Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
Data File : BM020203.D
Acq On : 08 May 2019 20:10
Operator : JU/SJ
Sample : K2641-07 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CL-02-050719-D

Quant Time: May 09 02:08:28 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	7.79	152	149858	20.00	ng		0.00
21) Naphthalene-d8	10.58	136	523117	20.00	ng		0.00
39) Acenaphthene-d10	14.43	164	311631	20.00	ng		0.00
64) Phenanthrene-d10	17.18	188	720010	20.00	ng		0.00
76) Chrysene-d12	21.36	240	762148	20.00	ng		0.00
87) Perylene-d12	23.66	264	892633	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	494503	53.94	ng		0.00
7) Phenol-d6	6.95	99	669191	53.43	ng		0.00
23) Nitrobenzene-d5	8.95	82	478299	36.10	ng		0.00
42) 2,4,6-Tribromophenol	15.92	330	277371	57.34	ng		0.00
45) 2-Fluorobiphenyl	13.05	172	891151	35.18	ng		-0.01
79) Terphenyl-d14	19.80	244	1417820	32.45	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.63	128	55542	2.046	ng		97
38) 1-Methylnaphthalene	12.46	142	46858	2.421	ng	#	92
49) Acenaphthylene	14.15	152	155720	4.751	ng		98
50) Dimethylphthalate	13.89	163	103250	3.898	ng		98
52) Acenaphthene	14.49	154	118830	6.322	ng		99
55) Dibenzofuran	14.83	168	130055	4.102	ng		96
58) Fluorene	15.48	166	205973	7.911	ng		98
71) Phenanthrene	17.22	178	1499487	37.728	ng		100
72) Anthracene	17.31	178	583671	14.688	ng		99
73) Carbazole	17.59	167	101128	2.820	ng		99
75) Fluoranthene	19.24	202	2792889	55.538	ng		99
78) Pyrene	19.60	202	2534881	49.539	ng		99
81) Benzo(a)anthracene	21.35	228	1478008	27.652	ng		97
83) Chrysene	21.40	228	1153838	22.259	ng		97
86) Indeno(1,2,3-cd)pyrene	25.99	276	776886	12.600	ng	#	100
88) Benzo(b)fluoranthene	22.97	252	2164755	36.725	ng		97
89) Benzo(k)fluoranthene	22.97	252	2143771	39.870	ng		98
90) Benzo(a)pyrene	23.56	252	1261399	23.560	ng		96
91) Dibenzo(a,h)anthracene	25.99	278	213167	3.828	ng	#	83
92) Benzo(g,h,i)perylene	26.71	276	723045	13.678	ng		96

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

Quantitation Report (Not Reviewed)

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CL-02-050719-D

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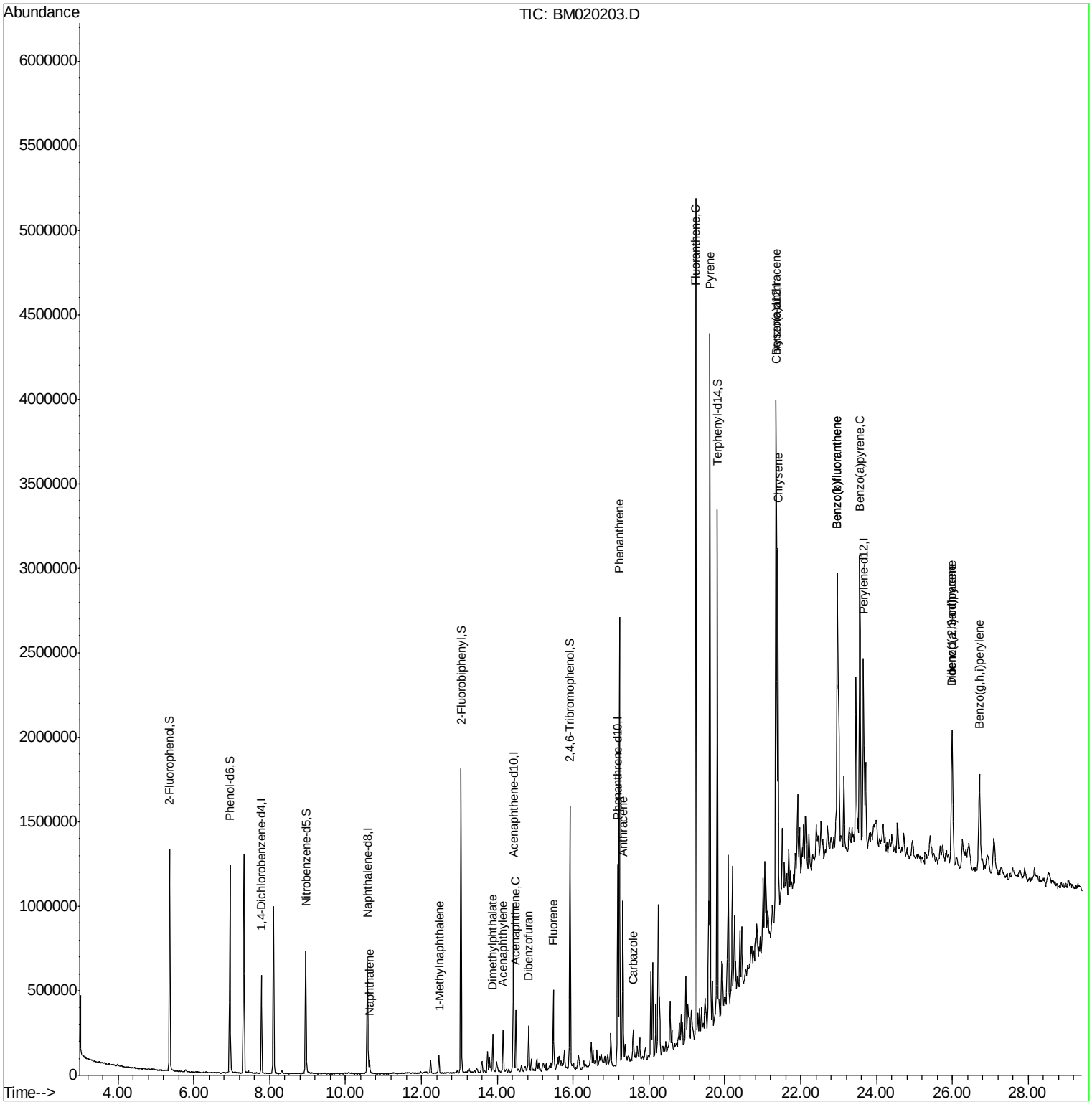
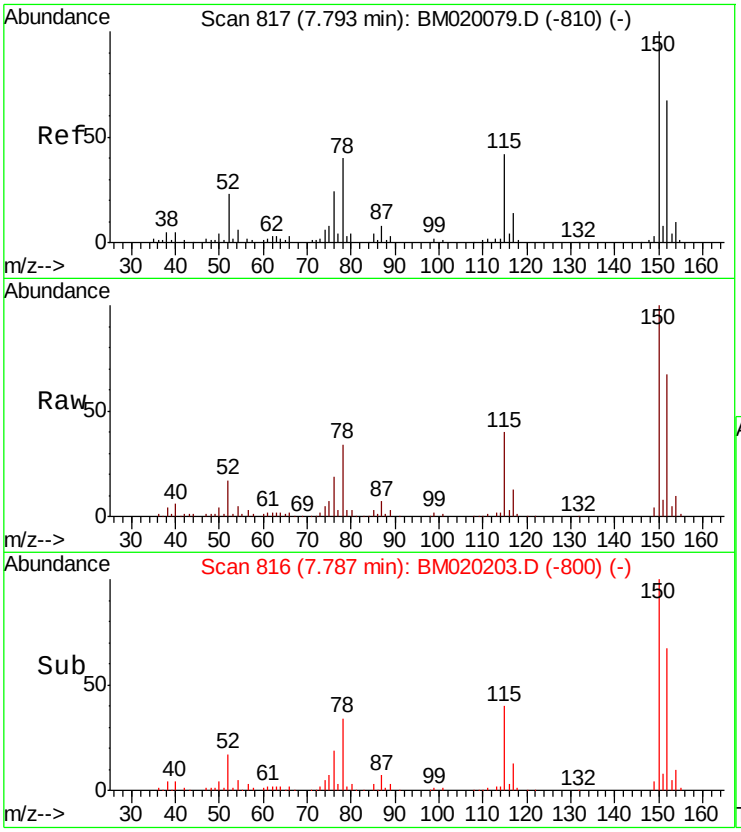


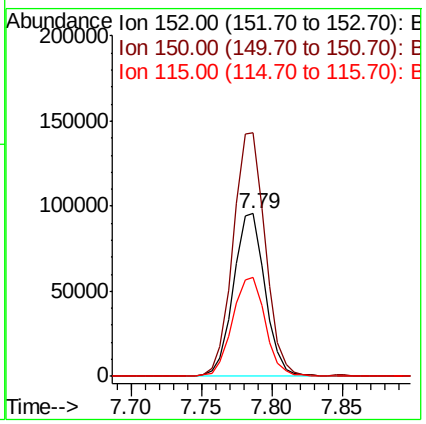


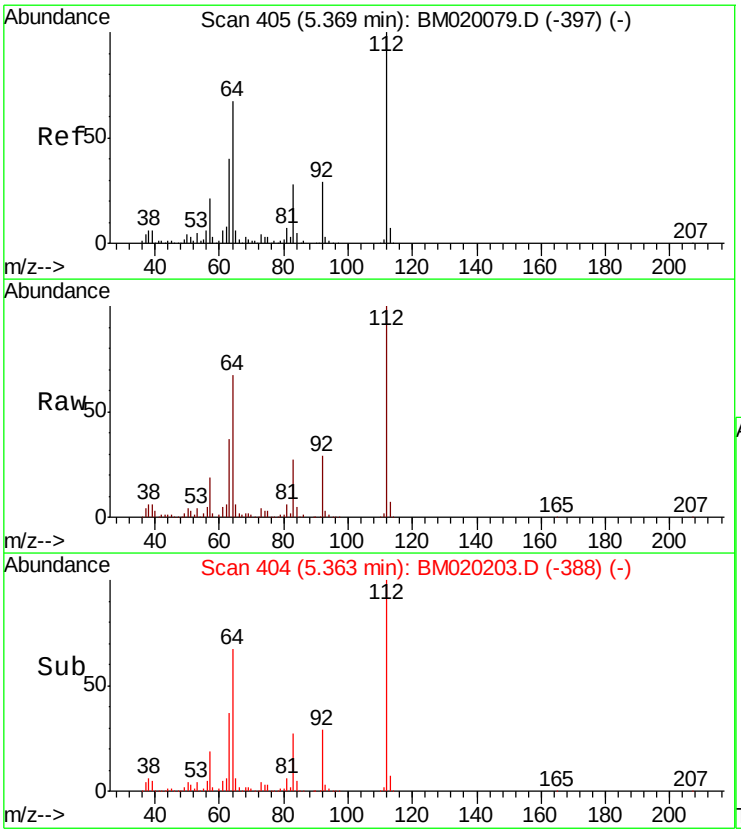
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:152 Resp: 149858

