Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020335.D
Acq On : 14 May 2019 16:40
Operator : JU/SJ
Sample : K2836-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CULVER-CBTC-WC1-051019

Quant Time: May 15 03:48:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	55301	20.00	ng		-0.04
21) Naphthalene-d8	10.55	136	181145	20.00	ng		-0.04
39) Acenaphthene-d10	14.40	164	113511	20.00	ng		-0.03
64) Phenanthrene-d10	17.16	188	277336	20.00	ng		-0.02
76) Chrysene-d12	21.34	240	318881	20.00	ng		-0.02
87) Perylene-d12	23.63	264	390556	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	413161	122.12	ng		-0.03
7) Phenol-d6	6.93	99	519517	112.40	ng		-0.02
23) Nitrobenzene-d5	8.93	82	352921	76.92	ng		-0.03
42) 2,4,6-Tribromophenol	15.90	330	225787	128.15	ng		-0.02
45) 2-Fluorobiphenyl	13.02	172	699859	75.86	ng		-0.04
79) Terphenyl-d14	19.79	244	1233194	67.45	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	10.60	128	45258	4.815	ng		98
50) Dimethylphthalate	13.86	163	95660	9.915	ng		99
52) Acenaphthene	14.47	154	23740	3.468	ng		94
55) Dibenzofuran	14.80	168	31160	2.698	ng		96
58) Fluorene	15.46	166	43631	4.600	ng		100
71) Phenanthrene	17.20	178	311877	20.372	ng		99
72) Anthracene	17.29	178	80820	5.280	ng		99
75) Fluoranthene	19.22	202	398502	20.573	ng		99
78) Pyrene	19.58	202	320411	14.966	ng		99
81) Benzo(a)anthracene	21.33	228	166918	7.464	ng		98
83) Chrysene	21.39	228	164124	7.567	ng		97
86) Indeno(1,2,3-cd)pyrene	25.94	276	107998	4.186	ng	#	100
88) Benzo(b)fluoranthene	22.94	252	313673	12.162	ng	#	98
89) Benzo(k)fluoranthene	22.94	252	312300	13.275	ng	#	98
90) Benzo(a)pyrene	23.53	252	144581	6.172	ng	#	94
92) Benzo(g,h,i)perylene	26.67	276	103122	4.458	ng		95

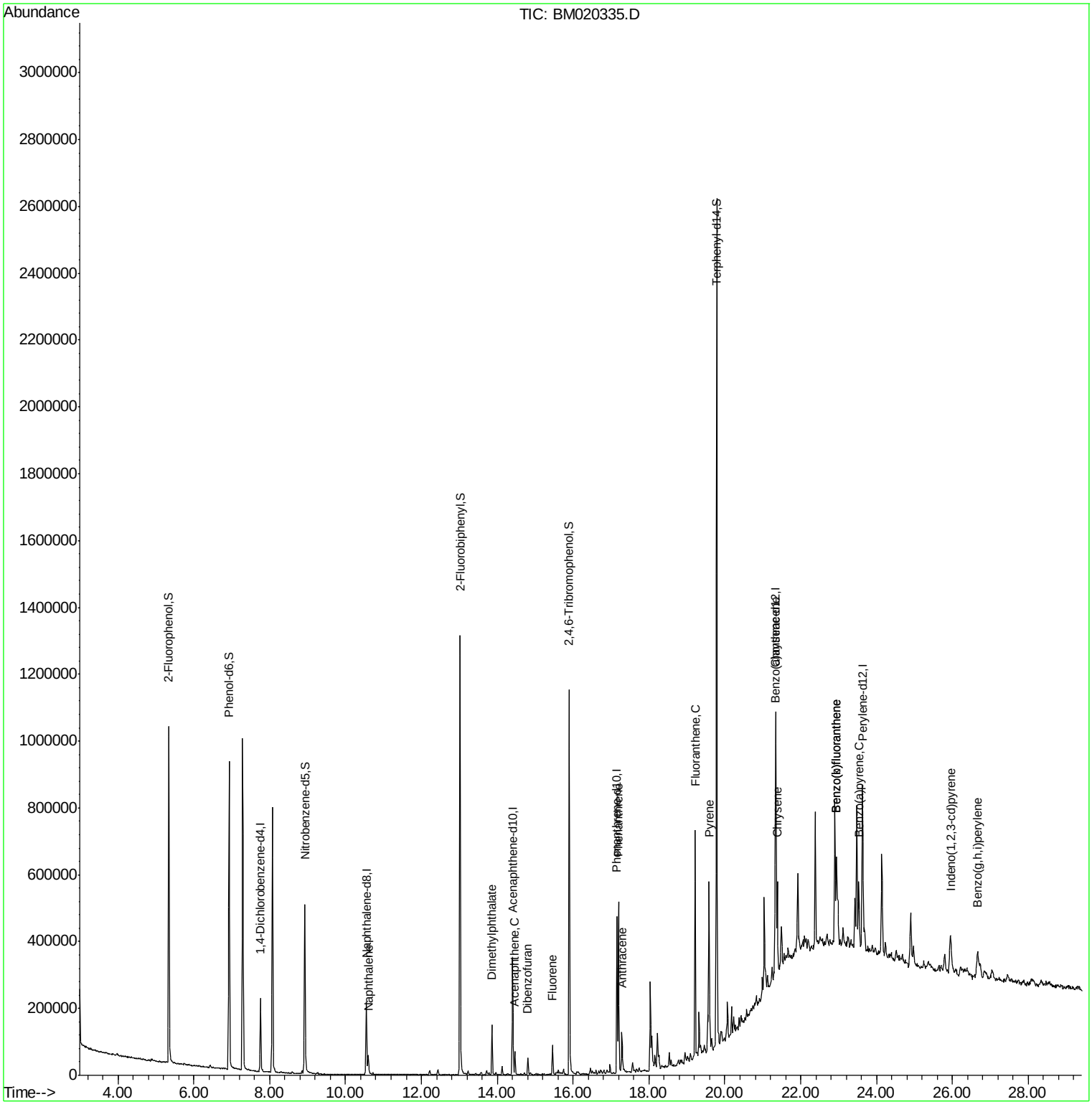
(#) = qualifier out of range (m) = manual integration (+) = signals summed

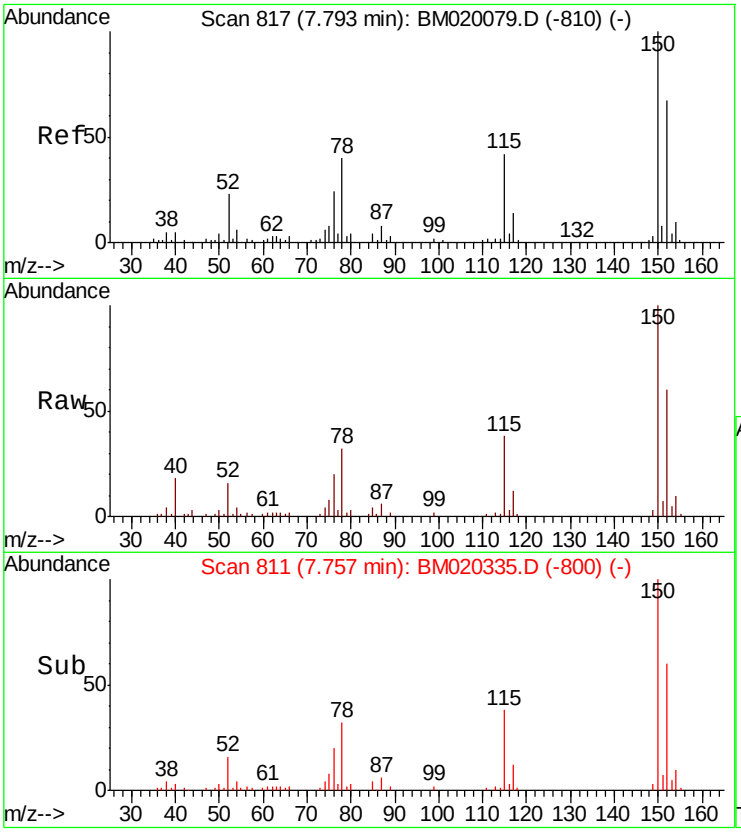
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051419\
Data File : BM020335.D
Acq On : 14 May 2019 16:40
Operator : JU/SJ
Sample : K2836-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Quant Time: May 15 03:48:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration



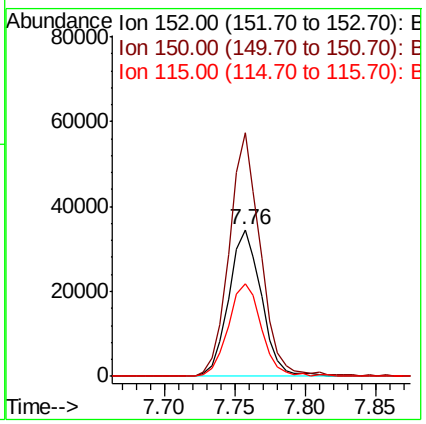


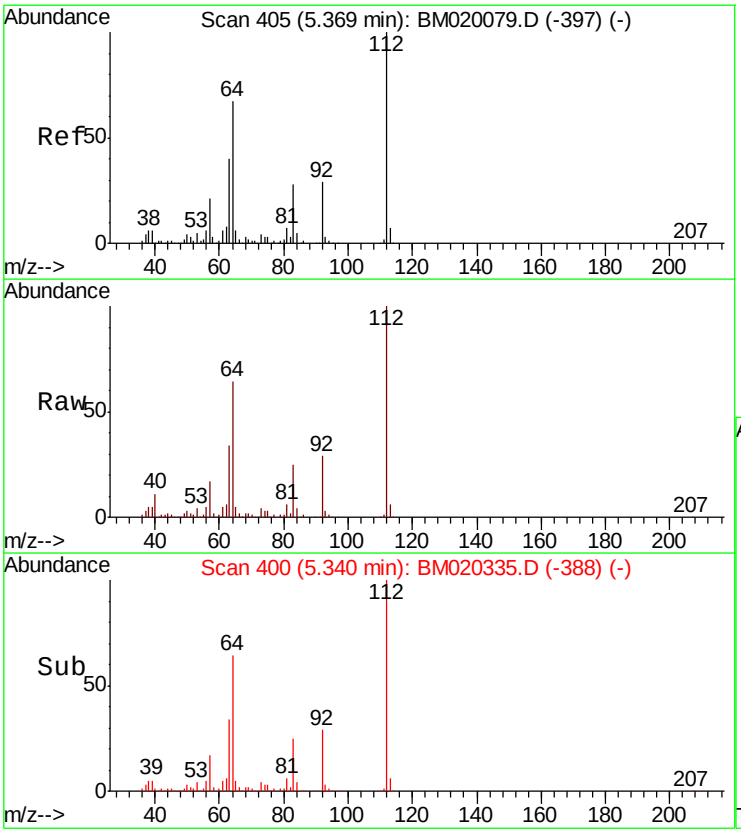
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:152 Resp: 55301

