Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081551.D
Acq On : 9 Sep 2015 7:46
Operator : UM/IZ
Sample : G3519-02RE 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

Manual Integrations APPROVED
MMDadoda
9/9/2015 6:03:03 PM

Quant Time: Sep 09 11:22:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 15:49:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	48162	20.00	ng		0.01
21) Naphthalene-d8	7.64	136	190688	20.00	ng		0.00
38) Acenaphthene-d10	9.38	164	87325	20.00	ng		0.00
63) Phenanthrene-d10	10.86	188	121989	20.00	ng		0.01
75) Chrysene-d12	13.47	240	105824	20.00	ng		0.02
86) Perylene-d12	14.78	264	67658	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	4.89	112	56053	18.06	ng		0.01
7) Phenol-d6	6.02	99	66657	16.22	ng		0.00
23) Nitrobenzene-d5	6.92	82	46894m	11.86	ng		0.00
41) 2,4,6-Tribromophenol	10.17	330	8368	10.76	ng		0.01
44) 2-Fluorobiphenyl	8.72	172	49307	7.24	ng		0.00
78) Terphenyl-d14	12.43	244	30412	6.69	ng		0.01
Target Compounds							Qvalue
3) Pyridine	2.18	79	345868	89.97	ng	#	23
10) Phenol	6.04	94	67597	14.19	ng	#	32
12) 1,3-Dichlorobenzene	6.28	146	36423	9.97	ng	#	89
13) 1,4-Dichlorobenzene	6.36	146	55092	14.80	ng	#	88
17) 2-Methylphenol	6.65	107	28328	10.38	ng	#	60
20) 3+4-Methylphenols	6.82	107	59963	16.29	ng	#	70
22) Acetophenone	6.79	105	98289	18.87	ng	#	75
31) Naphthalene	7.67	128	58931	5.79	ng	#	83
48) Acenaphthylene	9.24	152	159601	15.51	ng		95
49) Dimethylphthalate	9.13	163	14583	2.15	ng	#	66
57) Fluorene	9.90	166	23318m	3.59	ng		
70) Phenanthrene	10.88	178	136848	20.18	ng		95
71) Anthracene	10.92	178	56090m	8.05	ng		
74) Fluoranthene	12.07	202	231100	31.48	ng		84
77) Pyrene	12.29	202	604463	77.11	ng		98
80) Benzo(a)anthracene	13.46	228	316297	46.93	ng	#	93
82) Chrysene	13.50	228	302206m	50.02	ng		
85) Indeno(1,2,3-cd)pyrene	15.85	276	69276	15.63	ng	#	79
87) Benzo(b)fluoranthene	14.46	252	231564m	47.94	ng		
88) Benzo(k)fluoranthene	14.47	252	35979m	8.98	ng		
89) Benzo(a)pyrene	14.73	252	149301m	36.48	ng		
90) Dibenzo(a,h)anthracene	15.85	278	25390	8.03	ng	#	85
91) Benzo(g,h,i)perylene	16.17	276	81092	26.86	ng	#	71

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

Quantitation Report (QT Reviewed)

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Sample : G3519-02RE 5X
Misc :
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Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

Manual Integrations APPROVED
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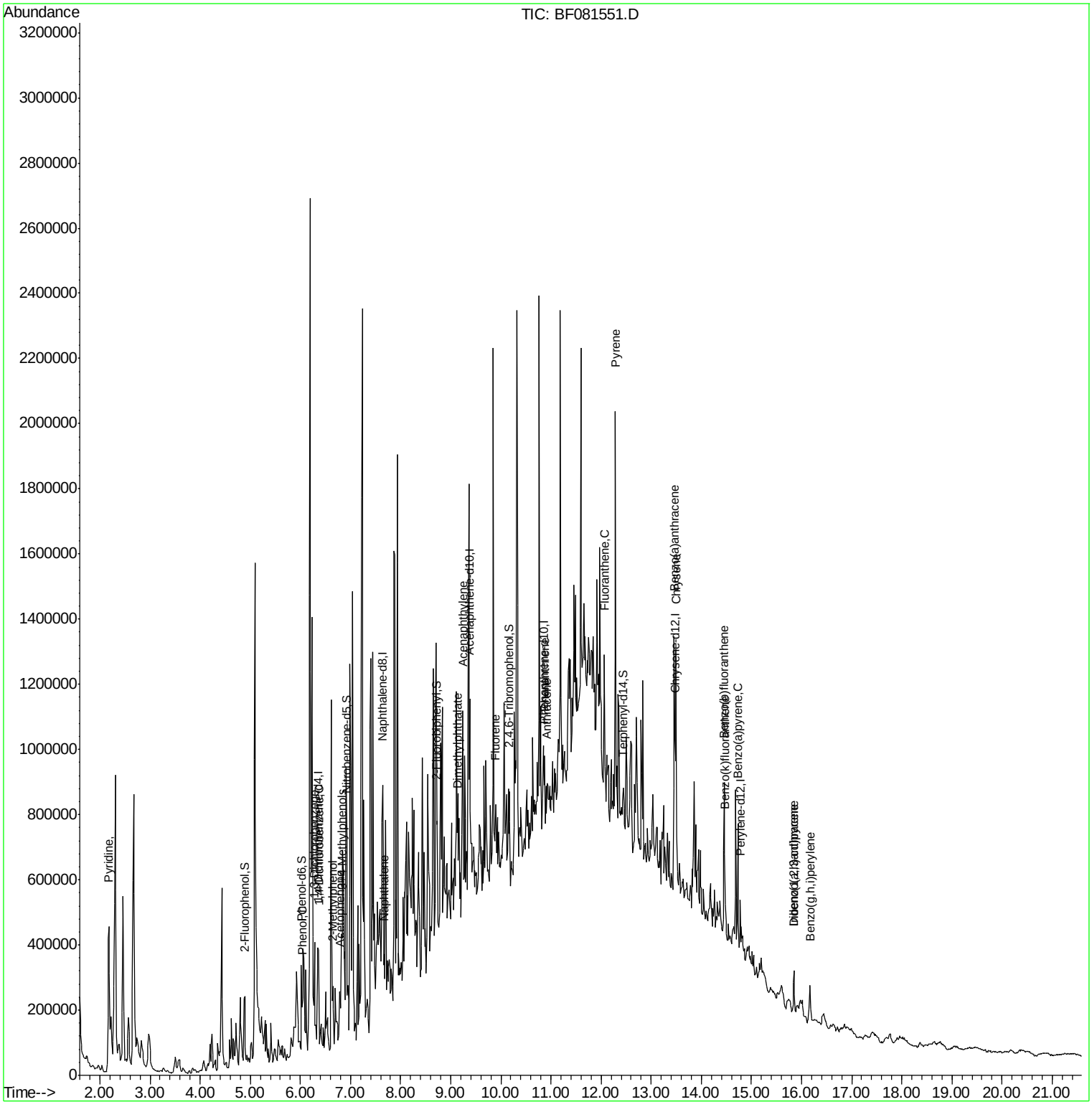
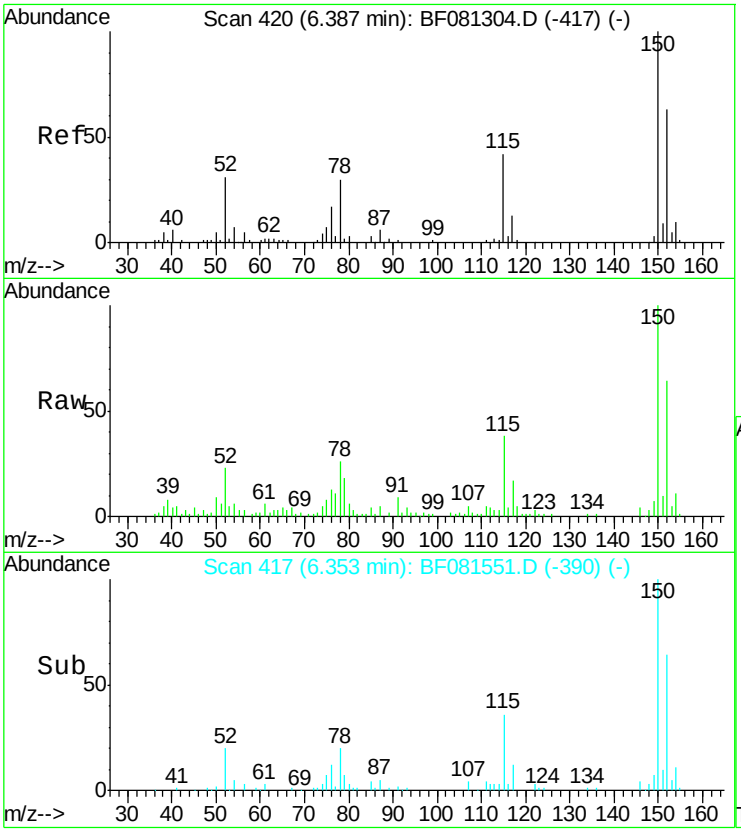
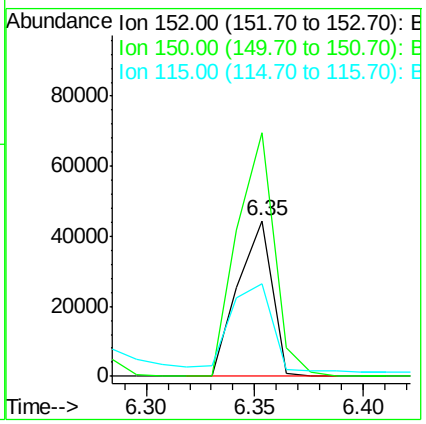




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:152 Resp: 48162

Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.7	187.1
115	59.8	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

Manual Integrations APPROVED
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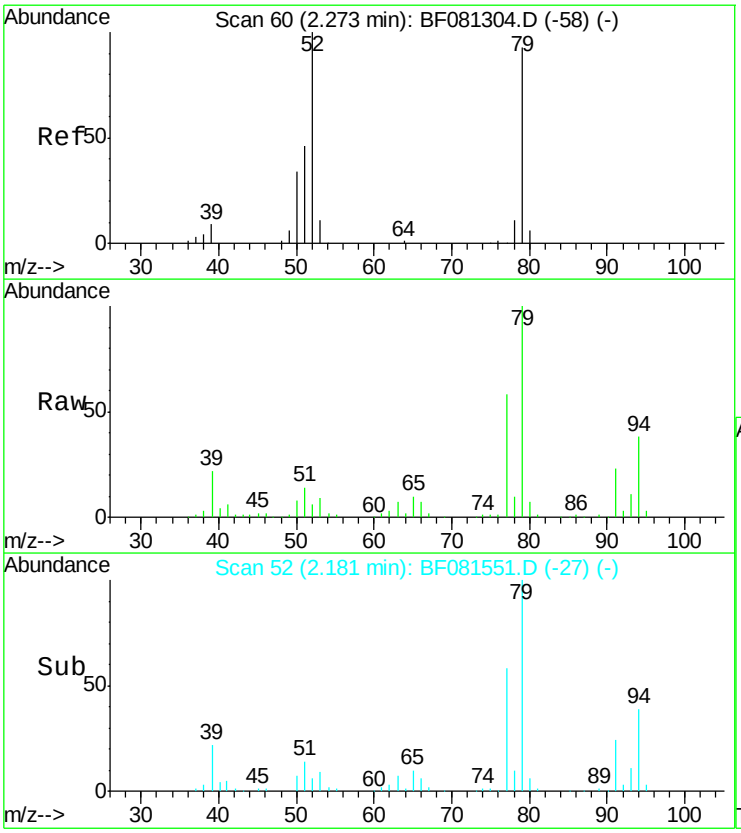
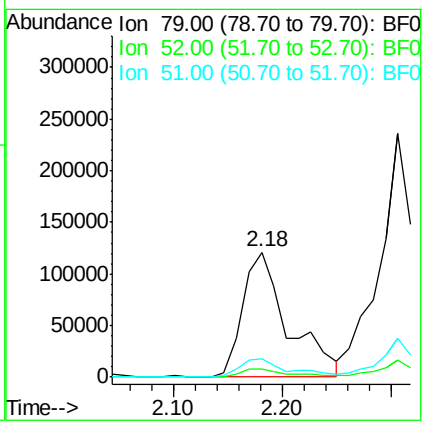
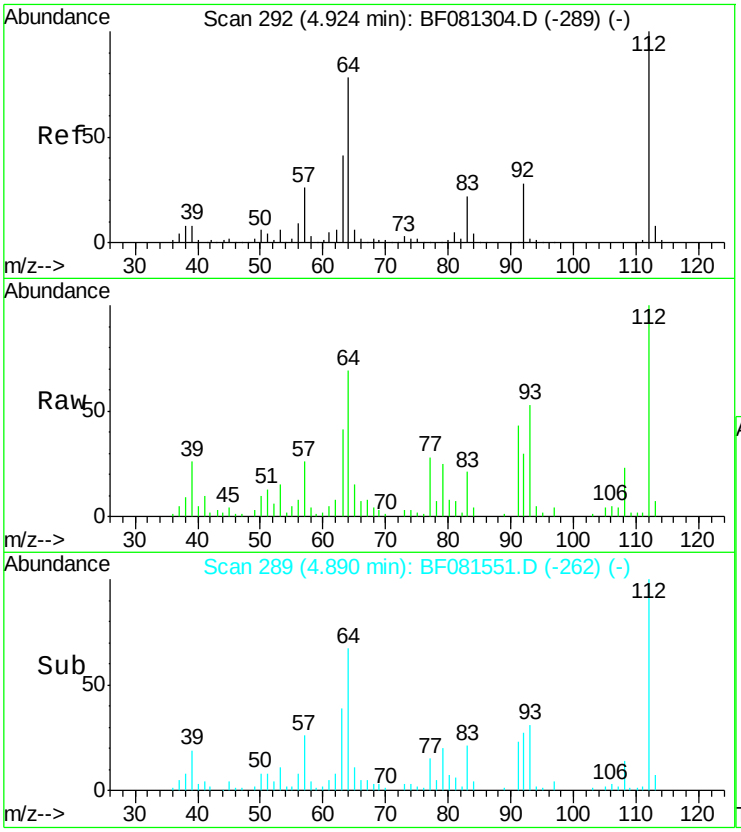


