Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020163.D
Acq On : 07 May 2019 10:39
Operator : JU/SJ
Sample : K2672-04 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: May 07 11:22:18 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	7.80	152	181025	20.00	ng		0.00
21) Naphthalene-d8	10.59	136	639191	20.00	ng		0.00
39) Acenaphthene-d10	14.44	164	369403	20.00	ng		0.00
64) Phenanthrene-d10	17.19	188	870060	20.00	ng		0.00
76) Chrysene-d12	21.37	240	868694	20.00	ng		0.00
87) Perylene-d12	23.67	264	1015460	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	76426	6.90	ng		0.01
7) Phenol-d6	6.96	99	105038	6.94	ng		0.01
23) Nitrobenzene-d5	8.96	82	60969	3.77	ng		0.00
42) 2,4,6-Tribromophenol	15.93	330	37286	6.50	ng		0.01
45) 2-Fluorobiphenyl	13.06	172	131149	4.37	ng		0.00
79) Terphenyl-d14	19.81	244	203774	4.09	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	14.16	152	164527	4.235	ng		97
71) Phenanthrene	17.23	178	1460467	30.409	ng		99
72) Anthracene	17.32	178	488867	10.181	ng		99
75) Fluoranthene	19.25	202	3269780	53.808	ng		100
78) Pyrene	19.62	202	2683615	46.013	ng		99
81) Benzo(a)anthracene	21.36	228	1256770	20.629	ng		98
83) Chrysene	21.41	228	1073218	18.164	ng		96
86) Indeno(1,2,3-cd)pyrene	26.01	276	473103	6.732	ng	#	100
88) Benzo(b)fluoranthene	22.98	252	1200797	17.907	ng	#	95
89) Benzo(k)fluoranthene	22.98	252	1192407	19.494	ng	#	96
90) Benzo(a)pyrene	23.57	252	803836	13.197	ng		96
92) Benzo(g,h,i)perylene	26.74	276	473494	7.874	ng		96

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

Quantitation Report (Not Reviewed)

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Acq On : 07 May 2019 10:39
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Misc :
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Instrument :
BNA_M
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
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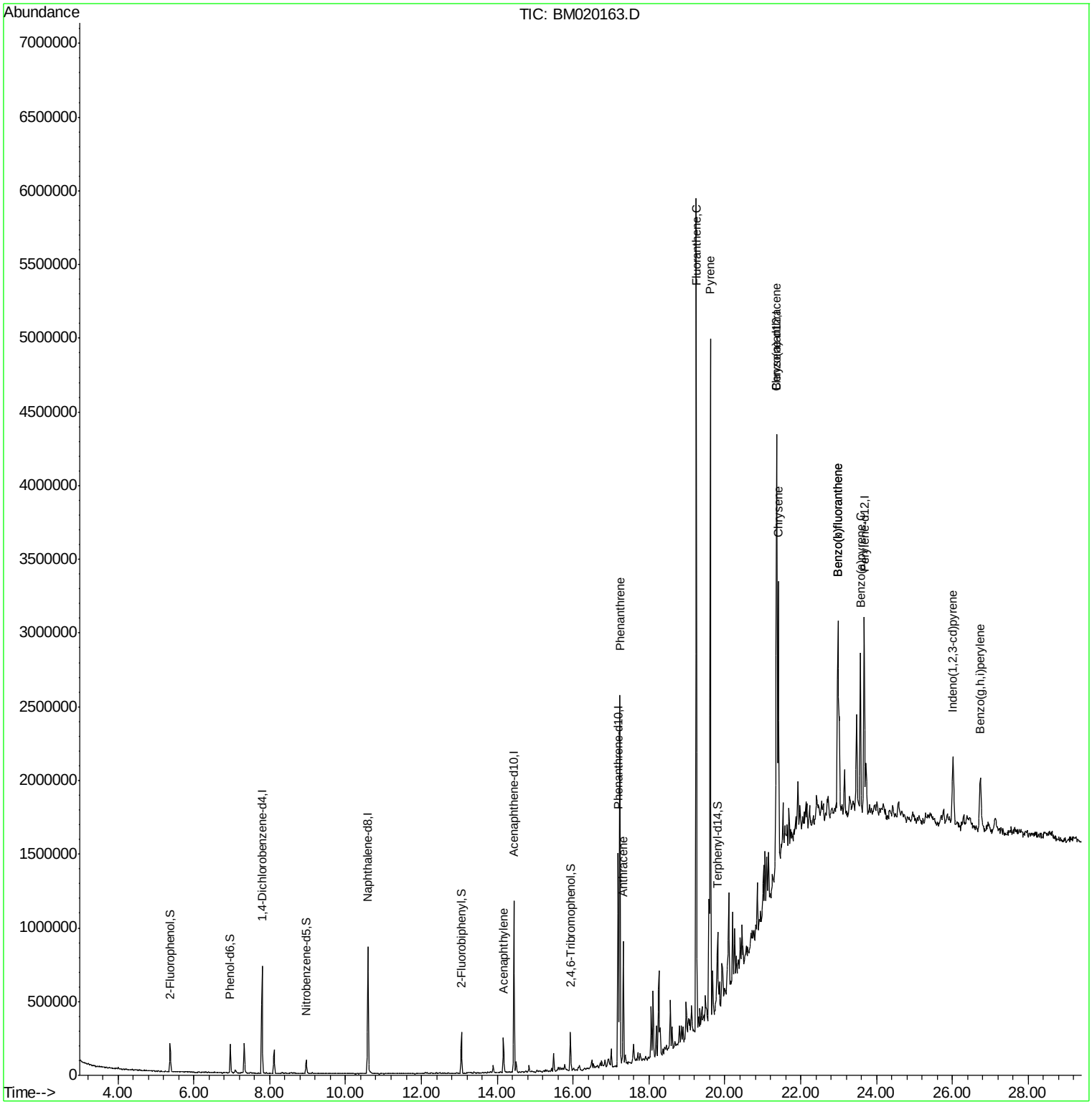
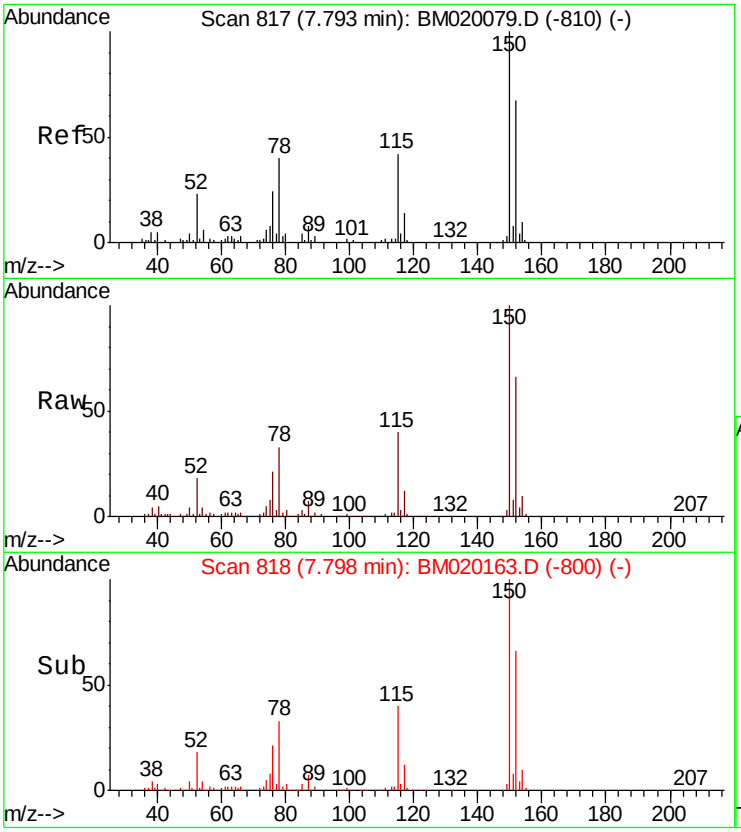


