Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022438.D
Acq On : 19 Jun 2016 00:38
Operator : UM/SJ
Sample : H3471-28
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : STA-1172-(0-4)

Quant Time: Jun 20 01:27:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	34497	20.00	ng		-0.05
21) Naphthalene-d8	10.86	136	176231	20.00	ng		-0.04
38) Acenaphthene-d10	14.68	164	90804	20.00	ng		-0.04
63) Phenanthrene-d10	17.43	188	171909	20.00	ng		-0.04
75) Chrysene-d12	21.70	240	148387	20.00	ng		-0.04
86) Perylene-d12	24.95	264	135608	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	288205	161.53	ng		-0.03
7) Phenol-d6	7.23	99	437238	155.86	ng		-0.02
23) Nitrobenzene-d5	9.22	82	238878	94.50	ng		-0.04
41) 2,4,6-Tribromophenol	16.18	330	110542	107.74	ng		-0.04
44) 2-Fluorobiphenyl	13.30	172	510838	85.73	ng		-0.04
78) Terphenyl-d14	20.02	244	451643	72.26	ng		-0.04
Target Compounds							Qvalue
31) Naphthalene	10.91	128	18622	2.12	ng		97
32) Benzoic acid	10.36	122	115	7.41	ng	#	1
48) Acenaphthylene	14.41	152	165805	18.04	ng		98
49) Dimethylphthalate	14.13	163	134286	17.84	ng		99
51) Acenaphthene	14.74	154	20885	3.79	ng	#	89
54) Dibenzofuran	15.08	168	30278	3.52	ng		95
55) 4-Nitrophenol	15.08	139	11442	9.13	ng	#	7
57) Fluorene	15.73	166	56131	7.58	ng		95
70) Phenanthrene	17.47	178	893022	95.64	ng		95
71) Anthracene	17.56	178	160974	17.38	ng		97
72) Carbazole	17.84	167	60328	6.88	ng		96
74) Fluoranthene	19.48	202	1607840	149.79	ng		88
77) Pyrene	19.84	202	1219084	132.15	ng		95
80) Benzo(a)anthracene	21.68	228	733156	88.11	ng		95
82) Chrysene	21.75	228	599093	73.99	ng		96
85) Indeno(1,2,3-cd)pyrene	28.67	276	283944	31.26	ng	#	86
87) Benzo(b)fluoranthene	23.92	252	837111	105.84	ng	#	93
88) Benzo(k)fluoranthene	23.92	252	837111	107.52	ng	#	93
89) Benzo(a)pyrene	24.80	252	519801	68.74	ng	#	91
90) Dibenzo(a,h)anthracene	28.71	278	60305	8.47	ng	#	84
91) Benzo(g,h,i)perylene	29.84	276	216629	29.23	ng	#	94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
Data File : BG022438.D
Acq On : 19 Jun 2016 00:38
Operator : UM/SJ
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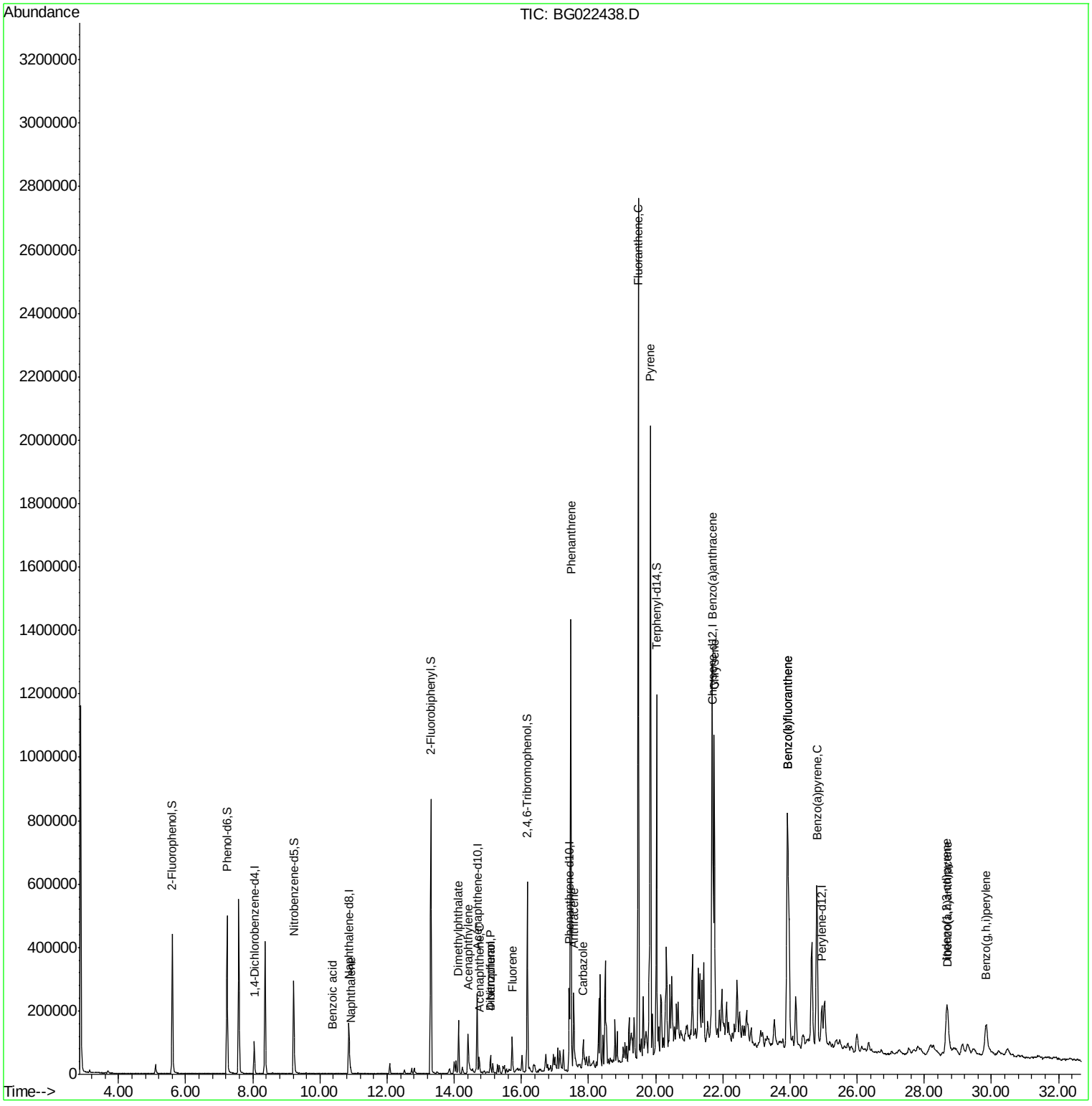
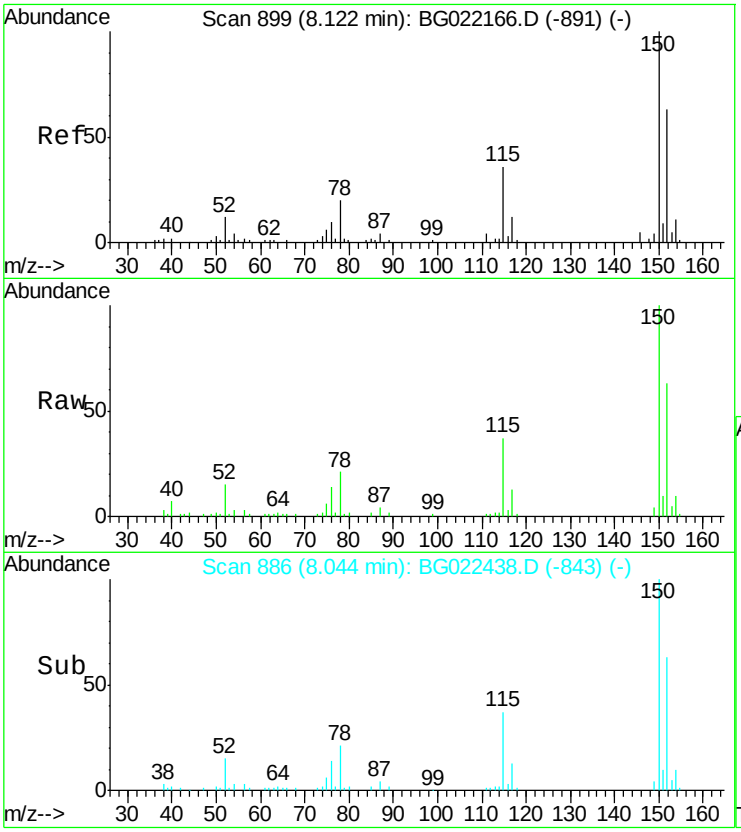
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Quant Time: Jun 20 01:27:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 17:40:23 2016
Response via : Initial Calibration



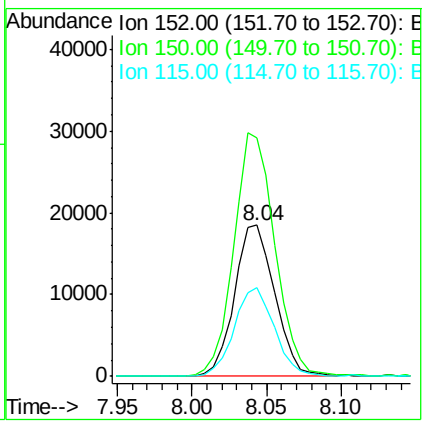


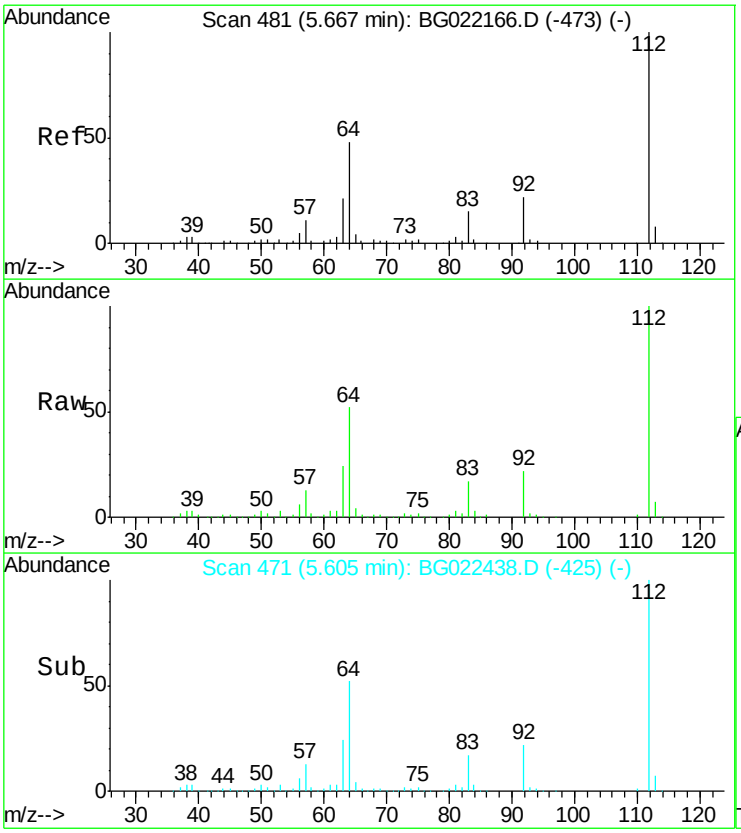
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 886
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:152 Resp: 34497

