Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102761.D
Acq On : 6 Feb 2018 2:37
Operator : SJ/JU
Sample : J1447-03 20X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 06 05:04:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	210627	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	829544	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	362539	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	542349	20.00	ng		0.00
75) Chrysene-d12	14.05	240	313572	20.00	ng		0.00
86) Perylene-d12	15.53	264	331792	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	87219	6.29	ng		-0.01
7) Phenol-d6	6.49	99	106483	6.38	ng		-0.02
23) Nitrobenzene-d5	7.43	82	61142	5.11	ng		-0.02
41) 2,4,6-Tribromophenol	10.70	330	16719	5.73	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	128984	5.90	ng		-0.01
78) Terphenyl-d14	12.99	244	84461	6.38	ng		-0.01
Target Compounds							Qvalue
24) Nitrobenzene	7.36	77	293	Below Cal		#	38
25) Isophorone	7.43	82	61141	2.220	ng	#	64
31) Naphthalene	8.18	128	288882	7.128	ng		98
32) Benzoic acid	7.93	122	3843	8.995	ng	#	23
33) 4-Chloroaniline	8.18	127	36859	2.111	ng	#	28
37) 2-Methylnaphthalene	8.87	142	54995	2.073	ng		98
47) 2-Nitroaniline	9.43	65	634	3.551	ng	#	2
48) Acenaphthylene	9.78	152	482051	12.911	ng		99
50) 2,6-Dinitrotoluene	9.92	165	48121	8.948	ng	#	26
53) 2,4-Dinitrophenol	10.24	184	115	8.038	ng	#	34
54) Dibenzofuran	10.12	168	83446	2.652	ng		98
55) 4-Nitrophenol	10.12	139	31739	9.567	ng	#	12
56) 2,4-Dinitrotoluene	10.22	165	2874	3.448	ng	#	62
57) Fluorene	10.46	166	156154	6.820	ng		99
64) 4,6-Dinitro-2-methylphenol	10.73	198	538	9.013	ng	#	1
70) Phenanthrene	11.43	178	1245250	41.226	ng		99
71) Anthracene	11.48	178	596073	19.402	ng		99
72) Carbazole	11.63	167	182546	6.065	ng		99
74) Fluoranthene	12.63	202	1705088	56.107	ng		99
77) Pyrene	12.86	202	1568297	63.781	ng		100
80) Benzo(a)anthracene	14.07	228	768947	38.992	ng		95
82) Chrysene	14.07	228	768947	38.680	ng		97
85) Indeno(1,2,3-cd)pyrene	17.02	276	455287	27.614	ng		95
87) Benzo(b)fluoranthene	15.10	252	1612096	74.942	ng	#	95
88) Benzo(k)fluoranthene	15.10	252	1612096	78.433	ng		98
89) Benzo(a)pyrene	15.47	252	903592	46.666	ng		96
90) Dibenzo(a,h)anthracene	17.20	278	111352	7.085	ng		95
91) Benzo(g,h,i)perylene	17.47	276	400881	26.060	ng		99

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

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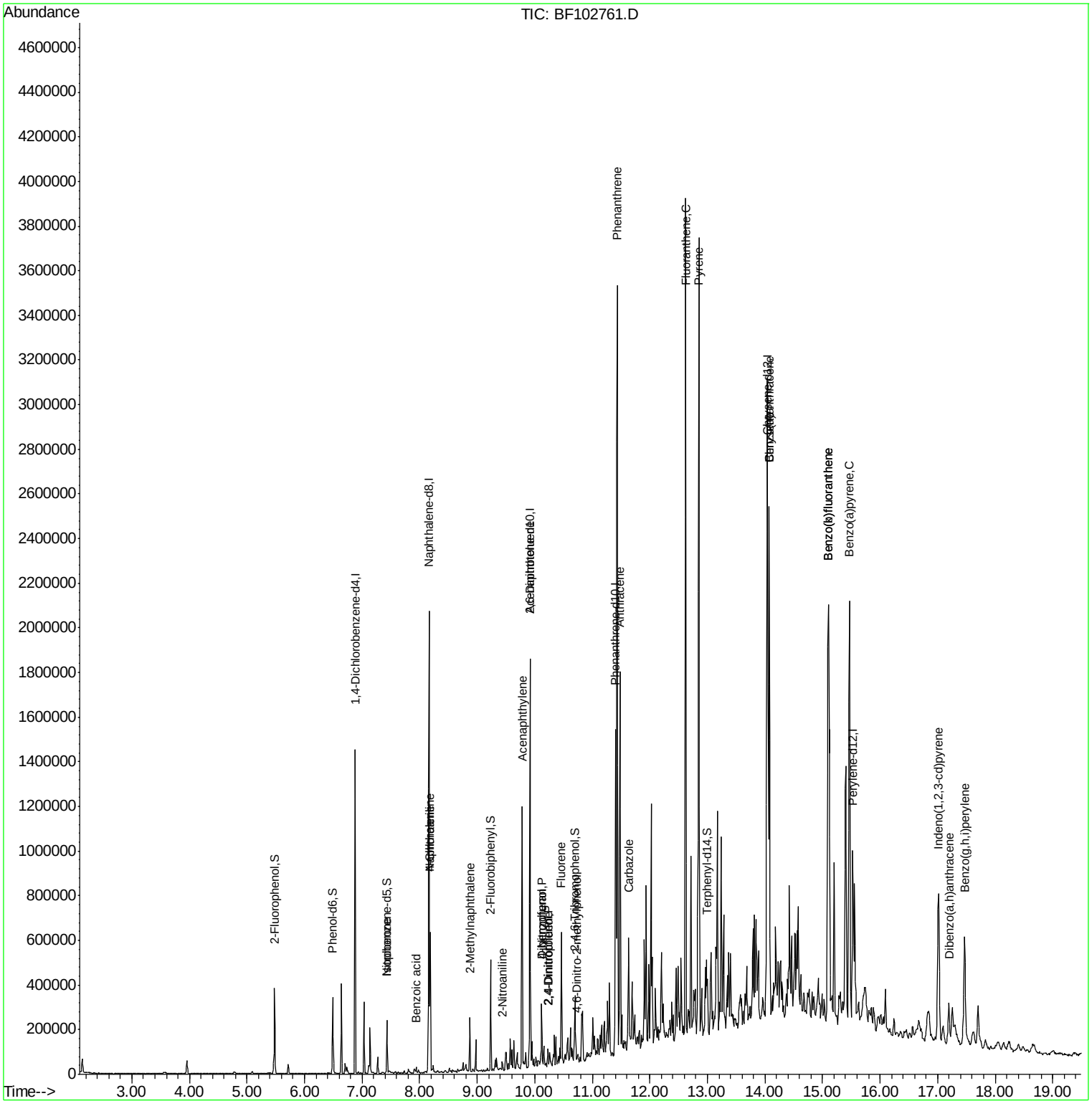
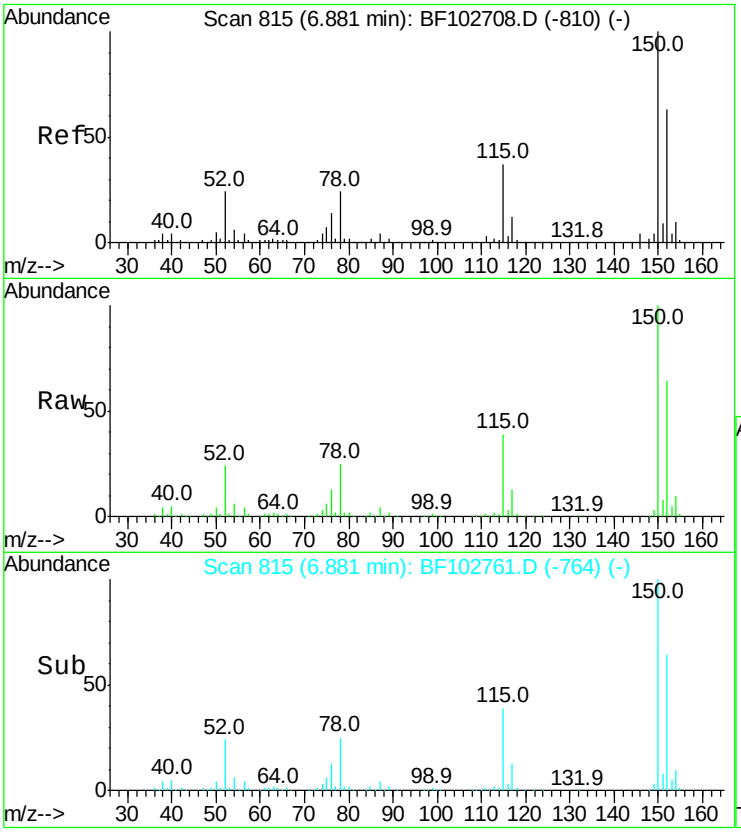
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 06 05:04:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration



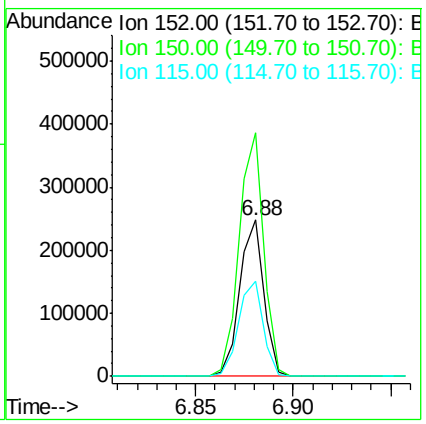


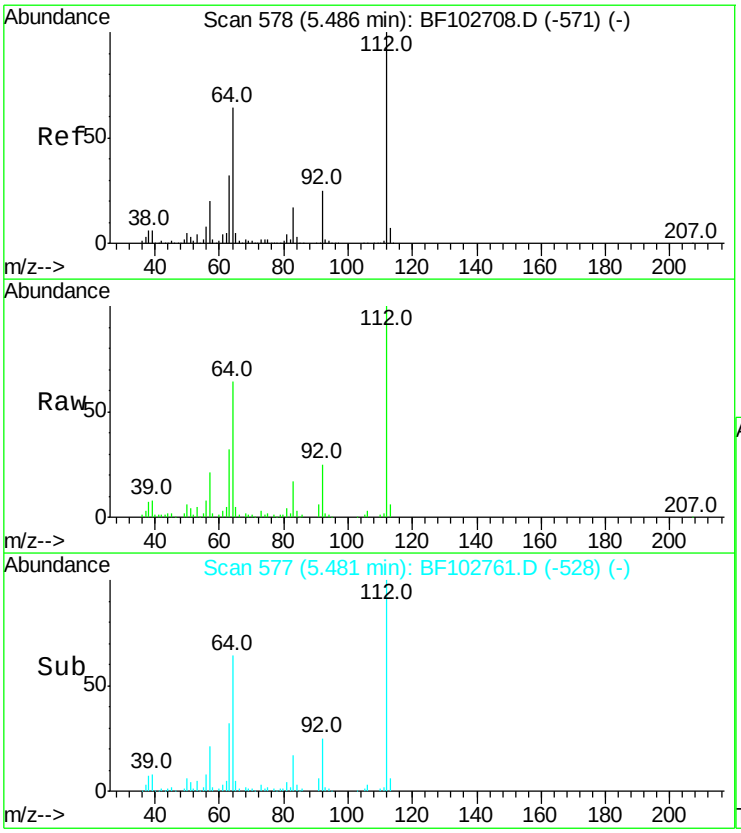
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 210627

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.4	50.1	75.1

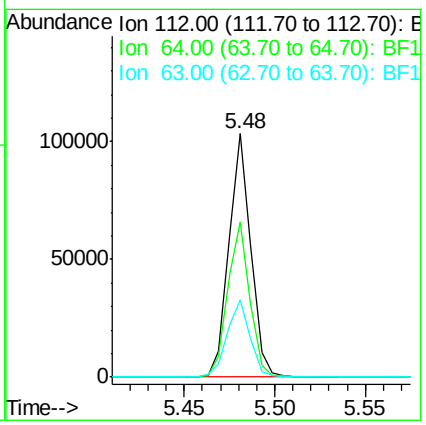


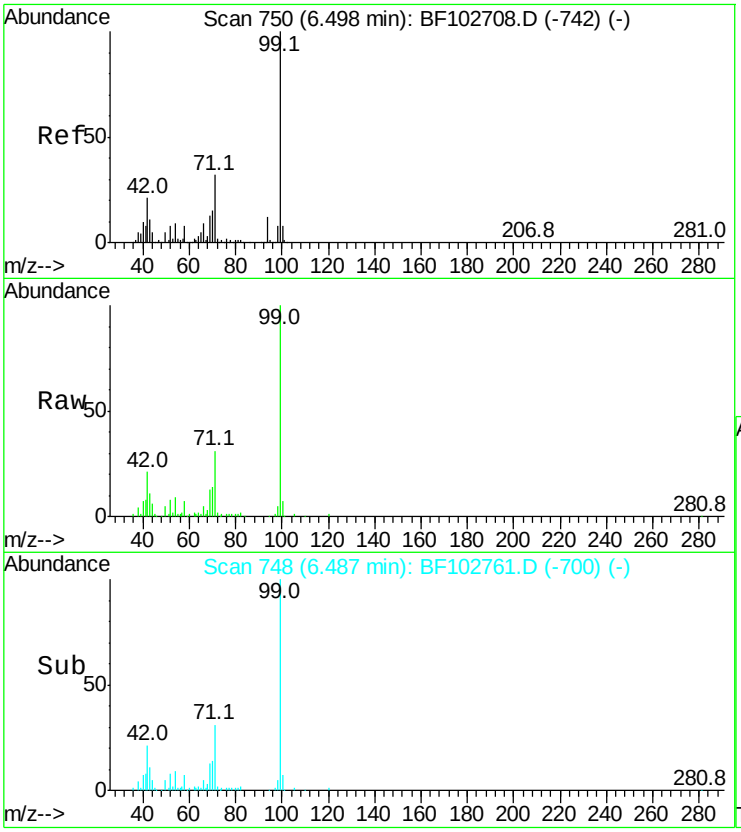


#5
2-Fluorophenol
Concen: 6.289 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:112 Resp: 87219

Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	31.7	23.7	35.5



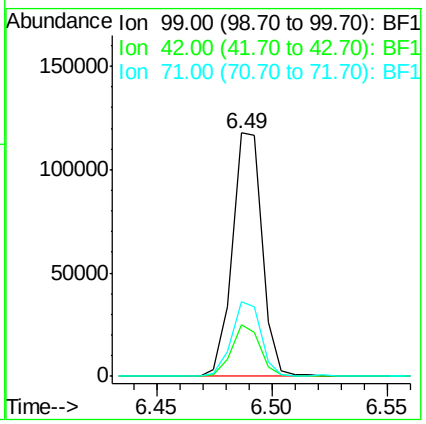


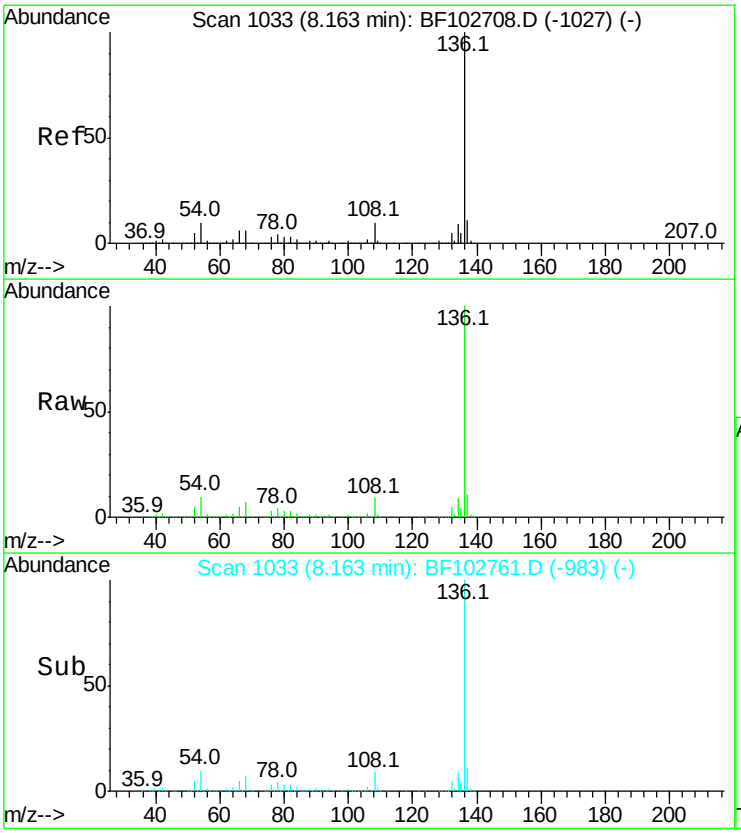
#7
Phenol-d6
Concen: 6.376 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 106483

Ion	Ratio	Lower	Upper
99	100		
42	21.2	14.5	21.7
71	30.7	25.4	38.0

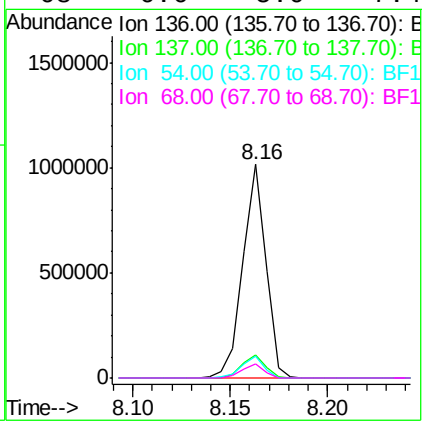


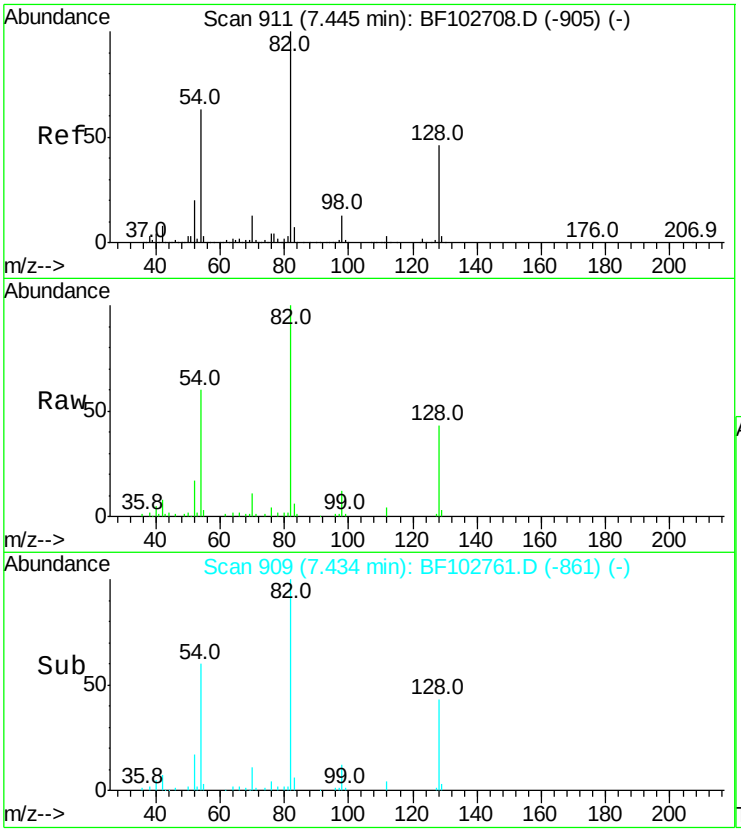


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:136 Resp: 829544

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.0	6.6	9.8#
68	6.6	5.0	7.4



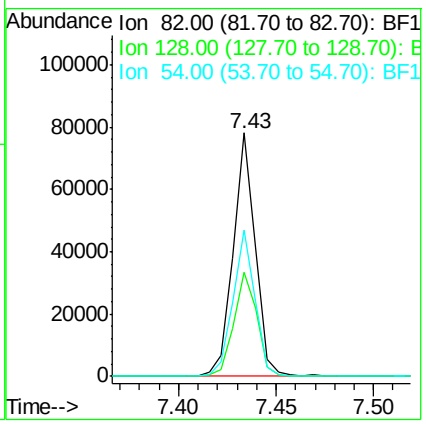


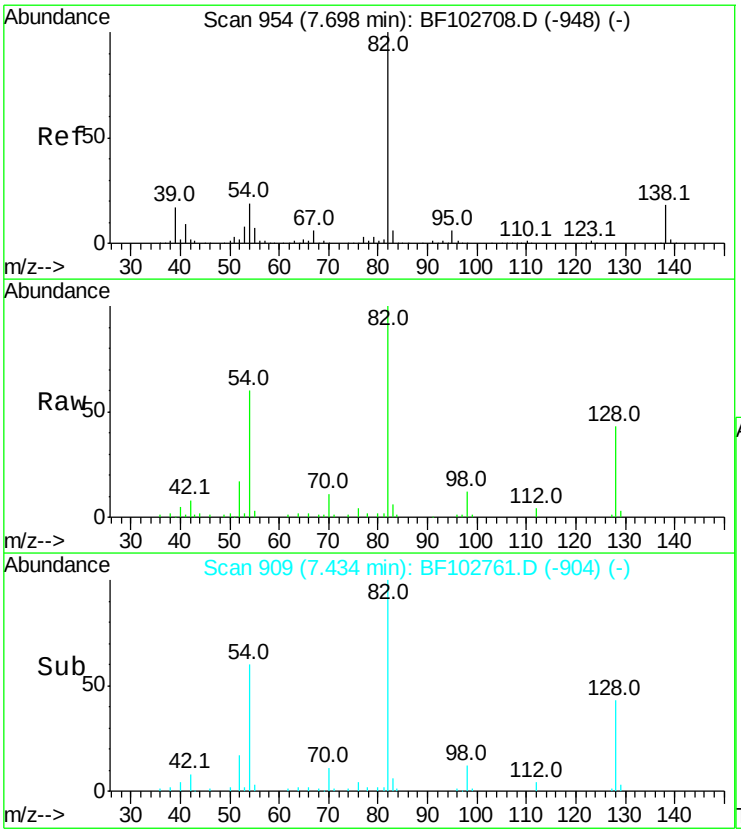
#23
Nitrobenzene-d5
Concen: 5.113 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 61142

Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	60.1	41.4	62.2

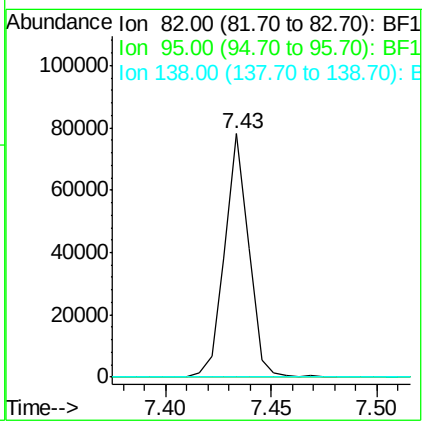


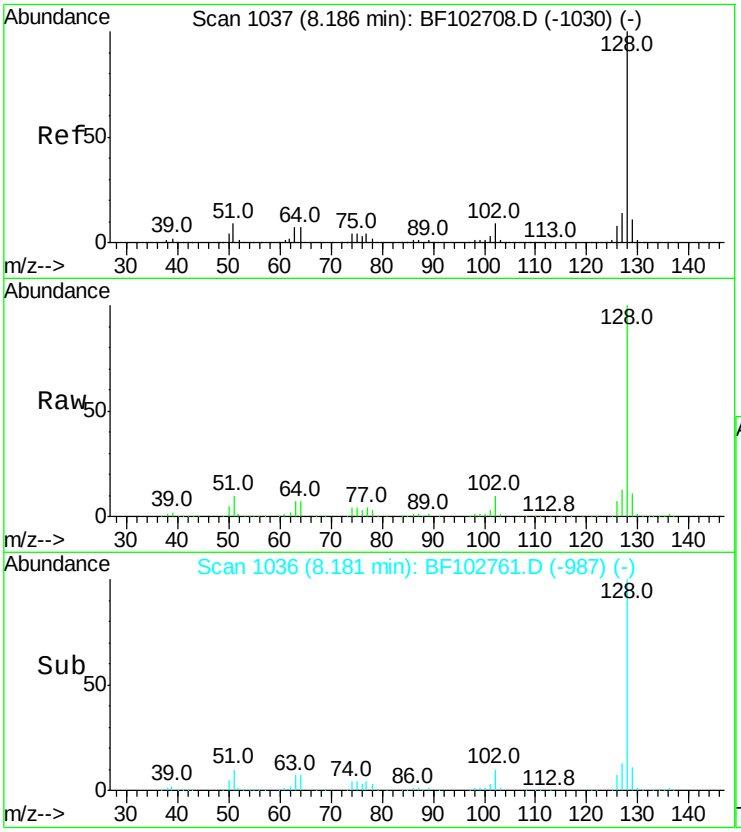


#25
Isophorone
Concen: 2.220 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion: 82 Resp: 61141

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



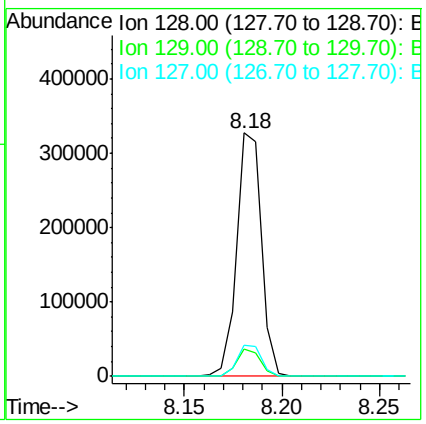


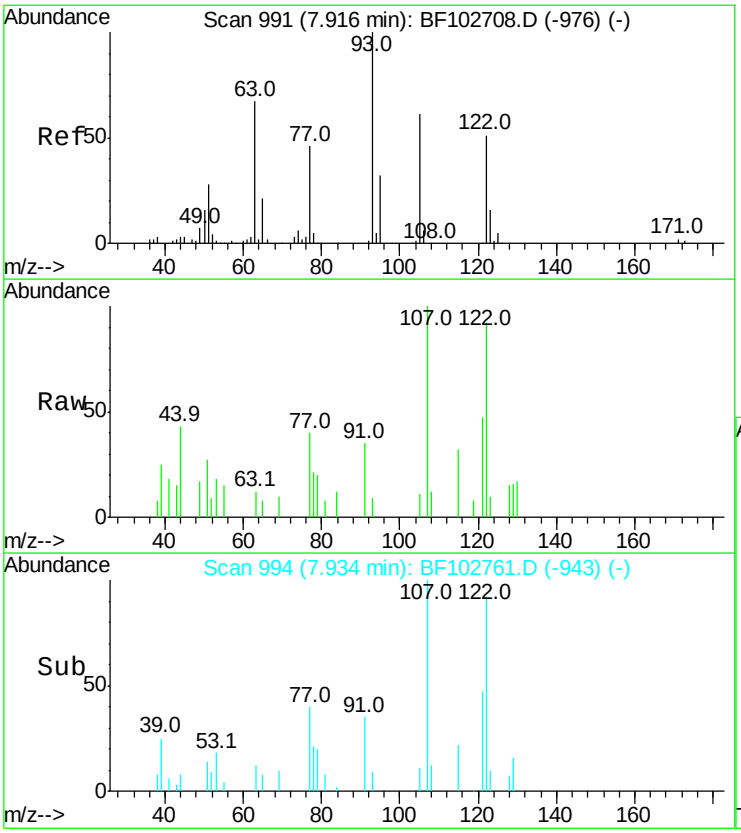
#31
Naphthalene
Concen: 7.128 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 288882

