Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
Data File : BG043266.D
Acq On : 17 Oct 2019 17:43
Operator : JU
Sample : K5350-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-209

Quant Time: Oct 18 01:41:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53904	20.00	ng		-0.02
21) Naphthalene-d8	10.85	136	214539	20.00	ng		-0.02
39) Acenaphthene-d10	14.67	164	156338	20.00	ng		-0.02
64) Phenanthrene-d10	17.42	188	332838	20.00	ng		0.00
76) Chrysene-d12	21.69	240	368360	20.00	ng		0.00
87) Perylene-d12	24.91	264	436826	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	342700	113.46	ng		-0.02
7) Phenol-d6	7.22	99	507515	116.68	ng		-0.02
23) Nitrobenzene-d5	9.20	82	323001	73.18	ng		-0.02
42) 2,4,6-Tribromophenol	16.16	330	298281	110.95	ng		0.00
45) 2-Fluorobiphenyl	13.29	172	796581	73.87	ng		-0.02
79) Terphenyl-d14	20.02	244	1329611	76.92	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	9.20	70	46138	16.154	ng	#	69
31) Naphthalene	10.90	128	3155333	298.773	ng	#	91
32) Benzoic acid	10.06	122	54	2.826	ng	#	59
33) 4-Chloroaniline	10.90	127	517403	112.904	ng	#	34
37) 2-Methylnaphthalene	12.50	142	975371	121.064	ng		97
38) 1-Methylnaphthalene	12.72	142	750127	98.397	ng		99
46) 1,1'-Biphenyl	13.50	154	544254	45.906	ng		99
49) Acenaphthylene	14.39	152	92158	6.776	ng	#	83
50) Dimethylphthalate	14.11	163	102261	8.730	ng	#	97
52) Acenaphthene	14.74	154	1201414	131.965	ng		97
55) Dibenzofuran	15.07	168	2245284	166.719	ng	#	91
56) 4-Nitrophenol	15.07	139	960166	488.819	ng	#	1
58) Fluorene	16.13	166	312439	27.174	ng		88
62) 4-Nitroaniline	15.73	138	37843	13.460	ng	#	11
67) 4-Bromophenyl-phenylether	16.16	248	18598	4.452	ng	#	1
71) Phenanthrene	17.49	178	6276649	386.273	ng	#	42
72) Anthracene	17.59	178	7667082	472.639	ng	#	19
73) Carbazole	17.84	167	3812768	253.459	ng	#	81
75) Fluoranthene	19.48	202	3935105	183.091	ng		79
78) Pyrene	19.62	202	175684	7.991	ng		96
81) Benzo(a)anthracene	21.67	228	1599895	69.706	ng		96
83) Chrysene	21.74	228	1703104	76.463	ng		95
86) Indeno(1,2,3-cd)pyrene	28.58	276	407892	14.710	ng	#	98
88) Benzo(b)fluoranthene	23.90	252	1157410	46.827	ng		98
89) Benzo(k)fluoranthene	23.90	252	1157410	47.335	ng		100
90) Benzo(a)pyrene	24.76	252	836311	35.863	ng		100
91) Dibenzo(a,h)anthracene	28.61	278	120462	5.038	ng		96
92) Benzo(g,h,i)perylene	29.72	276	338343	14.603	ng		98

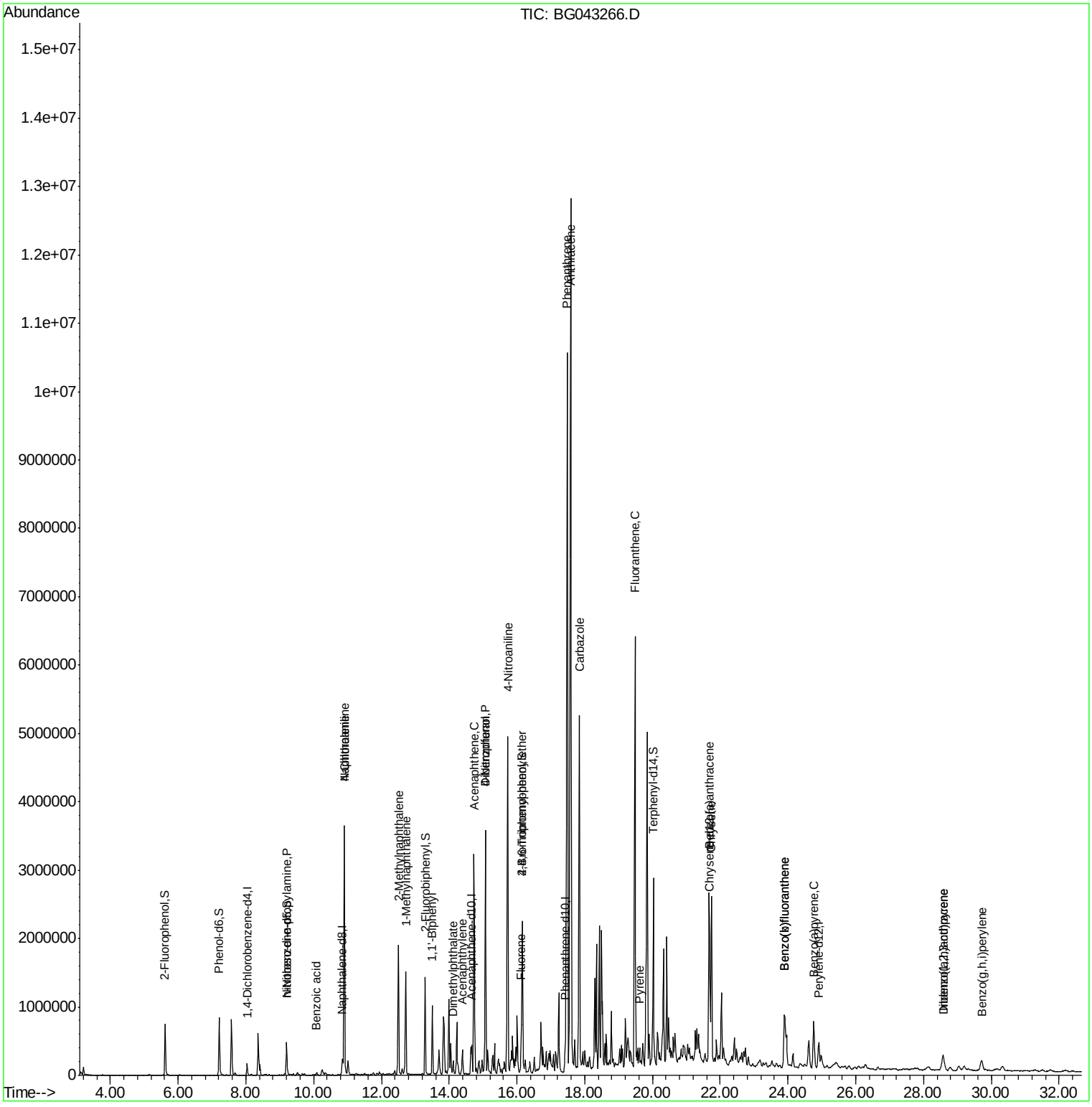
(#) = qualifier out of range (m) = manual integration (+) = signals summed

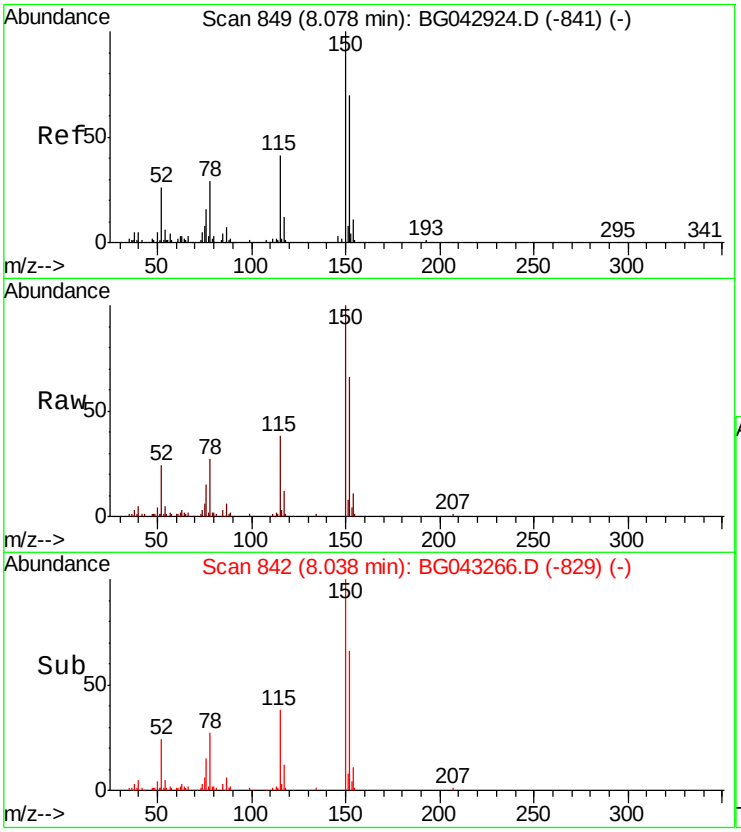
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
Data File : BG043266.D
Acq On : 17 Oct 2019 17:43
Operator : JU
Sample : K5350-01RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Quant Time: Oct 18 01:41:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 09 01:11:45 2019
Response via : Initial Calibration



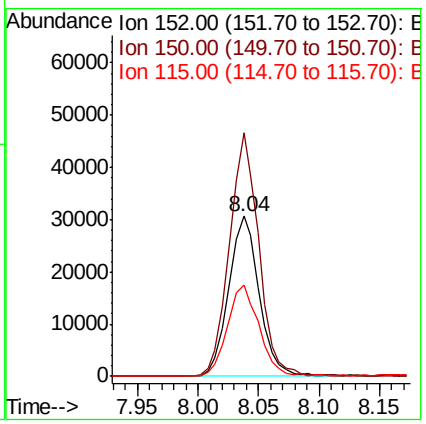


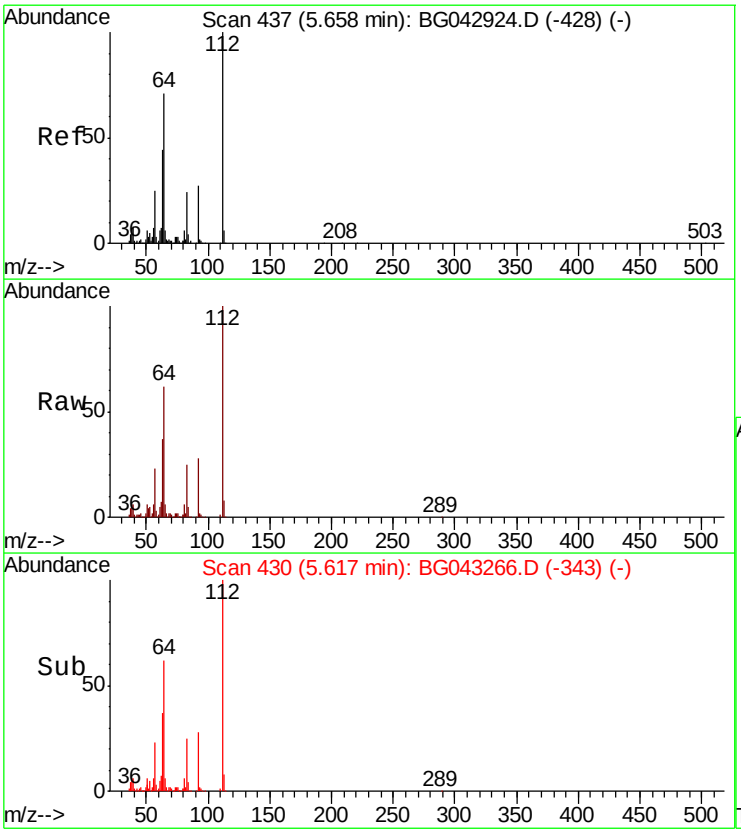
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:152 Resp: 53904

Ion	Ratio	Lower	Upper
152	100		
150	152.1	115.0	172.4
115	57.1	47.0	70.6

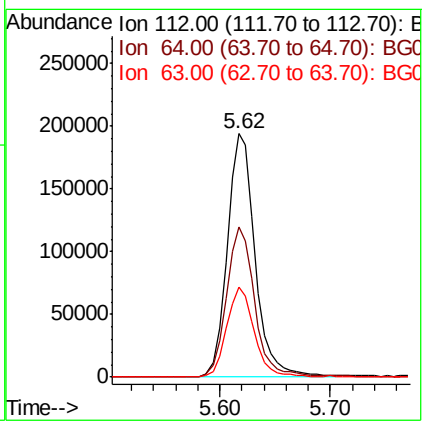


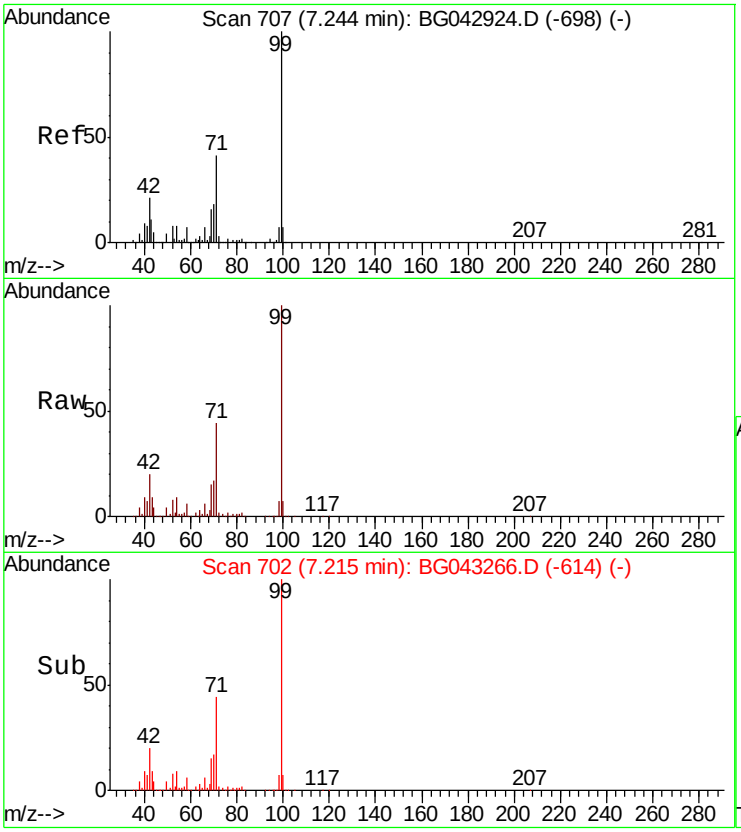


#5
2-Fluorophenol
Concen: 113.459 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:112 Resp: 342700

