Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022519\
Data File : BM018921.D
Acq On : 25 Feb 2019 19:48
Operator : JU/SJ
Sample : K1348-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-B

Manual Integrations APPROVED
Sohil
2/26/2019 12:06:09 PM

Quant Time: Feb 26 00:13:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 11 16:02:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	188804	20.00	ng	-0.02
21) Naphthalene-d8	10.48	136	757995	20.00	ng	-0.02
39) Acenaphthene-d10	14.35	164	417980	20.00	ng	-0.02
64) Phenanthrene-d10	17.10	188	938090	20.00	ng	-0.02
76) Chrysene-d12	21.29	240	1006351	20.00	ng	-0.02
87) Perylene-d12	23.54	264	1104014	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	541765	47.02	ng	-0.02
7) Phenol-d6	6.86	99	746352	45.98	ng	-0.02
23) Nitrobenzene-d5	8.86	82	470181	28.68	ng	-0.03
42) 2,4,6-Tribromophenol	15.84	330	246411	40.90	ng	-0.02
45) 2-Fluorobiphenyl	12.96	172	836962	26.58	ng	-0.02
79) Terphenyl-d14	19.73	244	1200116	24.60	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.53	128	183238	4.957	ng	99
37) 2-Methylnaphthalene	12.15	142	57367	2.204	ng	98
52) Acenaphthene	14.41	154	105608	4.162	ng	98
55) Dibenzofuran	14.75	168	126035	3.022	ng	100
58) Fluorene	15.40	166	205008	6.426	ng	99
71) Phenanthrene	17.14	178	1601435	31.765	ng	99
72) Anthracene	17.23	178	376770	7.678	ng	99
73) Carbazole	17.51	167	107643	2.100	ng	99
75) Fluoranthene	19.16	202	1781868	30.598	ng	99
78) Pyrene	19.53	202	1421986	24.329	ng	100
81) Benzo(a)anthracene	21.27	228	738184	12.584	ng	99
83) Chrysene	21.33	228	579619	10.309	ng	97
86) Indeno(1,2,3-cd)pyrene	25.82	276	370195	5.703	ng	95
88) Benzo(b)fluoranthene	22.86	252	790867m	12.521	ng	
89) Benzo(k)fluoranthene	22.90	252	300261m	4.775	ng	
90) Benzo(a)pyrene	23.44	252	595661	9.955	ng	95
92) Benzo(g,h,i)perylene	26.52	276	331043	5.998	ng	98

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

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Manual Integrations APPROVED
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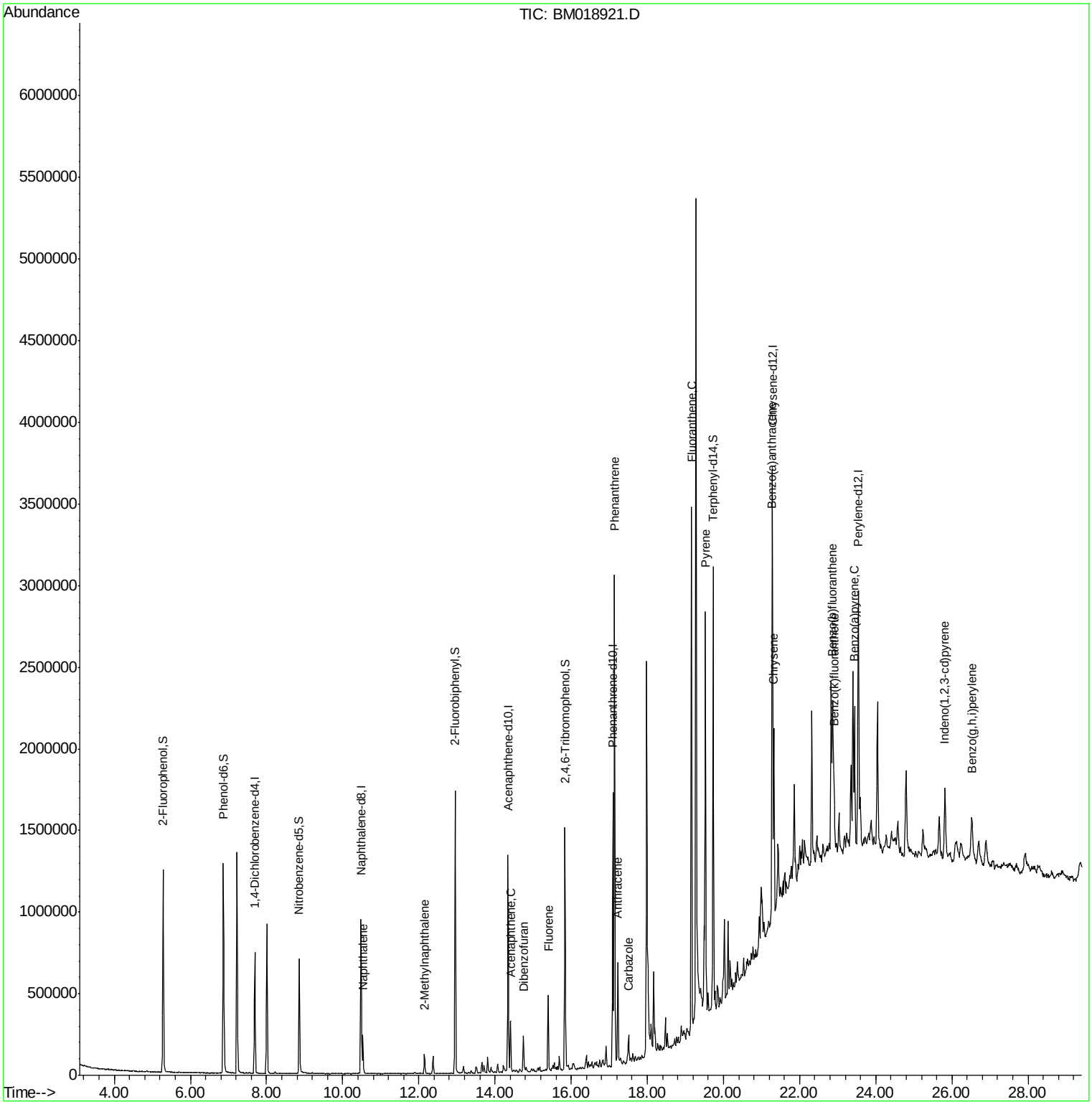
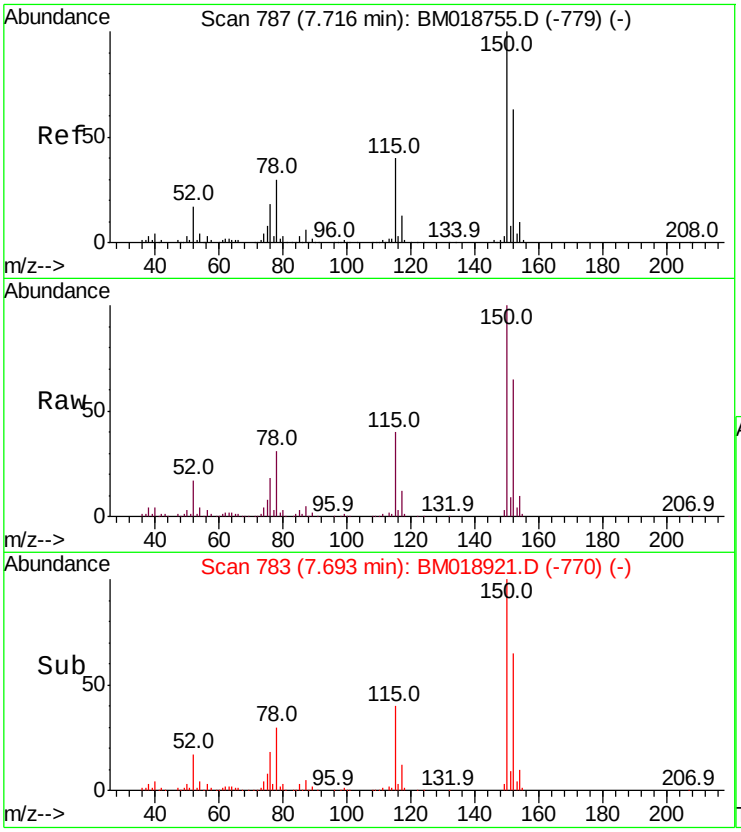
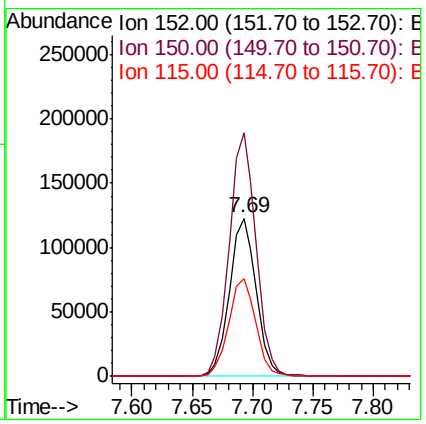




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 783
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:152 Resp: 188804

