Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
Data File : BF109490.D
Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Time: Oct 02 04:59:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	96348	20.00	ng		0.00
21) Naphthalene-d8	8.00	136	235989	20.00	ng		0.01
38) Acenaphthene-d10	9.74	164	150196	20.00	ng		0.00
63) Phenanthrene-d10	11.22	188	246247	20.00	ng		0.00
75) Chrysene-d12	13.85	240	233391	20.00	ng		0.00
86) Perylene-d12	15.24	264	167743	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	42874	7.33	ng		0.02
7) Phenol-d6	6.37	99	76130	10.20	ng		0.01
23) Nitrobenzene-d5	7.27	82	118044	29.53	ng		0.00
41) 2,4,6-Tribromophenol	10.53	330	28081	18.97	ng		0.00
44) 2-Fluorobiphenyl	9.06	172	196689	19.75	ng		-0.01
78) Terphenyl-d14	12.79	244	105011	11.04	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.36	88	7498	2.783	ng		93
3) Pyridine	3.10	79	88586	12.776	ng		92
6) Aniline	6.38	93	174071	18.228	ng	#	23
10) Phenol	6.38	94	197414	23.354	ng	#	63
15) Benzyl Alcohol	6.87	79	19924	3.487	ng		89
17) 2-Methylphenol	6.99	107	160327	30.461	ng	#	92
20) 3+4-Methylphenols	7.14	107	425391	66.941	ng	#	50
22) Acetophenone	7.13	105	1026604	188.160	ng	#	93
27) 2,4-Dimethylphenol	7.68	122	371525	118.445	ng		98
31) Naphthalene	8.06	128	13219542	1198.758	ng	#	93
37) 2-Methylnaphthalene	8.72	142	1507909	212.111	ng		96
45) 1,1'-Biphenyl	9.16	154	259516	21.207	ng		97
48) Acenaphthylene	9.60	152	51857	3.516	ng	#	87
49) Dimethylphthalate	9.47	163	274854	25.160	ng		99
51) Acenaphthene	9.77	154	336586	37.748	ng		99
54) Dibenzofuran	9.95	168	431360	32.529	ng		98
57) Fluorene	10.28	166	192097	20.303	ng	#	97
70) Phenanthrene	11.24	178	349241	28.405	ng		99
71) Anthracene	11.29	178	44659	3.581	ng		99
72) Carbazole	11.45	167	211051	17.010	ng		99
74) Fluoranthene	12.42	202	45877	3.492	ng		97

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

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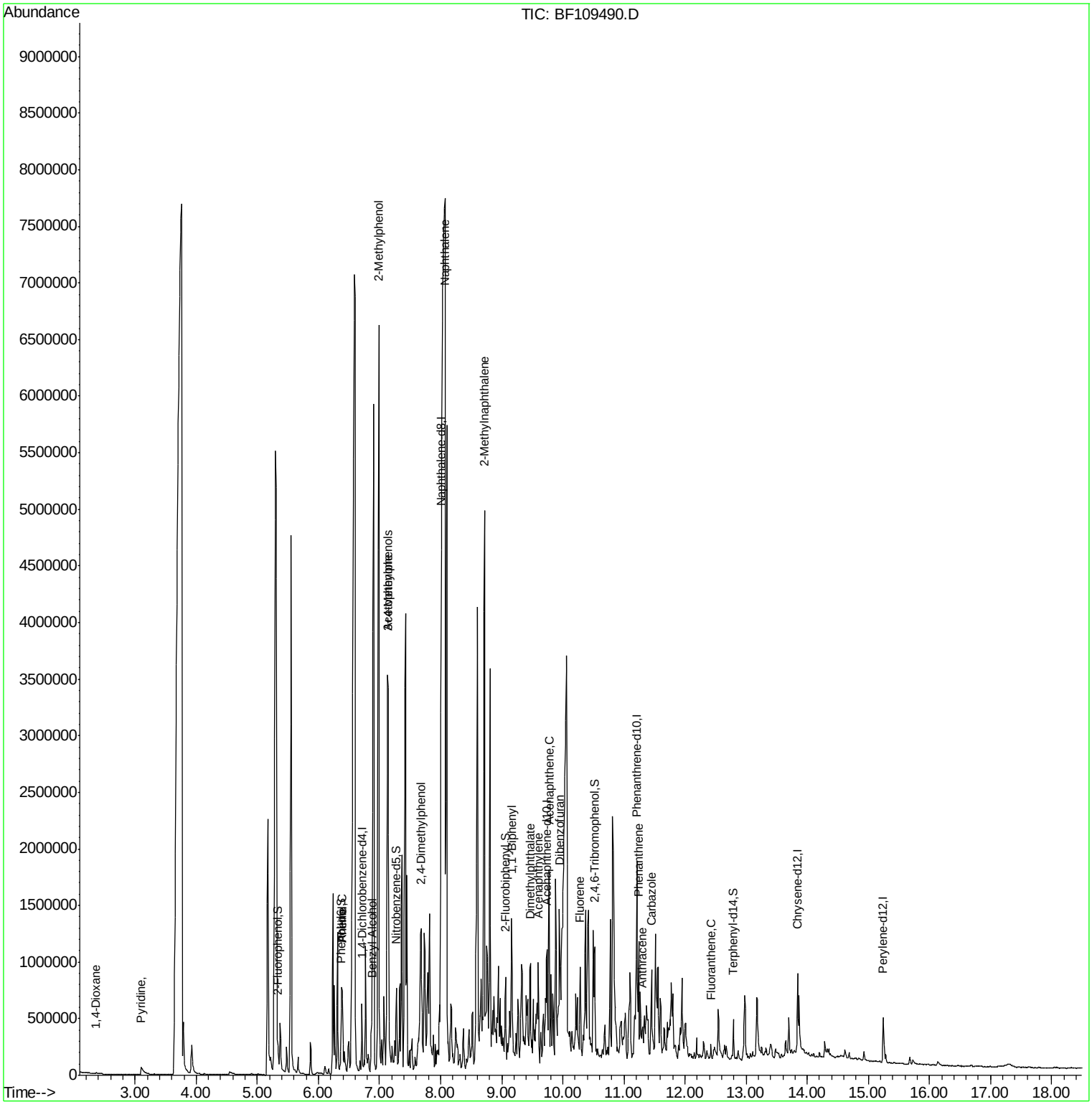
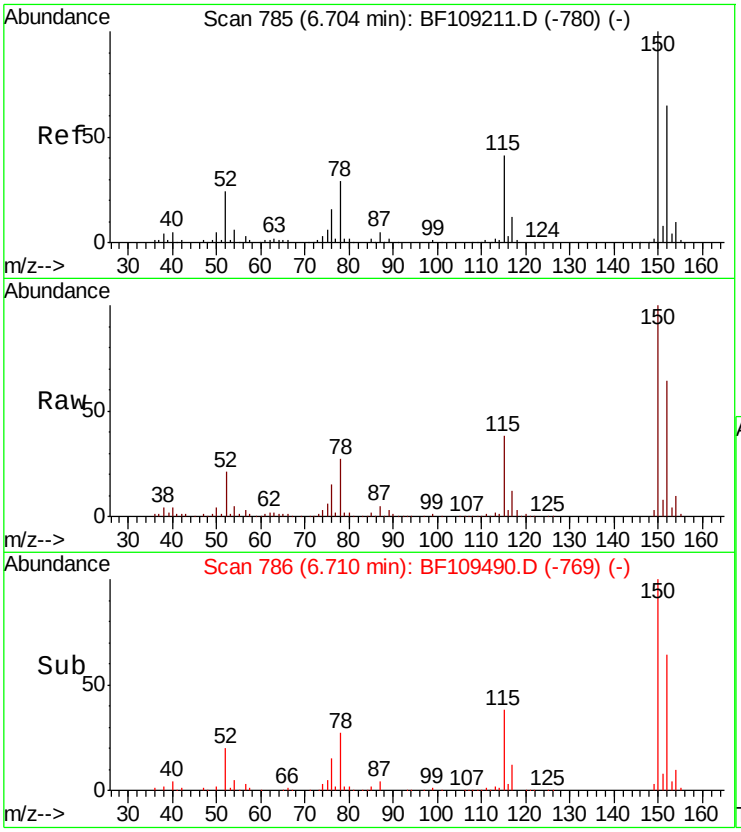
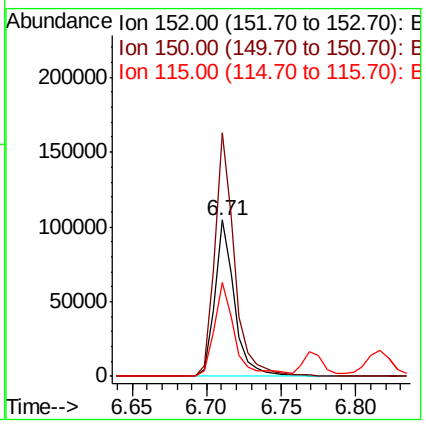




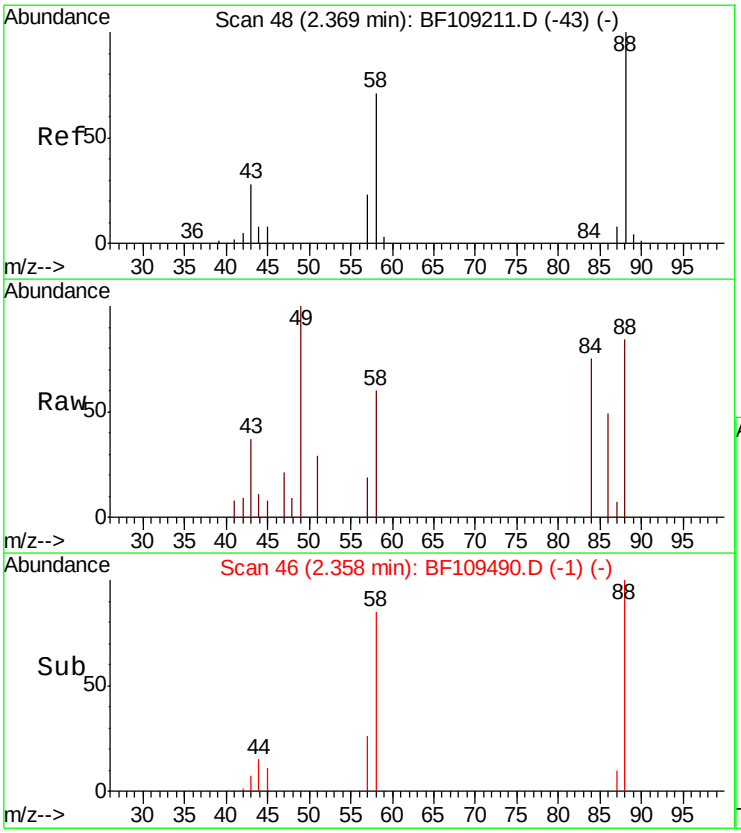
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:152 Resp: 96348

Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	60.0	50.1	75.1



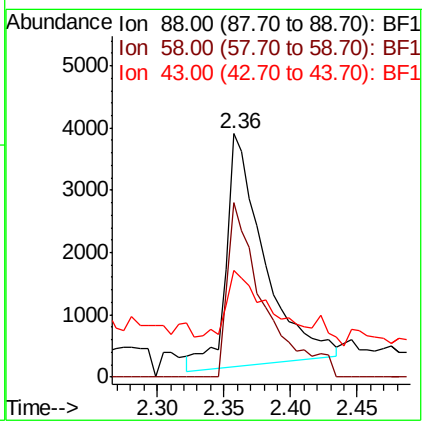
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