Ion	Ratio	Lower	Upper
112	100		
64	61.7	56.6	84.8
63	36.9	35.1	52.7



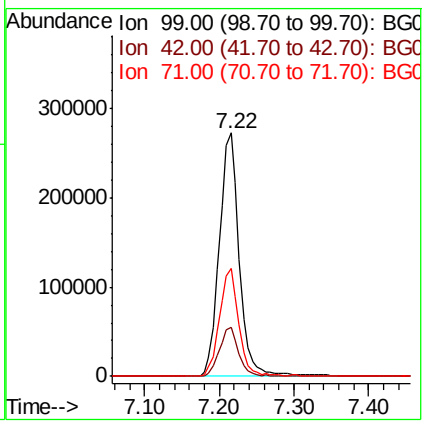


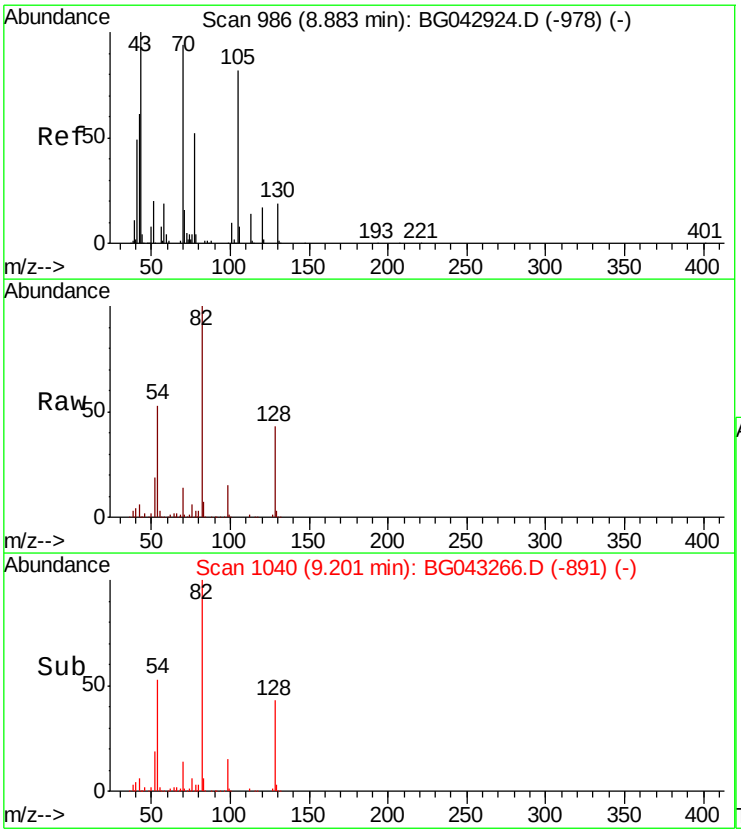
#7
Phenol-d6
Concen: 116.679 ng
RT: 7.22 min Scan# 702
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion: 99 Resp: 507515

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.2	25.8
71	44.5	33.1	49.7

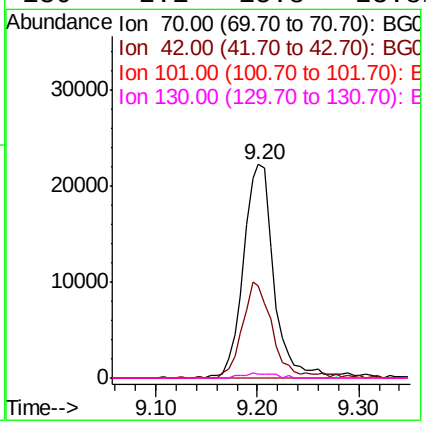


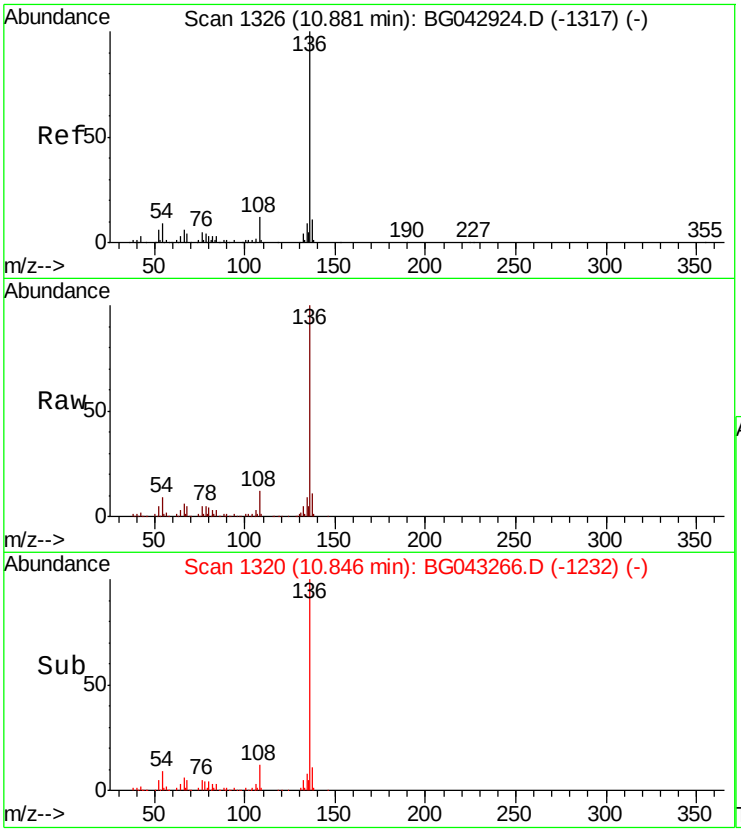


#19
n-Nitroso-di-n-propylamine
Concen: 16.154 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion: 70 Resp: 46138

Ion	Ratio	Lower	Upper
70	100		
42	43.1	52.6	79.0#
101	0.0	8.7	13.1#
130	2.1	15.8	23.8#



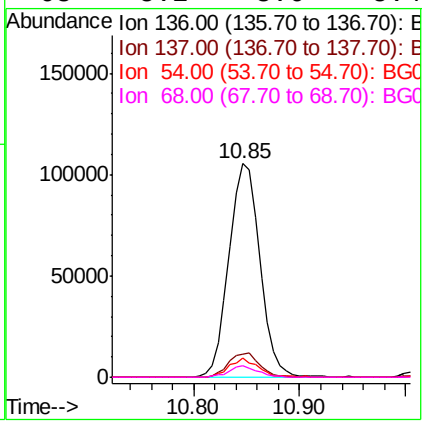


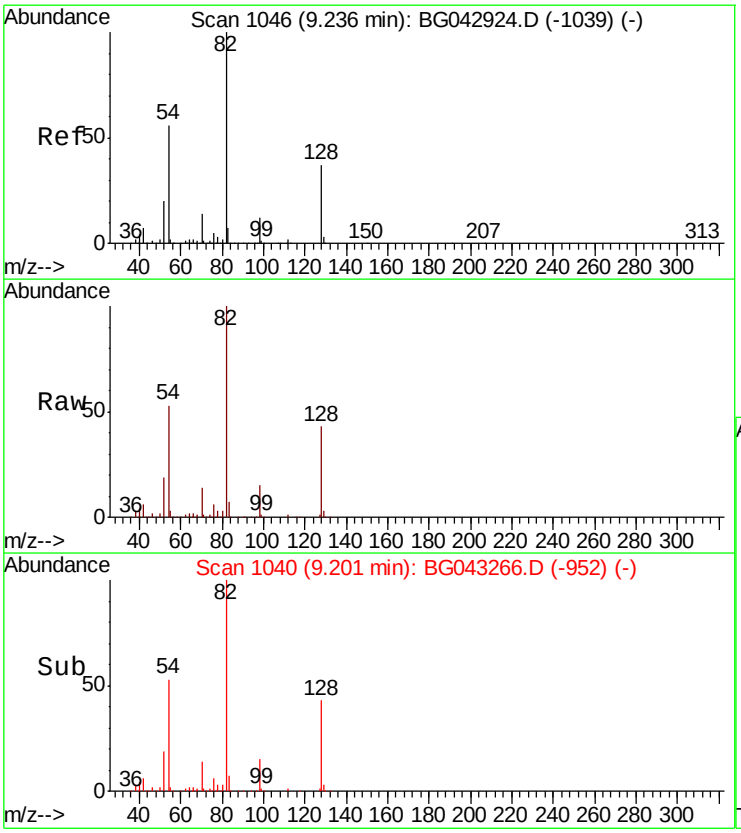
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:136 Resp: 214539

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.3	7.4	11.2
68	5.2	3.6	5.4

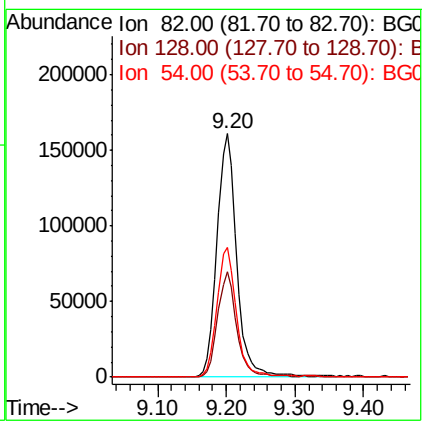


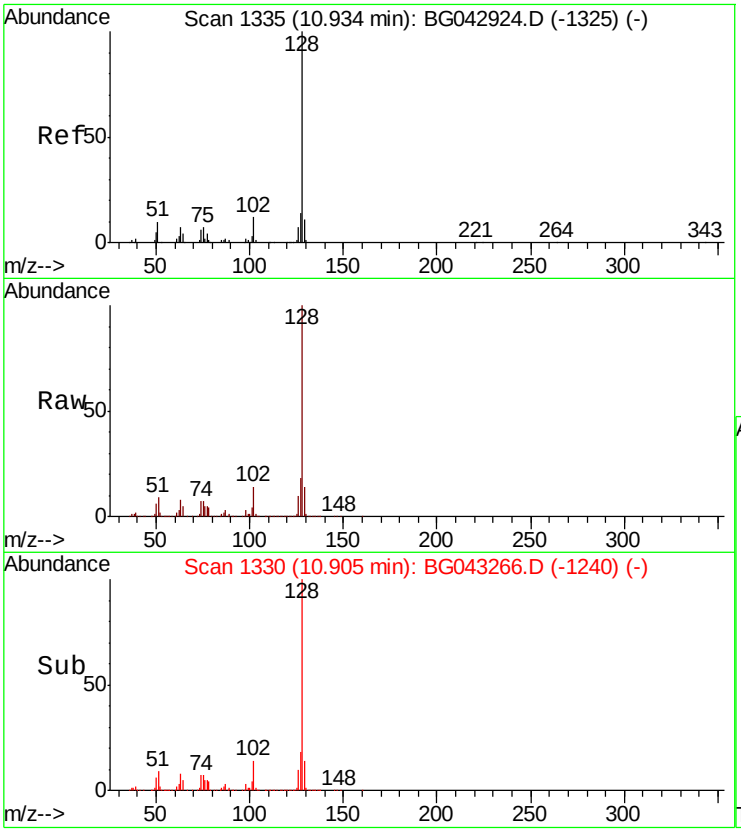


#23
Nitrobenzene-d5
Concen: 73.178 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion: 82 Resp: 323001

Ion	Ratio	Lower	Upper
82	100		
128	43.3	29.5	44.3
54	53.1	44.6	67.0



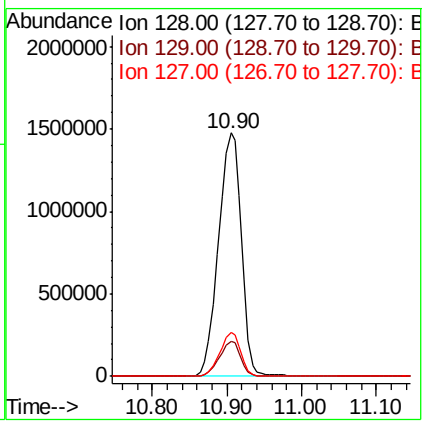


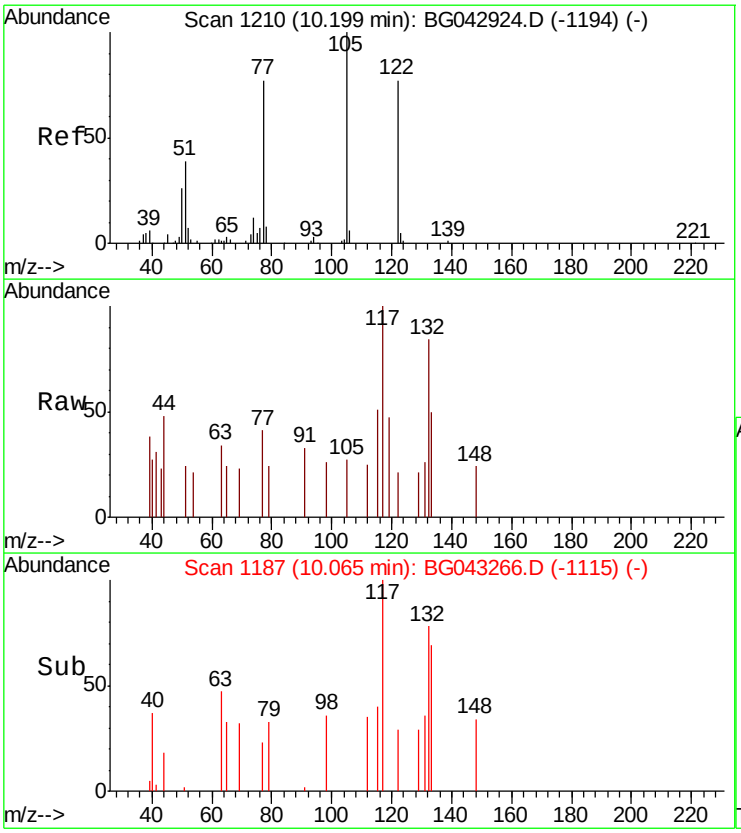
#31
Naphthalene
Concen: 298.773 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:128 Resp: 3155333

