Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041719\
Data File : BM019935.D
Acq On : 17 Apr 2019 13:09
Operator : JU/SJ
Sample : K2199-11DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : OR-02-041219-BDL

Quant Time: Apr 17 16:05:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM041519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 15 16:16:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	142533	20.00	ng		0.00
21) Naphthalene-d8	10.31	136	542556	20.00	ng		0.00
39) Acenaphthene-d10	14.19	164	290544	20.00	ng		0.00
64) Phenanthrene-d10	16.96	188	617083	20.00	ng		0.00
76) Chrysene-d12	21.17	240	614645	20.00	ng		0.00
87) Perylene-d12	23.37	264	748680	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	412700	46.93	ng		0.00
7) Phenol-d6	6.72	99	558653	42.21	ng		0.00
23) Nitrobenzene-d5	8.71	82	337555	27.82	ng		0.00
42) 2,4,6-Tribromophenol	15.71	330	184067	39.36	ng		0.00
45) 2-Fluorobiphenyl	12.80	172	670553	28.76	ng		0.00
79) Terphenyl-d14	19.60	244	923424	26.50	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.36	128	66985	2.302	ng		98
49) Acenaphthylene	13.92	152	104985	3.143	ng		99
50) Dimethylphthalate	13.67	163	70349	2.745	ng		100
52) Acenaphthene	14.26	154	60164	3.249	ng		98
55) Dibenzofuran	14.61	168	84334	2.785	ng		97
58) Fluorene	15.26	166	128651	5.014	ng		100
71) Phenanthrene	17.00	178	1899059	51.859	ng		99
72) Anthracene	17.09	178	494359	13.562	ng		98
73) Carbazole	17.39	167	115758	3.401	ng		98
75) Fluoranthene	19.03	202	3127556	74.214	ng		99
78) Pyrene	19.40	202	2528153	62.111	ng		100
81) Benzo(a)anthracene	21.16	228	1318069	33.852	ng		100
83) Chrysene	21.21	228	1057774	28.328	ng		97
86) Indeno(1,2,3-cd)pyrene	25.57	276	785659	21.389	ng		96
88) Benzo(b)fluoranthene	22.72	252	1478469m	29.740	ng		
89) Benzo(k)fluoranthene	22.75	252	565191m	12.076	ng		
90) Benzo(a)pyrene	23.27	252	1103688	25.056	ng		98
91) Dibenzo(a,h)anthracene	25.57	278	215435	5.073	ng	#	76
92) Benzo(g,h,i)perylene	26.25	276	730462	18.990	ng		99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041719\
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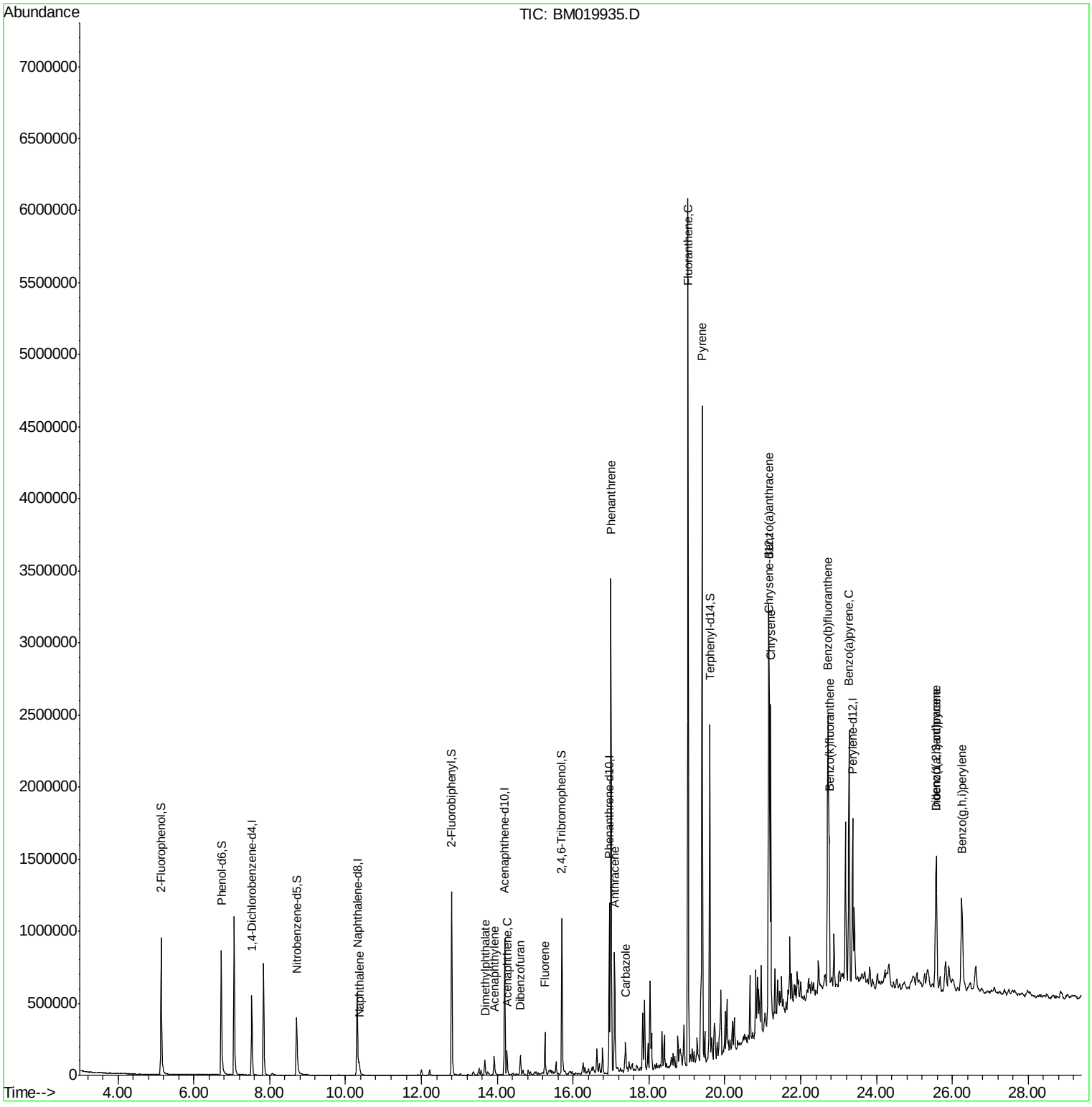
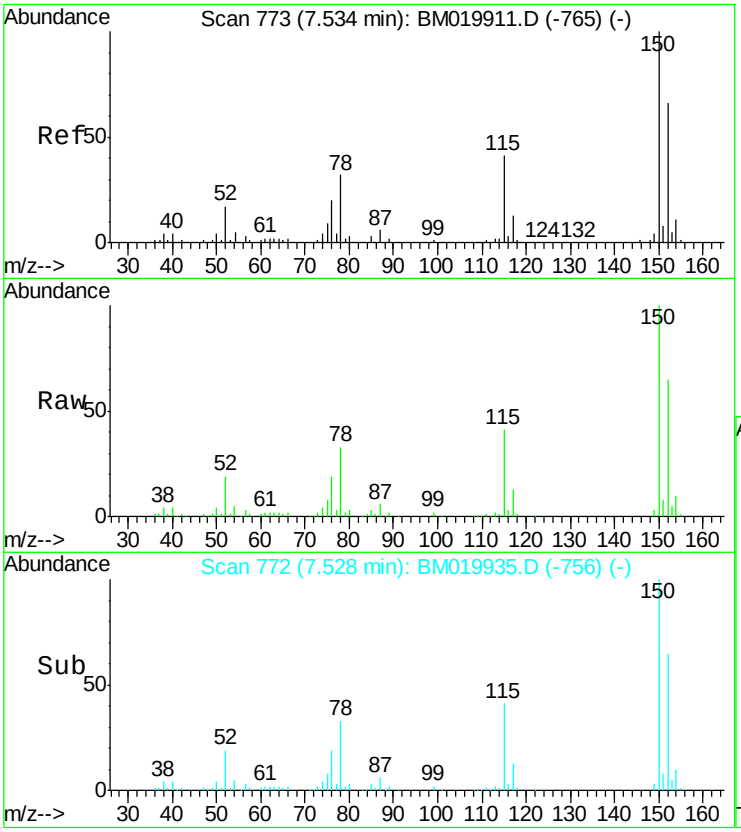


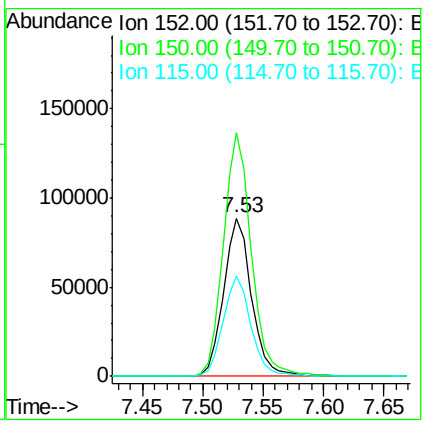


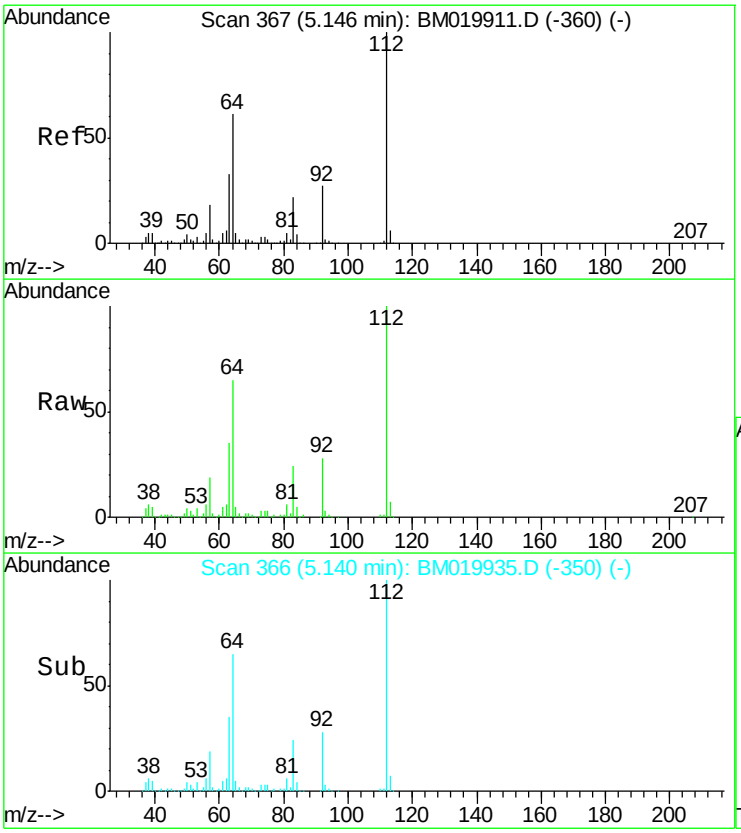
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 772
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:152 Resp: 142533