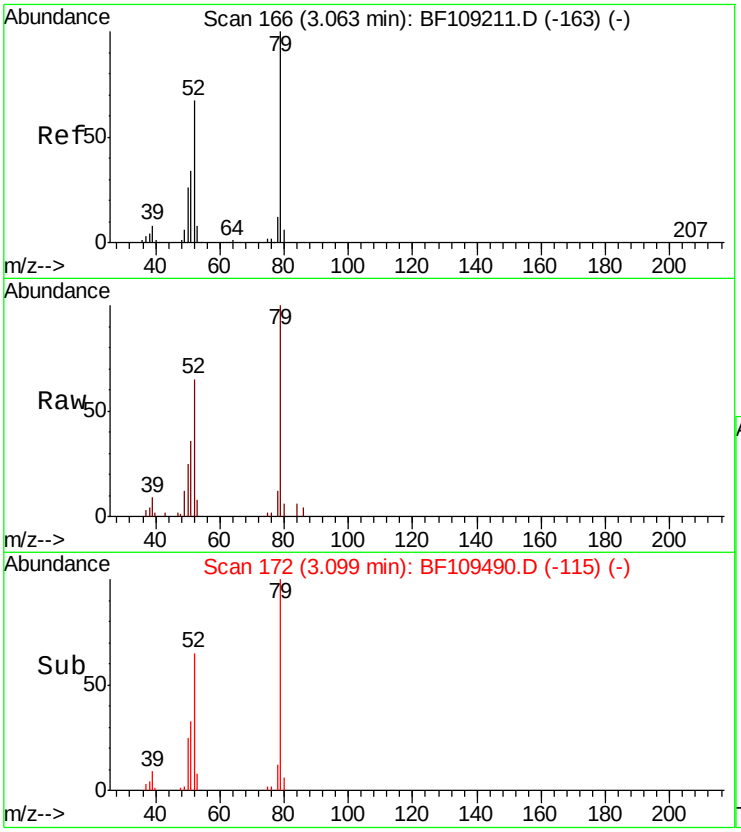


#2
1,4-Dioxane
Concen: 2.783 ng
RT: 2.36 min Scan# 46
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion: 88 Resp: 7498

Ion	Ratio	Lower	Upper
88	100		
58	71.2	62.6	93.8
43	29.0	24.6	37.0



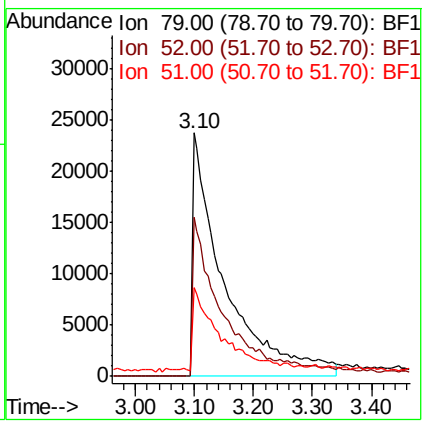


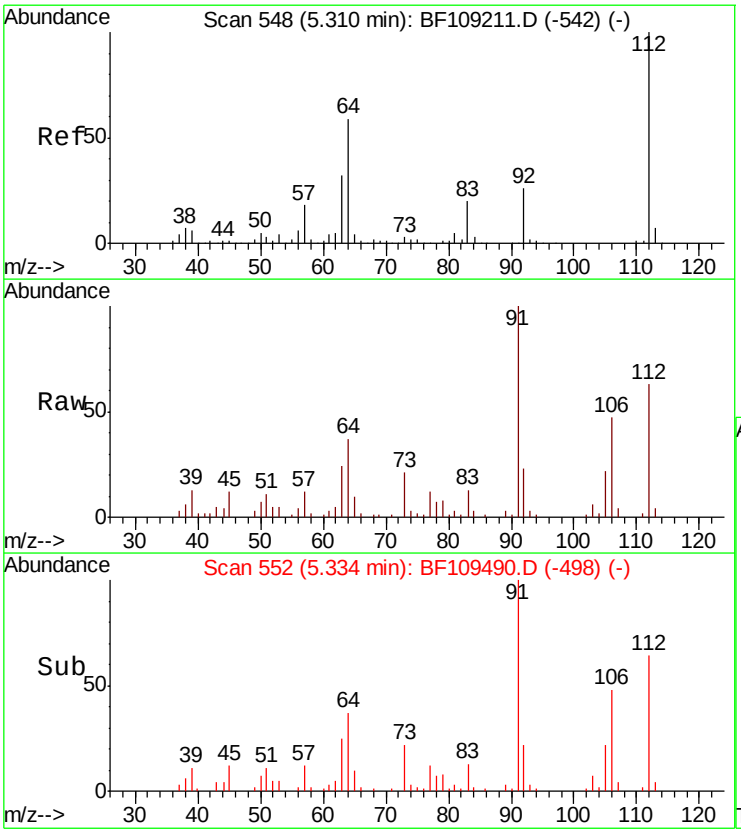
#3
Pyridine
Concen: 12.776 ng
RT: 3.10 min Scan# 172
Delta R.T. 0.04 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion: 79 Resp: 88586

Ion	Ratio	Lower	Upper
79	100		
52	65.3	59.8	89.6
51	36.3	29.8	44.8

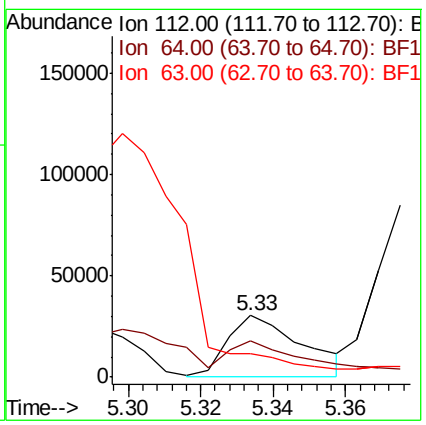


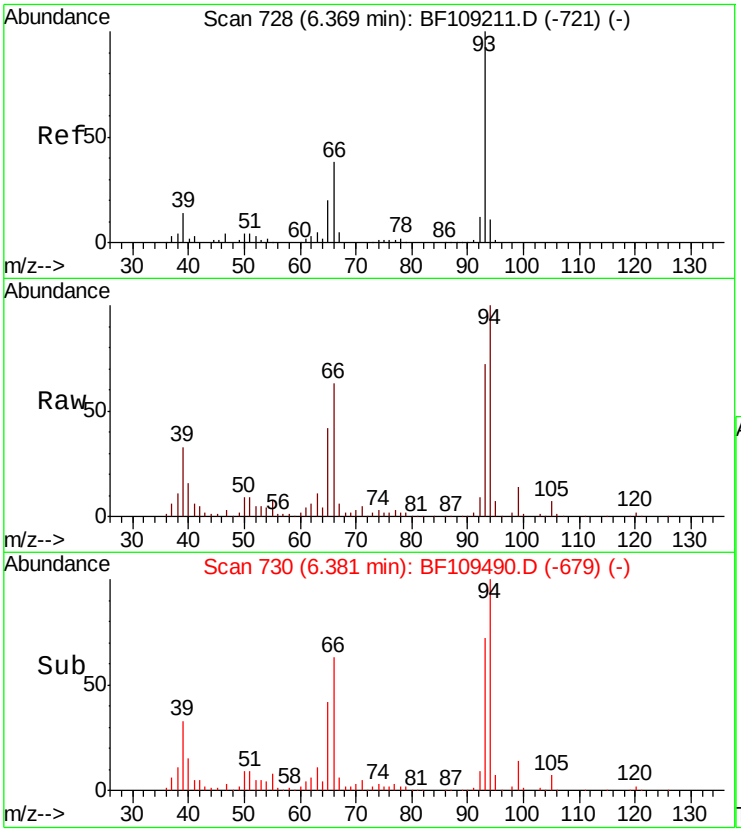


#5
2-Fluorophenol
Concen: 7.329 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.02 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:112 Resp: 42874

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	38.4	23.7	35.5#



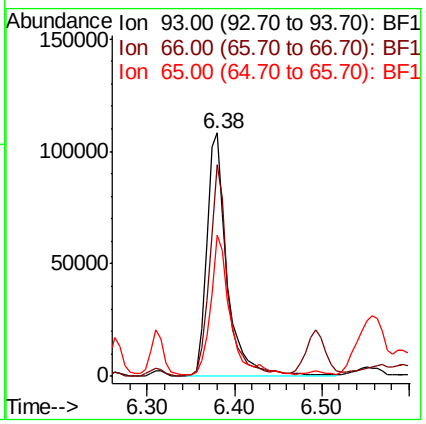


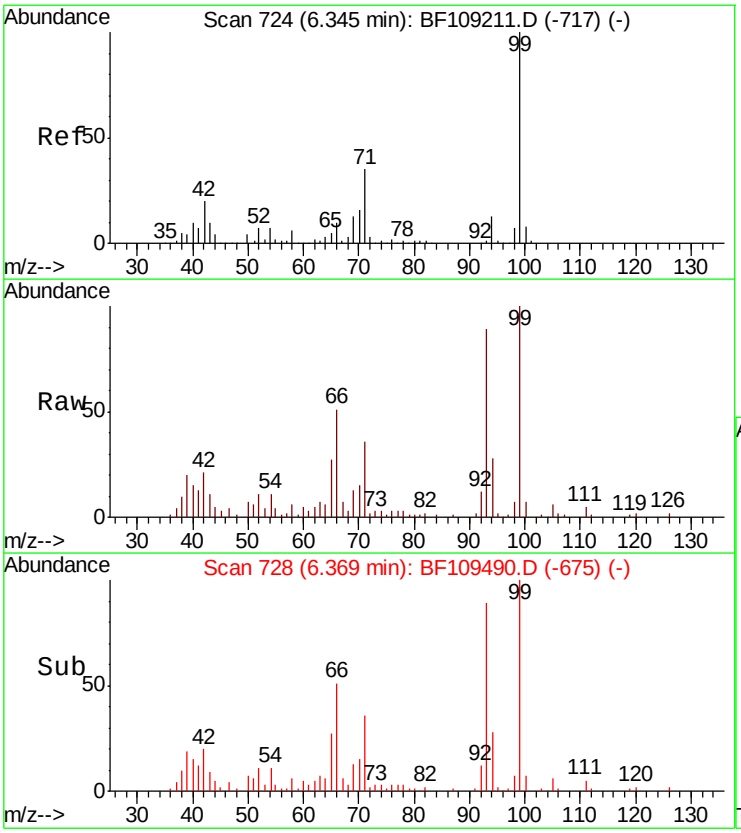
#6
Aniline
Concen: 18.228 ng
RT: 6.38 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion: 93 Resp: 174071

Ion	Ratio	Lower	Upper
93	100		
66	86.7	32.2	48.2#
65	57.9	16.4	24.6#

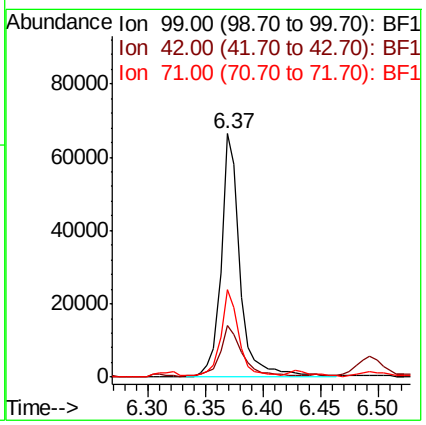


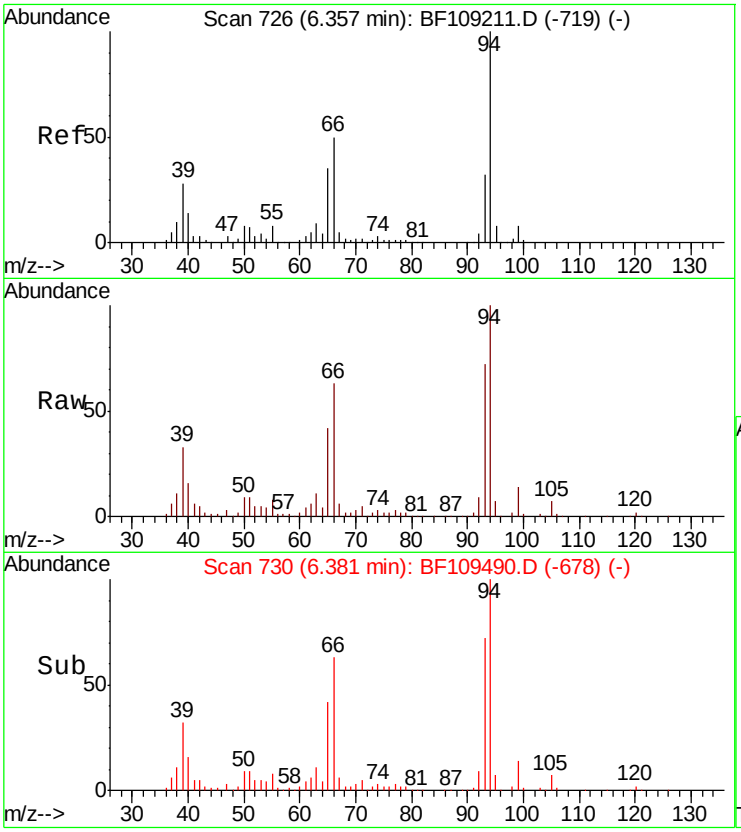


#7
Phenol-d6
Concen: 10.199 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion: 99 Resp: 76130