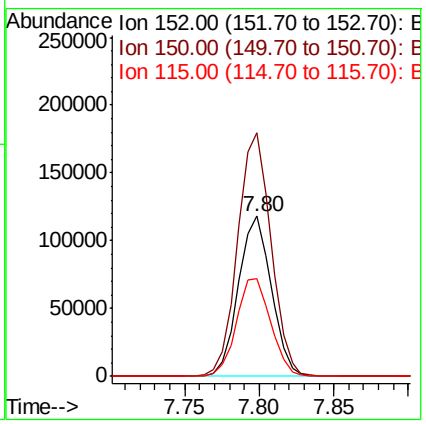


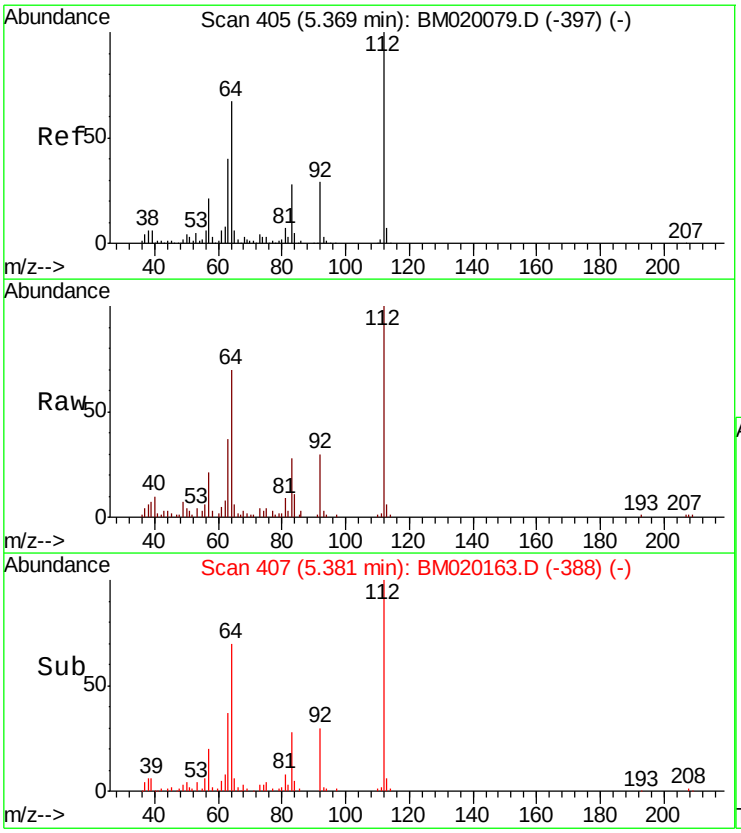
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 181025

Ion	Ratio	Lower	Upper
152	100		
150	152.0	119.8	179.8
115	61.3	50.8	76.2

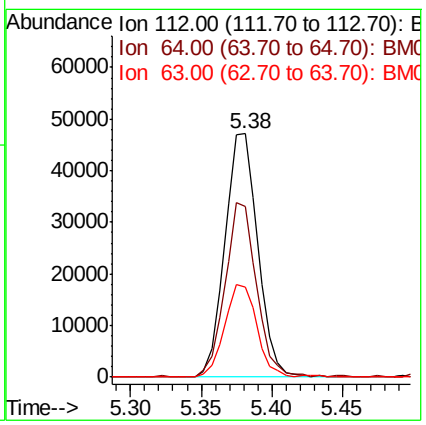


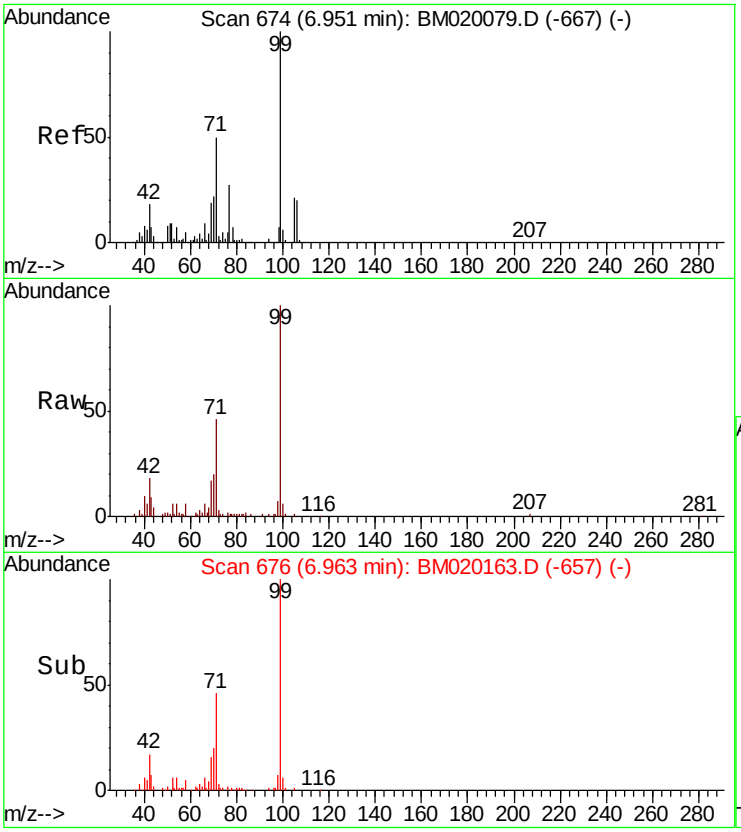


#5
2-Fluorophenol
Concen: 6.901 ng
RT: 5.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:112 Resp: 76426

Ion	Ratio	Lower	Upper
112	100		
64	70.1	53.8	80.6
63	37.2	32.3	48.5



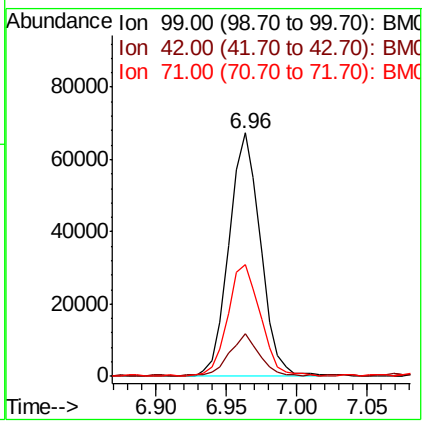


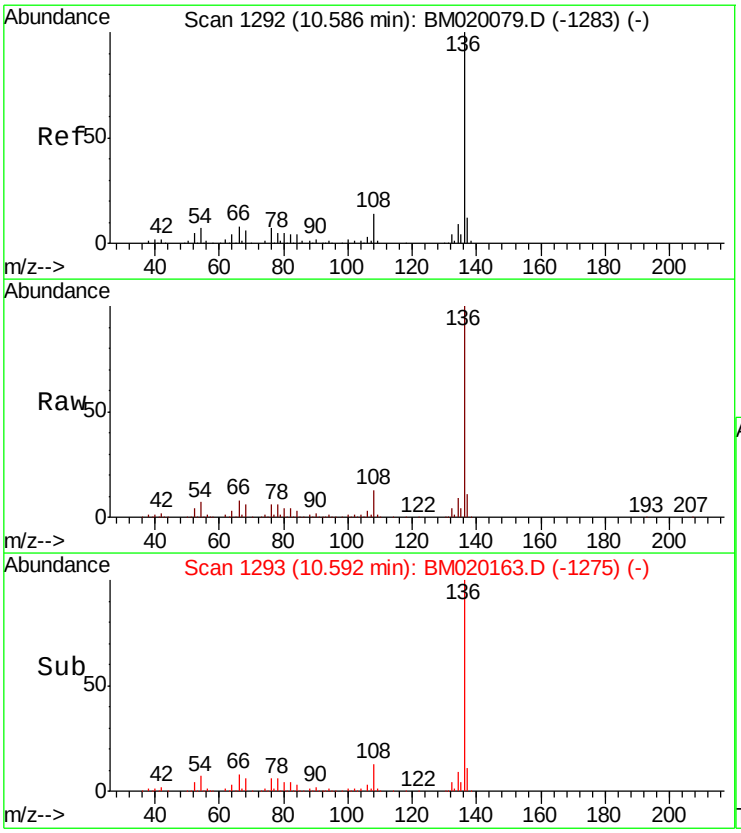
#7
Phenol-d6
Concen: 6.943 ng
RT: 6.96 min Scan# 676
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 105038

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.2	21.2
71	45.9	40.3	60.5

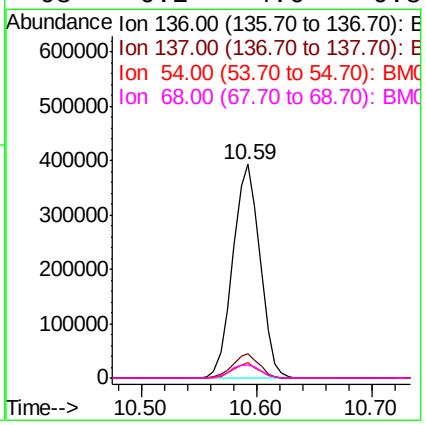


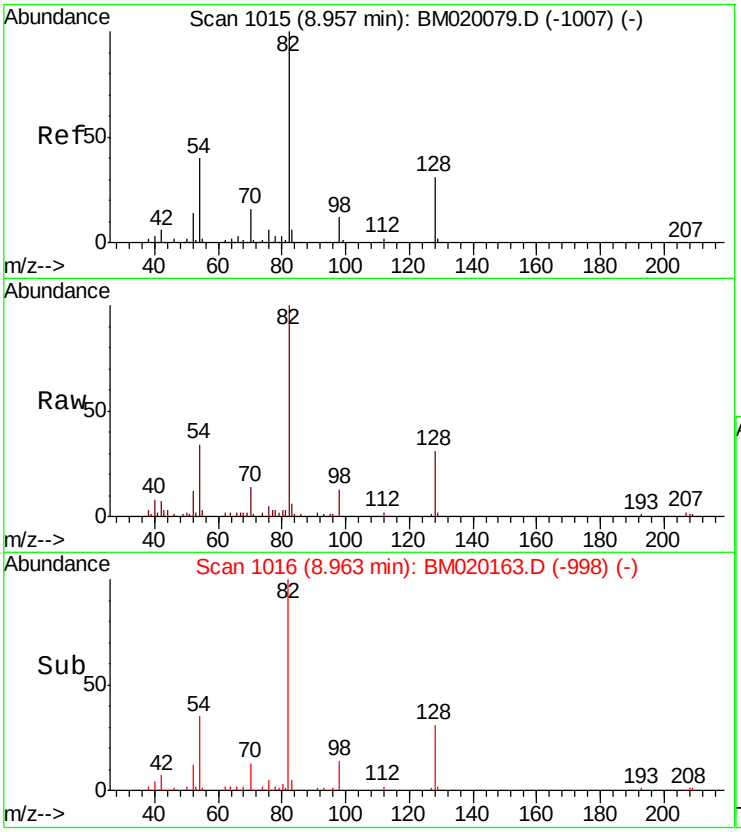


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.59 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:136 Resp: 639191