Ion	Ratio	Lower	Upper
152	100		
150	149.6	119.8	179.8
115	60.5	50.8	76.2

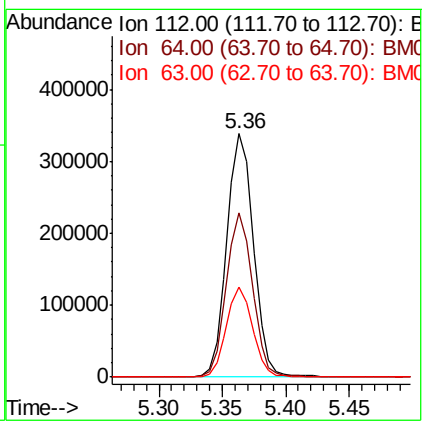


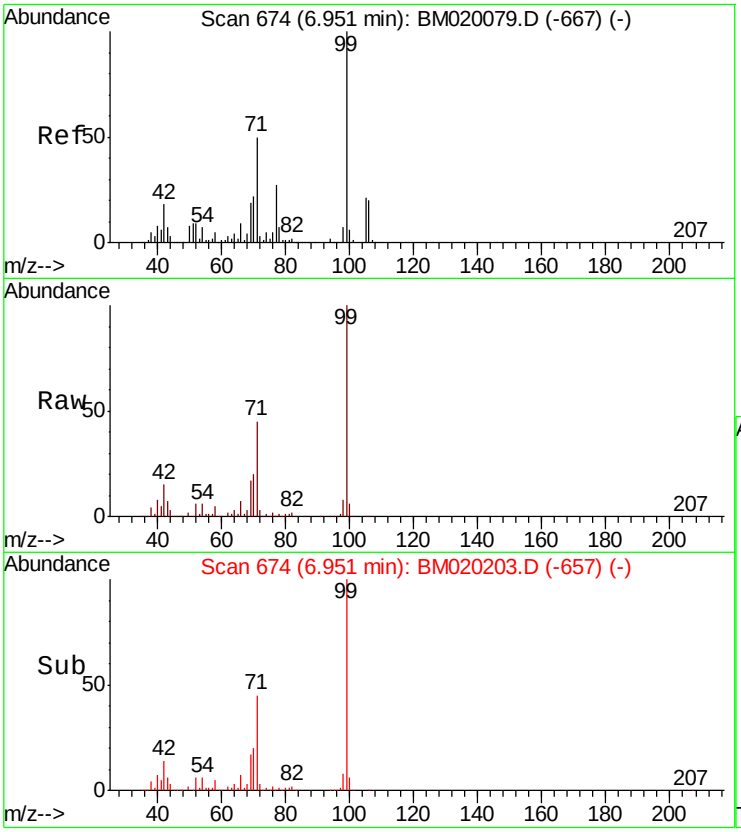


#5
2-Fluorophenol
Concen: 53.938 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:112 Resp: 494503

Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.8	80.6
63	37.2	32.3	48.5



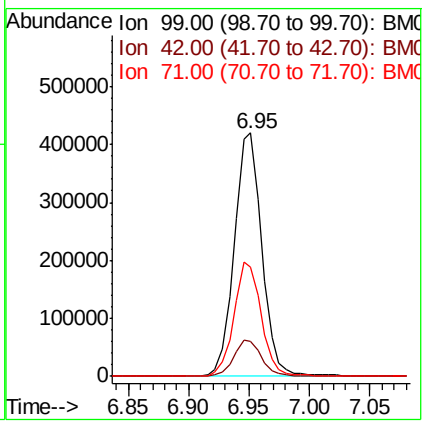


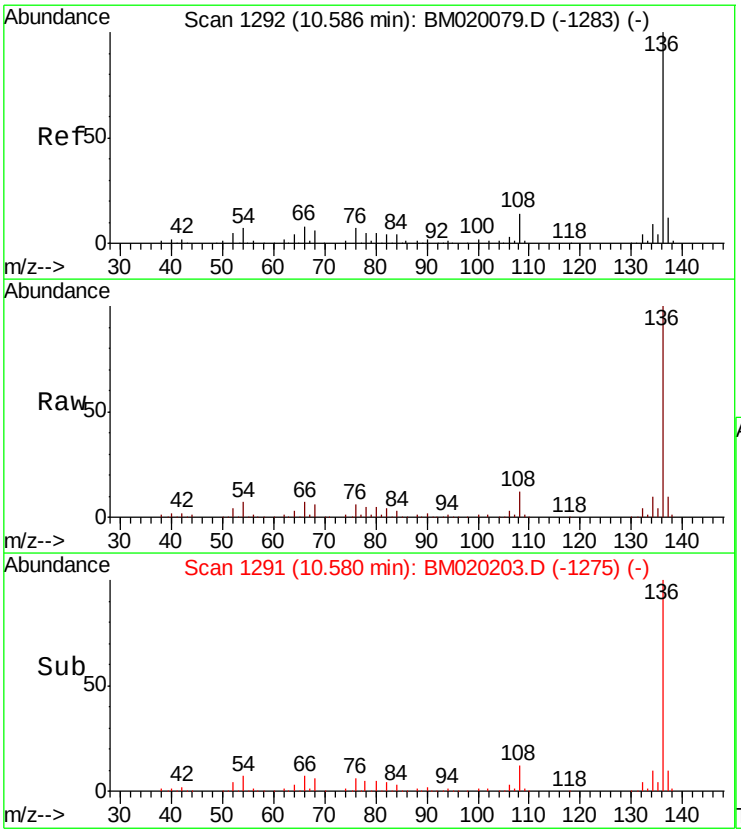
#7
Phenol-d6
Concen: 53.430 ng
RT: 6.95 min Scan# 674
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion: 99 Resp: 669191

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.2	21.2
71	45.1	40.3	60.5

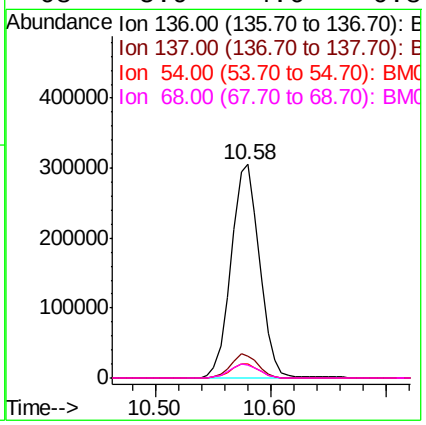


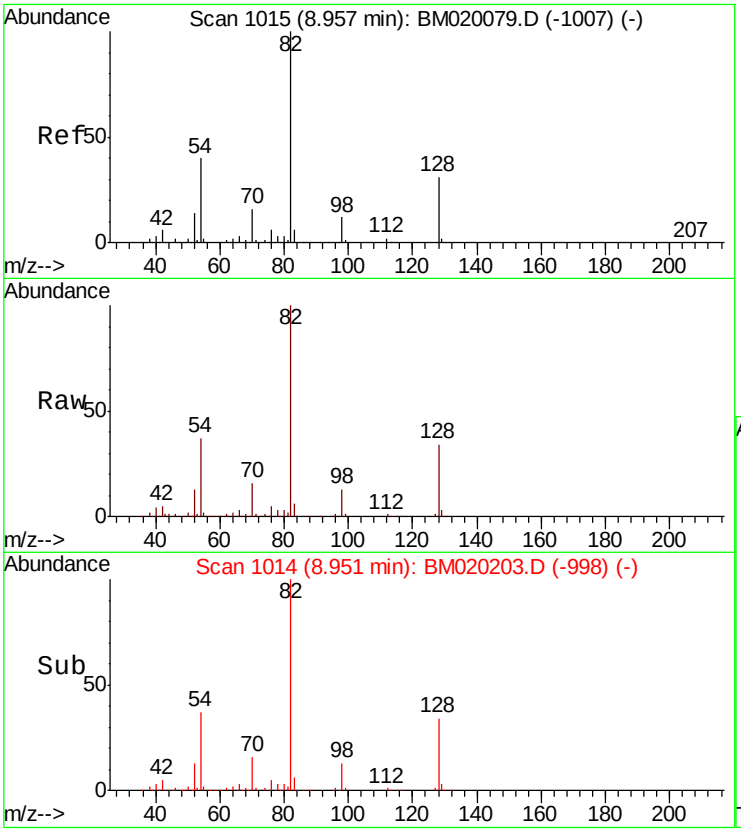


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:136 Resp: 523117

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.6	14.4
54	6.7	5.5	8.3
68	5.9	4.6	6.8



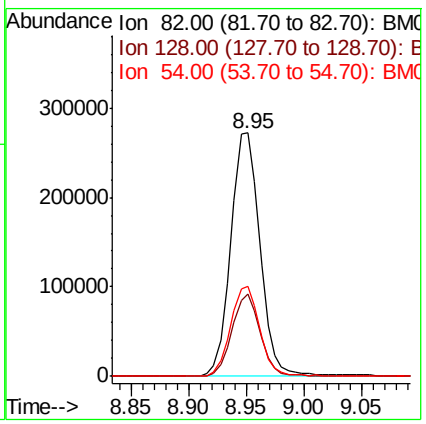


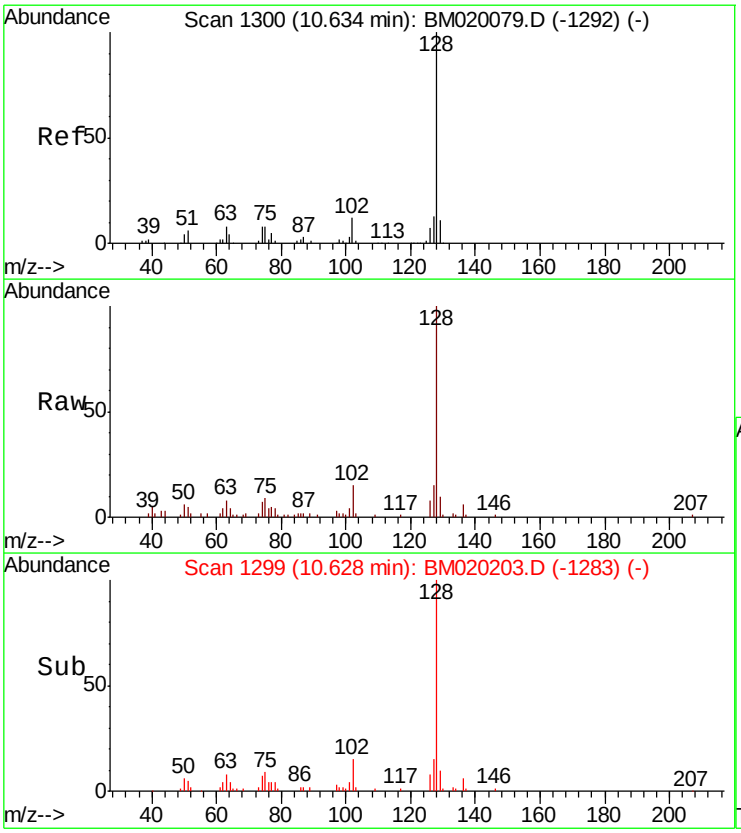
#23
Nitrobenzene-d5
Concen: 36.098 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion: 82 Resp: 478299

