Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020222.D
Acq On : 09 May 2019 18:02
Operator : JU/SJ
Sample : K2645-03 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 10 05:21:48 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	115607	20.00	ng		-0.02
21) Naphthalene-d8	10.57	136	411180	20.00	ng		-0.02
39) Acenaphthene-d10	14.42	164	243847	20.00	ng		-0.01
64) Phenanthrene-d10	17.17	188	576239	20.00	ng		-0.01
76) Chrysene-d12	21.36	240	636554	20.00	ng		-0.01
87) Perylene-d12	23.64	264	783029	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	128230	18.13	ng		-0.01
7) Phenol-d6	6.94	99	167735	17.36	ng		-0.01
23) Nitrobenzene-d5	8.94	82	122463	11.76	ng		-0.02
42) 2,4,6-Tribromophenol	15.91	330	68334	18.05	ng		-0.01
45) 2-Fluorobiphenyl	13.03	172	215205	10.86	ng		-0.02
79) Terphenyl-d14	19.79	244	344996	9.45	ng		-0.02
Target Compounds							Qvalue
49) Acenaphthylene	14.15	152	79597	3.104	ng		98
58) Fluorene	15.47	166	79994	3.926	ng		98
71) Phenanthrene	17.21	178	828654	26.051	ng		98
72) Anthracene	17.30	178	233765	7.350	ng		100
73) Carbazole	17.58	167	66148	2.305	ng		98
75) Fluoranthene	19.23	202	1337384	33.230	ng		99
78) Pyrene	19.59	202	1166169	27.287	ng		99
81) Benzo(a)anthracene	21.34	228	680476	15.243	ng		98
83) Chrysene	21.39	228	562906	13.002	ng		97
86) Indeno(1,2,3-cd)pyrene	25.97	276	393734	7.646	ng	#	100
88) Benzo(b)fluoranthene	22.95	252	771478m	14.920	ng		
89) Benzo(k)fluoranthene	22.99	252	293950m	6.232	ng		
90) Benzo(a)pyrene	23.54	252	587586	12.511	ng		96
91) Dibenzo(a,h)anthracene	25.97	278	106233	2.175	ng	#	90
92) Benzo(g,h,i)perylene	26.69	276	365115	7.874	ng		99

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

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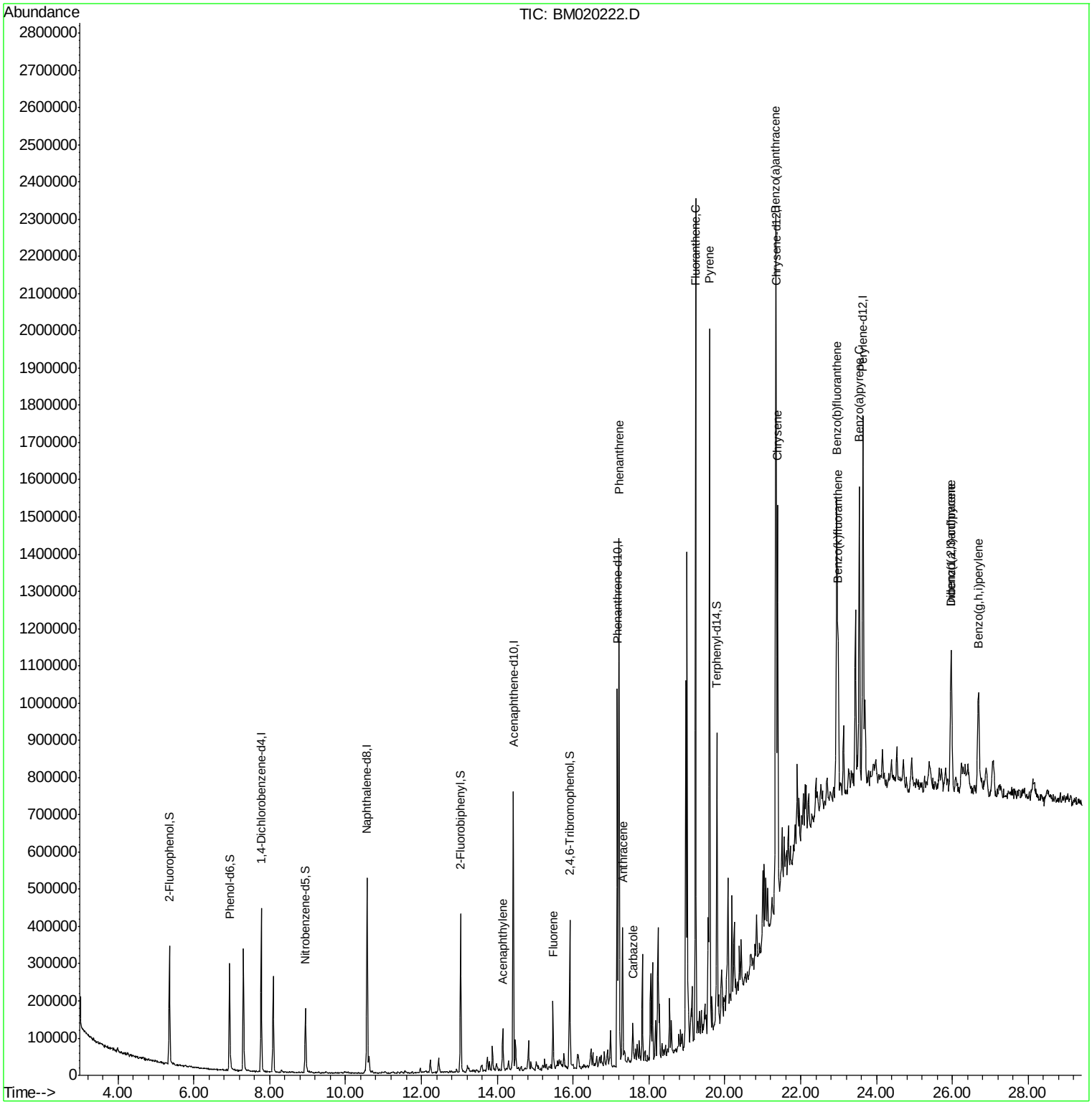
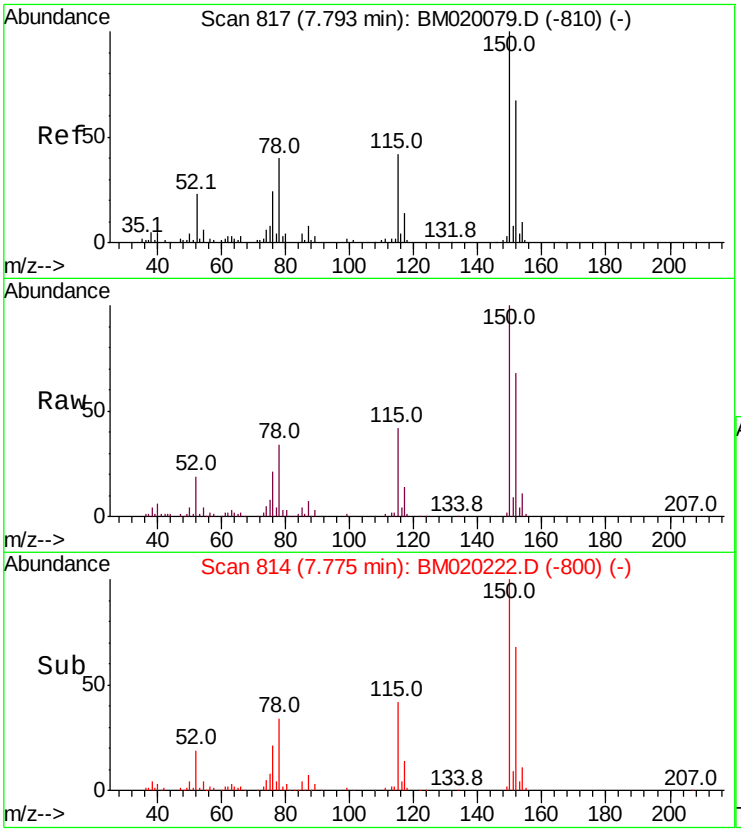


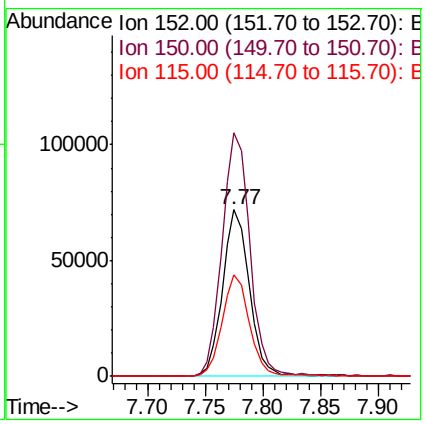


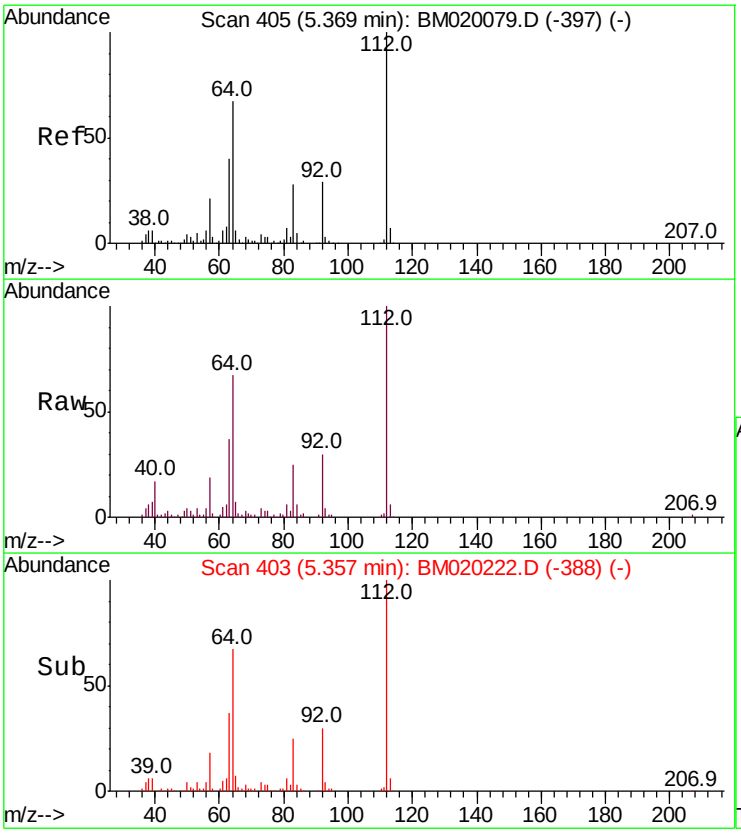
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.77 min Scan# 814
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:152 Resp: 115607

