Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051419\
Data File : BM020330.D
Acq On : 14 May 2019 13:38
Operator : JU/SJ
Sample : K2642-10DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: May 14 15:48:34 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	49750	20.00	ng		-0.04
21) Naphthalene-d8	10.55	136	176654	20.00	ng		-0.04
39) Acenaphthene-d10	14.40	164	113168	20.00	ng		-0.03
64) Phenanthrene-d10	17.16	188	270232	20.00	ng		-0.02
76) Chrysene-d12	21.34	240	289507	20.00	ng		-0.02
87) Perylene-d12	23.63	264	344198	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	13542	4.45	ng		-0.02
7) Phenol-d6	6.93	99	14641	3.52	ng		-0.02
23) Nitrobenzene-d5	8.93	82	10391	2.32	ng		-0.02
42) 2,4,6-Tribromophenol	15.90	330	6695	3.81	ng		-0.02
45) 2-Fluorobiphenyl	13.02	172	27648	3.01	ng		-0.04
79) Terphenyl-d14	19.78	244	46991	2.83	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	10.60	128	101796	11.104	ng		99
37) 2-Methylnaphthalene	12.22	142	45338	6.784	ng		92
38) 1-Methylnaphthalene	12.44	142	38628	5.911	ng		97
49) Acenaphthylene	14.13	152	31276	2.628	ng	#	93
52) Acenaphthene	14.47	154	86674	12.699	ng		98
55) Dibenzofuran	14.80	168	84114	7.306	ng	#	98
58) Fluorene	15.46	166	127527	13.487	ng		99
71) Phenanthrene	17.20	178	1065886	71.454	ng		100
72) Anthracene	17.29	178	235924	15.819	ng		99
73) Carbazole	17.57	167	94621	7.031	ng		98
75) Fluoranthene	19.22	202	1205965	63.896	ng		99
78) Pyrene	19.58	202	1028525	52.915	ng		99
81) Benzo(a)anthracene	21.33	228	468185	23.060	ng		99
83) Chrysene	21.38	228	423321	21.499	ng		97
86) Indeno(1,2,3-cd)pyrene	25.94	276	268216	11.452	ng	#	100
88) Benzo(b)fluoranthene	22.94	252	704214	30.983	ng	#	98
89) Benzo(k)fluoranthene	22.94	252	710191	34.254	ng	#	99
90) Benzo(a)pyrene	23.53	252	414450	20.075	ng		96
91) Dibenzo(a,h)anthracene	25.96	278	66457	3.095	ng	#	82
92) Benzo(g,h,i)perylene	26.66	276	279249	13.699	ng		98

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

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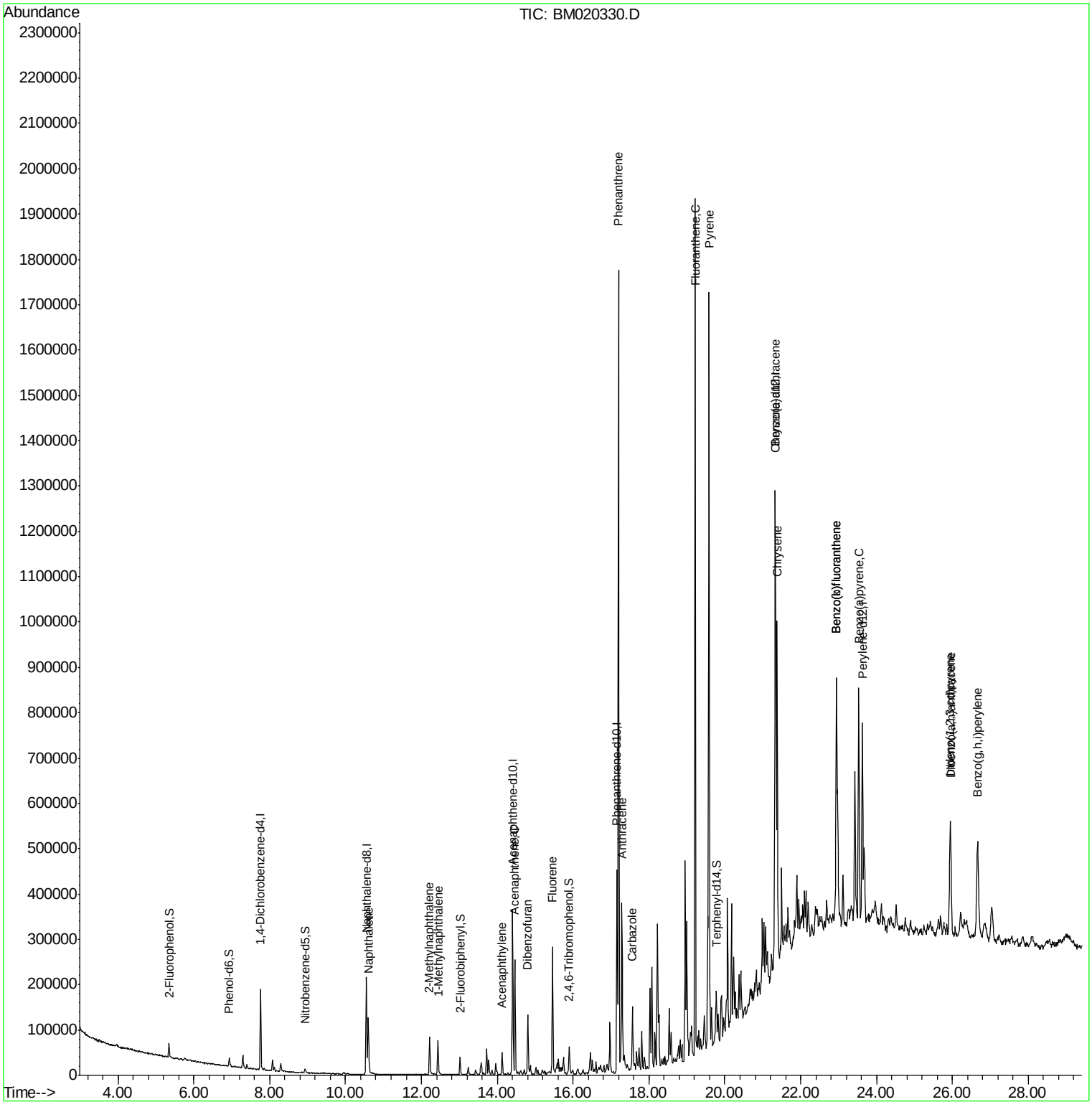
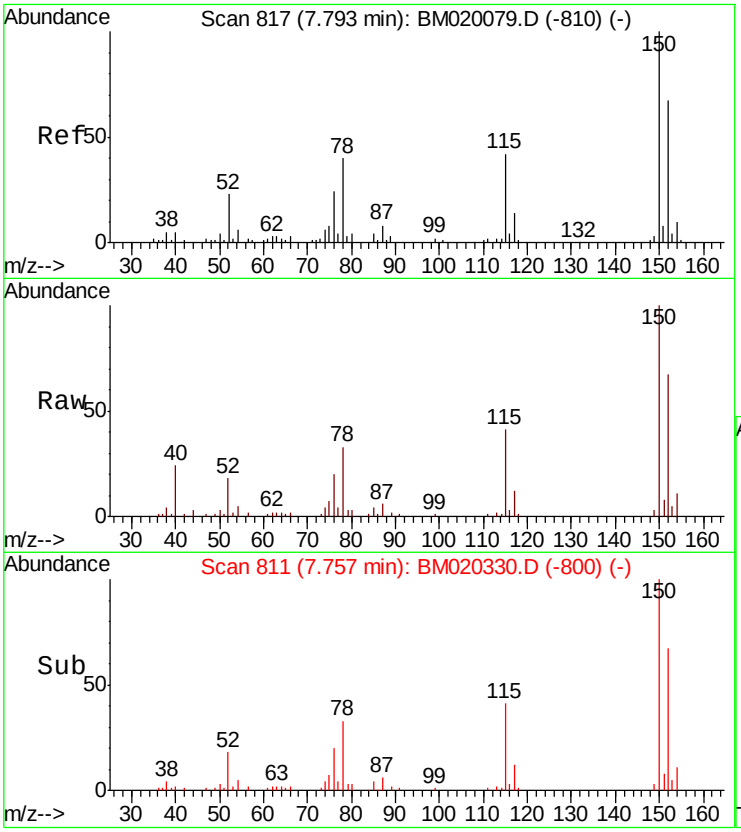


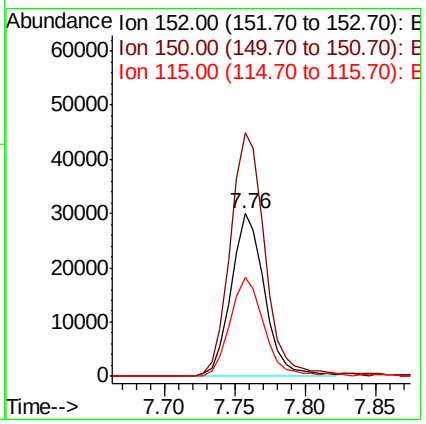


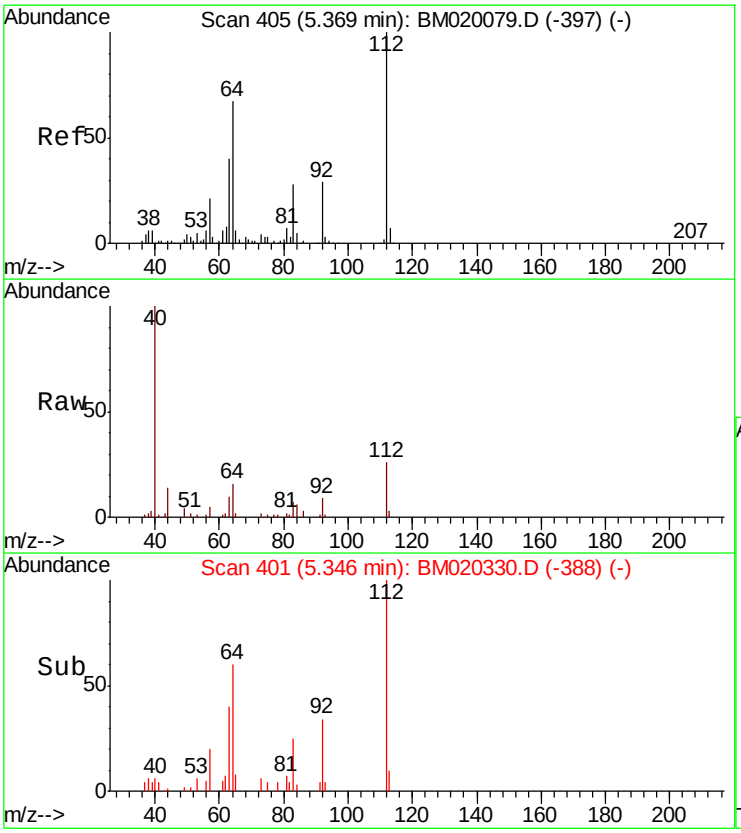
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 811
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 49750