Ion	Ratio	Lower	Upper
82	100		
128	33.8	25.2	37.8
54	37.1	31.9	47.9

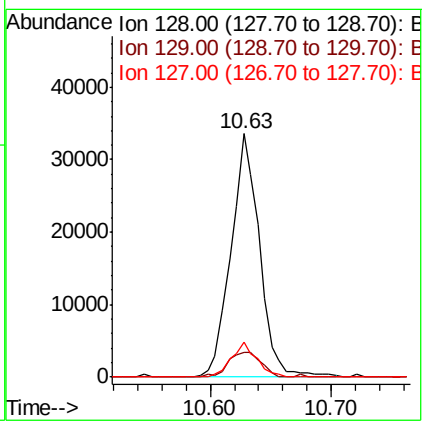


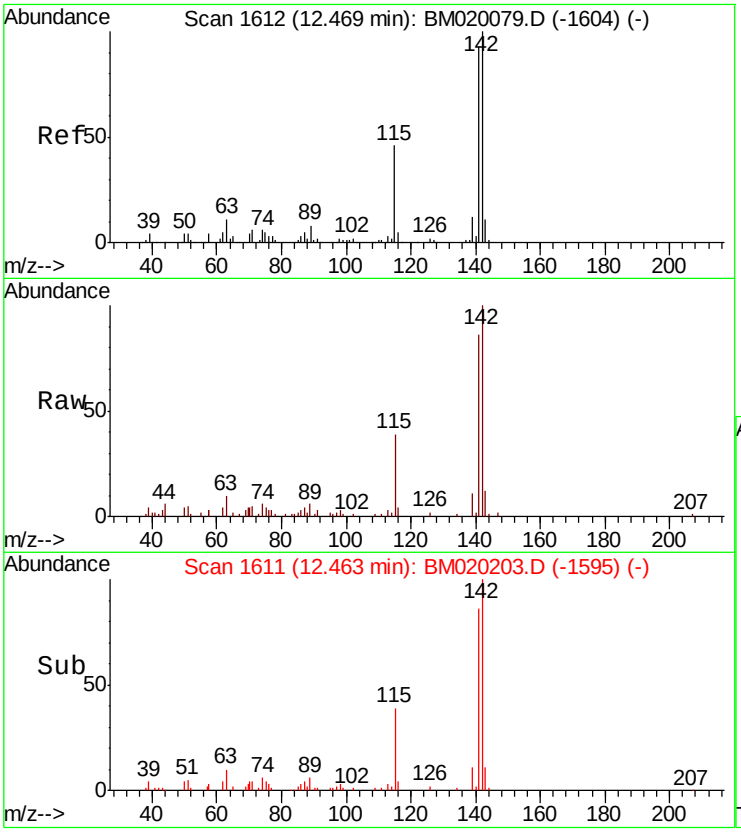


#31
Naphthalene
Concen: 2.046 ng
RT: 10.63 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:128 Resp: 55542

Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.4
127	14.6	10.4	15.6



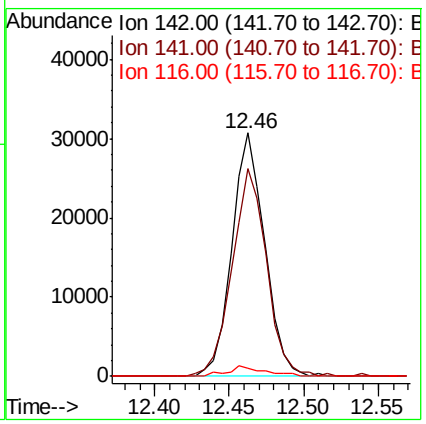


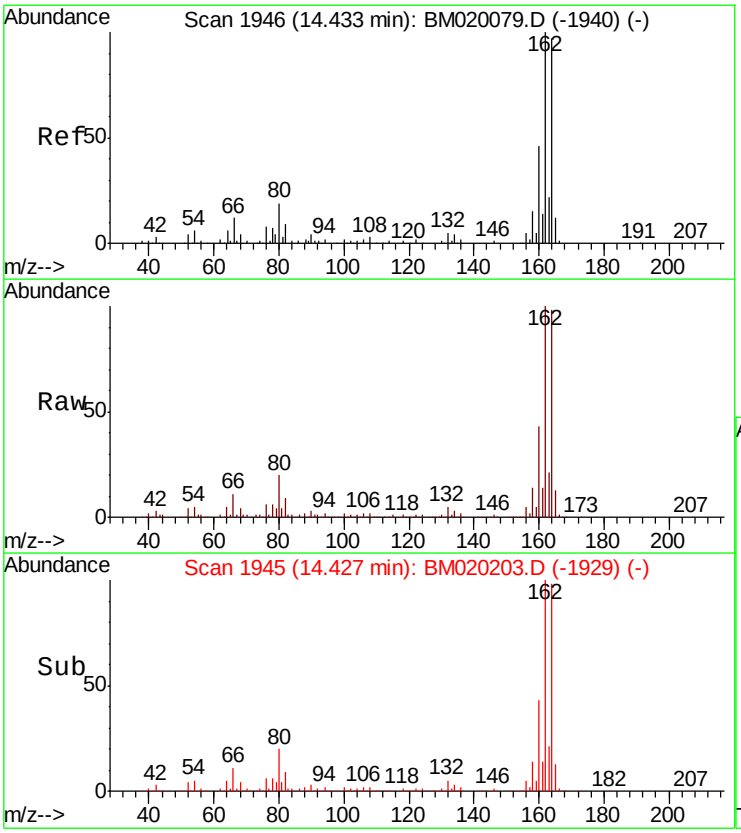
#38
1-Methylnaphthalene
Concen: 2.421 ng
RT: 12.46 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:142 Resp: 46858

Ion	Ratio	Lower	Upper
142	100		
141	85.5	74.8	112.2
116	3.5	3.9	5.9#

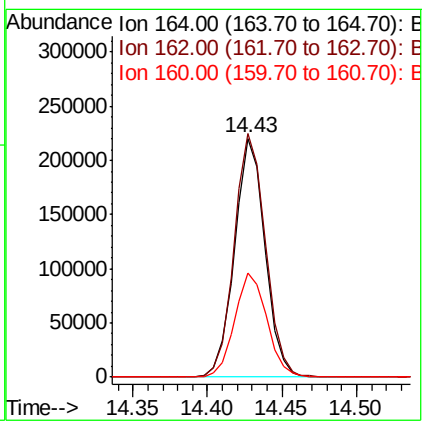


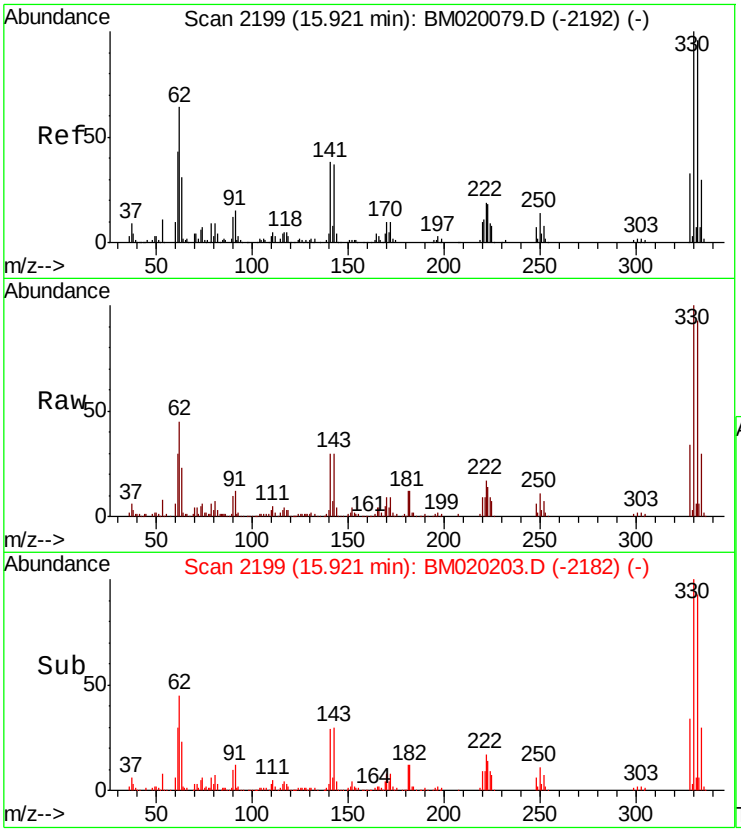


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:164 Resp: 311631

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.2
160	43.8	37.6	56.4



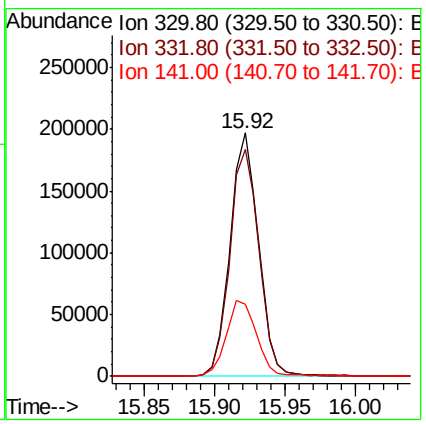


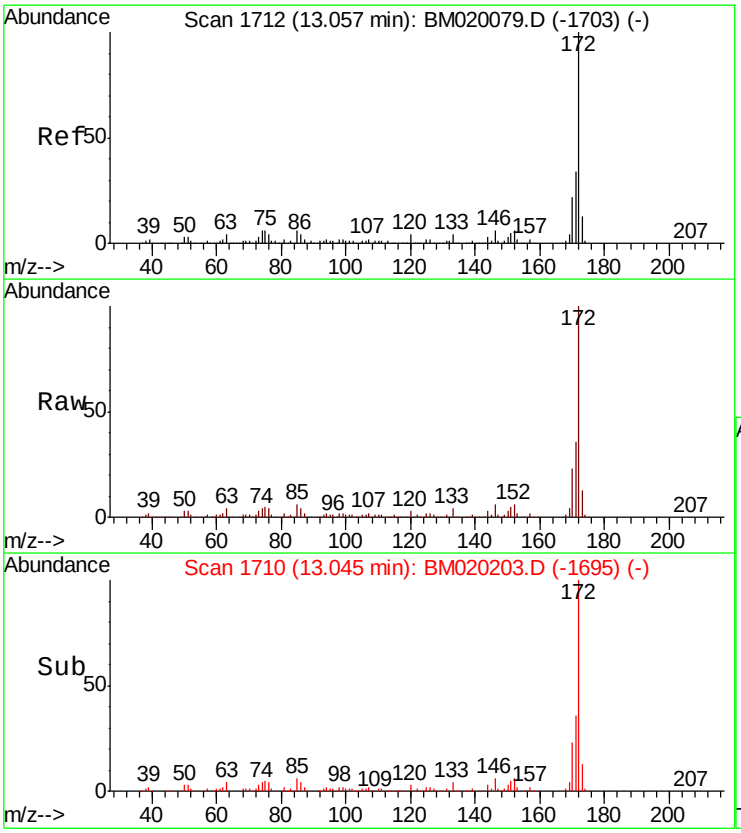
#42
2,4,6-Tribromophenol
Concen: 57.342 ng
RT: 15.92 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:330 Resp: 277371

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	32.2	29.2	43.8

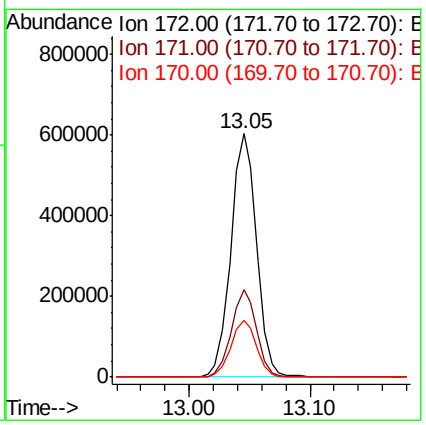


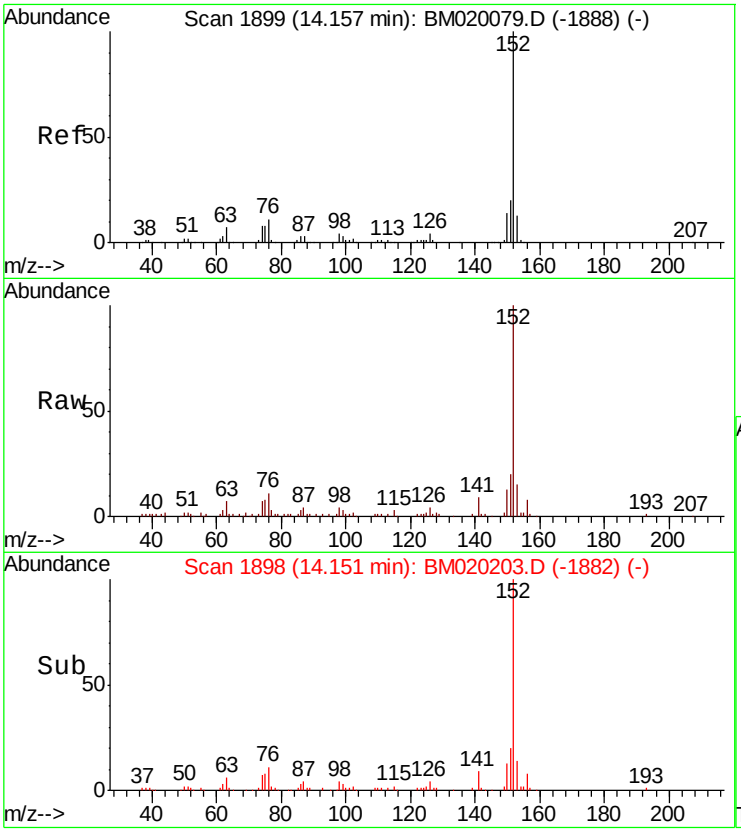


#45
2-Fluorobiphenyl
Concen: 35.184 ng
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:172 Resp: 891151

