Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107829.D
Acq On : 31 Jul 2018 4:51
Operator : JU/SJ
Sample : J4184-02DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 31 06:43:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	164160	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	500123	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	265535	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	472151	20.00	ng		0.00
75) Chrysene-d12	14.15	240	477787	20.00	ng		0.00
86) Perylene-d12	15.69	264	388750	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	97978	10.14	ng		0.01
7) Phenol-d6	6.62	99	87991	6.91	ng		0.01
23) Nitrobenzene-d5	7.53	82	257842	29.70	ng		0.00
41) 2,4,6-Tribromophenol	10.80	330	82812	22.95	ng		0.00
44) 2-Fluorobiphenyl	9.31	172	509419	26.73	ng		0.00
78) Terphenyl-d14	13.08	244	469405	21.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.94	88	378	5.867	ng	#	79
3) Pyridine	3.62	79	300	6.277	ng	#	1
9) Benzaldehyde	6.51	77	46534	6.059	ng	#	1
18) Hexachloroethane	7.46	117	16608	3.262	ng	#	20
19) n-Nitroso-di-n-propylamine	7.53	70	35966	4.454	ng	#	84
20) 3+4-Methylphenols	7.40	107	29087	2.645	ng	#	81
27) 2,4-Dimethylphenol	7.91	122	46571	7.614	ng		90
31) Naphthalene	8.29	128	10357514	445.526	ng	#	90
32) Benzoic acid	8.04	122	30758	8.712	ng	#	2
33) 4-Chloroaniline	8.28	127	1663183	167.489	ng	#	33
37) 2-Methylnaphthalene	8.96	142	1299149	88.964	ng		98
45) 1,1'-Biphenyl	9.42	154	499565	20.673	ng		96
48) Acenaphthylene	9.87	152	1019323	36.081	ng		98
49) Dimethylphthalate	9.71	163	61134	3.066	ng		98
51) Acenaphthene	10.04	154	564552	34.401	ng		99
53) 2,4-Dinitrophenol	10.15	184	116	8.486	ng	#	1
55) 4-Nitrophenol	10.11	139	664	9.541	ng	#	73
57) Fluorene	10.55	166	334460	16.967	ng		95
70) Phenanthrene	11.52	178	758401	33.828	ng		98
71) Anthracene	11.58	178	223277	8.634	ng		97
74) Fluoranthene	12.72	202	176201	6.690	ng		97
77) Pyrene	12.95	202	239535	6.962	ng		96

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

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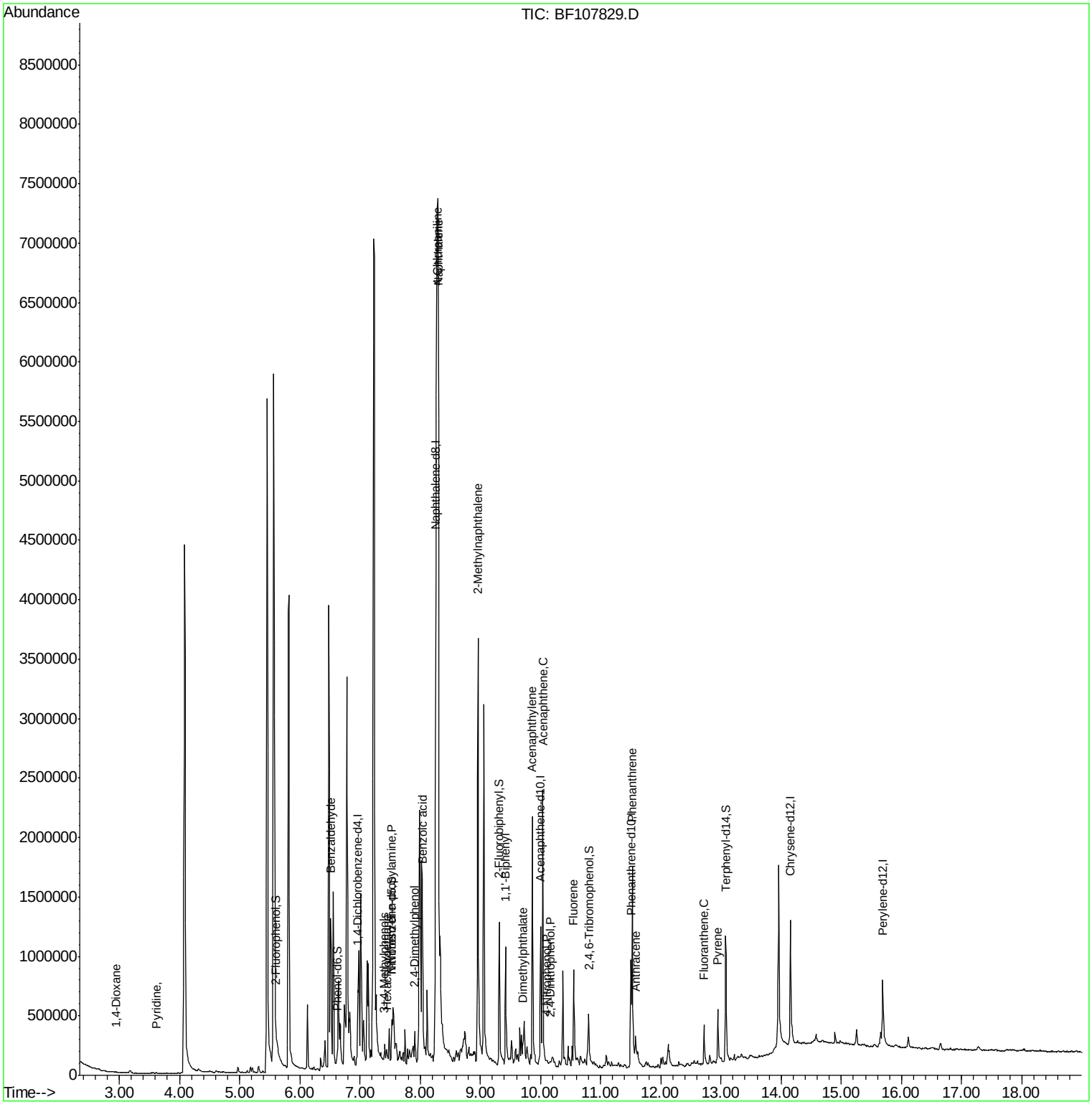
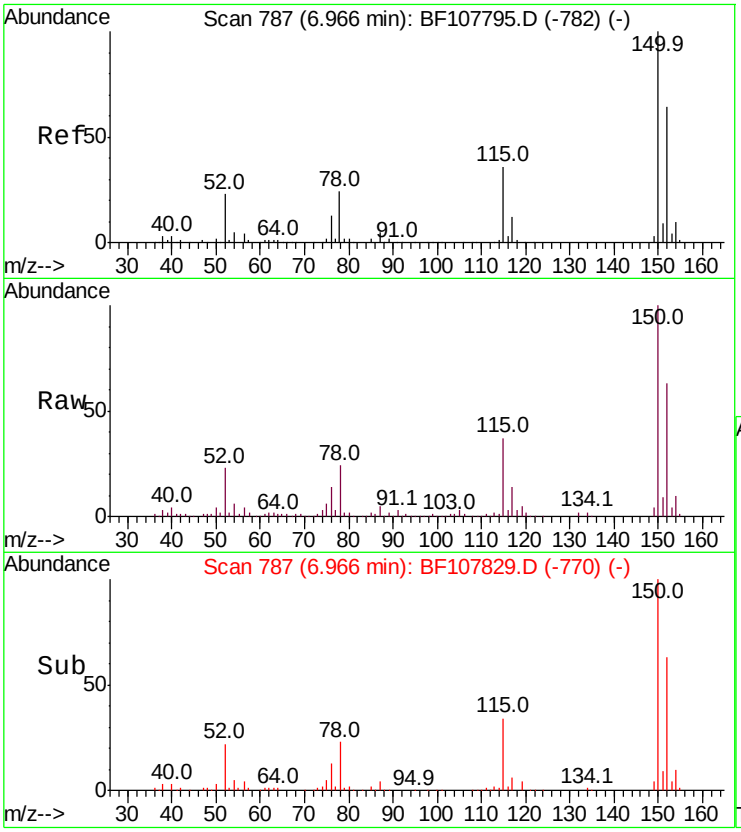


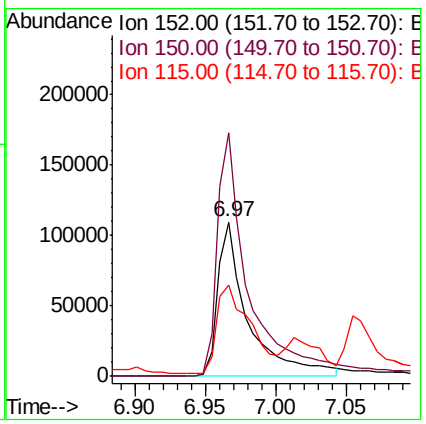


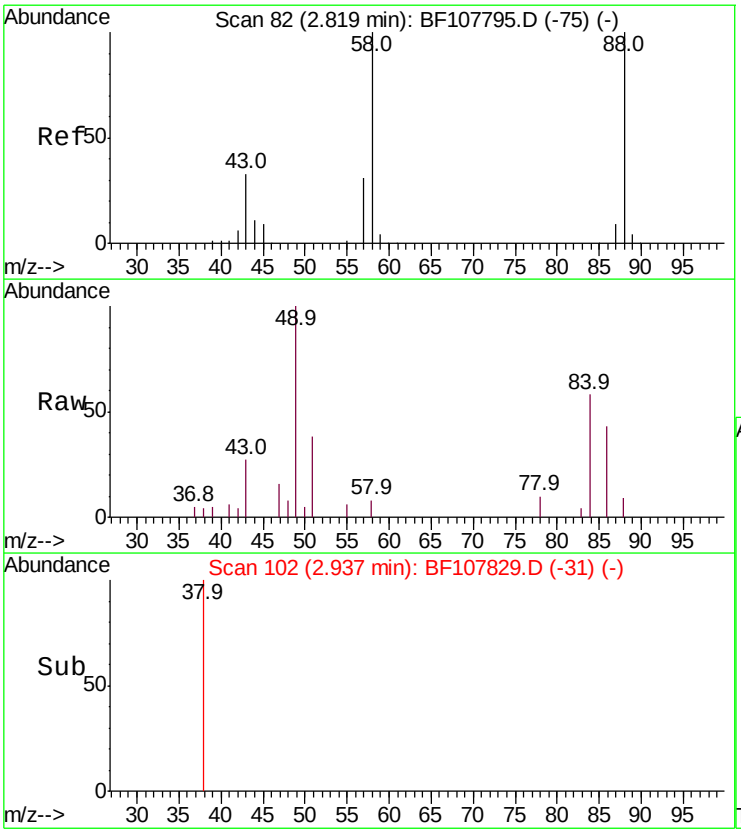
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 164160

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	59.1	50.1	75.1

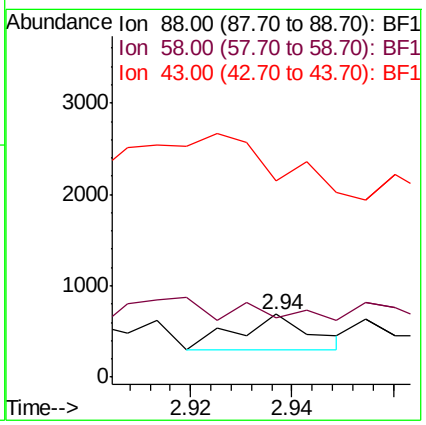


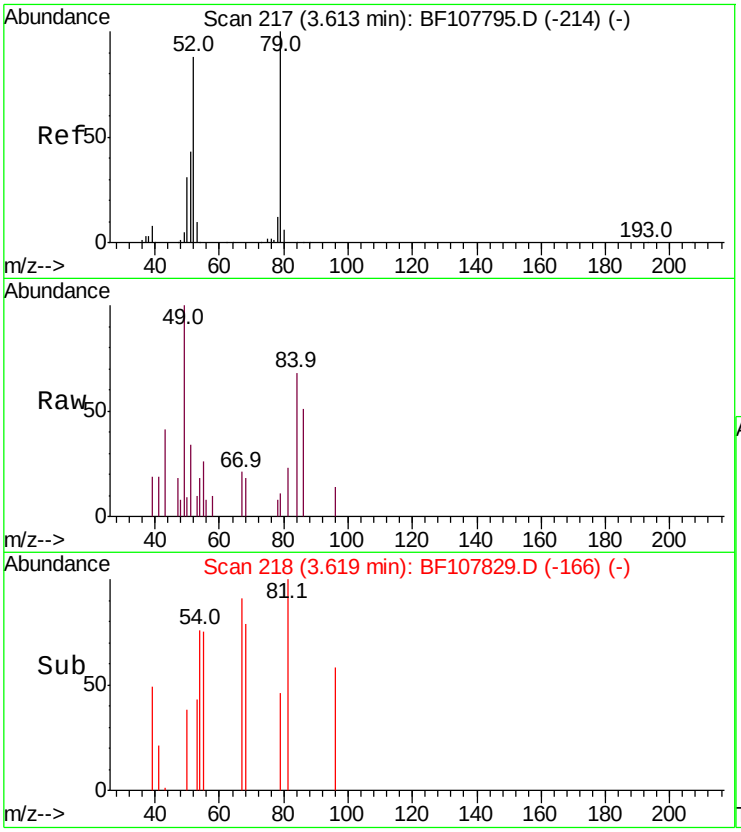


#2
1,4-Dioxane
Concen: 5.867 ng
RT: 2.94 min Scan# 102
Delta R.T. 0.12 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion: 88 Resp: 378