Ion	Ratio	Lower	Upper
152	100		
150	153.7	122.1	183.1
115	62.9	50.0	75.0

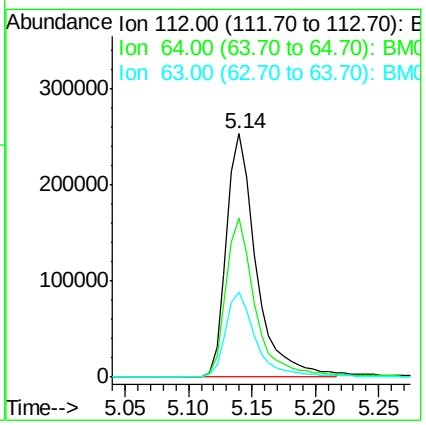


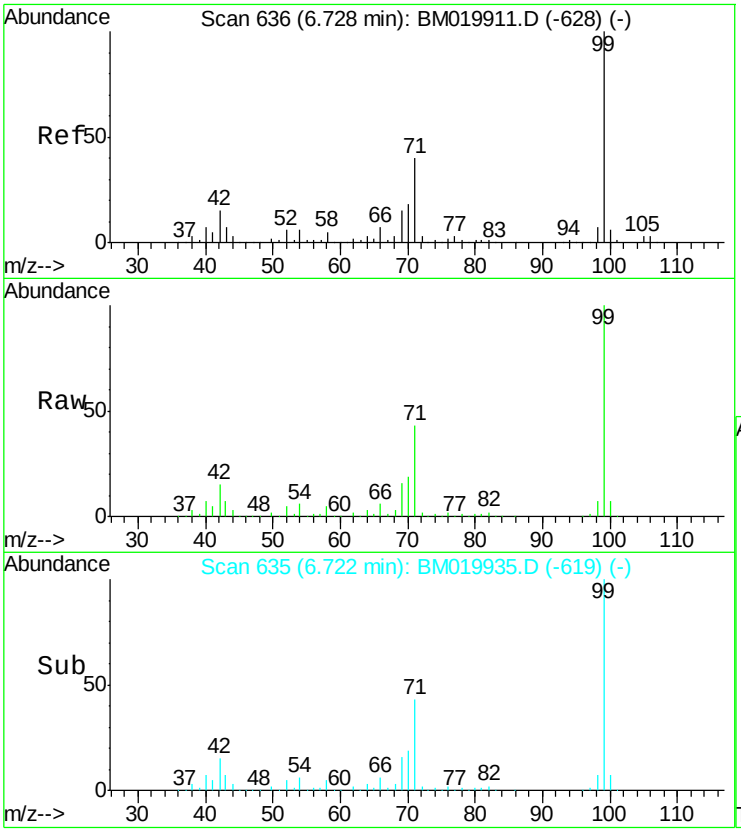


#5
2-Fluorophenol
Concen: 46.925 ng
RT: 5.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:112 Resp: 412700

Ion	Ratio	Lower	Upper
112	100		
64	65.5	49.1	73.7
63	34.8	26.5	39.7



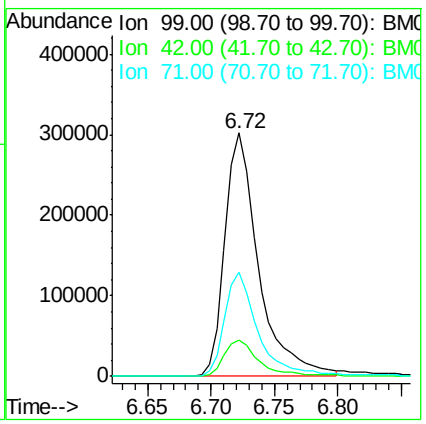


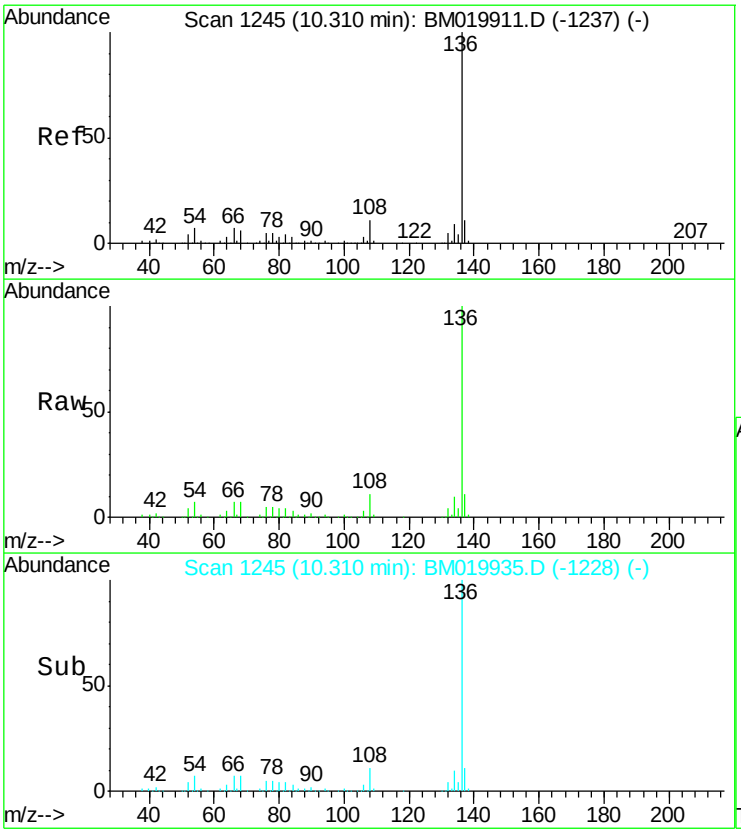
#7
Phenol-d6
Concen: 42.207 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion: 99 Resp: 558653

Ion	Ratio	Lower	Upper
99	100		
42	15.1	11.8	17.8
71	42.5	32.0	48.0

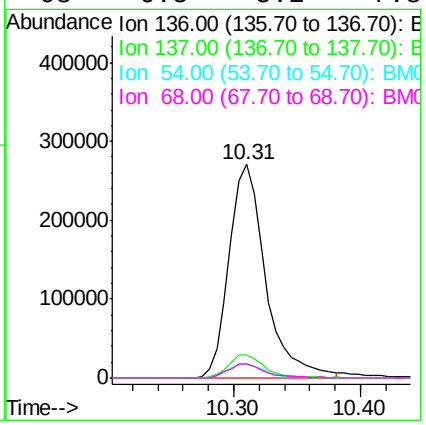


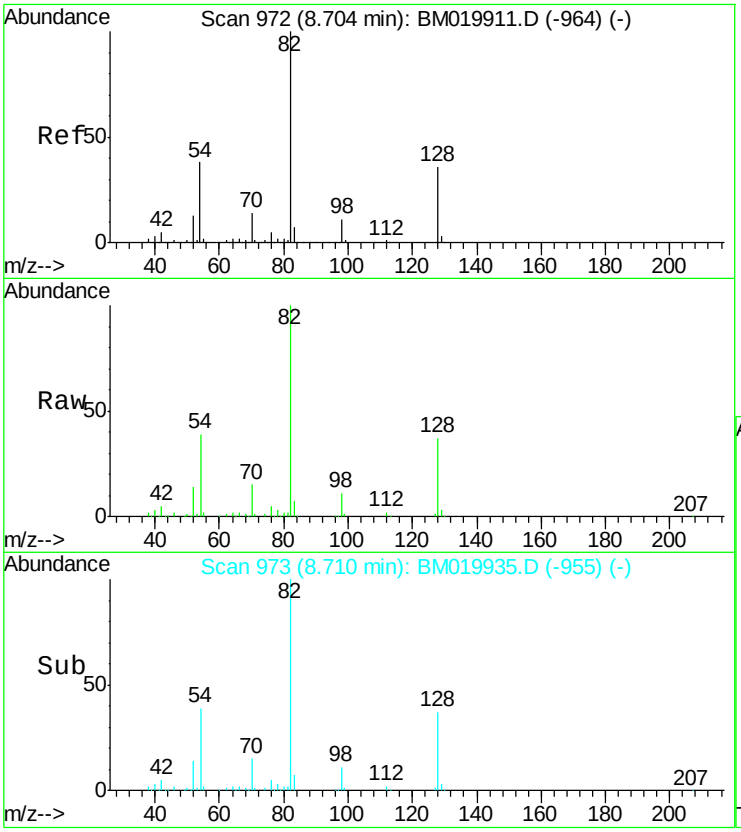


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.31 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:136 Resp: 542556

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	6.6	5.3	7.9
68	6.5	5.2	7.8



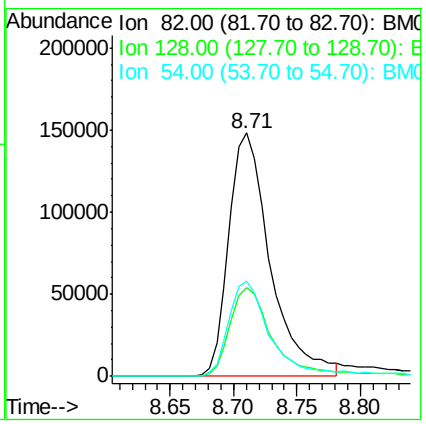


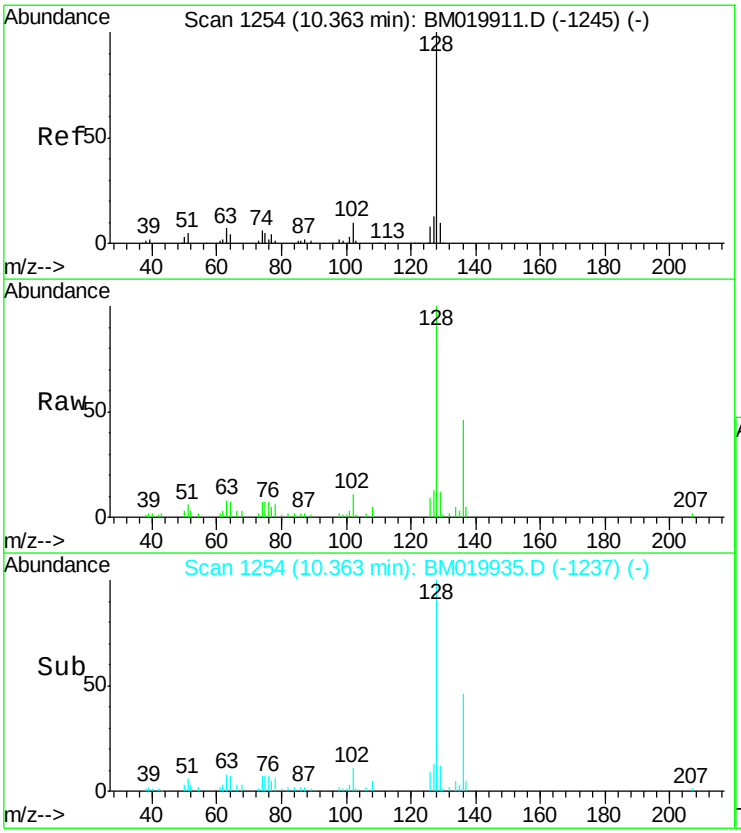
#23
Nitrobenzene-d5
Concen: 27.824 ng
RT: 8.71 min Scan# 973
Delta R.T. 0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion: 82 Resp: 337555