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.3	40.9
170	23.1	17.9	26.9



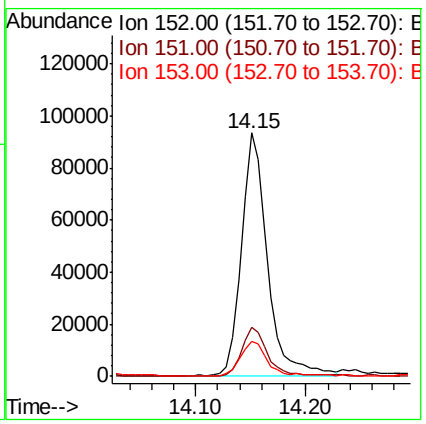


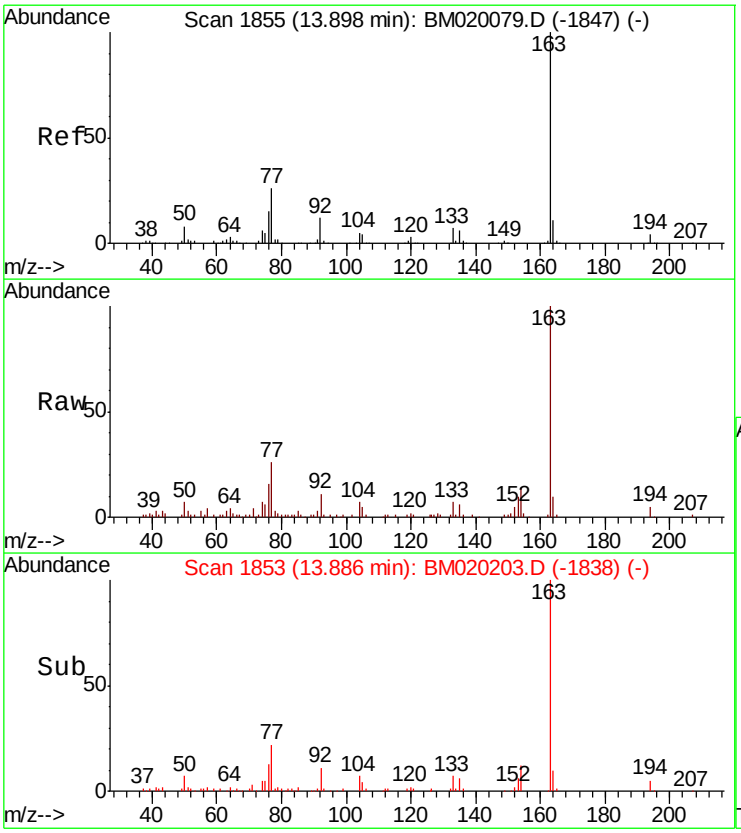
#49
Acenaphthylene
Concen: 4.751 ng
RT: 14.15 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:152 Resp: 155720

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	14.6	10.6	16.0

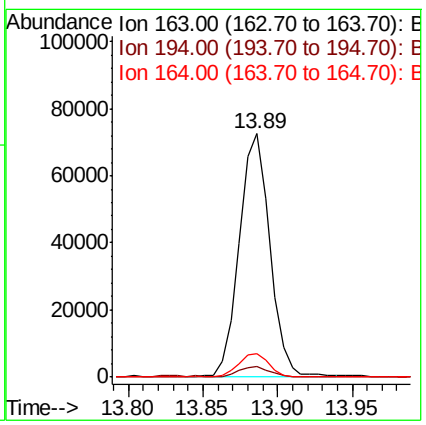


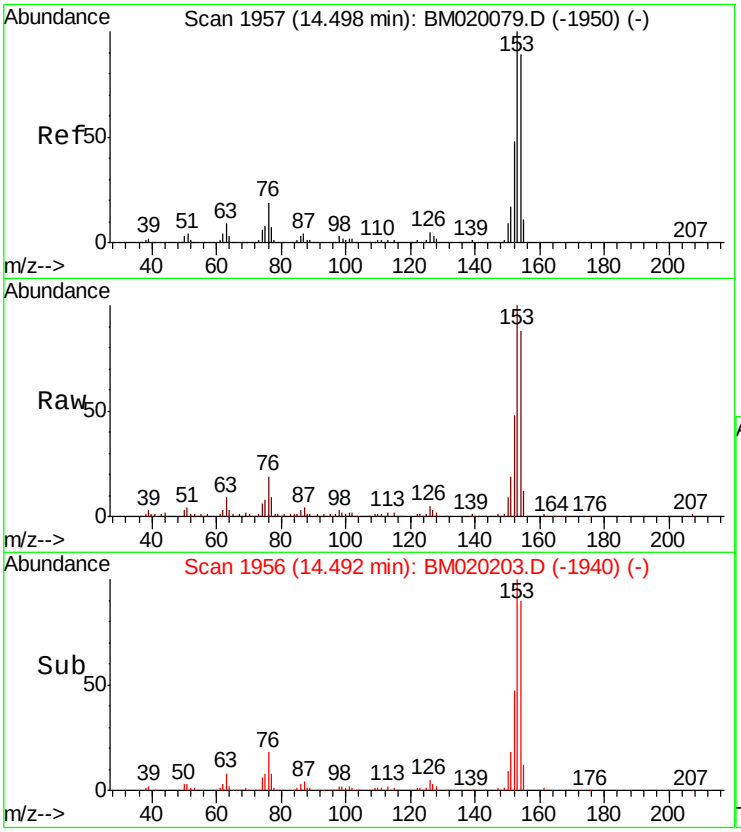


#50
Dimethylphthalate
Concen: 3.898 ng
RT: 13.89 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:163 Resp: 103250

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	9.6	8.4	12.6



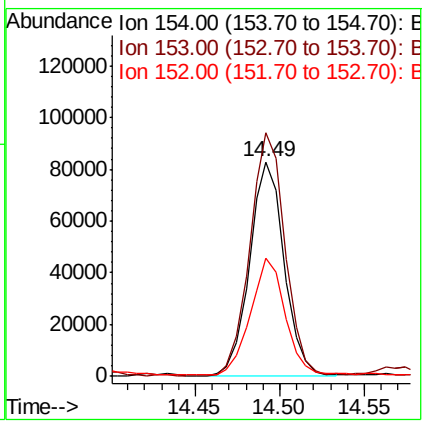


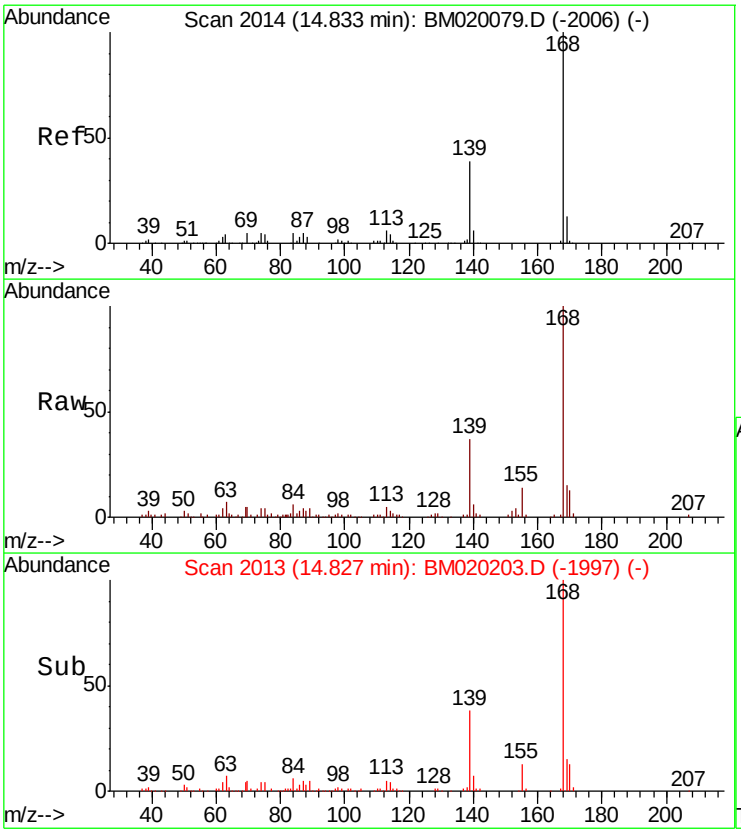
#52
Acenaphthene
Concen: 6.322 ng
RT: 14.49 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:154 Resp: 118830

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.2	135.2
152	54.8	43.0	64.4

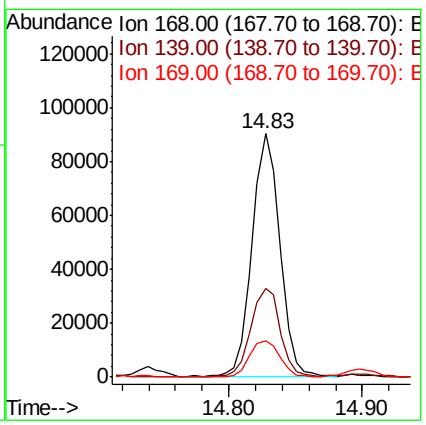


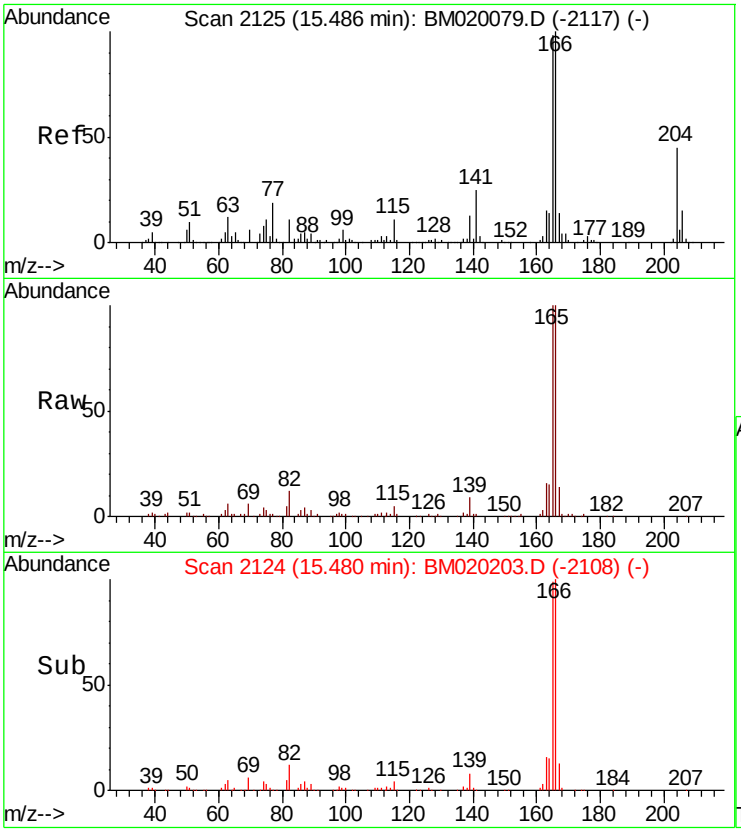


#55
Dibenzofuran
Concen: 4.102 ng
RT: 14.83 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:168 Resp: 130055