Ion	Ratio	Lower	Upper
88	100		
58	72.0	62.6	93.8
43	0.0	24.6	37.0#



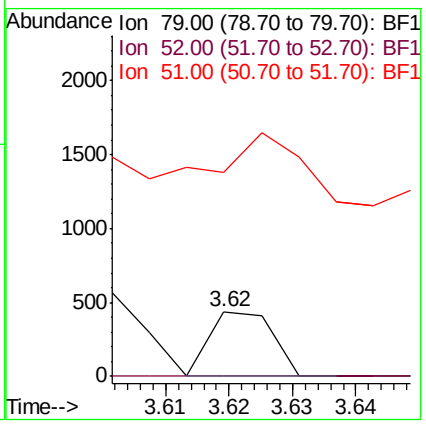


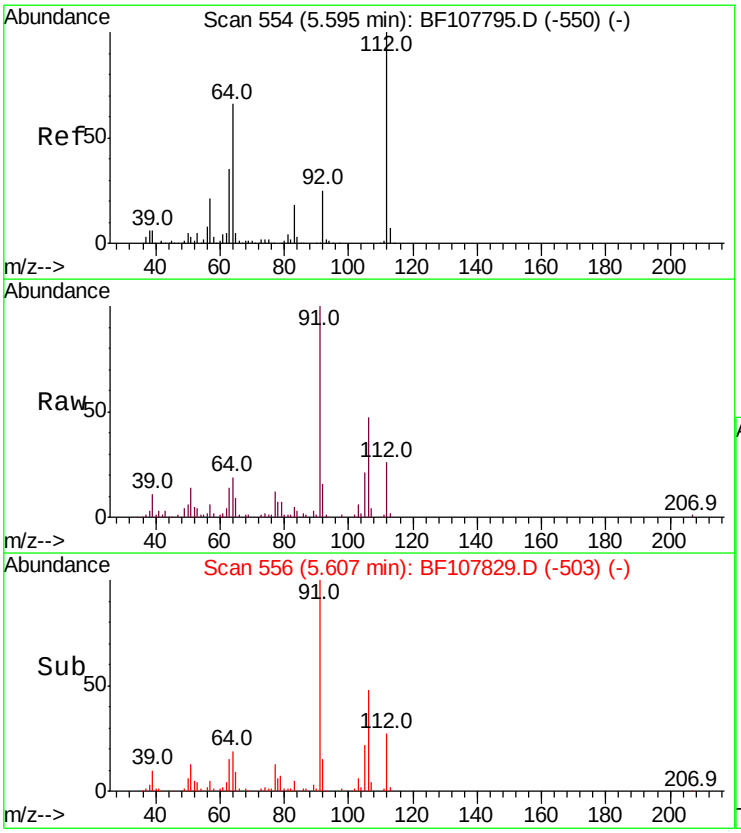
#3
Pyridine
Concen: 6.277 ng
RT: 3.62 min Scan# 218
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 79 Resp: 300

Ion	Ratio	Lower	Upper
79	100		
52	0.0	59.8	89.6#
51	313.2	29.8	44.8#

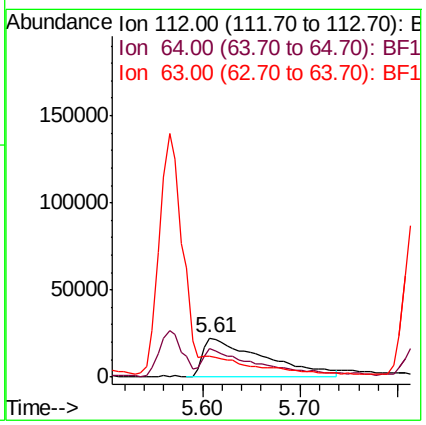


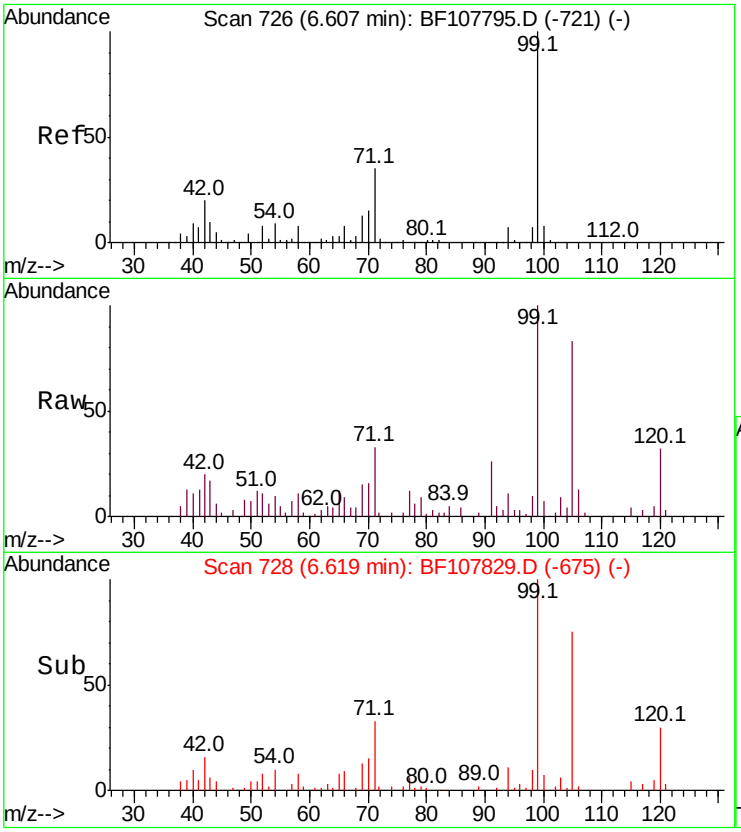


#5
2-Fluorophenol
Concen: 10.144 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:112 Resp: 97978

Ion	Ratio	Lower	Upper
112	100		
64	72.0	47.9	71.9#
63	55.1	23.7	35.5#



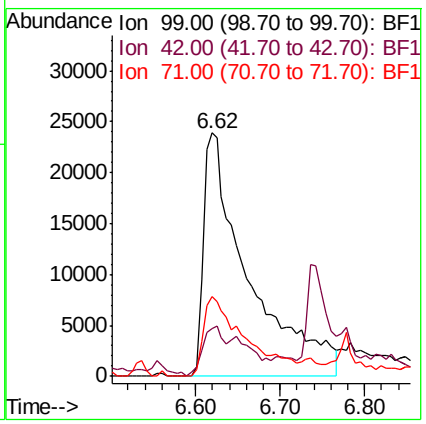


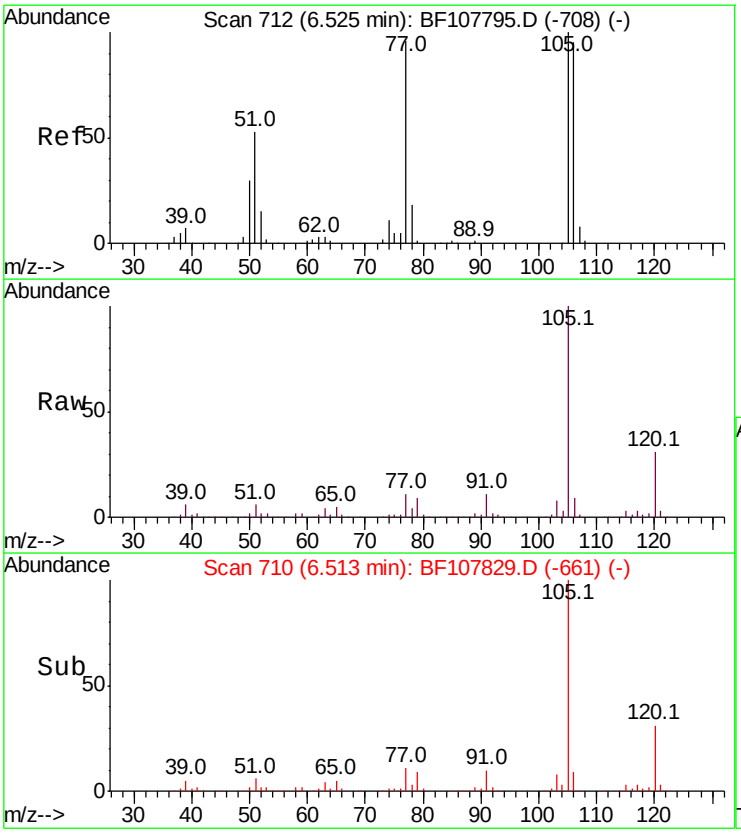
#7
Phenol-d6
Concen: 6.912 ng
RT: 6.62 min Scan# 728
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 87991

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	32.8	25.4	38.0

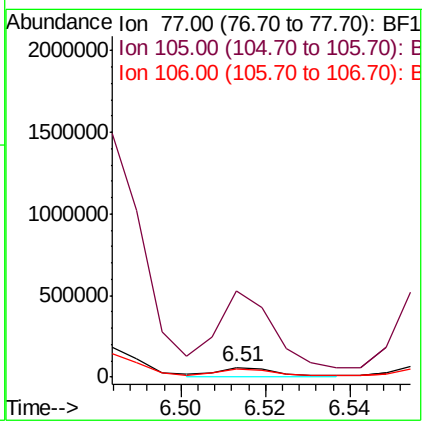


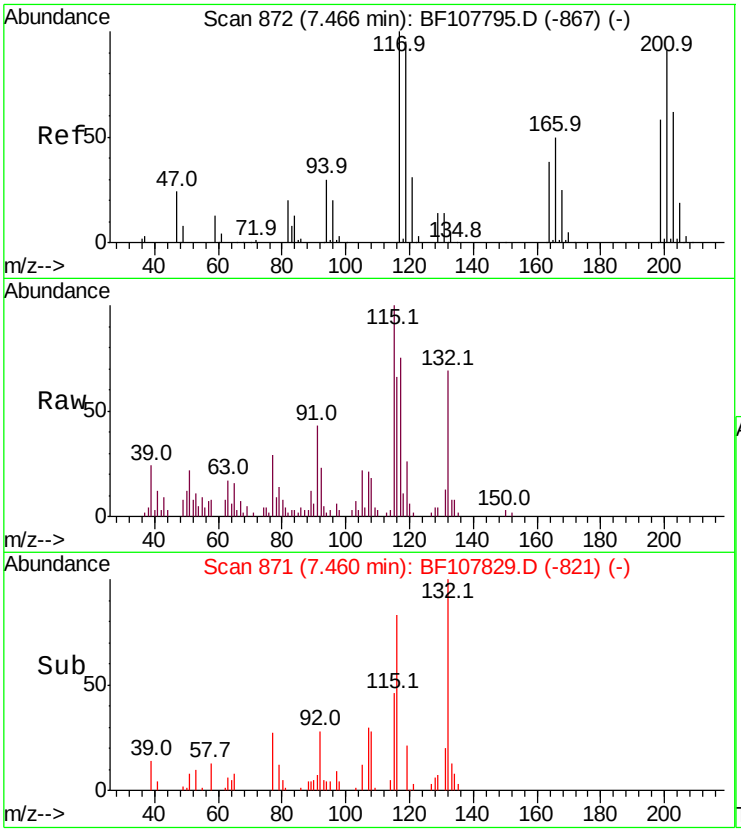


#9
Benzaldehyde
Concen: 6.059 ng
RT: 6.51 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion: 77 Resp: 46534