Ion	Ratio	Lower	Upper
152	100		
150	154.0	127.3	190.9
115	61.4	50.8	76.2



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ClientSampleId :
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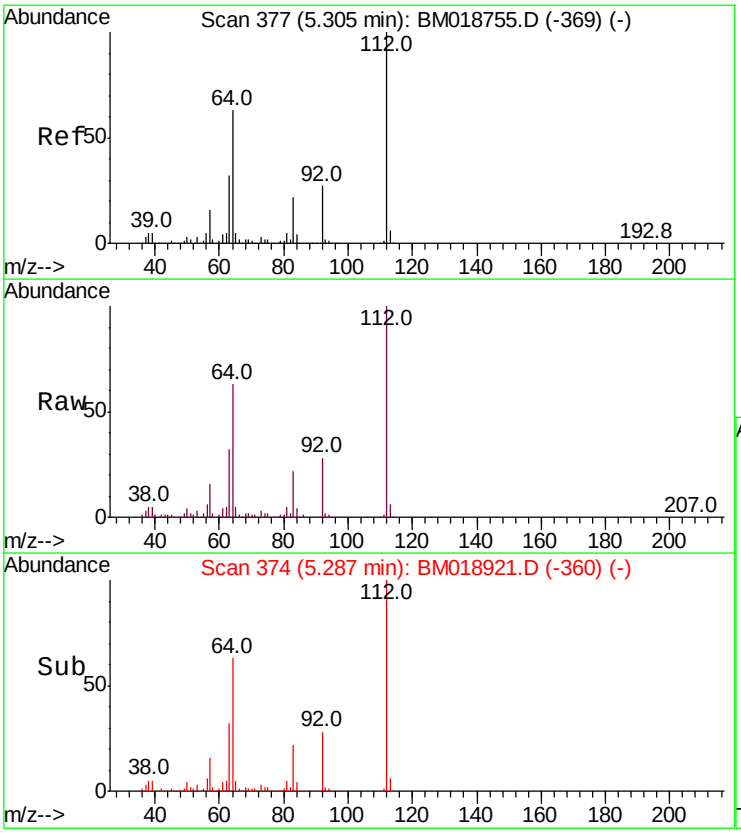
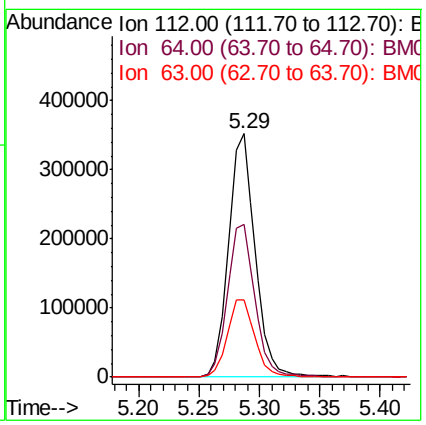
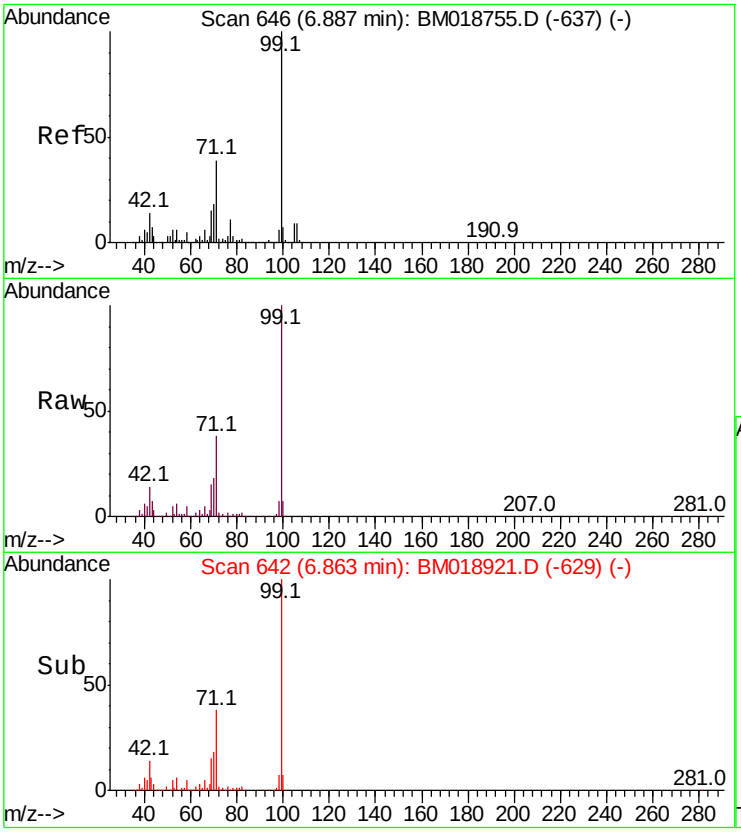


#5
2-Fluorophenol
Concen: 47.015 ng
RT: 5.29 min Scan# 374
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:112 Resp: 541765

Ion	Ratio	Lower	Upper
112	100		
64	62.8	50.6	75.8
63	32.0	25.7	38.5





#7
Phenol-d6
Concen: 45.977 ng
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion: 99 Resp: 746352

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.0	16.6
71	38.5	31.3	46.9

Instrument :
BNA_M
ClientSampleId :
OK-03-022219-B

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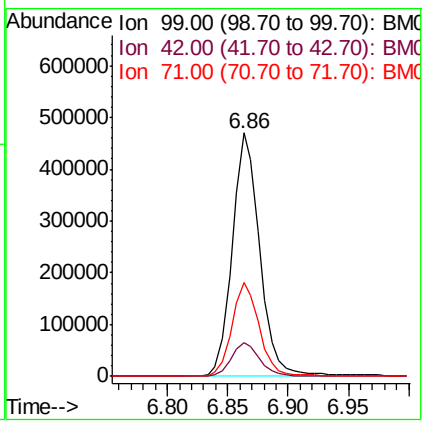
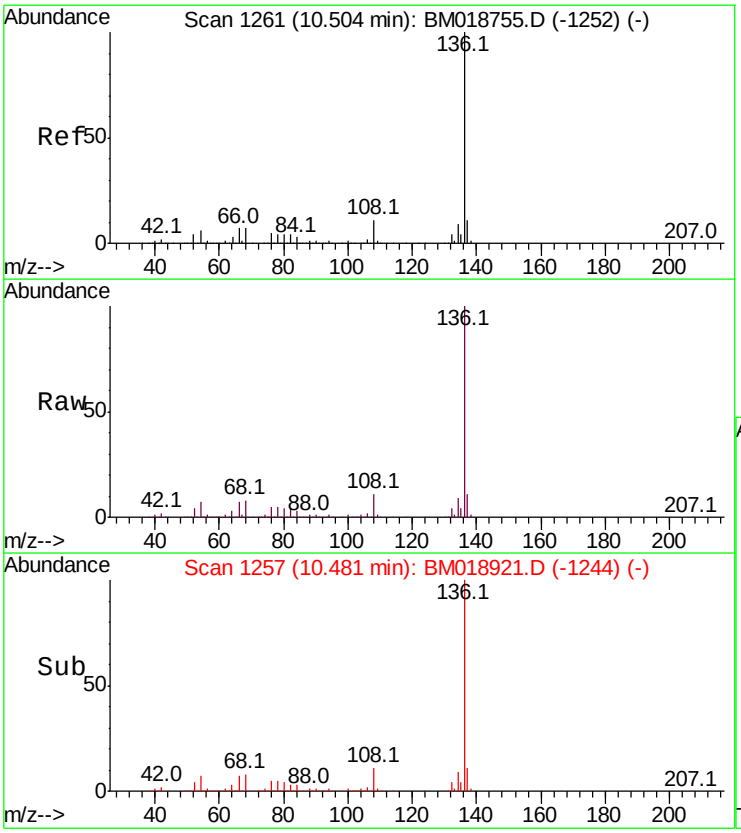
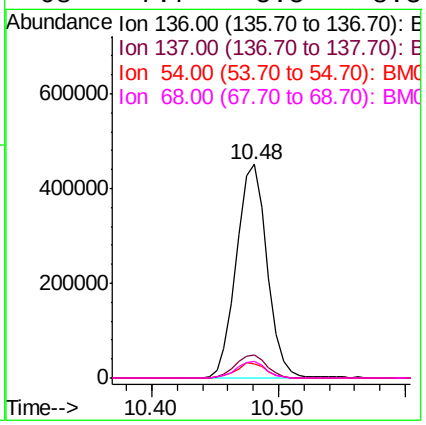


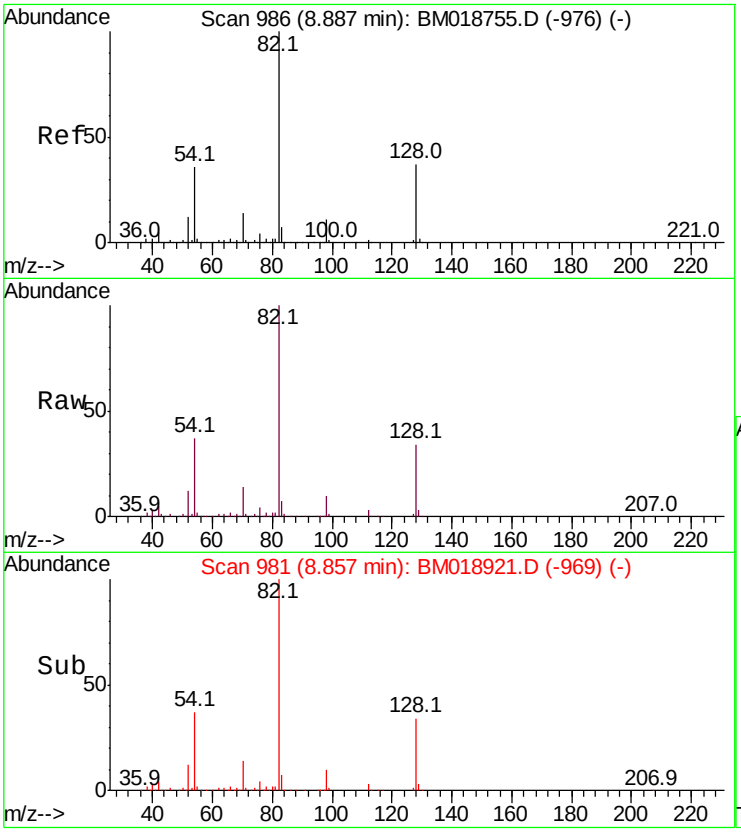


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:136 Resp: 757995

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.9	5.0	7.6
68	7.7	5.5	8.3

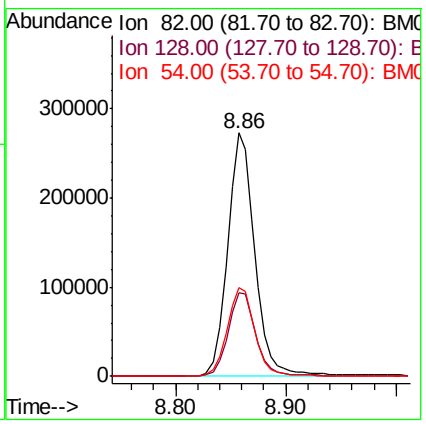




#23
Nitrobenzene-d5
Concen: 28.682 ng
RT: 8.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion: 82 Resp: 470181

Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.9	44.9
54	36.7	29.1	43.7



Instrument :
BNA_M
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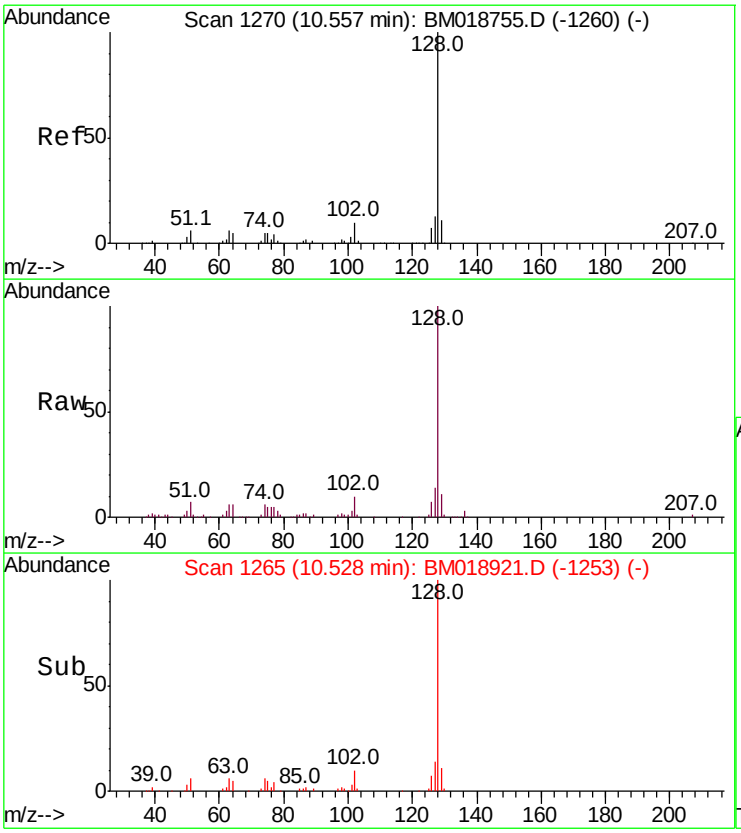
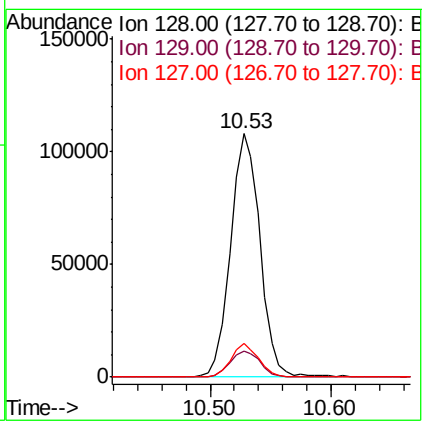
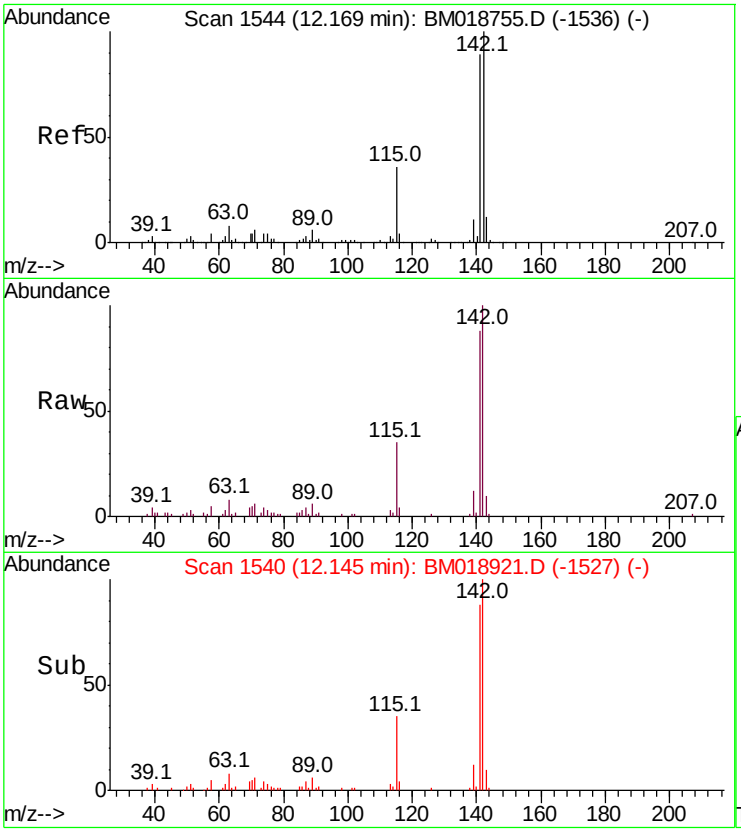


#31
Naphthalene
Concen: 4.957 ng
RT: 10.53 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:128 Resp: 183238

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	13.9	10.7	16.1

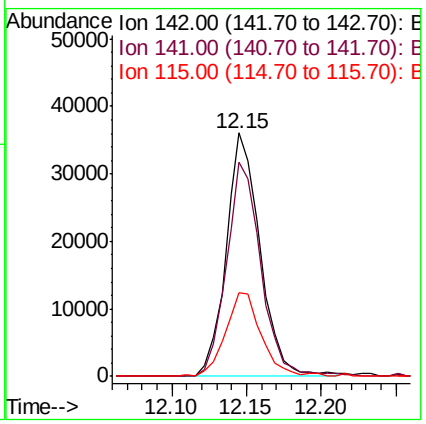




#37
2-Methylnaphthalene
Concen: 2.204 ng
RT: 12.15 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:142 Resp: 57367

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.2	106.8
115	34.6	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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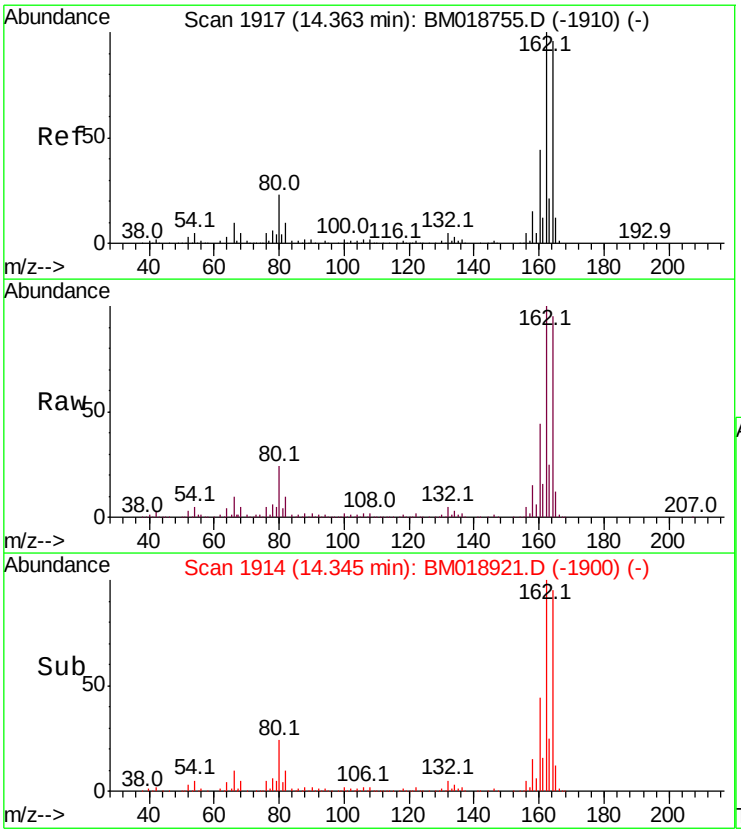
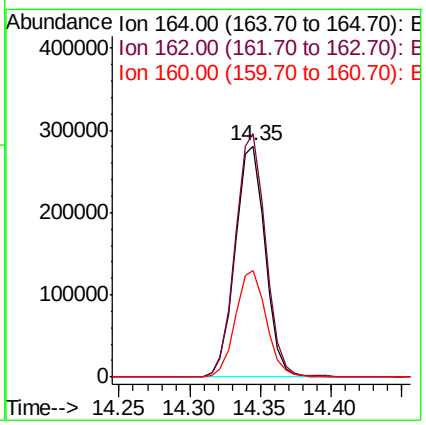
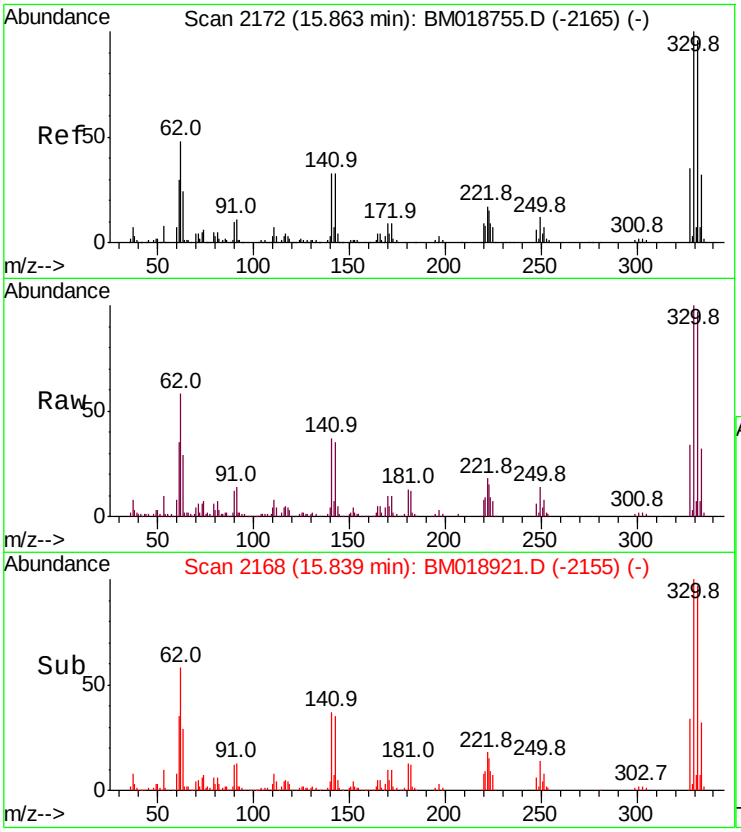


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.35 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:164 Resp: 417980

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.4	125.0
160	46.1	36.6	55.0

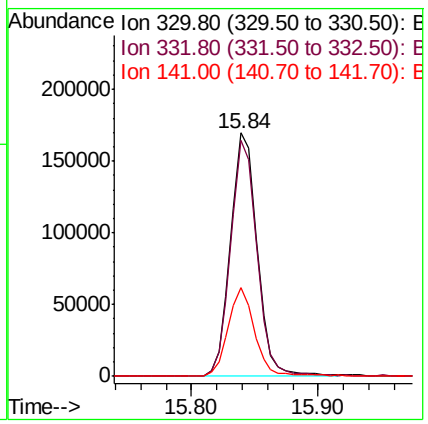




#42
2,4,6-Tribromophenol
Concen: 40.898 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:330 Resp: 246411

