Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 10 05:25:09 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	7.77	152	104932	20.00	ng		-0.02
21) Naphthalene-d8	10.57	136	391126	20.00	ng		-0.02
39) Acenaphthene-d10	14.42	164	236130	20.00	ng		-0.01
64) Phenanthrene-d10	17.17	188	554267	20.00	ng		-0.01
76) Chrysene-d12	21.36	240	629745	20.00	ng		-0.01
87) Perylene-d12	23.64	264	789939	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	152381	23.74	ng		-0.01
7) Phenol-d6	6.94	99	204802	23.35	ng		-0.01
23) Nitrobenzene-d5	8.95	82	140744	14.21	ng		-0.01
42) 2,4,6-Tribromophenol	15.91	330	81715	22.29	ng		-0.01
45) 2-Fluorobiphenyl	13.04	172	271022	14.12	ng		-0.02
79) Terphenyl-d14	19.79	244	467426	12.95	ng		-0.02
Target Compounds							Qvalue
49) Acenaphthylene	14.15	152	131272	5.286	ng		99
58) Fluorene	15.47	166	58424	2.961	ng		95
71) Phenanthrene	17.21	178	581443	19.004	ng		100
72) Anthracene	17.30	178	225903	7.385	ng		99
75) Fluoranthene	19.23	202	1256316	32.453	ng		99
78) Pyrene	19.59	202	1162651	27.499	ng		99
81) Benzo(a)anthracene	21.34	228	748914	16.958	ng		97
83) Chrysene	21.39	228	642596	15.003	ng		98
86) Indeno(1,2,3-cd)pyrene	25.97	276	489396	9.606	ng	#	100
88) Benzo(b)fluoranthene	22.96	252	983225m	18.849	ng		
89) Benzo(k)fluoranthene	22.99	252	304261m	6.394	ng		
90) Benzo(a)pyrene	23.54	252	716012	15.112	ng	#	95
91) Dibenzo(a,h)anthracene	25.97	278	134857	2.737	ng	#	82
92) Benzo(g,h,i)perylene	26.69	276	466152	9.964	ng		98

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

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Misc :
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Instrument :
BNA_M
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PL-02-050719-D

Quant Time: May 10 05:25:09 2019
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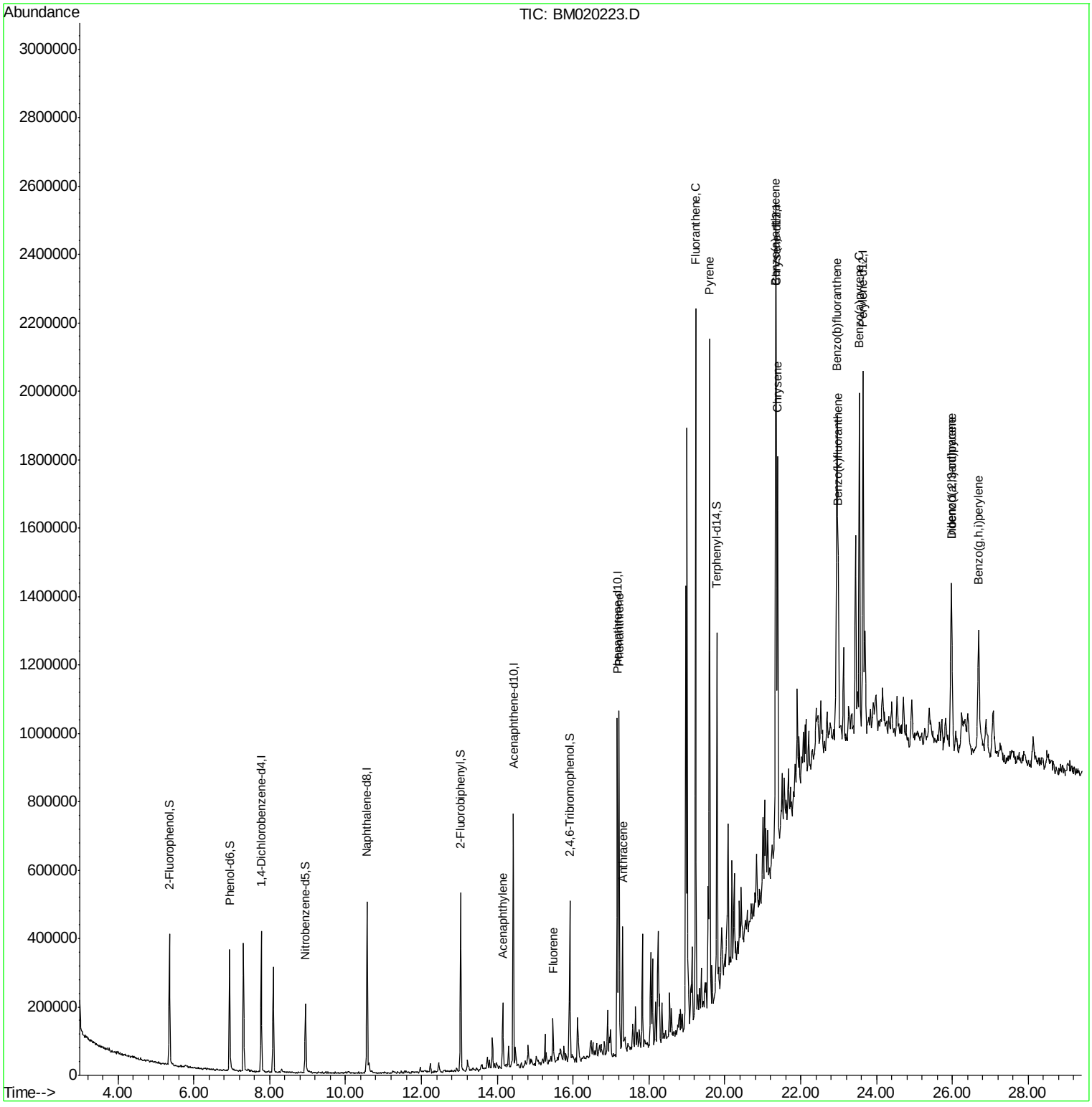
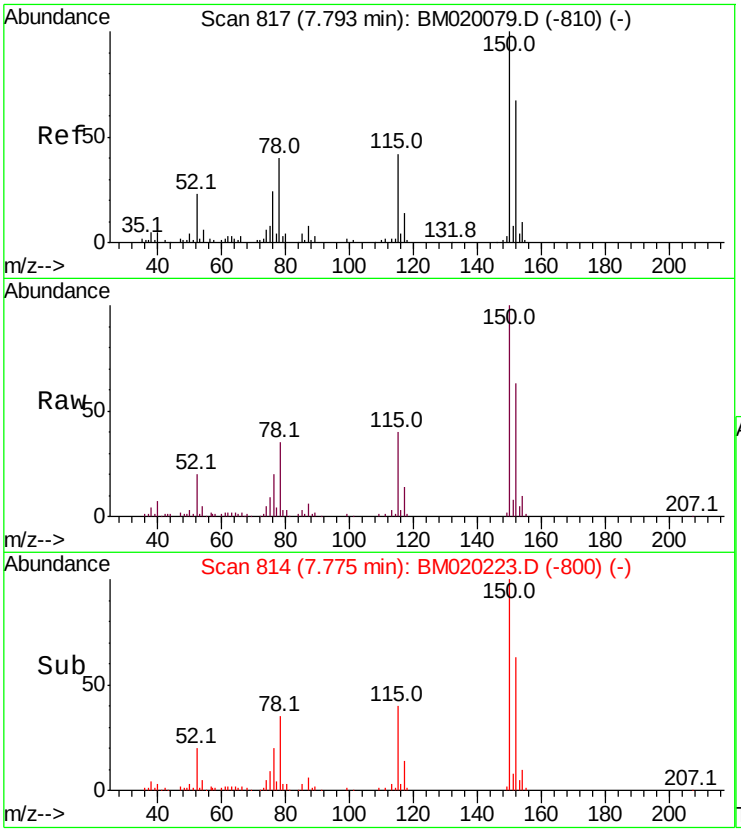


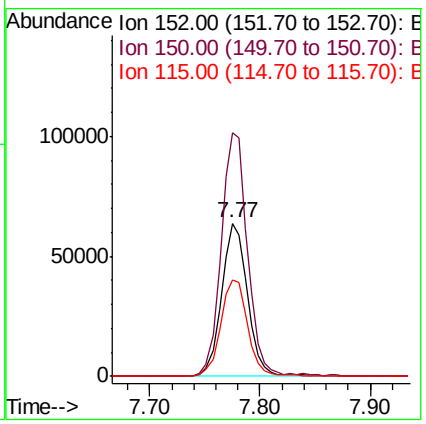


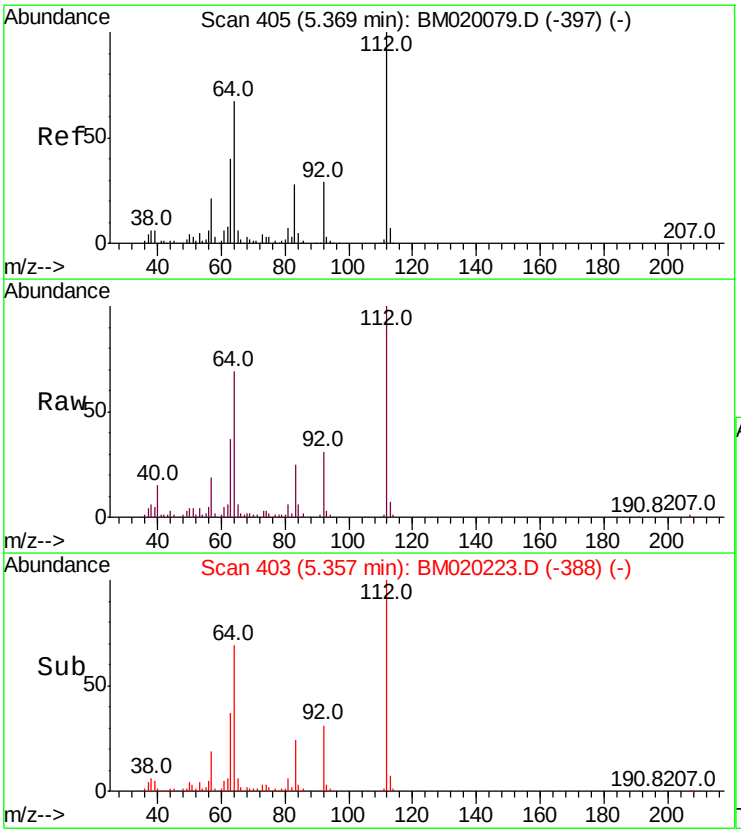
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:152 Resp: 104932