Ion	Ratio	Lower	Upper
77	100		
105	911.5	81.1	121.1#
106	84.6	74.5	114.5



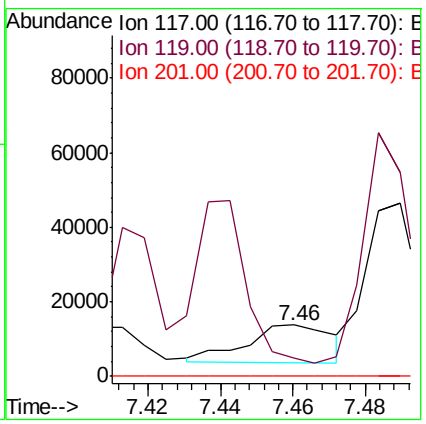


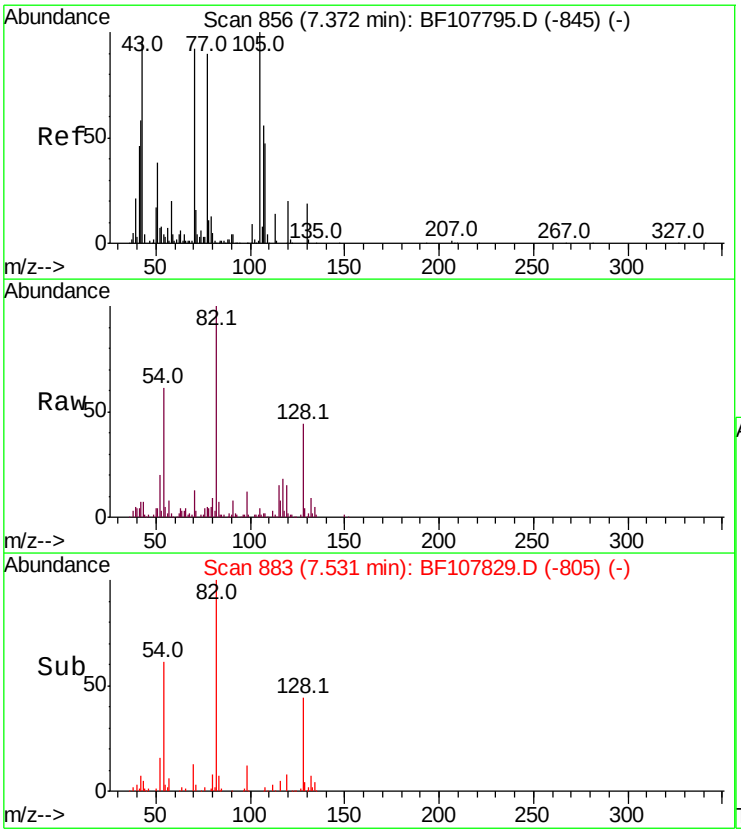
#18
Hexachloroethane
Concen: 3.262 ng
RT: 7.46 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 16608

Ion	Ratio	Lower	Upper
117	100		
119	34.7	75.8	113.8#
201	0.0	75.7	113.5#

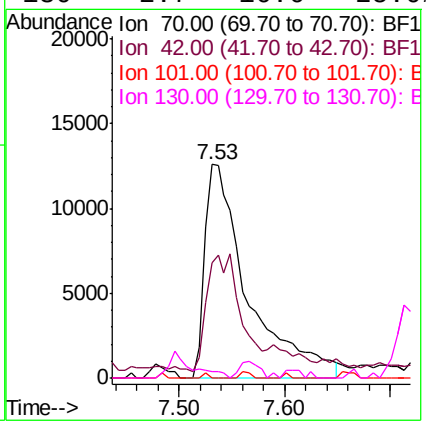


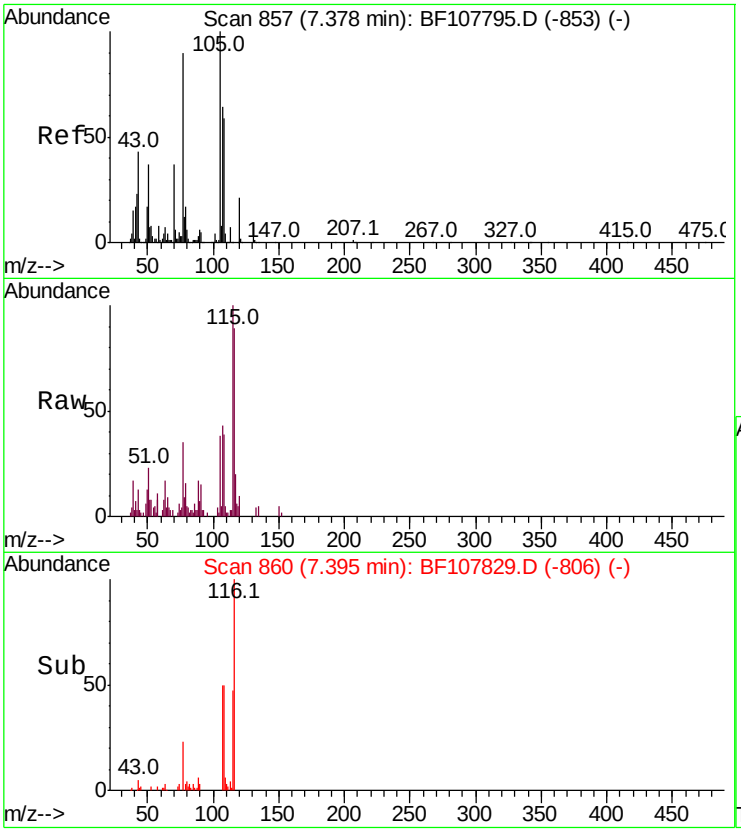


#19
n-Nitroso-di-n-propylamine
Concen: 4.454 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion: 70 Resp: 35966

Ion	Ratio	Lower	Upper
70	100		
42	54.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.7	16.6	25.0#



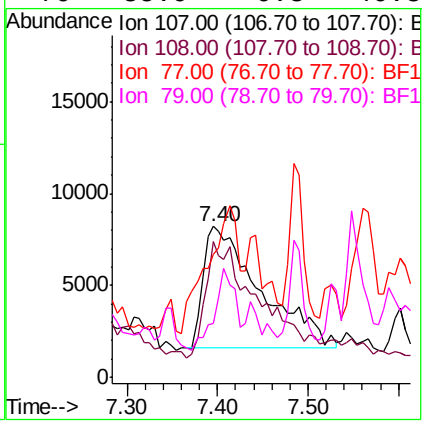


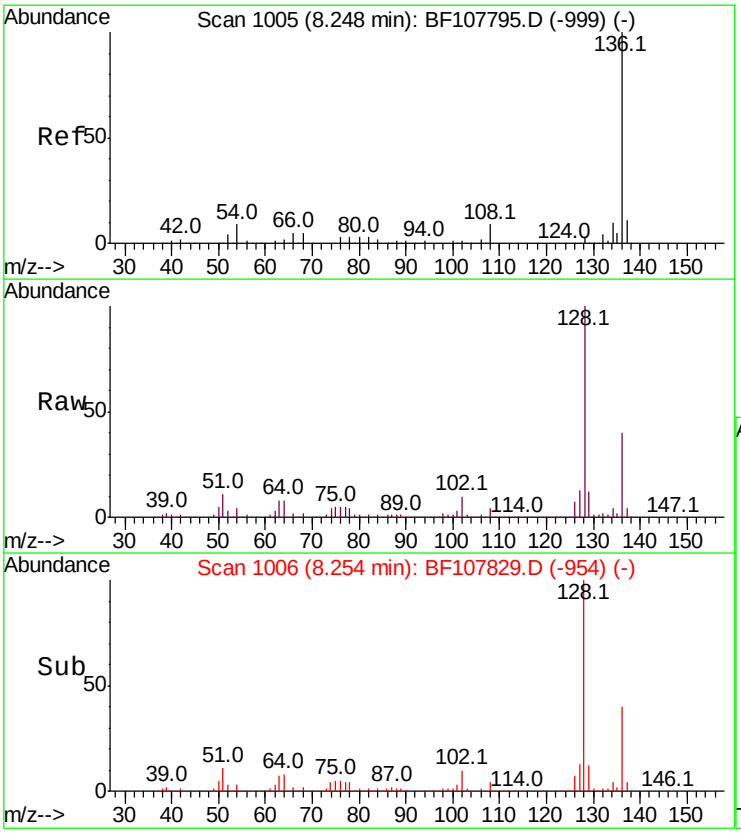
#20
3+4-Methylphenols
Concen: 2.645 ng
RT: 7.40 min Scan# 860
Delta R.T. 0.02 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:107 Resp: 29087

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.2	108.2
77	81.6	26.7	66.7#
79	35.9	6.3	46.3

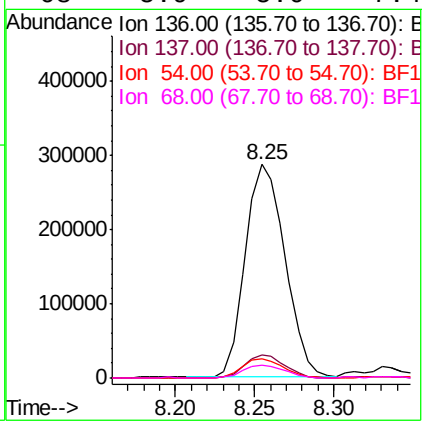


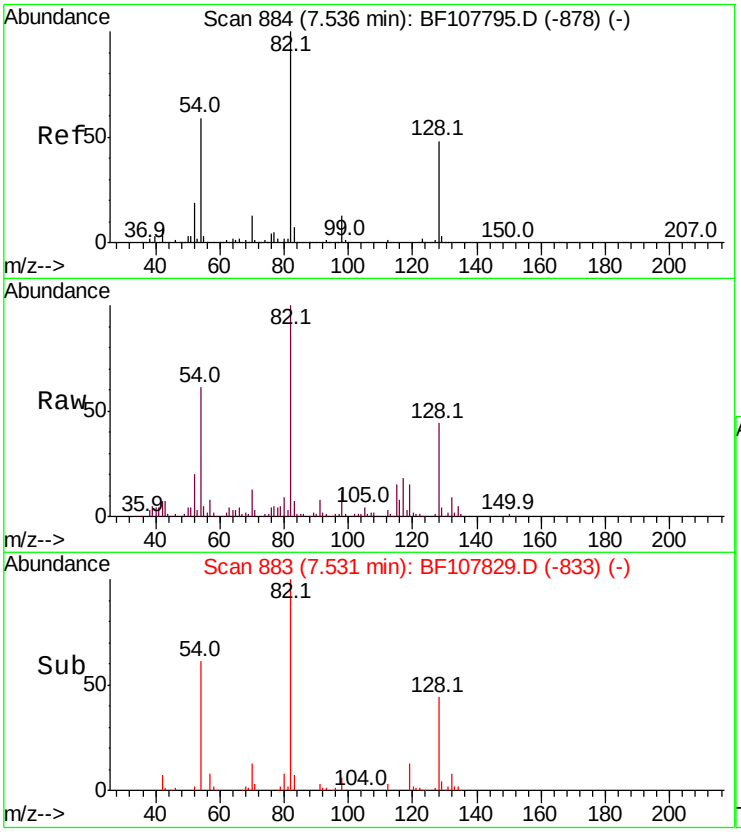


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:136 Resp: 500123

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.0	6.6	9.8
68	5.9	5.0	7.4



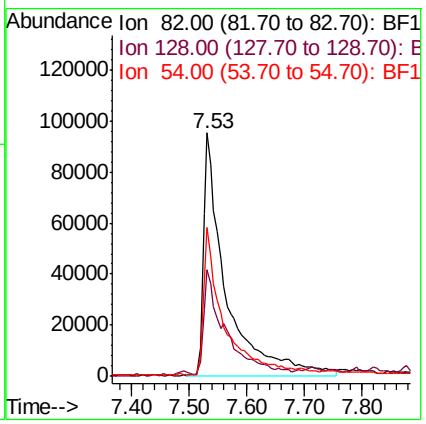


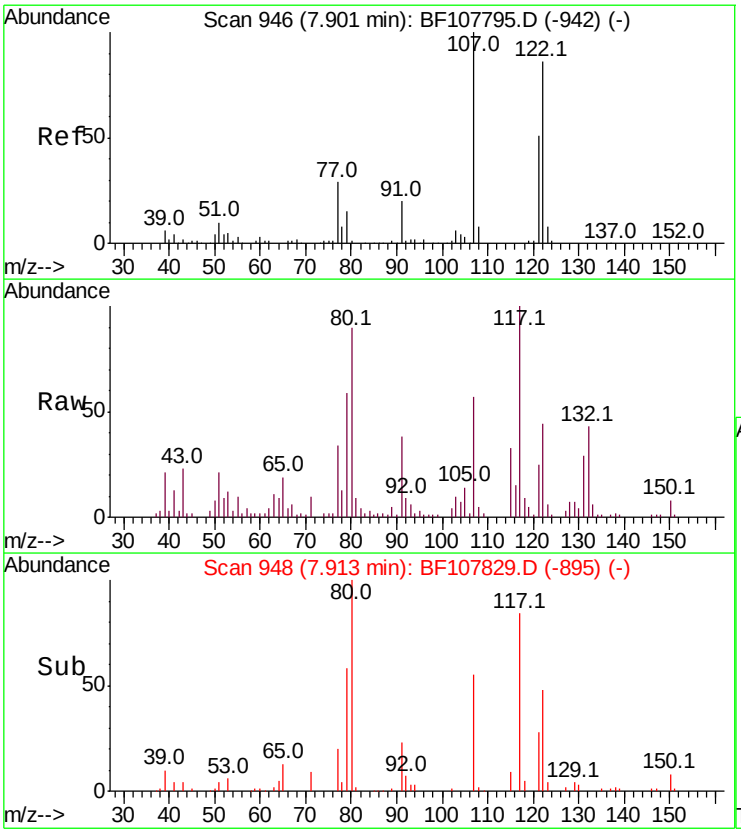
#23
Nitrobenzene-d5
Concen: 29.701 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 257842

