Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\
Data File : BM020598.D
Acq On : 29 May 2019 14:19
Operator : JU/SJ
Sample : K3004-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CHRT-26835

Quant Time: May 29 14:56:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 14:38:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	42653	20.00	ng		0.00
21) Naphthalene-d8	10.42	136	172260	20.00	ng		0.00
39) Acenaphthene-d10	14.29	164	123719	20.00	ng		0.00
64) Phenanthrene-d10	17.05	188	338058	20.00	ng		0.00
76) Chrysene-d12	21.24	240	407904	20.00	ng		0.00
87) Perylene-d12	23.47	264	467602	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	38049	17.50	ng		0.00
7) Phenol-d6	6.81	99	40168	12.24	ng		0.00
23) Nitrobenzene-d5	8.81	82	23622	5.76	ng		0.01
42) 2,4,6-Tribromophenol	15.79	330	39189	15.81	ng		0.00
45) 2-Fluorobiphenyl	12.90	172	105017	10.65	ng		0.00
79) Terphenyl-d14	19.67	244	240998	10.68	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.46	128	306154	34.421	ng		98
32) Benzoic acid	9.73	122	2715	11.495	ng	#	69
37) 2-Methylnaphthalene	12.09	142	213055	31.355	ng		99
38) 1-Methylnaphthalene	12.30	142	171620	26.068	ng		97
46) 1,1'-Biphenyl	13.12	154	42709	4.482	ng		98
48) 2-Nitroaniline	13.45	65	1668	6.006	ng	#	14
49) Acenaphthylene	14.01	152	194478	15.832	ng		97
52) Acenaphthene	14.35	154	259524	35.060	ng		97
55) Dibenzofuran	14.69	168	299224	23.360	ng		98
56) 4-Nitrophenol	14.58	139	971	9.625	ng	#	1
58) Fluorene	15.34	166	522097	49.066	ng		100
62) 4-Nitroaniline	15.34	138	6301	3.282	ng	#	1
71) Phenanthrene	17.09	178	4241934	230.978	ng		99
72) Anthracene	17.18	178	1153553	64.770	ng		100
73) Carbazole	17.46	167	148403	9.709	ng	#	93
75) Fluoranthene	19.12	202	6161208	241.251	ng		99
78) Pyrene	19.49	202	5201049	203.099	ng		99
81) Benzo(a)anthracene	21.23	228	2578254	91.326	ng		96
83) Chrysene	21.29	228	2045850	74.996	ng		97
86) Indeno(1,2,3-cd)pyrene	25.73	276	1351889	40.986	ng		96
88) Benzo(b)fluoranthene	22.81	252	3765739	123.042	ng		98
89) Benzo(k)fluoranthene	22.81	252	3770982	126.954	ng		98
90) Benzo(a)pyrene	23.38	252	2230655	79.204	ng		99
91) Dibenzo(a,h)anthracene	25.73	278	324175	11.245	ng	#	87
92) Benzo(g,h,i)perylene	26.42	276	1313109	49.136	ng		99

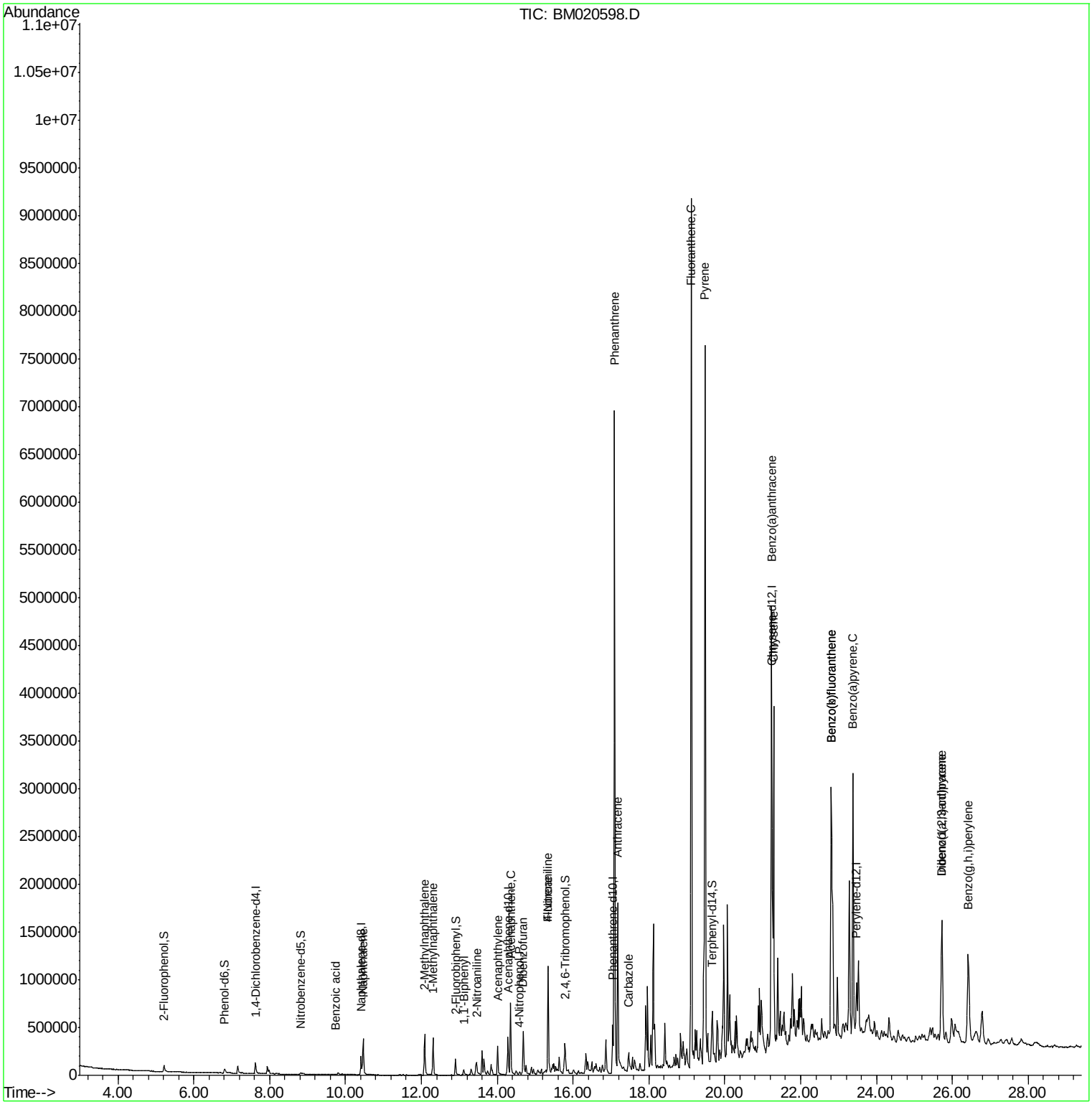
(#) = qualifier out of range (m) = manual integration (+) = signals summed

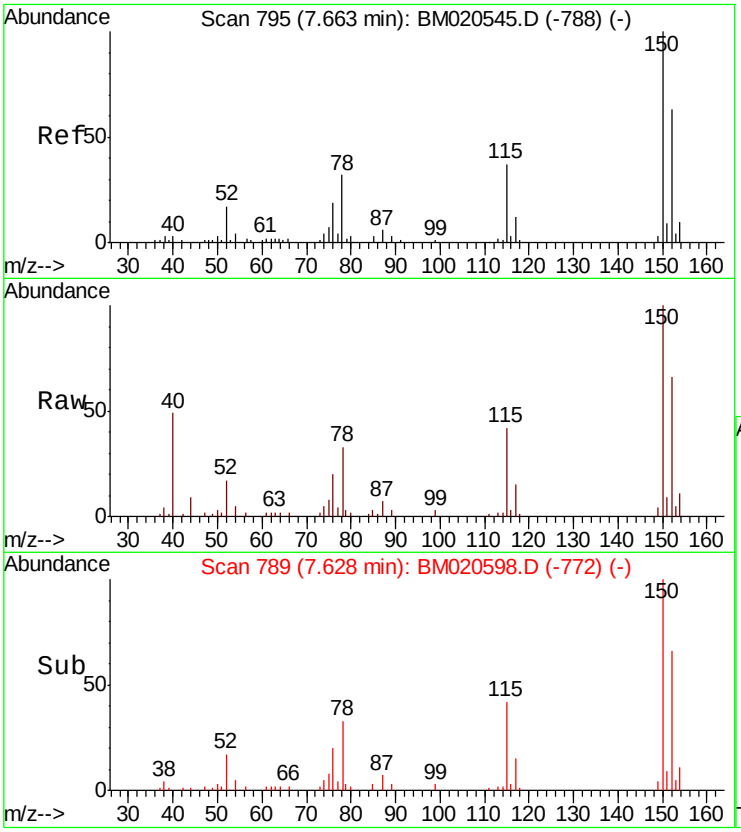
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053019\
Data File : BM020598.D
Acq On : 29 May 2019 14:19
Operator : JU/SJ
Sample : K3004-01 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Quant Time: May 29 14:56:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 14:38:47 2019
Response via : Initial Calibration



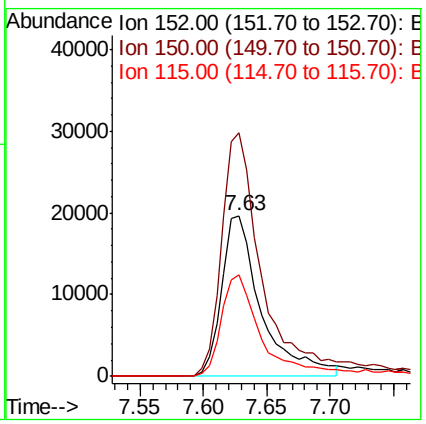


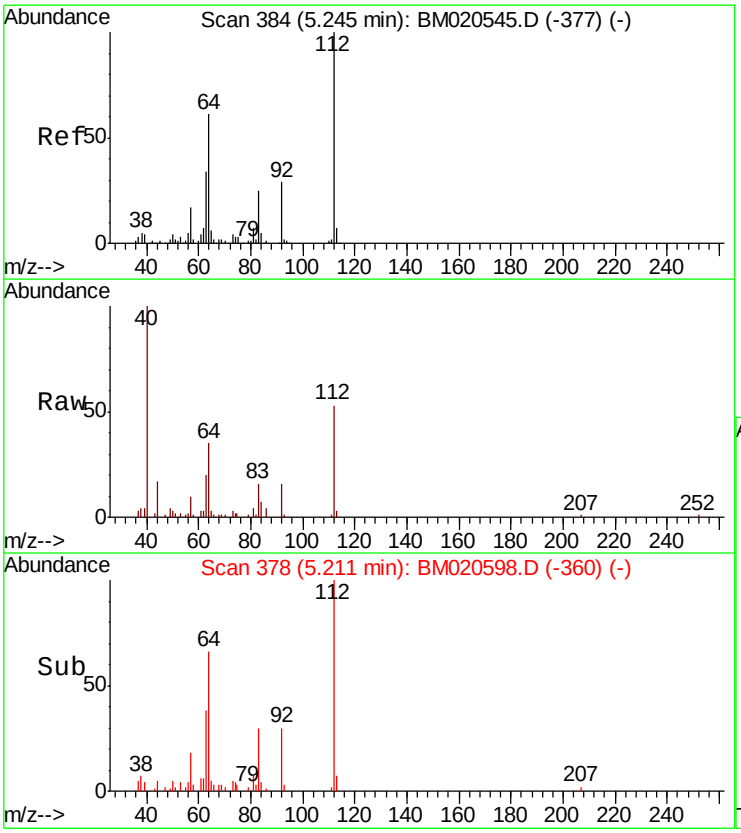
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:152 Resp: 42653

Ion	Ratio	Lower	Upper
152	100		
150	151.8	118.5	177.7
115	63.1	45.3	67.9

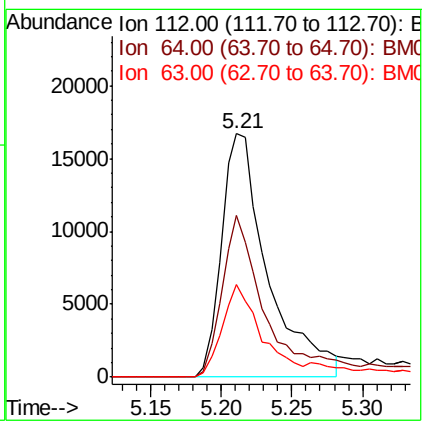


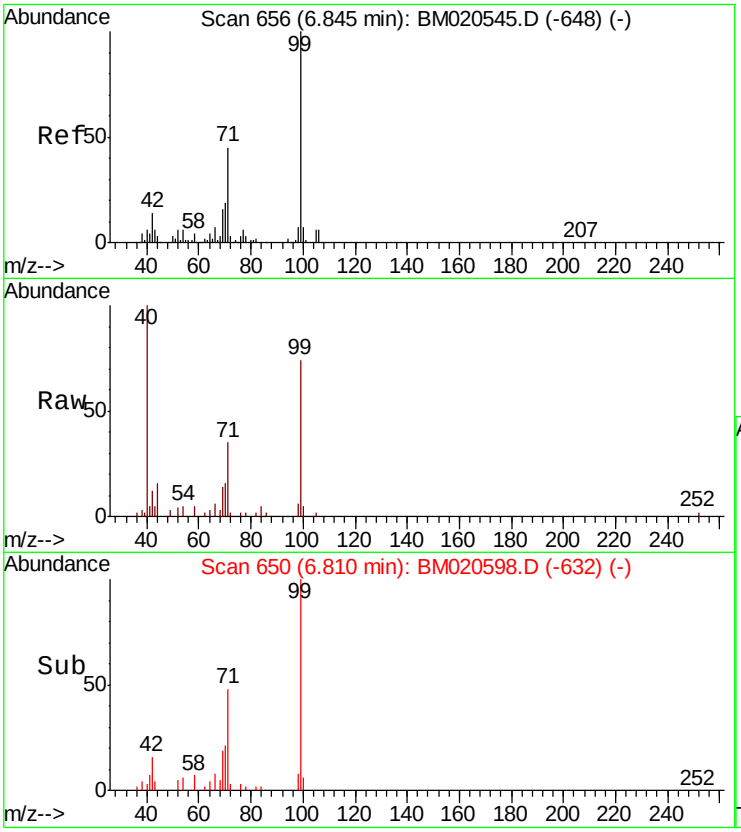


#5
2-Fluorophenol
Concen: 17.501 ng
RT: 5.21 min Scan# 378
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:112 Resp: 38049