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	39.0	30.2	45.4

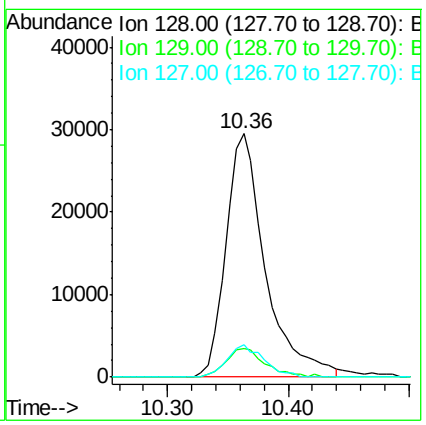


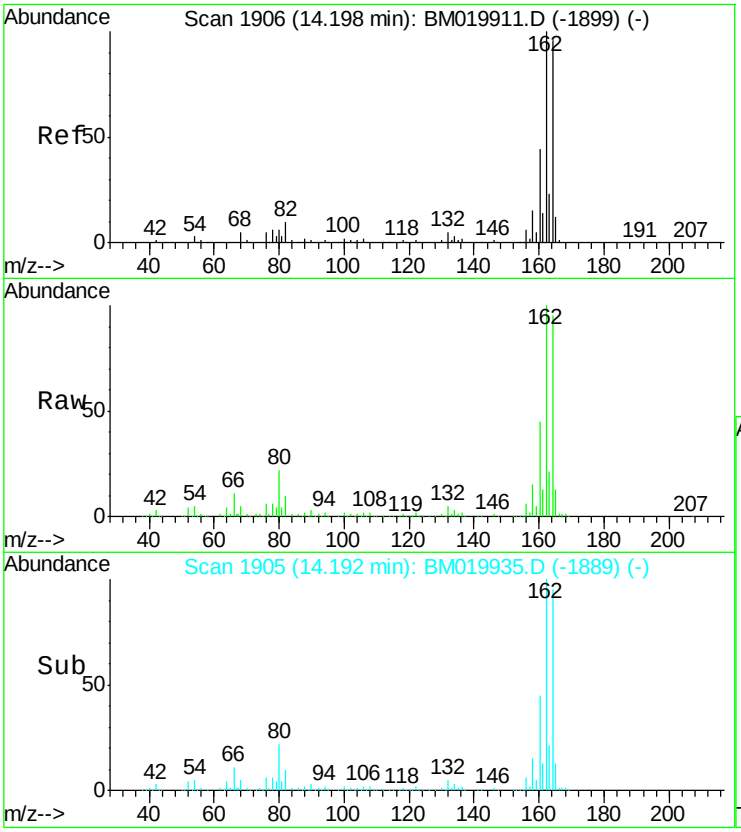


#31
Naphthalene
Concen: 2.302 ng
RT: 10.36 min Scan# 1254
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:128 Resp: 66985

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.3	12.5
127	13.4	10.4	15.6



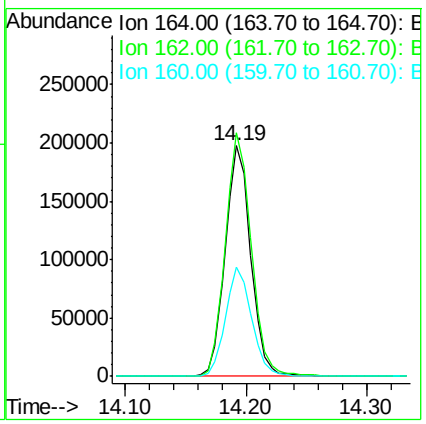


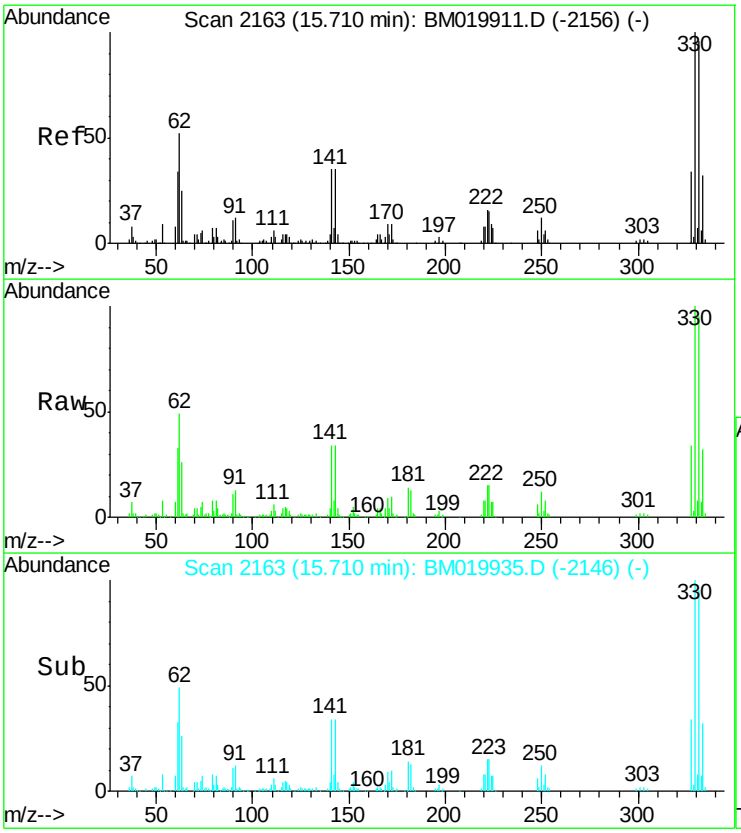
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:164 Resp: 290544

Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.0	124.4
160	47.3	36.6	55.0

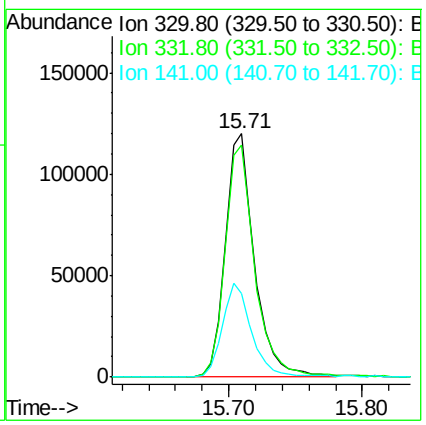


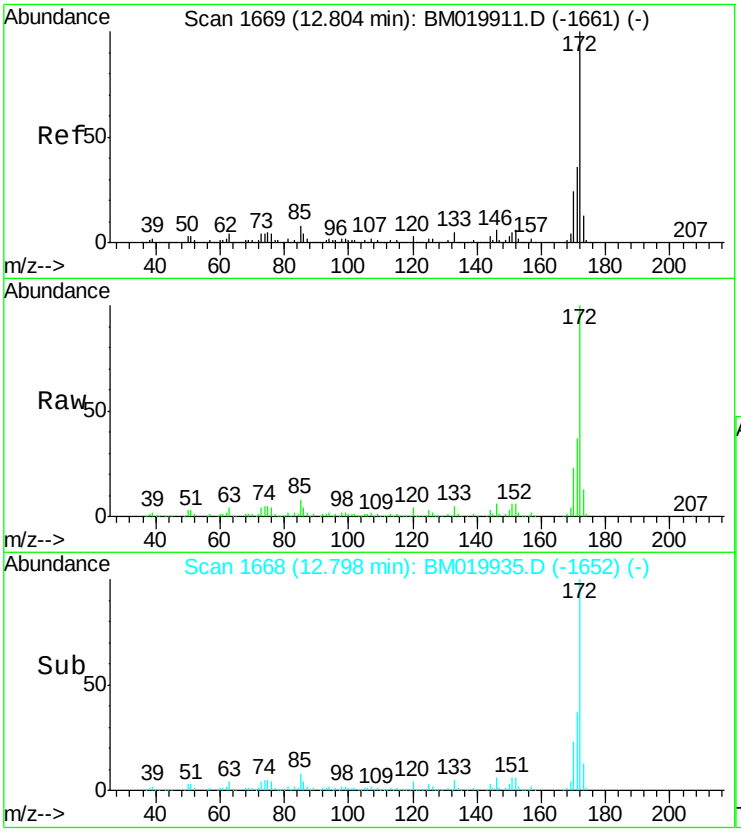


#42
2,4,6-Tribromophenol
Concen: 39.356 ng
RT: 15.71 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:330 Resp: 184067

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	39.2	29.0	43.4



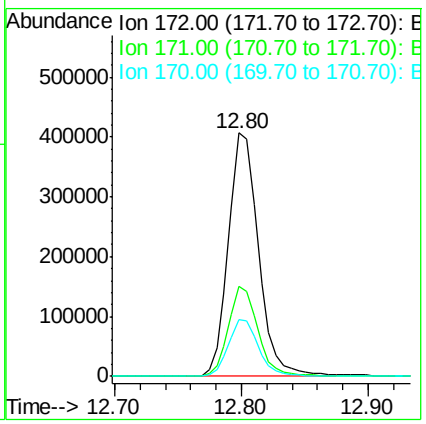


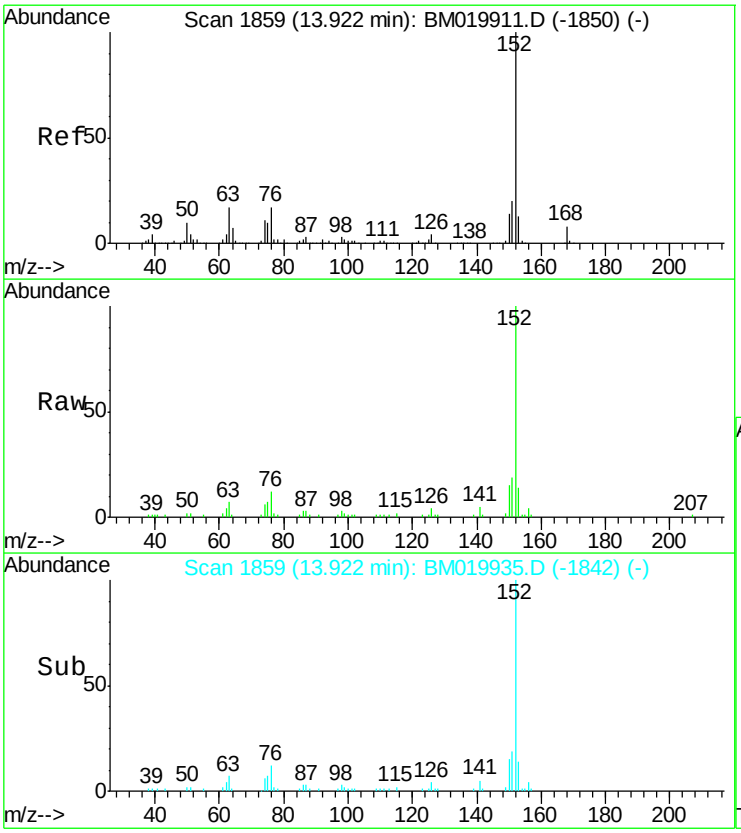
#45
2-Fluorobiphenyl
Concen: 28.762 ng
RT: 12.80 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:172 Resp: 670553