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	61.0	41.4	62.2

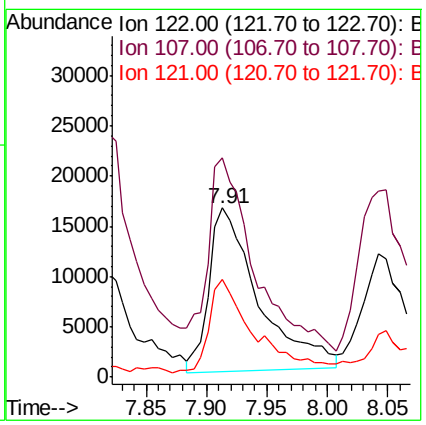


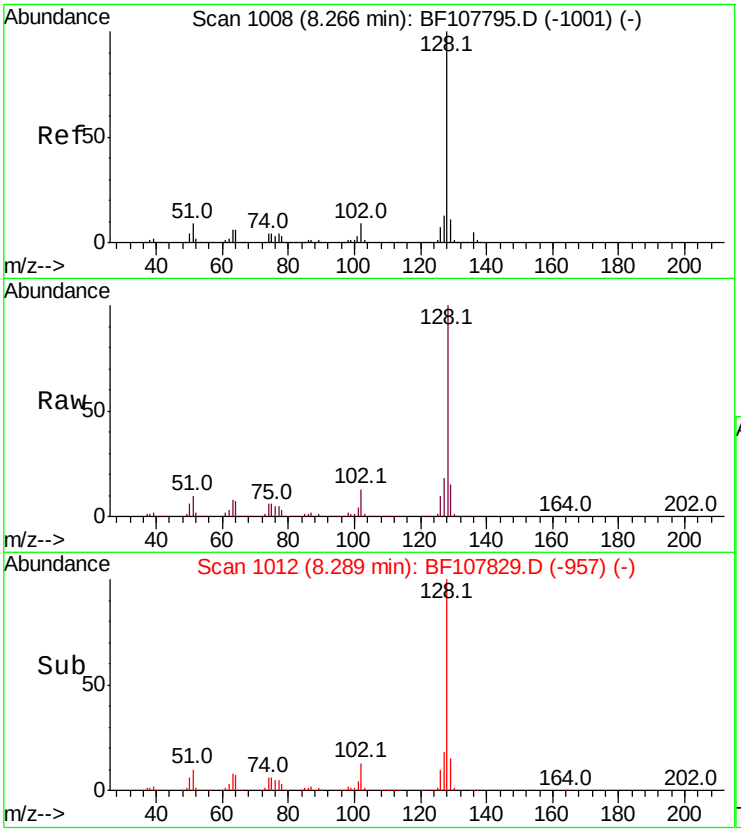


#27
2,4-Dimethylphenol
Concen: 7.614 ng
RT: 7.91 min Scan# 948
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:122 Resp: 46571

Ion	Ratio	Lower	Upper
122	100		
107	129.4	91.2	136.8
121	57.8	47.2	70.8



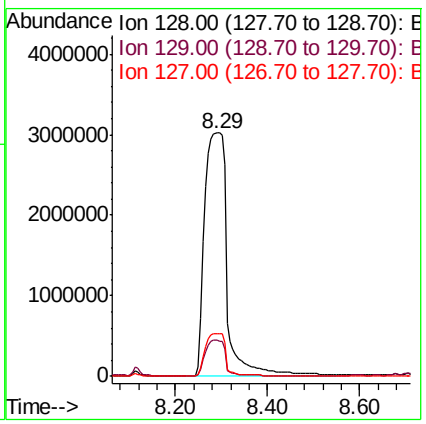


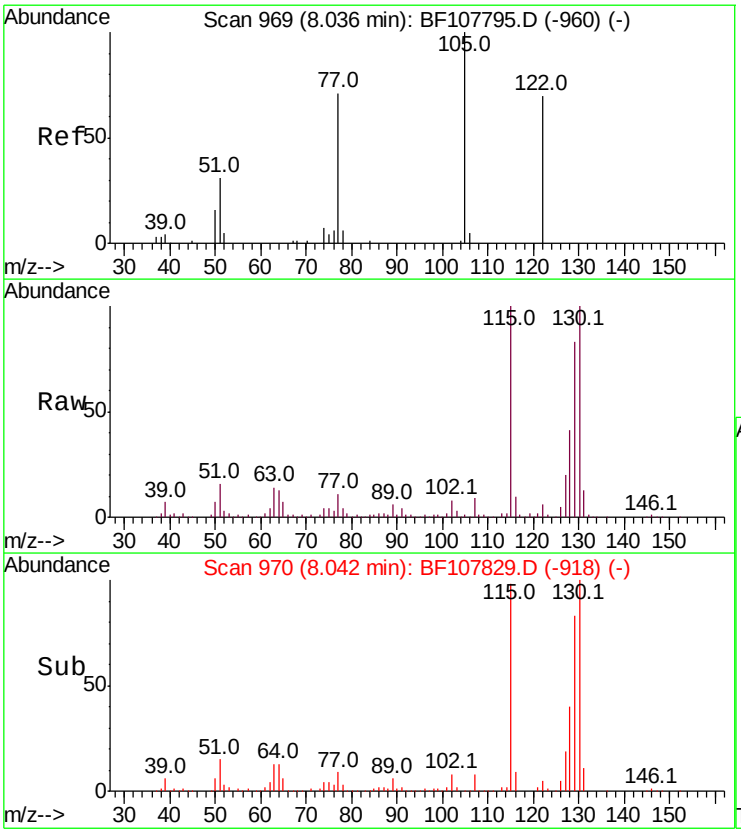
#31
Naphthalene
Concen: 445.526 ng
RT: 8.29 min Scan# 1012
Delta R.T. 0.02 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp:10357514

Ion	Ratio	Lower	Upper
128	100		
129	15.0	8.8	13.2#
127	17.7	10.9	16.3#

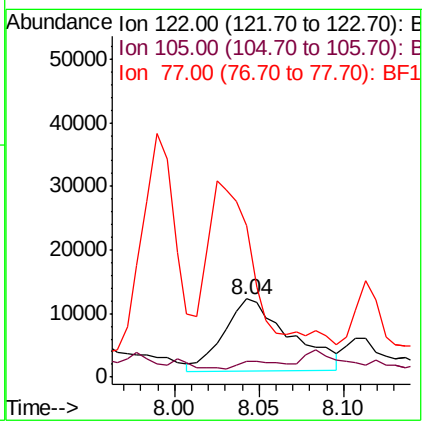


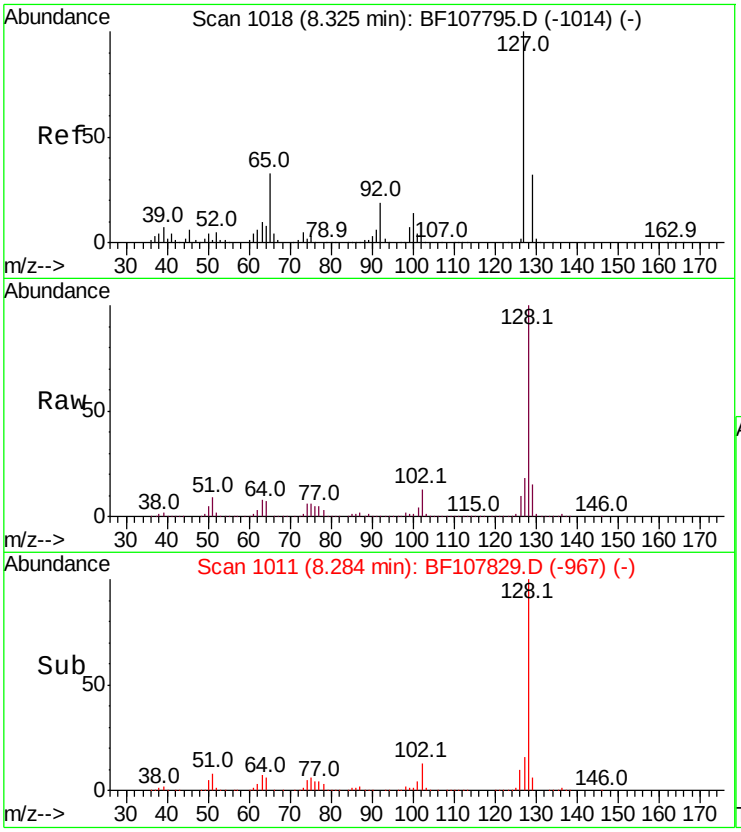


#32
Benzoic acid
Concen: 8.712 ng
RT: 8.04 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:122 Resp: 30758

Ion	Ratio	Lower	Upper
122	100		
105	20.7	101.1	141.1#
77	193.8	70.7	110.7#



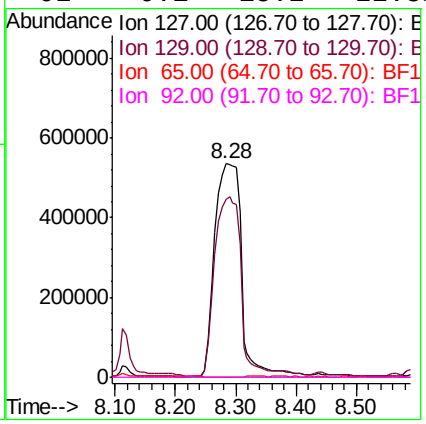


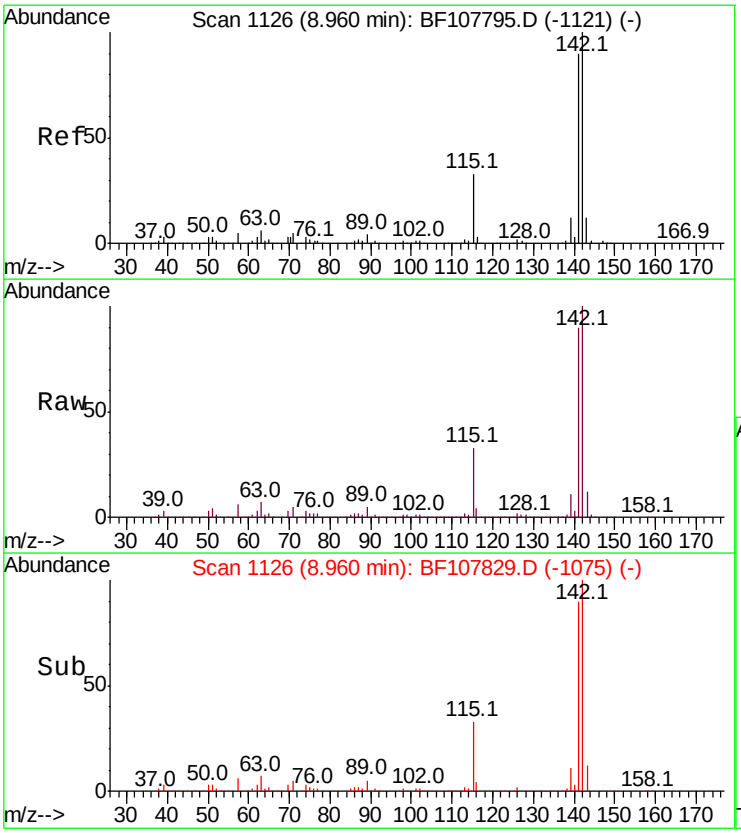
#33
4-Chloroaniline
Concen: 167.489 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.04 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 1663183