#3
Pyridine
Concen: 89.97 ng
RT: 2.18 min Scan# 52
Delta R.T. -0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 79 Resp: 345868

Ion	Ratio	Lower	Upper
79	100		
52	6.5	76.8	115.2#
51	14.4	32.2	48.4#





#5
2-Fluorophenol
Concen: 18.06 ng
RT: 4.89 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:112 Resp: 56053

Ion	Ratio	Lower	Upper
112	100		
64	69.3	39.7	59.5#
63	41.2	17.4	26.0#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

Manual Integrations APPROVED
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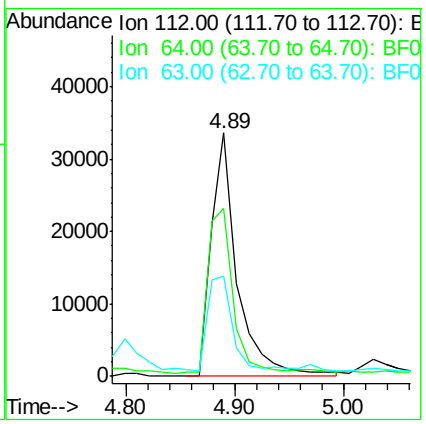
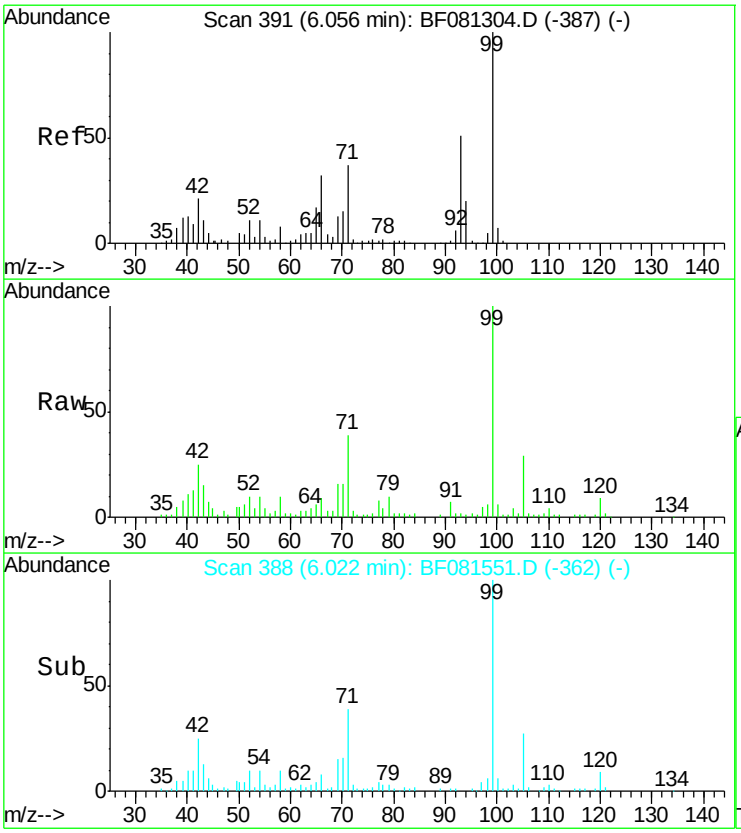
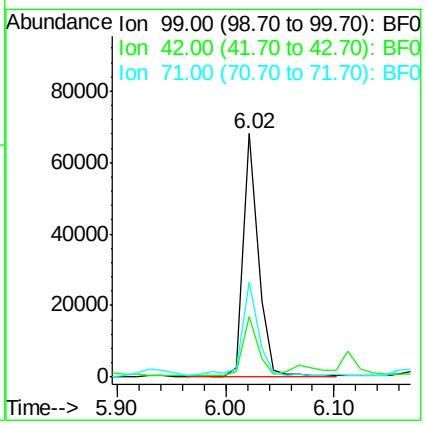


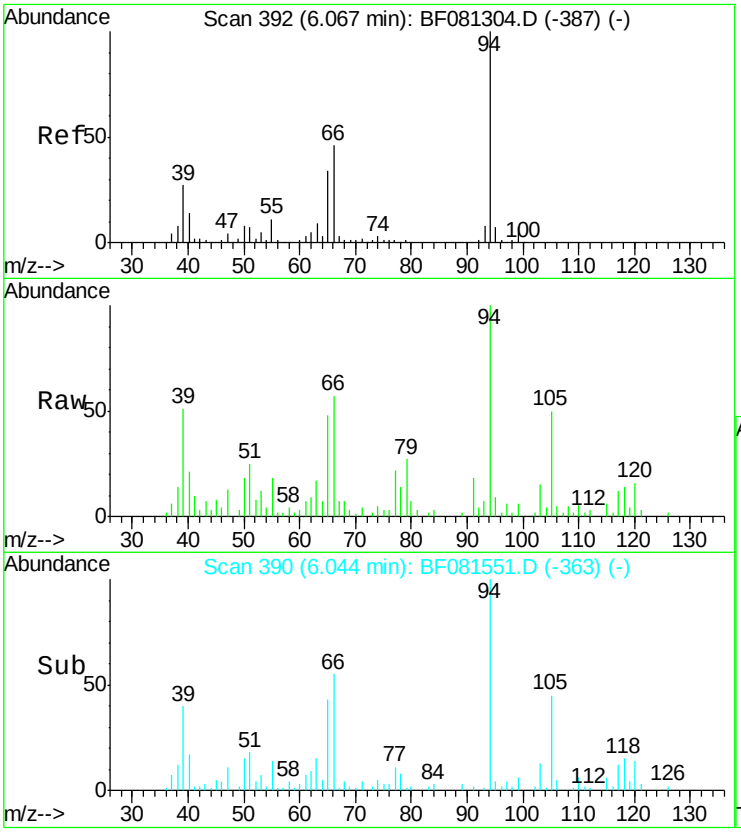


#7
Phenol-d6
Concen: 16.22 ng
RT: 6.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 99 Resp: 66657

Ion	Ratio	Lower	Upper
99	100		
42	25.1	13.7	20.5#
71	39.3	14.2	21.2#

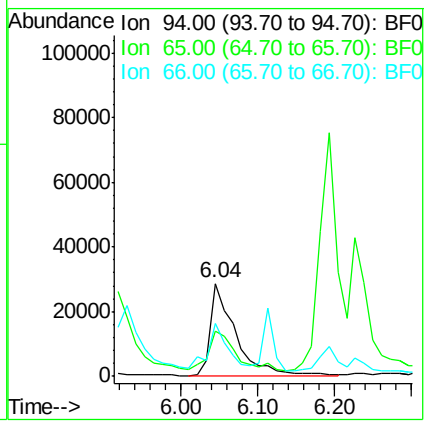




#10
Phenol
Concen: 14.19 ng
RT: 6.04 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 94 Resp: 67597

Ion	Ratio	Lower	Upper
94	100		
65	48.1	0.7	40.7#
66	57.2	0.8	40.8#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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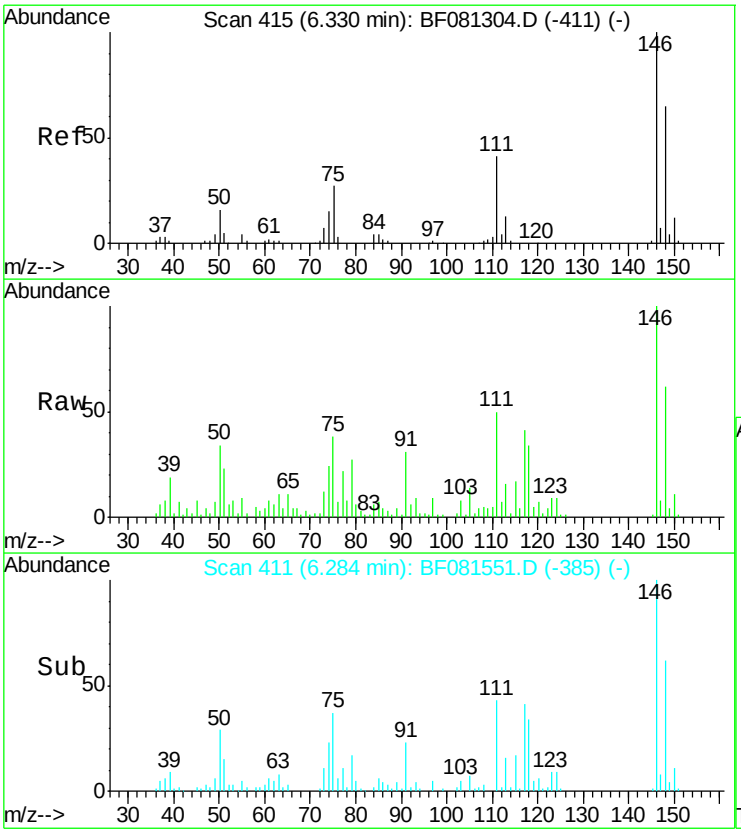
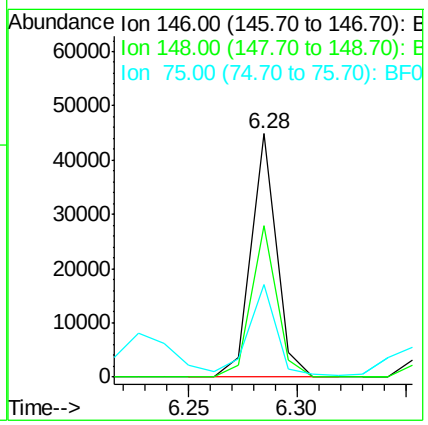
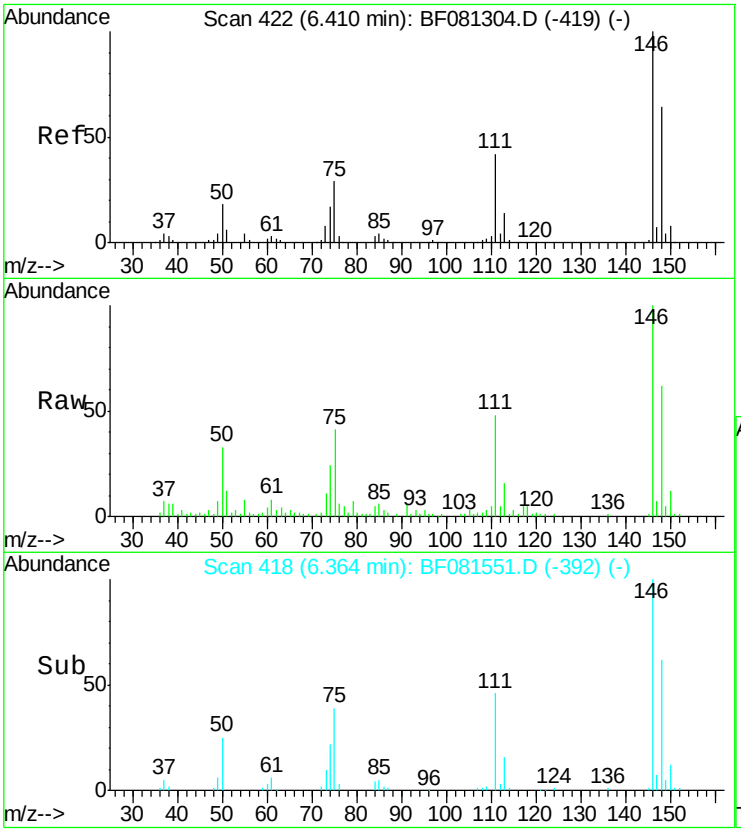


#12
1,3-Dichlorobenzene
Concen: 9.97 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:146 Resp: 36423

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.0	76.4
75	38.1	15.0	22.6#

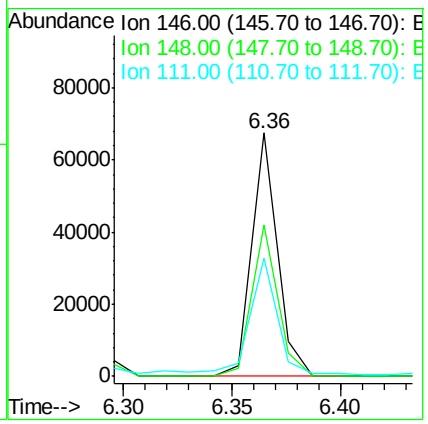




#13
1,4-Dichlorobenzene
Concen: 14.80 ng
RT: 6.36 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:146 Resp: 55092