Ion	Ratio	Lower	Upper
152	100		
150	149.4	119.8	179.8
115	60.9	50.8	76.2

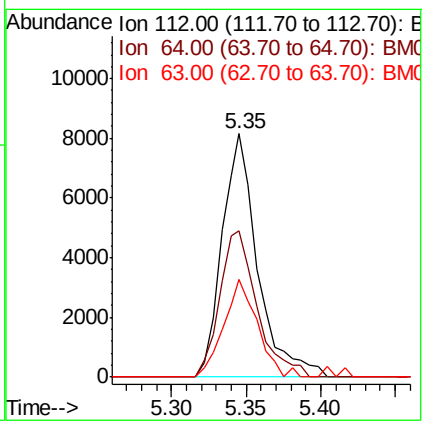


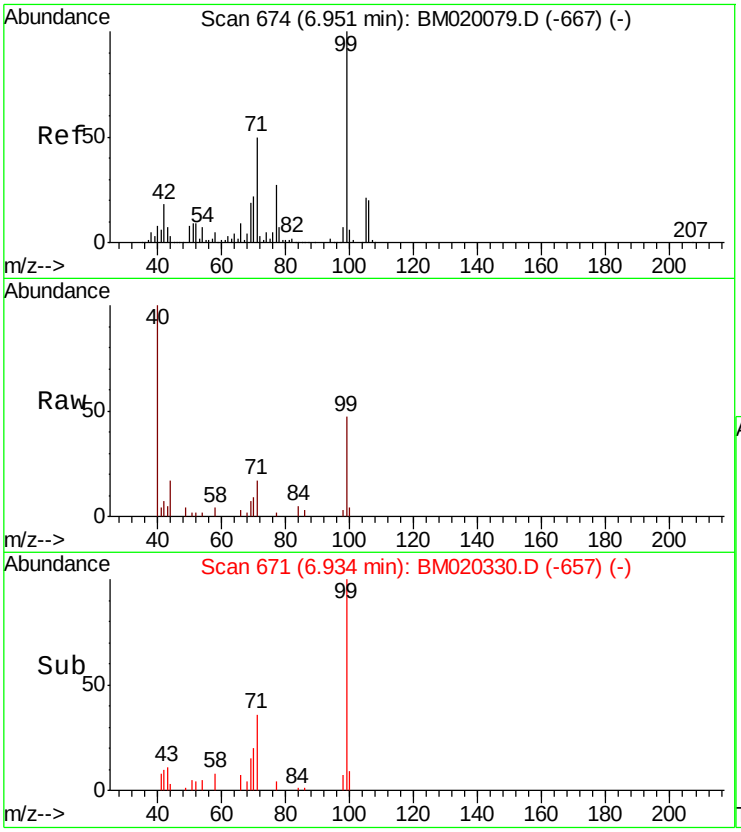


#5
2-Fluorophenol
Concen: 4.449 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:112 Resp: 13542

Ion	Ratio	Lower	Upper
112	100		
64	60.1	53.8	80.6
63	39.9	32.3	48.5



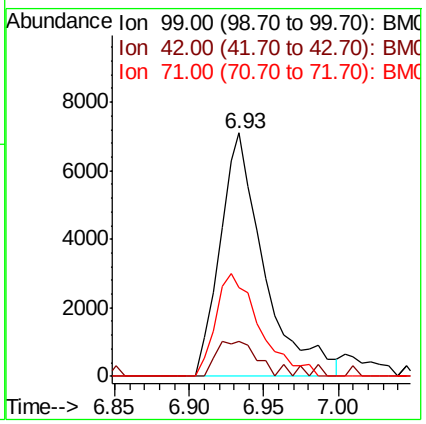


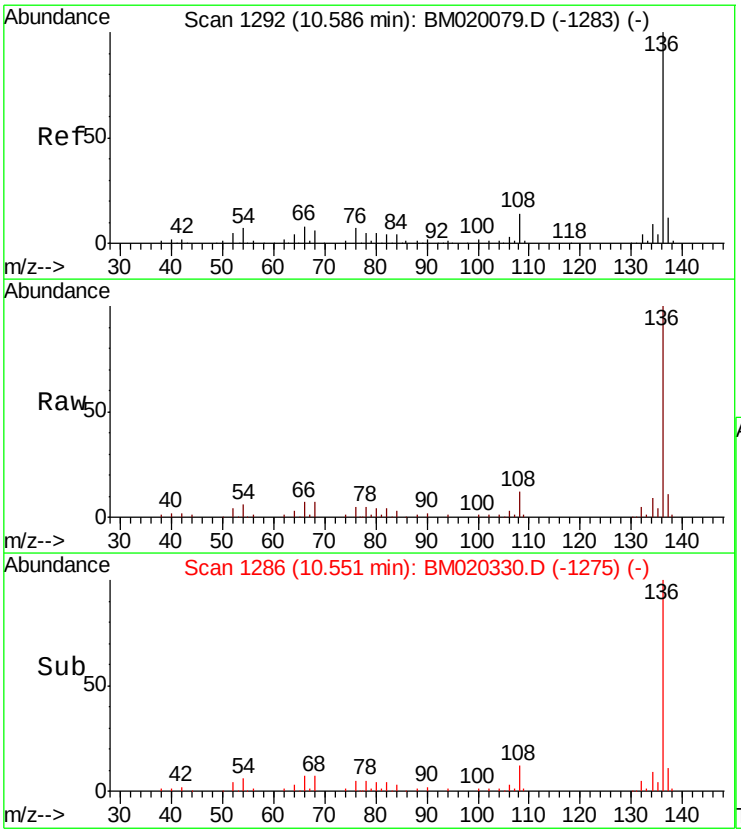
#7
Phenol-d6
Concen: 3.521 ng
RT: 6.93 min Scan# 671
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 14641

Ion	Ratio	Lower	Upper
99	100		
42	14.2	14.2	21.2
71	36.4	40.3	60.5#

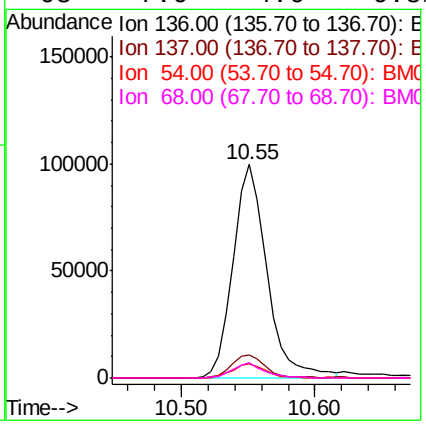


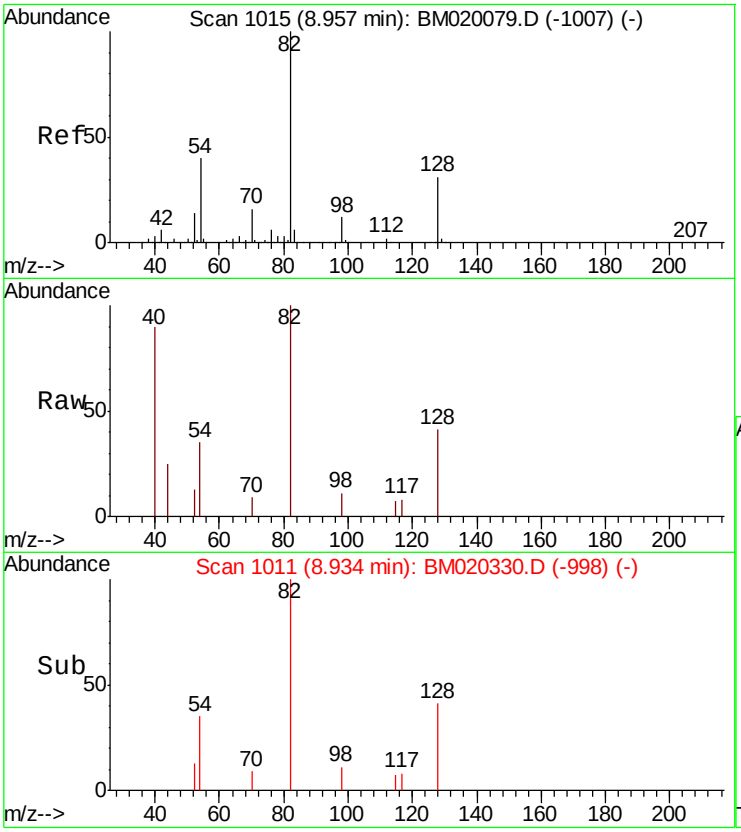


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1286
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:136 Resp: 176654

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	6.3	5.5	8.3
68	7.0	4.6	6.8#



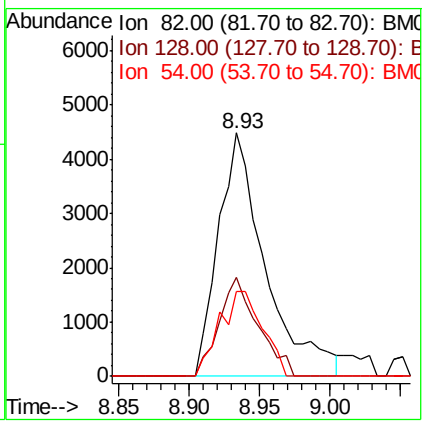


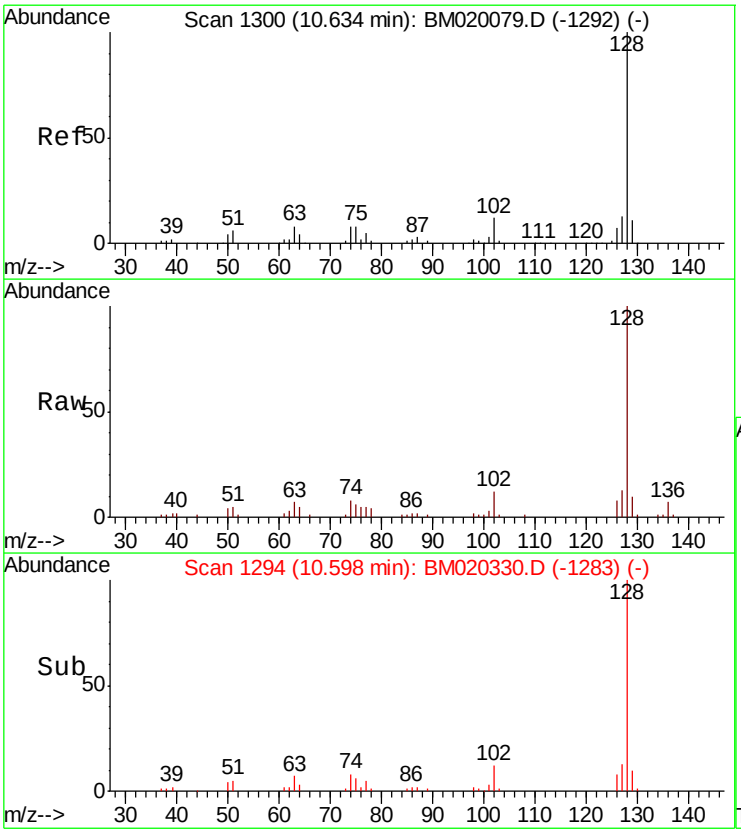
#23
Nitrobenzene-d5
Concen: 2.322 ng
RT: 8.93 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 82 Resp: 10391