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.6	10.9	16.3

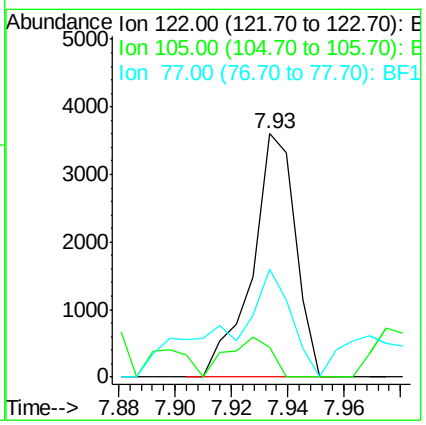


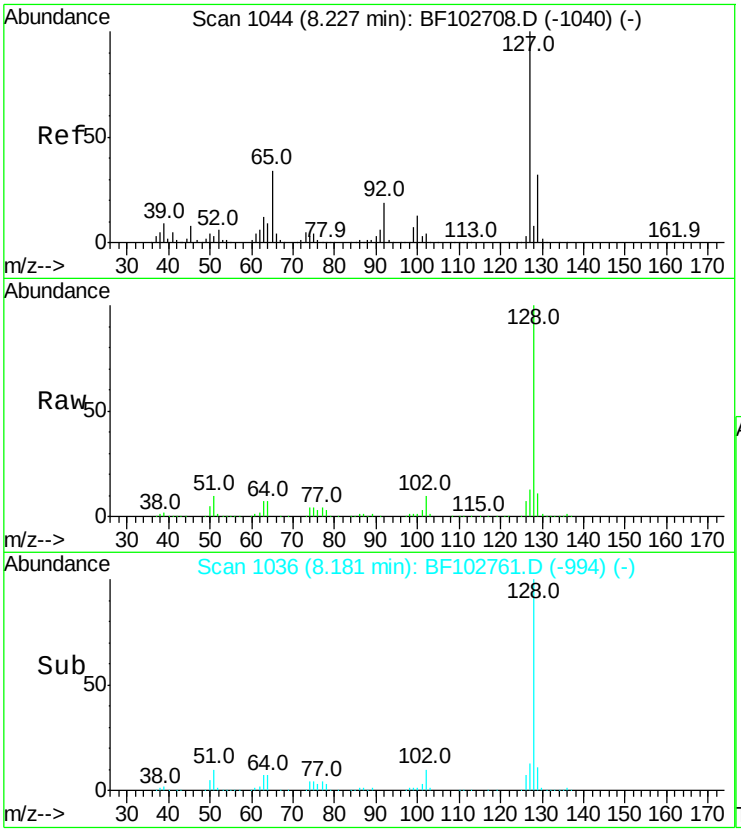


#32
Benzoic acid
Concen: 8.995 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:122 Resp: 3843

Ion	Ratio	Lower	Upper
122	100		
105	12.2	101.1	141.1#
77	44.1	70.7	110.7#



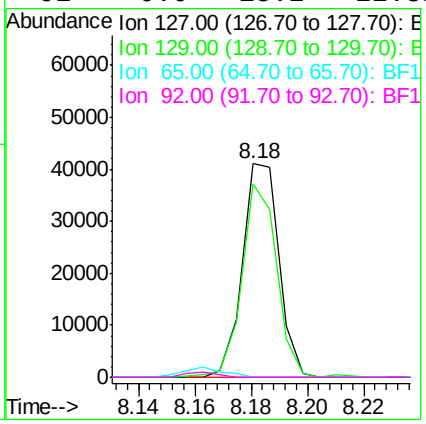


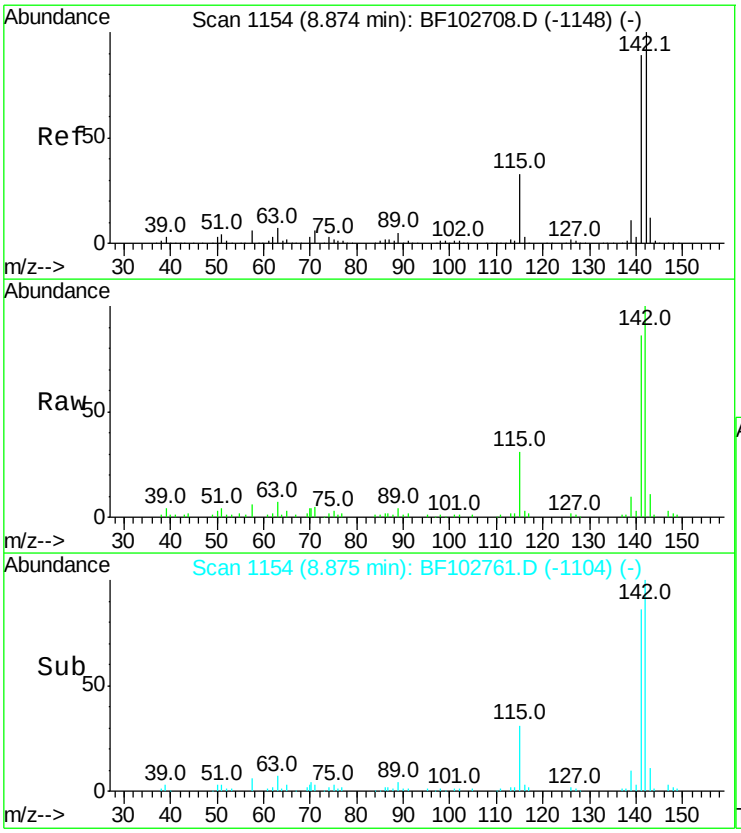
#33
4-Chloroaniline
Concen: 2.111 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 36859

Ion	Ratio	Lower	Upper
127	100		
129	90.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

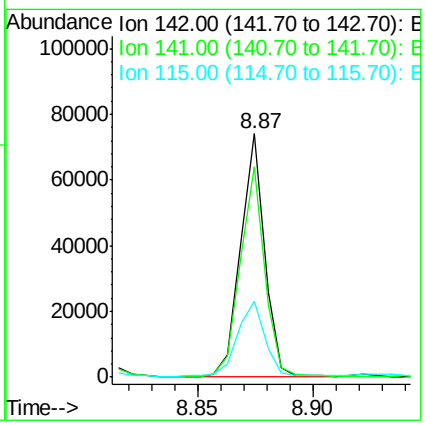


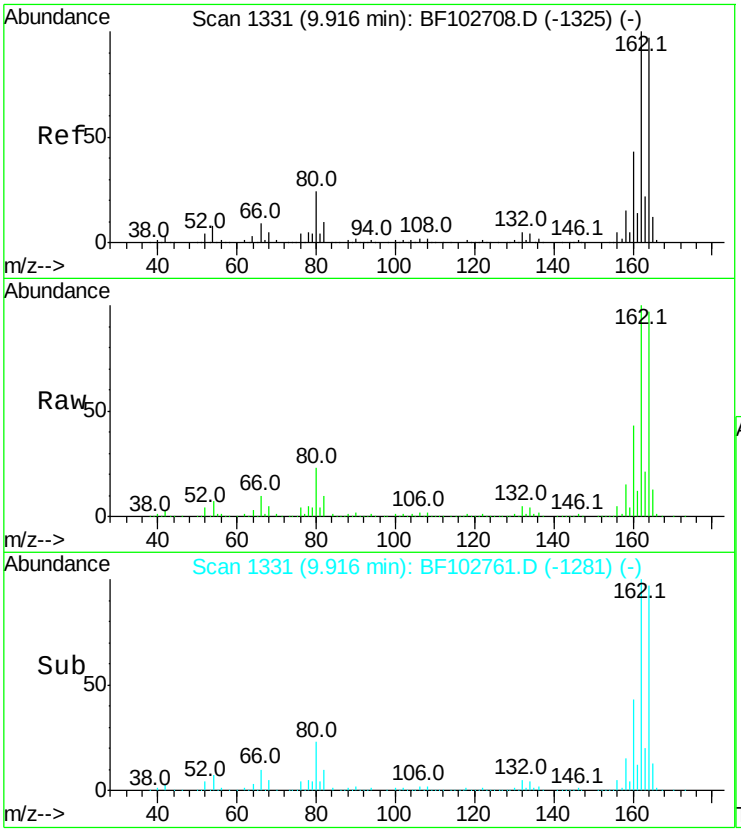


#37
2-Methylnaphthalene
Concen: 2.073 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:142 Resp: 54995

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	31.2	26.1	39.1



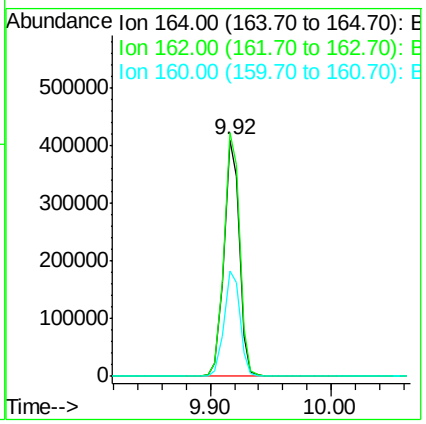


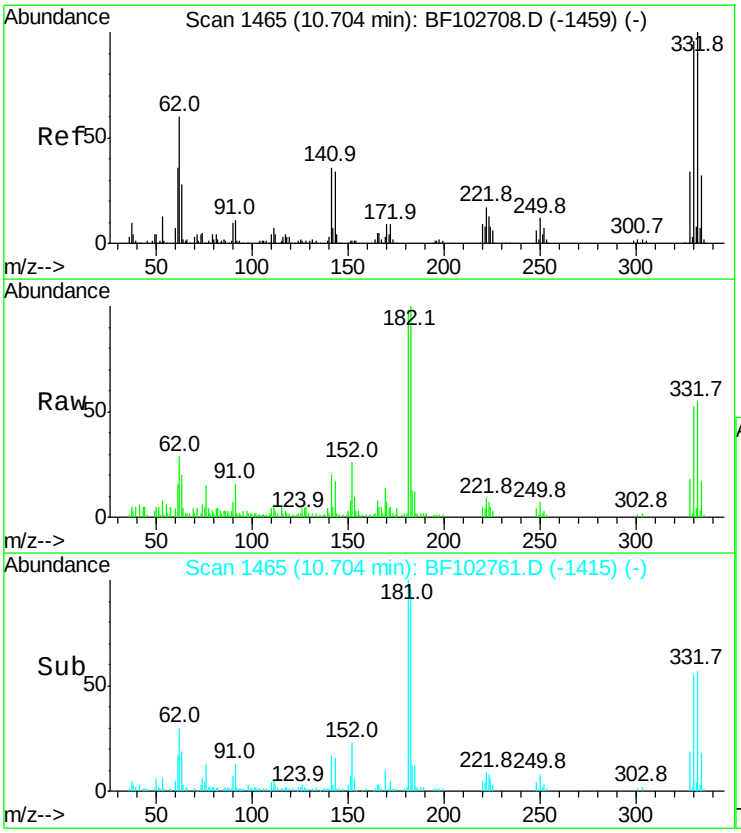
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 362539

Ion	Ratio	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	44.5	38.3	57.5

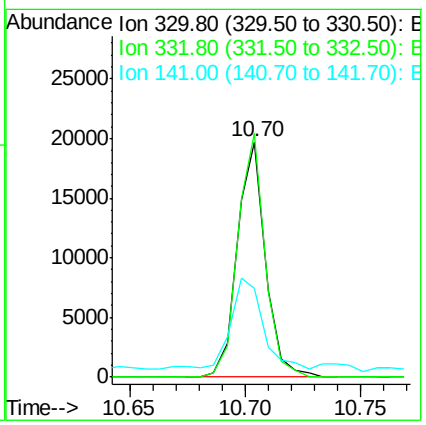


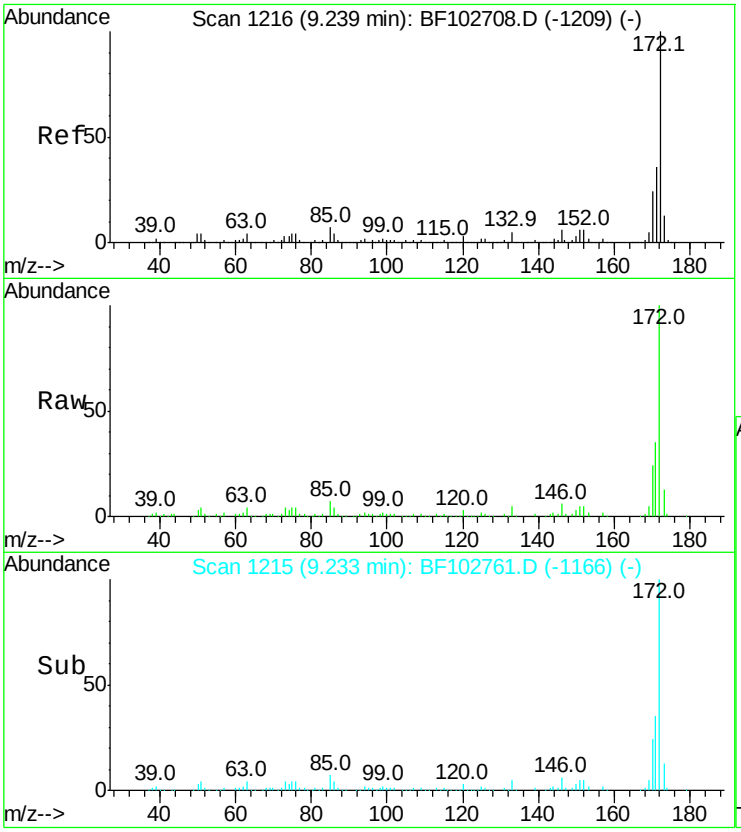


#41
2,4,6-Tribromophenol
Concen: 5.730 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:330 Resp: 16719

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.0	115.6
141	44.9	29.9	44.9#