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.8	77.6
111	48.4	24.9	37.3#



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

Manual Integrations APPROVED
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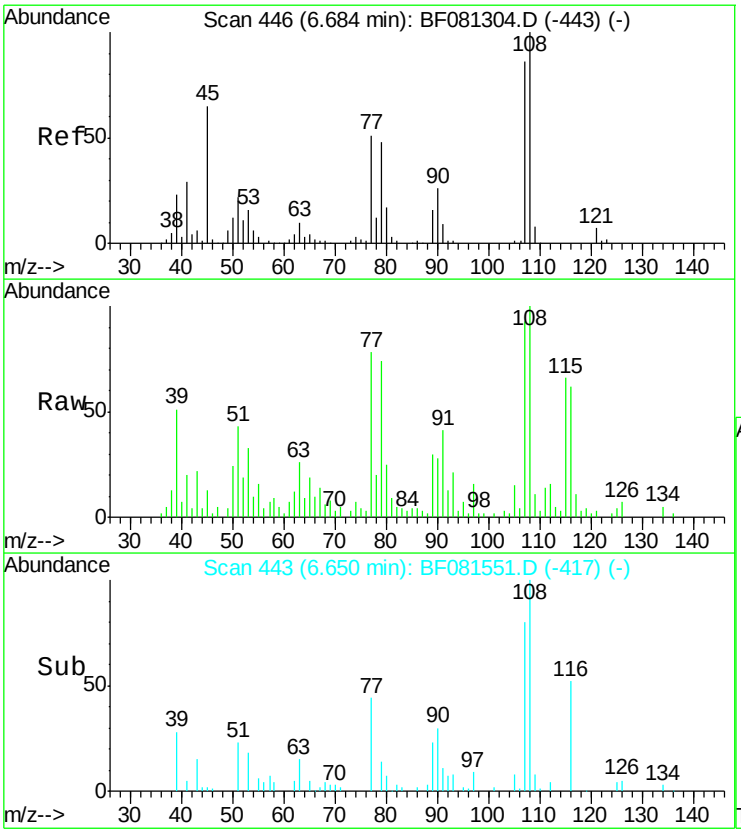
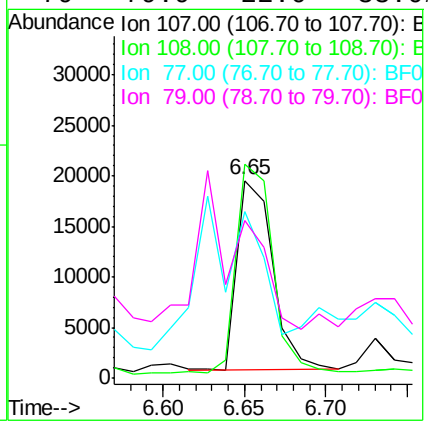
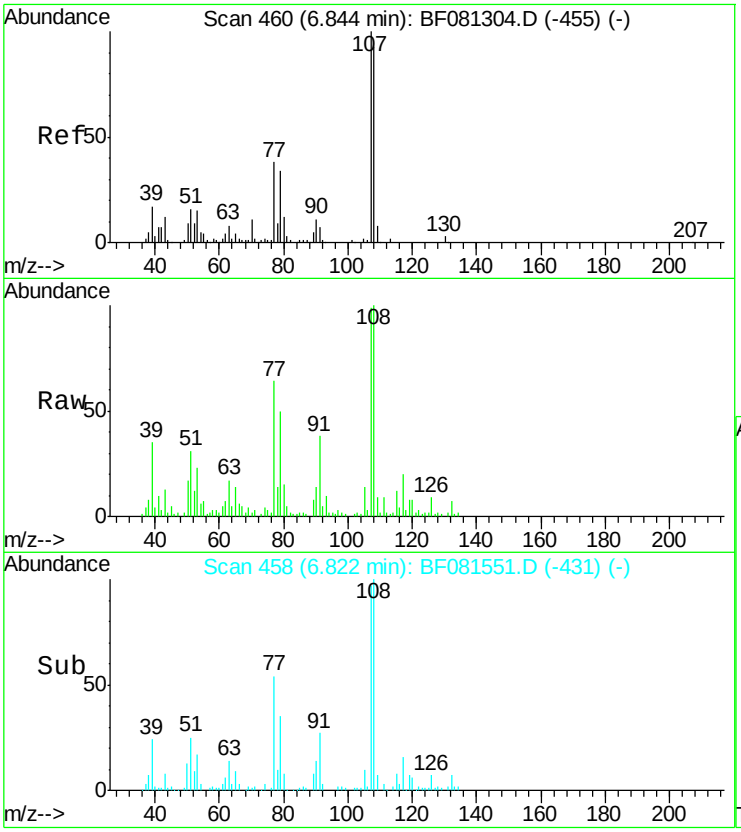


#17
2-Methylphenol
Concen: 10.38 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:107 Resp: 28328

Ion	Ratio	Lower	Upper
107	100		
108	108.0	96.6	145.0
77	84.2	23.3	34.9#
79	79.9	22.0	33.0#

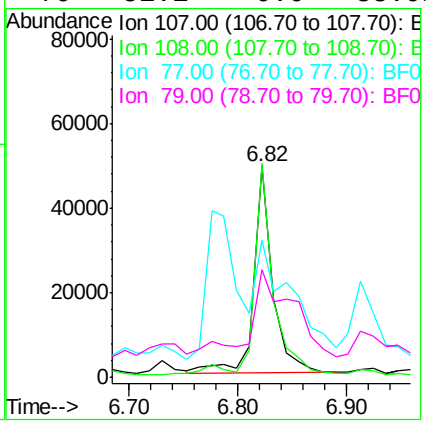




#20
3+4-Methylphenols
Concen: 16.29 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:107 Resp: 59963

Ion	Ratio	Lower	Upper
107	100		
108	101.2	74.6	114.6
77	64.9	0.7	40.7#
79	51.1	0.0	38.9#



Instrument :
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ClientSampleId :
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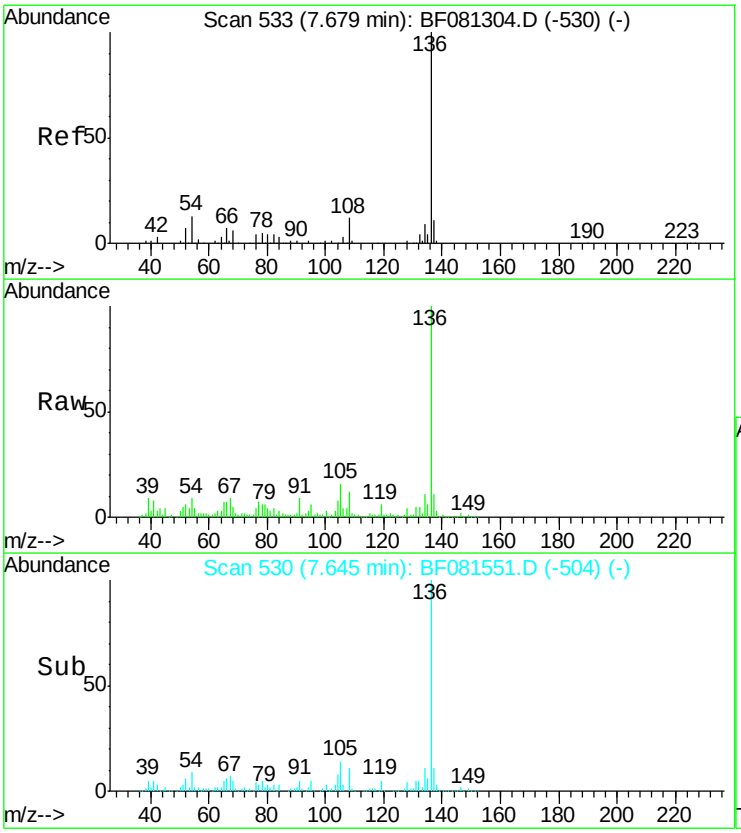
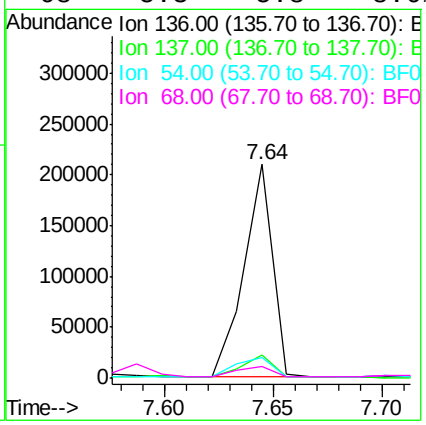
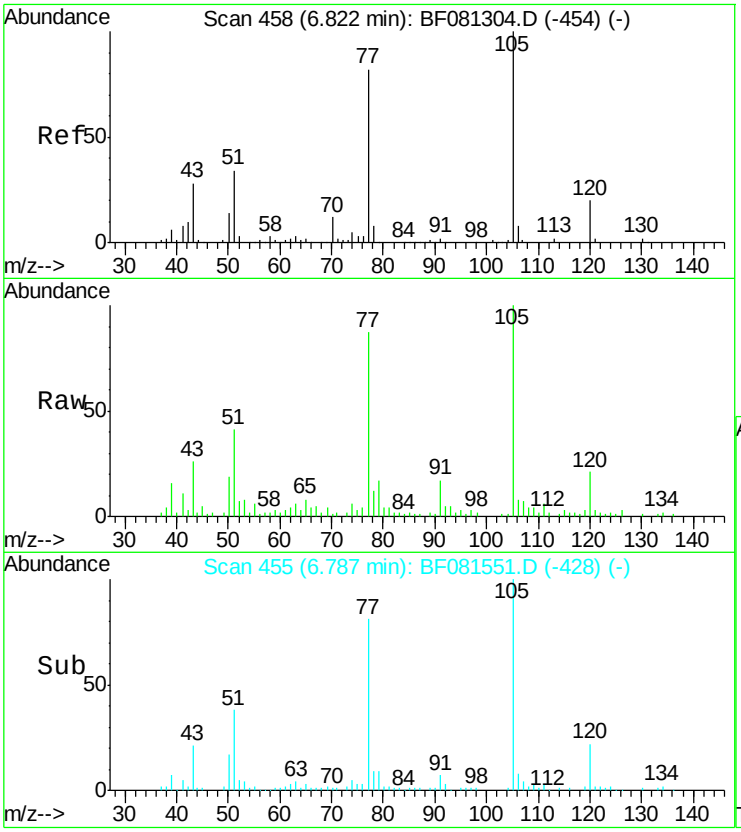


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.64 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:136 Resp: 190688

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	9.4	8.2	12.2
68	5.3	5.8	8.6#

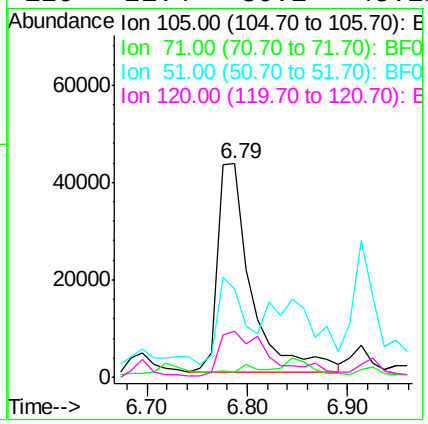




#22
Acetophenone
Concen: 18.87 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:105 Resp: 98289

Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.7	7.1#
51	41.3	22.0	33.0#
120	21.4	30.1	45.1#