Ion	Ratio	Lower	Upper
127	100		
129	83.2	25.9	38.9#
65	0.0	25.0	37.4#
92	0.1	15.2	22.8#

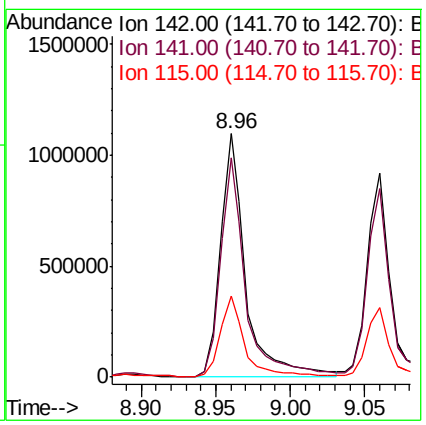


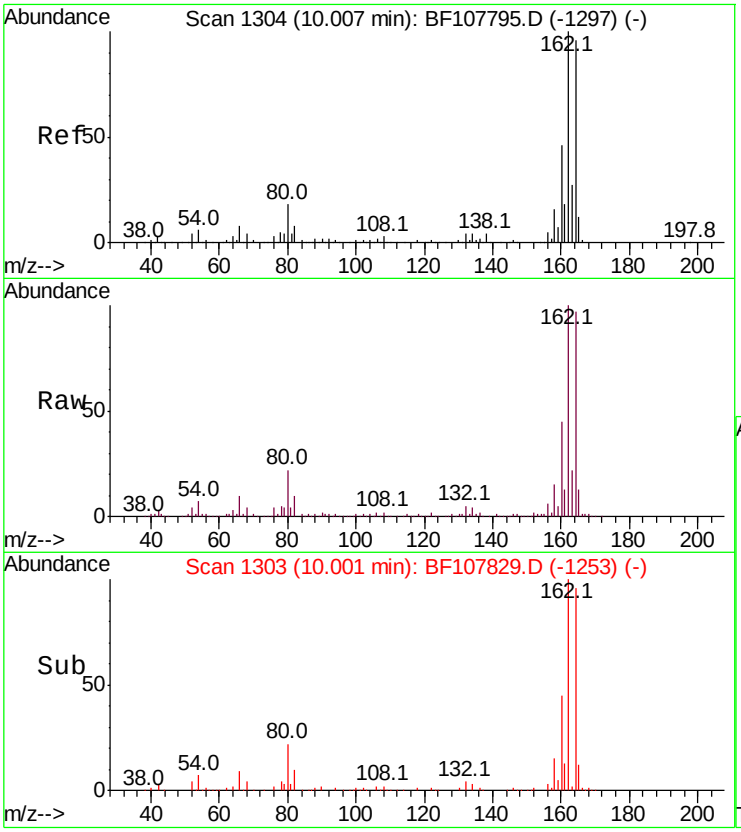


#37
2-Methylnaphthalene
Concen: 88.964 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:142 Resp: 1299149

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	33.2	26.1	39.1



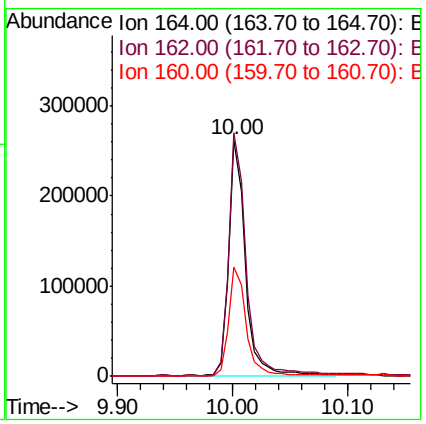


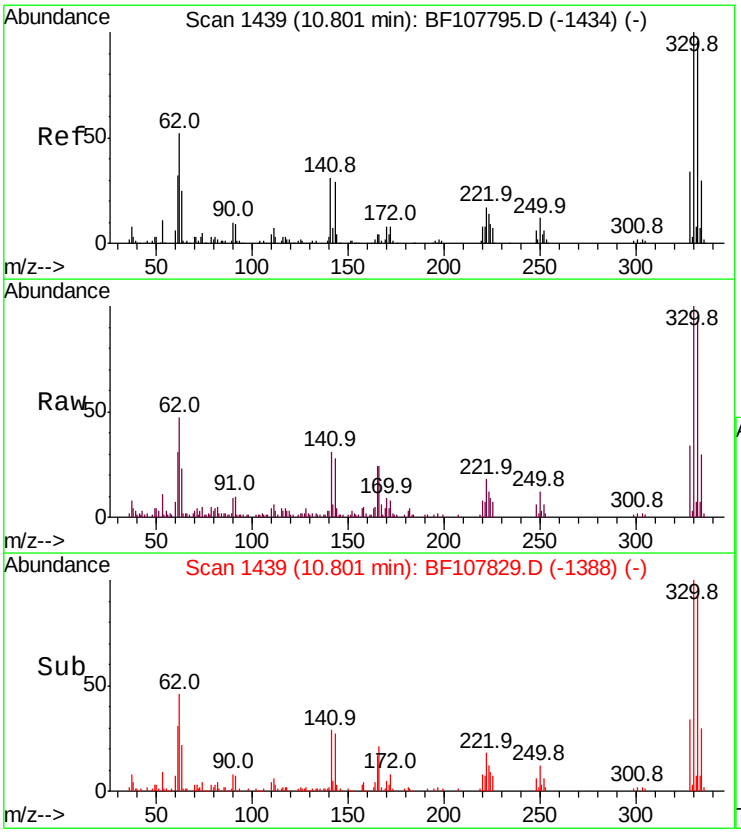
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 265535

Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	46.5	38.3	57.5

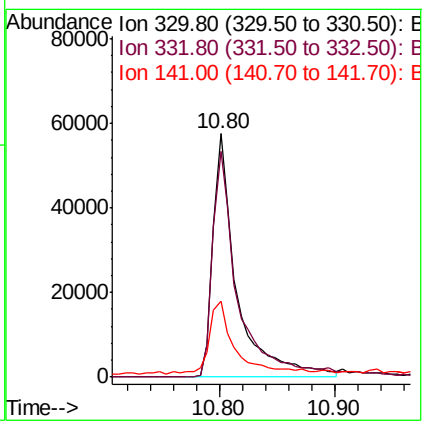


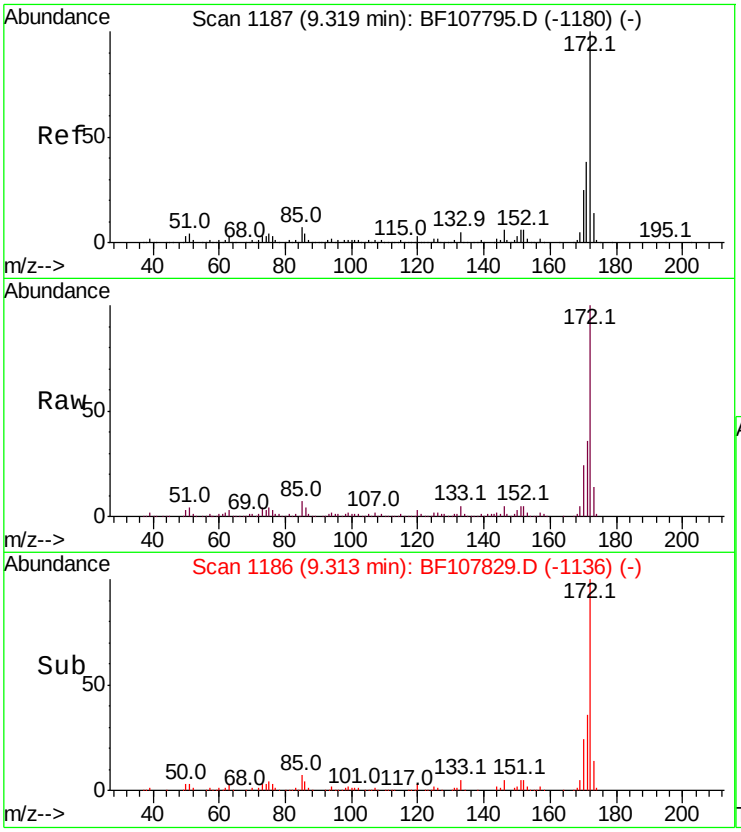


#41
2,4,6-Tribromophenol
Concen: 22.952 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:330 Resp: 82812

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	31.7	29.9	44.9

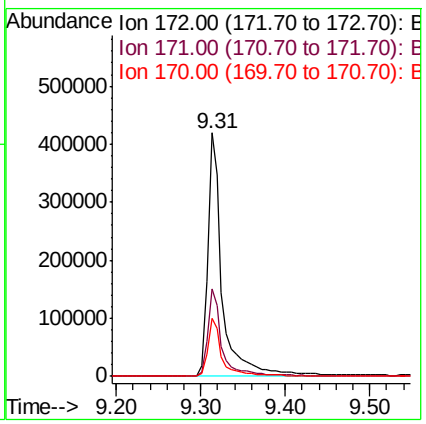




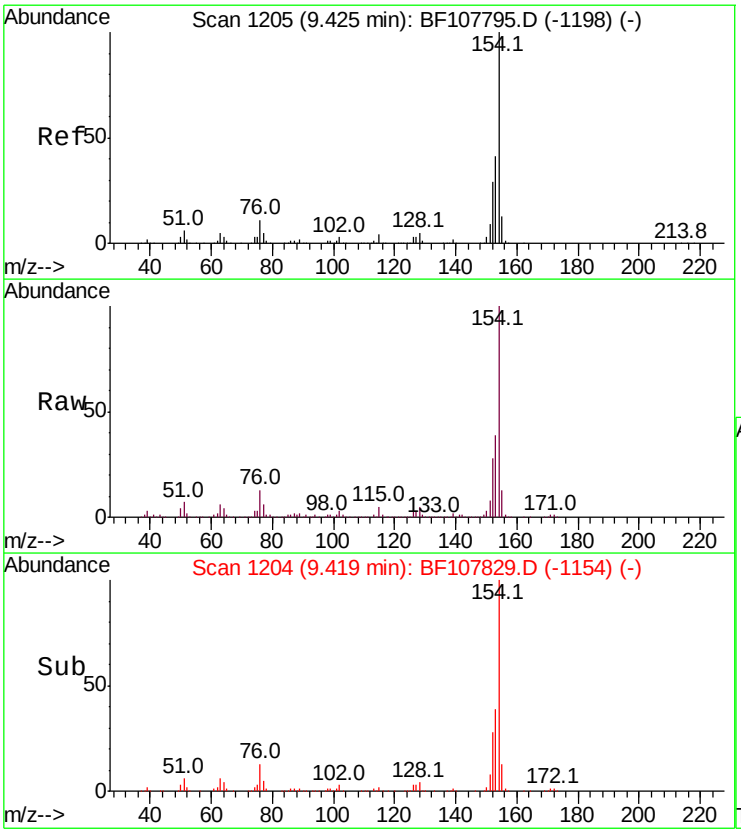
#44
2-Fluorobiphenyl
Concen: 26.734 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:172 Resp: 509419

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4



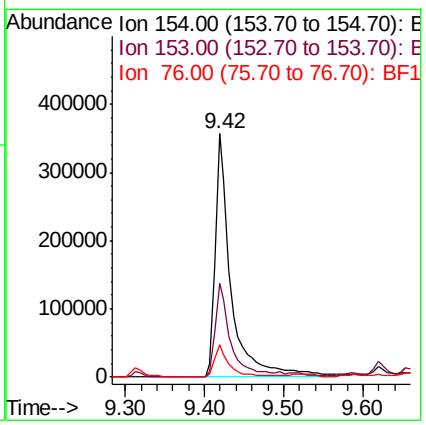
Instrument :
BNA_F
ClientSampleId :