Ion	Ratio	Lower	Upper
168	100		
139	36.5	31.1	46.7
169	14.8	10.6	16.0



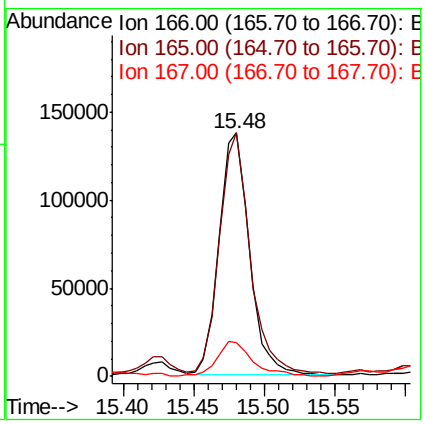


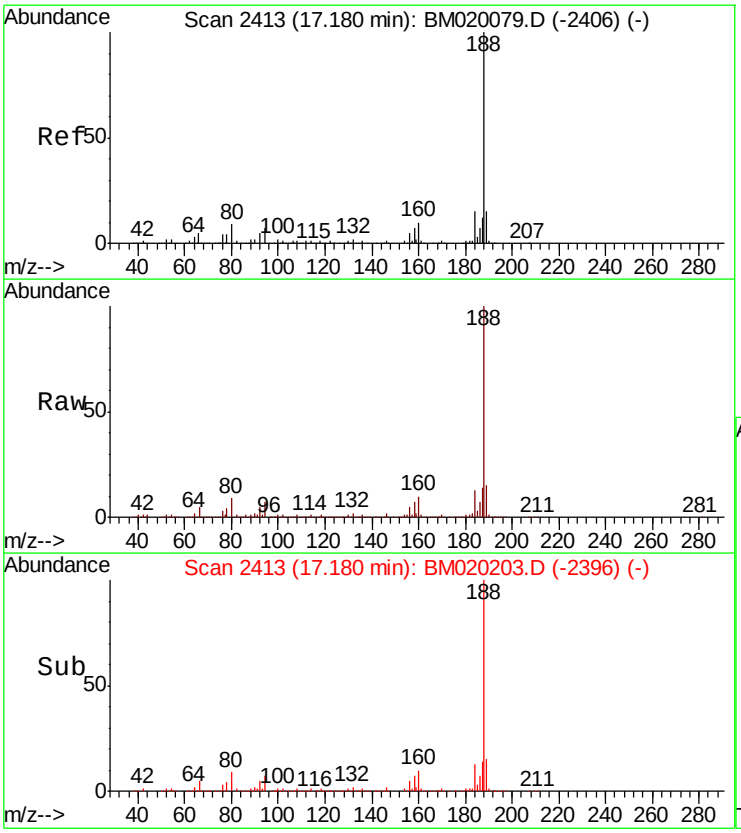
#58
Fluorene
Concen: 7.911 ng
RT: 15.48 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:166 Resp: 205973

Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.2	117.2
167	13.8	11.0	16.4

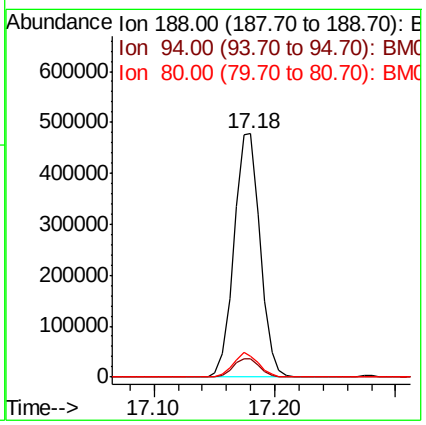


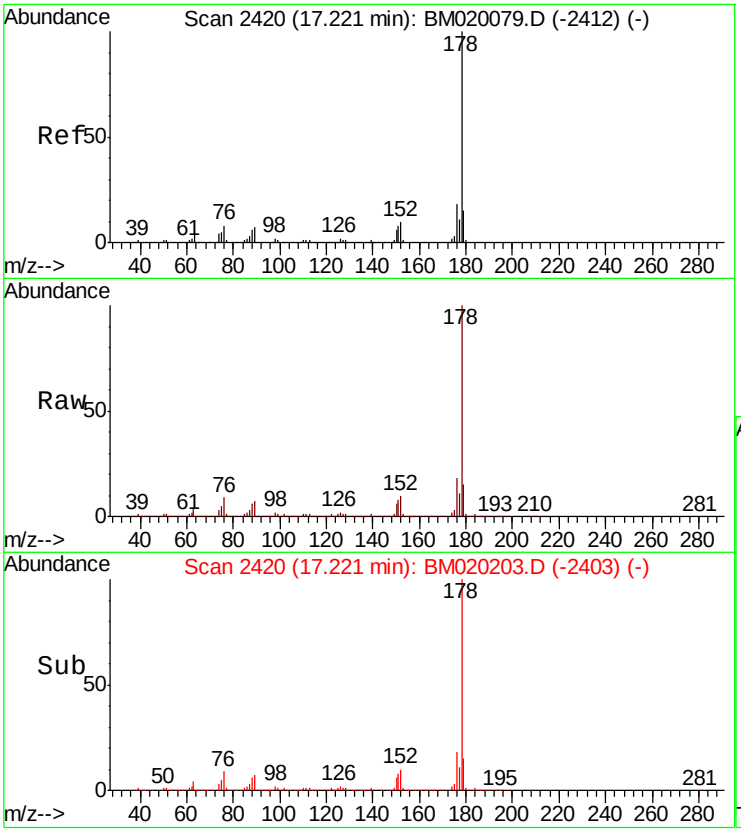


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:188 Resp: 720010

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.8	7.4	11.2



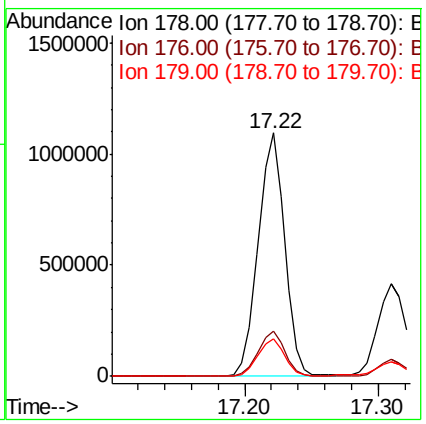


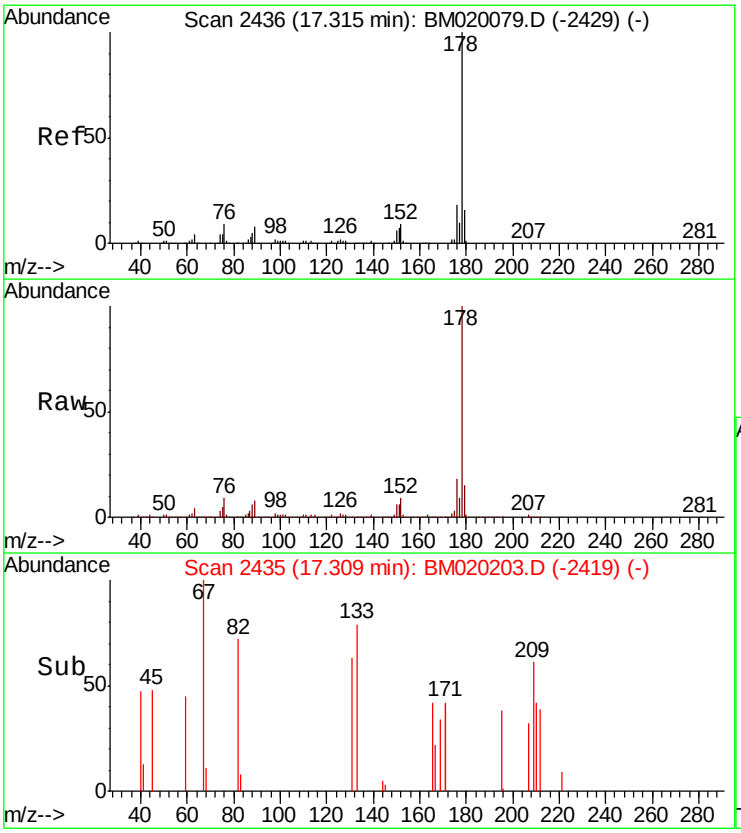
#71
Phenanthrene
Concen: 37.728 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:178 Resp: 1499487

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.4	12.4	18.6

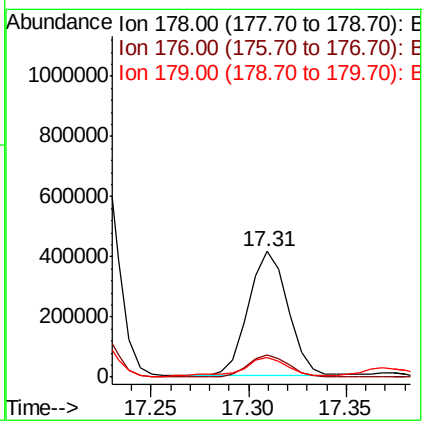


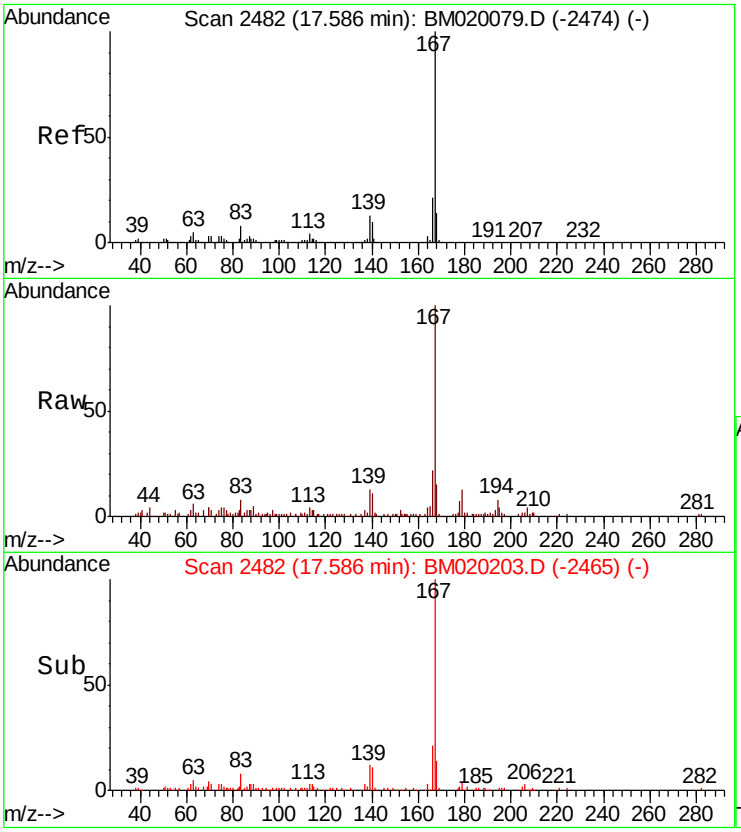


#72
Anthracene
Concen: 14.688 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:178 Resp: 583671

