Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107831.D
Acq On : 31 Jul 2018 5:45
Operator : JU/SJ
Sample : J4184-03RE
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jul 31 06:43:37 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	6.96	152	193703	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	855449	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	319324	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	540917	20.00	ng		0.00
75) Chrysene-d12	14.15	240	568110	20.00	ng		0.00
86) Perylene-d12	15.68	264	463498	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	10606	0.93	ng		0.05
7) Phenol-d6	6.62	99	49030	3.26	ng		0.02
23) Nitrobenzene-d5	7.55	82	48491	3.27	ng		0.01
41) 2,4,6-Tribromophenol	10.80	330	15372	3.54	ng		0.00
44) 2-Fluorobiphenyl	9.31	172	123763	5.40	ng		0.00
78) Terphenyl-d14	13.08	244	113229	4.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.75	88	363	5.853	ng	#	47
3) Pyridine	3.61	79	340	6.276	ng	#	1
10) Phenol	6.64	94	48908	2.730	ng		80
31) Naphthalene	8.27	128	539299	13.562	ng		99
33) 4-Chloroaniline	8.27	127	68184	4.014	ng	#	34
37) 2-Methylnaphthalene	8.95	142	204298	8.179	ng		98
45) 1,1'-Biphenyl	9.42	154	76793	2.643	ng		98
48) Acenaphthylene	9.87	152	570050	16.779	ng		99
49) Dimethylphthalate	9.71	163	437031	18.224	ng		100
51) Acenaphthene	10.04	154	65779	3.333	ng		98
53) 2,4-Dinitrophenol	10.19	184	170	8.496	ng	#	1
55) 4-Nitrophenol	10.15	139	682	9.507	ng	#	78
57) Fluorene	10.55	166	142132	5.996	ng	#	97
70) Phenanthrene	11.52	178	588475	22.912	ng		99
71) Anthracene	11.58	178	188161	6.351	ng		98
74) Fluoranthene	12.72	202	321908	10.668	ng		97
77) Pyrene	12.95	202	447317	10.935	ng		97
80) Benzo(a)anthracene	14.18	228	69538	2.161	ng		94
82) Chrysene	14.18	228	69538	2.003	ng		98
87) Benzo(b)fluoranthene	15.23	252	62795	2.747	ng	#	95
88) Benzo(k)fluoranthene	15.23	252	62795	2.237	ng		98
89) Benzo(a)pyrene	15.62	252	57722	2.446	ng	#	95

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

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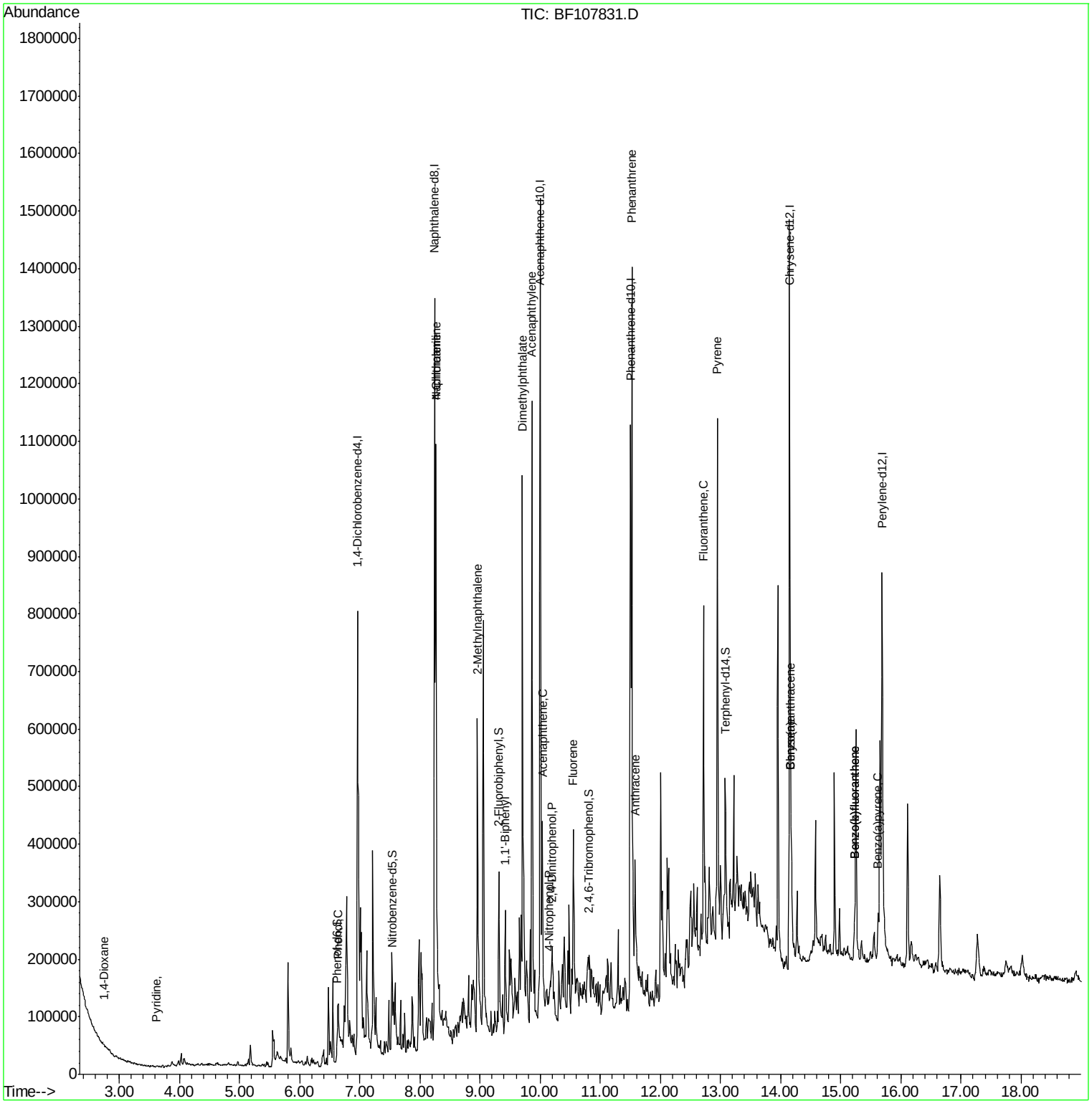
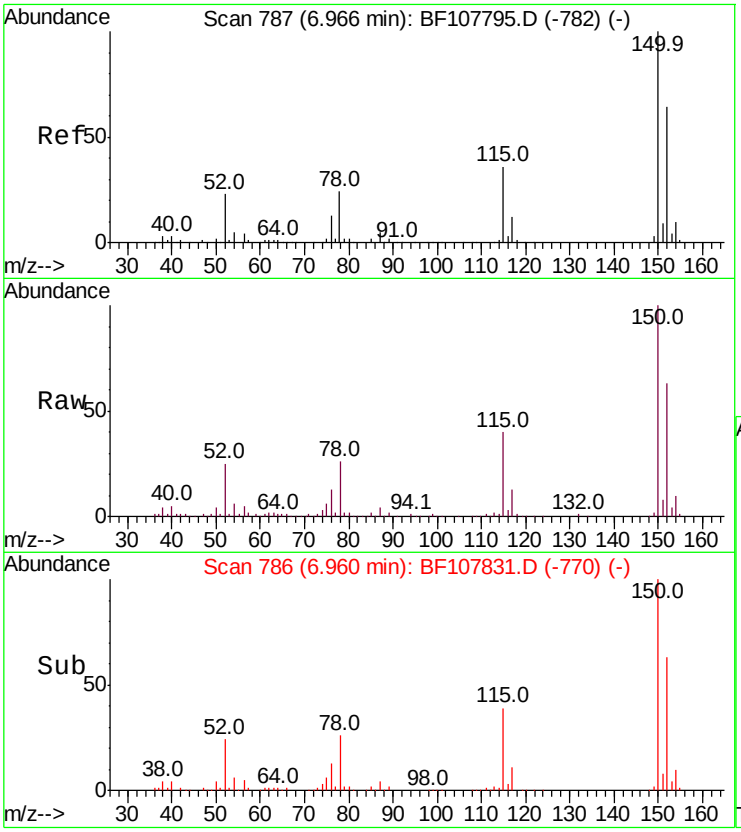