Ion	Ratio	Lower	Upper
112	100		
64	66.3	49.2	73.8
63	37.8	28.0	42.0



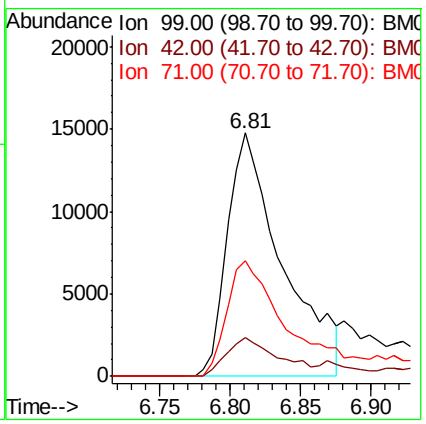


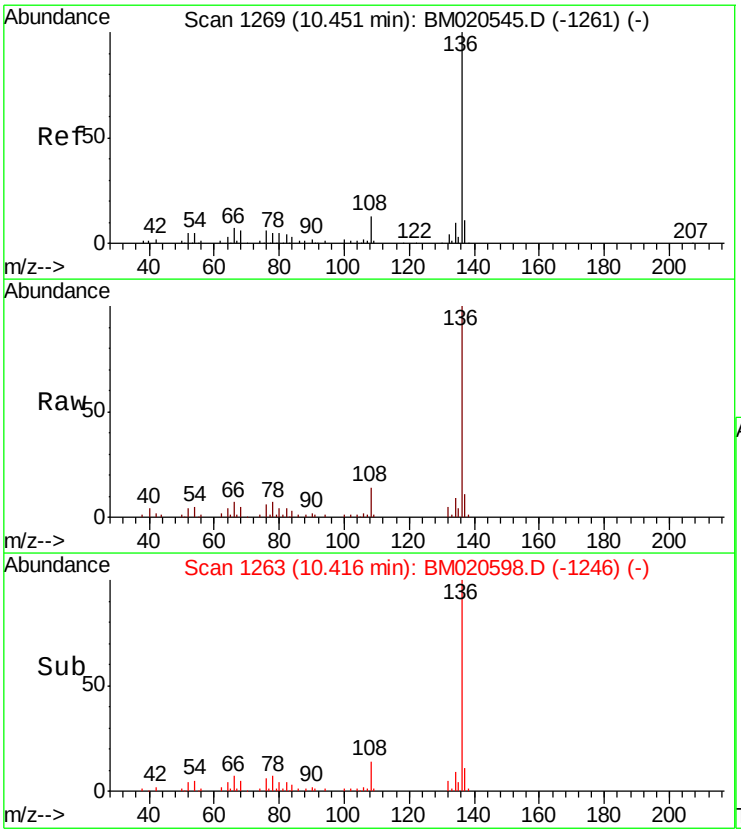
#7
Phenol-d6
Concen: 12.241 ng
RT: 6.81 min Scan# 650
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion: 99 Resp: 40168

Ion	Ratio	Lower	Upper
99	100		
42	16.1	11.4	17.2
71	47.7	38.3	57.5

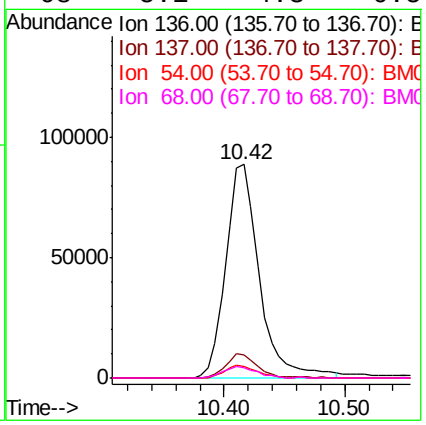


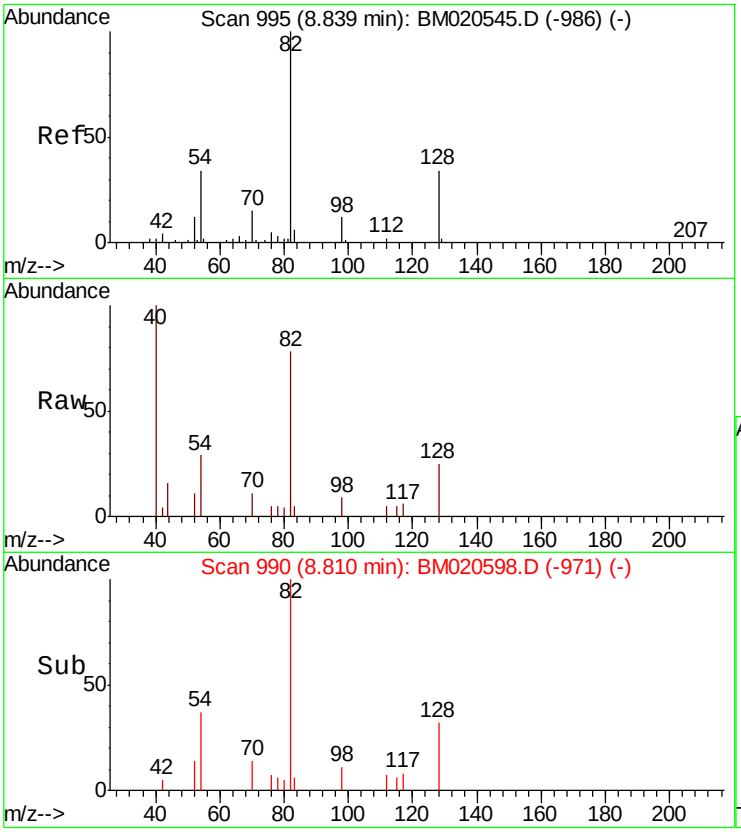


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.42 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:136 Resp: 172260

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	5.2	3.8	5.6
68	5.1	4.3	6.5



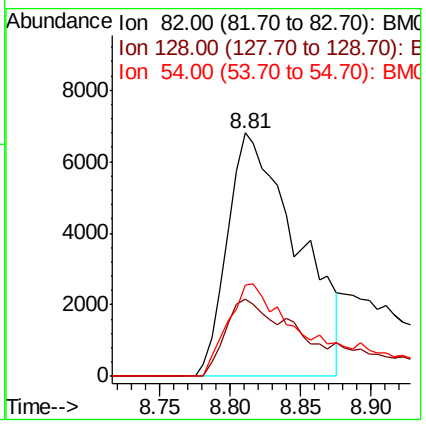


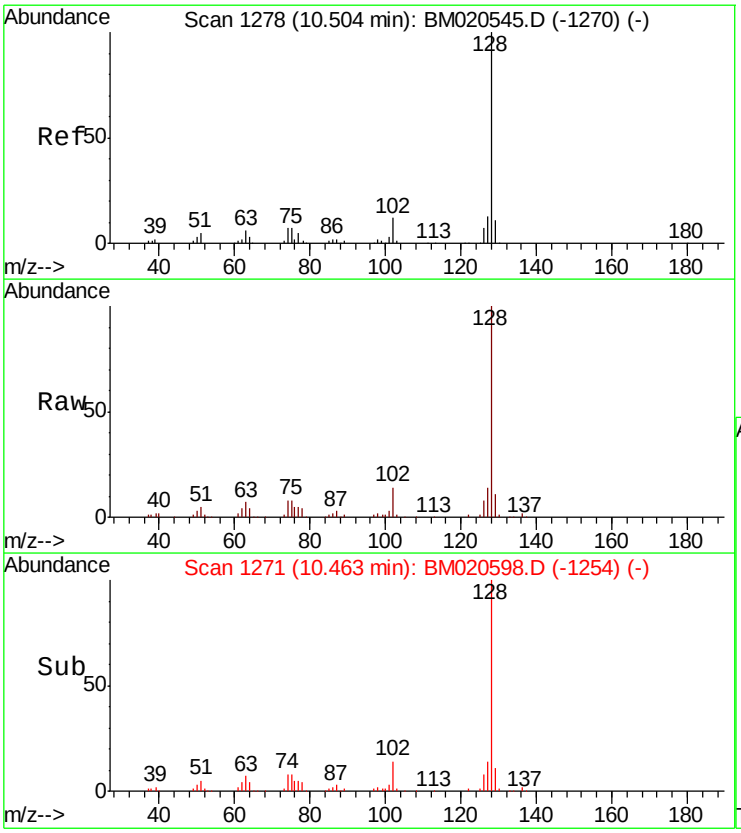
#23
Nitrobenzene-d5
Concen: 5.756 ng
RT: 8.81 min Scan# 990
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion: 82 Resp: 23622

Ion	Ratio	Lower	Upper
82	100		
128	31.5	25.4	38.2
54	37.4	28.0	42.0

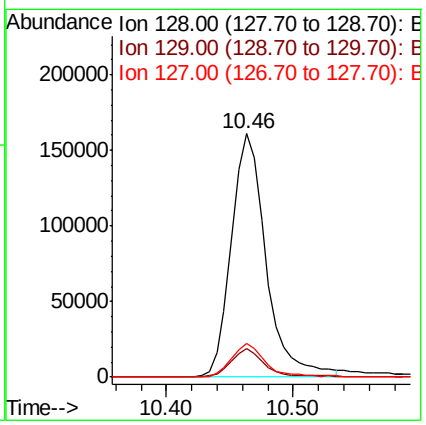


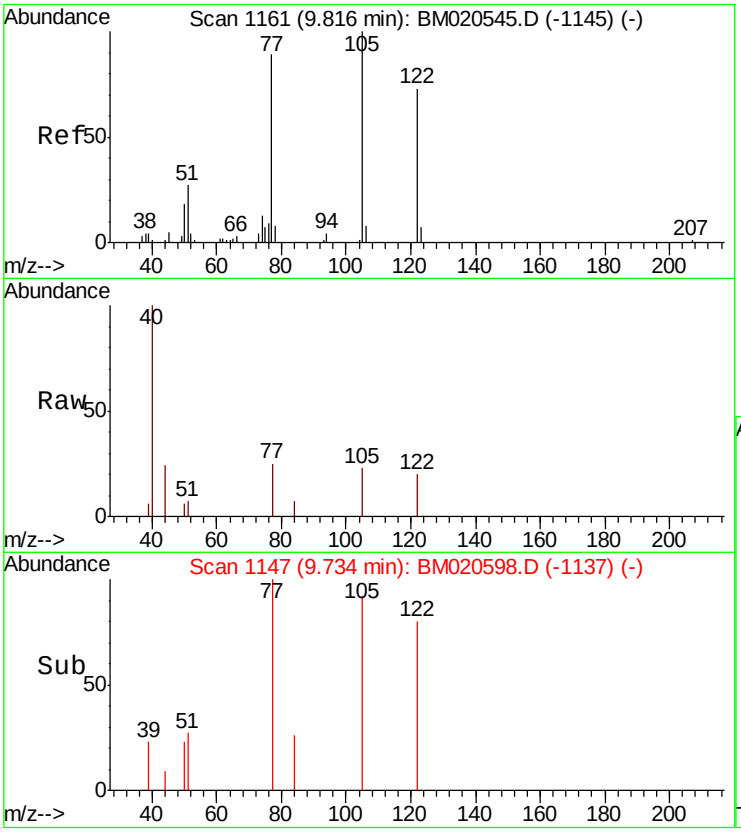


#31
Naphthalene
Concen: 34.421 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:128 Resp: 306154

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.9	10.3	15.5



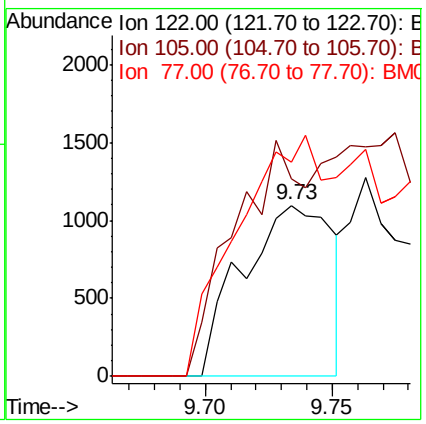


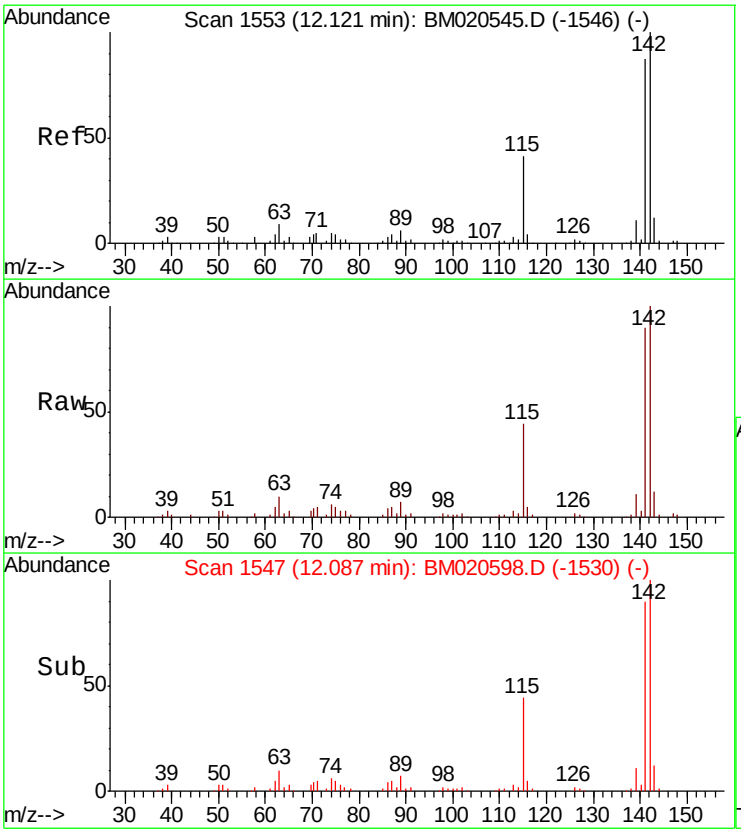
#32
Benzoic acid
Concen: 11.495 ng
RT: 9.73 min Scan# 1147
Delta R.T. -0.04 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:122 Resp: 2715