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	36.6	28.7	43.1



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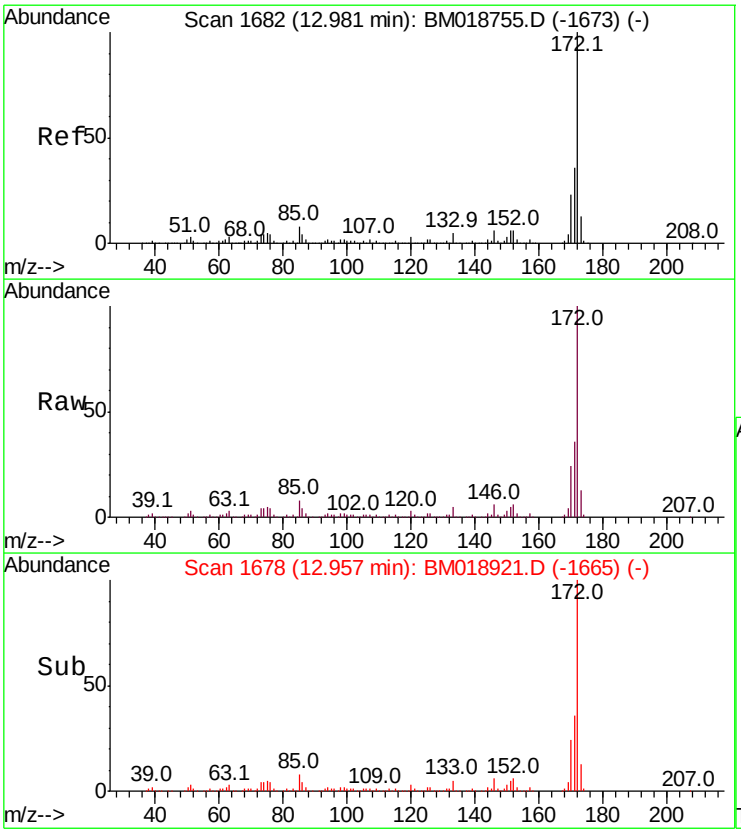
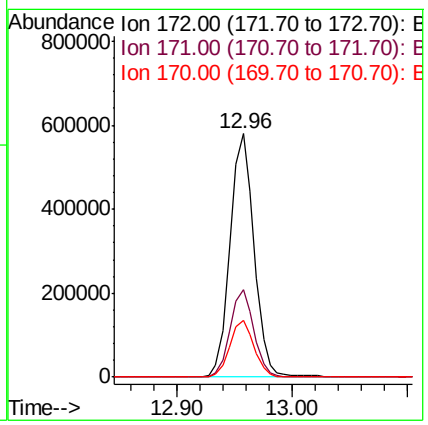
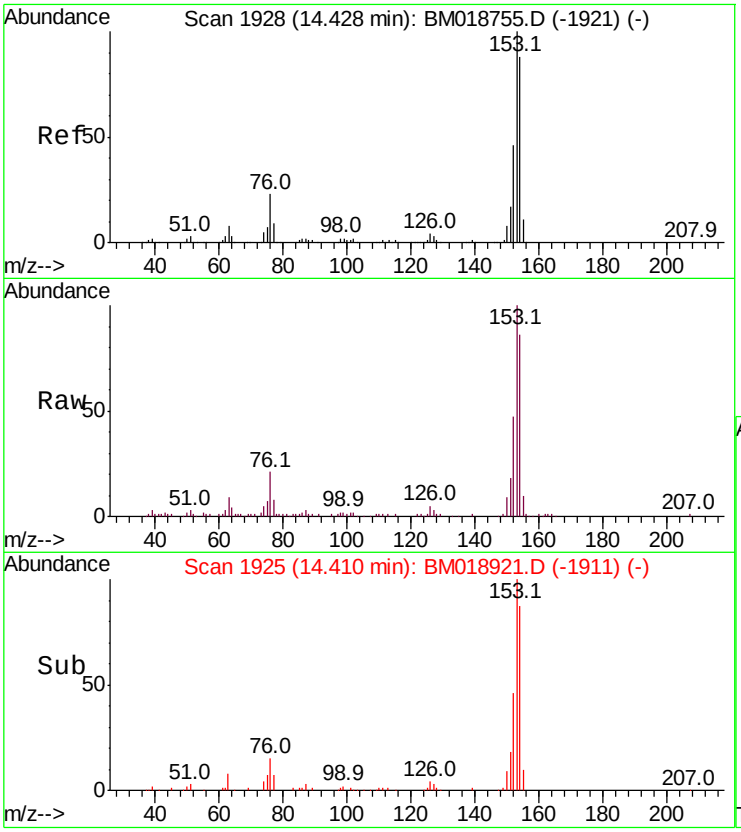


#45
2-Fluorobiphenyl
Concen: 26.581 ng
RT: 12.96 min Scan# 1678
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:172 Resp: 836962

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	23.5	18.6	28.0

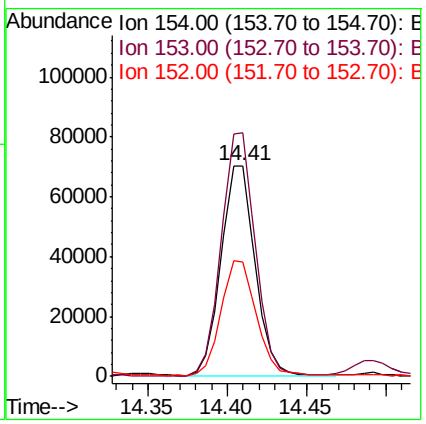




#52
Acenaphthene
Concen: 4.162 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:154 Resp: 105608

Ion	Ratio	Lower	Upper
154	100		
153	115.7	91.3	136.9
152	54.2	42.2	63.4



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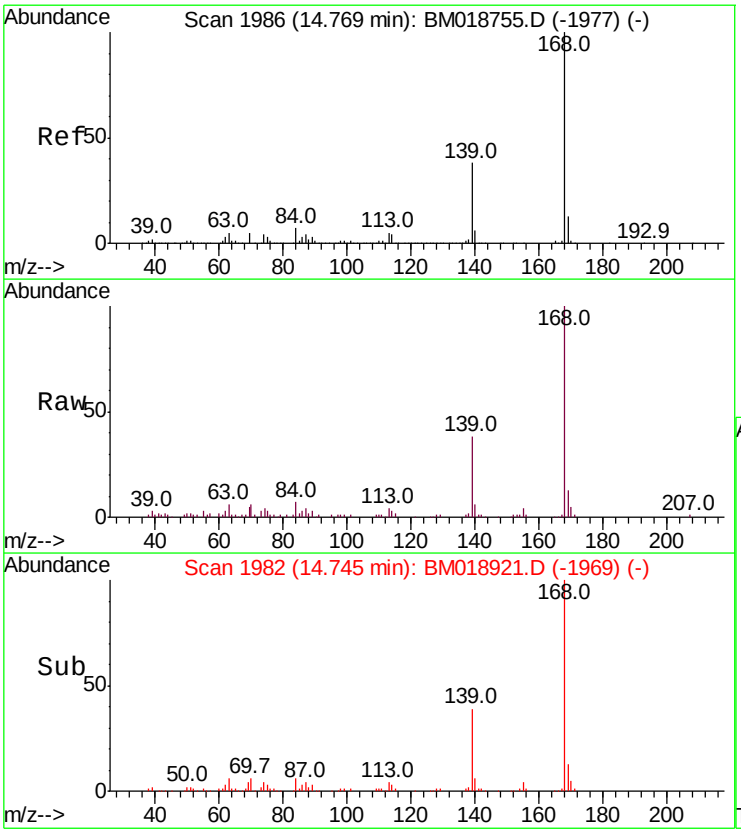
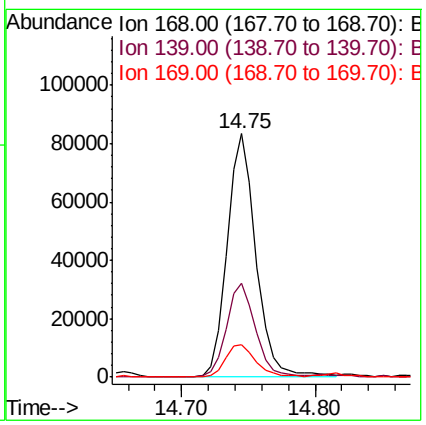
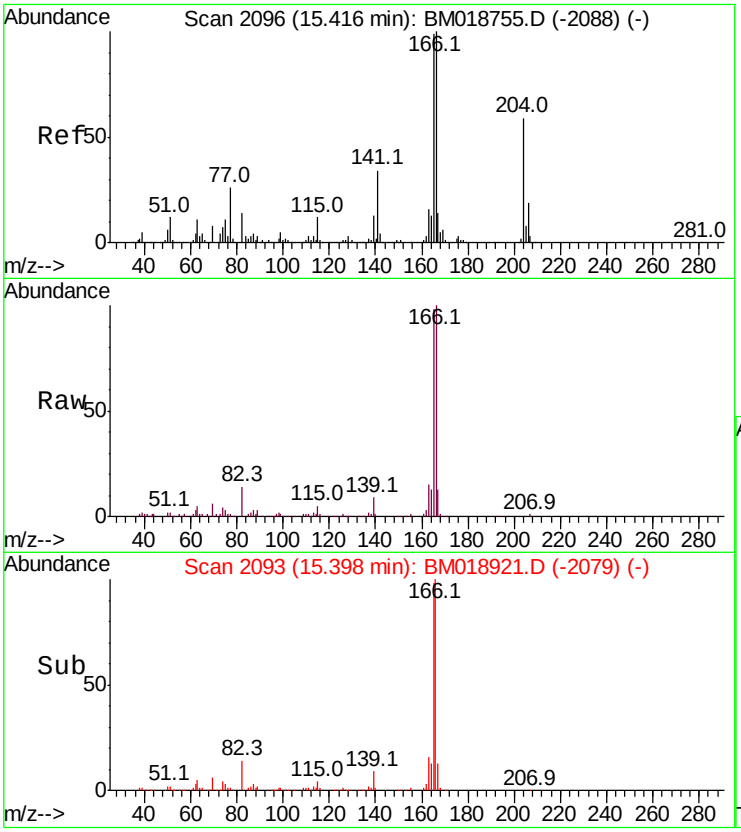


#55
Dibenzofuran
Concen: 3.022 ng
RT: 14.75 min Scan# 1982
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:168 Resp: 126035

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.7	46.1
169	13.1	10.3	15.5

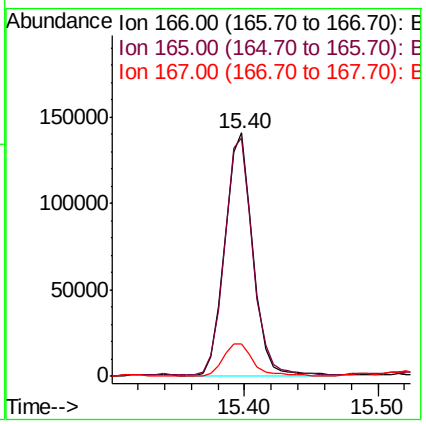




#58
Fluorene
Concen: 6.426 ng
RT: 15.40 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:166 Resp: 205008