Ion	Ratio	Lower	Upper
99	100		
42	21.1	14.5	21.7
71	35.7	25.4	38.0



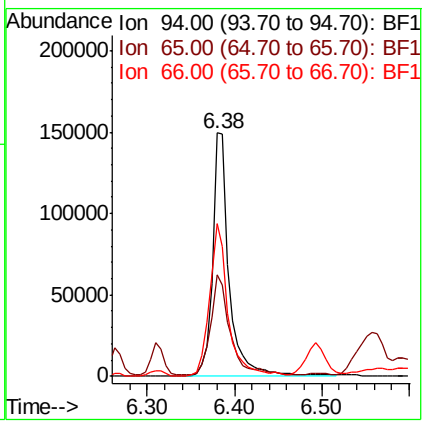


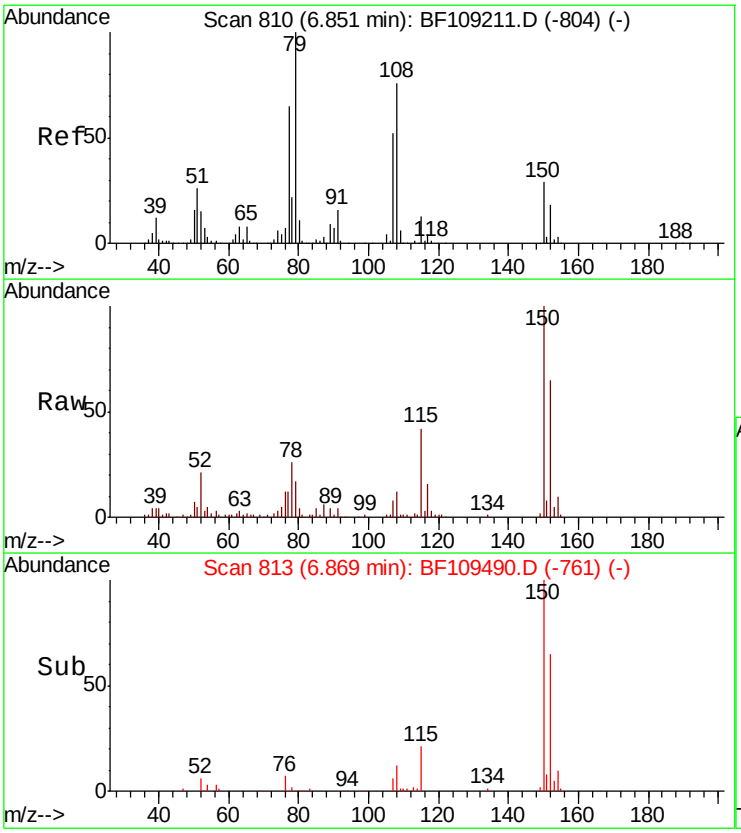
#10
Phenol
Concen: 23.354 ng
RT: 6.38 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion: 94 Resp: 197414

Ion	Ratio	Lower	Upper
94	100		
65	41.9	7.9	47.9
66	62.7	16.2	56.2#

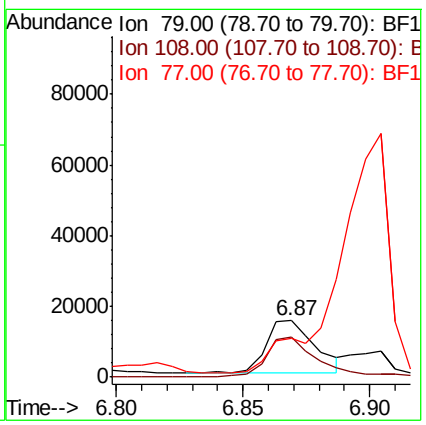


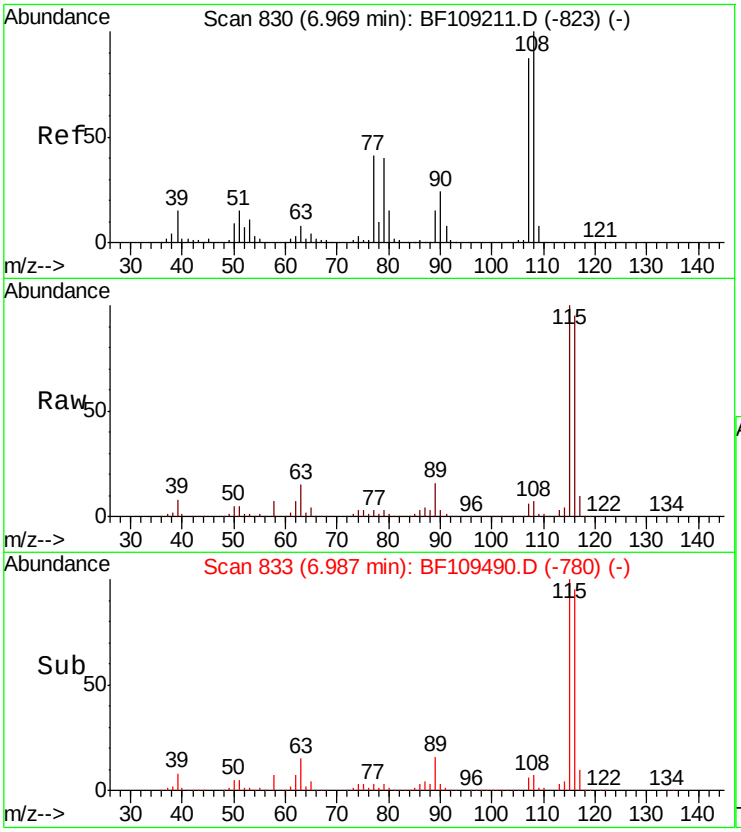


#15
Benzyl Alcohol
Concen: 3.487 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion: 79 Resp: 19924

Ion	Ratio	Lower	Upper
79	100		
108	70.1	65.1	97.7
77	69.4	50.6	75.8



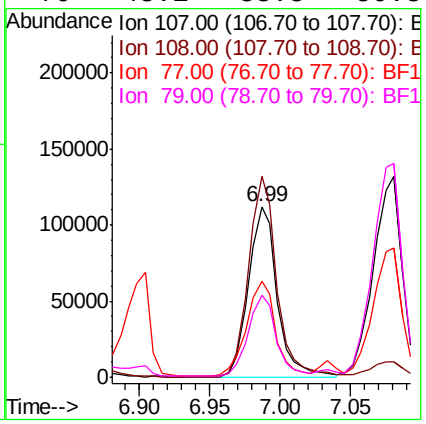


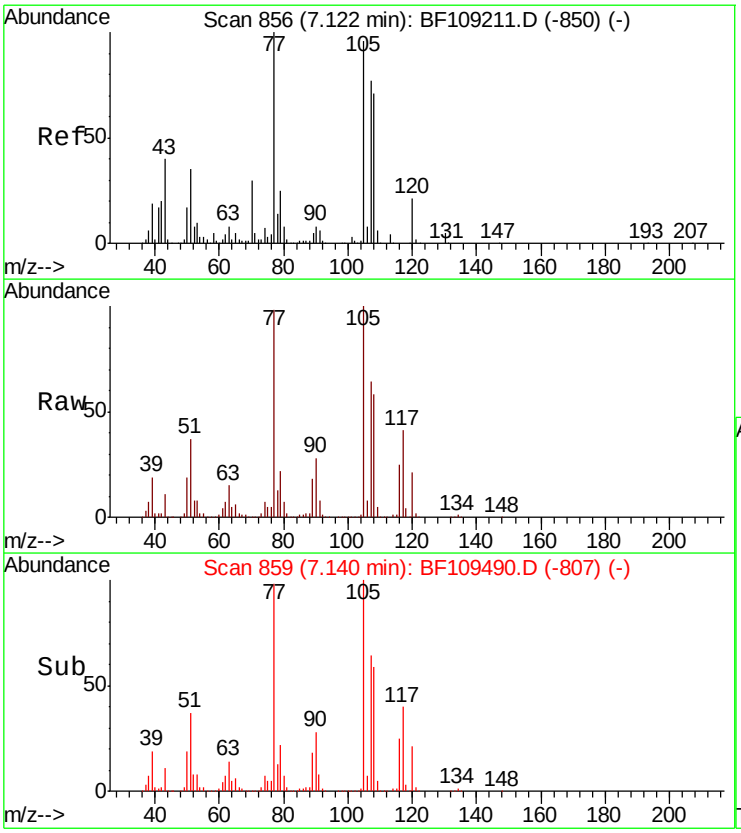
#17
2-Methylphenol
Concen: 30.461 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:107 Resp: 160327

Ion	Ratio	Lower	Upper
107	100		
108	117.8	91.7	137.5
77	56.1	33.8	50.8#
79	48.1	33.8	50.8

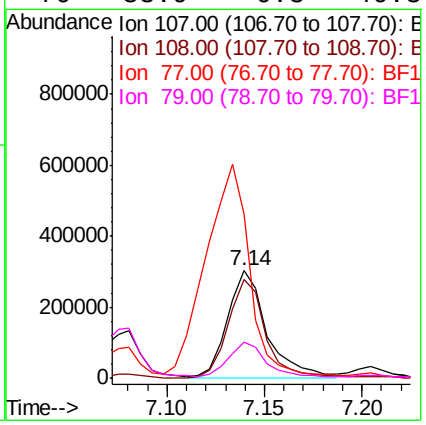


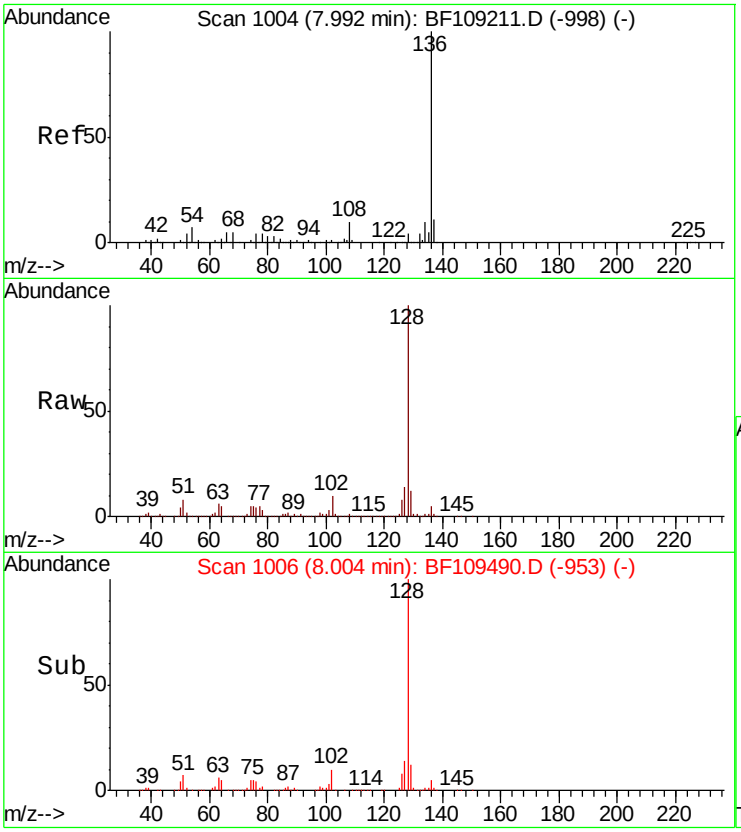


#20
3+4-Methylphenols
Concen: 66.941 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:107 Resp: 425391