Ion	Ratio	Lower	Upper
128	100		
129	14.5	8.8	13.2#
127	18.0	11.3	16.9#

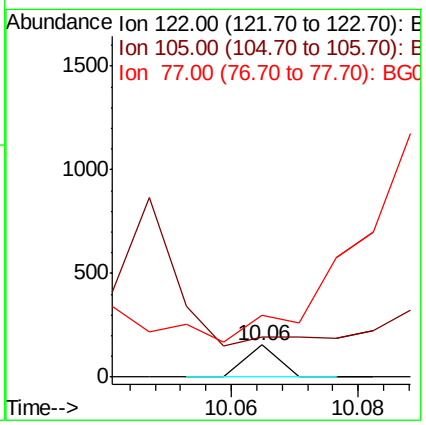


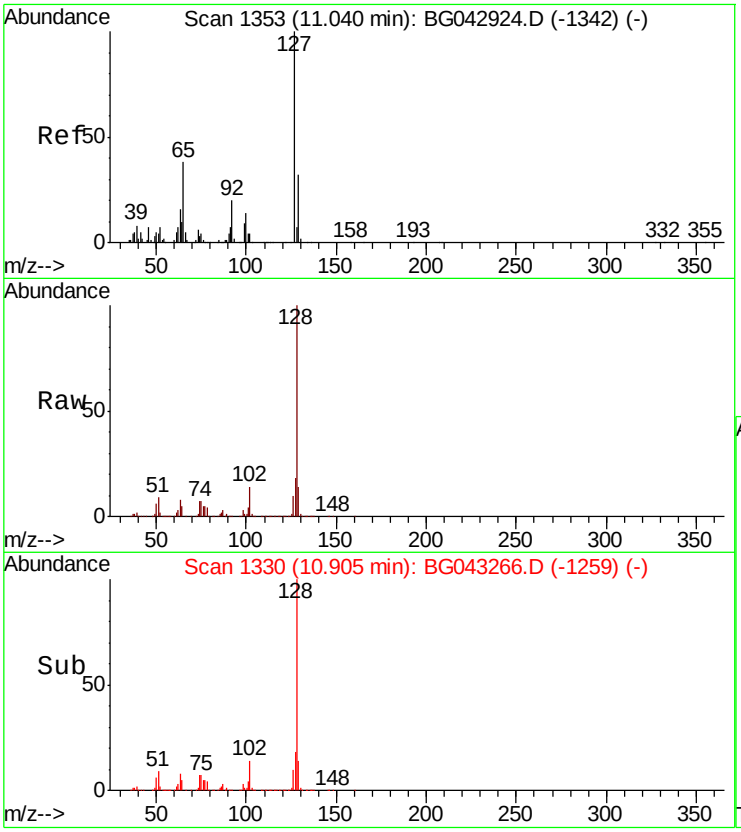


#32
Benzoic acid
Concen: 2.826 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.11 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:122 Resp: 54

Ion	Ratio	Lower	Upper
122	100		
105	126.0	107.5	147.5
77	192.2	79.8	119.8#



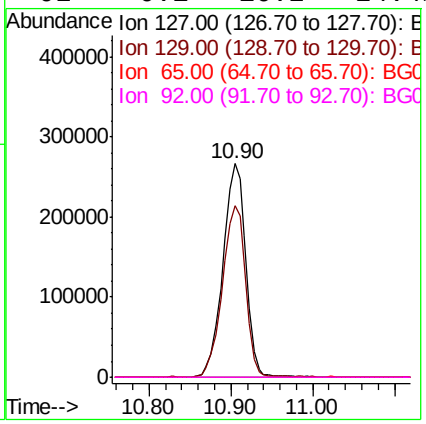


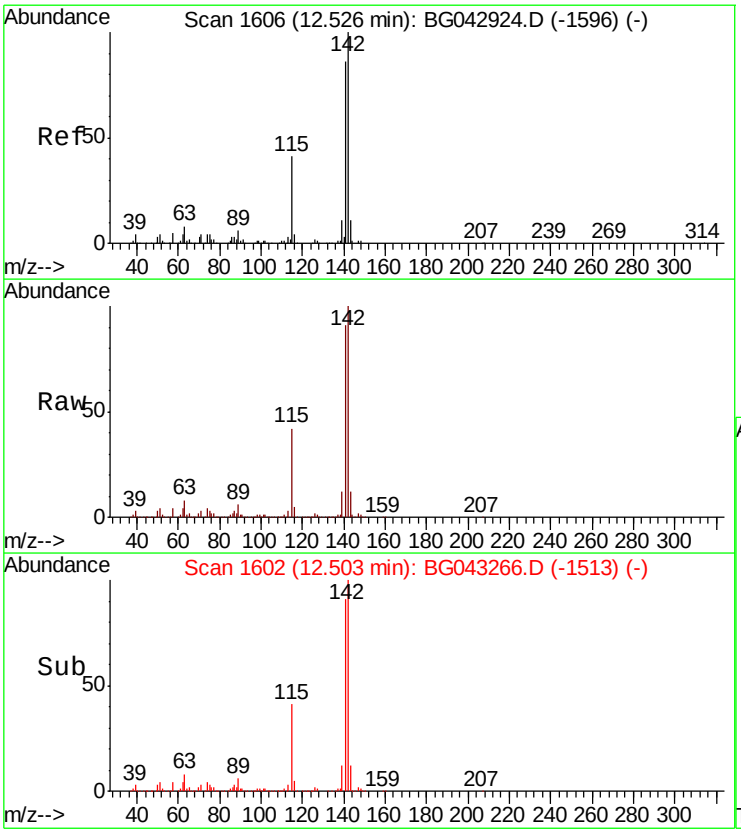
#33
4-Chloroaniline
Concen: 112.904 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.12 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:127 Resp: 517403

Ion	Ratio	Lower	Upper
127	100		
129	80.1	26.2	39.2#
65	0.0	30.6	45.8#
92	0.1	16.2	24.4#

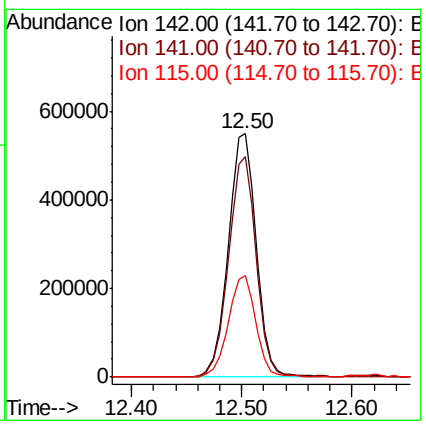


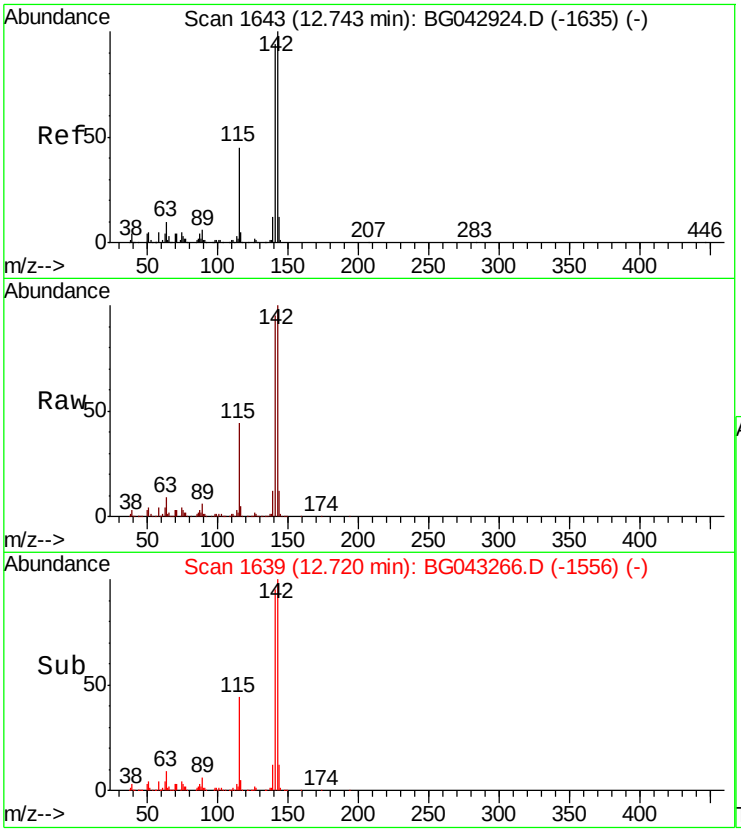


#37
2-Methylnaphthalene
Concen: 121.064 ng
RT: 12.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:142 Resp: 975371

Ion	Ratio	Lower	Upper
142	100		
141	90.5	69.0	103.4
115	41.6	32.8	49.2



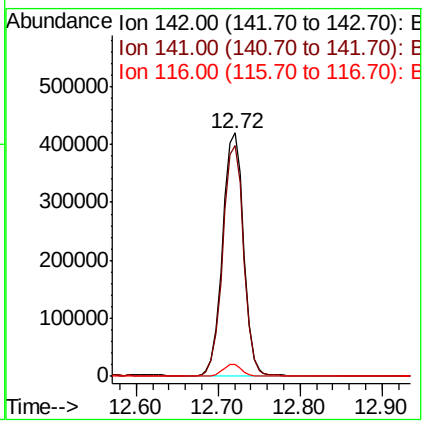


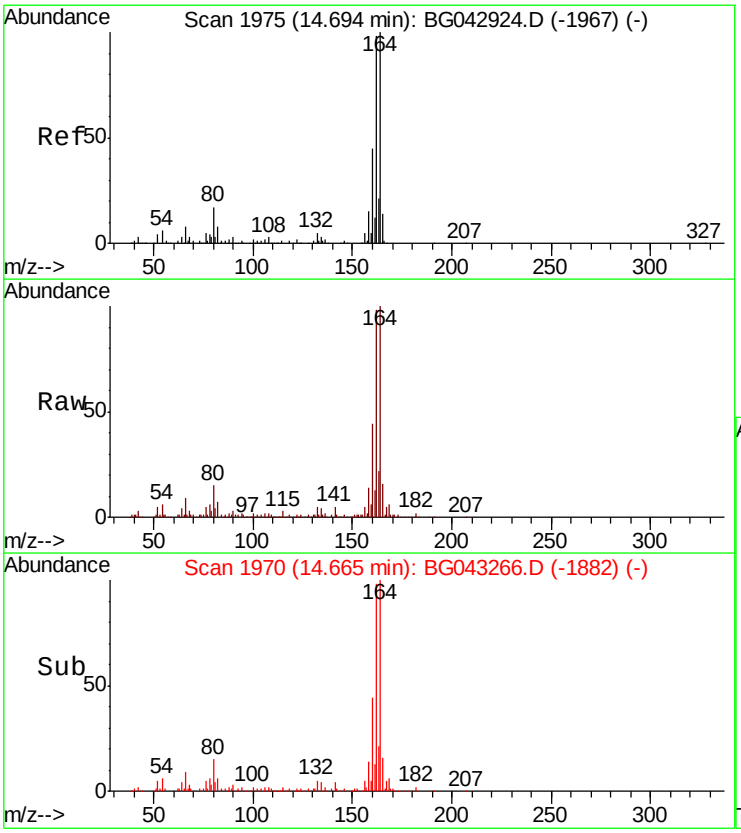
#38
1-Methylnaphthalene
Concen: 98.397 ng
RT: 12.72 min Scan# 1639
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:142 Resp: 750127

Ion	Ratio	Lower	Upper
142	100		
141	94.7	74.9	112.3
116	4.8	3.7	5.5

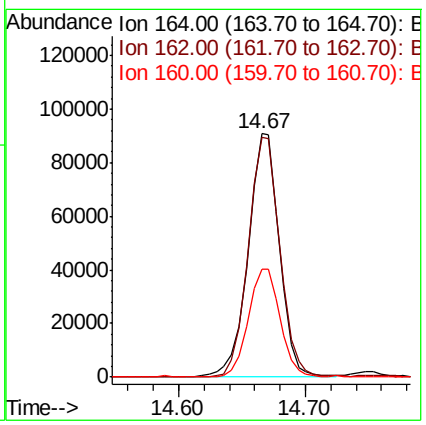


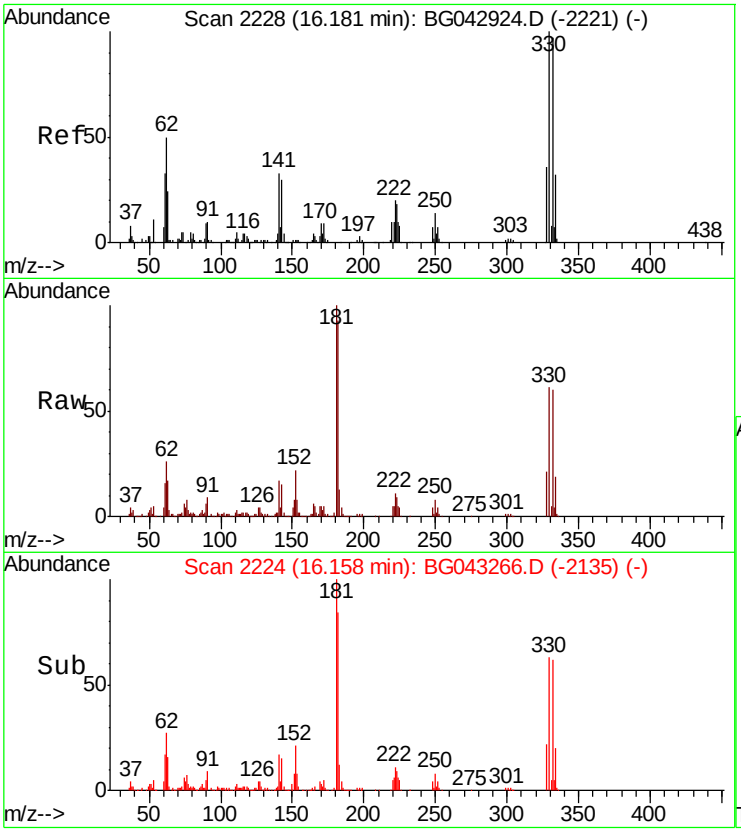


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1970
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:164 Resp: 156338

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.5	117.7
160	44.2	35.9	53.9



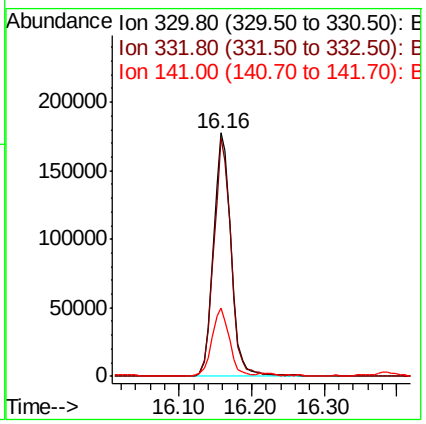


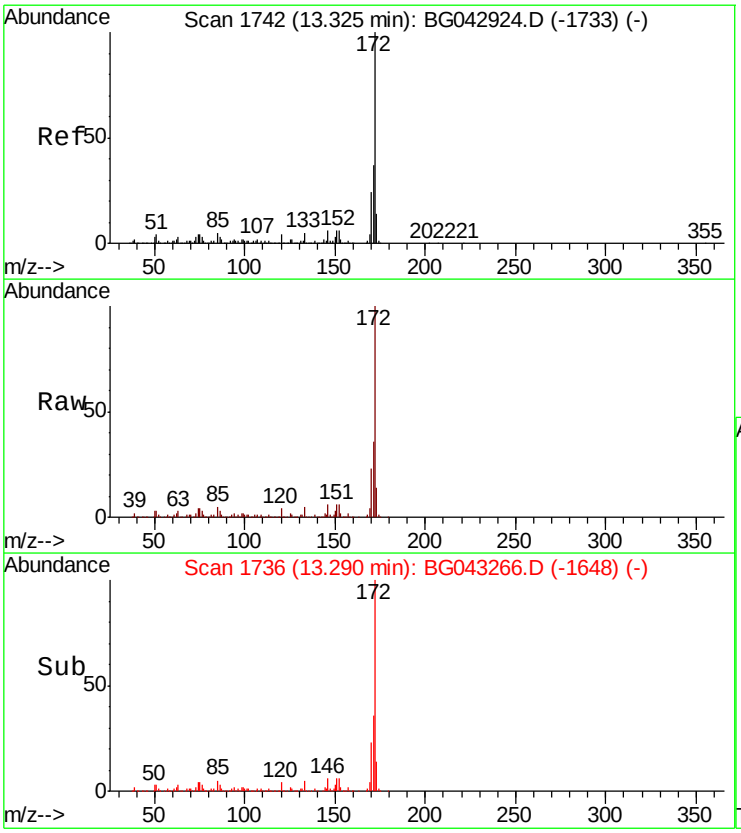
#42
2,4,6-Tribromophenol
Concen: 110.954 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:330 Resp: 298281