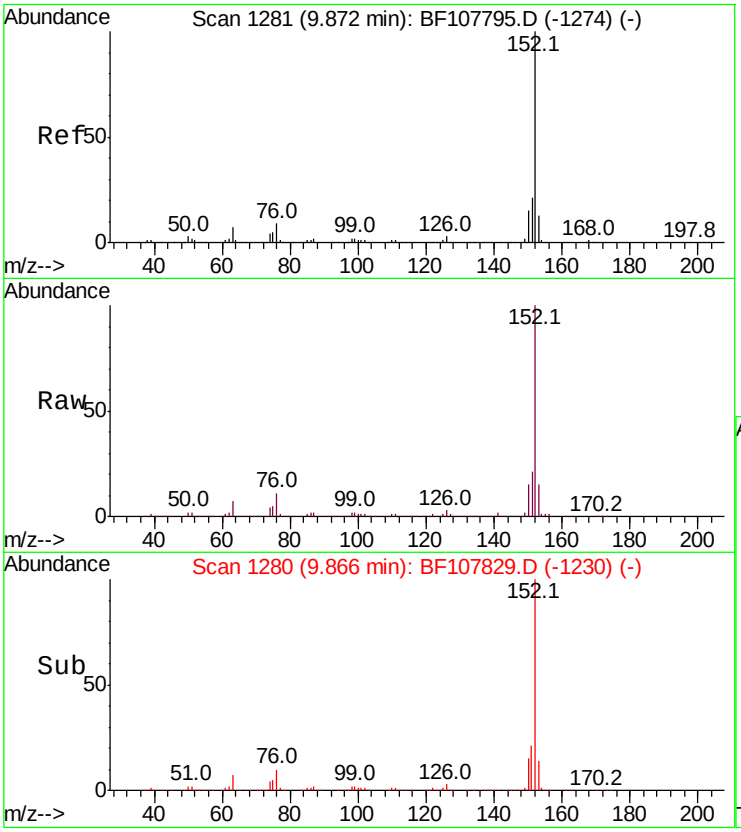


#45
1,1'-Biphenyl
Concen: 20.673 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:154 Resp: 499565

Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	13.1	0.0	34.0



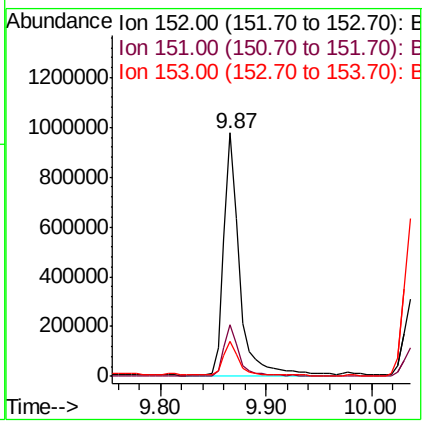


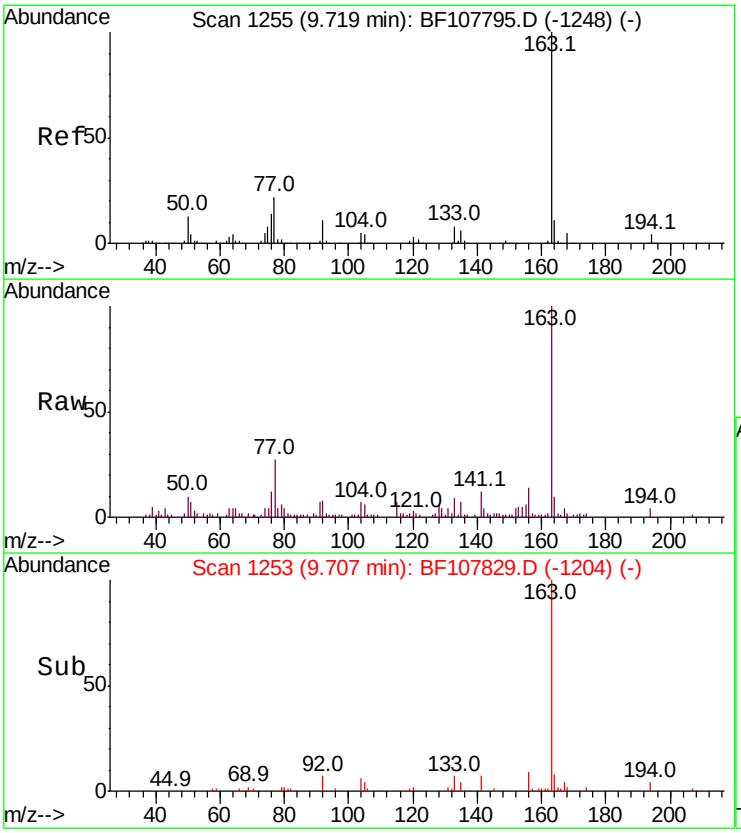
#48
Acenaphthylene
Concen: 36.081 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 1019323

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	14.5	10.7	16.1

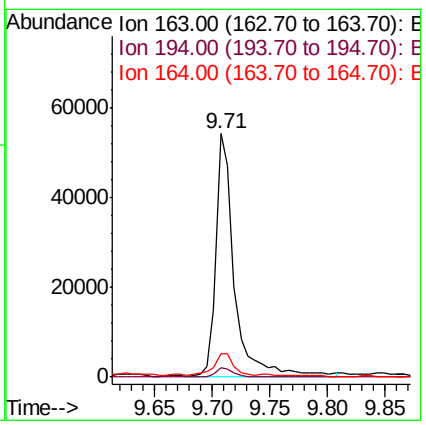


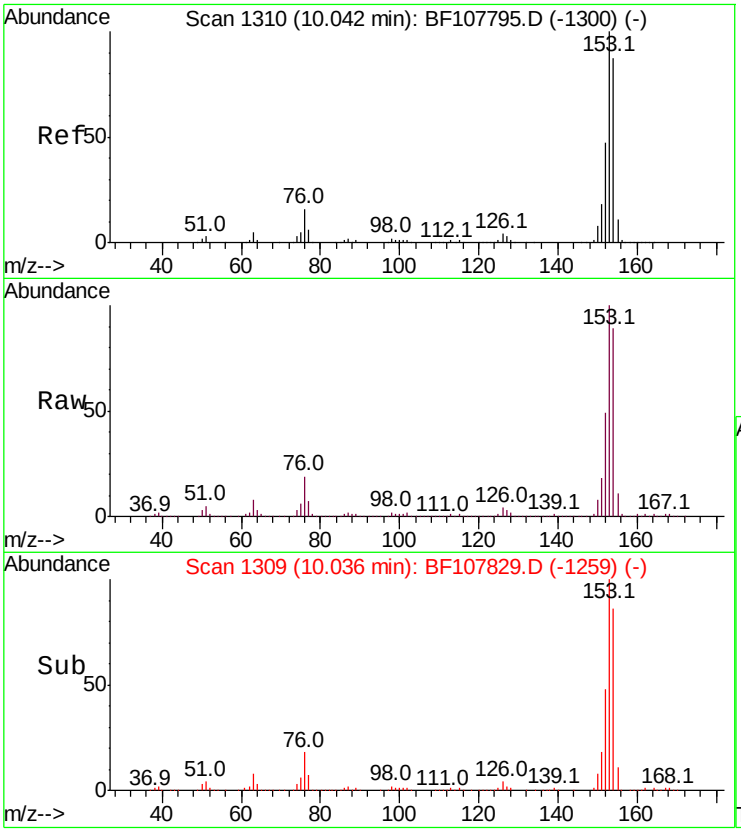


#49
Dimethylphthalate
Concen: 3.066 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:163 Resp: 61134

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.6	8.2	12.2



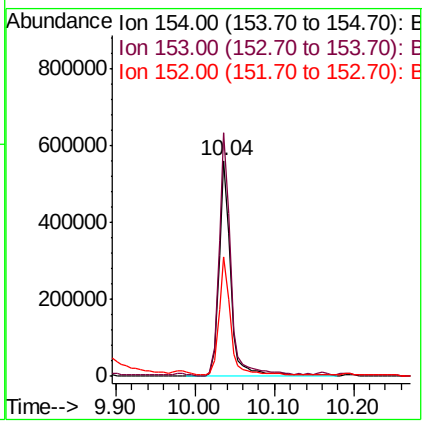


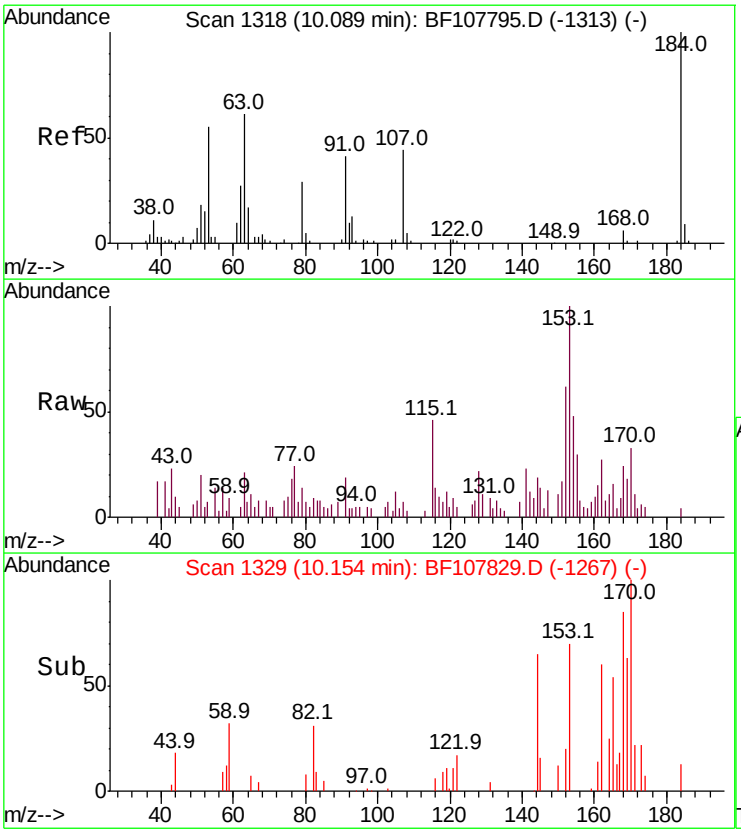
#51
Acenaphthene
Concen: 34.401 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 564552

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	55.2	43.8	65.8

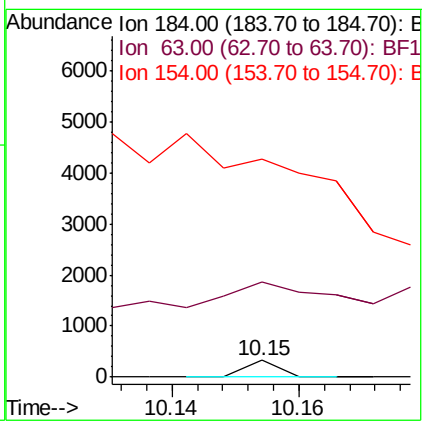


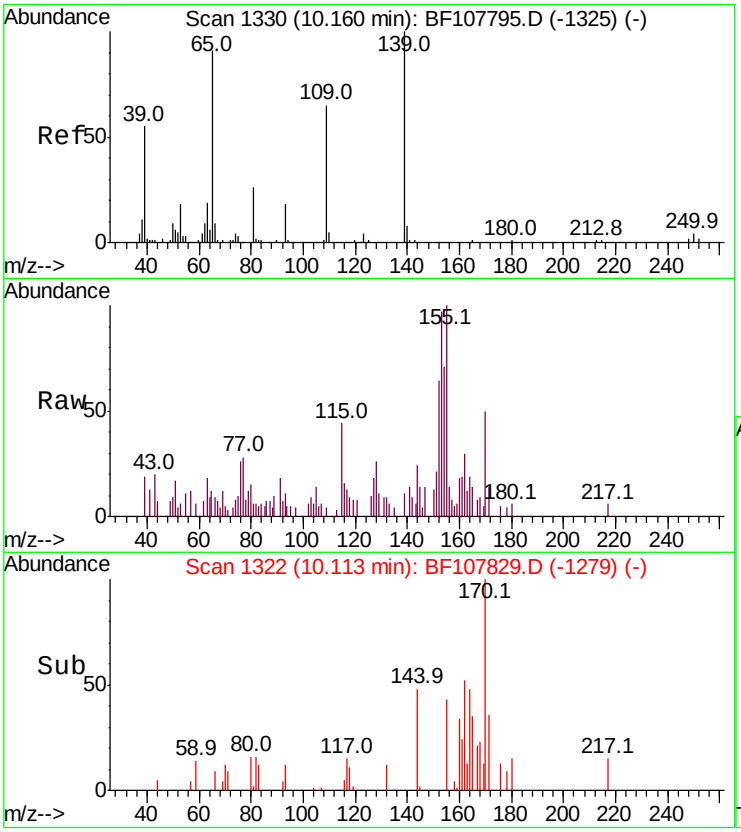


#53
2,4-Dinitrophenol
Concen: 8.486 ng
RT: 10.15 min Scan# 1329
Delta R.T. 0.07 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:184 Resp: 116