Ion	Ratio	Lower	Upper
152	100		
150	157.8	130.1	195.1
115	58.9	62.2	93.2#

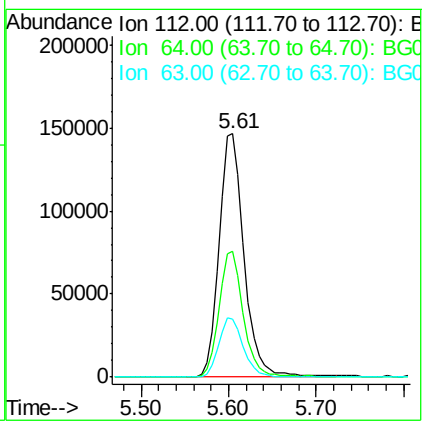


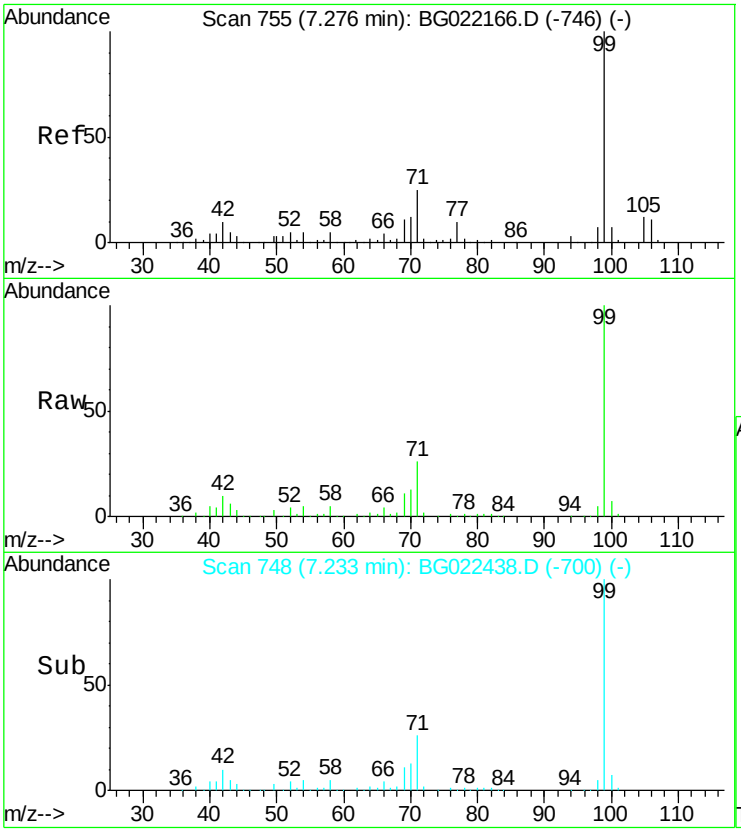


#5
2-Fluorophenol
Concen: 161.53 ng
RT: 5.61 min Scan# 471
Delta R.T. -0.03 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:112 Resp: 288205

Ion	Ratio	Lower	Upper
112	100		
64	51.6	51.1	76.7
63	24.1	24.6	37.0#



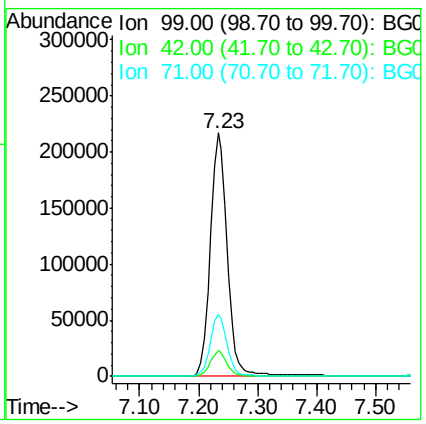


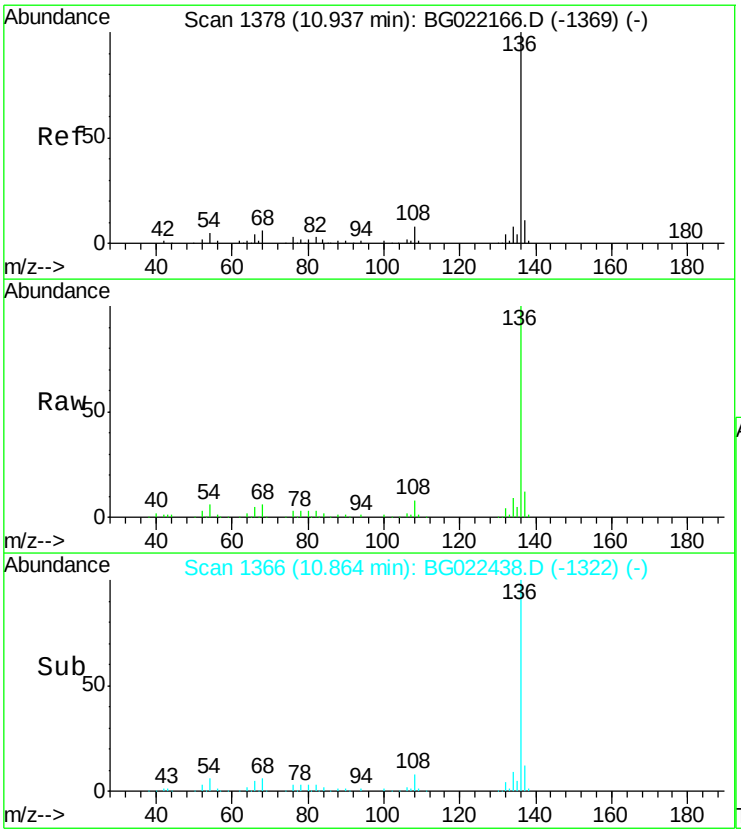
#7
Phenol-d6
Concen: 155.86 ng
RT: 7.23 min Scan# 748
Delta R.T. -0.02 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion: 99 Resp: 437238

Ion	Ratio	Lower	Upper
99	100		
42	10.4	16.4	24.6#
71	25.6	25.0	37.4

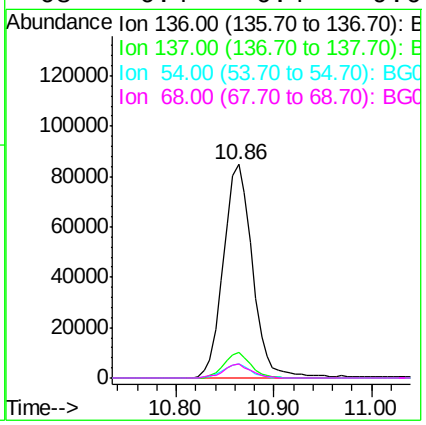


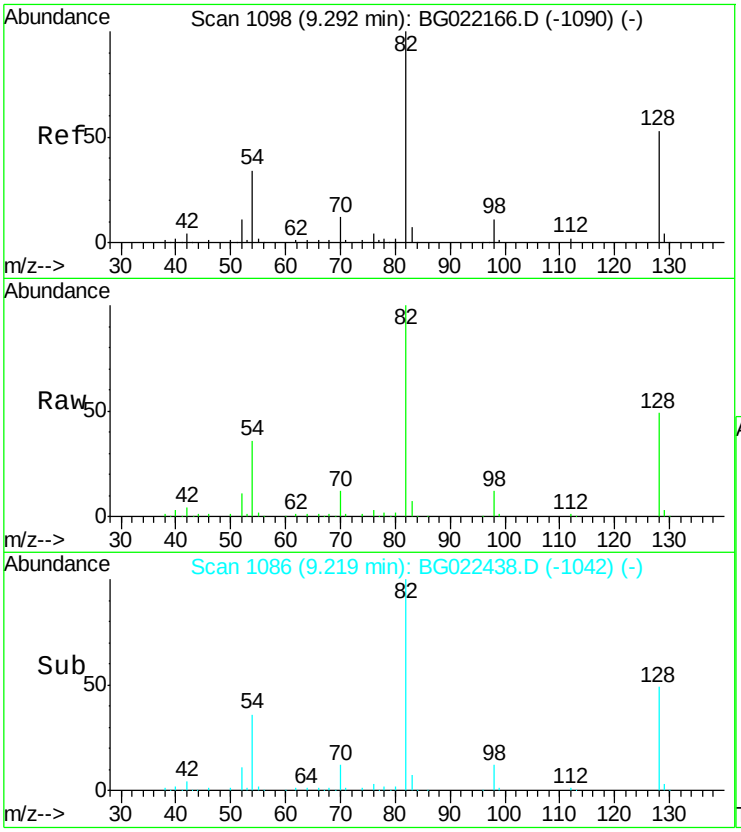


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1366
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:136 Resp: 176231

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.4
54	6.4	9.6	14.4#
68	6.4	6.4	9.6



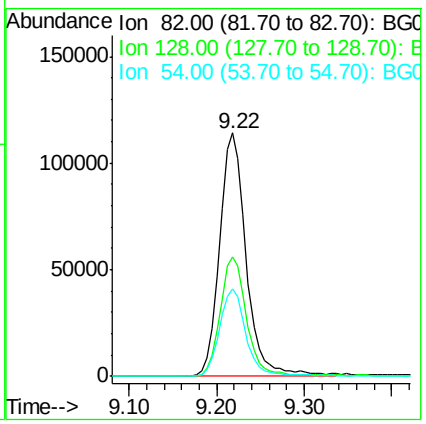


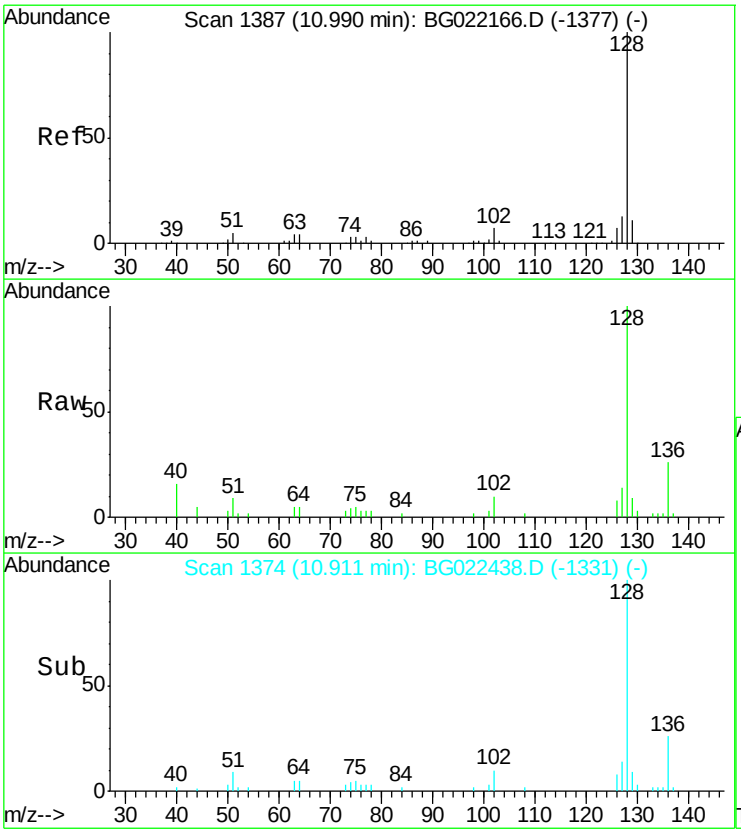
#23
Nitrobenzene-d5
Concen: 94.50 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion: 82 Resp: 238878

Ion	Ratio	Lower	Upper
82	100		
128	49.3	33.4	50.0
54	36.1	46.1	69.1#

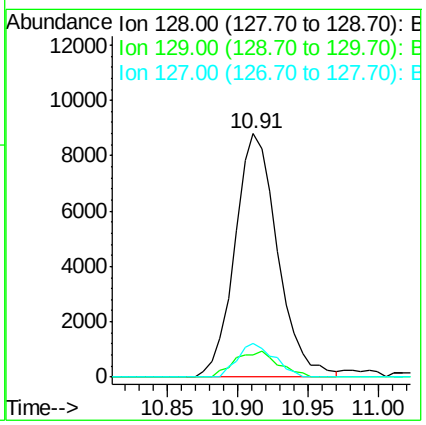


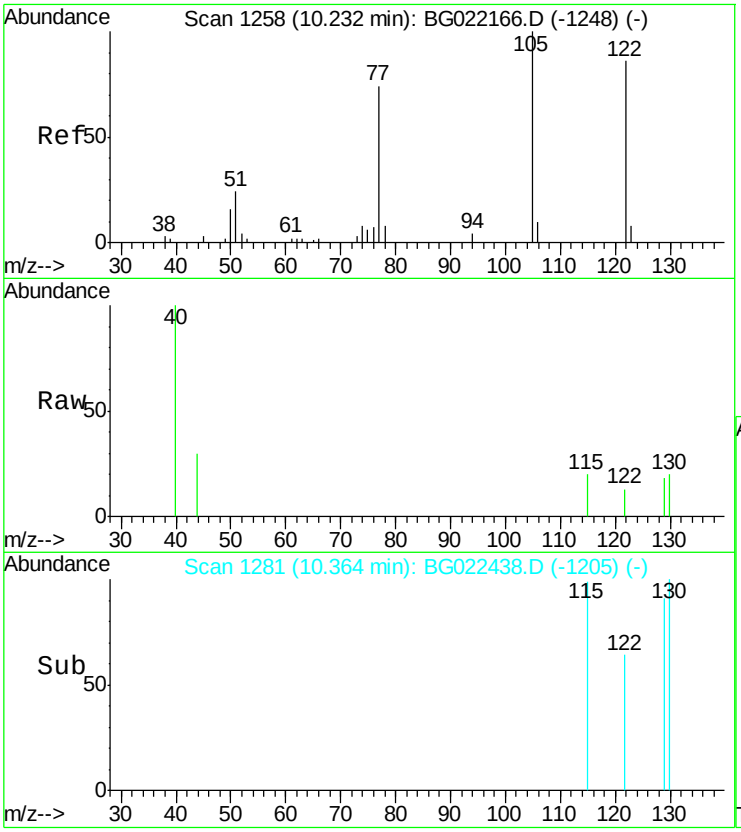


#31
Naphthalene
Concen: 2.12 ng
RT: 10.91 min Scan# 1374
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:128 Resp: 18622

