Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040951.D
Acq On : 30 May 2019 14:29
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FESB-18(2.5-3.0)

Quant Time: May 31 04:02:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	76032	20.00	ng		0.00
21) Naphthalene-d8	10.95	136	312565	20.00	ng		0.00
39) Acenaphthene-d10	14.75	164	220011	20.00	ng		0.00
64) Phenanthrene-d10	17.50	188	494927	20.00	ng		0.00
76) Chrysene-d12	21.78	240	475524	20.00	ng		0.00
87) Perylene-d12	25.13	264	531209	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	382365	90.68	ng		0.00
7) Phenol-d6	7.27	99	585019	89.84	ng		0.00
23) Nitrobenzene-d5	9.30	82	409296	58.13	ng		0.00
42) 2,4,6-Tribromophenol	16.24	330	235413	72.08	ng		0.00
45) 2-Fluorobiphenyl	13.38	172	647299	42.37	ng		0.00
79) Terphenyl-d14	20.09	244	892142	39.82	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	57559	11.486	ng	#	73
32) Benzoic acid	10.19	122	57	8.143	ng	#	1
50) Dimethylphthalate	14.20	163	159183	8.547	ng		99
52) Acenaphthene	14.82	154	26045	2.043	ng		97
54) 2,4-Dinitrophenol	15.10	184	77	8.297	ng	#	18
56) 4-Nitrophenol	15.15	139	8159	2.962	ng	#	1
57) 2,4-Dinitrotoluene	14.75	165	28697	5.059	ng	#	22
58) Fluorene	15.80	166	45923	2.688	ng		99
65) 4,6-Dinitro-2-methylphenol	16.24	198	965	8.888	ng	#	1
67) 4-Bromophenyl-phenylether	16.24	248	18147	2.717	ng	#	1
70) Pentachlorophenol	17.12	266	109	4.283	ng	#	18
71) Phenanthrene	17.54	178	824728	31.991	ng		98
72) Anthracene	17.63	178	123612	4.862	ng		99
73) Carbazole	17.90	167	72109	3.305	ng		97
75) Fluoranthene	19.55	202	1686269	52.956	ng		96
78) Pyrene	19.91	202	1564583	50.614	ng		97
81) Benzo(a)anthracene	21.76	228	860466	27.184	ng		97
83) Chrysene	21.83	228	886165	29.255	ng		97
86) Indeno(1,2,3-cd)pyrene	28.97	276	535923	14.443	ng	#	95
88) Benzo(b)fluoranthene	24.06	252	1062140	32.966	ng		98
89) Benzo(k)fluoranthene	24.06	252	1062140	33.313	ng		99
90) Benzo(a)pyrene	24.97	252	807691	26.275	ng		98
91) Dibenzo(a,h)anthracene	29.00	278	140089	4.561	ng		93
92) Benzo(g,h,i)perylene	30.16	276	242593	8.130	ng		95

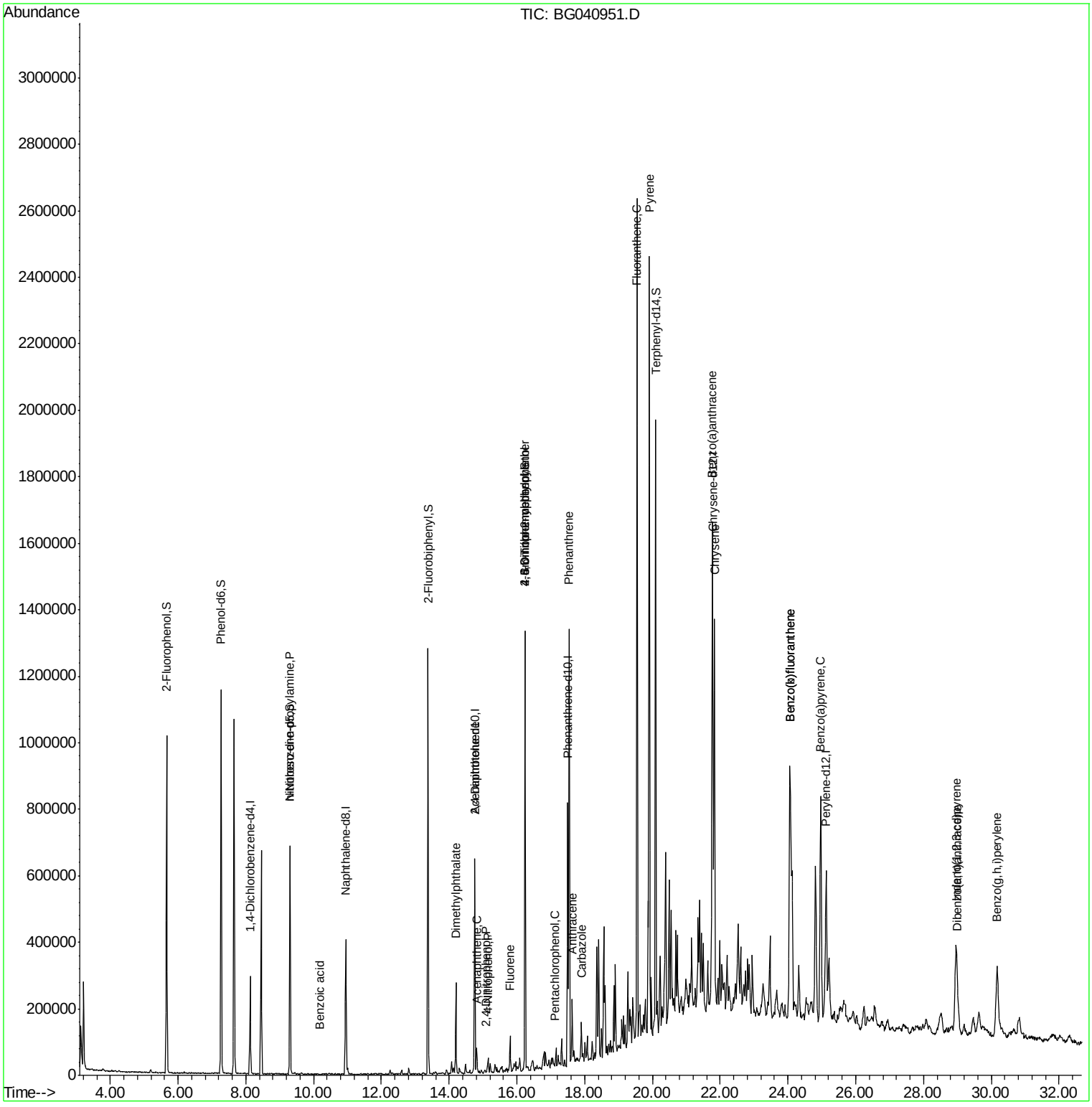
(#) = qualifier out of range (m) = manual integration (+) = signals summed

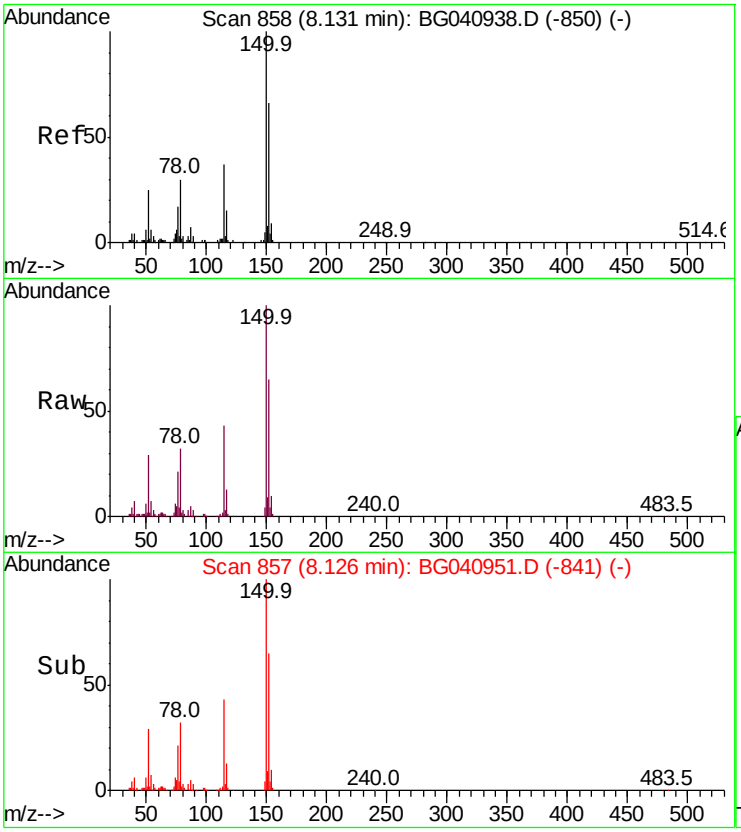
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053019\
Data File : BG040951.D
Acq On : 30 May 2019 14:29
Operator : HP/JU
Sample : K2966-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Quant Time: May 31 04:02:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration



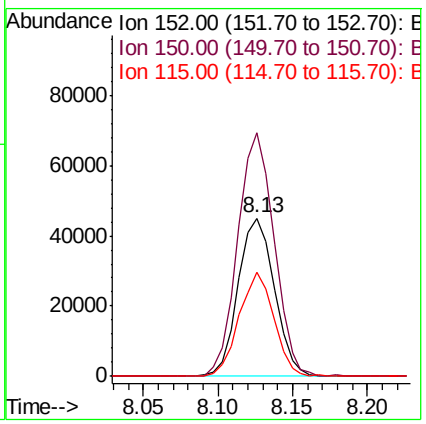


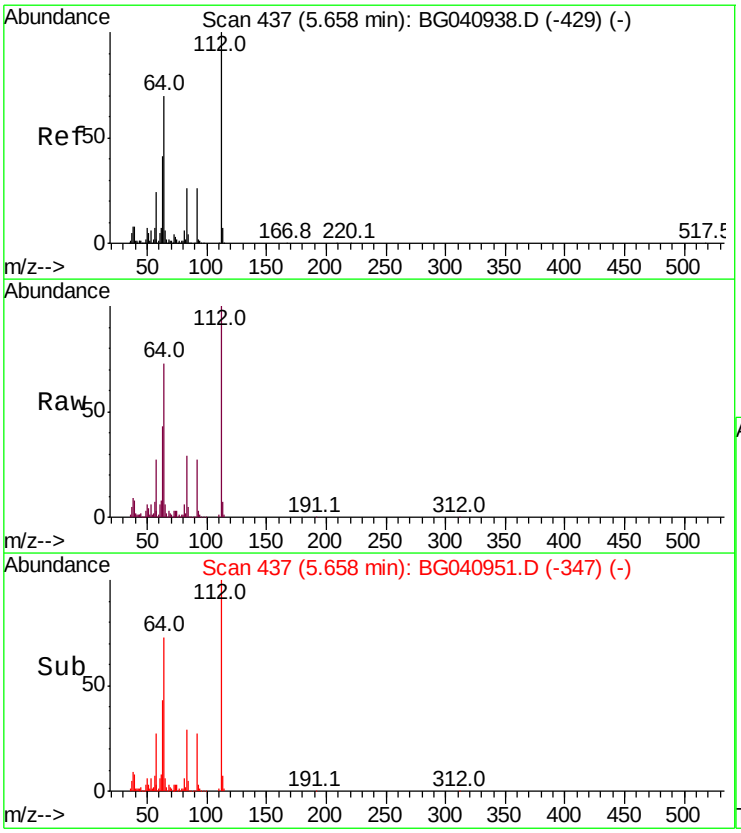
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:152 Resp: 76032

Ion	Ratio	Lower	Upper
152	100		
150	153.7	120.6	180.8
115	65.9	45.1	67.7

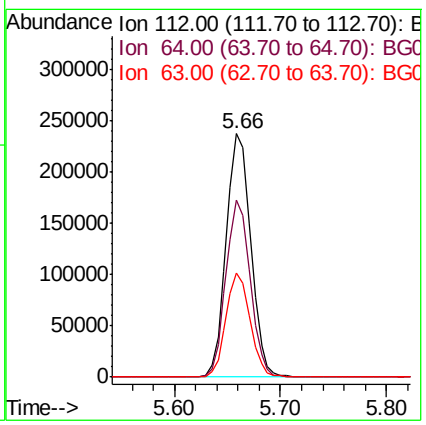


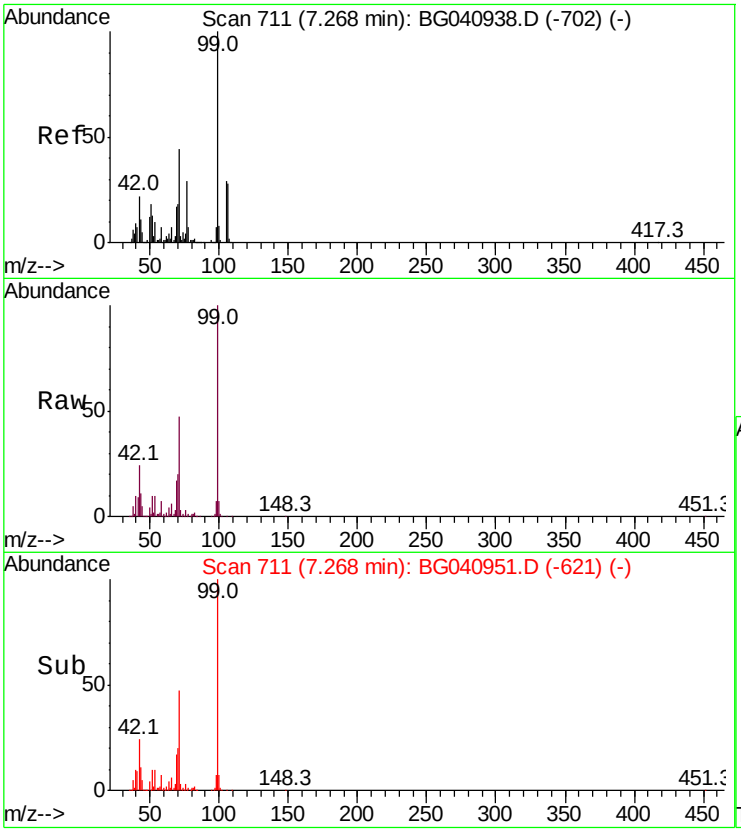


#5
2-Fluorophenol
Concen: 90.684 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:112 Resp: 382365

Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.2	84.2
63	42.9	32.8	49.2



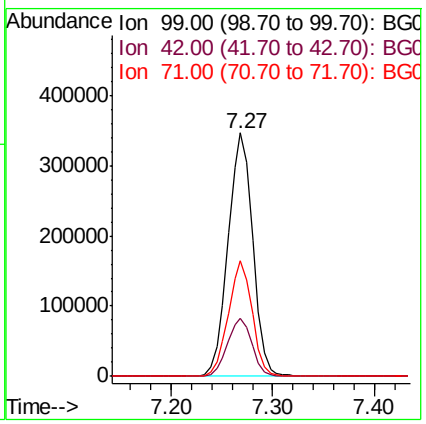


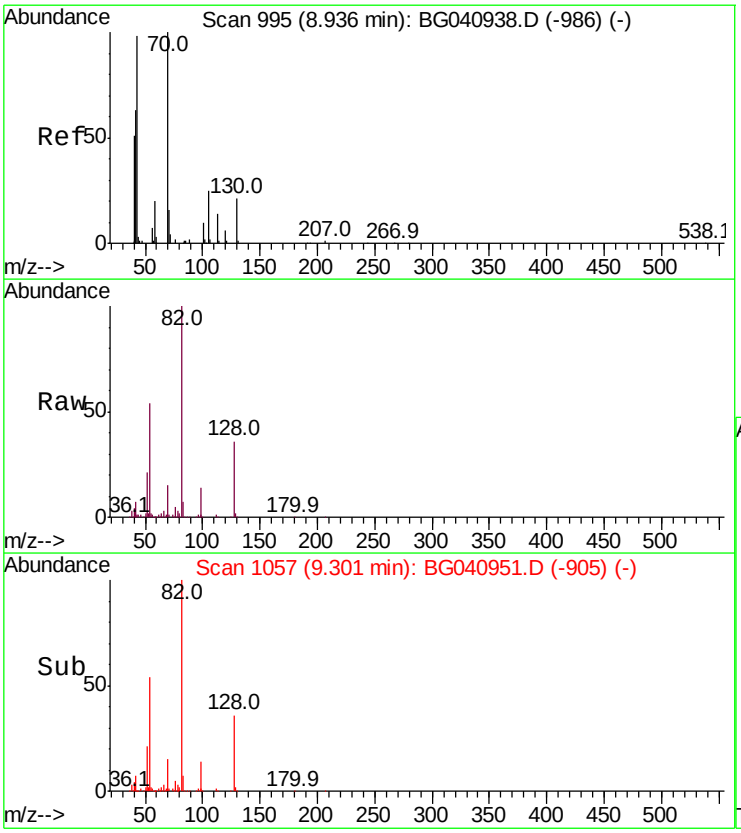
#7
Phenol-d6
Concen: 89.838 ng
RT: 7.27 min Scan# 711
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion: 99 Resp: 585019

Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.9	26.9
71	47.4	35.4	53.0

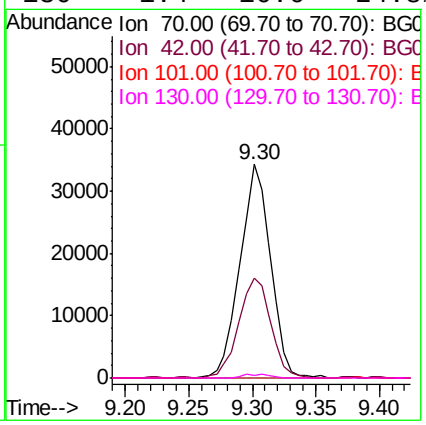


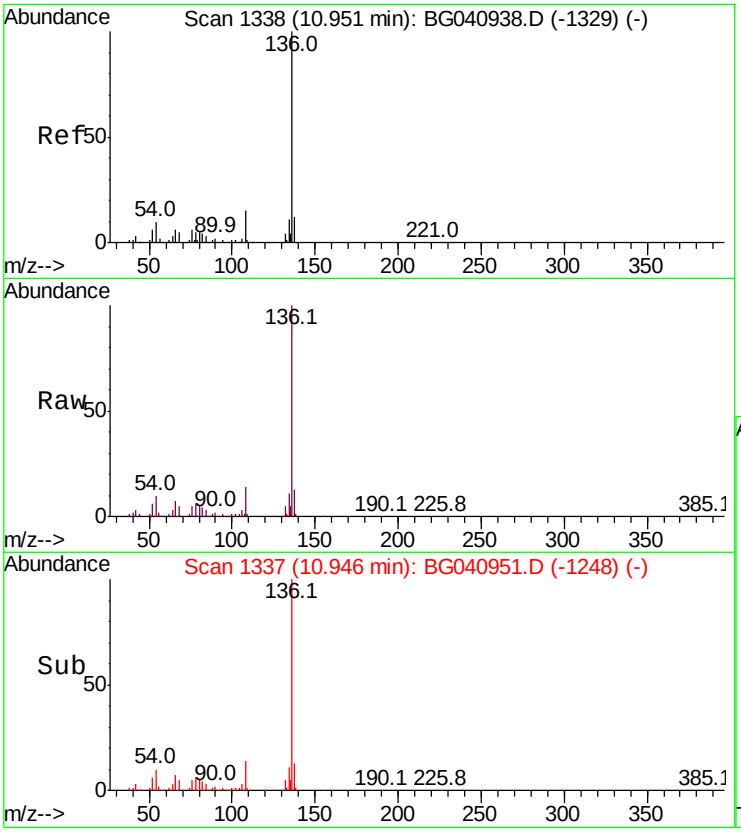


#19
n-Nitroso-di-n-propylamine
Concen: 11.486 ng
RT: 9.30 min Scan# 1057
Delta R.T. 0.37 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion: 70 Resp: 57559

Ion	Ratio	Lower	Upper
70	100		
42	46.7	51.5	77.3#
101	0.0	8.1	12.1#
130	1.4	16.6	24.8#



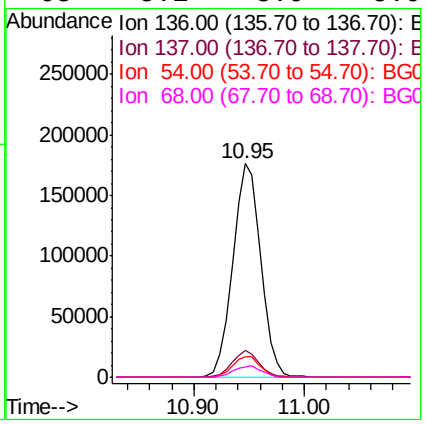


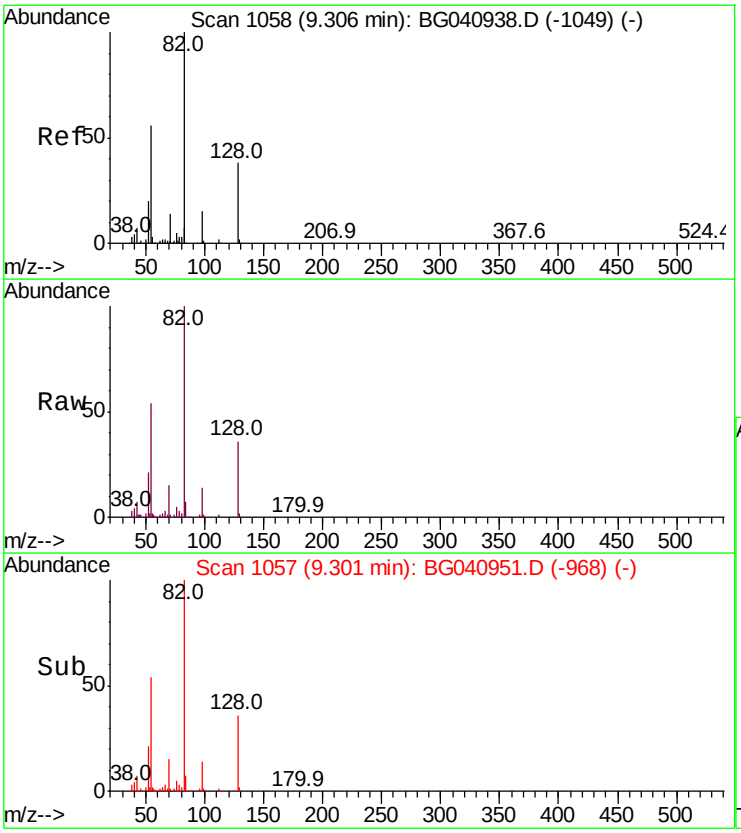
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:136 Resp: 312565

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.5	14.3
54	9.6	7.6	11.4
68	5.1	3.9	5.9

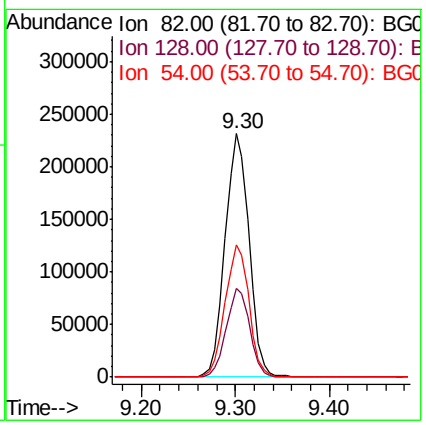


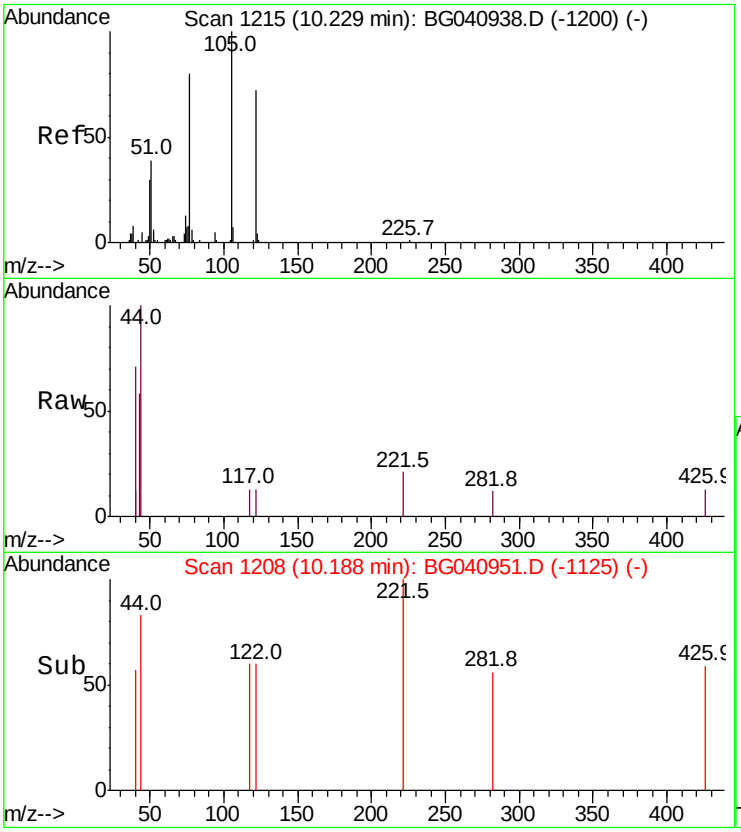


#23
Nitrobenzene-d5
Concen: 58.132 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion: 82 Resp: 409296

