Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020330.D
Acq On : 14 May 2019 13:38
Operator : JU/SJ
Sample : K2642-03DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OK-03-050919DL

Manual Integrations APPROVED
mohammad
5/15/2019 8:19:19 AM

Quant Time: May 14 16:01:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 15:47:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	49750	20.00	ng		0.00
21) Naphthalene-d8	10.55	136	178397	20.00	ng		0.00
39) Acenaphthene-d10	14.40	164	113327	20.00	ng		0.00
64) Phenanthrene-d10	17.16	188	270907	20.00	ng		0.00
76) Chrysene-d12	21.34	240	289760	20.00	ng		0.00
87) Perylene-d12	23.63	264	343778	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	13542	4.45	ng		0.00
7) Phenol-d6	6.93	99	14641	3.52	ng		0.00
23) Nitrobenzene-d5	8.93	82	10899m	2.41	ng		0.00
42) 2,4,6-Tribromophenol	15.90	330	6694	3.81	ng		0.00
45) 2-Fluorobiphenyl	13.02	172	27648	3.00	ng		0.00
79) Terphenyl-d14	19.78	244	46991	2.83	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.60	128	101796	10.996	ng		99
37) 2-Methylnaphthalene	12.22	142	45338	6.718	ng		94
38) 1-Methylnaphthalene	12.44	142	39151	5.932	ng		98
49) Acenaphthylene	14.13	152	31276	2.624	ng		93
52) Acenaphthene	14.47	154	86674	12.681	ng		97
55) Dibenzofuran	14.80	168	84114	7.296	ng	#	96
58) Fluorene	15.46	166	127527	13.468	ng		99
71) Phenanthrene	17.20	178	1065886	71.276	ng		100
72) Anthracene	17.29	178	235924	15.779	ng		100
73) Carbazole	17.57	167	95080	7.048	ng		99
75) Fluoranthene	19.22	202	1206949	63.789	ng		99
78) Pyrene	19.58	202	1028525	52.869	ng		100
81) Benzo(a)anthracene	21.33	228	467402	23.001	ng		99
83) Chrysene	21.38	228	423321	21.480	ng		98
86) Indeno(1,2,3-cd)pyrene	25.94	276	267934	11.430	ng		97
88) Benzo(b)fluoranthene	22.94	252	527664m	23.244	ng		
89) Benzo(k)fluoranthene	22.98	252	191011m	9.224	ng		
90) Benzo(a)pyrene	23.53	252	415189	20.135	ng		97
91) Dibenzo(a,h)anthracene	25.96	278	66457	3.099	ng	#	82
92) Benzo(g,h,i)perylene	26.66	276	277985	13.654	ng		99

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

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Instrument :
BNA_M
ClientSampleId :
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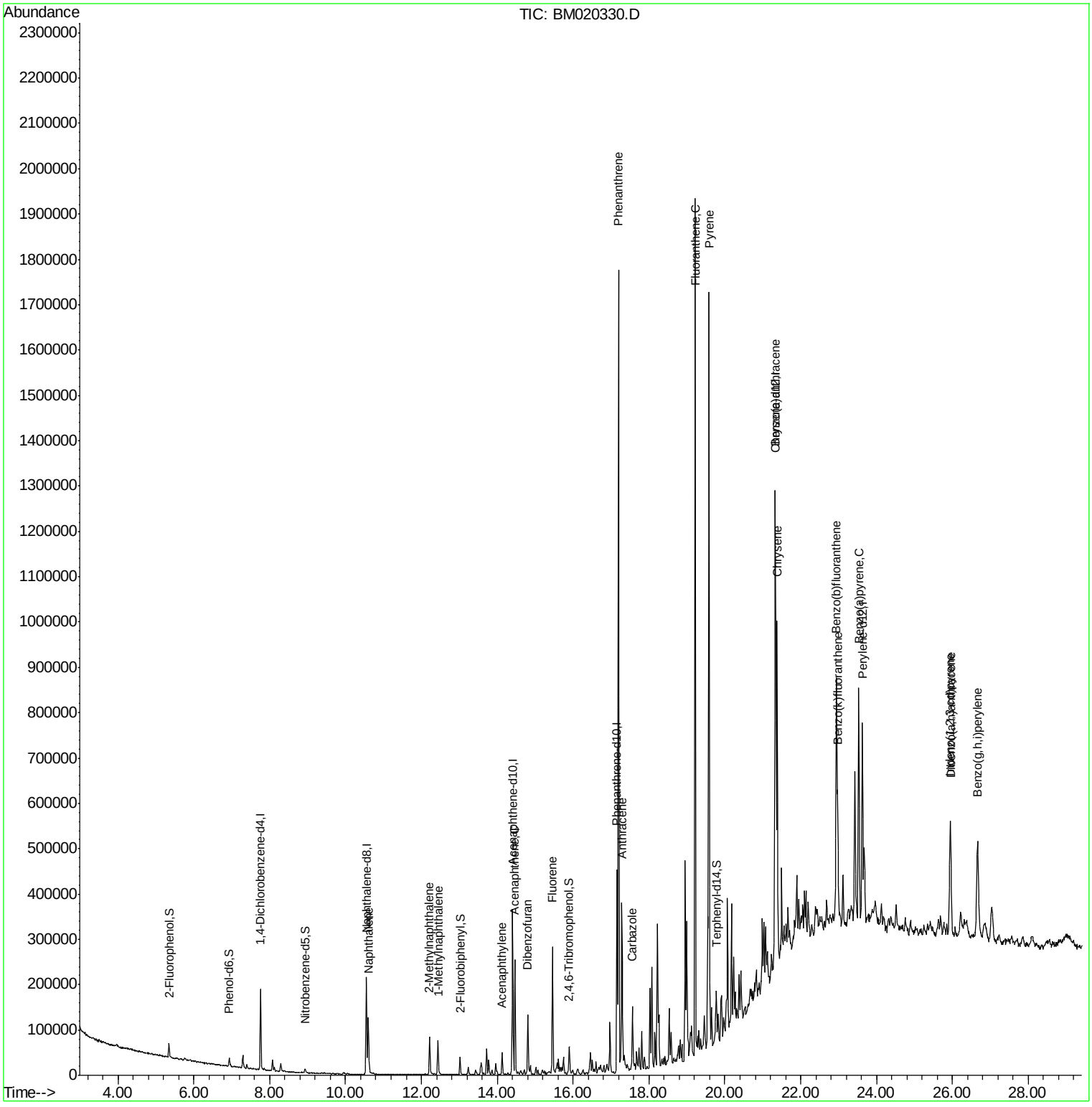
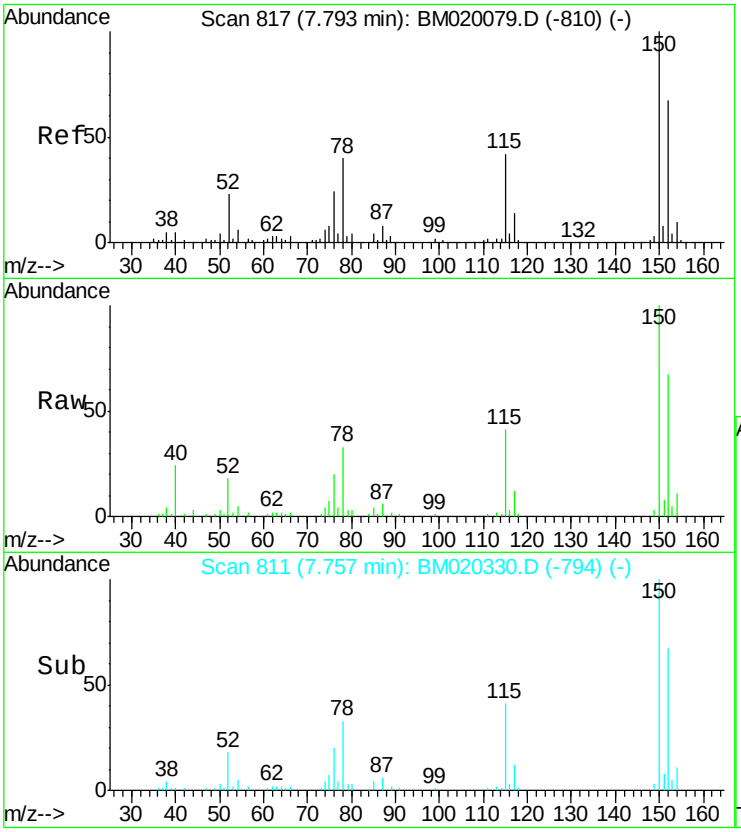
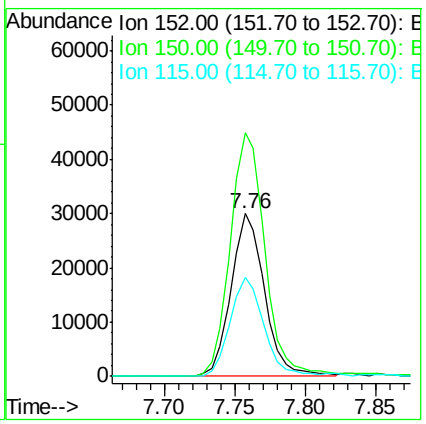




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:152 Resp: 49750

Ion	Ratio	Lower	Upper
152	100		
150	149.4	120.3	180.5
115	60.9	49.2	73.8



Instrument :
BNA_M
ClientSampleId :
OK-03-050919DL

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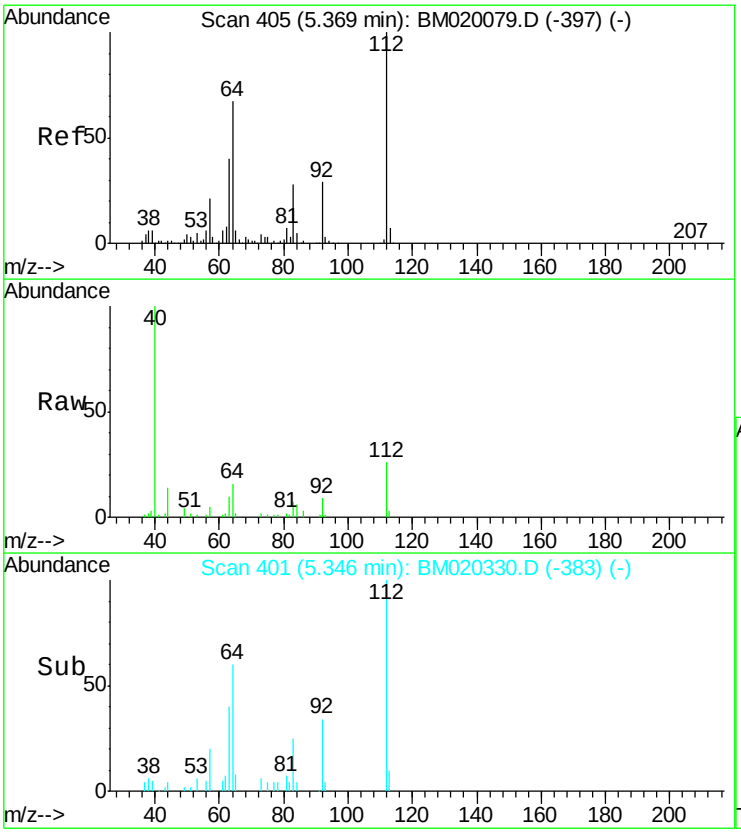
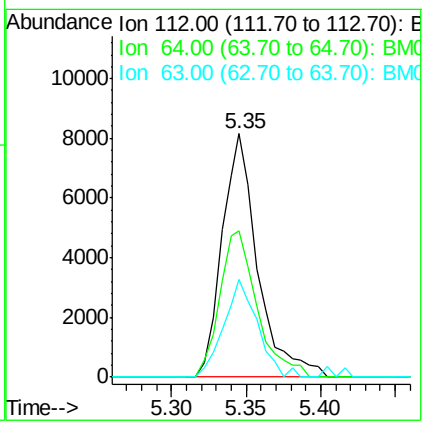
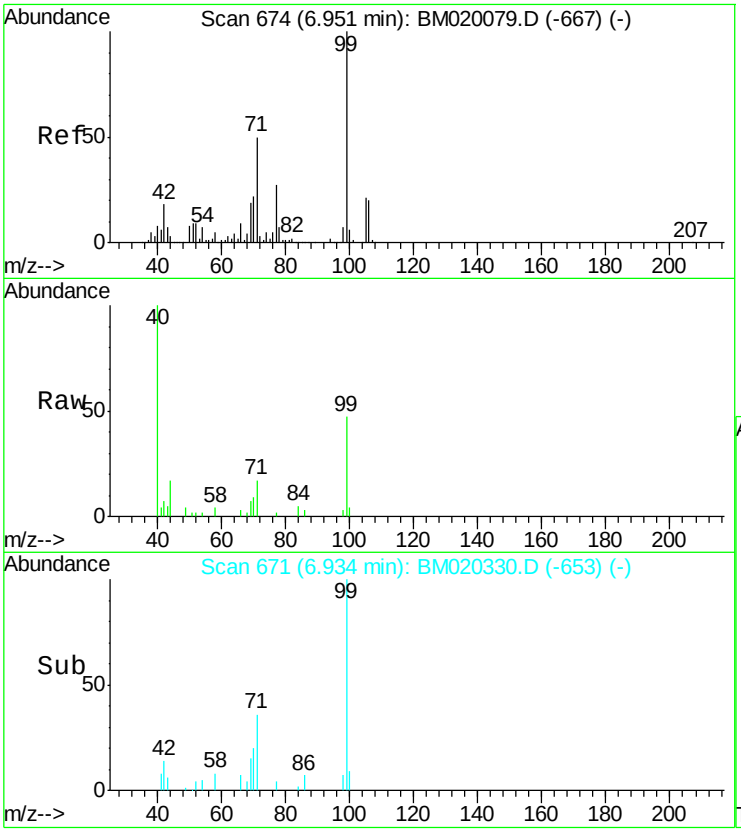