Ion	Ratio	Lower	Upper
107	100		
108	91.3	68.2	108.2
77	152.6	26.7	66.7#
79	33.9	6.3	46.3



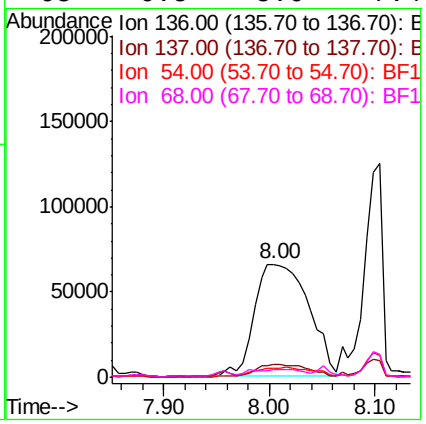


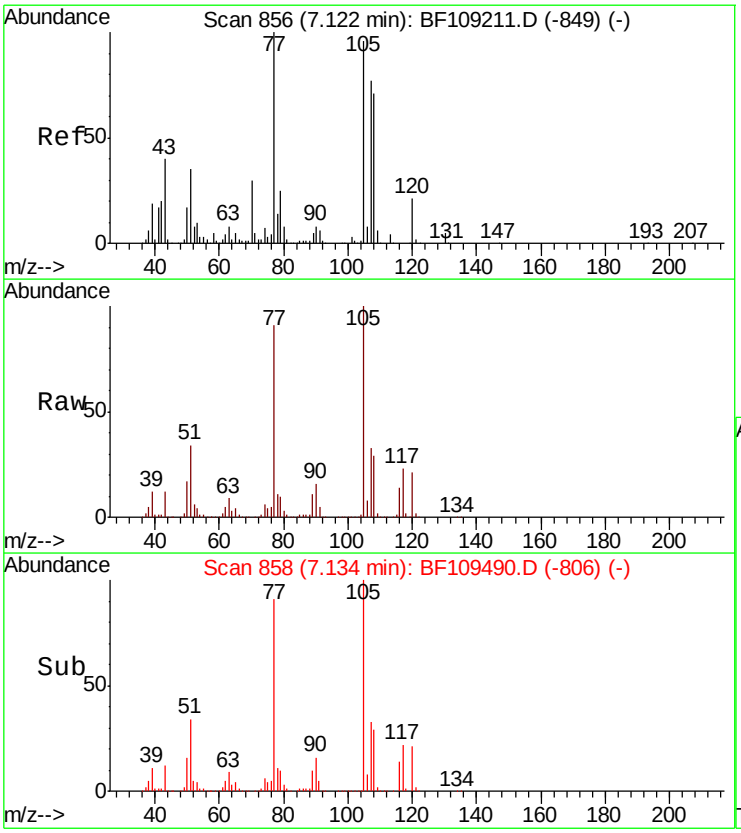
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:136 Resp: 235989

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.7	6.6	9.8
68	6.5	5.0	7.4

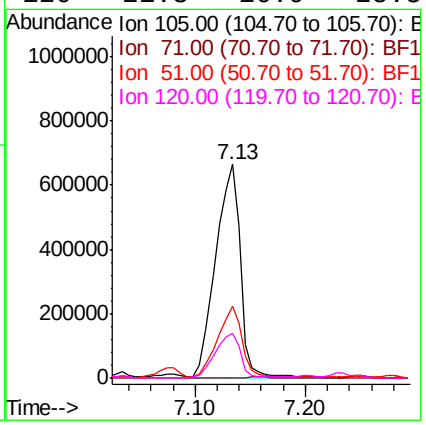


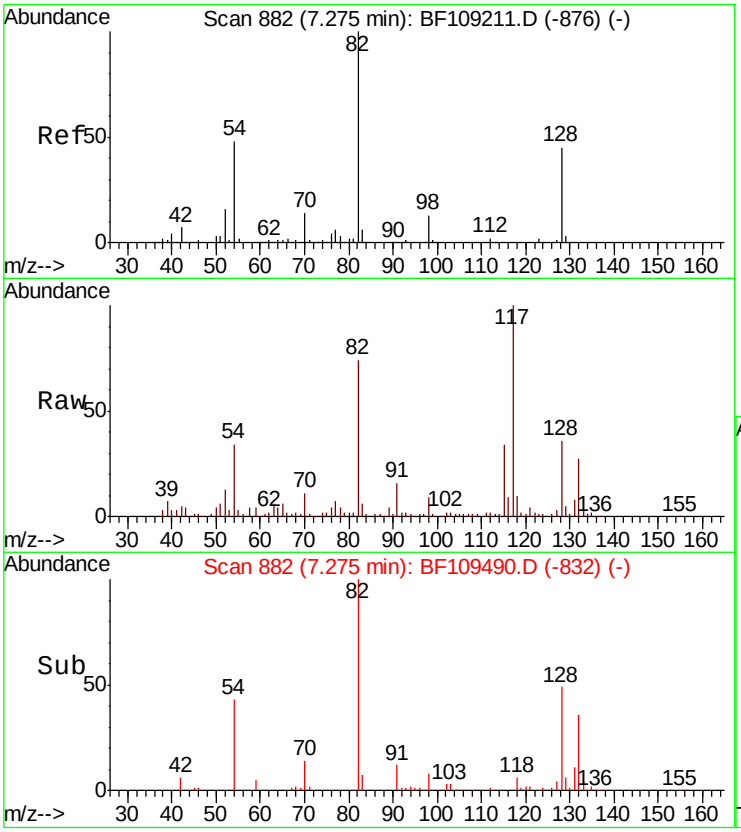


#22
Acetophenone
Concen: 188.160 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:105 Resp: 1026604

Ion	Ratio	Lower	Upper
105	100		
71	0.1	4.4	6.6#
51	33.8	22.3	33.5#
120	21.3	16.9	25.3



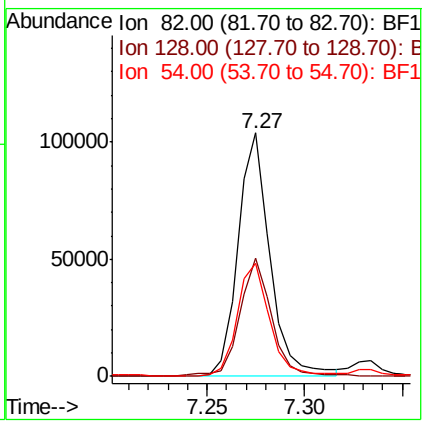


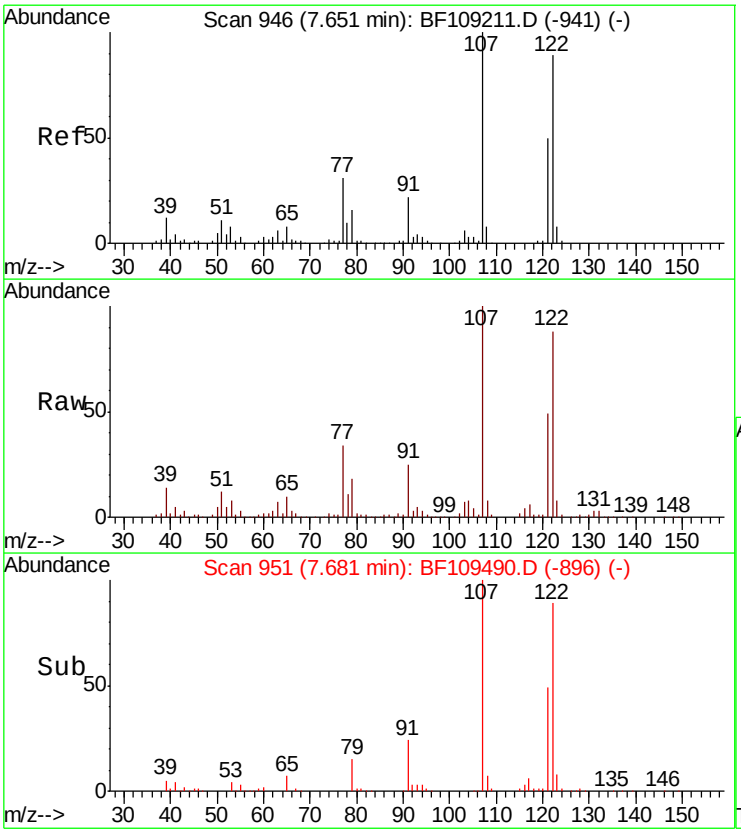
#23
Nitrobenzene-d5
Concen: 29.528 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion: 82 Resp: 118044

Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	46.4	41.4	62.2

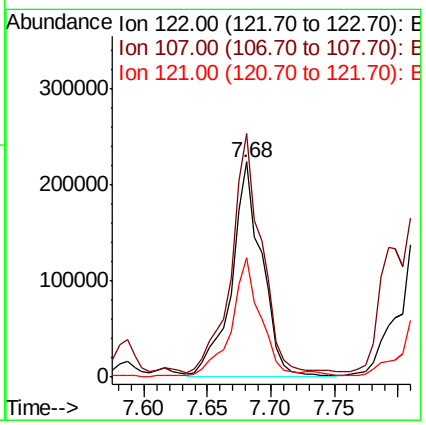


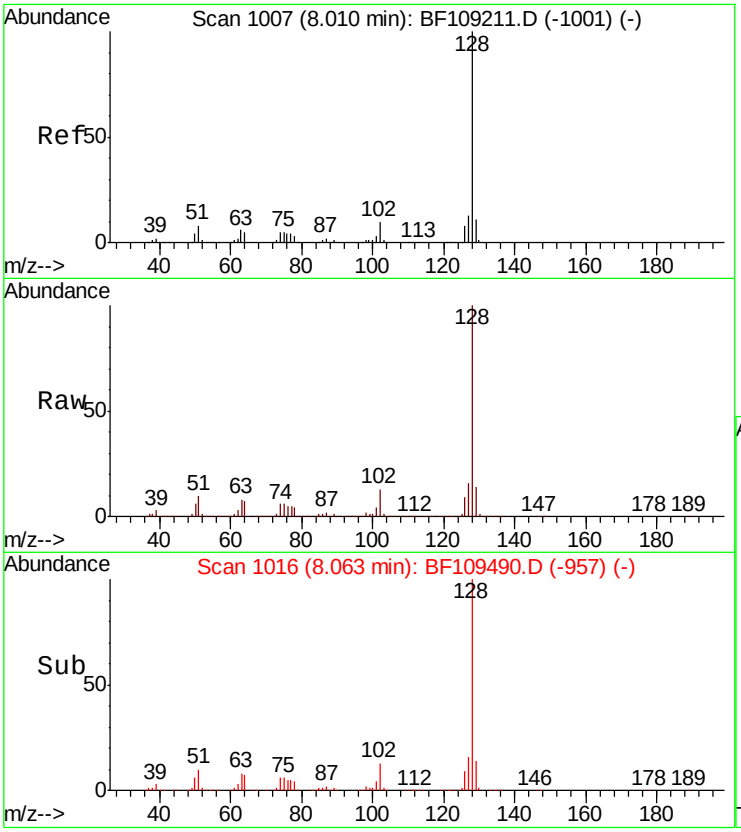


#27
2,4-Dimethylphenol
Concen: 118.445 ng
RT: 7.68 min Scan# 951
Delta R.T. 0.02 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:122 Resp: 371525

