Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051615\
Data File : BM001307.D
Acq On : 15 May 2015 00:21
Operator : TP/IZ
Sample : PB83363BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB83363BS

Manual Integrations APPROVED
mohammad
5/18/2015 8:37:21 AM

Quant Time: May 15 06:09:25 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 05:14:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	13075	5.00	ng		0.00
6) Naphthalene-d8	10.22	136	47128	5.00	ng		0.00
12) Acenaphthene-d10	14.12	164	25347	5.00	ng		0.00
18) Phenanthrene-d10	16.85	188	77092	5.00	ng		0.00
24) Chrysene-d12	21.07	240	49571	5.00	ng		-0.01
30) Perylene-d12	23.17	264	47815	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.02	112	35806	14.06	ng		-0.02
5) Phenol-d6	6.63	99	44883	15.62	ng		0.00
7) Nitrobenzene-d5	8.60	82	27590	9.18	ng		0.00
13) 2,4,6-Tribromophenol	15.60	330	9885	11.34	ng		-0.03
14) 2-Fluorobiphenyl	12.73	172	74814	9.51	ng		0.00
26) Terphenyl-d14	19.51	244	60251	9.05	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.90	88	10253	10.06	ng	#	57
3) n-Nitrosodimethylamine	3.23	42	14163	9.57	ng	#	99
8) Nitrobenzene	8.64	77	31670	9.81	ng		96
9) Naphthalene	10.27	128	94453	9.41	ng		98
10) Hexachlorobutadiene	10.56	225	18070	9.22	ng		99
11) 2-Methylnaphthalene	11.90	142	62910m	9.65	ng		
15) Acenaphthylene	13.83	152	111327	10.67	ng		99
16) Acenaphthene	14.18	154	63031	9.44	ng		97
17) Fluorene	15.14	166	55032	9.09	ng	#	80
19) Hexachlorobenzene	16.18	284	35913	7.24	ng	#	84
20) Pentachlorophenol	16.52	266	40009	26.67	ng		86
21) Phenanthrene	16.88	178	112257	9.58	ng	#	96
22) Anthracene	16.98	178	125267	10.97	ng	#	97
23) Fluoranthene	18.93	202	145301	7.90	ng		100
25) Pyrene	19.30	202	153532	10.02	ng		99
27) Benzo(a)anthracene	21.05	228	142132	10.56	ng		96
28) Chrysene	21.10	228	136079	9.98	ng		95
29) Indeno(1,2,3-cd)pyrene	25.26	276	158228	11.41	ng		99
31) Benzo(b)fluoranthene	22.55	252	142983	10.20	ng		98
32) Benzo(k)fluoranthene	22.59	252	136389	10.23	ng		97
33) Benzo(a)pyrene	23.08	252	136290	11.23	ng		96
34) Dibenzo(a,h)anthracene	25.27	278	128479	11.26	ng		96
35) Benzo(g,h,i)perylene	25.89	276	135602	10.83	ng		98

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

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Manual Integrations APPROVED
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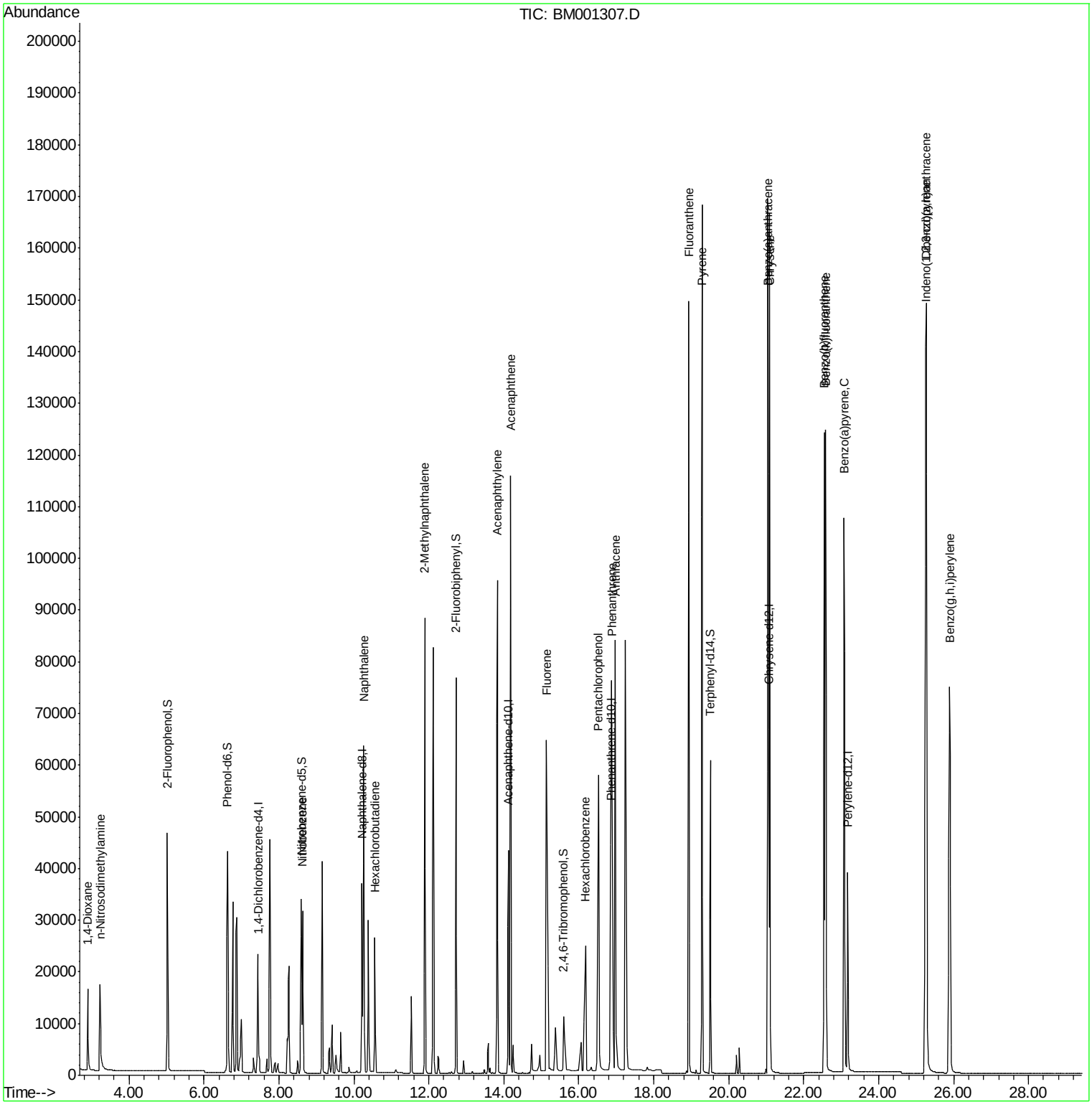
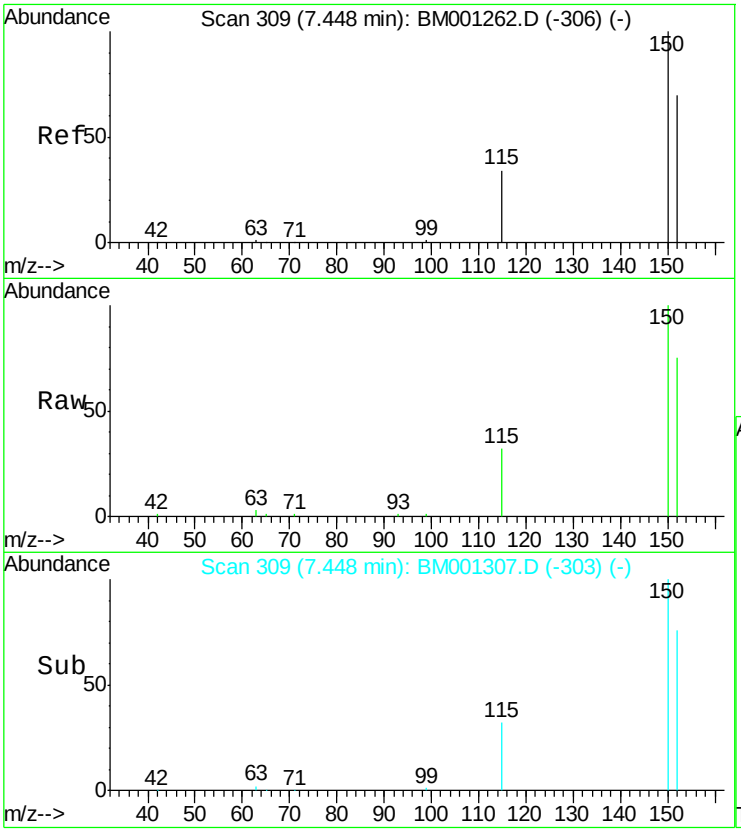
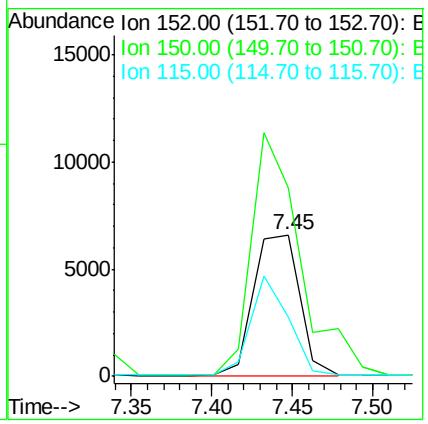




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.45 min Scan# 309
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:152 Resp: 13075

Ion	Ratio	Lower	Upper
152	100		
150	133.1	114.6	172.0
115	42.3	39.3	58.9



Instrument :
BNA_M
ClientSampleId :
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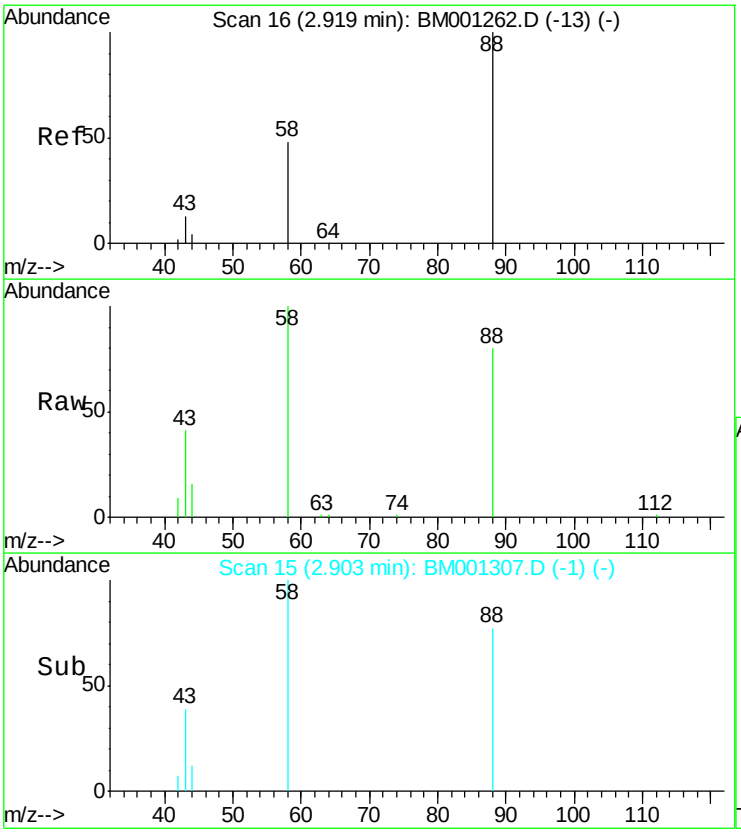
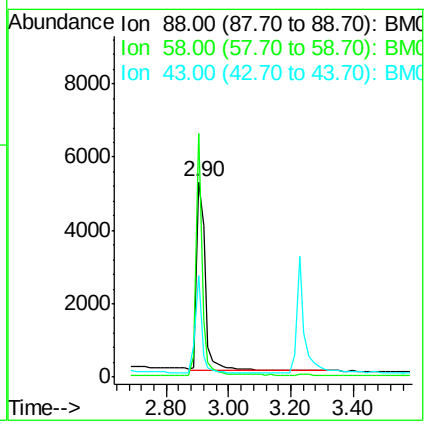
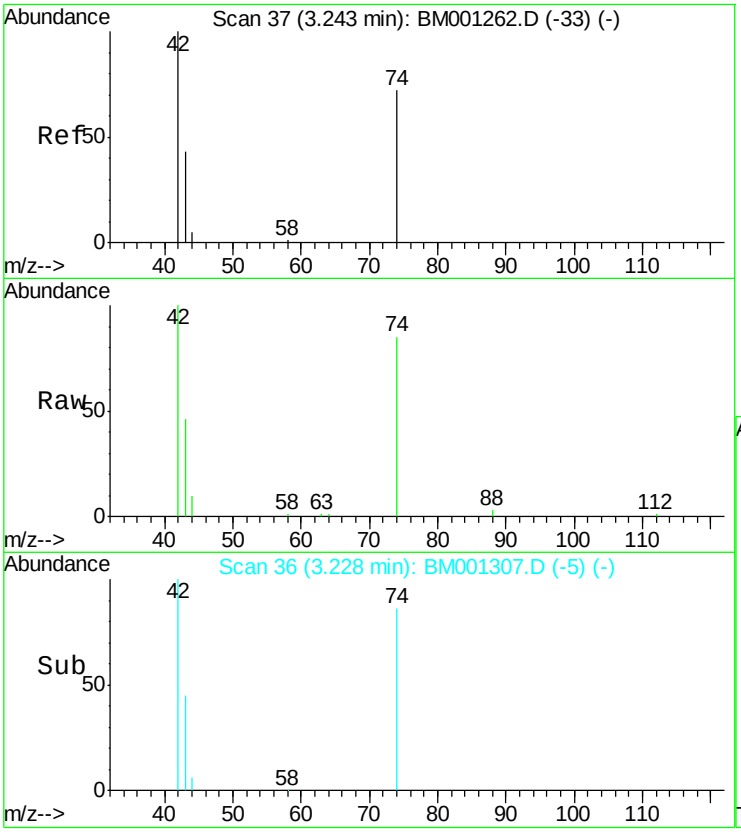