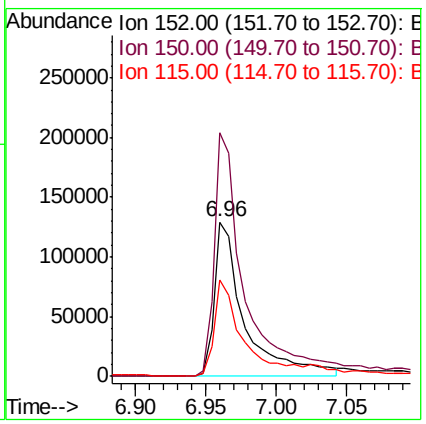


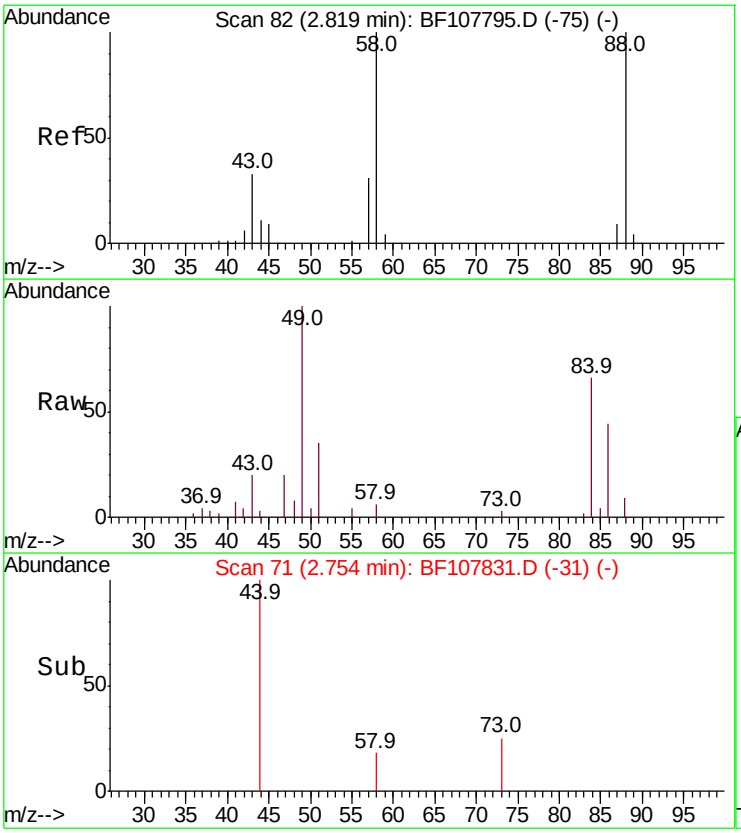
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 193703

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.4	50.1	75.1

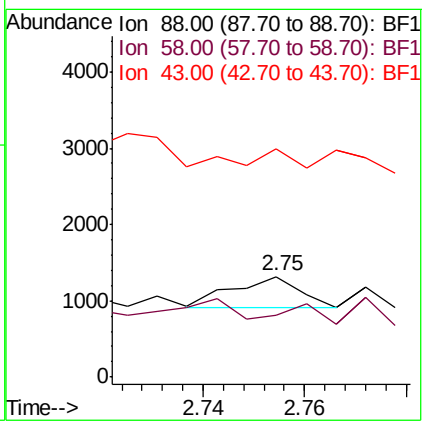


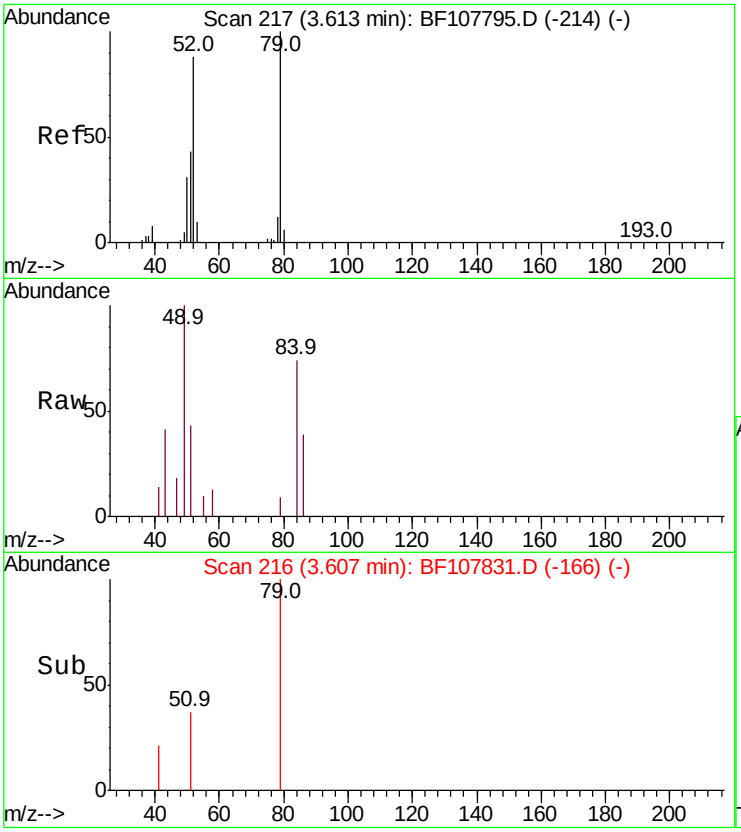


#2
1,4-Dioxane
Concen: 5.853 ng
RT: 2.75 min Scan# 71
Delta R.T. -0.06 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion: 88 Resp: 363

Ion	Ratio	Lower	Upper
88	100		
58	33.3	62.6	93.8#
43	0.0	24.6	37.0#

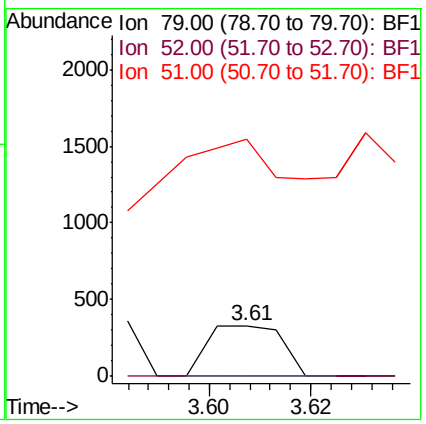




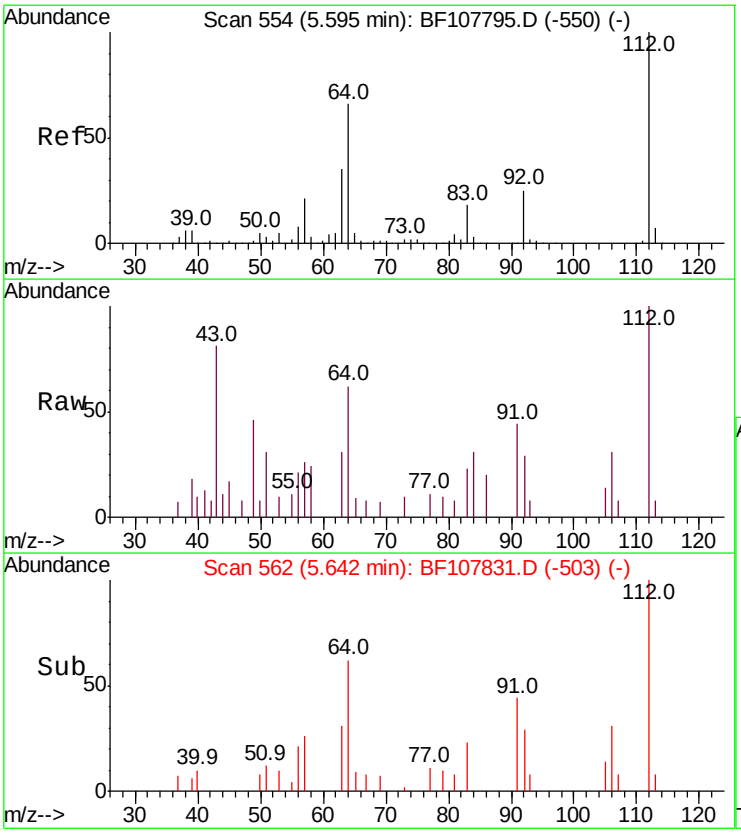
#3
Pyridine
Concen: 6.276 ng
RT: 3.61 min Scan# 216
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion: 79 Resp: 340

Ion	Ratio	Lower	Upper
79	100		
52	0.0	59.8	89.6#
51	466.5	29.8	44.8#



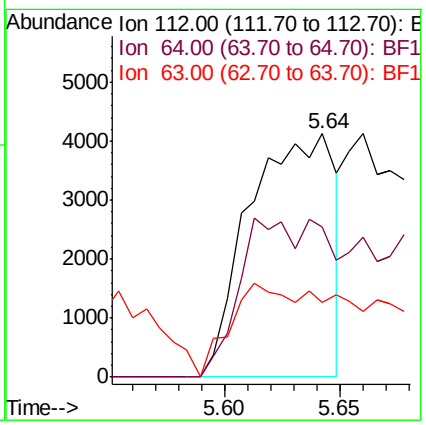
Instrument :
BNA_F
ClientSampleId :

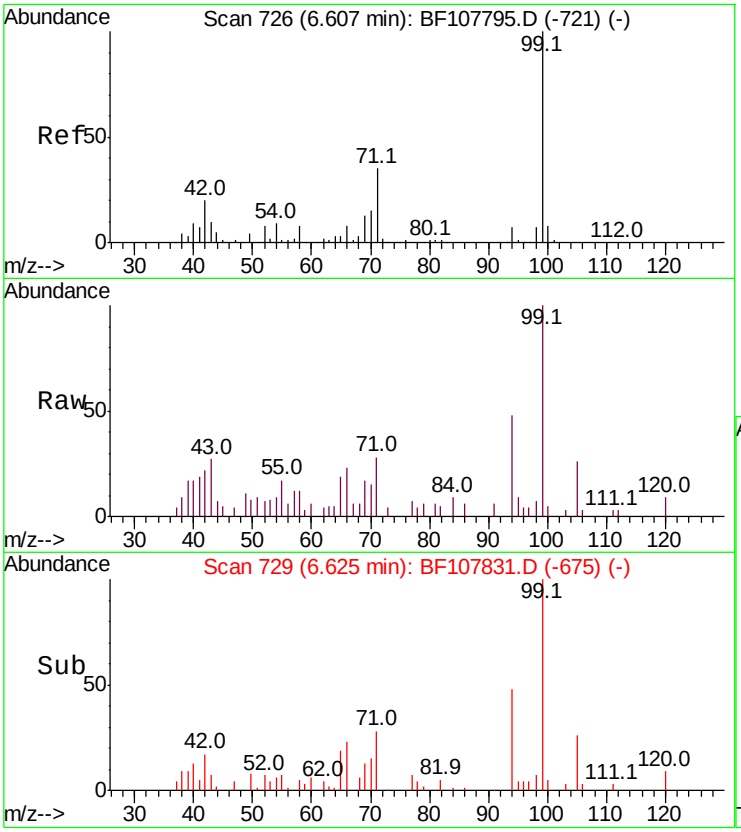


#5
2-Fluorophenol
Concen: 0.931 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.05 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:112 Resp: 10606

Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.9	71.9
63	30.9	23.7	35.5



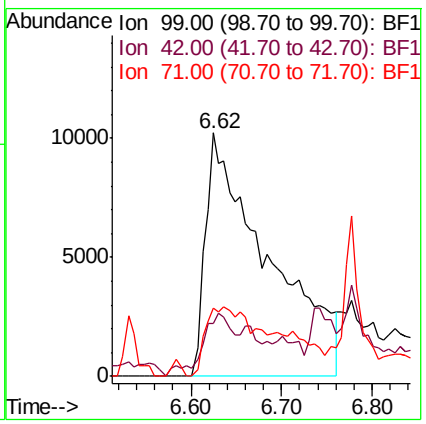


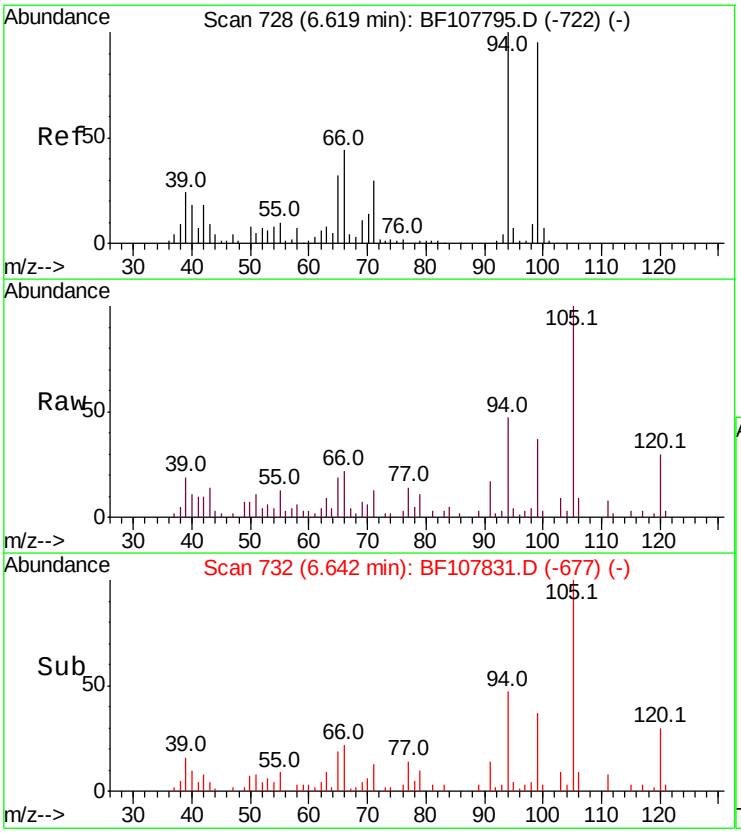
#7
Phenol-d6
Concen: 3.264 ng
RT: 6.62 min Scan# 729
Delta R.T. 0.02 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 49030

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.5	21.7
71	28.2	25.4	38.0

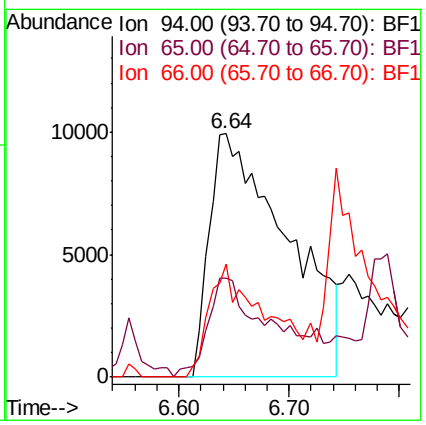


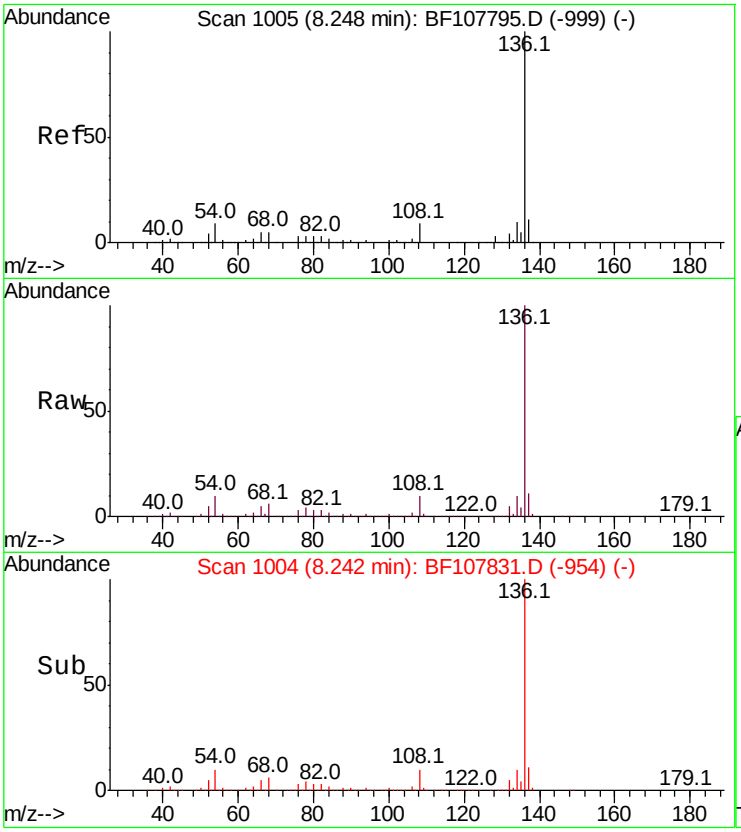


#10
Phenol
Concen: 2.730 ng
RT: 6.64 min Scan# 732
Delta R.T. 0.02 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion: 94 Resp: 48908

Ion	Ratio	Lower	Upper
94	100		
65	40.9	7.9	47.9
66	46.3	16.2	56.2



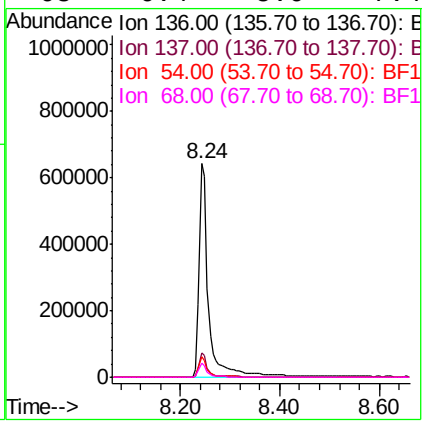


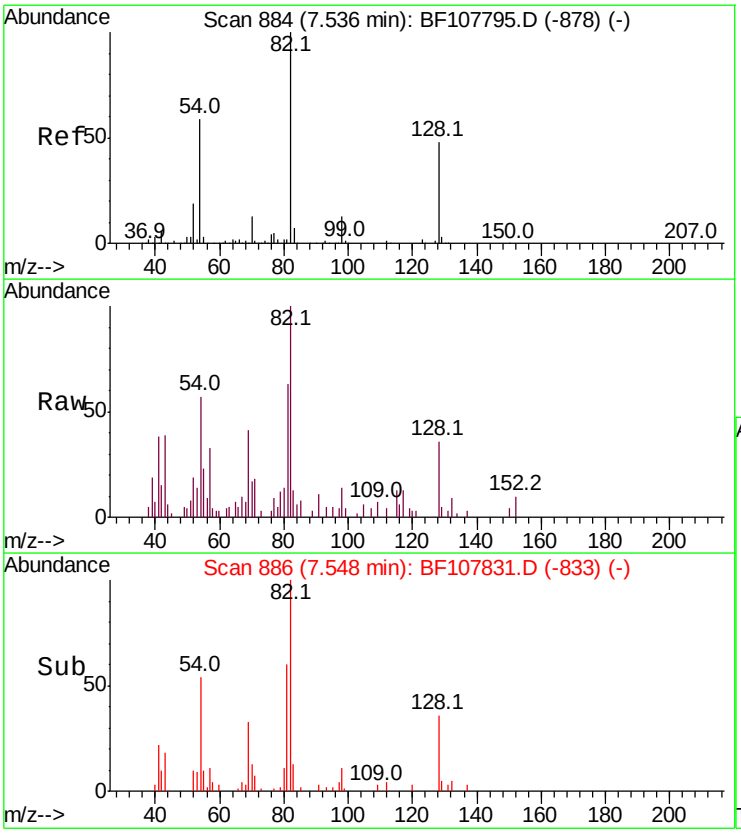
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 855449