Ion	Ratio	Lower	Upper
122	100		
107	113.3	91.2	136.8
121	55.7	47.2	70.8



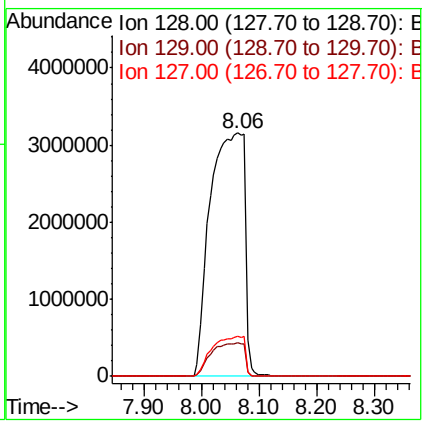


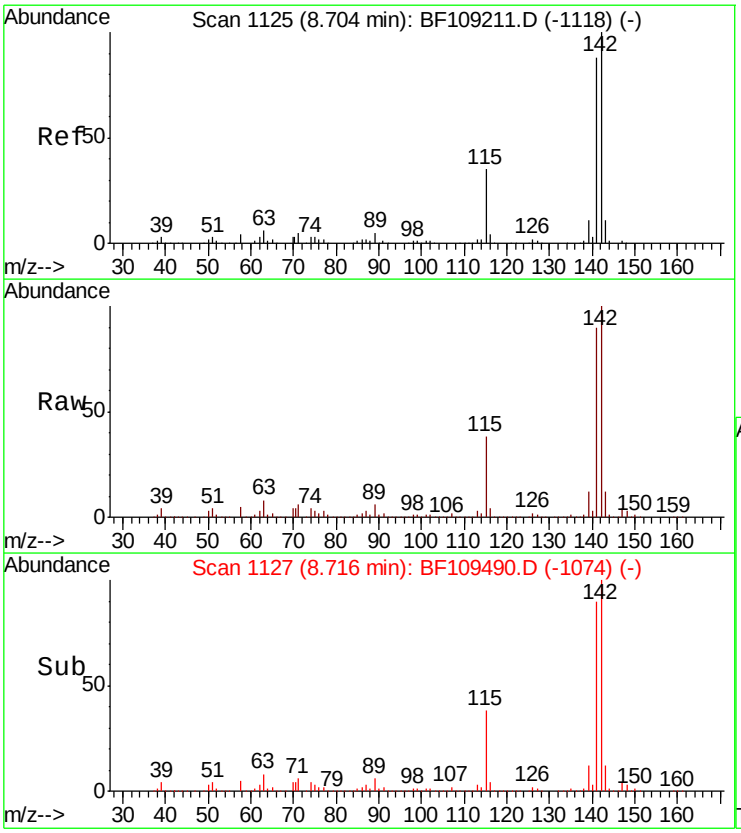
#31
Naphthalene
Concen: 1198.758 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.05 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:128 Resp:13219542

Ion	Ratio	Lower	Upper
128	100		
129	13.6	8.8	13.2#
127	16.3	10.9	16.3#

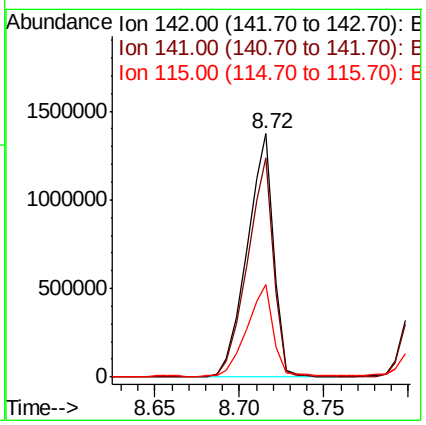


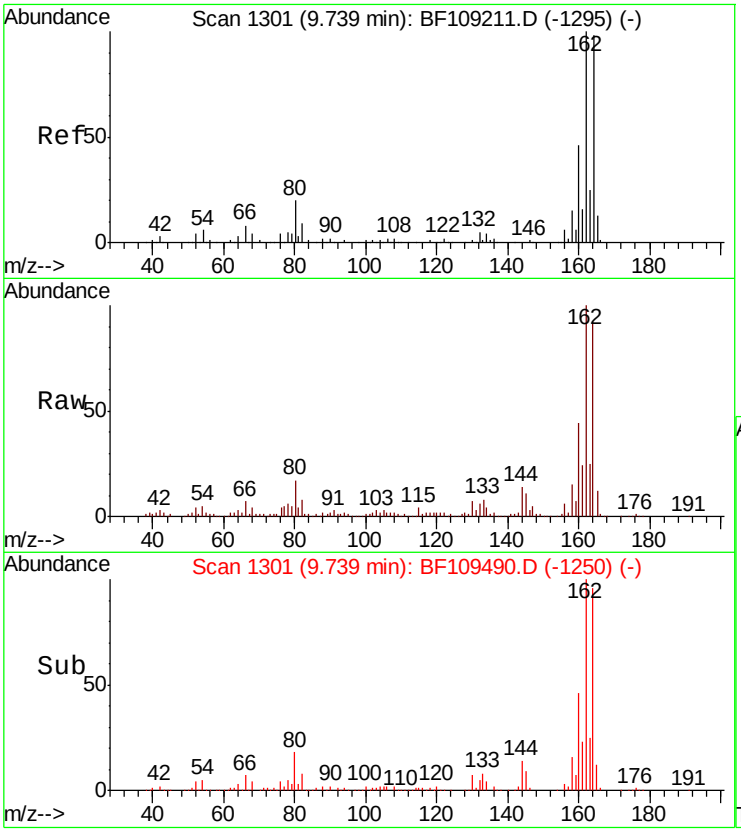


#37
2-Methylnaphthalene
Concen: 212.111 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:142 Resp: 1507909

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	37.9	26.1	39.1



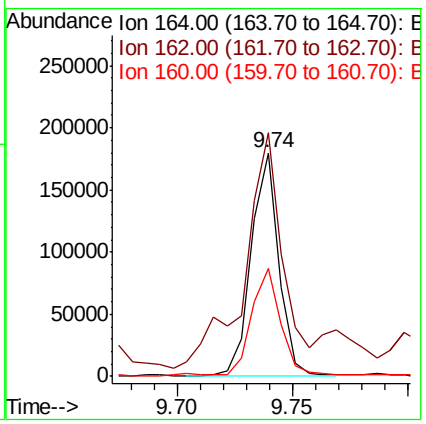


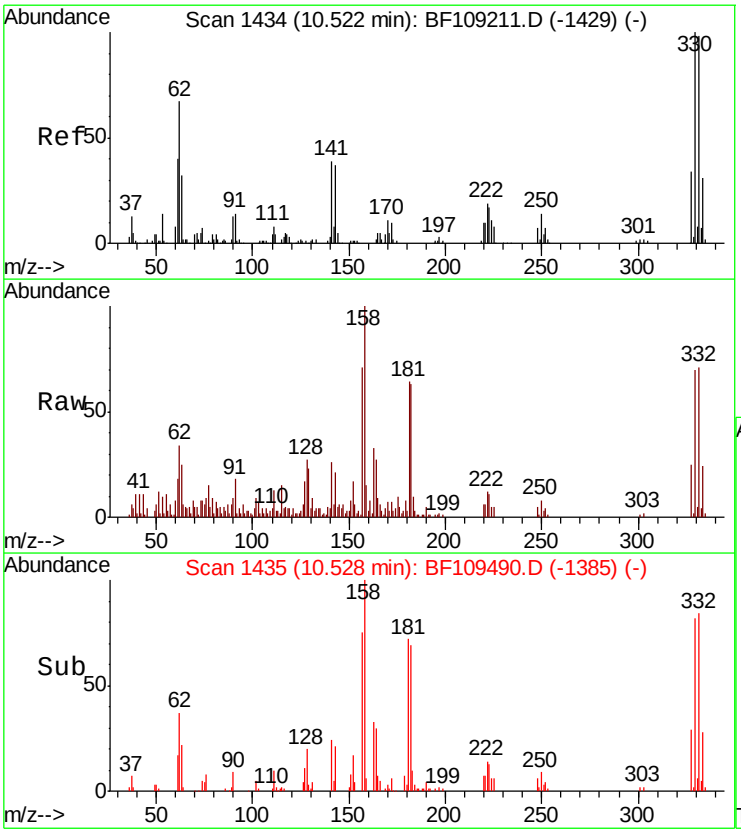
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:164 Resp: 150196

Ion	Ratio	Lower	Upper
164	100		
162	109.0	86.1	129.1
160	48.2	38.3	57.5

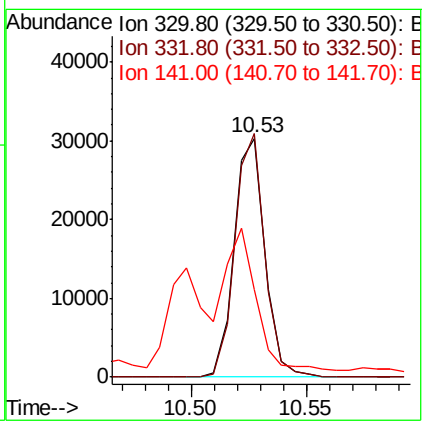


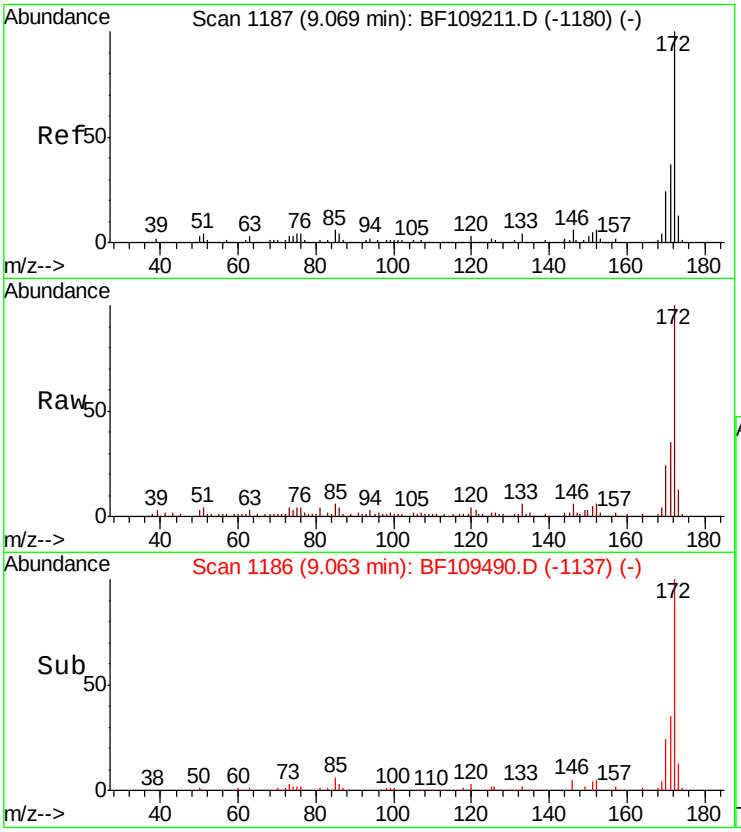


#41
2,4,6-Tribromophenol
Concen: 18.966 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:330 Resp: 28081

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	58.8	29.9	44.9#



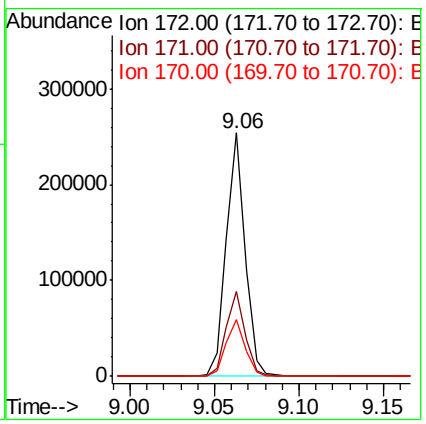


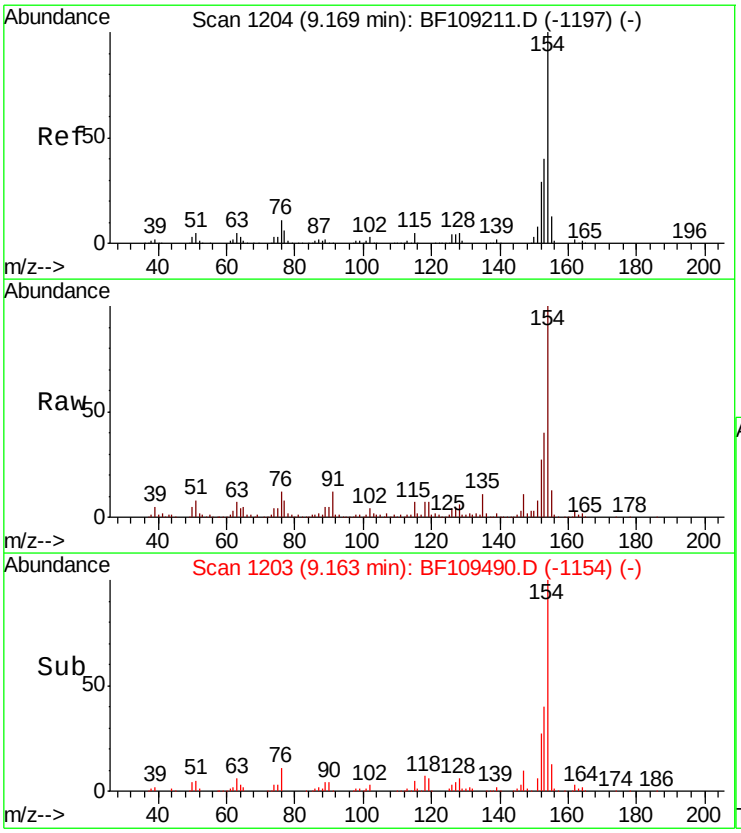
#44
2-Fluorobiphenyl
Concen: 19.751 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:172 Resp: 196689