Ion	Ratio	Lower	Upper
152	100		
150	159.1	119.8	179.8
115	63.3	50.8	76.2

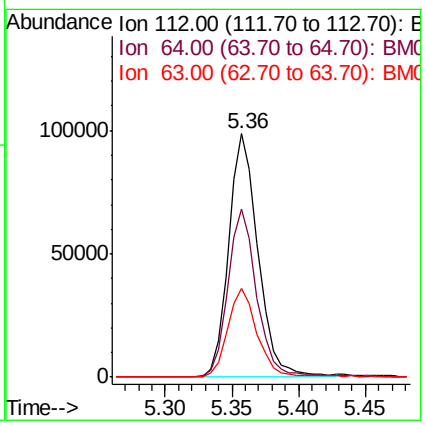


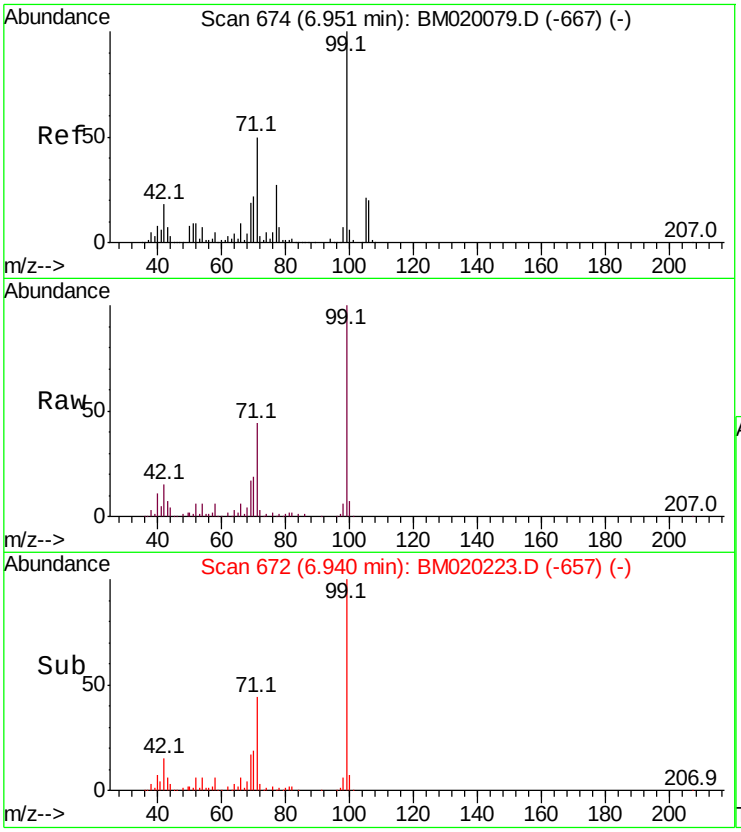


#5
2-Fluorophenol
Concen: 23.737 ng
RT: 5.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:112 Resp: 152381

Ion	Ratio	Lower	Upper
112	100		
64	68.8	53.8	80.6
63	36.7	32.3	48.5



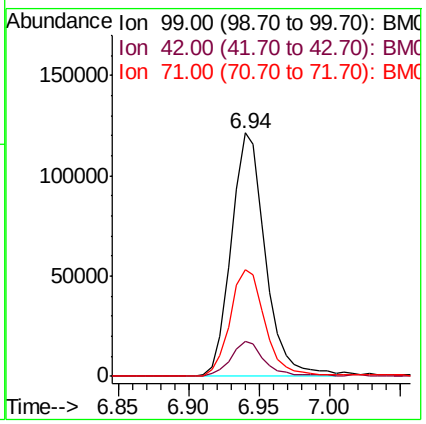


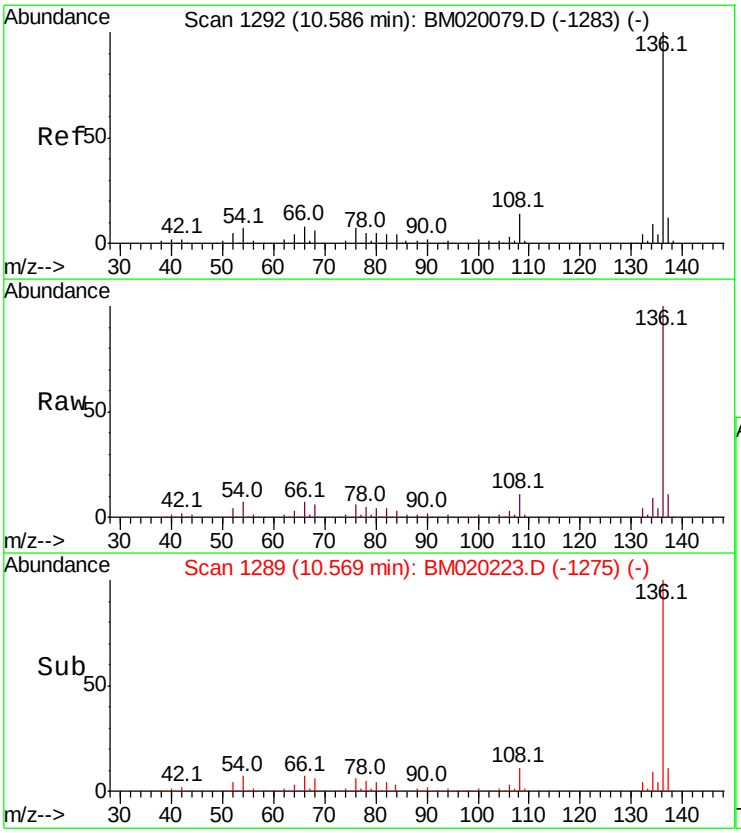
#7
Phenol-d6
Concen: 23.353 ng
RT: 6.94 min Scan# 672
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion: 99 Resp: 204802

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.2	21.2
71	43.6	40.3	60.5

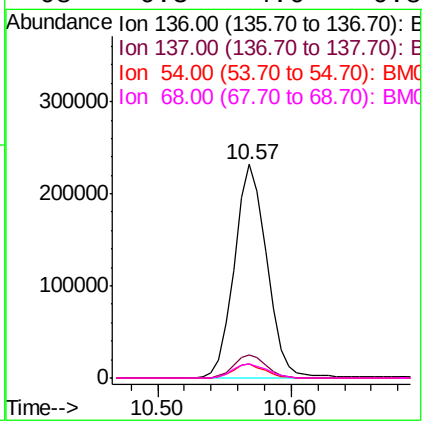


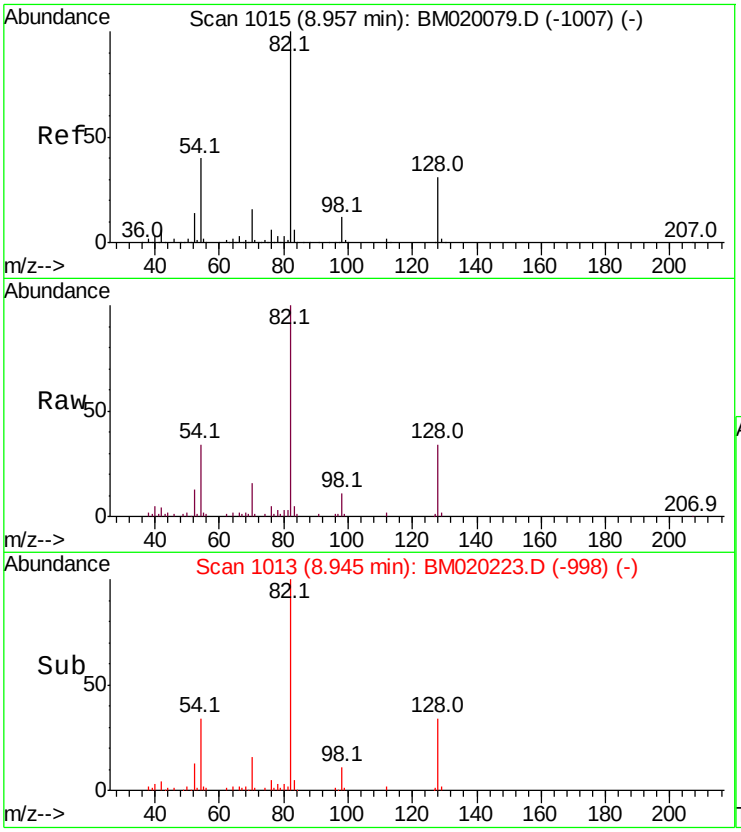


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.57 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:136 Resp: 391126

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.6	14.4
54	6.8	5.5	8.3
68	6.3	4.6	6.8