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.1	118.7
167	13.3	11.0	16.4



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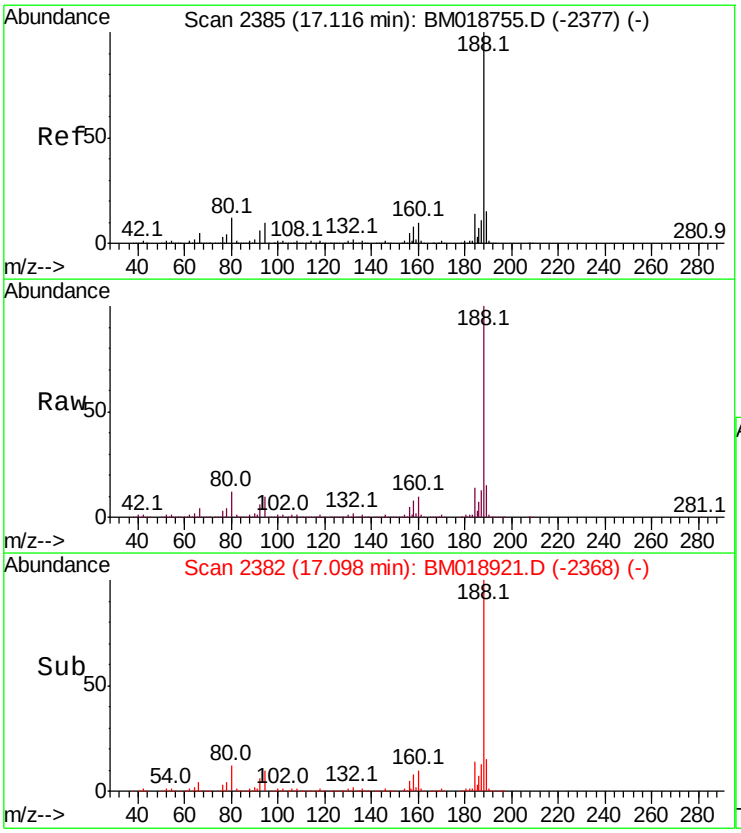
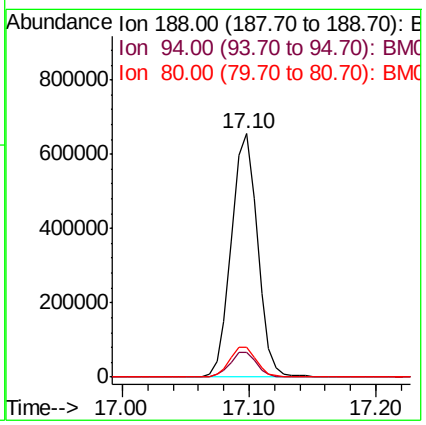
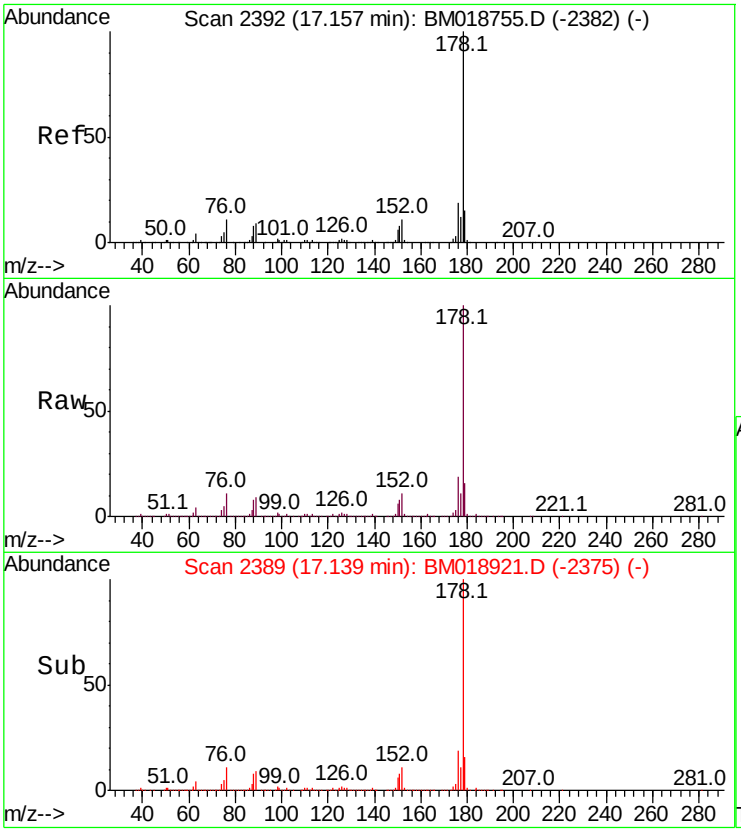


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2382
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:188 Resp: 938090

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	12.1	9.7	14.5

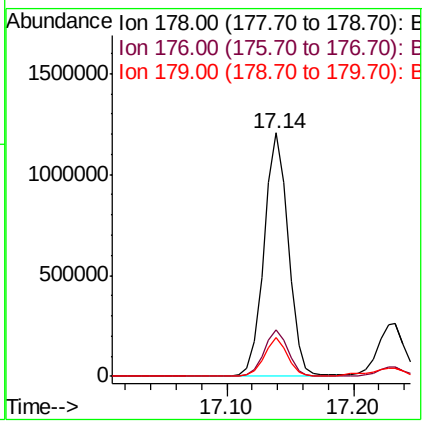




#71
Phenanthrene
Concen: 31.765 ng
RT: 17.14 min Scan# 2389
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:178 Resp: 1601435

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.7	12.3	18.5



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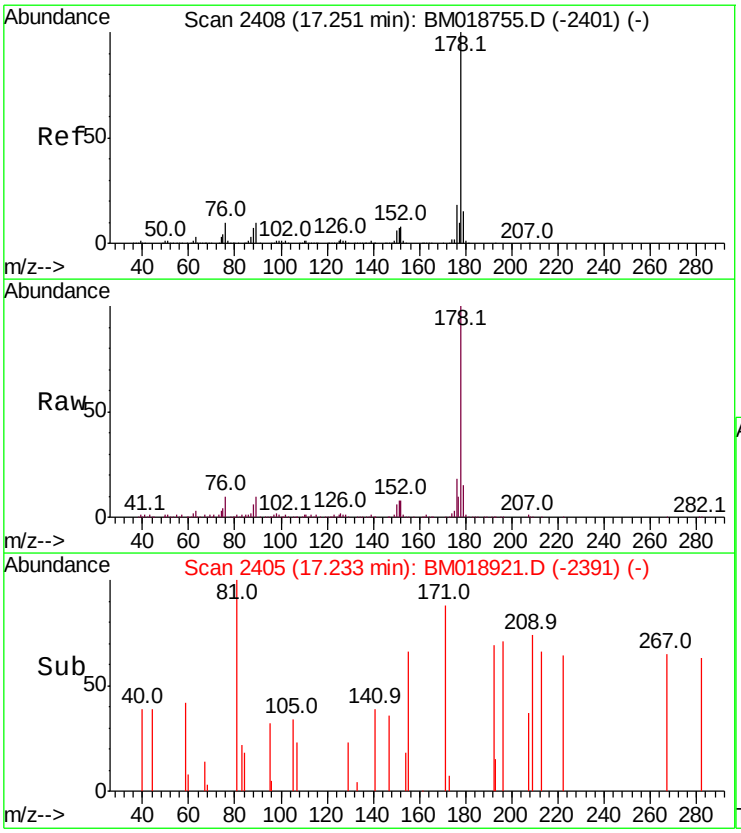
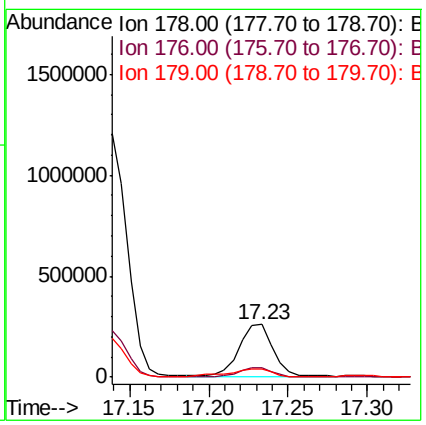
2/26/2019 12:06:09 PM

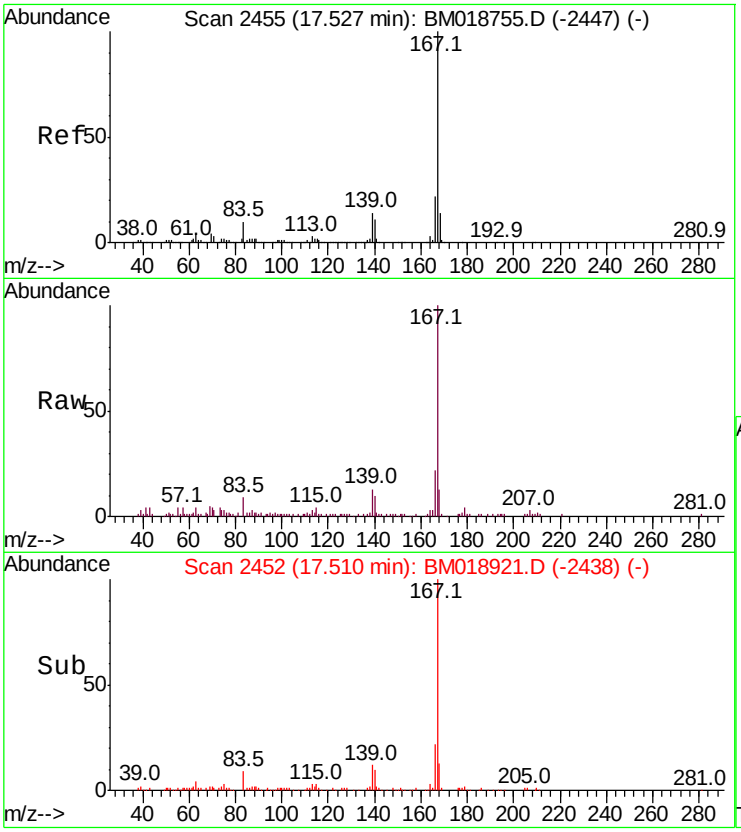


#72
Anthracene
Concen: 7.678 ng
RT: 17.23 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:178 Resp: 376770

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.0	12.1	18.1

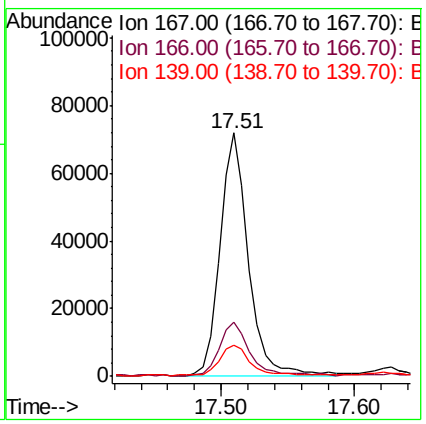




#73
Carbazole
Concen: 2.100 ng
RT: 17.51 min Scan# 2452
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:167 Resp: 107643