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	7.0	5.5	8.3
68	6.2	4.6	6.8



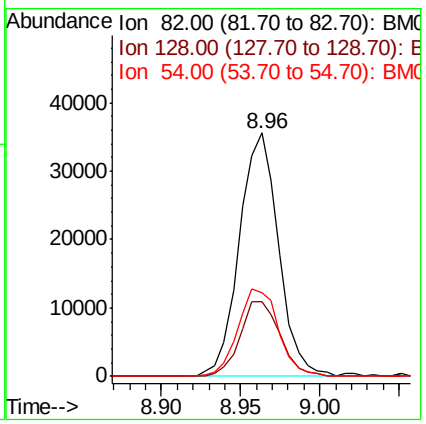


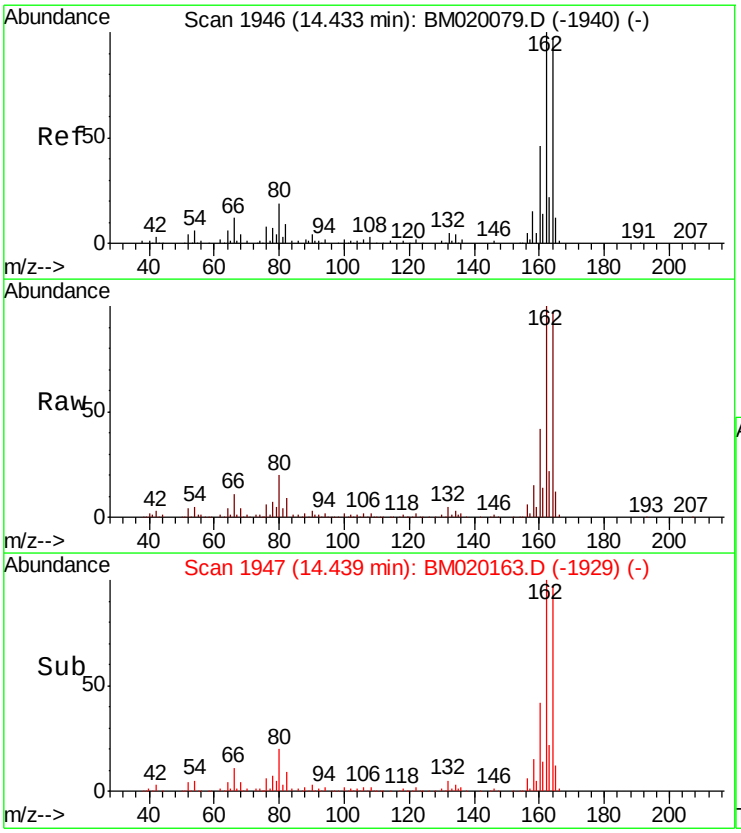
#23
Nitrobenzene-d5
Concen: 3.766 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 82 Resp: 60969

Ion	Ratio	Lower	Upper
82	100		
128	30.7	25.2	37.8
54	34.2	31.9	47.9

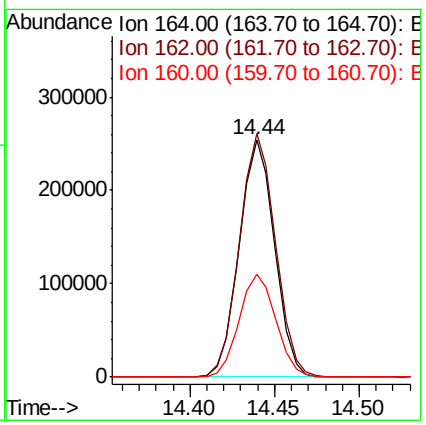


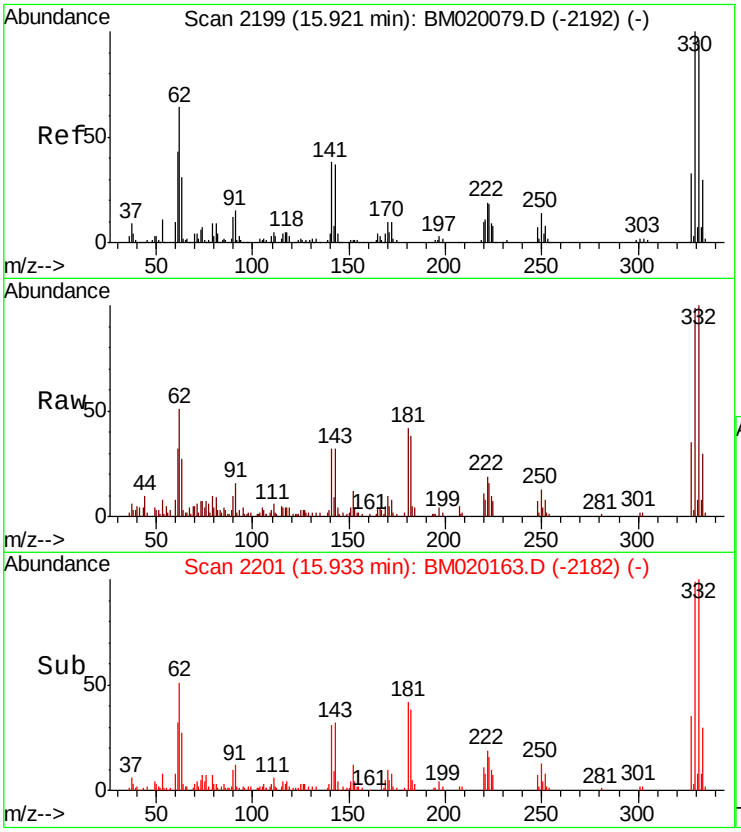


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:164 Resp: 369403

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.2	123.2
160	43.1	37.6	56.4



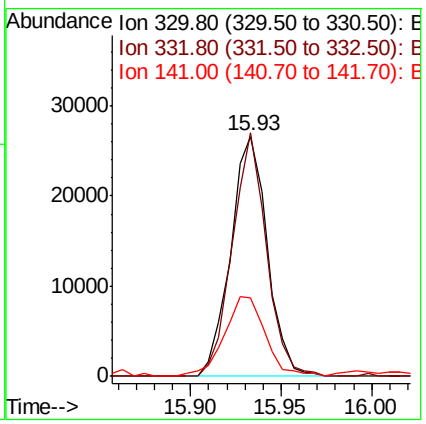


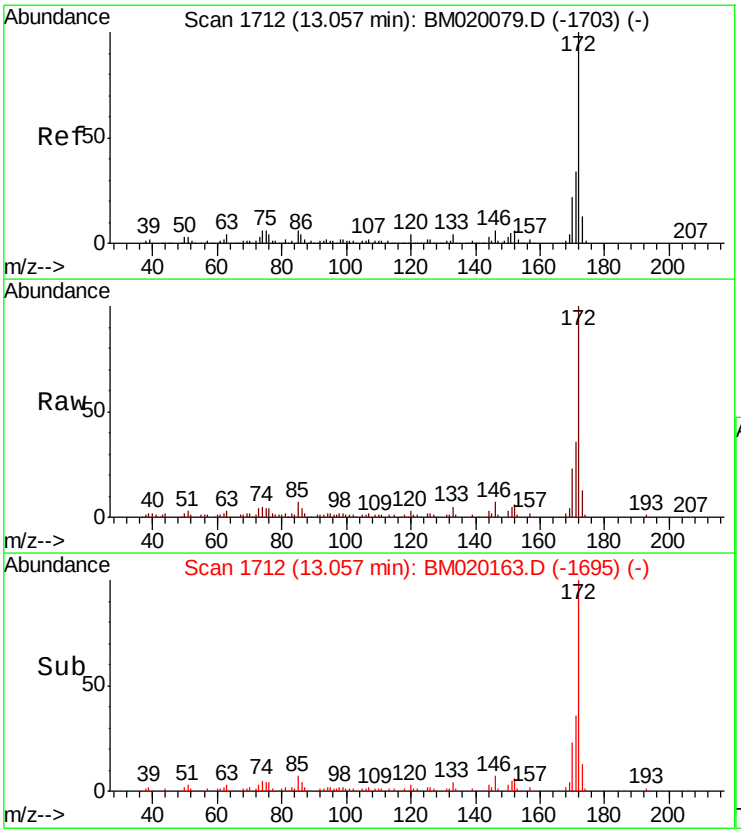
#42
2,4,6-Tribromophenol
Concen: 6.503 ng
RT: 15.93 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:330 Resp: 37286