#2
1,4-Dioxane
Concen: 10.06 ng
RT: 2.90 min Scan# 15
Delta R.T. -0.02 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion: 88 Resp: 10253

Ion	Ratio	Lower	Upper
88	100		
58	84.1	39.0	58.6#
43	37.9	20.2	30.2#





#3
n-Nitrosodimethylamine
Concen: 9.57 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion: 42 Resp: 14163

Ion	Ratio	Lower	Upper
42	100		
74	101.7	82.1	123.1
44	5.8	3.0	4.4#

Instrument :
BNA_M
ClientSampleId :
PB83363BS

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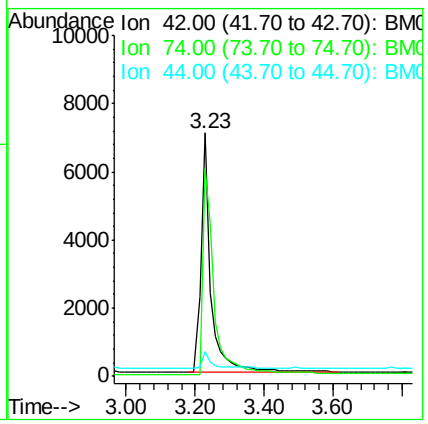
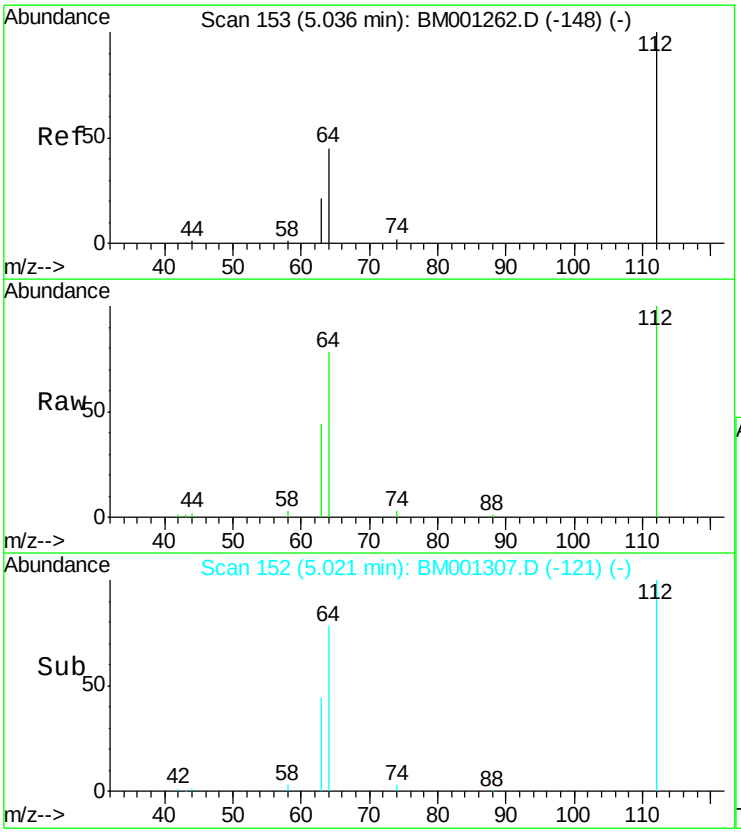
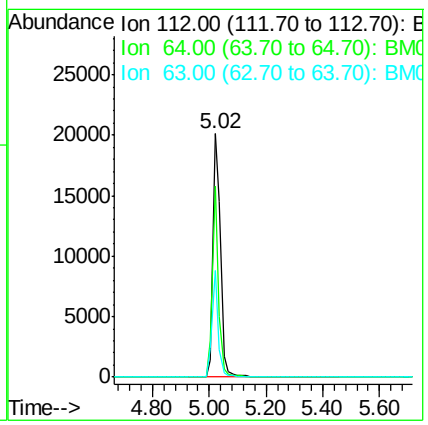


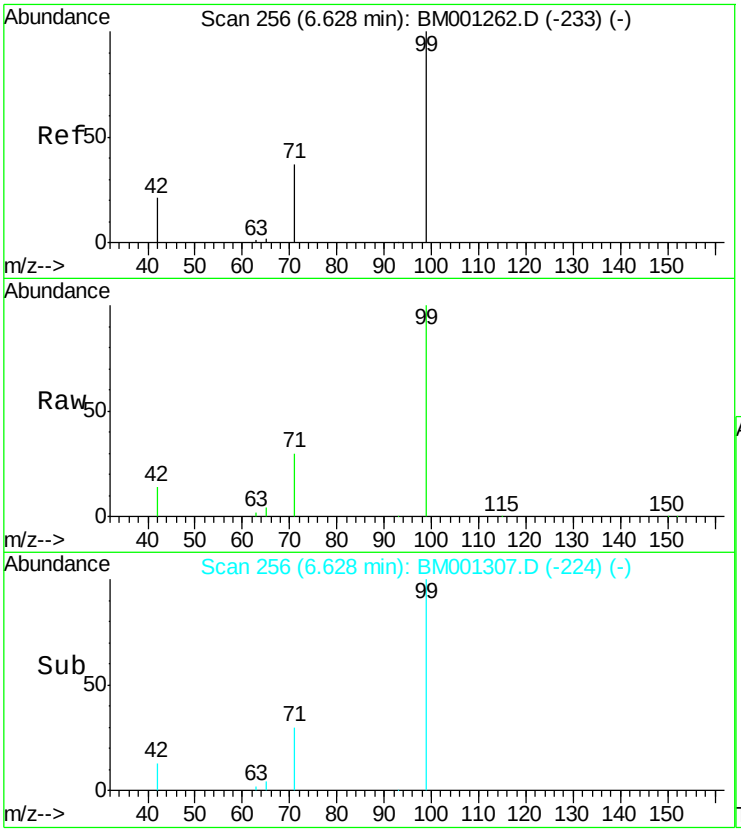


#4
2-Fluorophenol
Concen: 14.06 ng
RT: 5.02 min Scan# 152
Delta R.T. -0.02 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:112 Resp: 35806

Ion	Ratio	Lower	Upper
112	100		
64	64.2	50.8	76.2
63	35.8	28.2	42.4

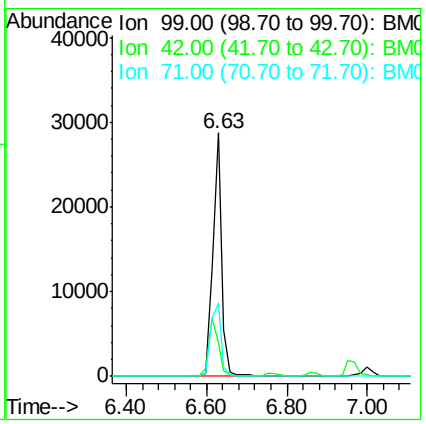




#5
Phenol-d6
Concen: 15.62 ng
RT: 6.63 min Scan# 256
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion: 99 Resp: 44883

Ion	Ratio	Lower	Upper
99	100		
42	25.4	19.9	29.9
71	35.3	28.0	42.0



Instrument :
BNA_M
ClientSampleId :
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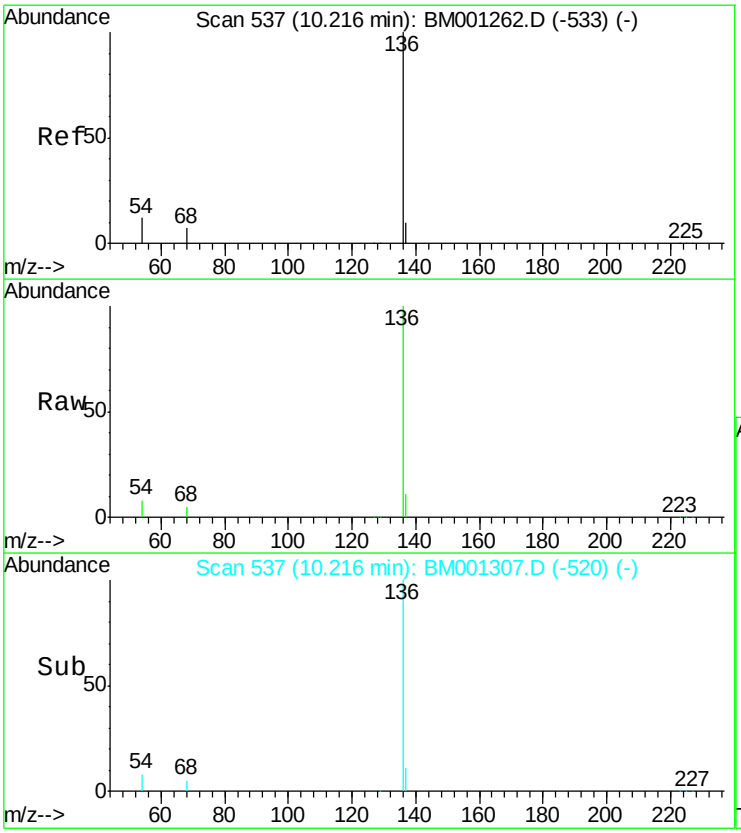
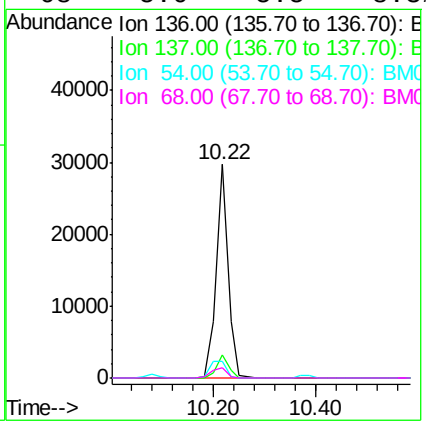
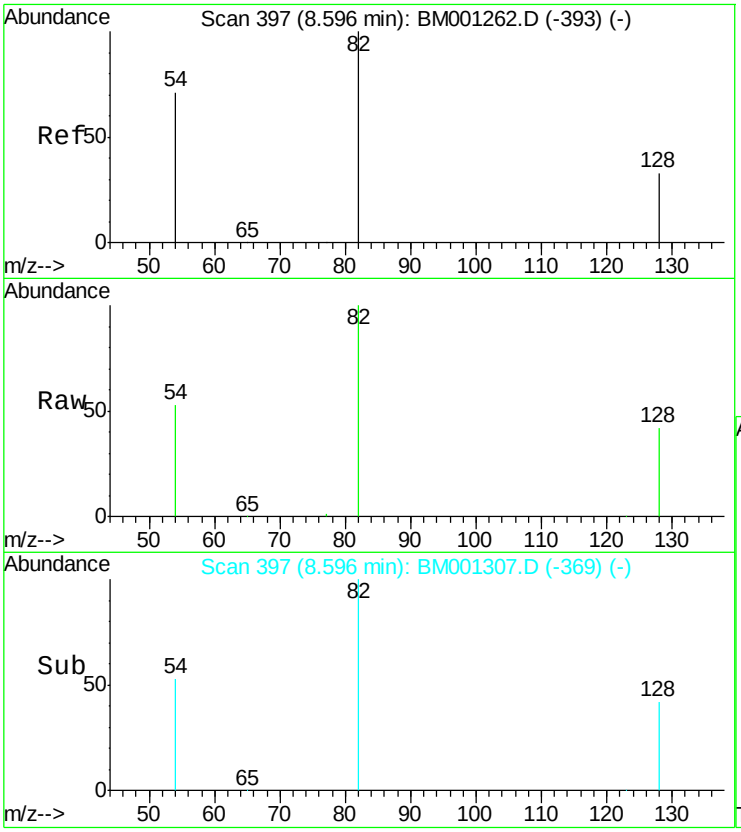


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.22 min Scan# 537
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:136 Resp: 47128

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	8.1	9.5	14.3#
68	5.0	5.5	8.3#

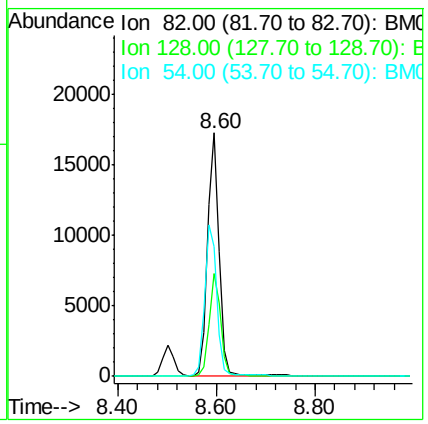




#7
Nitrobenzene-d5
Concen: 9.18 ng
RT: 8.60 min Scan# 397
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion: 82 Resp: 27590