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.8	6.6	9.8
68	6.4	5.0	7.4

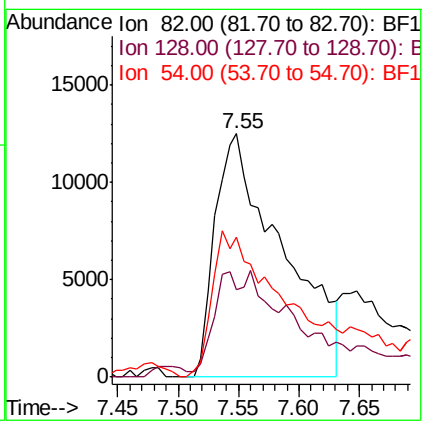


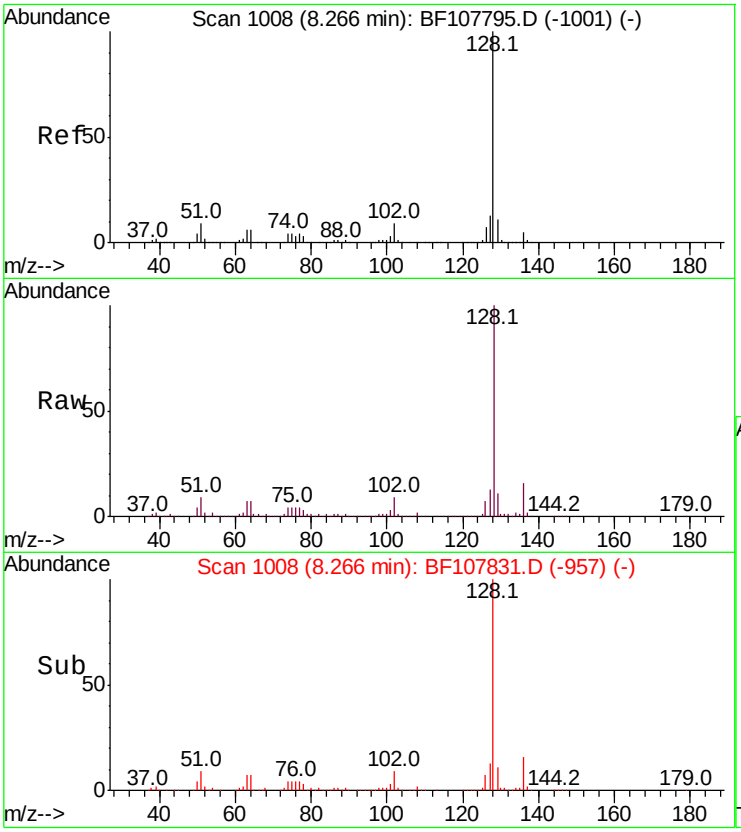


#23
Nitrobenzene-d5
Concen: 3.266 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion: 82 Resp: 48491

Ion	Ratio	Lower	Upper
82	100		
128	35.7	36.1	54.1#
54	57.2	41.4	62.2



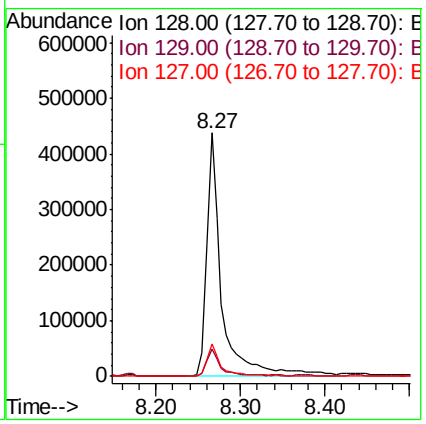


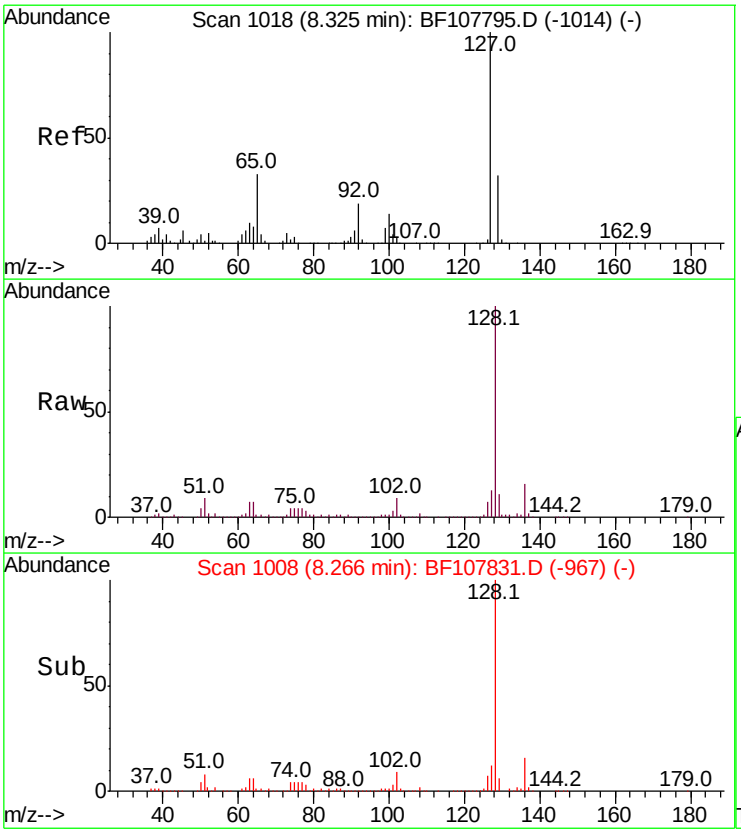
#31
Naphthalene
Concen: 13.562 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 539299

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.1	10.9	16.3

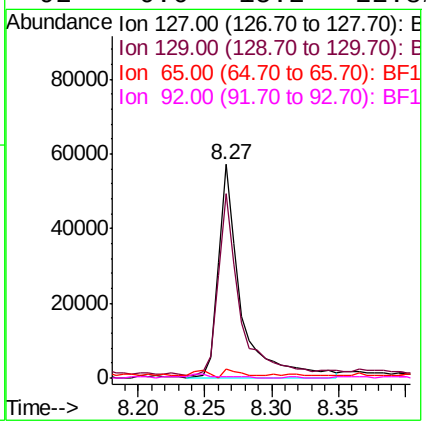


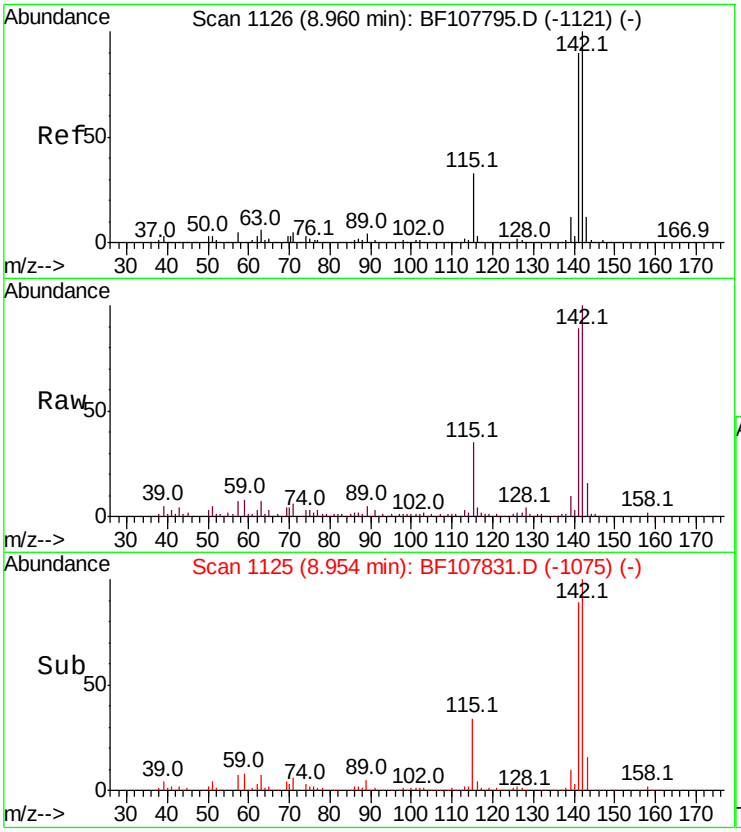


#33
4-Chloroaniline
Concen: 4.014 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:127 Resp: 68184

Ion	Ratio	Lower	Upper
127	100		
129	86.5	25.9	38.9#
65	4.0	25.0	37.4#
92	0.6	15.2	22.8#



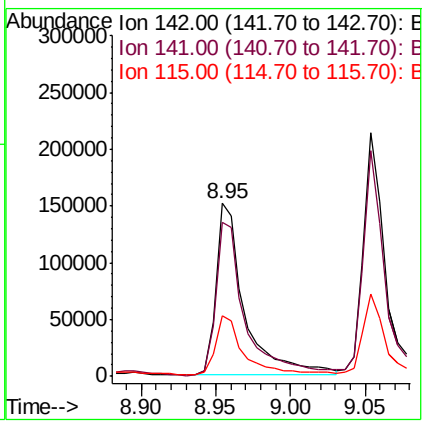


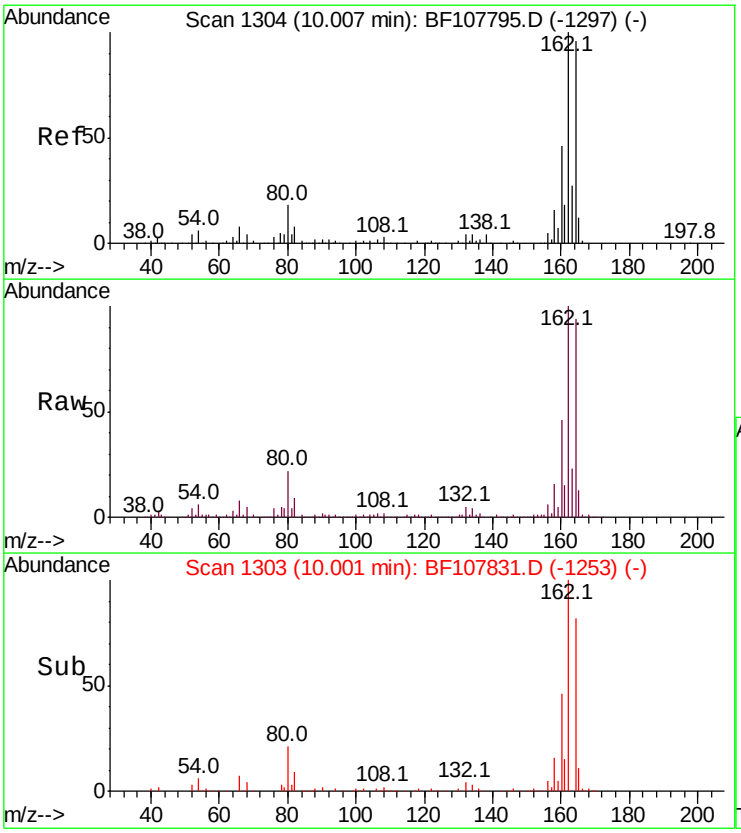
#37
2-Methylnaphthalene
Concen: 8.179 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 204298