Ion	Ratio	Lower	Upper
122	100		
105	115.4	65.3	105.3#
77	125.5	77.3	117.3#

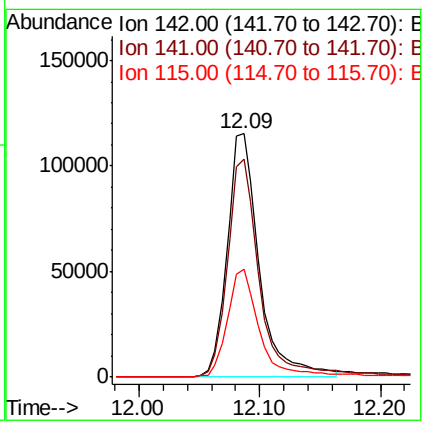


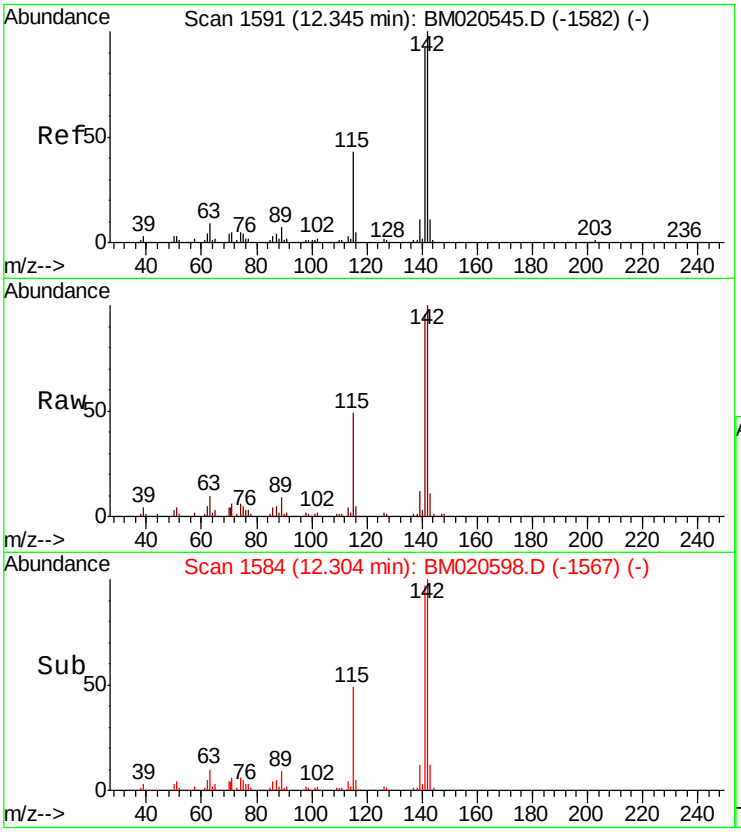


#37
2-Methylnaphthalene
Concen: 31.355 ng
RT: 12.09 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:142 Resp: 213055

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.7	107.5
115	44.4	34.9	52.3



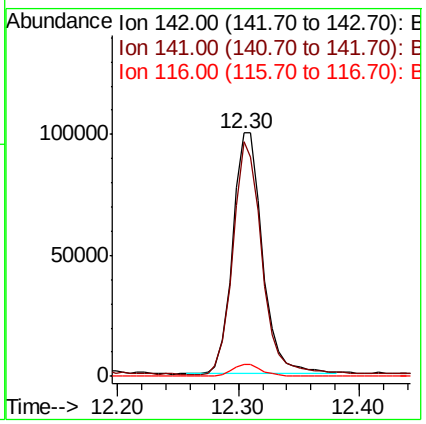


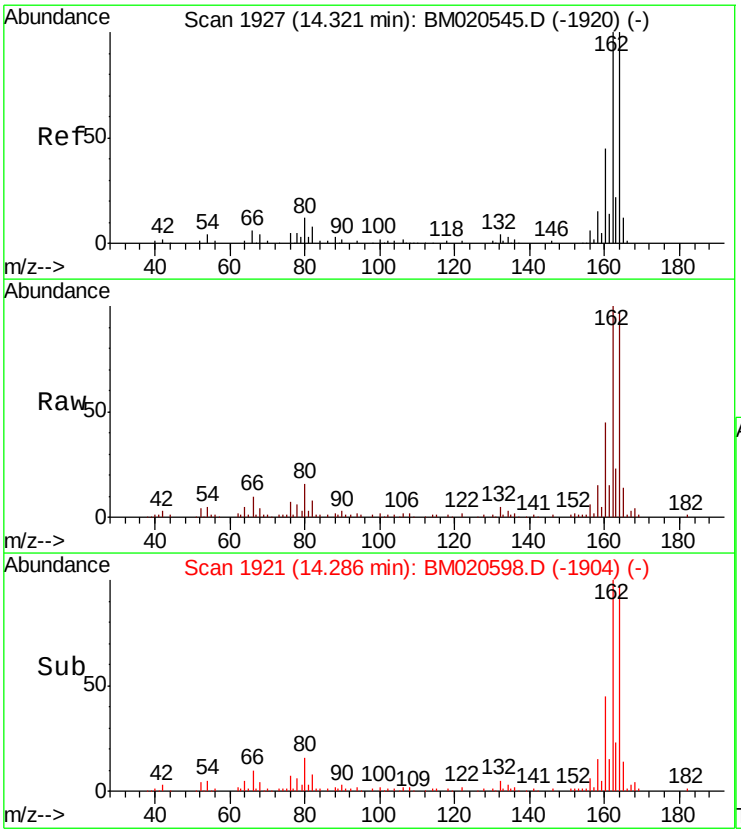
#38
1-Methylnaphthalene
Concen: 26.068 ng
RT: 12.30 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:142 Resp: 171620

Ion	Ratio	Lower	Upper
142	100		
141	96.5	74.5	111.7
116	5.0	3.8	5.6

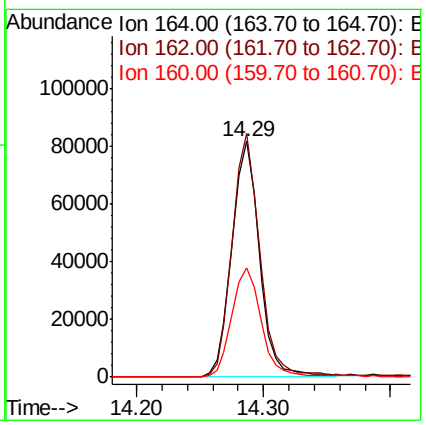


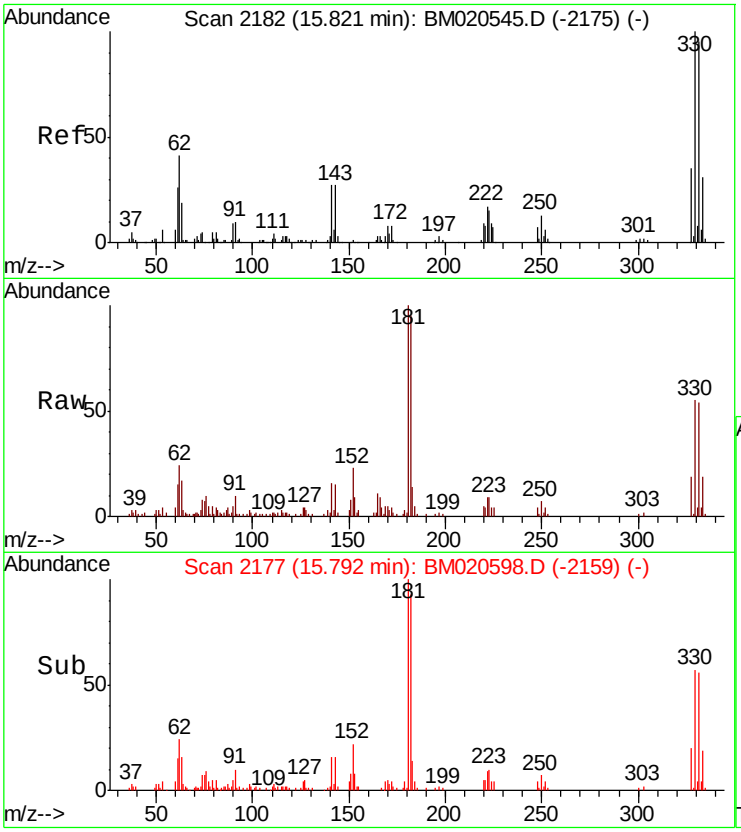


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:164 Resp: 123719

Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.0	129.0
160	46.4	37.5	56.3



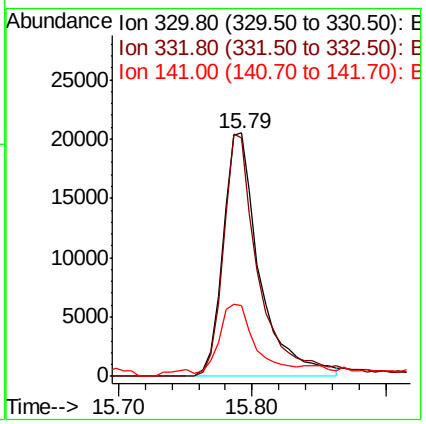


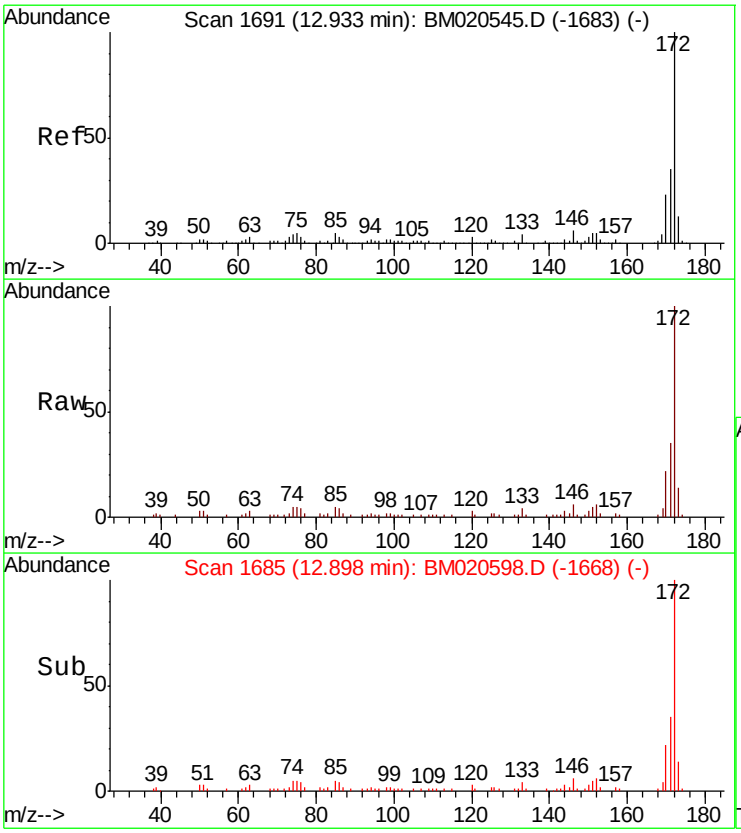
#42
2,4,6-Tribromophenol
Concen: 15.811 ng
RT: 15.79 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:330 Resp: 39189

Ion	Ratio	Lower	Upper
330	100		
332	94.4	78.2	117.2
141	27.3	22.3	33.5

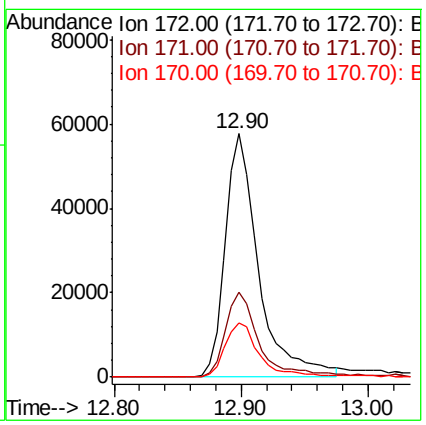


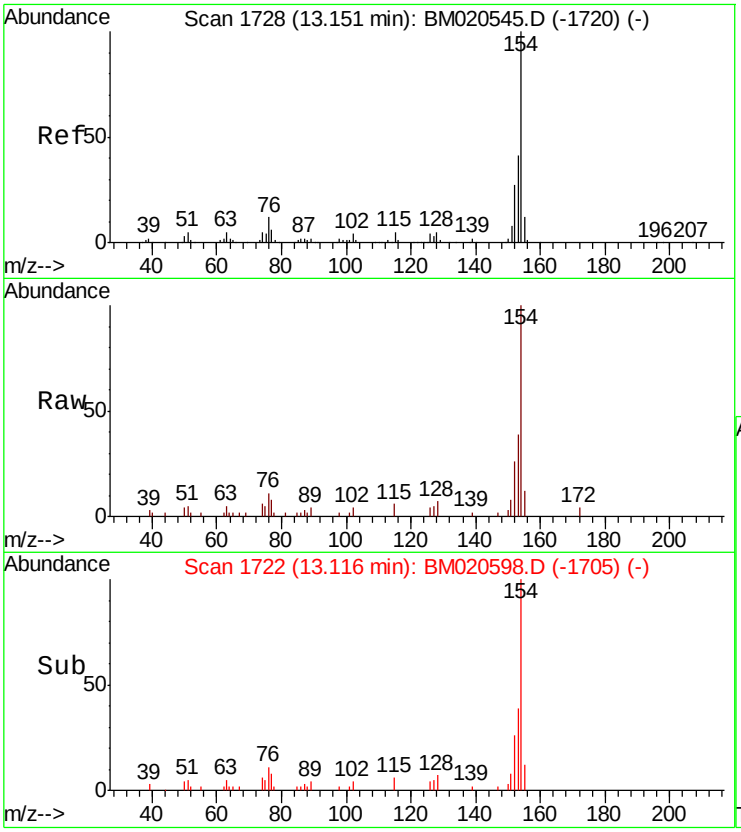


#45
2-Fluorobiphenyl
Concen: 10.651 ng
RT: 12.90 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:172 Resp: 105017