Ion	Ratio	Lower	Upper
82	100		
128	36.2	30.5	45.7
54	54.1	44.6	66.8



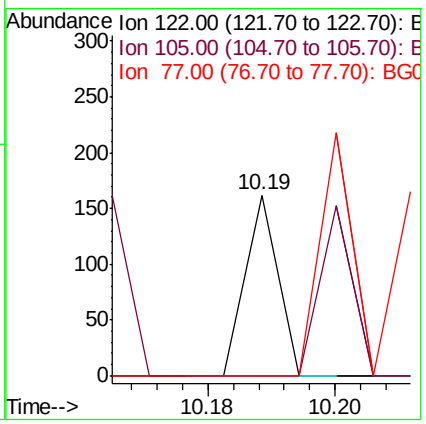


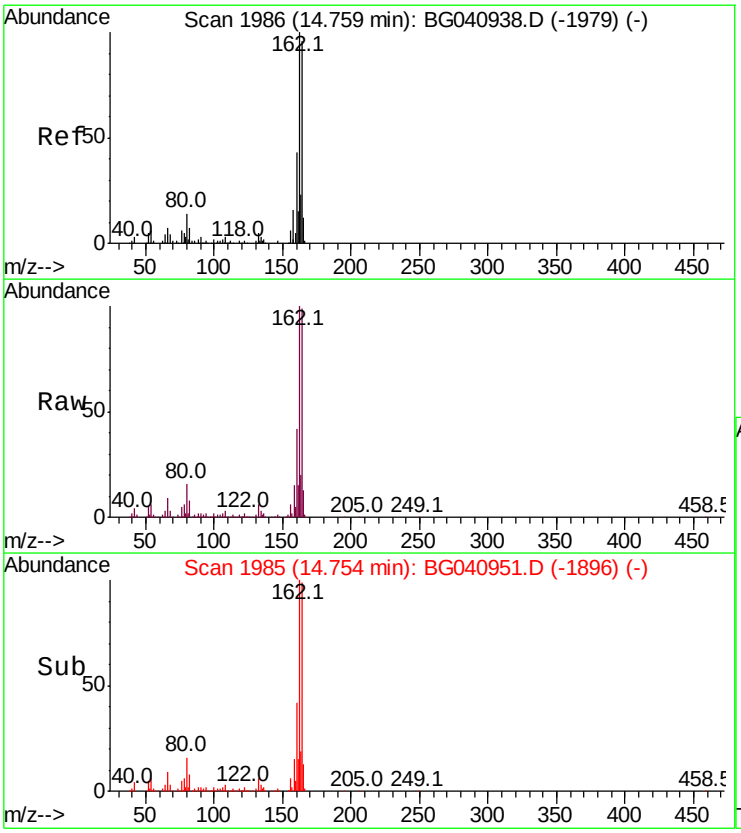
#32
Benzoic acid
Concen: 8.143 ng
RT: 10.19 min Scan# 1208
Delta R.T. -0.04 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:122 Resp: 57

Ion	Ratio	Lower	Upper
122	100		
105	0.0	114.8	154.8#
77	0.0	89.9	129.9#

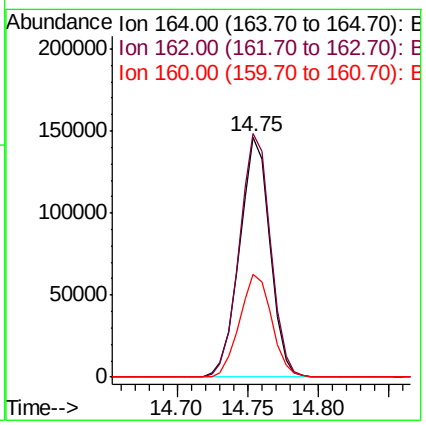


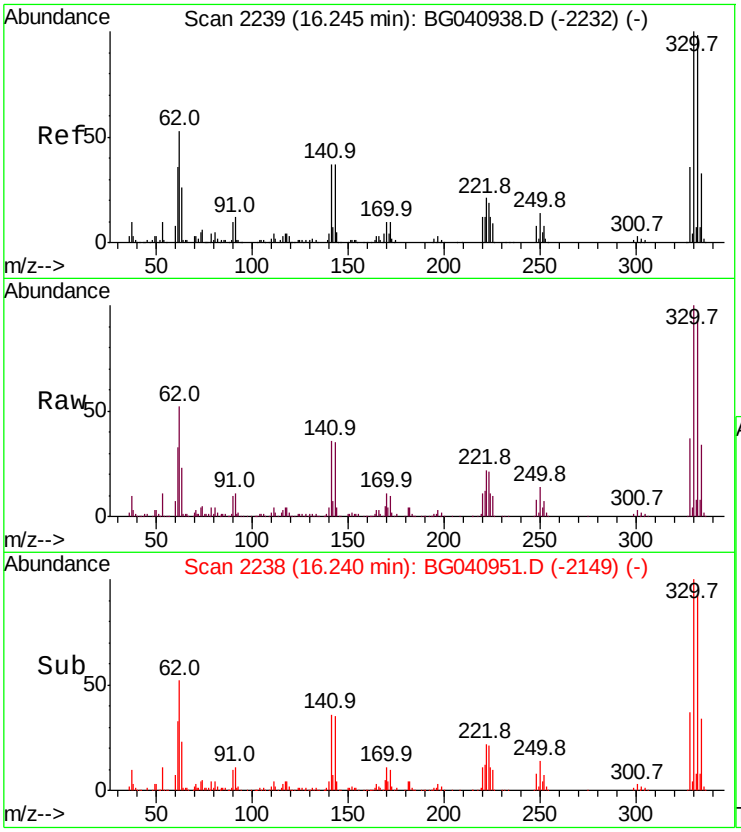


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:164 Resp: 220011

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.0	124.4
160	42.9	35.6	53.4



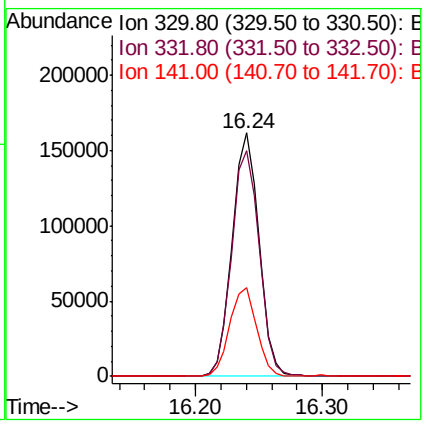


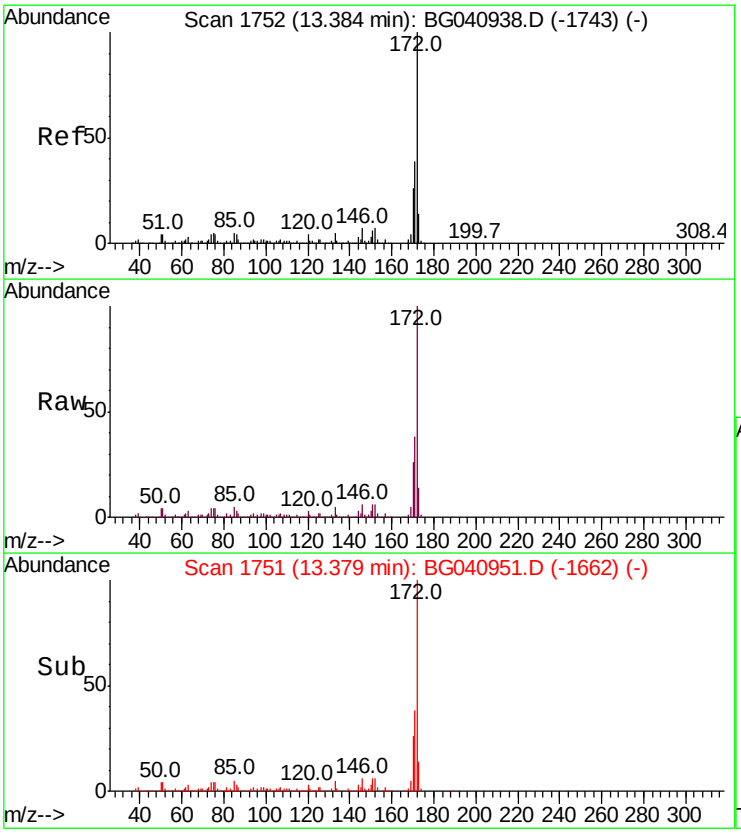
#42
2,4,6-Tribromophenol
Concen: 72.075 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:330 Resp: 235413

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.5	117.7
141	37.0	28.7	43.1

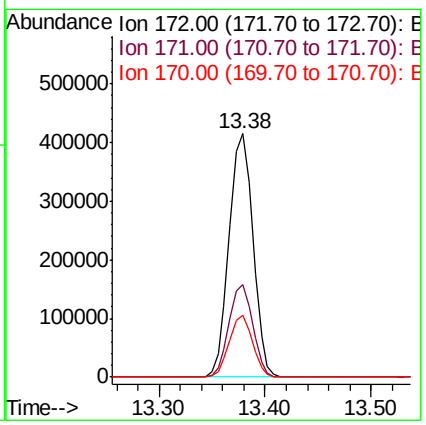


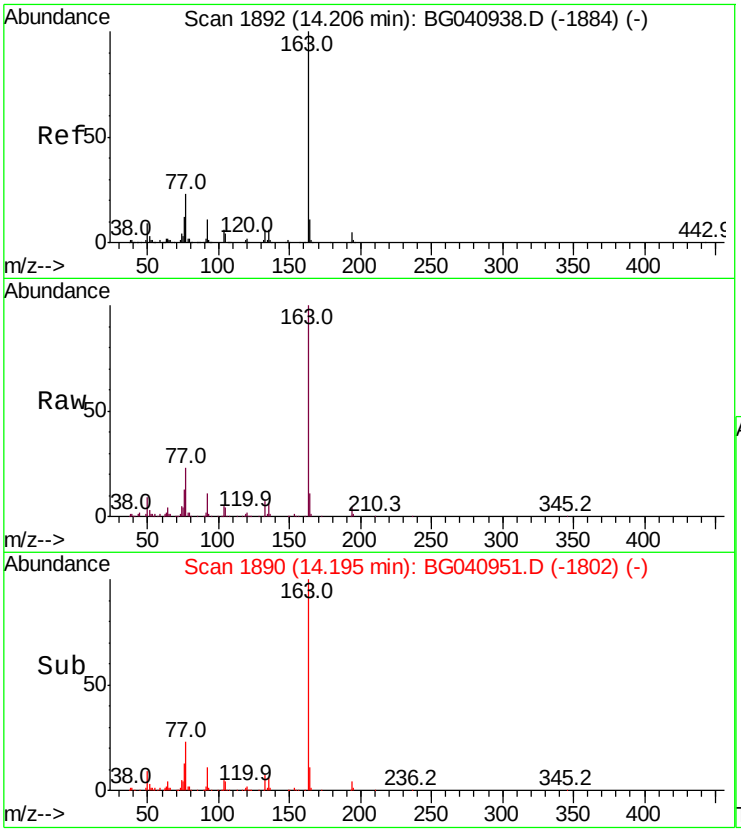


#45
2-Fluorobiphenyl
Concen: 42.370 ng
RT: 13.38 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:172 Resp: 647299

Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.1	46.7
170	25.6	20.5	30.7



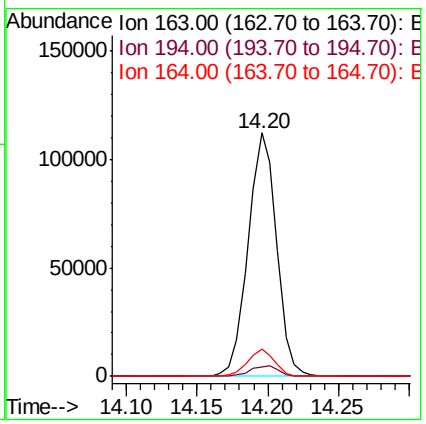


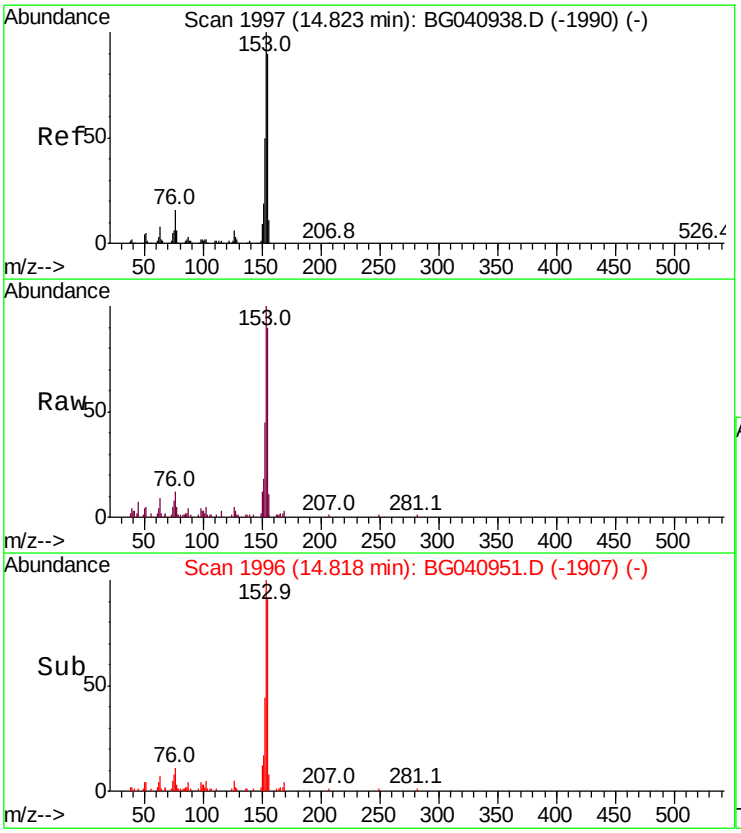
#50
Dimethylphthalate
Concen: 8.547 ng
RT: 14.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:163 Resp: 159183