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	35.1	26.1	39.1

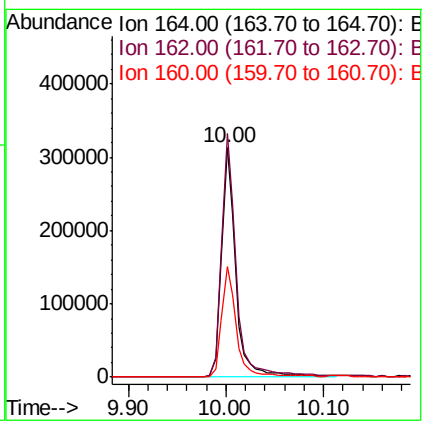


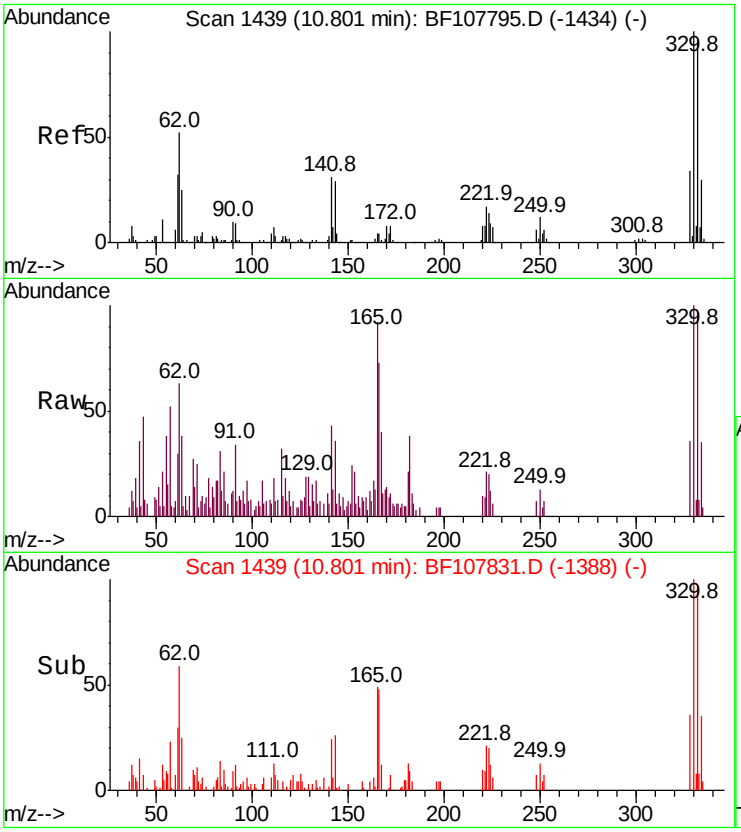


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:164 Resp: 319324

Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	48.5	38.3	57.5



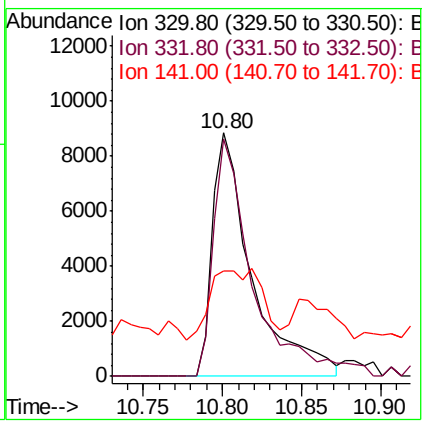


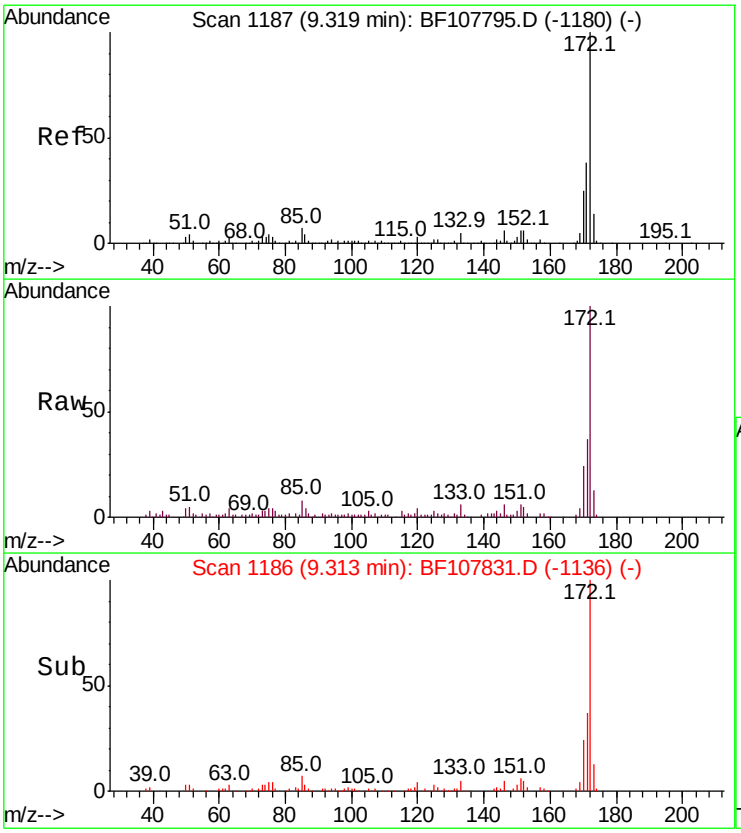
#41
2,4,6-Tribromophenol
Concen: 3.543 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 15372

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	38.0	29.9	44.9

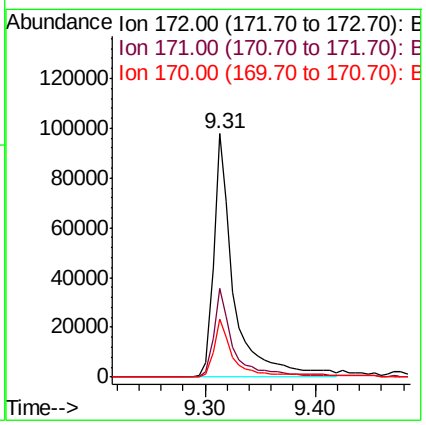


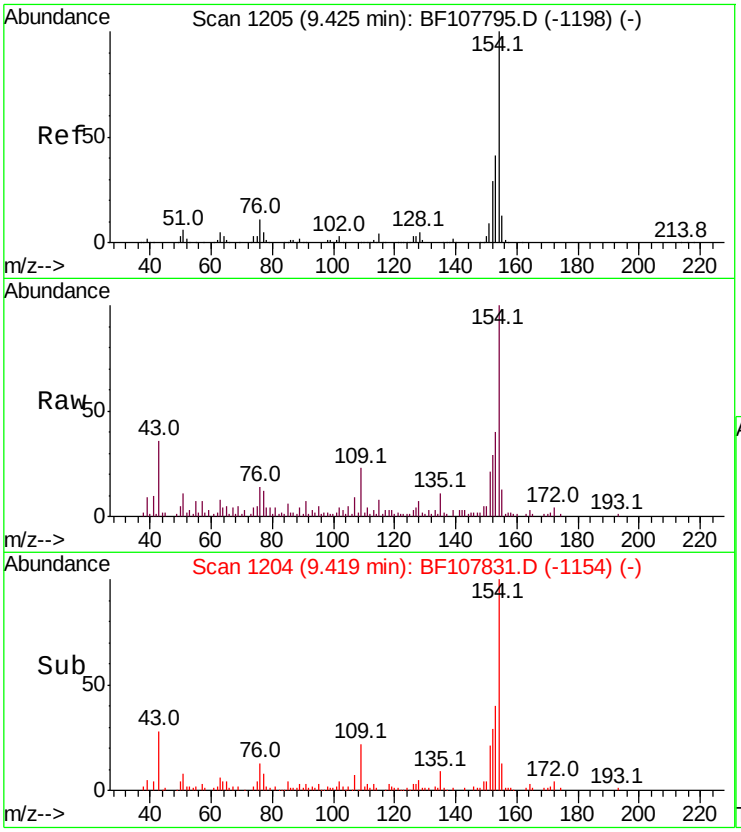


#44
2-Fluorobiphenyl
Concen: 5.401 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:172 Resp: 123763