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	23.3	19.0	28.4

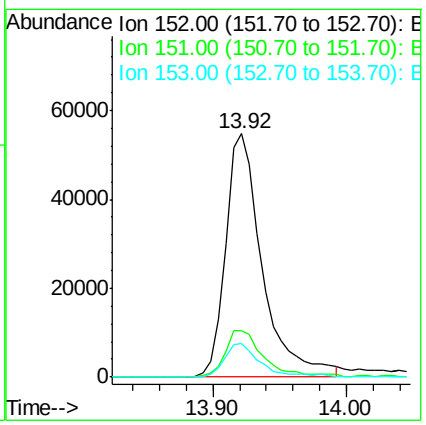


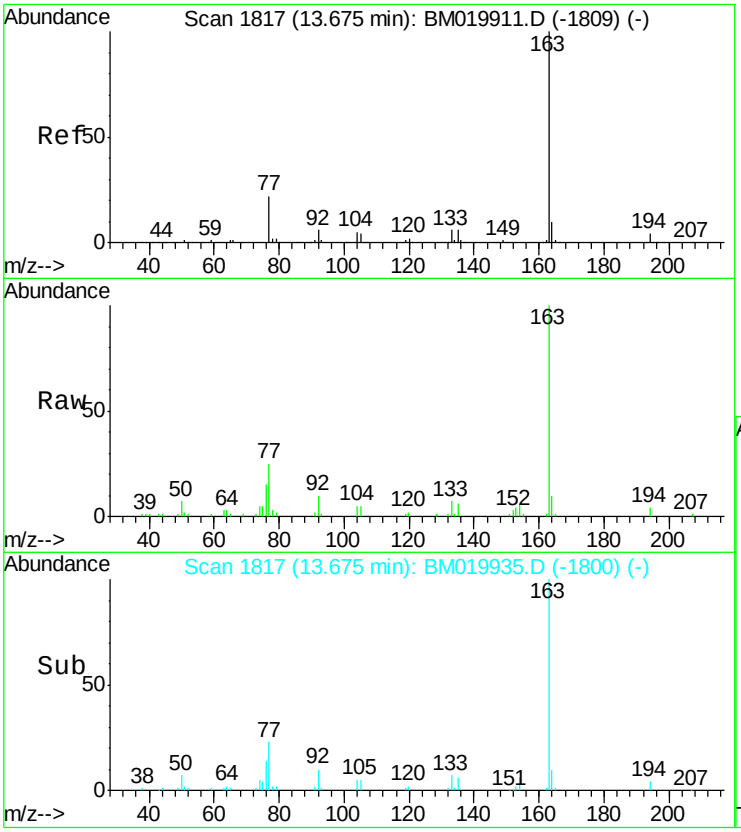


#49
Acenaphthylene
Concen: 3.143 ng
RT: 13.92 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:152 Resp: 104985

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2
153	13.7	10.6	16.0



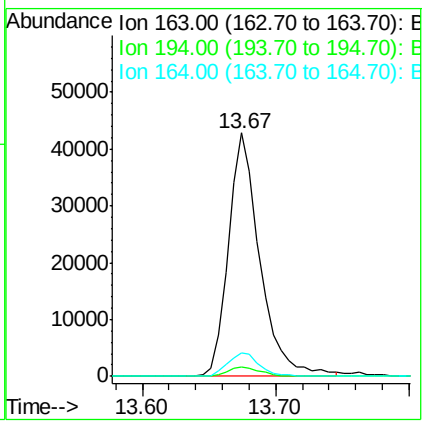


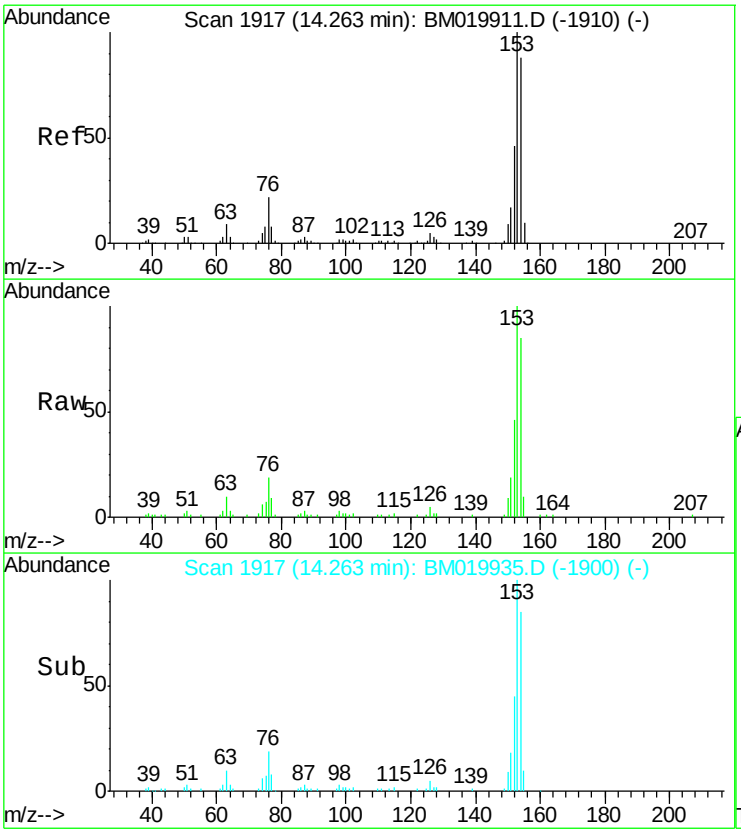
#50
Dimethylphthalate
Concen: 2.745 ng
RT: 13.67 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:163 Resp: 70349

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.7	7.9	11.9

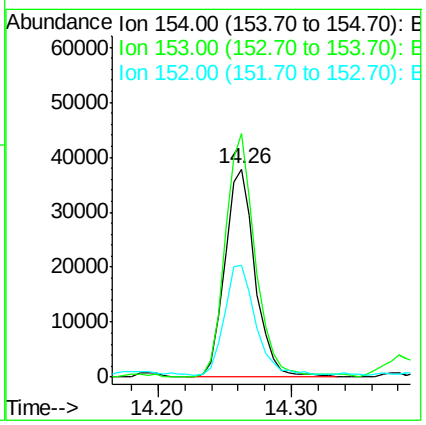


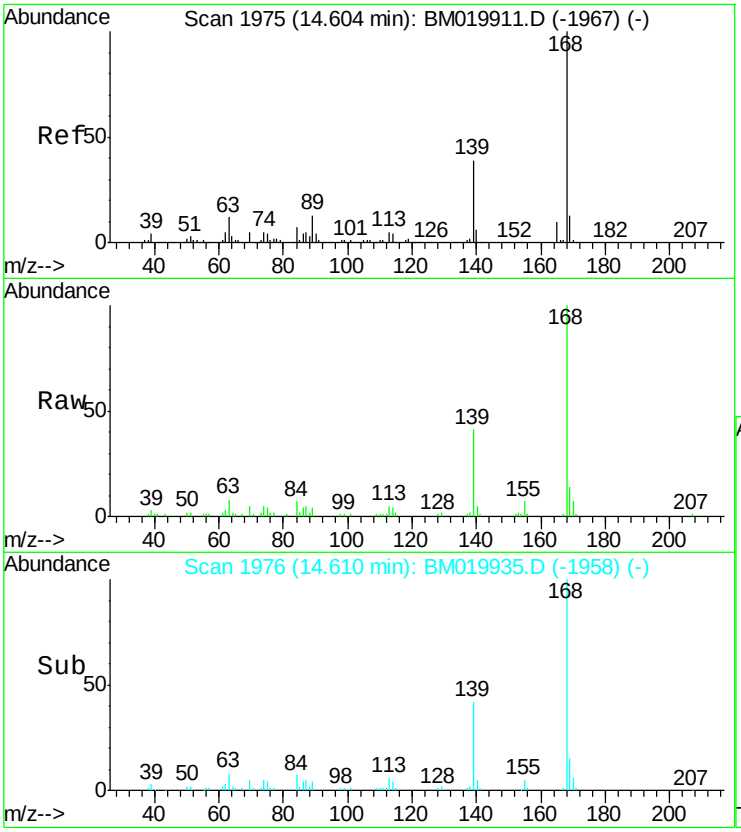


#52
Acenaphthene
Concen: 3.249 ng
RT: 14.26 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:154 Resp: 60164

Ion	Ratio	Lower	Upper
154	100		
153	117.0	91.0	136.4
152	53.6	42.2	63.2



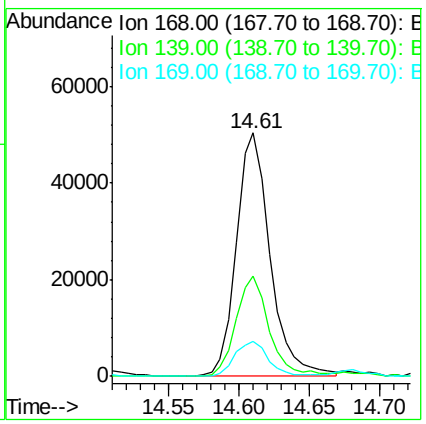


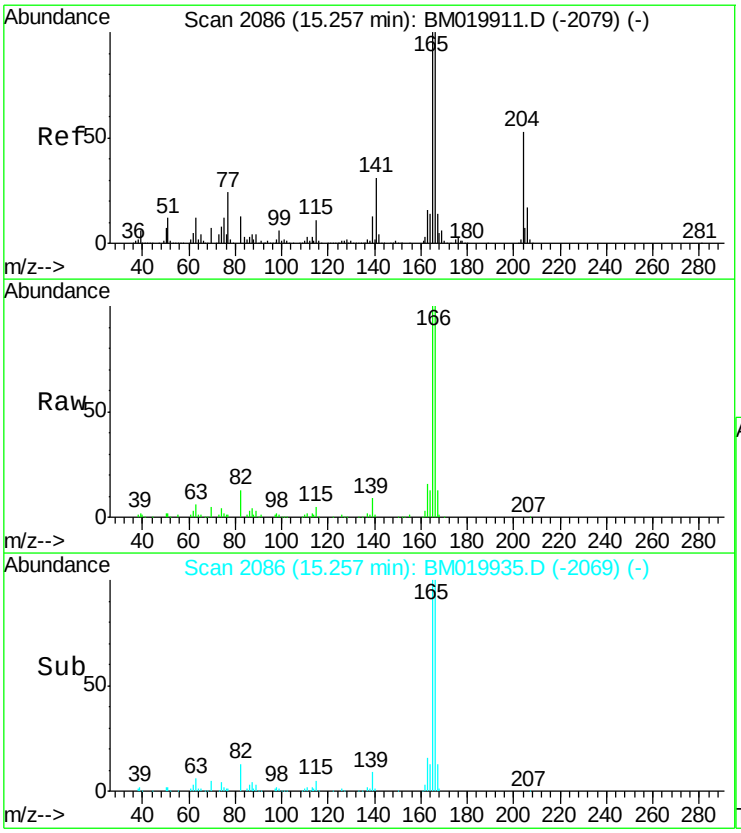
#55
Dibenzofuran
Concen: 2.785 ng
RT: 14.61 min Scan# 1976
Delta R.T. 0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:168 Resp: 84334

Ion	Ratio	Lower	Upper
168	100		
139	41.2	31.5	47.3
169	14.4	10.6	16.0

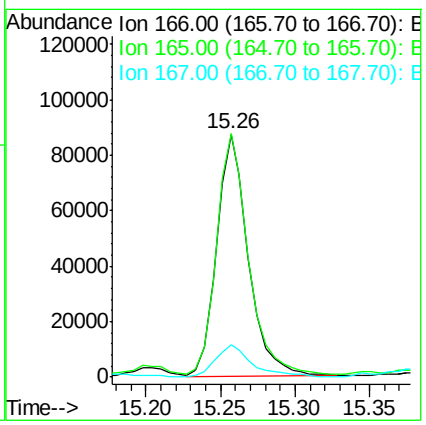


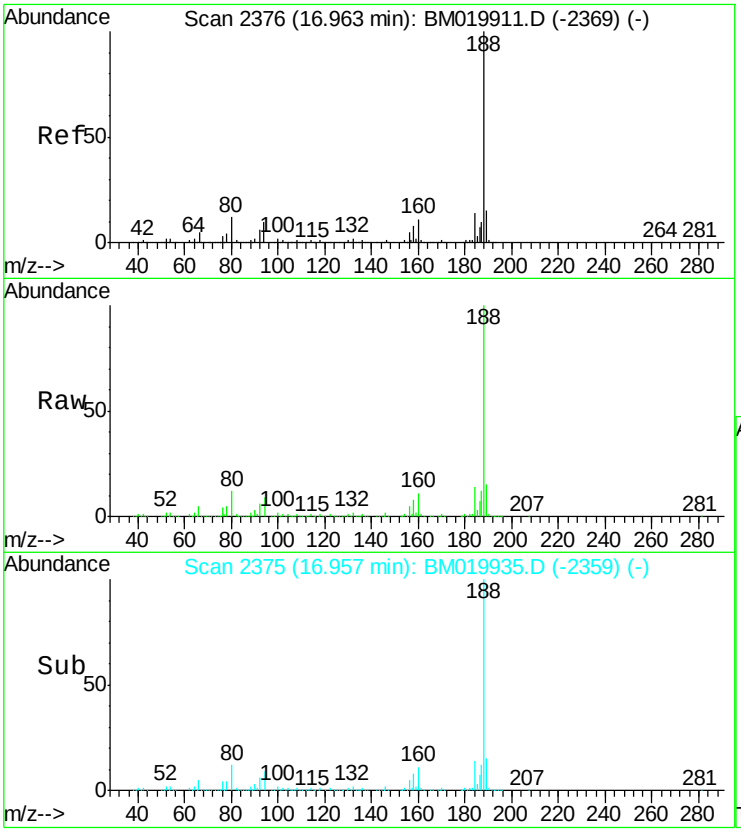


#58
Fluorene
Concen: 5.014 ng
RT: 15.26 min Scan# 2086
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:166 Resp: 128651