Ion	Ratio	Lower	Upper
152	100		
150	166.3	119.8	179.8
115	63.1	50.8	76.2

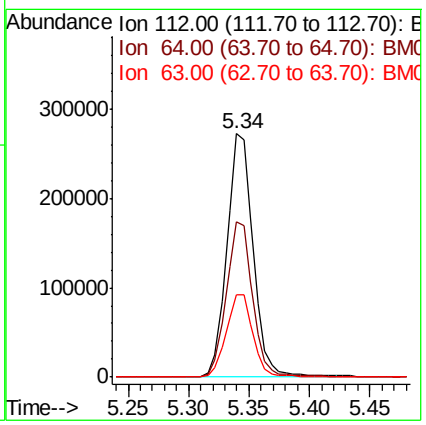


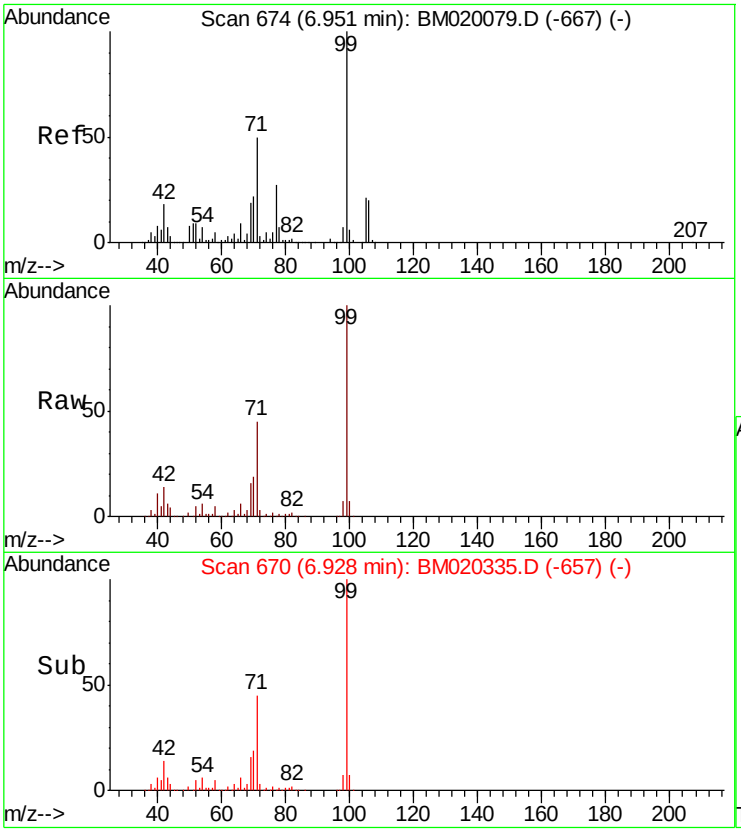


#5
2-Fluorophenol
Concen: 122.123 ng
RT: 5.34 min Scan# 400
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:112 Resp: 413161

Ion	Ratio	Lower	Upper
112	100		
64	63.7	53.8	80.6
63	33.7	32.3	48.5



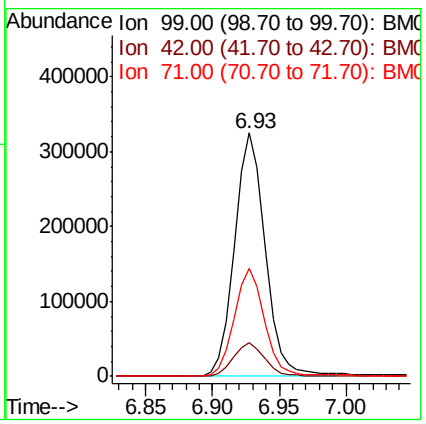


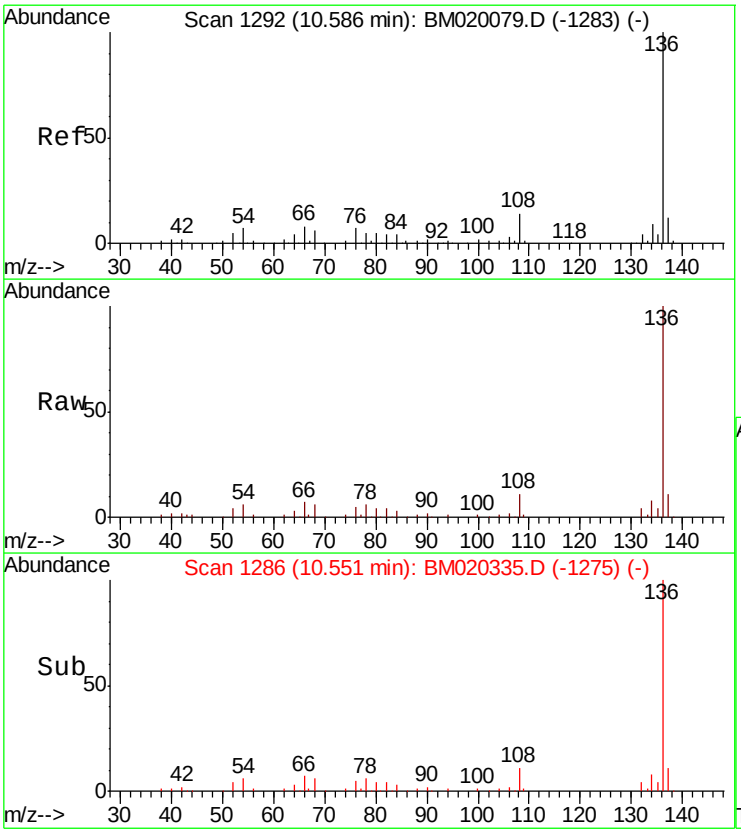
#7
Phenol-d6
Concen: 112.404 ng
RT: 6.93 min Scan# 670
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion: 99 Resp: 519517

Ion	Ratio	Lower	Upper
99	100		
42	13.6	14.2	21.2#
71	44.6	40.3	60.5

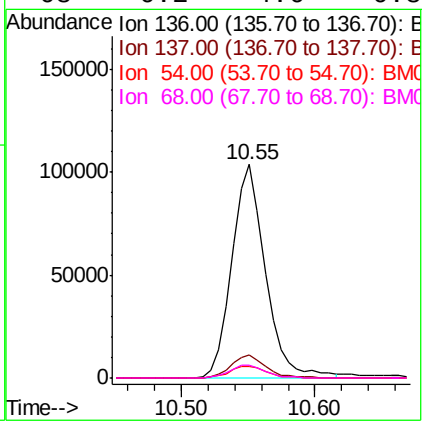


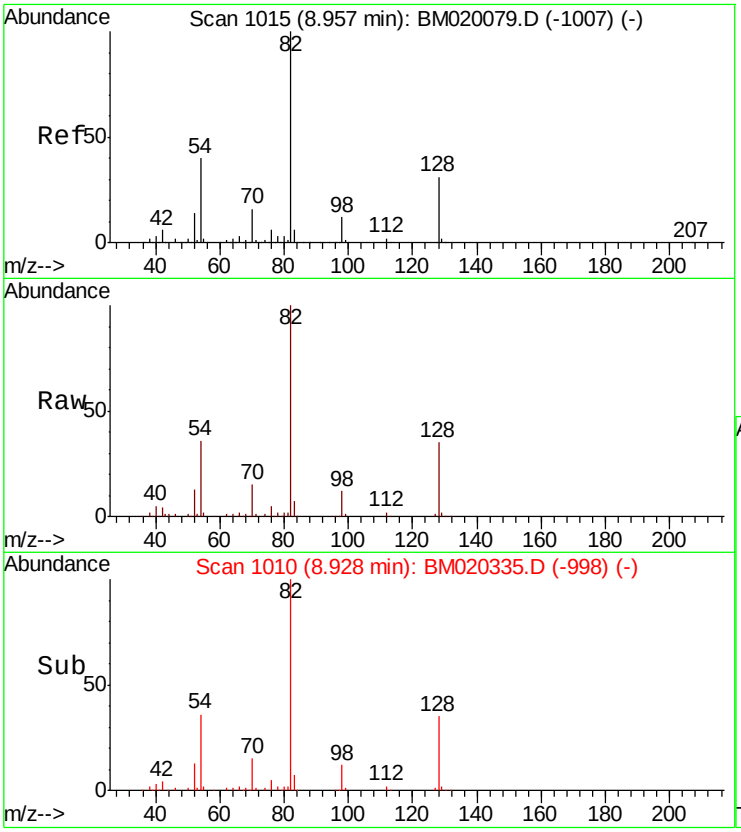


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1286
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:136 Resp: 181145

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	5.6	5.5	8.3
68	6.2	4.6	6.8



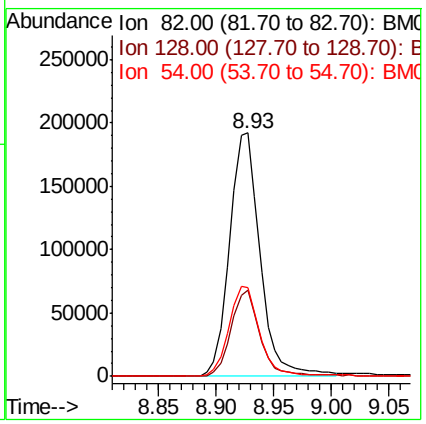


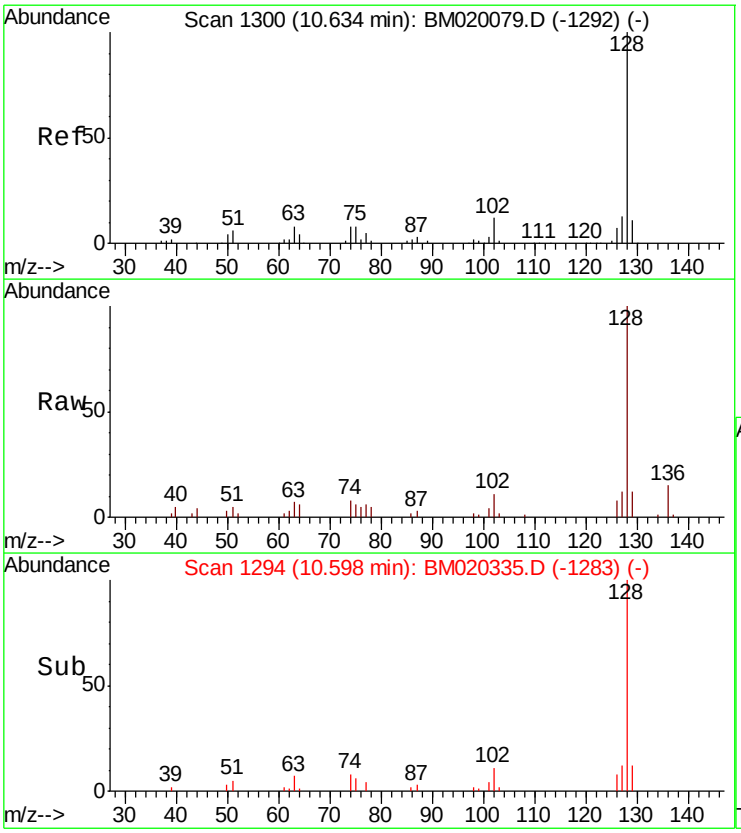
#23
Nitrobenzene-d5
Concen: 76.918 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion: 82 Resp: 352921