Ion	Ratio	Lower	Upper
128	100		
129	9.3	7.0	10.6
127	14.0	10.1	15.1



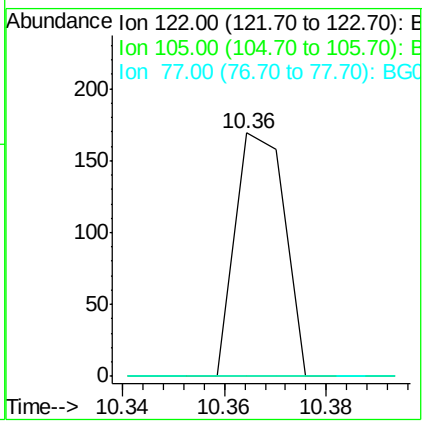


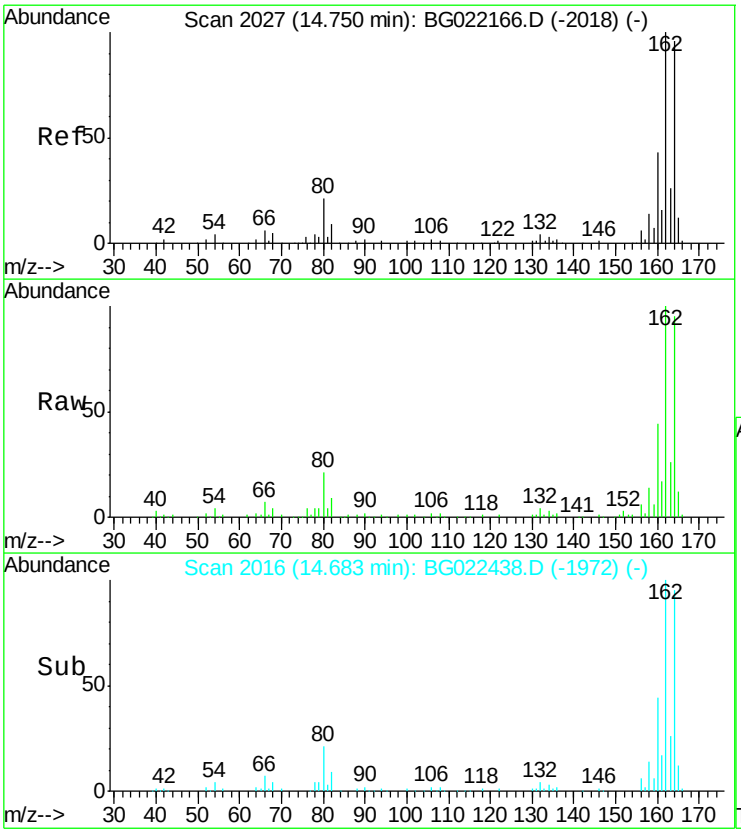
#32
Benzoic acid
Concen: 7.41 ng
RT: 10.36 min Scan# 1281
Delta R.T. 0.15 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:122 Resp: 115

Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.5	144.5#
77	0.0	79.9	119.9#

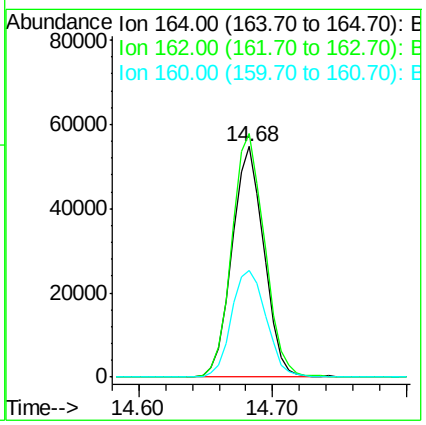


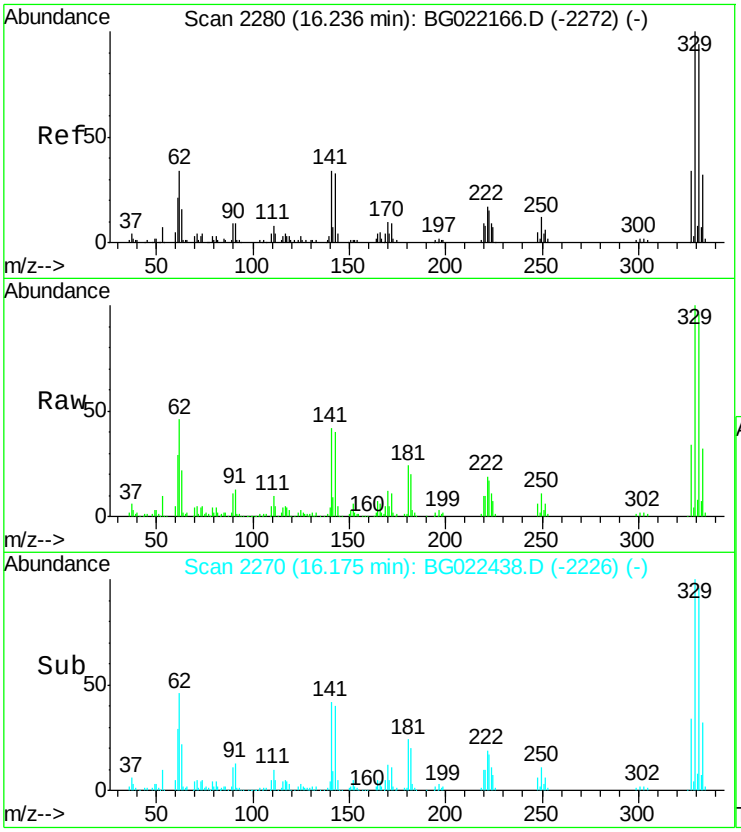


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.68 min Scan# 2016
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:164 Resp: 90804

Ion	Ratio	Lower	Upper
164	100		
162	105.6	78.0	117.0
160	46.2	32.9	49.3



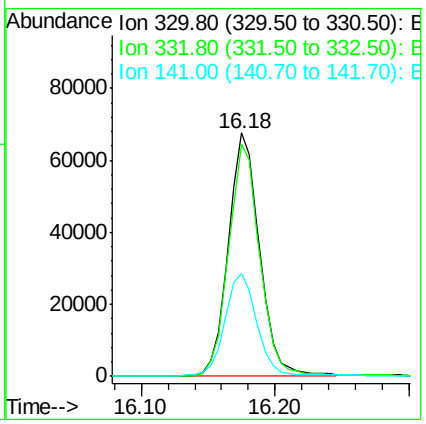


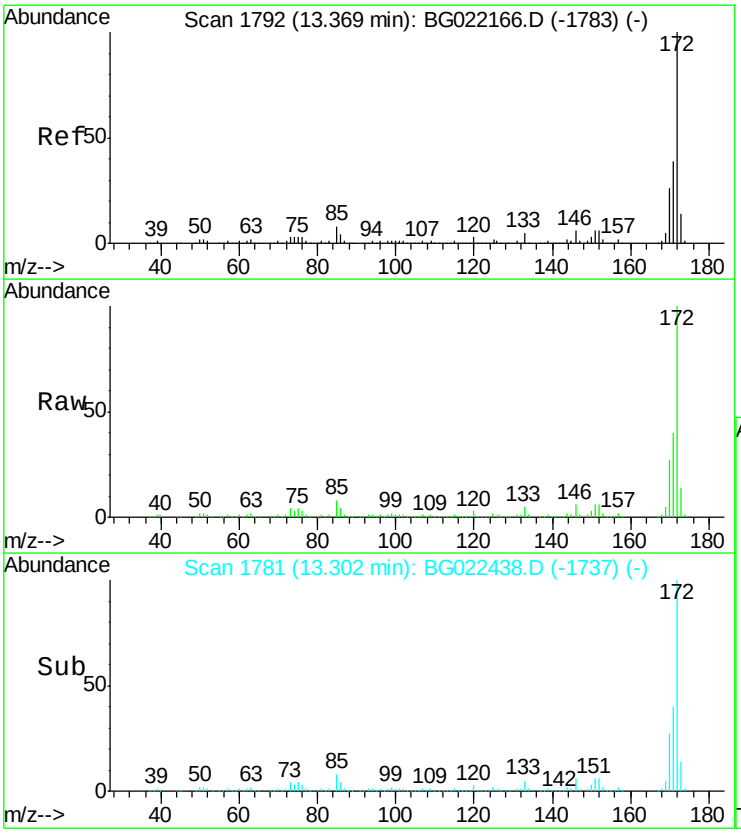
#41
2,4,6-Tribromophenol
Concen: 107.74 ng
RT: 16.18 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:330 Resp: 110542

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	44.4	33.8	50.8

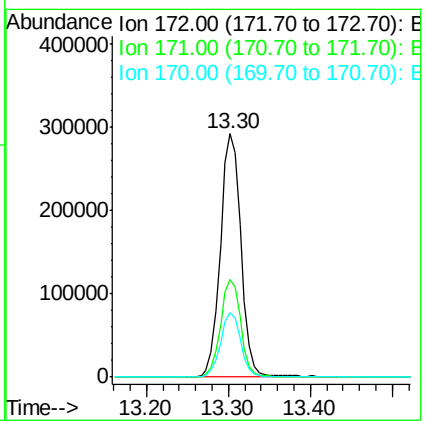


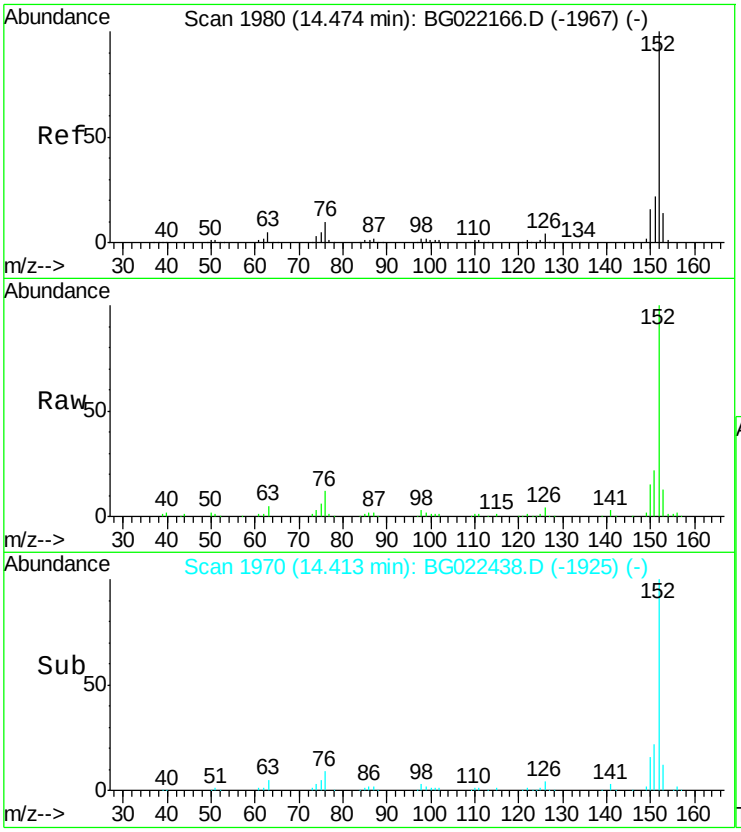


#44
2-Fluorobiphenyl
Concen: 85.73 ng
RT: 13.30 min Scan# 1781
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:172 Resp: 510838