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	23.9	19.6	29.4

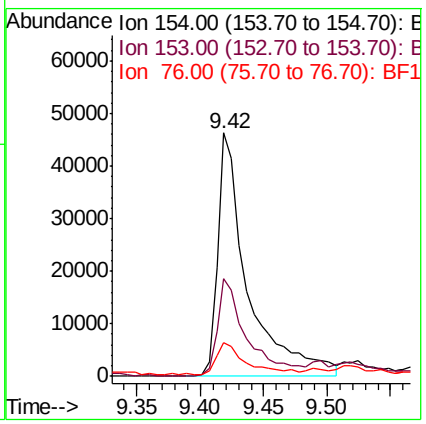




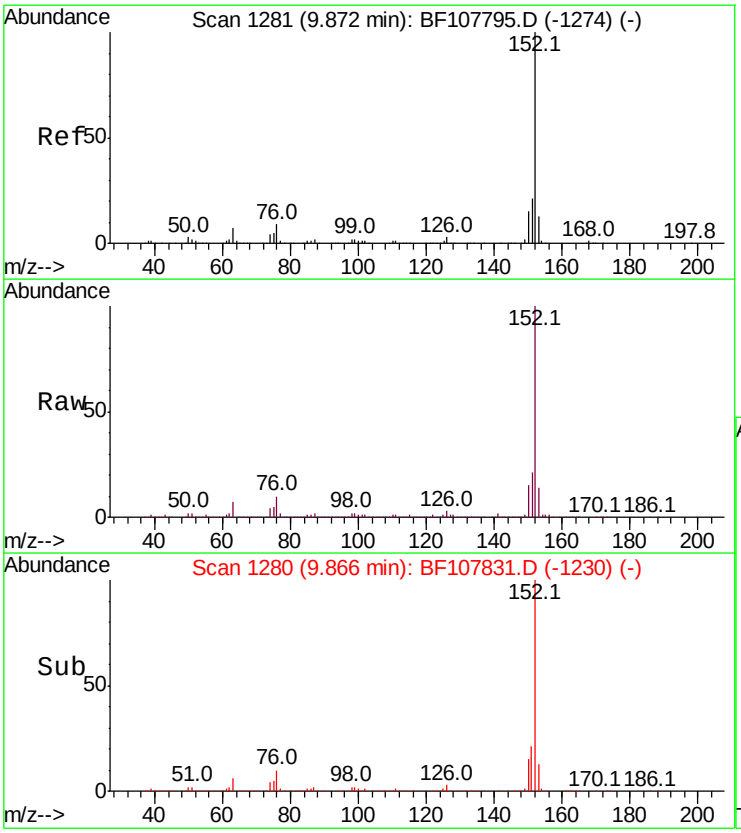
#45
1,1'-Biphenyl
Concen: 2.643 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:154 Resp: 76793

Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.3	61.3
76	13.8	0.0	34.0



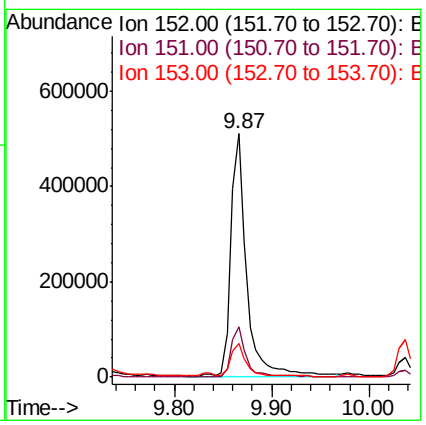
Instrument :
BNA_F
ClientSampleId :

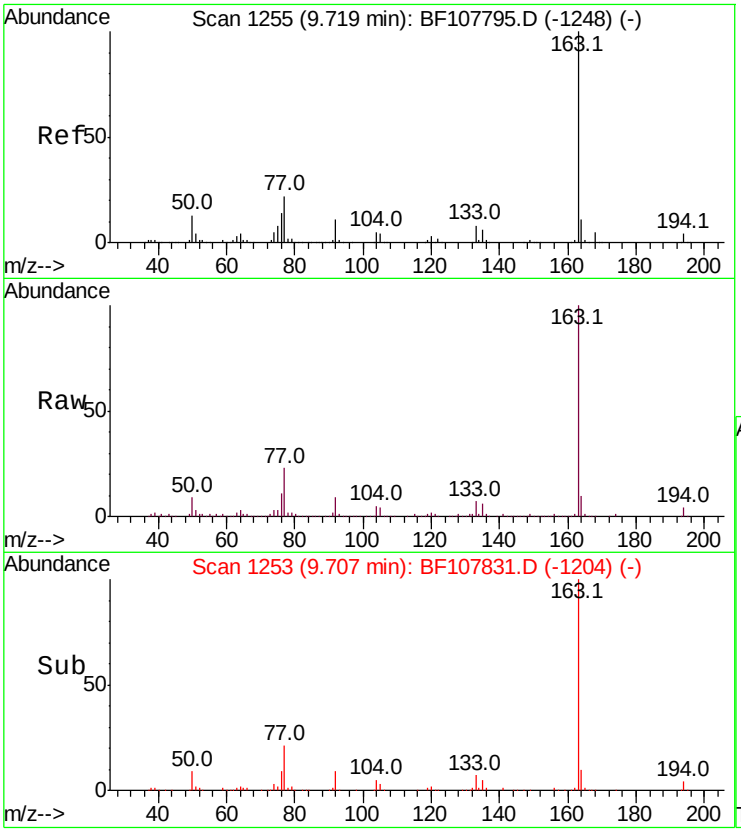


#48
Acenaphthylene
Concen: 16.779 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:152 Resp: 570050

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.6	10.7	16.1

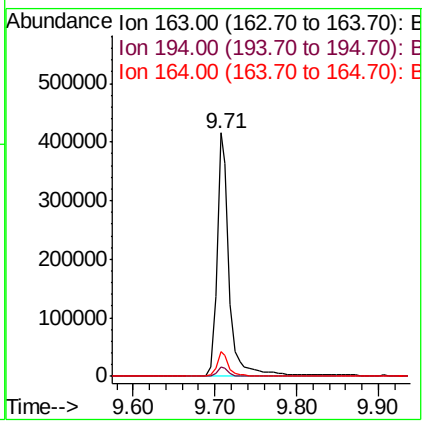




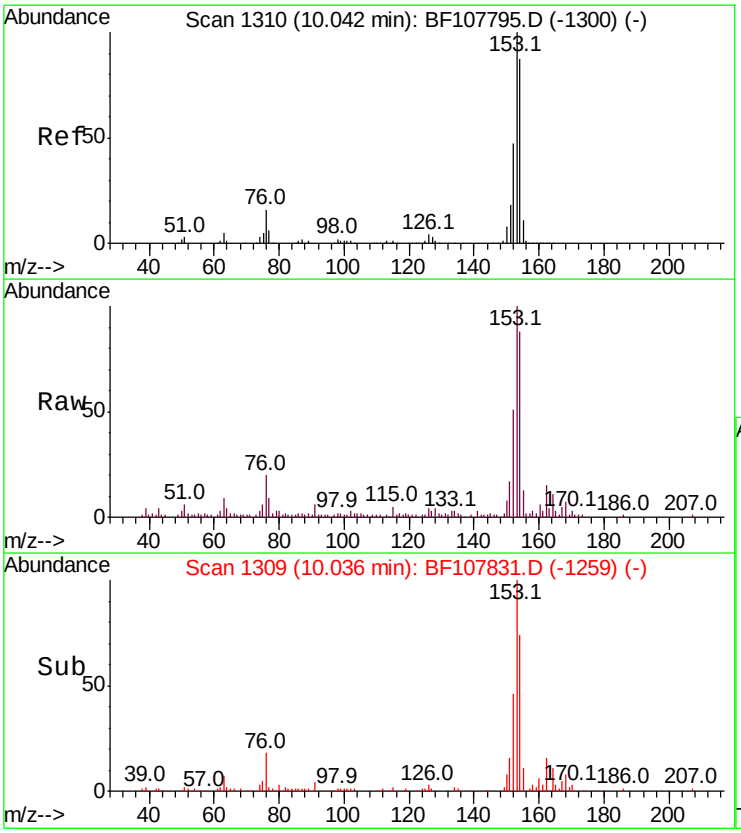
#49
Dimethylphthalate
Concen: 18.224 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:163 Resp: 437031

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2



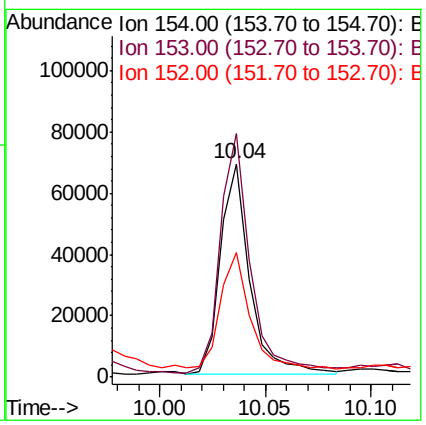
Instrument :
BNA_F
ClientSampleId :