Ion	Ratio	Lower	Upper
82	100		
128	40.6	25.2	37.8#
54	34.9	31.9	47.9

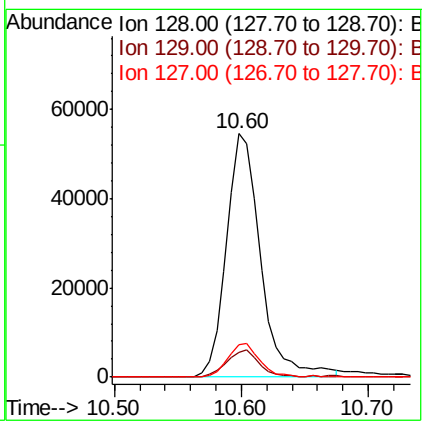


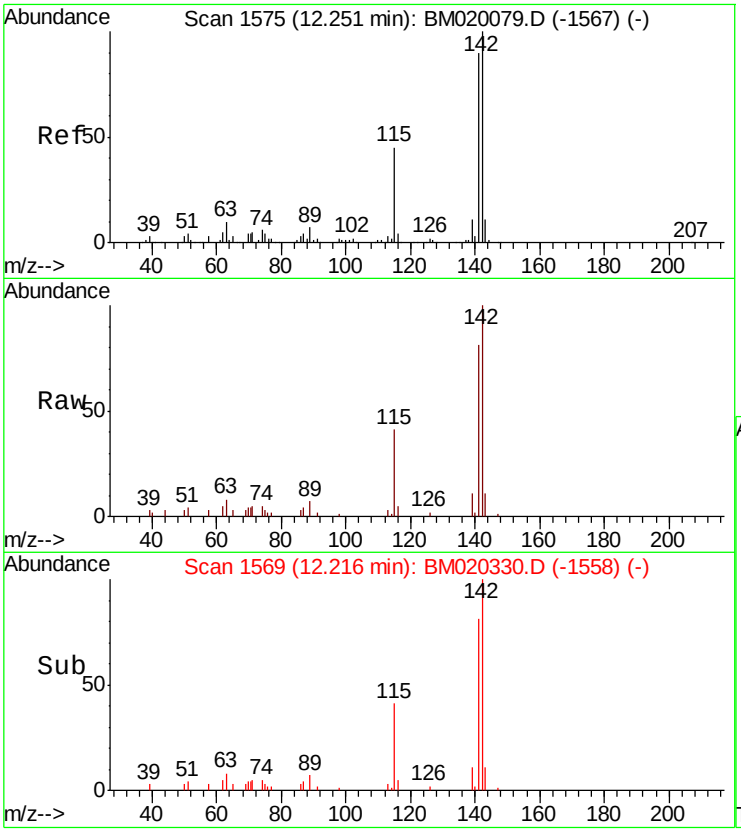


#31
Naphthalene
Concen: 11.104 ng
RT: 10.60 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:128 Resp: 101796

Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.0	13.4
127	13.3	10.4	15.6



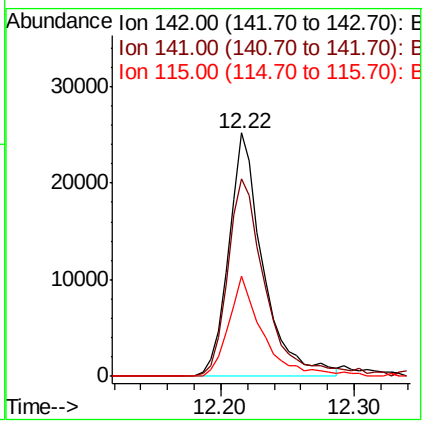


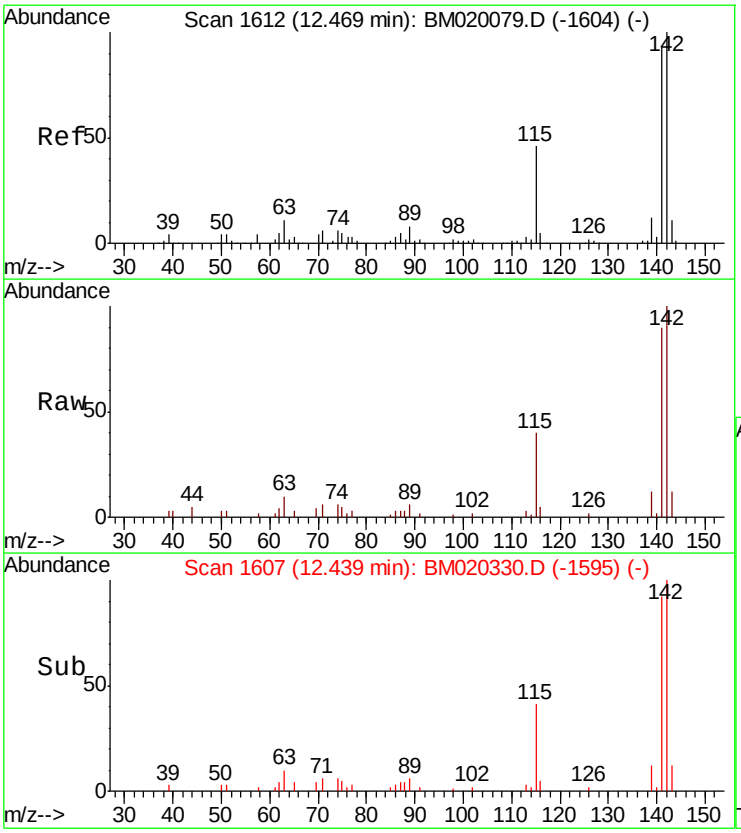
#37
2-Methylnaphthalene
Concen: 6.784 ng
RT: 12.22 min Scan# 1569
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 45338

Ion	Ratio	Lower	Upper
142	100		
141	81.4	71.6	107.4
115	41.1	35.8	53.6

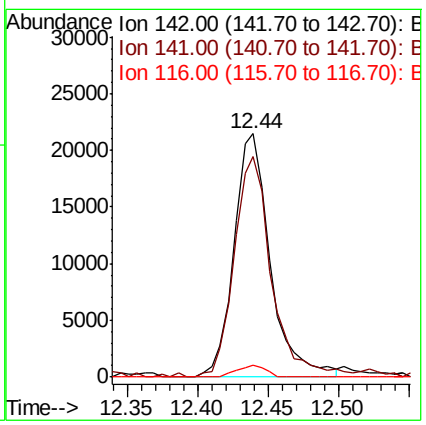


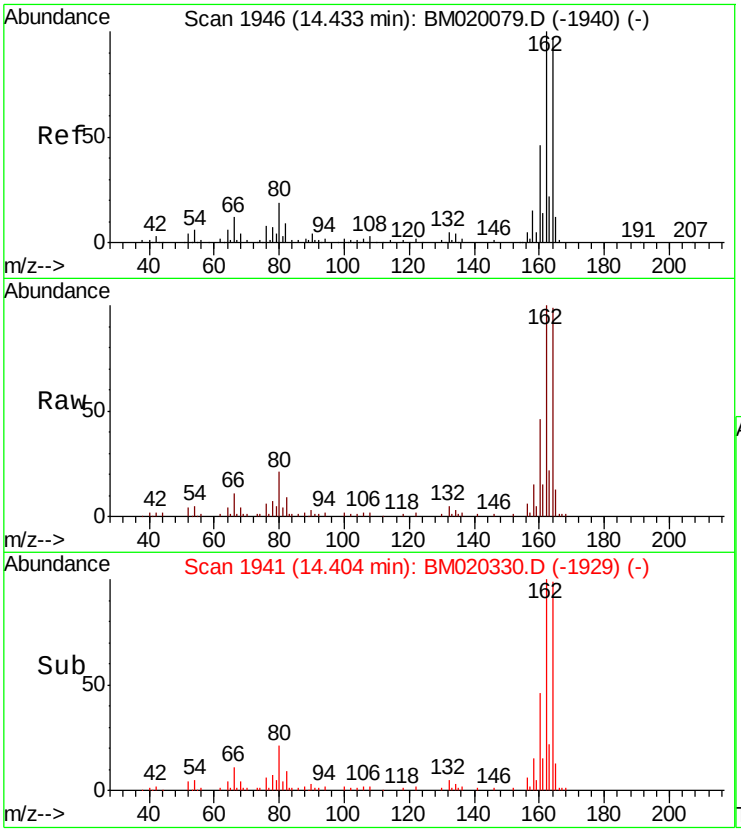


#38
1-Methylnaphthalene
Concen: 5.911 ng
RT: 12.44 min Scan# 1607
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:142 Resp: 38628

Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.8	112.2
116	5.0	3.9	5.9



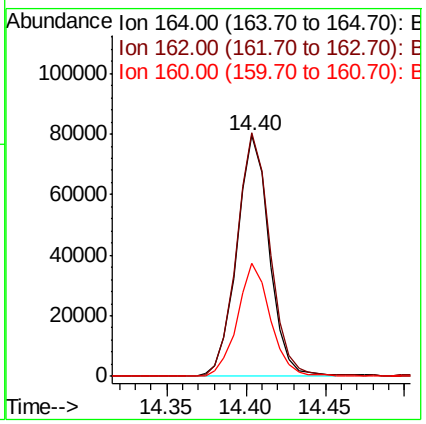


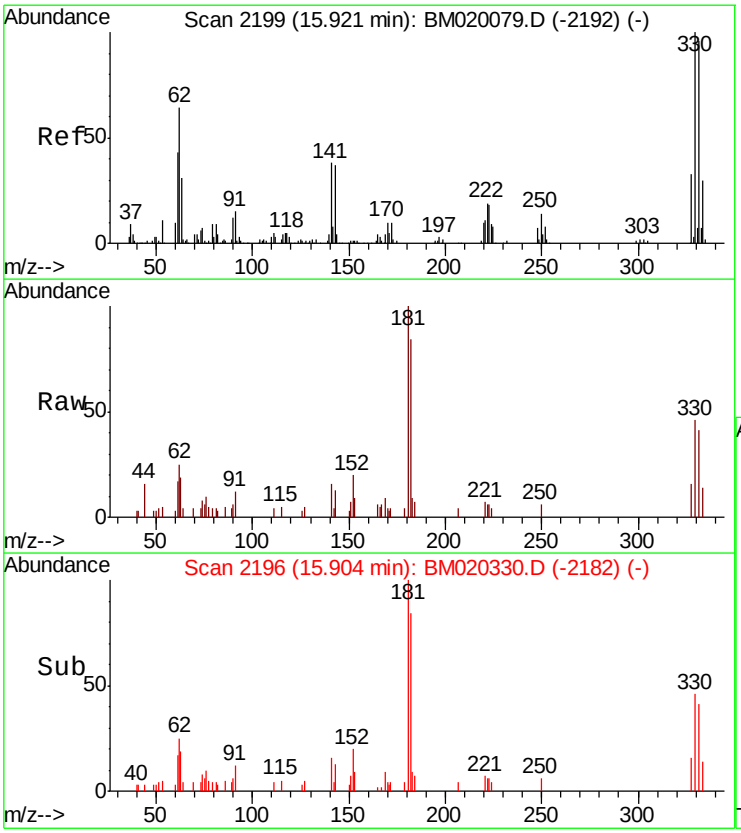
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1941
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:164 Resp: 113168

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.2
160	46.9	37.6	56.4

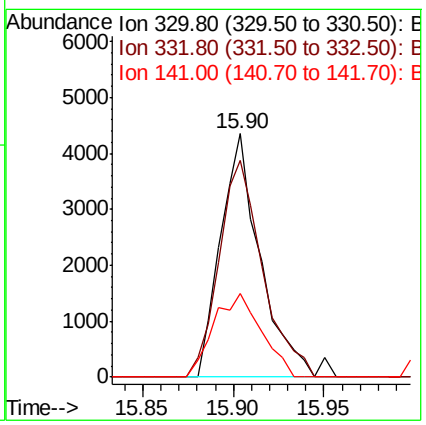


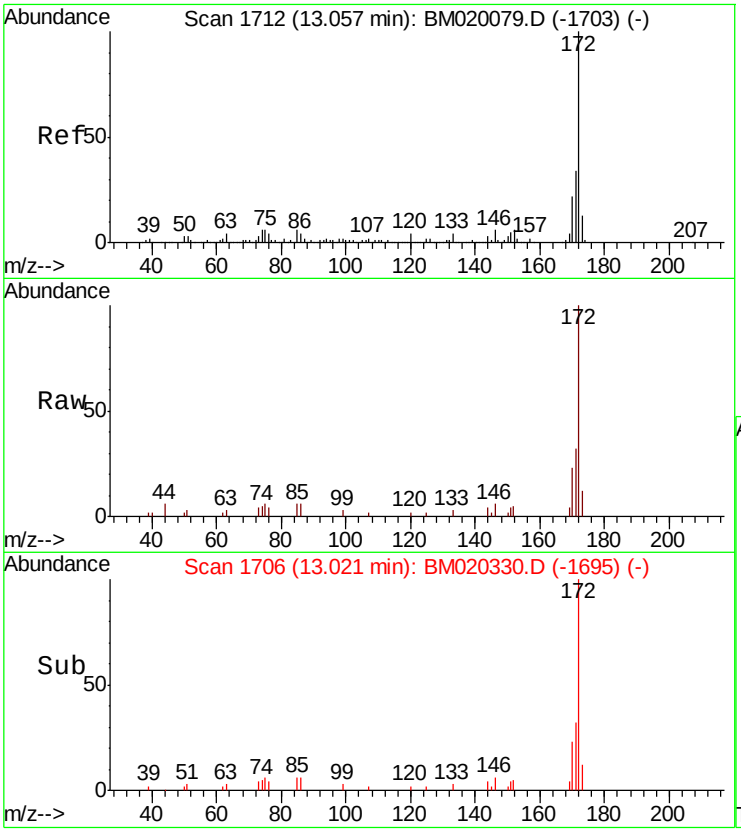


#42
2,4,6-Tribromophenol
Concen: 3.811 ng
RT: 15.90 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:330 Resp: 6695