#5
2-Fluorophenol
Concen: 4.449 ng
RT: 5.35 min Scan# 401
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:112 Resp: 13542

Ion	Ratio	Lower	Upper
112	100		
64	60.1	50.1	75.1
63	39.9	27.4	41.2

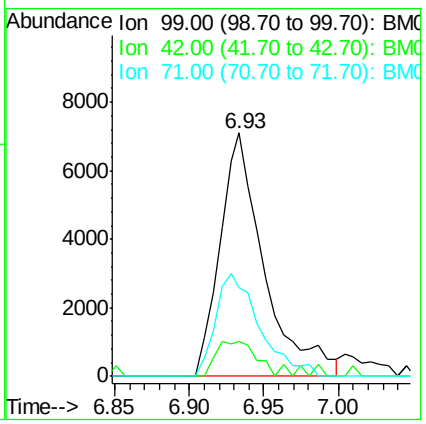




#7
Phenol-d6
Concen: 3.521 ng
RT: 6.93 min Scan# 671
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion: 99 Resp: 14641

Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.2	16.8
71	36.4	35.6	53.4



Instrument :
BNA_M
ClientSampleId :
OK-03-050919DL

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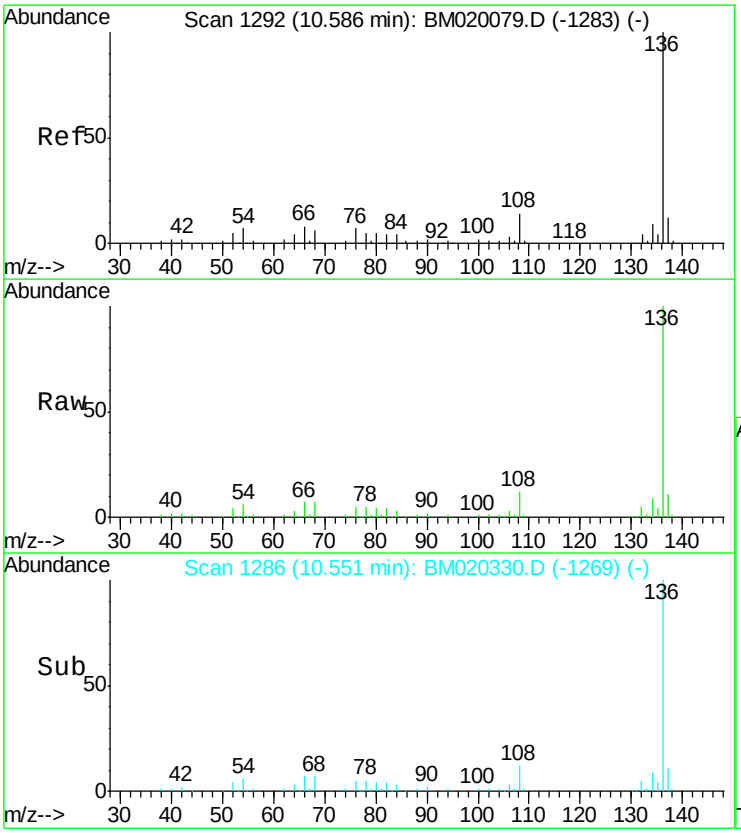
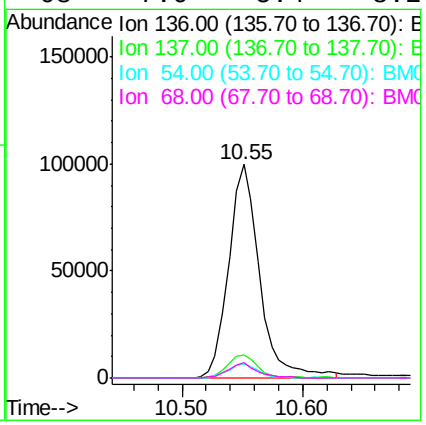
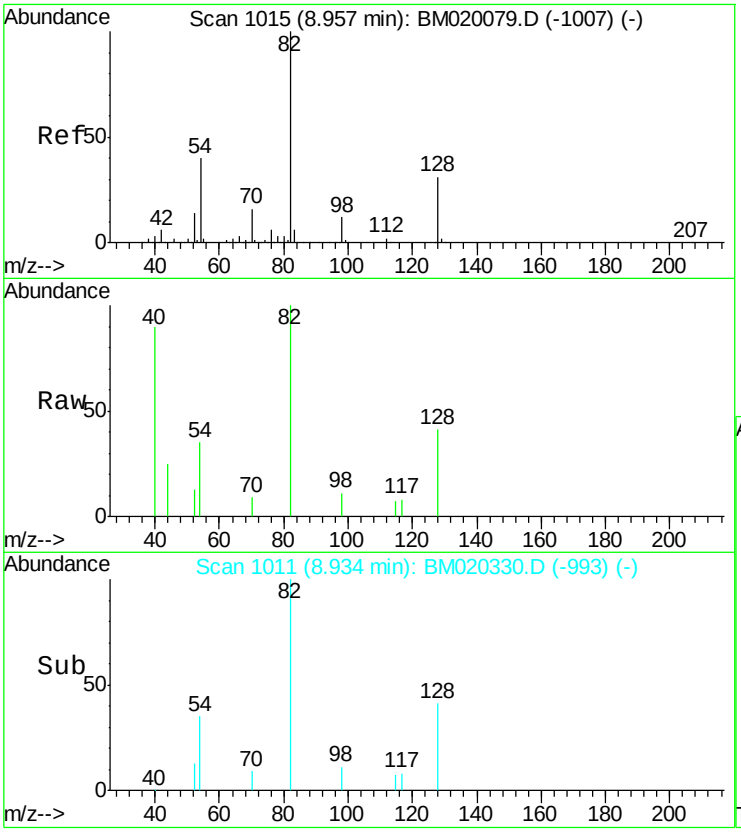


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:136 Resp: 178397

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	6.3	5.3	7.9
68	7.0	5.4	8.2

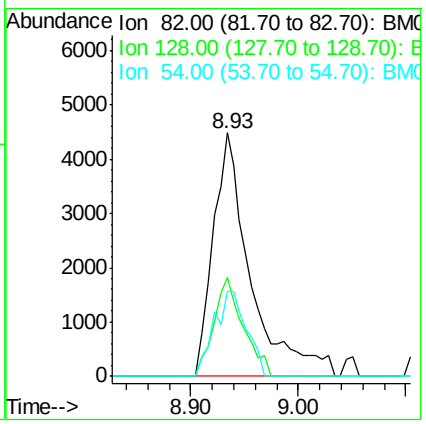




#23
Nitrobenzene-d5
Concen: 2.412 ng m
RT: 8.93 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion: 82 Resp: 10899

Ion	Ratio	Lower	Upper
82	100		
128	40.6	26.9	40.3#
54	34.9	28.6	43.0



Instrument :
BNA_M
ClientSampleId :
OK-03-050919DL

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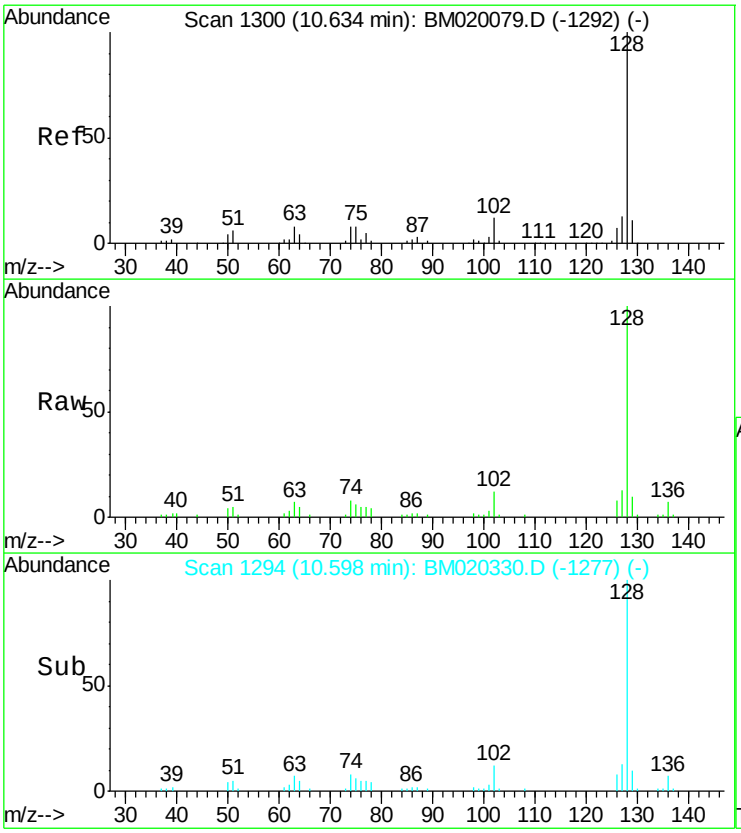
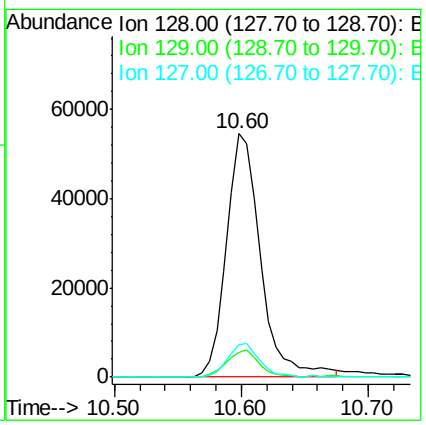
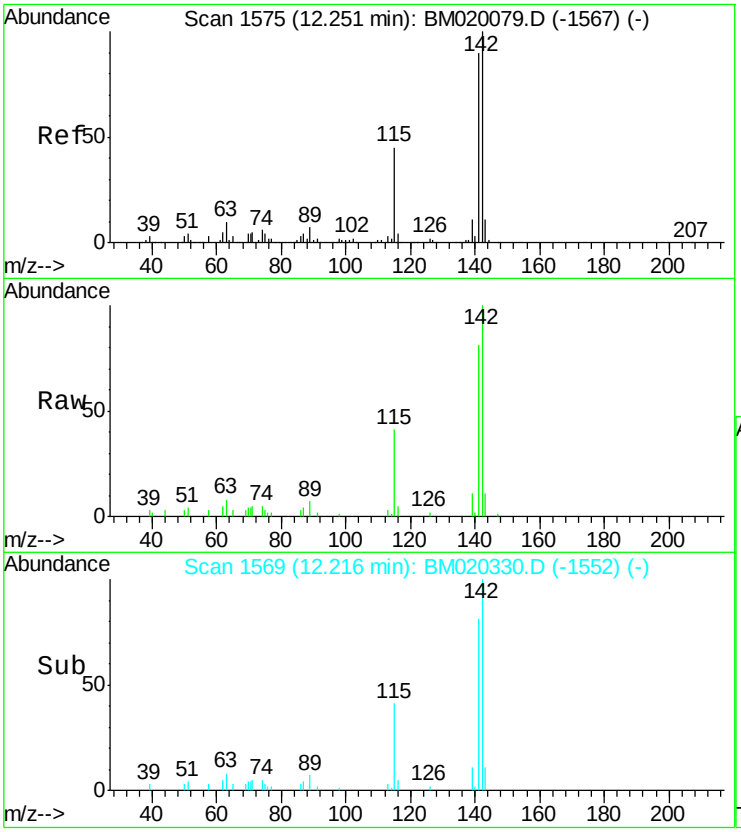