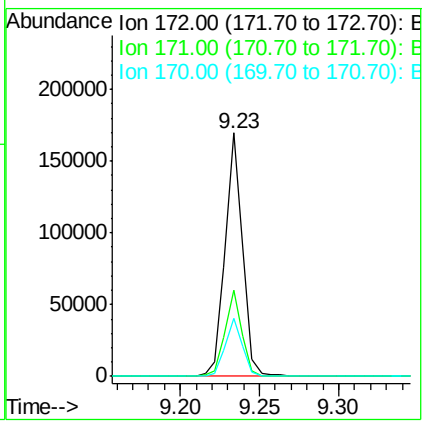


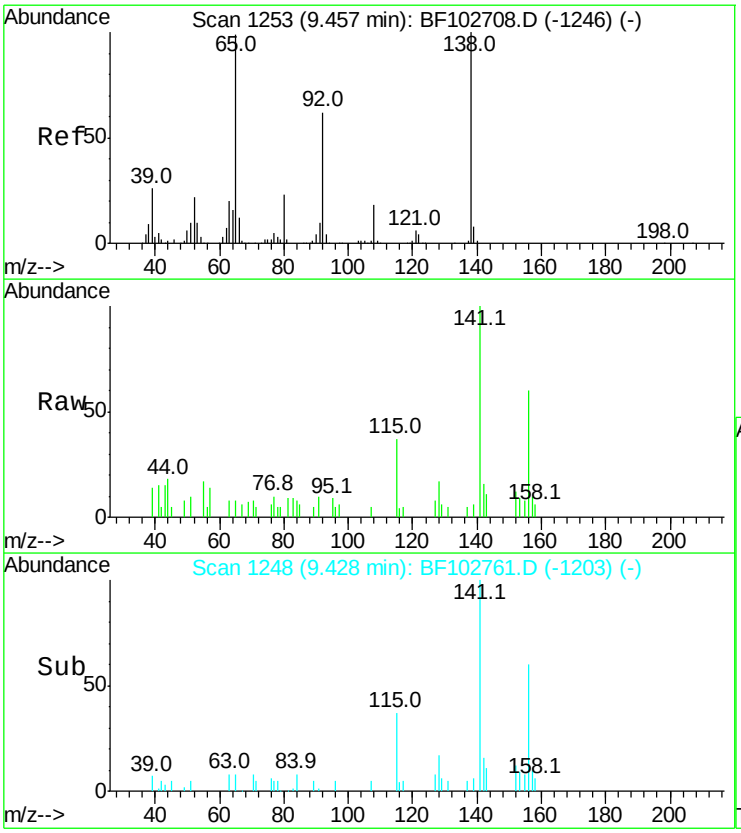
#44
2-Fluorobiphenyl
Concen: 5.904 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 128984

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.9	19.6	29.4

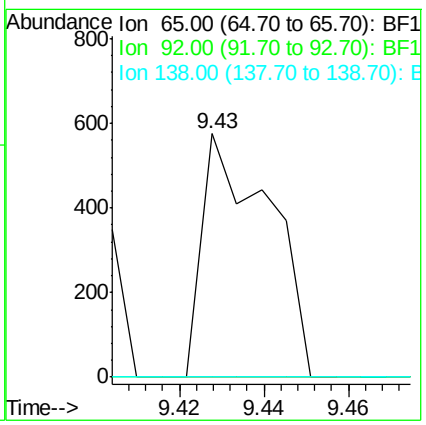


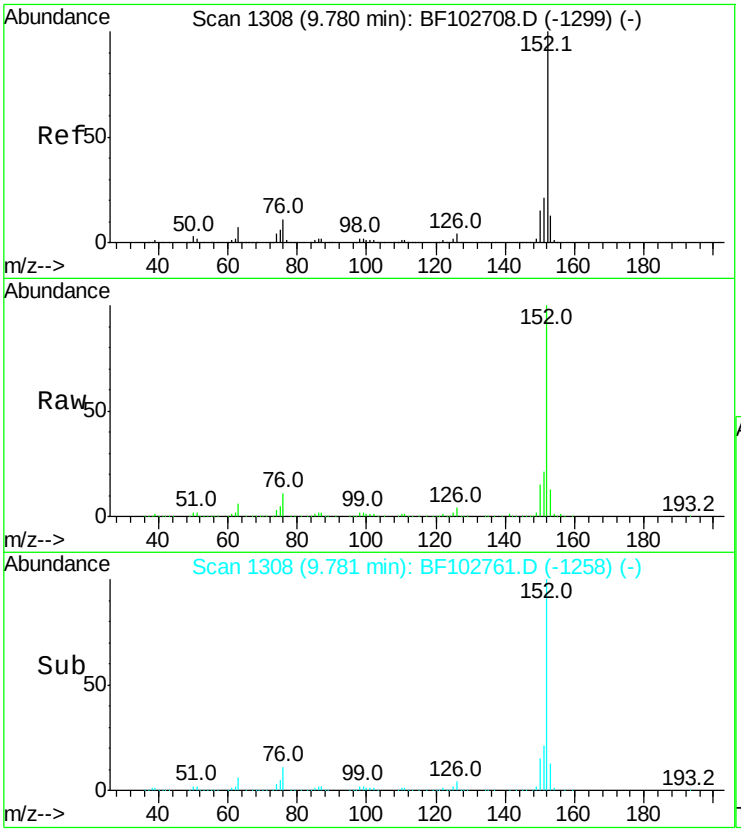


#47
2-Nitroaniline
Concen: 3.551 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.04 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion: 65 Resp: 634

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



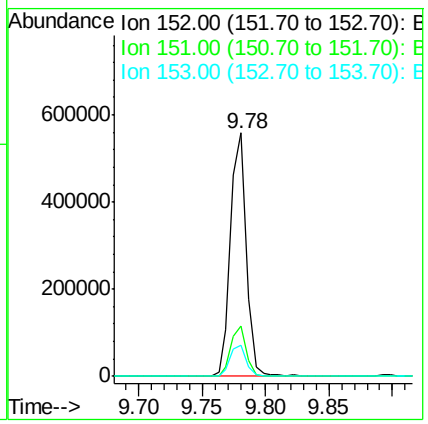


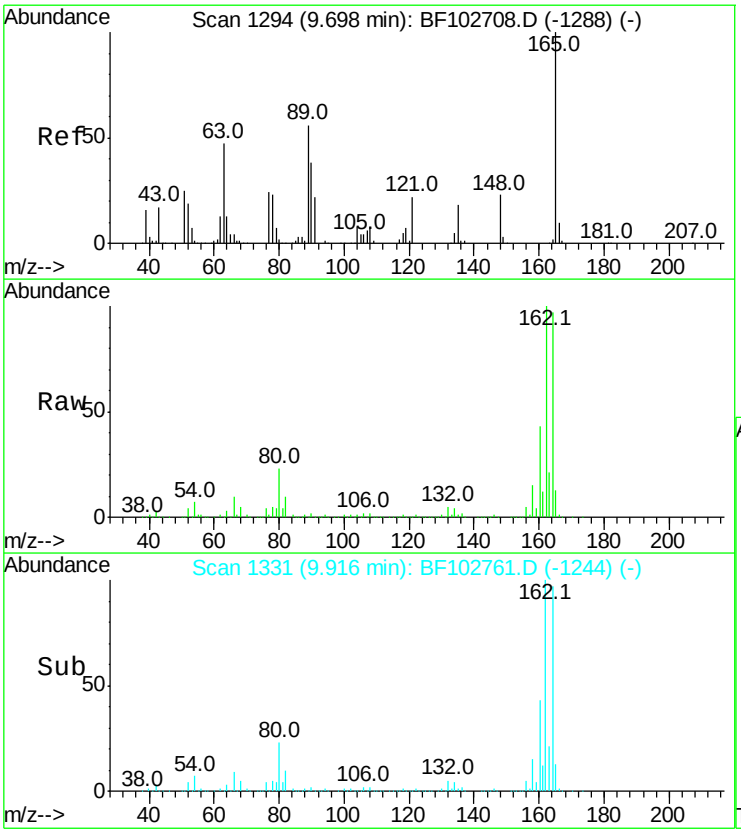
#48
Acenaphthylene
Concen: 12.911 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 482051

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	12.9	10.7	16.1

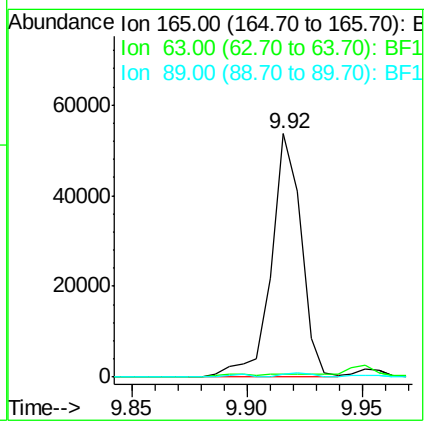


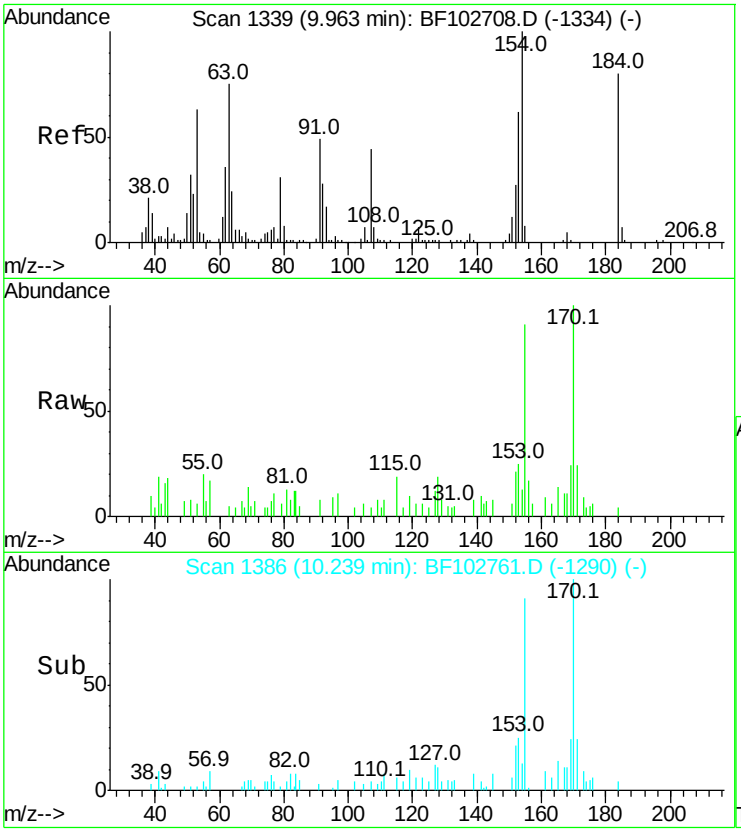


#50
2,6-Dinitrotoluene
Concen: 8.948 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:165 Resp: 48121

Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.3	44.0	66.0#



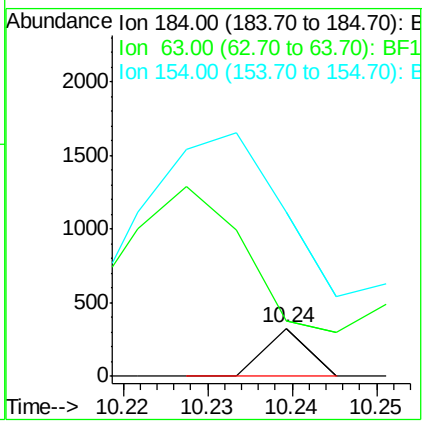


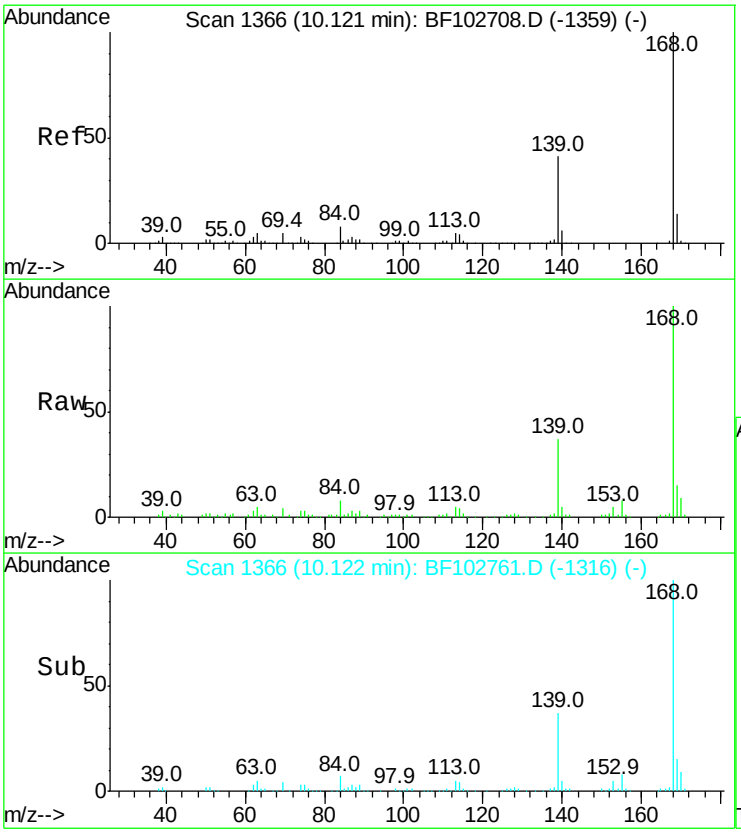
#53
2,4-Dinitrophenol
Concen: 8.038 ng
RT: 10.24 min Scan# 1386
Delta R.T. 0.26 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 115