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.6	19.6	29.4

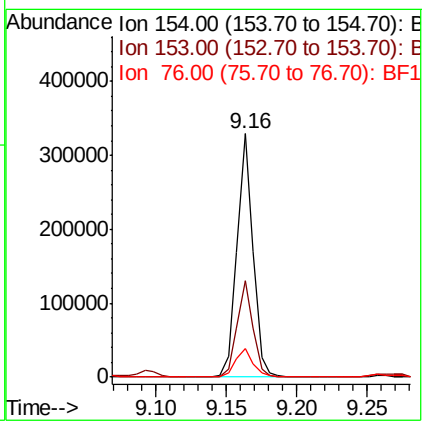


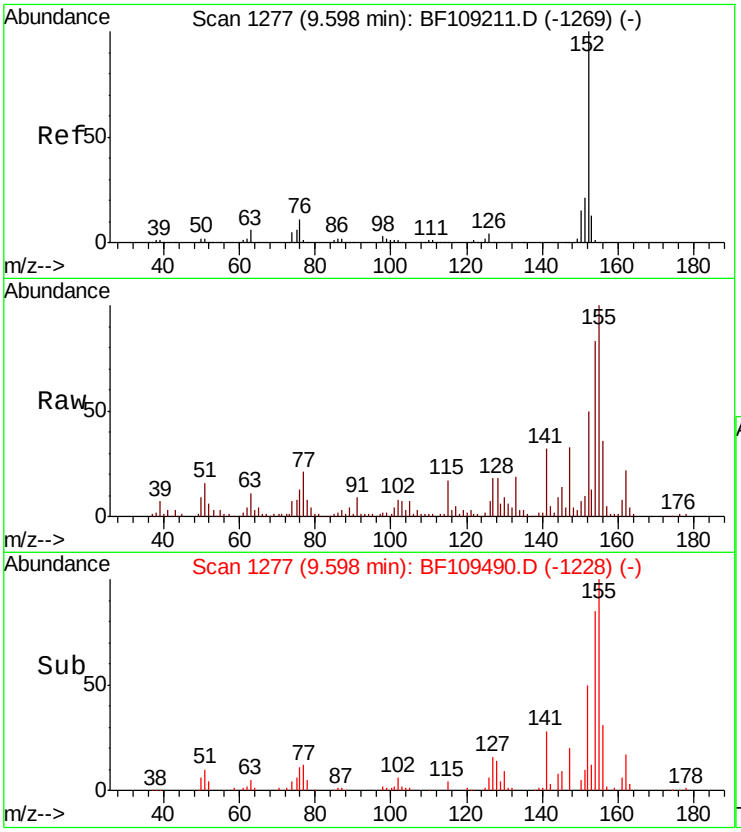


#45
1,1'-Biphenyl
Concen: 21.207 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:154 Resp: 259516

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.3	61.3
76	11.7	0.0	34.0



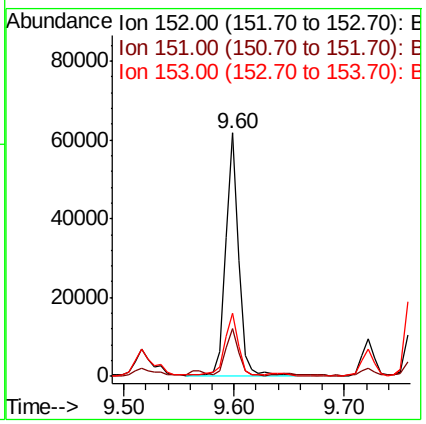


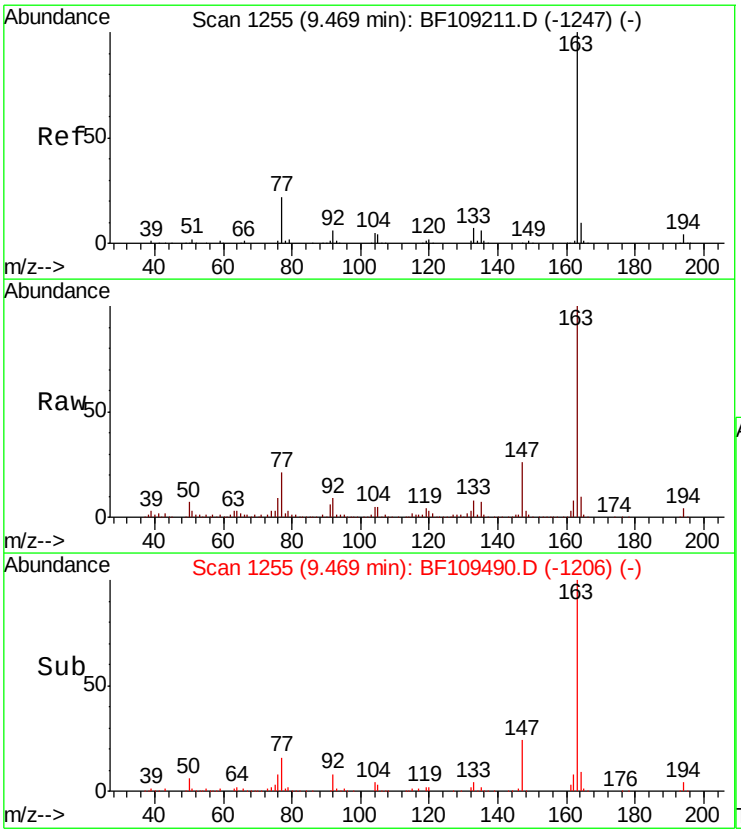
#48
Acenaphthylene
Concen: 3.516 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:152 Resp: 51857

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	26.1	10.7	16.1#

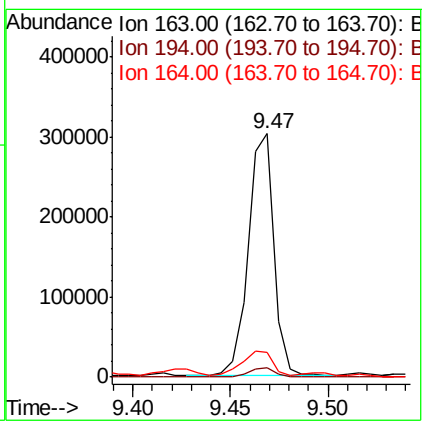


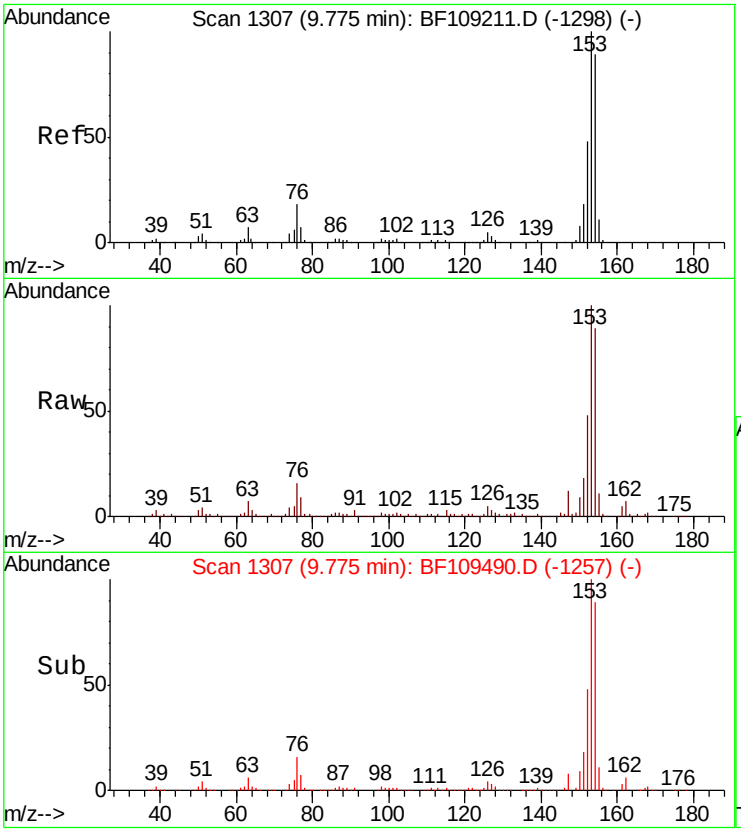


#49
Dimethylphthalate
Concen: 25.160 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:163 Resp: 274854

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.2	8.2	12.2



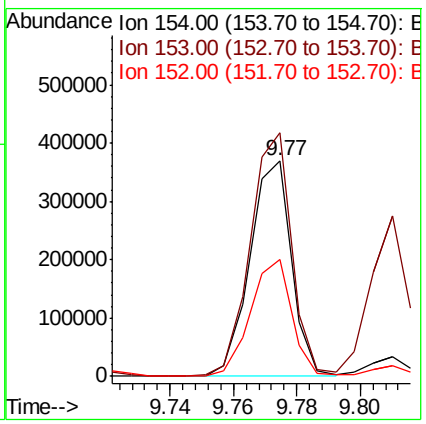


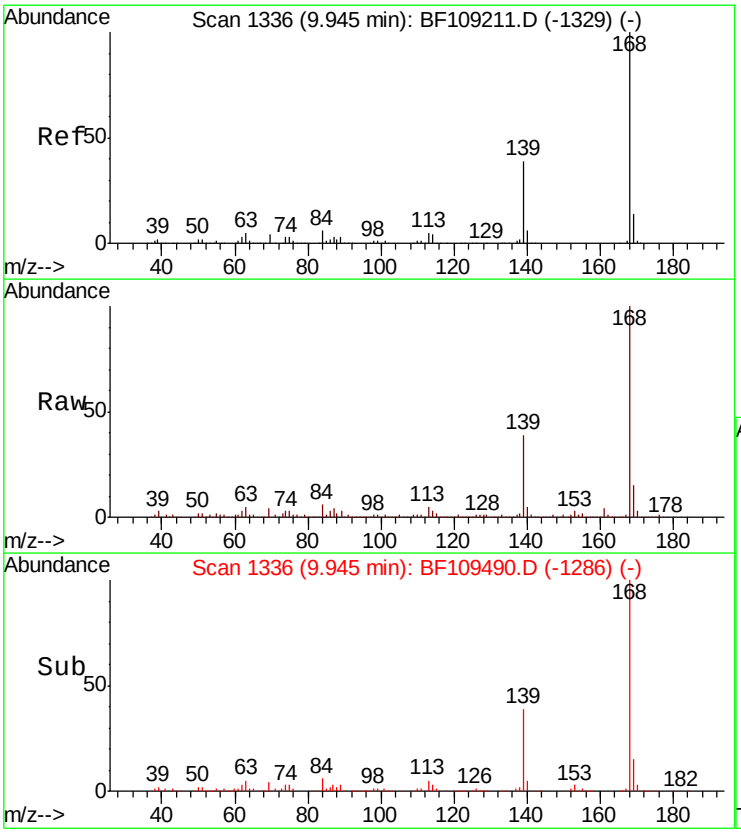
#51
Acenaphthene
Concen: 37.748 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:154 Resp: 336586