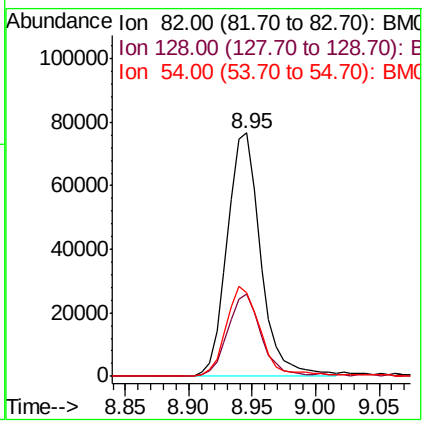


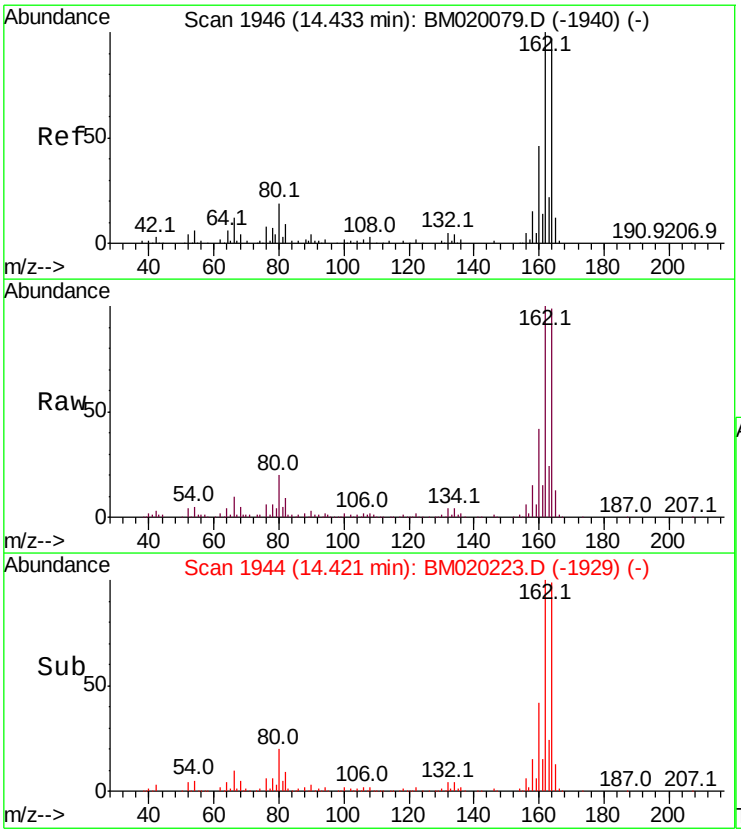
#23
Nitrobenzene-d5
Concen: 14.207 ng
RT: 8.95 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion: 82 Resp: 140744

Ion	Ratio	Lower	Upper
82	100		
128	33.7	25.2	37.8
54	34.5	31.9	47.9

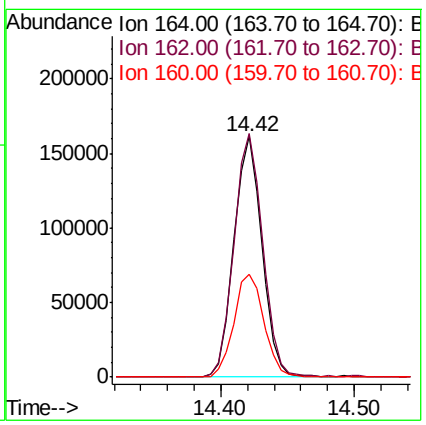


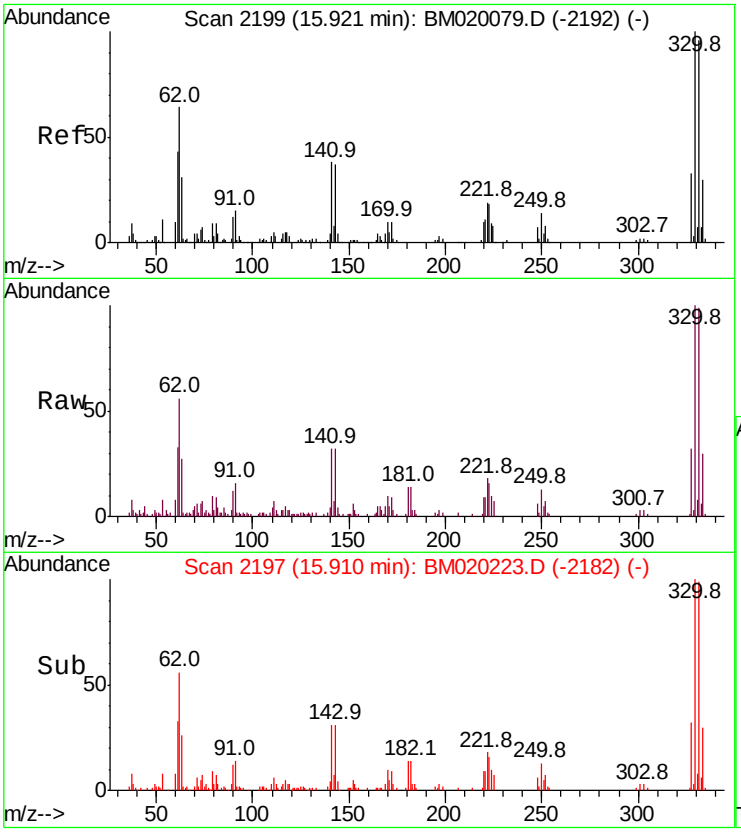


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:164 Resp: 236130

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.2	123.2
160	42.9	37.6	56.4



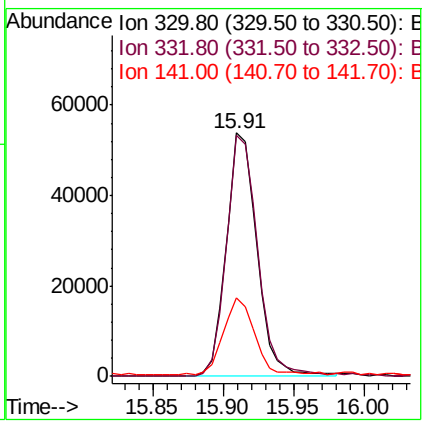


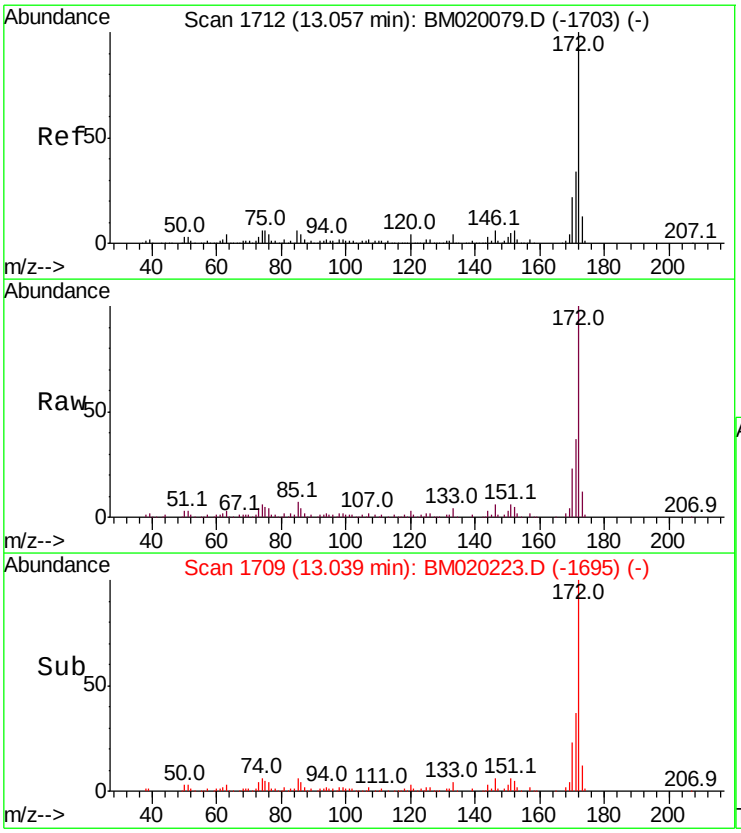
#42
2,4,6-Tribromophenol
Concen: 22.295 ng
RT: 15.91 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:330 Resp: 81715

Ion	Ratio	Lower	Upper
330	100		
332	101.0	76.8	115.2
141	32.0	29.2	43.8

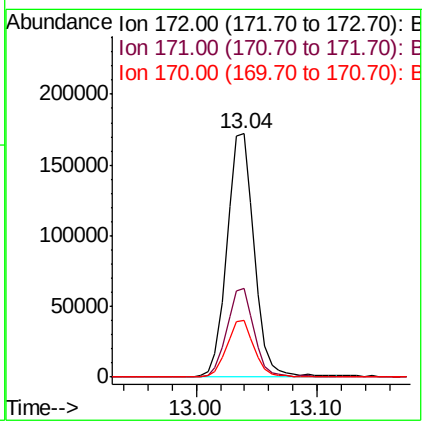


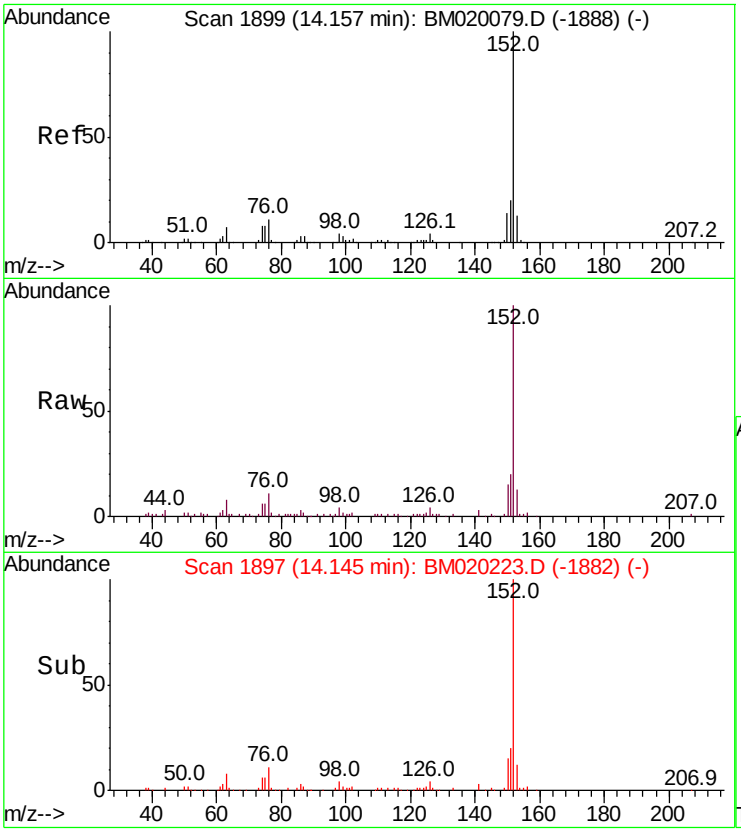


#45
2-Fluorobiphenyl
Concen: 14.122 ng
RT: 13.04 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:172 Resp: 271022