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	40.6	29.2	43.8



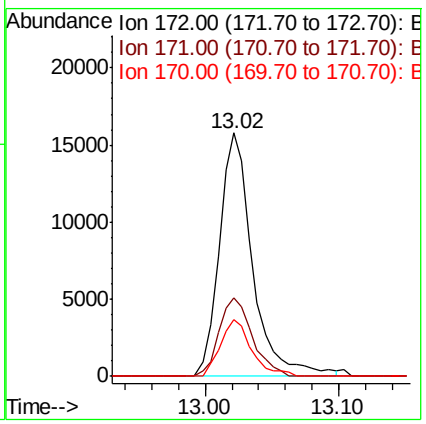


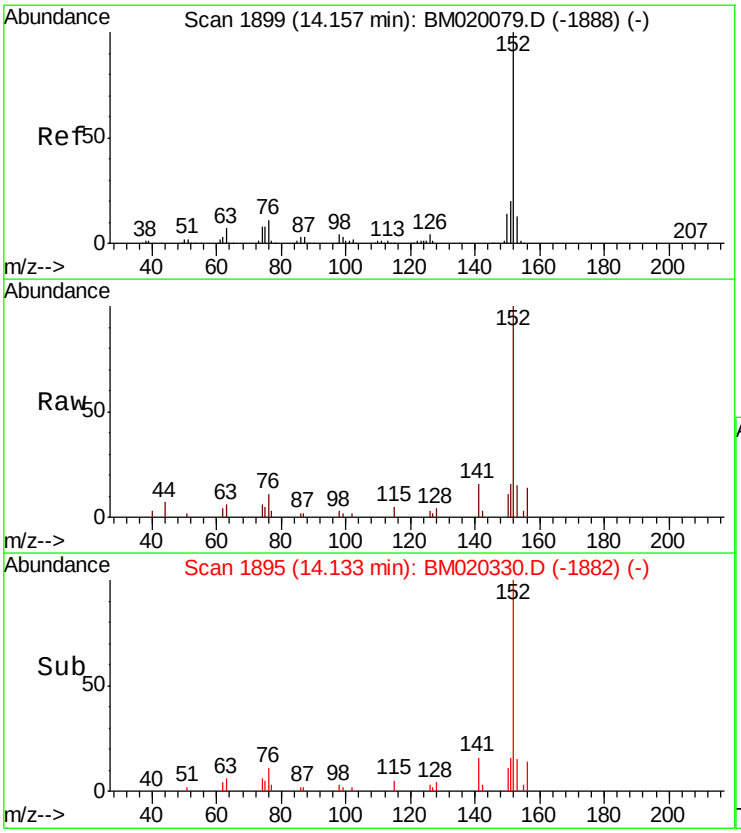
#45
2-Fluorobiphenyl
Concen: 3.006 ng
RT: 13.02 min Scan# 1706
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:172 Resp: 27648

Ion	Ratio	Lower	Upper
172	100		
171	32.1	27.3	40.9
170	23.3	17.9	26.9

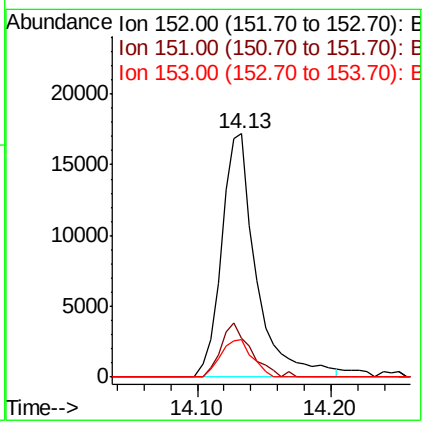


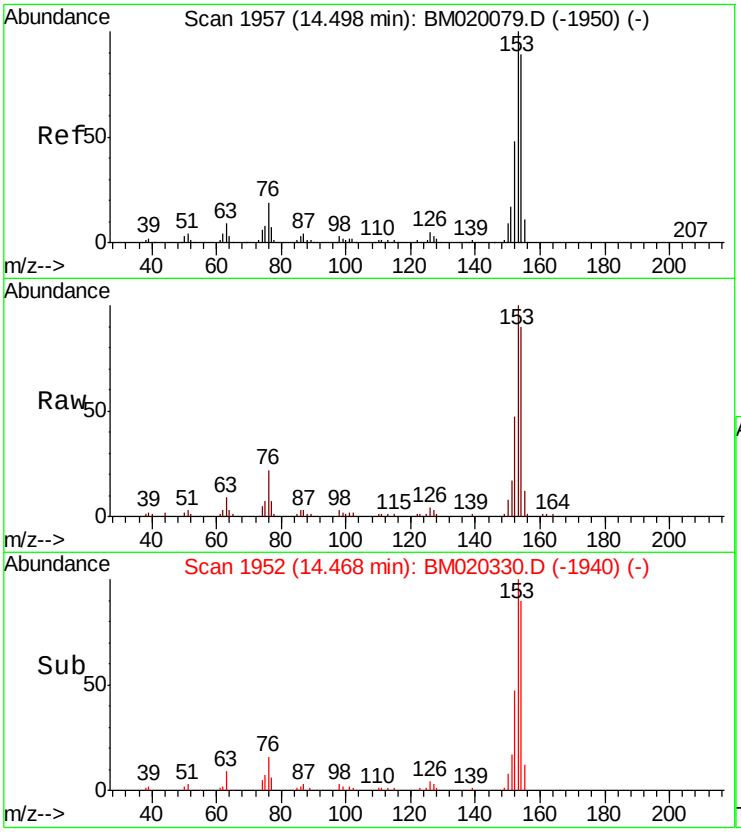


#49
Acenaphthylene
Concen: 2.628 ng
RT: 14.13 min Scan# 1895
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:152 Resp: 31276

Ion	Ratio	Lower	Upper
152	100		
151	16.1	16.2	24.2#
153	15.3	10.6	16.0



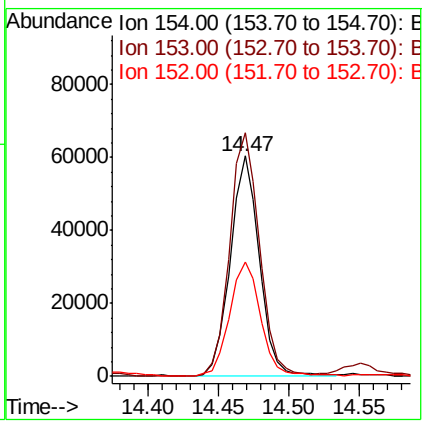


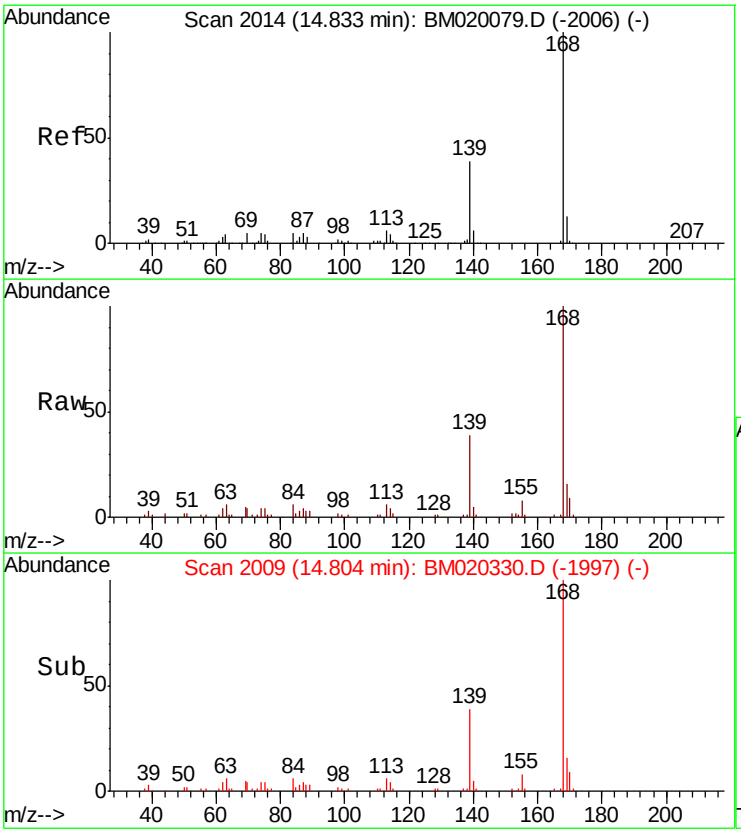
#52
Acenaphthene
Concen: 12.699 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 86674

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.2	135.2
152	52.2	43.0	64.4

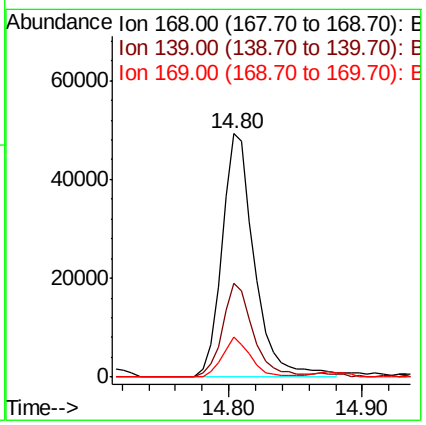


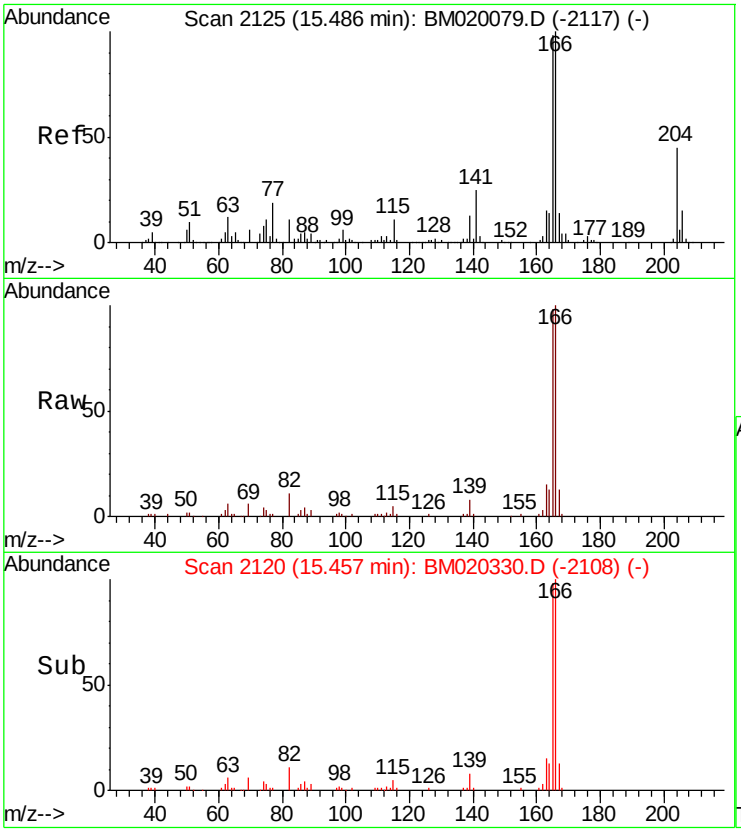


#55
Dibenzofuran
Concen: 7.306 ng
RT: 14.80 min Scan# 2009
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:168 Resp: 84114