Ion	Ratio	Lower	Upper
152	100		
150	146.5	119.8	179.8
115	61.4	50.8	76.2

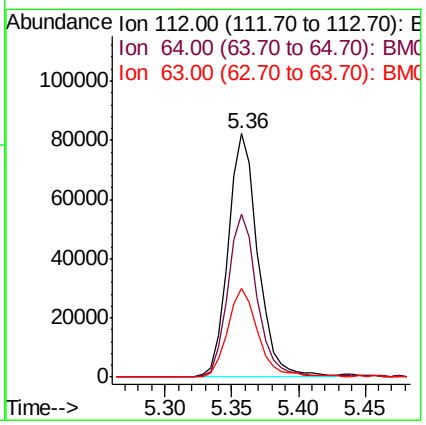


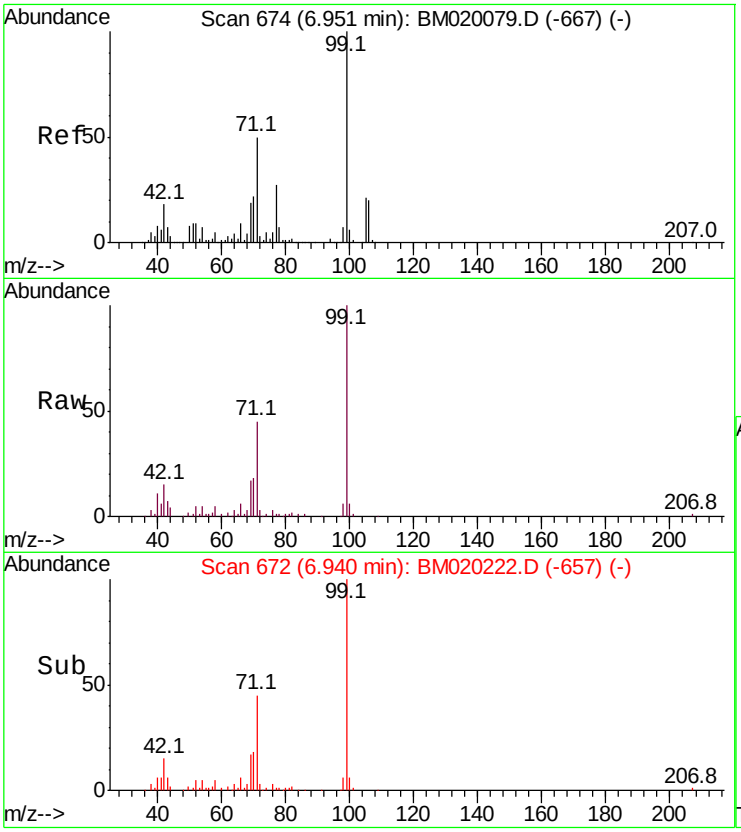


#5
2-Fluorophenol
Concen: 18.131 ng
RT: 5.36 min Scan# 403
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:112 Resp: 128230

Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.8	80.6
63	36.6	32.3	48.5



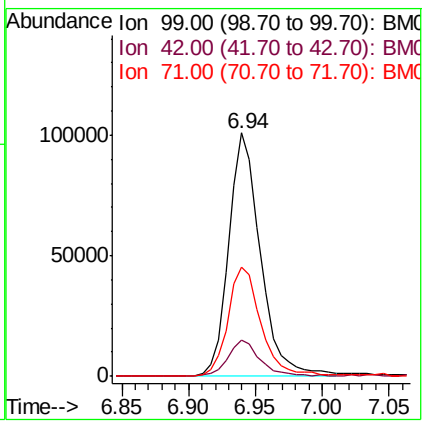


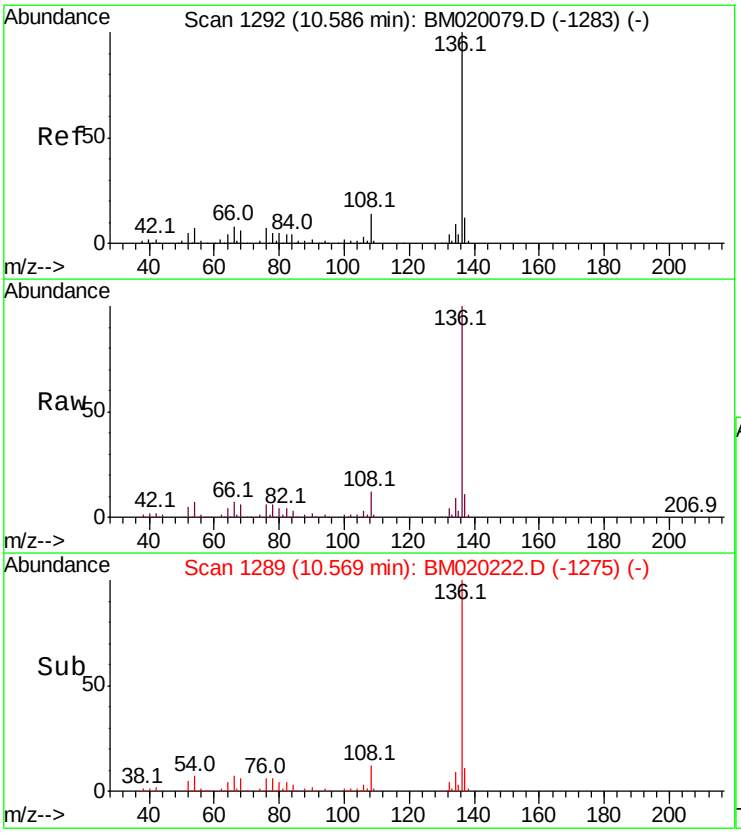
#7
Phenol-d6
Concen: 17.360 ng
RT: 6.94 min Scan# 672
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion: 99 Resp: 167735

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.2	21.2
71	44.8	40.3	60.5

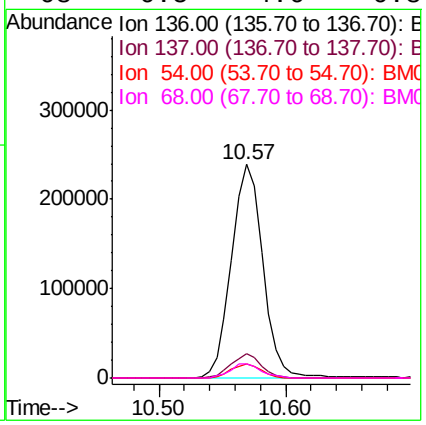


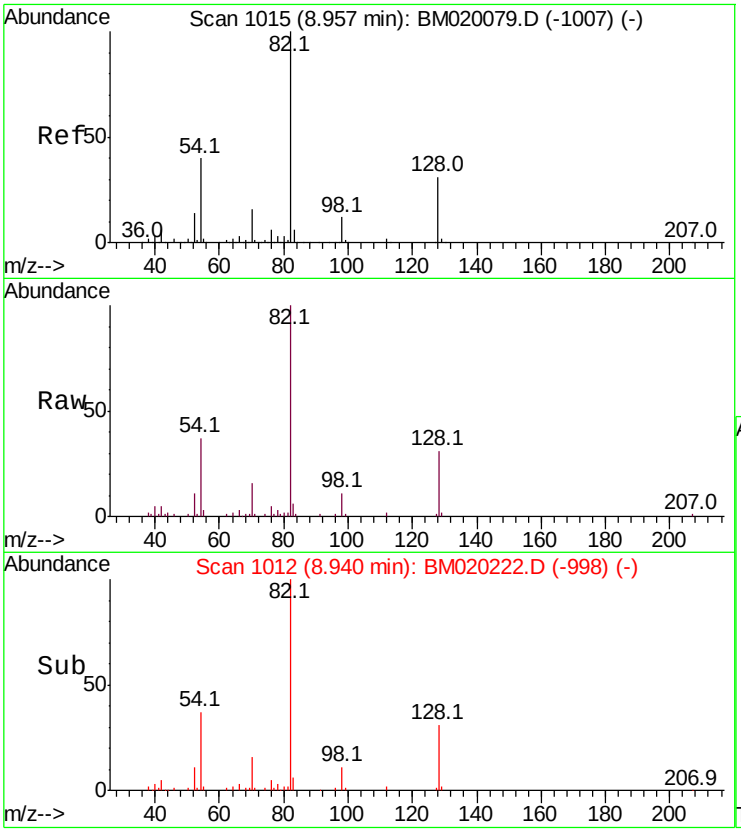


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.57 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:136 Resp: 411180