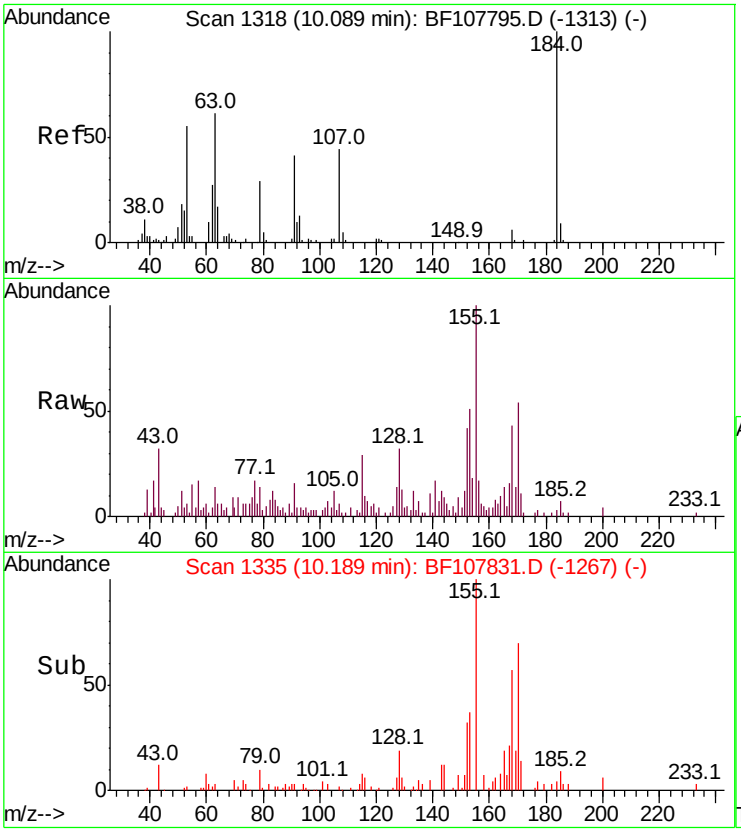


#51
Acenaphthene
Concen: 3.333 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:154 Resp: 65779

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.2	136.8
152	58.2	43.8	65.8



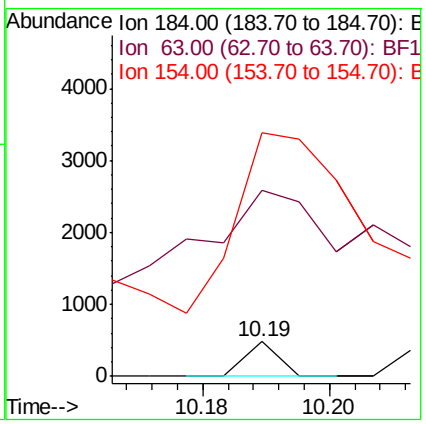


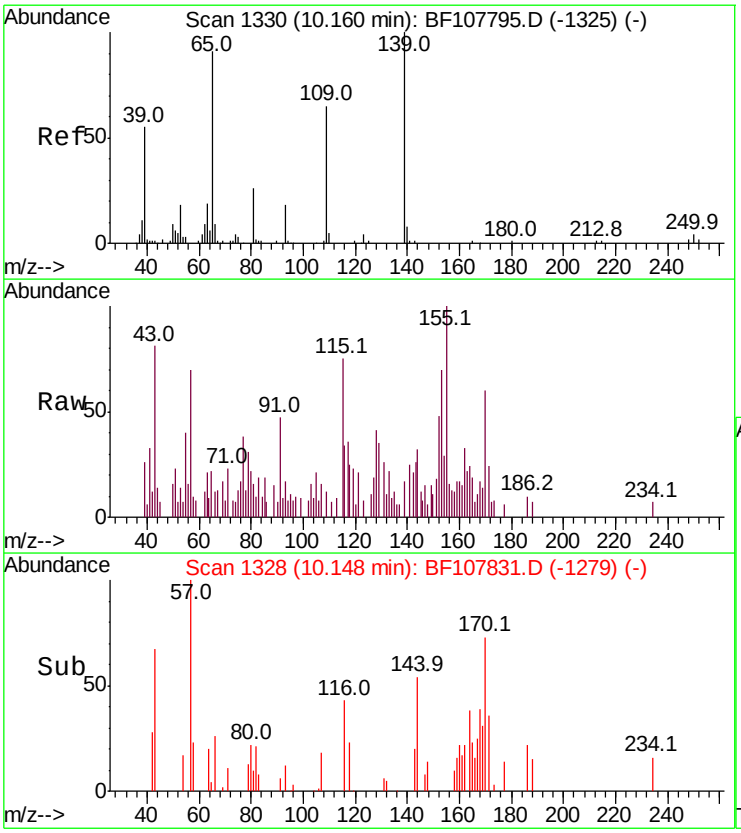
#53
2,4-Dinitrophenol
Concen: 8.496 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.10 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 170

Ion	Ratio	Lower	Upper
184	100		
63	534.6	54.2	81.2#
154	702.1	184.0	276.0#

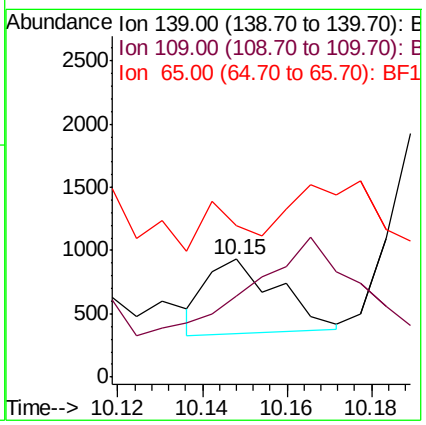


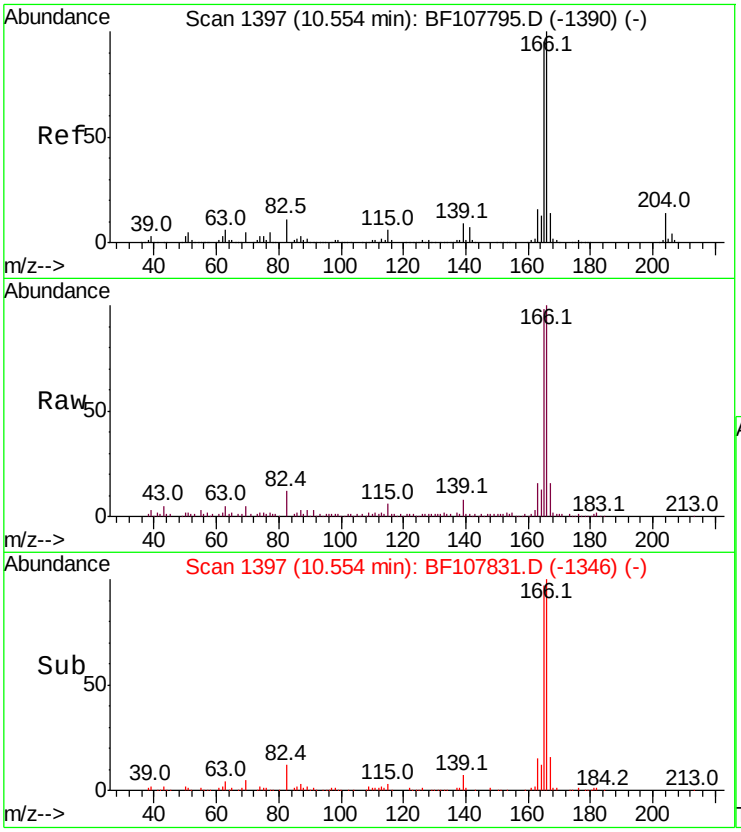


#55
4-Nitrophenol
Concen: 9.507 ng
RT: 10.15 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:139 Resp: 682

Ion	Ratio	Lower	Upper
139	100		
109	68.5	48.4	88.4
65	129.0	72.6	112.6#



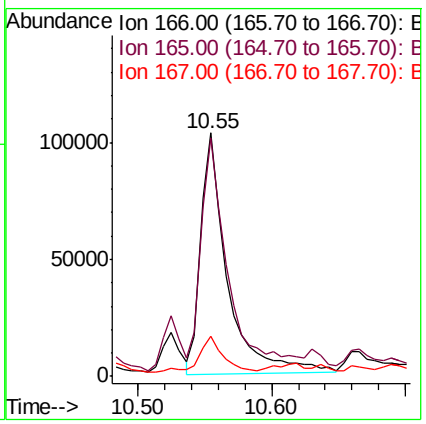


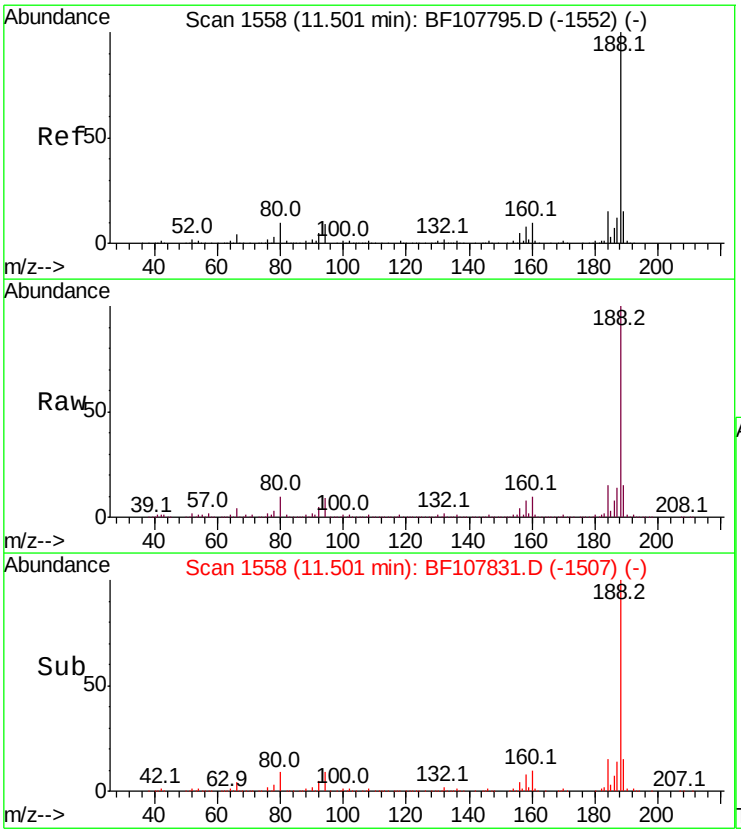
#57
Fluorene
Concen: 5.996 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 142132