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.1	120.1
167	13.5	11.0	16.4



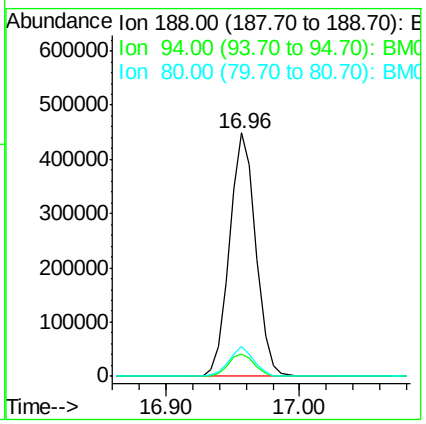


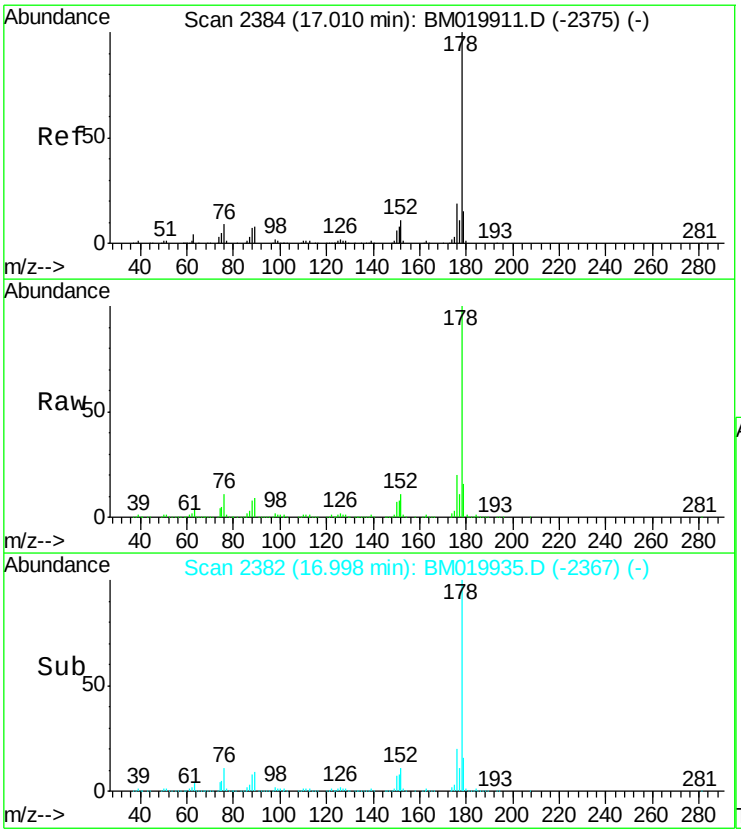
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:188 Resp: 617083

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.6	11.4
80	12.0	9.4	14.0

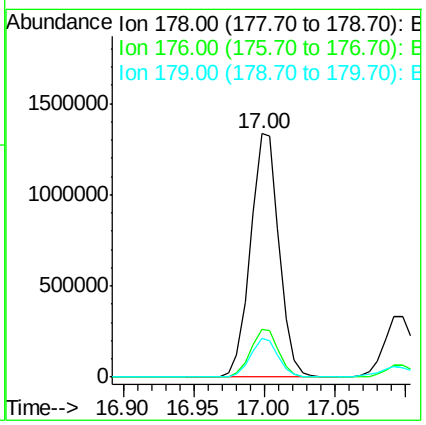


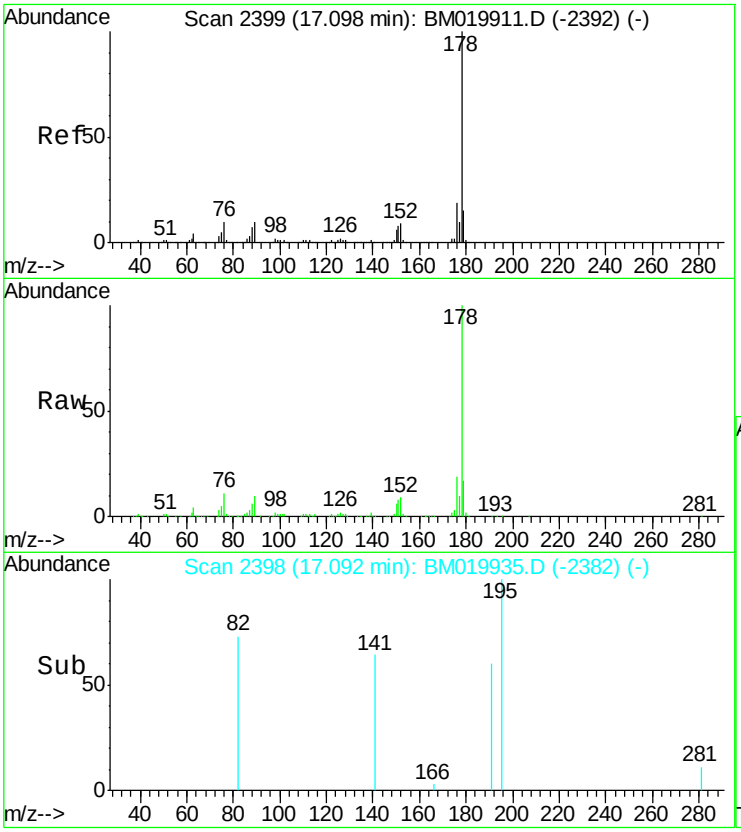


#71
Phenanthrene
Concen: 51.859 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:178 Resp: 1899059

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.2	22.8
179	15.8	12.2	18.4



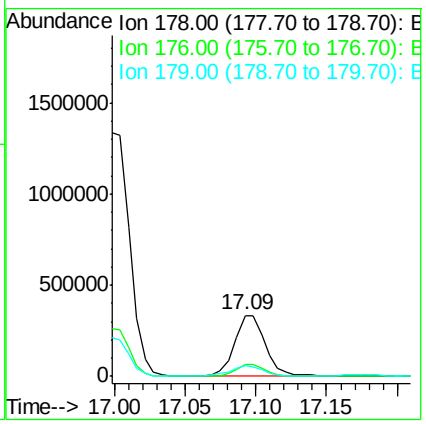


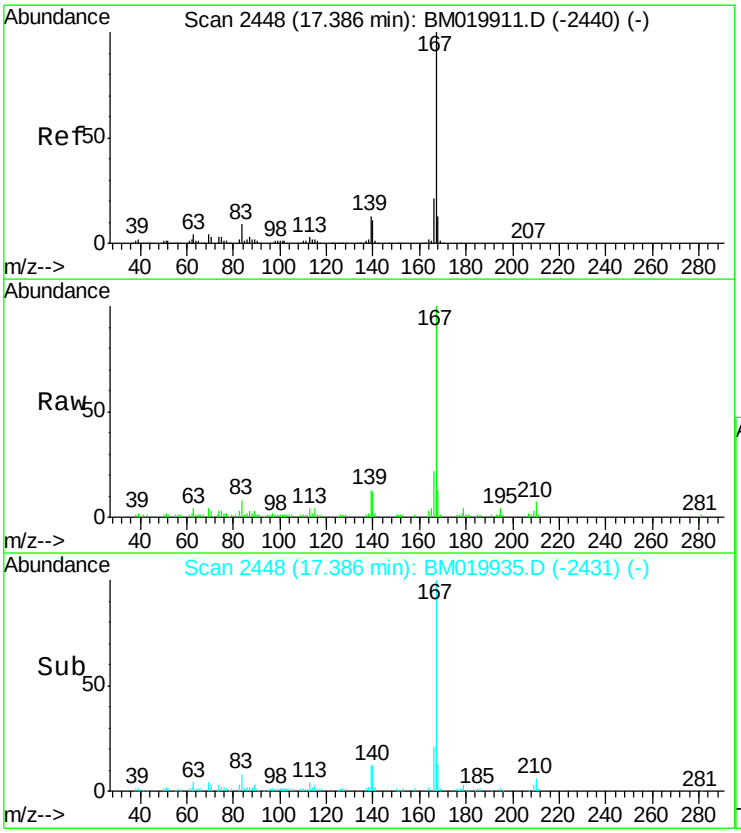
#72
Anthracene
Concen: 13.562 ng
RT: 17.09 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:178 Resp: 494359

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	16.6	12.2	18.4

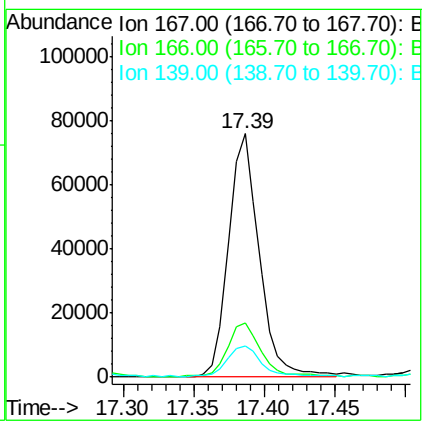


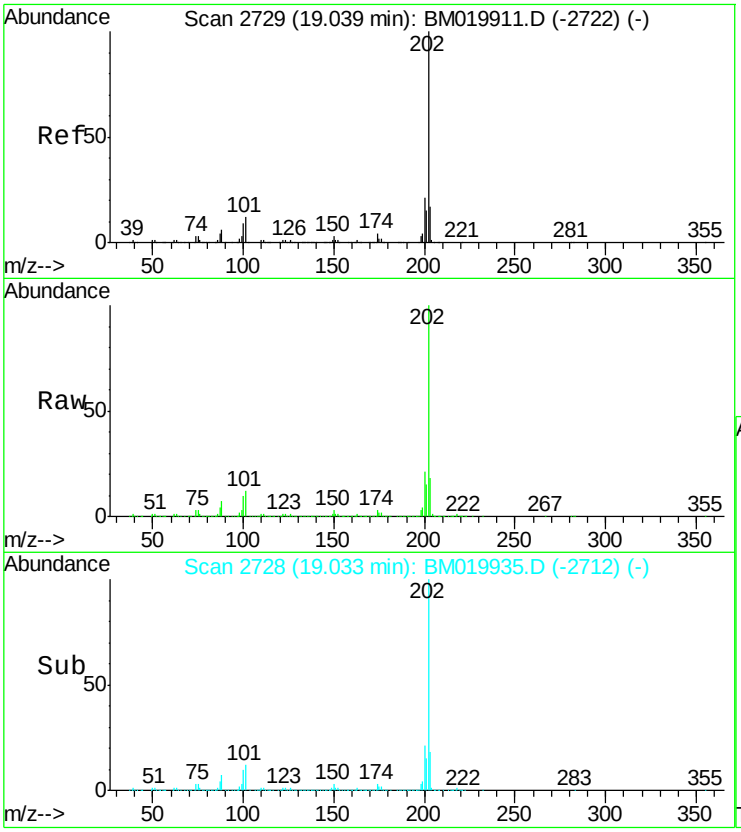


#73
Carbazole
Concen: 3.401 ng
RT: 17.39 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:167 Resp: 115758