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	6.6	5.5	8.3
68	6.5	4.6	6.8



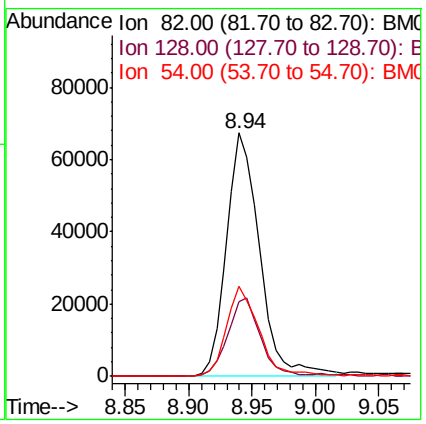


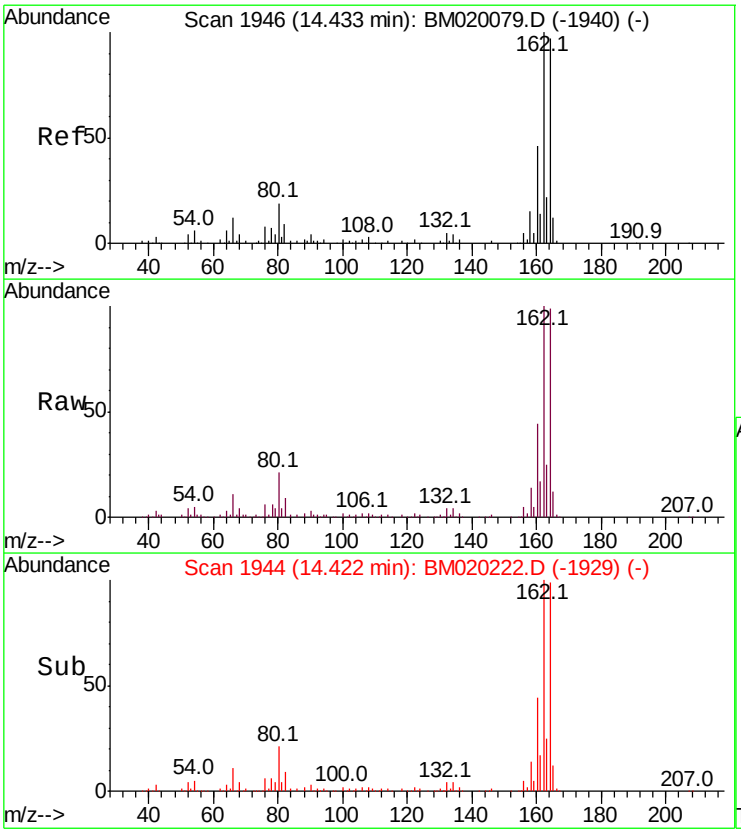
#23
Nitrobenzene-d5
Concen: 11.758 ng
RT: 8.94 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion: 82 Resp: 122463

Ion	Ratio	Lower	Upper
82	100		
128	30.6	25.2	37.8
54	36.8	31.9	47.9

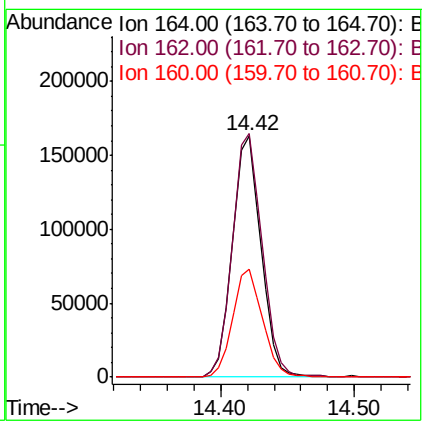


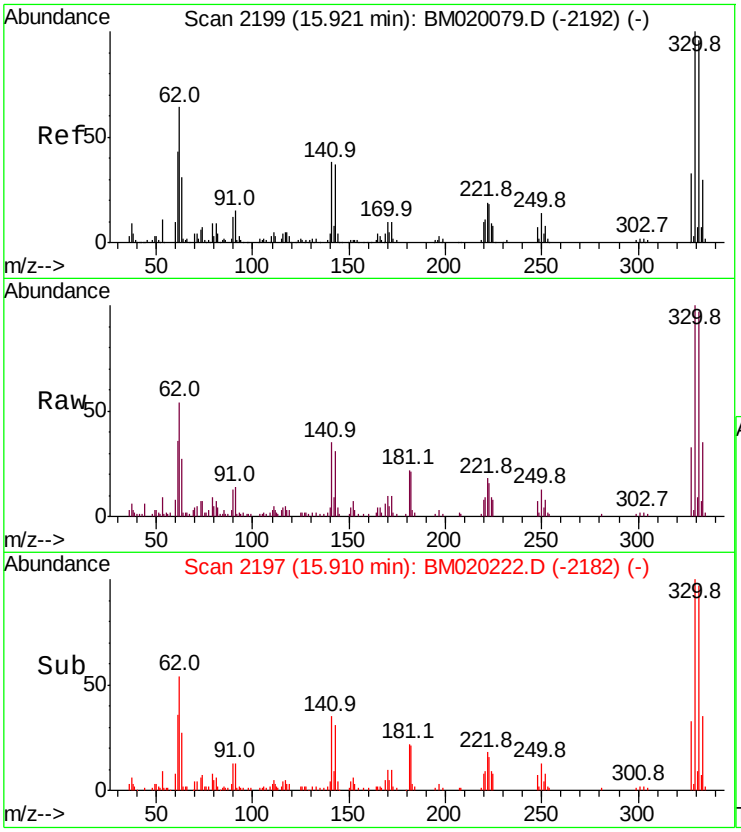


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:164 Resp: 243847

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	44.8	37.6	56.4



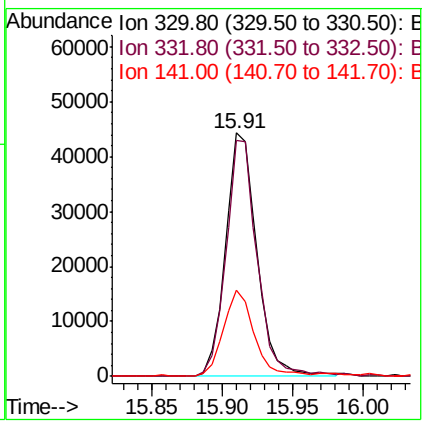


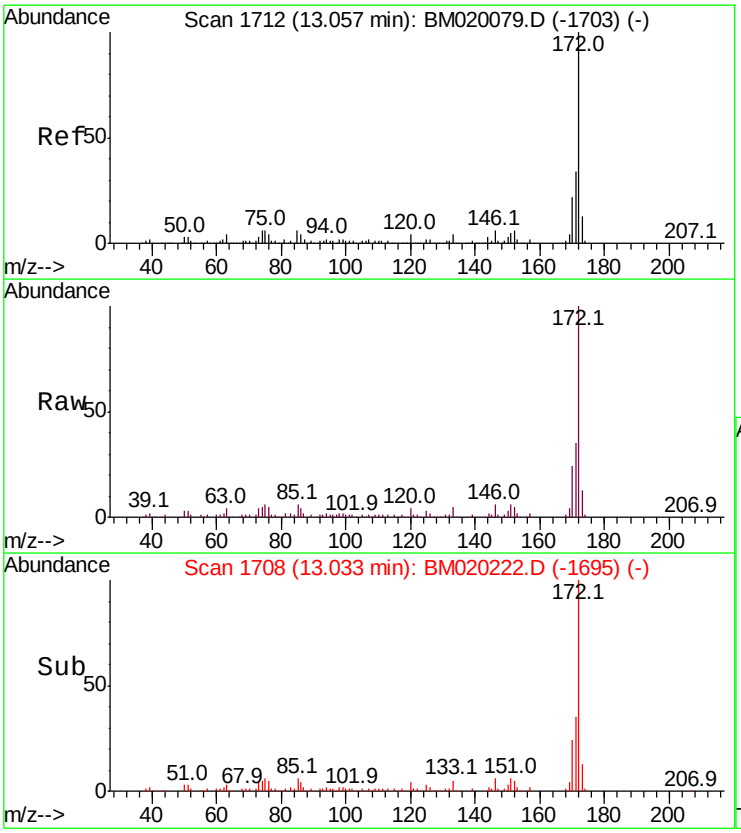
#42
2,4,6-Tribromophenol
Concen: 18.054 ng
RT: 15.91 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:330 Resp: 68334

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	34.8	29.2	43.8

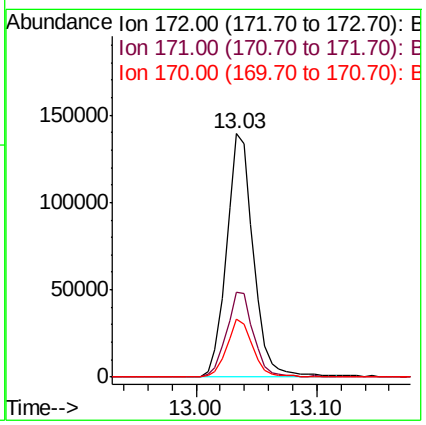


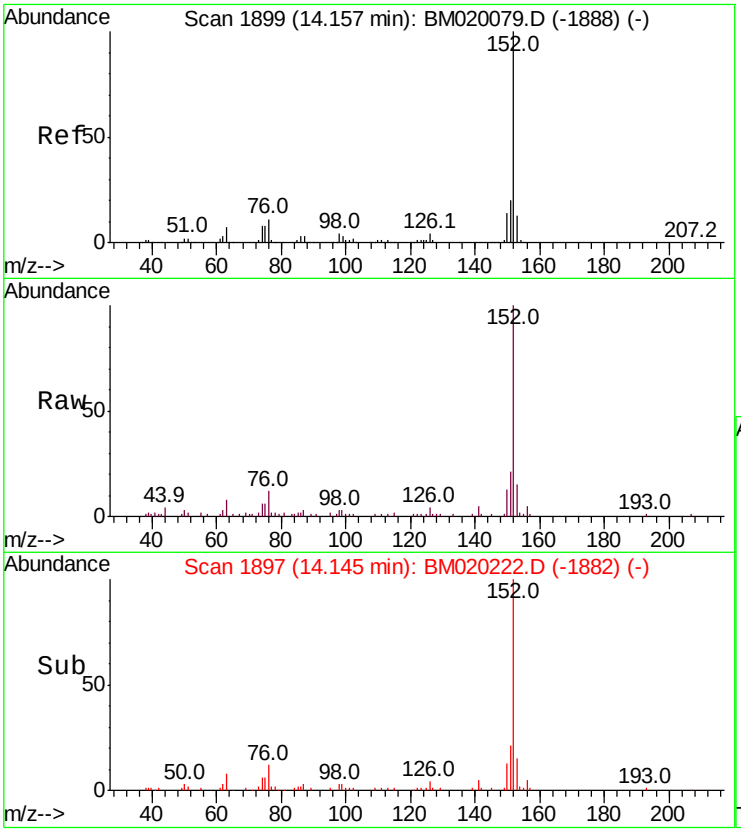


#45
2-Fluorobiphenyl
Concen: 10.858 ng
RT: 13.03 min Scan# 1708
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:172 Resp: 215205