Ion	Ratio	Lower	Upper
82	100		
128	35.4	25.2	37.8
54	36.3	31.9	47.9

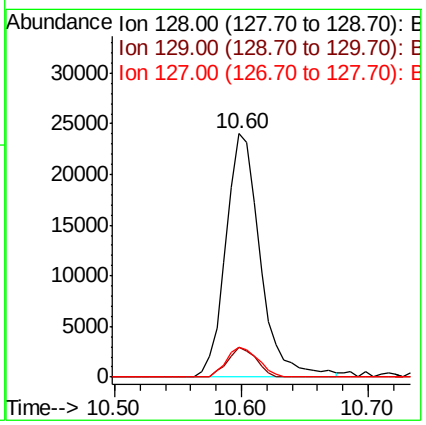


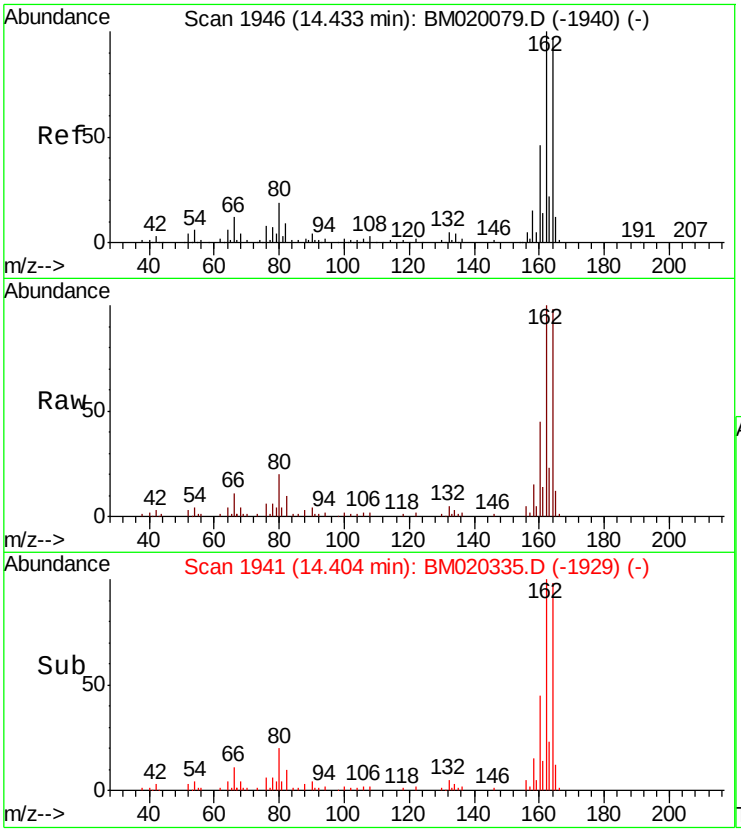


#31
Naphthalene
Concen: 4.815 ng
RT: 10.60 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:128 Resp: 45258

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.4
127	12.3	10.4	15.6



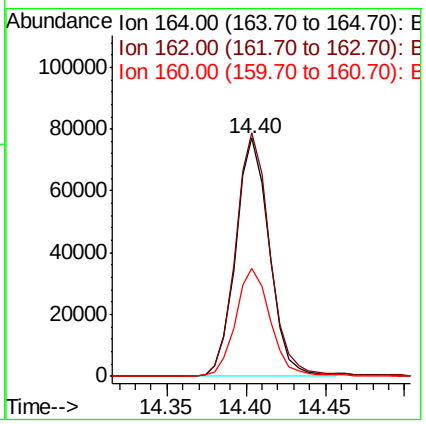


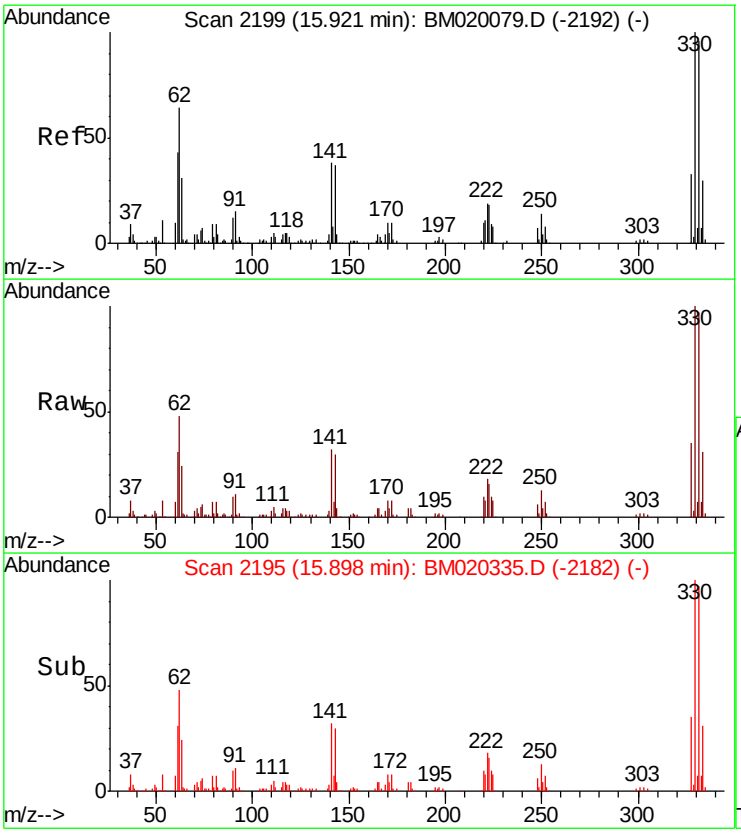
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:164 Resp: 113511

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	45.5	37.6	56.4

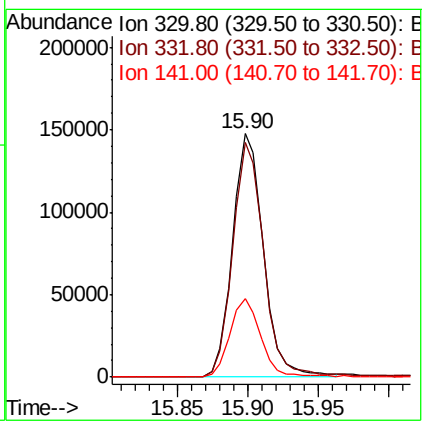


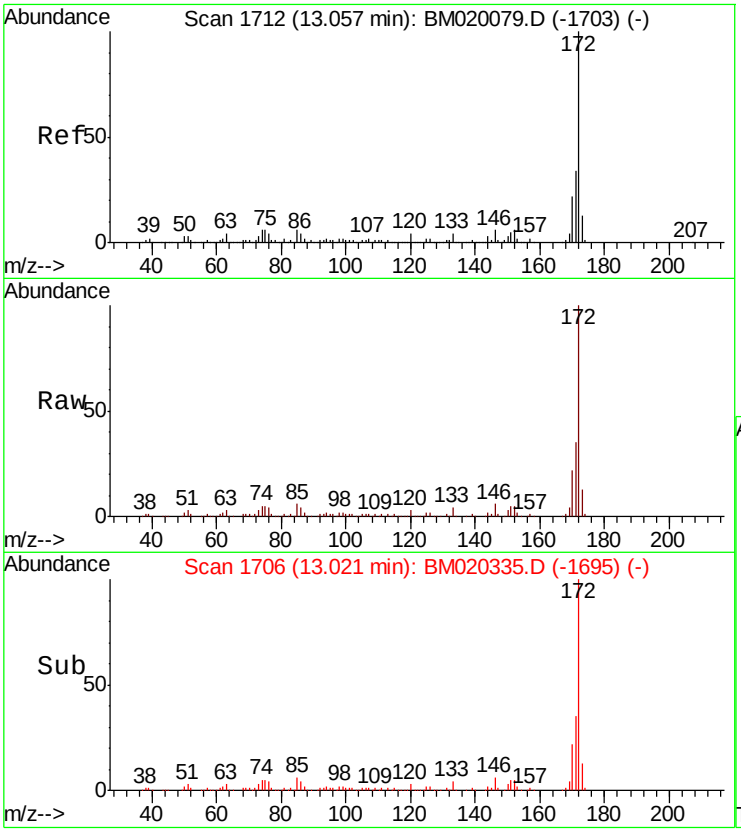


#42
2,4,6-Tribromophenol
Concen: 128.149 ng
RT: 15.90 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:330 Resp: 225787