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	12.6	10.7	16.1



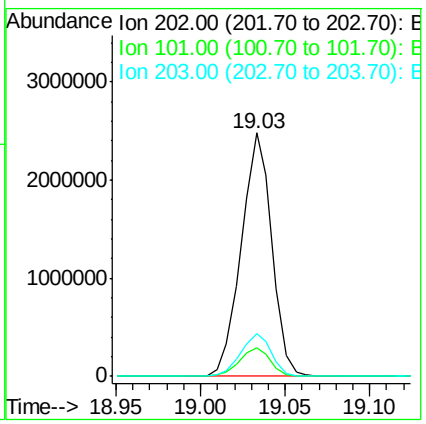


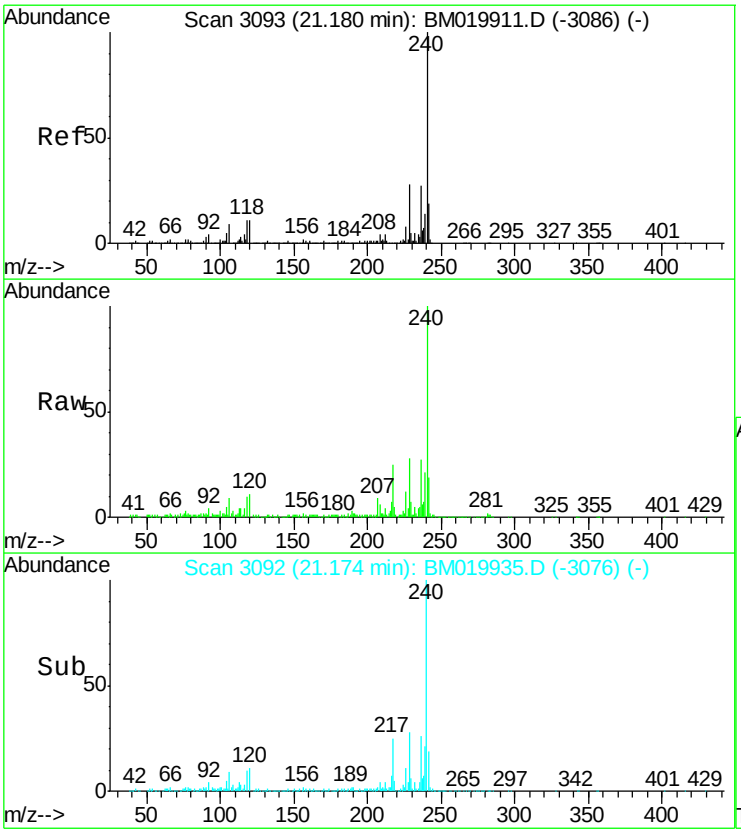
#75
Fluoranthene
Concen: 74.214 ng
RT: 19.03 min Scan# 2728
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:202 Resp: 3127556

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.7	0.0	37.4

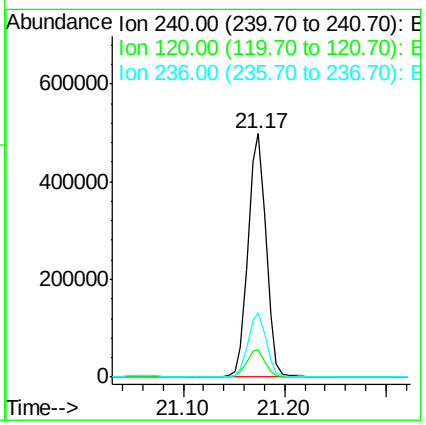


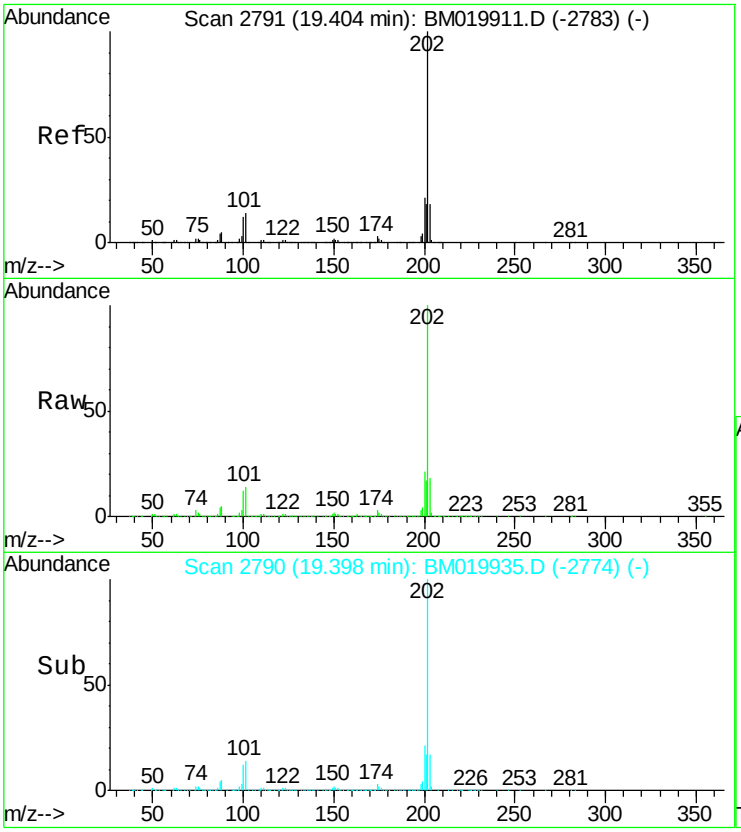


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:240 Resp: 614645

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	26.5	21.4	32.2



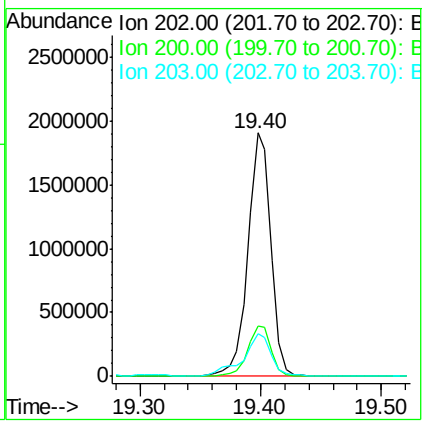


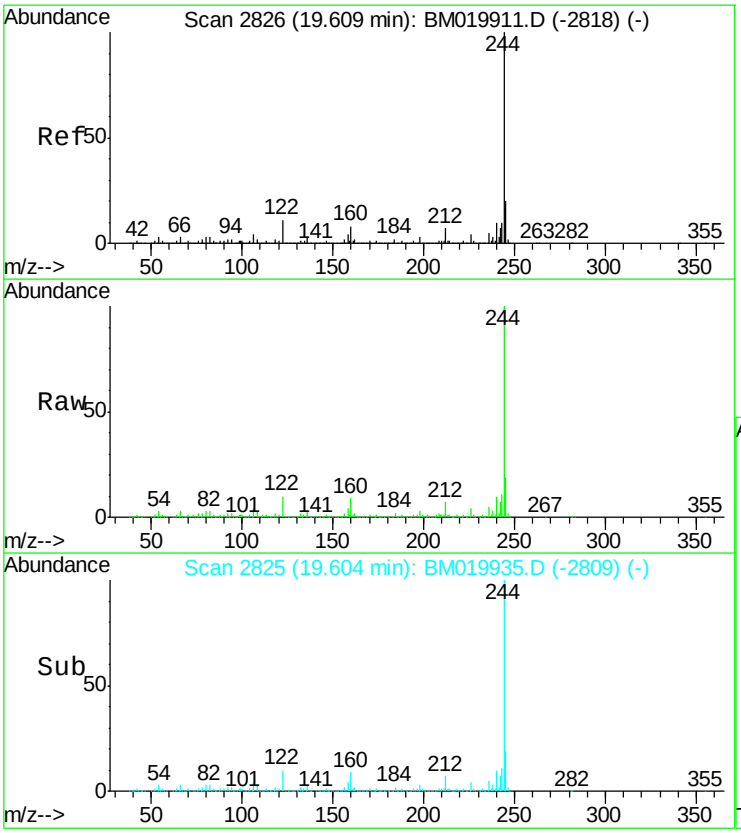
#78
Pyrene
Concen: 62.111 ng
RT: 19.40 min Scan# 2790
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:202 Resp: 2528153

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.6	14.0	21.0

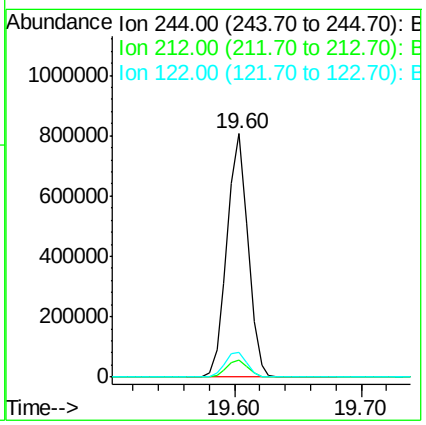


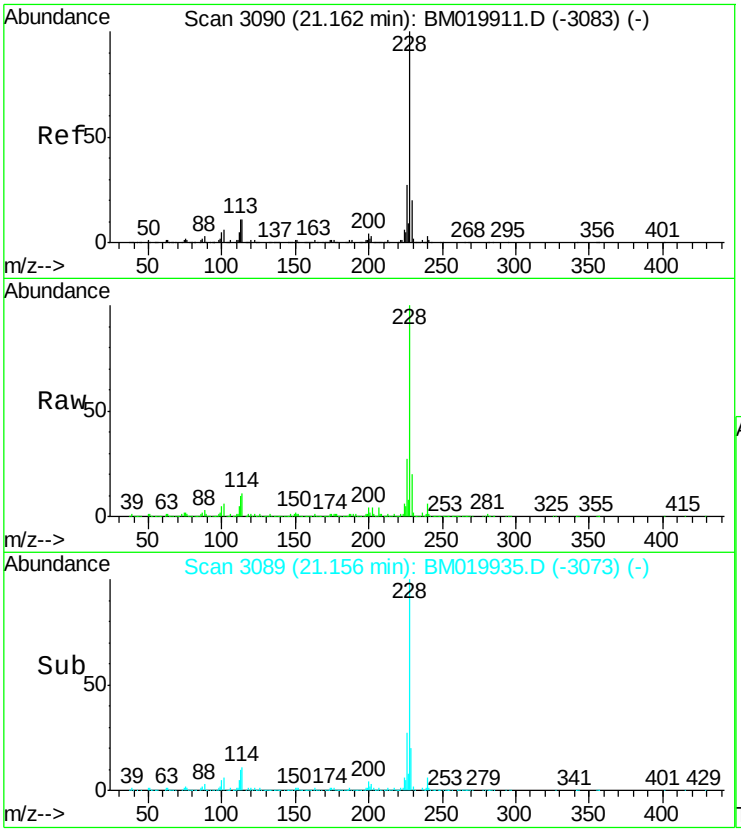


#79
Terphenyl-d14
Concen: 26.499 ng
RT: 19.60 min Scan# 2825
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:244 Resp: 923424