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.2	136.8
152	54.0	43.8	65.8

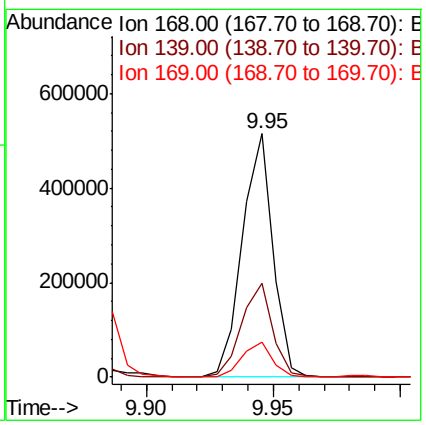


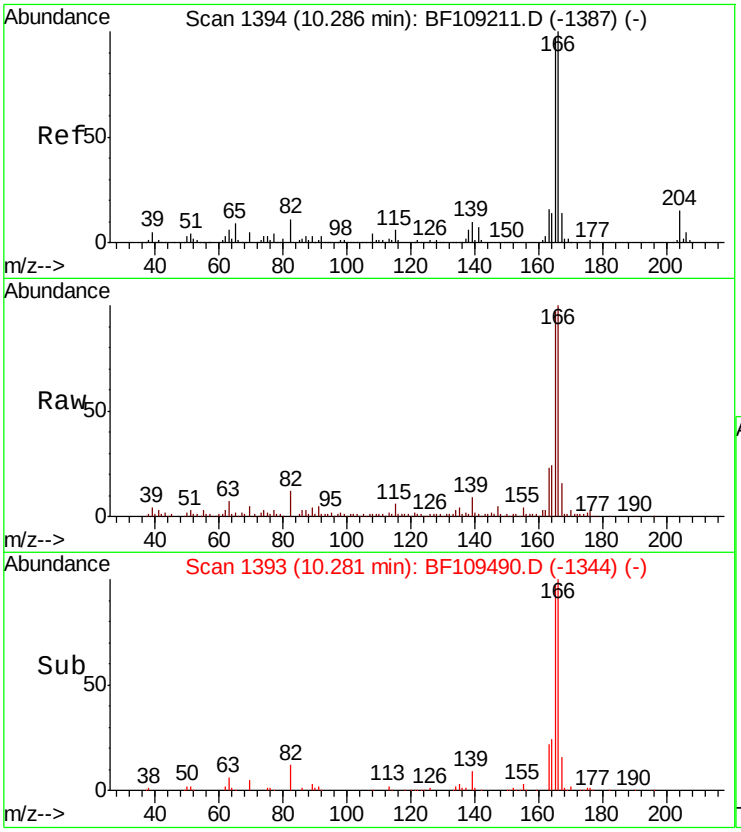


#54
Dibenzofuran
Concen: 32.529 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:168 Resp: 431360

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.1	45.1
169	14.6	10.9	16.3



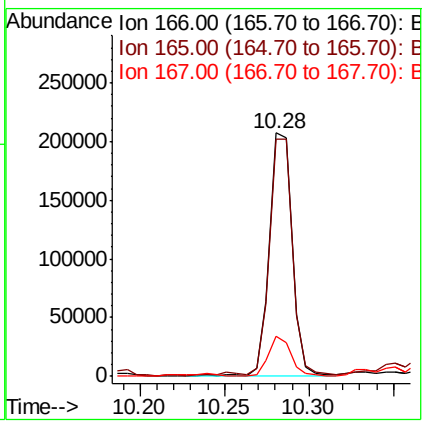


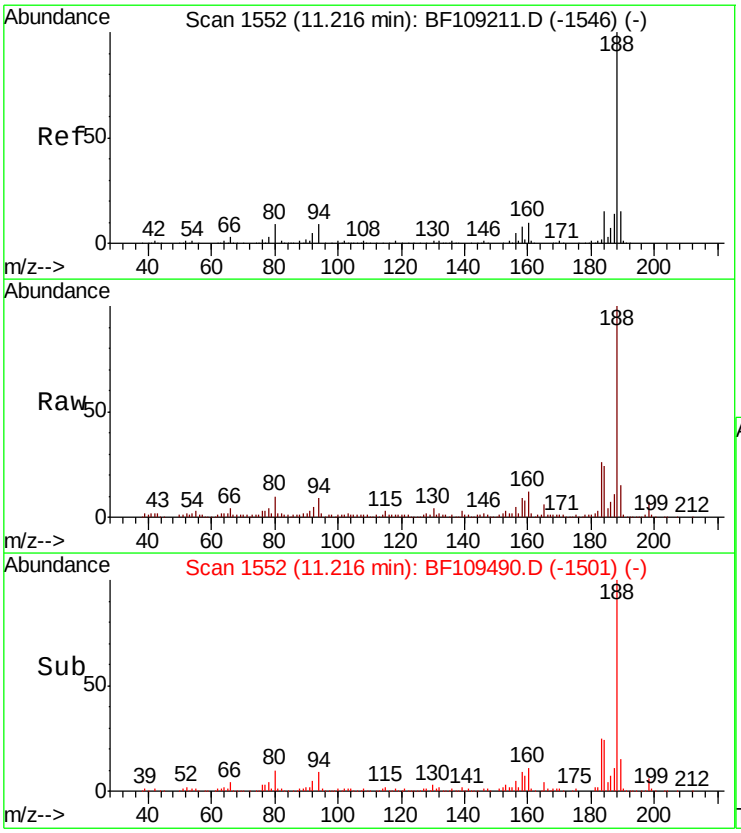
#57
Fluorene
Concen: 20.303 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:166 Resp: 192097

Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	16.4	10.6	16.0#

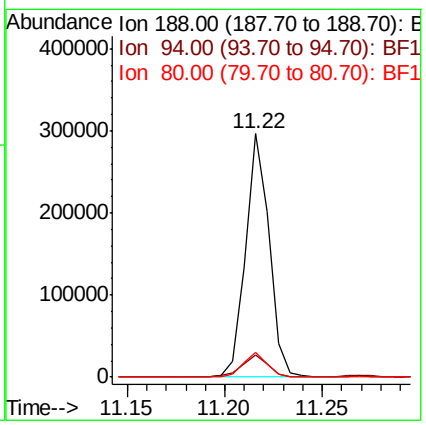


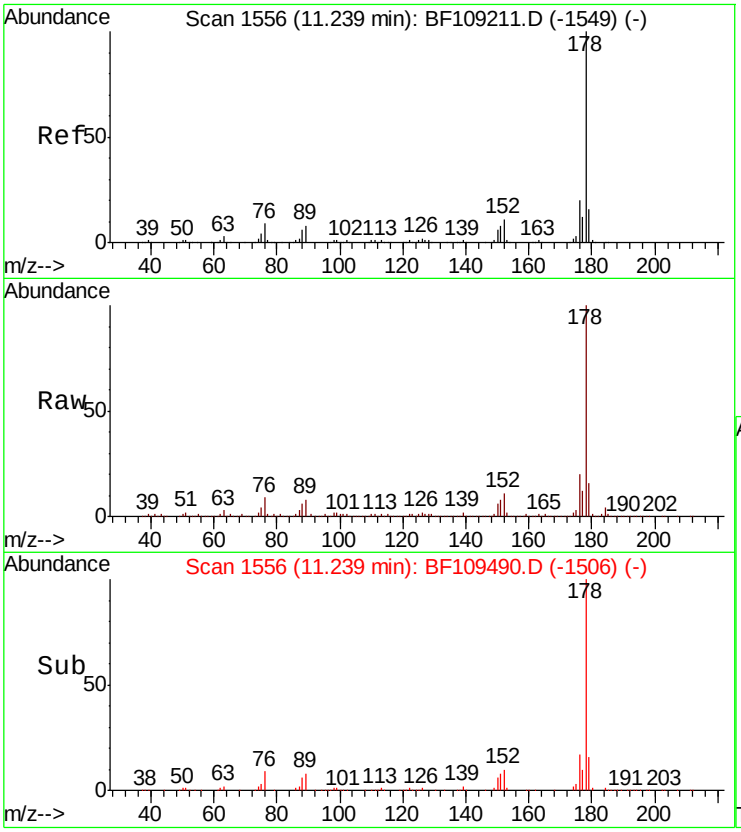


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:188 Resp: 246247

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.2	9.2	13.8



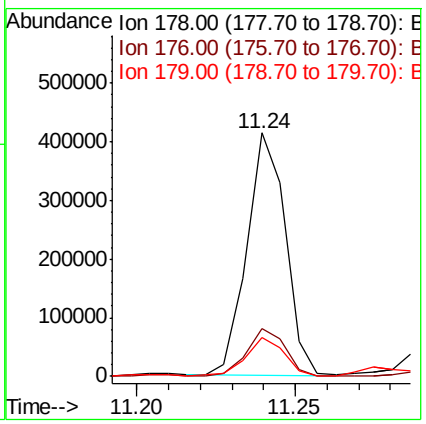


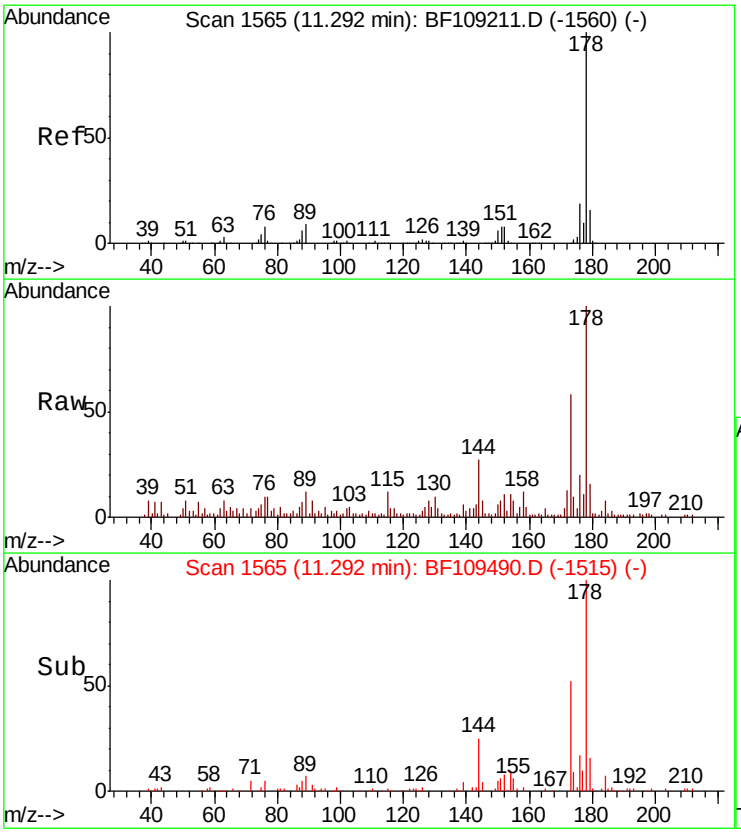
#70
Phenanthrene
Concen: 28.405 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:178 Resp: 349241

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

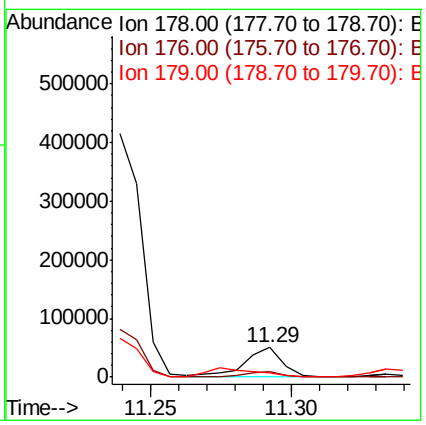


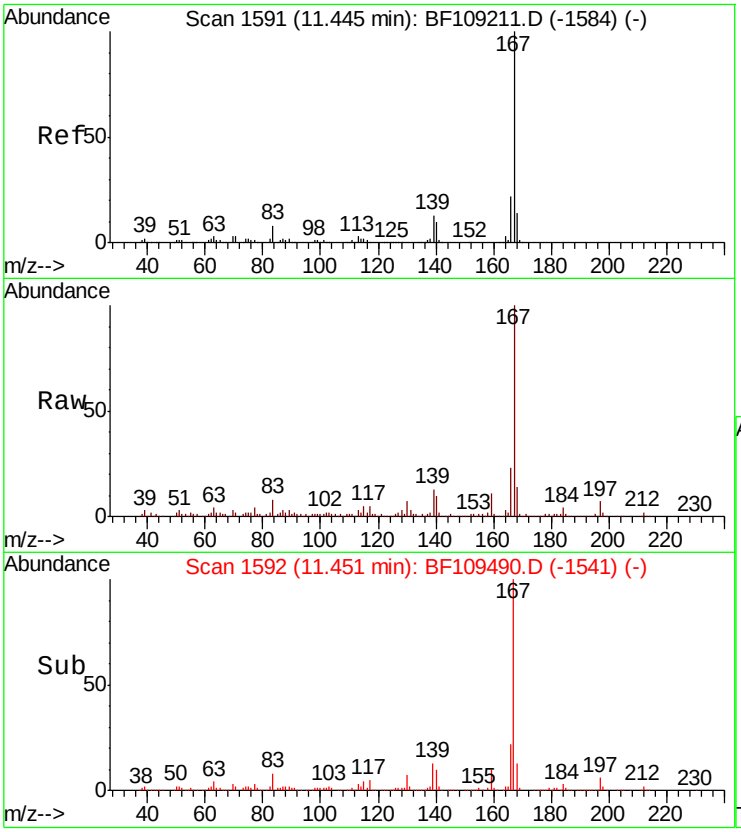


#71
Anthracene
Concen: 3.581 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:178 Resp: 44659