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.3	40.9
170	23.7	17.9	26.9



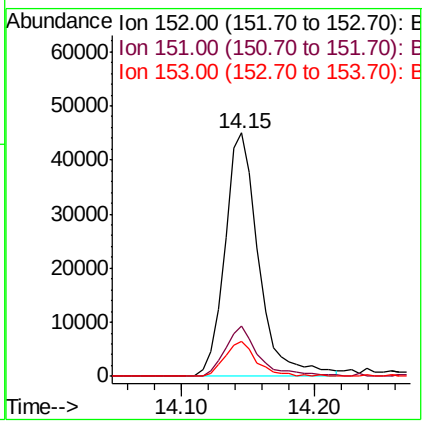


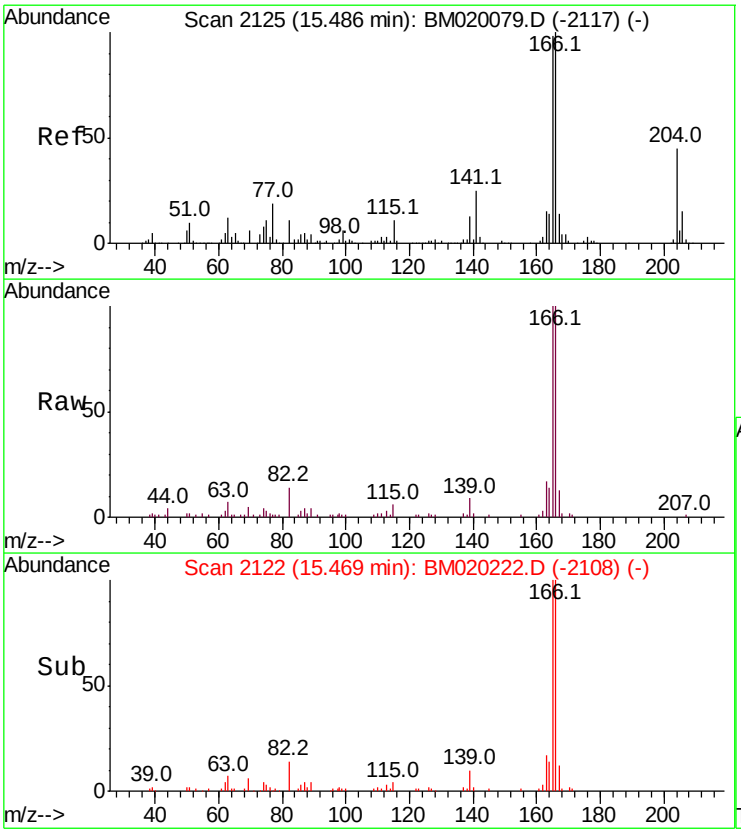
#49
Acenaphthylene
Concen: 3.104 ng
RT: 14.15 min Scan# 1897
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:152 Resp: 79597

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.6	10.6	16.0

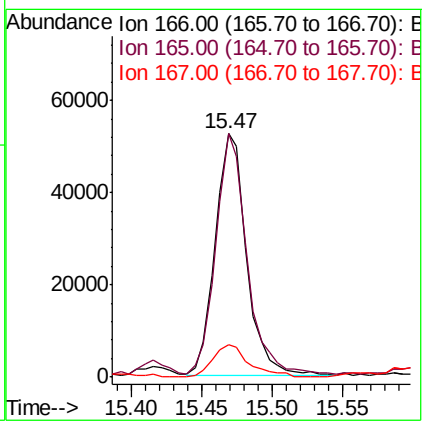


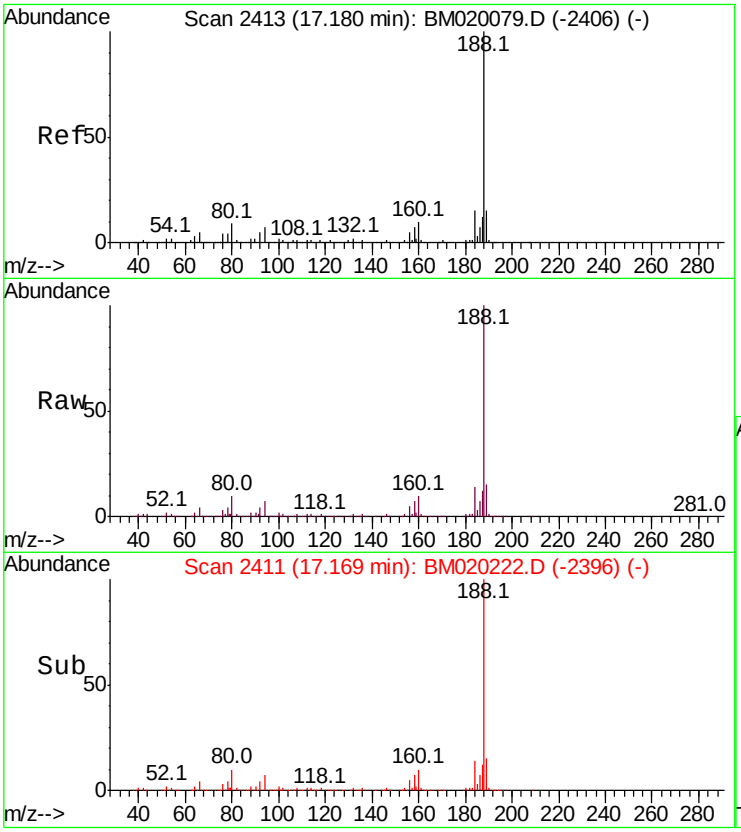


#58
Fluorene
Concen: 3.926 ng
RT: 15.47 min Scan# 2122
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:166 Resp: 79994

Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.2	117.2
167	13.3	11.0	16.4



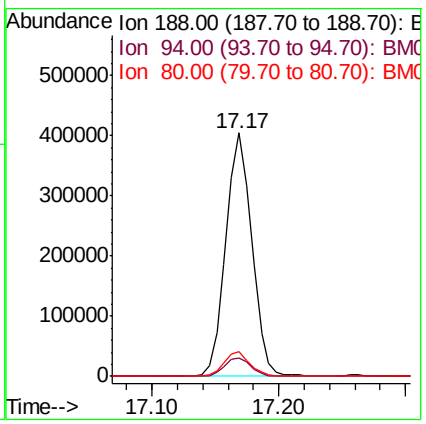


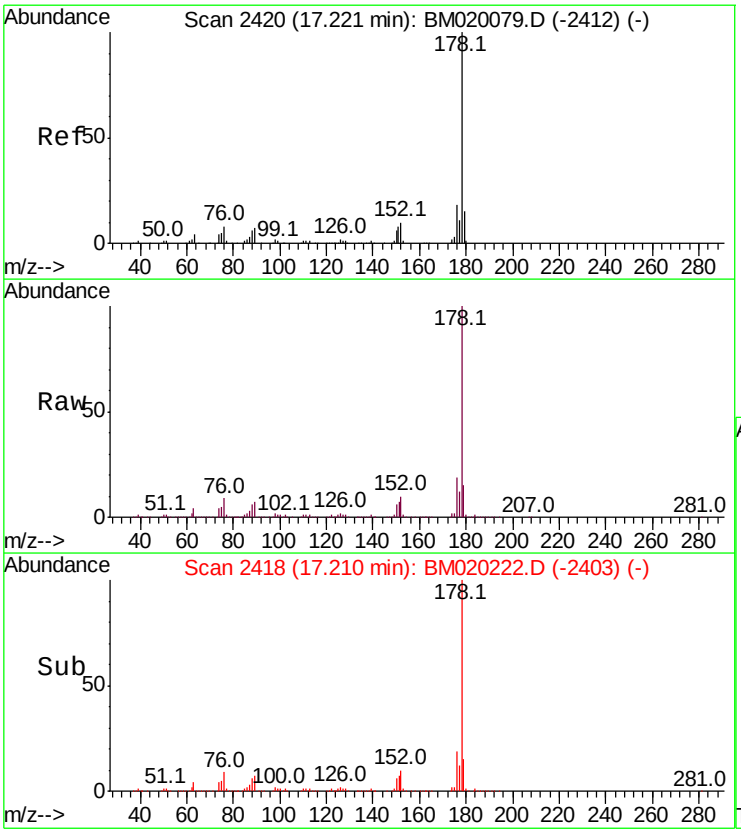
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.17 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:188 Resp: 576239

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	10.2	7.4	11.2

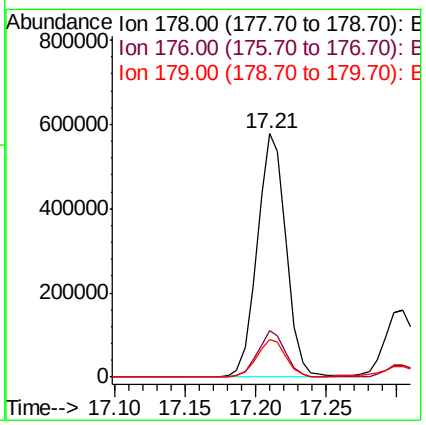


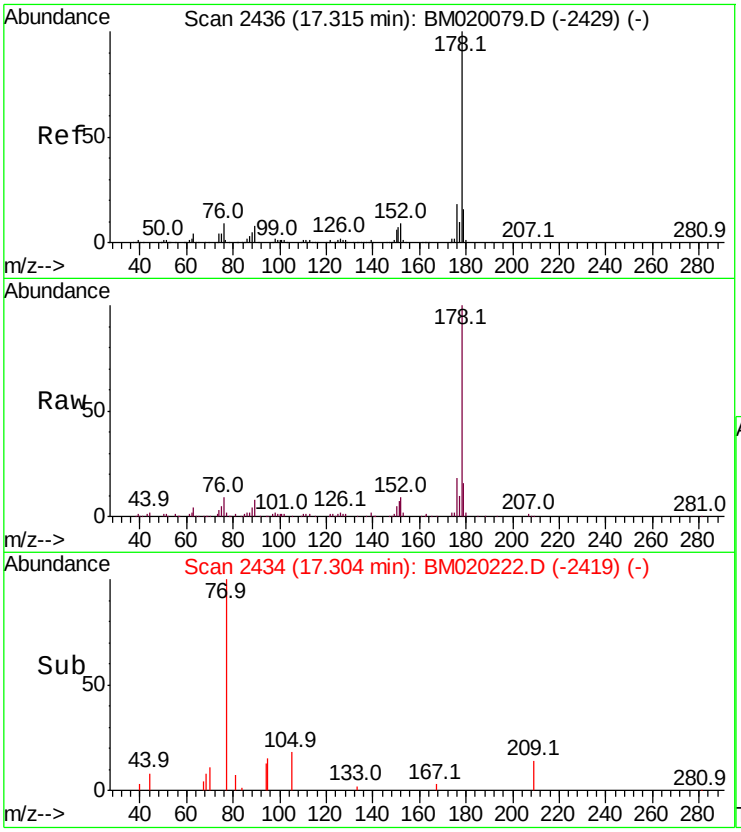


#71
Phenanthrene
Concen: 26.051 ng
RT: 17.21 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:178 Resp: 828654