Ion	Ratio	Lower	Upper
184	100		
63	116.6	54.2	81.2#
154	341.4	184.0	276.0#

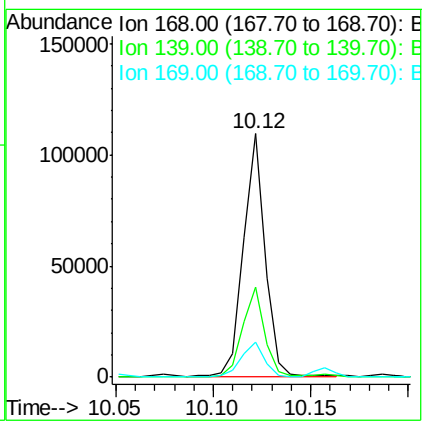


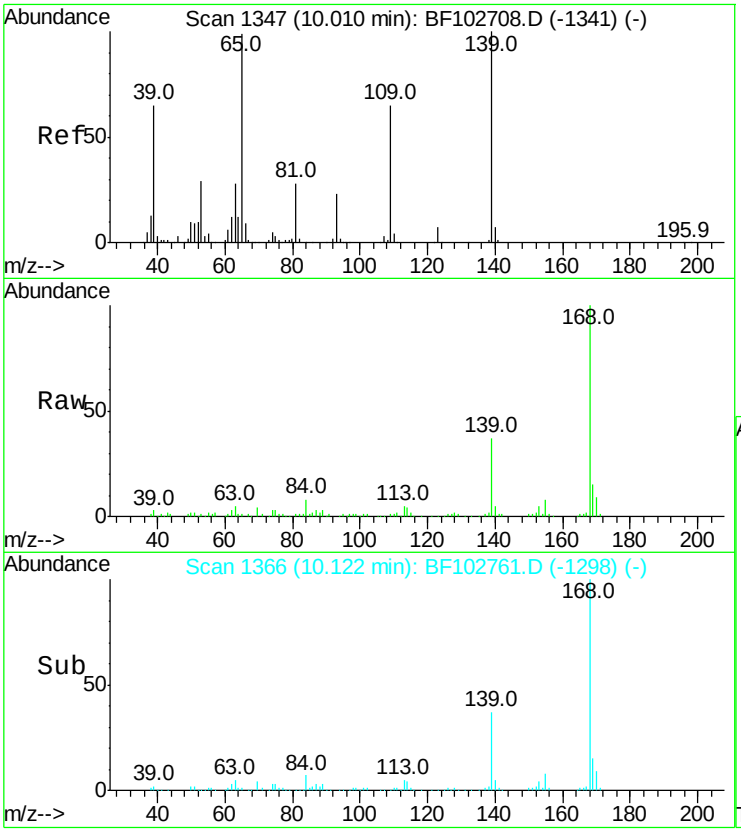


#54
Dibenzofuran
Concen: 2.652 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:168 Resp: 83446

Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	14.6	10.9	16.3



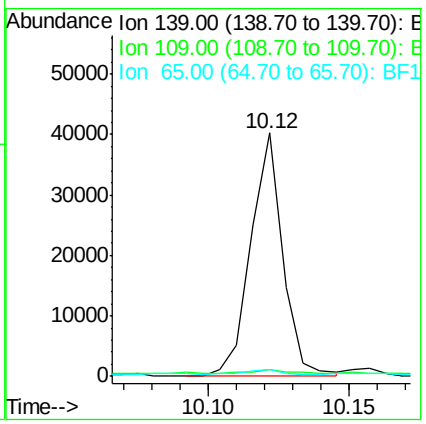


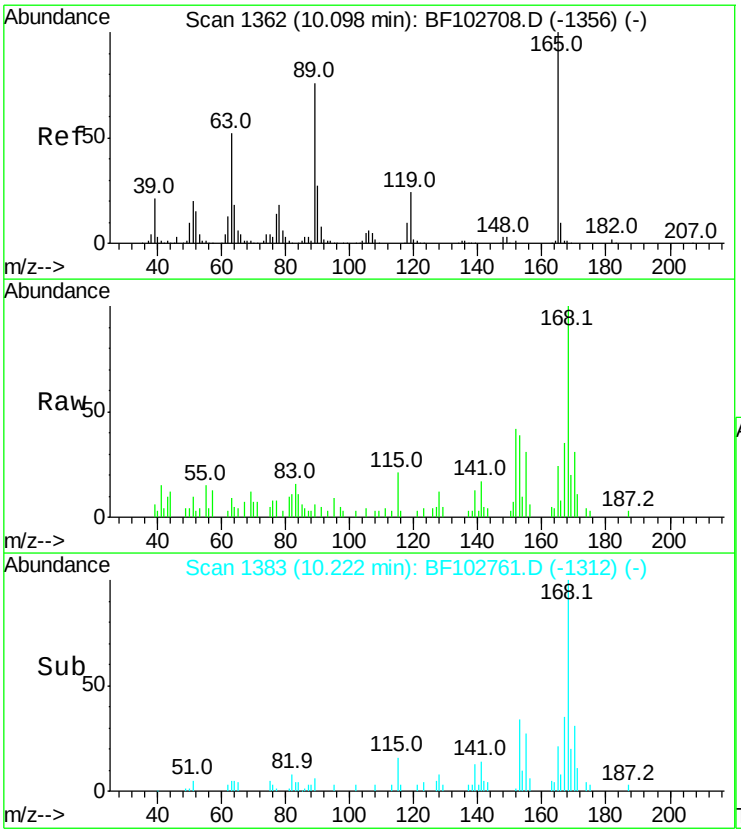
#55
4-Nitrophenol
Concen: 9.567 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.10 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 31739

Ion	Ratio	Lower	Upper
139	100		
109	2.7	48.4	88.4#
65	2.9	72.6	112.6#

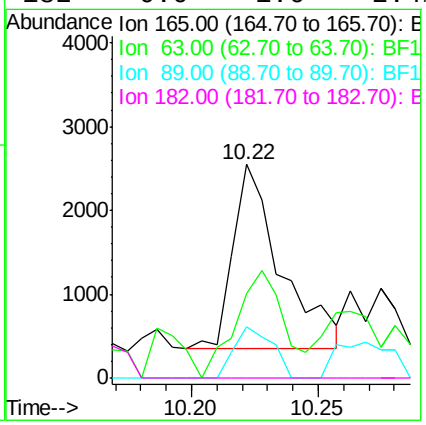


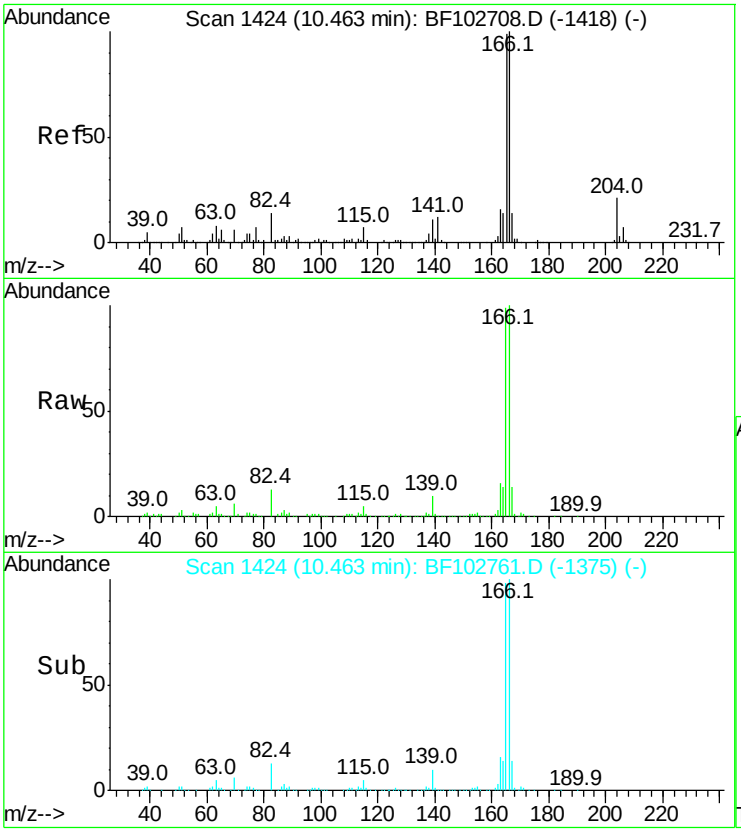


#56
2,4-Dinitrotoluene
Concen: 3.448 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.12 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:165 Resp: 2874

Ion	Ratio	Lower	Upper
165	100		
63	39.4	36.4	54.6
89	24.3	57.8	86.6#
182	0.0	1.6	2.4#



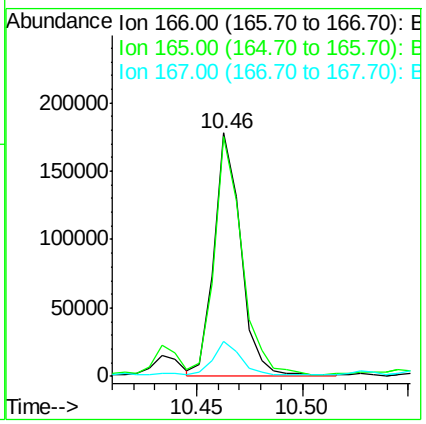


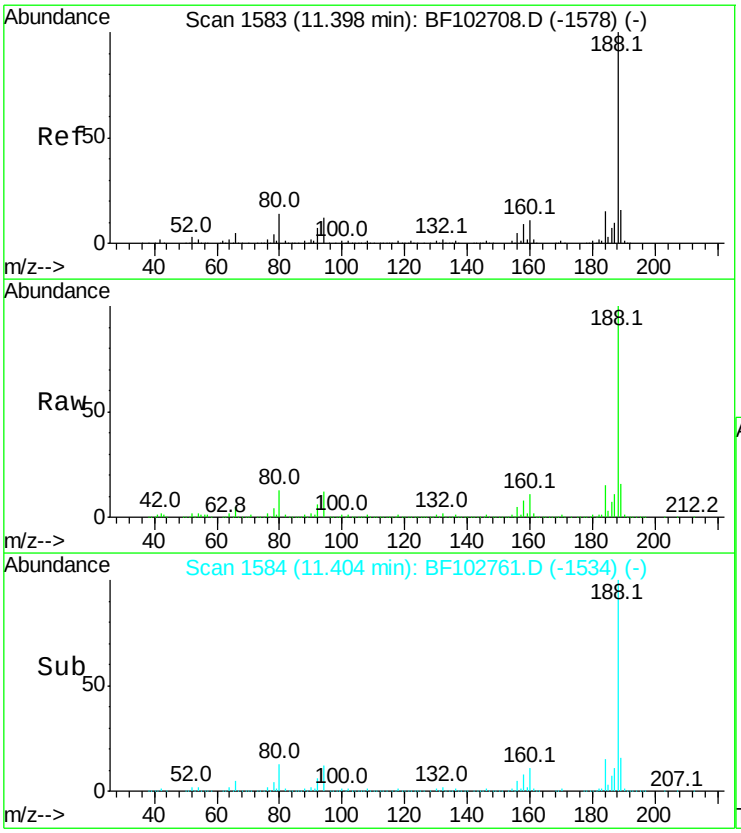
#57
Fluorene
Concen: 6.820 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 156154

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	14.3	10.6	16.0

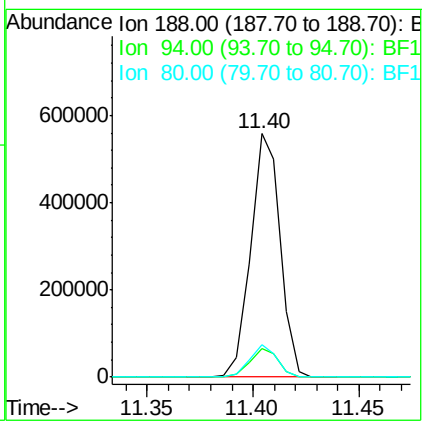


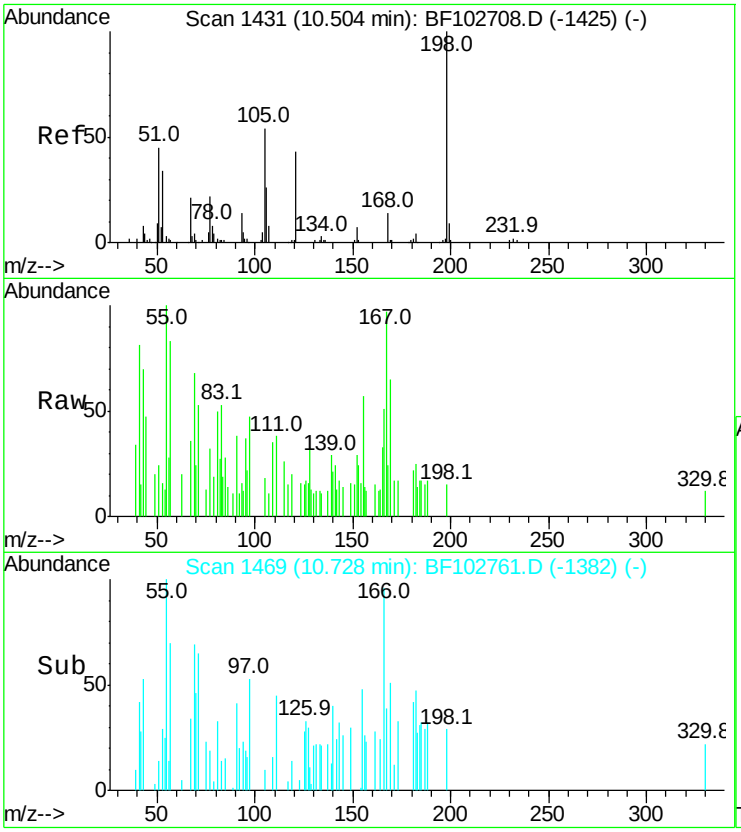


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:188 Resp: 542349

Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.1	9.2	13.8



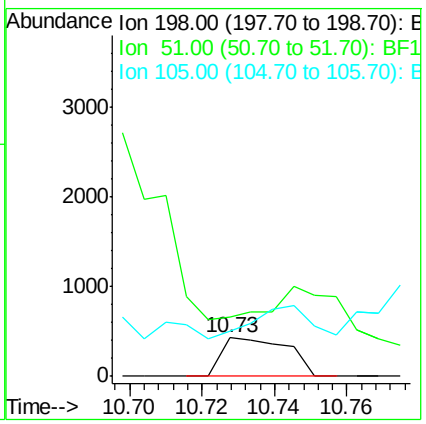


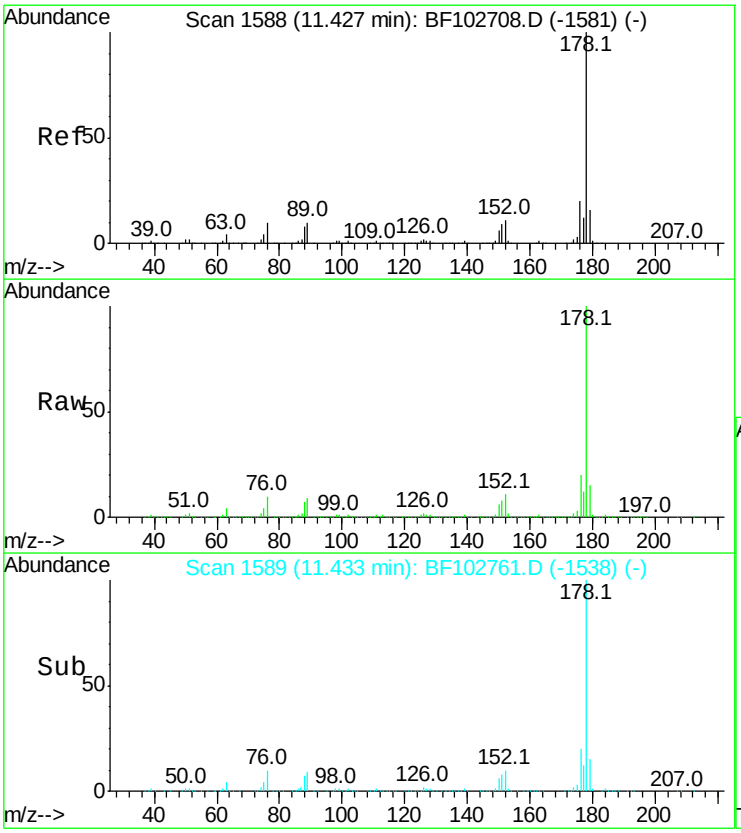
#64
4,6-Dinitro-2-methylphenol
Concen: 9.013 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.21 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 538