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.3	12.4	18.6



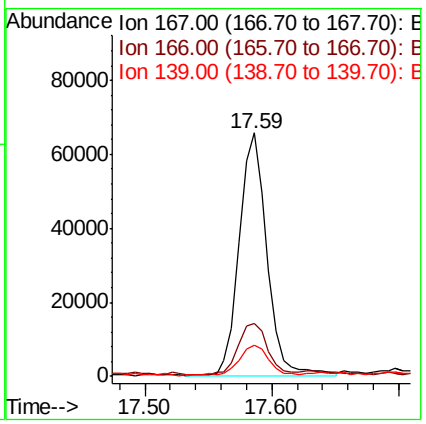


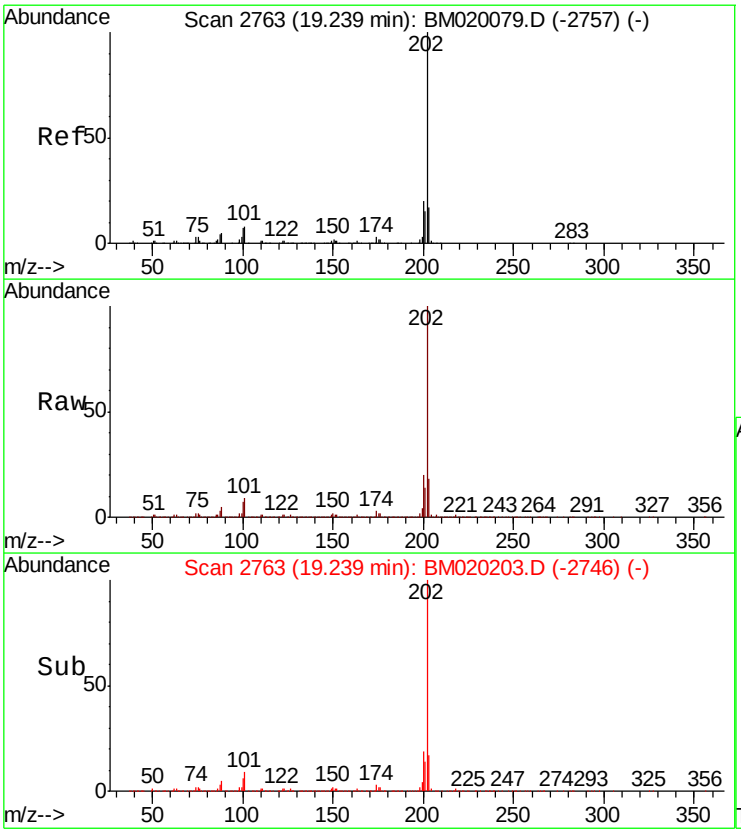
#73
Carbazole
Concen: 2.820 ng
RT: 17.59 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:167 Resp: 101128

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.8	10.6	16.0

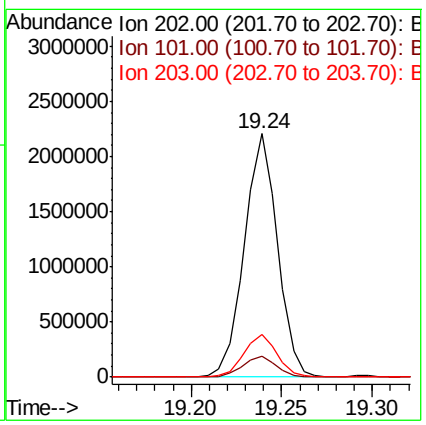


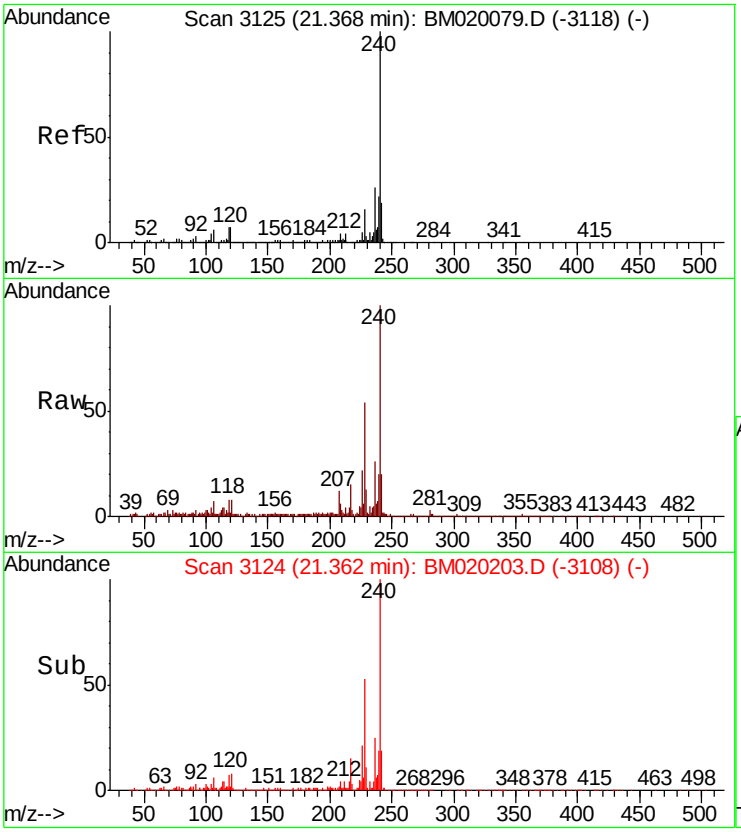


#75
Fluoranthene
Concen: 55.538 ng
RT: 19.24 min Scan# 2763
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:202 Resp: 2792889

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.4
203	17.5	0.0	37.4



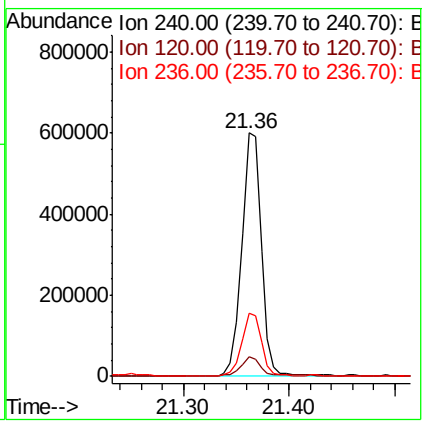


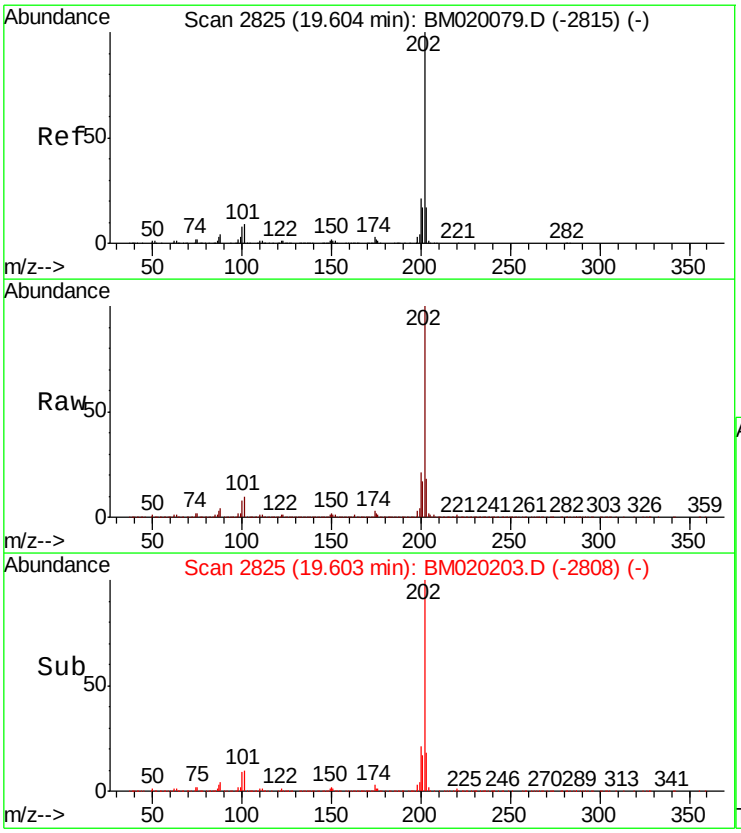
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:240 Resp: 762148

Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.6	8.4
236	25.7	20.9	31.3

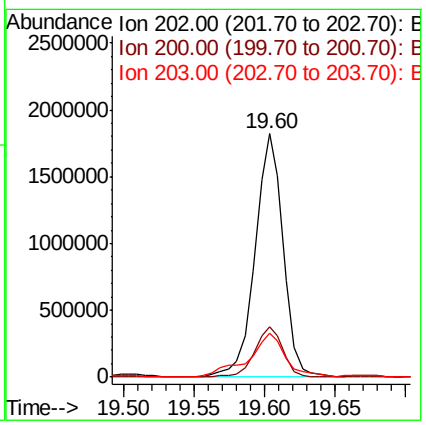


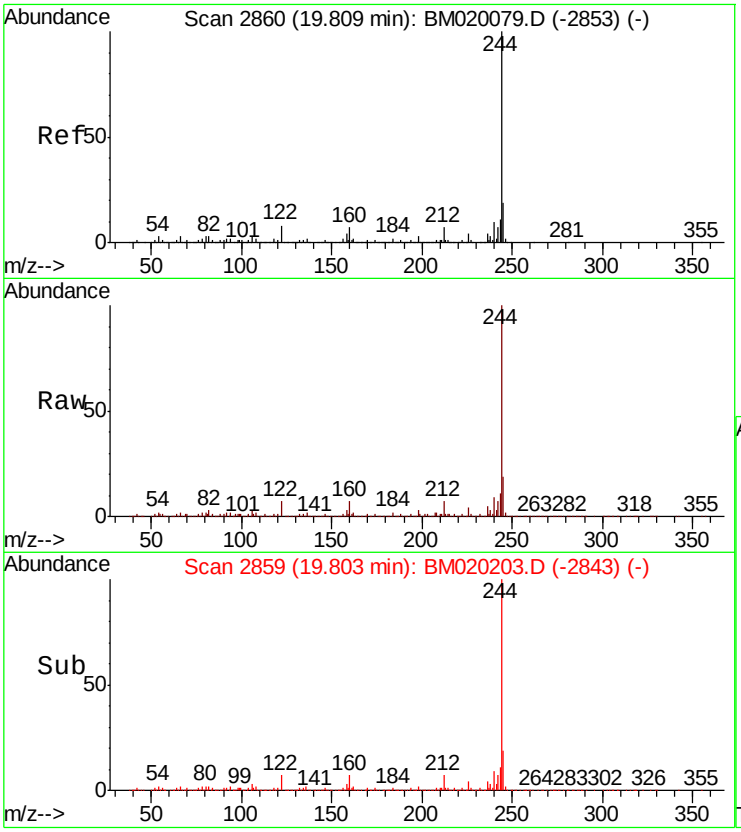


#78
Pyrene
Concen: 49.539 ng
RT: 19.60 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:202 Resp: 2534881

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



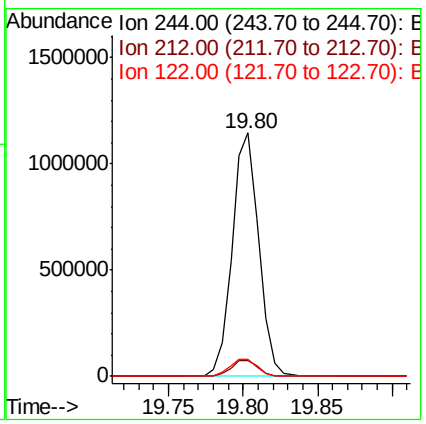


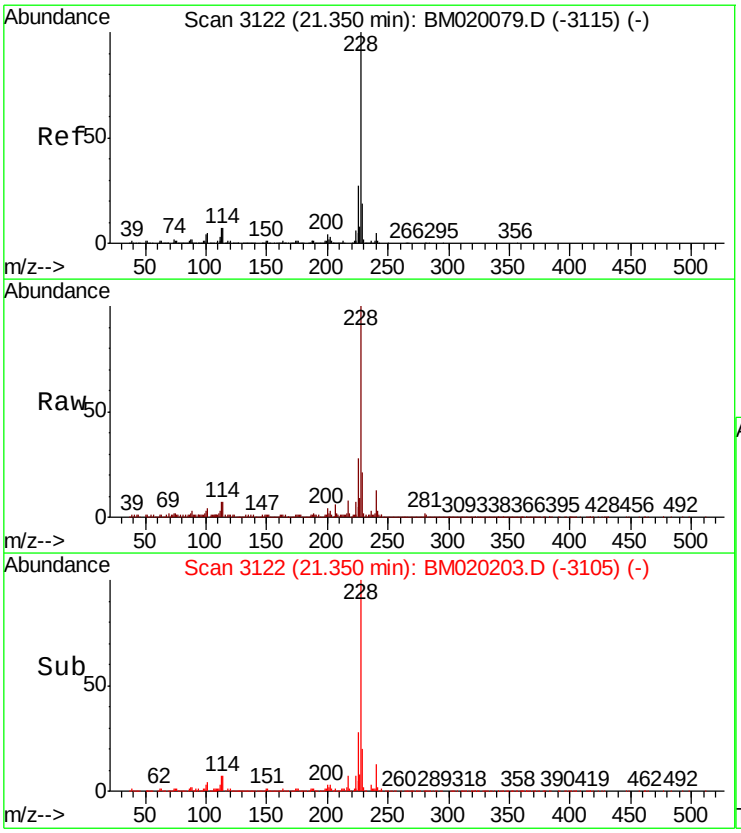
#79
Terphenyl-d14
Concen: 32.448 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:244 Resp: 1417820