Instrument :
BNA_F
ClientSampleId :
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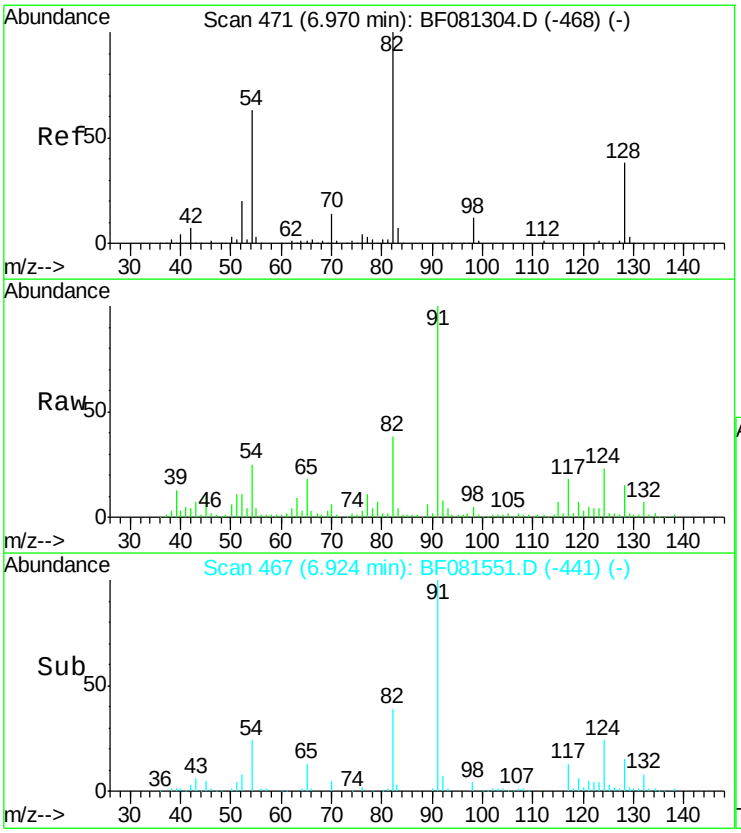
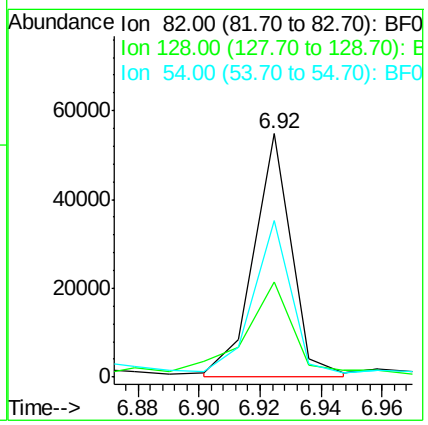
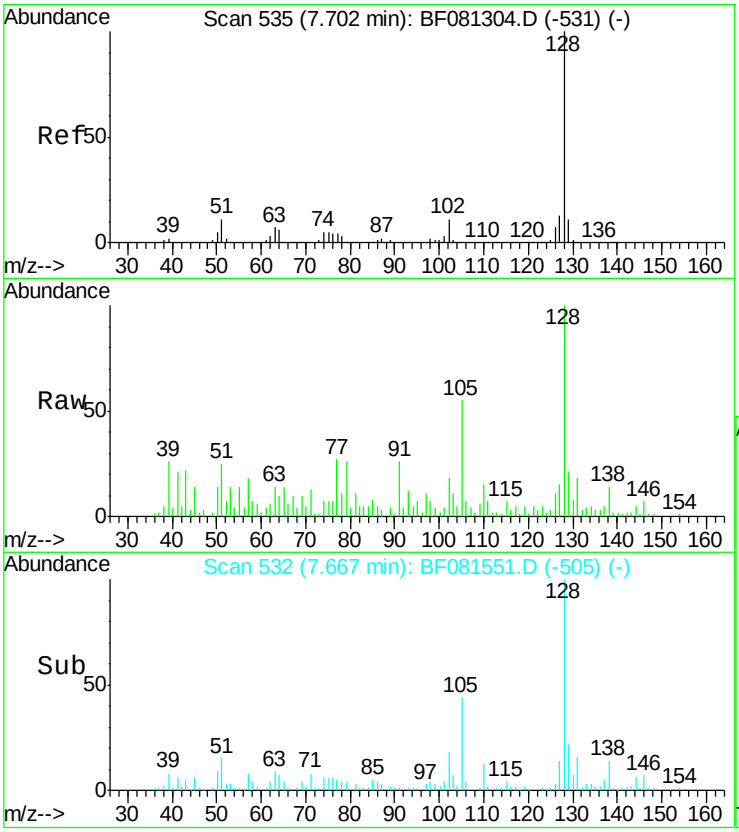


#23
Nitrobenzene-d5
Concen: 11.86 ng m
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion: 82 Resp: 46894

Ion	Ratio	Lower	Upper
82	100		
128	39.1	51.0	76.6#
54	64.5	47.5	71.3

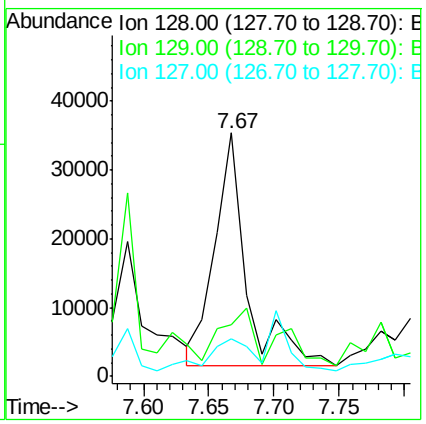




#31
Naphthalene
Concen: 5.79 ng
RT: 7.67 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:128 Resp: 58931

Ion	Ratio	Lower	Upper
128	100		
129	21.5	8.4	12.6#
127	15.3	9.9	14.9#



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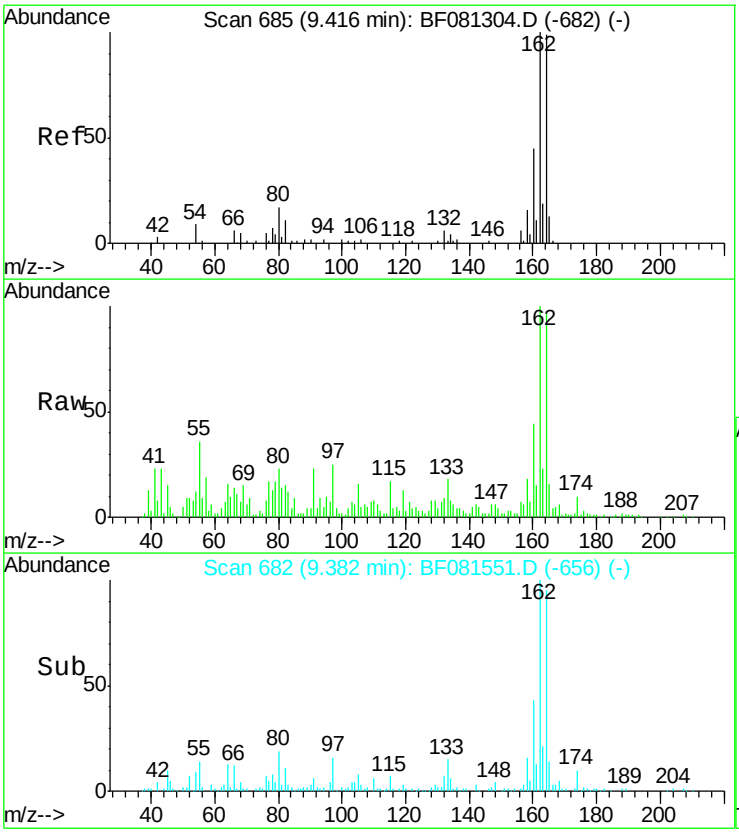
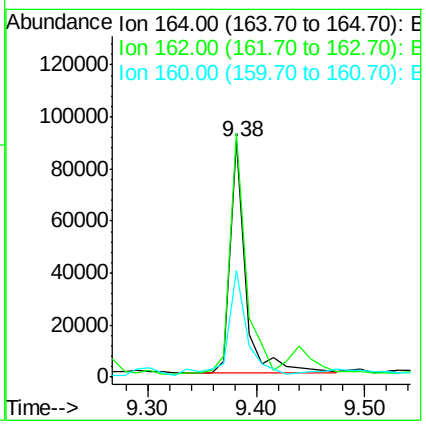
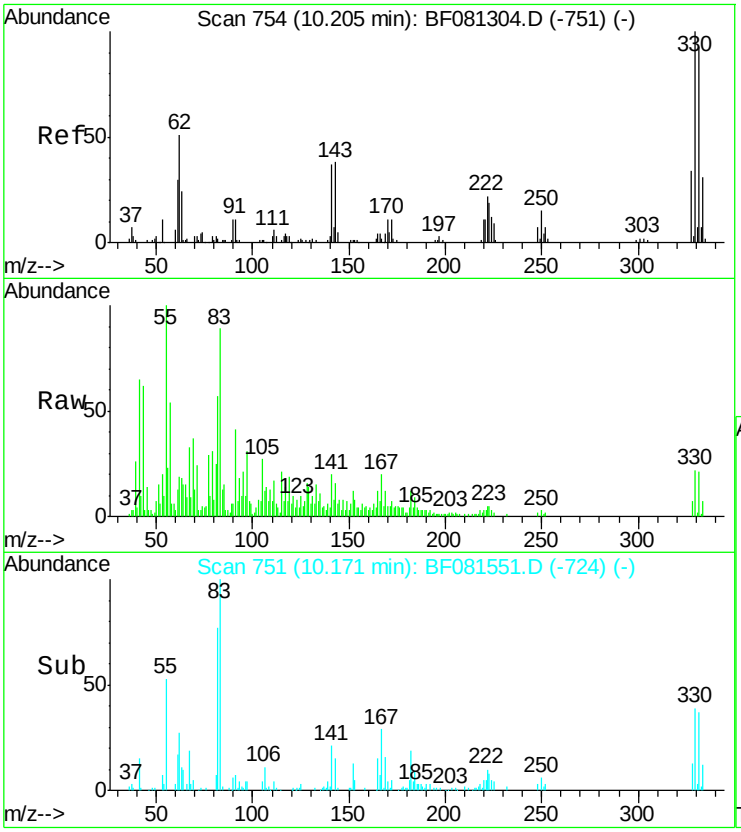


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:164 Resp: 87325

Ion	Ratio	Lower	Upper
164	100		
162	103.5	75.2	112.8
160	45.5	31.5	47.3

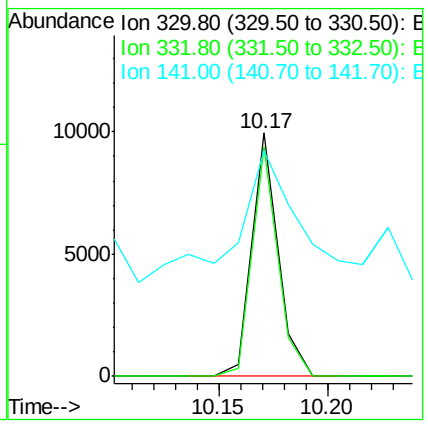




#41
2,4,6-Tribromophenol
Concen: 10.76 ng
RT: 10.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:330 Resp: 8368

Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.6	114.8
141	84.6	29.7	44.5#



Instrument :
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ClientSampleId :
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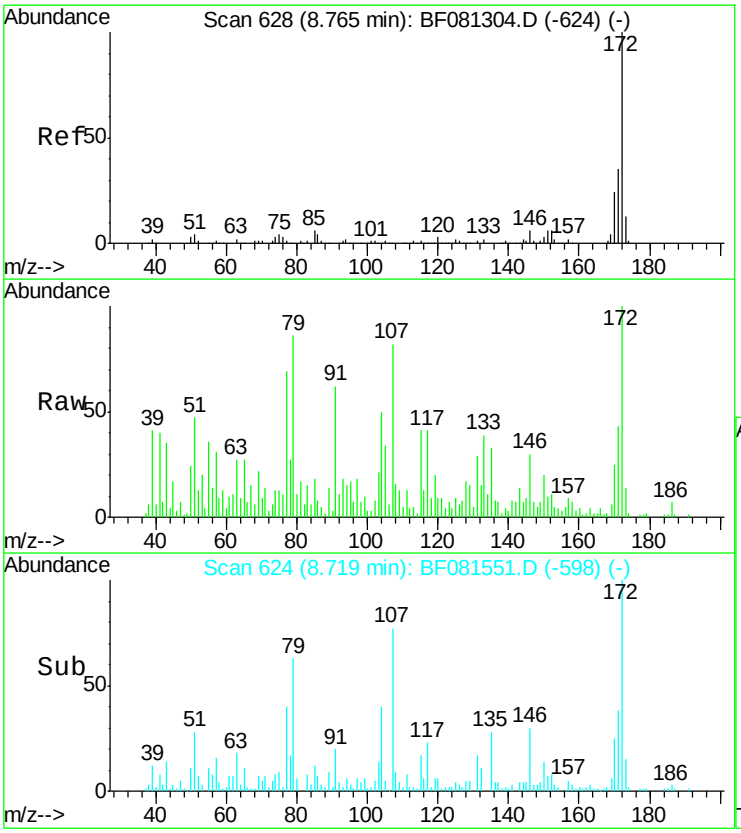
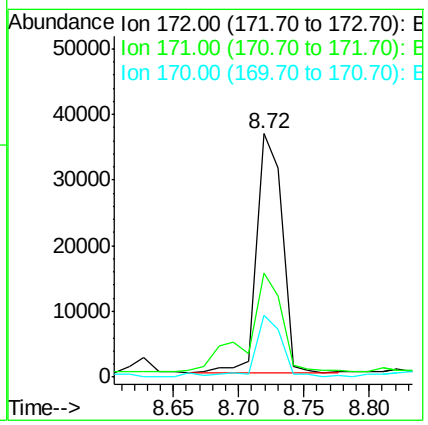
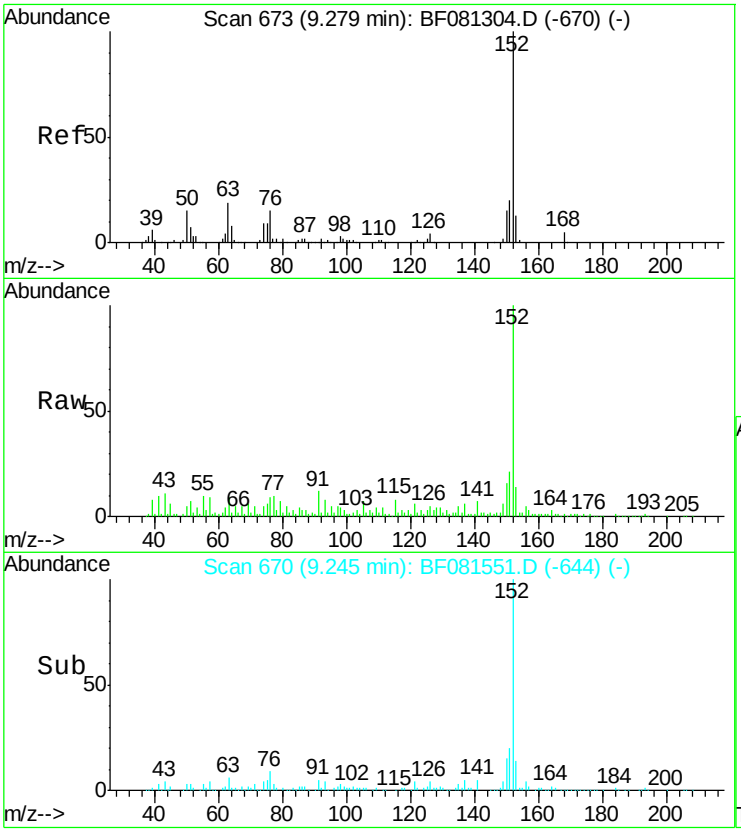