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.8	5.8
164	11.0	8.7	13.1

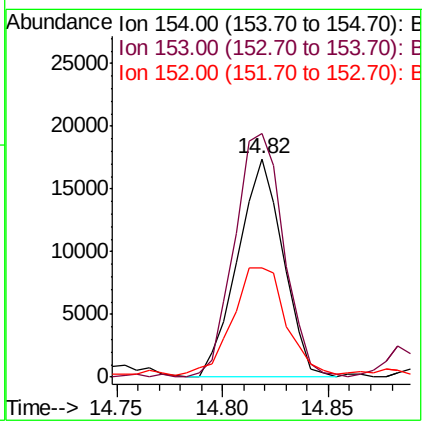


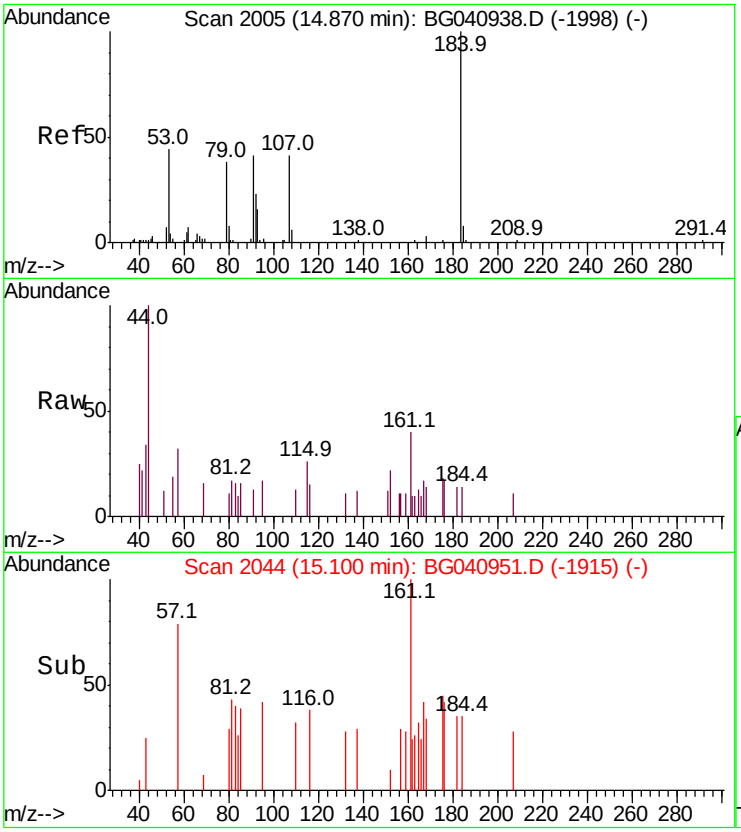


#52
Acenaphthene
Concen: 2.043 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:154 Resp: 26045

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.6	133.0
152	50.2	44.2	66.4



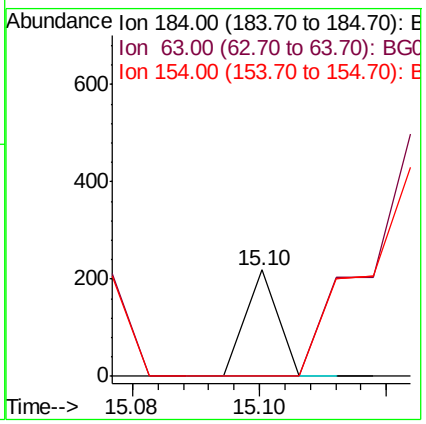


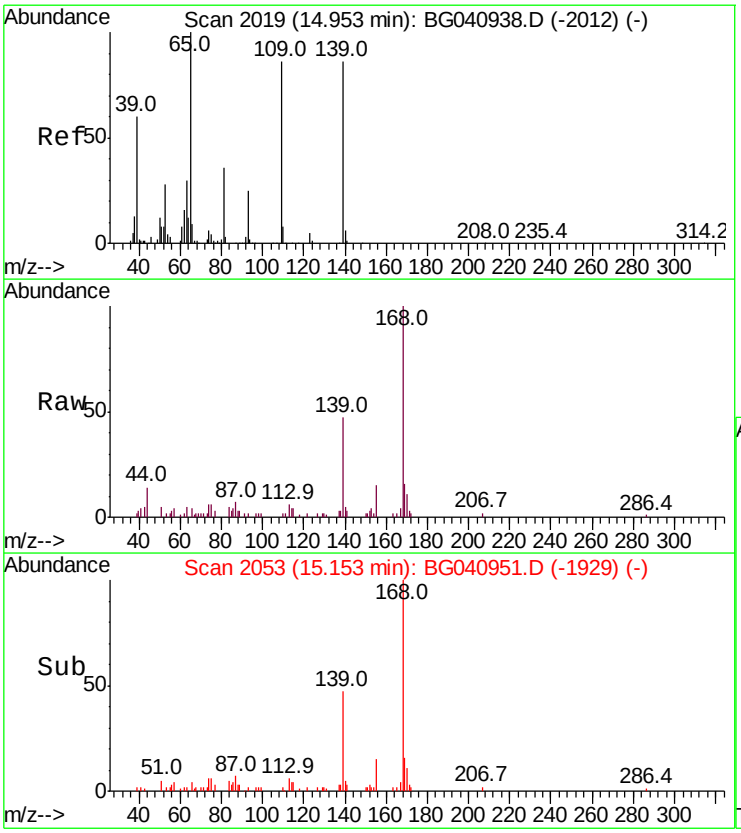
#54
2,4-Dinitrophenol
Concen: 8.297 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.23 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:184 Resp: 77

Ion	Ratio	Lower	Upper
184	100		
63	0.0	49.8	74.6#
154	0.0	52.2	78.4#

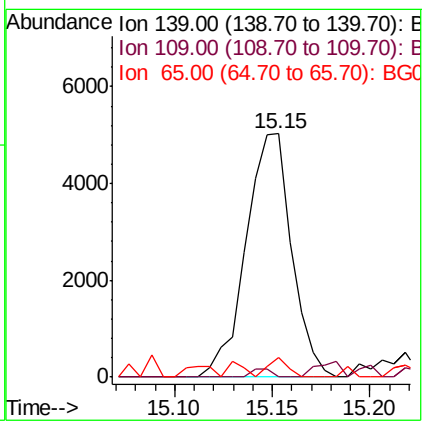


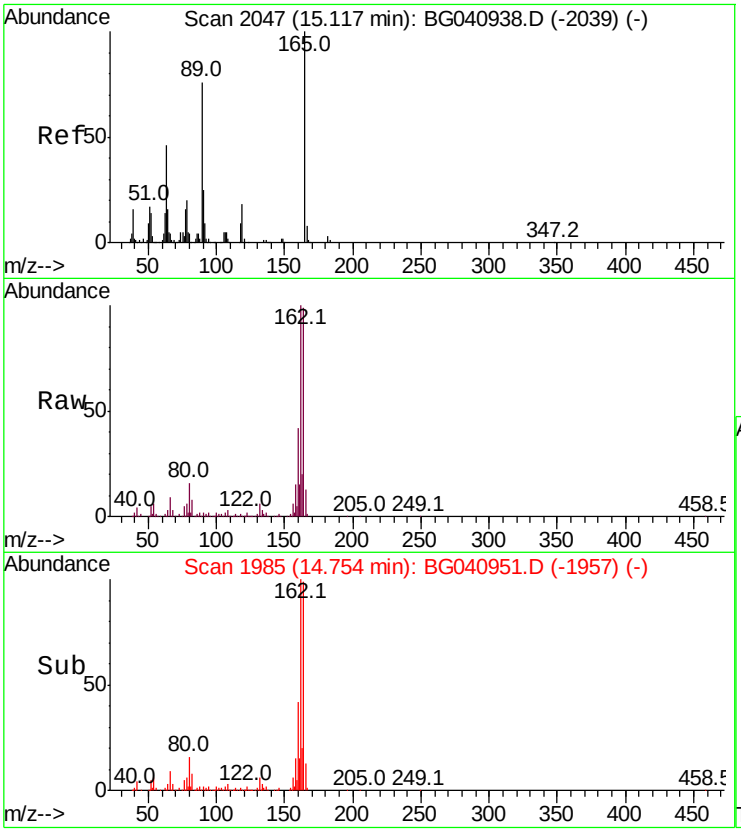


#56
4-Nitrophenol
Concen: 2.962 ng
RT: 15.15 min Scan# 2053
Delta R.T. 0.20 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:139 Resp: 8159

Ion	Ratio	Lower	Upper
139	100		
109	0.0	79.6	119.6#
65	7.8	96.9	136.9#



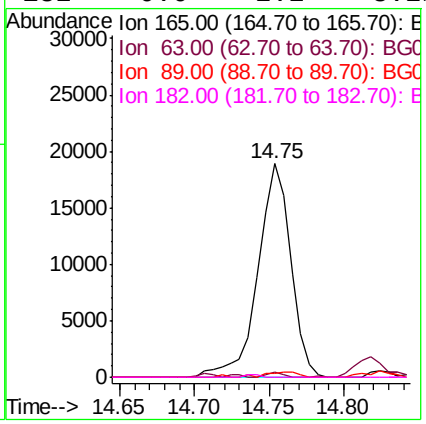


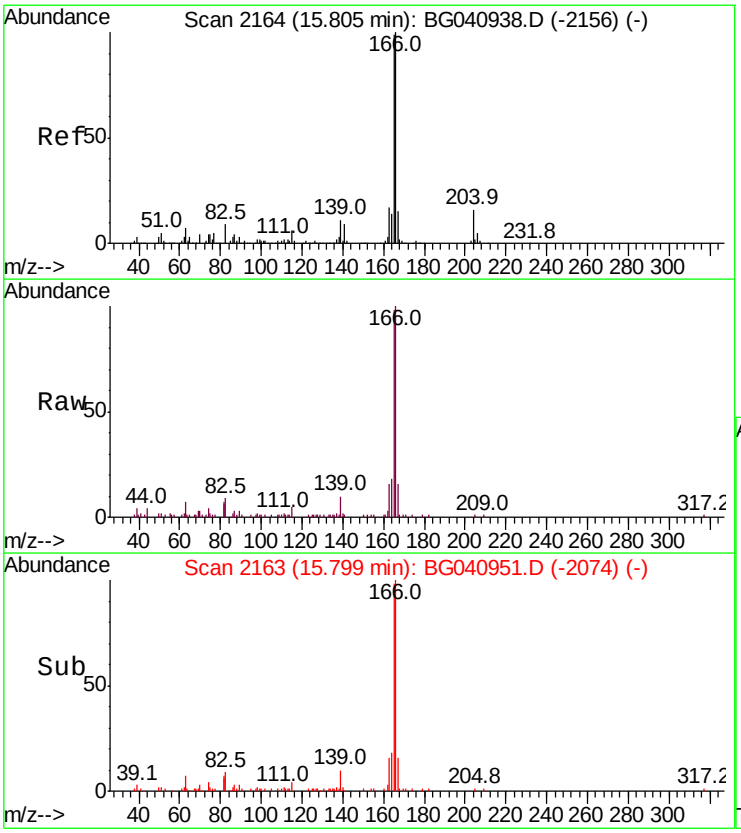
#57
2,4-Dinitrotoluene
Concen: 5.059 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.36 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:165 Resp: 28697

Ion	Ratio	Lower	Upper
165	100		
63	2.2	37.3	55.9#
89	1.7	61.0	91.6#
182	0.0	2.2	3.2#

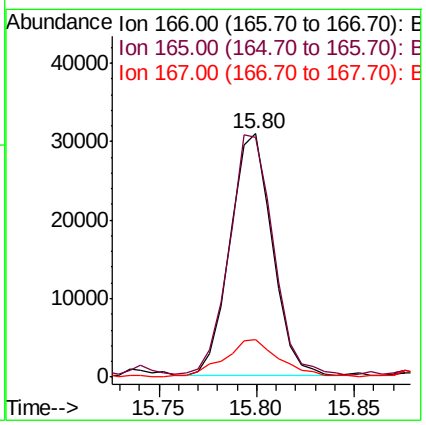


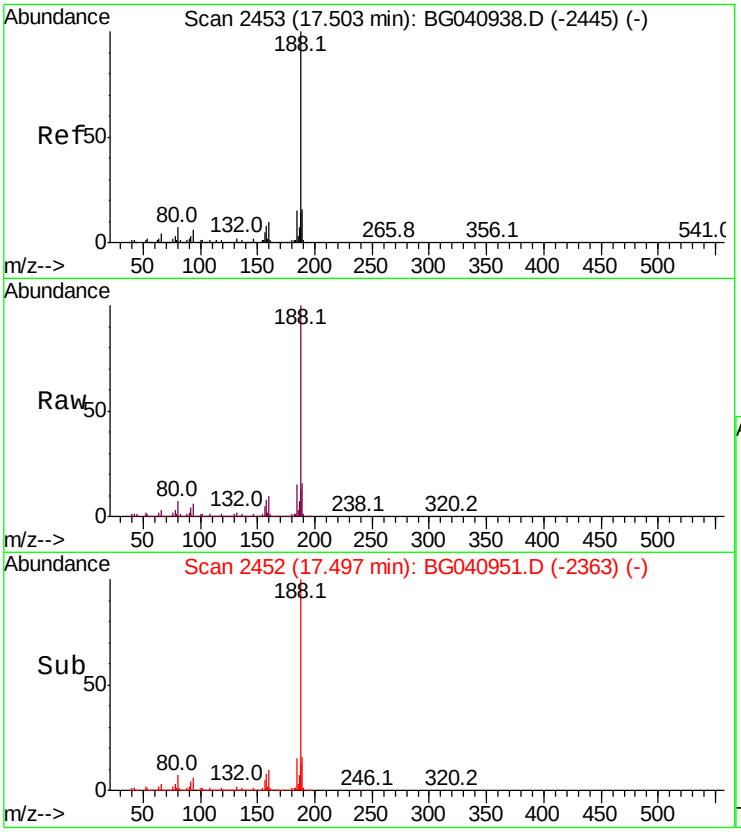


#58
Fluorene
Concen: 2.688 ng
RT: 15.80 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:166 Resp: 45923