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	7.2	6.2	9.2

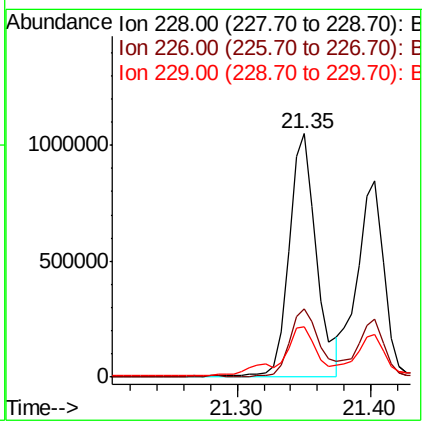


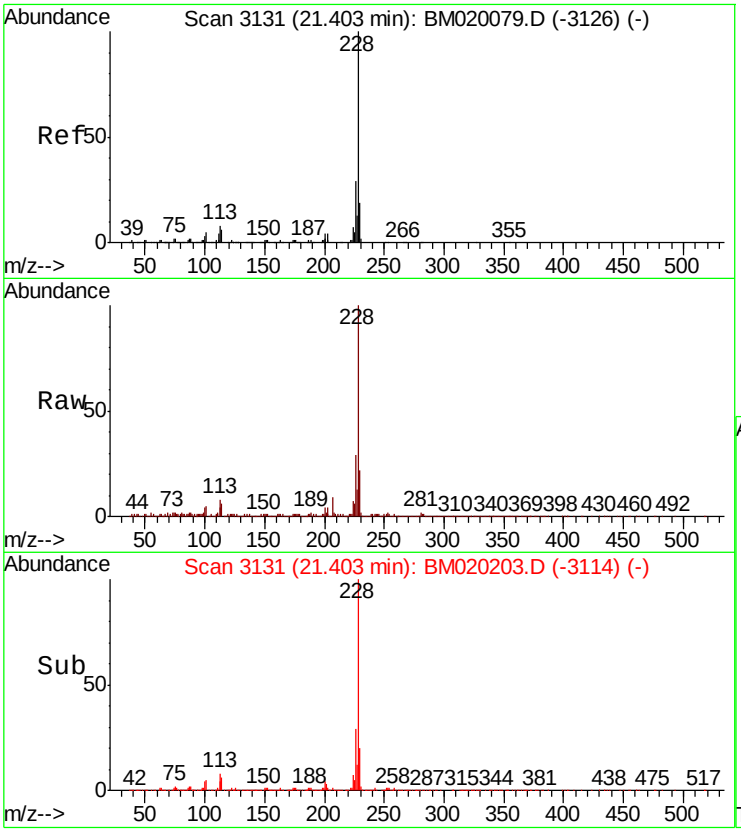


#81
Benzo(a)anthracene
Concen: 27.652 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:228 Resp: 1478008

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.3	31.9
229	20.9	15.5	23.3



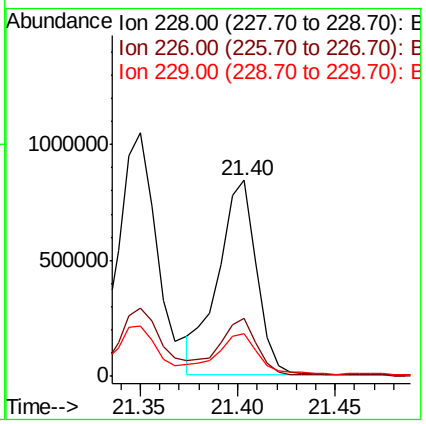


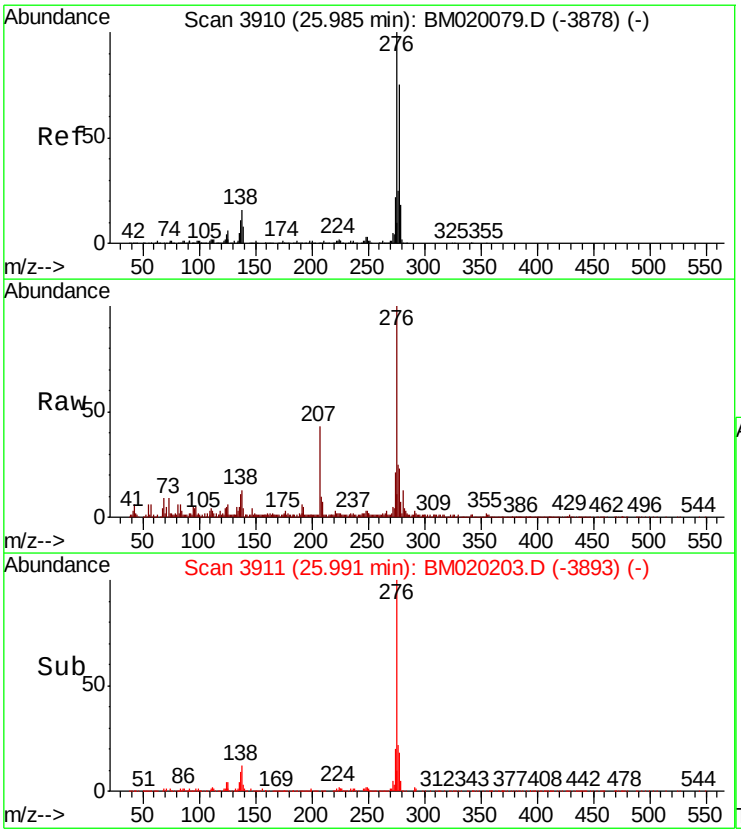
#83
Chrysene
Concen: 22.259 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:228 Resp: 1153838

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	22.0	15.5	23.3

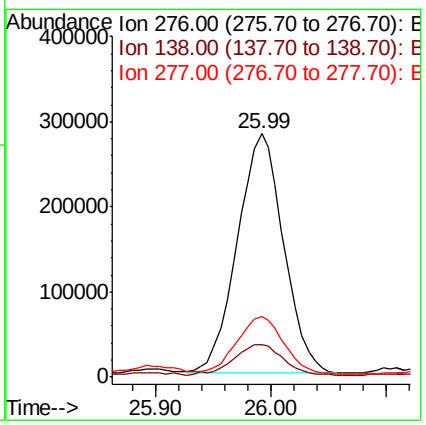


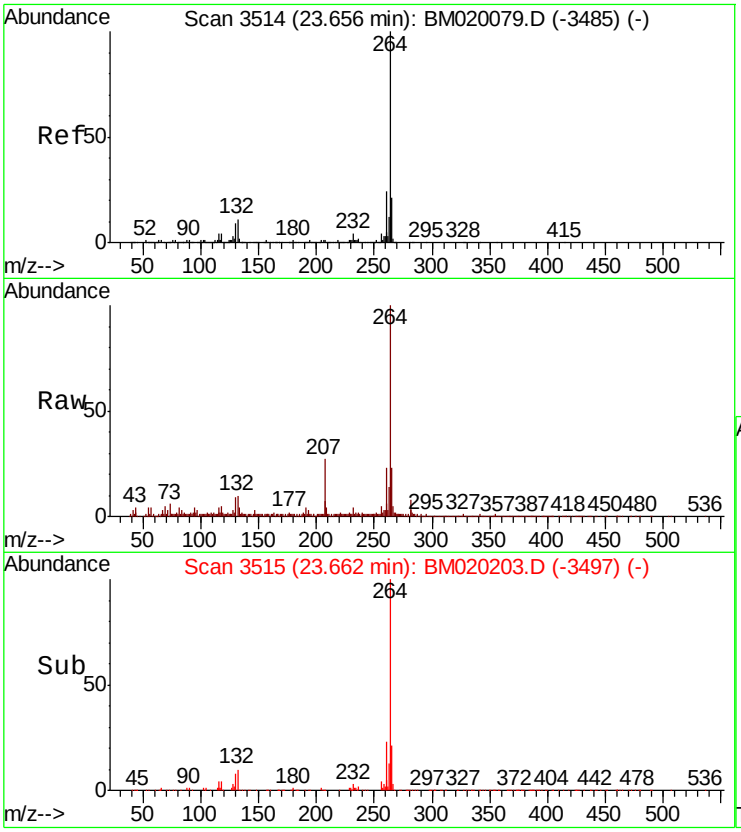


#86
Indeno(1,2,3-cd)pyrene
Concen: 12.600 ng
RT: 25.99 min Scan# 3911
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:276 Resp: 776886

Ion	Ratio	Lower	Upper
276	100		
138	13.7	0.0	0.0#
277	24.8	0.0	0.0#



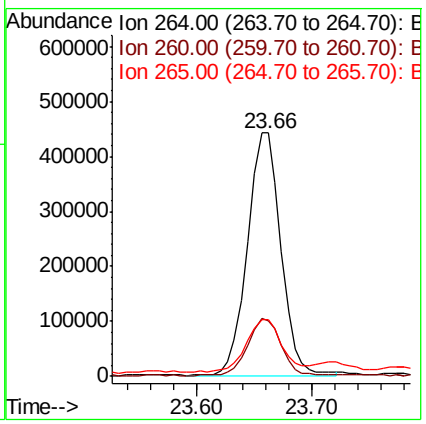


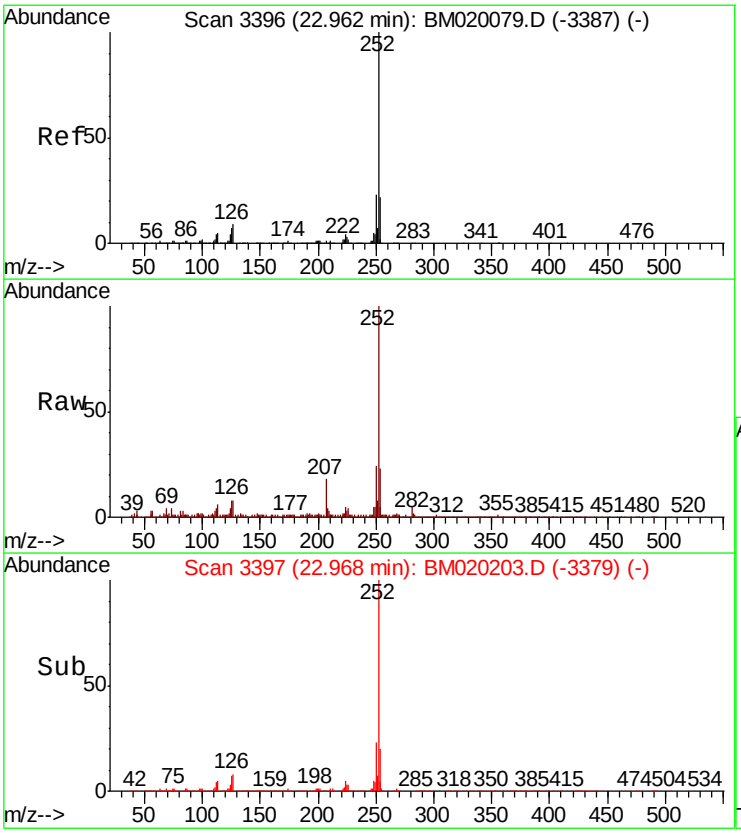
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:264 Resp: 892633