Ion	Ratio	Lower	Upper
172	100		
171	36.5	27.3	40.9
170	23.3	17.9	26.9



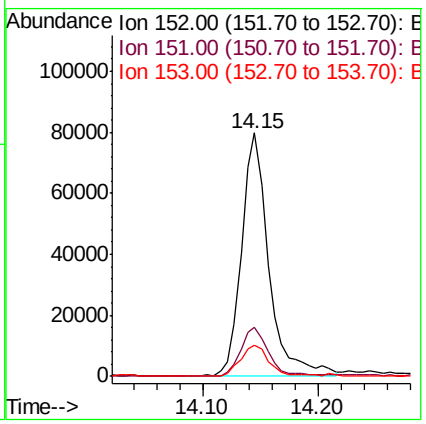


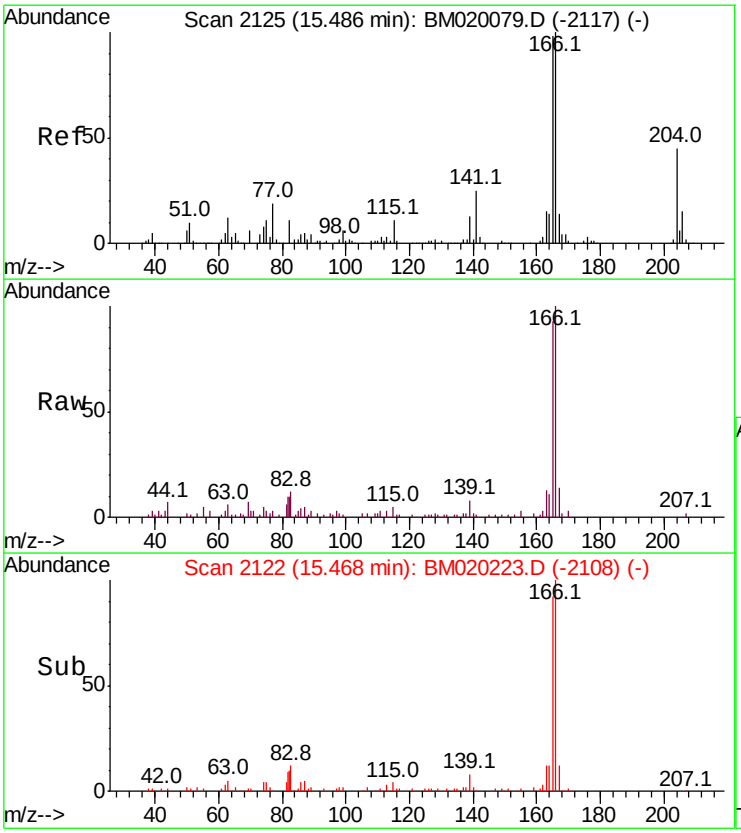
#49
Acenaphthylene
Concen: 5.286 ng
RT: 14.15 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:152 Resp: 131272

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.8	10.6	16.0

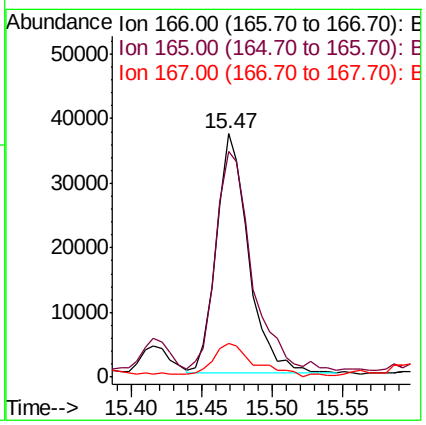


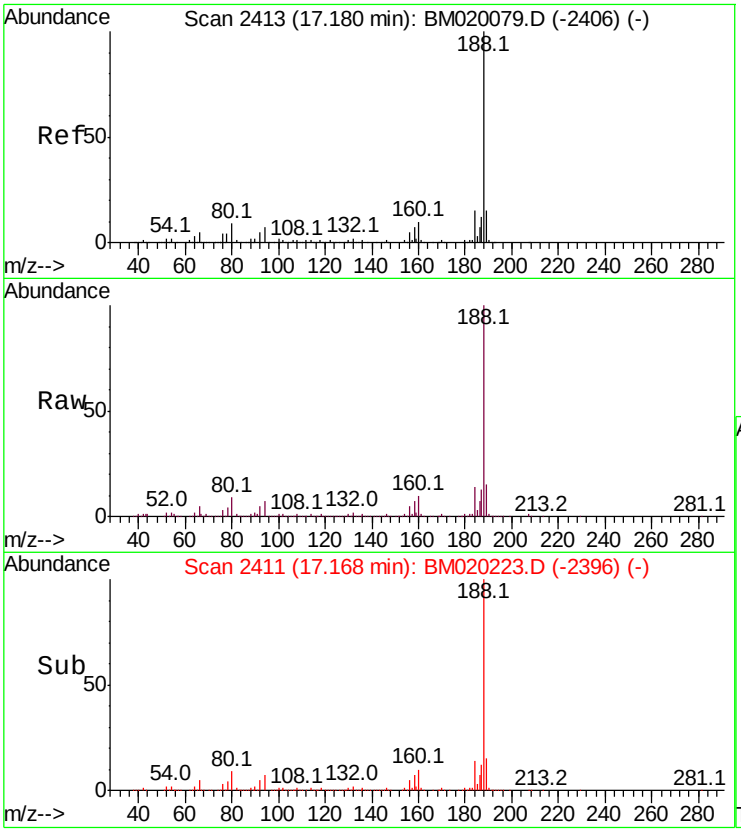


#58
Fluorene
Concen: 2.961 ng
RT: 15.47 min Scan# 2122
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:166 Resp: 58424

Ion	Ratio	Lower	Upper
166	100		
165	92.6	78.2	117.2
167	14.1	11.0	16.4



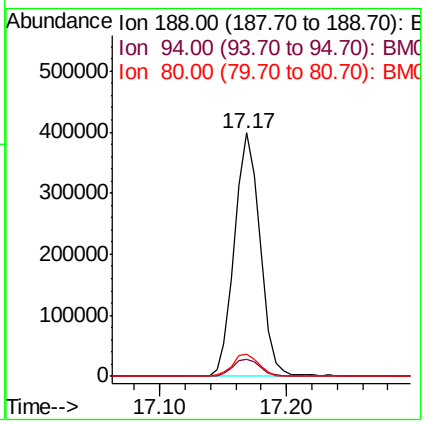


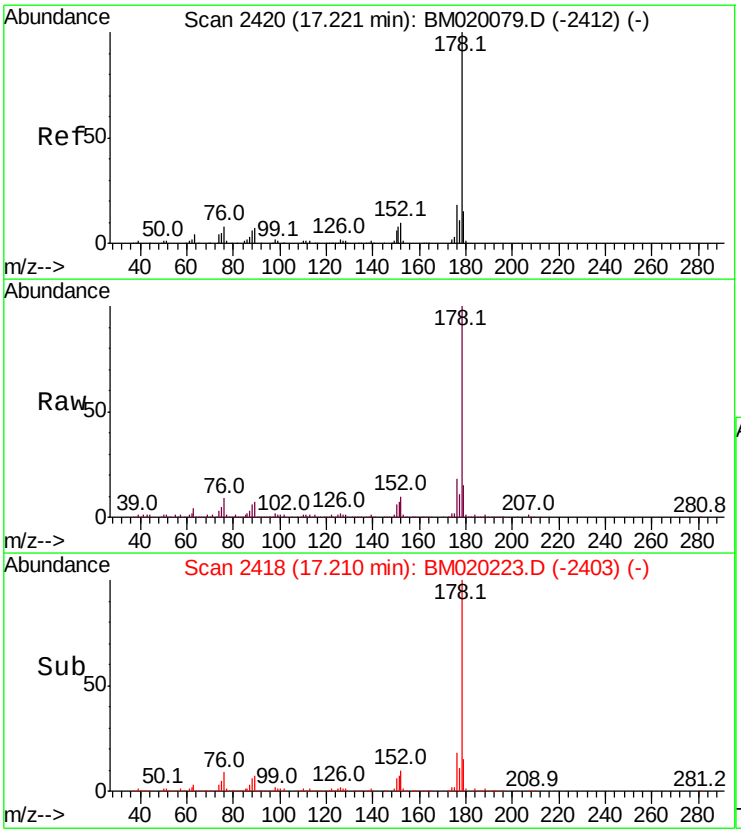
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.17 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:188 Resp: 554267