#44
2-Fluorobiphenyl
Concen: 7.24 ng
RT: 8.72 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:172 Resp: 49307

Ion	Ratio	Lower	Upper
172	100		
171	42.8	26.1	39.1#
170	25.4	17.4	26.2

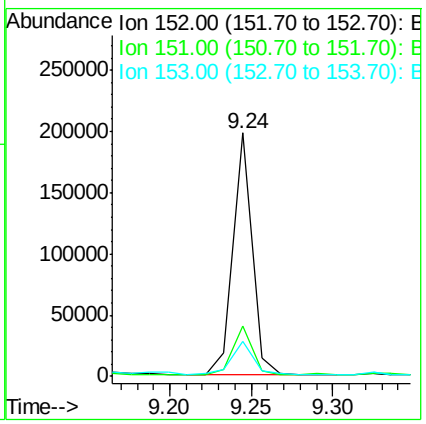




#48
Acenaphthylene
Concen: 15.51 ng
RT: 9.24 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:152 Resp: 159601

Ion	Ratio	Lower	Upper
152	100		
151	20.8	14.6	22.0
153	14.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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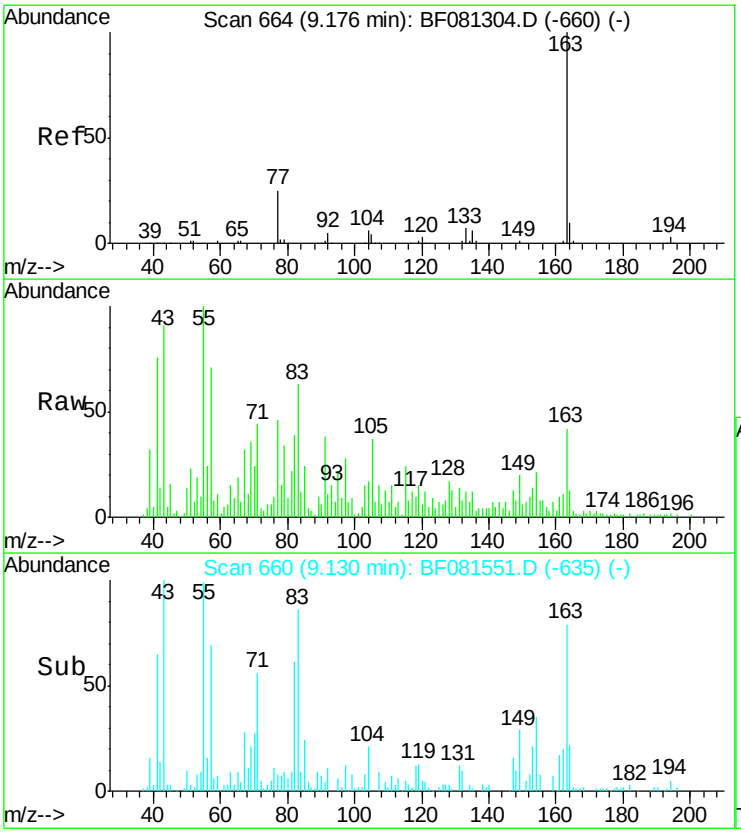
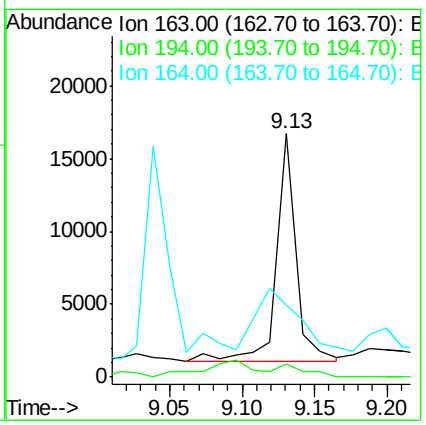
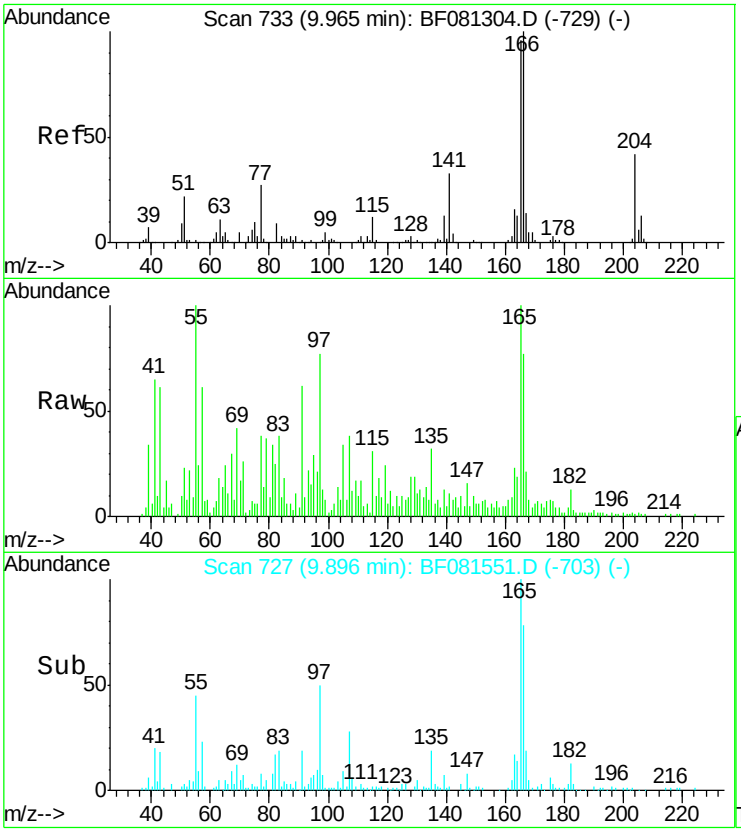


#49
Dimethylphthalate
Concen: 2.15 ng
RT: 9.13 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:163 Resp: 14583

Ion	Ratio	Lower	Upper
163	100		
194	5.7	4.4	6.6
164	29.8	8.3	12.5#





#57
Fluorene
Concen: 3.59 ng m
RT: 9.90 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:166 Resp: 23318

Ion	Ratio	Lower	Upper
166	100		
165	130.2	72.6	109.0#
167	27.7	10.6	16.0#

Instrument :
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ClientSampleId :
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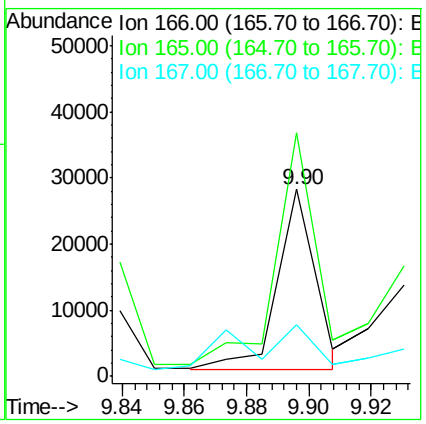
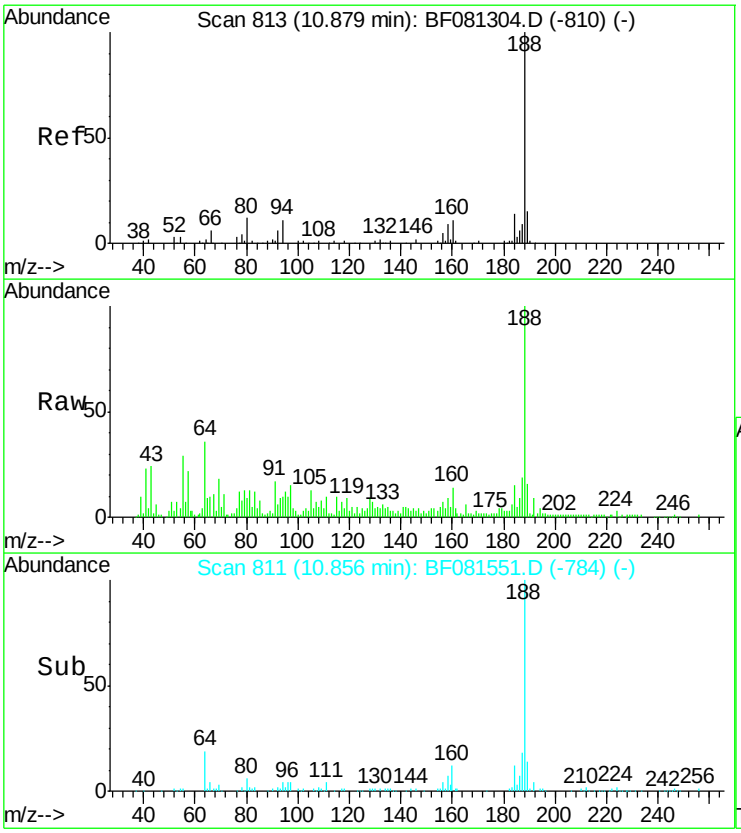
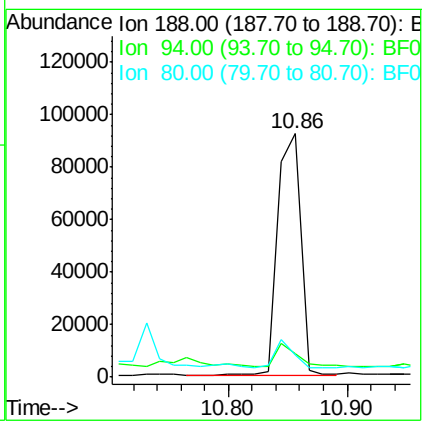


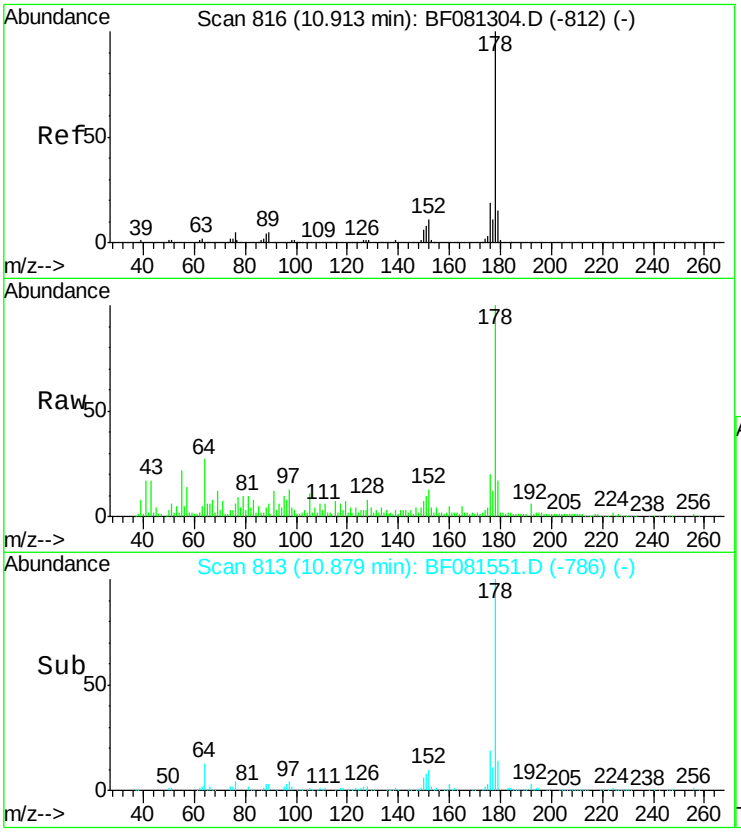


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:188 Resp: 121989

Ion	Ratio	Lower	Upper
188	100		
94	9.8	11.1	16.7#
80	9.3	11.0	16.4#

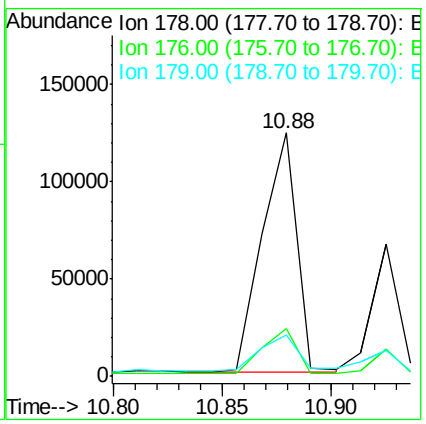




#70
Phenanthrene
Concen: 20.18 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:178 Resp: 136848