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.6	21.8
179	15.3	12.4	18.6



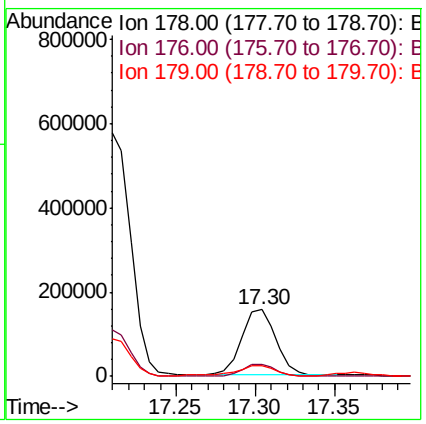


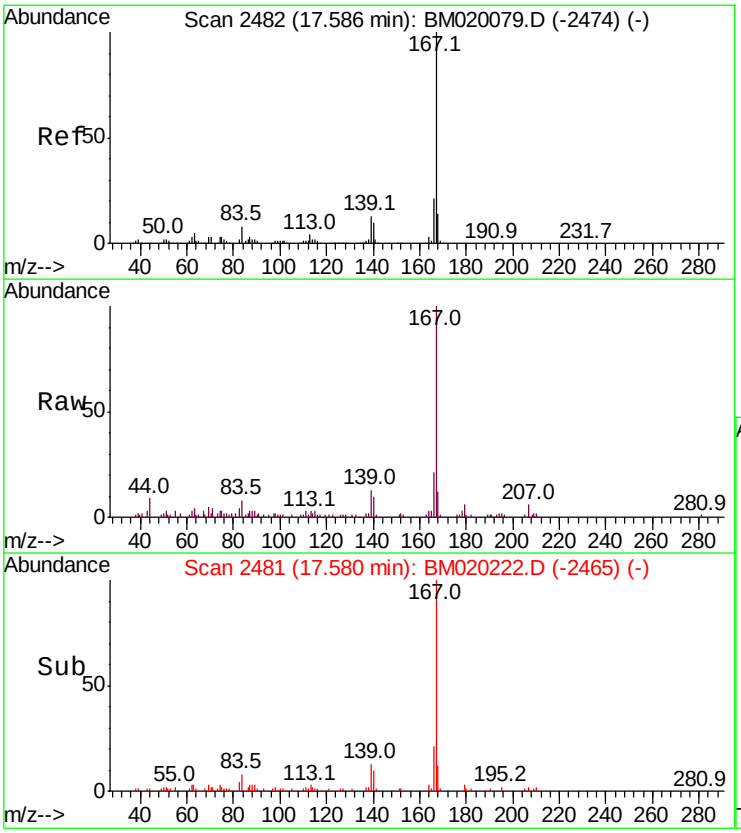
#72
Anthracene
Concen: 7.350 ng
RT: 17.30 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:178 Resp: 233765

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	15.5	12.4	18.6

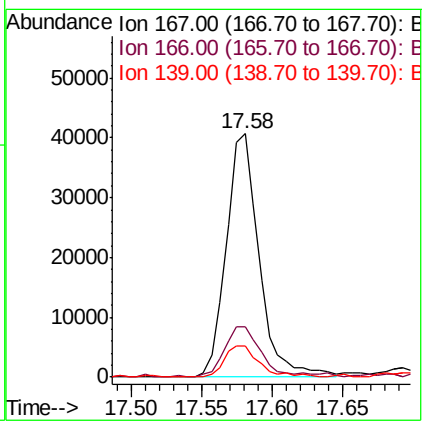


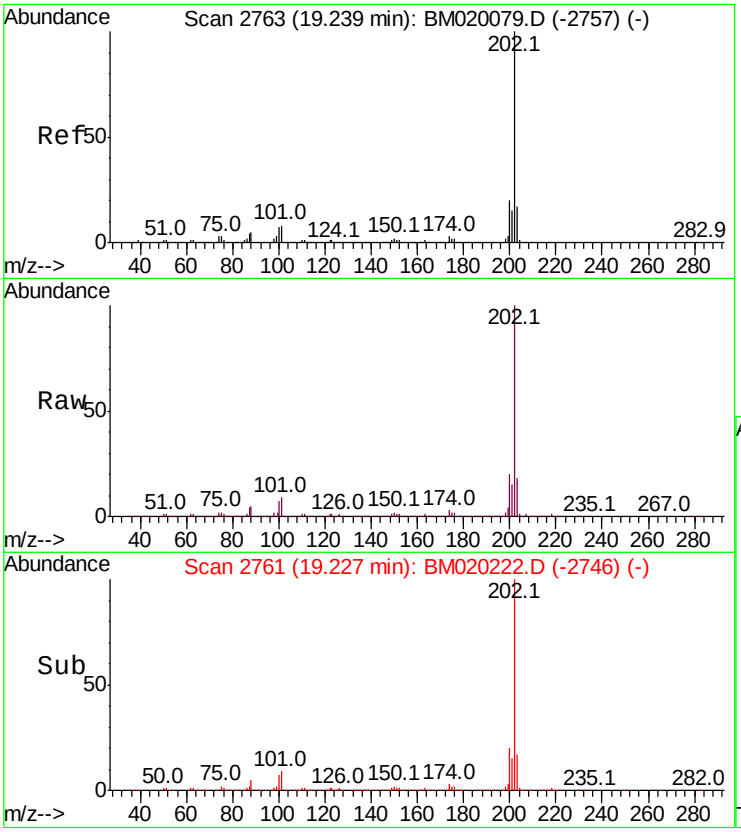


#73
Carbazole
Concen: 2.305 ng
RT: 17.58 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:167 Resp: 66148

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.0	25.6
139	12.8	10.6	16.0



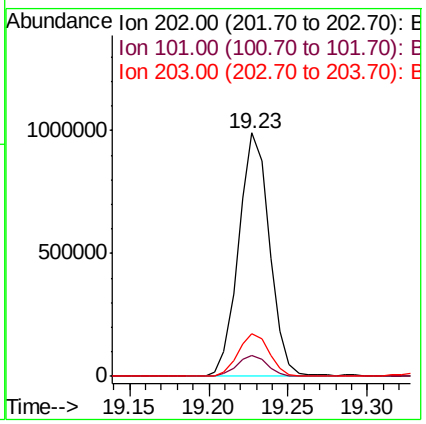


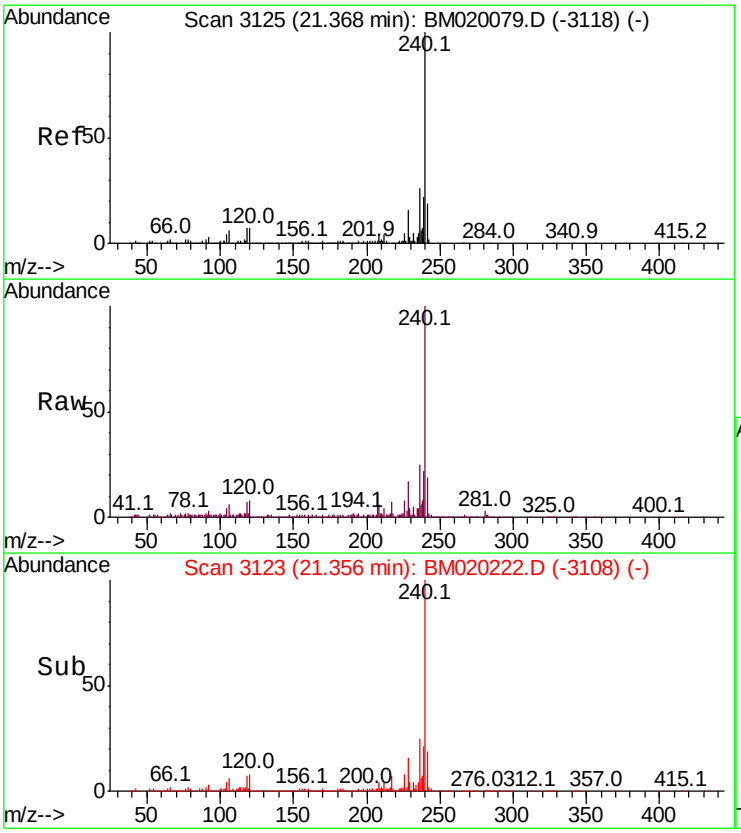
#75
Fluoranthene
Concen: 33.230 ng
RT: 19.23 min Scan# 2761
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:202 Resp: 1337384