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	12.8	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
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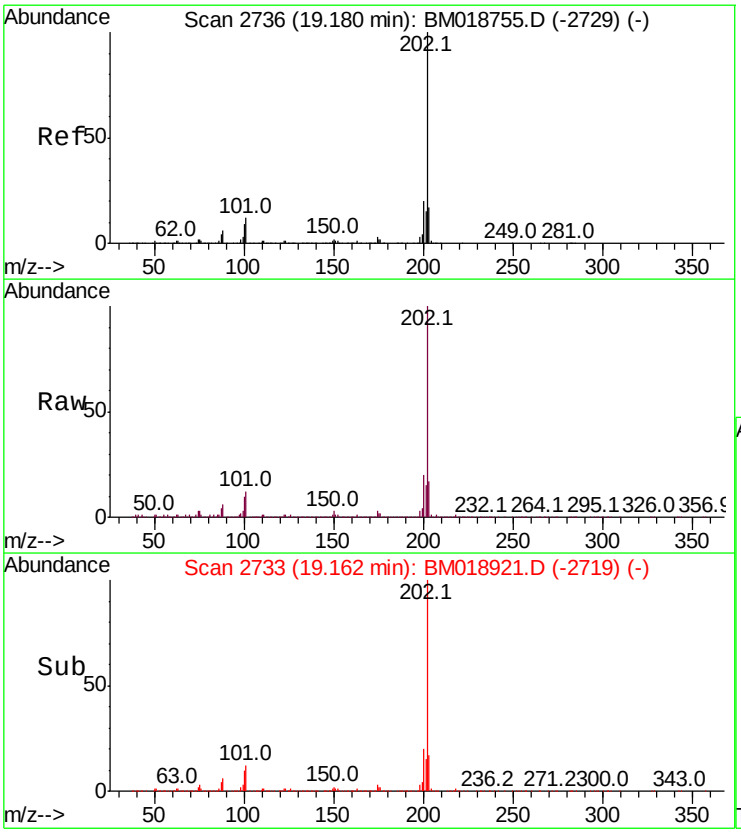
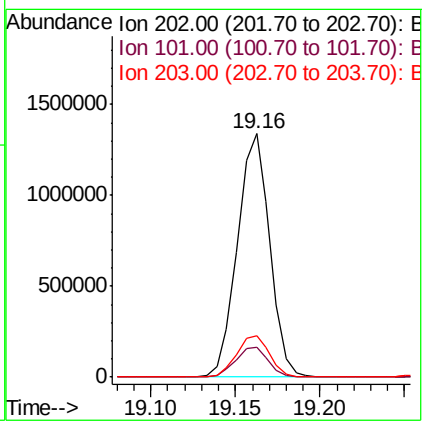
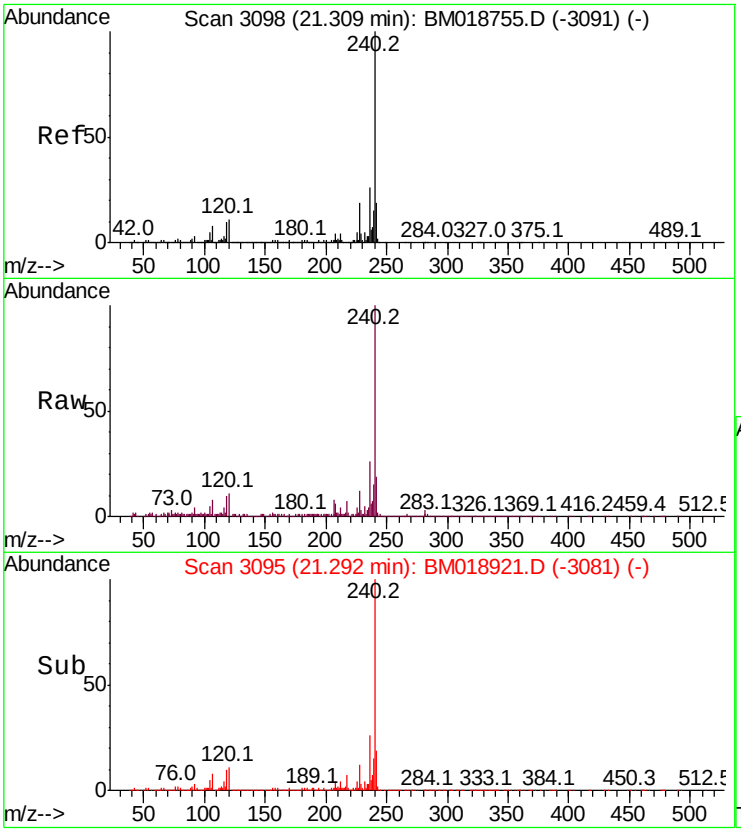


#75
Fluoranthene
Concen: 30.598 ng
RT: 19.16 min Scan# 2733
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:202 Resp: 1781868

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.2	0.0	37.3

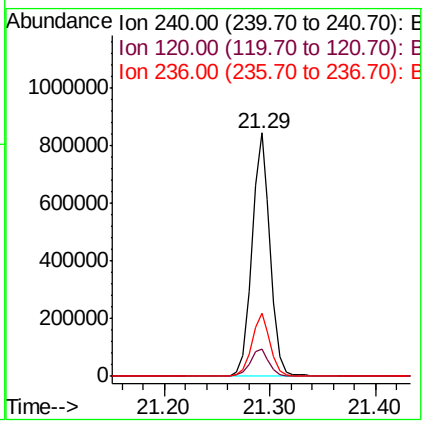




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.29 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:240 Resp: 1006351

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.8	20.9	31.3



Instrument :
BNA_M
ClientSampleId :
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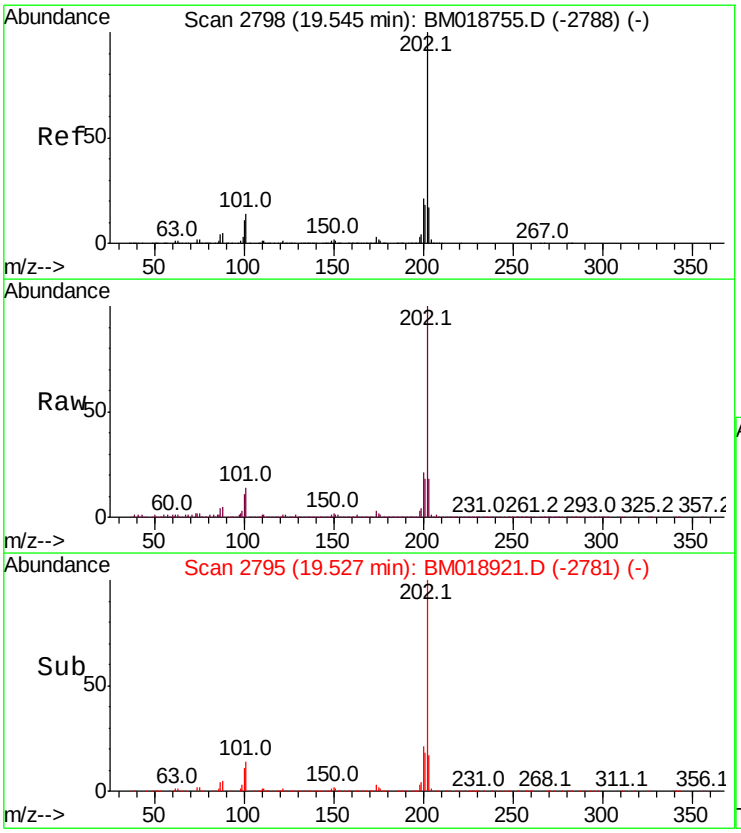
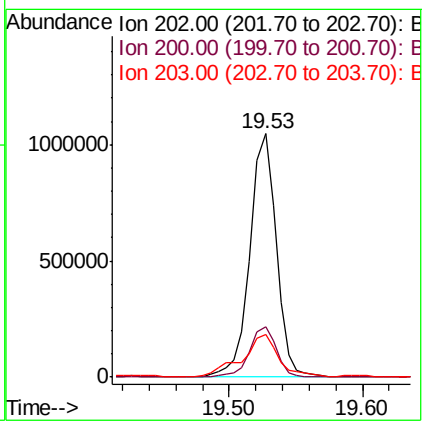
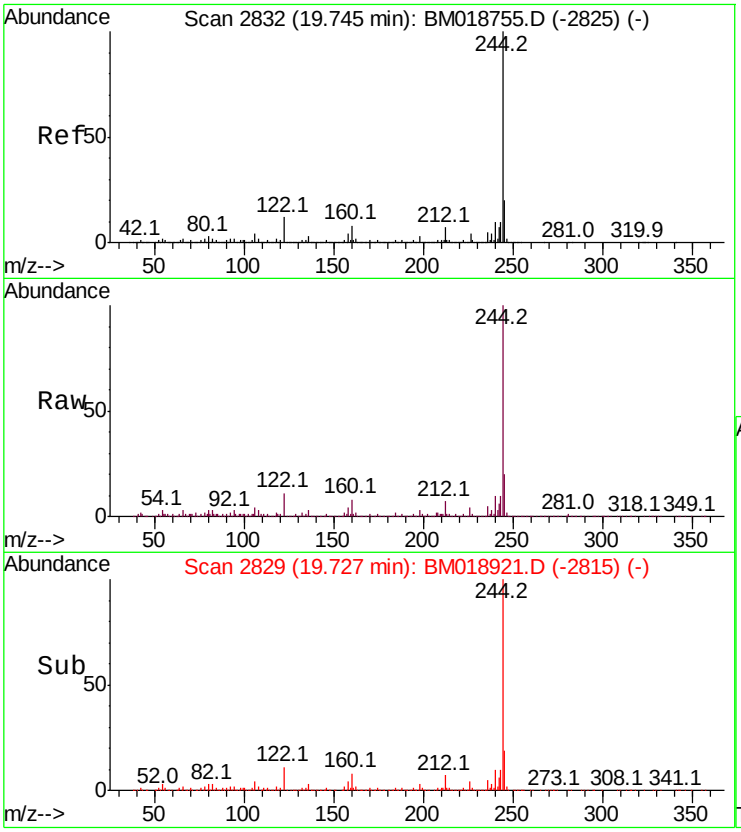


#78
Pyrene
Concen: 24.329 ng
RT: 19.53 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:202 Resp: 1421986

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.5	13.8	20.8

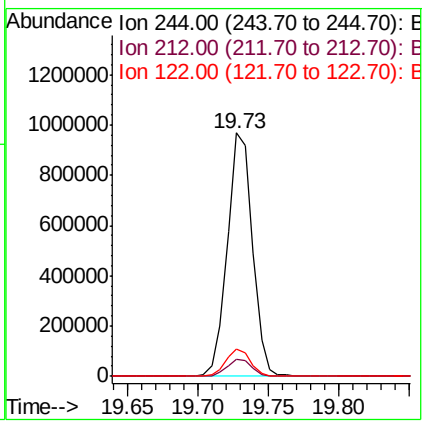




#79
Terphenyl-d14
Concen: 24.601 ng
RT: 19.73 min Scan# 2829
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:244 Resp: 1200116