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.2	118.8
167	15.6	11.8	17.6



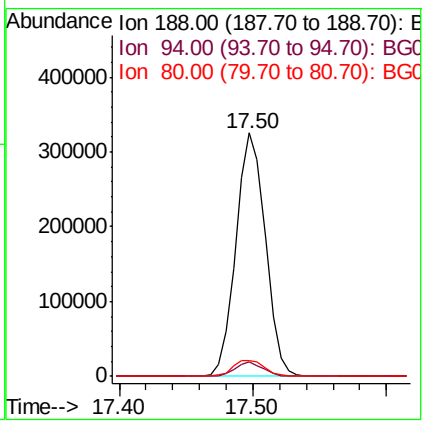


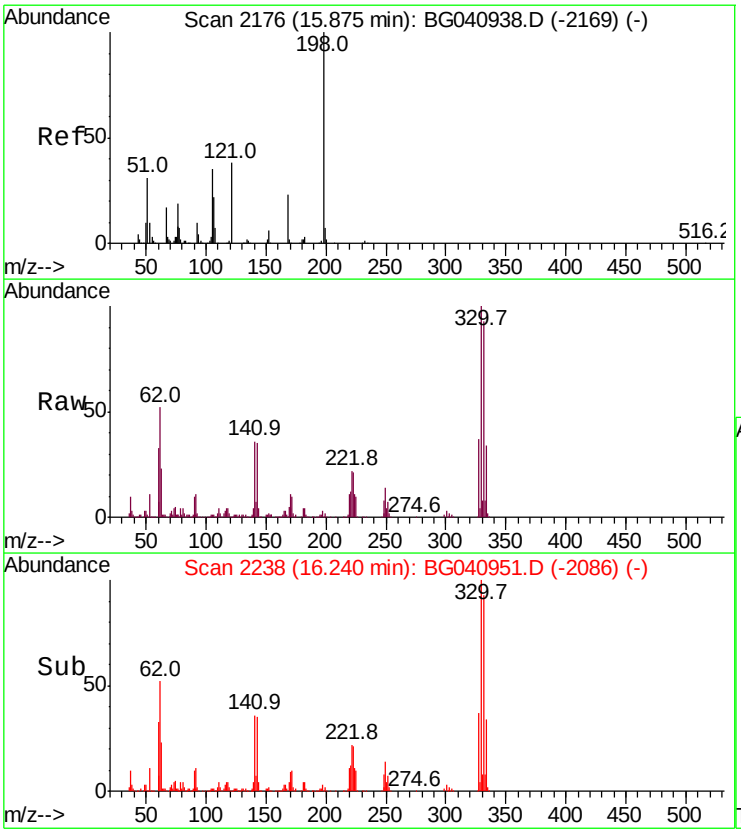
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:188 Resp: 494927

Ion	Ratio	Lower	Upper
188	100		
94	5.8	4.7	7.1
80	6.6	5.8	8.8

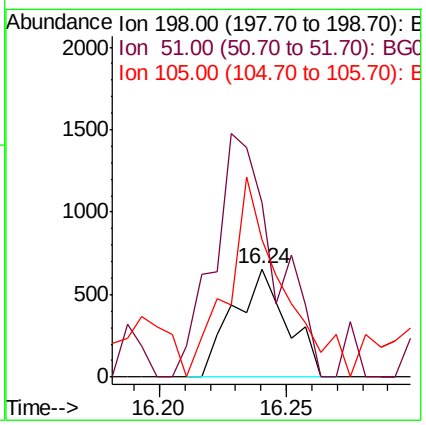


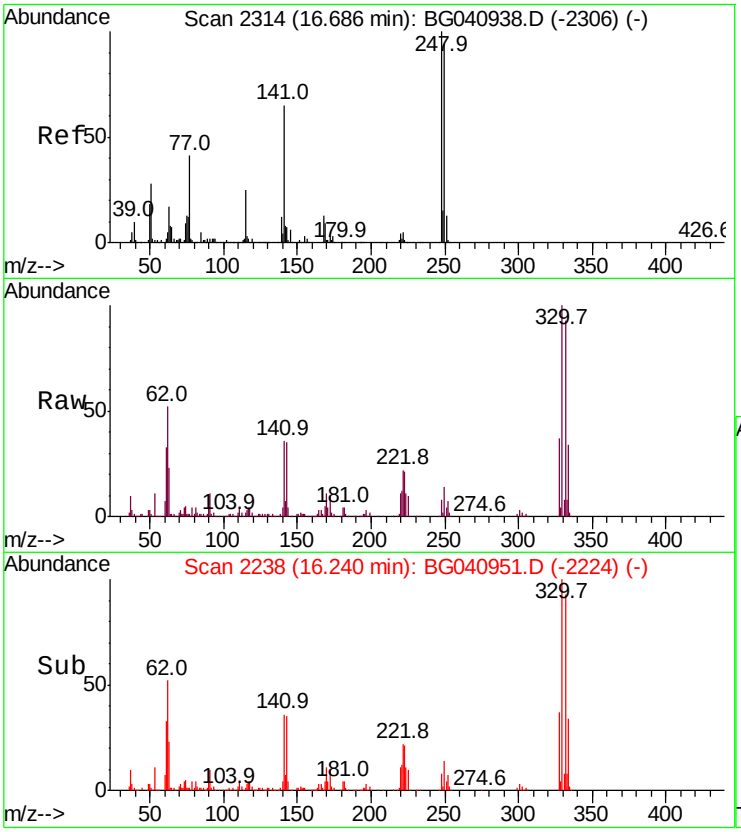


#65
4,6-Dinitro-2-methylphenol
Concen: 8.888 ng
RT: 16.24 min Scan# 2238
Delta R.T. 0.37 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:198 Resp: 965

Ion	Ratio	Lower	Upper
198	100		
51	160.9	21.6	61.6#
105	127.1	17.5	57.5#



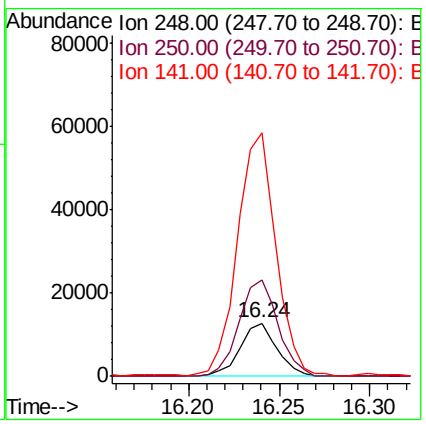


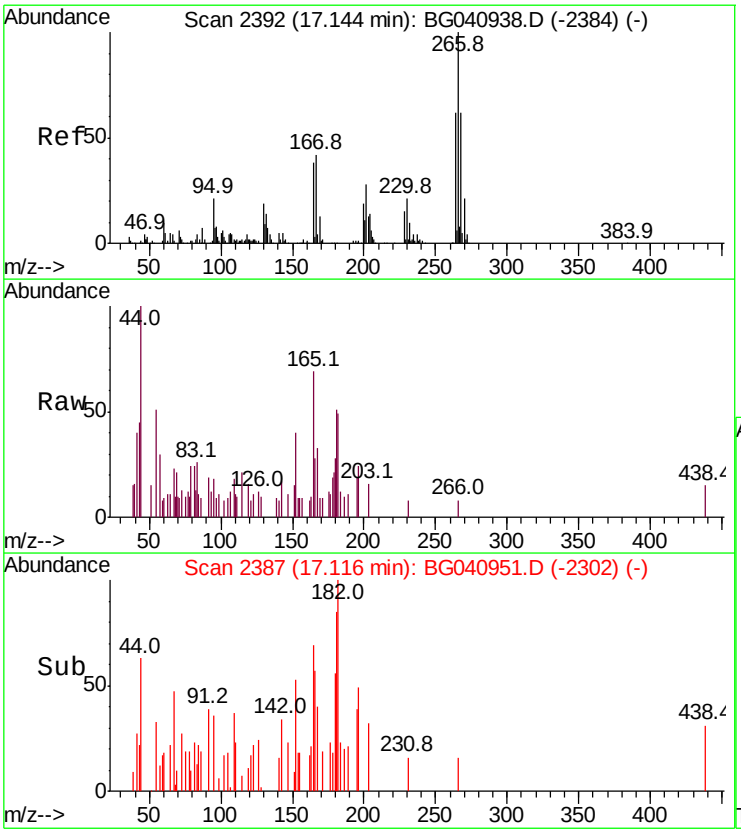
#67
4-Bromophenyl-phenylether
Concen: 2.717 ng
RT: 16.24 min Scan# 2238
Delta R.T. -0.45 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:248 Resp: 18147

Ion	Ratio	Lower	Upper
248	100		
250	180.6	75.0	112.4#
141	457.4	52.4	78.6#

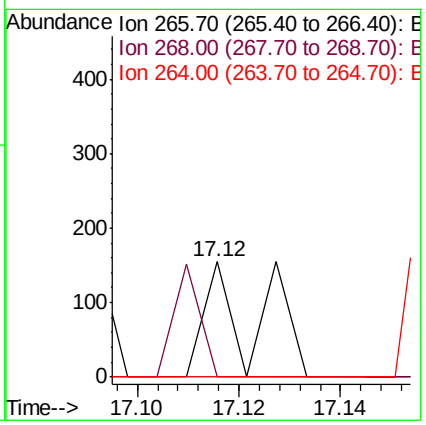


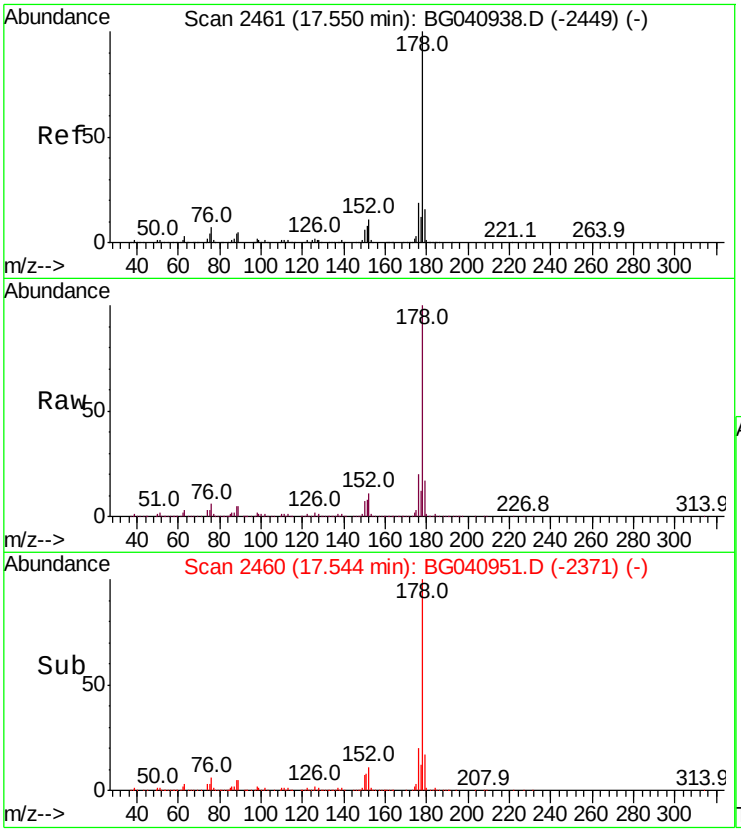


#70
Pentachlorophenol
Concen: 4.283 ng
RT: 17.12 min Scan# 2387
Delta R.T. -0.03 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:266 Resp: 109

Ion	Ratio	Lower	Upper
266	100		
268	0.0	53.1	79.7#
264	0.0	49.9	74.9#



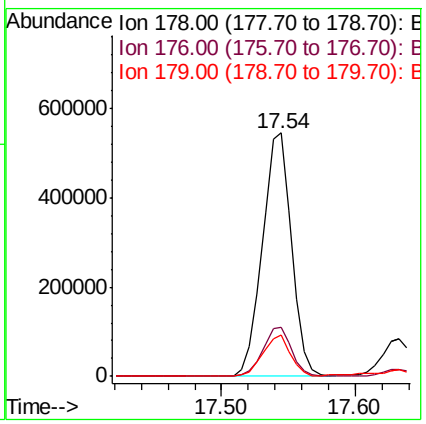


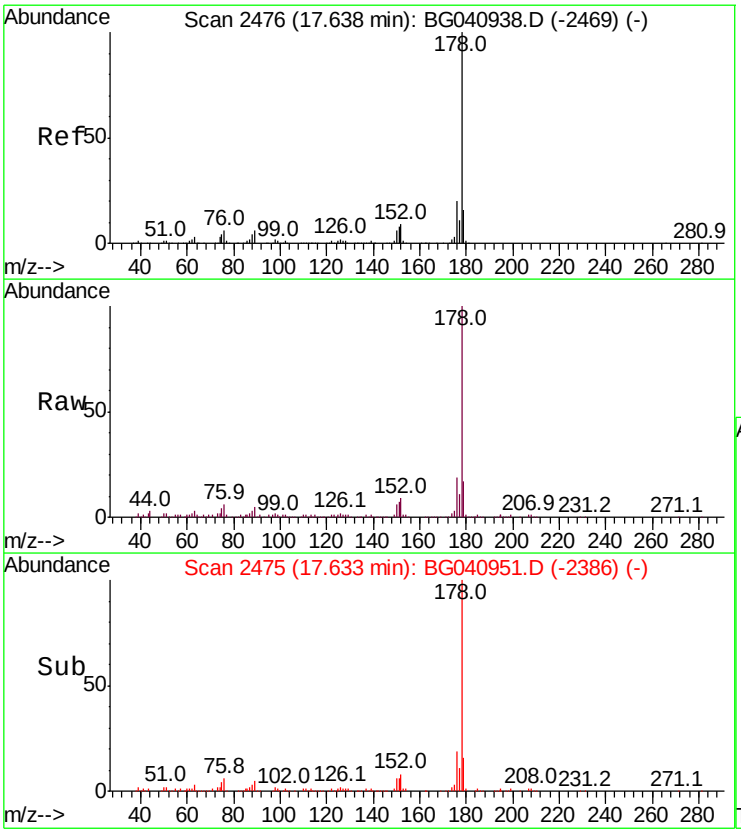
#71
Phenanthrene
Concen: 31.991 ng
RT: 17.54 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:178 Resp: 824728