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.8	115.2
141	37.5	29.2	43.8

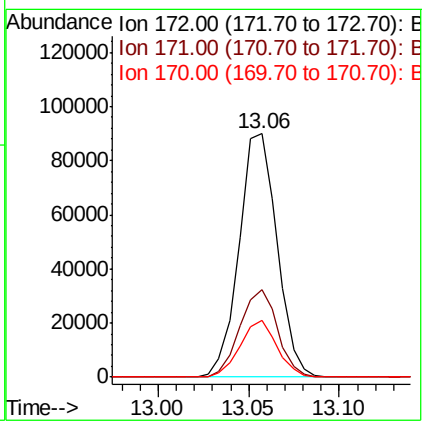


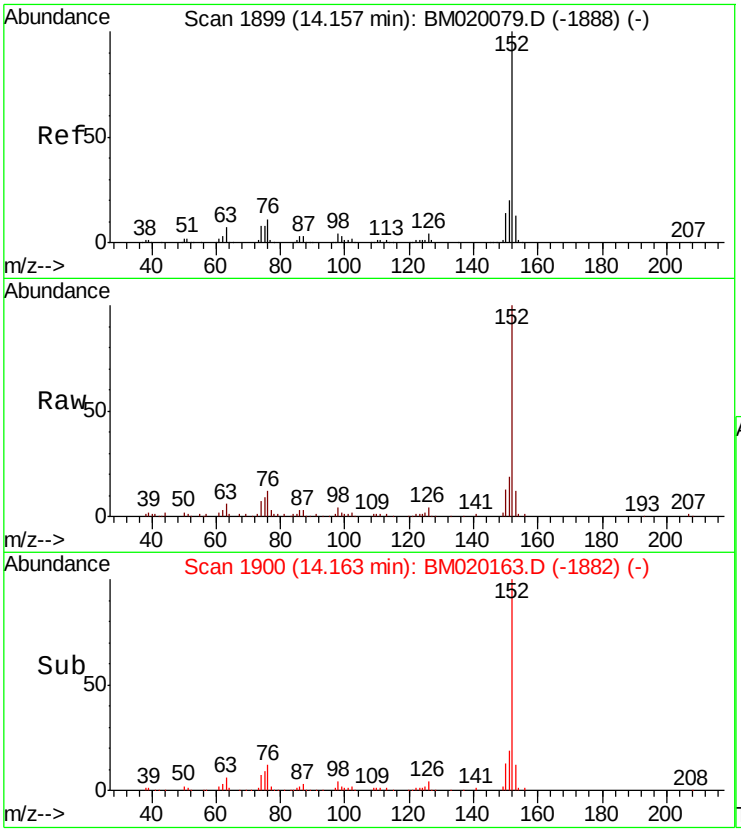


#45
2-Fluorobiphenyl
Concen: 4.368 ng
RT: 13.06 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:172 Resp: 131149

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.3	40.9
170	23.3	17.9	26.9



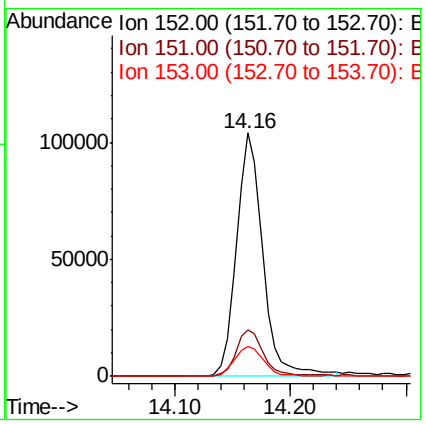


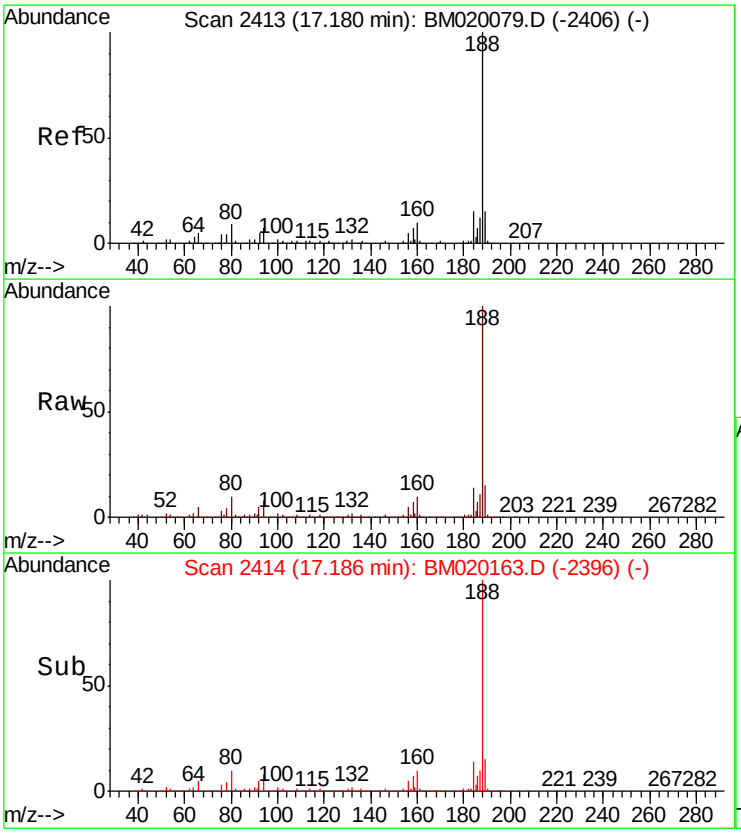
#49
Acenaphthylene
Concen: 4.235 ng
RT: 14.16 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 164527