#31
Naphthalene
Concen: 10.996 ng
RT: 10.60 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:128 Resp: 101796

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.6	12.8
127	13.3	10.2	15.2

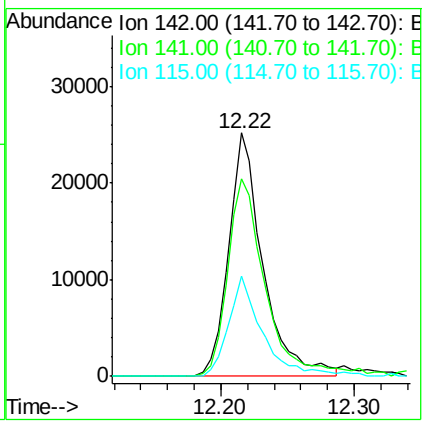




#37
2-Methylnaphthalene
Concen: 6.718 ng
RT: 12.22 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:142 Resp: 45338

Ion	Ratio	Lower	Upper
142	100		
141	81.4	69.2	103.8
115	41.1	30.0	45.0



Instrument :
BNA_M
ClientSampleId :
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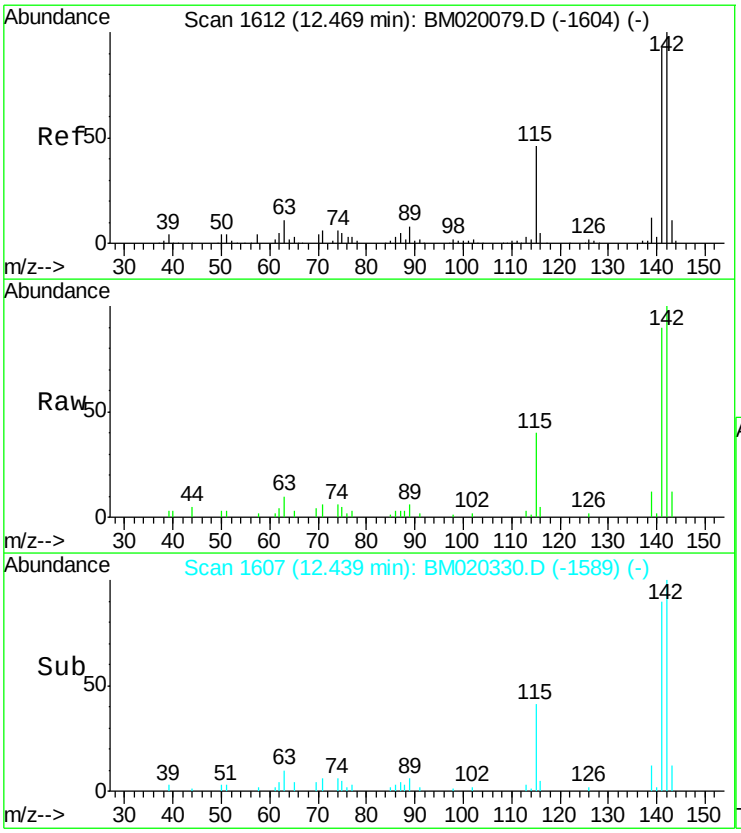
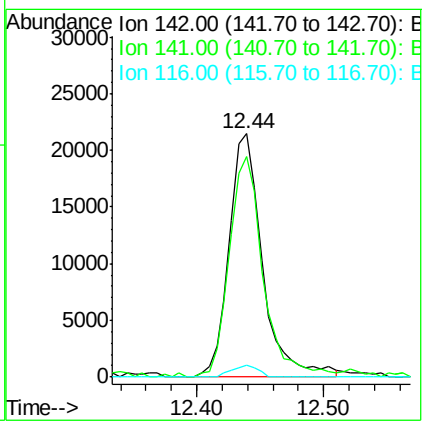
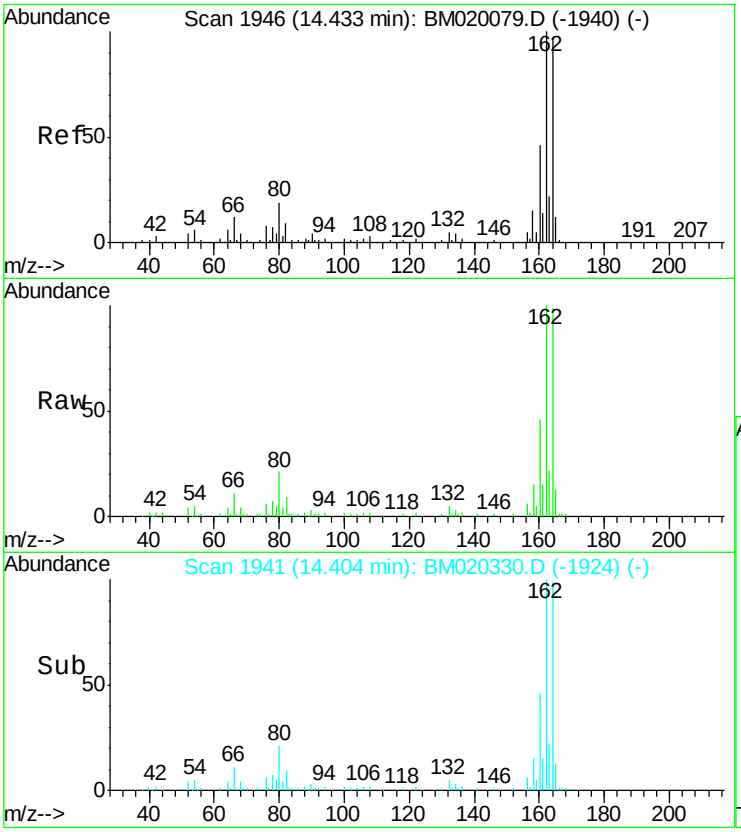


#38
1-Methylnaphthalene
Concen: 5.932 ng
RT: 12.44 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:142 Resp: 39151

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.1	106.7
116	5.0	3.4	5.2

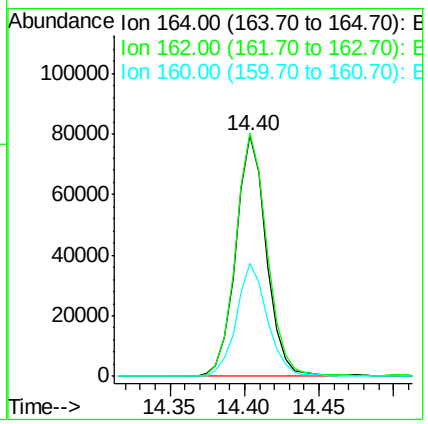




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:164 Resp: 113327

Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.5	116.3
160	46.9	35.8	53.6



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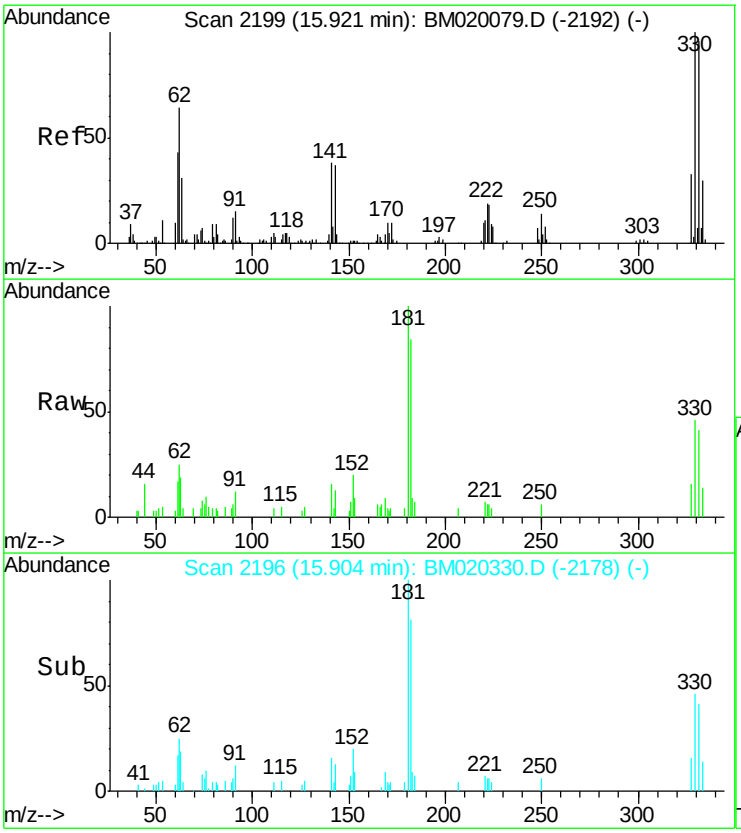
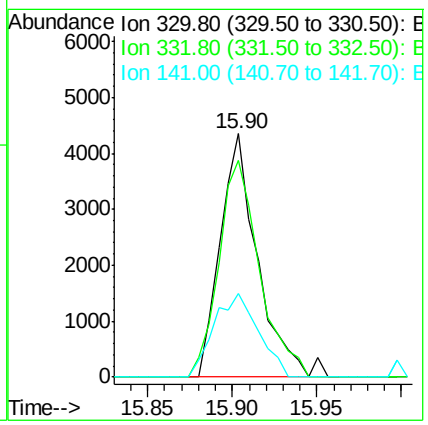
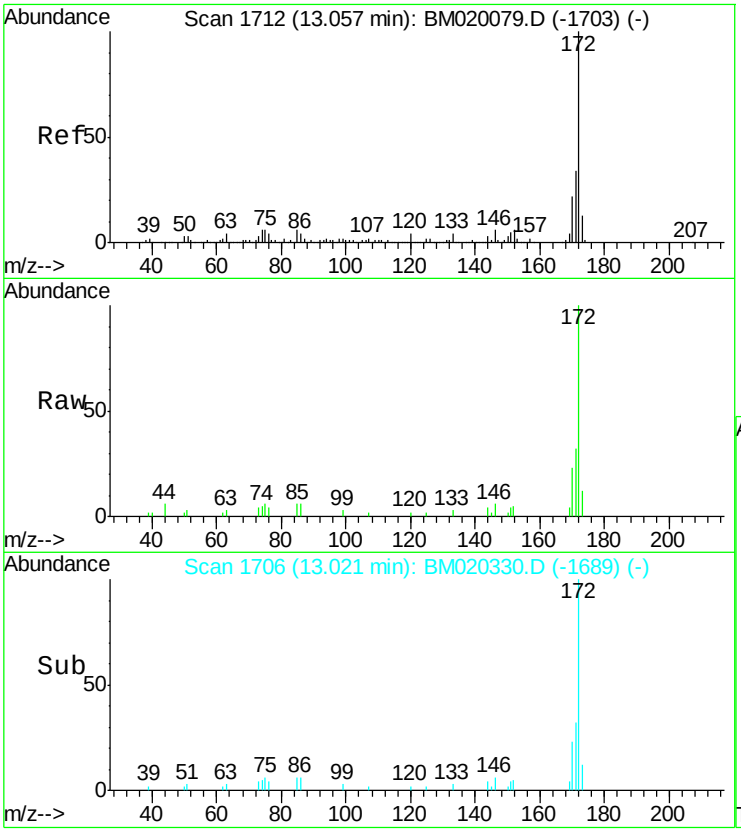