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.1	46.7
169	16.3	10.6	16.0#



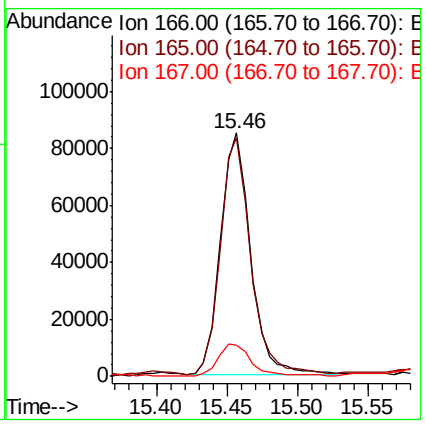


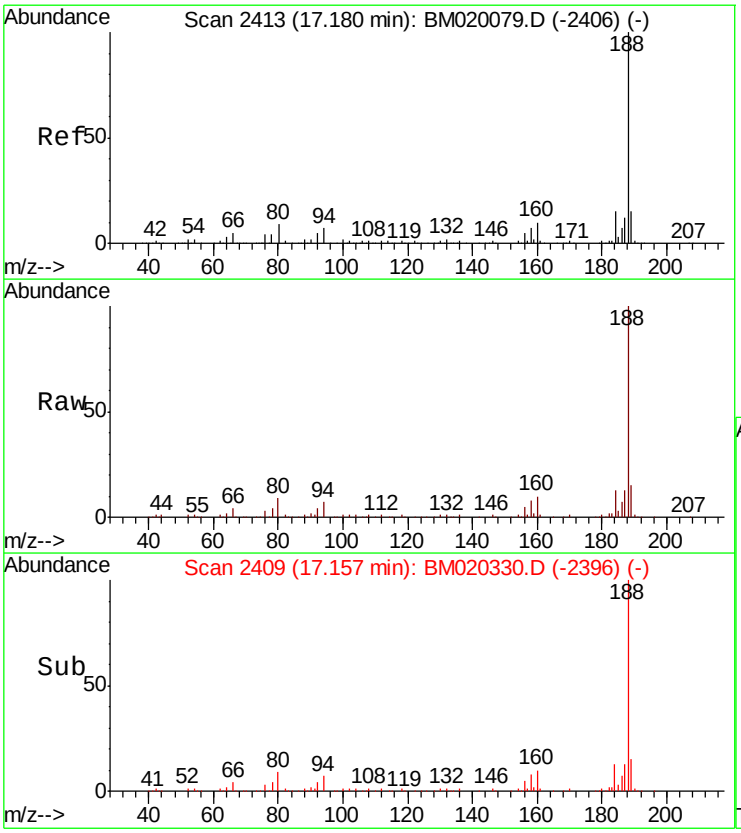
#58
Fluorene
Concen: 13.487 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 127527

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.2	117.2
167	13.0	11.0	16.4

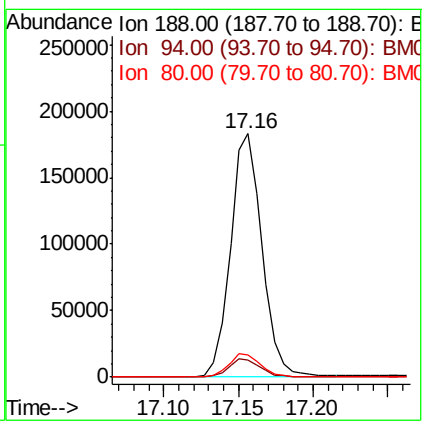


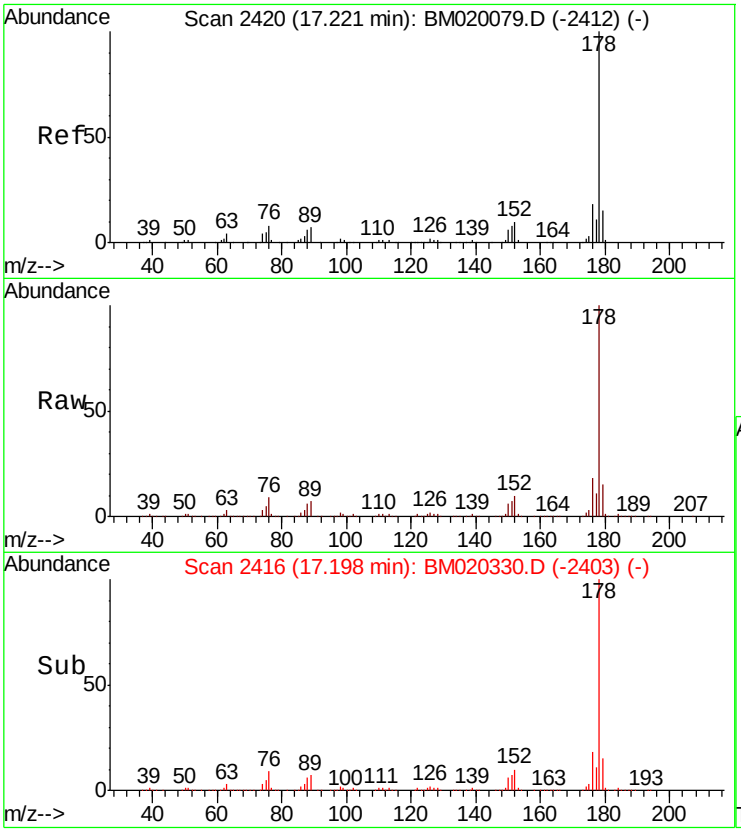


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2409
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:188 Resp: 270232

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



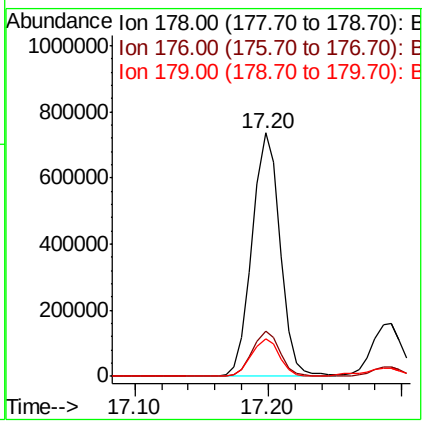


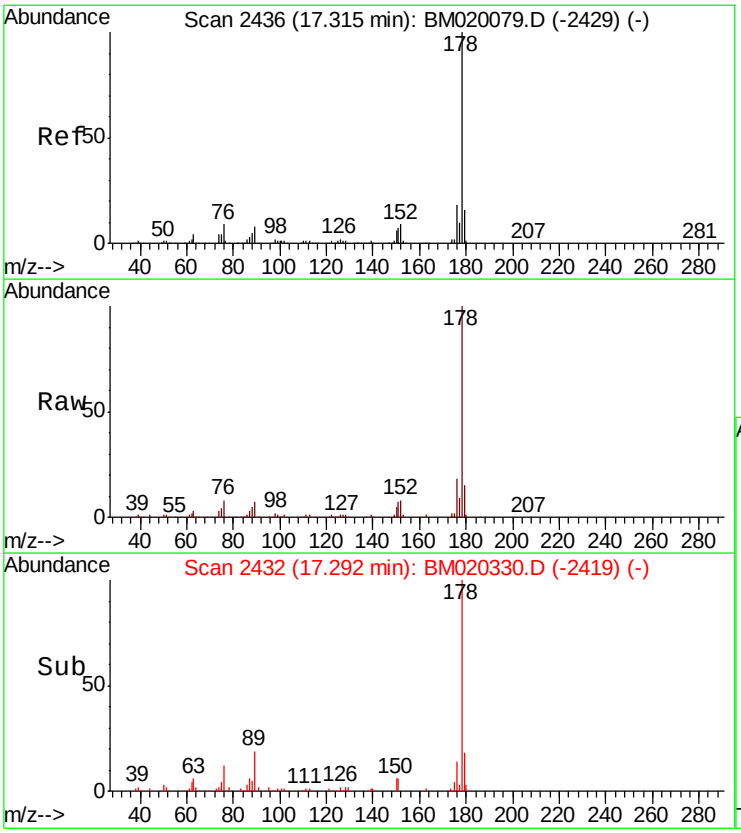
#71
Phenanthrene
Concen: 71.454 ng
RT: 17.20 min Scan# 2416
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 1065886

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

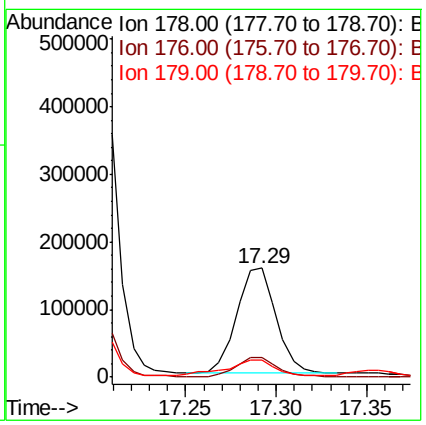


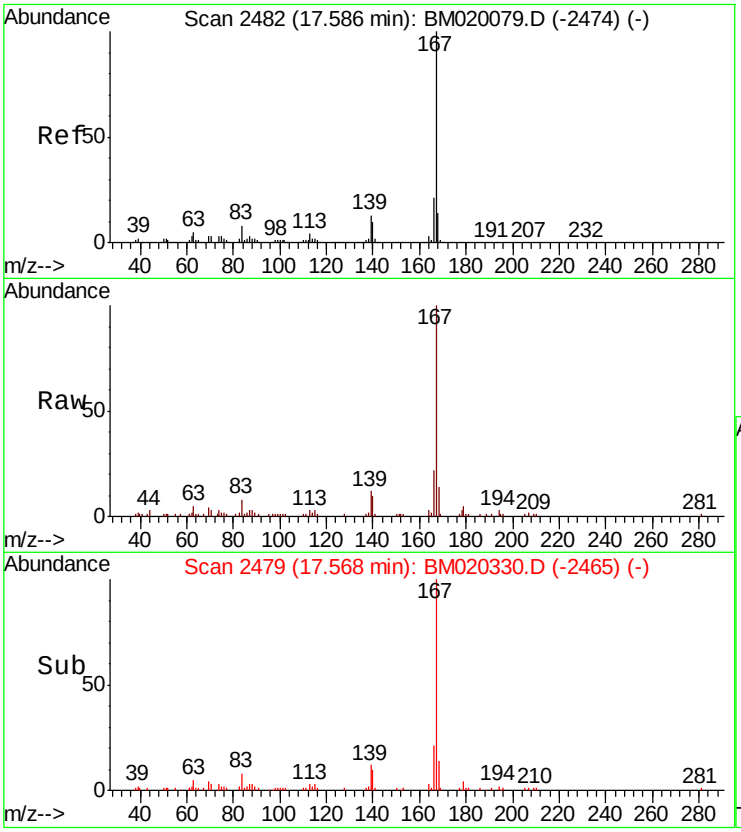


#72
Anthracene
Concen: 15.819 ng
RT: 17.29 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:178 Resp: 235924