Ion	Ratio	Lower	Upper
82	100		
128	42.3	28.0	42.0#
54	53.5	57.3	85.9#



Instrument :
BNA_M
ClientSampleId :
PB83363BS

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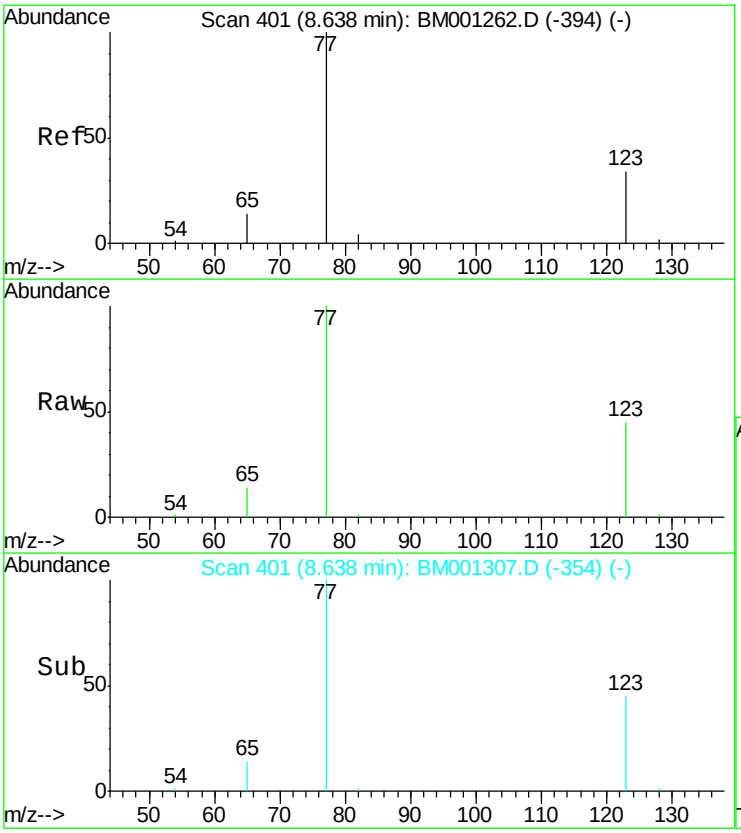
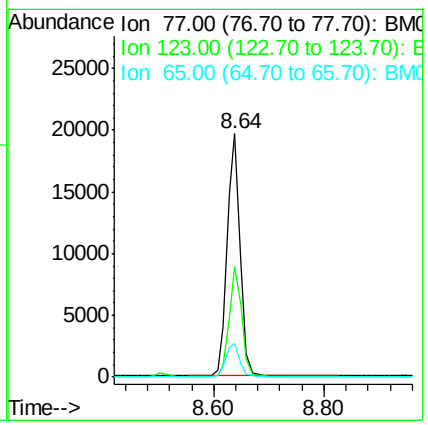
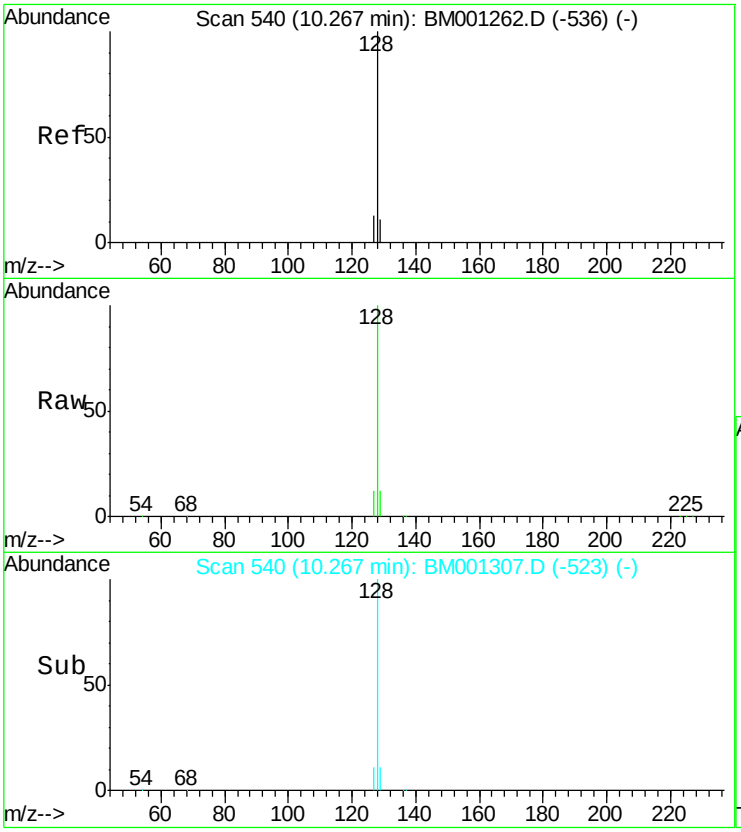


#8
Nitrobenzene
Concen: 9.81 ng
RT: 8.64 min Scan# 401
Delta R.T. 0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion: 77 Resp: 31670

Ion	Ratio	Lower	Upper
77	100		
123	44.1	33.4	50.2
65	14.5	10.6	15.8

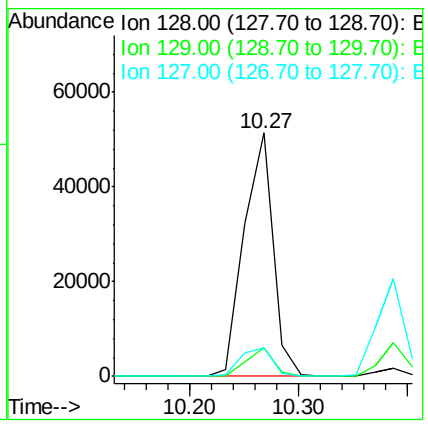




#9
Naphthalene
Concen: 9.41 ng
RT: 10.27 min Scan# 540
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:128 Resp: 94453

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	11.6	10.6	16.0



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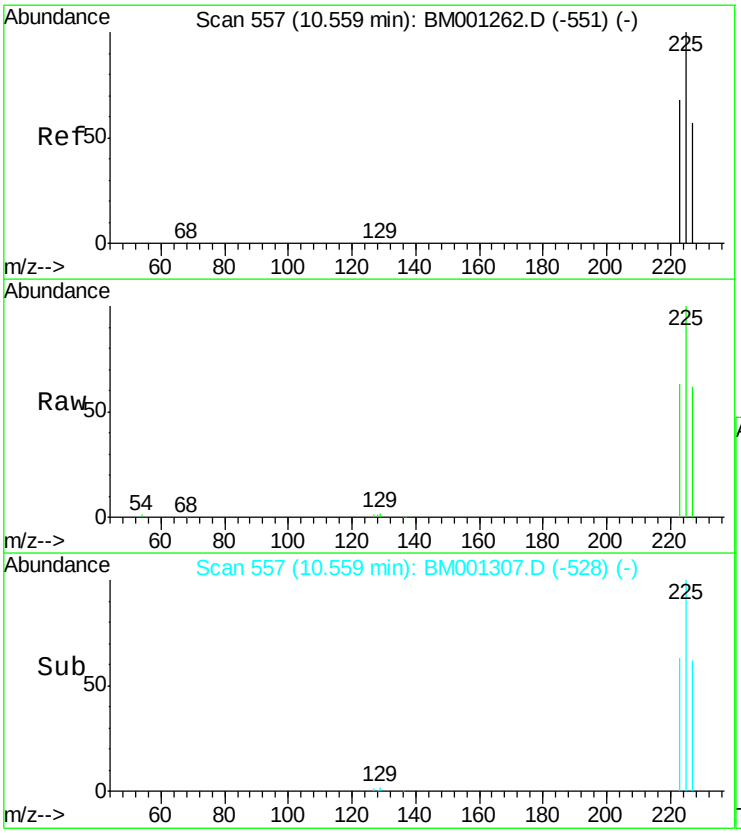
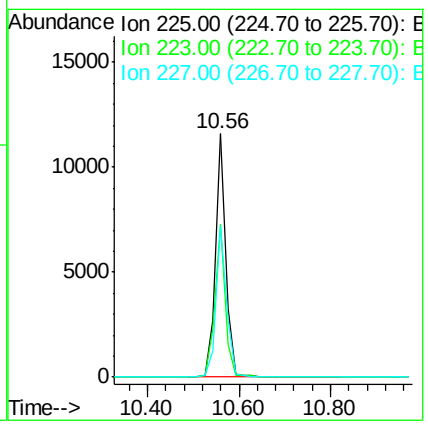
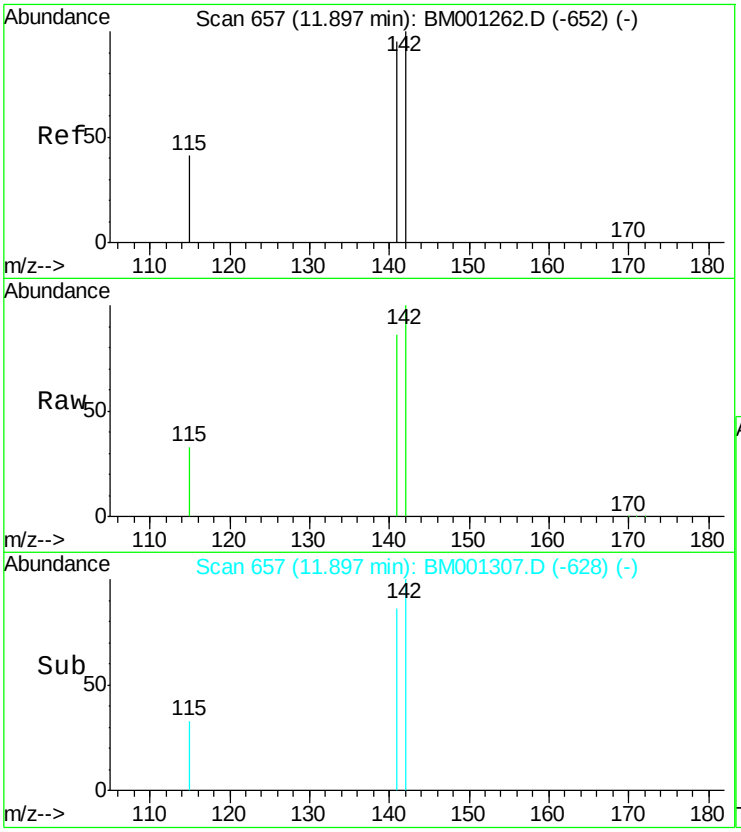


#10
Hexachlorobutadiene
Concen: 9.22 ng
RT: 10.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:225 Resp: 18070

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.6	74.4
227	63.5	51.4	77.2

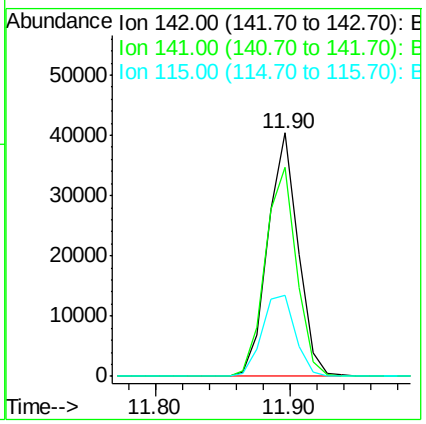




#11
2-Methylnaphthalene
Concen: 9.65 ng m
RT: 11.90 min Scan# 657
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:142 Resp: 62910