Ion	Ratio	Lower	Upper
172	100		
171	39.9	27.8	41.6
170	26.5	19.6	29.4



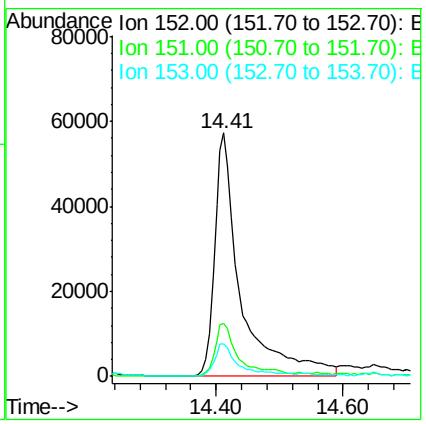


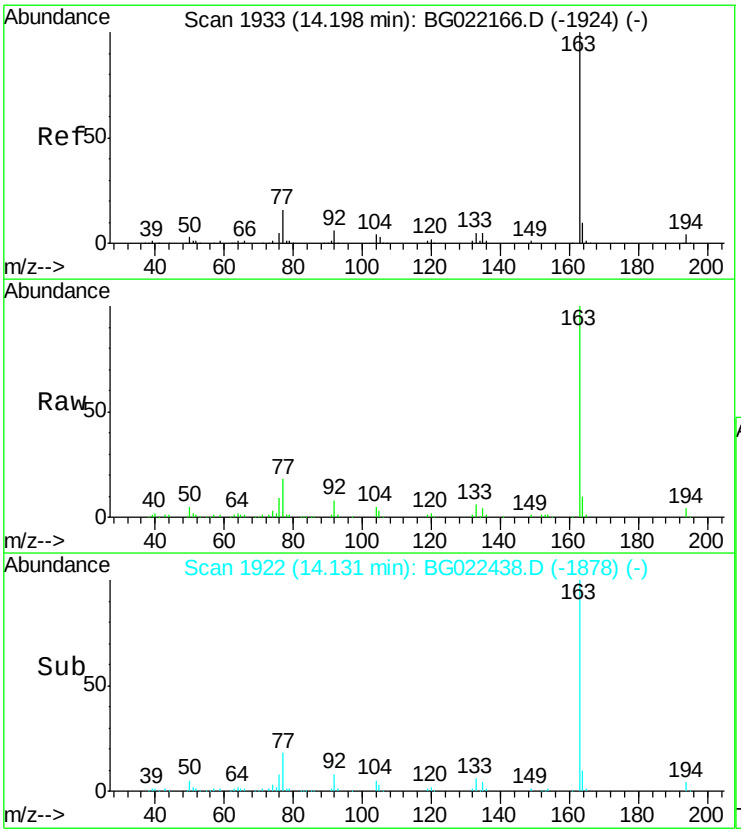
#48
Acenaphthylene
Concen: 18.04 ng
RT: 14.41 min Scan# 1970
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:152 Resp: 165805

Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.6	24.8
153	13.1	10.2	15.2

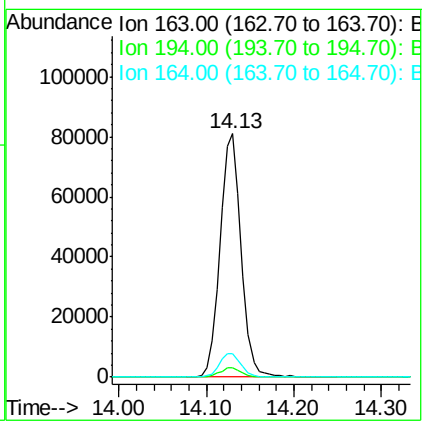


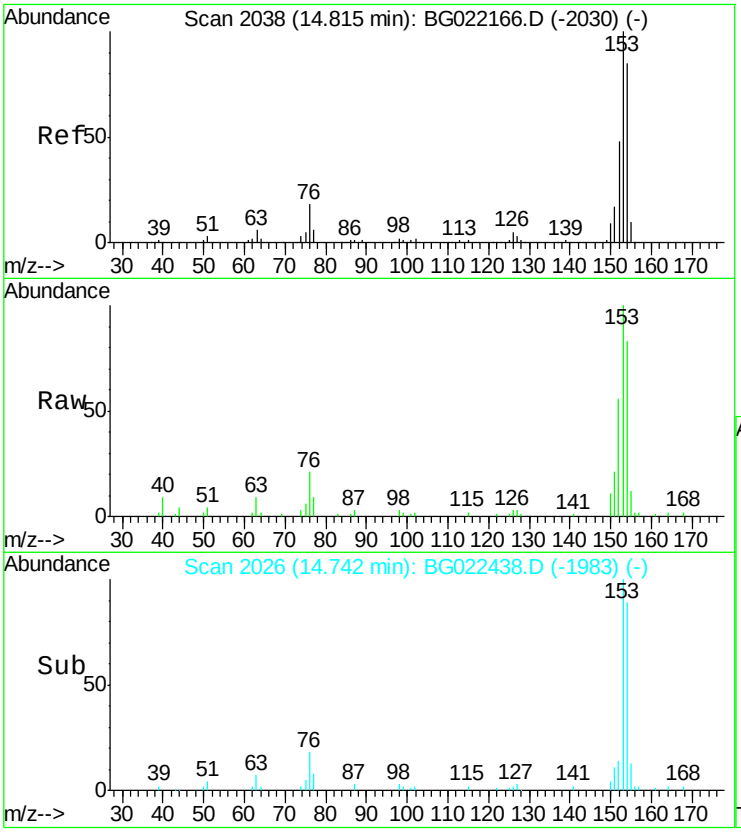


#49
Dimethylphthalate
Concen: 17.84 ng
RT: 14.13 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:163 Resp: 134286

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	9.8	8.1	12.1



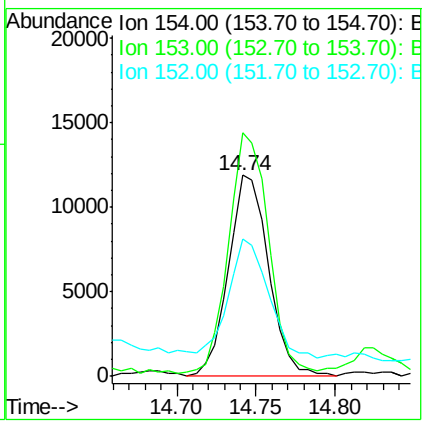


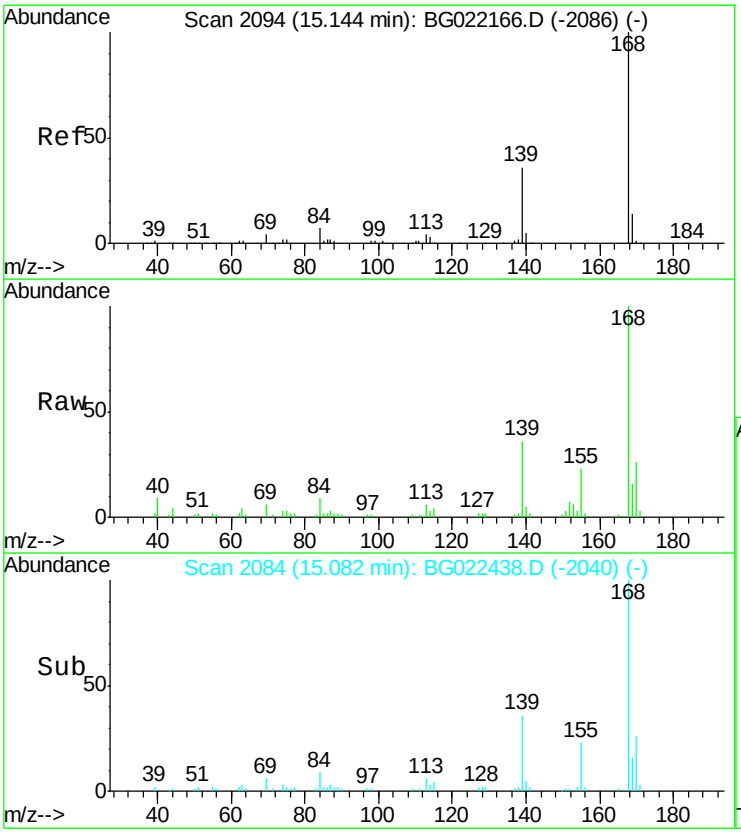
#51
Acenaphthene
Concen: 3.79 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:154 Resp: 20885

Ion	Ratio	Lower	Upper
154	100		
153	121.1	91.9	137.9
152	68.1	42.0	63.0#

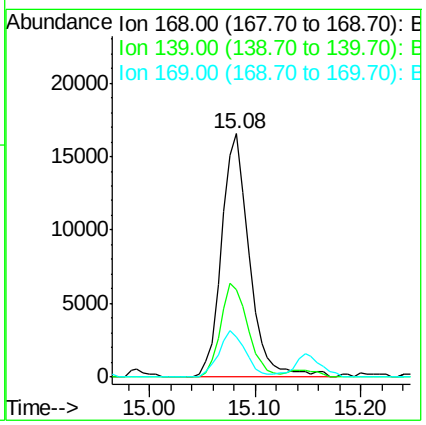


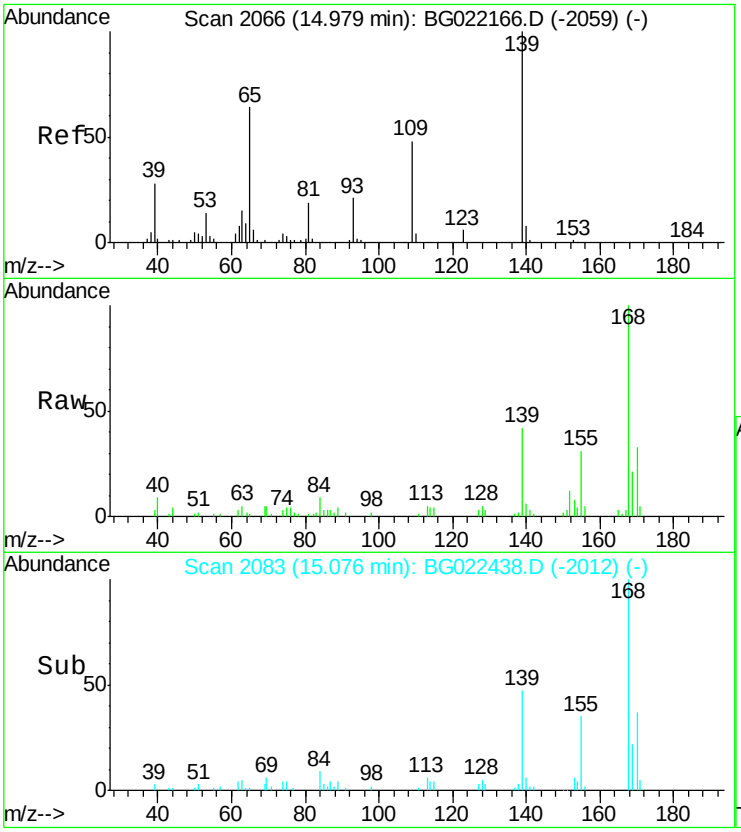


#54
Dibenzofuran
Concen: 3.52 ng
RT: 15.08 min Scan# 2084
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:168 Resp: 30278

Ion	Ratio	Lower	Upper
168	100		
139	36.0	31.1	46.7
169	16.4	11.0	16.6



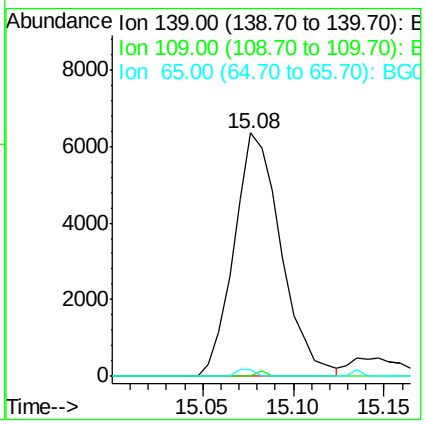


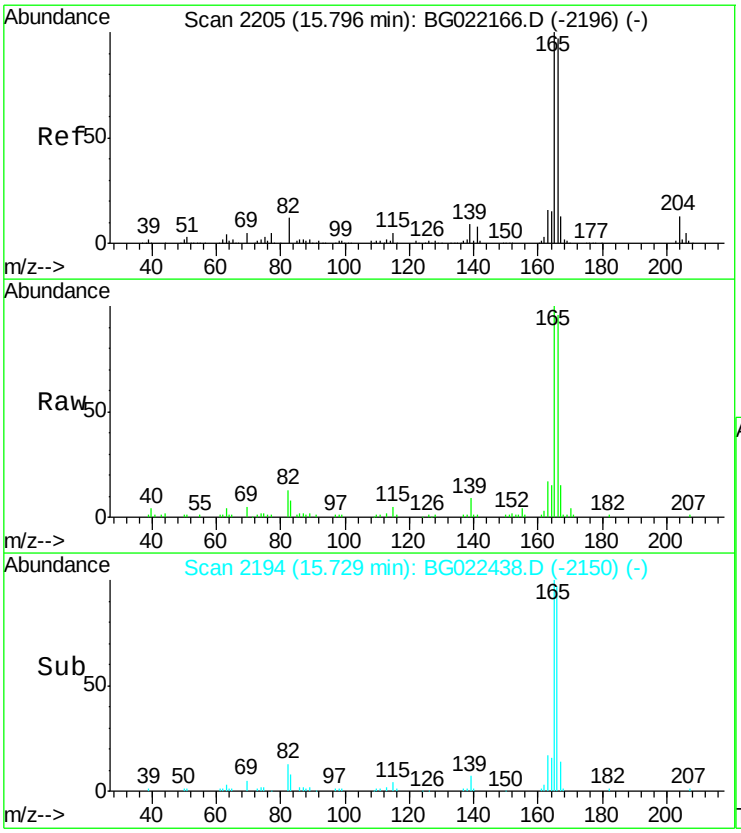
#55
4-Nitrophenol
Concen: 9.13 ng
RT: 15.08 min Scan# 2083
Delta R.T. 0.12 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:139 Resp: 11442