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	22.0
179	15.5	12.4	18.6



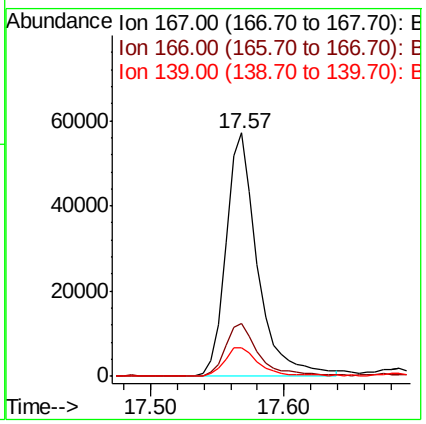


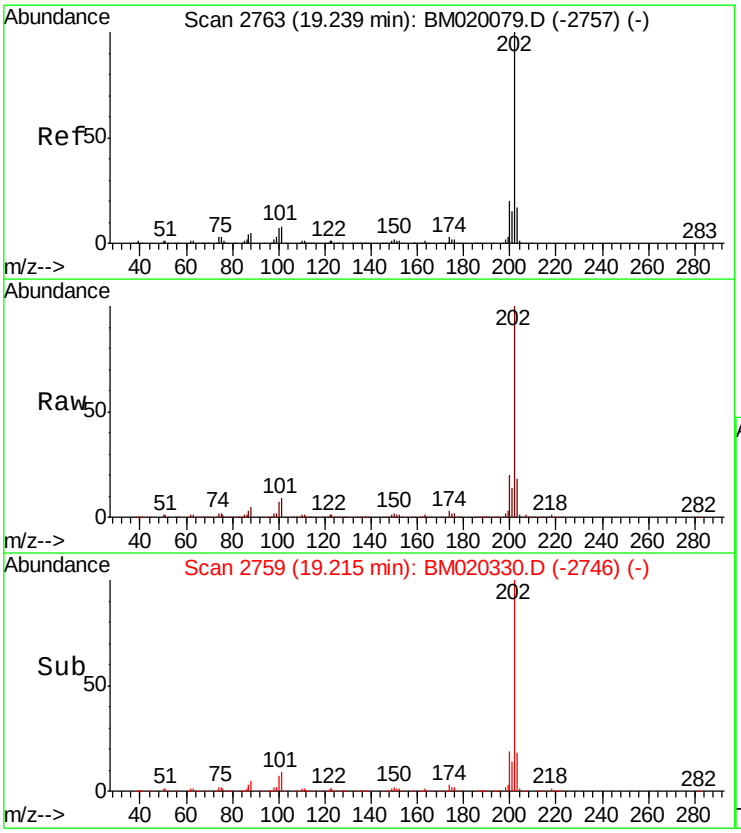
#73
Carbazole
Concen: 7.031 ng
RT: 17.57 min Scan# 2479
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 94621

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.8	10.6	16.0

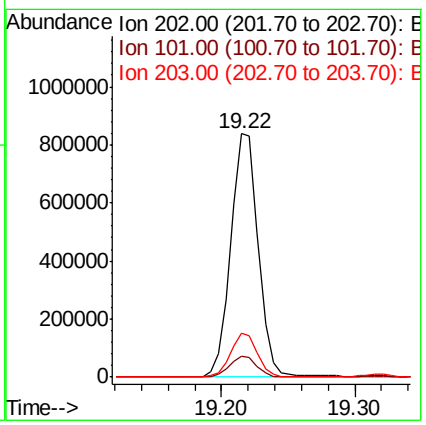


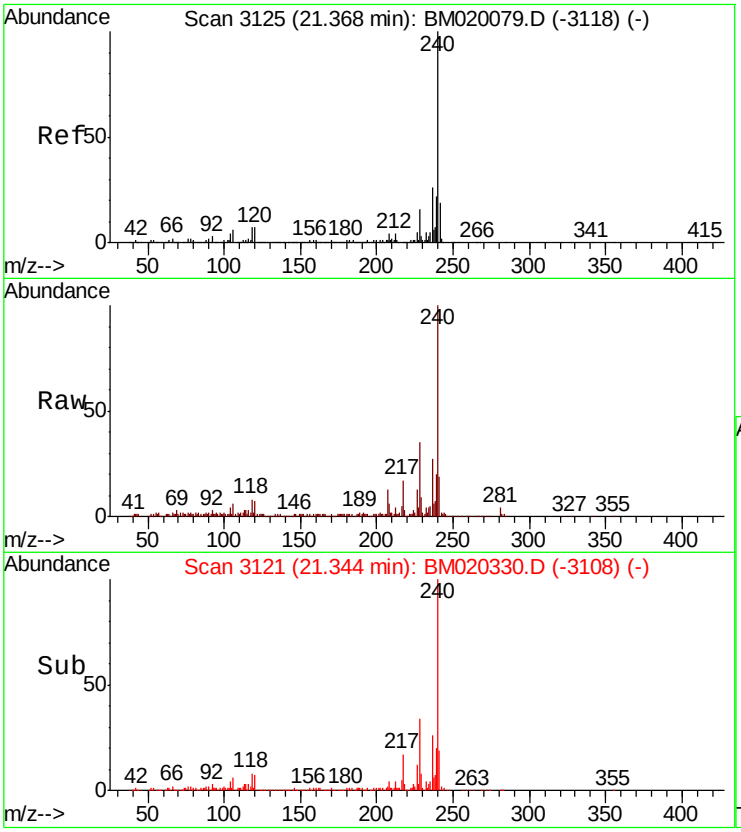


#75
Fluoranthene
Concen: 63.896 ng
RT: 19.22 min Scan# 2759
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:202 Resp: 1205965

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	17.8	0.0	37.4



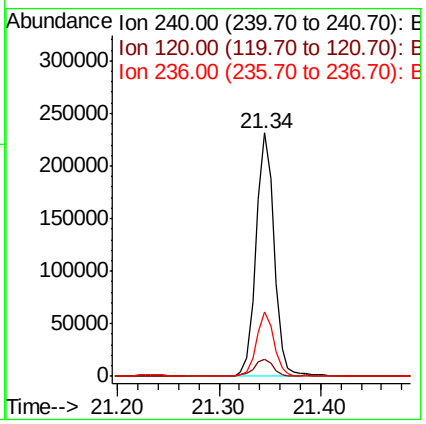


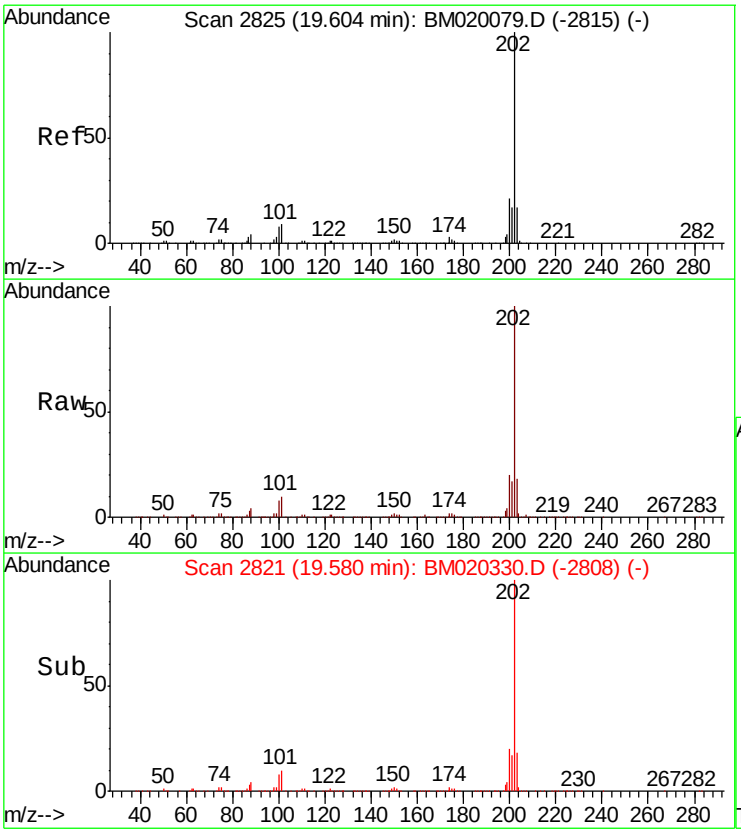
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:240 Resp: 289507

Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.6	8.4
236	26.6	20.9	31.3

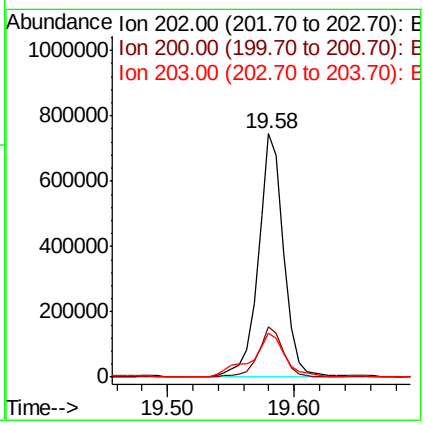


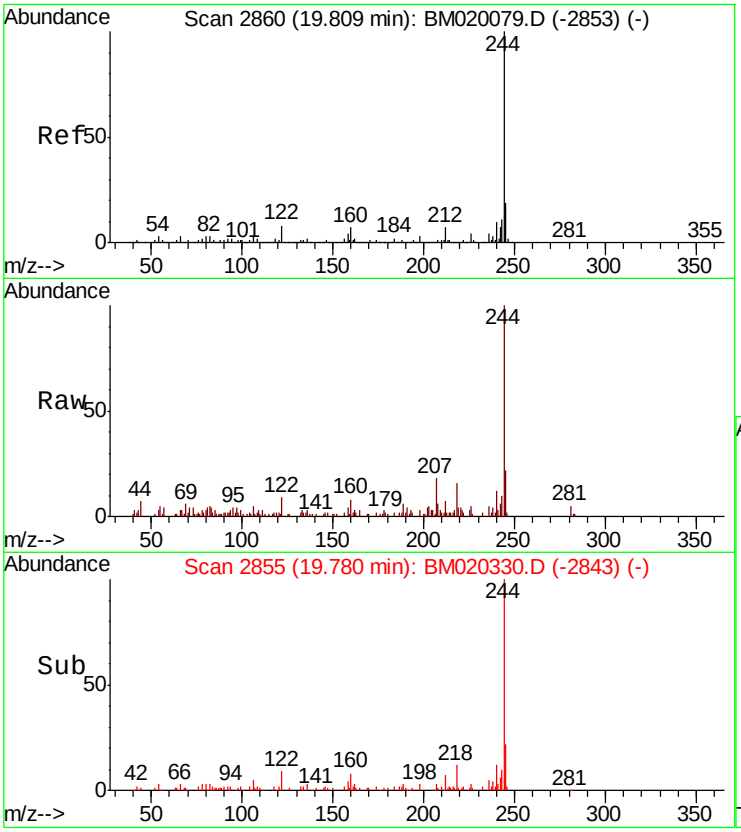


#78
Pyrene
Concen: 52.915 ng
RT: 19.58 min Scan# 2821
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:202 Resp: 1028525

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.8	13.9	20.9



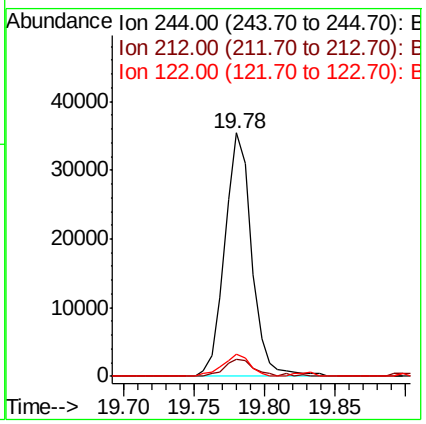


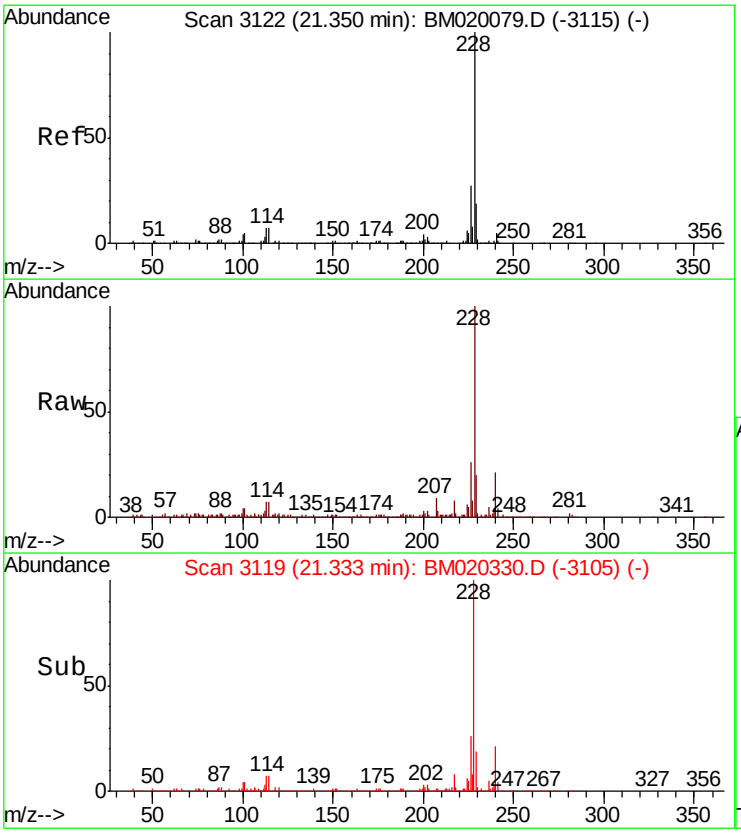
#79
Terphenyl-d14
Concen: 2.831 ng
RT: 19.78 min Scan# 2855
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:244 Resp: 46991