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	32.3	29.2	43.8



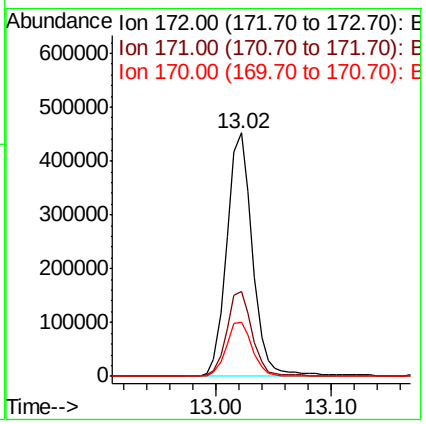


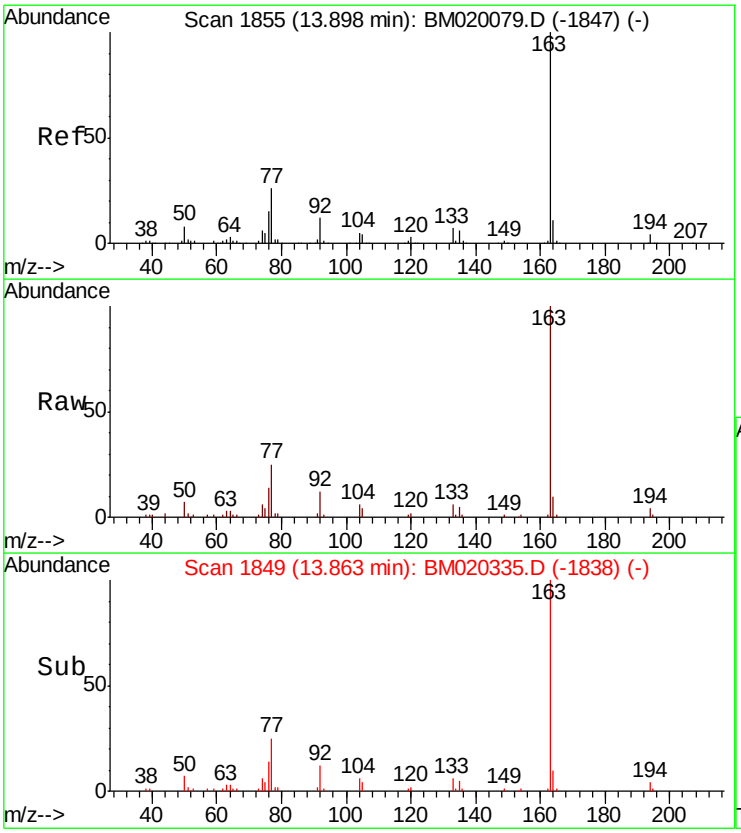
#45
2-Fluorobiphenyl
Concen: 75.859 ng
RT: 13.02 min Scan# 1706
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:172 Resp: 699859

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.3	40.9
170	22.2	17.9	26.9

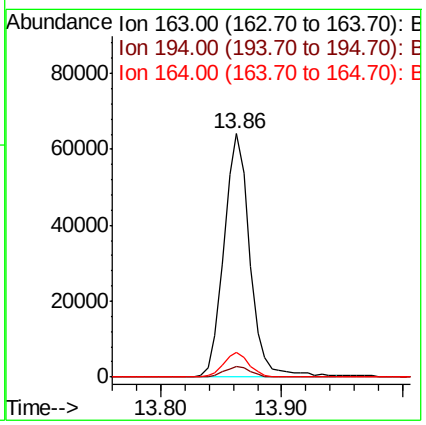


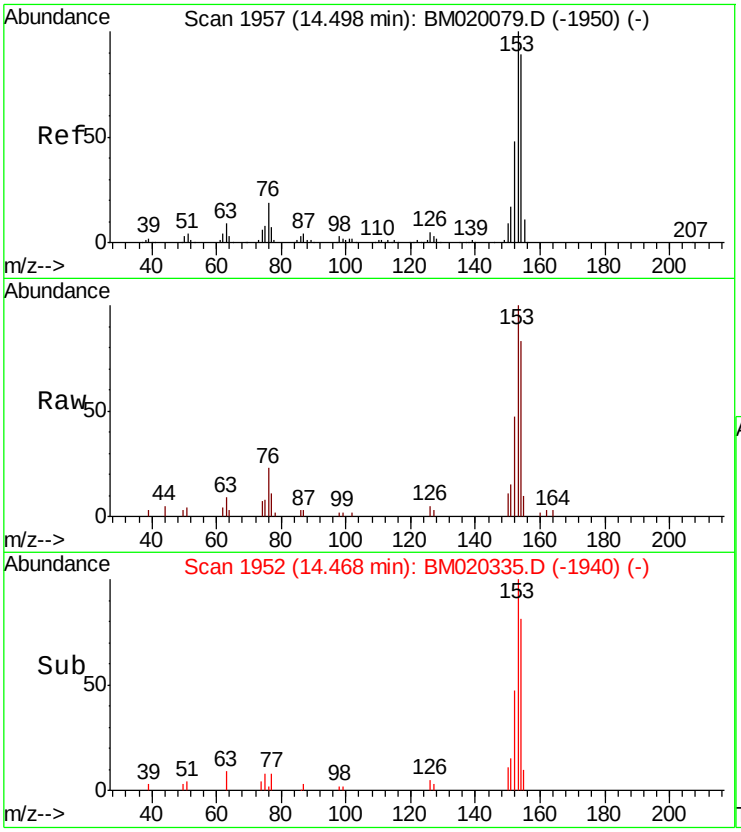


#50
Dimethylphthalate
Concen: 9.915 ng
RT: 13.86 min Scan# 1849
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:163 Resp: 95660

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.0	8.4	12.6



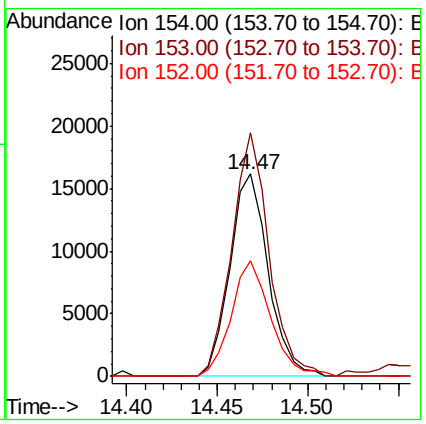


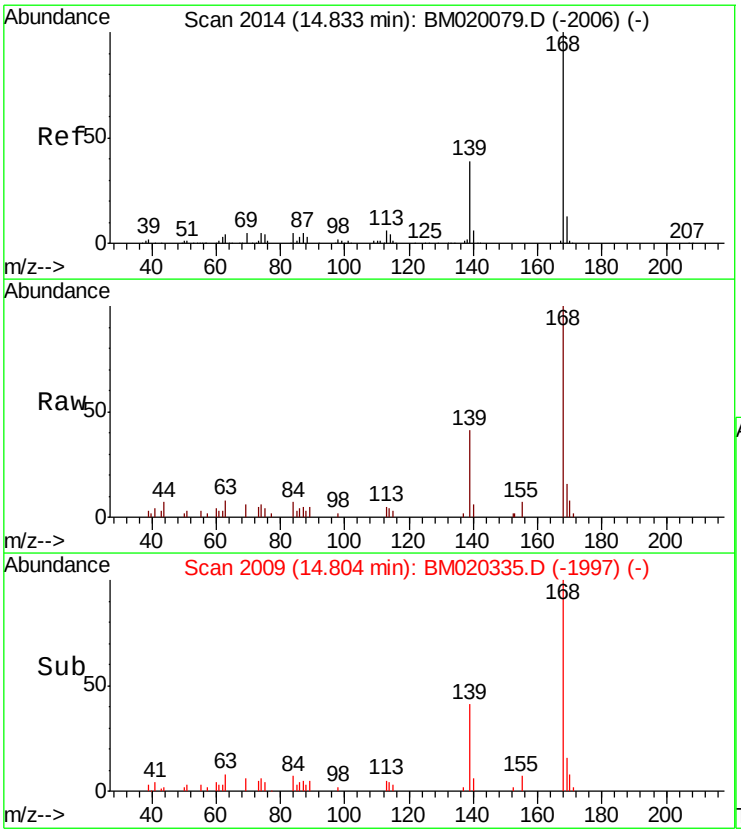
#52
Acenaphthene
Concen: 3.468 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:154 Resp: 23740

Ion	Ratio	Lower	Upper
154	100		
153	120.3	90.2	135.2
152	57.0	43.0	64.4

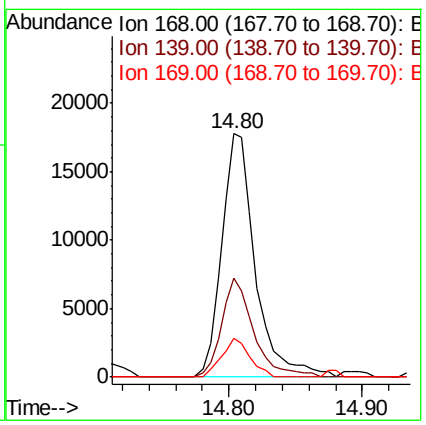


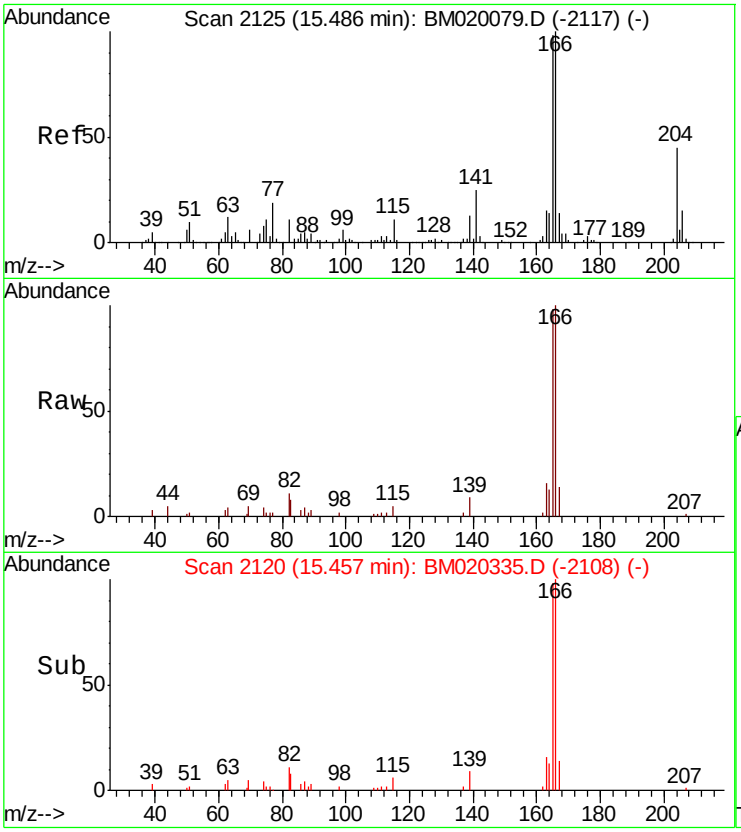


#55
Dibenzofuran
Concen: 2.698 ng
RT: 14.80 min Scan# 2009
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:168 Resp: 31160