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.2
153	12.0	10.6	16.0

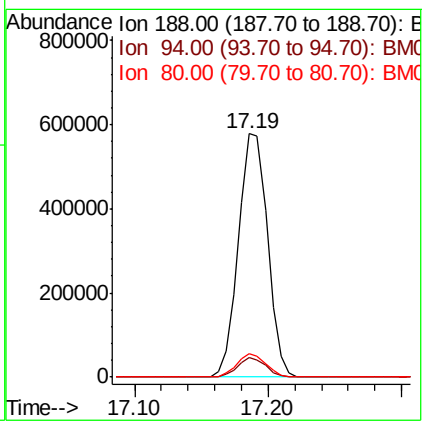


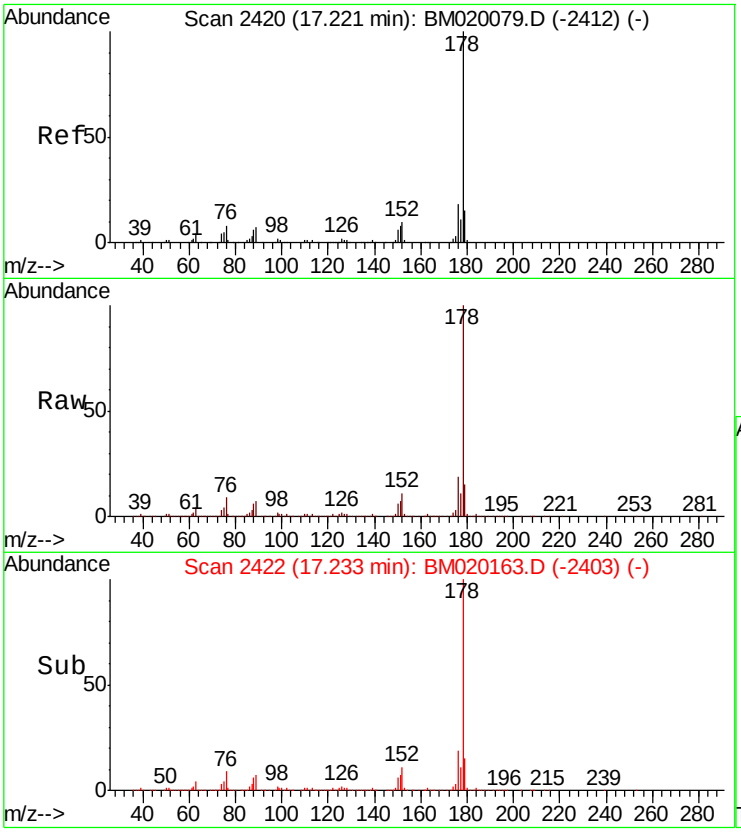


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:188 Resp: 870060

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.8	8.6
80	9.9	7.4	11.2



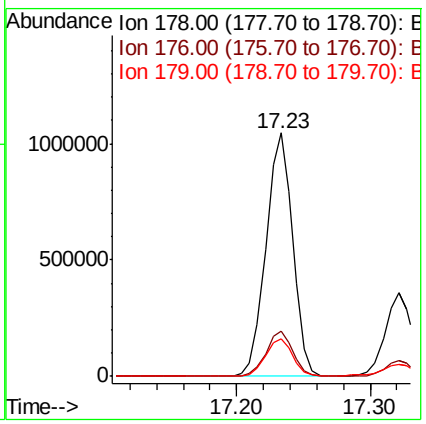


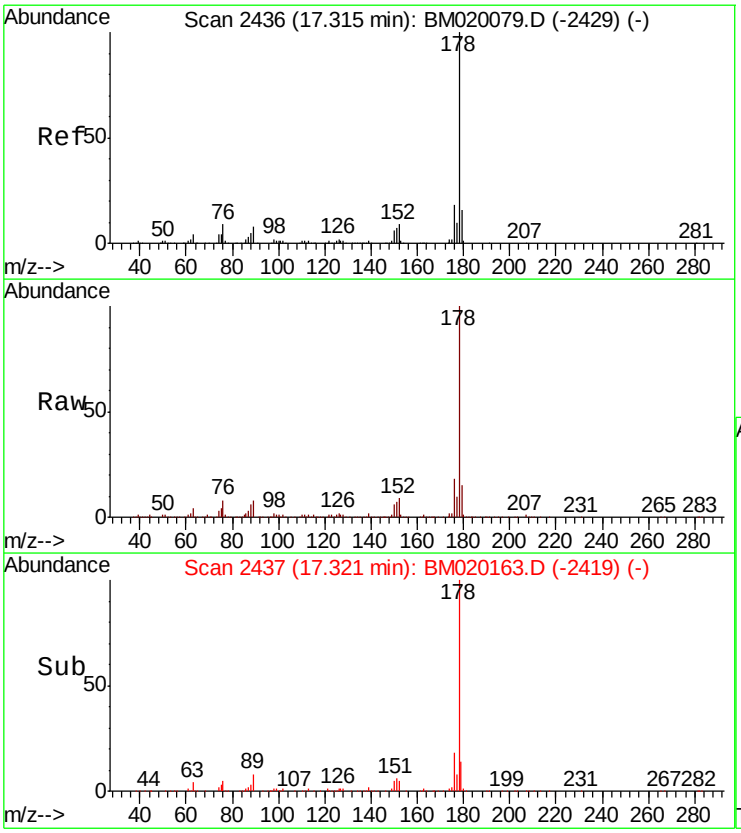
#71
Phenanthrene
Concen: 30.409 ng
RT: 17.23 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 1460467

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.2	12.4	18.6

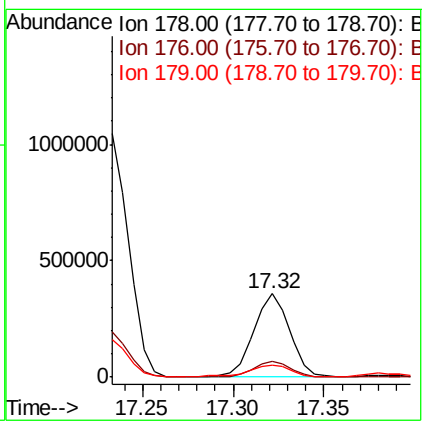


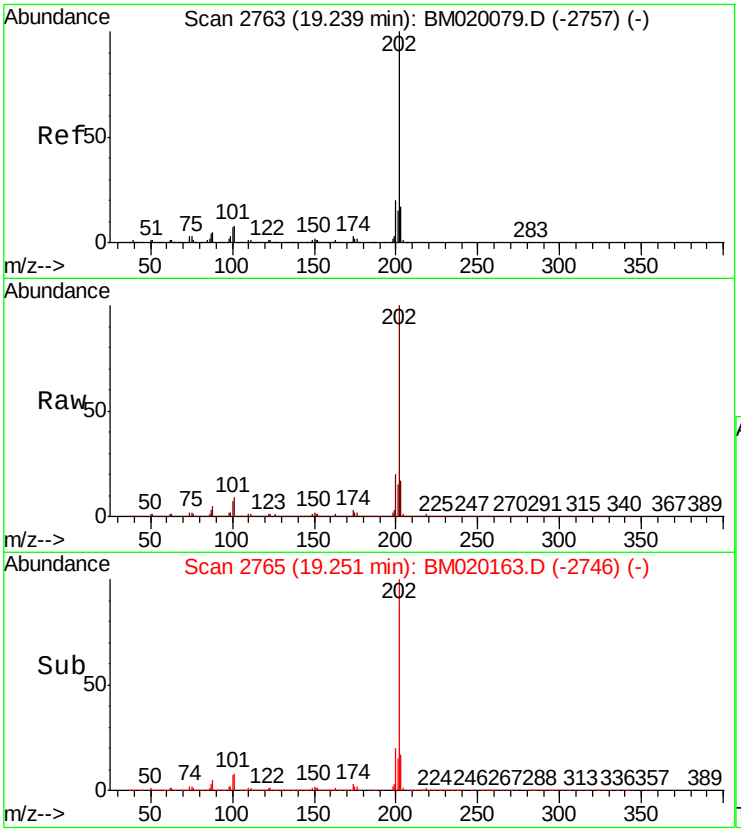


#72
Anthracene
Concen: 10.181 ng
RT: 17.32 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:178 Resp: 488867

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.1	12.4	18.6



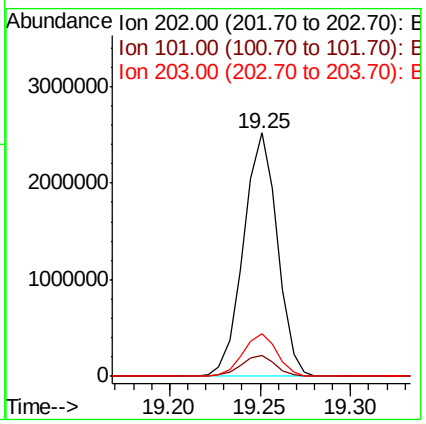


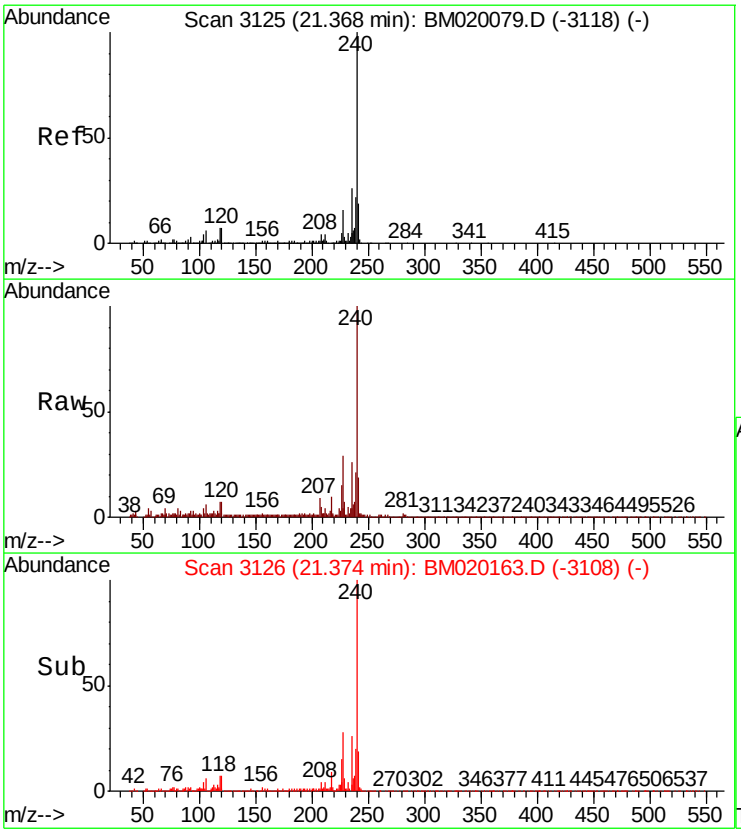
#75
Fluoranthene
Concen: 53.808 ng
RT: 19.25 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 3269780