Ion	Ratio	Lower	Upper
139	100		
109	0.0	49.2	89.2#
65	3.0	83.2	123.2#

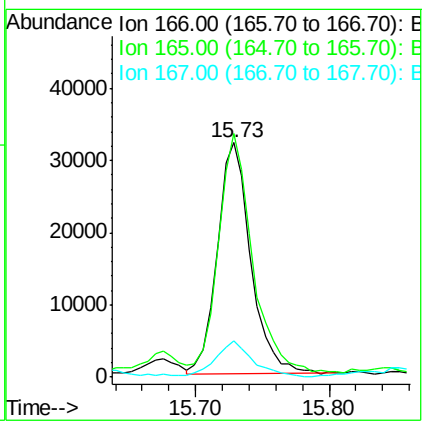


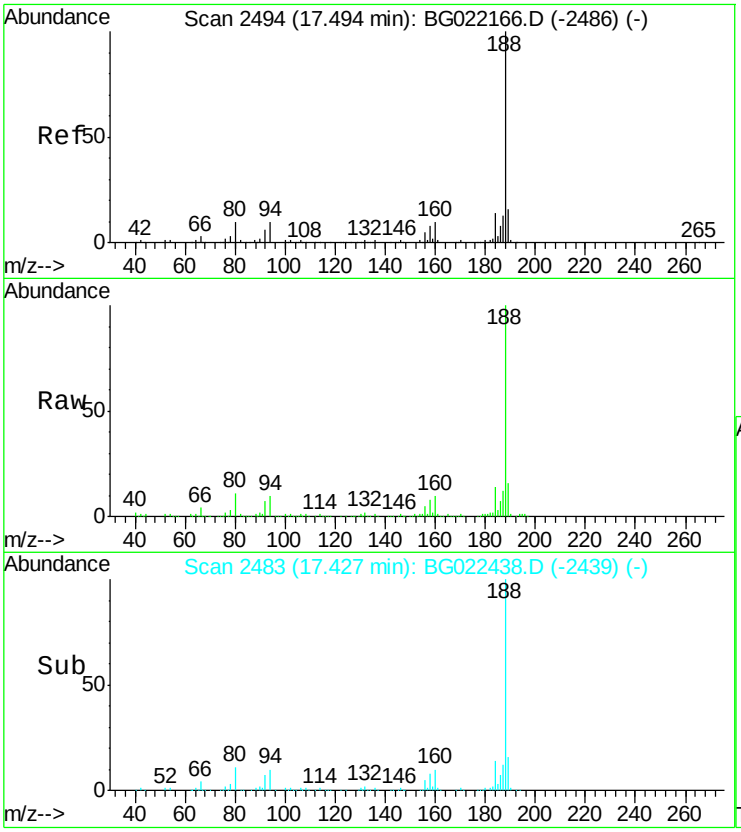


#57
Fluorene
Concen: 7.58 ng
RT: 15.73 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:166 Resp: 56131

Ion	Ratio	Lower	Upper
166	100		
165	104.0	79.0	118.4
167	15.6	10.7	16.1



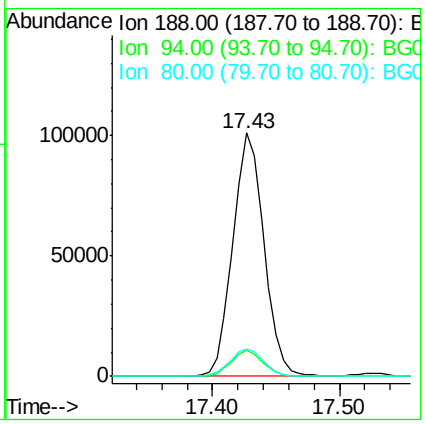


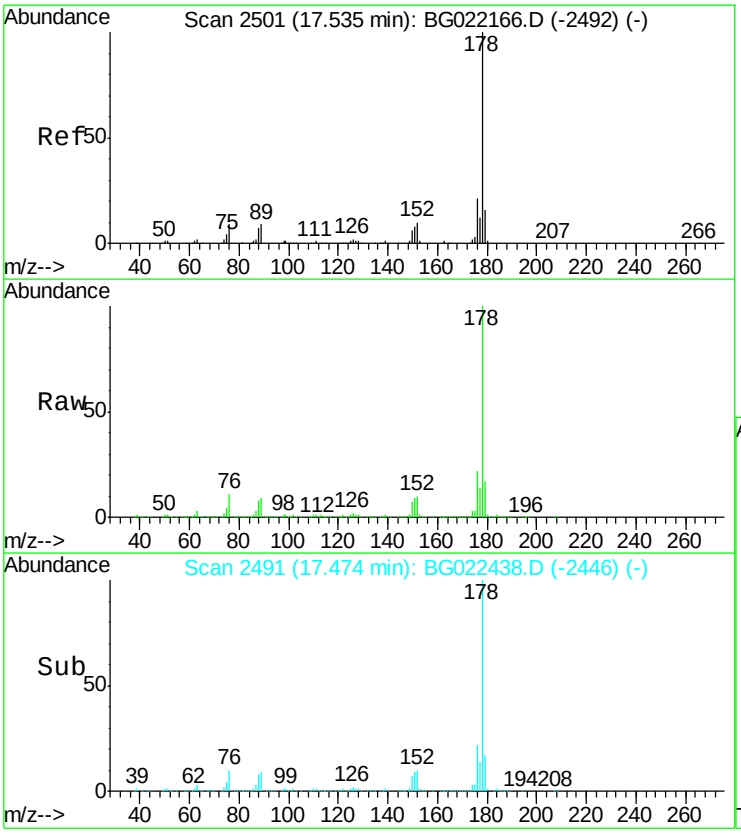
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:188 Resp: 171909

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.5	11.3
80	11.5	8.6	13.0

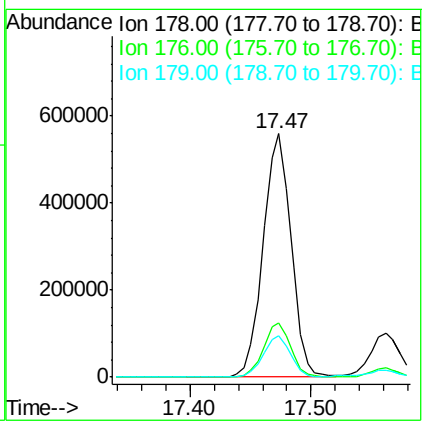


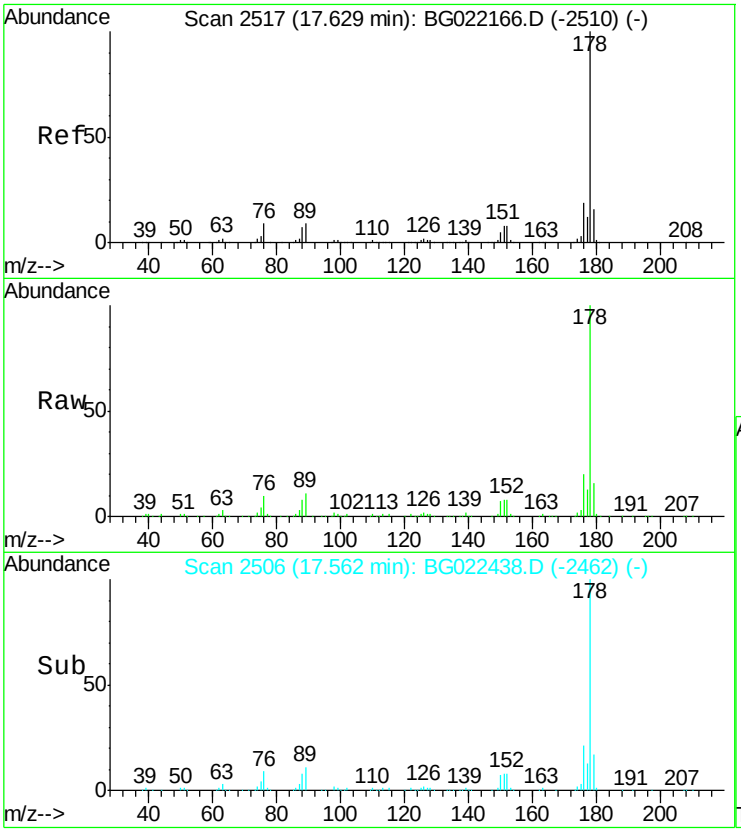


#70
Phenanthrene
Concen: 95.64 ng
RT: 17.47 min Scan# 2491
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:178 Resp: 893022

Ion	Ratio	Lower	Upper
178	100		
176	22.4	16.2	24.4
179	17.1	12.0	18.0



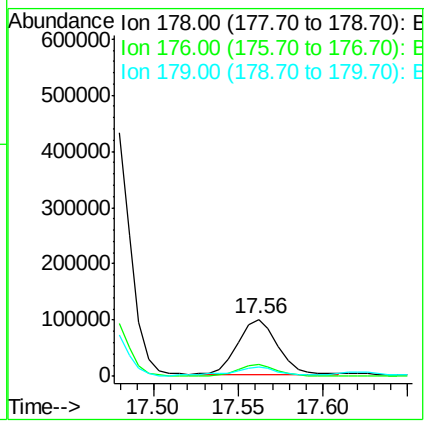


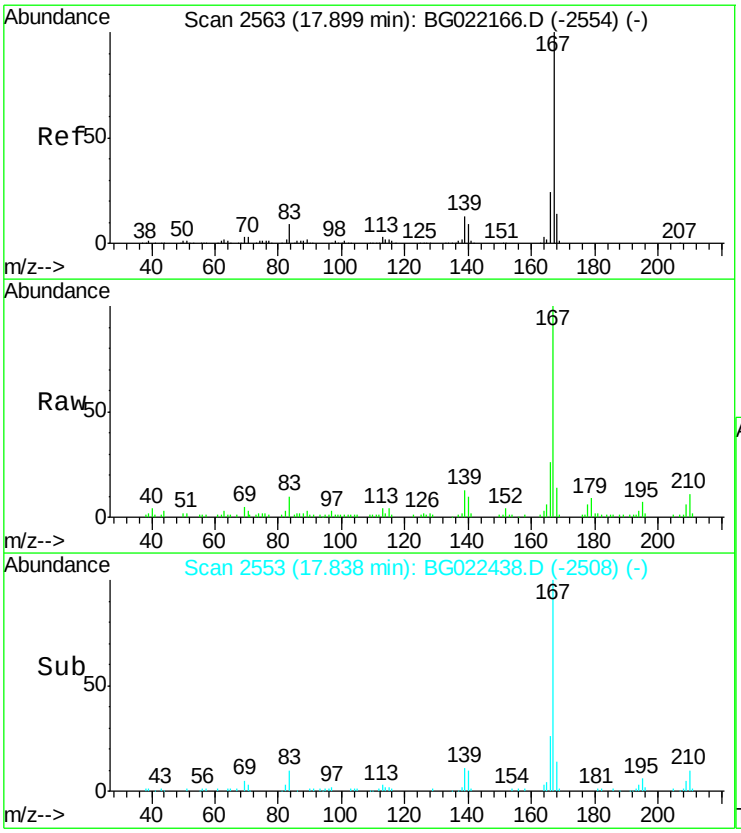
#71
Anthracene
Concen: 17.38 ng
RT: 17.56 min Scan# 2506
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:178 Resp: 160974