#42
2,4,6-Tribromophenol
Concen: 3.805 ng
RT: 15.90 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:330 Resp: 6694

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	40.6	25.7	38.5#

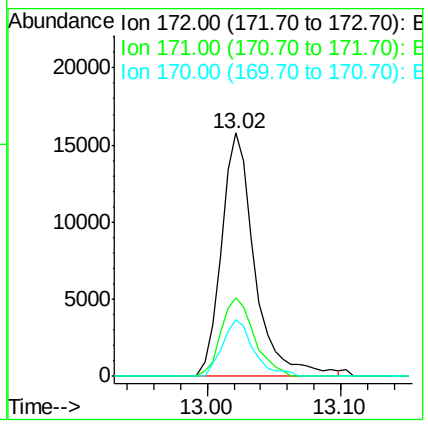




#45
2-Fluorobiphenyl
Concen: 3.002 ng
RT: 13.02 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:172 Resp: 27648

Ion	Ratio	Lower	Upper
172	100		
171	32.1	28.2	42.4
170	23.3	18.3	27.5



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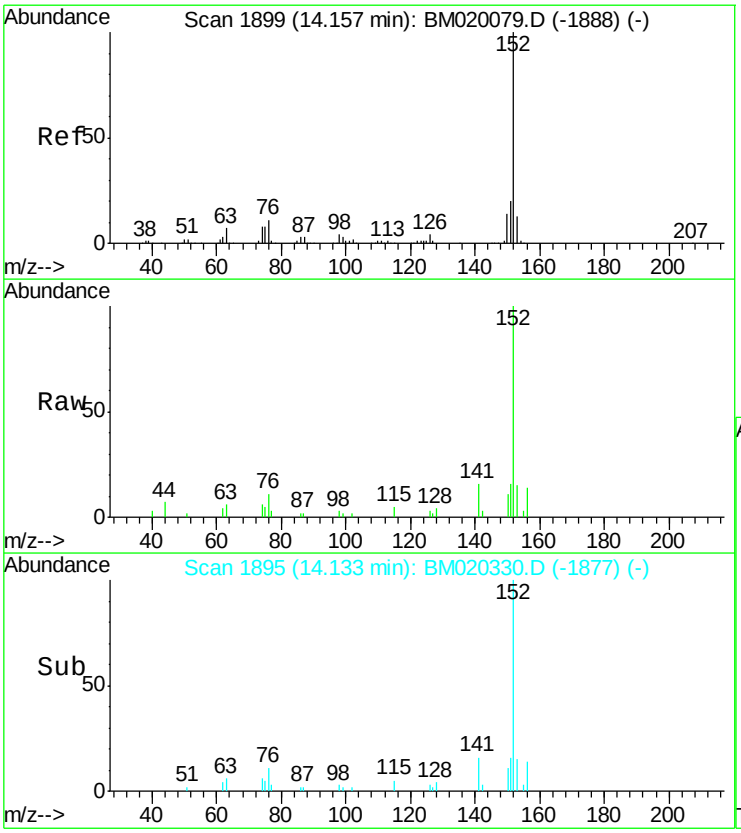
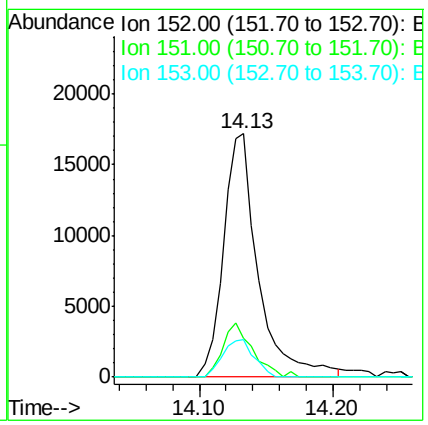
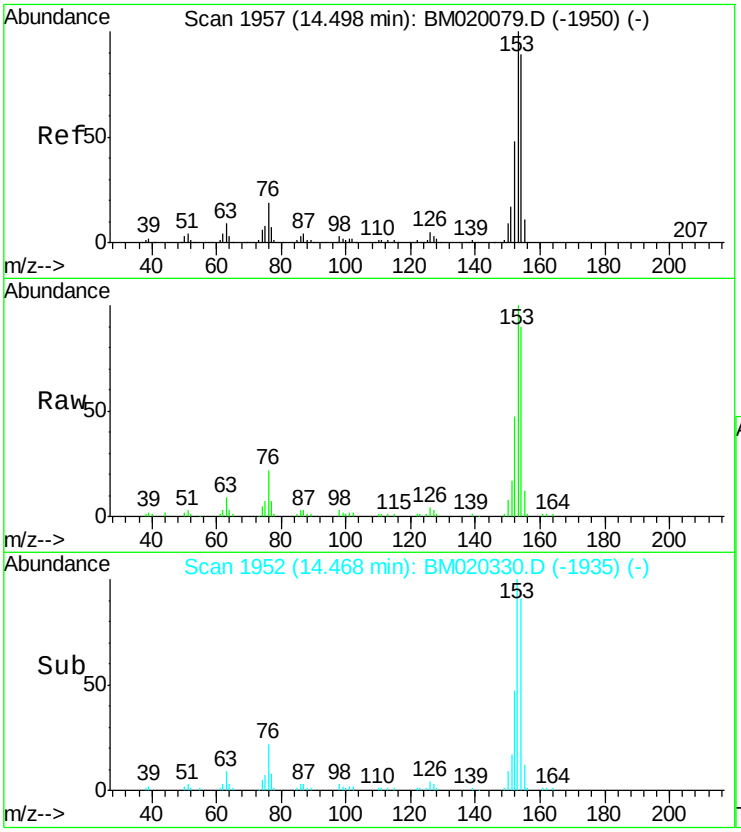


#49
Acenaphthylene
Concen: 2.624 ng
RT: 14.13 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:152 Resp: 31276

Ion	Ratio	Lower	Upper
152	100		
151	16.1	15.5	23.3
153	15.3	10.2	15.4

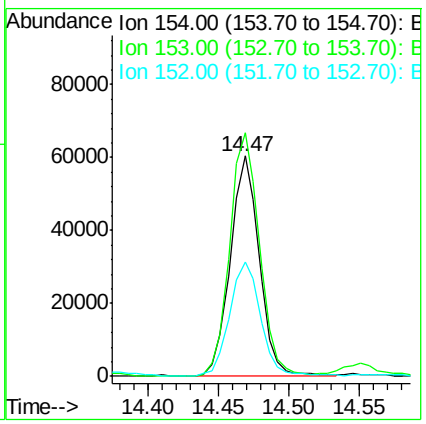




#52
Acenaphthene
Concen: 12.681 ng
RT: 14.47 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:154 Resp: 86674

Ion	Ratio	Lower	Upper
154	100		
153	110.6	91.7	137.5
152	52.2	42.1	63.1



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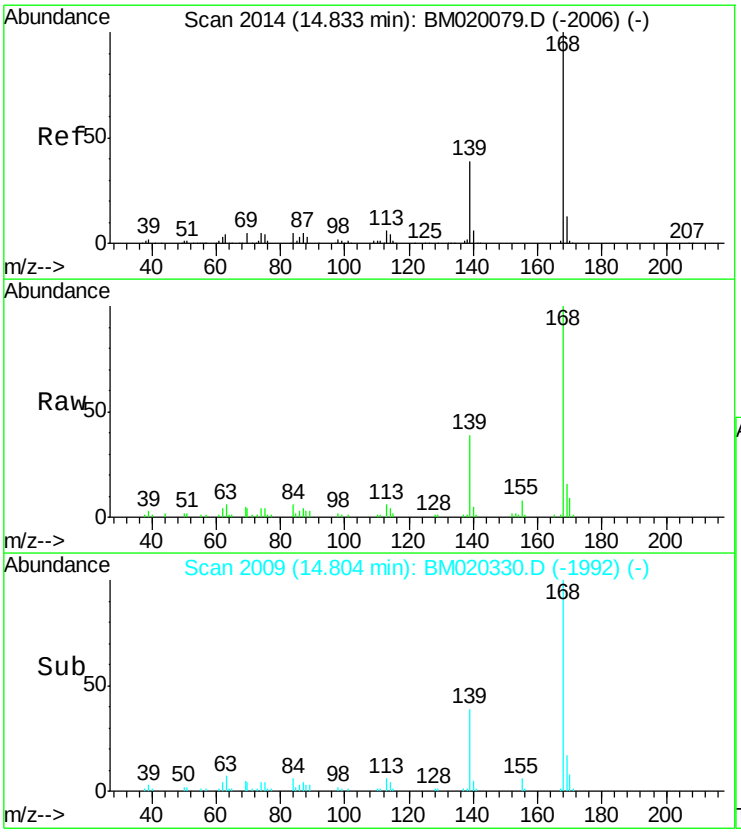
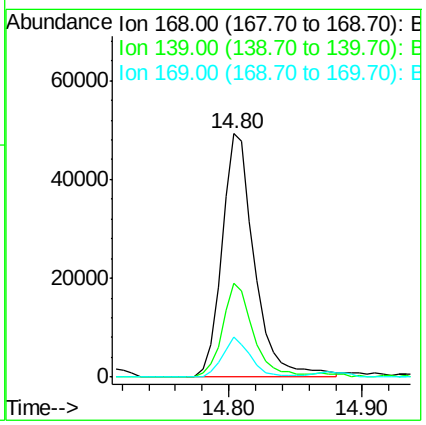
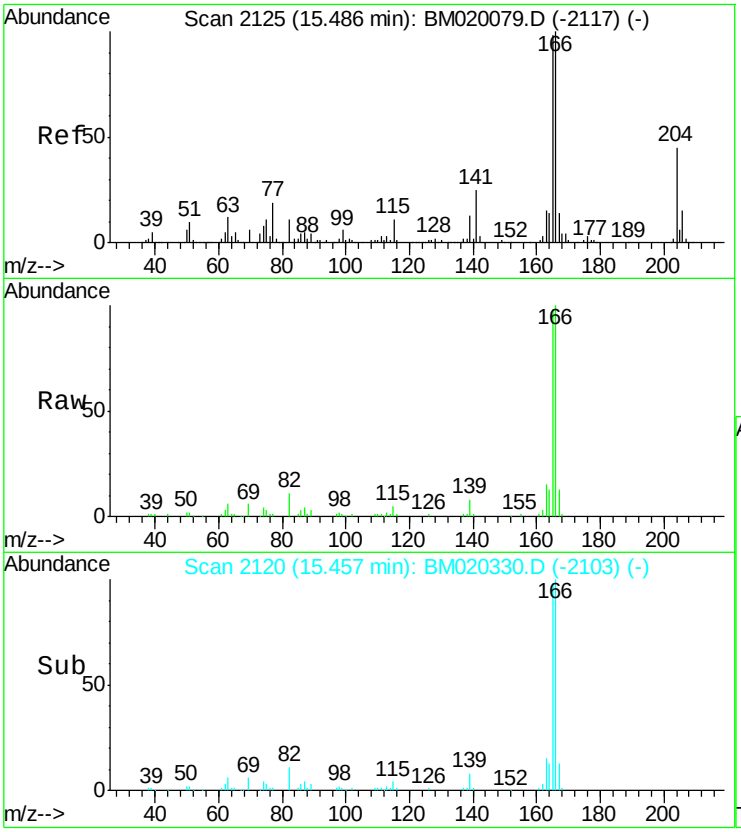