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	16.5	12.6	19.0



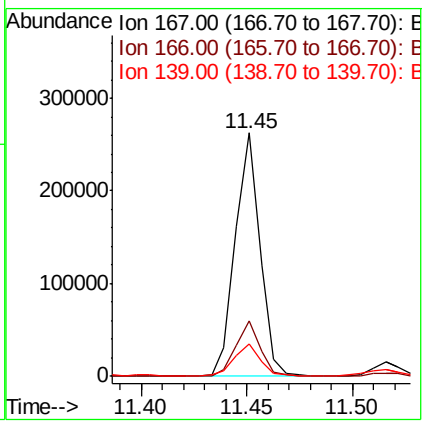


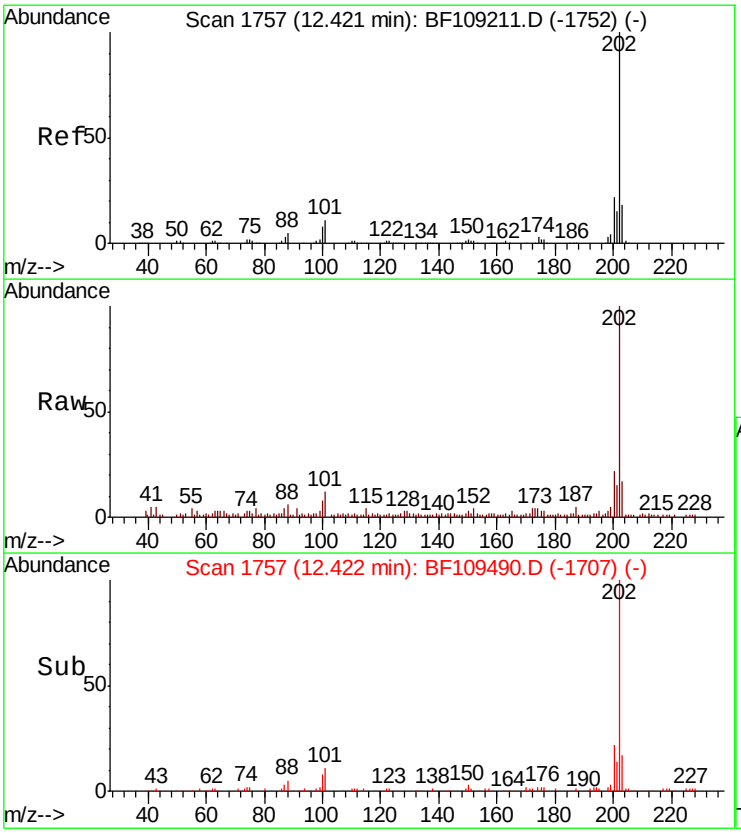
#72
Carbazole
Concen: 17.010 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:167 Resp: 211051

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	13.3	10.9	16.3

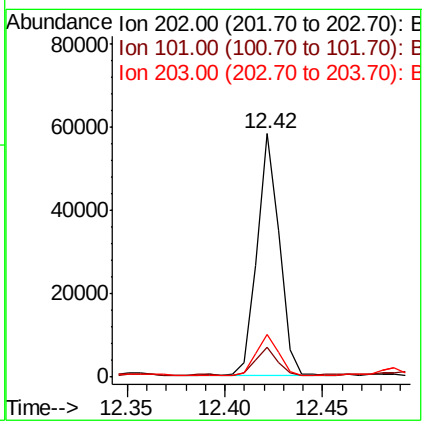


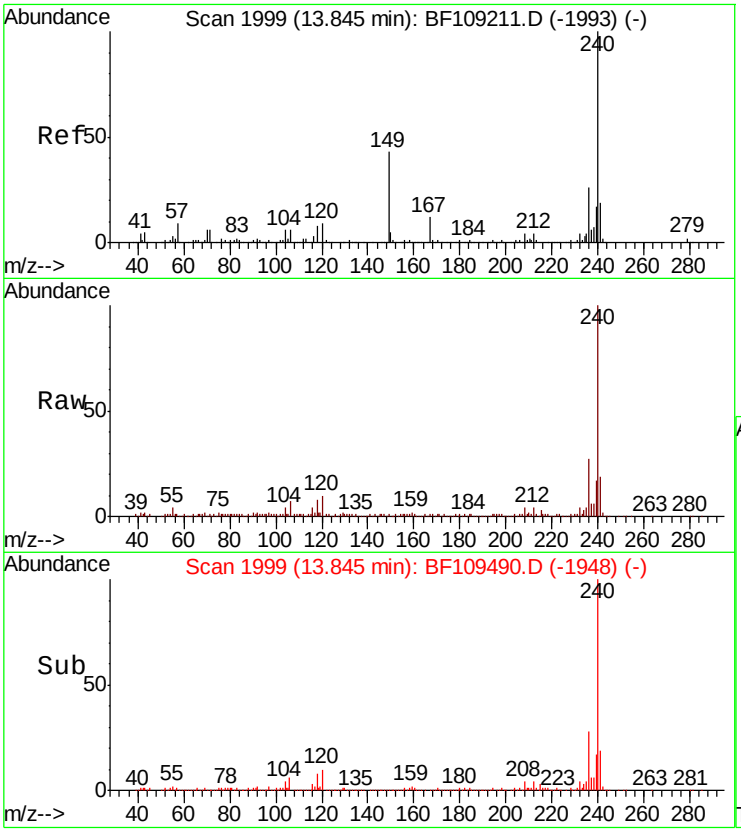


#74
Fluoranthene
Concen: 3.492 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:202 Resp: 45877

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1



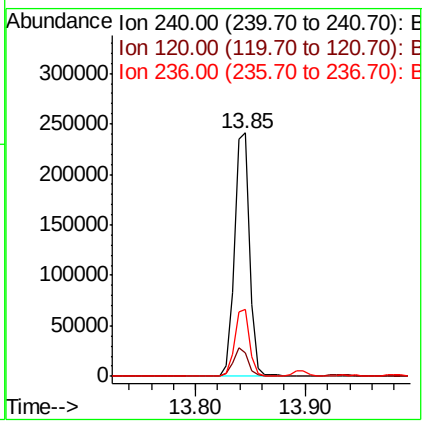


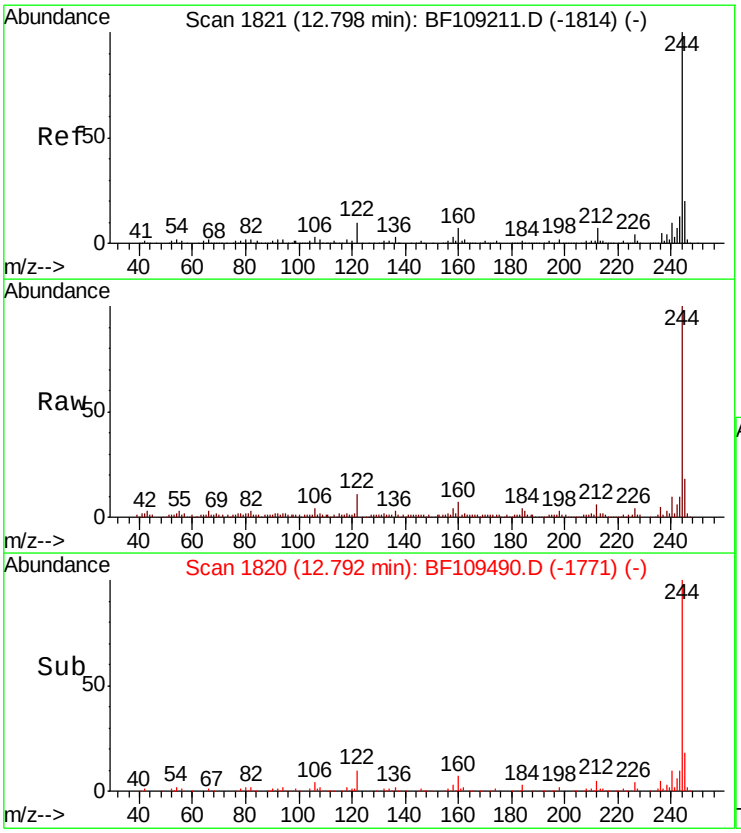
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:240 Resp: 233391

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.5	14.3
236	27.5	20.7	31.1

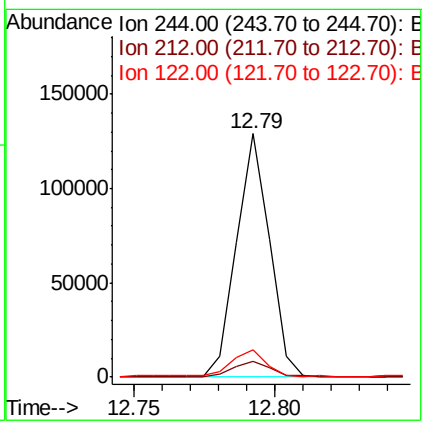


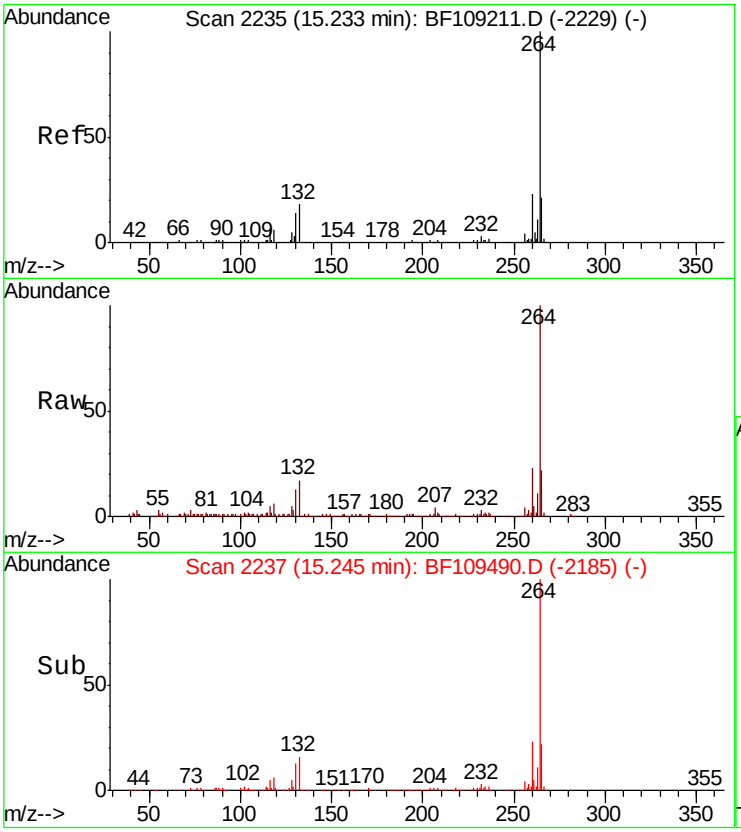


#78
Terphenyl-d14
Concen: 11.042 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Tgt Ion:244 Resp: 105011

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	11.0	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109490.D
Acq: 1 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GW

Tgt Ion:264 Resp: 167743

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.9	17.5	26.3