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.0	22.4
179	16.5	12.2	18.4

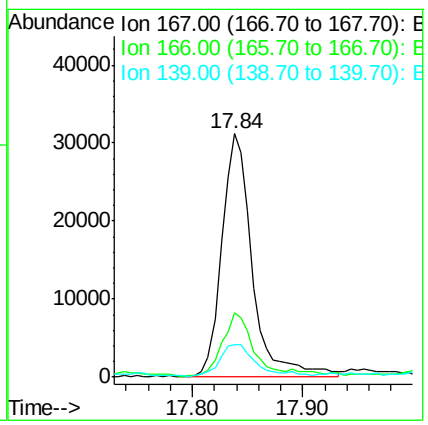


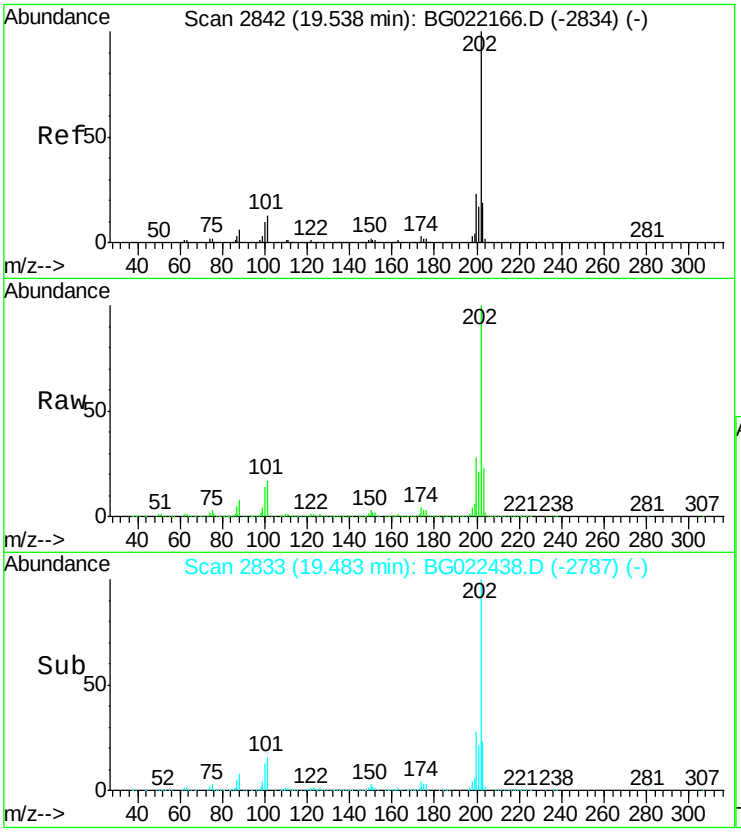


#72
Carbazole
Concen: 6.88 ng
RT: 17.84 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:167 Resp: 60328

Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.6	27.8
139	13.2	10.6	15.8



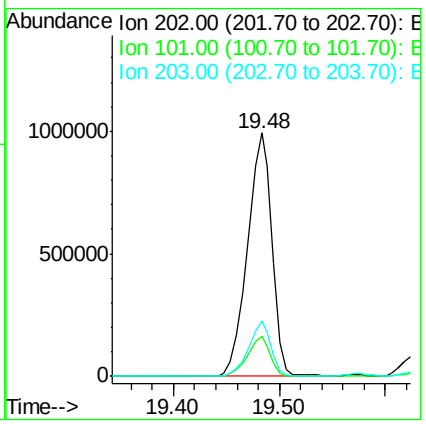


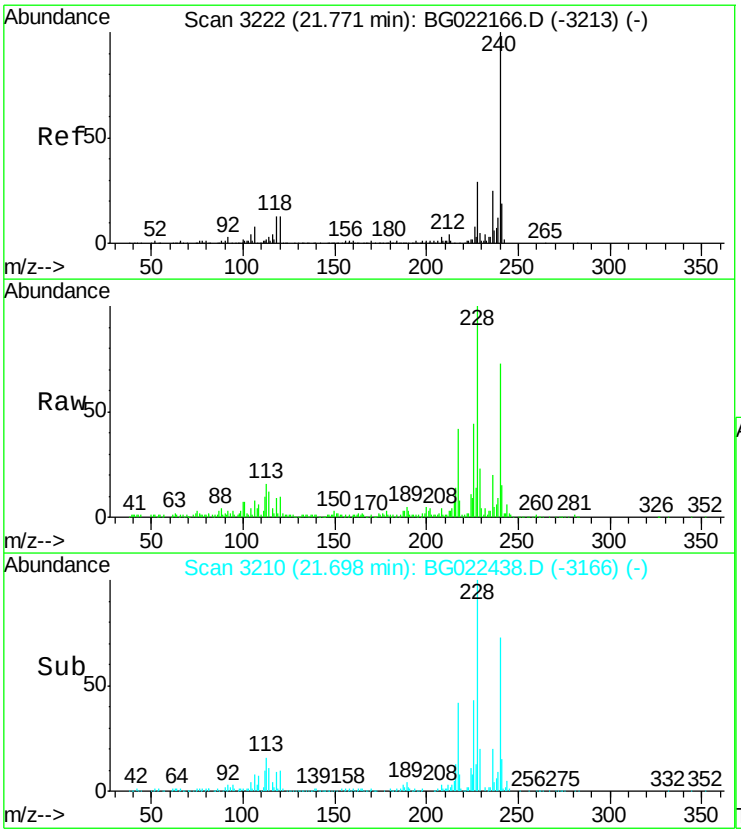
#74
Fluoranthene
Concen: 149.79 ng
RT: 19.48 min Scan# 2833
Delta R.T. -0.03 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:202 Resp: 1607840

Ion	Ratio	Lower	Upper
202	100		
101	16.6	0.0	31.0
203	22.7	0.0	37.9

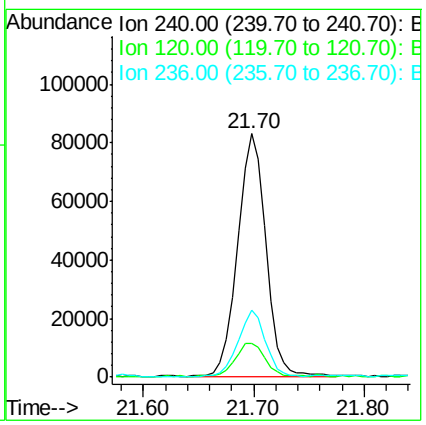


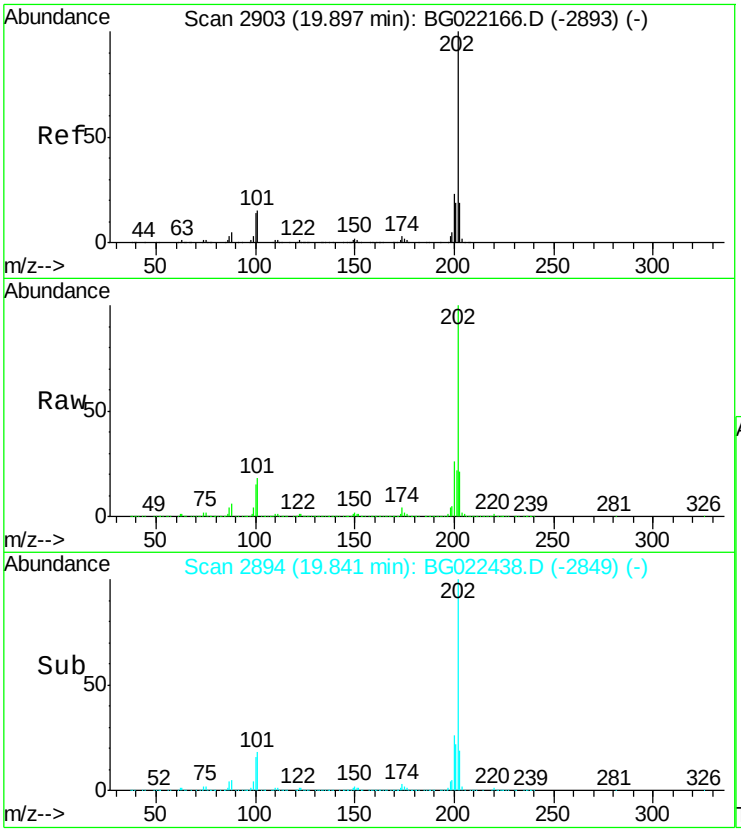


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.70 min Scan# 3210
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:240 Resp: 148387

Ion	Ratio	Lower	Upper
240	100		
120	14.1	8.4	12.6#
236	27.3	19.6	29.4



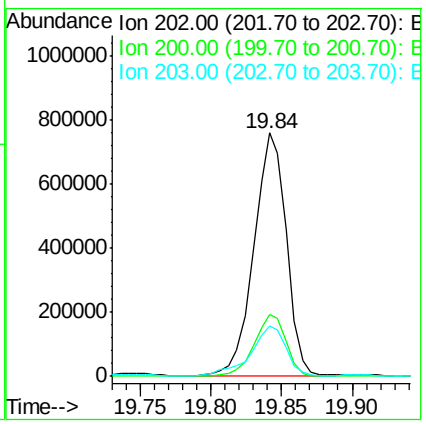


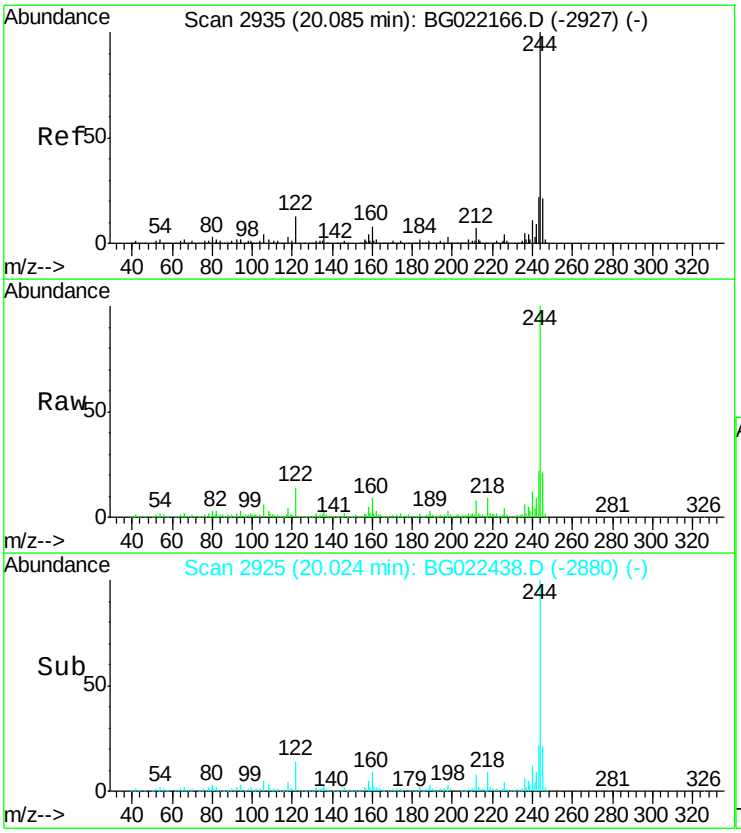
#77
Pyrene
Concen: 132.15 ng
RT: 19.84 min Scan# 2894
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:202 Resp: 1219084