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.9	41.9
170	22.2	18.4	27.6



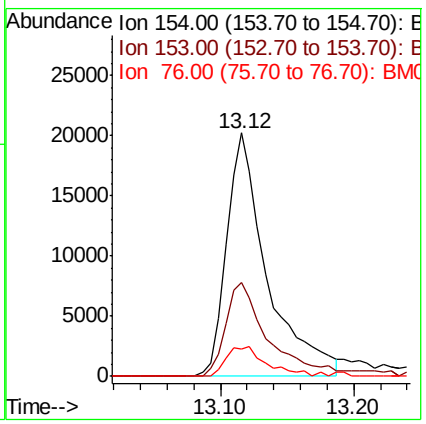


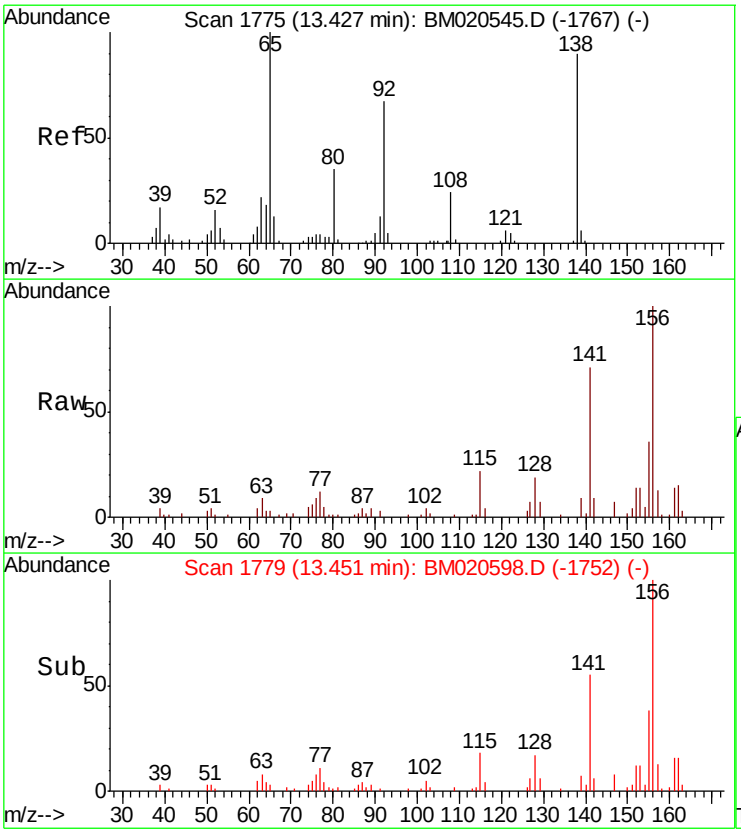
#46
1,1'-Biphenyl
Concen: 4.482 ng
RT: 13.12 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:154 Resp: 42709

Ion	Ratio	Lower	Upper
154	100		
153	38.5	19.8	59.8
76	11.4	0.0	32.8

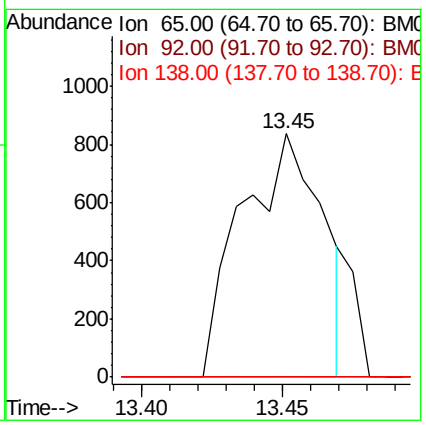


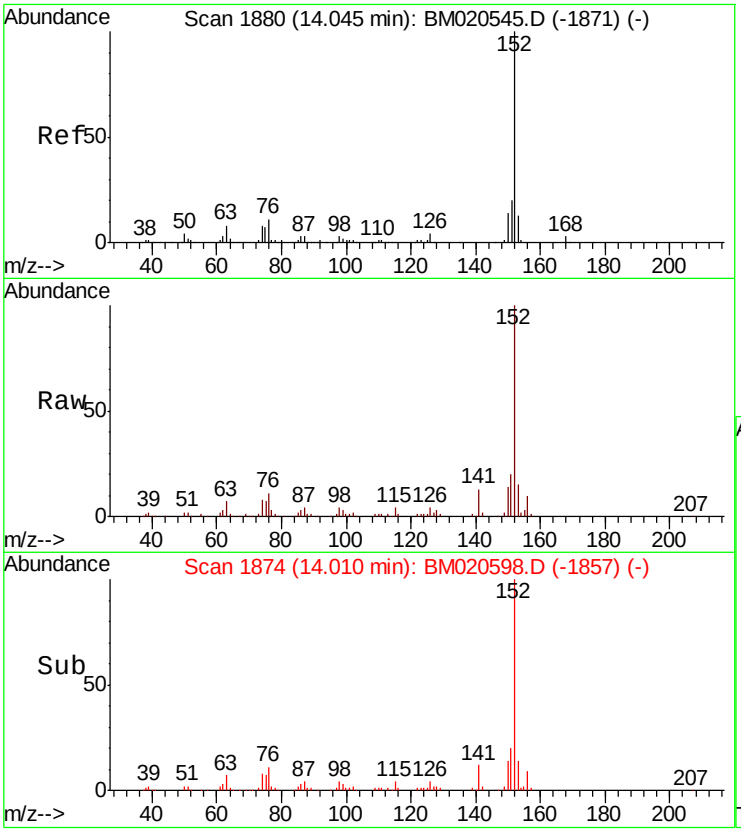


#48
2-Nitroaniline
Concen: 6.006 ng
RT: 13.45 min Scan# 1779
Delta R.T. 0.06 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion: 65 Resp: 1668

Ion	Ratio	Lower	Upper
65	100		
92	0.0	50.5	75.7#
138	0.0	62.7	94.1#



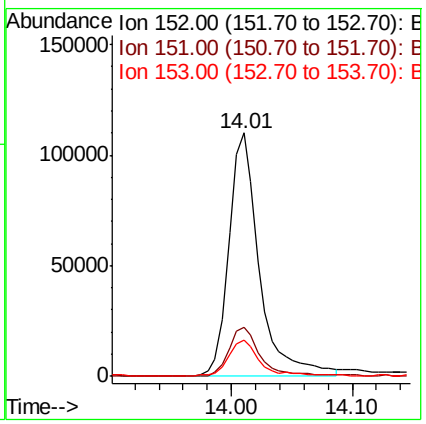


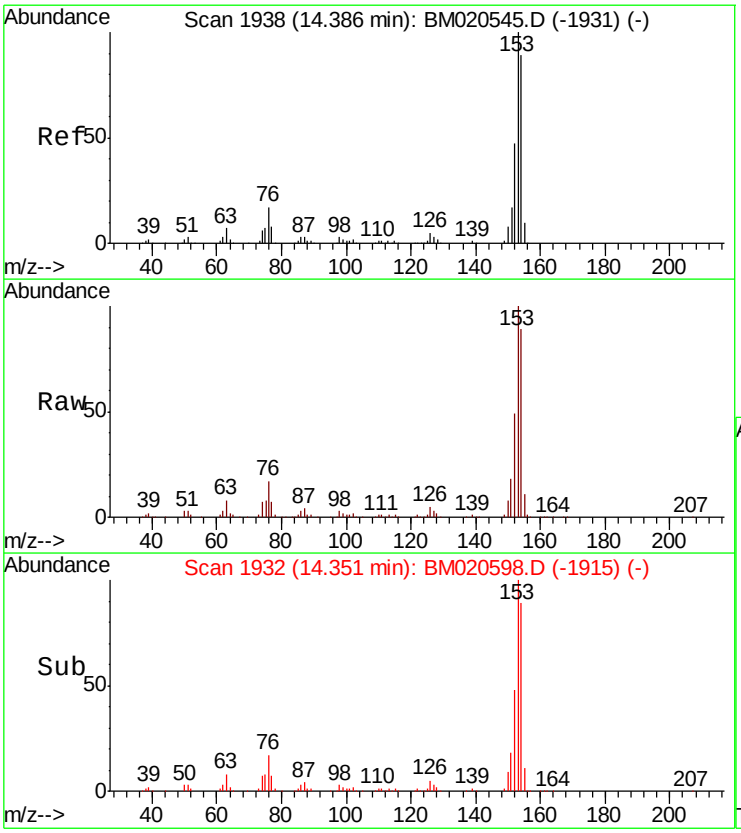
#49
Acenaphthylene
Concen: 15.832 ng
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:152 Resp: 194478

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	14.7	10.4	15.6

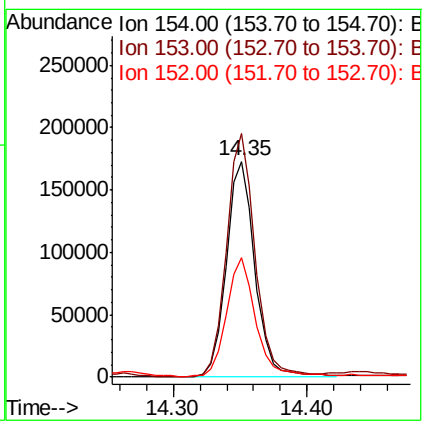


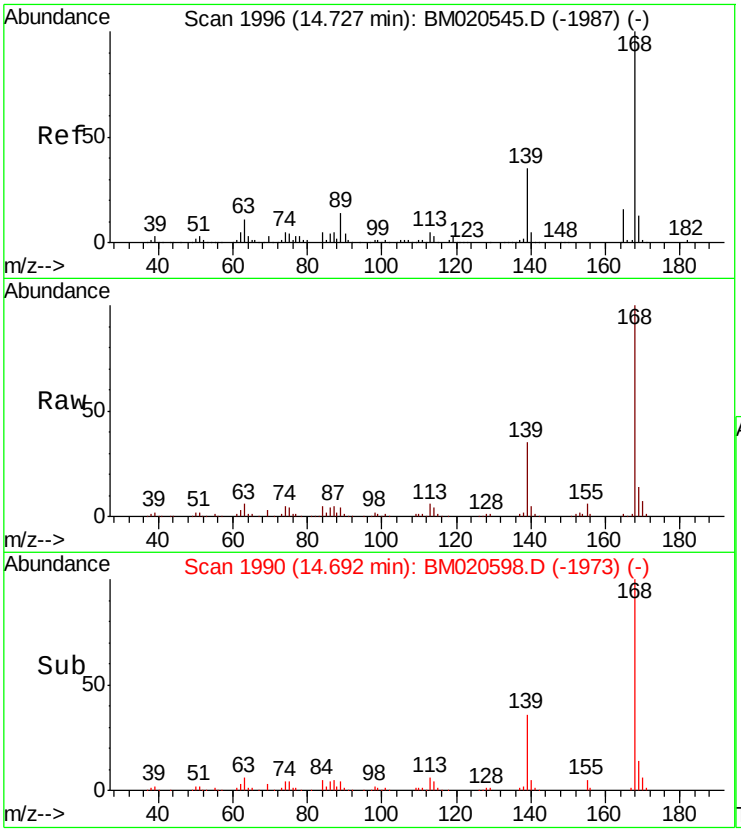


#52
Acenaphthene
Concen: 35.060 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:154 Resp: 259524

Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.2	132.4
152	55.2	42.6	63.8



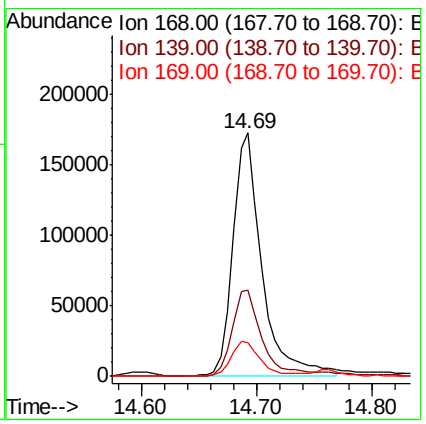


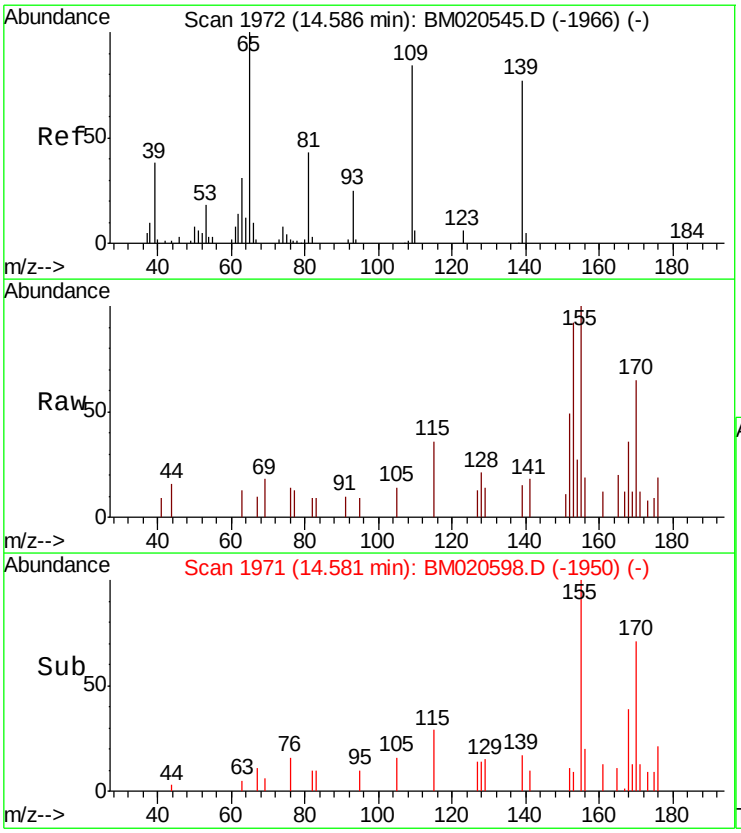
#55
Dibenzofuran
Concen: 23.360 ng
RT: 14.69 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:168 Resp: 299224

Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.0	43.6
169	14.0	10.6	16.0

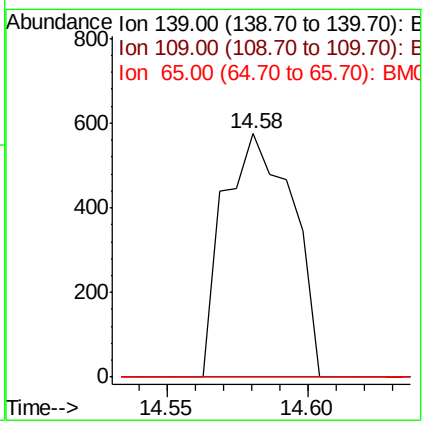


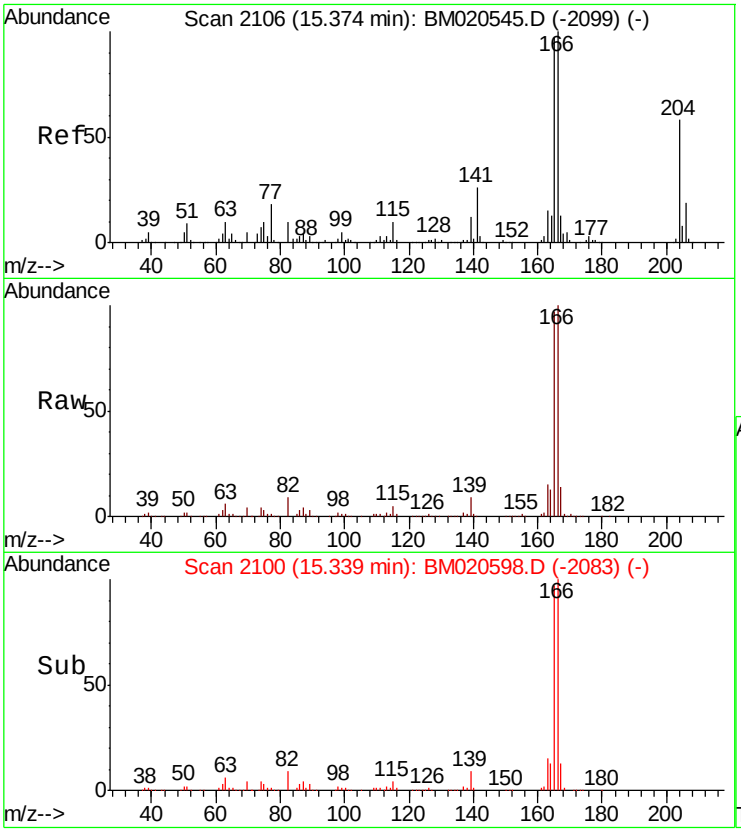


#56
4-Nitrophenol
Concen: 9.625 ng
RT: 14.58 min Scan# 1971
Delta R.T. 0.02 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:139 Resp: 971

Ion	Ratio	Lower	Upper
139	100		
109	0.0	89.2	129.2#
65	0.0	111.3	151.3#



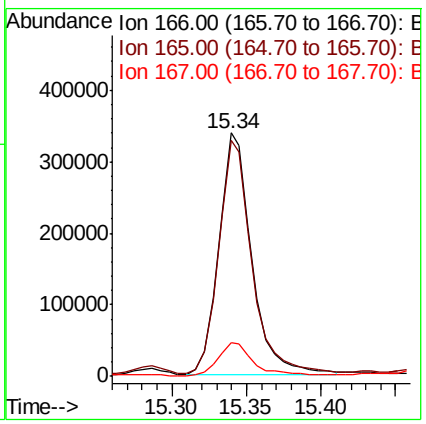


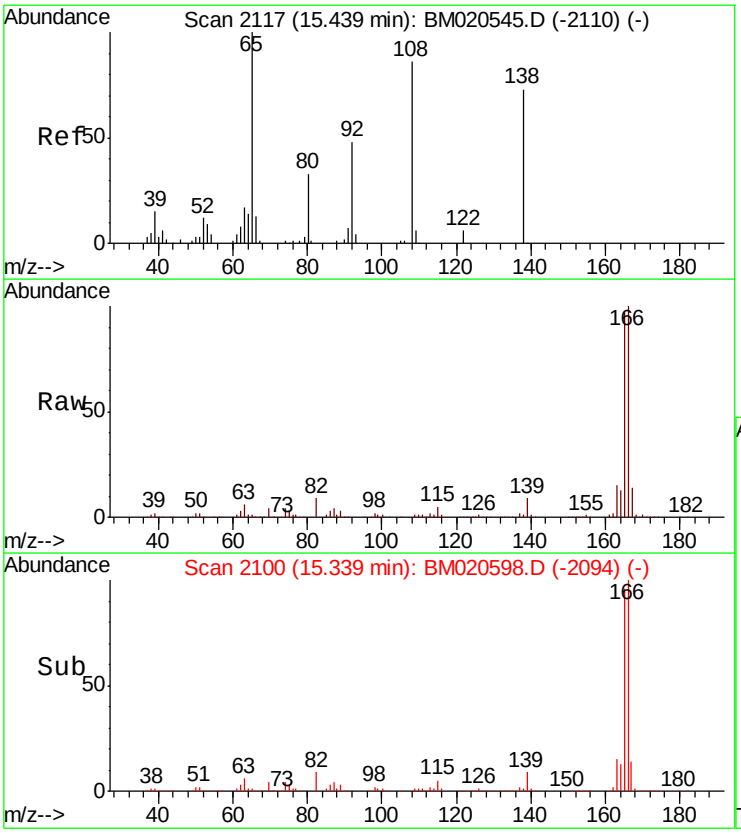
#58
Fluorene
Concen: 49.066 ng
RT: 15.34 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:166 Resp: 522097

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.6	116.4
167	13.8	11.4	17.0

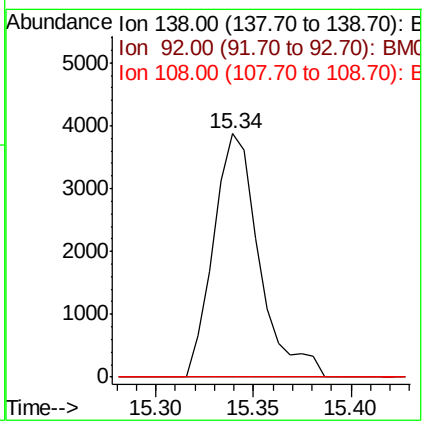


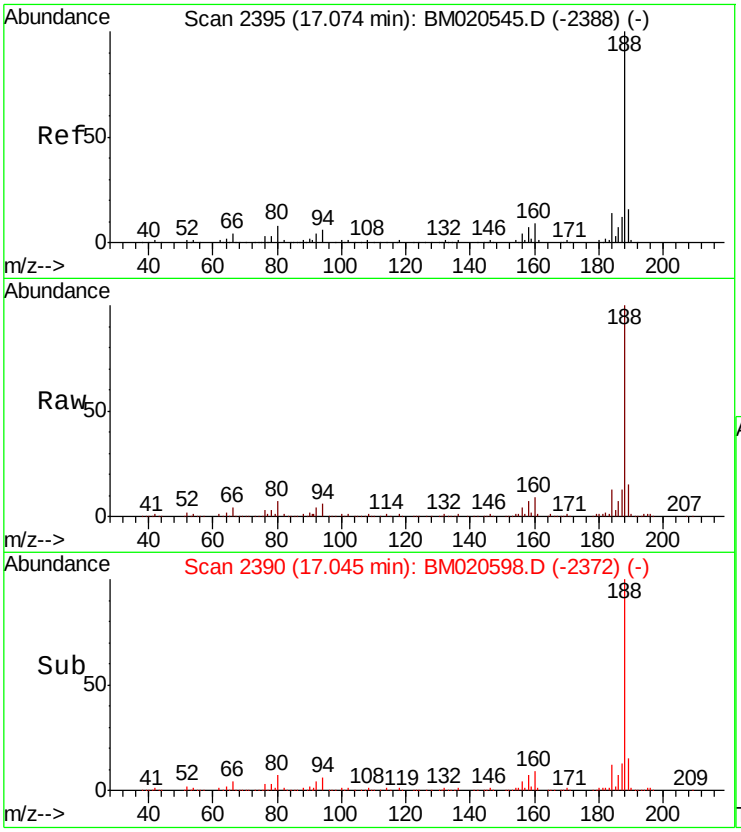


#62
4-Nitroaniline
Concen: 3.282 ng
RT: 15.34 min Scan# 2100
Delta R.T. -0.06 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:138 Resp: 6301

Ion	Ratio	Lower	Upper
138	100		
92	0.0	42.4	82.4#
108	0.0	103.6	143.6#



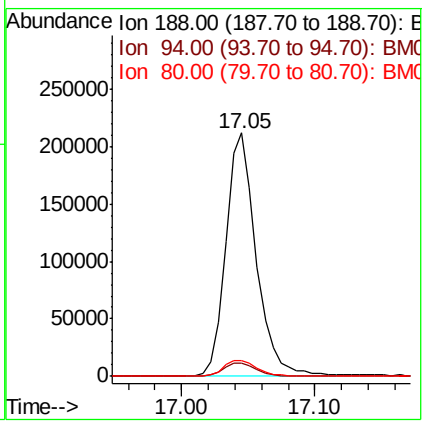


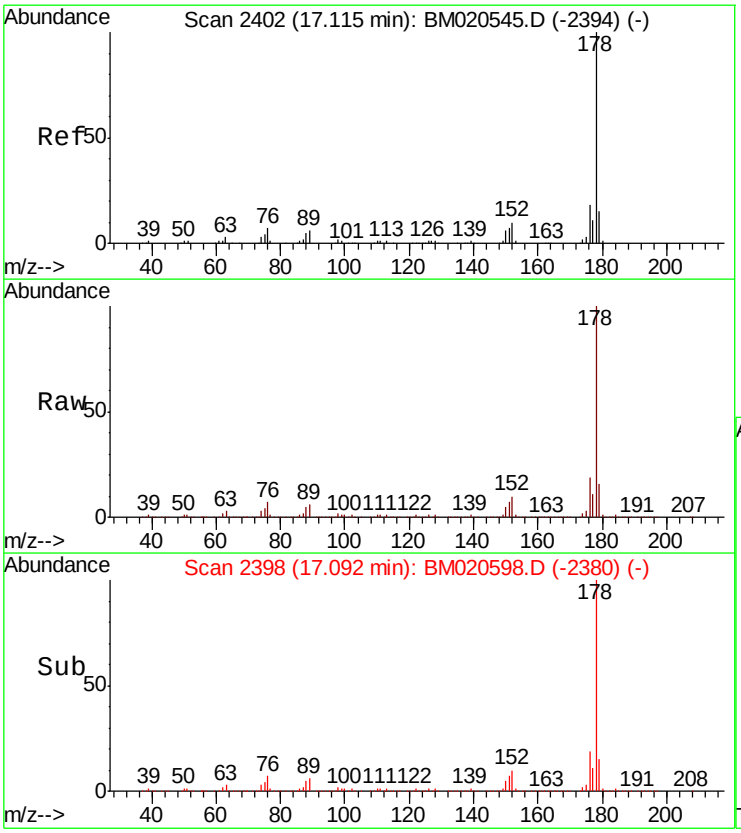
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2390
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:188 Resp: 338058

Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.6	7.0
80	6.7	6.2	9.4

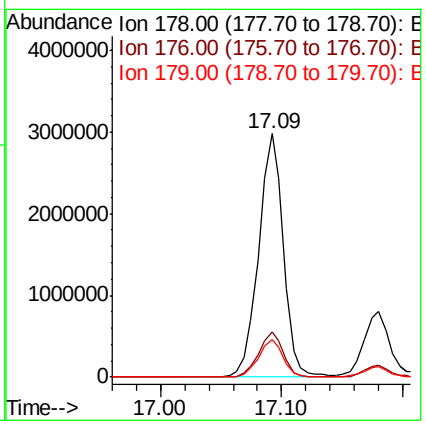


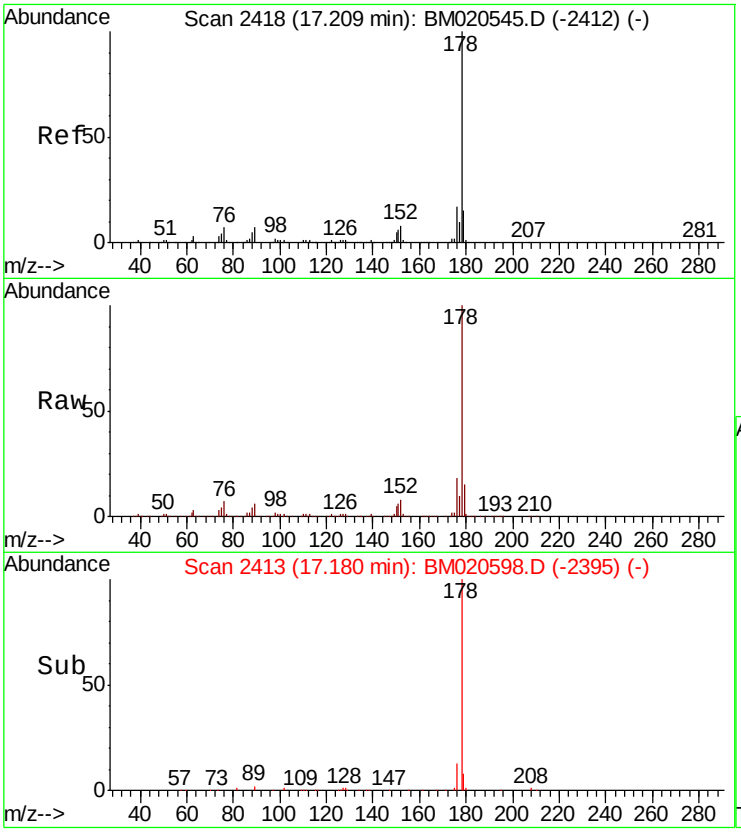


#71
Phenanthrene
Concen: 230.978 ng
RT: 17.09 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:178 Resp: 4241934

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.5	12.1	18.1



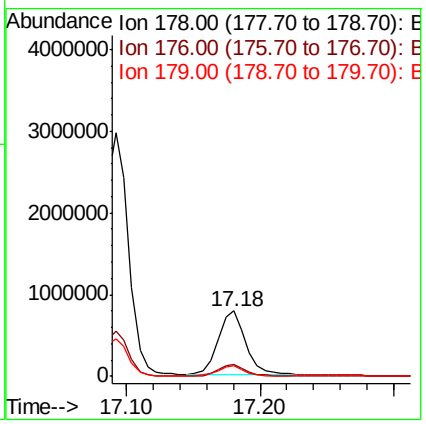


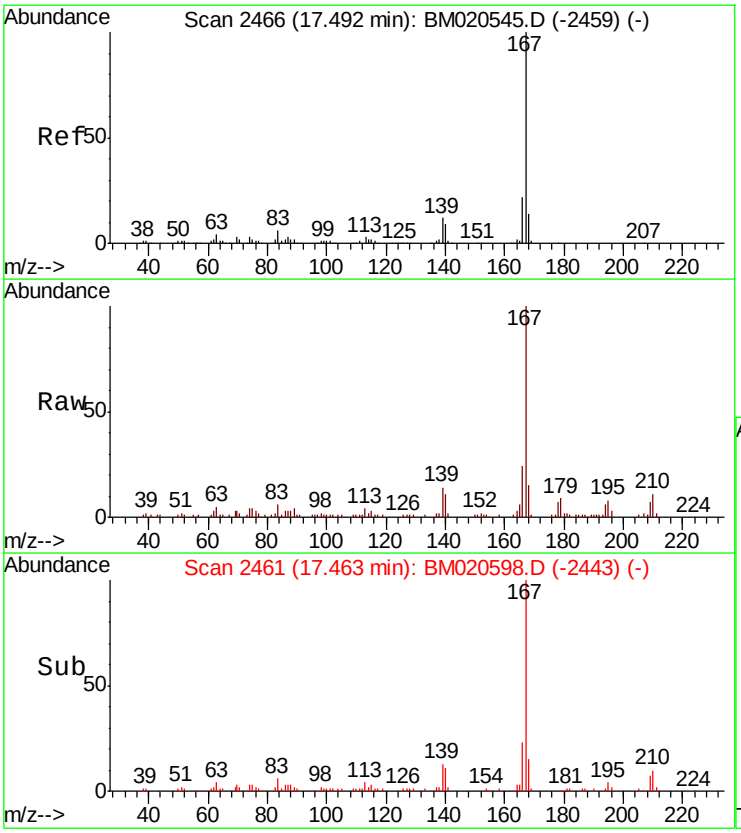
#72
Anthracene
Concen: 64.770 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:178 Resp: 1153553

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.4	12.2	18.4

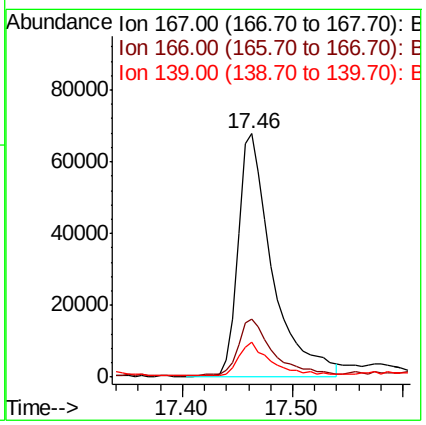


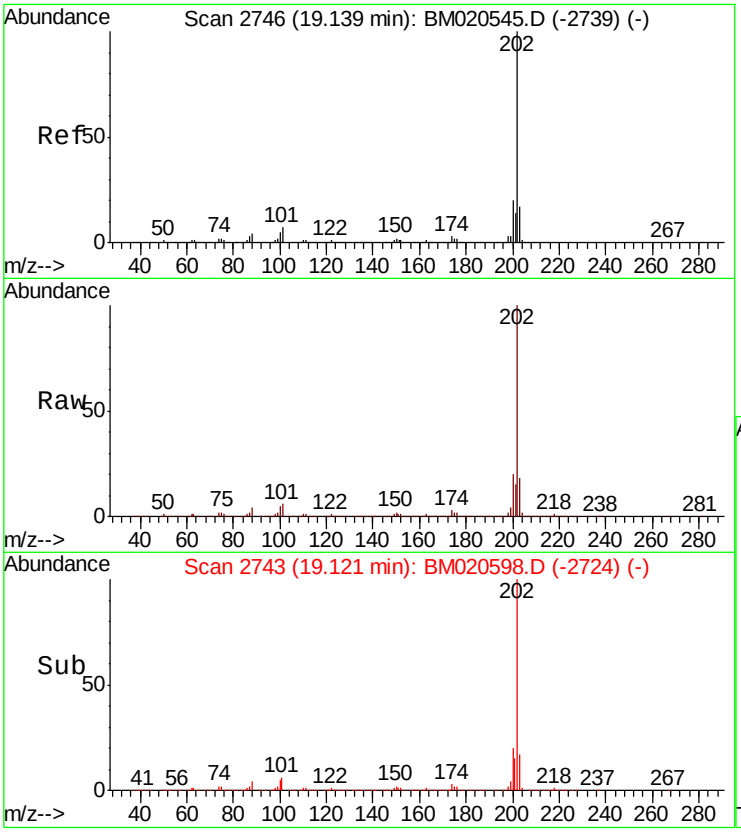


#73
Carbazole
Concen: 9.709 ng
RT: 17.46 min Scan# 2461
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:167 Resp: 148403

Ion	Ratio	Lower	Upper
167	100		
166	23.6	16.4	24.6
139	14.2	9.1	13.7#



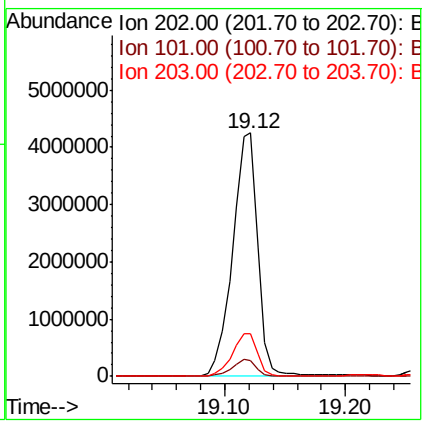


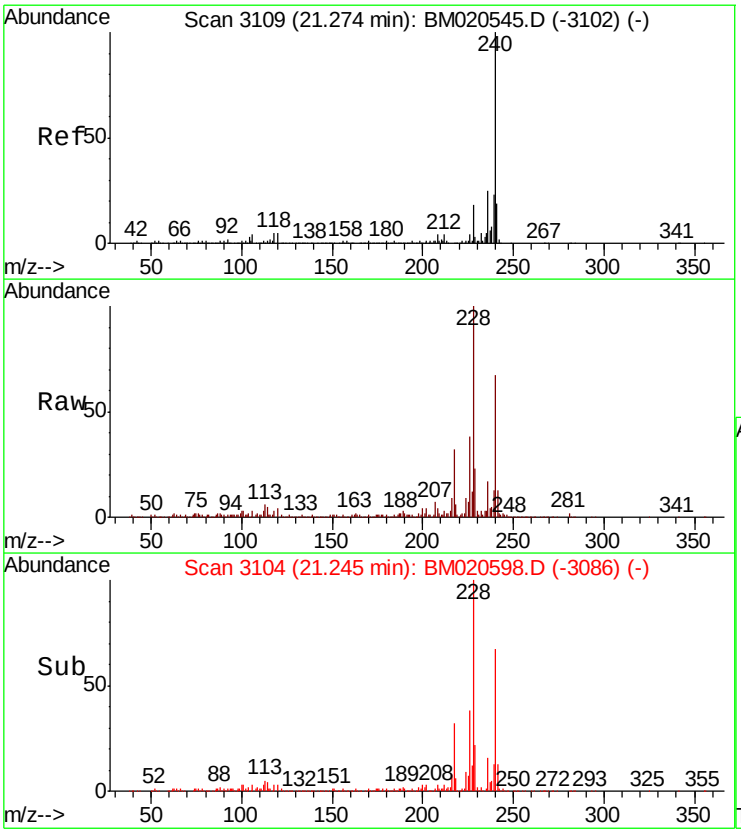
#75
Fluoranthene
Concen: 241.251 ng
RT: 19.12 min Scan# 2743
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:202 Resp: 6161208

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	26.0
203	17.7	0.0	37.3

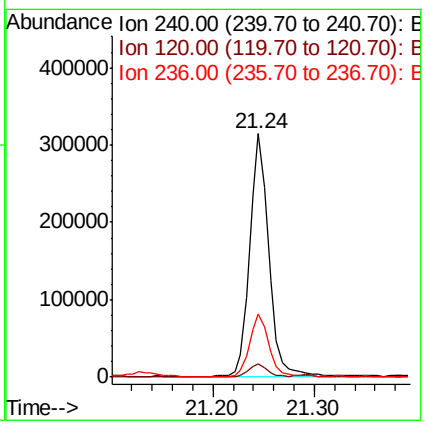


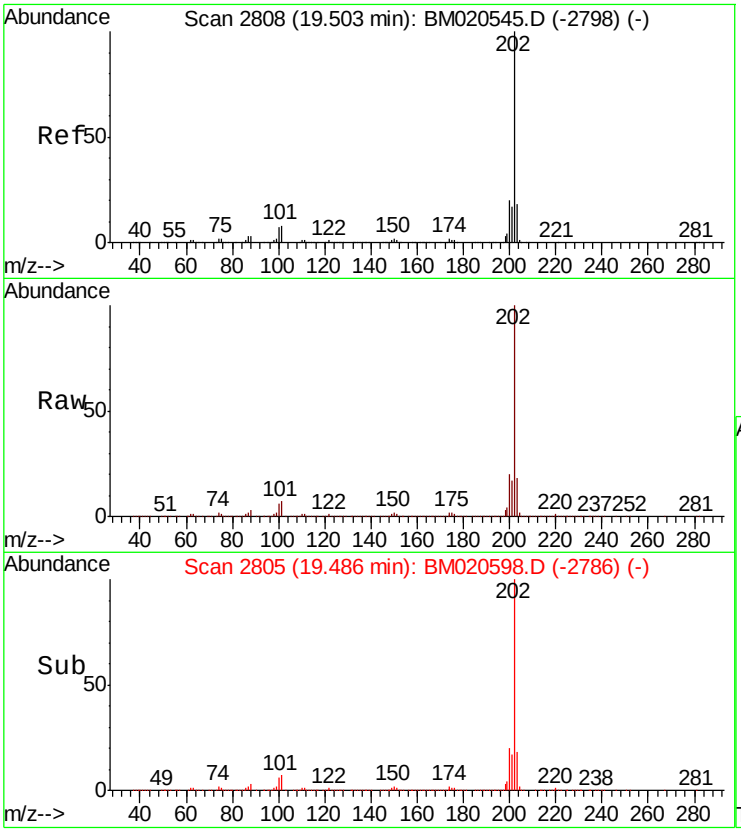


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.24 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:240 Resp: 407904

Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.7	5.5
236	25.8	20.2	30.2



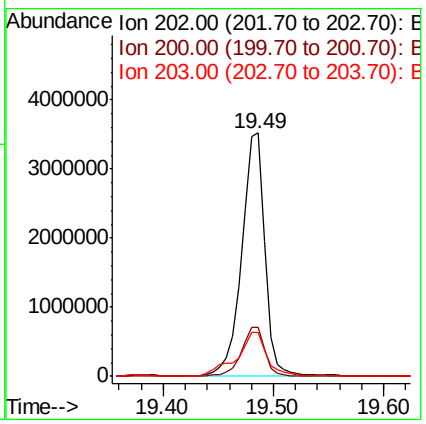


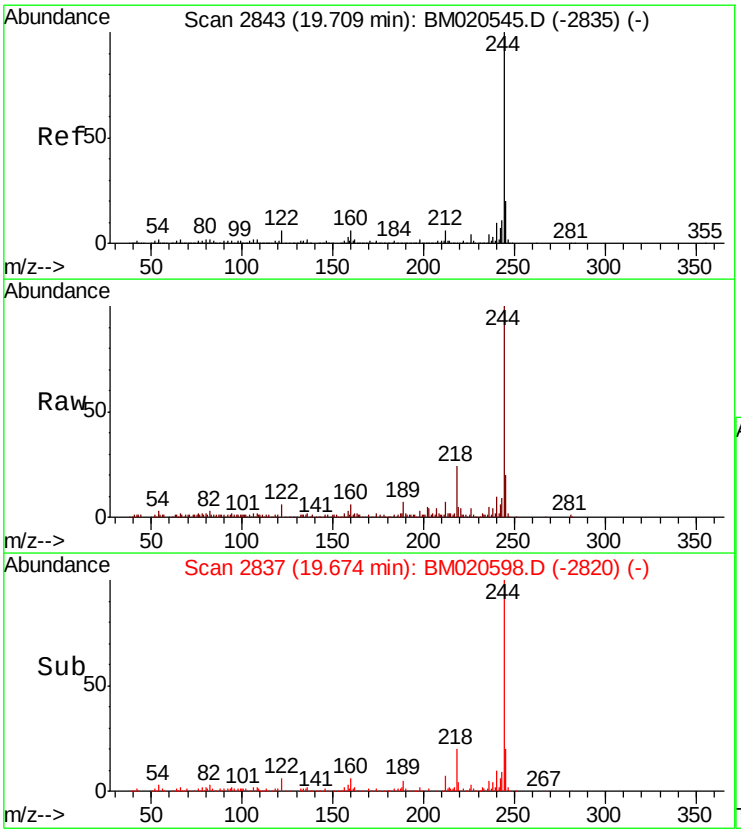
#78
Pyrene
Concen: 203.099 ng
RT: 19.49 min Scan# 2805
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:202 Resp: 5201049

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	18.2	14.1	21.1

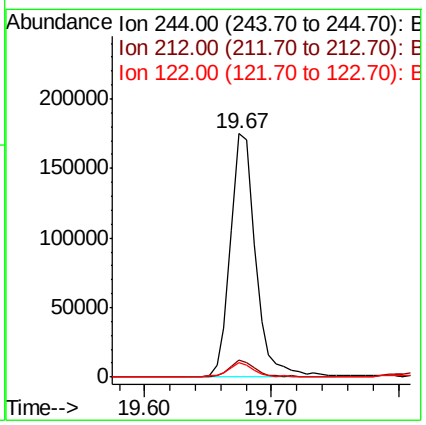


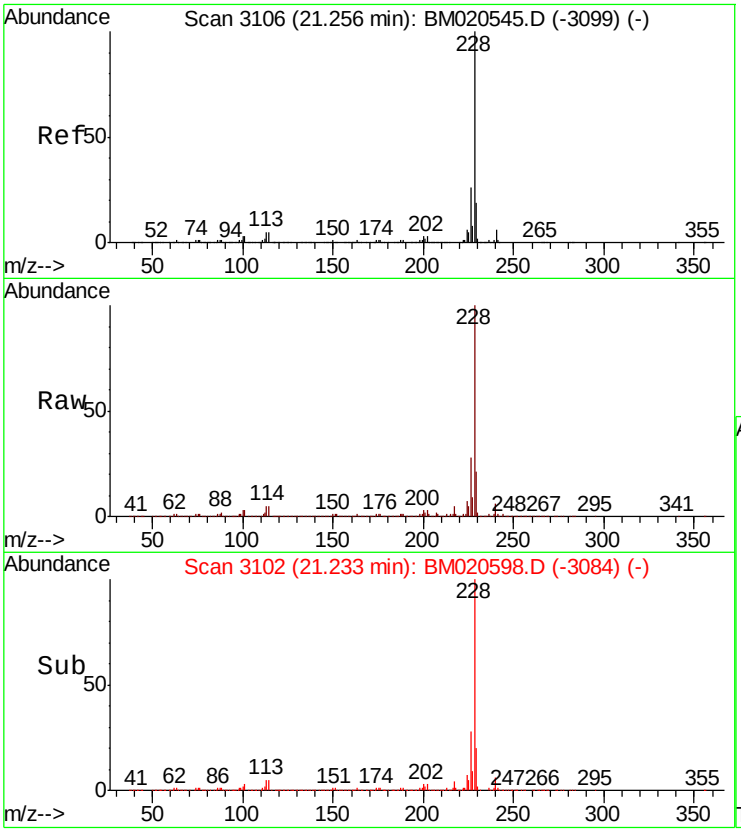


#79
Terphenyl-d14
Concen: 10.681 ng
RT: 19.67 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:244 Resp: 240998

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.1	7.7
122	6.1	4.6	7.0



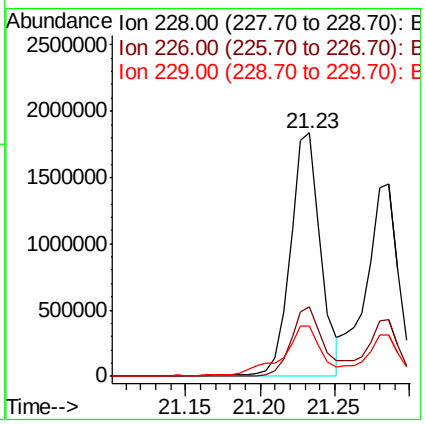


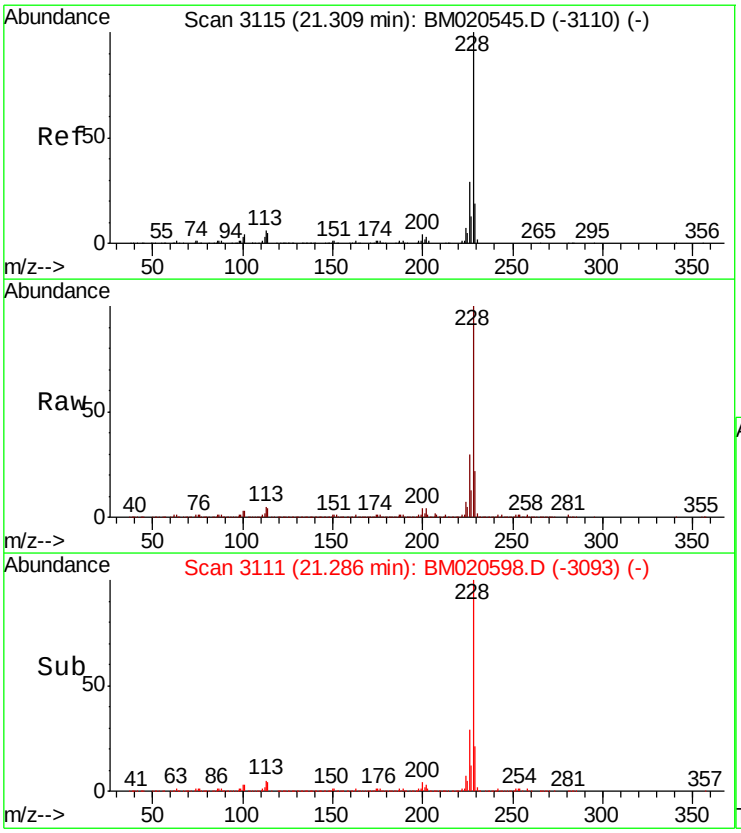
#81
Benzo(a)anthracene
Concen: 91.326 ng
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:228 Resp: 2578254

Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.9	31.3
229	20.5	15.5	23.3

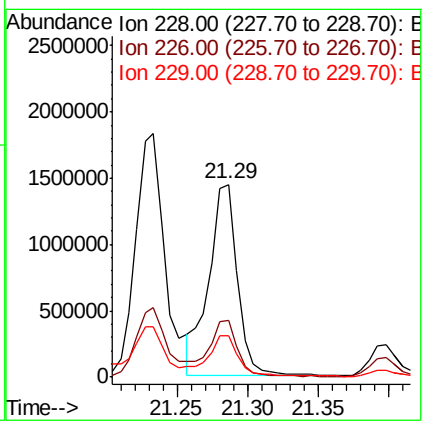


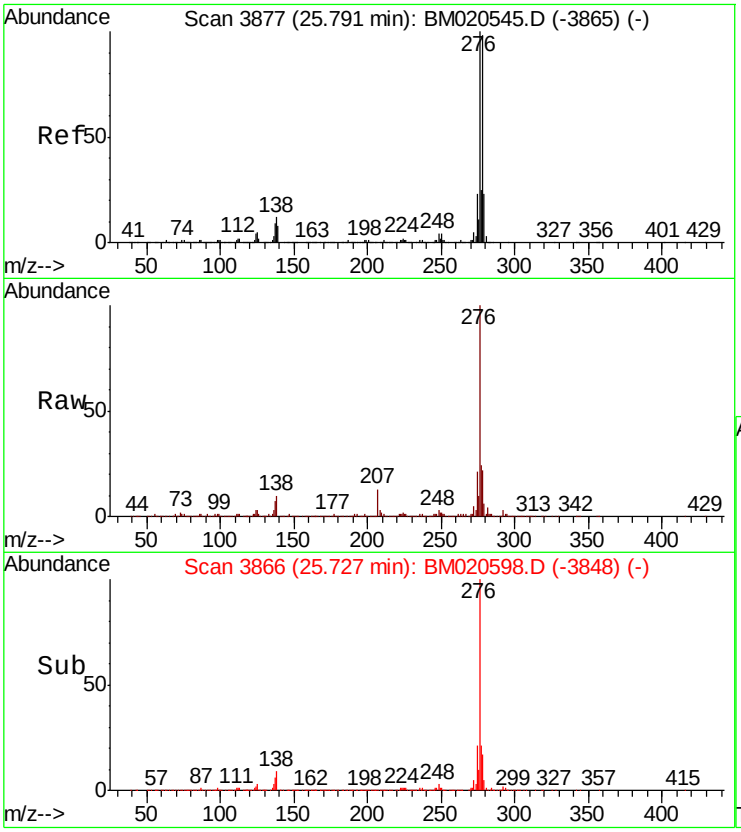


#83
Chrysene
Concen: 74.996 ng
RT: 21.29 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:228 Resp: 2045850

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.7	34.1
229	21.6	15.4	23.2



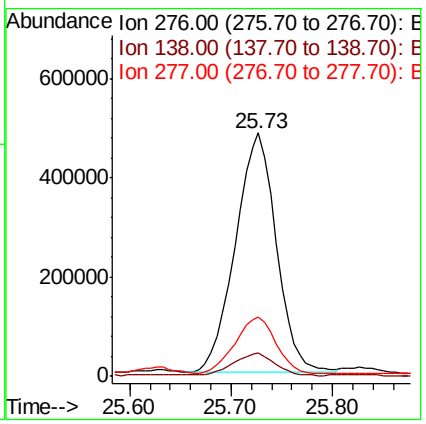


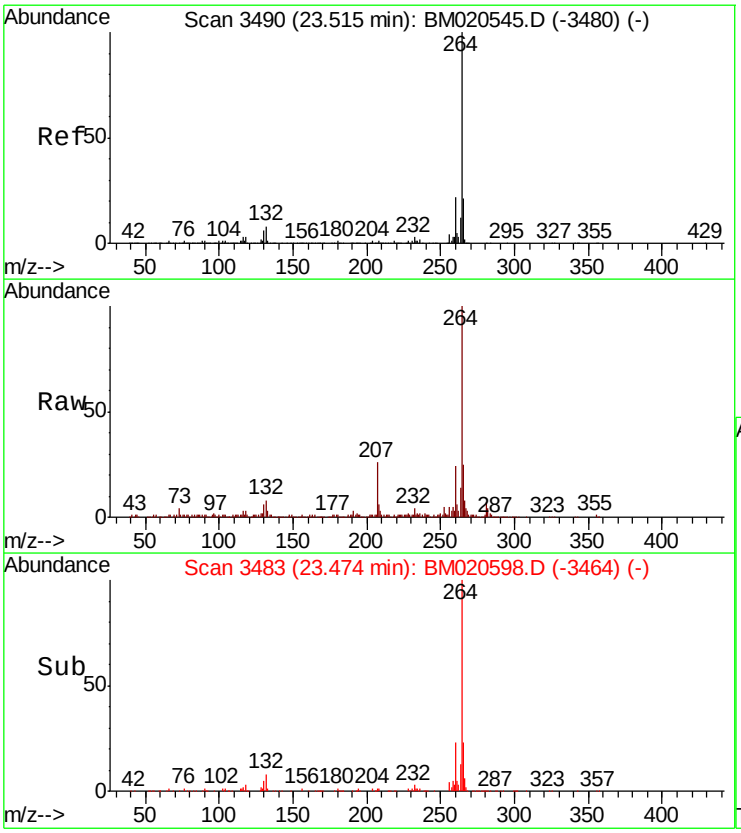
#86
Indeno(1,2,3-cd)pyrene
Concen: 40.986 ng
RT: 25.73 min Scan# 3866
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:276 Resp: 1351889