Ion	Ratio	Lower	Upper
198	100		
51	153.5	37.7	77.7#
105	118.1	36.3	76.3#

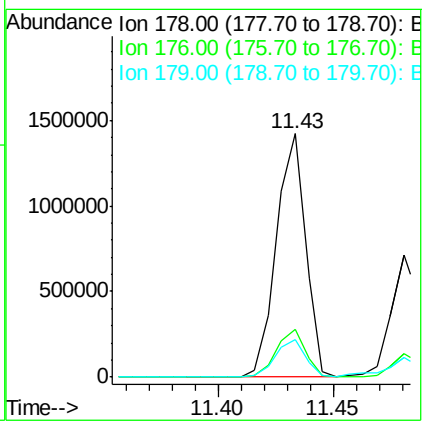


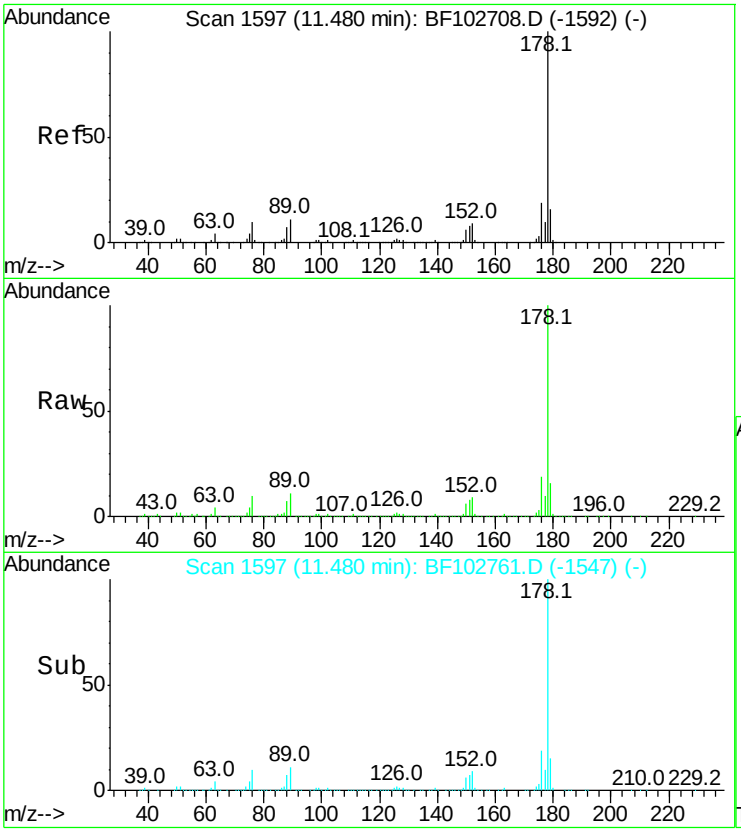


#70
Phenanthrene
Concen: 41.226 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:178 Resp: 1245250

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6



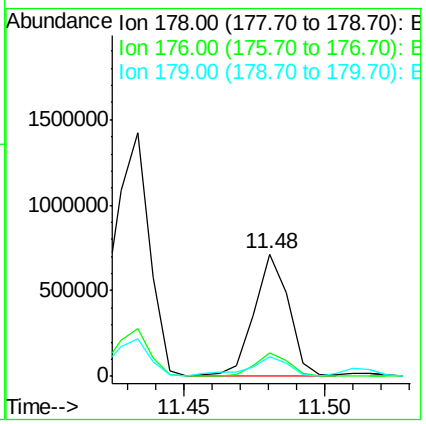


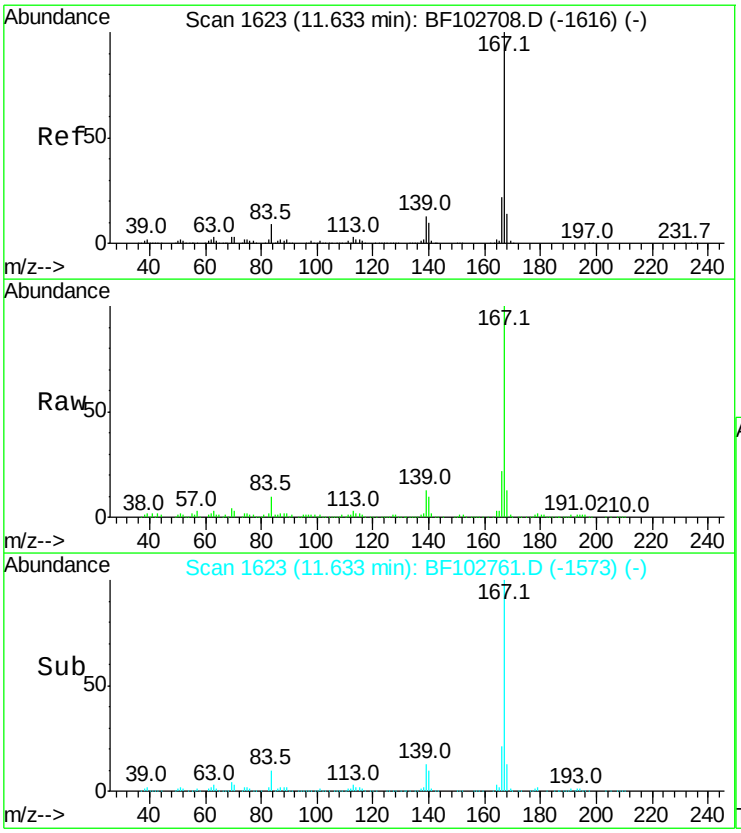
#71
Anthracene
Concen: 19.402 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 596073

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.6	19.0

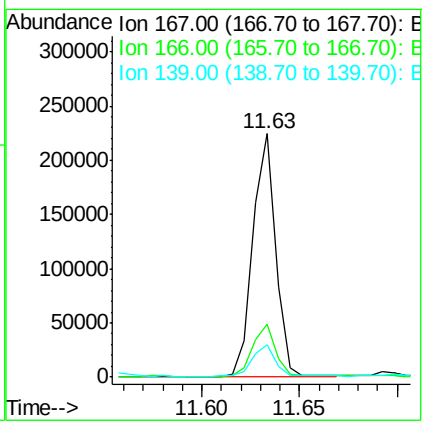


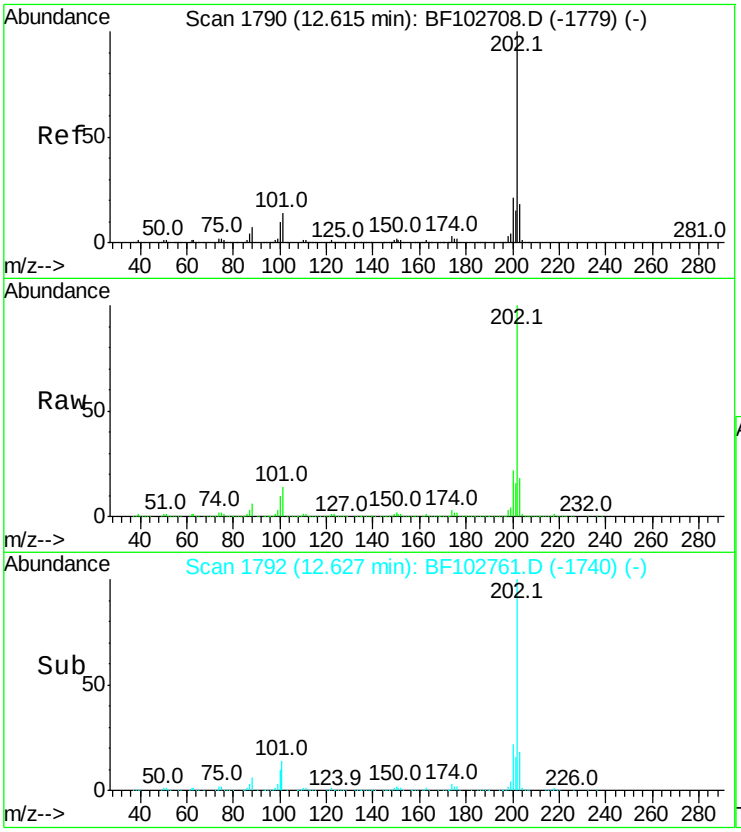


#72
Carbazole
Concen: 6.065 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:167 Resp: 182546

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.2	10.9	16.3



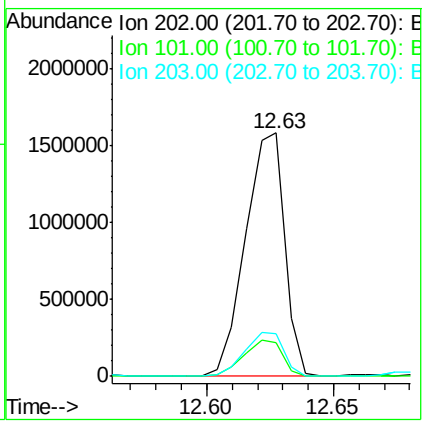


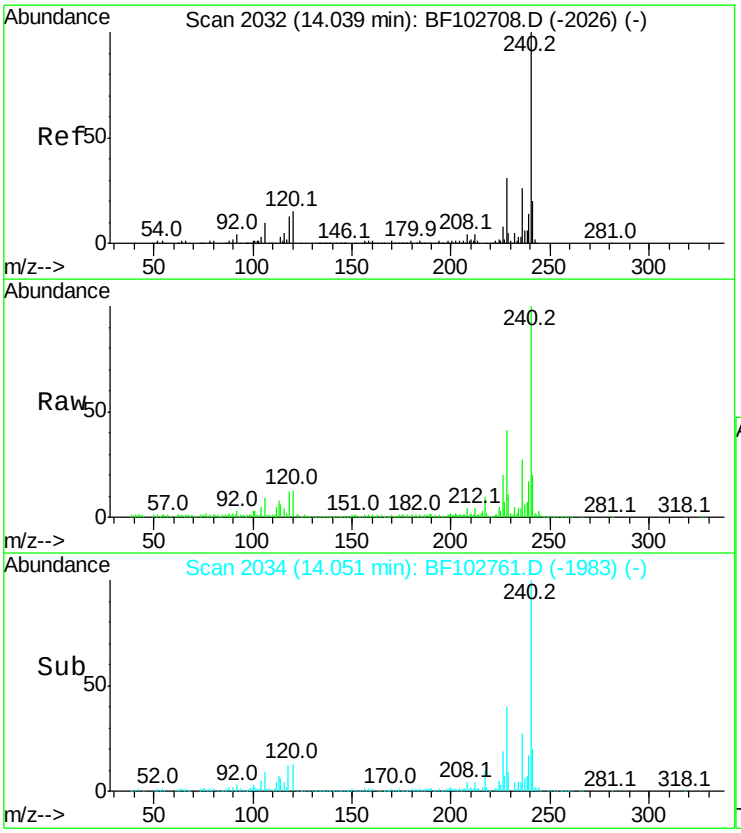
#74
Fluoranthene
Concen: 56.107 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1705088