Ion	Ratio	Lower	Upper
202	100		
200	25.6	18.2	27.2
203	20.6	15.0	22.4

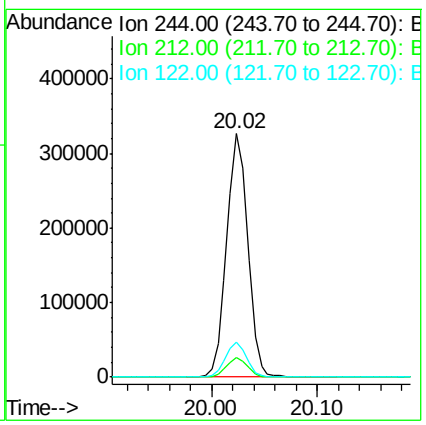


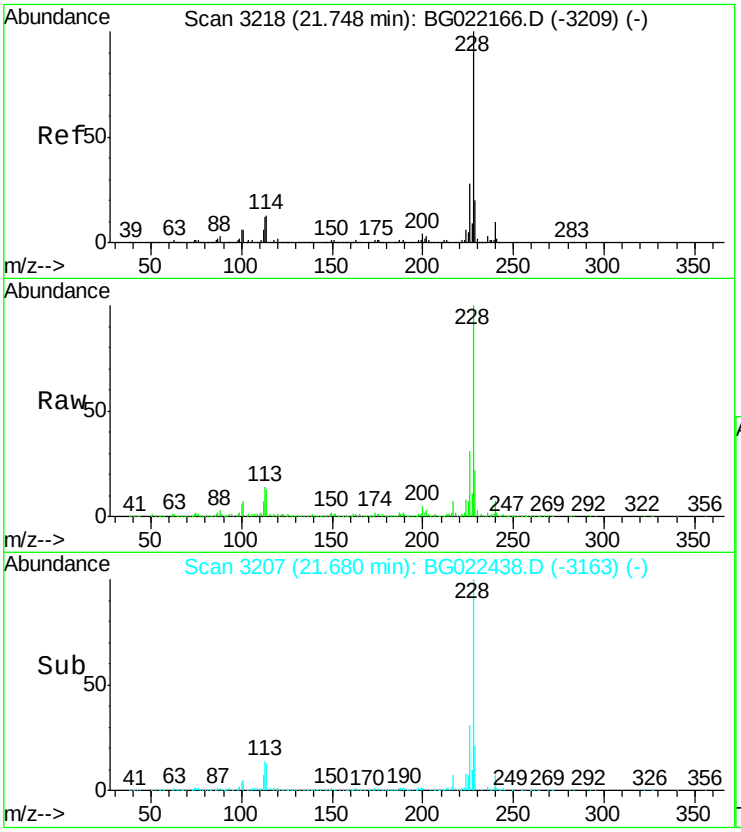


#78
Terphenyl-d14
Concen: 72.26 ng
RT: 20.02 min Scan# 2925
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:244 Resp: 451643

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	14.5	8.6	12.8#



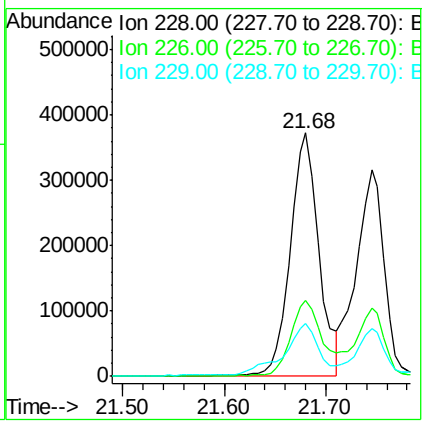


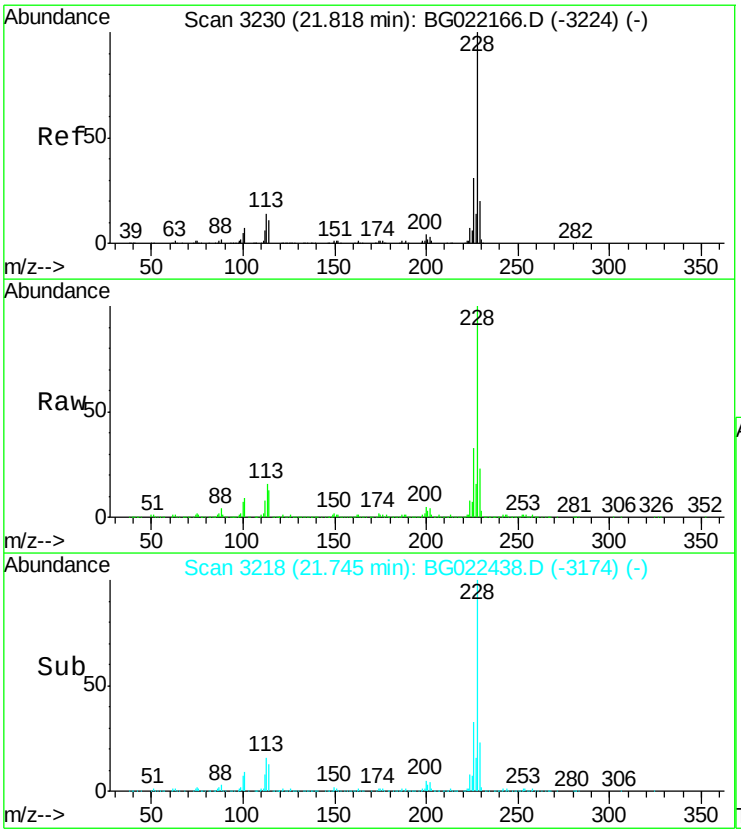
#80
Benzo(a)anthracene
Concen: 88.11 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:228 Resp: 733156

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	34.0
229	21.9	16.1	24.1

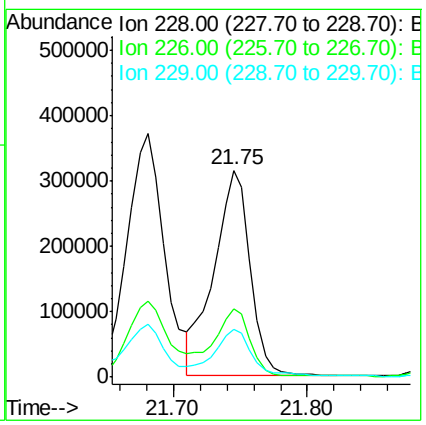


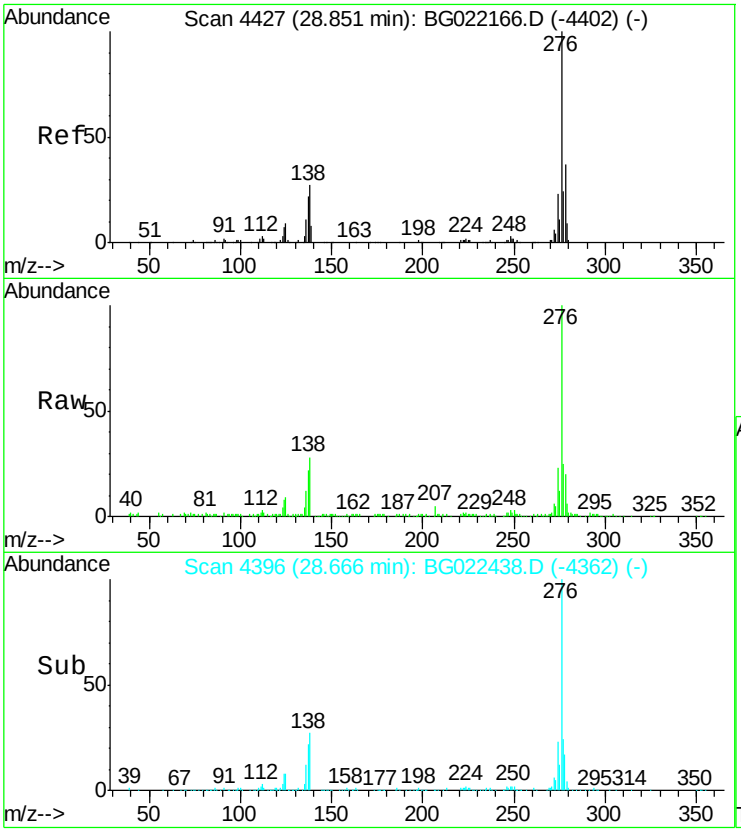


#82
Chrysene
Concen: 73.99 ng
RT: 21.75 min Scan# 3218
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:228 Resp: 599093

Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.4	38.0
229	23.3	15.9	23.9



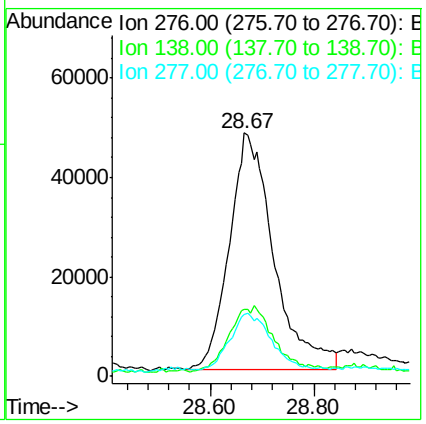


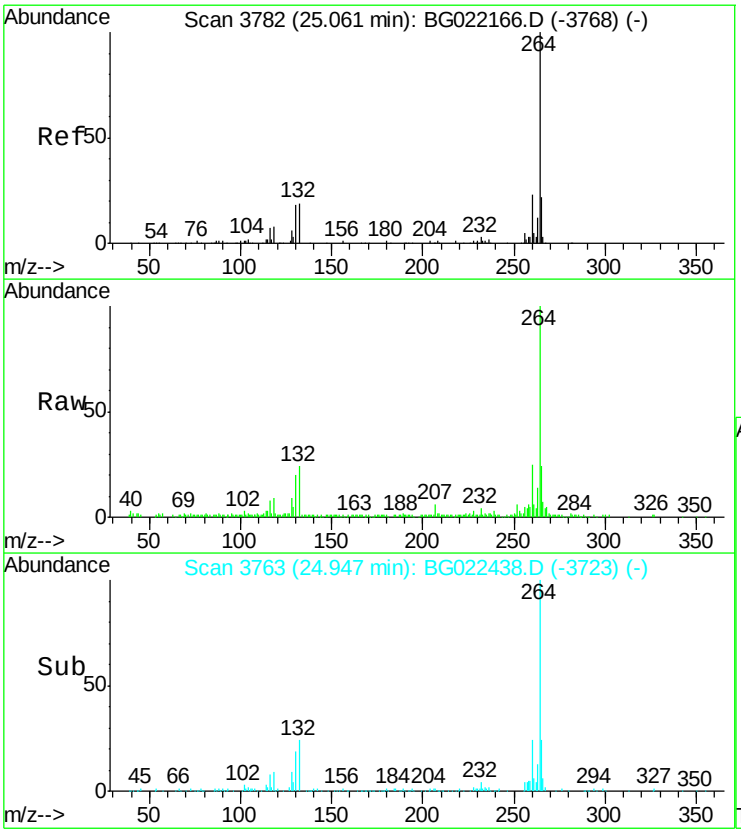
#85
Indeno(1,2,3-cd)pyrene
Concen: 31.26 ng
RT: 28.67 min Scan# 4396
Delta R.T. -0.10 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:276 Resp: 283944

Ion	Ratio	Lower	Upper
276	100		
138	27.8	14.0	21.0#
277	22.0	20.6	30.8

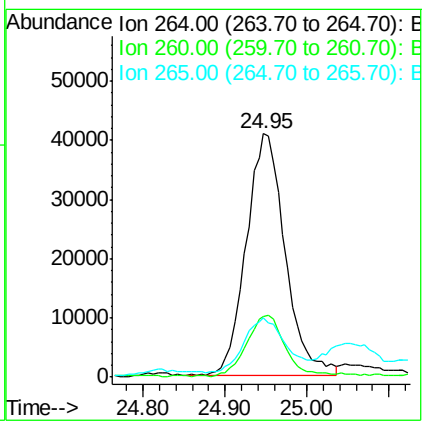


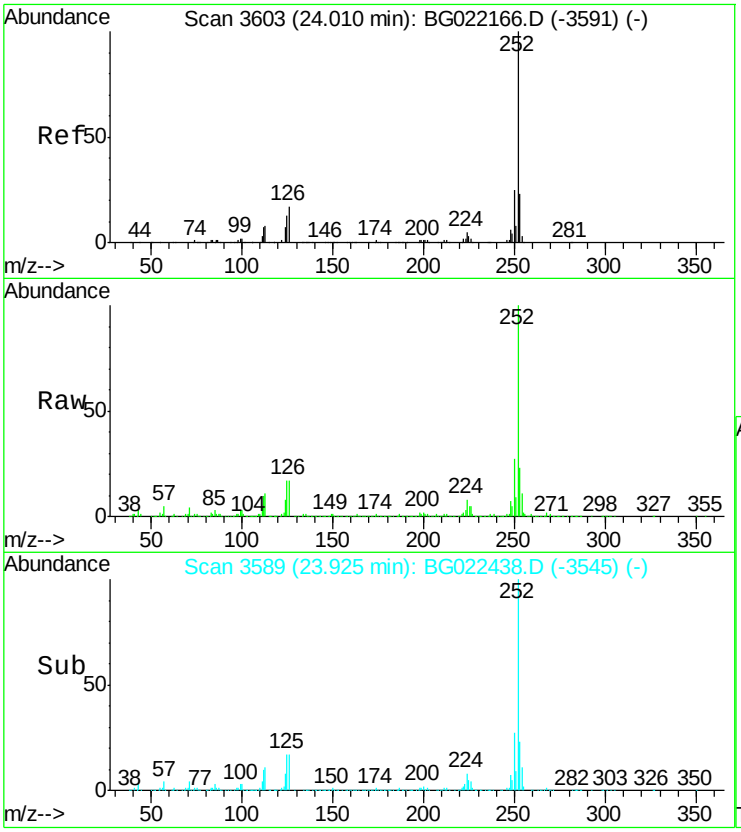


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.95 min Scan# 3763
Delta R.T. -0.06 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:264 Resp: 135608