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.2	117.2
141	27.0	26.0	39.0

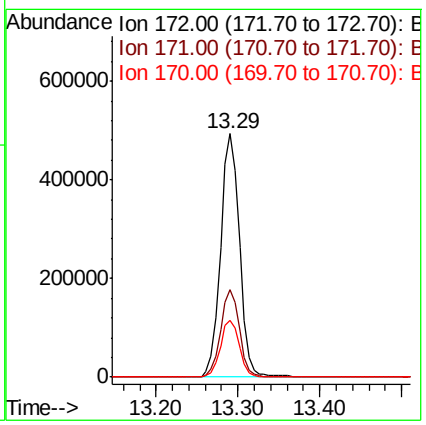


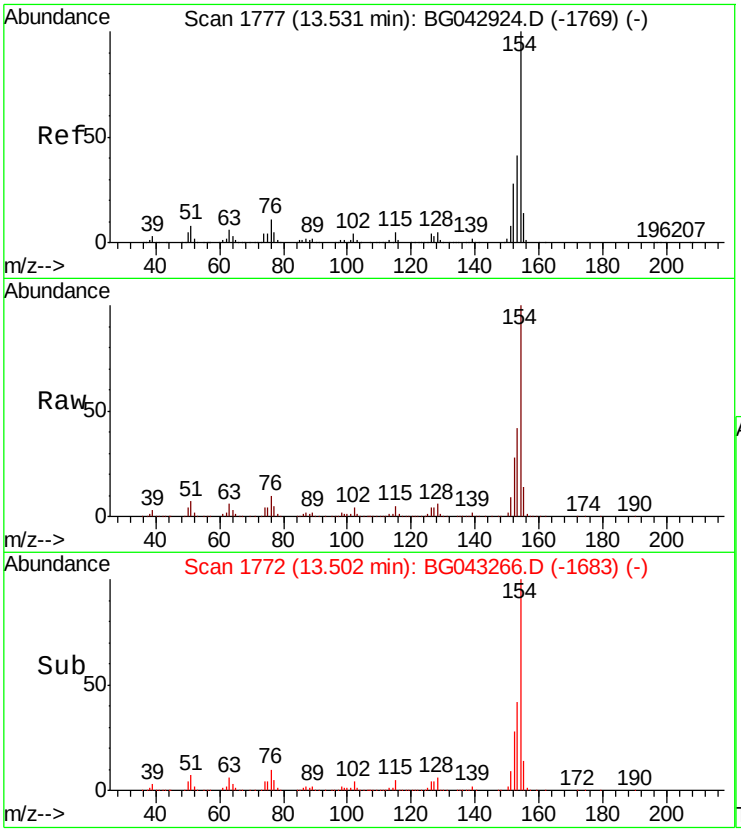


#45
2-Fluorobiphenyl
Concen: 73.866 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:172 Resp: 796581

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.3	19.6	29.4



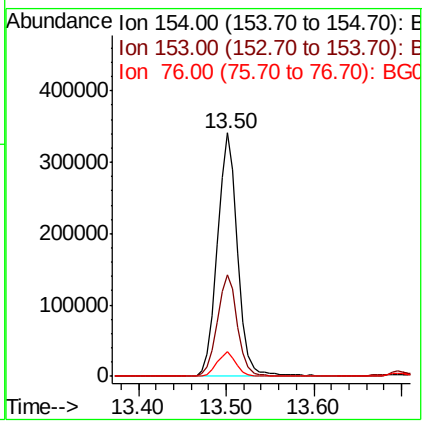


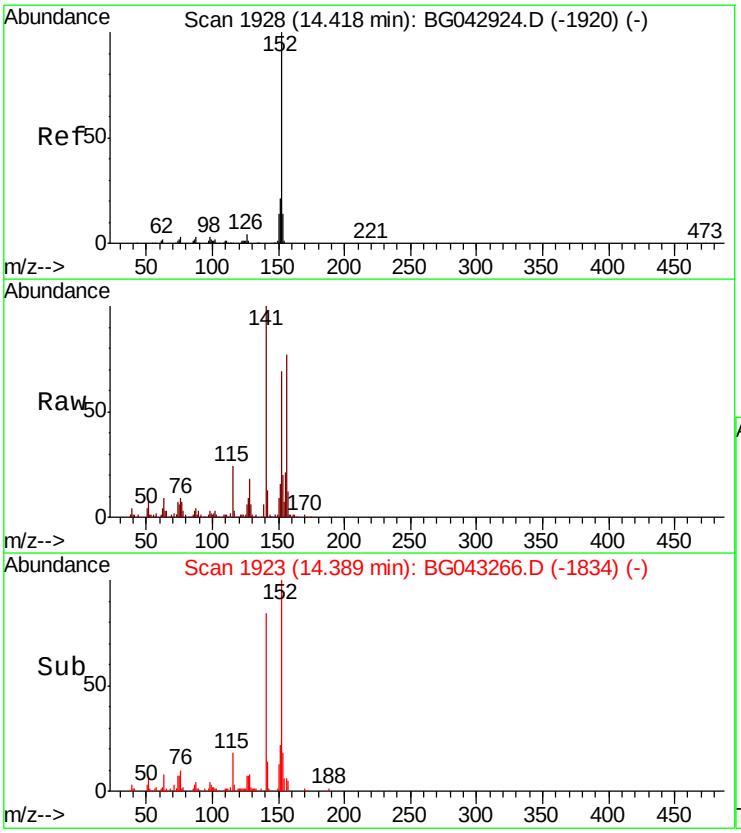
#46
1,1'-Biphenyl
Concen: 45.906 ng
RT: 13.50 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:154 Resp: 544254

Ion	Ratio	Lower	Upper
154	100		
153	42.0	21.4	61.4
76	10.4	0.0	31.3

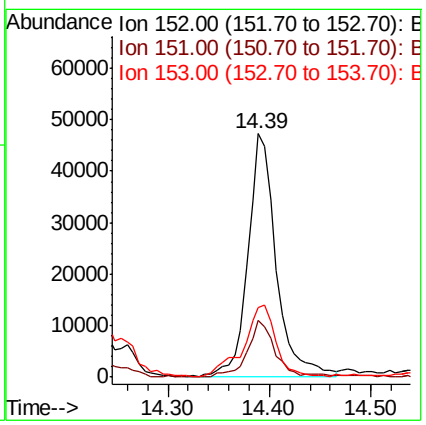


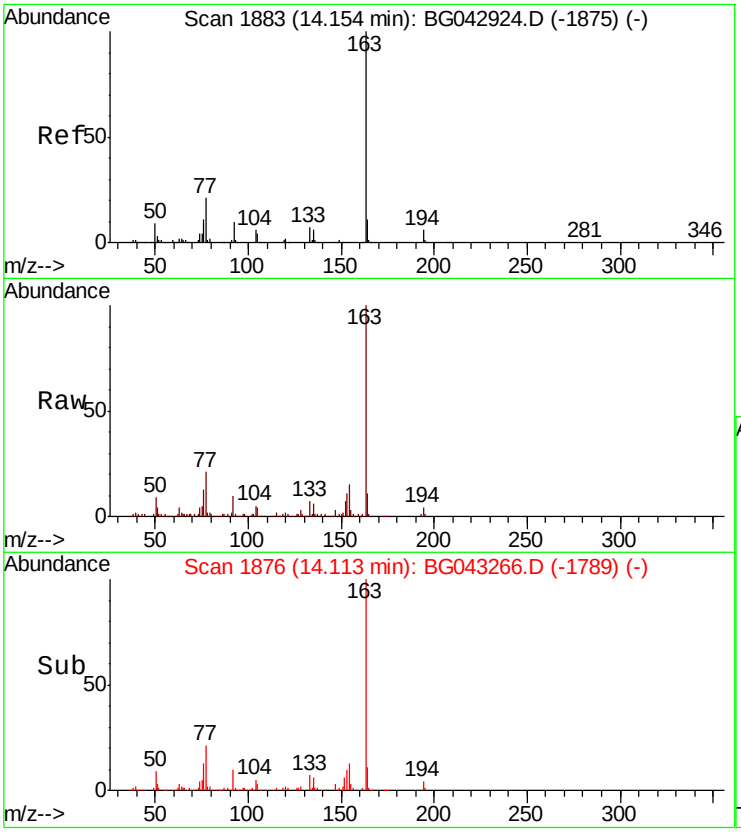


#49
Acenaphthylene
Concen: 6.776 ng
RT: 14.39 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:152 Resp: 92158

Ion	Ratio	Lower	Upper
152	100		
151	23.4	16.8	25.2
153	28.6	11.3	16.9#



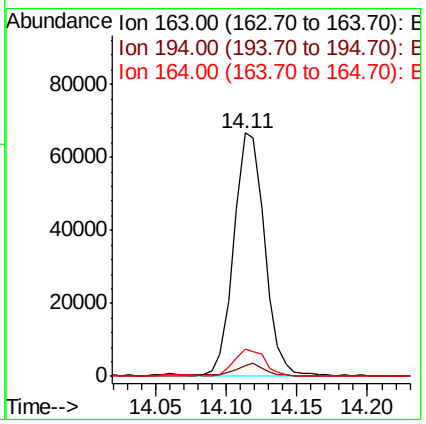


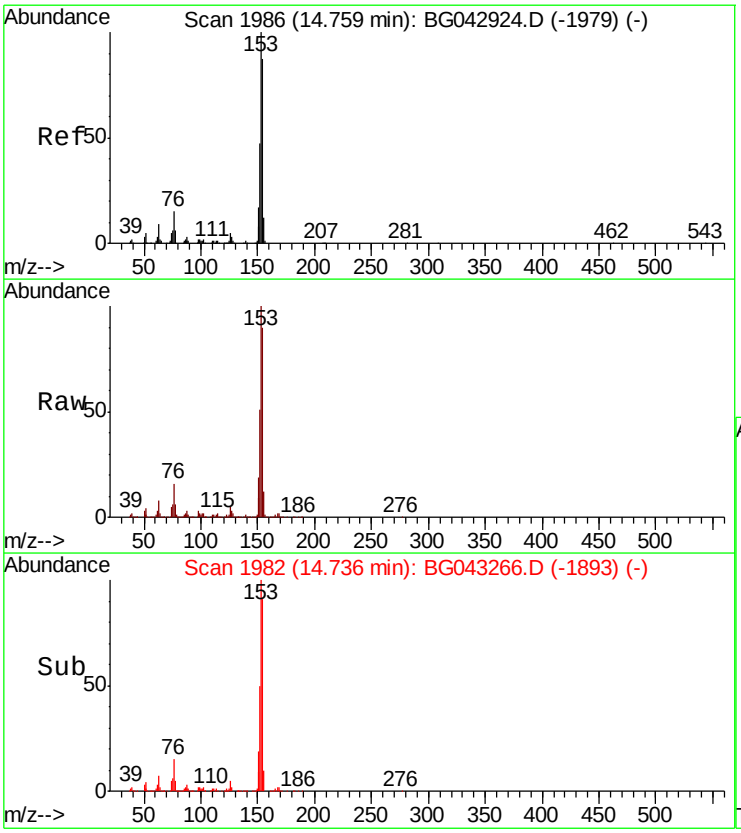
#50
Dimethylphthalate
Concen: 8.730 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:163 Resp: 102261

Ion	Ratio	Lower	Upper
163	100		
194	4.1	4.4	6.6#
164	11.4	8.6	12.8

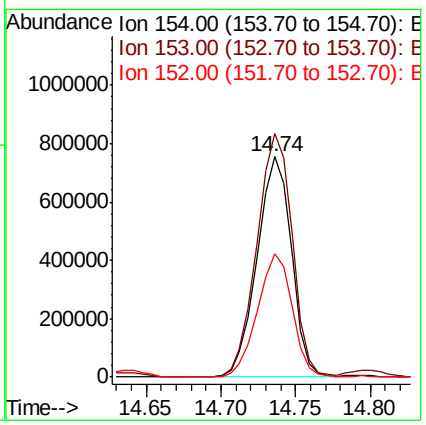


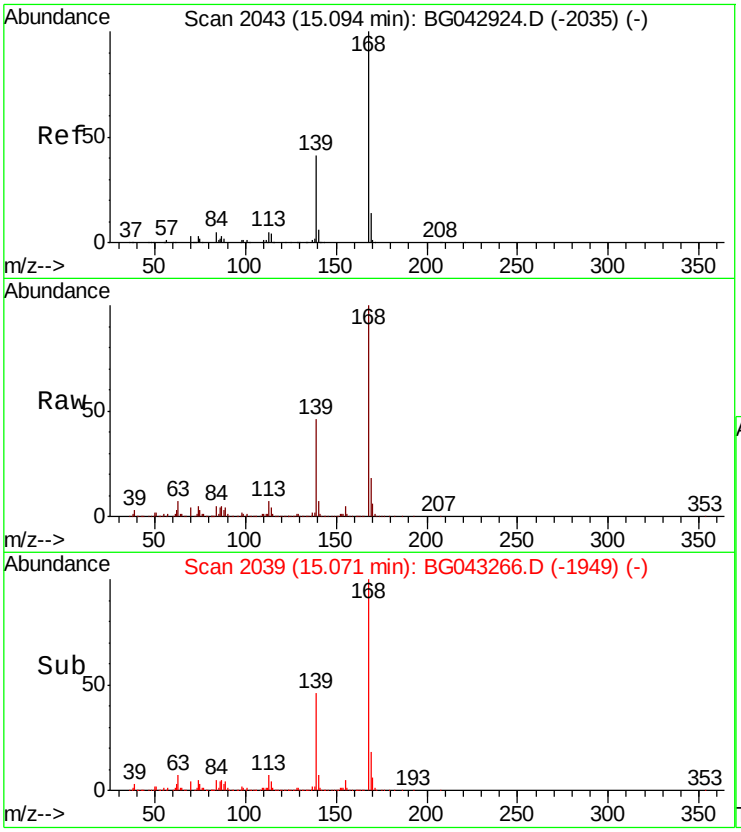


#52
Acenaphthene
Concen: 131.965 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:154 Resp: 1201414