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	9.2	7.4	11.2

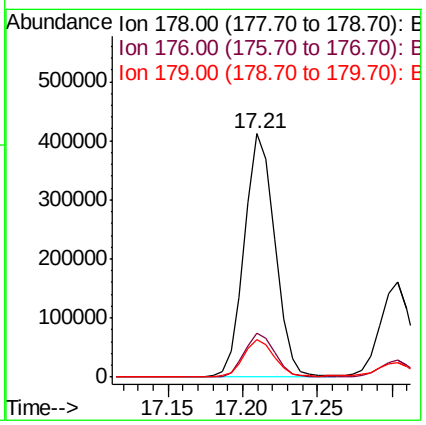


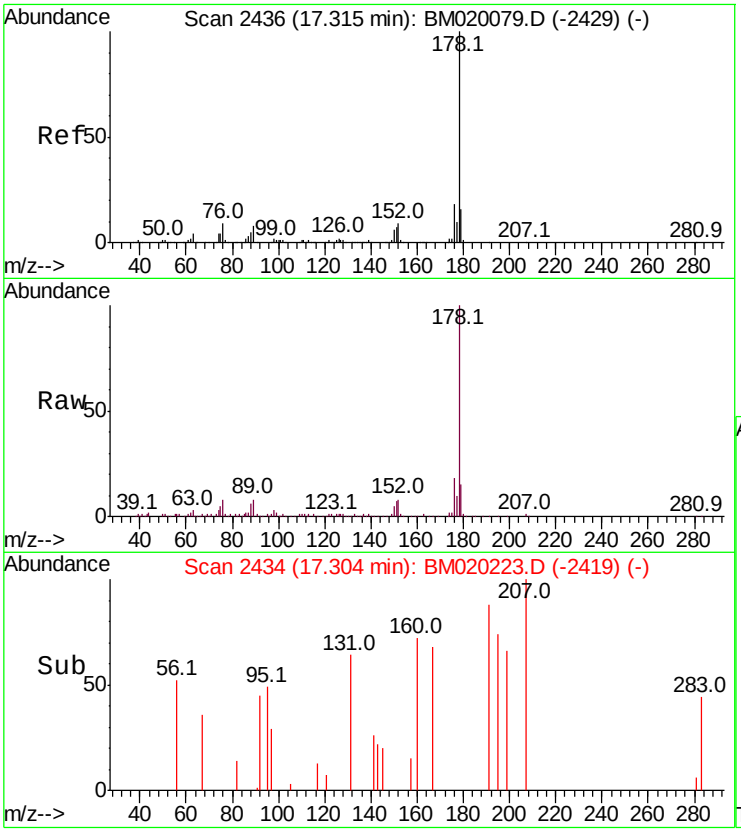


#71
Phenanthrene
Concen: 19.004 ng
RT: 17.21 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:178 Resp: 581443

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.5	12.4	18.6



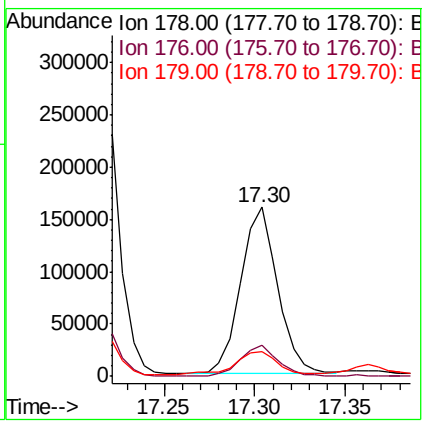


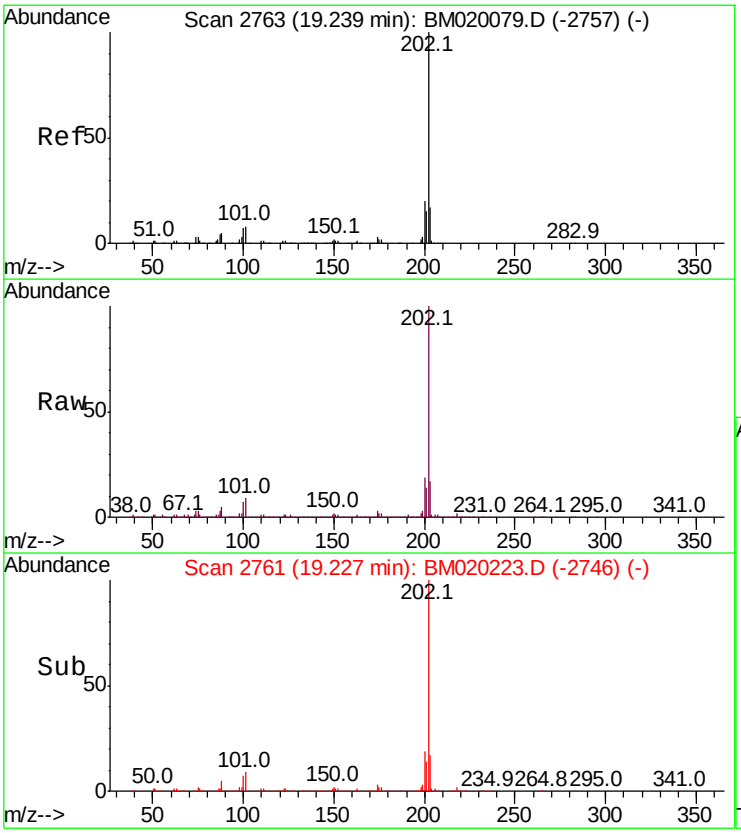
#72
Anthracene
Concen: 7.385 ng
RT: 17.30 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:178 Resp: 225903

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	22.0
179	14.7	12.4	18.6

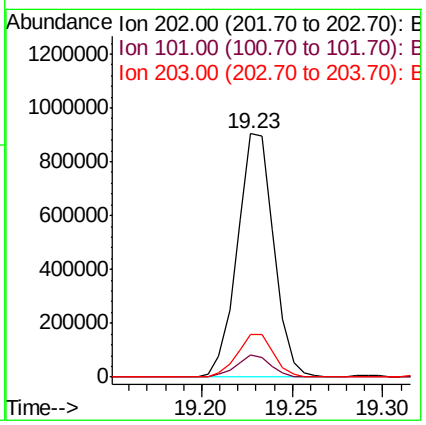


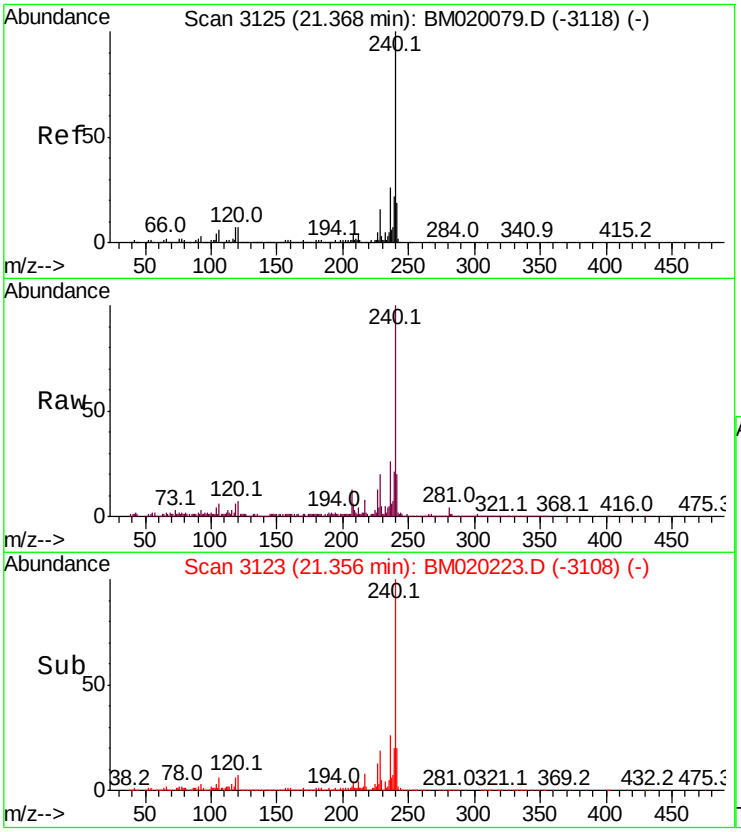


#75
Fluoranthene
Concen: 32.453 ng
RT: 19.23 min Scan# 2761
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:202 Resp: 1256316

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.4
203	17.5	0.0	37.4



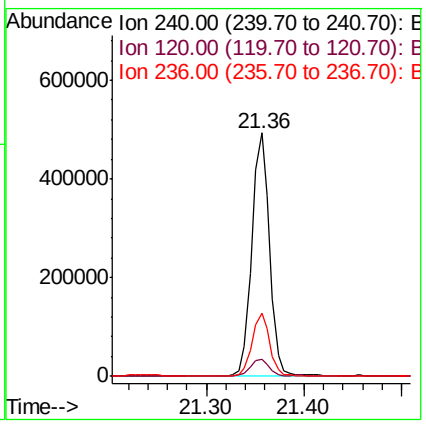


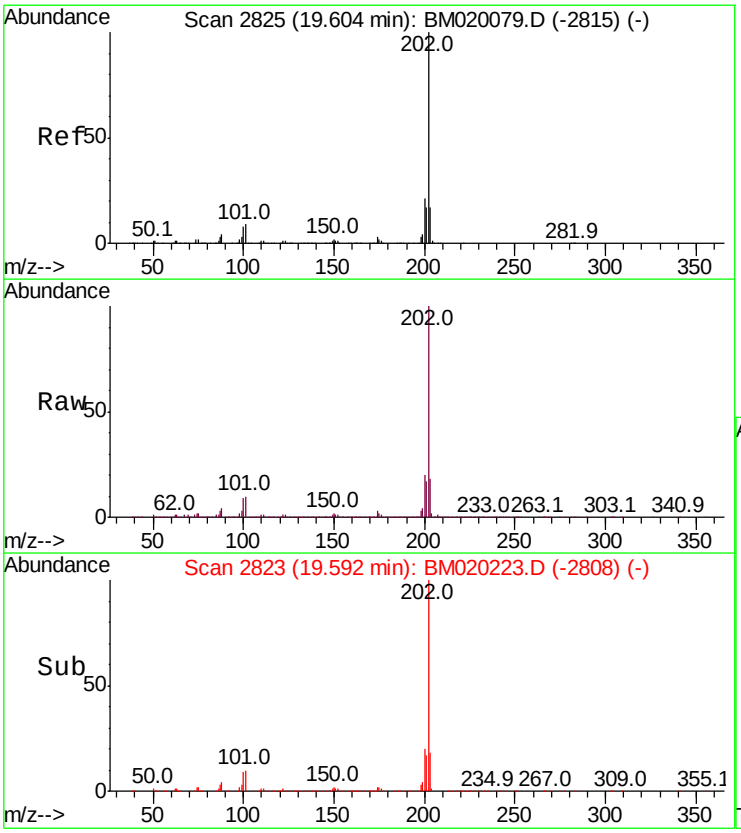
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:240 Resp: 629745