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.4

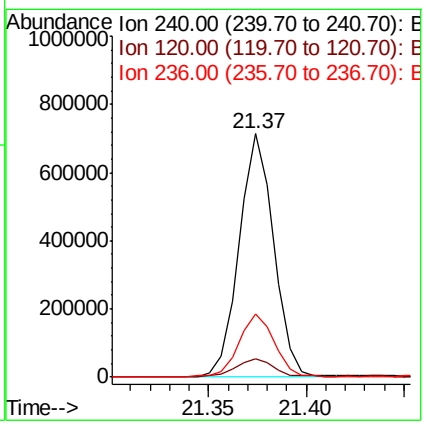


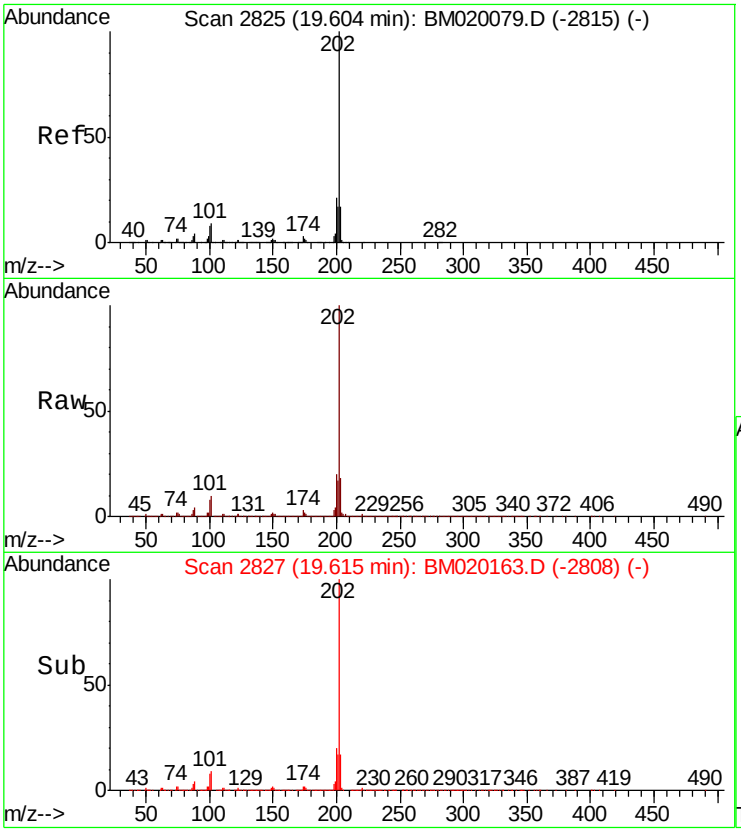


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:240 Resp: 868694

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.6	8.4
236	26.1	20.9	31.3



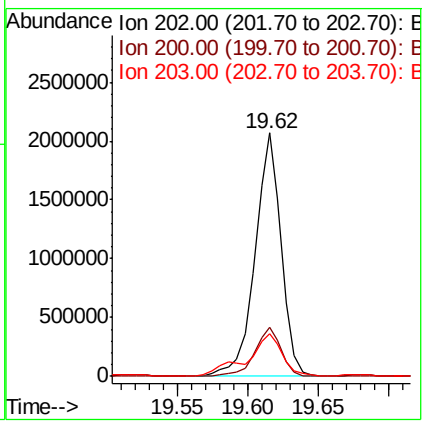


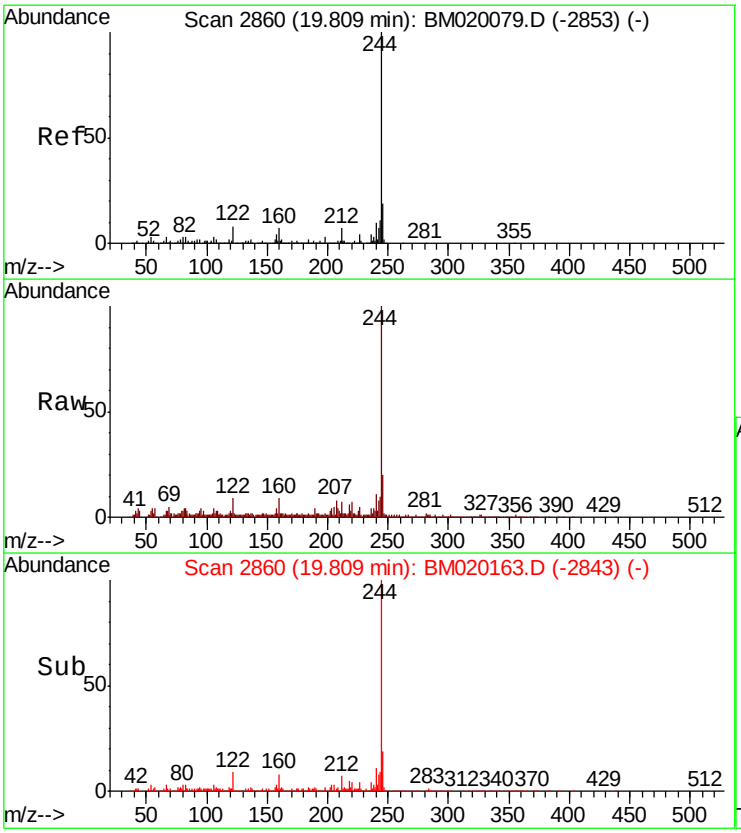
#78
Pyrene
Concen: 46.013 ng
RT: 19.62 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 2683615

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.6	13.9	20.9

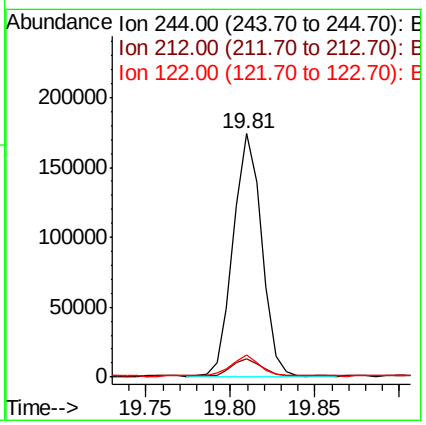


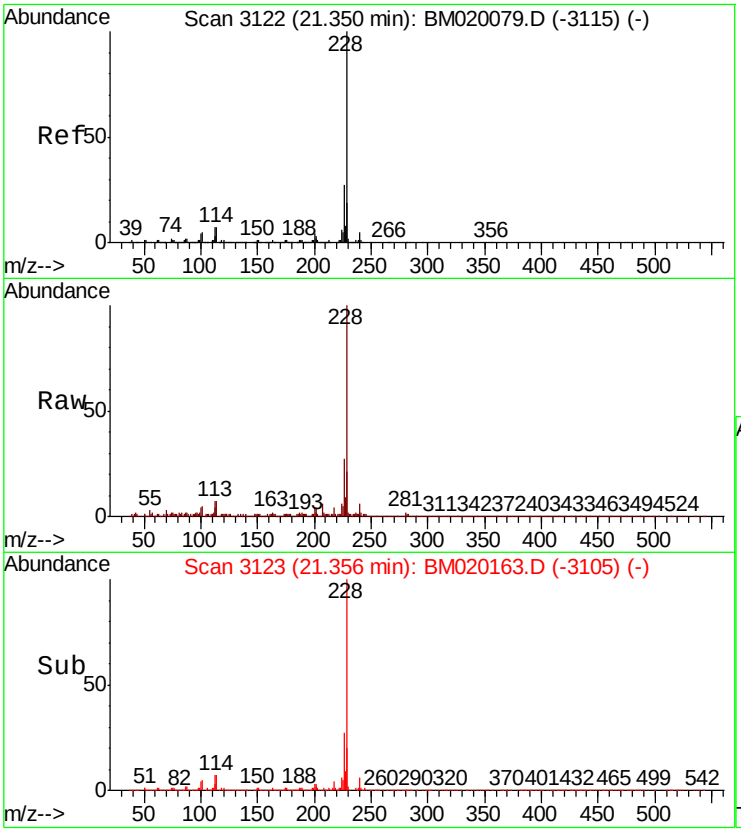


#79
Terphenyl-d14
Concen: 4.092 ng
RT: 19.81 min Scan# 2860
Delta R.T. 0.00 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:244 Resp: 203774

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	9.0	6.2	9.2



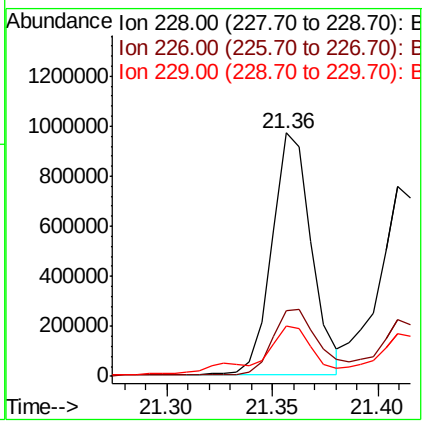


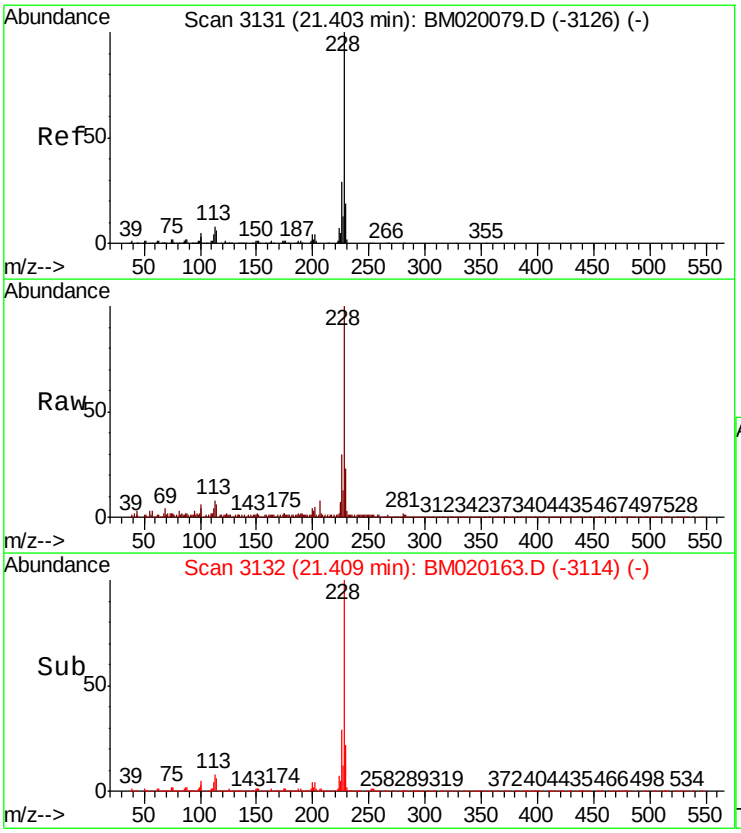
#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 21.36 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 1256770