Ion	Ratio	Lower	Upper
154	100		
153	110.6	91.4	137.0
152	56.0	42.8	64.2



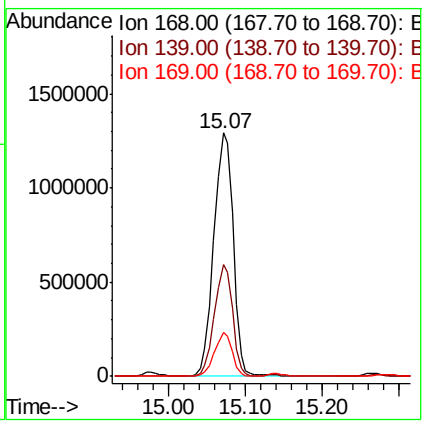


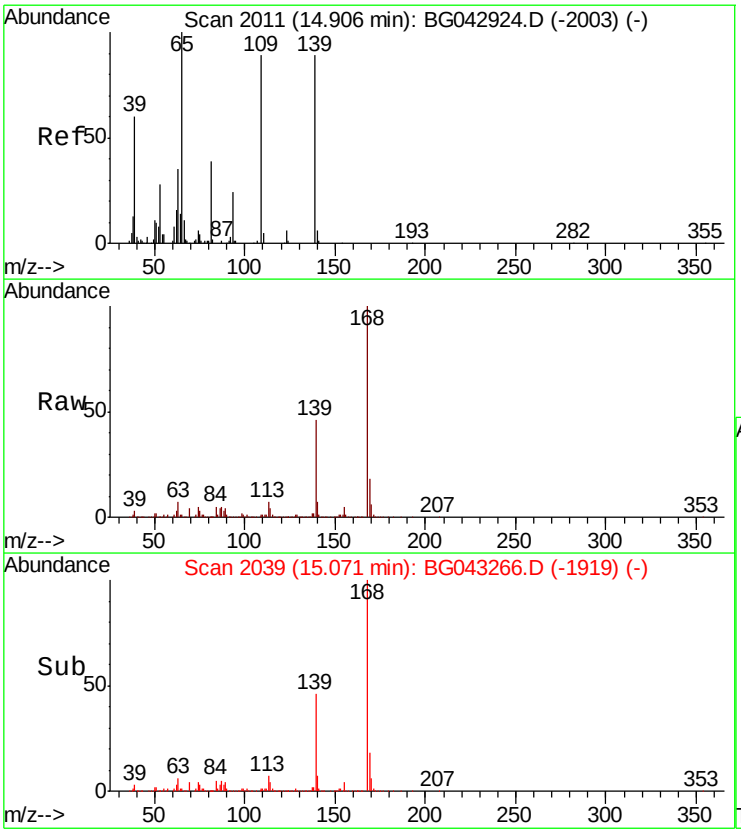
#55
Dibenzofuran
Concen: 166.719 ng
RT: 15.07 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:168 Resp: 2245284

Ion	Ratio	Lower	Upper
168	100		
139	45.7	32.6	48.8
169	18.3	11.2	16.8#

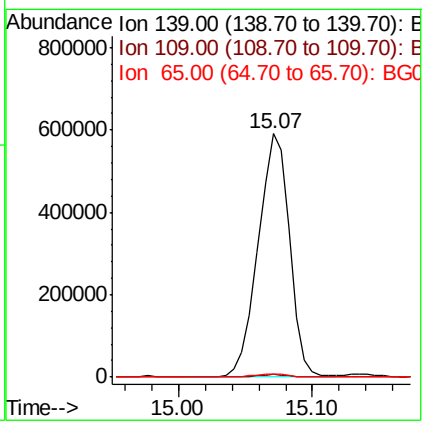


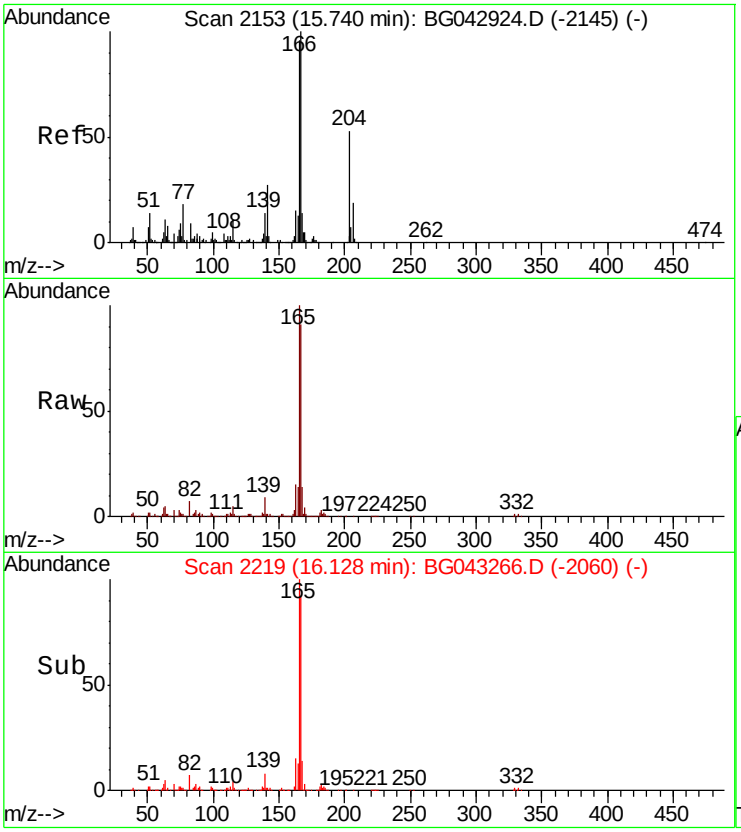


#56
4-Nitrophenol
Concen: 488.819 ng
RT: 15.07 min Scan# 2039
Delta R.T. 0.17 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:139 Resp: 960166

Ion	Ratio	Lower	Upper
139	100		
109	1.2	79.4	119.4#
65	1.4	92.5	132.5#



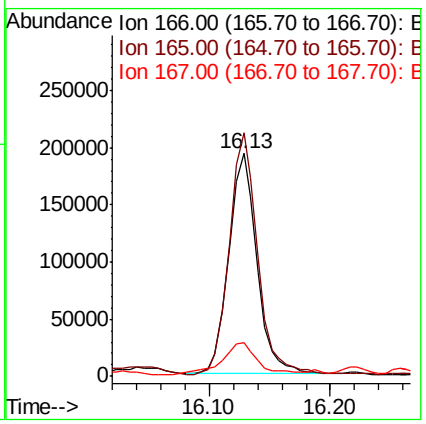


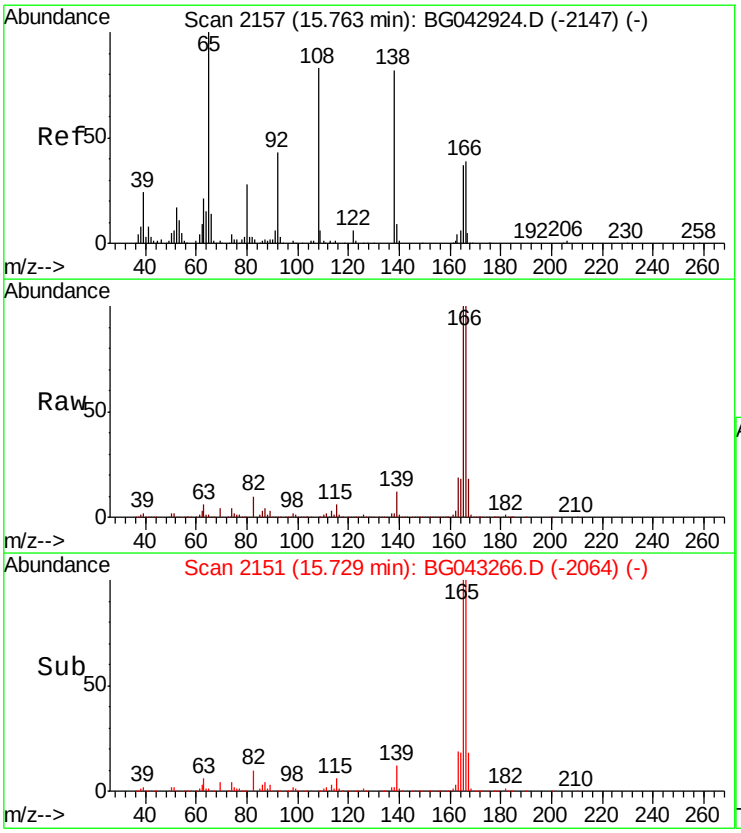
#58
Fluorene
Concen: 27.174 ng
RT: 16.13 min Scan# 2219
Delta R.T. 0.40 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:166 Resp: 312439

Ion	Ratio	Lower	Upper
166	100		
165	109.4	77.1	115.7
167	15.1	11.0	16.6

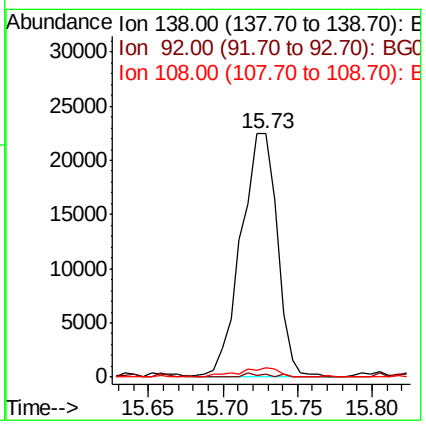


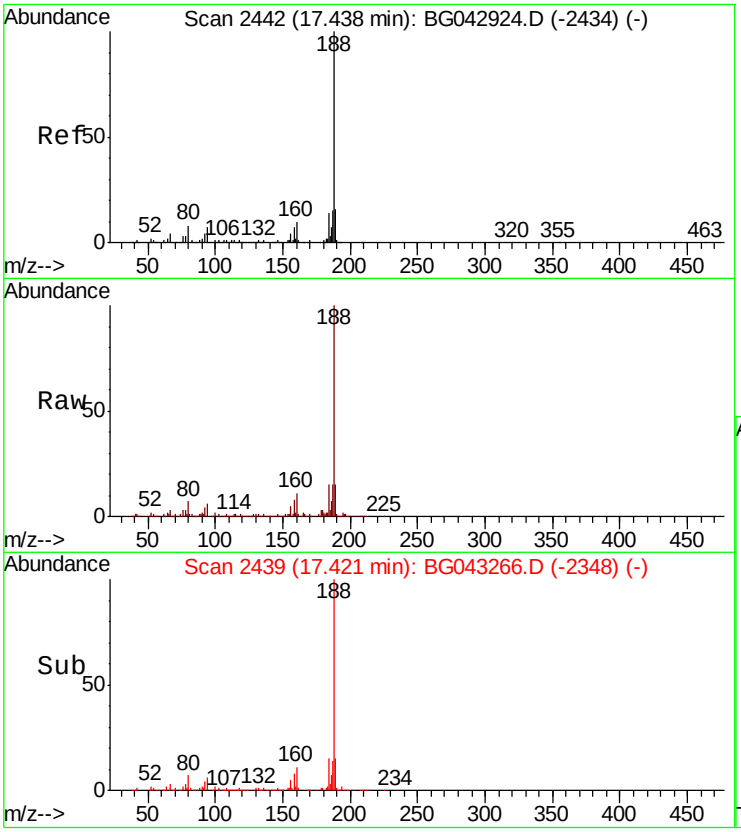


#62
4-Nitroaniline
Concen: 13.460 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:138 Resp: 37843

Ion	Ratio	Lower	Upper
138	100		
92	1.4	32.9	72.9#
108	3.8	81.3	121.3#



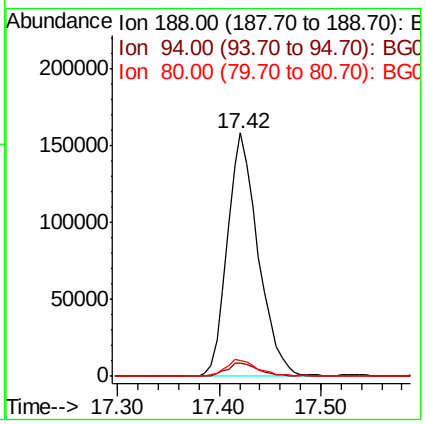


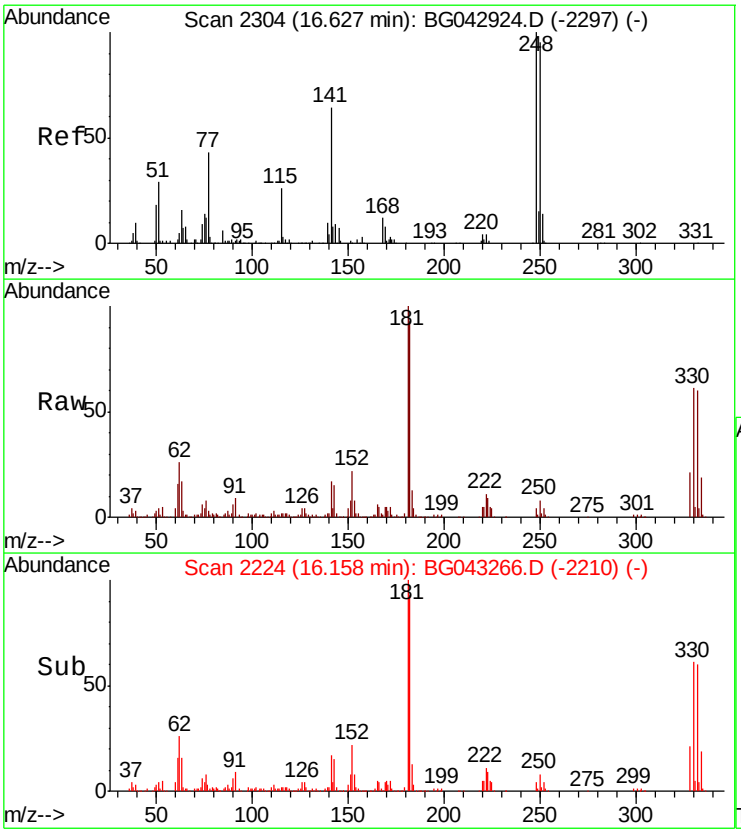
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:188 Resp: 332838