Ion	Ratio	Lower	Upper
178	100		
176	19.9	13.8	20.8
179	16.8	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
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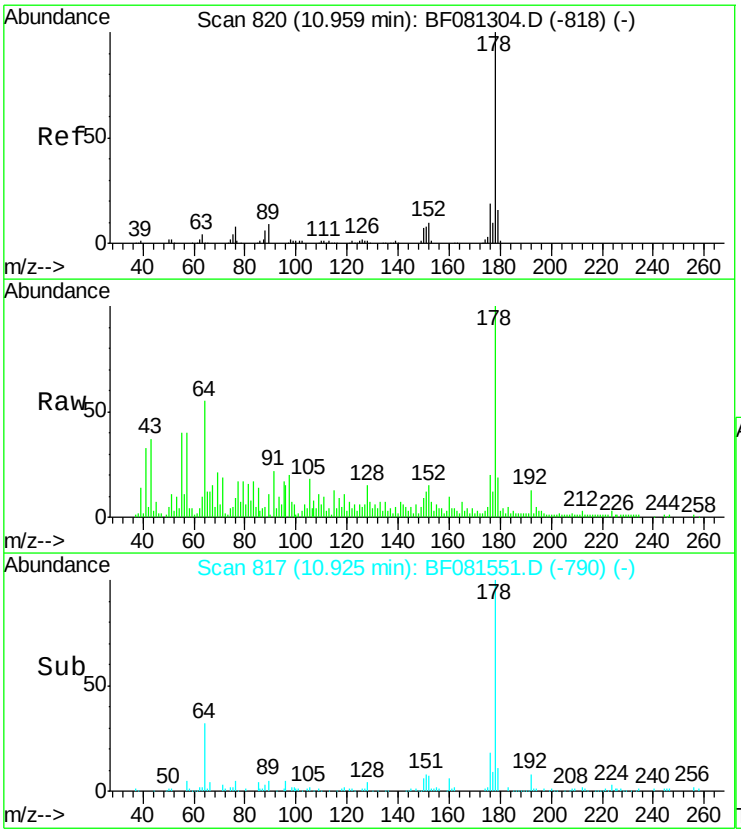
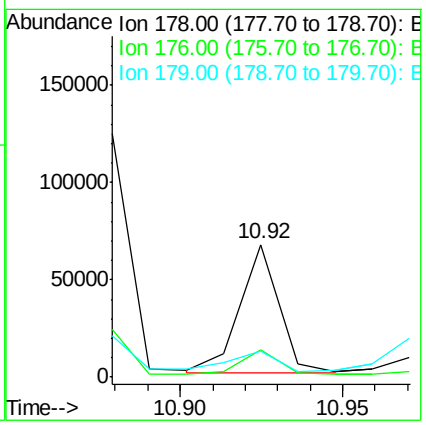
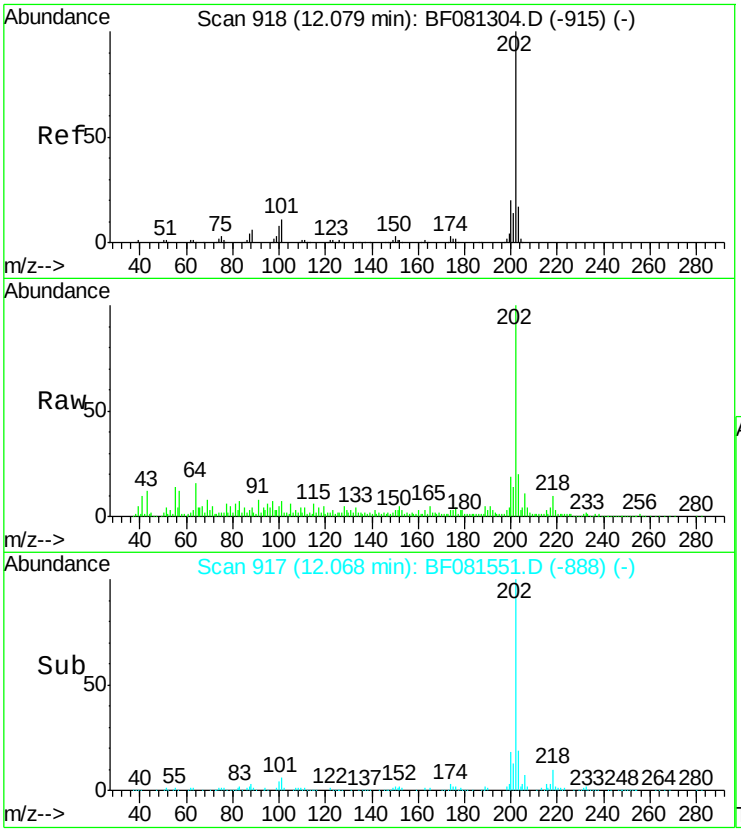


#71
Anthracene
Concen: 8.05 ng m
RT: 10.92 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:178 Resp: 56090

Ion	Ratio	Lower	Upper
178	100		
176	20.4	14.1	21.1
179	19.2	12.2	18.2#

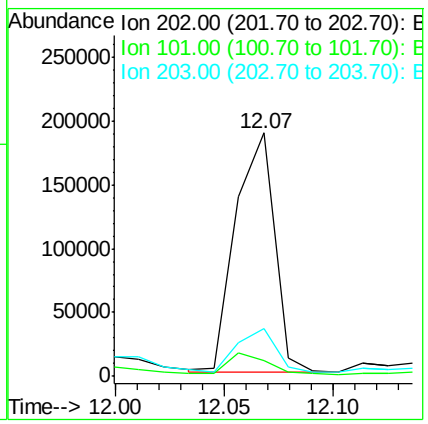




#74
Fluoranthene
Concen: 31.48 ng
RT: 12.07 min Scan# 917
Delta R.T. 0.03 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:202 Resp: 231100

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	38.3
203	19.7	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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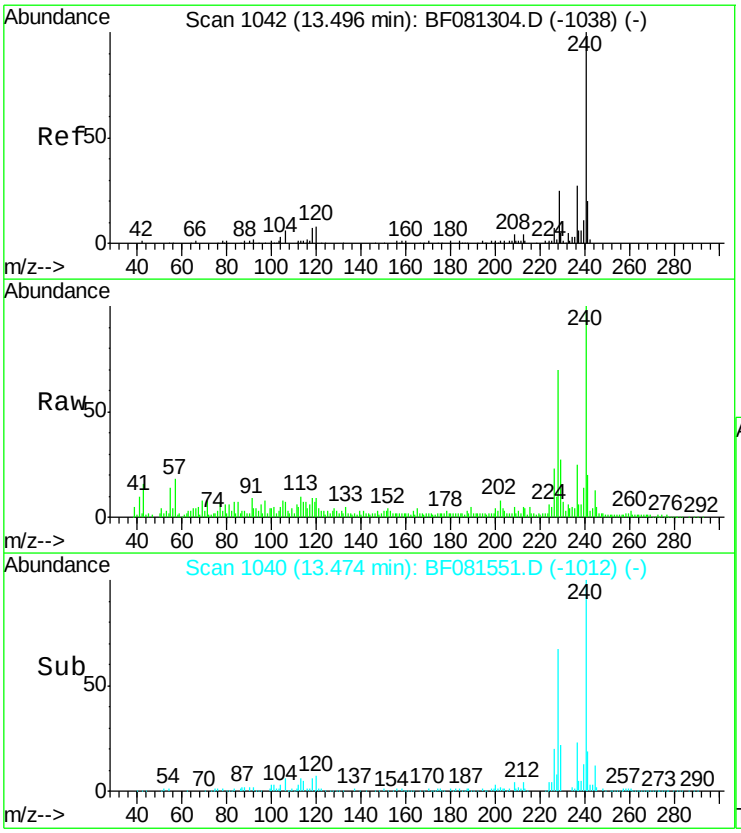
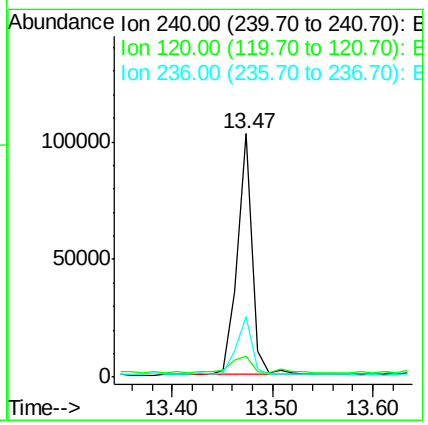
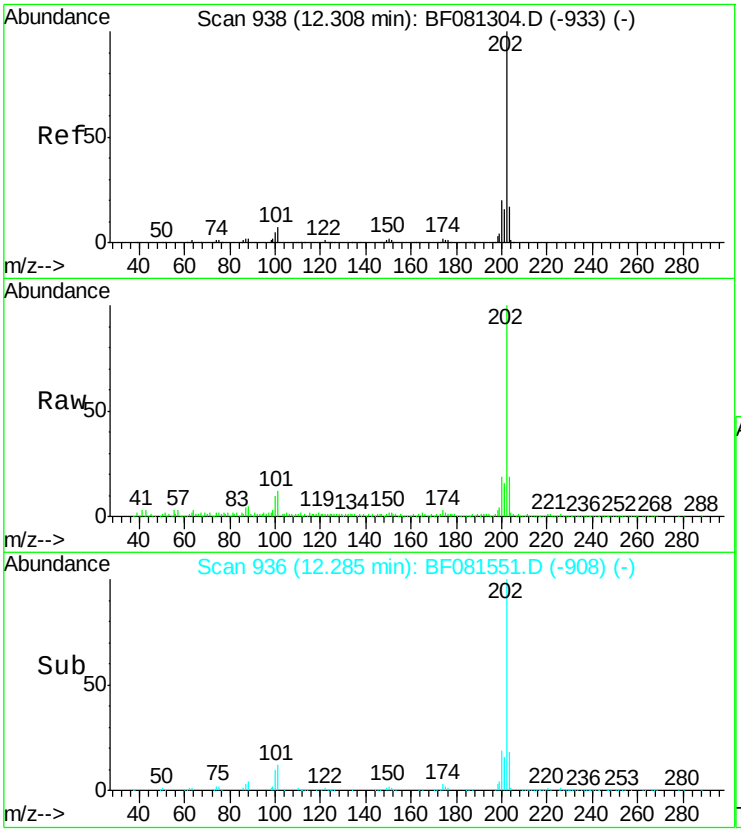


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.47 min Scan# 1040
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:240 Resp: 105824

Ion	Ratio	Lower	Upper
240	100		
120	8.7	16.2	24.2#
236	24.9	18.4	27.6

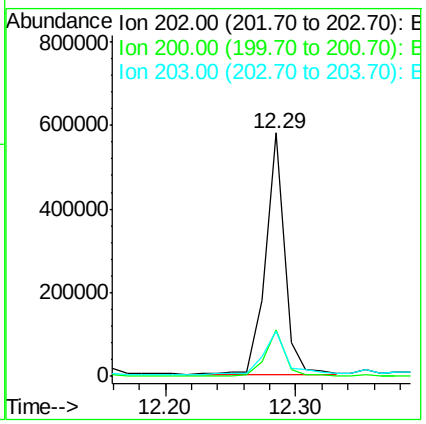




#77
Pyrene
Concen: 77.11 ng
RT: 12.29 min Scan# 936
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:202 Resp: 604463