Ion	Ratio	Lower	Upper
142	100		
141	85.6	76.1	114.1
115	33.0	33.1	49.7#



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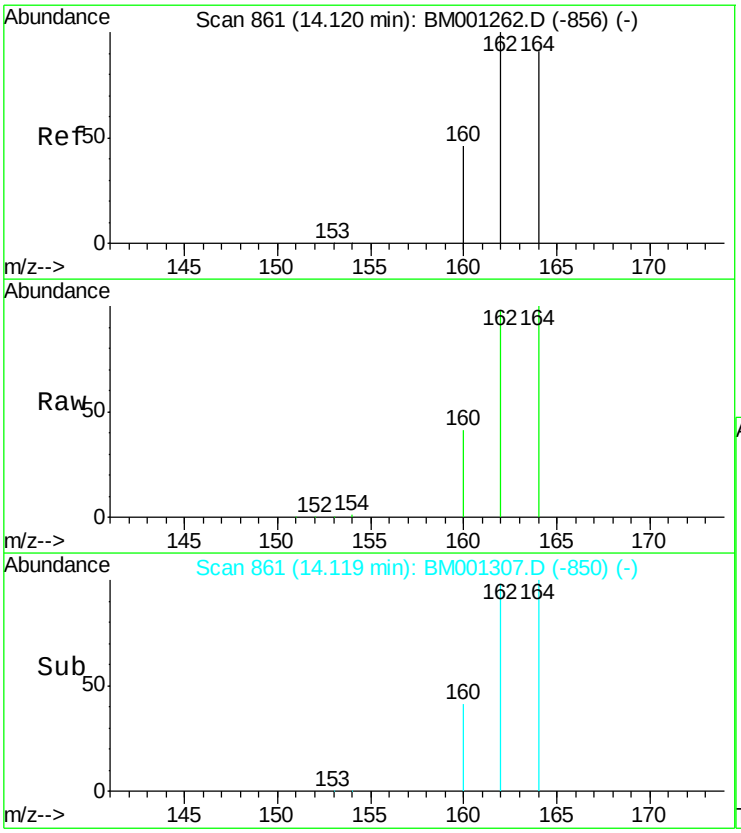
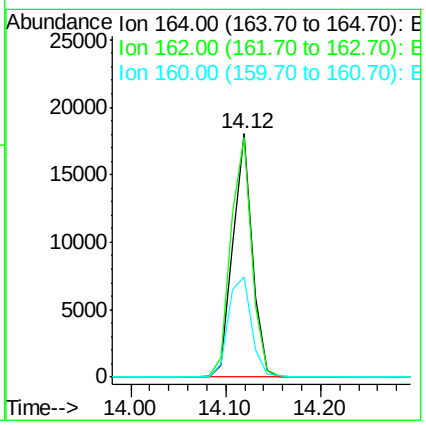
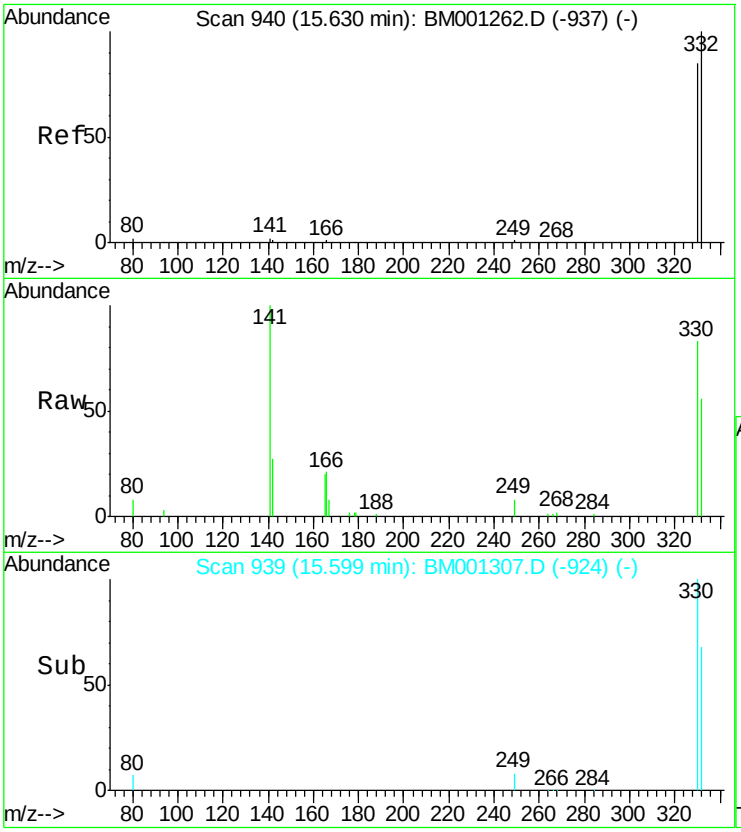


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.12 min Scan# 861
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:164 Resp: 25347

Ion	Ratio	Lower	Upper
164	100		
162	98.4	87.9	131.9
160	41.4	40.9	61.3

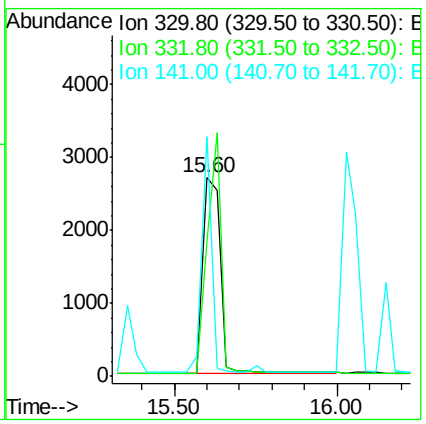




#13
2,4,6-Tribromophenol
Concen: 11.34 ng
RT: 15.60 min Scan# 939
Delta R.T. -0.03 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:330 Resp: 9885

Ion	Ratio	Lower	Upper
330	100		
332	0.0	89.0	133.4#
141	65.7	0.0	0.0#



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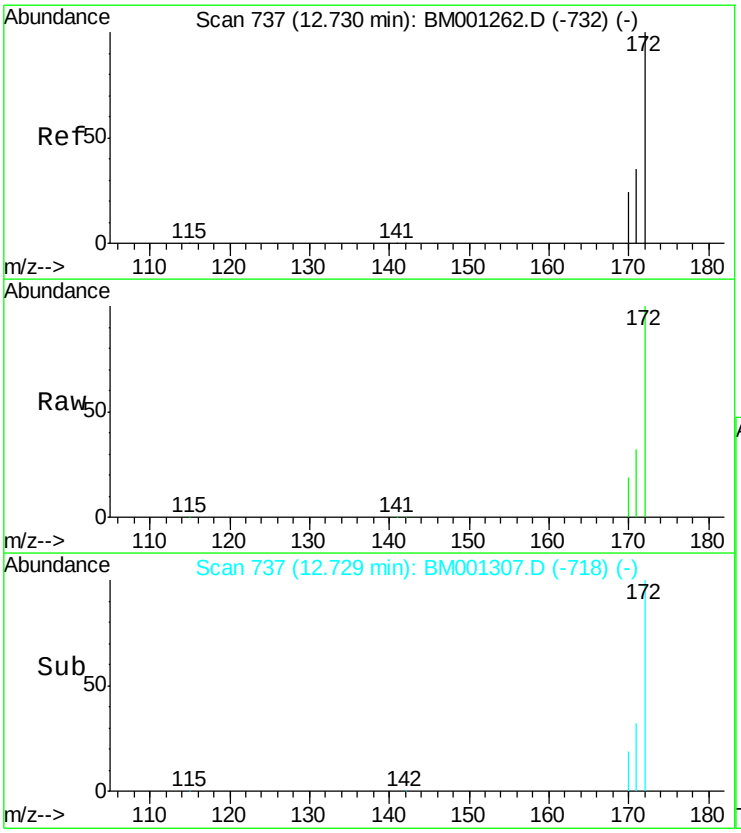
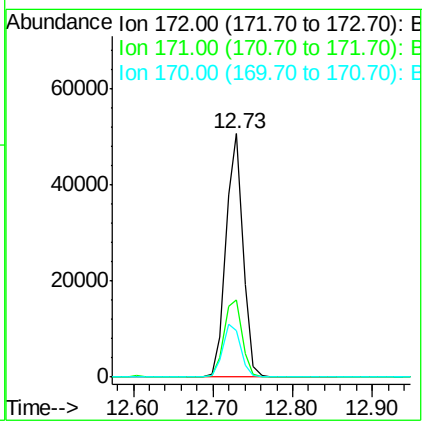
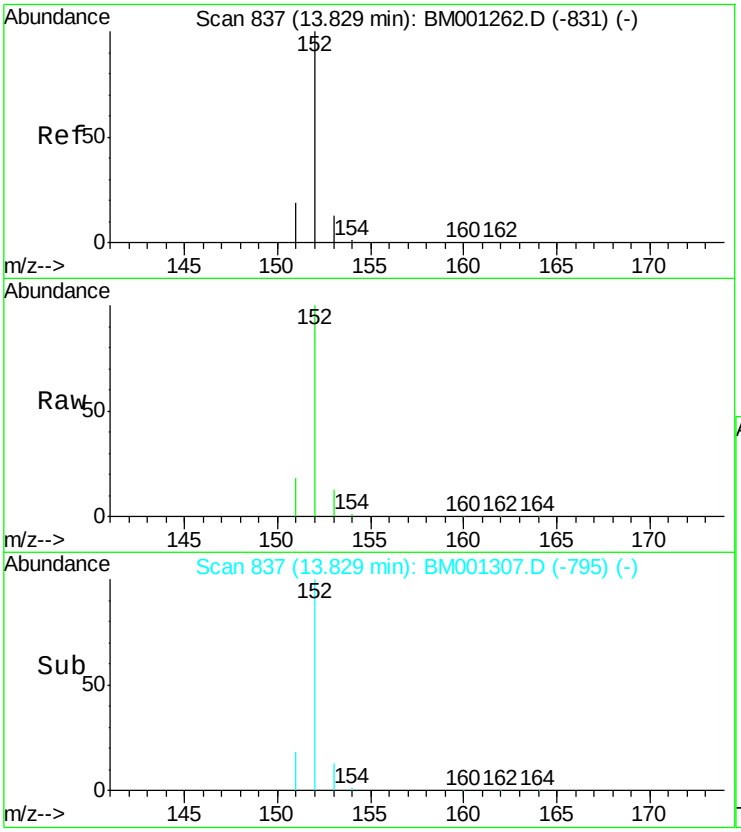


#14
2-Fluorobiphenyl
Concen: 9.51 ng
RT: 12.73 min Scan# 737
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:172 Resp: 74814

Ion	Ratio	Lower	Upper
172	100		
171	32.0	28.7	43.1
170	19.3	19.5	29.3#

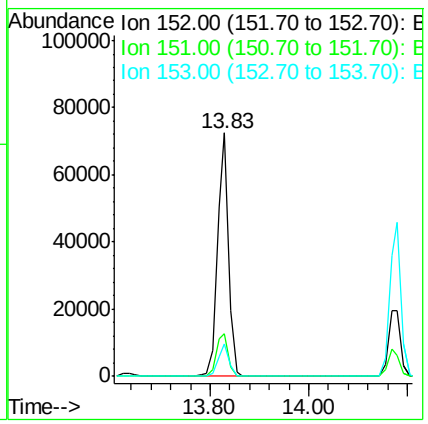




#15
Acenaphthylene
Concen: 10.67 ng
RT: 13.83 min Scan# 837
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:152 Resp: 111327

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.4
153	12.8	10.1	15.1



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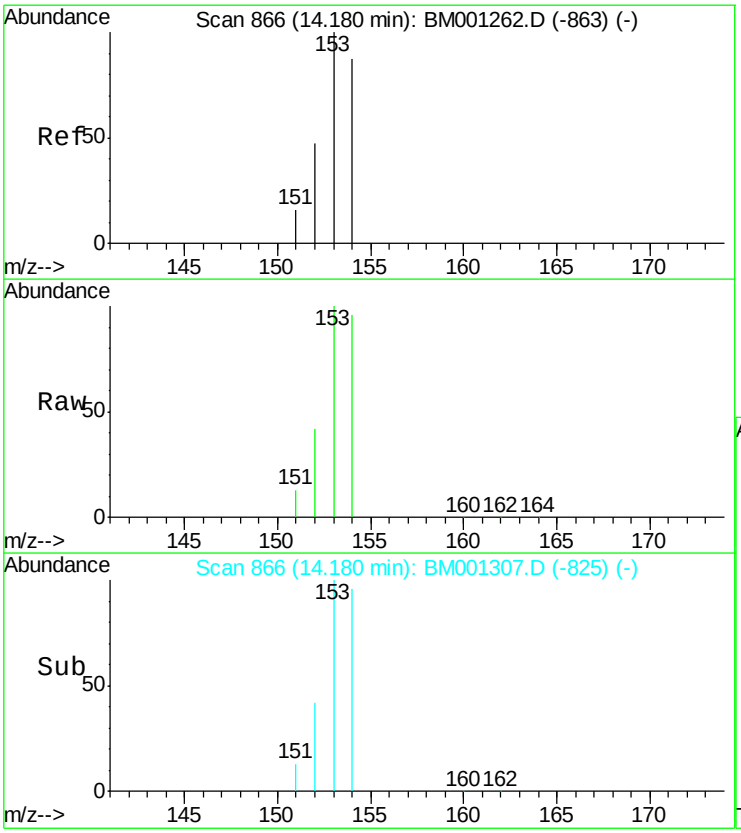
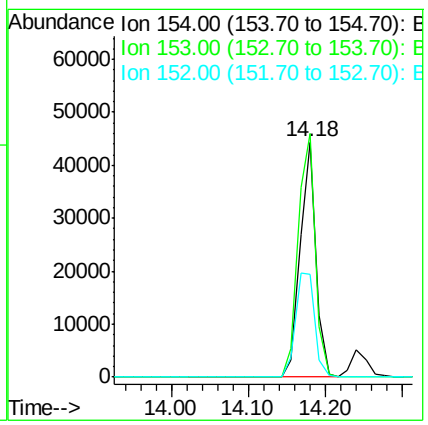
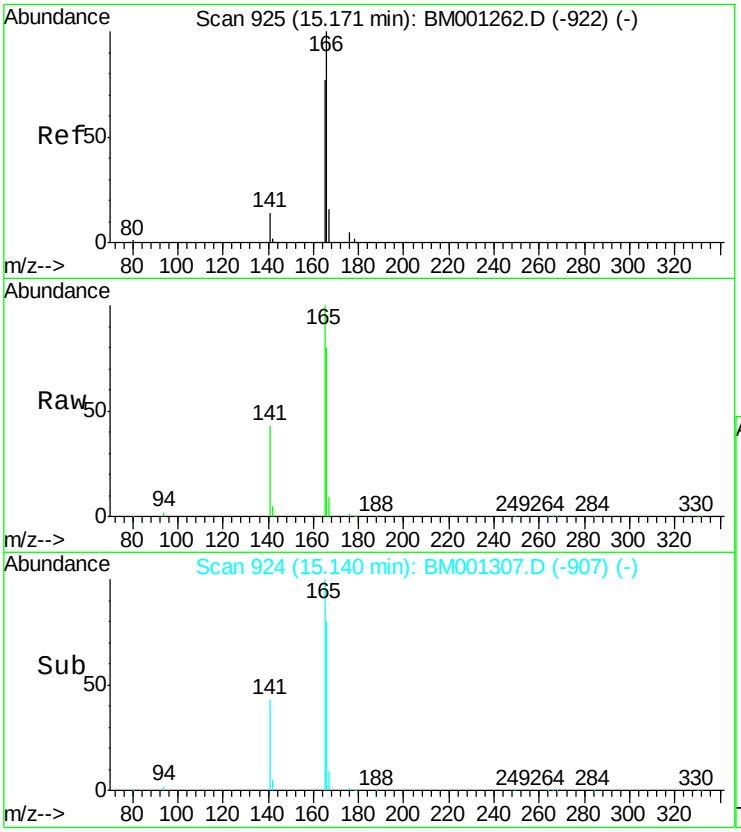


