: 33.43 ng
RT: 16.22 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF081376.D
Acq: 3 Sep 2015 5:30

Tgt Ion:276 Resp: 131193

Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.8	26.6
138	21.5	34.6	51.8#