Ion	Ratio	Lower	Upper
276	100		
138	9.3	8.8	13.2
277	23.8	20.4	30.6

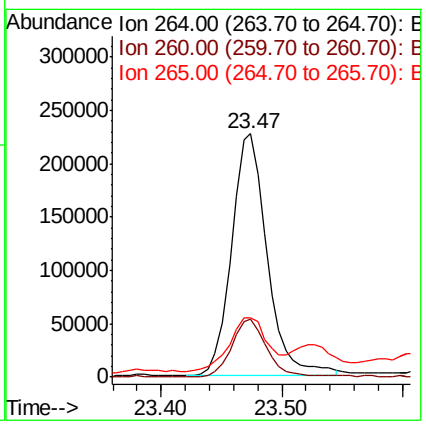


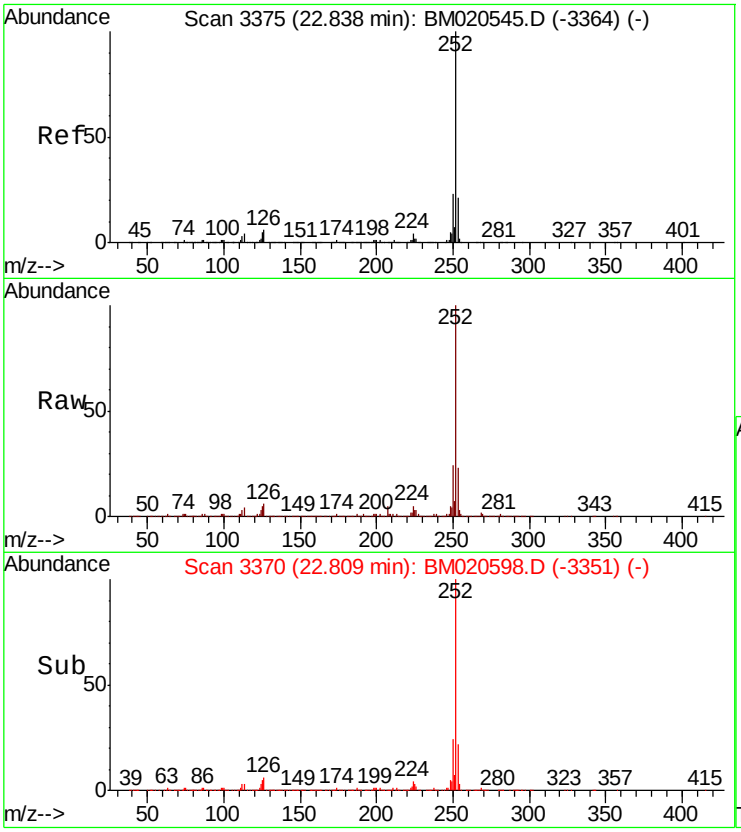


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.47 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:264 Resp: 467602

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	24.6	18.2	27.4



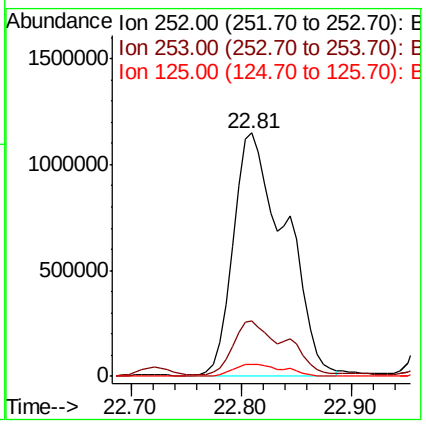


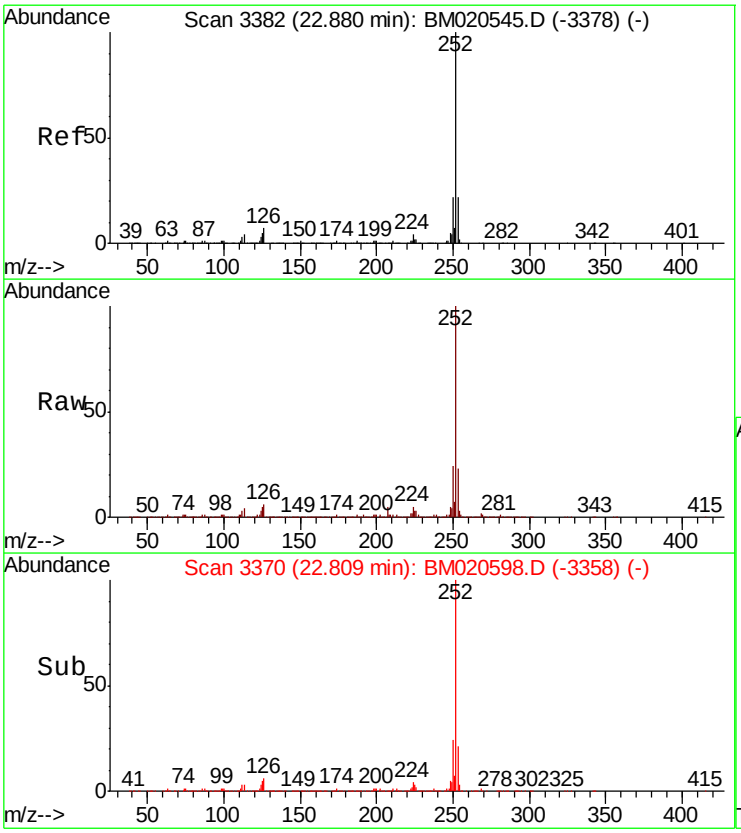
#88
Benzo(b)fluoranthene
Concen: 123.042 ng
RT: 22.81 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:252 Resp: 3765739

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	4.9	3.4	5.2

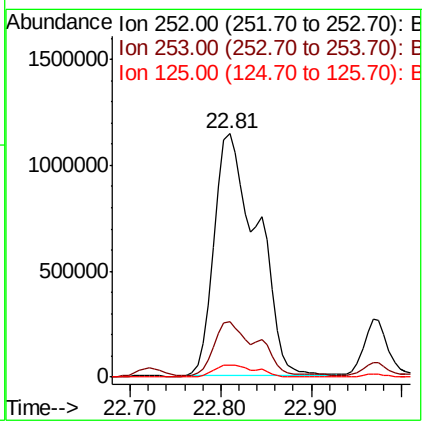


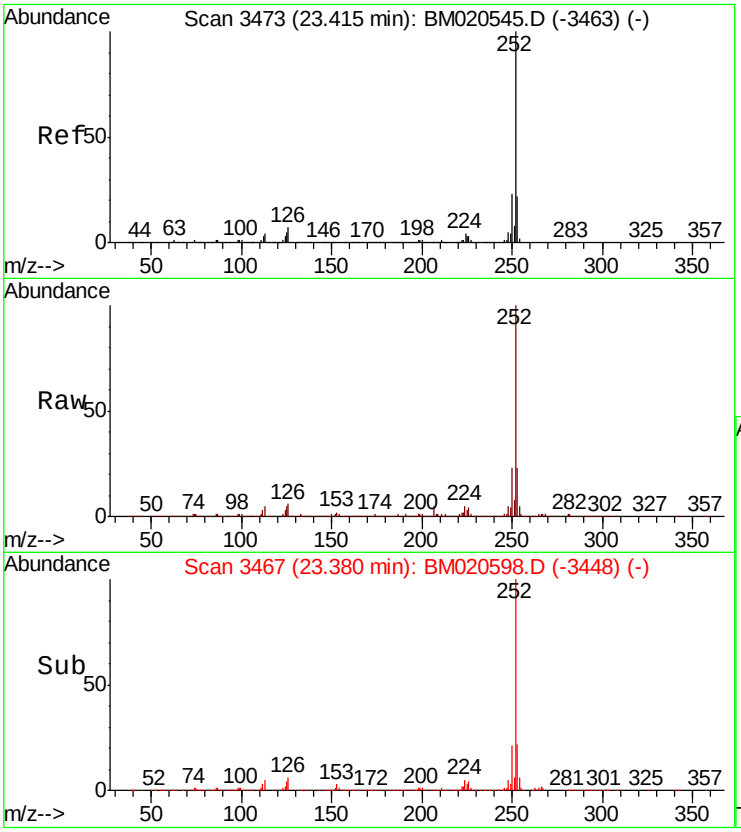


#89
Benzo(k)fluoranthene
Concen: 126.954 ng
RT: 22.81 min Scan# 3370
Delta R.T. -0.03 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:252 Resp: 3770982

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	4.9	3.7	5.5



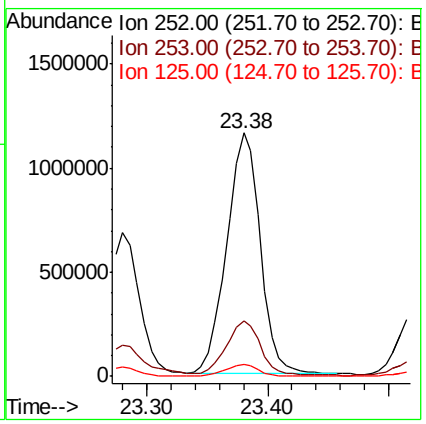


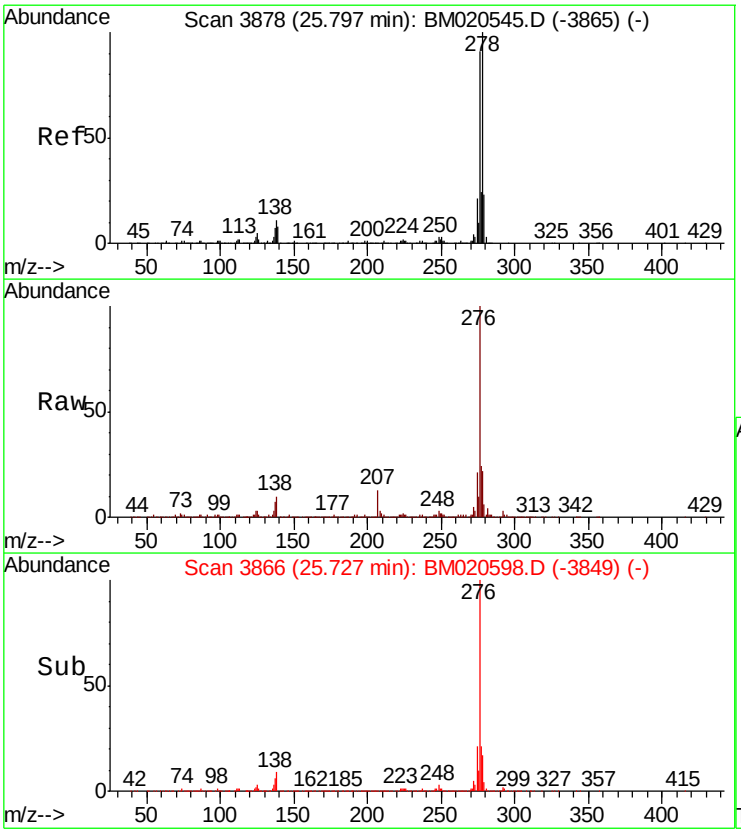
#90
Benzo(a)pyrene
Concen: 79.204 ng
RT: 23.38 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:252 Resp: 2230655

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	5.1	3.8	5.8

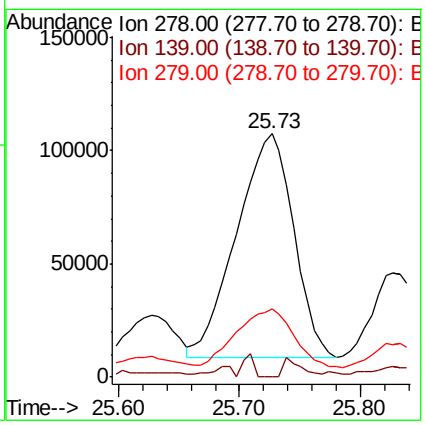


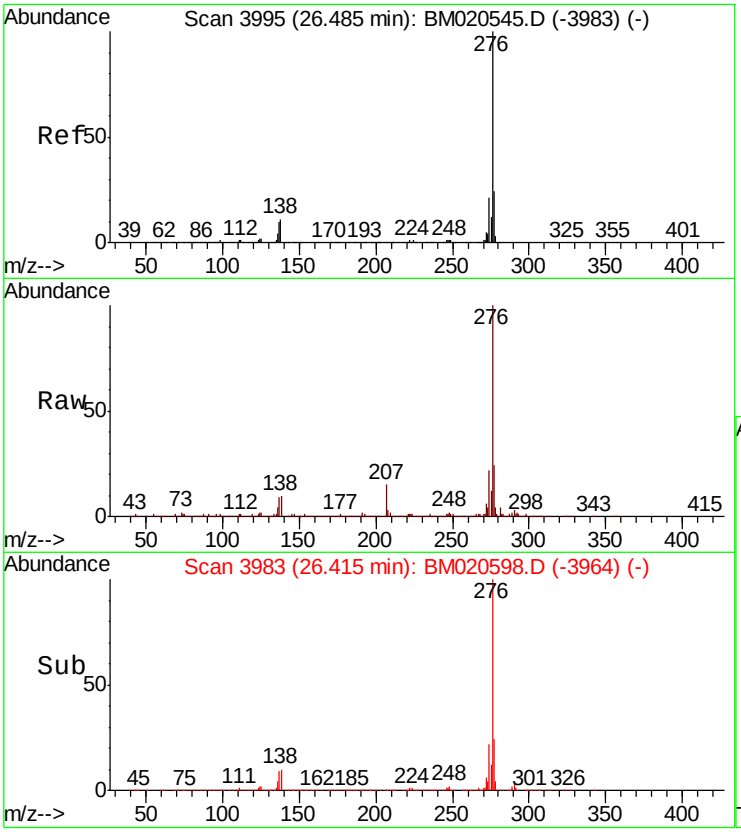


#91
Dibenzo(a,h)anthracene
Concen: 11.245 ng
RT: 25.73 min Scan# 3866
Delta R.T. -0.00 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Tgt Ion:278 Resp: 324175

Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.2	9.2#
279	28.1	18.6	27.8#





#92
Benzo(g,h,i)perylene
Concen: 49.136 ng
RT: 26.42 min Scan# 3983
Delta R.T. 0.01 min
Lab File: BM020598.D
Acq: 29 May 2019 14:19

Instrument :
BNA_M
ClientSampleId :
CHRT-26835

Tgt Ion:276 Resp: 1313109

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	10.0	7.6	11.4