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.7	12.7	19.1

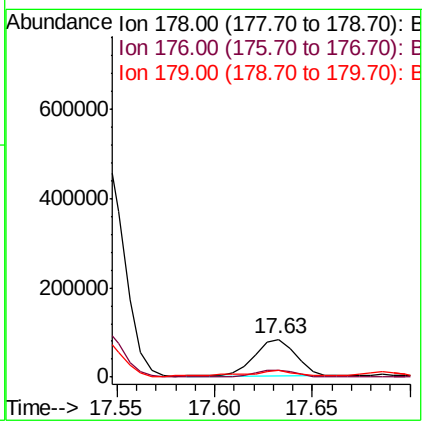


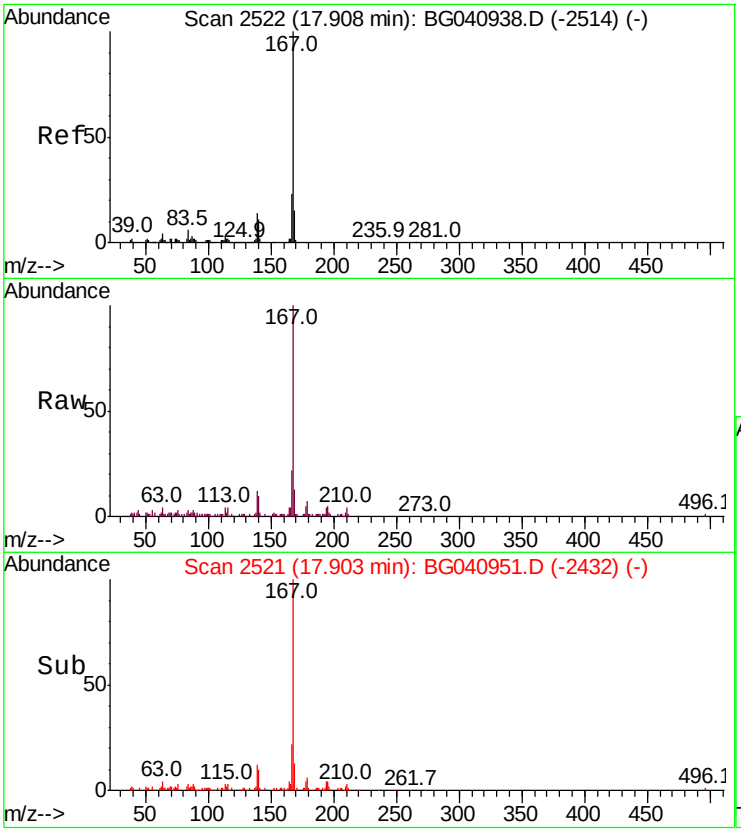


#72
Anthracene
Concen: 4.862 ng
RT: 17.63 min Scan# 2475
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:178 Resp: 123612

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	16.6	13.0	19.4



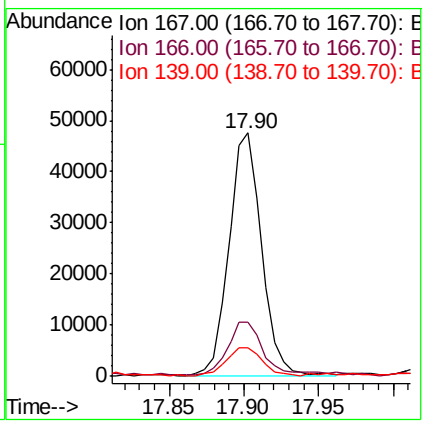


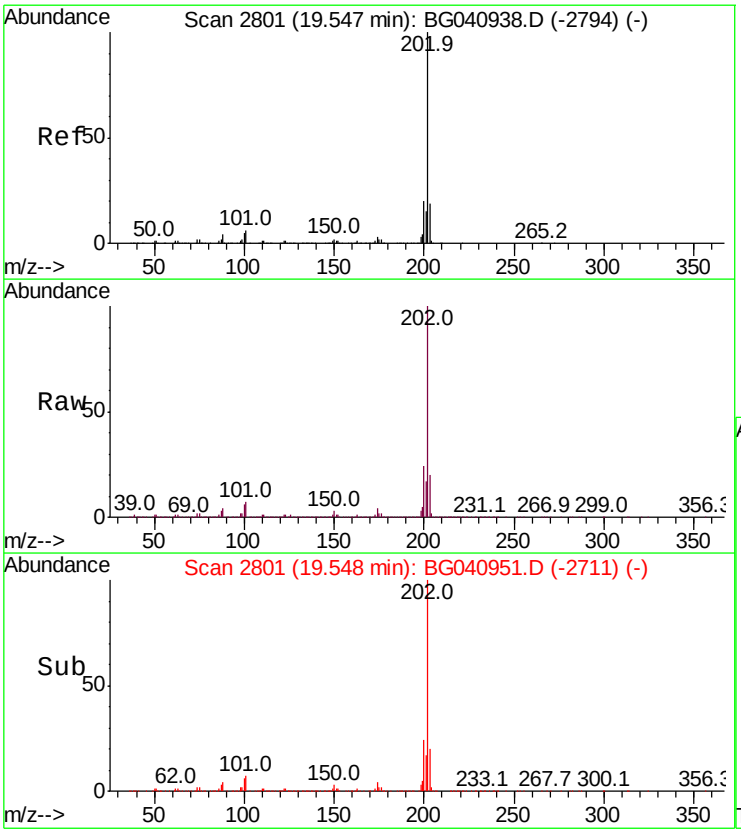
#73
Carbazole
Concen: 3.305 ng
RT: 17.90 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:167 Resp: 72109

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.4
139	11.7	10.8	16.2

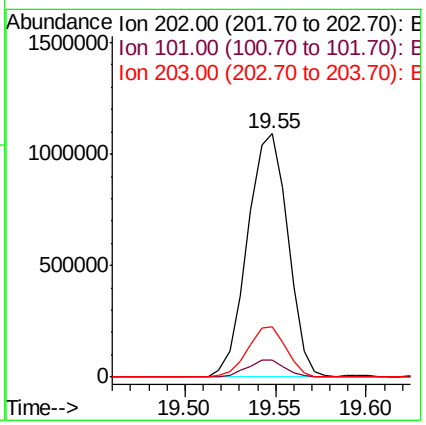


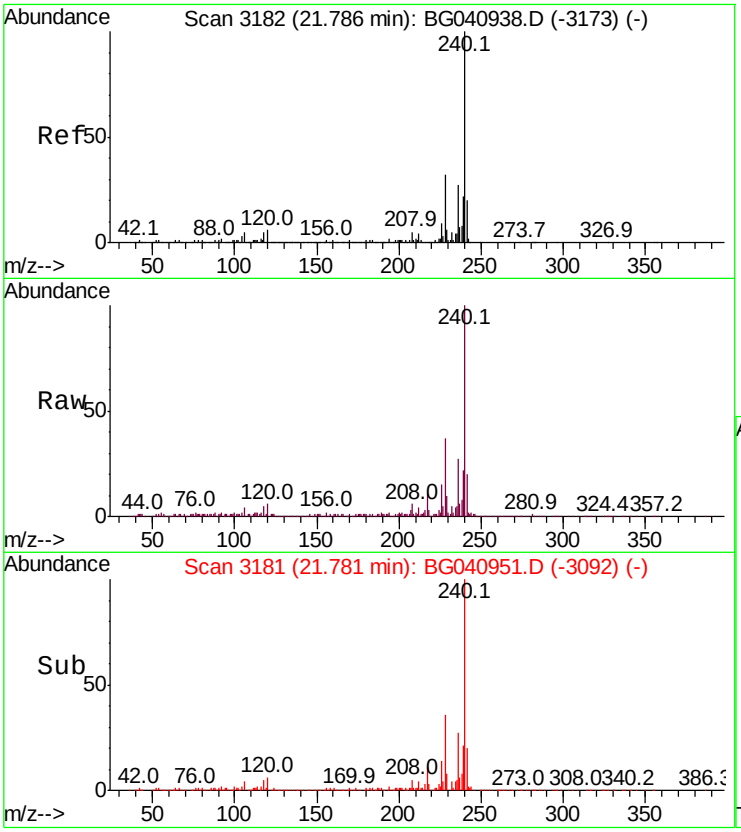


#75
Fluoranthene
Concen: 52.956 ng
RT: 19.55 min Scan# 2801
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:202 Resp: 1686269

Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	26.2
203	20.5	0.0	38.7



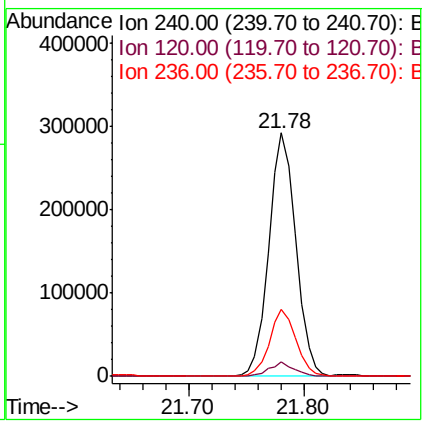


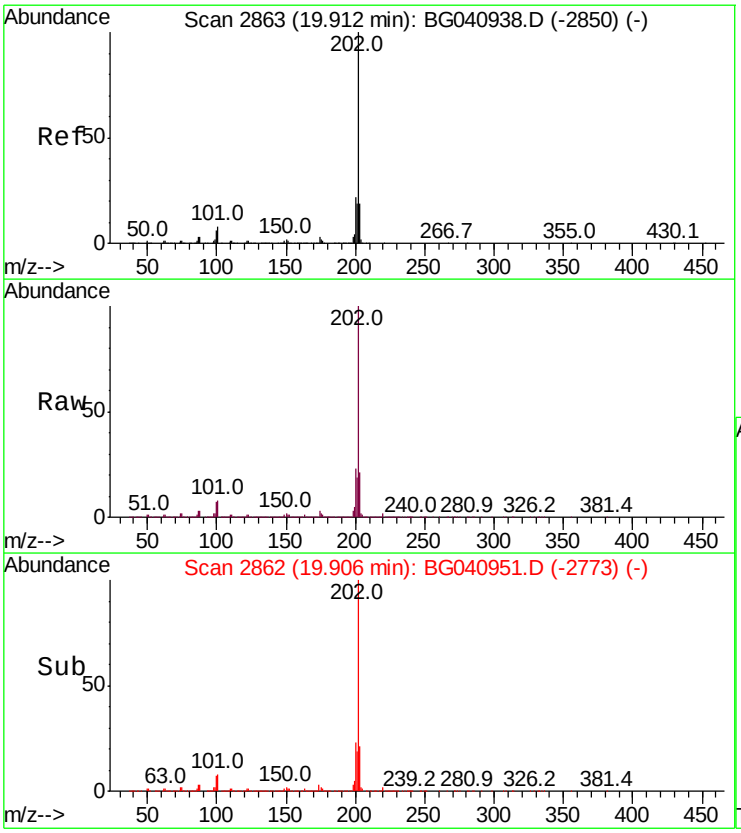
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:240 Resp: 475524

Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.5	6.7
236	27.4	21.3	31.9

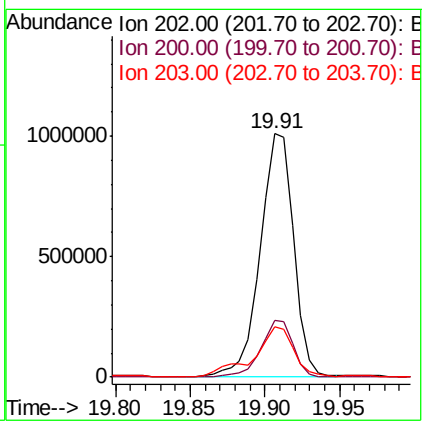


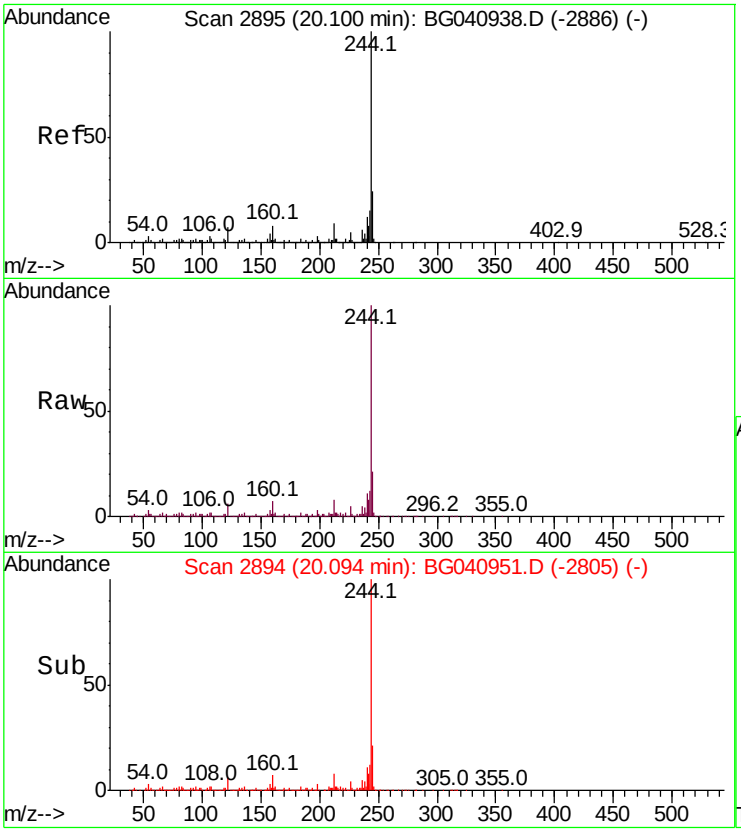


#78
Pyrene
Concen: 50.614 ng
RT: 19.91 min Scan# 2862
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:202 Resp: 1564583

Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.5	26.3
203	20.8	15.6	23.4



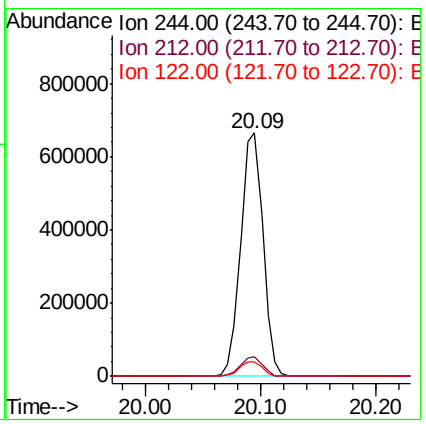


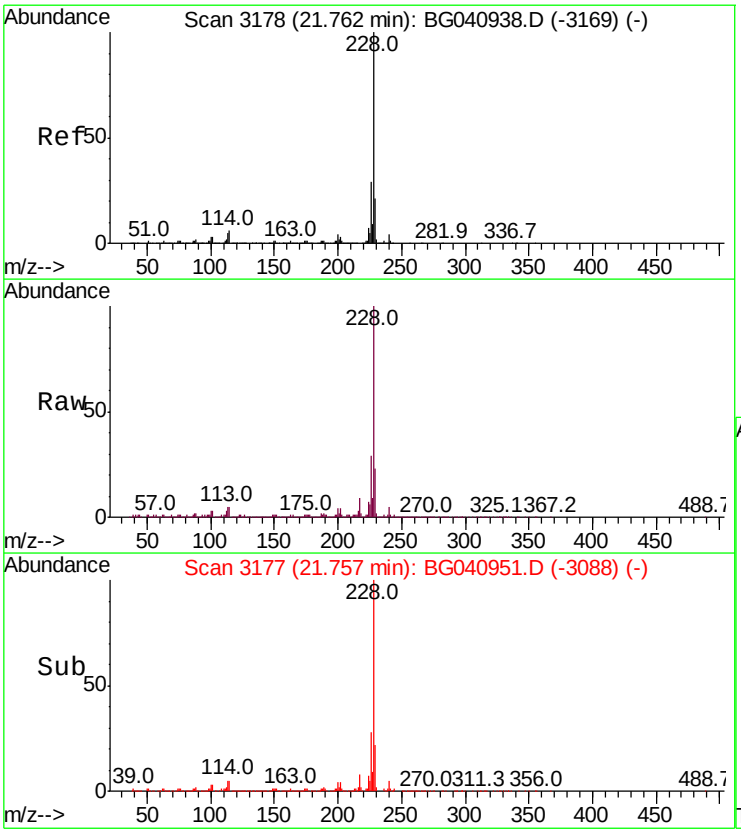
#79
Terphenyl-d14
Concen: 39.818 ng
RT: 20.09 min Scan# 2894
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:244 Resp: 892142

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	6.0	5.4	8.0

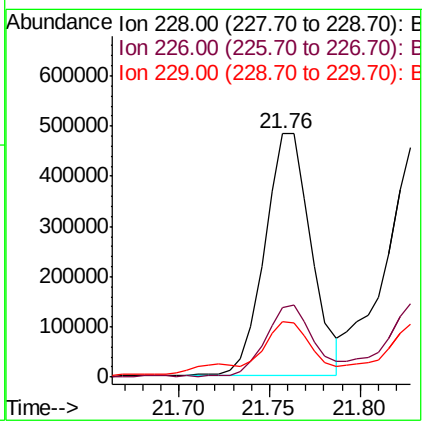


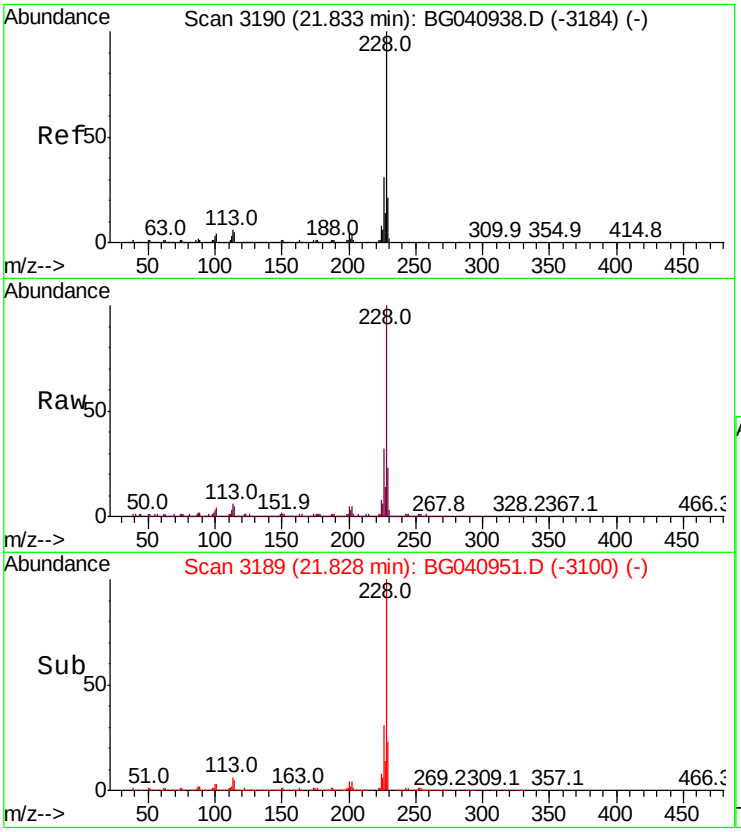


#81
Benzo(a)anthracene
Concen: 27.184 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:228 Resp: 860466

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.5	35.3
229	22.9	16.7	25.1



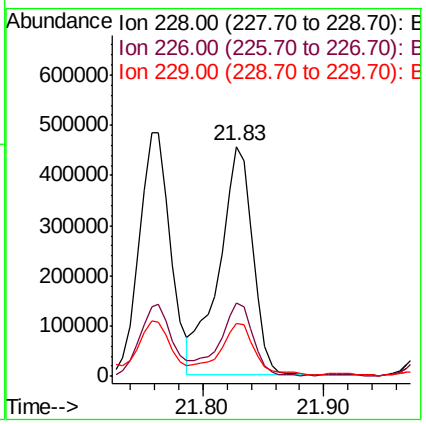


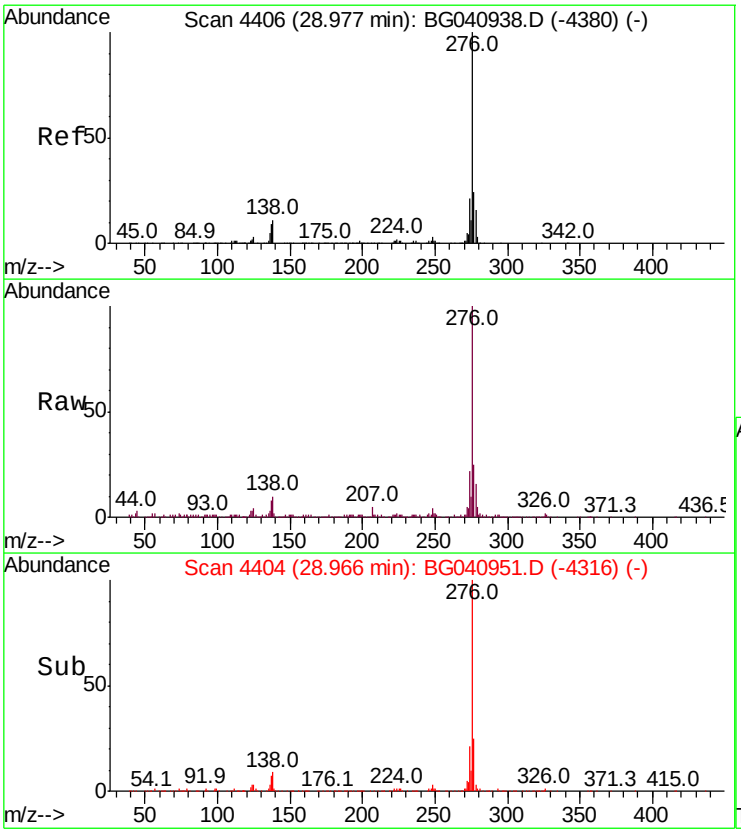
#83
Chrysene
Concen: 29.255 ng
RT: 21.83 min Scan# 3189
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:228 Resp: 886165

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.6	37.0
229	23.2	16.6	24.8

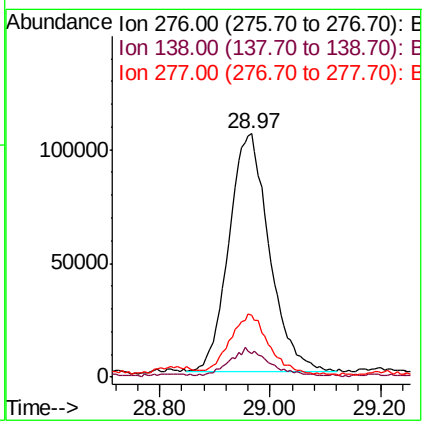


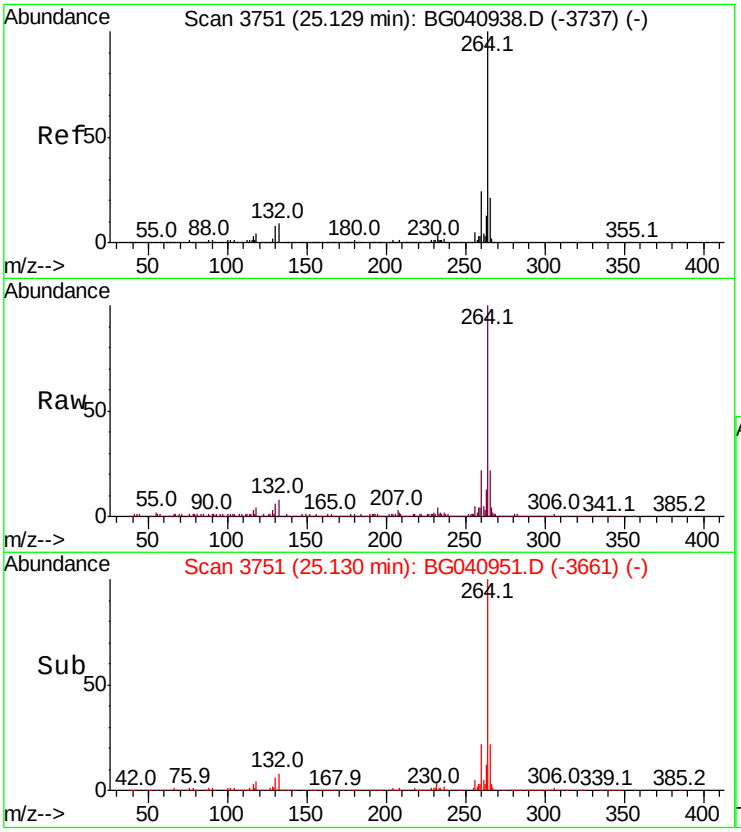


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.443 ng
RT: 28.97 min Scan# 4404
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:276 Resp: 535923