#55
Dibenzofuran
Concen: 7.296 ng
RT: 14.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:168 Resp: 84114

Ion	Ratio	Lower	Upper
168	100		
139	38.8	29.5	44.3
169	16.3	10.6	15.8#





#58
Fluorene
Concen: 13.468 ng
RT: 15.46 min Scan# 2120
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:166 Resp: 127527

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.7	116.5
167	13.0	10.7	16.1

Instrument :
BNA_M
ClientSampleId :
OK-03-050919DL

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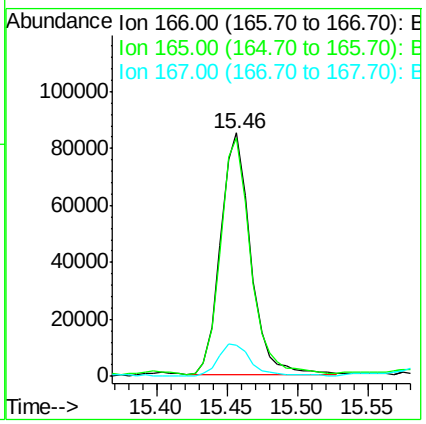
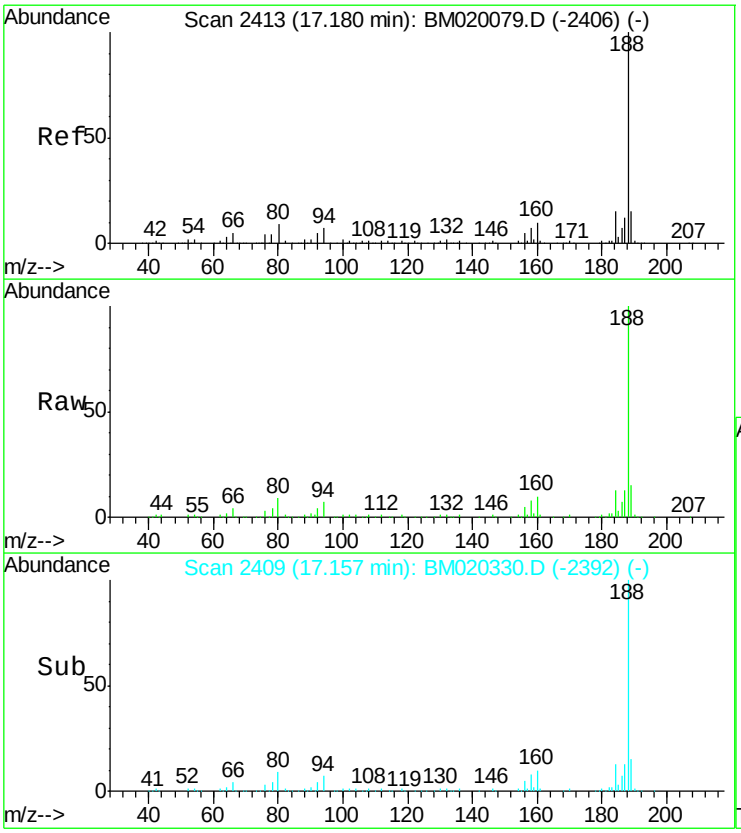
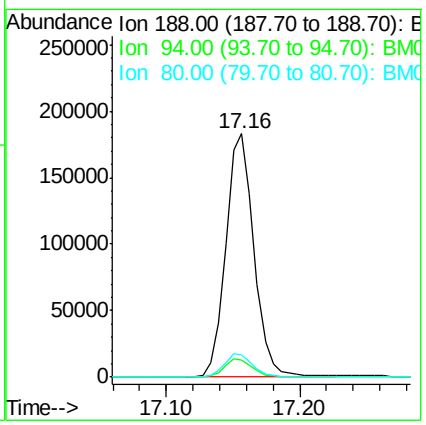


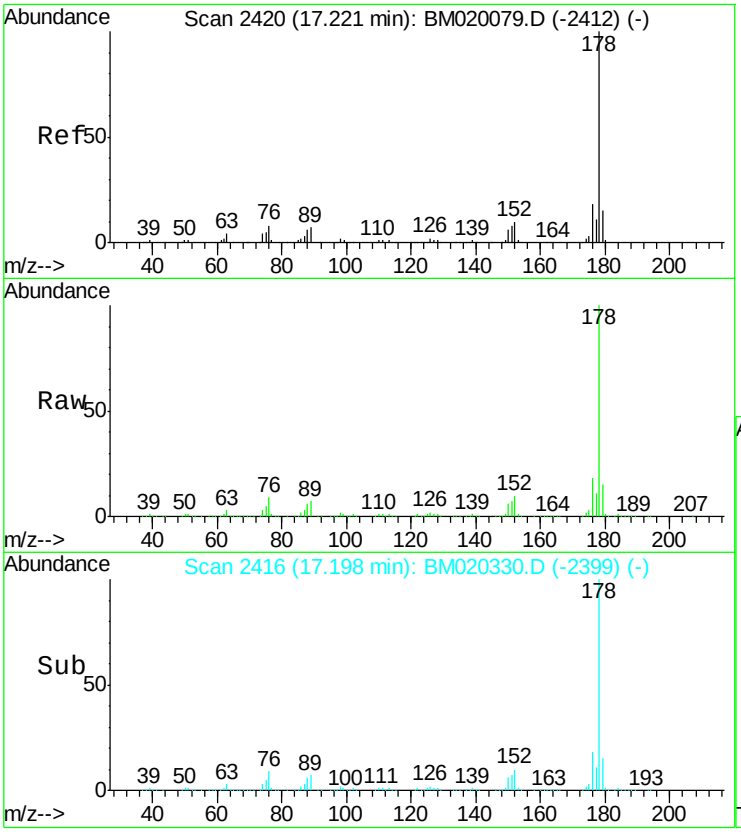


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:188 Resp: 270907

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	9.3	7.4	11.2

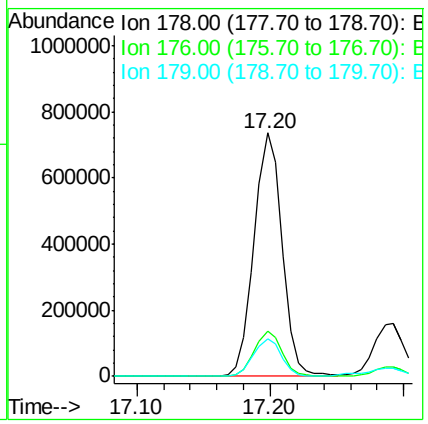




#71
Phenanthrene
Concen: 71.276 ng
RT: 17.20 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:178 Resp: 1065886

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.4	12.2	18.4



Instrument :
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ClientSampleId :
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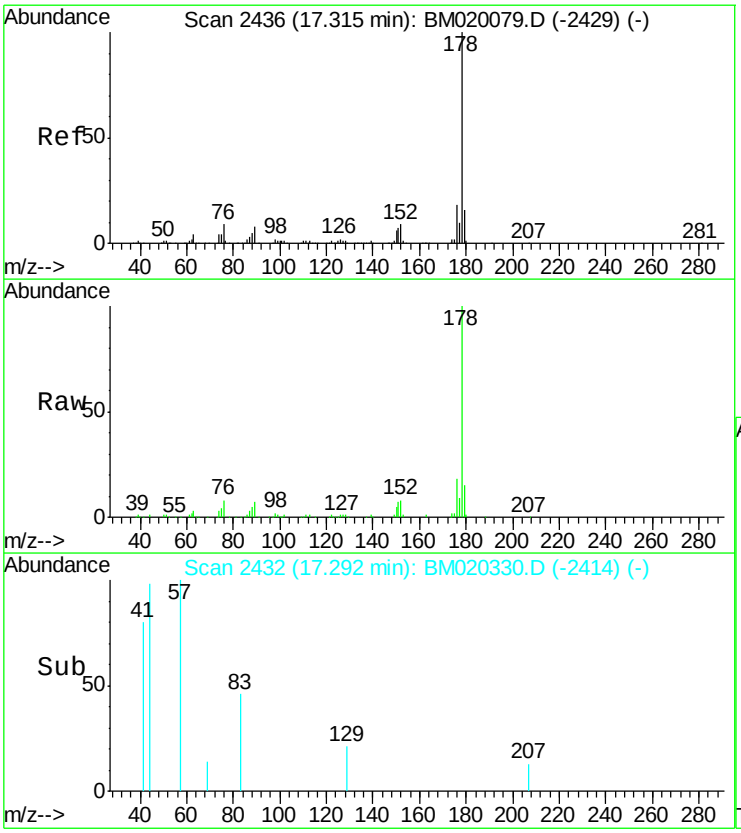
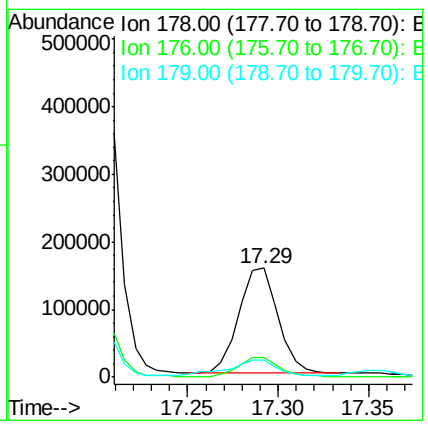
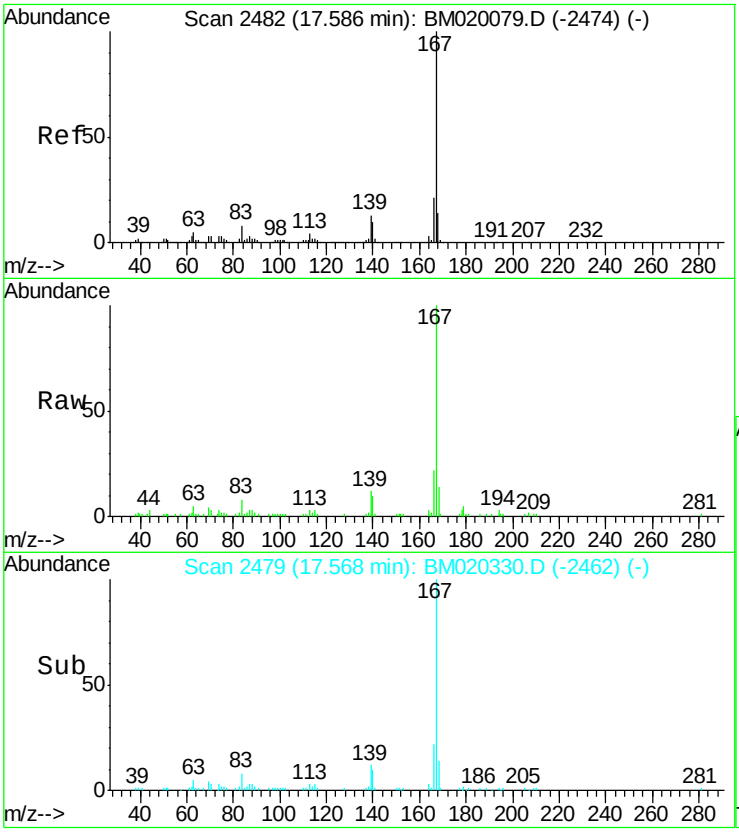


#72
Anthracene
Concen: 15.779 ng
RT: 17.29 min Scan# 2432
Delta R.T. 0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:178 Resp: 235924

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.0	21.0
179	15.5	12.2	18.4

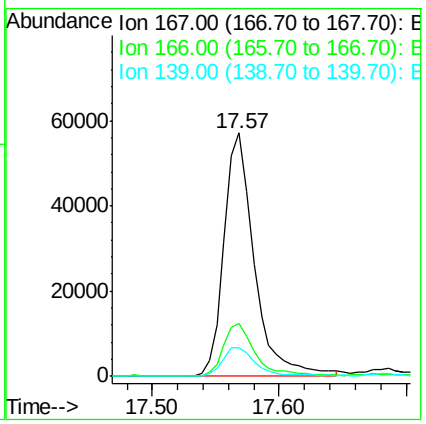




#73
Carbazole
Concen: 7.048 ng
RT: 17.57 min Scan# 2479
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:167 Resp: 95080