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.1	46.7
169	15.7	10.6	16.0



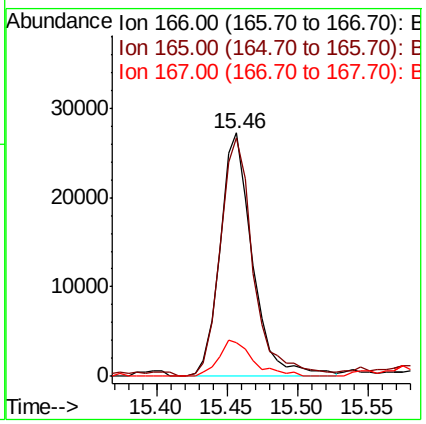


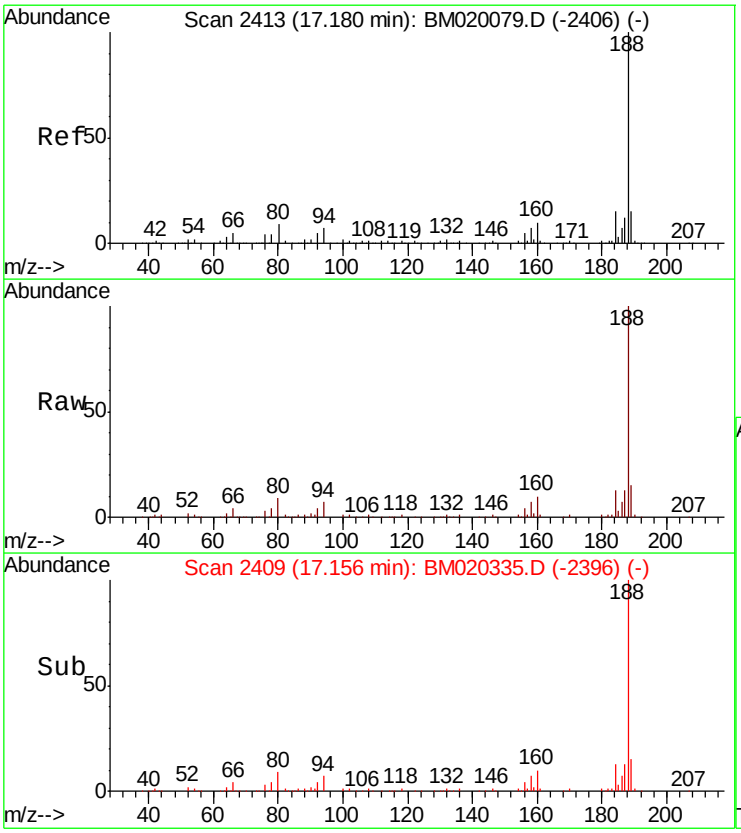
#58
Fluorene
Concen: 4.600 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:166 Resp: 43631

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.2	117.2
167	13.9	11.0	16.4

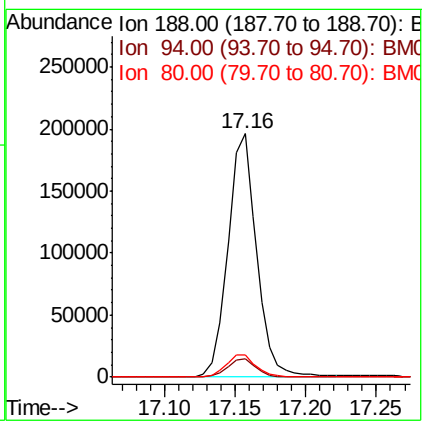


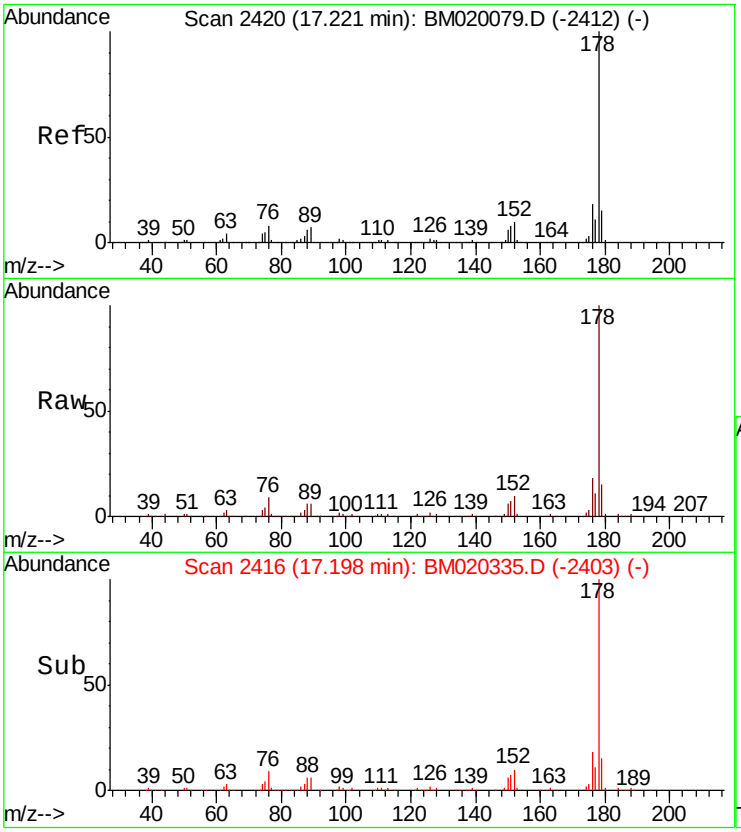


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:188 Resp: 277336

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	9.0	7.4	11.2



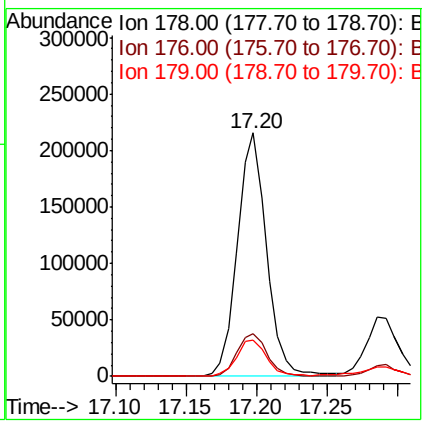


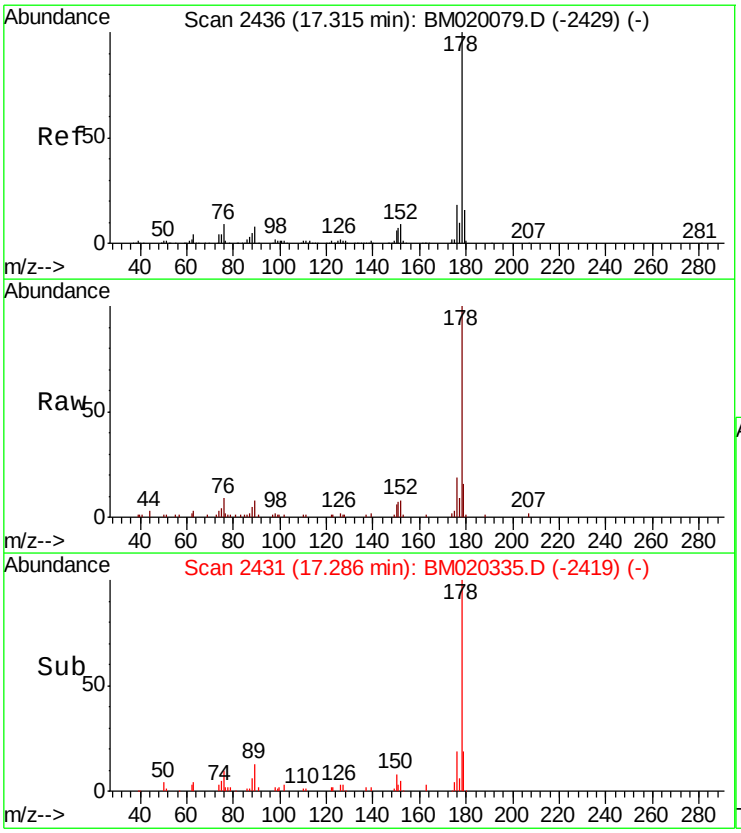
#71
Phenanthrene
Concen: 20.372 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:178 Resp: 311877

Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.6	21.8
179	15.1	12.4	18.6

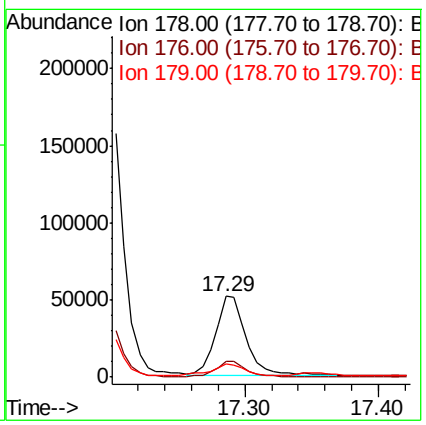


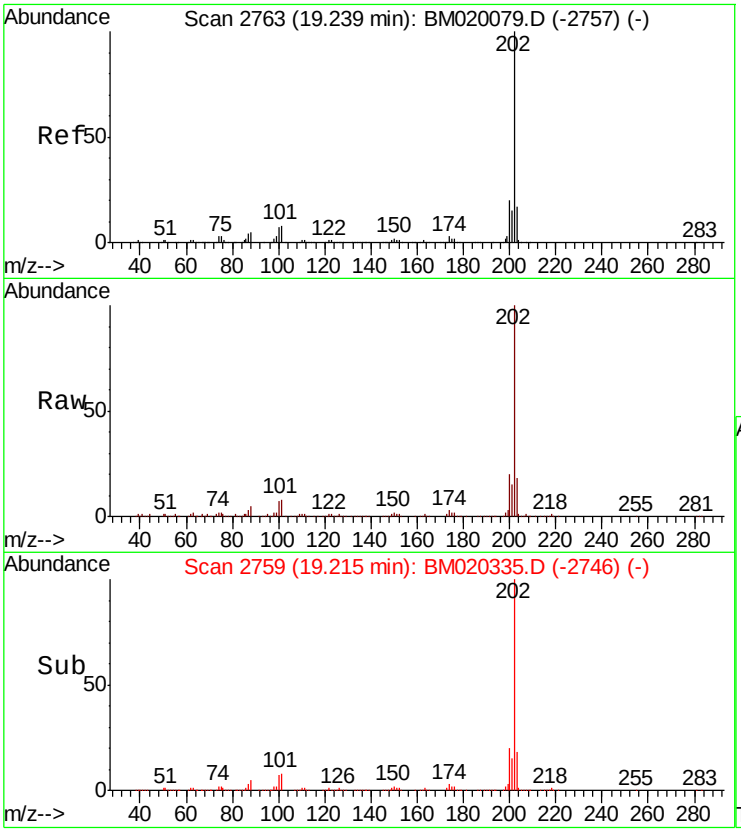


#72
Anthracene
Concen: 5.280 ng
RT: 17.29 min Scan# 2431
Delta R.T. -0.03 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:178 Resp: 80820