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.4	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
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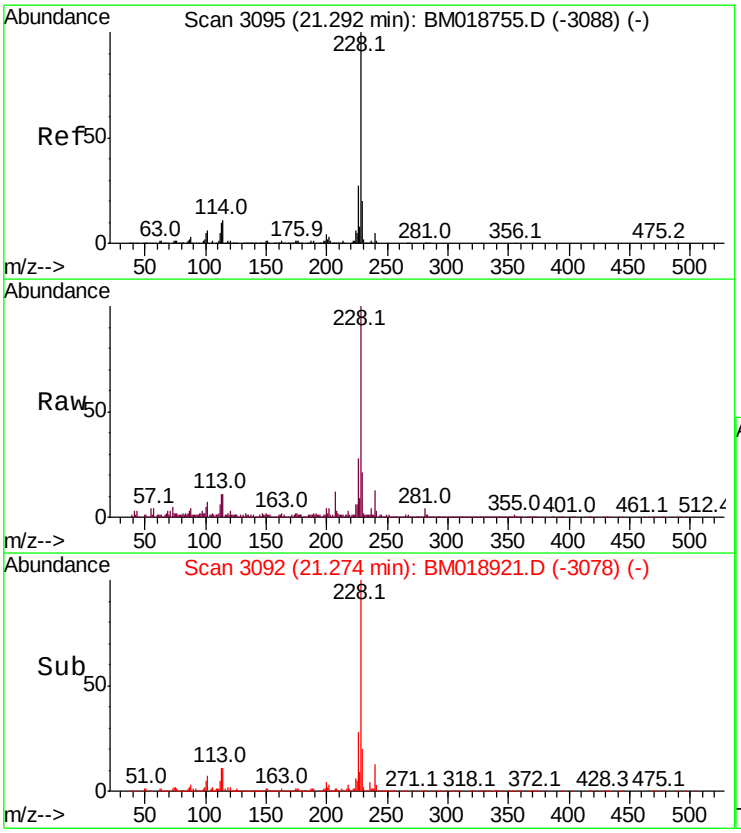
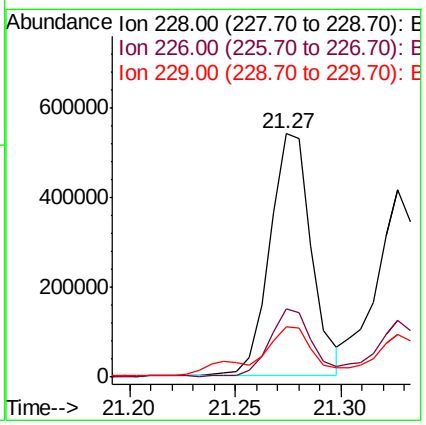
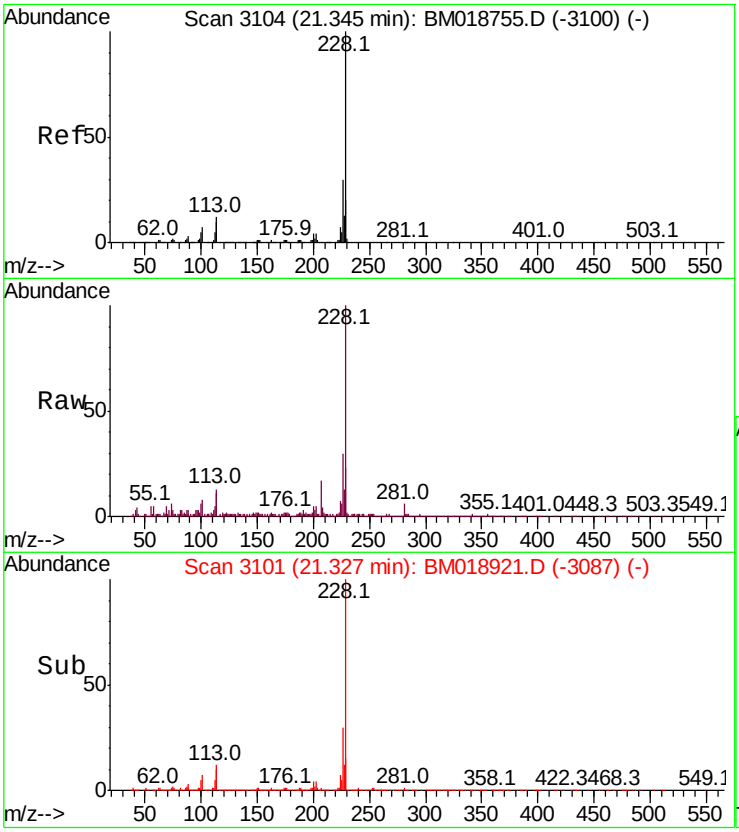


#81
Benzo(a)anthracene
Concen: 12.584 ng
RT: 21.27 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:228 Resp: 738184

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.9	23.9

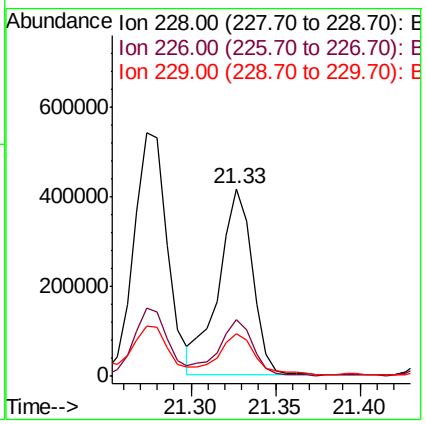




#83
Chrysene
Concen: 10.309 ng
RT: 21.33 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:228 Resp: 579619

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	23.0	16.0	24.0



Instrument :
BNA_M
ClientSampleId :
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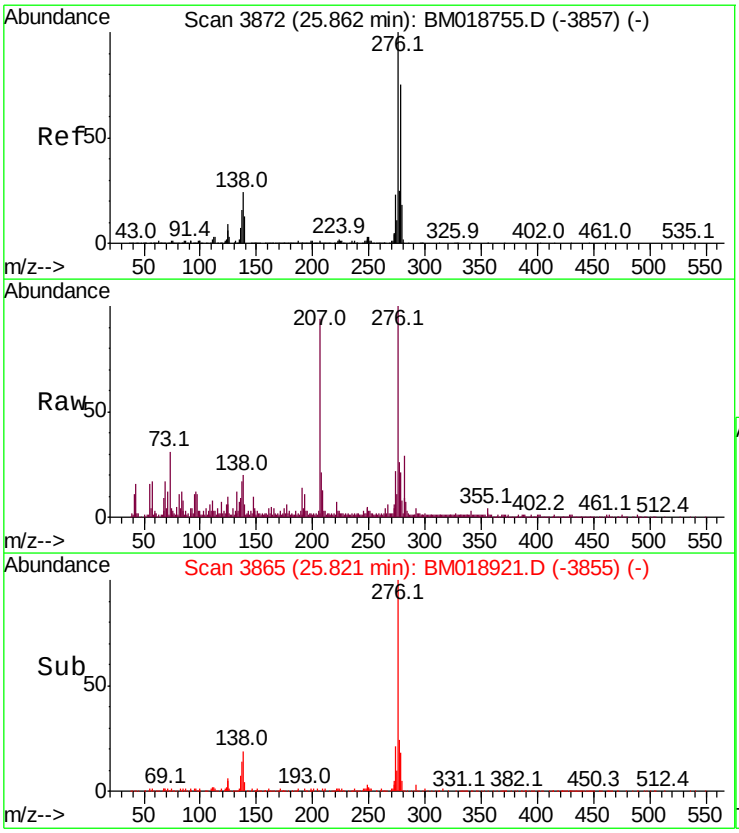
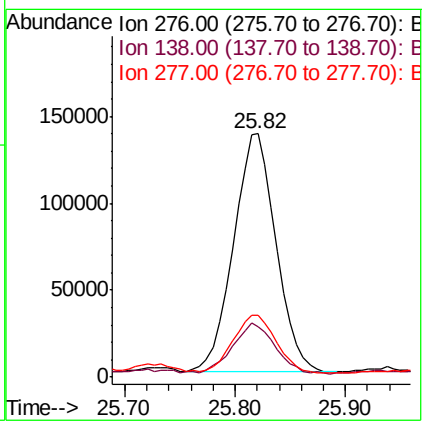
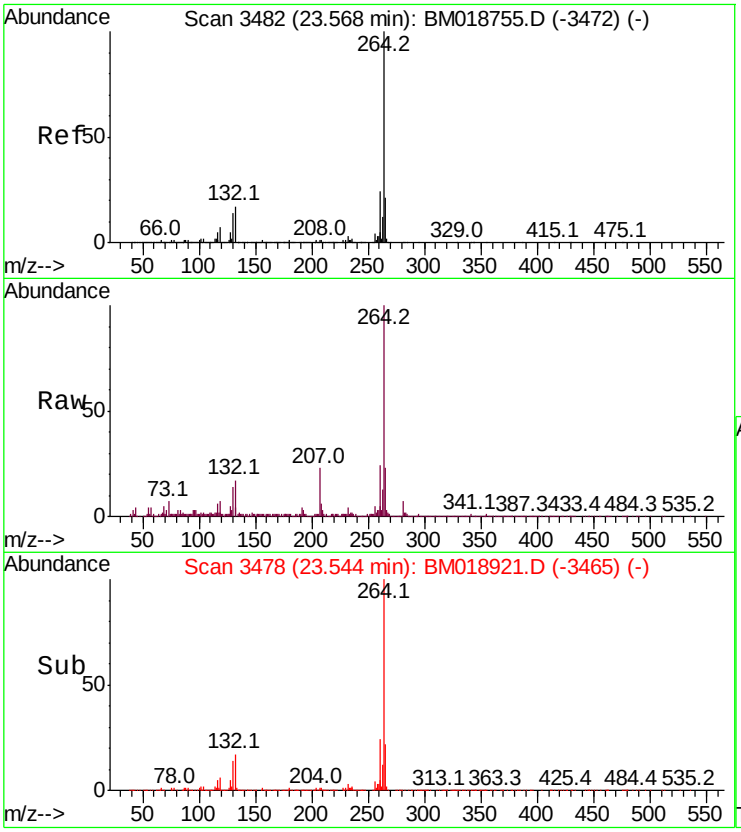


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.703 ng
RT: 25.82 min Scan# 3865
Delta R.T. -0.04 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:276 Resp: 370195

Ion	Ratio	Lower	Upper
276	100		
138	21.1	20.2	30.4
277	24.8	20.3	30.5

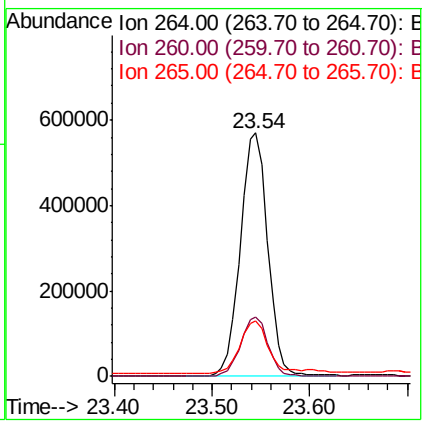




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.54 min Scan# 3478
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:264 Resp: 1104014