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	11.8	9.8	14.8



Instrument :
BNA_M
ClientSampleId :
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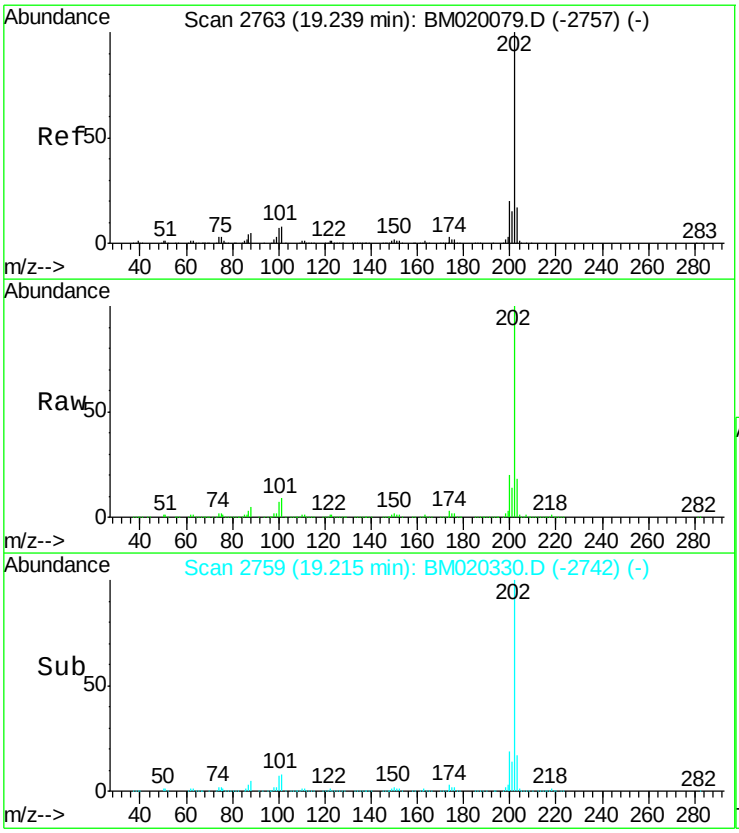
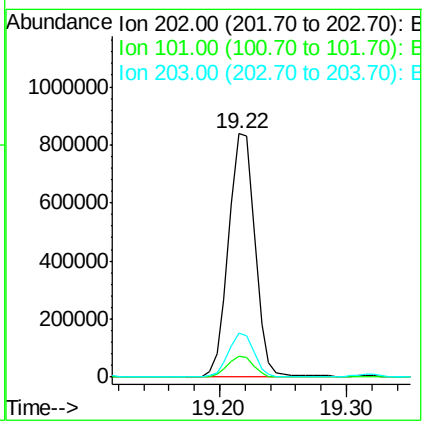
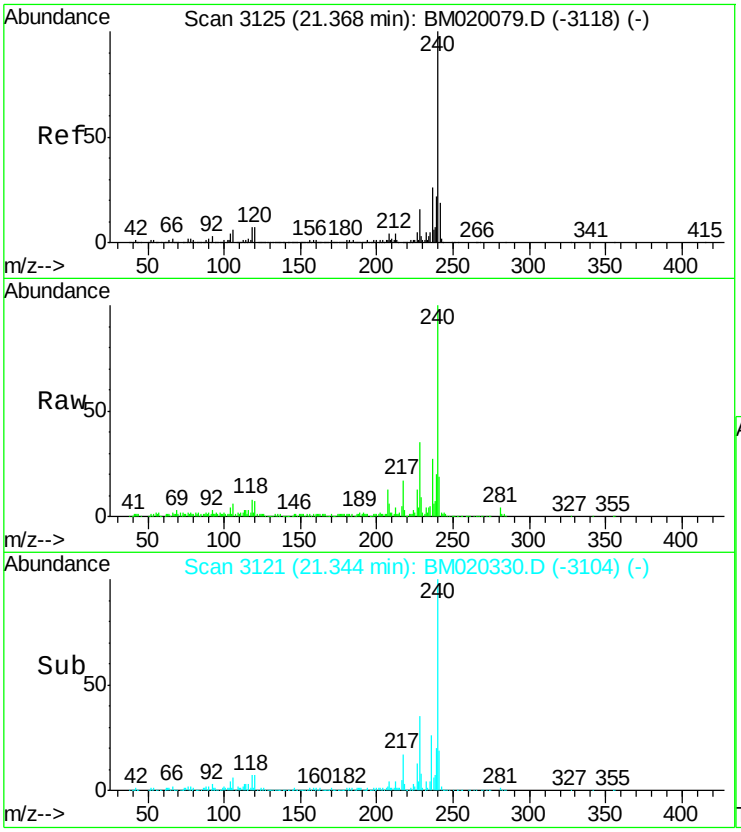


#75
Fluoranthene
Concen: 63.789 ng
RT: 19.22 min Scan# 2759
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:202 Resp: 1206949

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.7
203	17.8	0.0	37.2

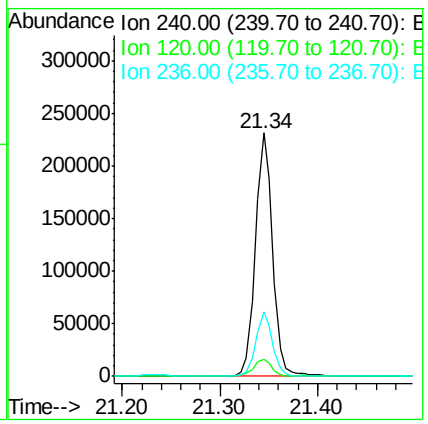




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:240 Resp: 289760

Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.1	9.1
236	26.6	20.2	30.2



Instrument :
BNA_M
ClientSampleId :
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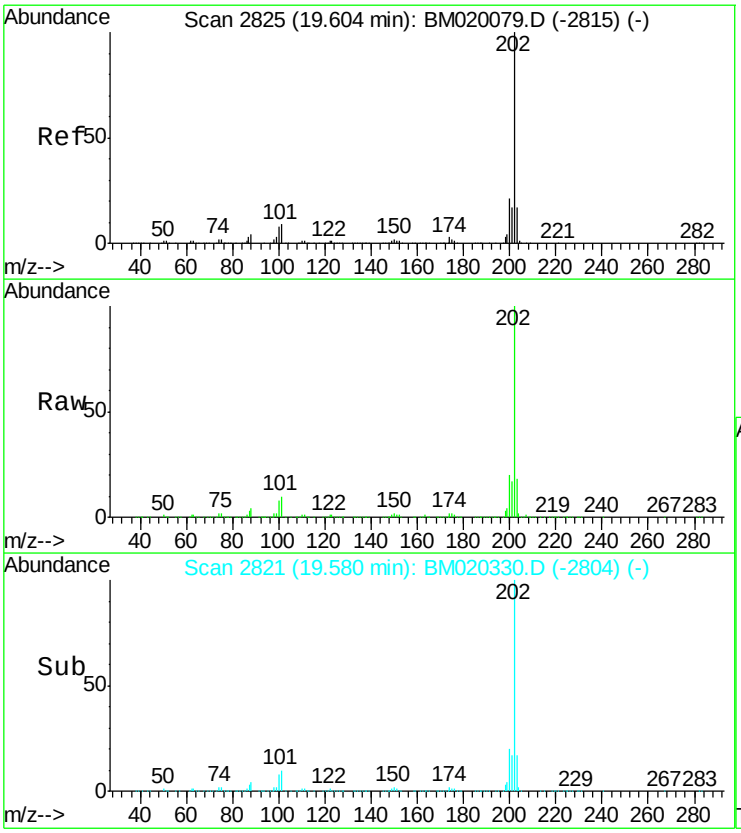
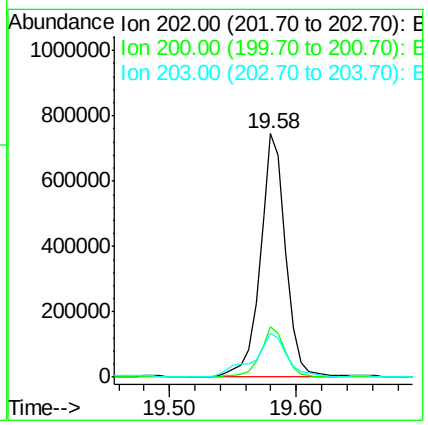
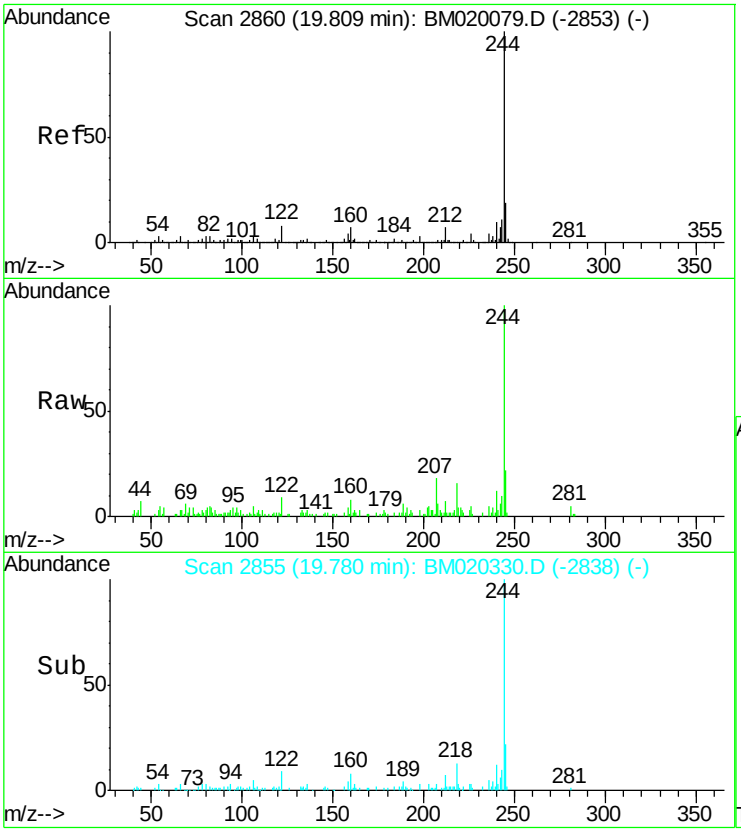


#78
Pyrene
Concen: 52.869 ng
RT: 19.58 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:202 Resp: 1028525

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	17.8	14.2	21.2

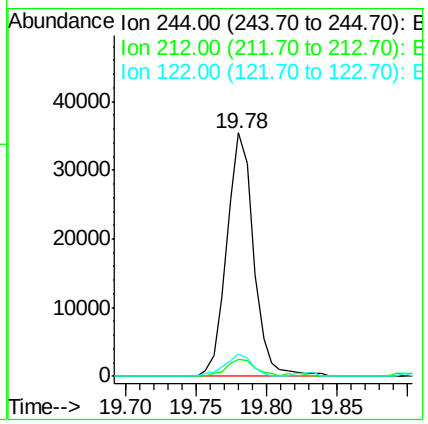




#79
Terphenyl-d14
Concen: 2.829 ng
RT: 19.78 min Scan# 2855
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:244 Resp: 46991