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.7	0.0	38.1

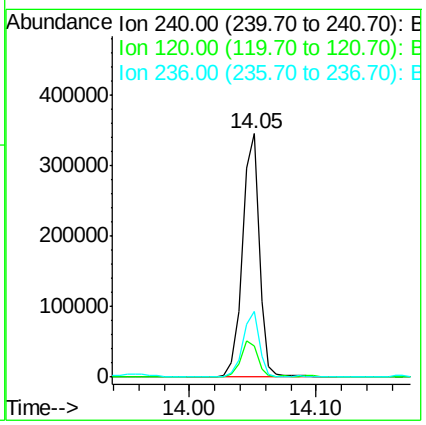


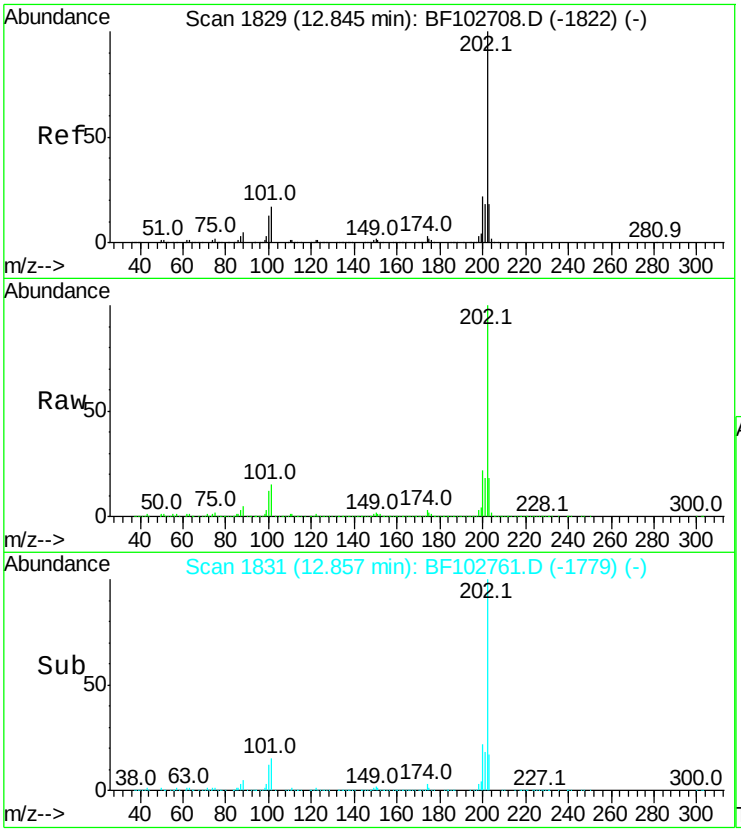


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:240 Resp: 313572

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.5	14.3
236	27.2	20.7	31.1



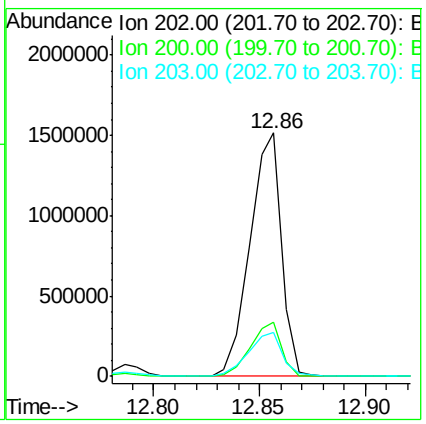


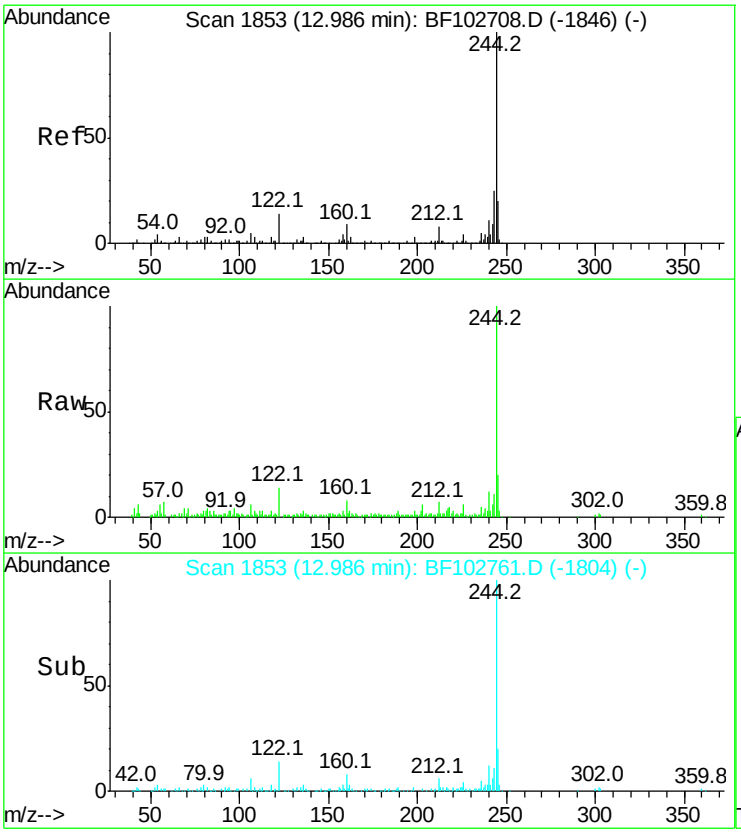
#77
Pyrene
Concen: 63.781 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1568297

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.0	14.3	21.5

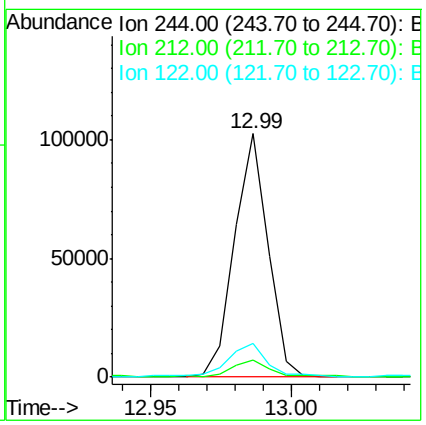


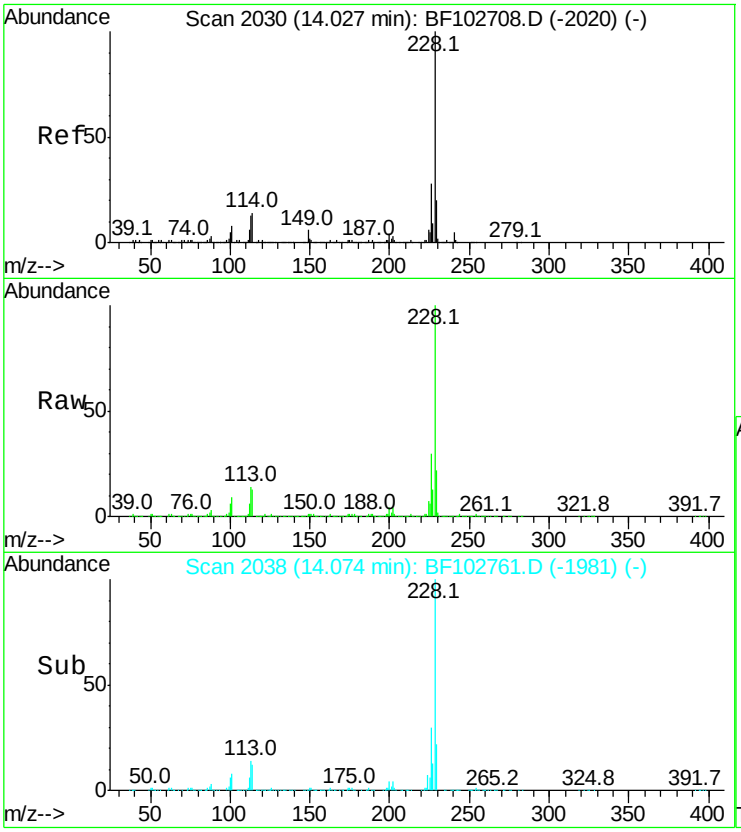


#78
Terphenyl-d14
Concen: 6.378 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:244 Resp: 84461

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.0	11.0	16.4



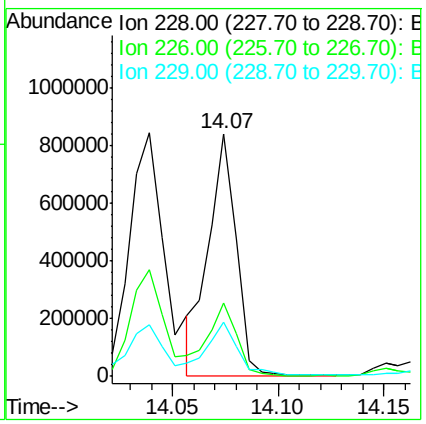


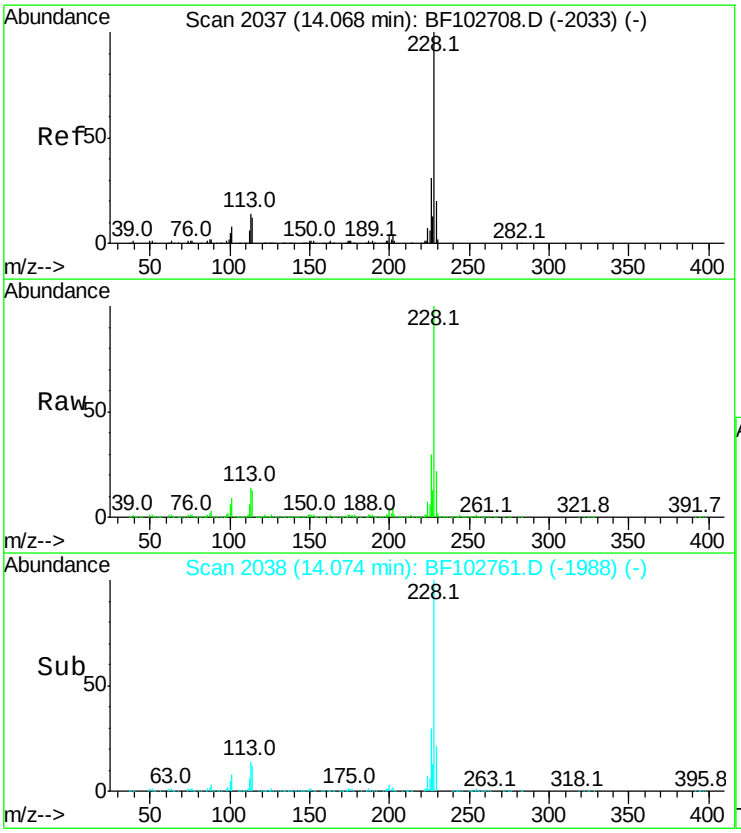
#80
Benzo(a)anthracene
Concen: 38.992 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.04 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 768947

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	22.5	15.8	23.6

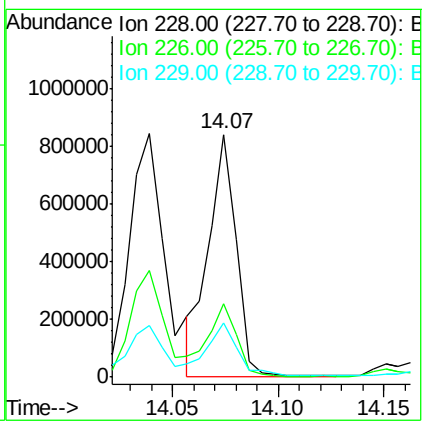


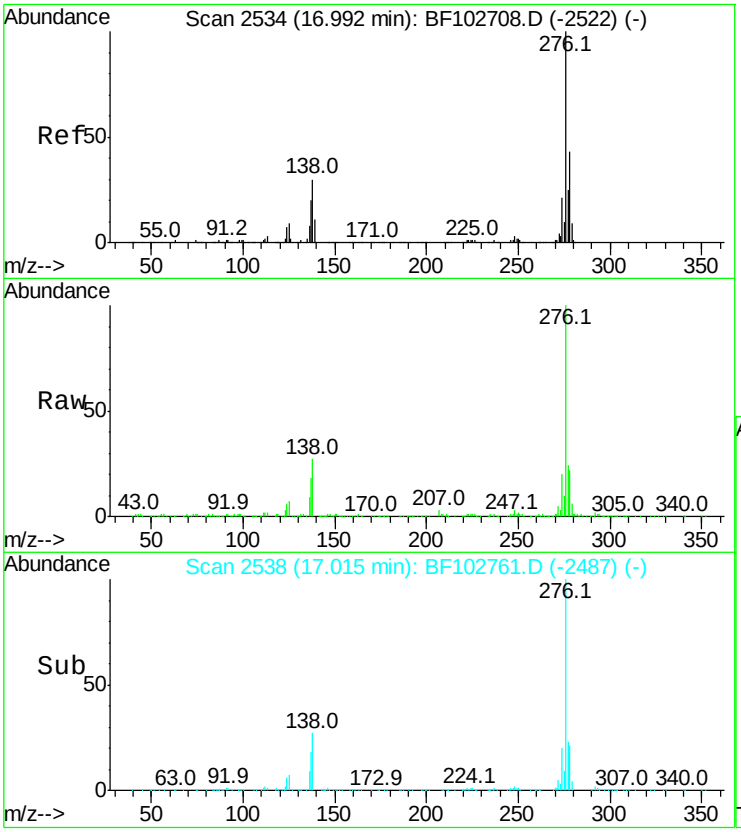


#82
Chrysene
Concen: 38.680 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:228 Resp: 768947

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.5	16.2	24.4



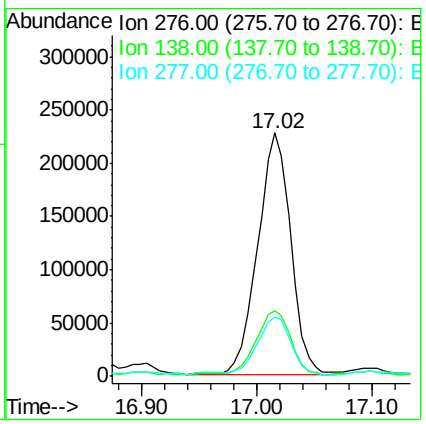


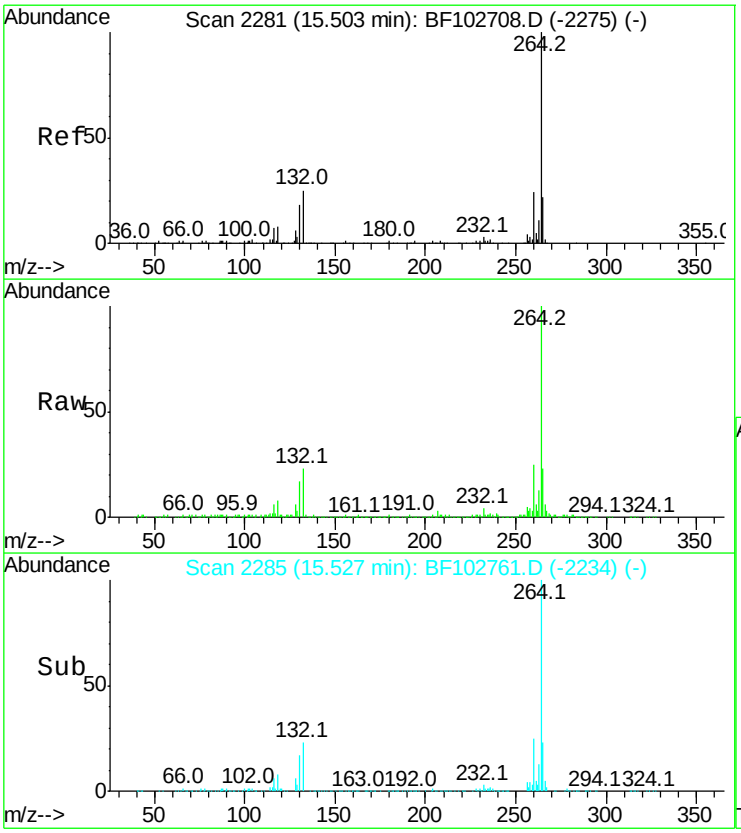
#85
Indeno(1,2,3-cd)pyrene
Concen: 27.614 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 455287

Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	23.9	20.1	30.1

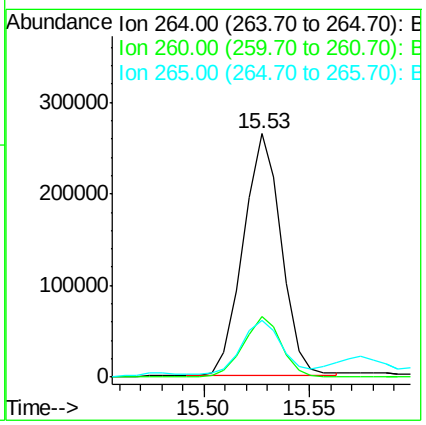


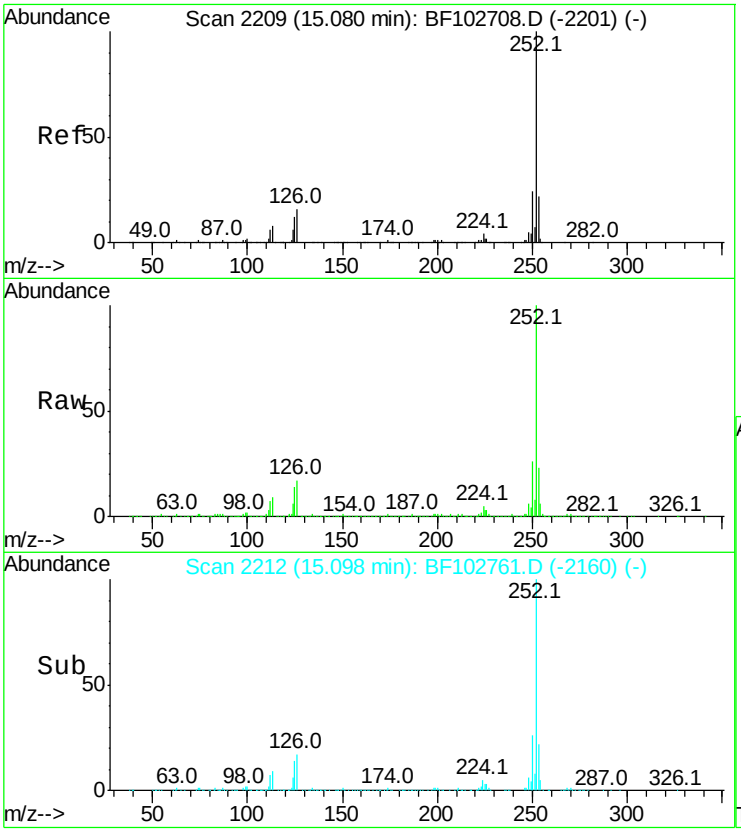


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:264 Resp: 331792

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.4	17.5	26.3



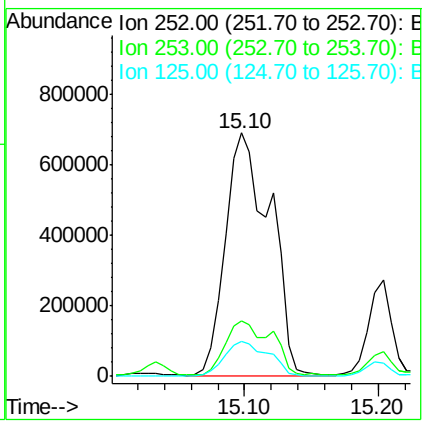


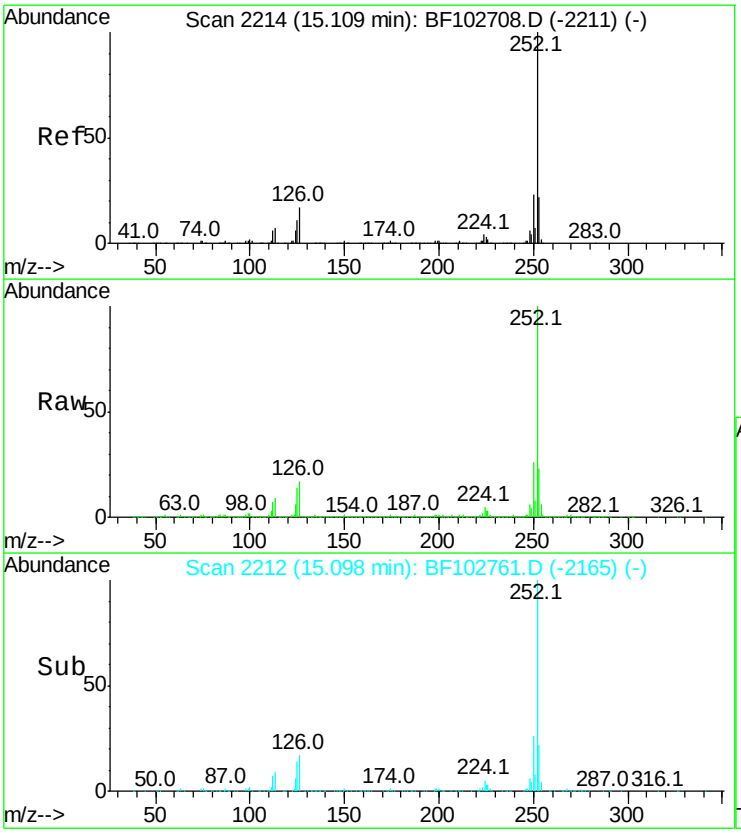
#87
Benzo(b)fluoranthene
Concen: 74.942 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1612096

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.3	9.0	13.6#

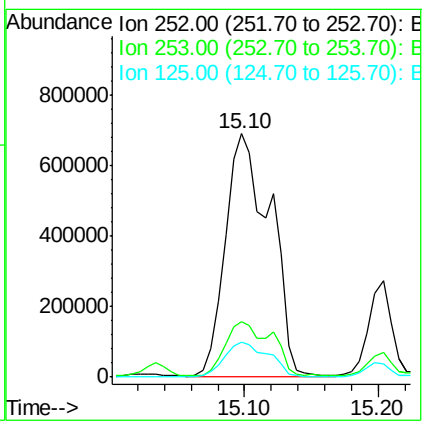


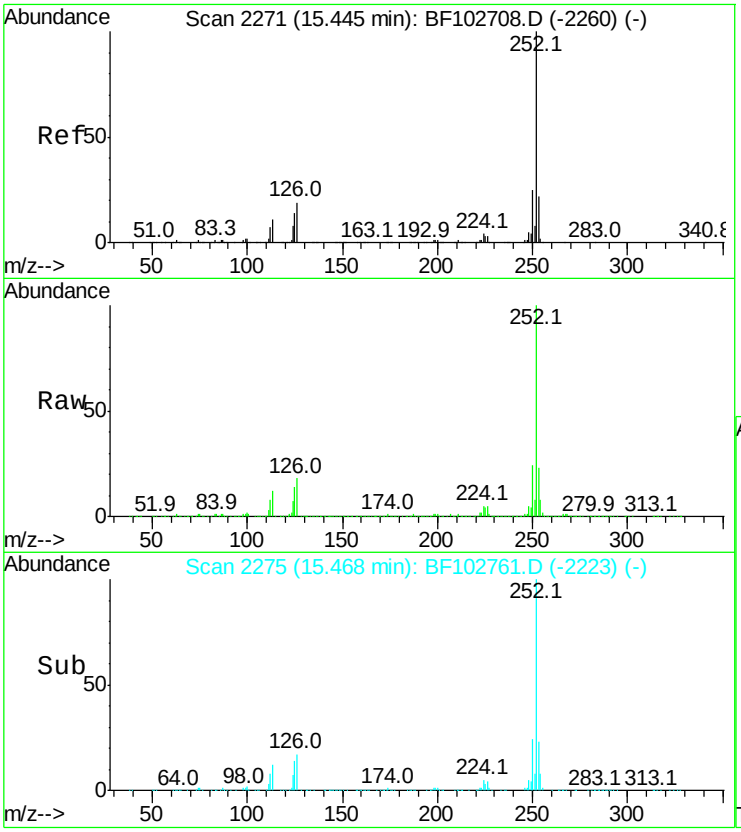


#88
Benzo(k)fluoranthene
Concen: 78.433 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:252 Resp: 1612096

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.3	10.2	15.2



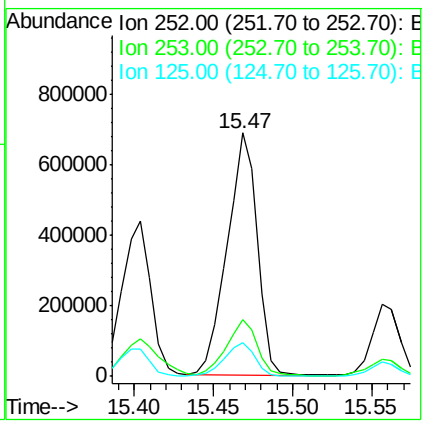


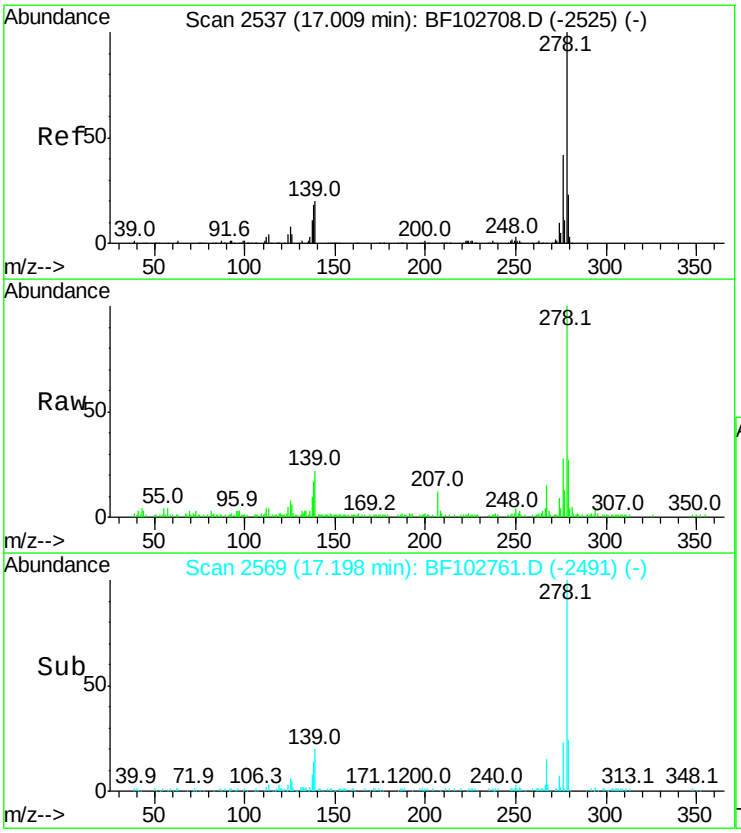
#89
Benzo(a)pyrene
Concen: 46.666 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 903592

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.9	9.8	14.6

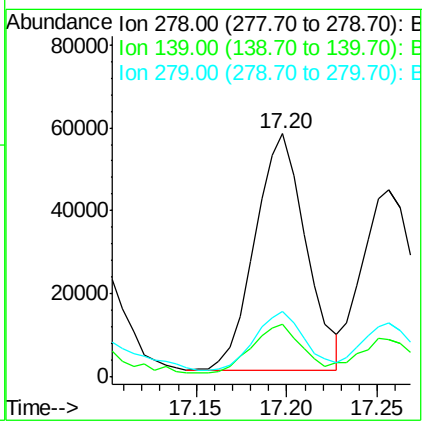


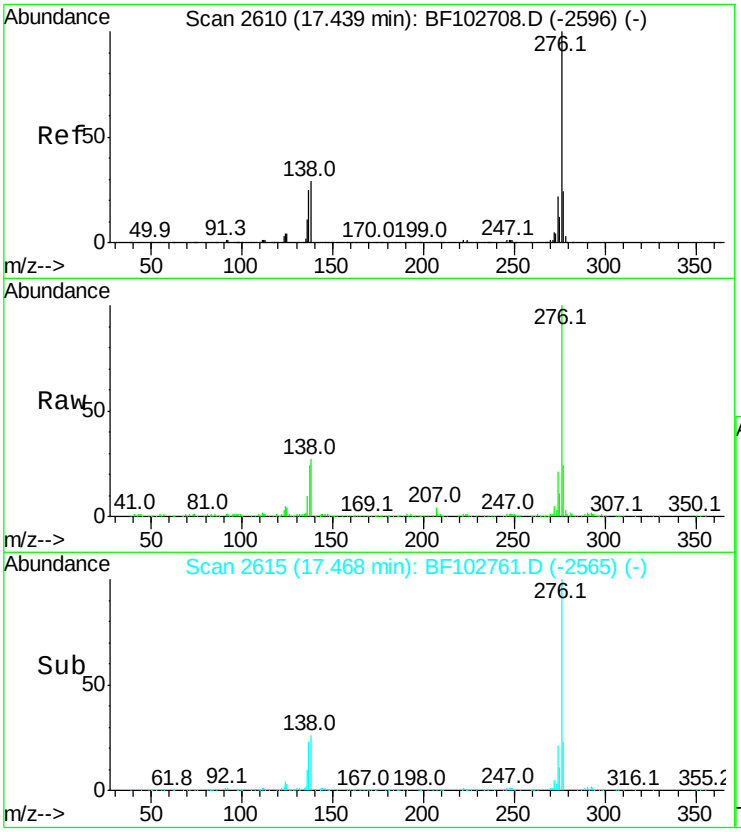


#90
Dibenzo(a,h)anthracene
Concen: 7.085 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.16 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Tgt Ion:278 Resp: 111352

Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	26.8	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 26.060 ng
RT: 17.47 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF102761.D
Acq: 6 Feb 2018 2:37

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 400881

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	27.4	21.8	32.8