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	22.7	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
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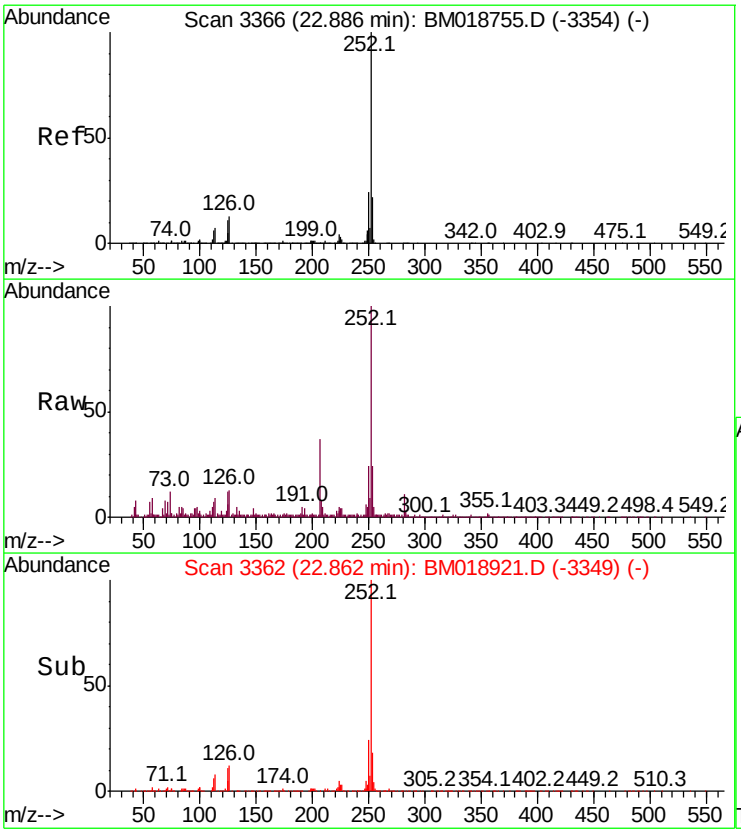
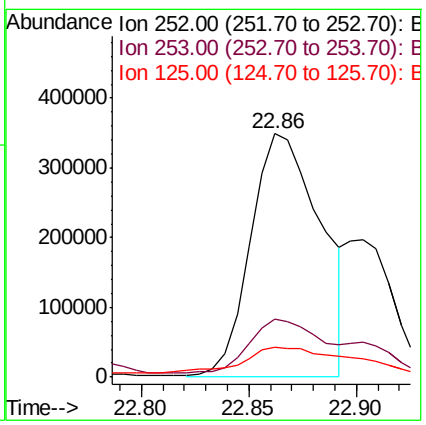
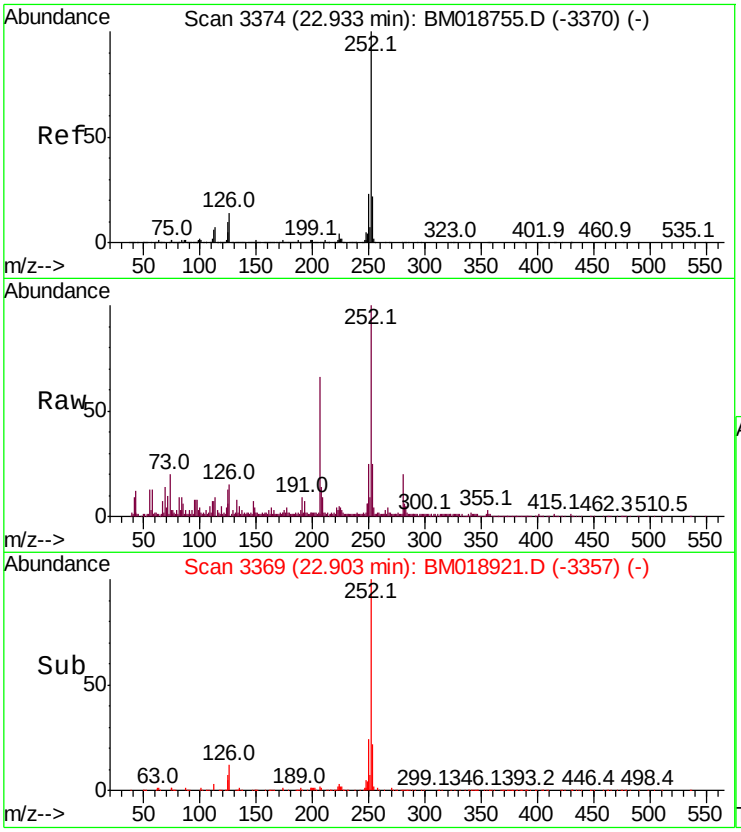


#88
Benzo(b)fluoranthene
Concen: 12.521 ng m
RT: 22.86 min Scan# 3362
Delta R.T. -0.02 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:252 Resp: 790867

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.5	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 4.775 ng m
RT: 22.90 min Scan# 3369
Delta R.T. -0.03 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:252 Resp: 300261

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.7	26.5
125	13.0	8.2	12.4#

Instrument :
BNA_M
ClientSampleId :
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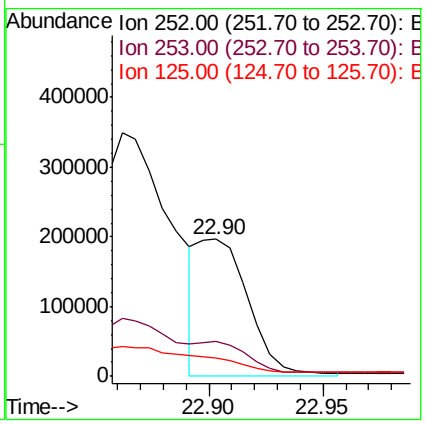
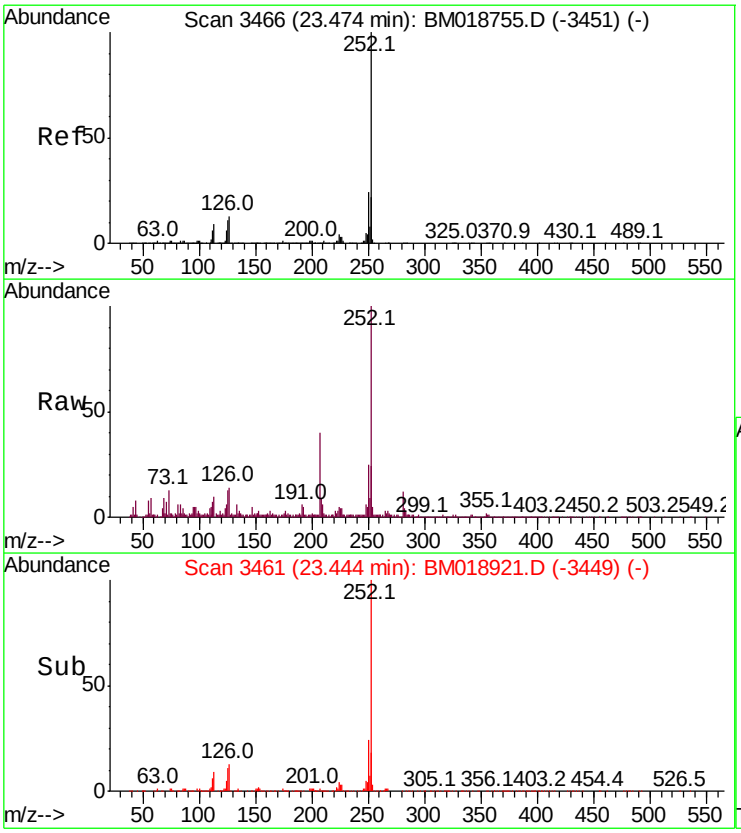
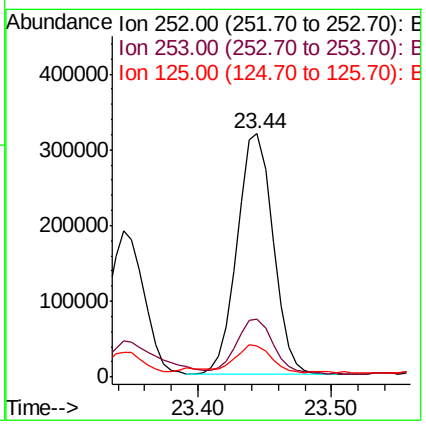


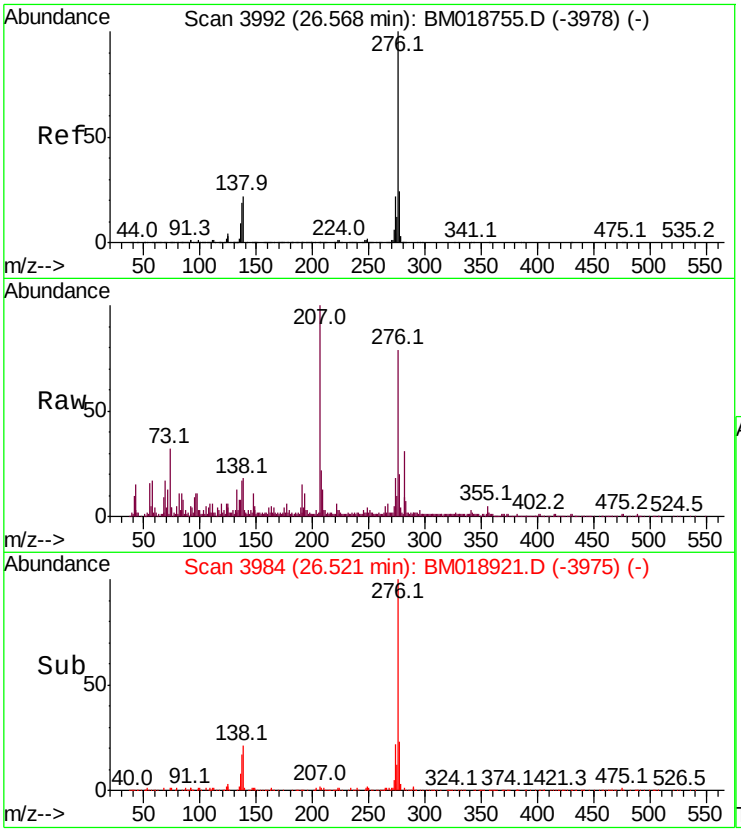


#90
Benzo(a)pyrene
Concen: 9.955 ng
RT: 23.44 min Scan# 3461
Delta R.T. -0.03 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:252 Resp: 595661

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	12.7	8.6	13.0

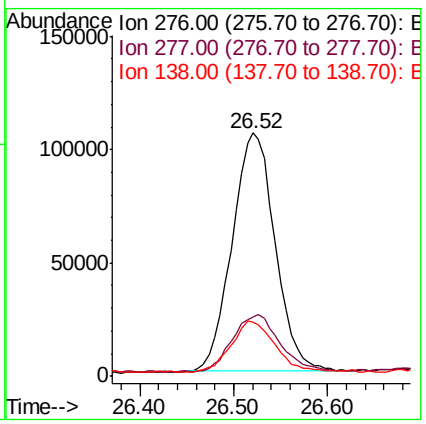




#92
Benzo(g,h,i)perylene
Concen: 5.998 ng
RT: 26.52 min Scan# 3984
Delta R.T. -0.05 min
Lab File: BM018921.D
Acq: 25 Feb 2019 19:48

Tgt Ion:276 Resp: 331043

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	22.5	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
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