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.4
203	17.6	0.0	37.4

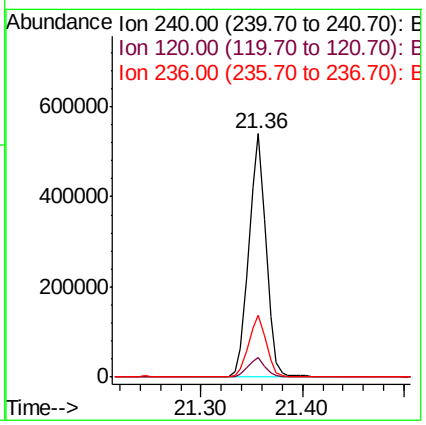


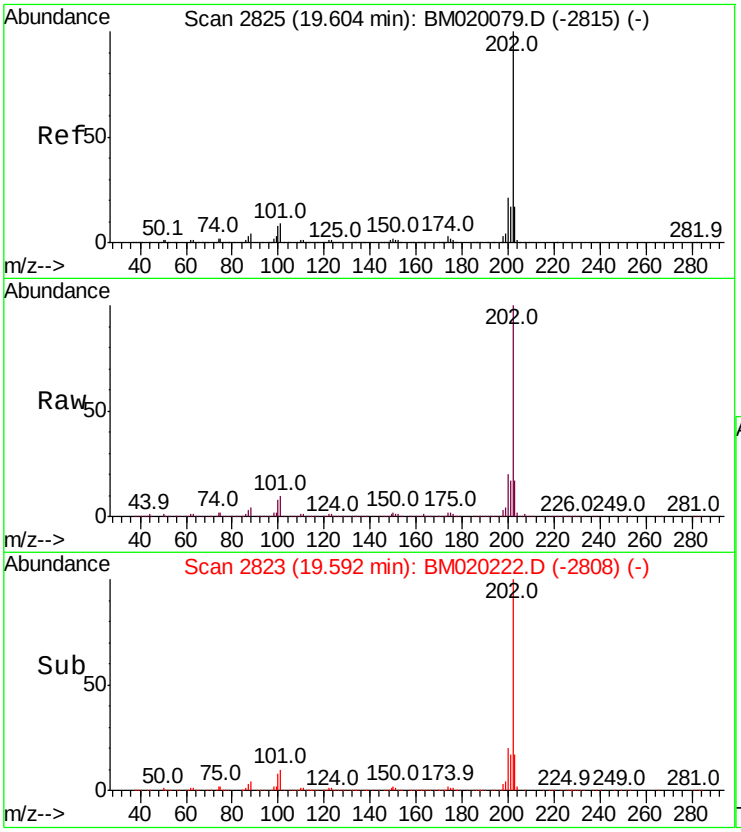


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:240 Resp: 636554

Ion	Ratio	Lower	Upper
240	100		
120	7.8	5.6	8.4
236	25.3	20.9	31.3



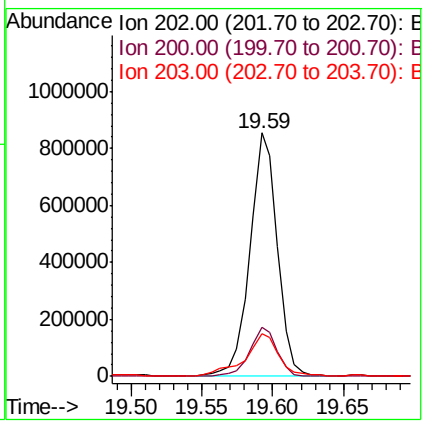


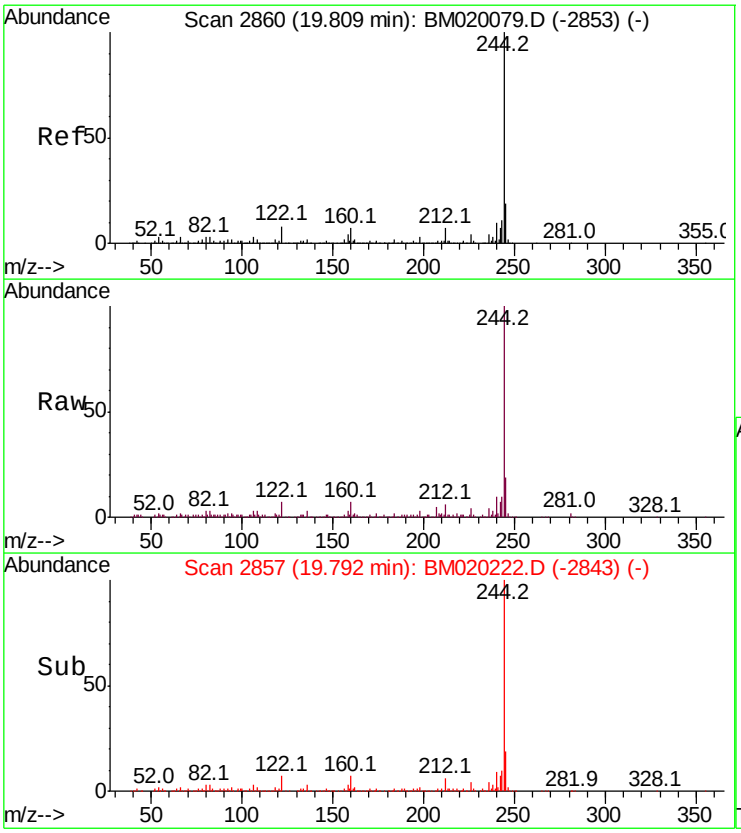
#78
Pyrene
Concen: 27.287 ng
RT: 19.59 min Scan# 2823
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:202 Resp: 1166169

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.5	24.7
203	17.3	13.9	20.9

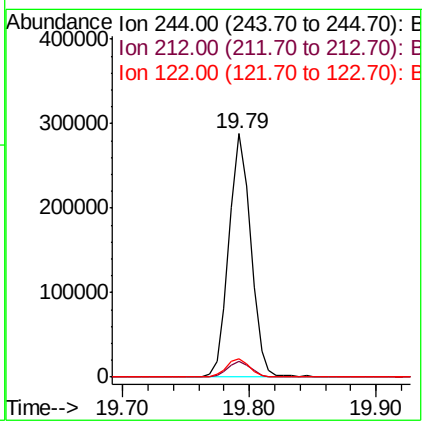


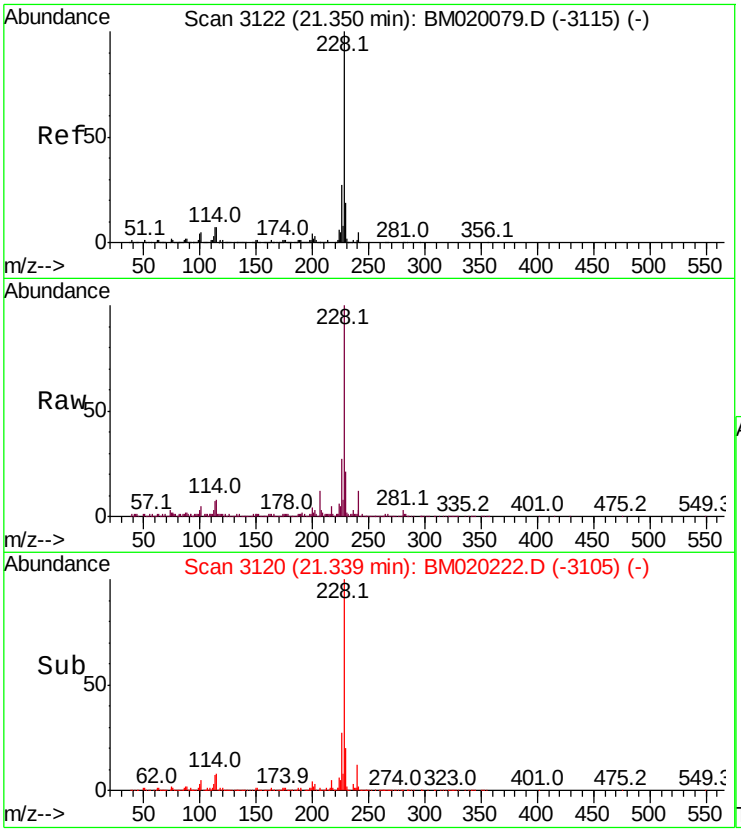


#79
Terphenyl-d14
Concen: 9.453 ng
RT: 19.79 min Scan# 2857
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:244 Resp: 344996

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	7.4	6.2	9.2



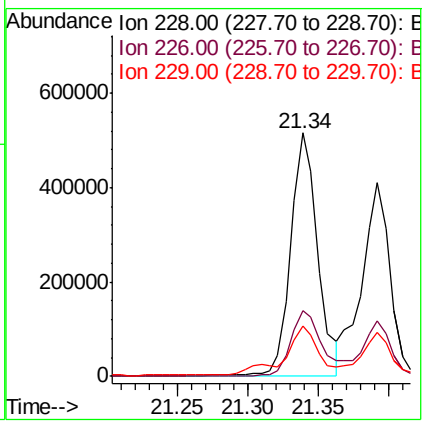


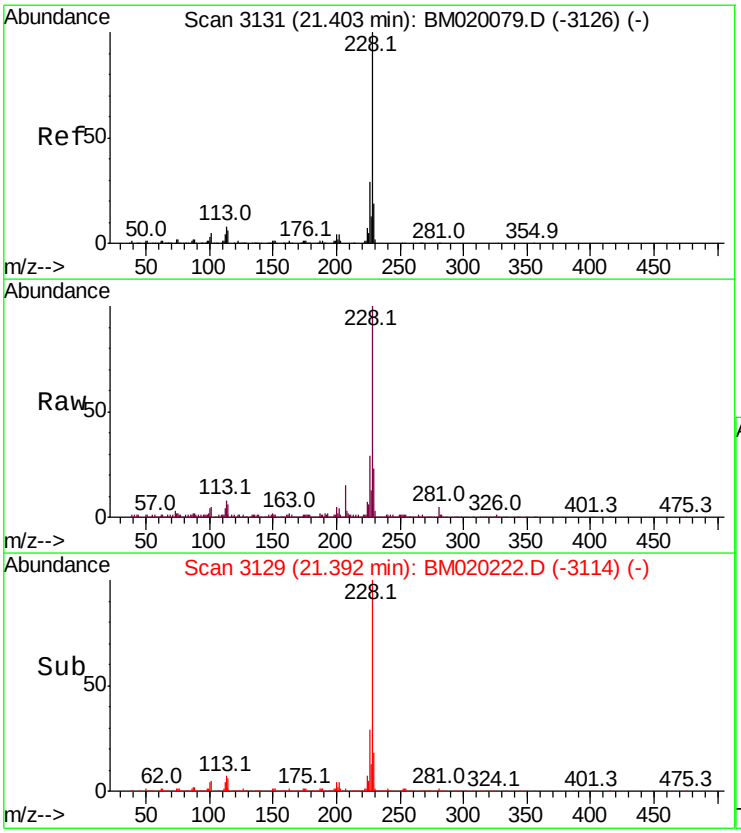
#81
Benzo(a)anthracene
Concen: 15.243 ng
RT: 21.34 min Scan# 3120
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:228 Resp: 680476