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	16.0	12.4	18.6



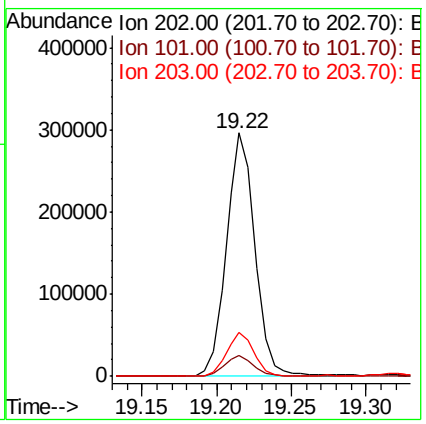


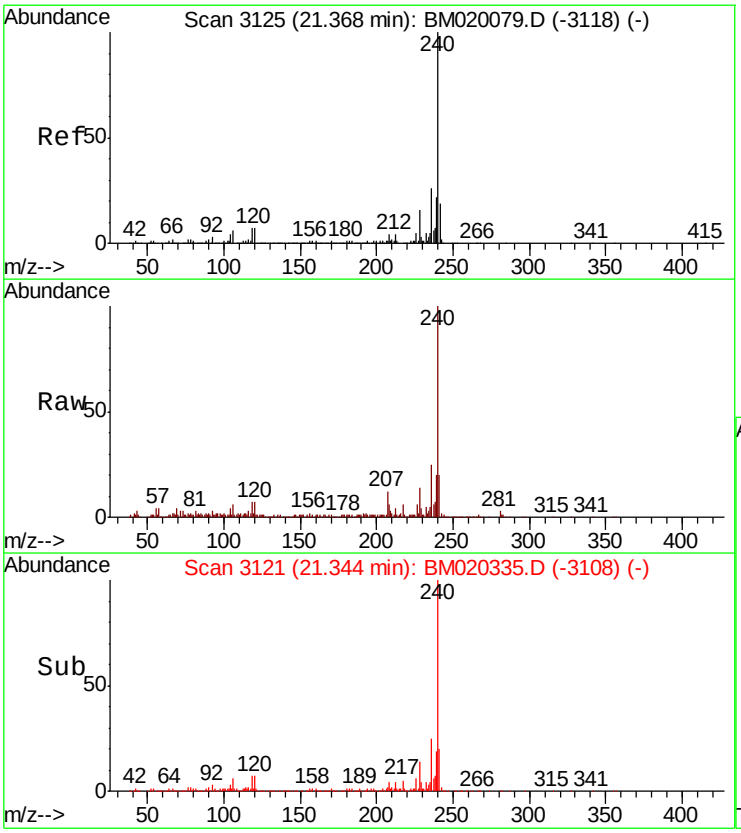
#75
Fluoranthene
Concen: 20.573 ng
RT: 19.22 min Scan# 2759
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:202 Resp: 398502

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	18.1	0.0	37.4

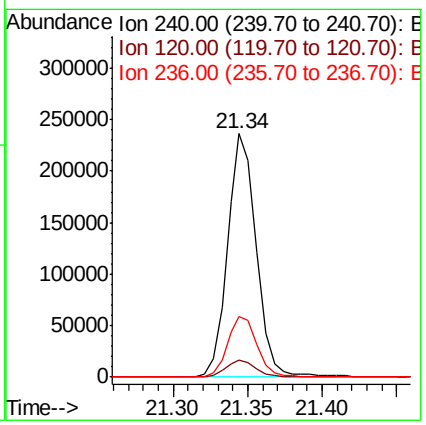


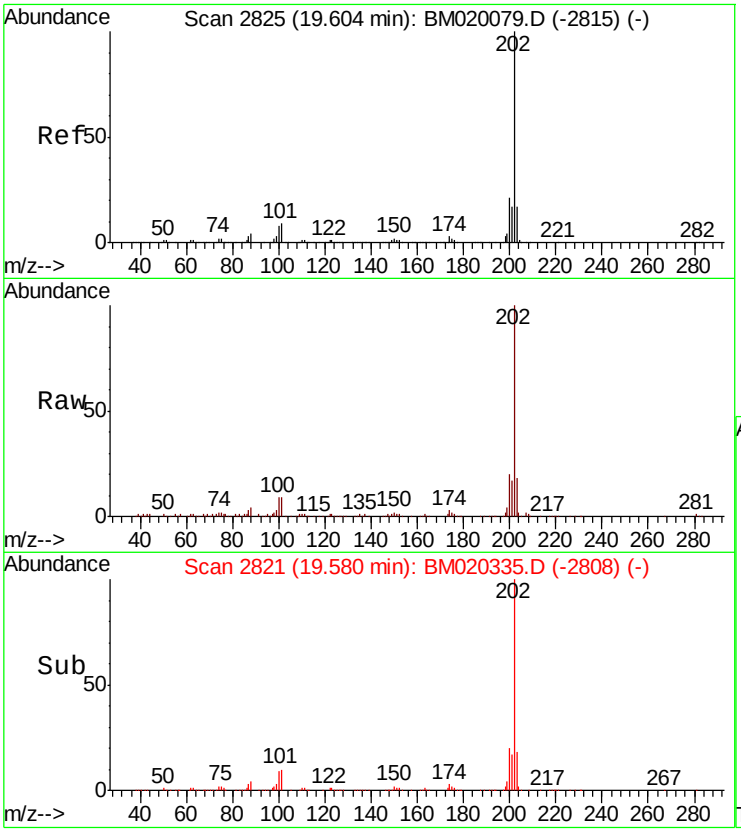


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:240 Resp: 318881

Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.6	8.4
236	24.8	20.9	31.3



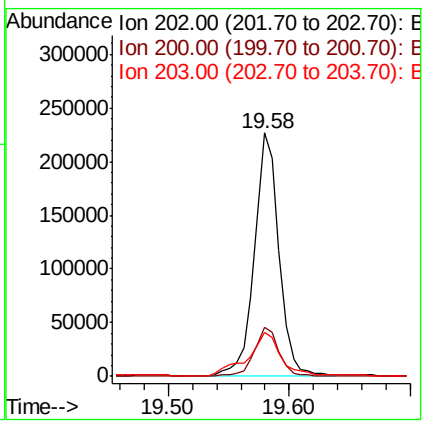


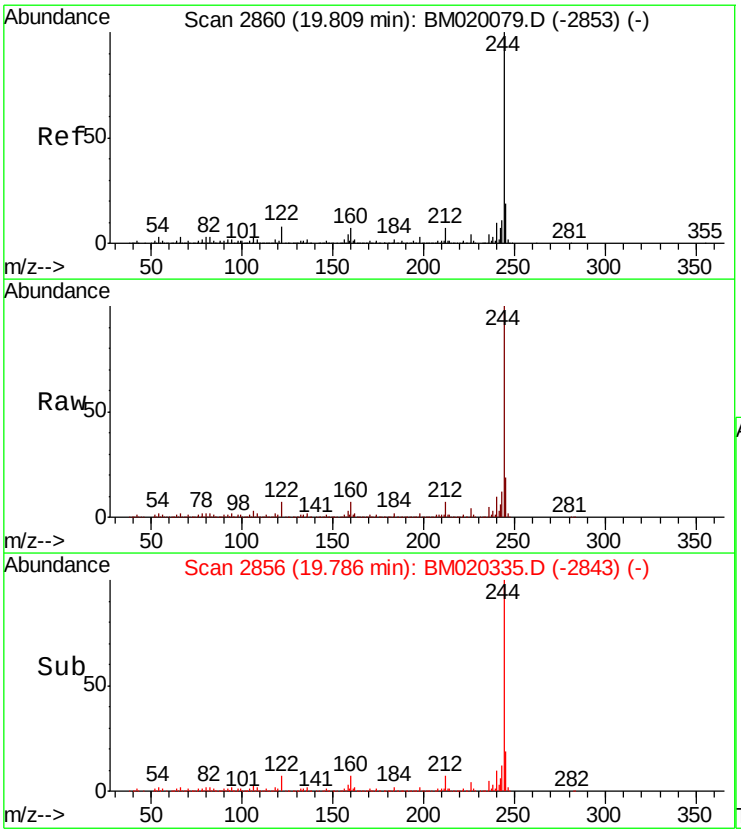
#78
Pyrene
Concen: 14.966 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:202 Resp: 320411

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.9	13.9	20.9

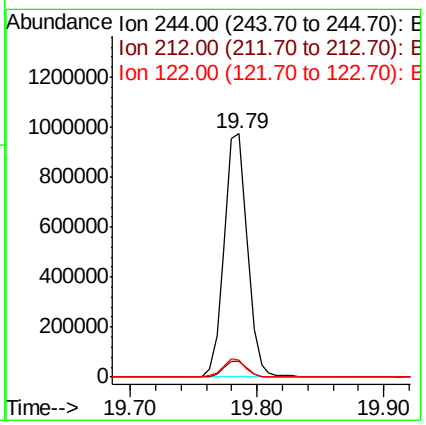


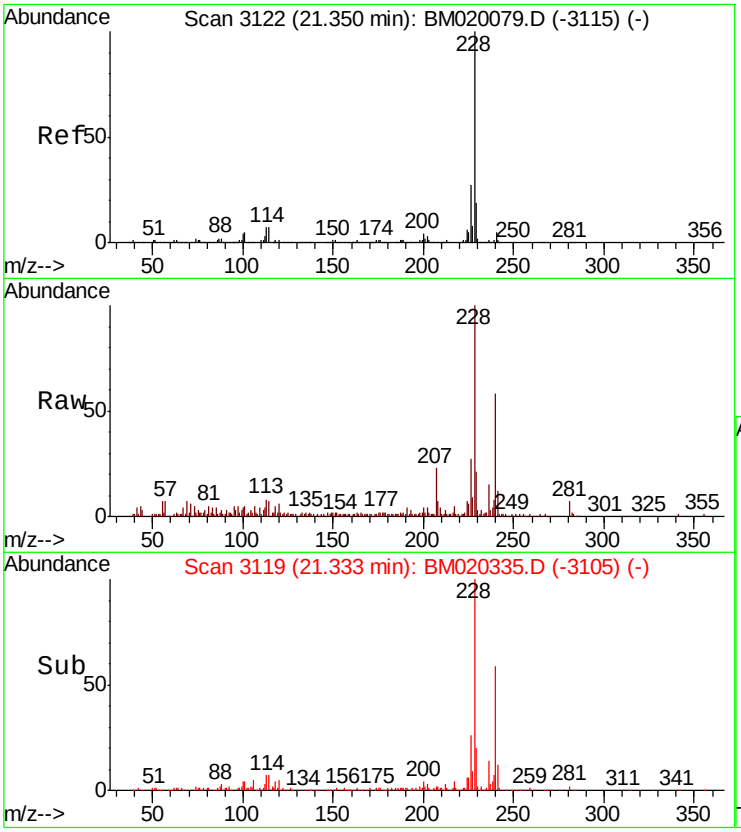


#79
Terphenyl-d14
Concen: 67.453 ng
RT: 19.79 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:244 Resp: 1233194