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	20.8	15.5	23.3

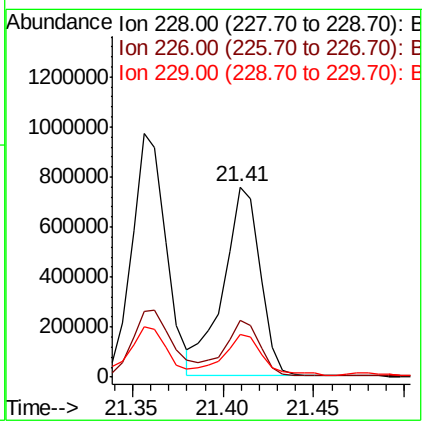


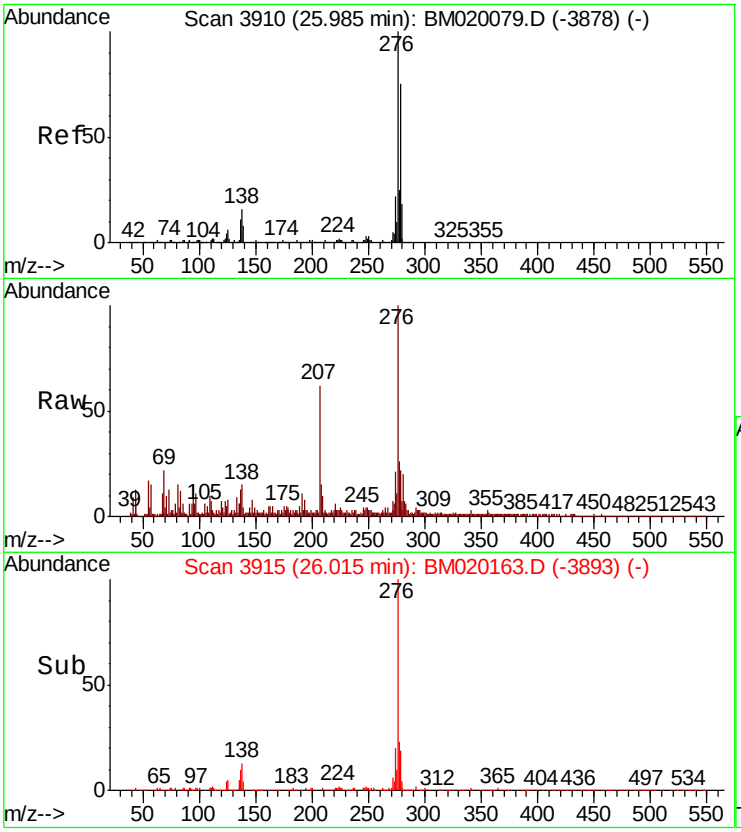


#83
Chrysene
Concen: 18.164 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:228 Resp: 1073218

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	22.7	15.5	23.3



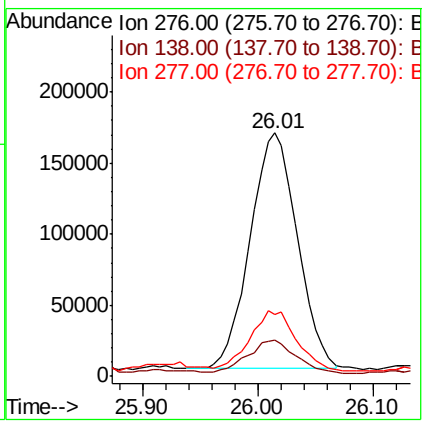


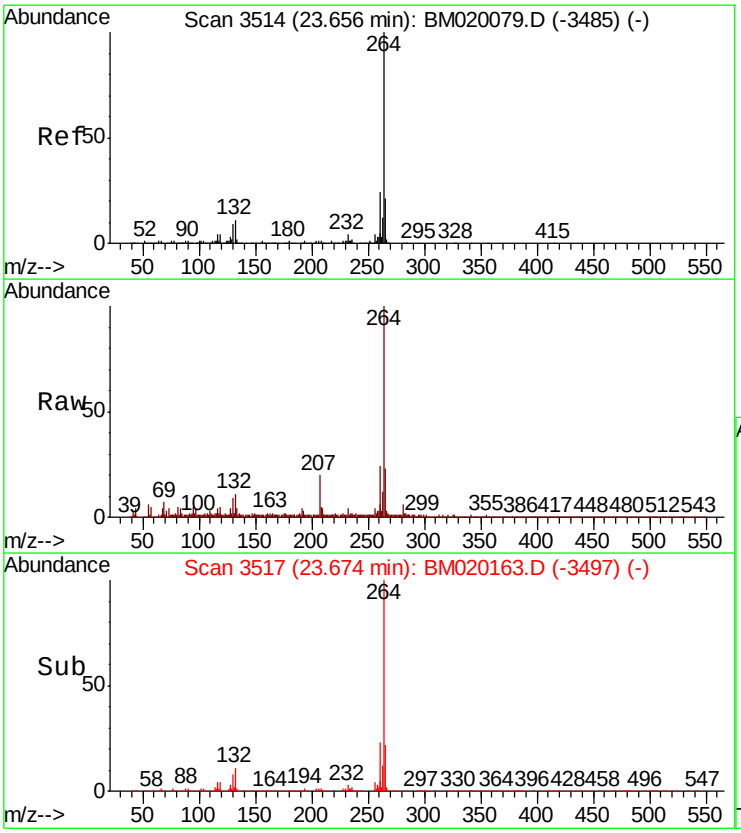
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.732 ng
RT: 26.01 min Scan# 3915
Delta R.T. 0.03 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 473103

Ion	Ratio	Lower	Upper
276	100		
138	13.7	0.0	0.0#
277	24.1	0.0	0.0#

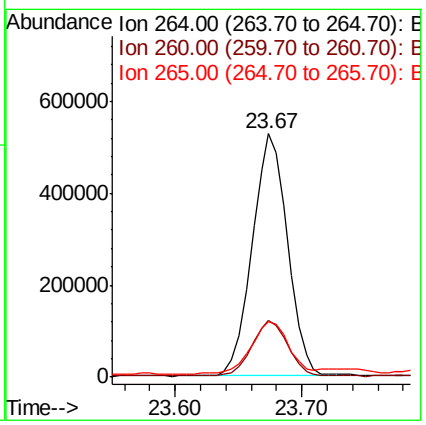


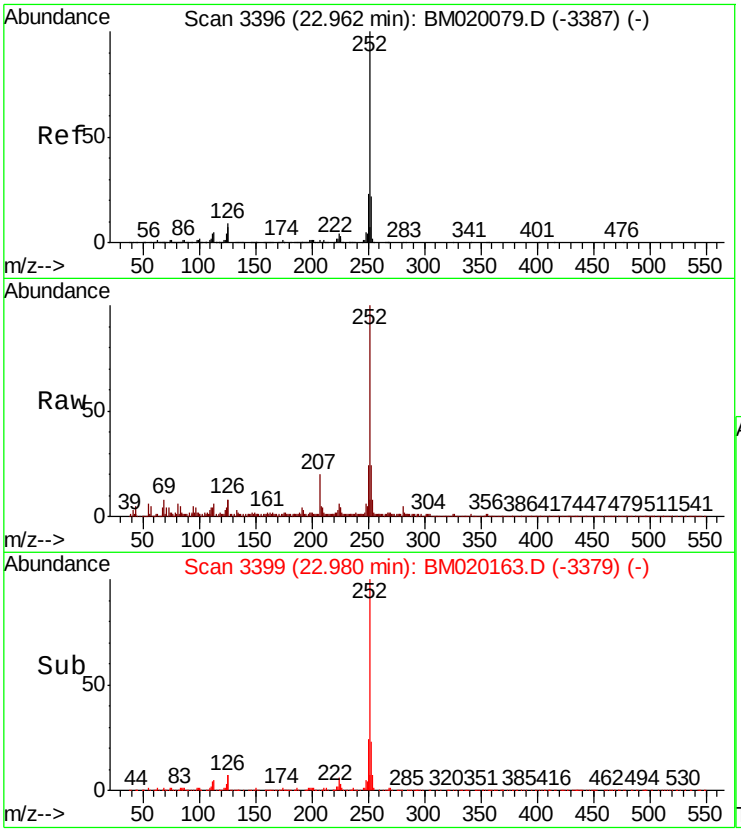


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.67 min Scan# 3517
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:264 Resp: 1015460