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.6	15.5	23.3

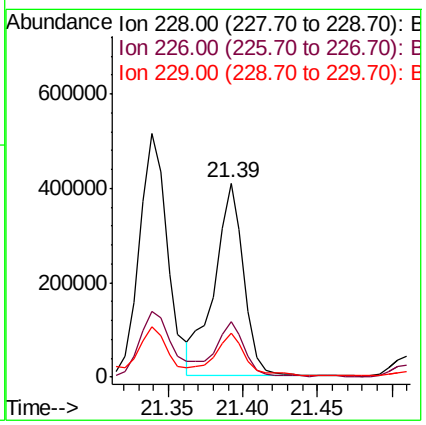


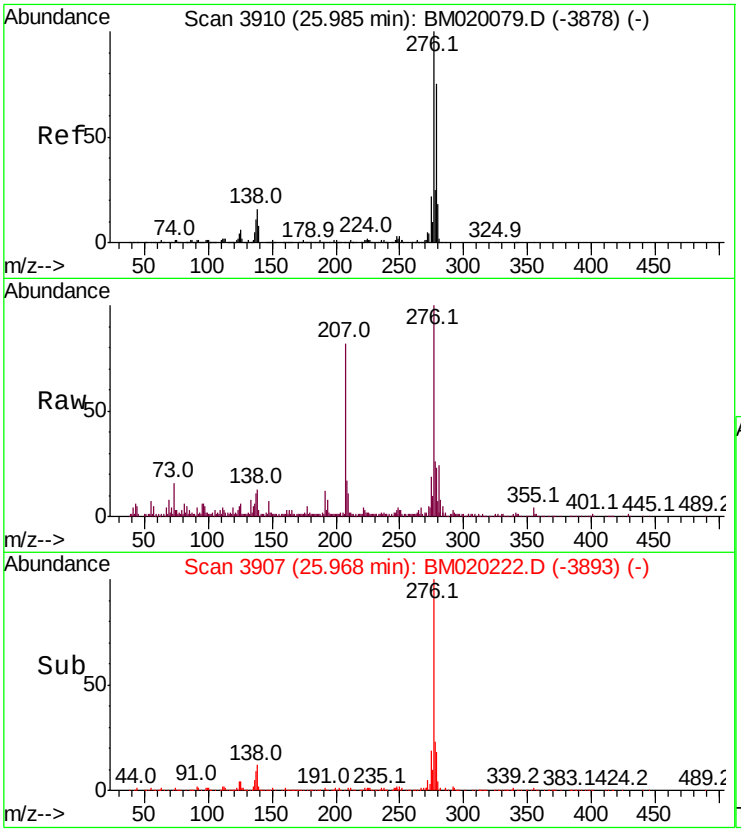


#83
Chrysene
Concen: 13.002 ng
RT: 21.39 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:228 Resp: 562906

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	22.8	15.5	23.3



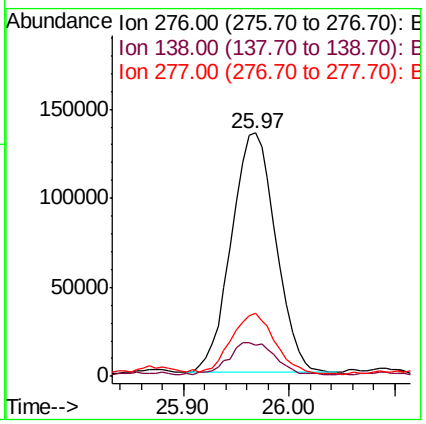


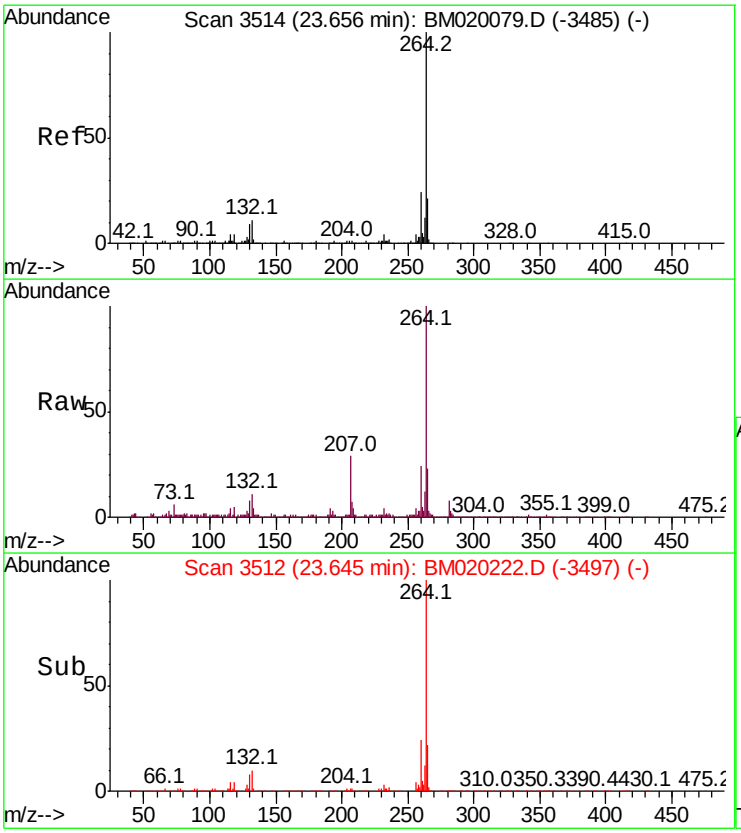
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.646 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:276 Resp: 393734

Ion	Ratio	Lower	Upper
276	100		
138	14.1	0.0	0.0#
277	25.2	0.0	0.0#

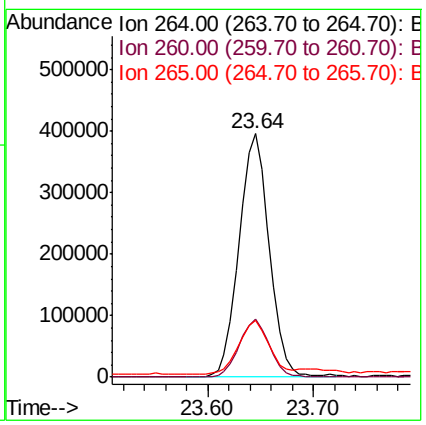


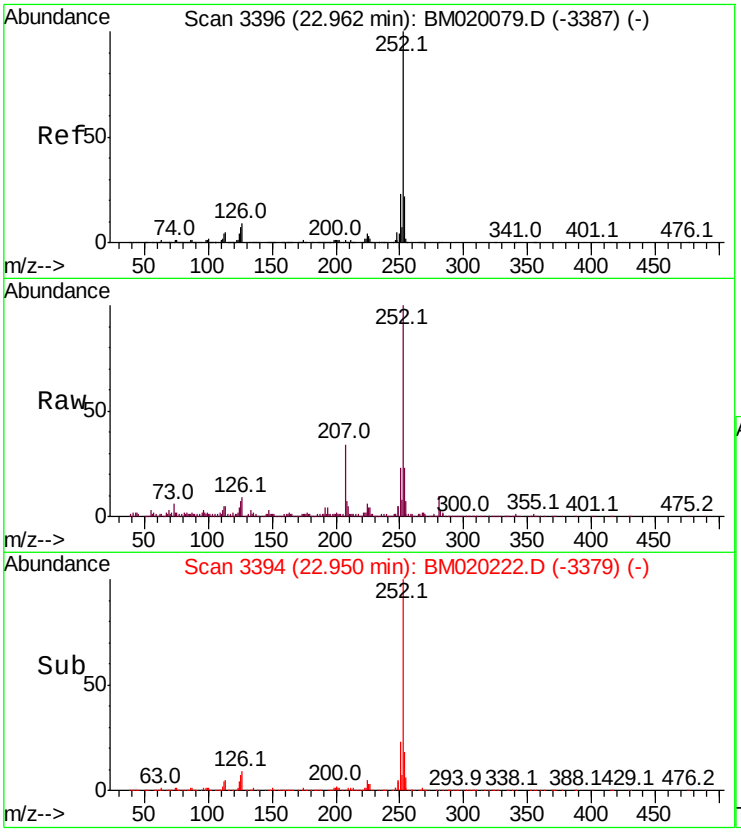


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:264 Resp: 783029

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.1	16.9	25.3



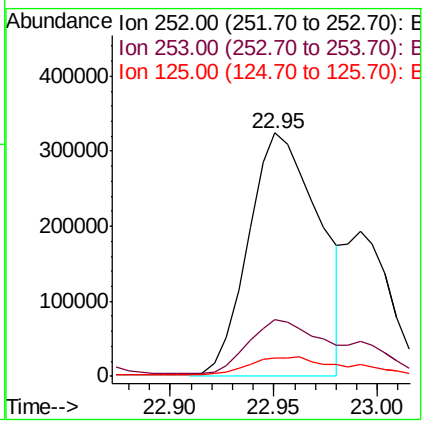


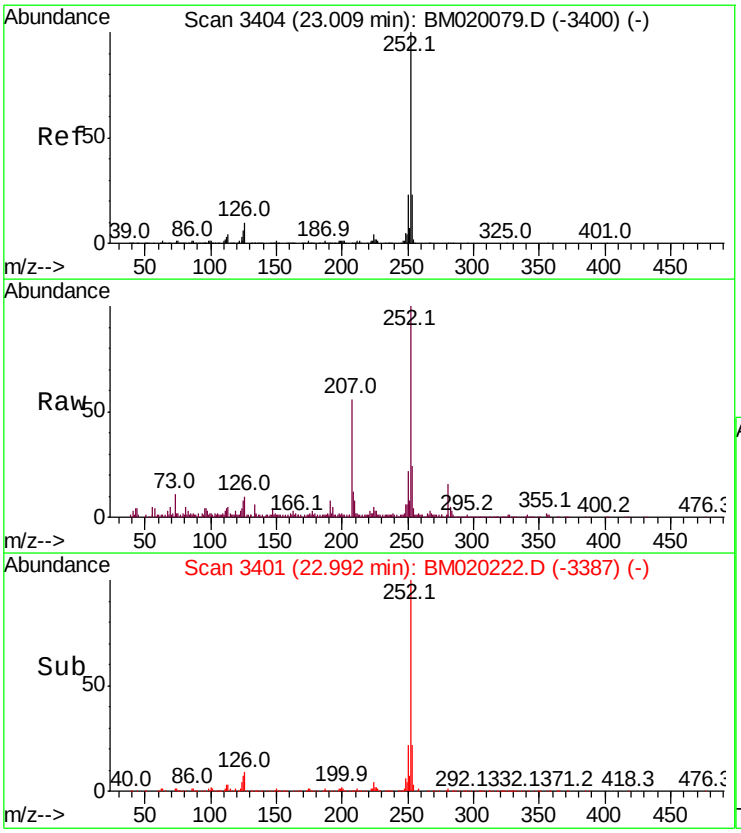
#88
Benzo(b)fluoranthene
Concen: 14.920 ng m
RT: 22.95 min Scan# 3394
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:252 Resp: 771478