Ion	Ratio	Lower	Upper
184	100		
63	567.3	54.2	81.2#
154	1296.1	184.0	276.0#



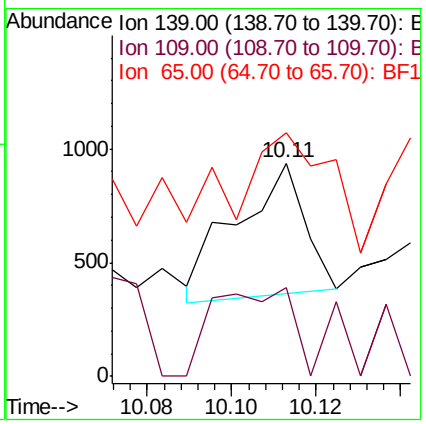


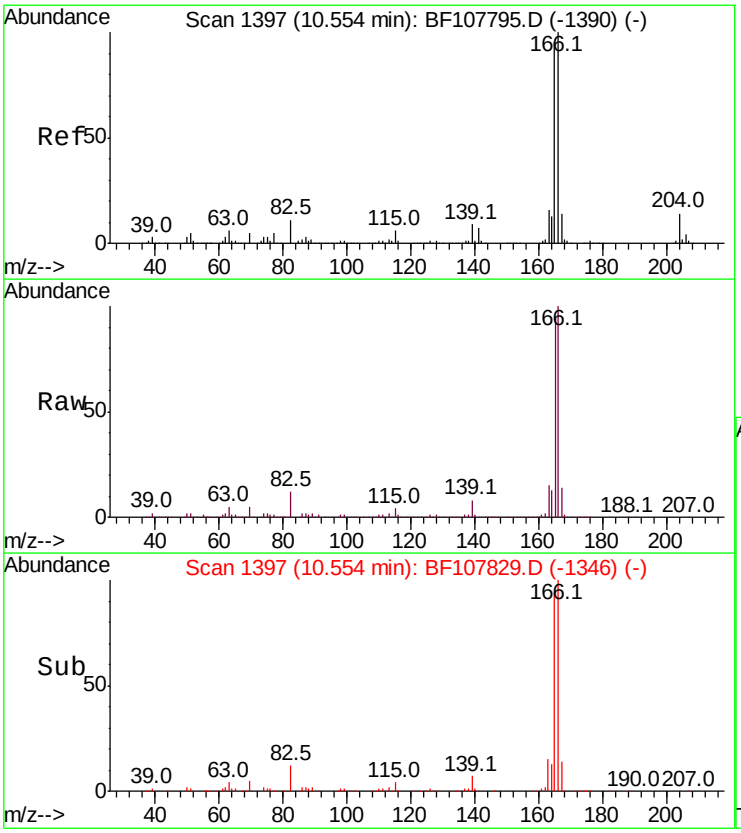
#55
4-Nitrophenol
Concen: 9.541 ng
RT: 10.11 min Scan# 1322
Delta R.T. -0.05 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 664

Ion	Ratio	Lower	Upper
139	100		
109	41.6	48.4	88.4#
65	114.1	72.6	112.6#

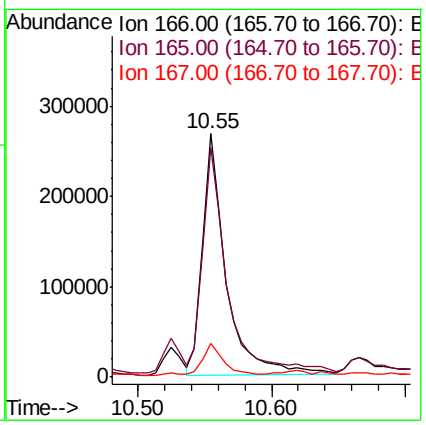


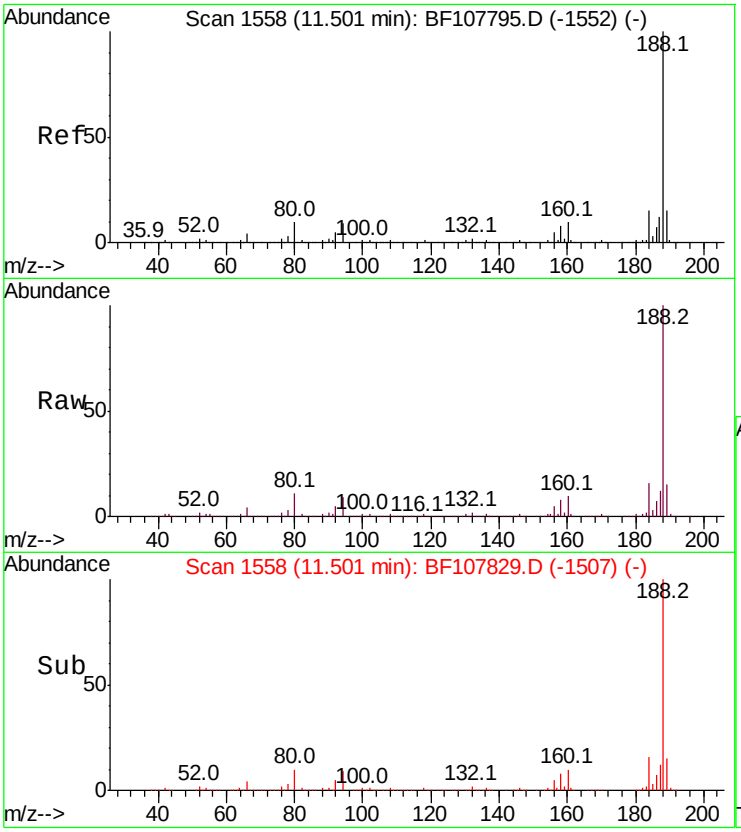


#57
Fluorene
Concen: 16.967 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:166 Resp: 334460

Ion	Ratio	Lower	Upper
166	100		
165	94.3	79.8	119.8
167	14.0	10.6	16.0



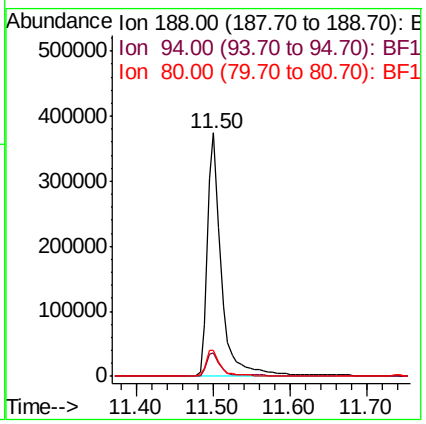


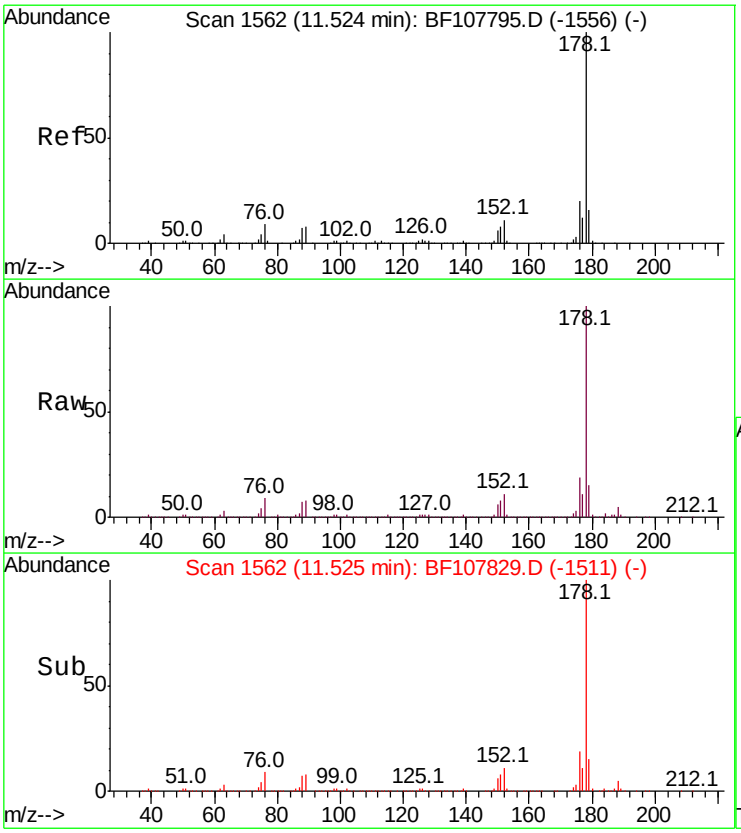
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 472151

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.7	9.2	13.8

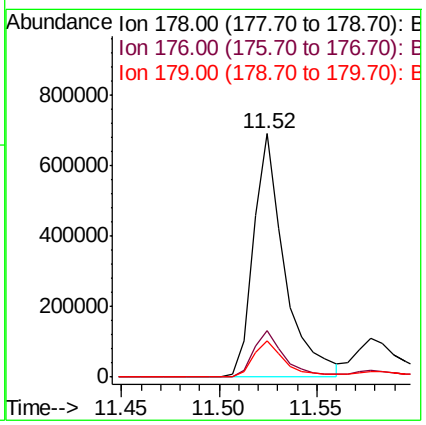


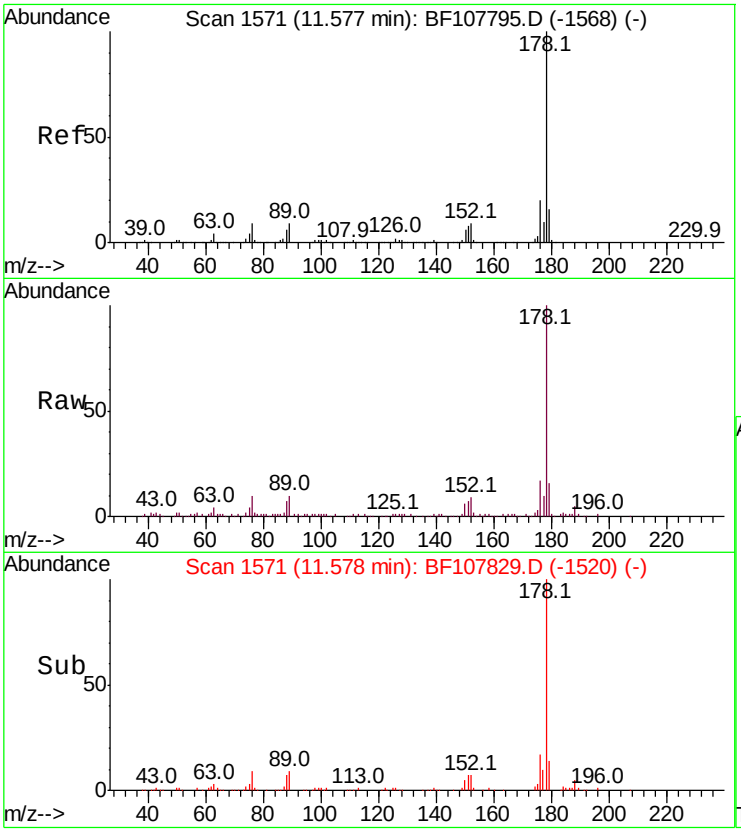


#70
Phenanthrene
Concen: 33.828 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:178 Resp: 758401