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	9.0	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
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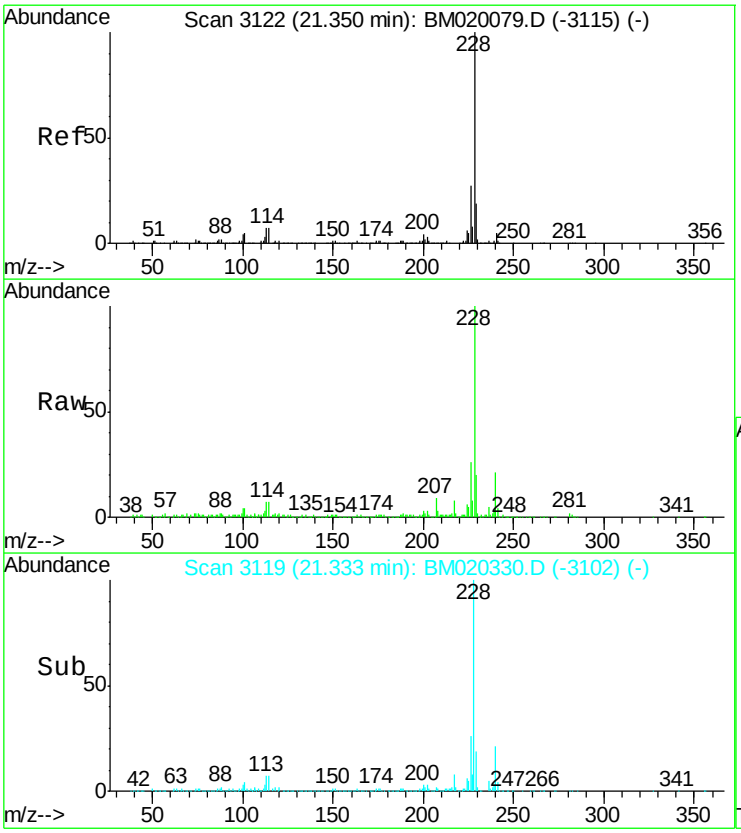
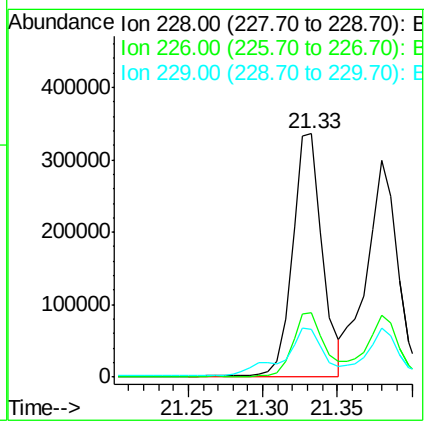
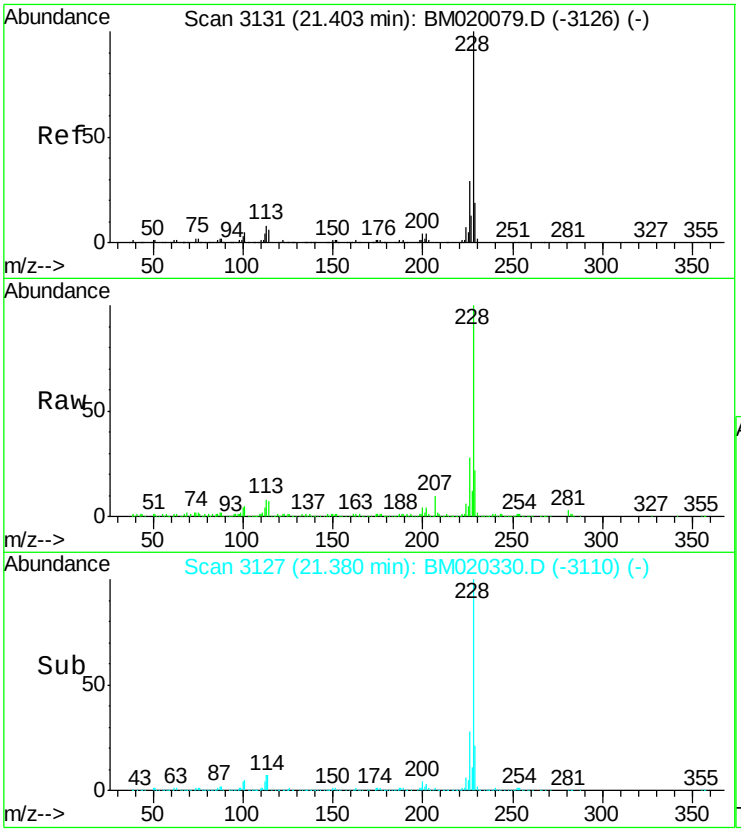


#81
Benzo(a)anthracene
Concen: 23.001 ng
RT: 21.33 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:228 Resp: 467402

Ion	Ratio	Lower	Upper
228	100		
226	26.3	20.7	31.1
229	19.8	15.4	23.0

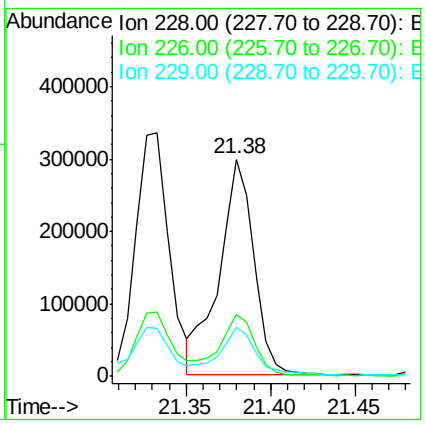




#83
Chrysene
Concen: 21.480 ng
RT: 21.38 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:228 Resp: 423321

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	22.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
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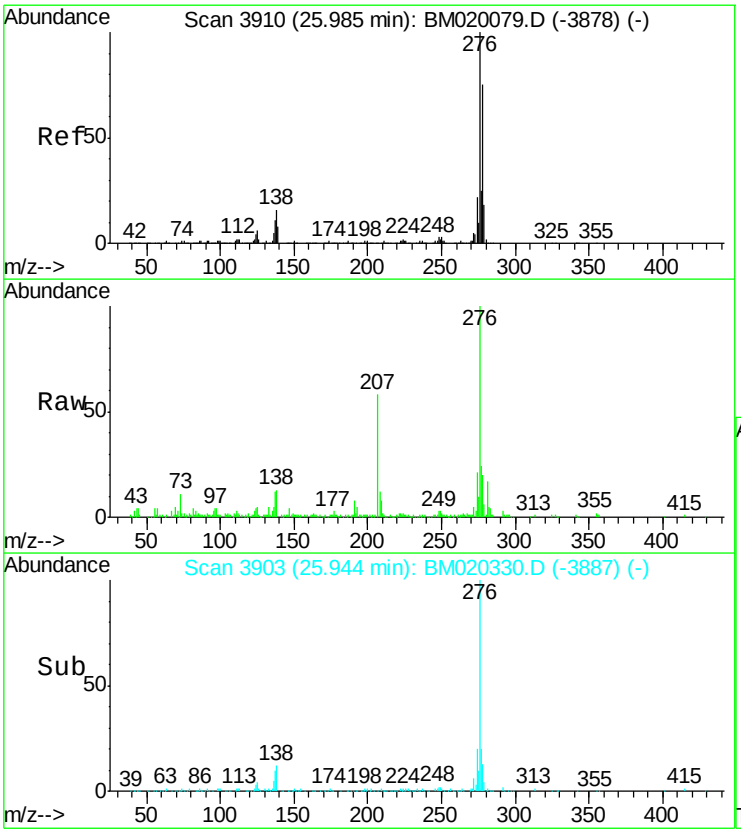
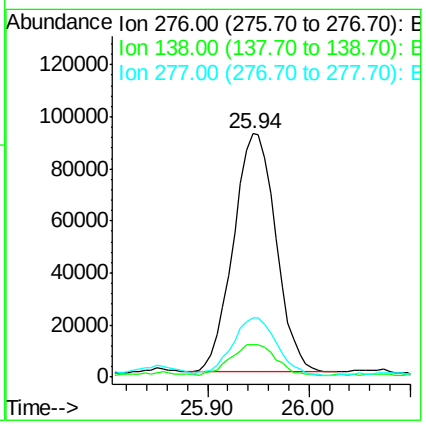
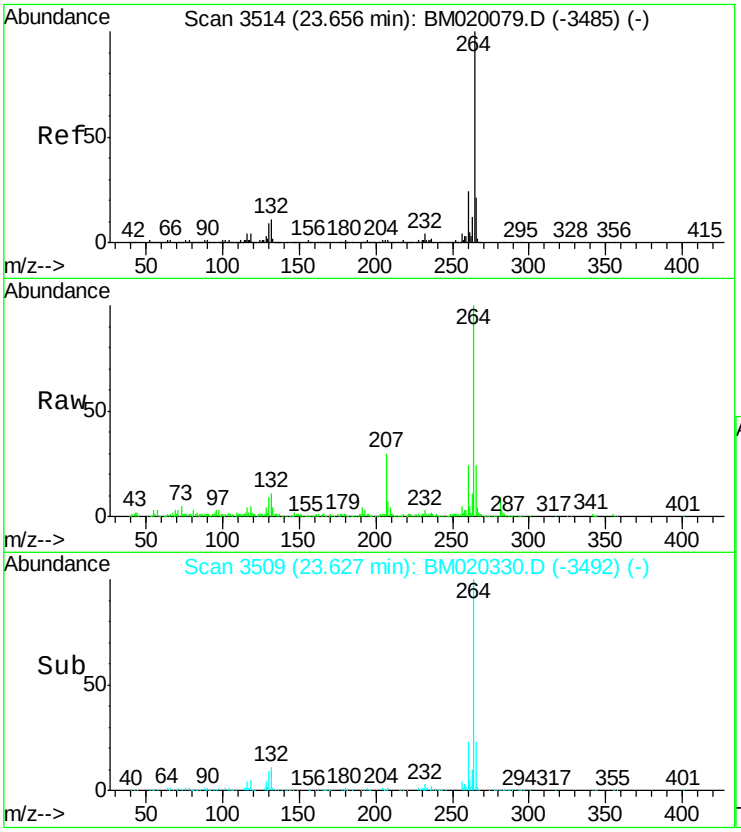


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.430 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:276 Resp: 267934

Ion	Ratio	Lower	Upper
276	100		
138	14.1	13.3	19.9
277	24.6	20.4	30.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3509
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:264 Resp: 343778

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.1	27.1
265	23.8	17.6	26.4

Instrument :
BNA_M
ClientSampleId :
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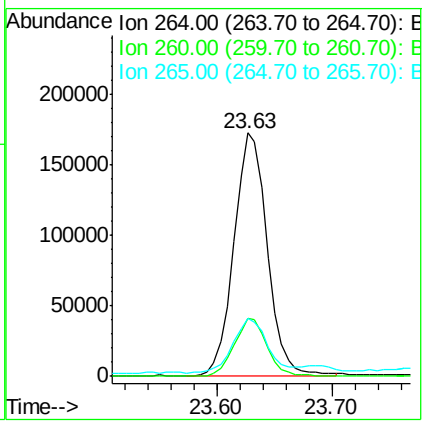
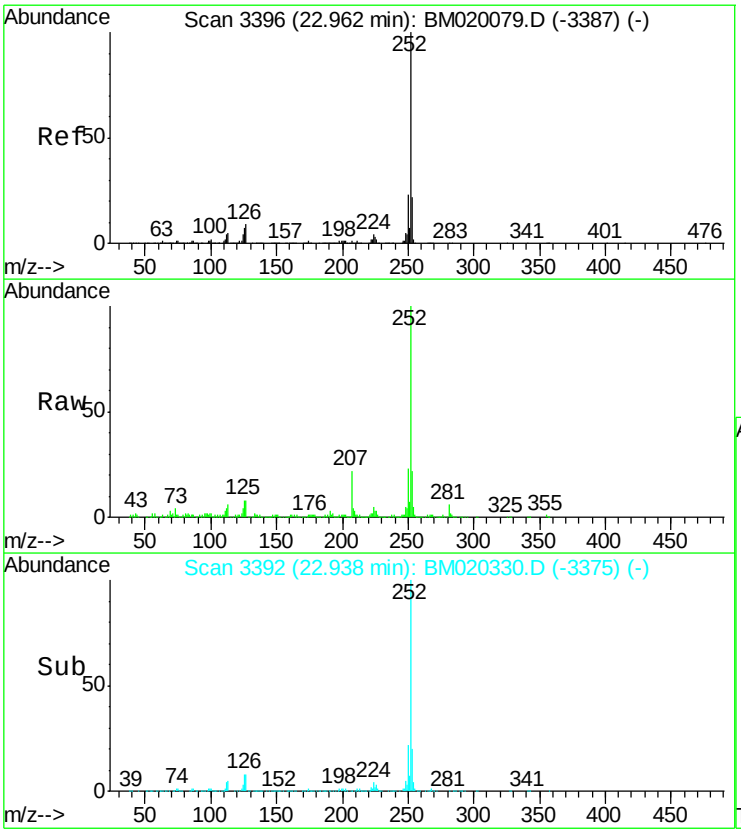
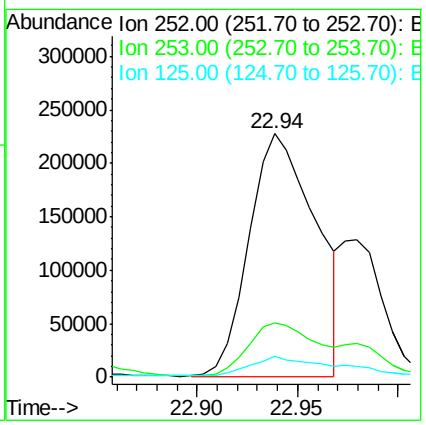