Ion	Ratio	Lower	Upper
276	100		
138	11.3	5.7	8.5#
277	24.4	20.8	31.2



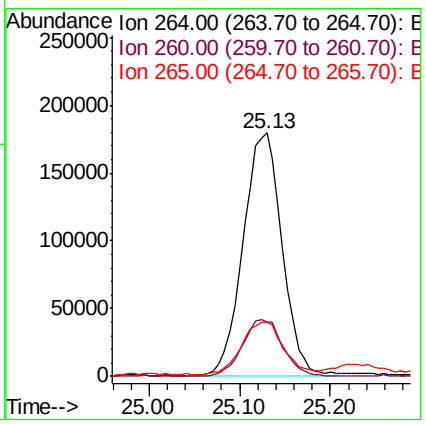


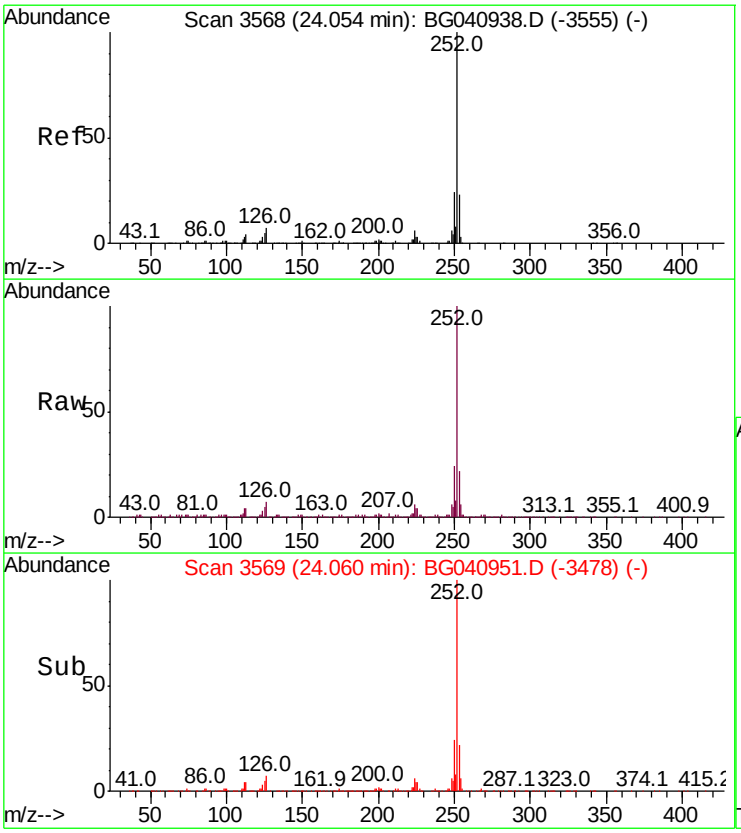
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.13 min Scan# 3751
Delta R.T. 0.00 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:264 Resp: 531209

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.0	28.4
265	22.4	17.0	25.4

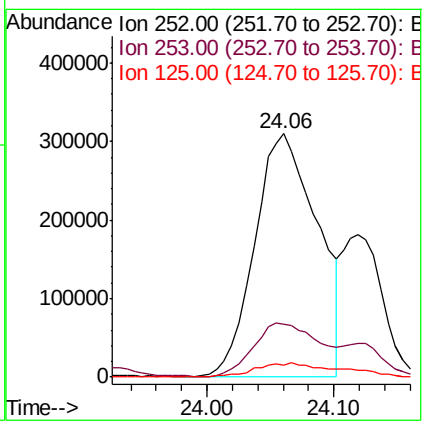


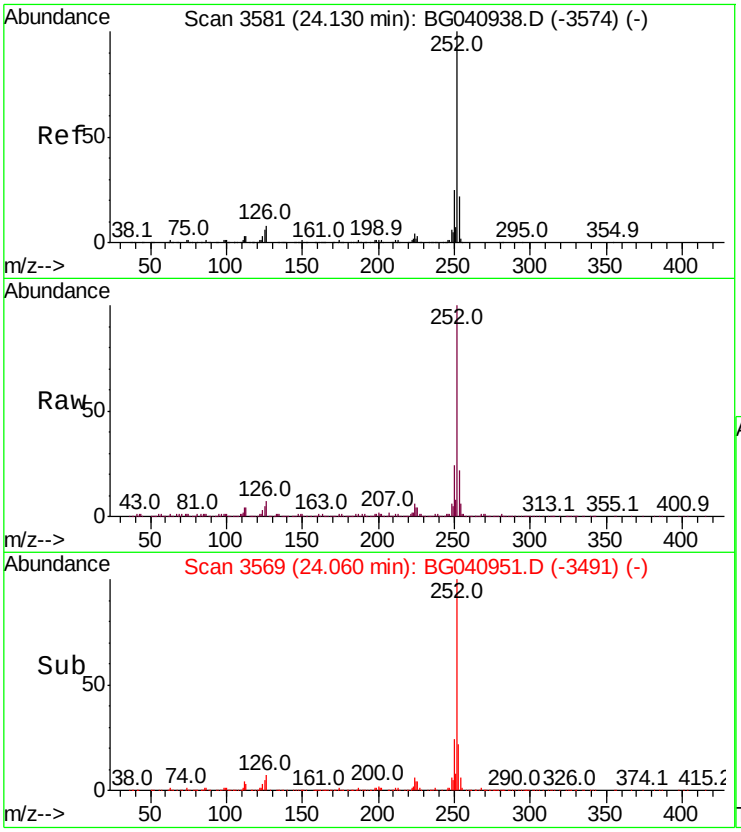


#88
Benzo(b)fluoranthene
Concen: 32.966 ng
RT: 24.06 min Scan# 3569
Delta R.T. 0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:252 Resp: 1062140

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	5.1	4.3	6.5



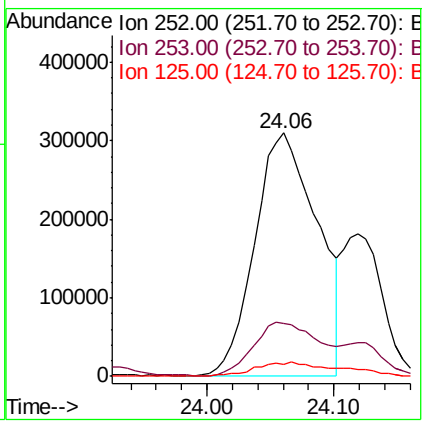


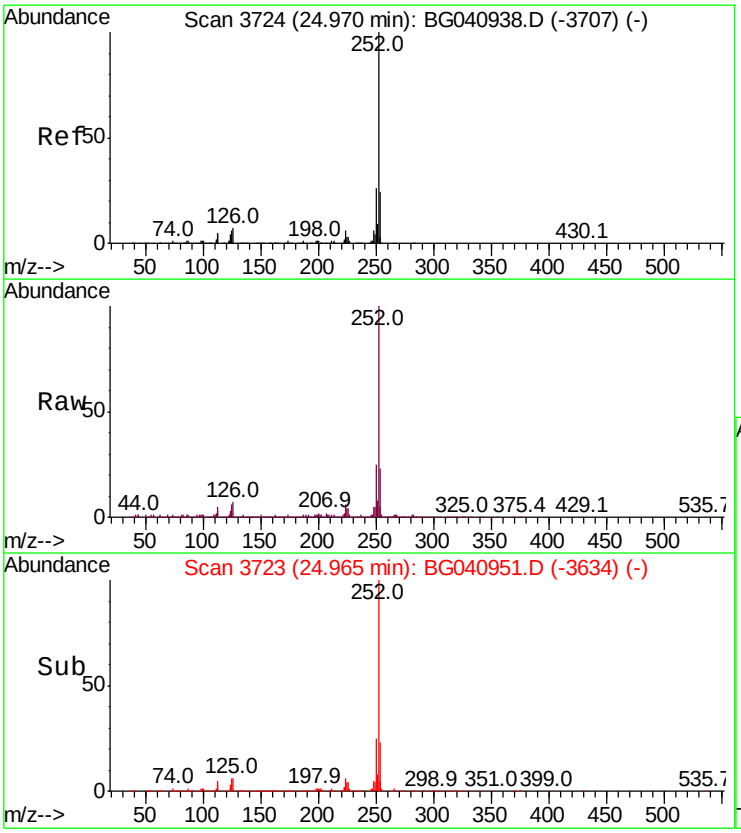
#89
Benzo(k)fluoranthene
Concen: 33.313 ng
RT: 24.06 min Scan# 3569
Delta R.T. -0.07 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:252 Resp: 1062140

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	5.1	4.7	7.1

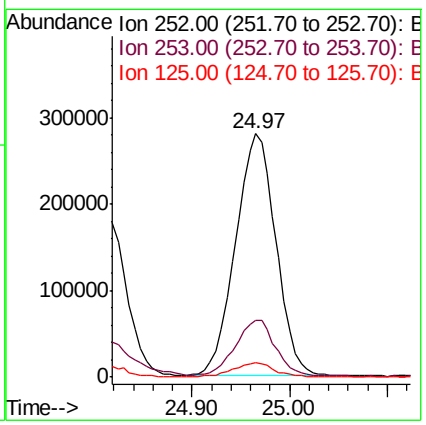


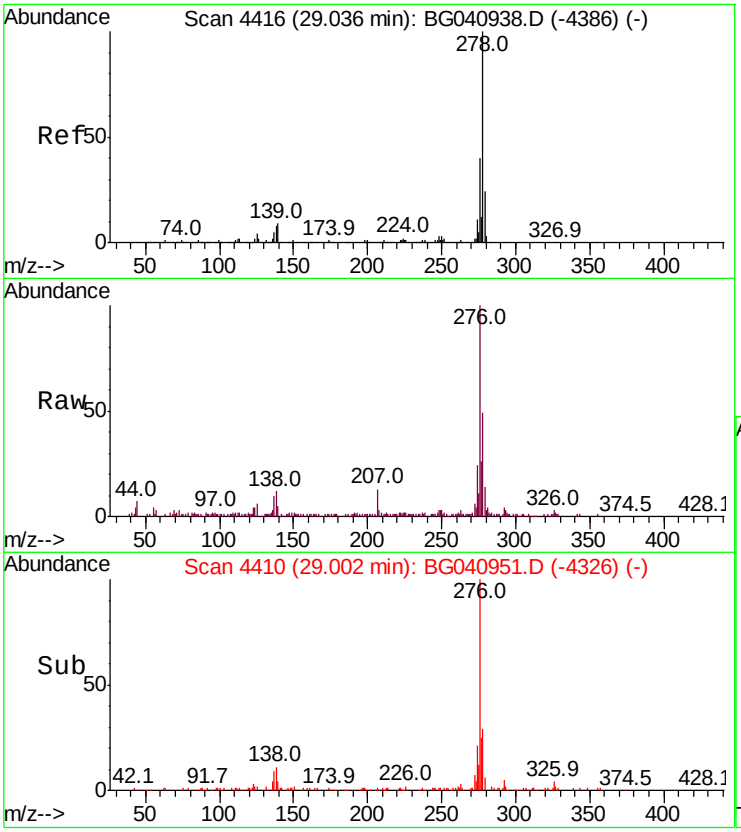


#90
Benzo(a)pyrene
Concen: 26.275 ng
RT: 24.97 min Scan# 3723
Delta R.T. -0.01 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:252 Resp: 807691

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	6.0	5.1	7.7



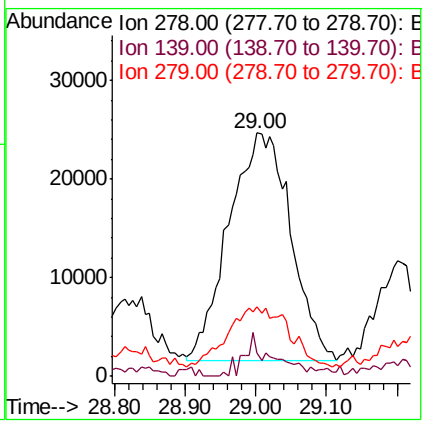


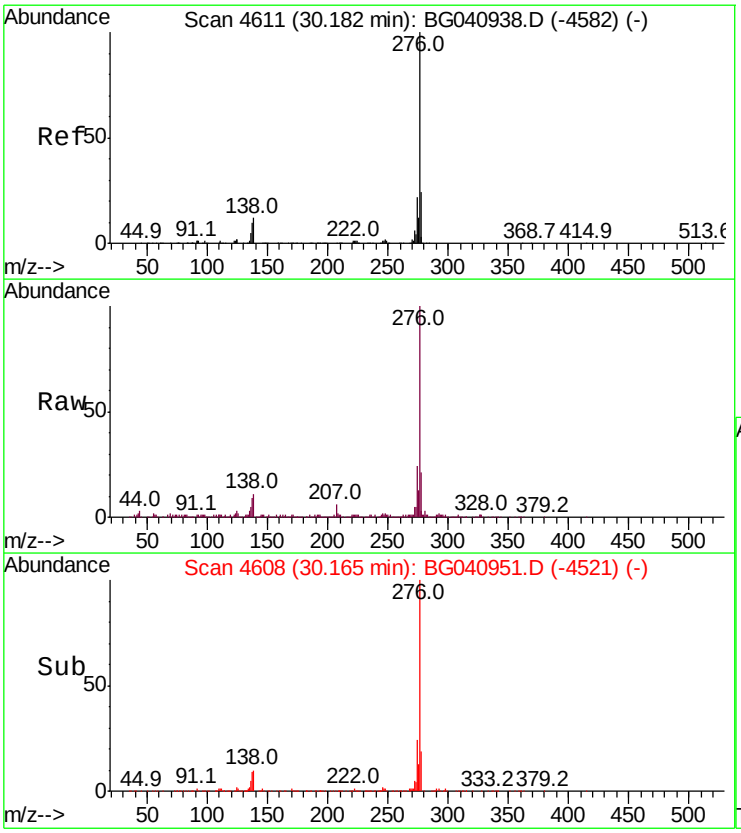
#91
Dibenzo(a,h)anthracene
Concen: 4.561 ng
RT: 29.00 min Scan# 4410
Delta R.T. -0.03 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Instrument :
BNA_G
ClientSampleId :
FESB-18(2.5-3.0)

Tgt Ion:278 Resp: 140089

Ion	Ratio	Lower	Upper
278	100		
139	9.6	7.1	10.7
279	28.4	19.4	29.2





#92
Benzo(g,h,i)perylene
Concen: 8.130 ng
RT: 30.16 min Scan# 4608
Delta R.T. -0.02 min
Lab File: BG040951.D
Acq: 30 May 2019 14:29

Tgt Ion:276 Resp: 242593

Ion	Ratio	Lower	Upper
276	100		
277	21.5	19.4	29.0
138	10.8	9.7	14.5