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.9	16.9	25.3



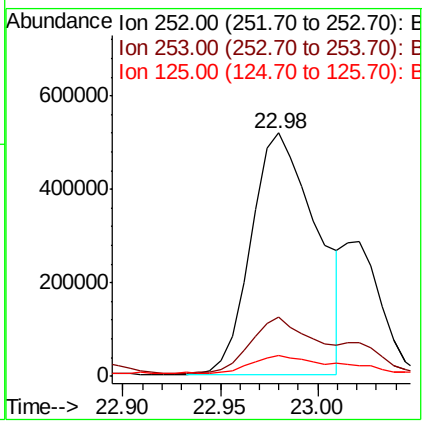


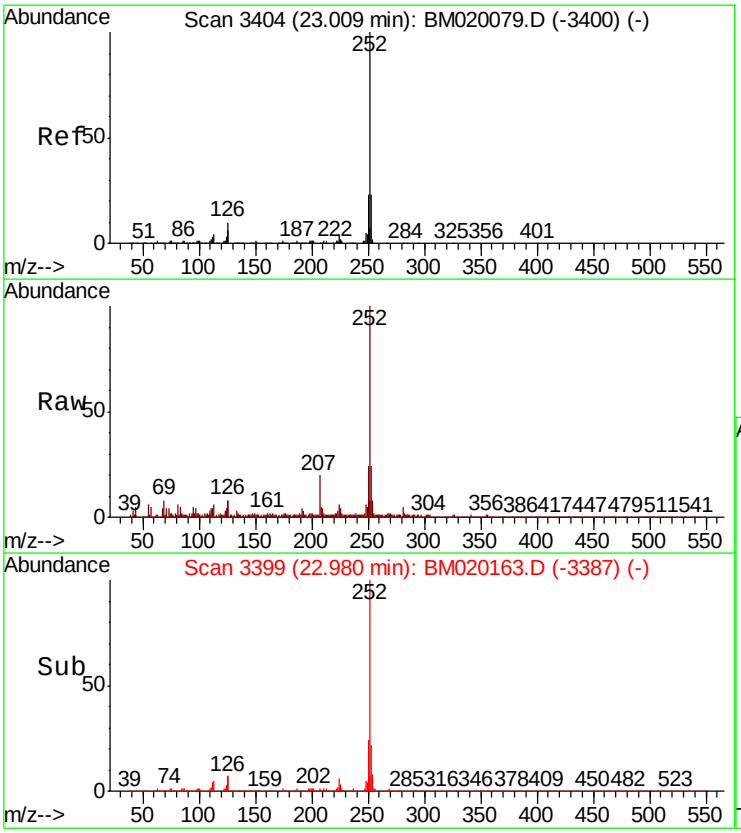
#88
Benzo(b)fluoranthene
Concen: 17.907 ng
RT: 22.98 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 1200797

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	8.4	5.4	8.2#

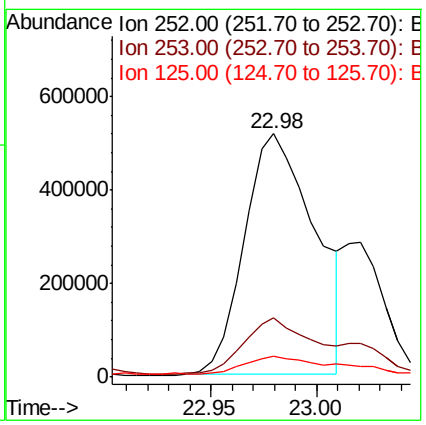


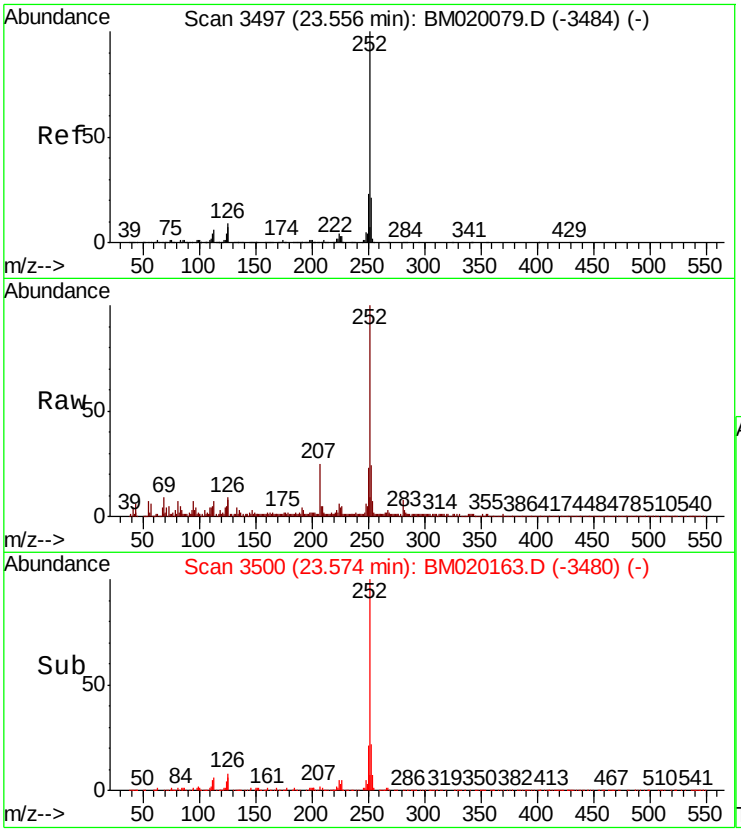


#89
Benzo(k)fluoranthene
Concen: 19.494 ng
RT: 22.98 min Scan# 3399
Delta R.T. -0.03 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:252 Resp: 1192407

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	8.4	5.4	8.0#



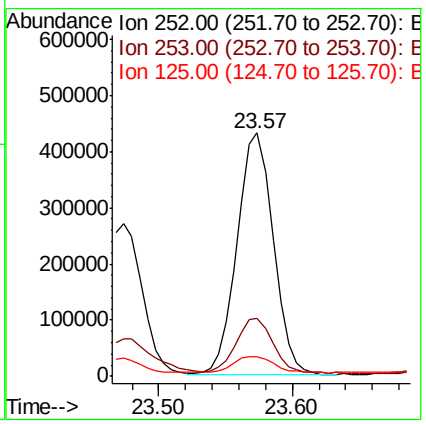


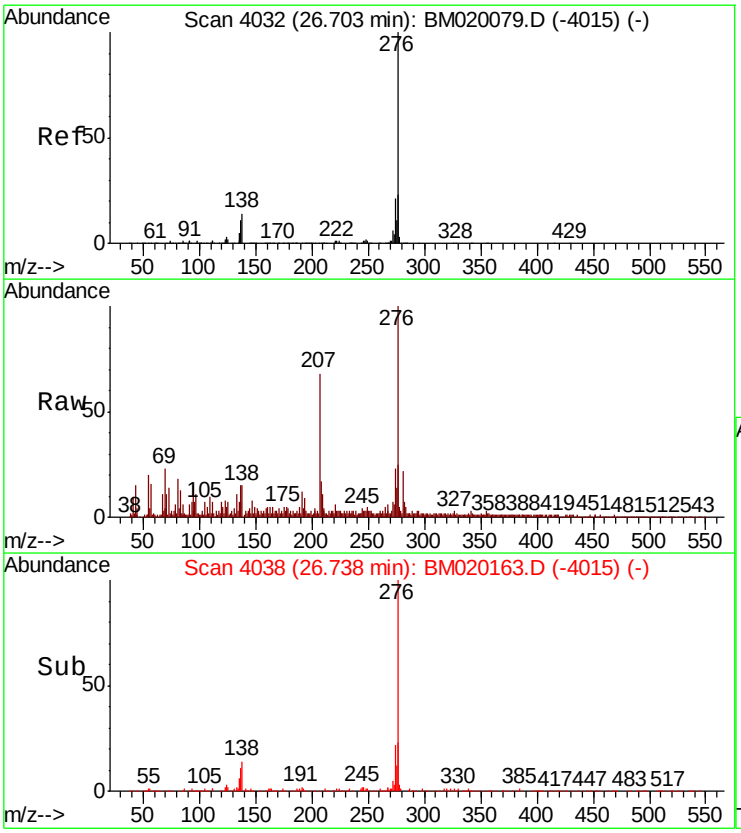
#90
Benzo(a)pyrene
Concen: 13.197 ng
RT: 23.57 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 803836

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	8.0	5.5	8.3





#92
Benzo(g,h,i)perylene
Concen: 7.874 ng
RT: 26.74 min Scan# 4038
Delta R.T. 0.04 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion:276 Resp: 473494

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.4	27.6
138	15.3	11.1	16.7