Ion	Ratio	Lower	Upper
188	100		
94	5.5	5.7	8.5#
80	6.5	6.5	9.7

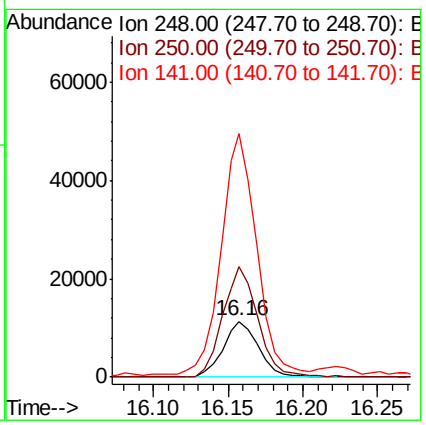


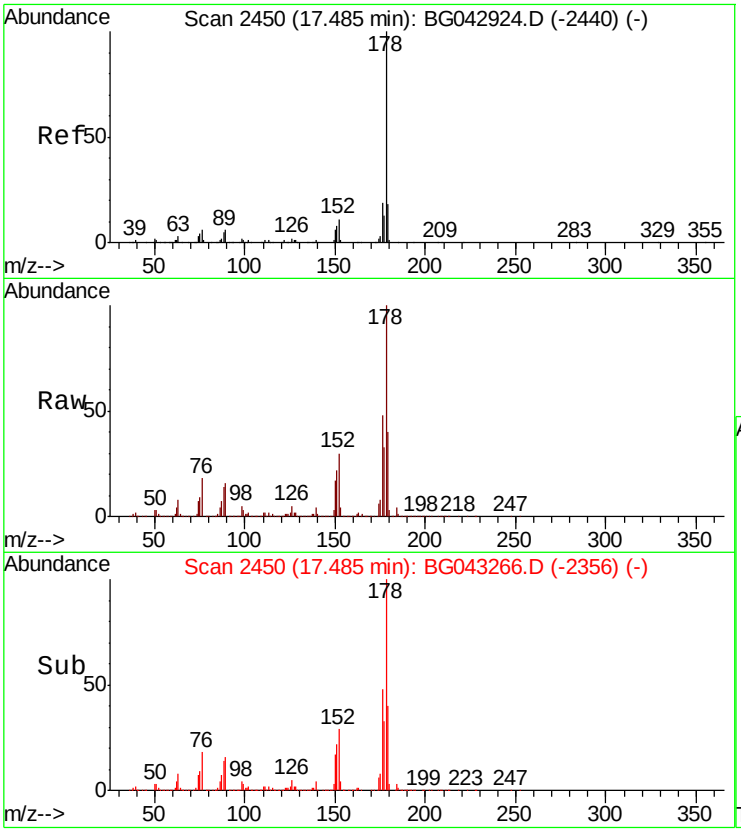


#67
4-Bromophenyl-phenylether
Concen: 4.452 ng
RT: 16.16 min Scan# 2224
Delta R.T. -0.45 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:248 Resp: 18598

Ion	Ratio	Lower	Upper
248	100		
250	199.2	75.8	113.8#
141	438.3	51.1	76.7#



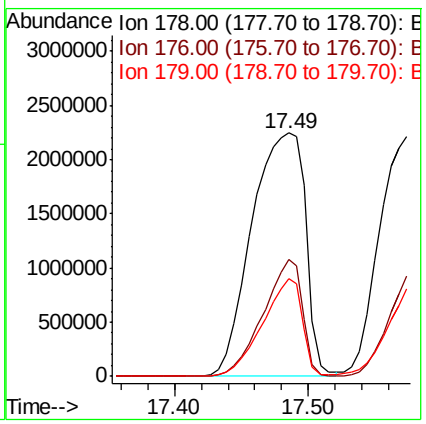


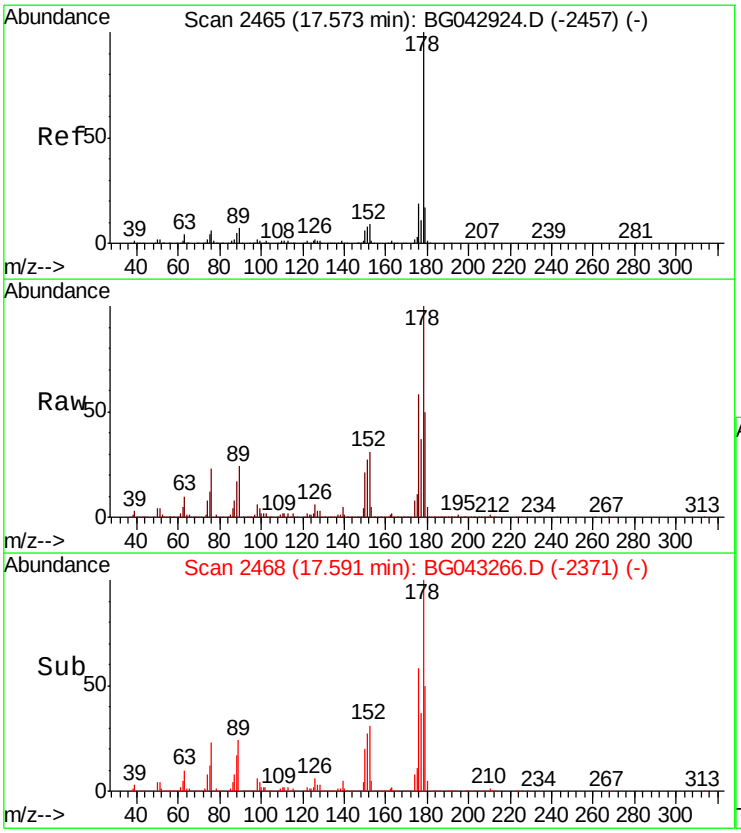
#71
Phenanthrene
Concen: 386.273 ng
RT: 17.49 min Scan# 2450
Delta R.T. 0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:178 Resp: 6276649

Ion	Ratio	Lower	Upper
178	100		
176	48.2	15.1	22.7#
179	40.0	14.1	21.1#

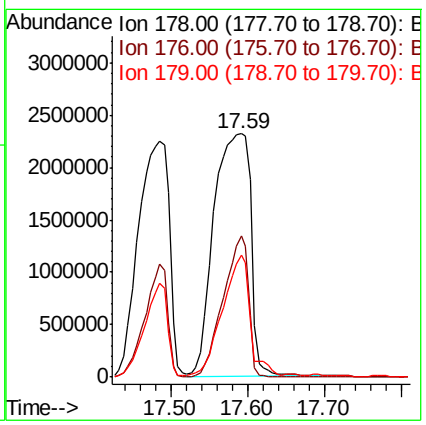


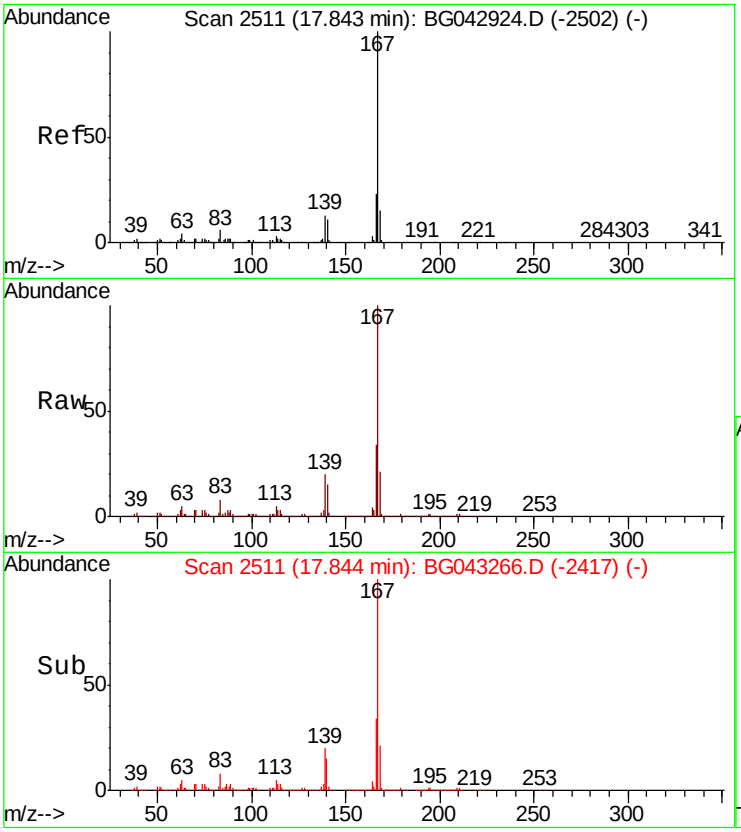


#72
Anthracene
Concen: 472.639 ng
RT: 17.59 min Scan# 2468
Delta R.T. 0.04 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:178 Resp: 7667082

Ion	Ratio	Lower	Upper
178	100		
176	58.0	15.5	23.3#
179	50.3	13.5	20.3#



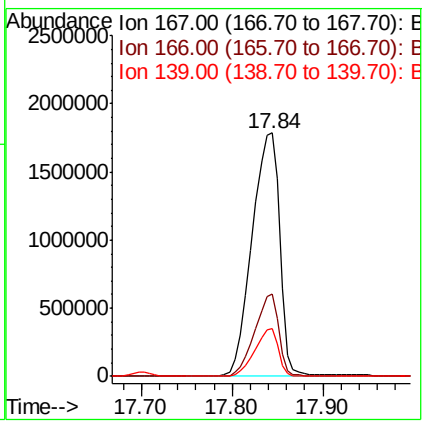


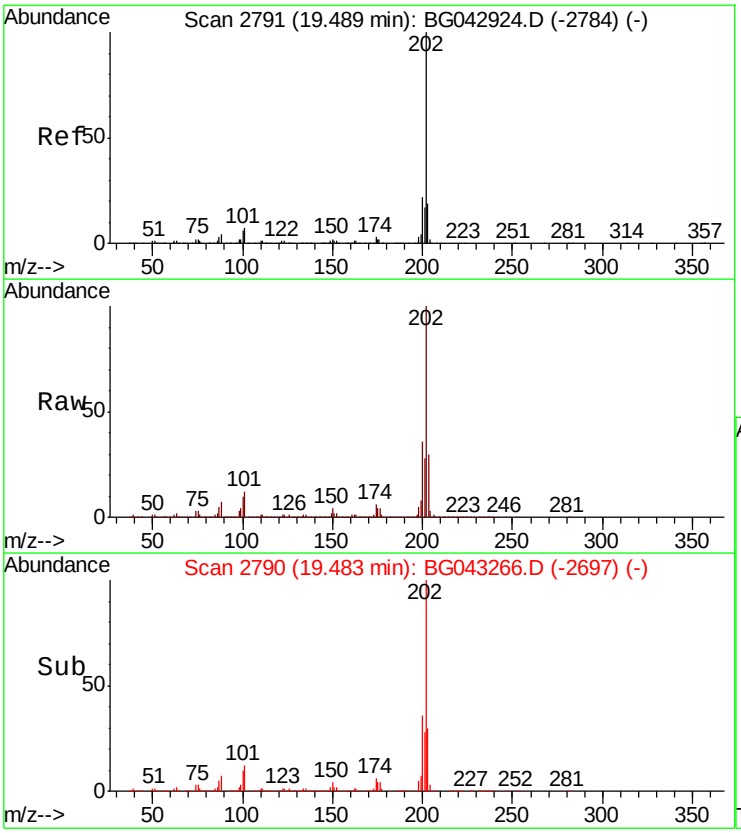
#73
Carbazole
Concen: 253.459 ng
RT: 17.84 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:167 Resp: 3812768

Ion	Ratio	Lower	Upper
167	100		
166	33.6	18.6	28.0#
139	19.7	10.8	16.2#

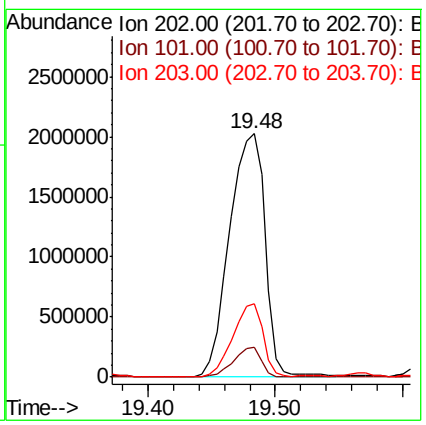


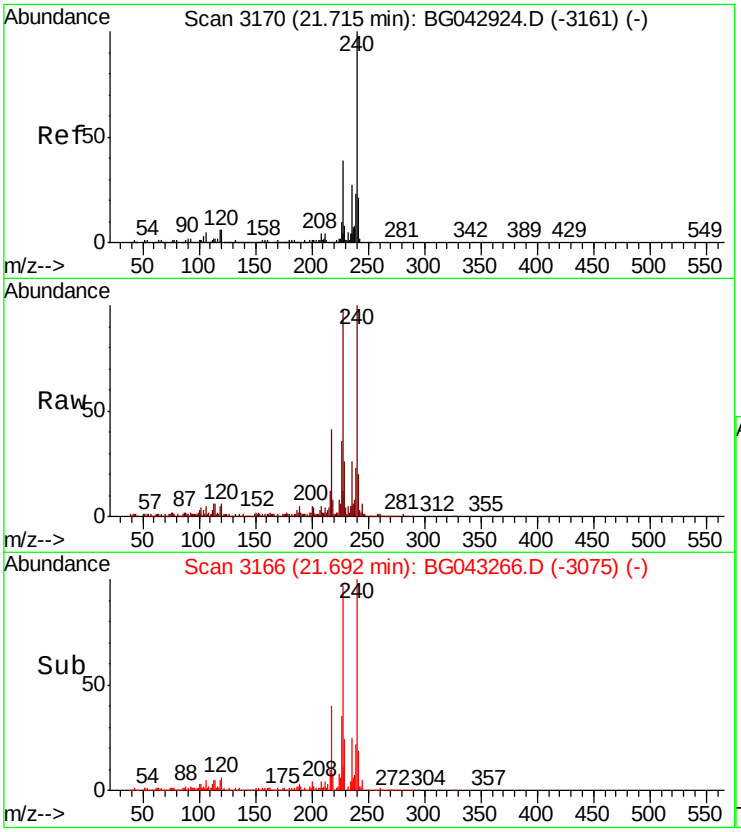


#75
Fluoranthene
Concen: 183.091 ng
RT: 19.48 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:202 Resp: 3935105