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.0	22.4
203	18.6	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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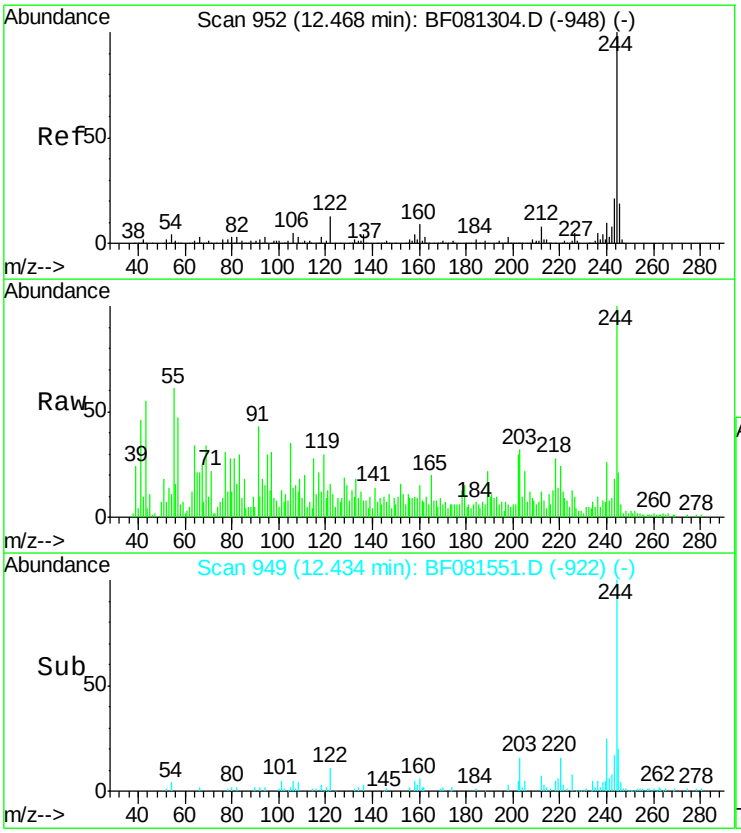
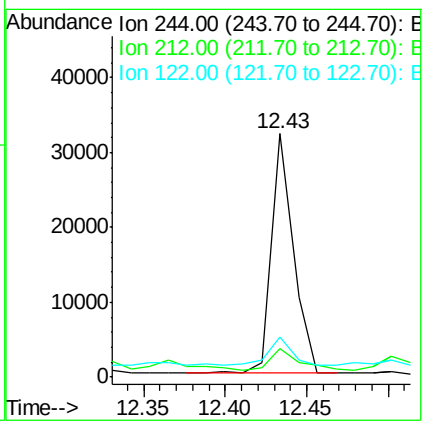
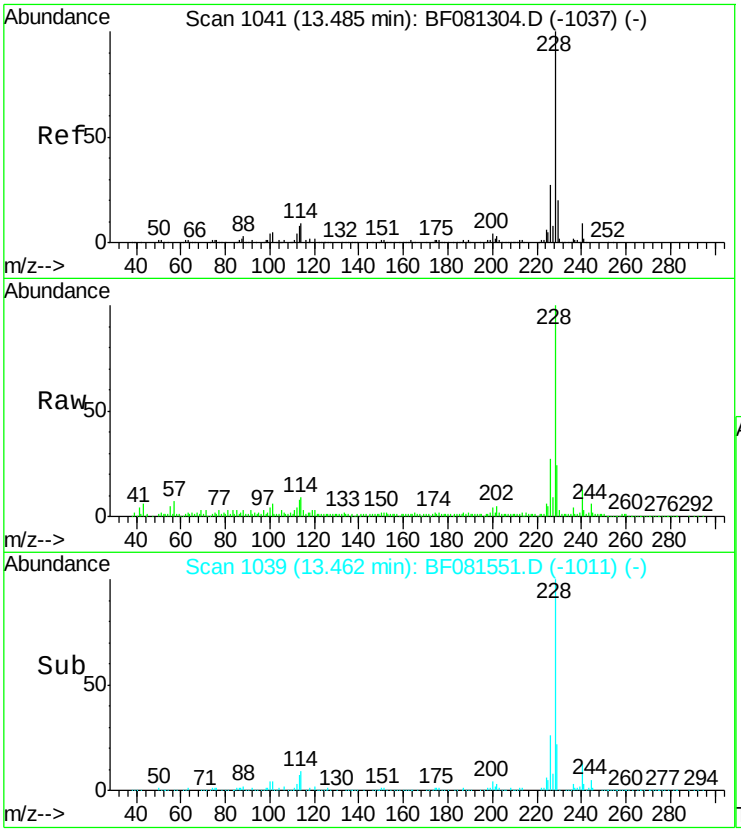


#78
Terphenyl-d14
Concen: 6.69 ng
RT: 12.43 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:244 Resp: 30412

Ion	Ratio	Lower	Upper
244	100		
212	11.6	4.3	6.5#
122	16.4	17.4	26.2#





#80
Benzo(a)anthracene
Concen: 46.93 ng
RT: 13.46 min Scan# 1039
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:228 Resp: 316297

Ion	Ratio	Lower	Upper
228	100		
226	26.9	20.0	30.0
229	24.0	15.4	23.2#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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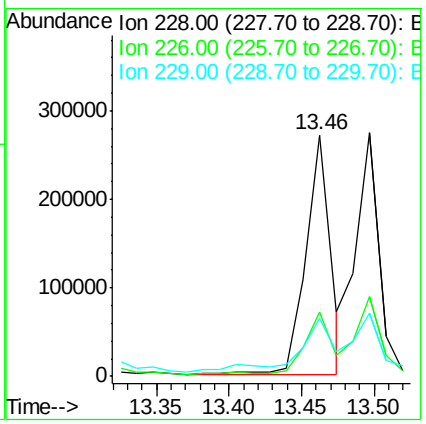
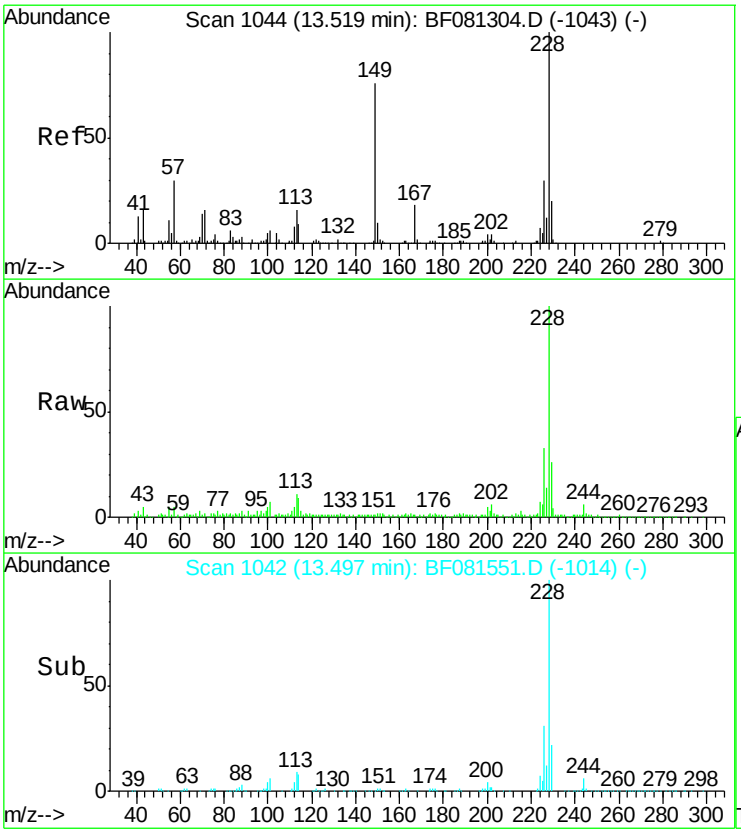
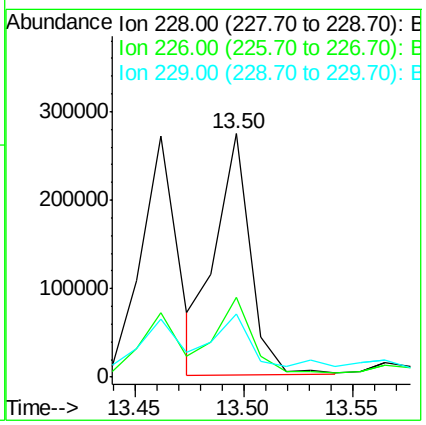


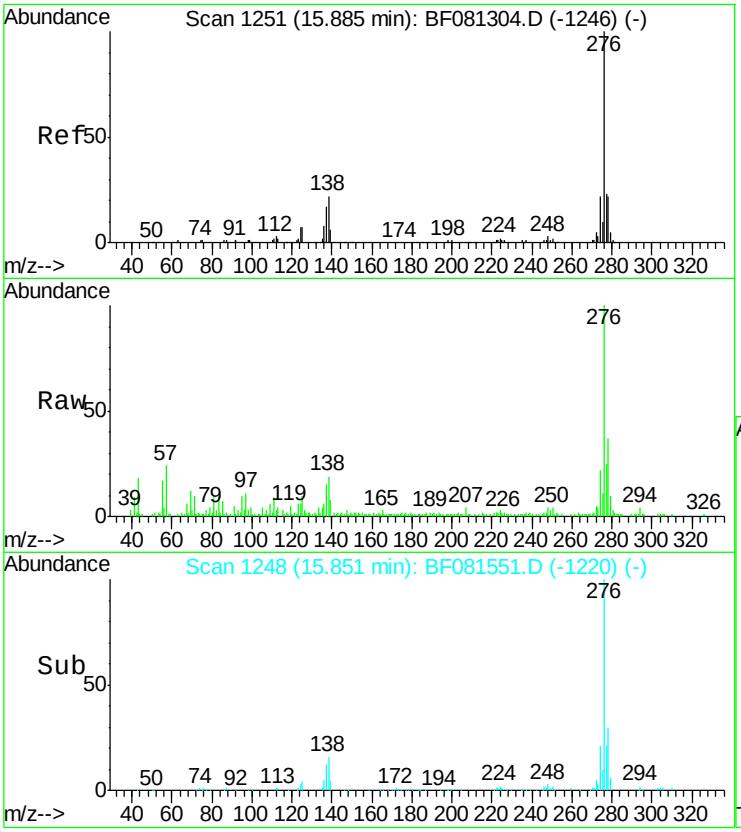


#82
Chrysene
Concen: 50.02 ng m
RT: 13.50 min Scan# 1042
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:228 Resp: 302206

Ion	Ratio	Lower	Upper
228	100		
226	33.0	21.0	31.4#
229	26.1	15.6	23.4#





#85
Indeno(1,2,3-cd)pyrene
Concen: 15.63 ng
RT: 15.85 min Scan# 1248
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:276 Resp: 69276

Ion	Ratio	Lower	Upper
276	100		
138	17.7	25.7	38.5#
277	25.7	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
MGP208BR-14-15RE

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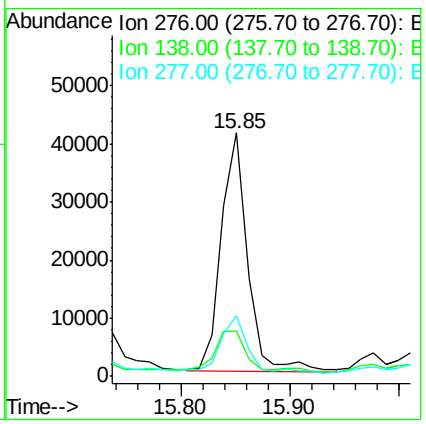
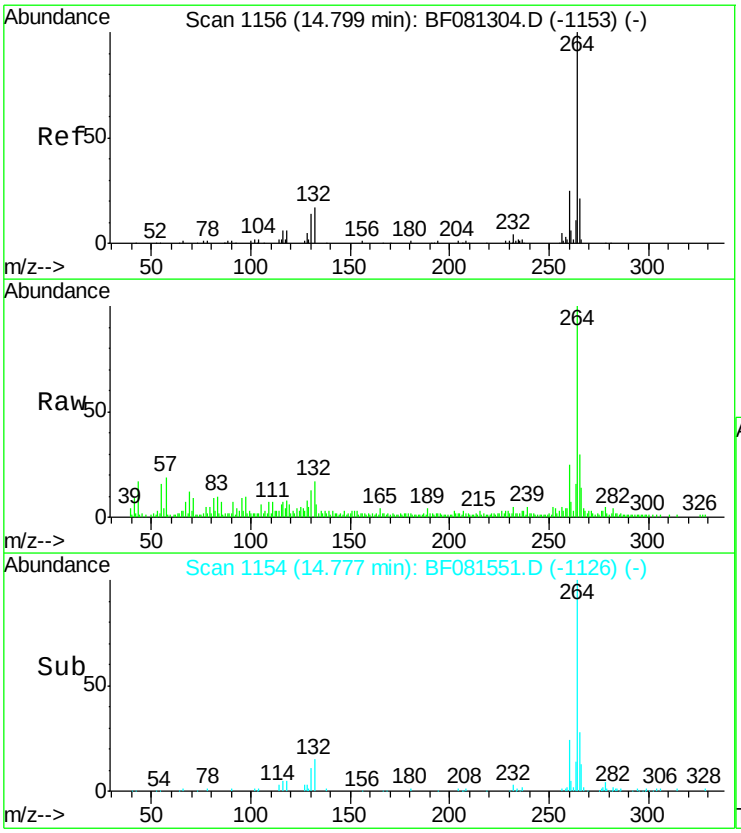
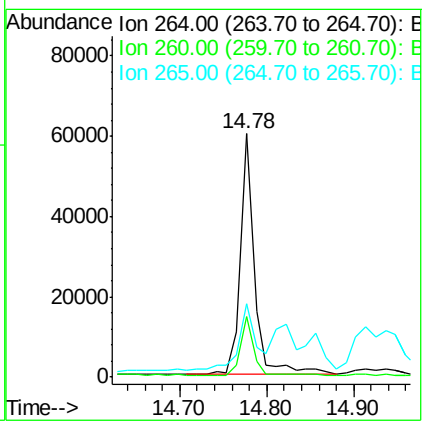


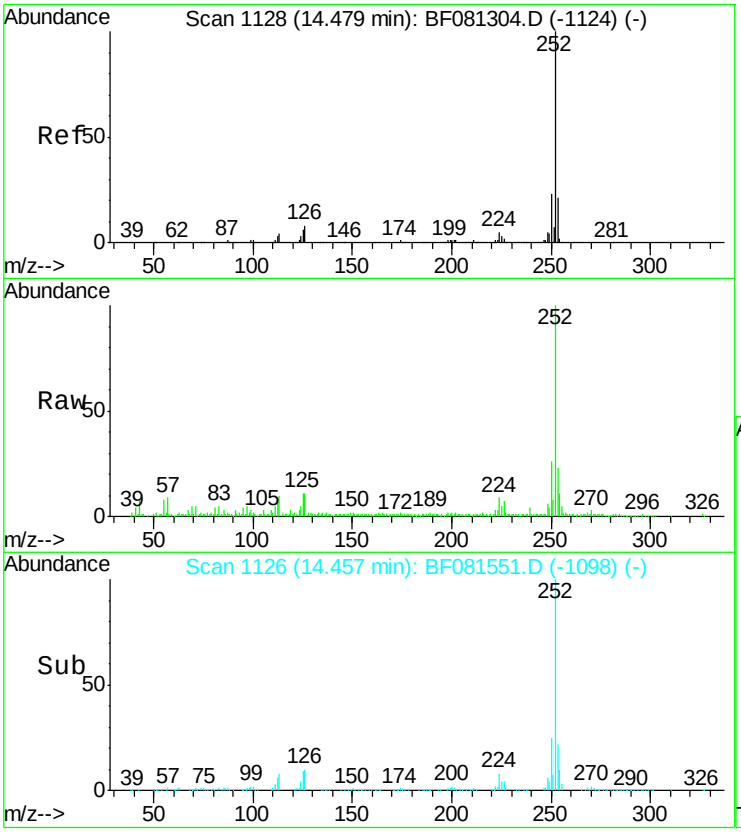


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:264 Resp: 67658

Ion	Ratio	Lower	Upper
264	100		
260	25.0	16.7	25.1
265	30.3	17.2	25.8#





#87
Benzo(b)fluoranthene
Concen: 47.94 ng m
RT: 14.46 min Scan# 1126
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:252 Resp: 231564