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.6	8.4
236	26.1	20.9	31.3

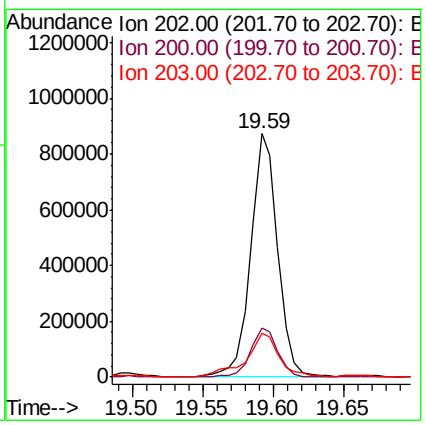


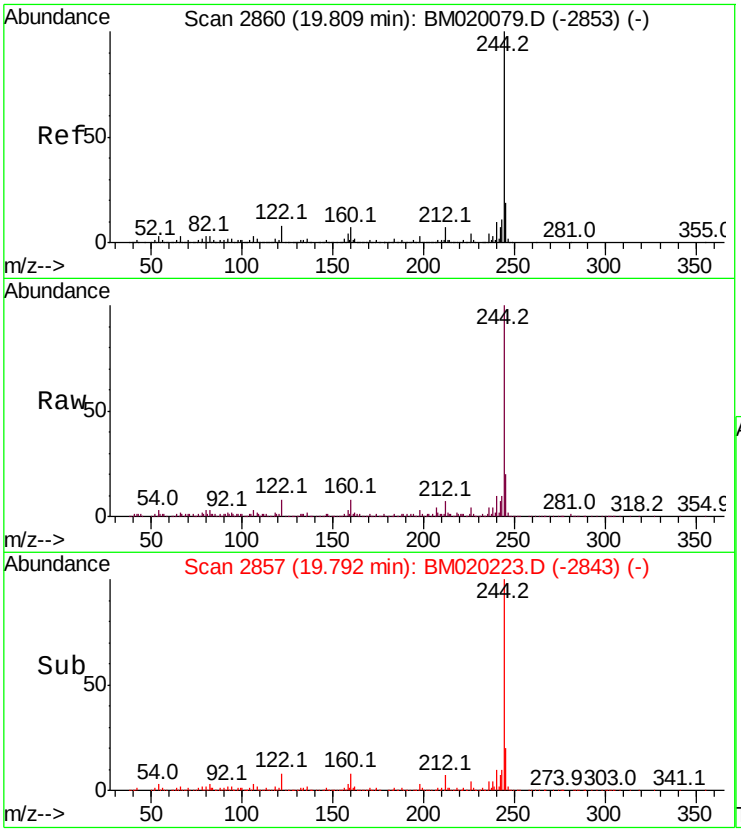


#78
Pyrene
Concen: 27.499 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:202 Resp: 1162651

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.5	24.7
203	17.9	13.9	20.9



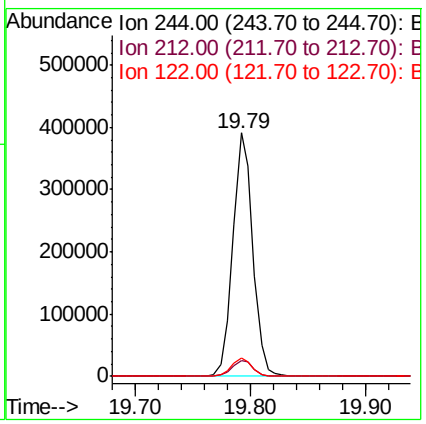


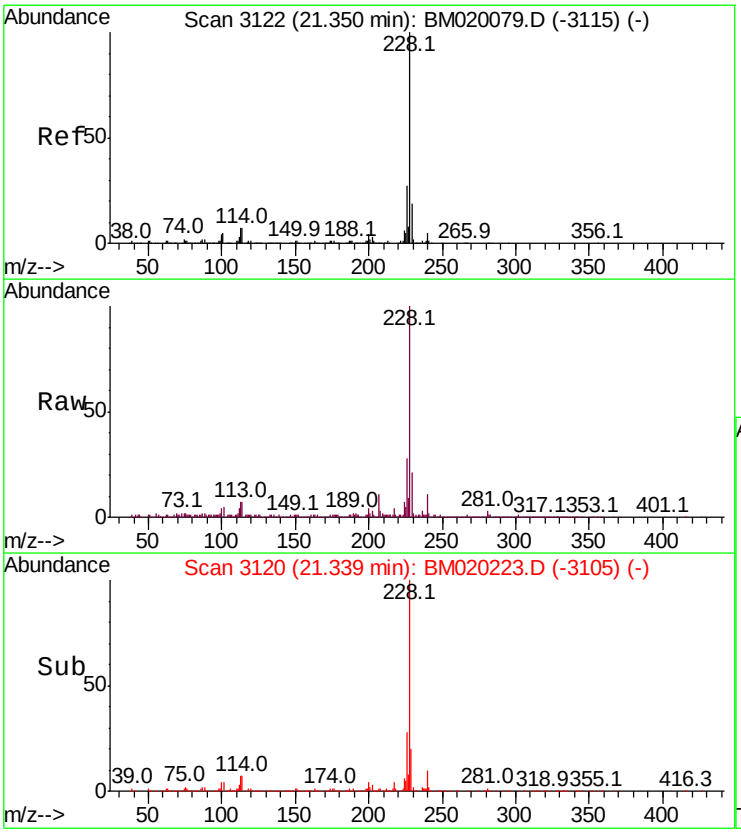
#79
Terphenyl-d14
Concen: 12.946 ng
RT: 19.79 min Scan# 2857
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:244 Resp: 467426

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	7.7	6.2	9.2

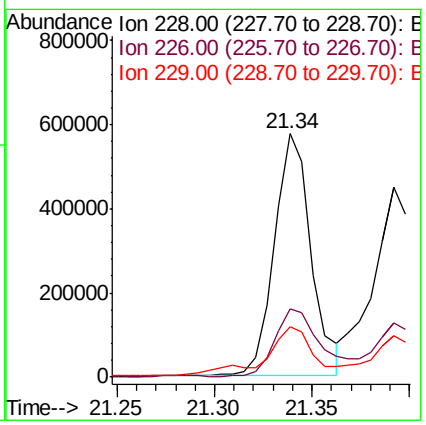


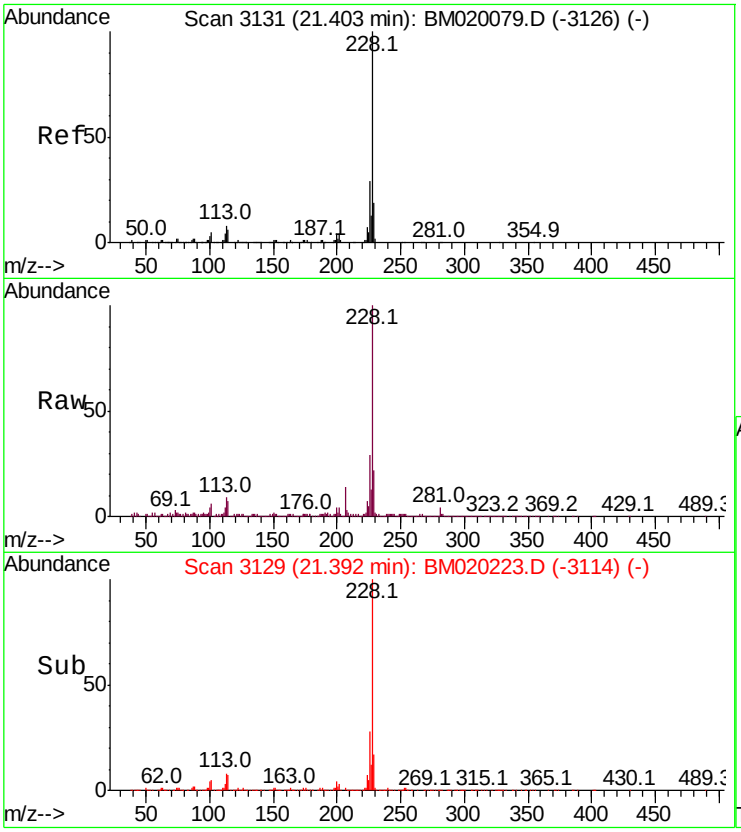


#81
Benzo(a)anthracene
Concen: 16.958 ng
RT: 21.34 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:228 Resp: 748914