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.3	9.1	13.7



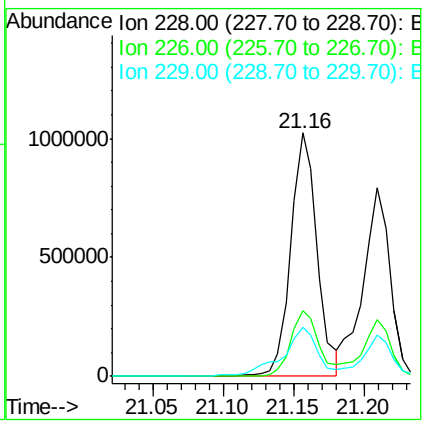


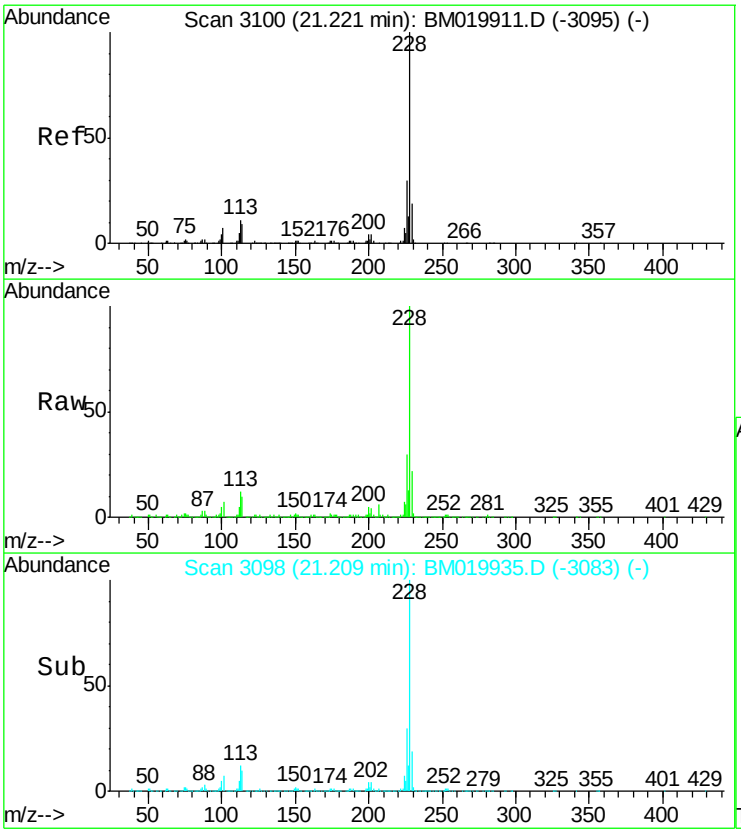
#81
Benzo(a)anthracene
Concen: 33.852 ng
RT: 21.16 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:228 Resp: 1318069

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	20.2	15.9	23.9

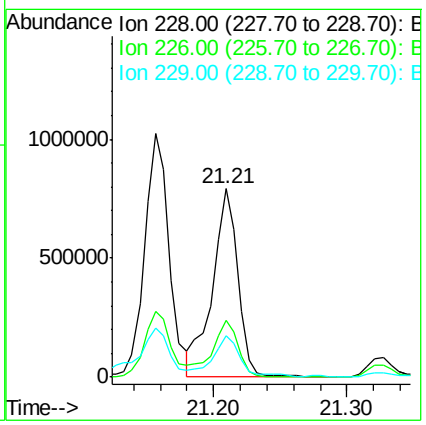


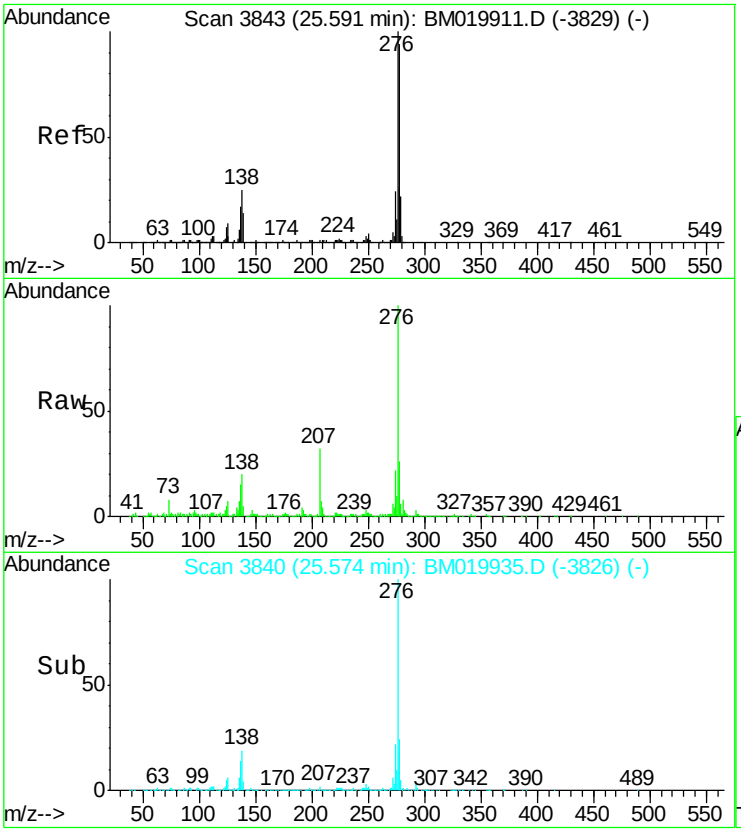


#83
Chrysene
Concen: 28.328 ng
RT: 21.21 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:228 Resp: 1057774

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	22.1	15.6	23.4



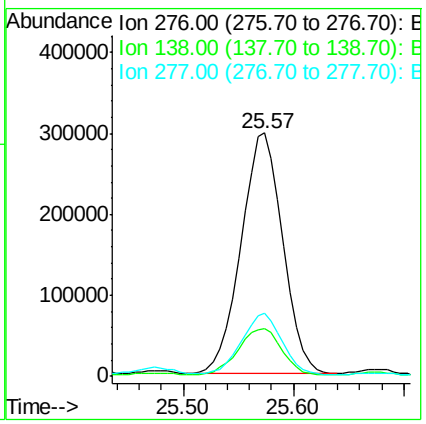


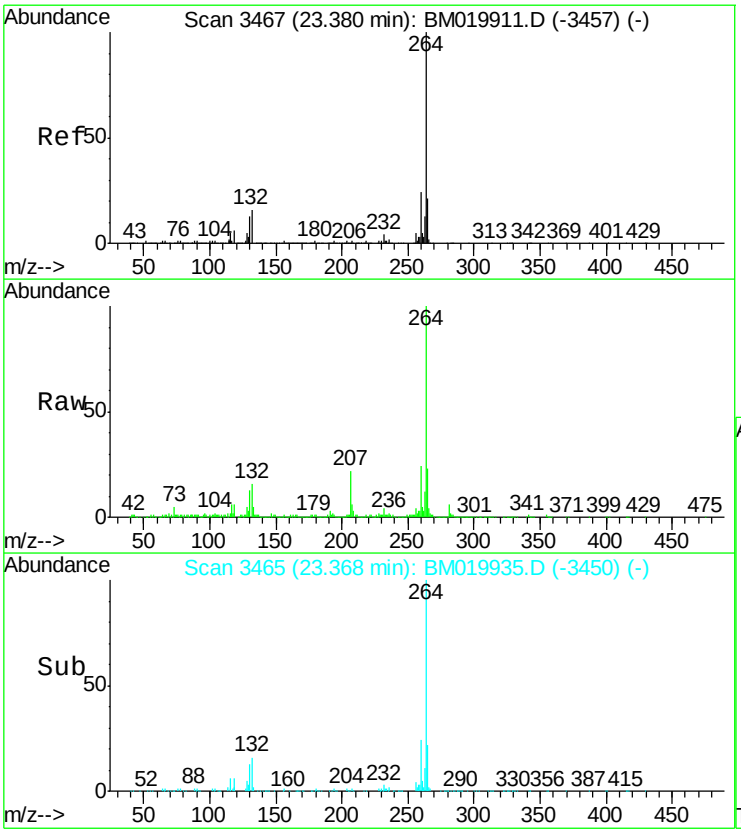
#86
Indeno(1,2,3-cd)pyrene
Concen: 21.389 ng
RT: 25.57 min Scan# 3840
Delta R.T. -0.02 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:276 Resp: 785659

Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.0	28.6
277	24.6	20.3	30.5

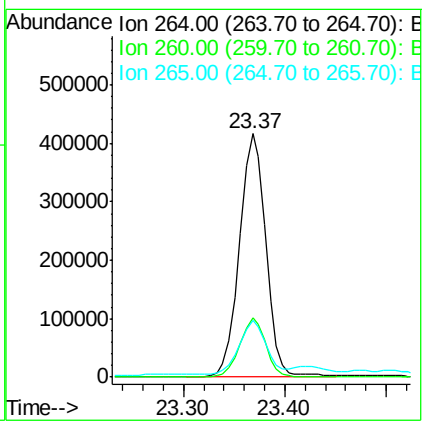


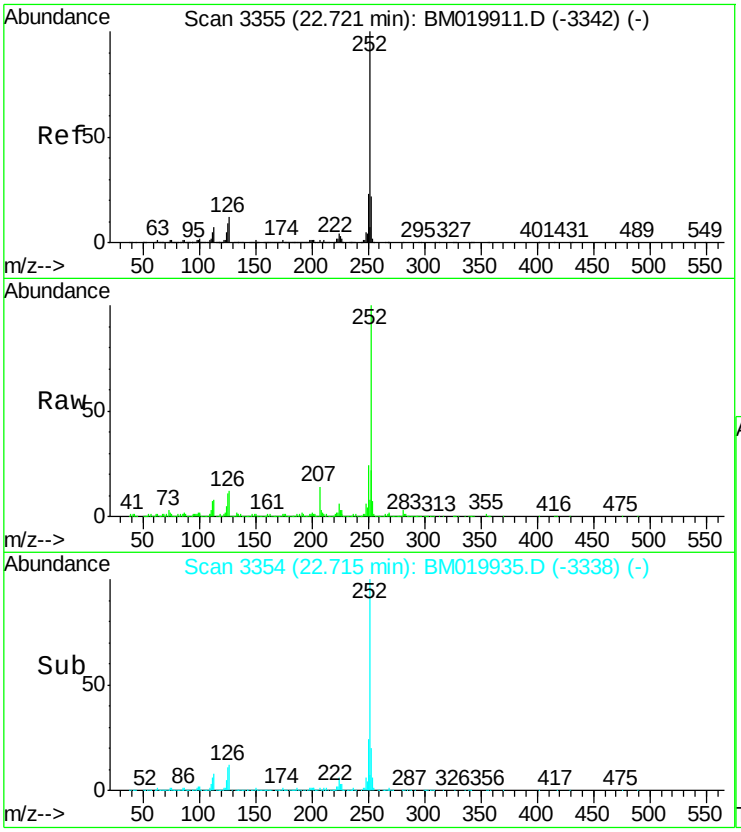


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:264 Resp: 748680

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.4	17.2	25.8



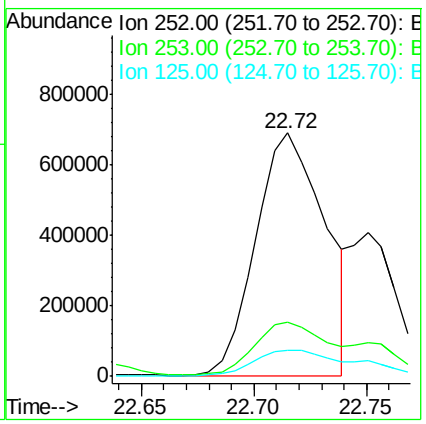


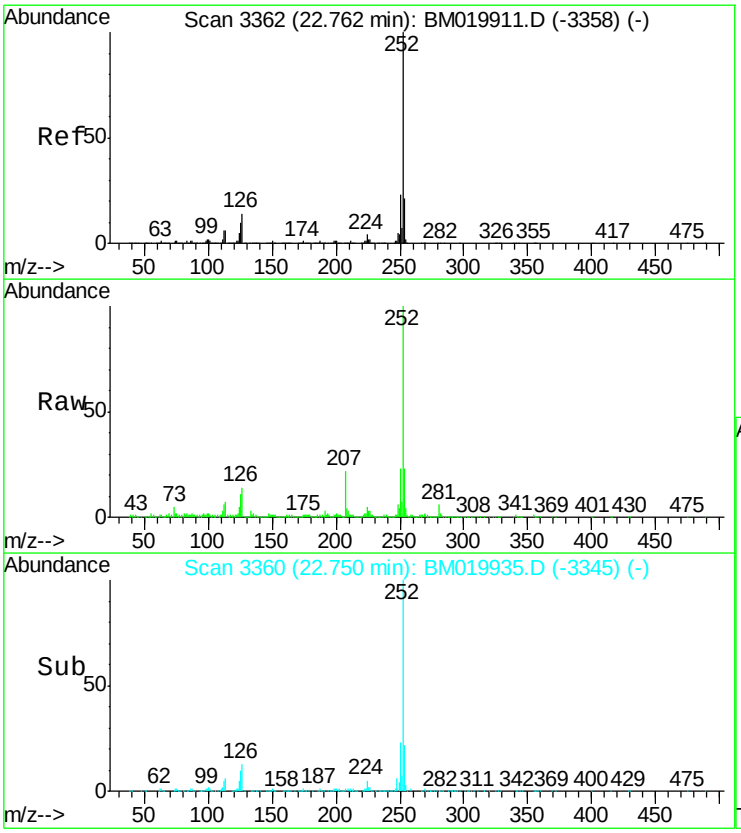
#88
Benzo(b)fluoranthene
Concen: 29.740 ng m
RT: 22.72 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:252 Resp: 1478469

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.8	7.6	11.4

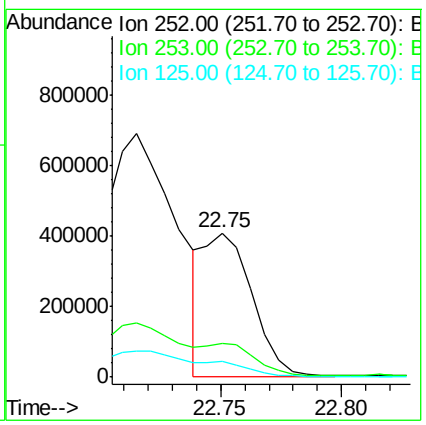


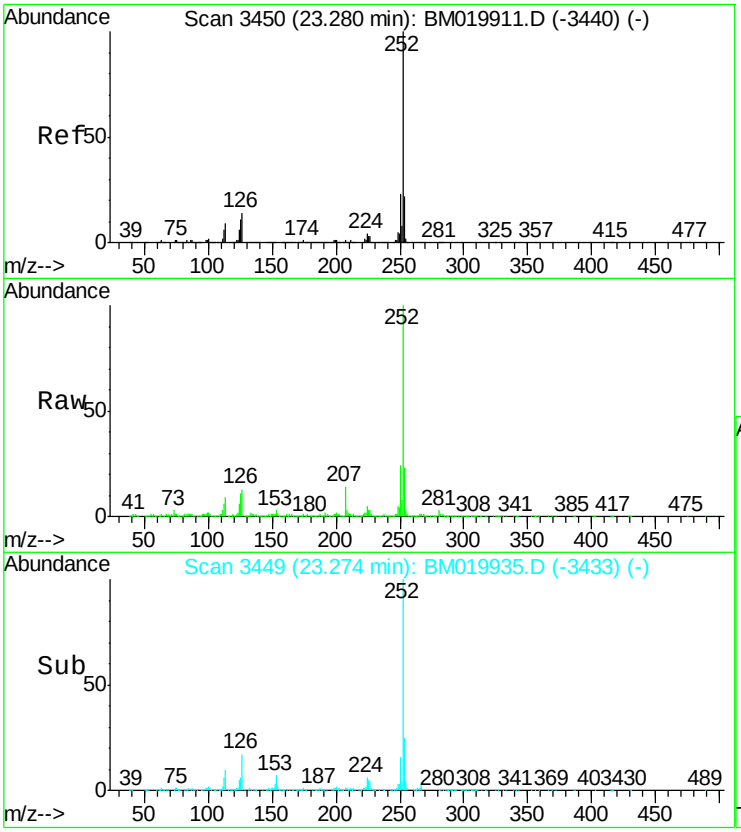


#89
Benzo(k)fluoranthene
Concen: 12.076 ng m
RT: 22.75 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:252 Resp: 565191

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	10.7	8.2	12.4



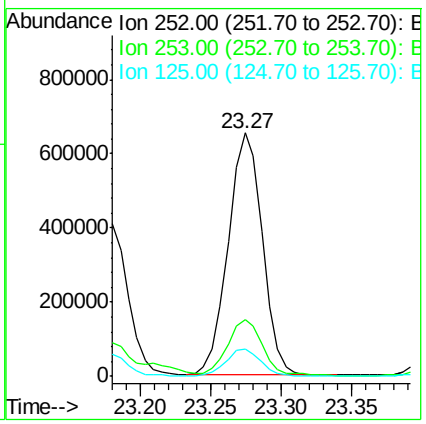


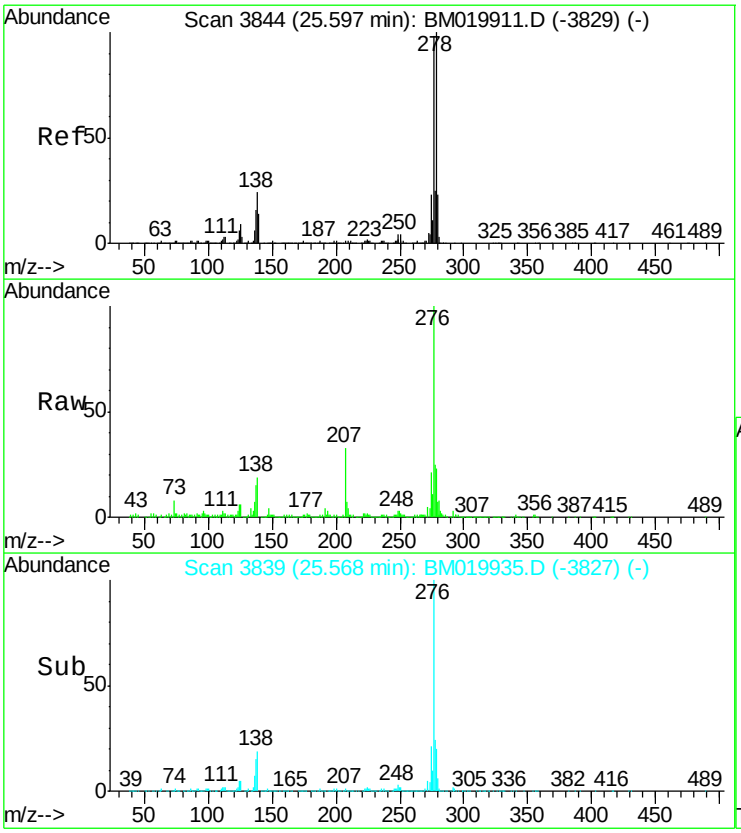
#90
Benzo(a)pyrene
Concen: 25.056 ng
RT: 23.27 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:252 Resp: 1103688

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.2	9.1	13.7

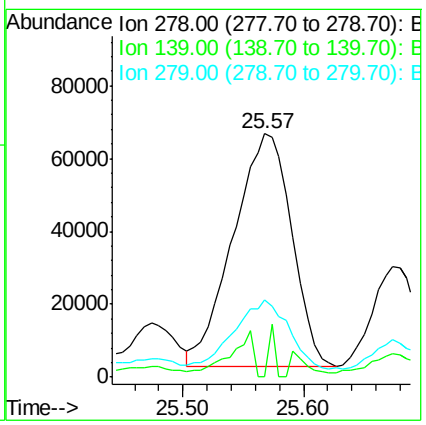


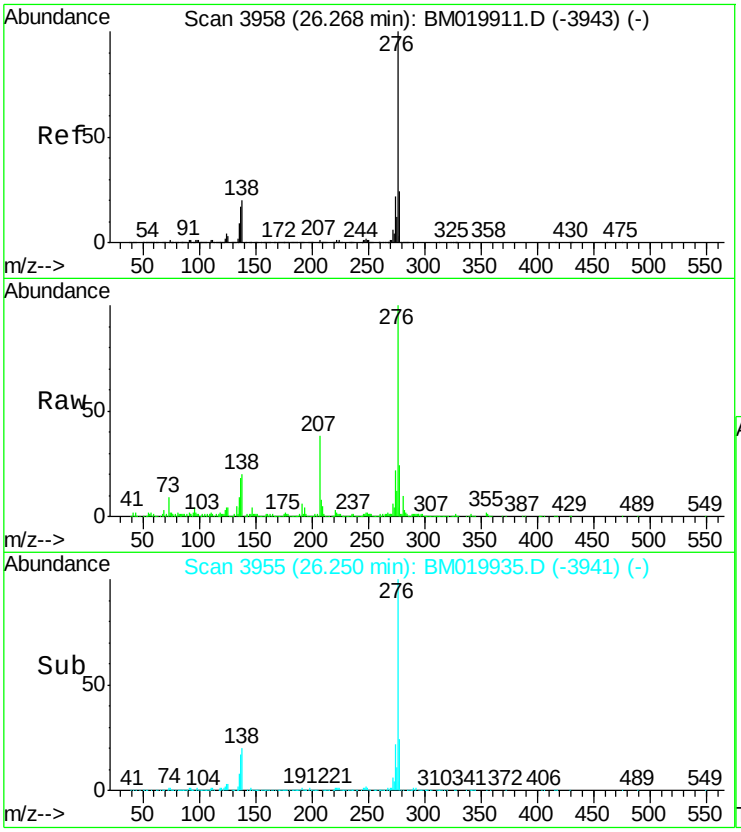


#91
Dibenzo(a,h)anthracene
Concen: 5.073 ng
RT: 25.57 min Scan# 3839
Delta R.T. -0.03 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Tgt Ion:278 Resp: 215435

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	31.5	18.4	27.6#





#92
Benzo(g,h,i)perylene
Concen: 18.990 ng
RT: 26.25 min Scan# 3955
Delta R.T. -0.02 min
Lab File: BM019935.D
Acq: 17 Apr 2019 13:09

Instrument :
BNA_M
ClientSampleId :
OR-02-041219-BDL

Tgt Ion:276 Resp: 730462

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	20.3	16.2	24.4