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.9	17.1	25.7#

Instrument :
BNA_F
ClientSampleId :
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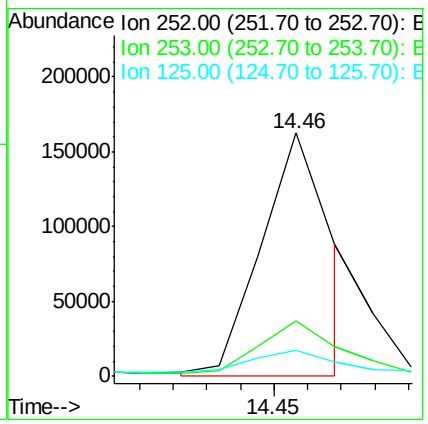
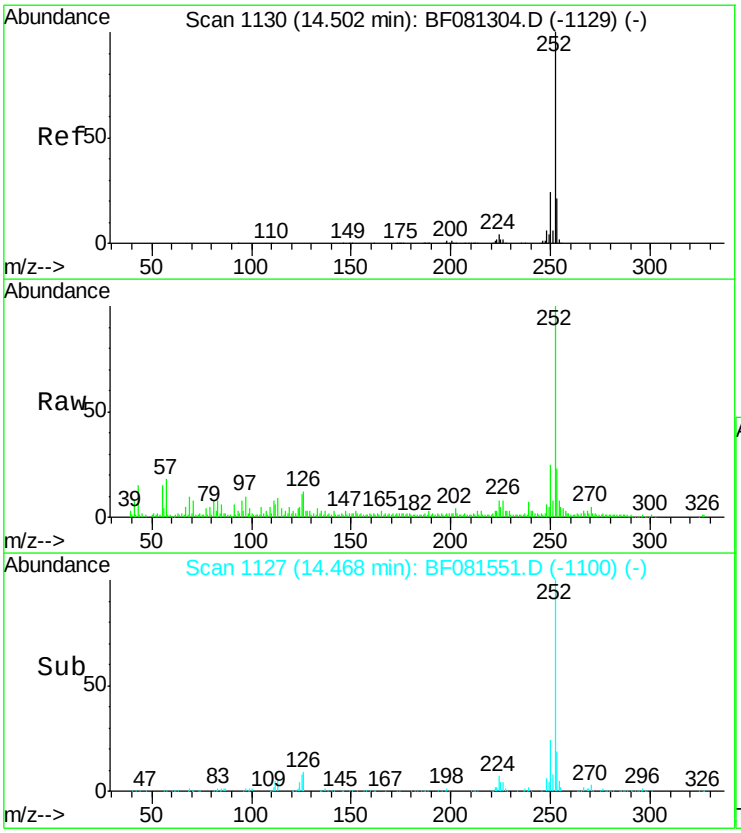
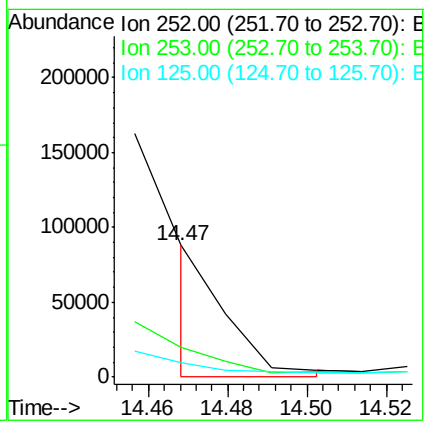


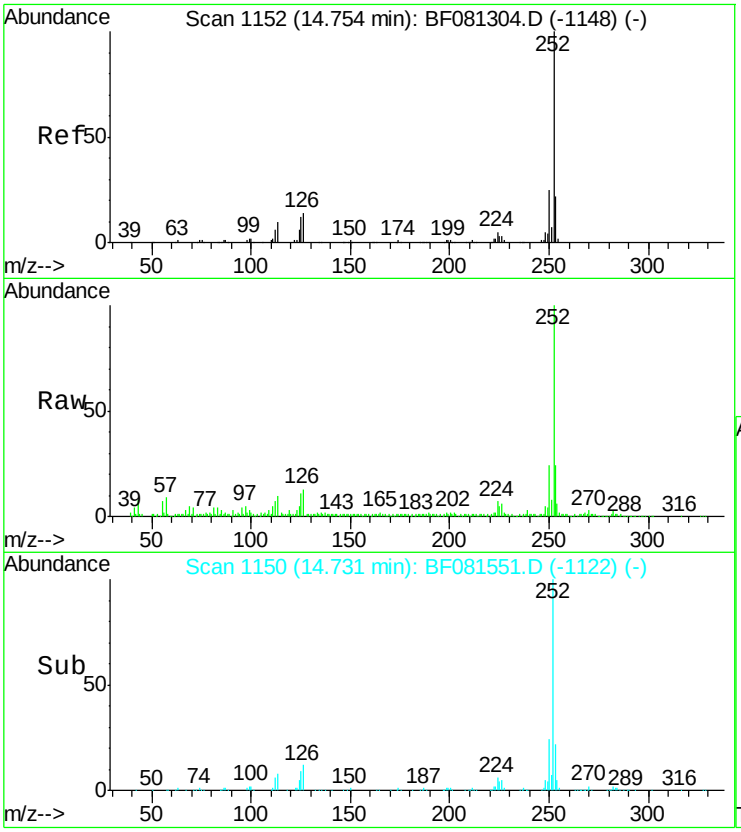


#88
Benzo(k)fluoranthene
Concen: 8.98 ng m
RT: 14.47 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:252 Resp: 35979

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.4	16.0	24.0#





#89
Benzo(a)pyrene
Concen: 36.48 ng m
RT: 14.73 min Scan# 1150
Delta R.T. 0.02 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:252 Resp: 149301

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	10.6	18.0	27.0#

Instrument :
BNA_F
ClientSampleId :
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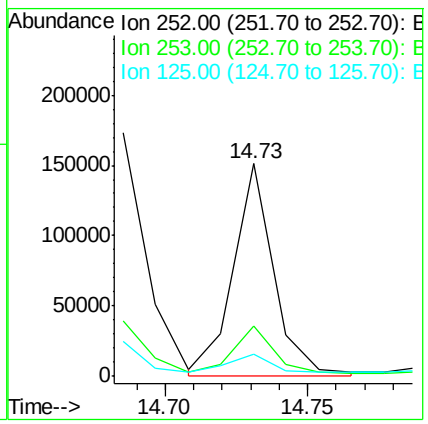
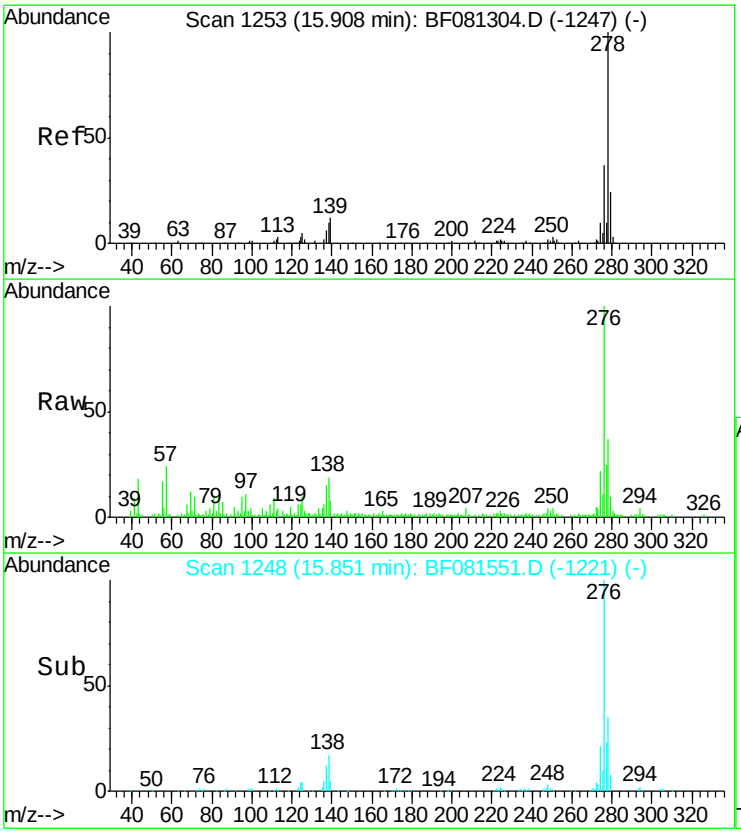
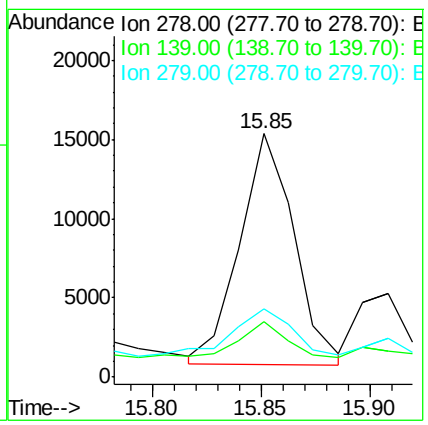


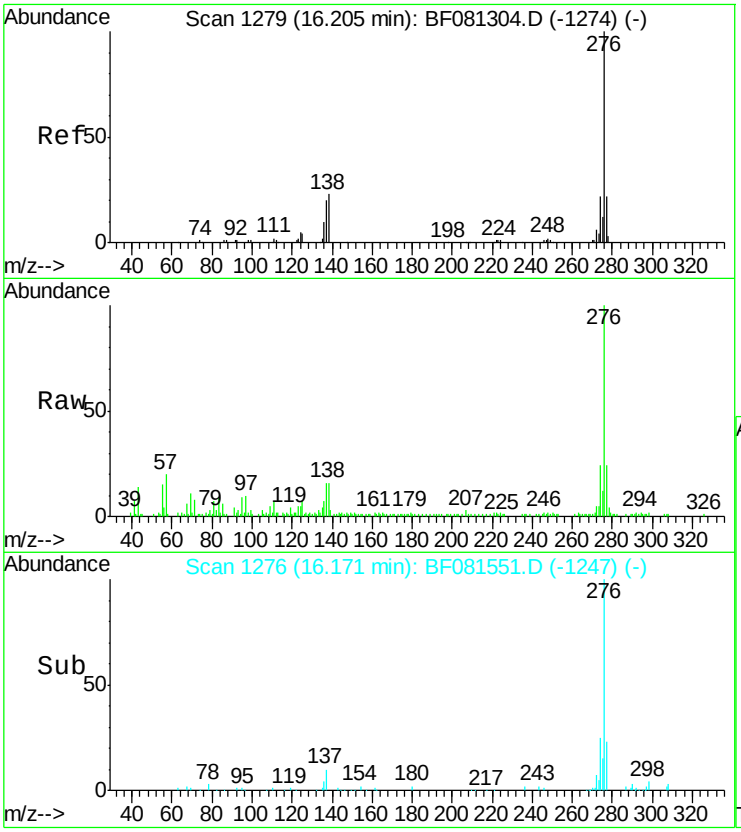


#90
Dibenzo(a,h)anthracene
Concen: 8.03 ng
RT: 15.85 min Scan# 1248
Delta R.T. 0.01 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:278 Resp: 25390

Ion	Ratio	Lower	Upper
278	100		
139	22.7	26.3	39.5#
279	28.0	18.2	27.4#

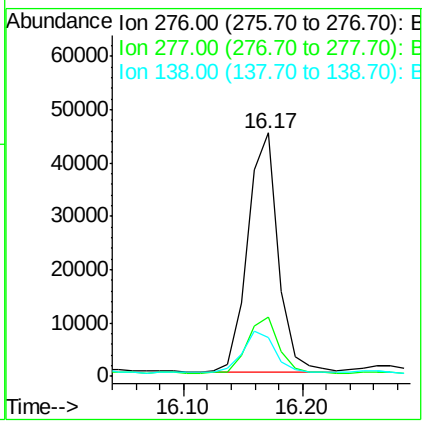




#91
Benzo(g,h,i)perylene
Concen: 26.86 ng
RT: 16.17 min Scan# 1276
Delta R.T. 0.03 min
Lab File: BF081551.D
Acq: 9 Sep 2015 7:46

Tgt Ion:276 Resp: 81092

Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.8	26.6
138	16.2	34.6	51.8#



Instrument :
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ClientSampleId :
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