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	23.2	16.9	25.3

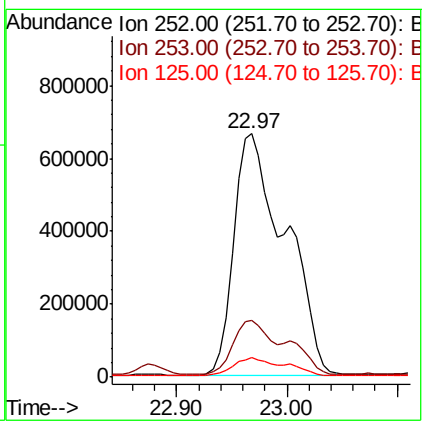


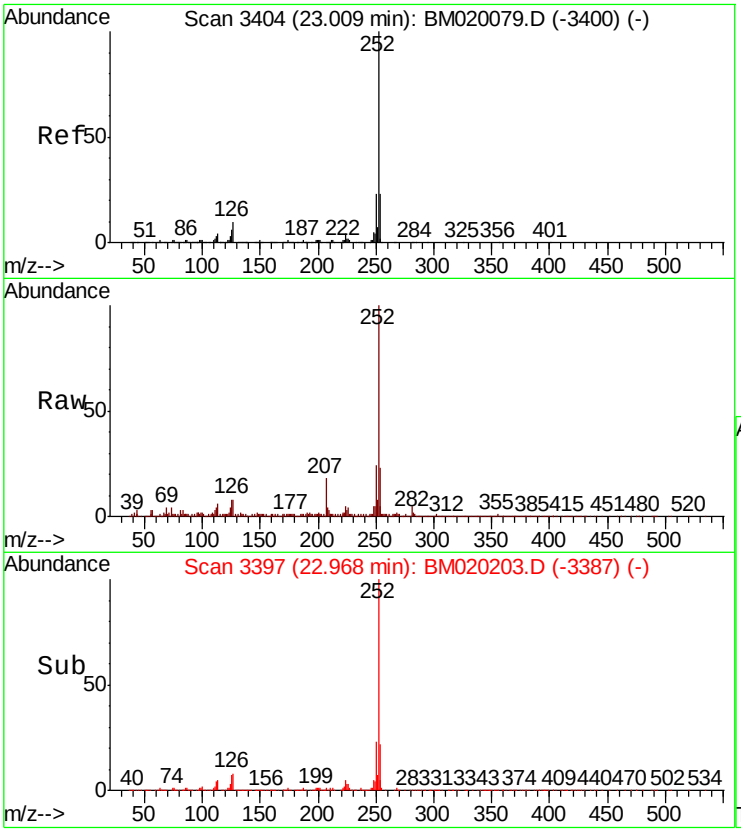


#88
Benzo(b)fluoranthene
Concen: 36.725 ng
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:252 Resp: 2164755

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	7.9	5.4	8.2



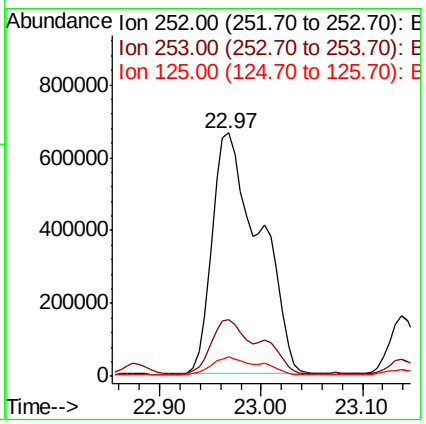


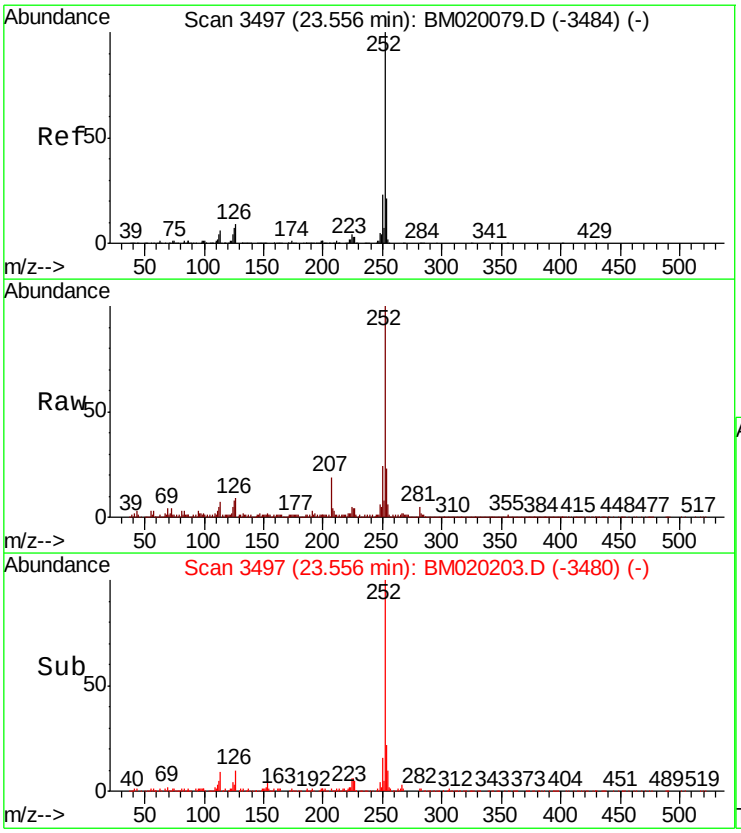
#89
Benzo(k)fluoranthene
Concen: 39.870 ng
RT: 22.97 min Scan# 3397
Delta R.T. -0.04 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:252 Resp: 2143771

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	7.9	5.4	8.0

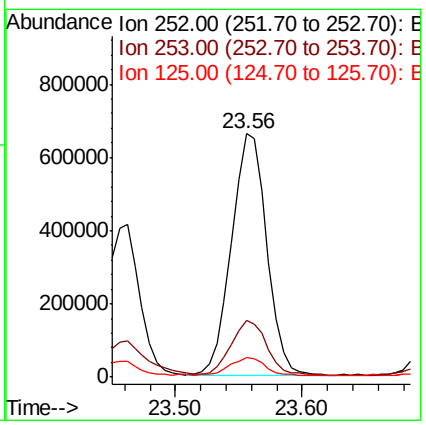


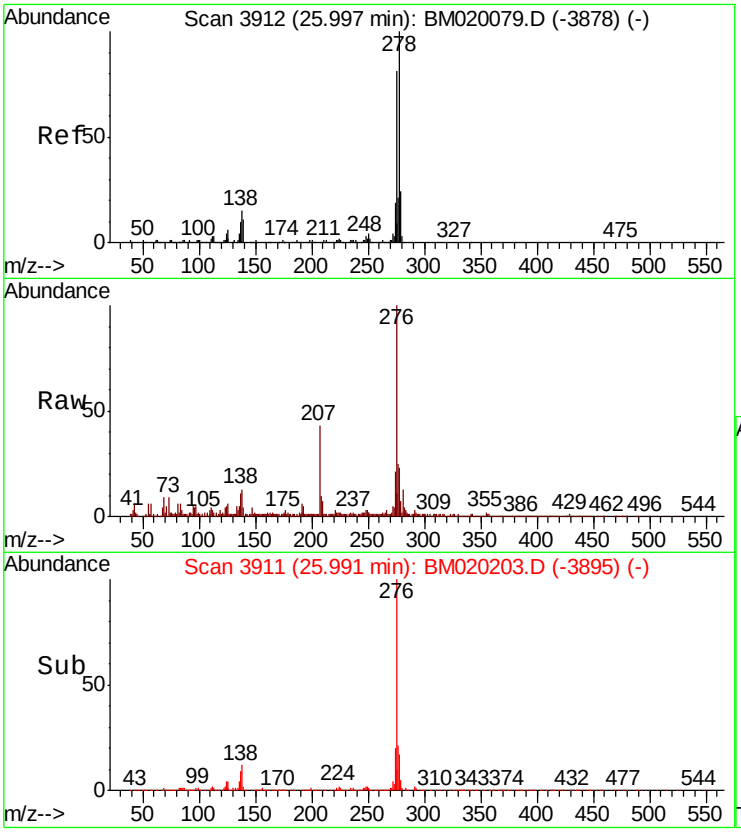


#90
Benzo(a)pyrene
Concen: 23.560 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:252 Resp: 1261399

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.0	5.5	8.3



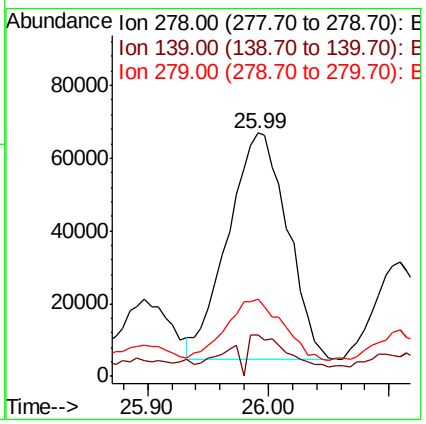


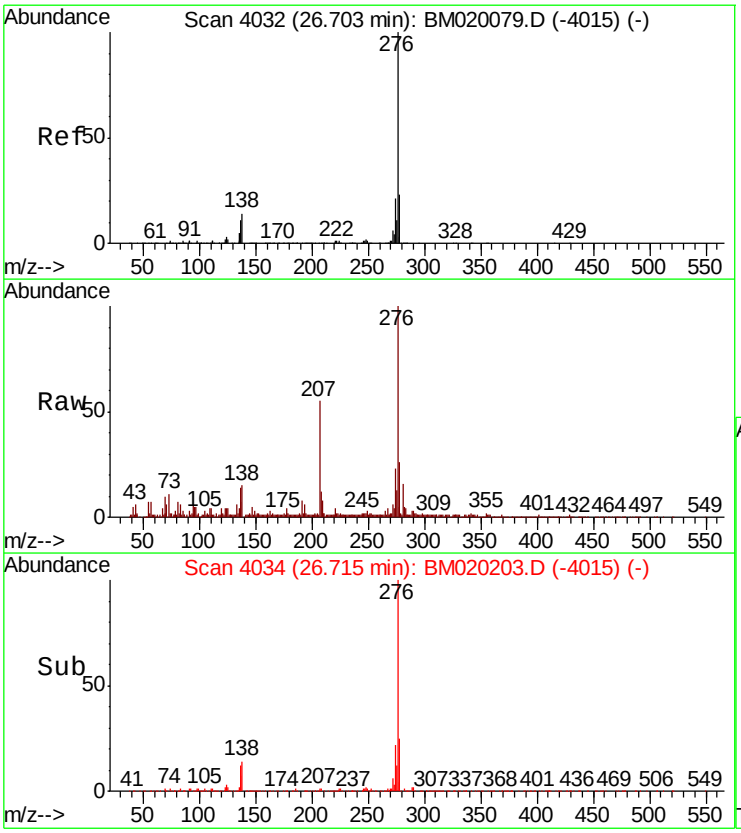
#91
Dibenzo(a,h)anthracene
Concen: 3.828 ng
RT: 25.99 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tgt Ion:278 Resp: 213167

Ion	Ratio	Lower	Upper
278	100		
139	16.8	8.6	13.0#
279	31.9	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 13.678 ng
RT: 26.71 min Scan# 4034
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion:276 Resp: 723045

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.4	27.6
138	15.1	11.1	16.7