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.1	6.2	9.2



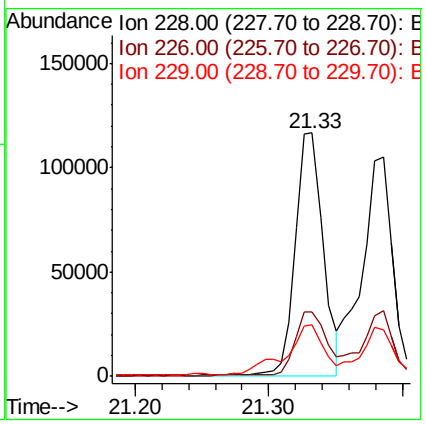


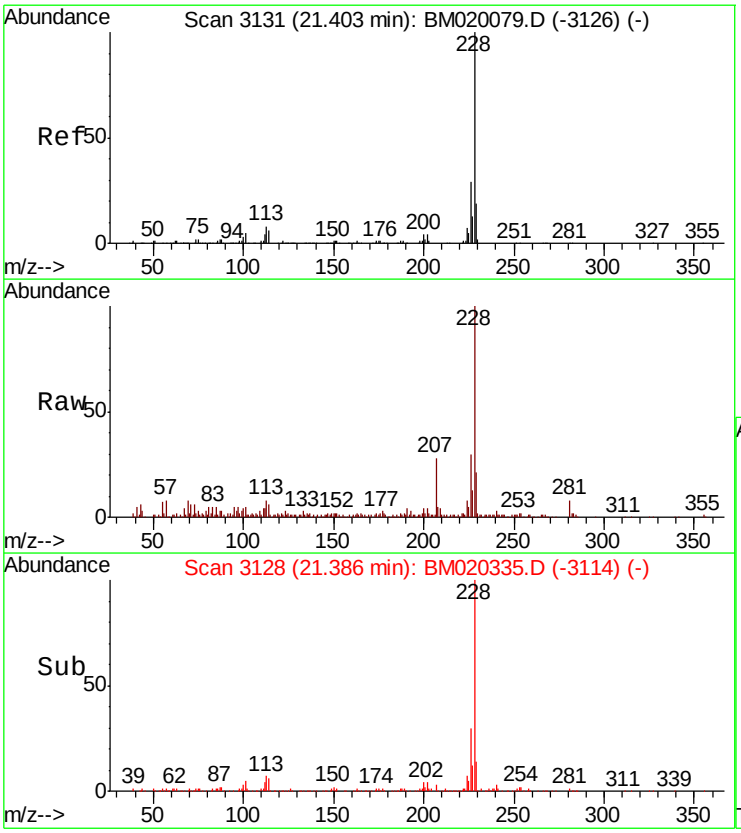
#81
Benzo(a)anthracene
Concen: 7.464 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:228 Resp: 166918

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	21.0	15.5	23.3

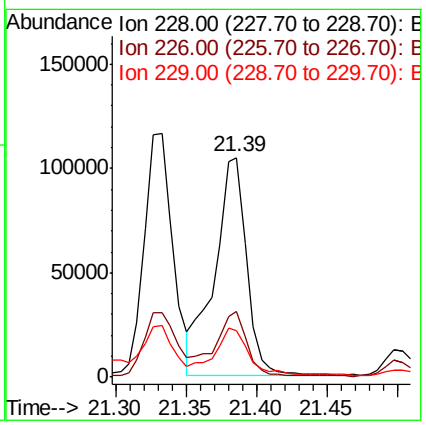


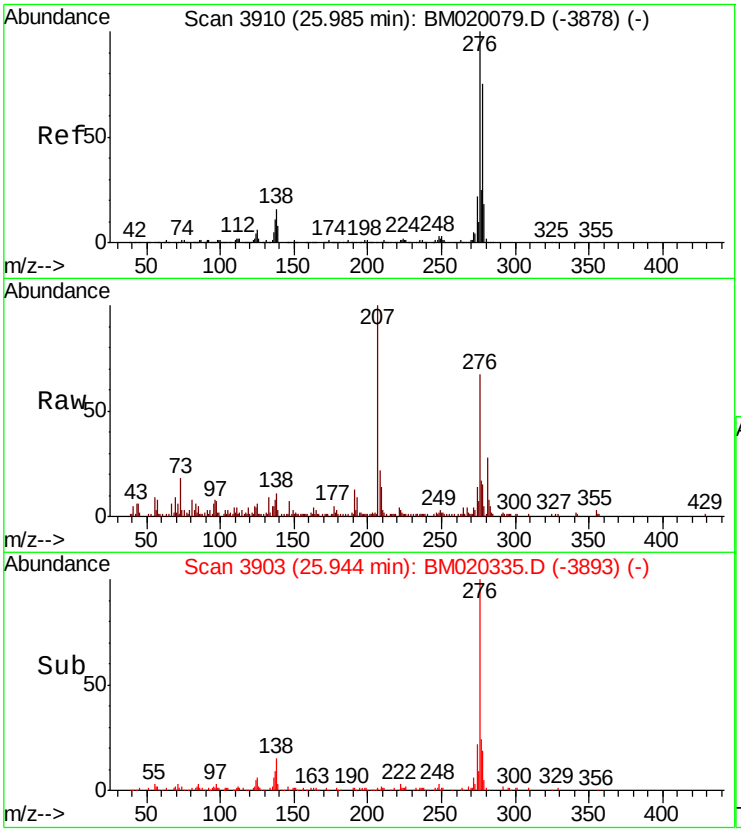


#83
Chrysene
Concen: 7.567 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:228 Resp: 164124

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.0	34.6
229	21.3	15.5	23.3



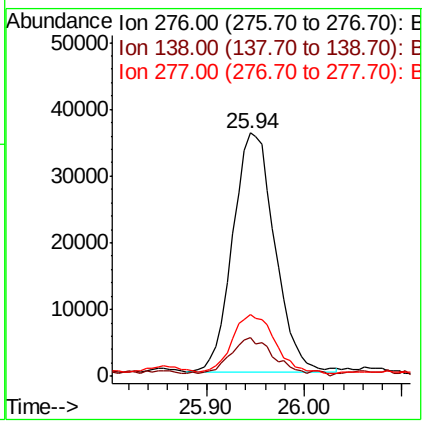


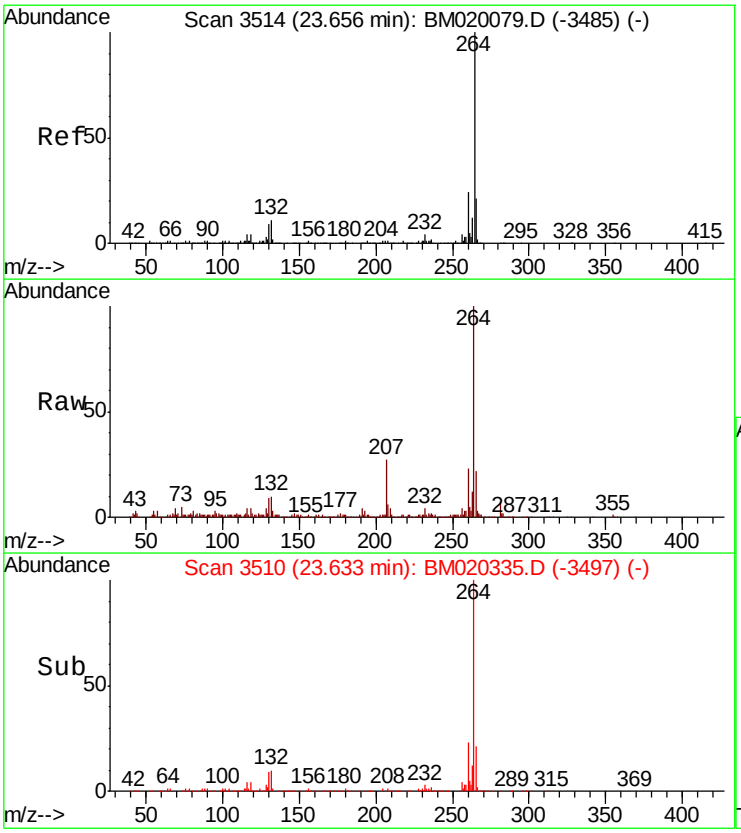
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.186 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:276 Resp: 107998