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	7.4	5.4	8.2

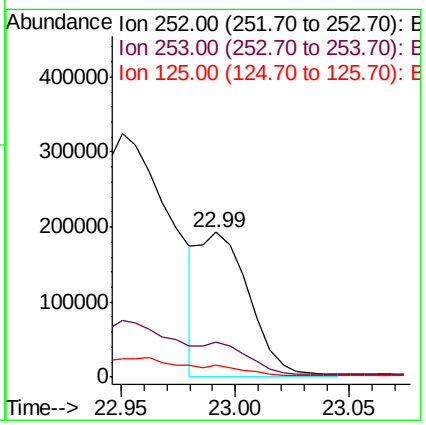


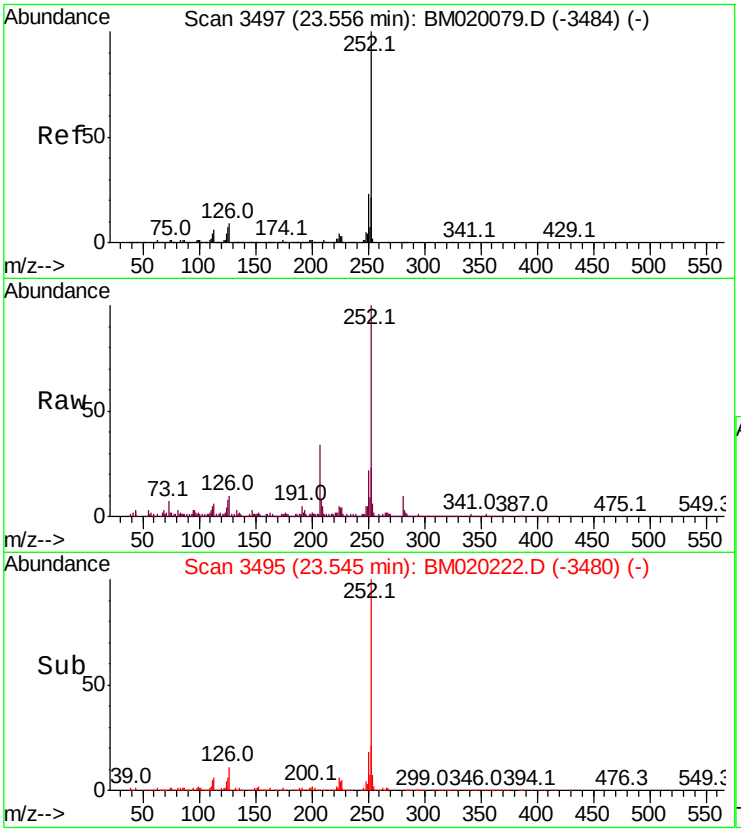


#89
Benzo(k)fluoranthene
Concen: 6.232 ng m
RT: 22.99 min Scan# 3401
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:252 Resp: 293950

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	8.3	5.4	8.0#



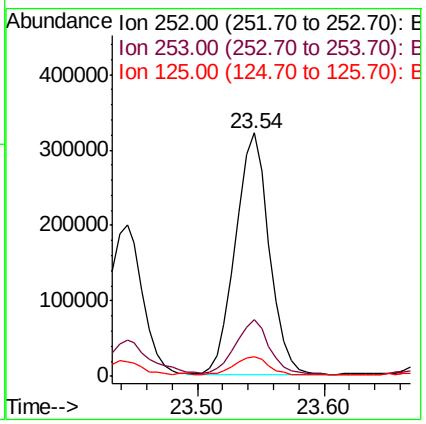


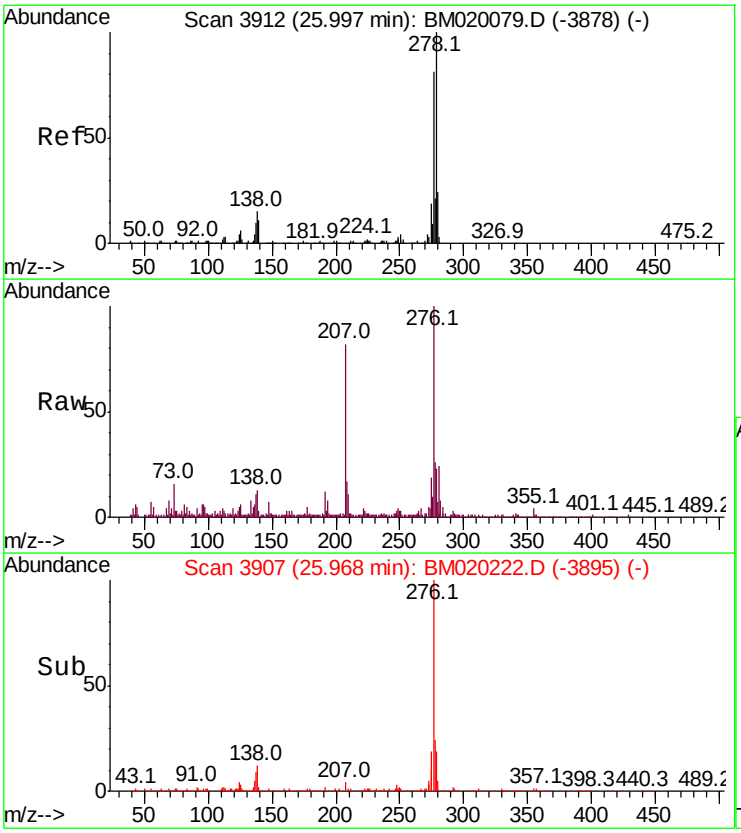
#90
Benzo(a)pyrene
Concen: 12.511 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:252 Resp: 587586

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	7.9	5.5	8.3

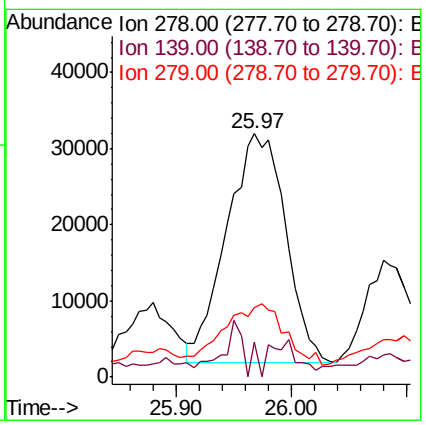


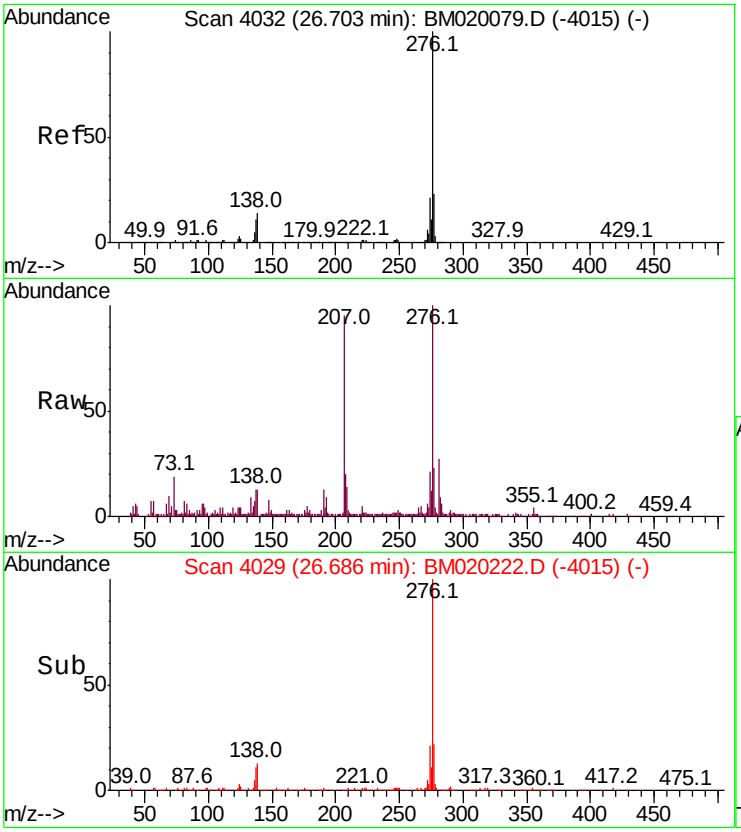


#91
Dibenzo(a,h)anthracene
Concen: 2.175 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.03 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

Tgt Ion:278 Resp: 106233

Ion	Ratio	Lower	Upper
278	100		
139	14.5	8.6	13.0#
279	28.3	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 7.874 ng
RT: 26.69 min Scan# 4029
Delta R.T. -0.02 min
Lab File: BM020222.D
Acq: 09 May 2019 18:02

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

Tgt Ion:276 Resp: 365115

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.4	27.6
138	13.5	11.1	16.7