#16
Acenaphthene
Concen: 9.44 ng
RT: 14.18 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:154 Resp: 63031

Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.4	137.2
152	53.2	44.3	66.5





#17
Fluorene
Concen: 9.09 ng
RT: 15.14 min Scan# 924
Delta R.T. -0.03 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:166 Resp: 55032

Ion	Ratio	Lower	Upper
166	100		
165	109.2	70.6	106.0#
167	12.5	11.3	16.9

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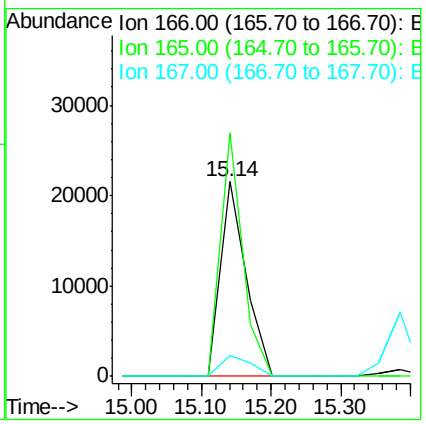
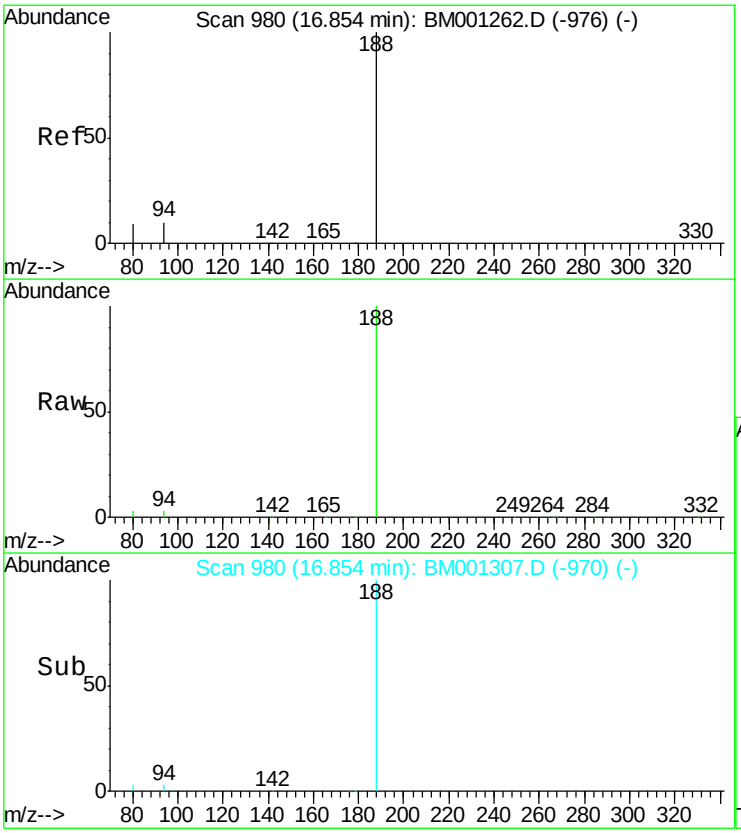
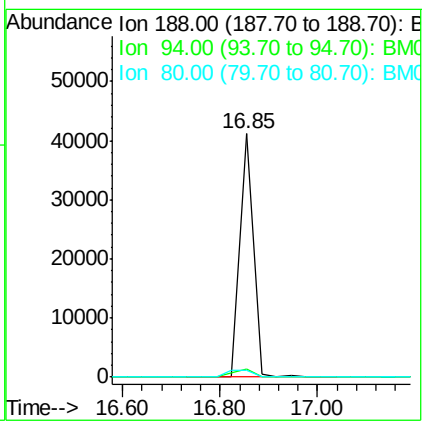


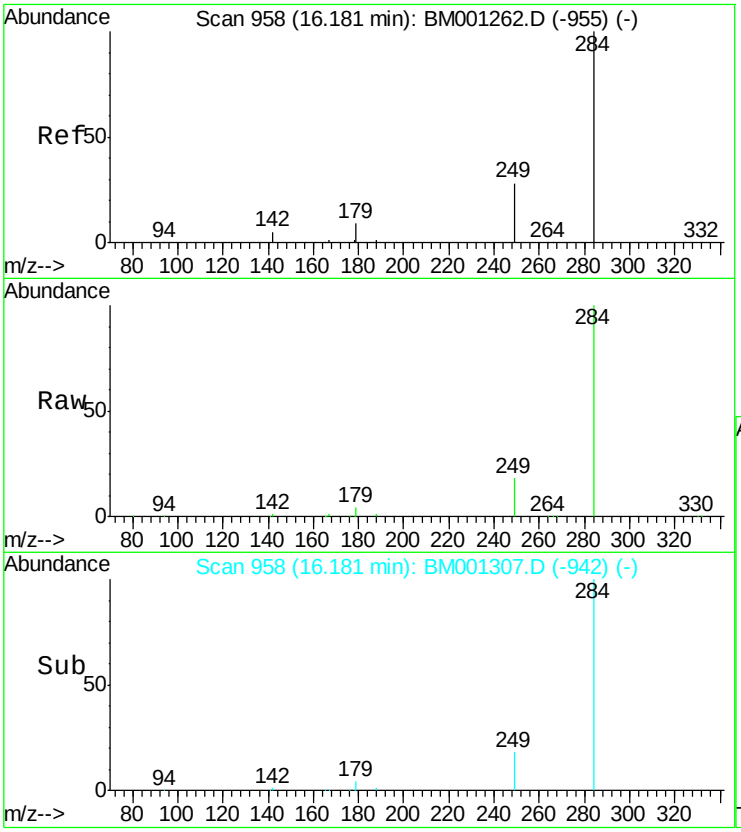


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:188 Resp: 77092

Ion	Ratio	Lower	Upper
188	100		
94	3.2	7.8	11.8#
80	2.7	7.5	11.3#

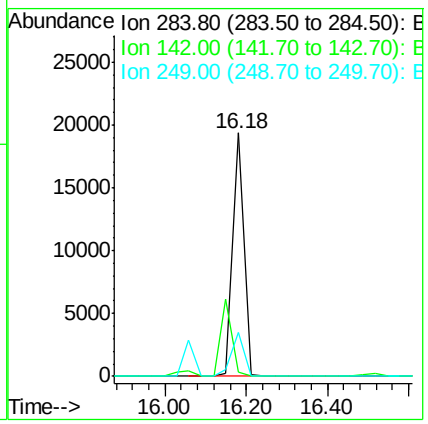




#19
Hexachlorobenzene
Concen: 7.24 ng
RT: 16.18 min Scan# 958
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:284 Resp: 35913

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	19.9	22.7	34.1#



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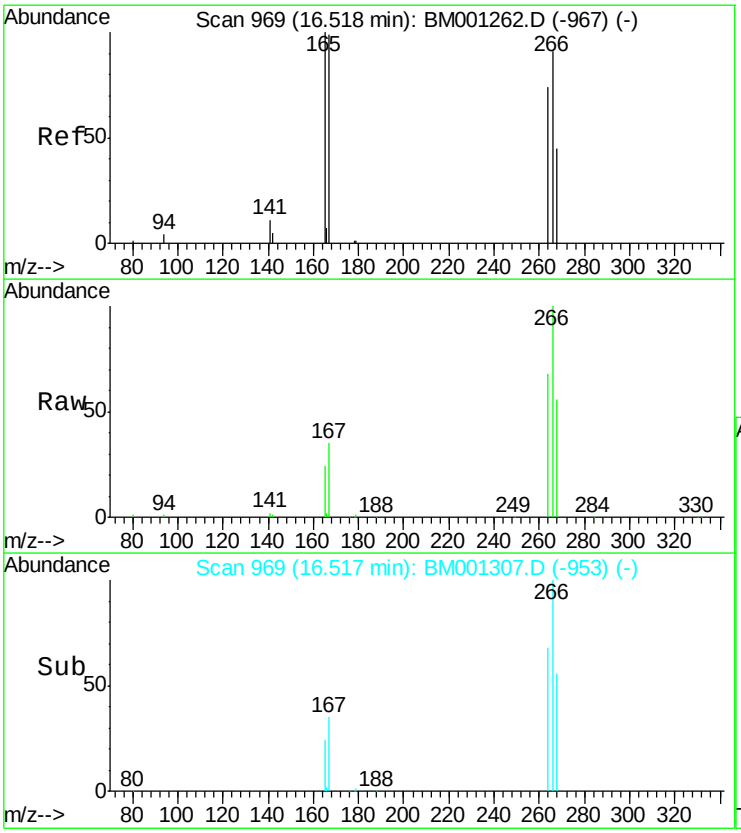
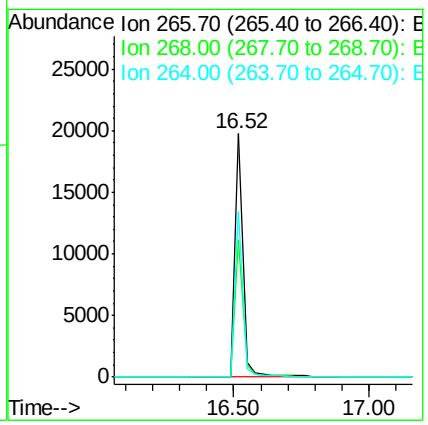
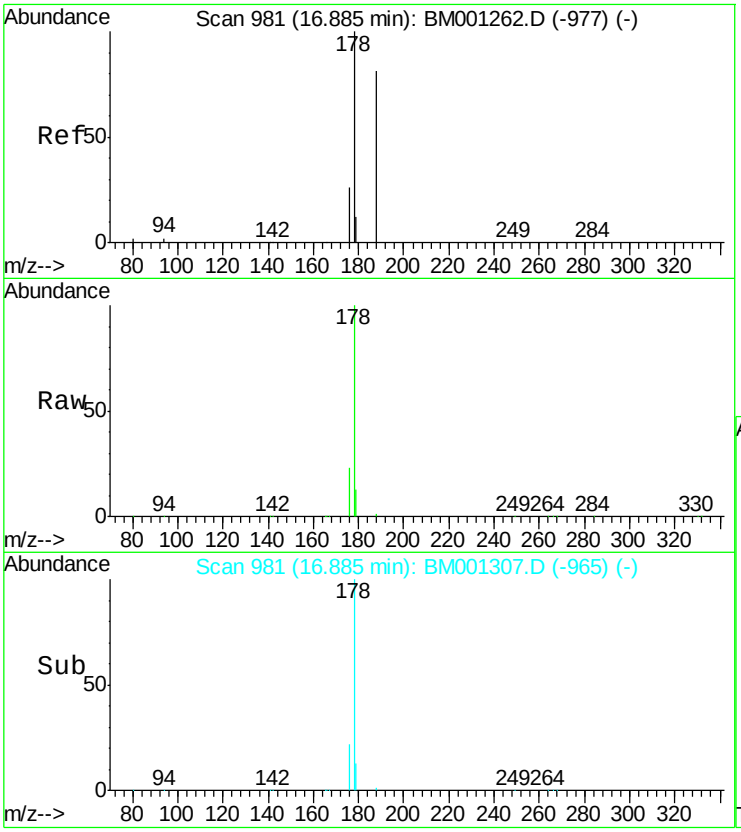


#20
Pentachlorophenol
Concen: 26.67 ng
RT: 16.52 min Scan# 969
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:266 Resp: 40009

Ion	Ratio	Lower	Upper
266	100		
268	56.2	49.4	74.0
264	67.8	67.8	101.6

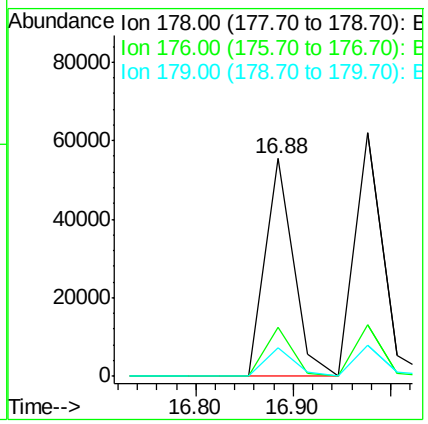




#21
Phenanthrene
Concen: 9.58 ng
RT: 16.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:178 Resp: 112257

Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.9	23.9
179	13.7	0.0	0.0#



Instrument :
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ClientSampleId :
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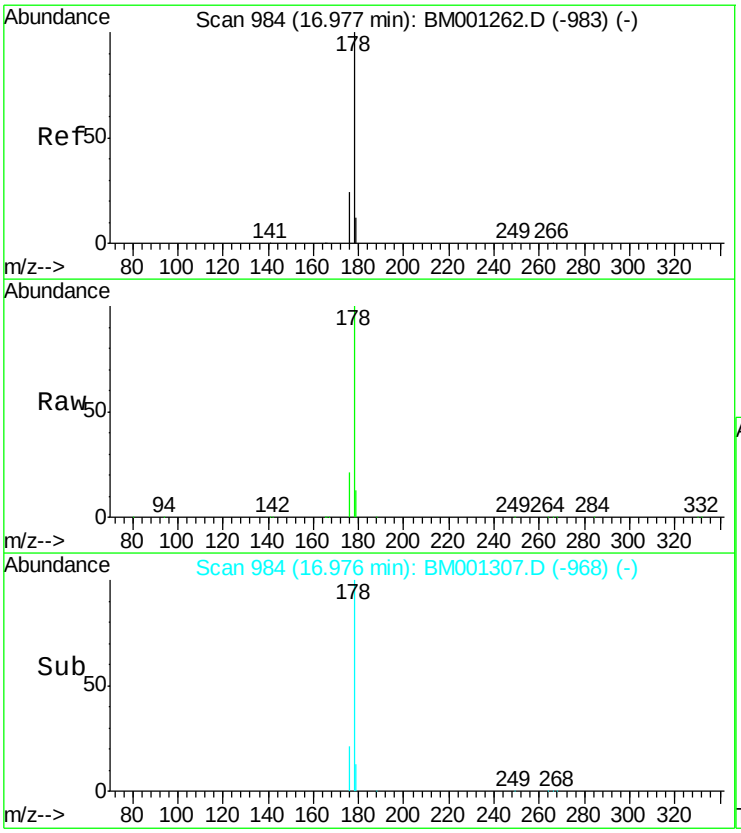
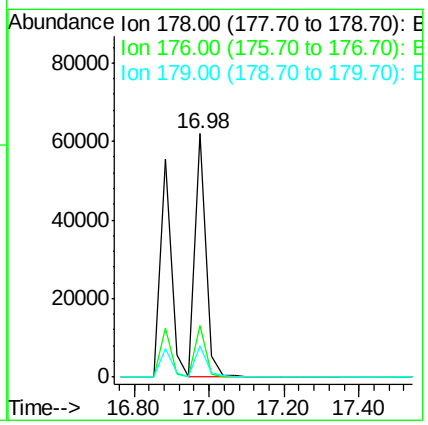
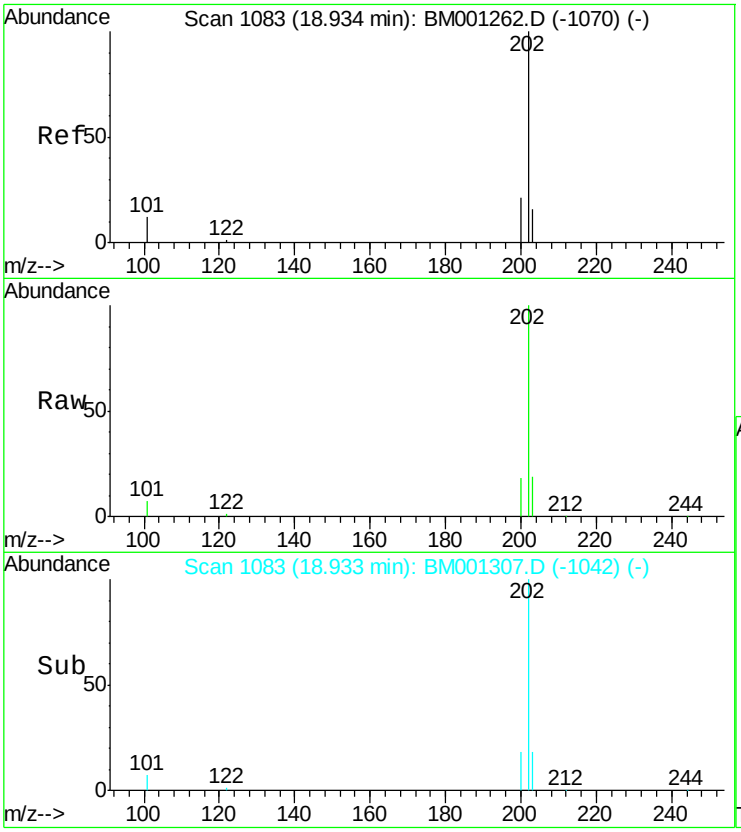


#22
Anthracene
Concen: 10.97 ng
RT: 16.98 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:178 Resp: 125267

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.3	22.9
179	13.8	0.0	0.0#

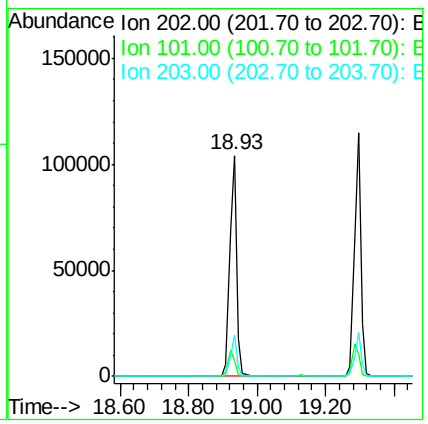




#23
Fluoranthene
Concen: 7.90 ng
RT: 18.93 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:202 Resp: 145301

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.1	13.7
203	17.4	13.8	20.6



Instrument :
BNA_M
ClientSampleId :
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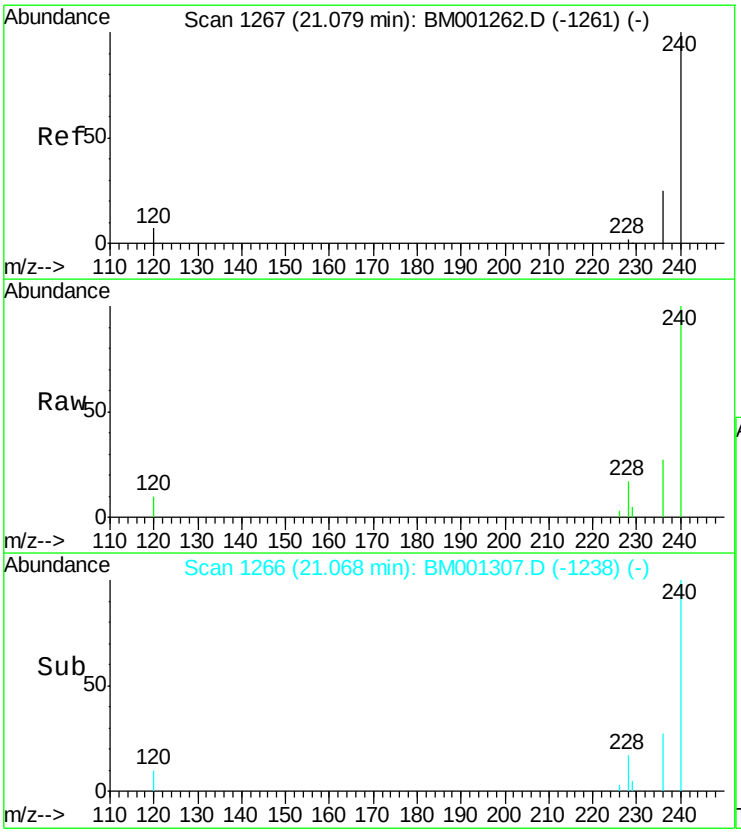
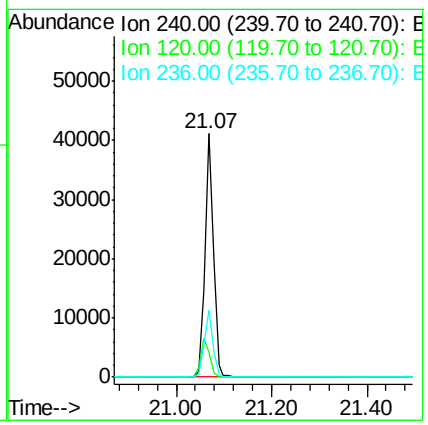
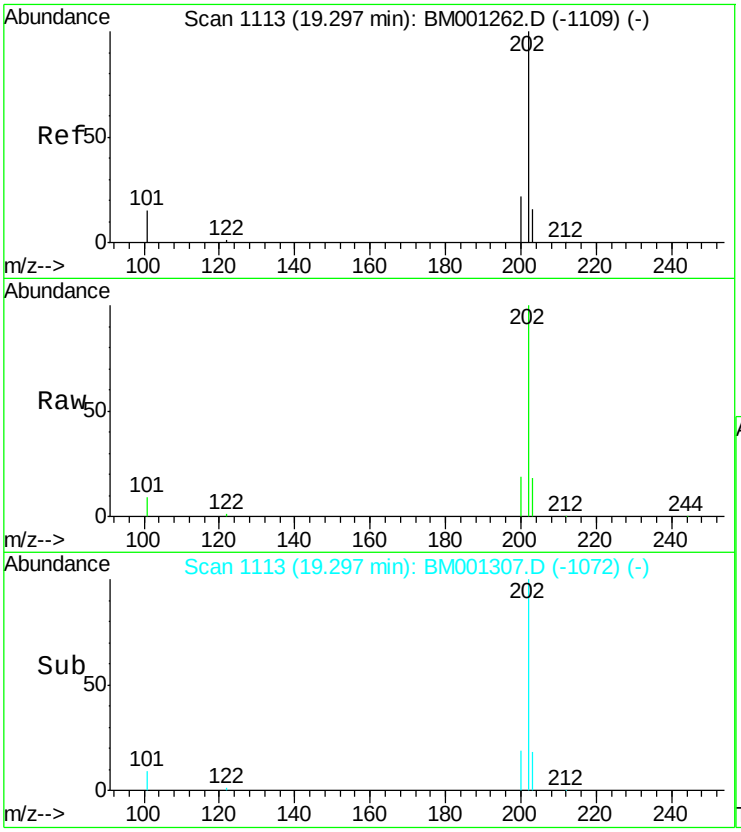


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:240 Resp: 49571

Ion	Ratio	Lower	Upper
240	100		
120	10.3	5.5	8.3#
236	27.5	20.4	30.6

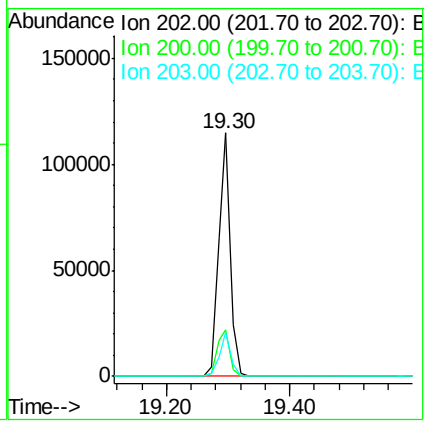




#25
Pyrene
Concen: 10.02 ng
RT: 19.30 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:202 Resp: 153532