Ion	Ratio	Lower	Upper
276	100		
138	14.8	0.0	0.0#
277	25.3	0.0	0.0#

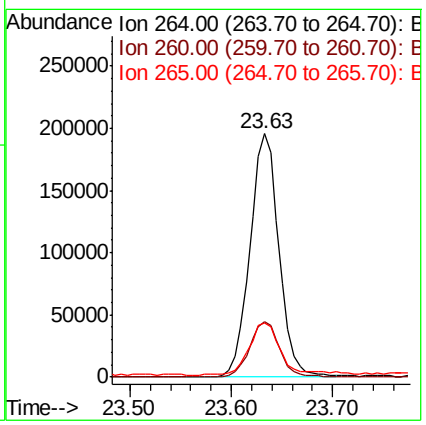


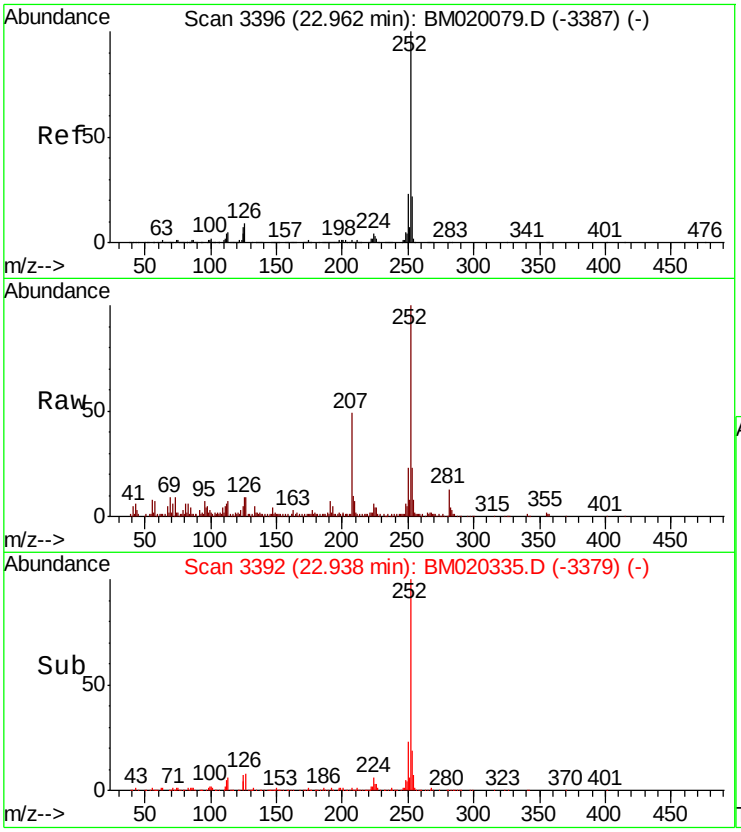


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:264 Resp: 390556

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.3	16.9	25.3



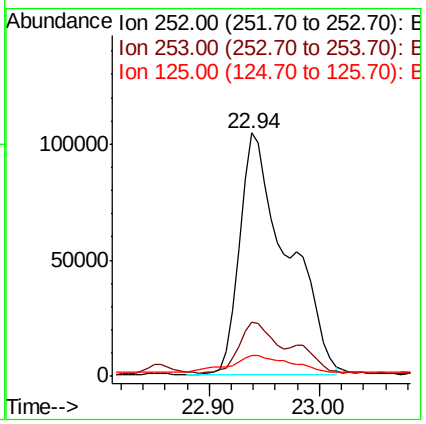


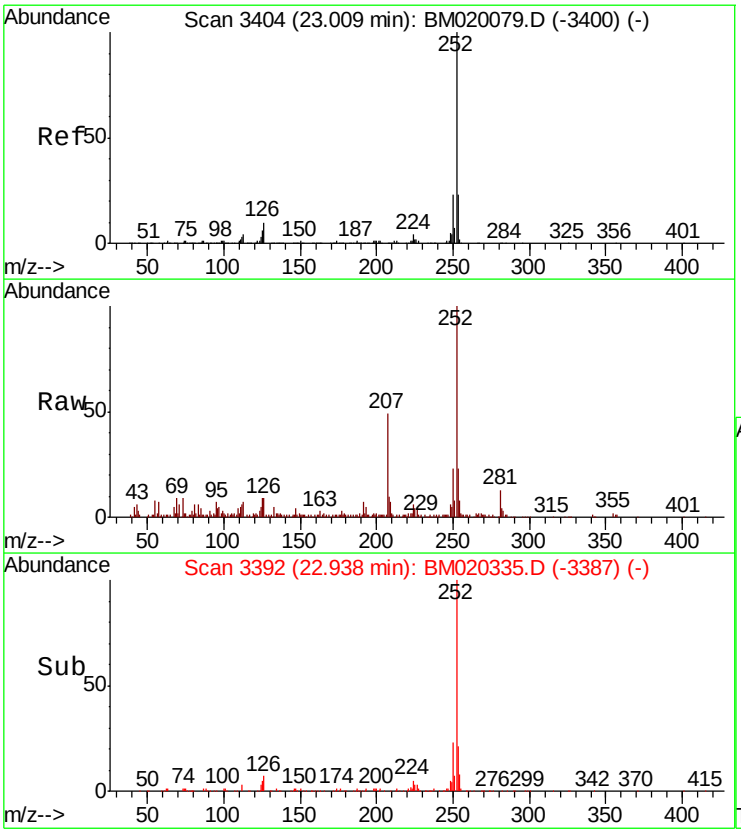
#88
Benzo(b)fluoranthene
Concen: 12.162 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:252 Resp: 313673

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.6	5.4	8.2#

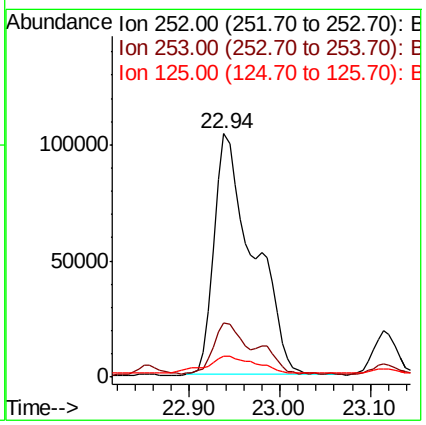


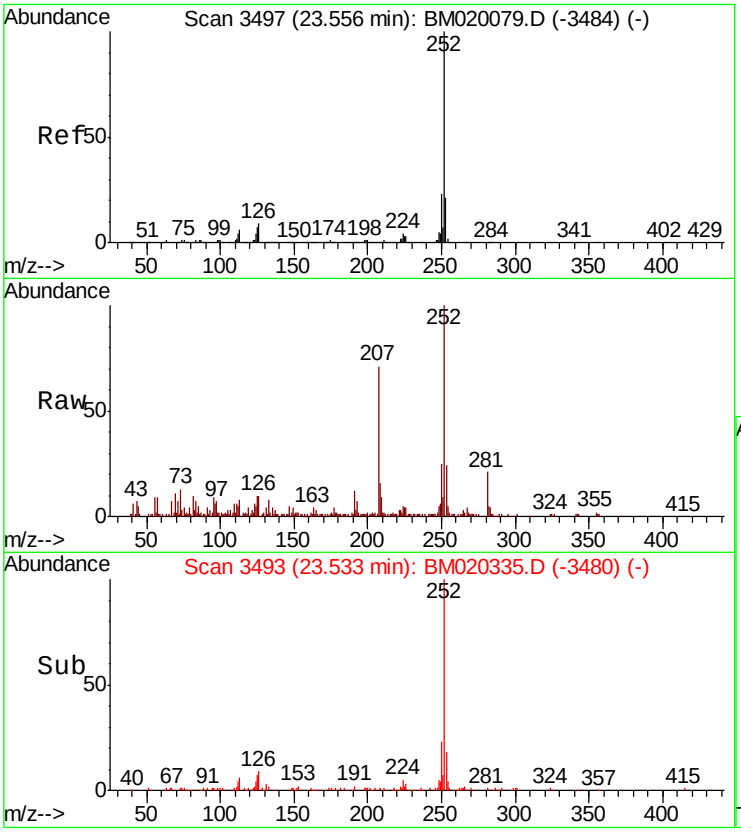


#89
Benzo(k)fluoranthene
Concen: 13.275 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.07 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:252 Resp: 312300

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	8.6	5.4	8.0#



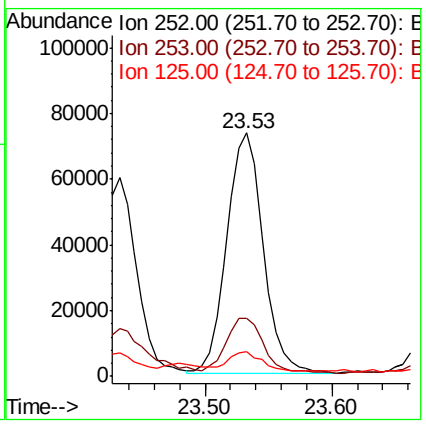


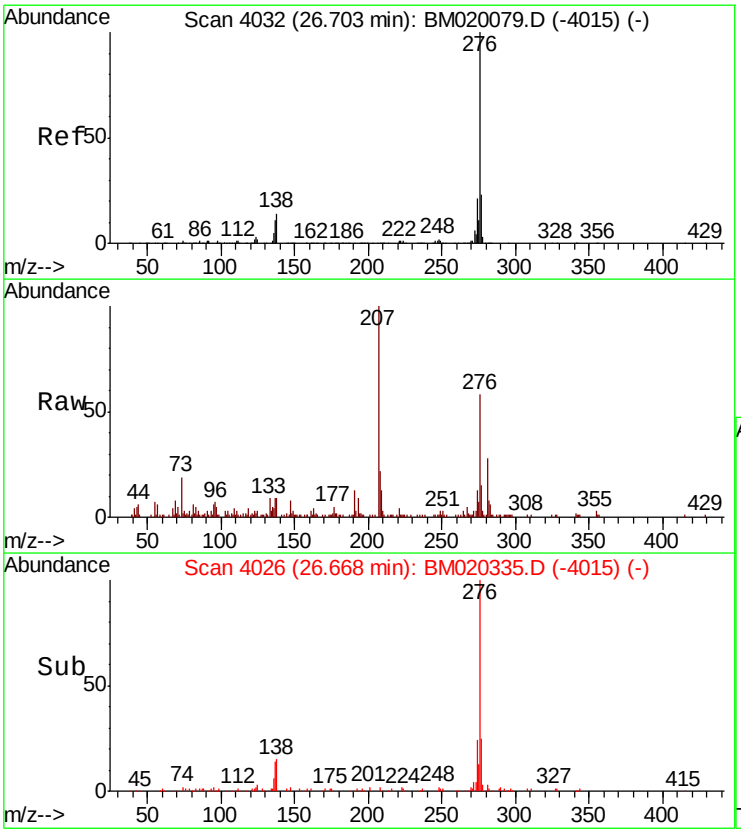
#90
Benzo(a)pyrene
Concen: 6.172 ng
RT: 23.53 min Scan# 3493
Delta R.T. -0.02 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Instrument :
BNA_M
ClientSampleId :
CULVER-CBTC-WC1-051019

Tgt Ion:252 Resp: 144581

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.6
125	10.0	5.5	8.3#





#92
Benzo(g,h,i)perylene
Concen: 4.458 ng
RT: 26.67 min Scan# 4026
Delta R.T. -0.04 min
Lab File: BM020335.D
Acq: 14 May 2019 16:40

Tgt Ion:276 Resp: 103122

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.4	27.6
138	16.0	11.1	16.7