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.3	31.9
229	20.9	15.5	23.3



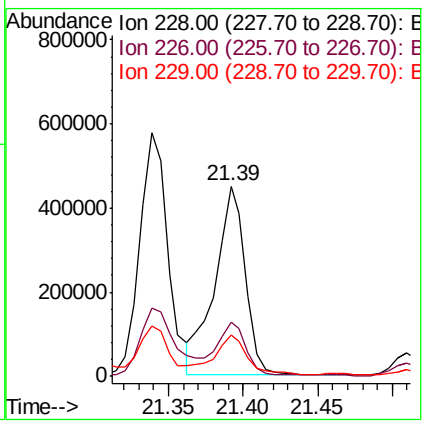


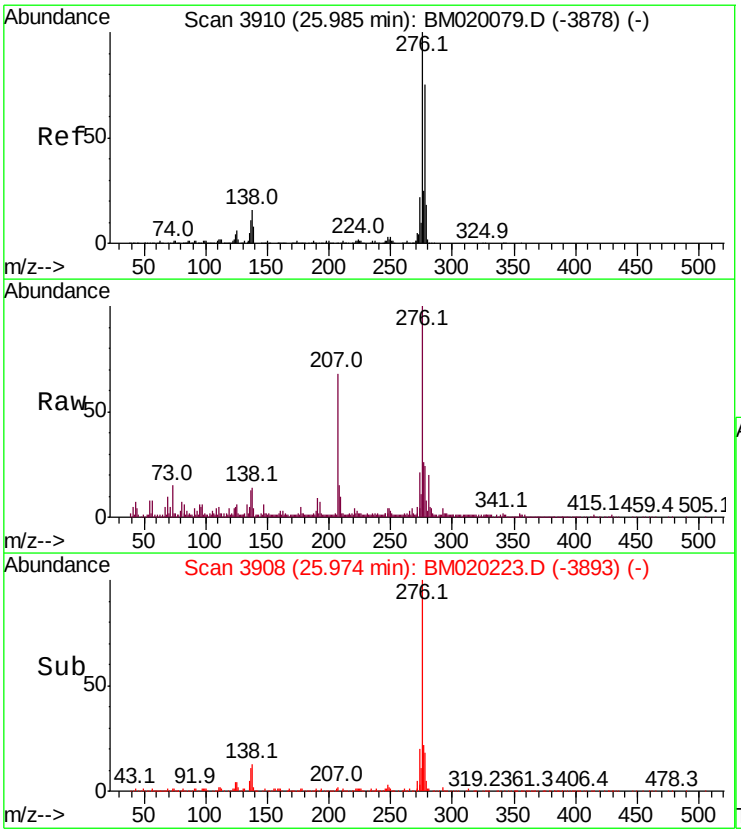
#83
Chrysene
Concen: 15.003 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:228 Resp: 642596

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.6
229	21.9	15.5	23.3

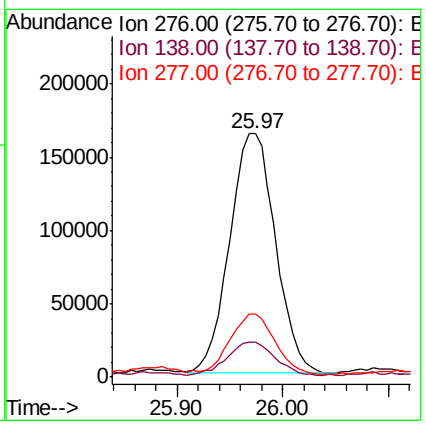


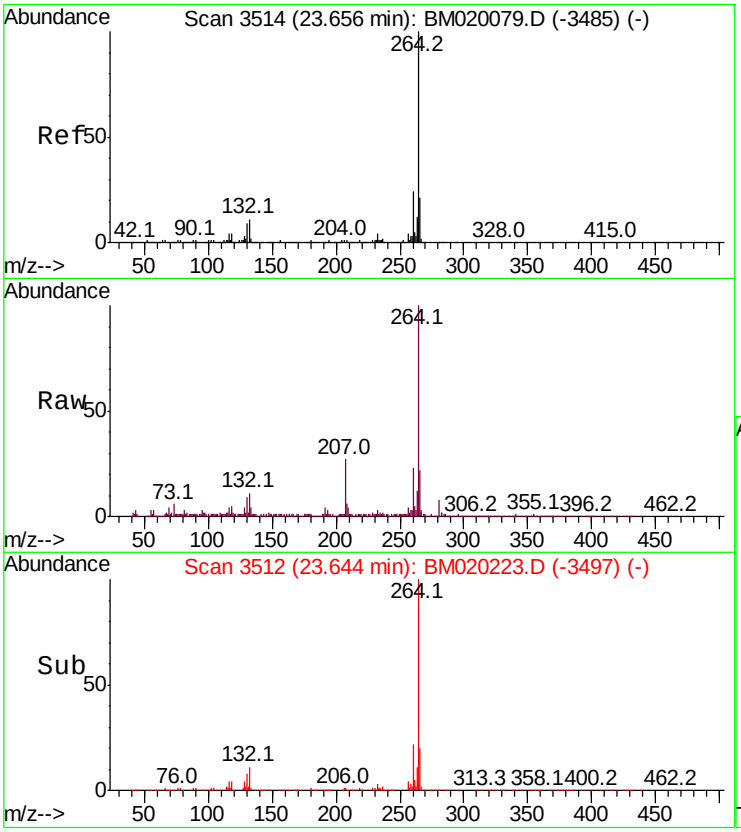


#86
Indeno(1,2,3-cd)pyrene
Concen: 9.606 ng
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:276 Resp: 489396

Ion	Ratio	Lower	Upper
276	100		
138	14.4	0.0	0.0#
277	25.0	0.0	0.0#



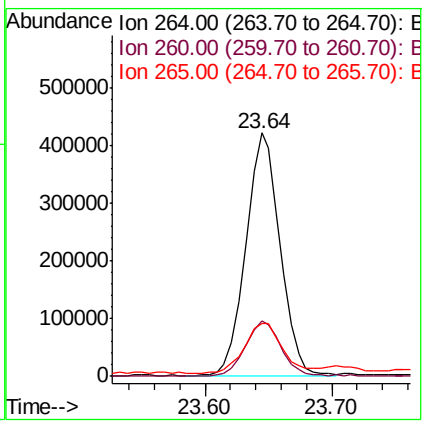


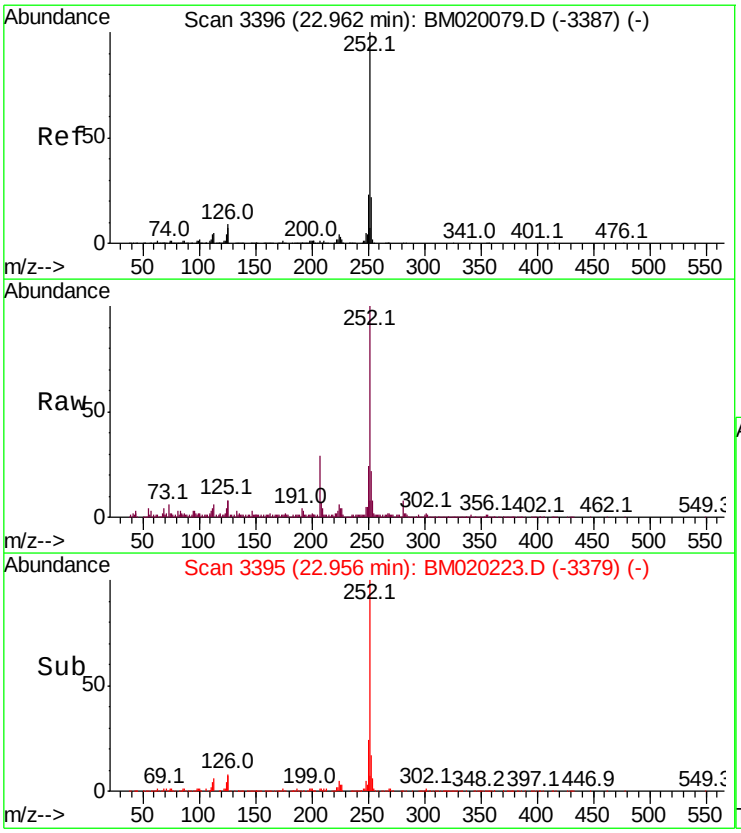
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:264 Resp: 789939

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	21.6	16.9	25.3

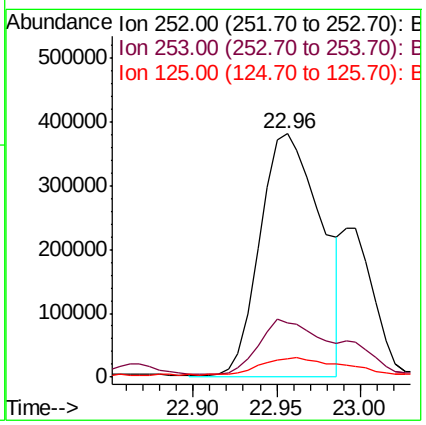


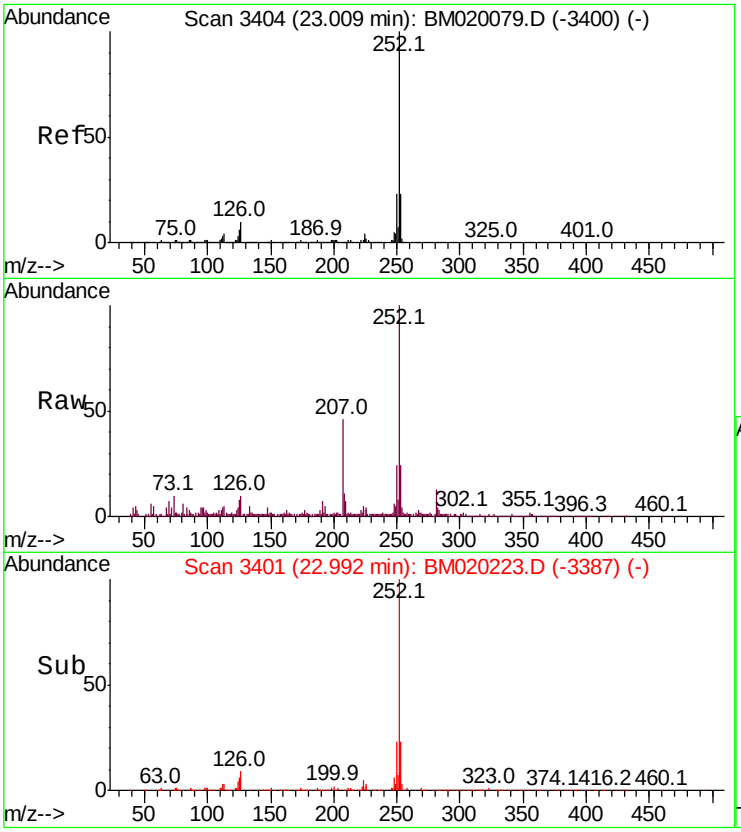


#88
Benzo(b)fluoranthene
Concen: 18.849 ng m
RT: 22.96 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:252 Resp: 983225