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	9.0	6.2	9.2

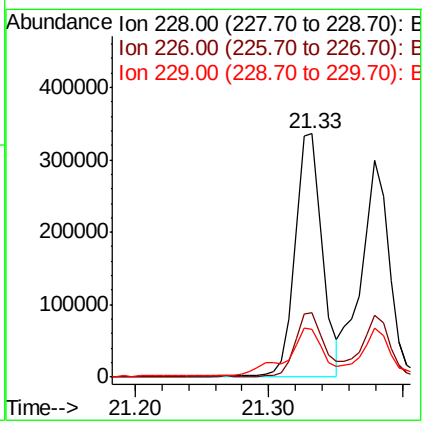


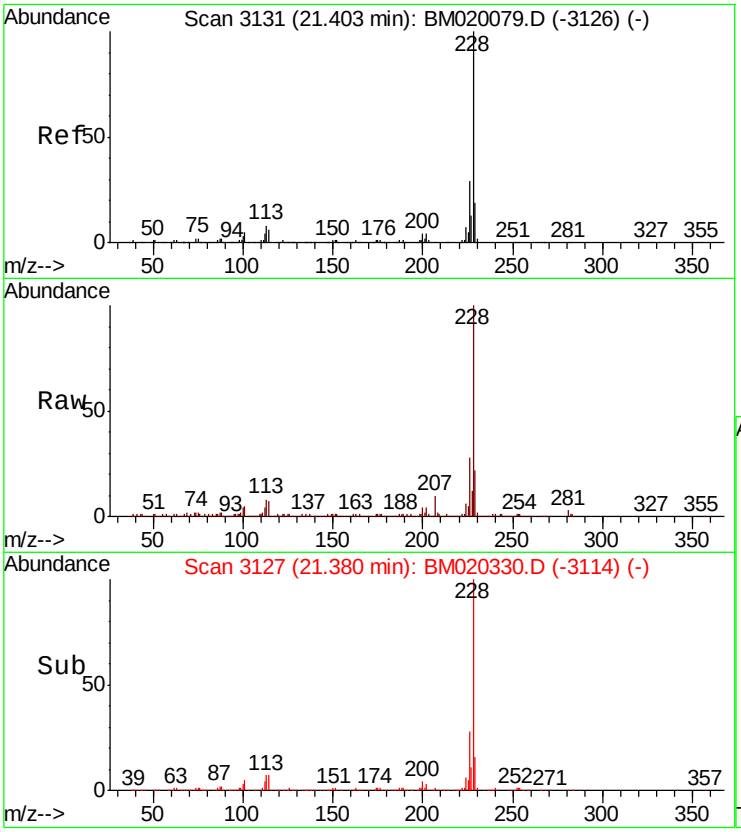


#81
Benzo(a)anthracene
Concen: 23.060 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:228 Resp: 468185

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.3	31.9
229	19.8	15.5	23.3



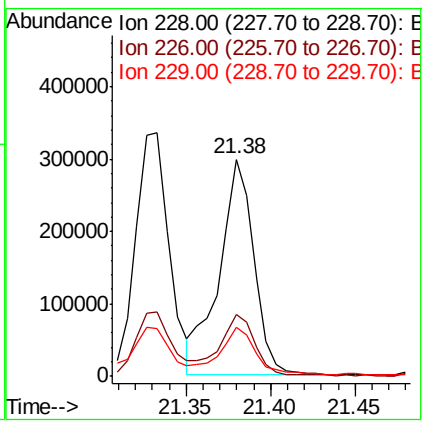


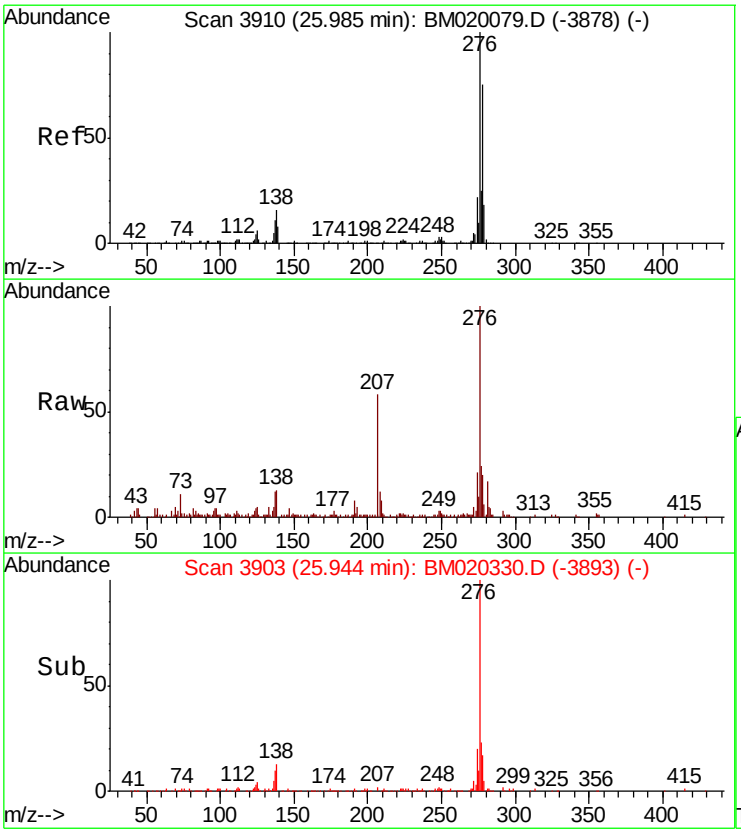
#83
Chrysene
Concen: 21.499 ng
RT: 21.38 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 423321

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.6
229	22.3	15.5	23.3

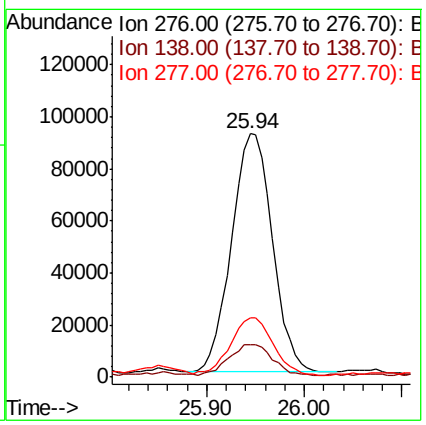


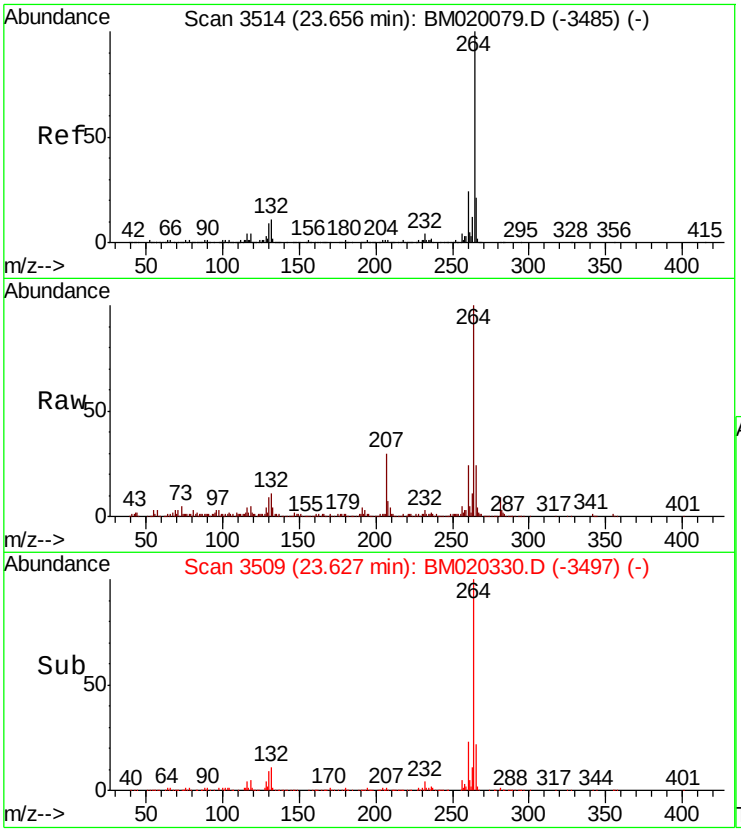


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.452 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:276 Resp: 268216

Ion	Ratio	Lower	Upper
276	100		
138	14.1	0.0	0.0#
277	24.6	0.0	0.0#



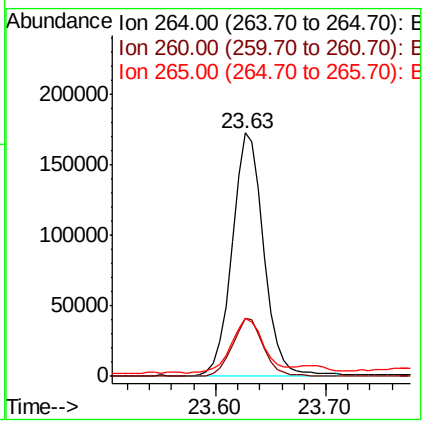


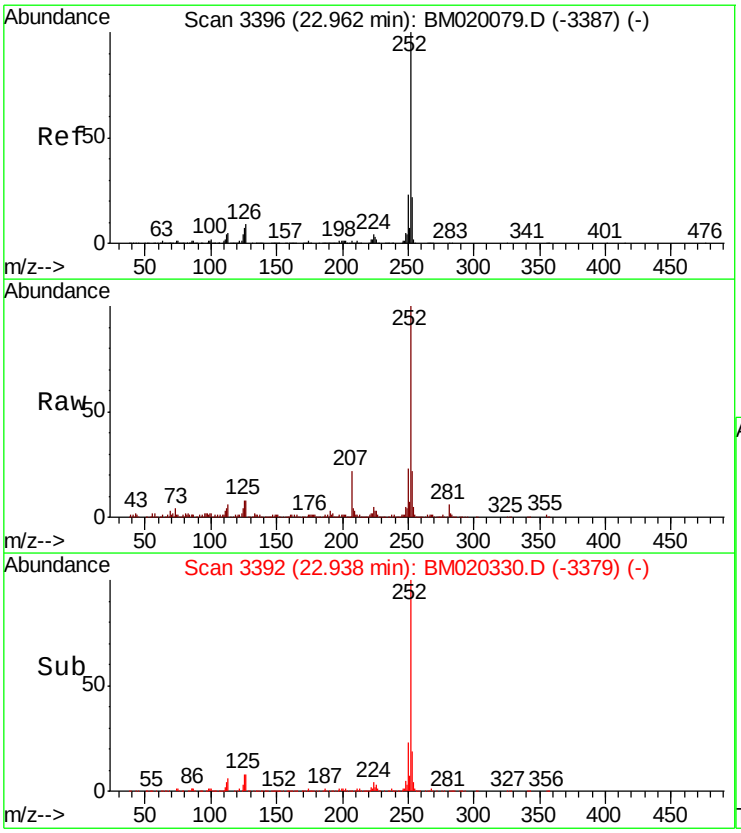
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3509
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 344198