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	27.3
203	30.4	0.0	39.5



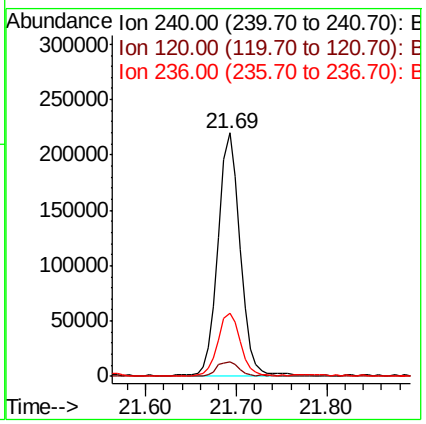


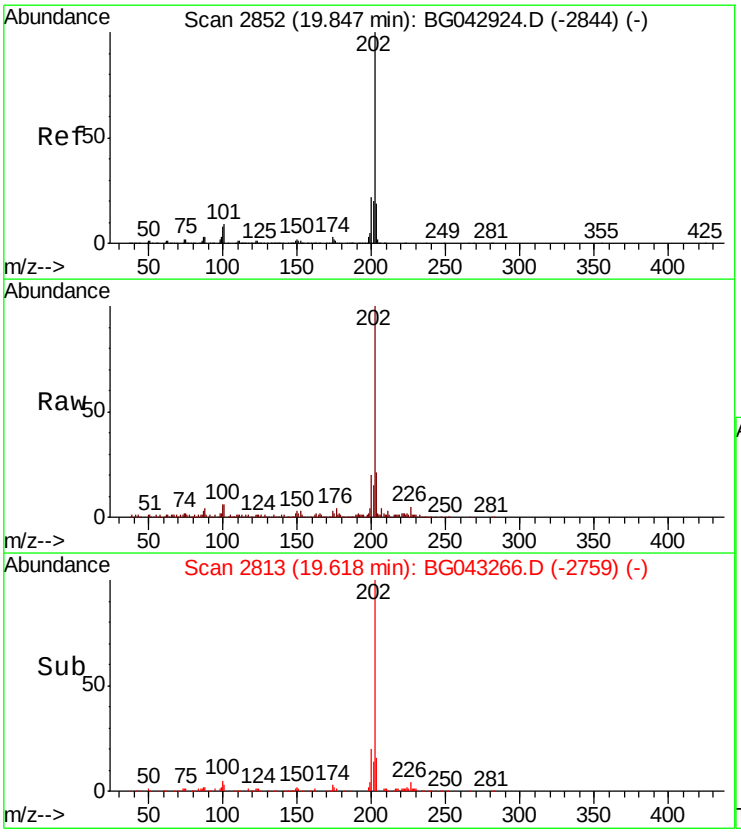
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:240 Resp: 368360

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.8	7.2
236	25.9	21.4	32.0

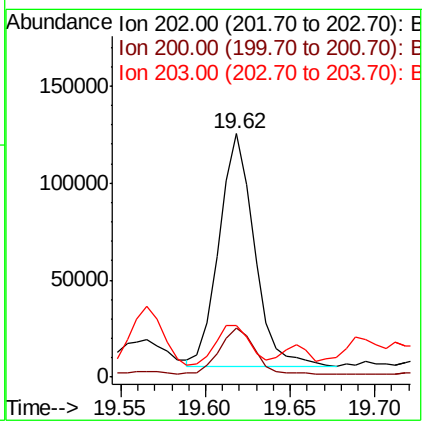


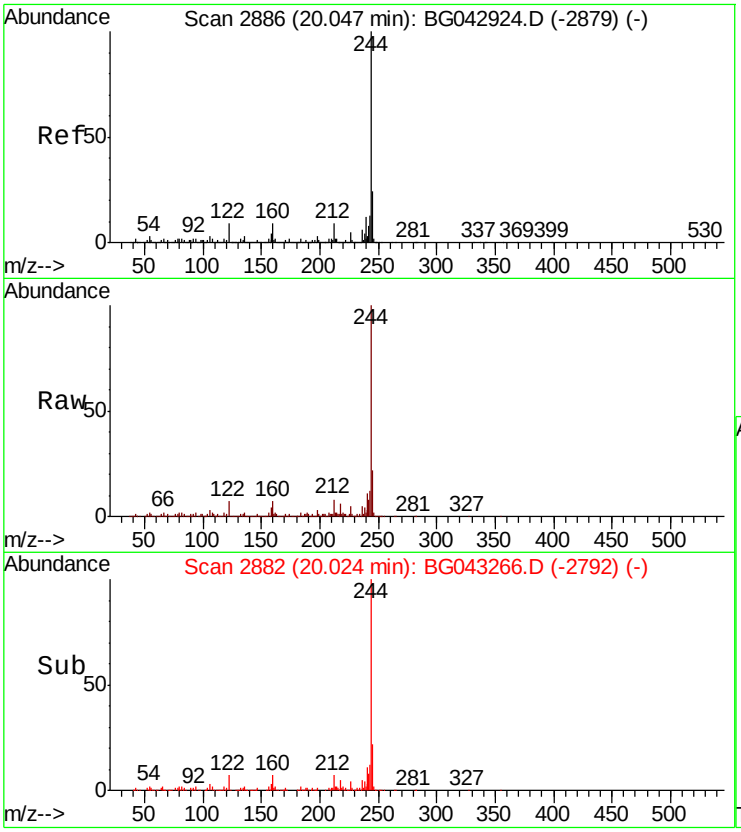


#78
Pyrene
Concen: 7.991 ng
RT: 19.62 min Scan# 2813
Delta R.T. -0.22 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:202 Resp: 175684

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	21.0	15.2	22.8



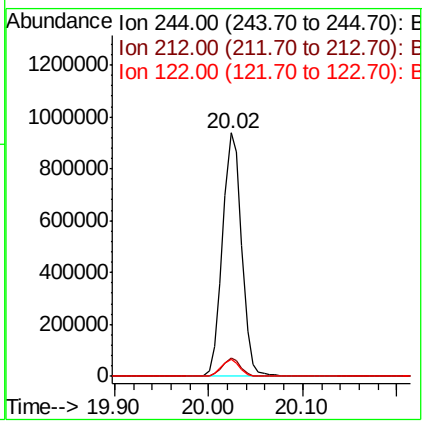


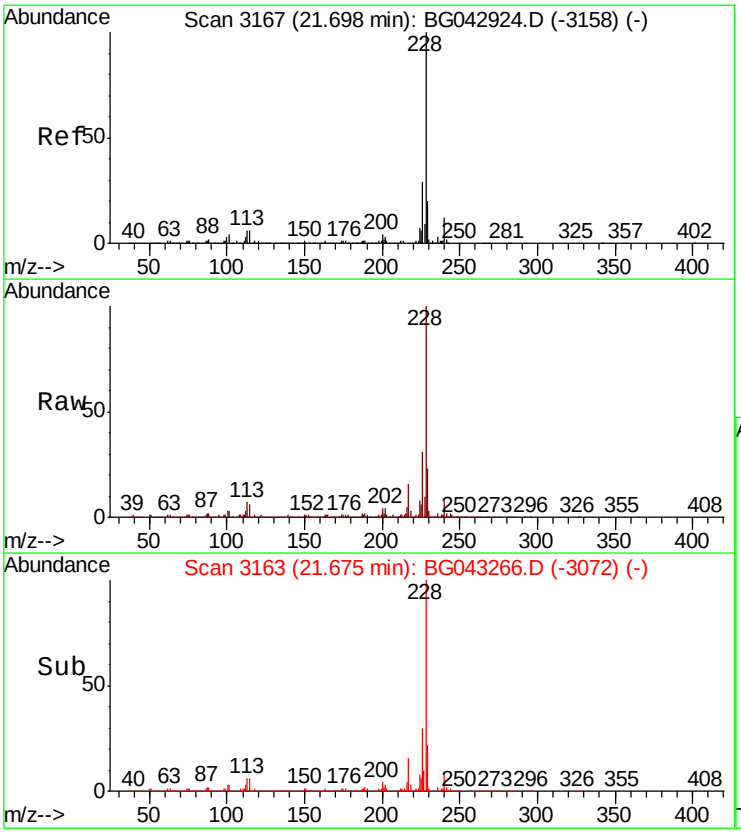
#79
Terphenyl-d14
Concen: 76.915 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:244 Resp: 1329611

Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.4	11.0
122	7.1	7.0	10.4

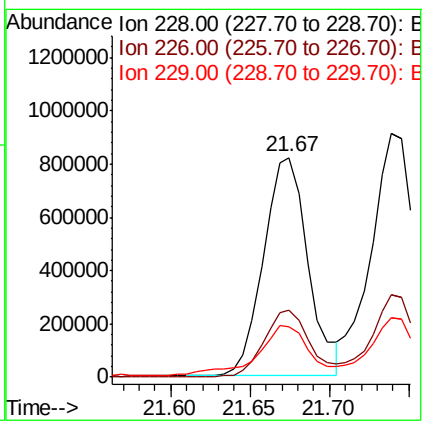


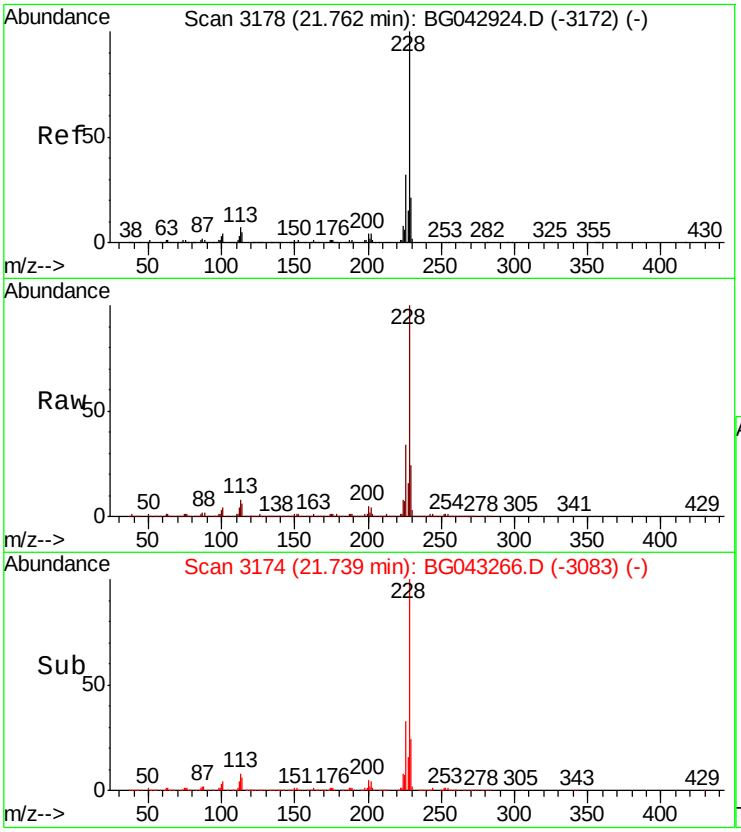


#81
Benzo(a)anthracene
Concen: 69.706 ng
RT: 21.67 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:228 Resp: 1599895

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	22.8	16.3	24.5



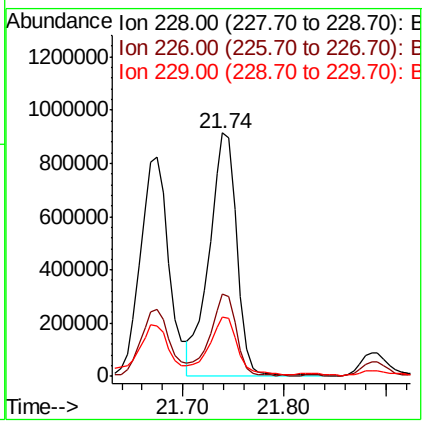


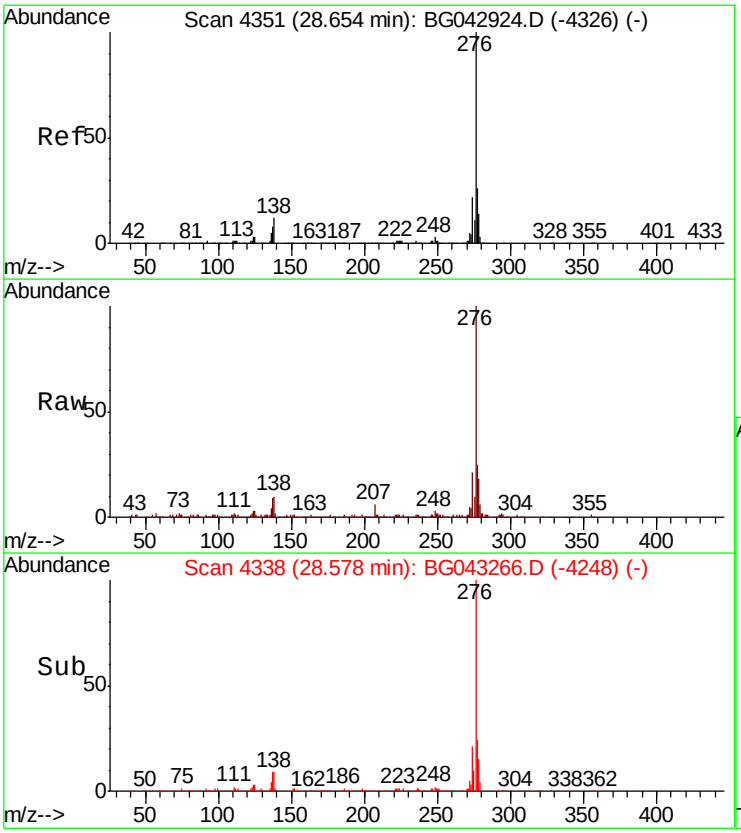
#83
Chrysene
Concen: 76.463 ng
RT: 21.74 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:228 Resp: 1703104

Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.6	38.4
229	24.5	16.9	25.3

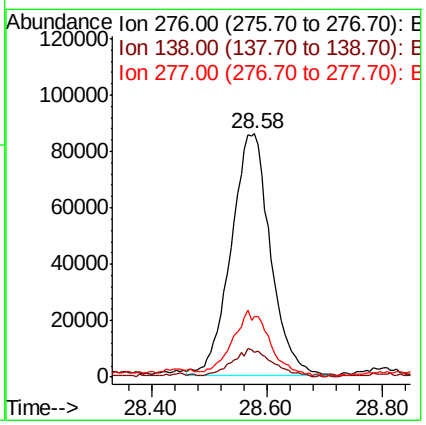


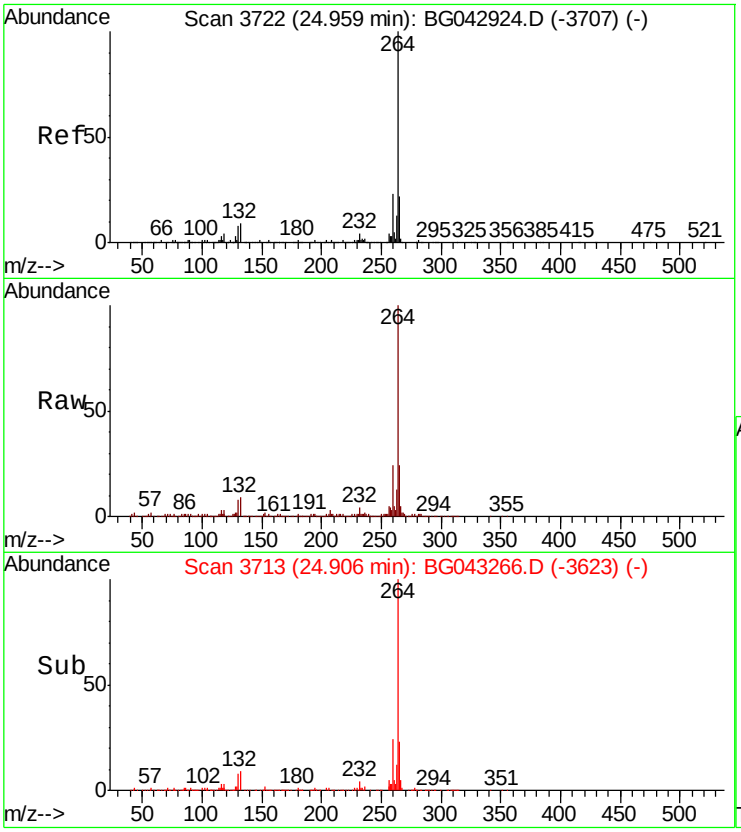


#86
Indeno(1,2,3-cd)pyrene
Concen: 14.710 ng
RT: 28.58 min Scan# 4338
Delta R.T. -0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:276 Resp: 407892