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	7.7	5.4	8.2



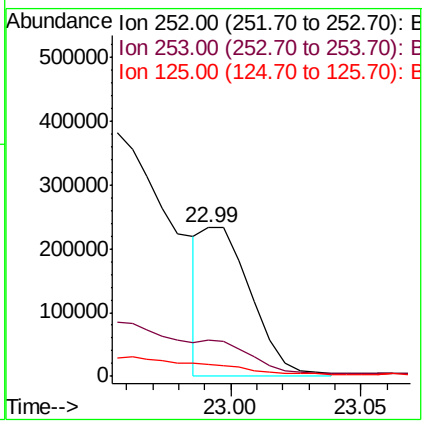


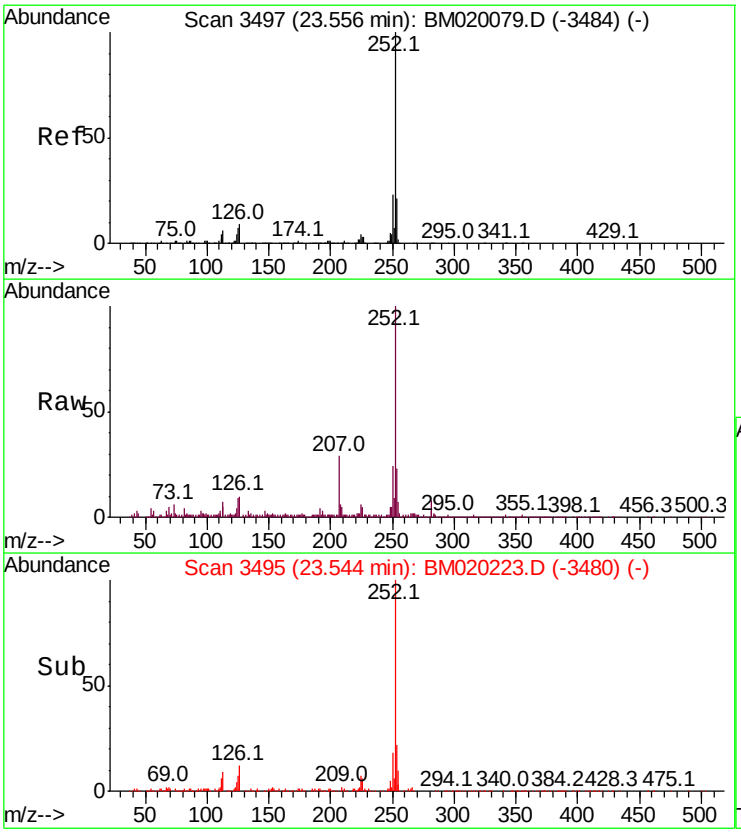
#89
Benzo(k)fluoranthene
Concen: 6.394 ng m
RT: 22.99 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:252 Resp: 304261

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	8.4	5.4	8.0#

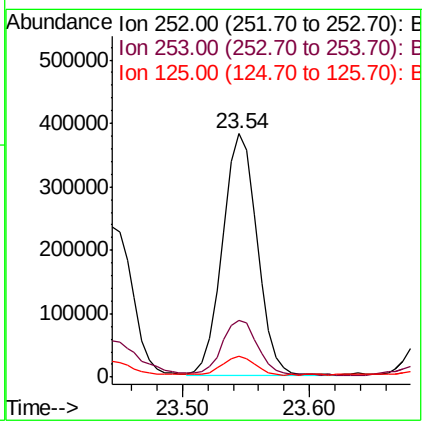


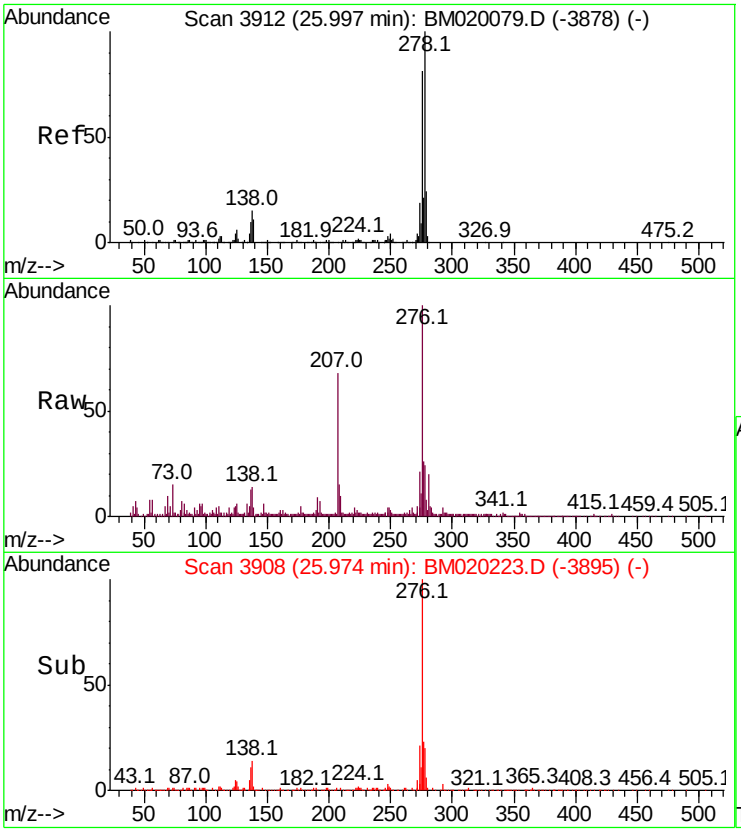


#90
Benzo(a)pyrene
Concen: 15.112 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:252 Resp: 716012

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	8.6	5.5	8.3#



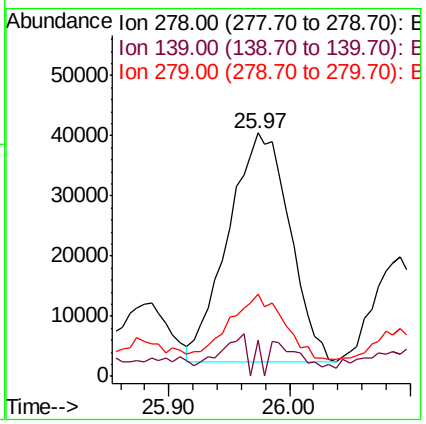


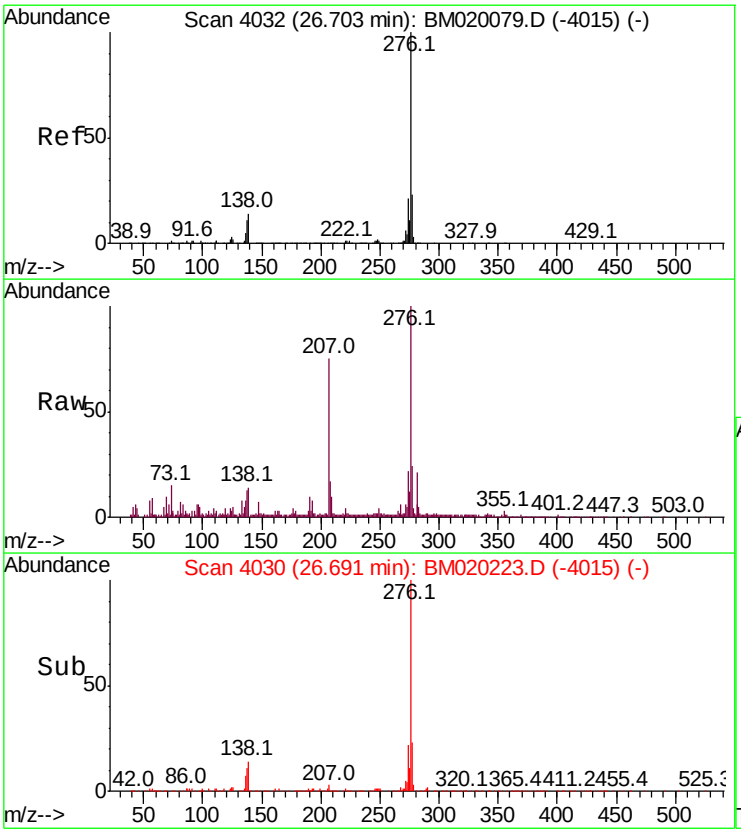
#91
Dibenzo(a,h)anthracene
Concen: 2.737 ng
RT: 25.97 min Scan# 3908
Delta R.T. -0.02 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

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

Tgt Ion:278 Resp: 134857

Ion	Ratio	Lower	Upper
278	100		
139	15.0	8.6	13.0#
279	33.6	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 9.964 ng
RT: 26.69 min Scan# 4030
Delta R.T. -0.01 min
Lab File: BM020223.D
Acq: 09 May 2019 18:39

Tgt Ion:276 Resp: 466152

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	14.4	11.1	16.7