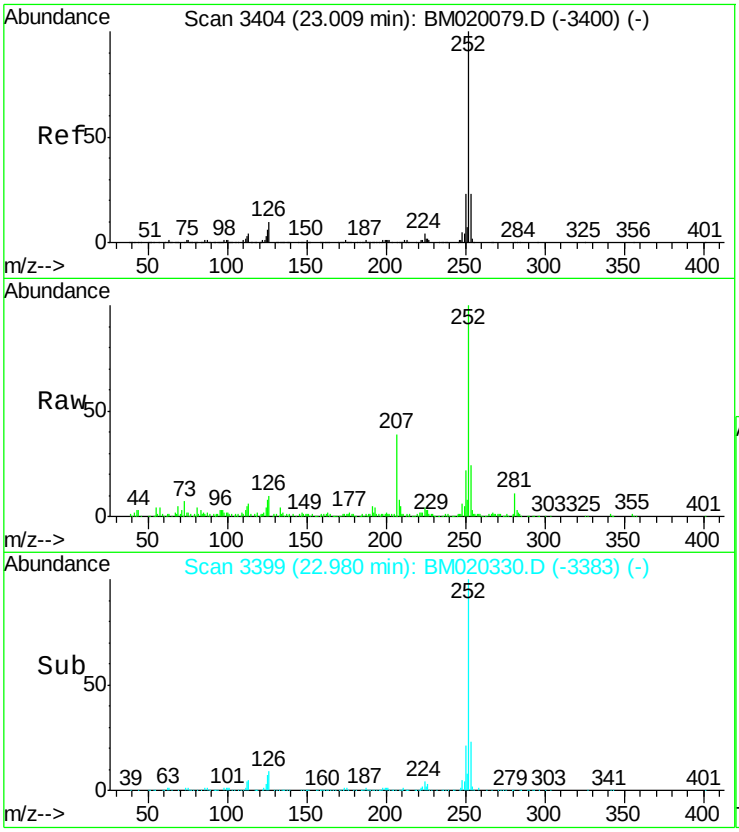


#88
Benzo(b)fluoranthene
Concen: 23.244 ng m
RT: 22.94 min Scan# 3392
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:252 Resp: 527664

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	8.3	5.3	7.9#

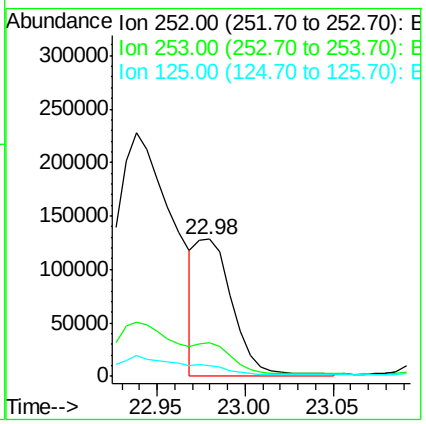




#89
Benzo(k)fluoranthene
Concen: 9.224 ng m
RT: 22.98 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:252 Resp: 191011

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.9	25.3
125	7.9	5.2	7.8#



Instrument :
BNA_M
ClientSampleId :
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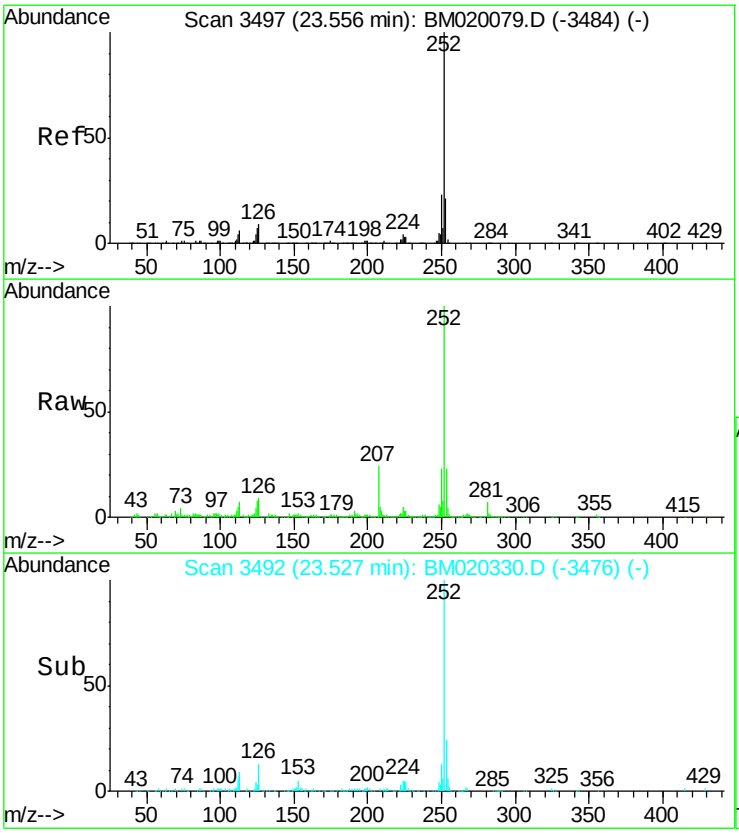
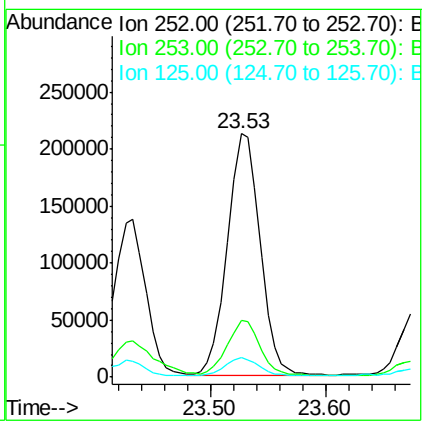
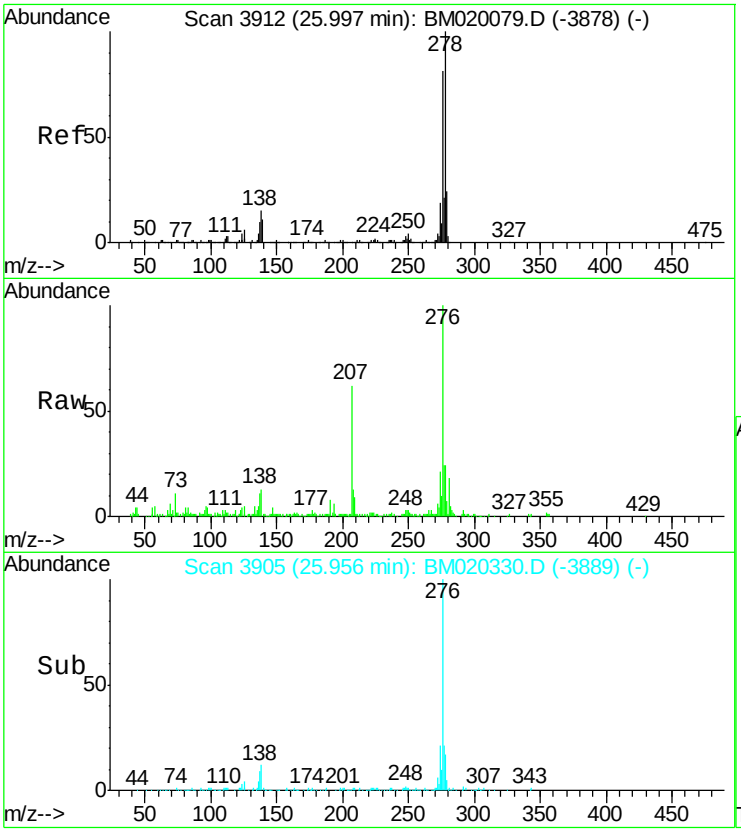


#90
Benzo(a)pyrene
Concen: 20.135 ng
RT: 23.53 min Scan# 3492
Delta R.T. -0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:252 Resp: 415189

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	7.9	6.0	9.0

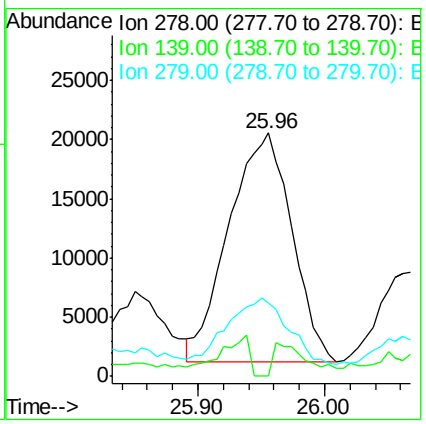




#91
Dibenzo(a,h)anthracene
Concen: 3.099 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.01 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:278 Resp: 66457

Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.6	13.0#
279	29.9	18.8	28.2#



Instrument :
BNA_M
ClientSampleId :
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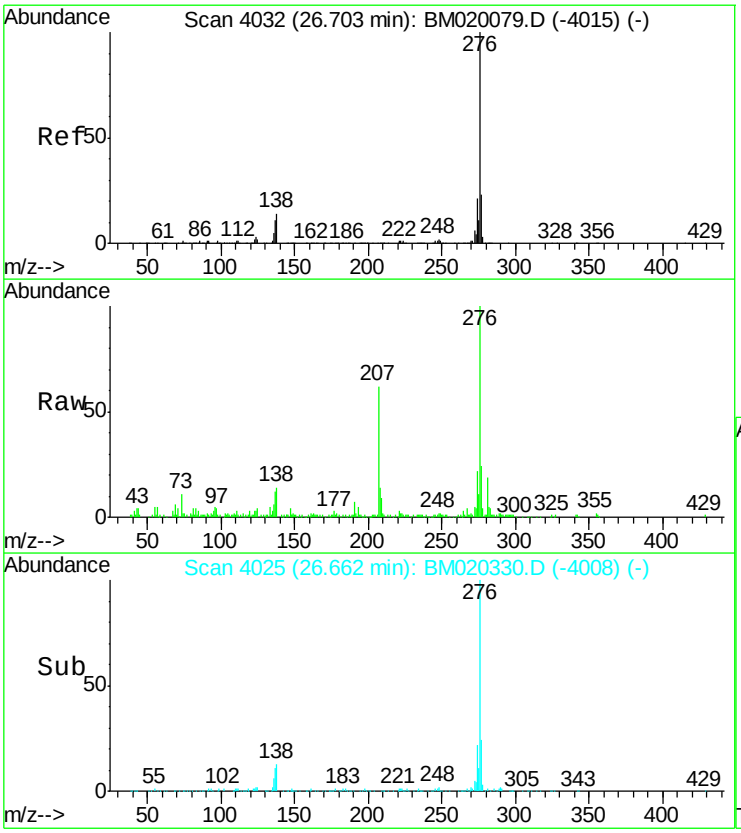

#92
Benzo(g,h,i)perylene
Concen: 13.654 ng
RT: 26.66 min Scan# 4025
Delta R.T. 0.00 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:276 Resp: 277985

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	13.7	11.8	17.8