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	24.4	17.8	26.8



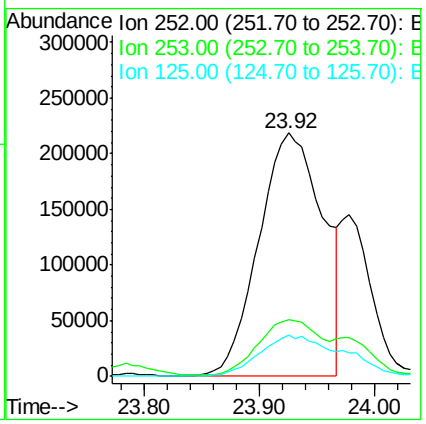


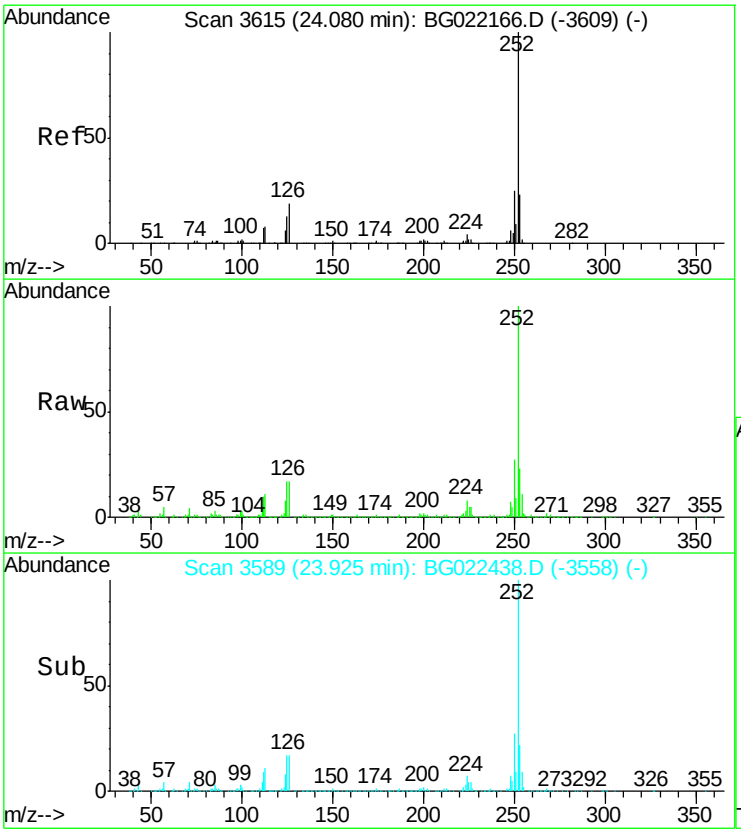
#87
Benzo(b)fluoranthene
Concen: 105.84 ng
RT: 23.92 min Scan# 3589
Delta R.T. -0.04 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:252 Resp: 837111

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.8	8.6	13.0#

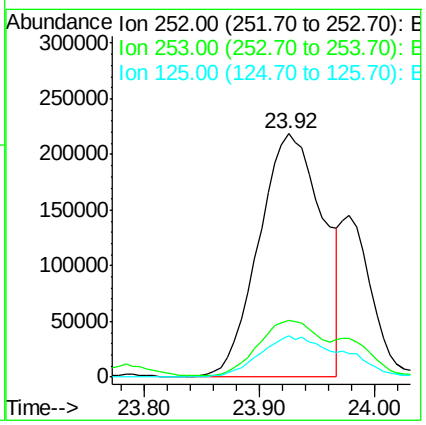


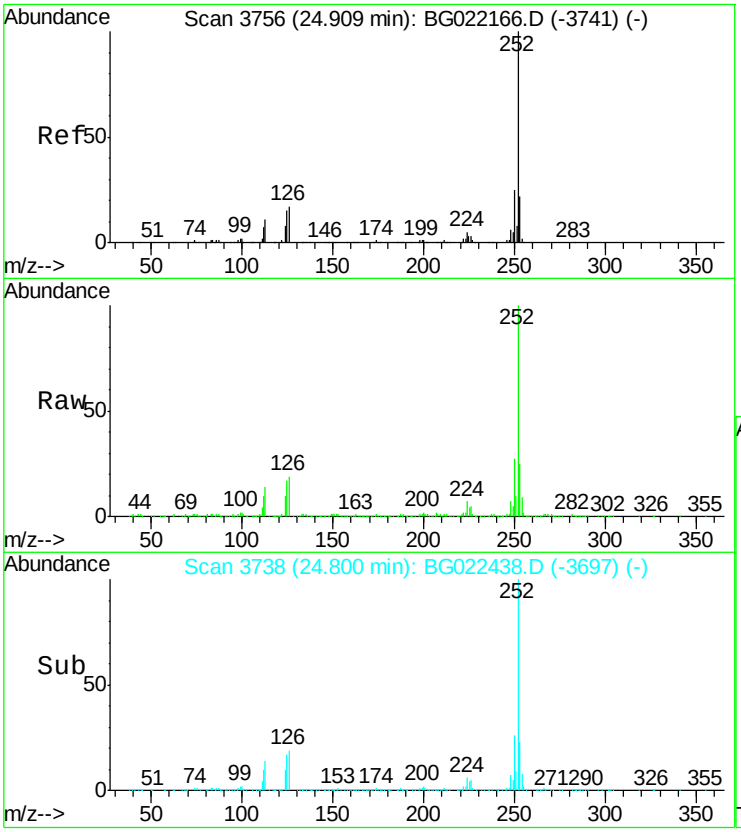


#88
Benzo(k)fluoranthene
Concen: 107.52 ng
RT: 23.92 min Scan# 3589
Delta R.T. -0.12 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:252 Resp: 837111

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	16.8	8.3	12.5#



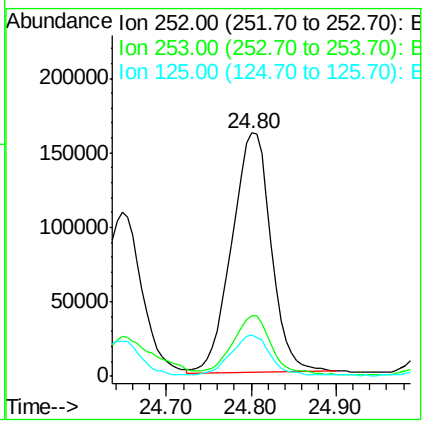


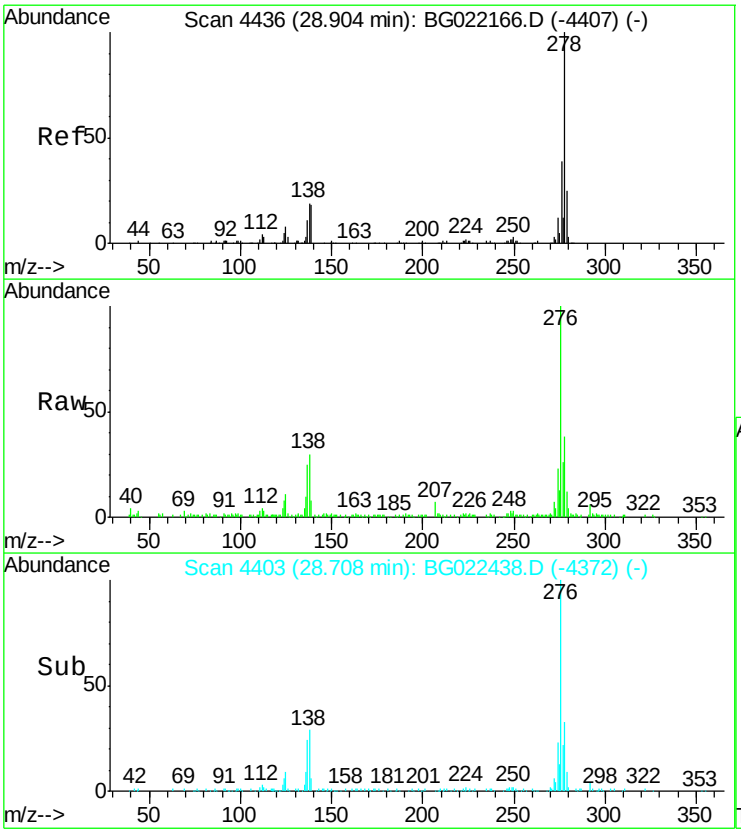
#89
Benzo(a)pyrene
Concen: 68.74 ng
RT: 24.80 min Scan# 3738
Delta R.T. -0.06 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:252 Resp: 519801

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.2	9.6	14.4#

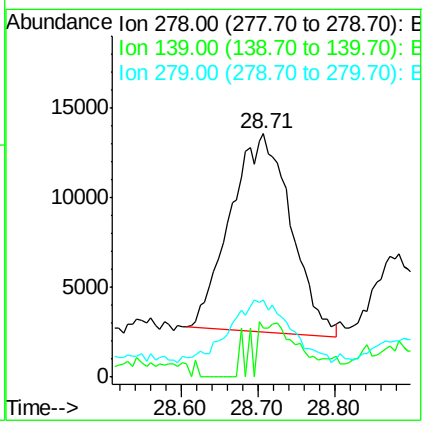


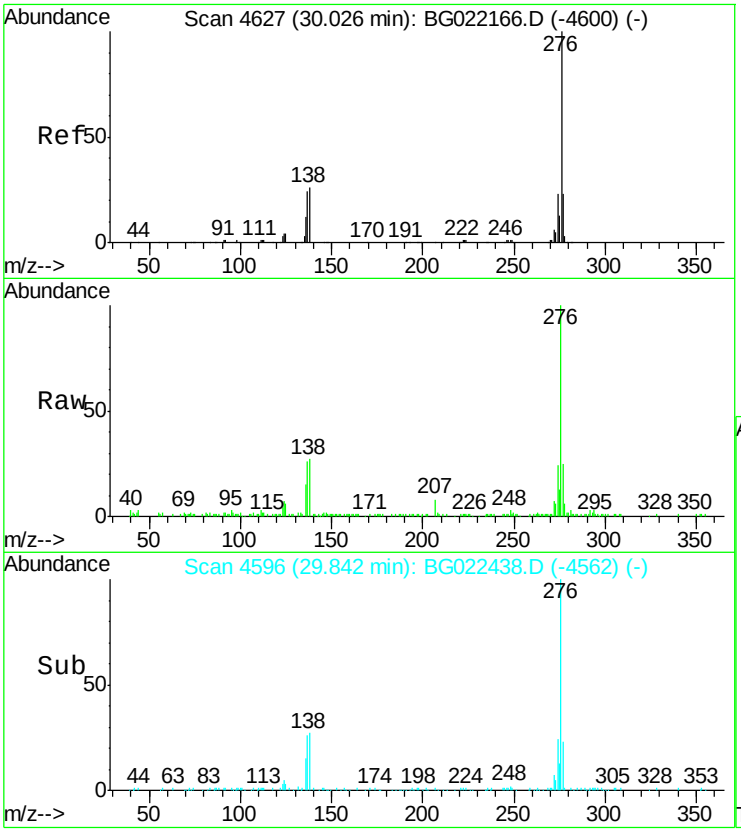


#90
Dibenzo(a,h)anthracene
Concen: 8.47 ng
RT: 28.71 min Scan# 4403
Delta R.T. -0.12 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Tgt Ion:278 Resp: 60305

Ion	Ratio	Lower	Upper
278	100		
139	20.0	11.9	17.9#
279	31.6	18.2	27.2#





#91
Benzo(g,h,i)perylene
Concen: 29.23 ng
RT: 29.84 min Scan# 4596
Delta R.T. -0.10 min
Lab File: BG022438.D
Acq: 19 Jun 2016 00:38

Instrument :
BNA_G
ClientSampleId :
STA-1172-(0-4)

Tgt Ion:276 Resp: 216629

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	27.4	17.4	26.0#