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.8	16.9	25.3

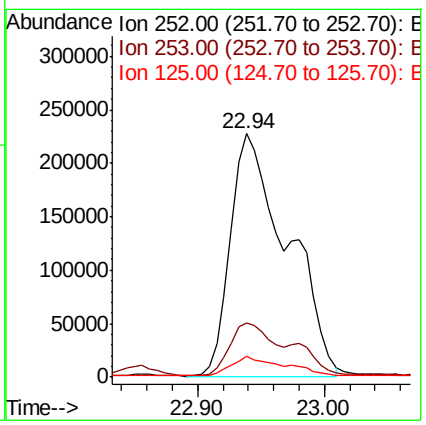


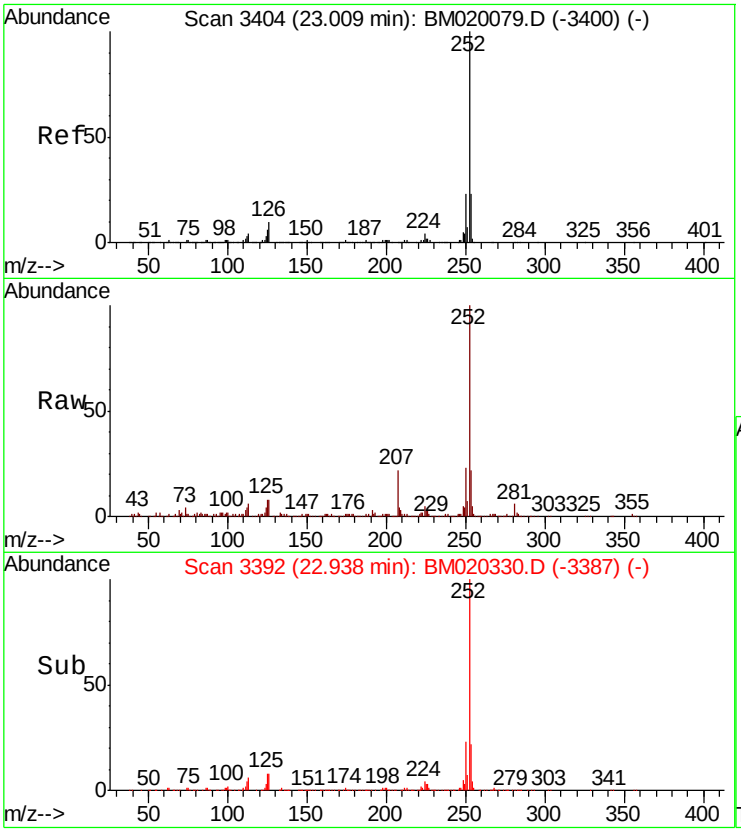


#88
Benzo(b)fluoranthene
Concen: 30.983 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.02 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:252 Resp: 704214

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.3	5.4	8.2#



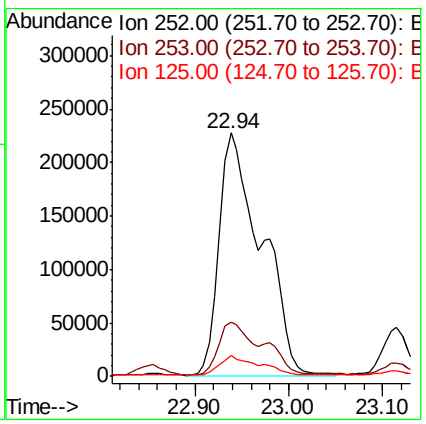


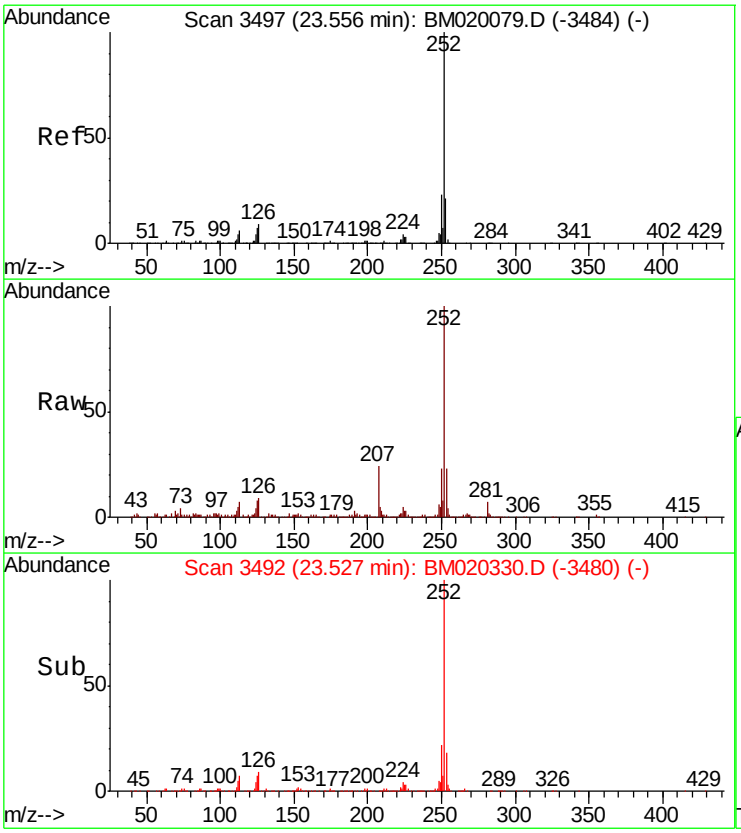
#89
Benzo(k)fluoranthene
Concen: 34.254 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.07 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 710191

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	8.3	5.4	8.0#

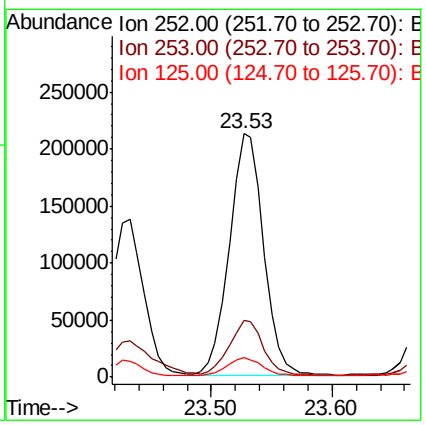


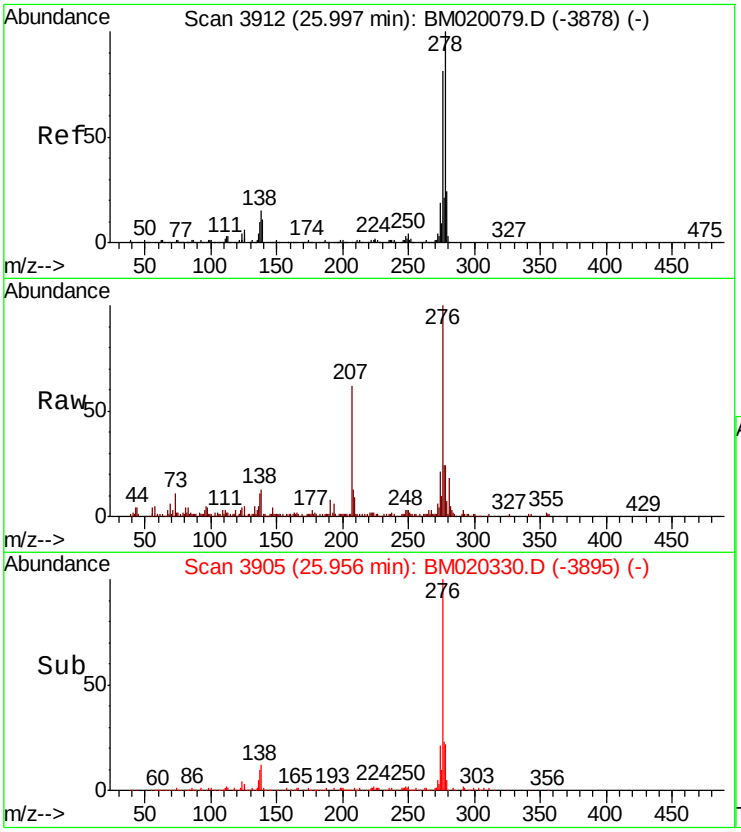


#90
Benzo(a)pyrene
Concen: 20.075 ng
RT: 23.53 min Scan# 3492
Delta R.T. -0.03 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:252 Resp: 414450

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	7.9	5.5	8.3



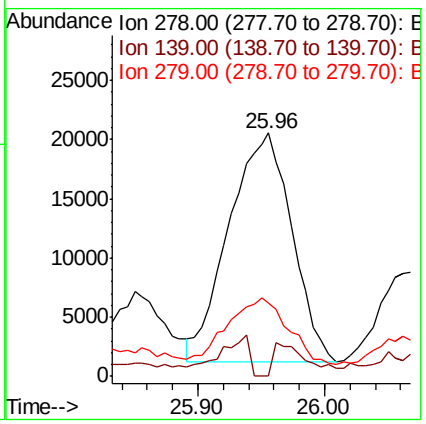


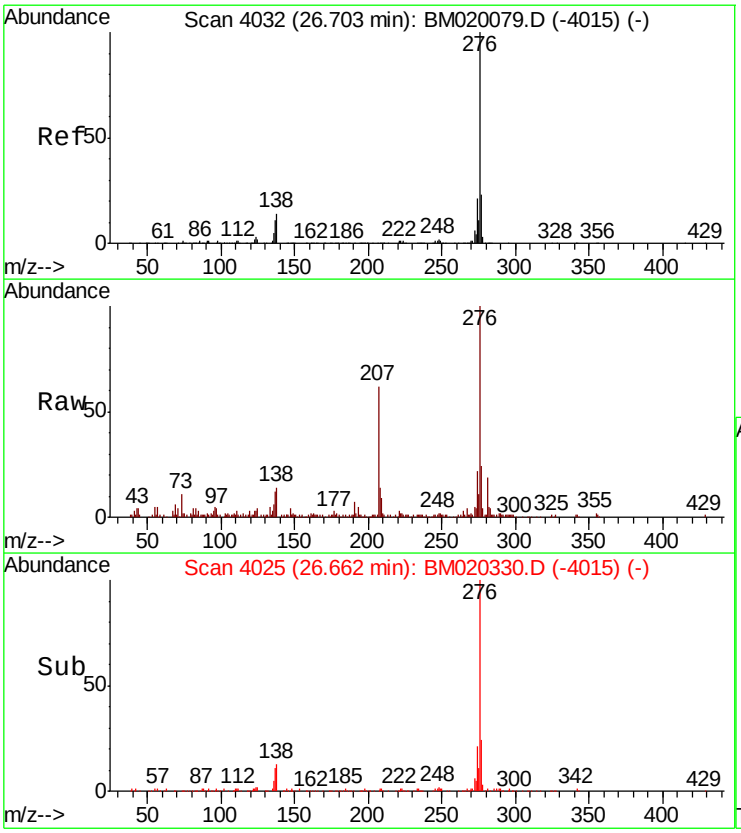
#91
Dibenzo(a,h)anthracene
Concen: 3.095 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 66457

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





#92
Benzo(g,h,i)perylene
Concen: 13.699 ng
RT: 26.66 min Scan# 4025
Delta R.T. -0.04 min
Lab File: BM020330.D
Acq: 14 May 2019 13:38

Tgt Ion:276 Resp: 279249

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	13.7	11.1	16.7