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6



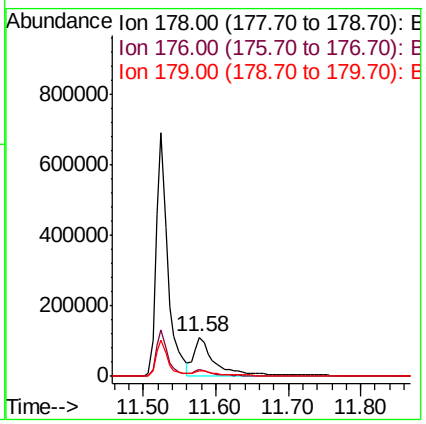


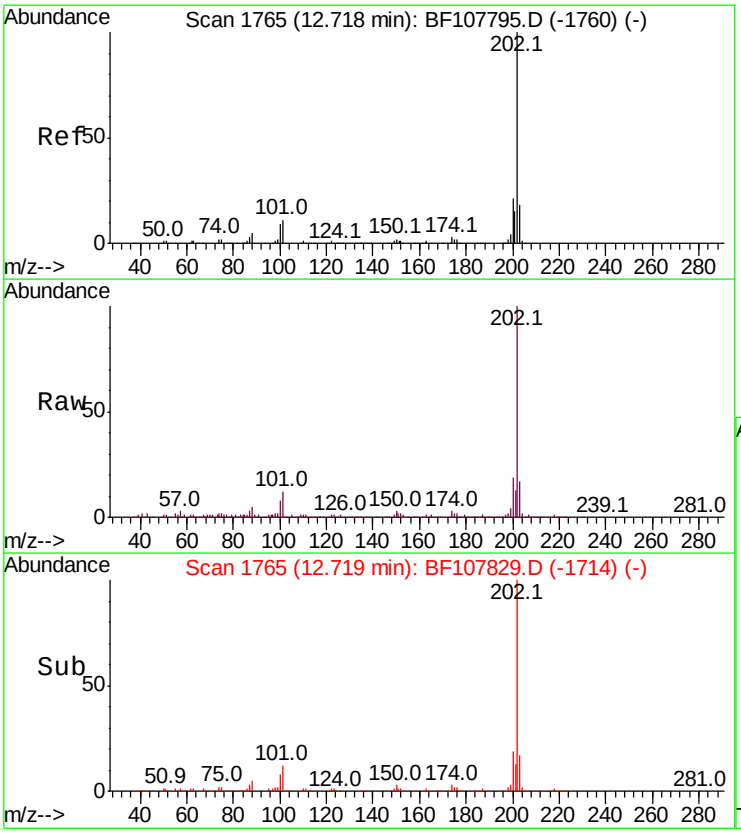
#71
Anthracene
Concen: 8.634 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 223277

Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.6	12.6	19.0

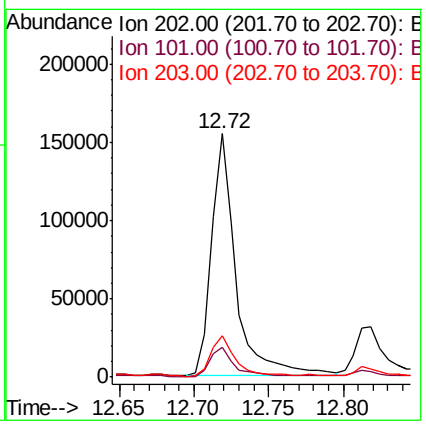


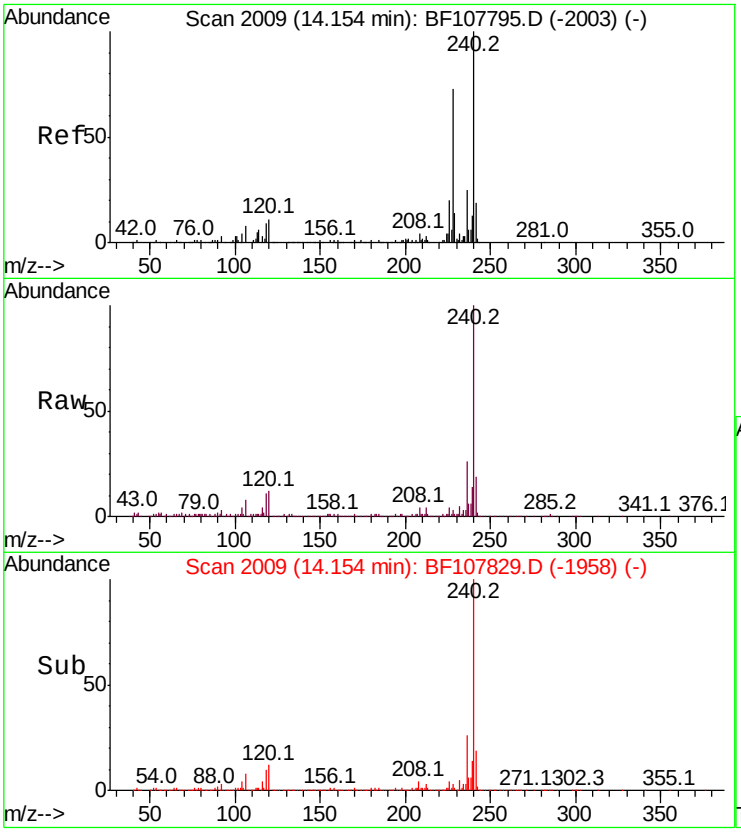


#74
Fluoranthene
Concen: 6.690 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:202 Resp: 176201

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.0	0.0	38.1



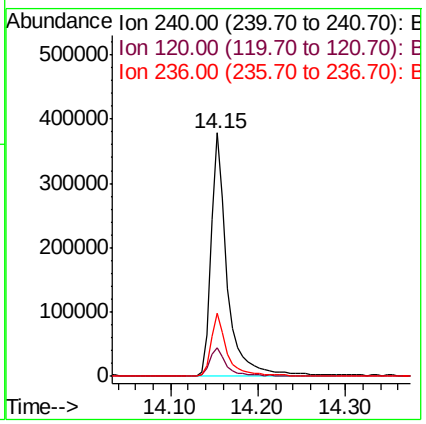


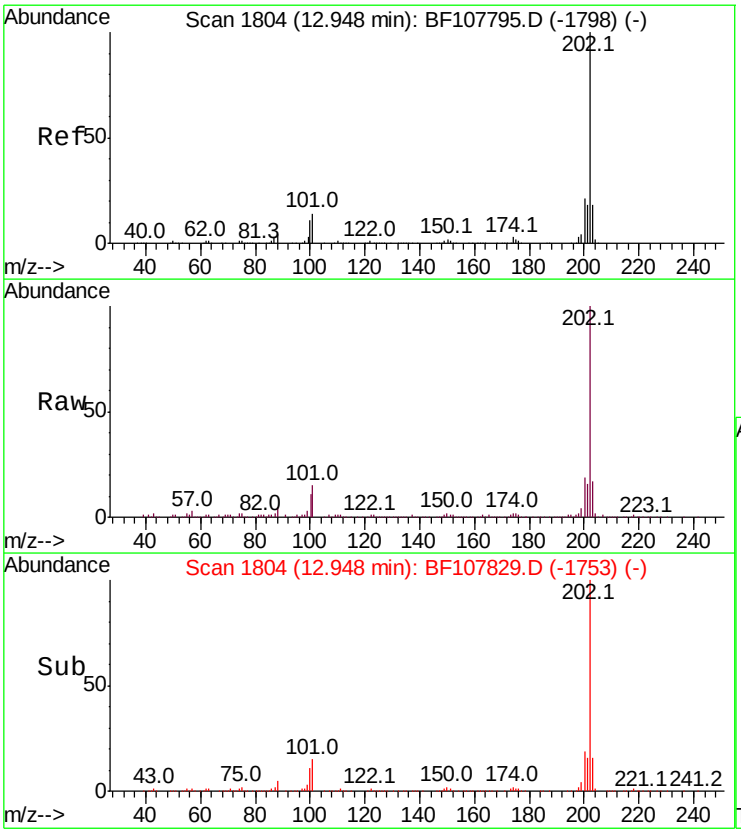
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 477787

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	25.9	20.7	31.1

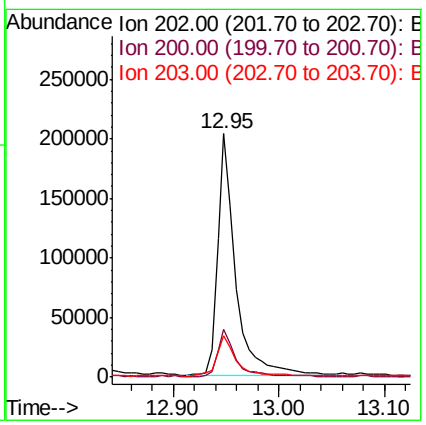


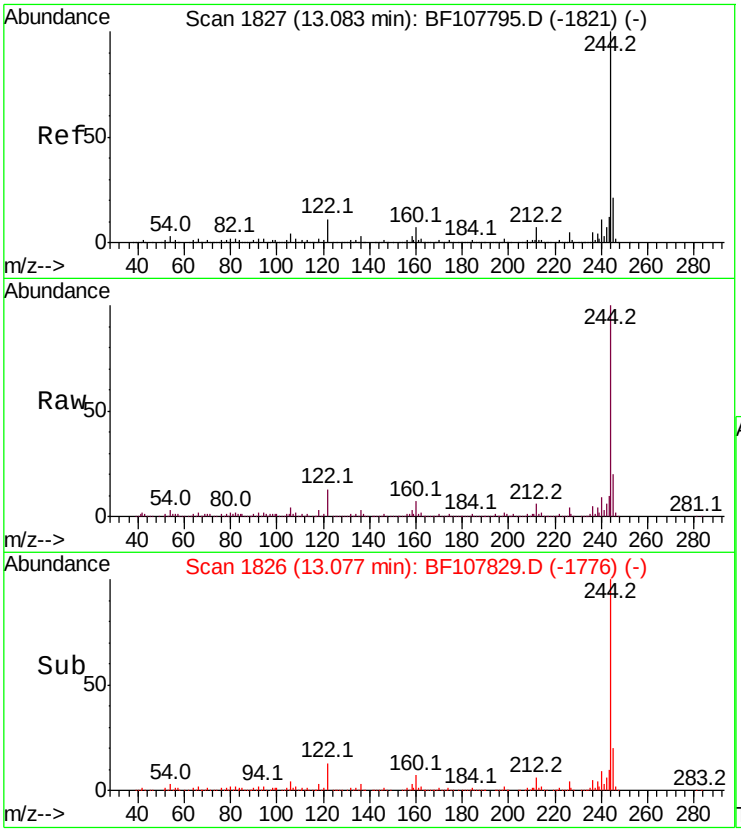


#77
Pyrene
Concen: 6.962 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:202 Resp: 239535

Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	17.0	14.3	21.5



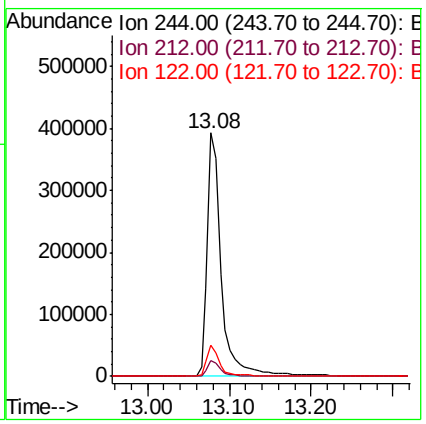


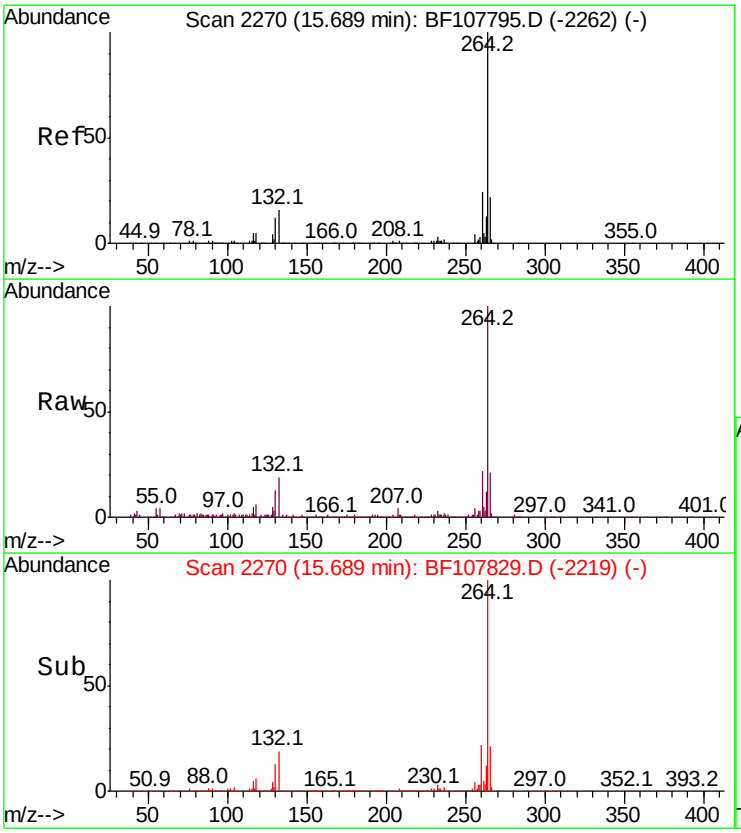
#78
Terphenyl-d14
Concen: 21.304 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 469405

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.7	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107829.D
Acq: 31 Jul 2018 4:51

Tgt Ion:264 Resp: 388750

Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.8	17.5	26.3