Ion	Ratio	Lower	Upper
276	100		
138	11.3	7.0	10.6#
277	26.0	20.9	31.3



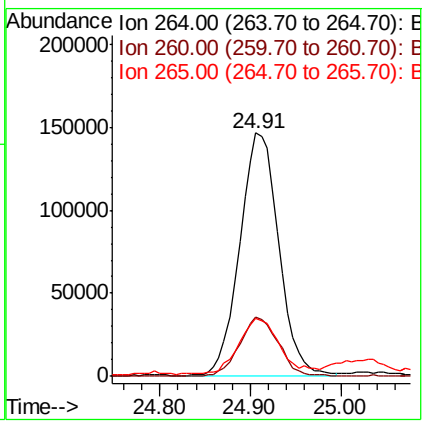


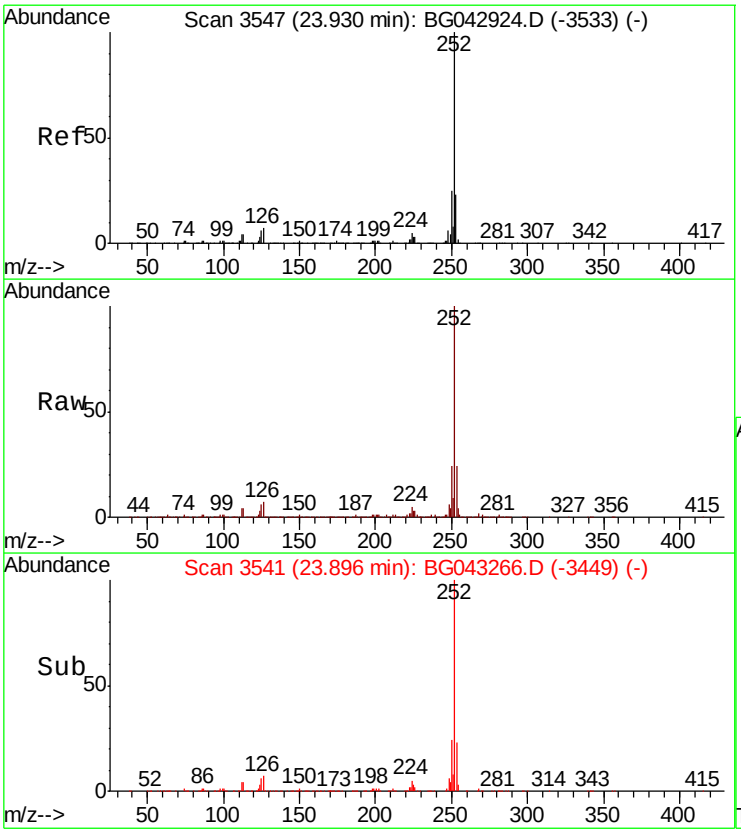
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:264 Resp: 436826

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	23.7	17.7	26.5

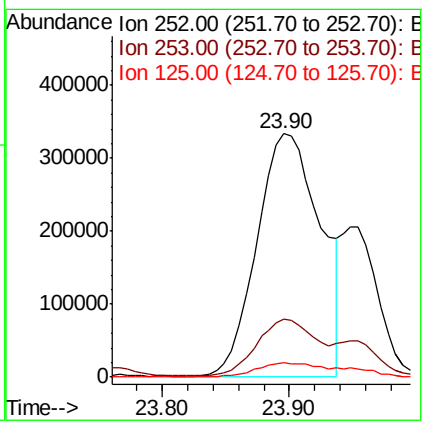


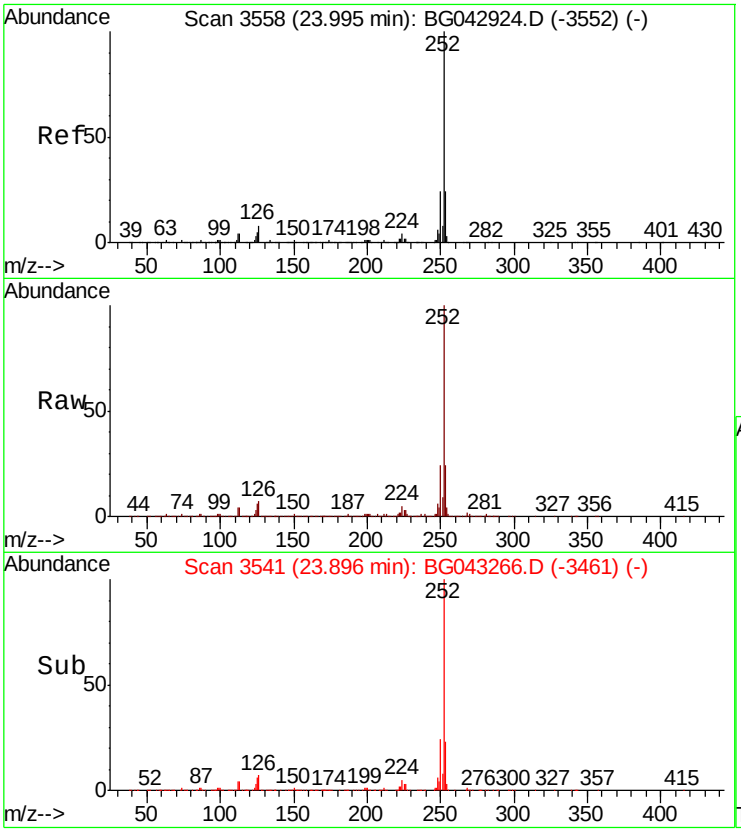


#88
Benzo(b)fluoranthene
Concen: 46.827 ng
RT: 23.90 min Scan# 3541
Delta R.T. 0.01 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:252 Resp: 1157410

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	6.1	4.6	7.0



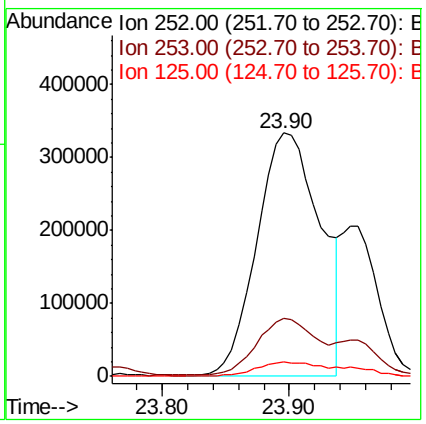


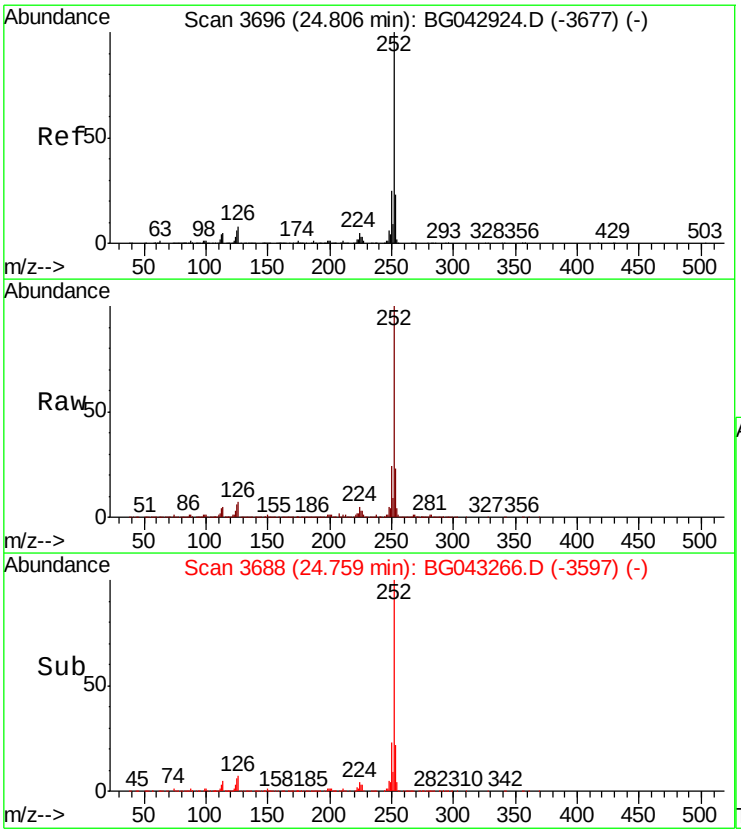
#89
Benzo(k)fluoranthene
Concen: 47.335 ng
RT: 23.90 min Scan# 3541
Delta R.T. -0.06 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:252 Resp: 1157410

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	6.1	4.5	6.7

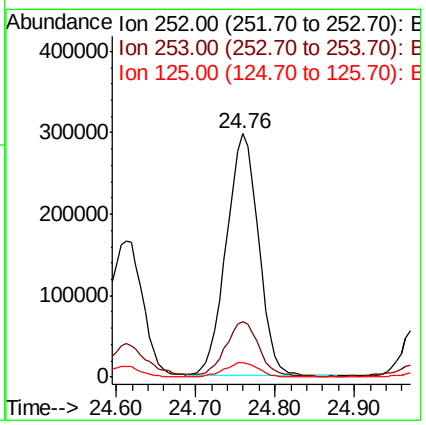


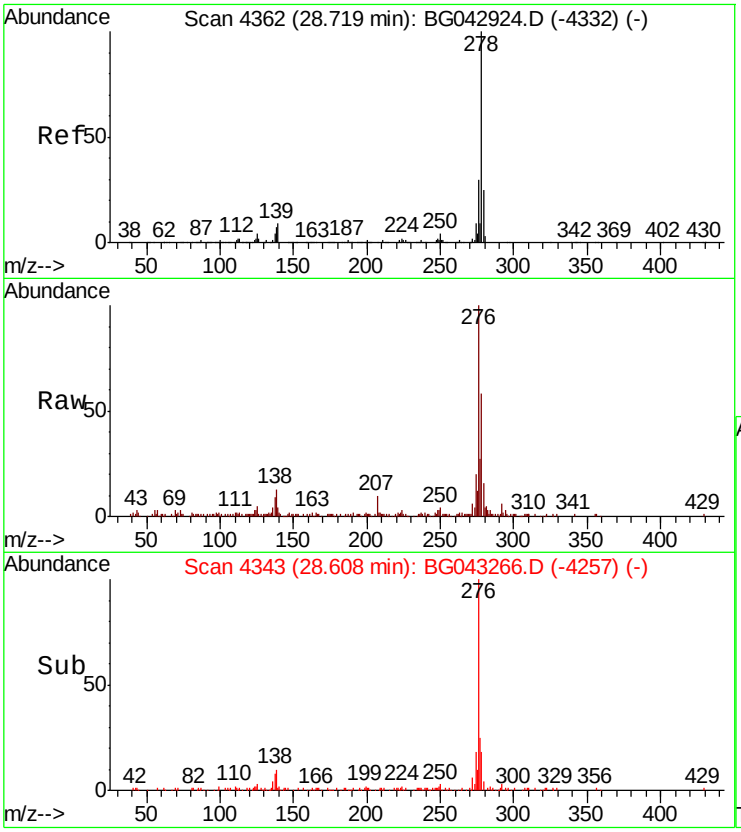


#90
Benzo(a)pyrene
Concen: 35.863 ng
RT: 24.76 min Scan# 3688
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:252 Resp: 836311

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	6.2	5.0	7.6



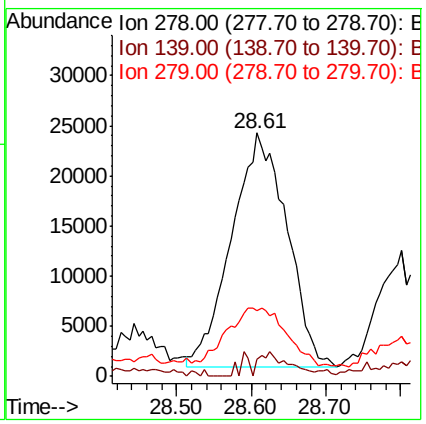


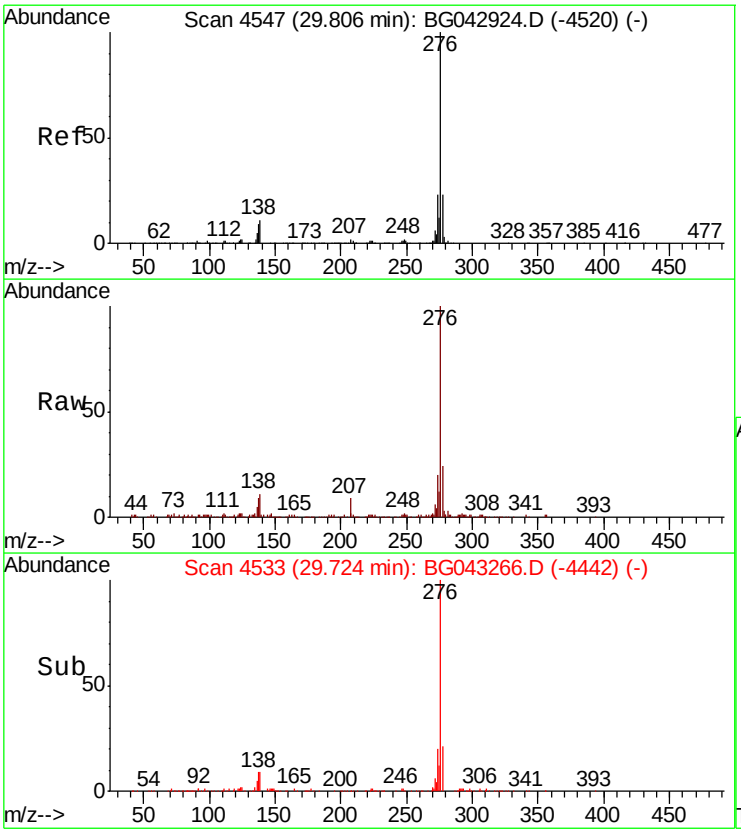
#91
Dibenzo(a,h)anthracene
Concen: 5.038 ng
RT: 28.61 min Scan# 4343
Delta R.T. -0.03 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tgt Ion:278 Resp: 120462

Ion	Ratio	Lower	Upper
278	100		
139	7.1	6.8	10.2
279	27.2	20.1	30.1





#92
Benzo(g,h,i)perylene
Concen: 14.603 ng
RT: 29.72 min Scan# 4533
Delta R.T. 0.00 min
Lab File: BG043266.D
Acq: 17 Oct 2019 17:43

Tgt Ion:276 Resp: 338343

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.4	27.6
138	11.2	8.6	12.8