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	17.8	13.9	20.9



Instrument :
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ClientSampleId :
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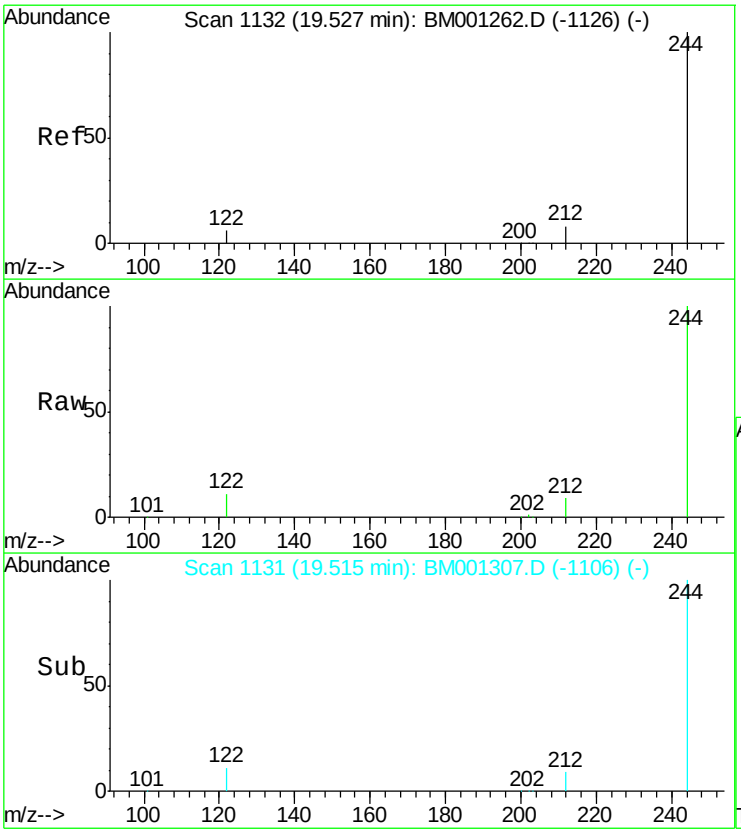
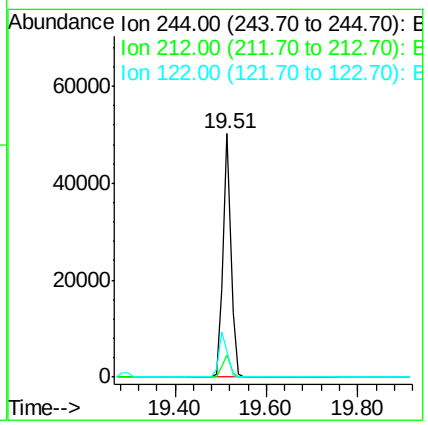
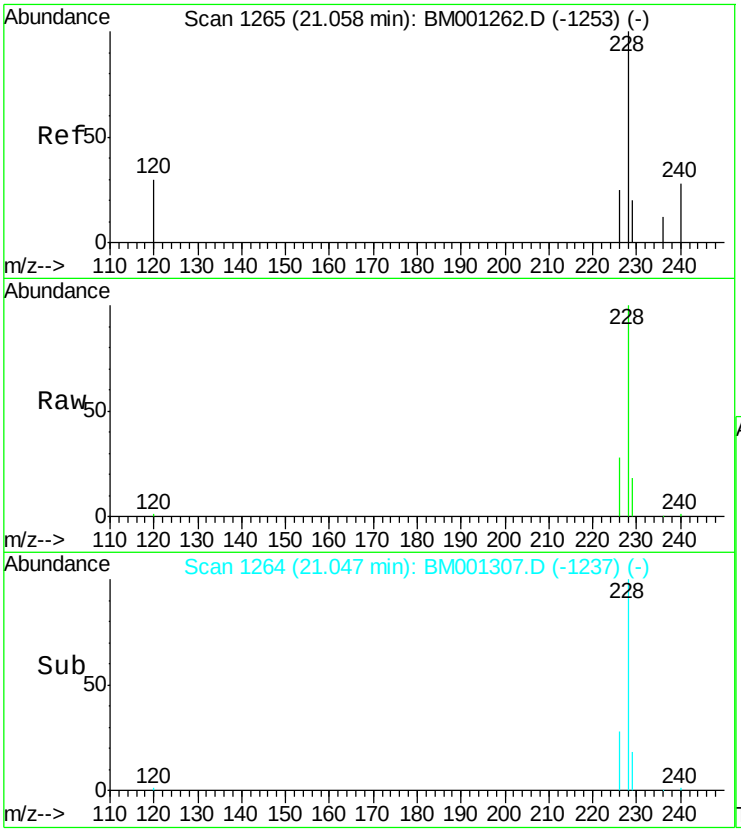


#26
Terphenyl-d14
Concen: 9.05 ng
RT: 19.51 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:244 Resp: 60251

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.2	10.8
122	10.7	5.6	8.4#

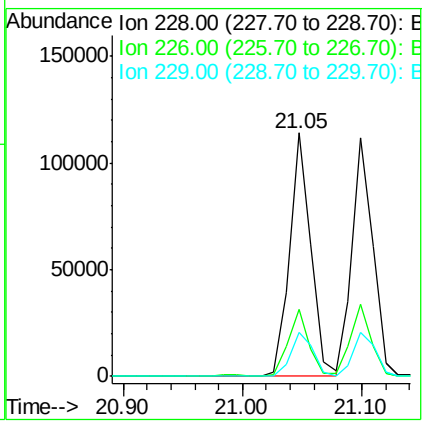




#27
Benzo(a)anthracene
Concen: 10.56 ng
RT: 21.05 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:228 Resp: 142132

Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.5	30.7
229	18.2	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
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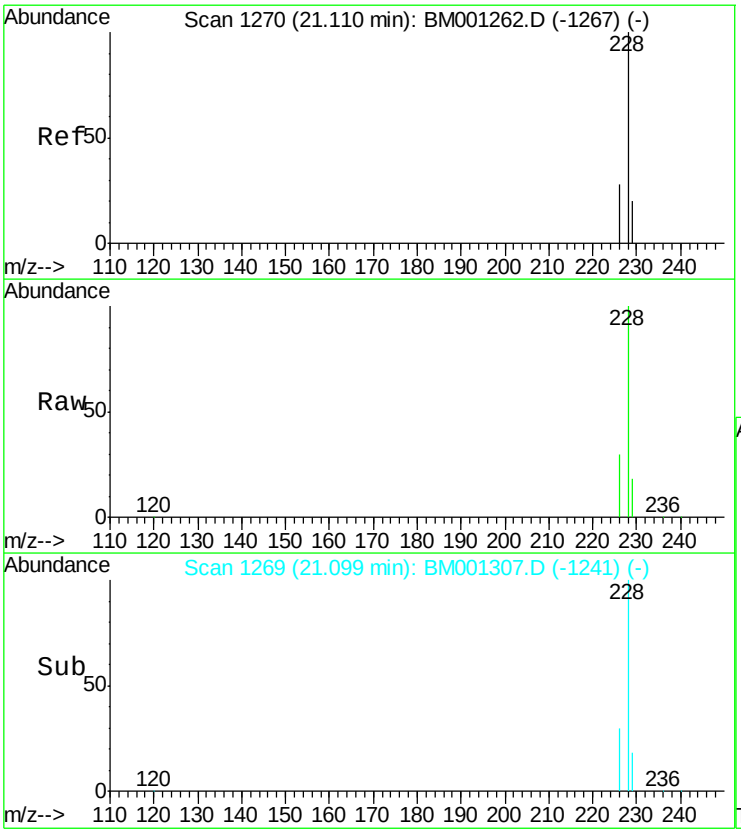
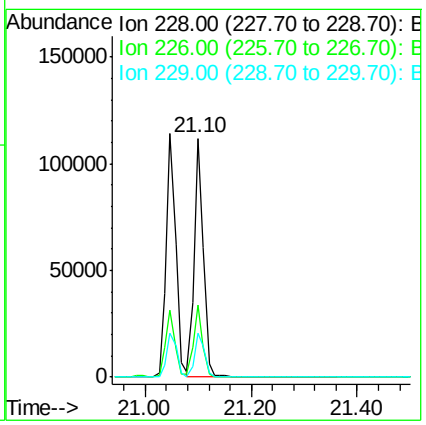
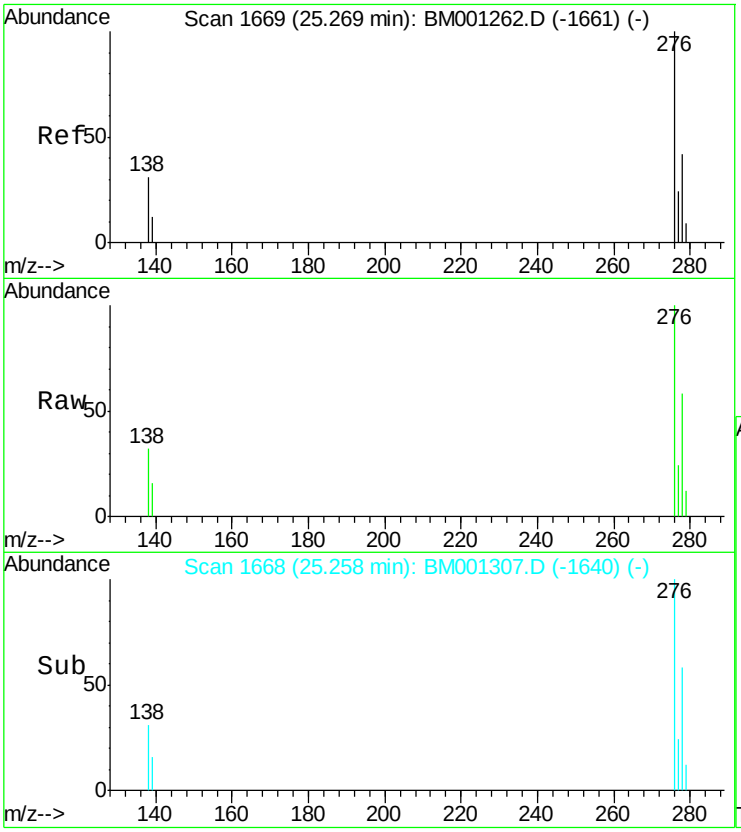


#28
Chrysene
Concen: 9.98 ng
RT: 21.10 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:228 Resp: 136079

Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.2
229	18.4	16.5	24.7

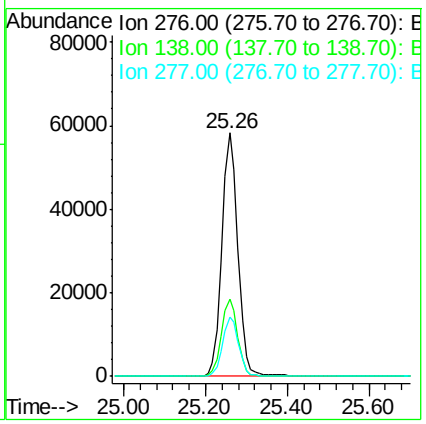




#29
Indeno(1,2,3-cd)pyrene
Concen: 11.41 ng
RT: 25.26 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:276 Resp: 158228

Ion	Ratio	Lower	Upper
276	100		
138	32.2	24.9	37.3
277	24.6	19.5	29.3



Instrument :
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ClientSampleId :
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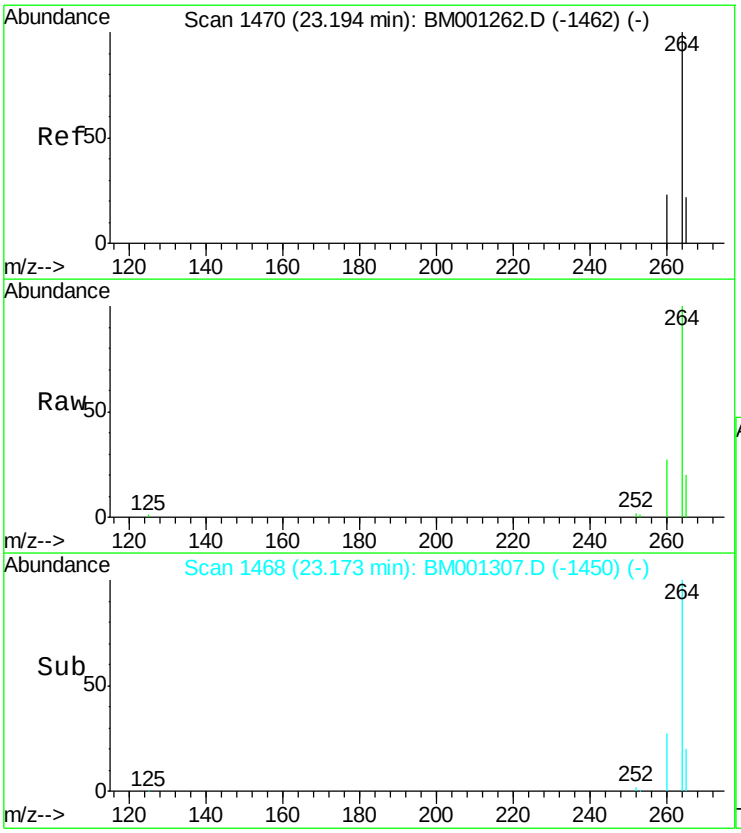
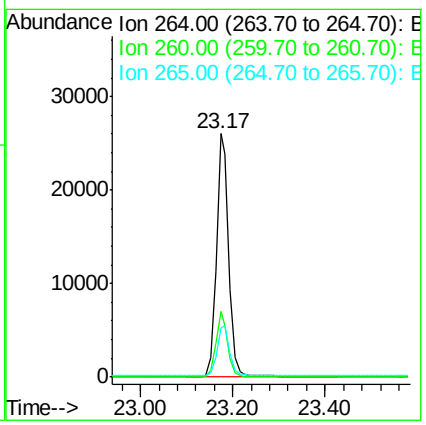
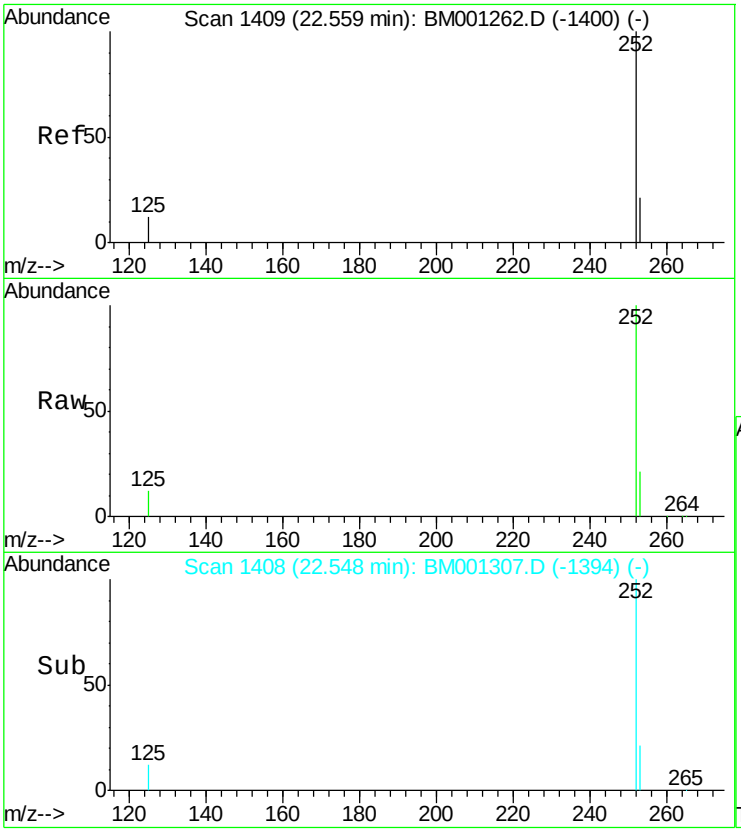


#30
Perylene-d12
Concen: 5.00 ng
RT: 23.17 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:264 Resp: 47815

Ion	Ratio	Lower	Upper
264	100		
260	26.9	18.9	28.3
265	20.4	18.1	27.1

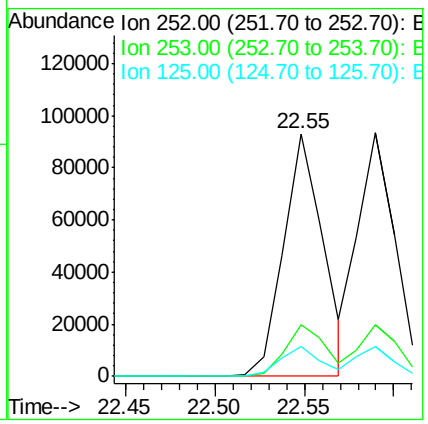




#31
Benzo(b)fluoranthene
Concen: 10.20 ng
RT: 22.55 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:252 Resp: 142983

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	12.2	10.4	15.6



Instrument :
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ClientSampleId :
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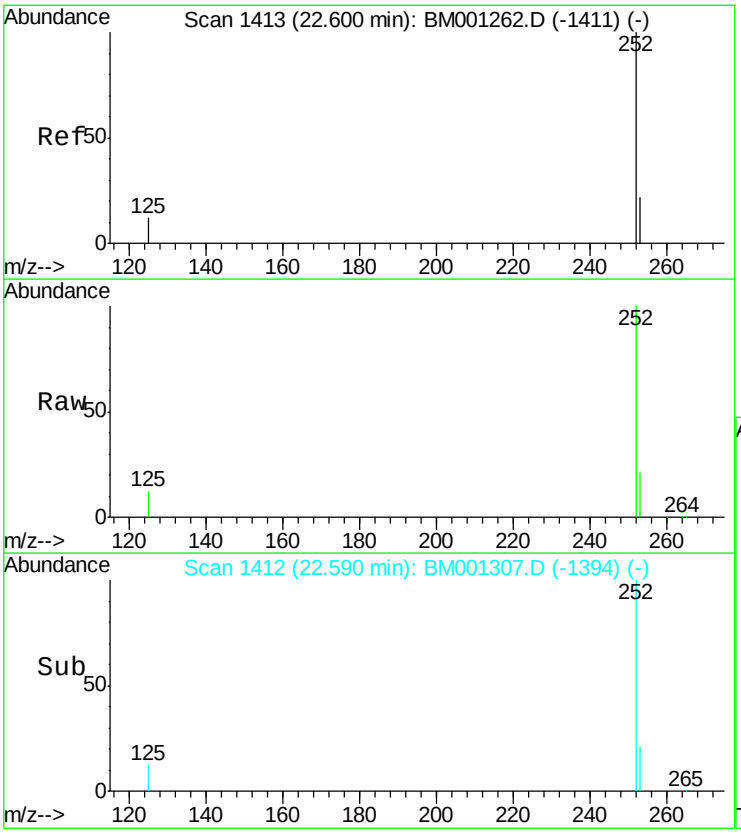
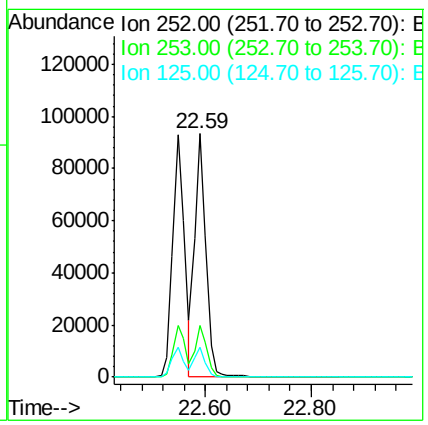
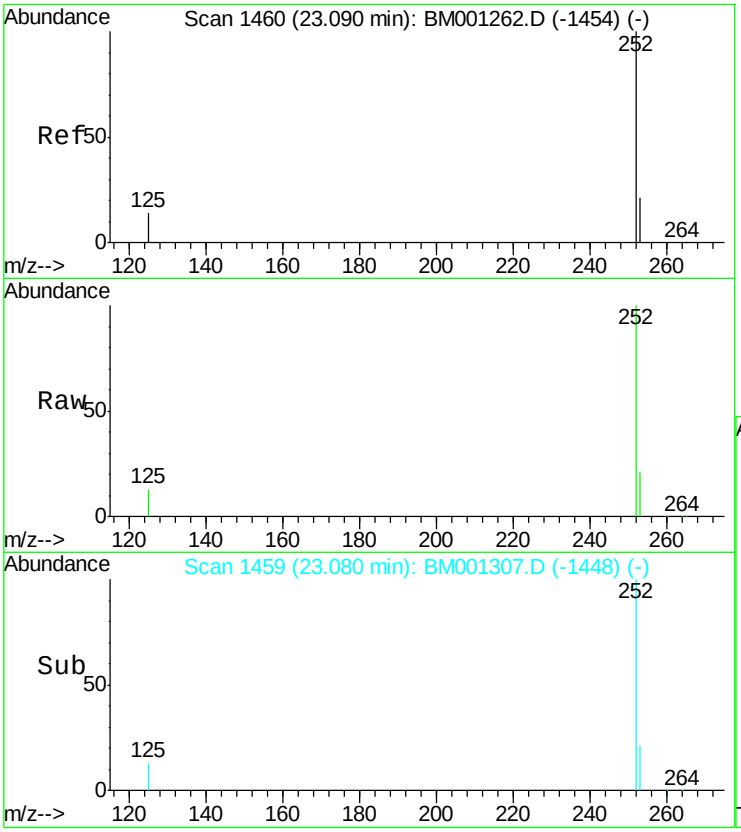


#32
Benzo(k)fluoranthene
Concen: 10.23 ng
RT: 22.59 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:252 Resp: 136389

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.6	27.8
125	12.1	10.2	15.4

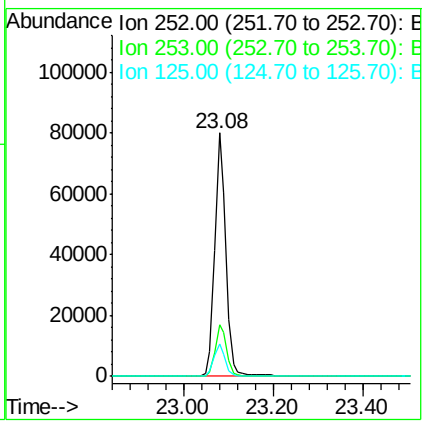




#33
Benzo(a)pyrene
Concen: 11.23 ng
RT: 23.08 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:252 Resp: 136290

Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.3	27.5
125	13.4	12.2	18.2



Instrument :
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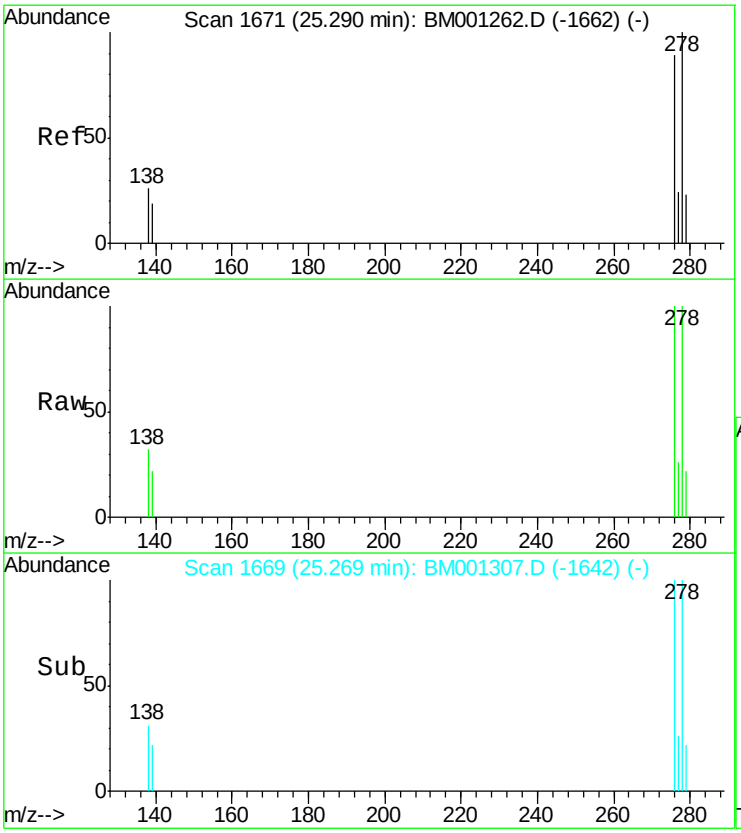
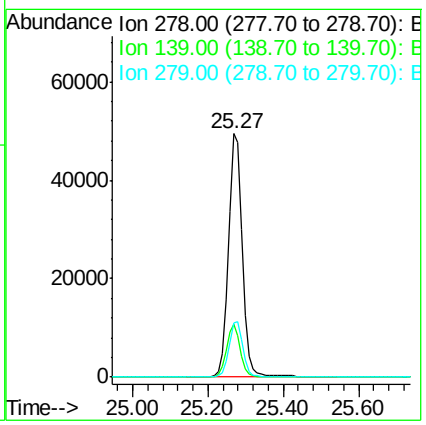
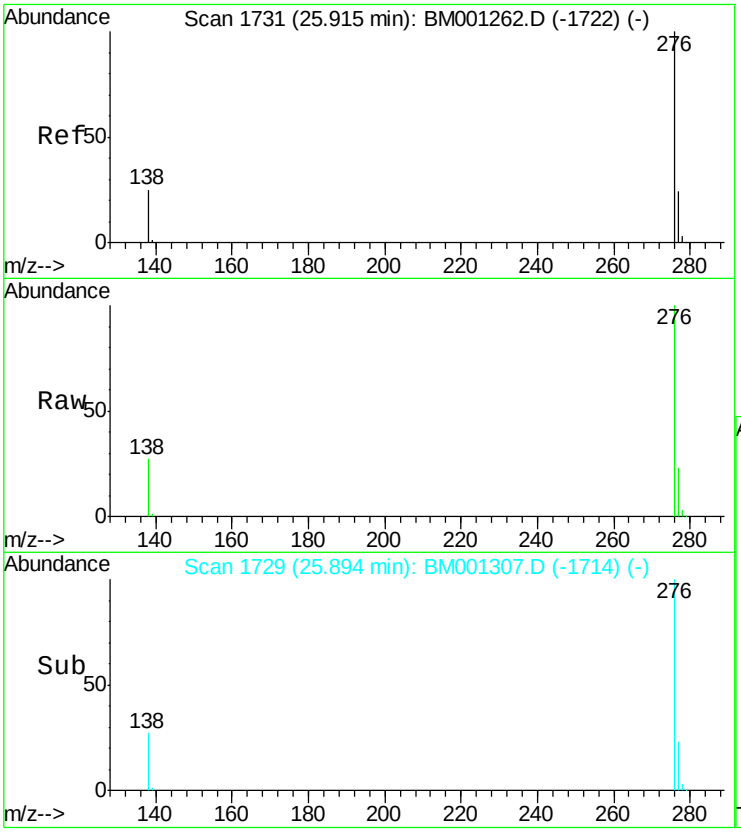


#34
Dibenzo(a,h)anthracene
Concen: 11.26 ng
RT: 25.27 min Scan# 1669
Delta R.T. -0.02 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:278 Resp: 128479

Ion	Ratio	Lower	Upper
278	100		
139	21.9	16.6	24.8
279	22.5	20.0	30.0

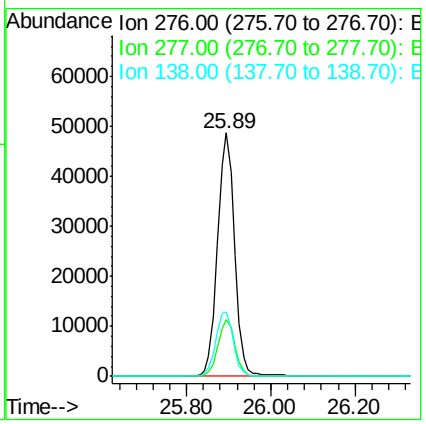




#35
Benzo(g,h,i)perylene
Concen: 10.83 ng
RT: 25.89 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BM001307.D
Acq: 15 May 2015 00:21

Tgt Ion:276 Resp: 135602

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.9	29.9
138	26.7	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
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