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	16.4	10.6	16.0#

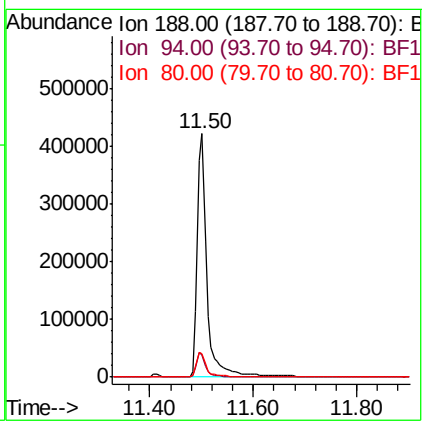


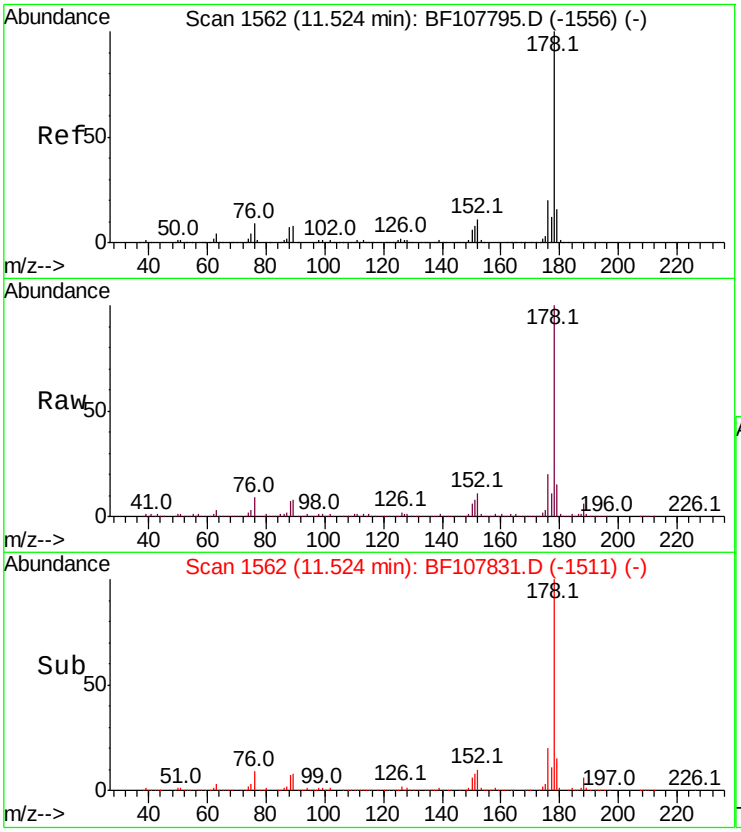


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:188 Resp: 540917

Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.6	9.2	13.8



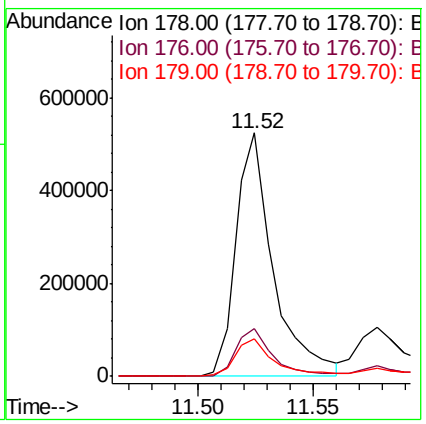


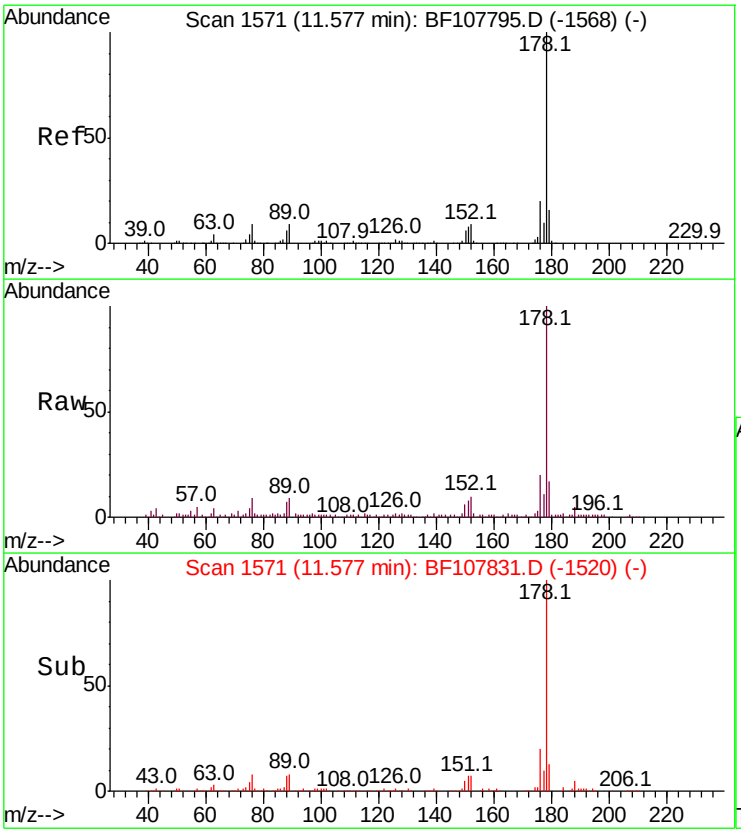
#70
Phenanthrene
Concen: 22.912 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 588475

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6

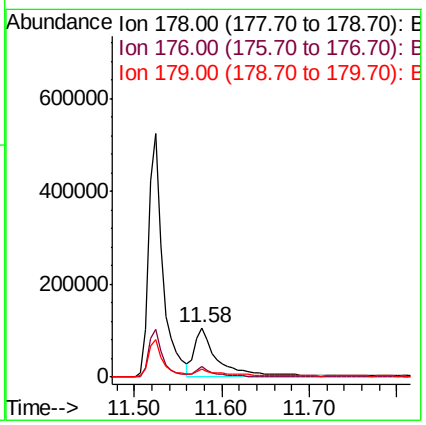


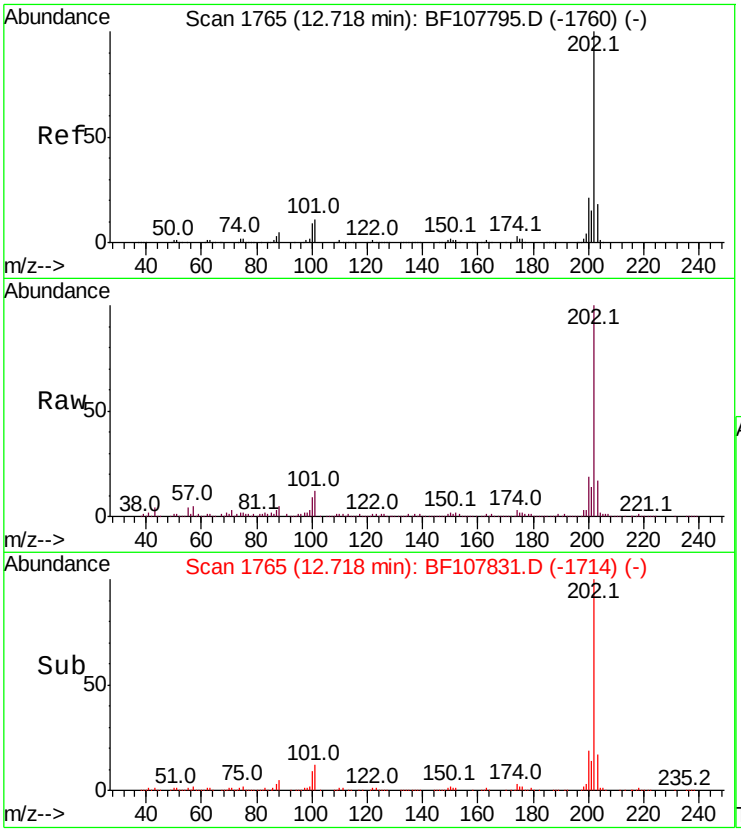


#71
Anthracene
Concen: 6.351 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:178 Resp: 188161

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	16.6	12.6	19.0



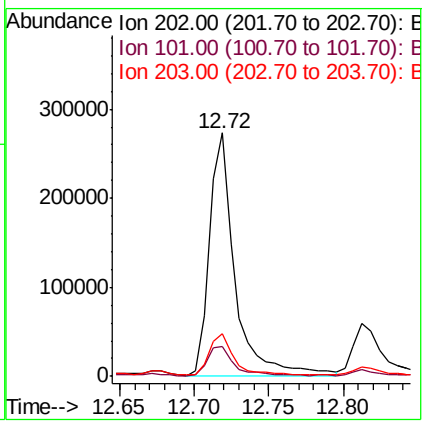


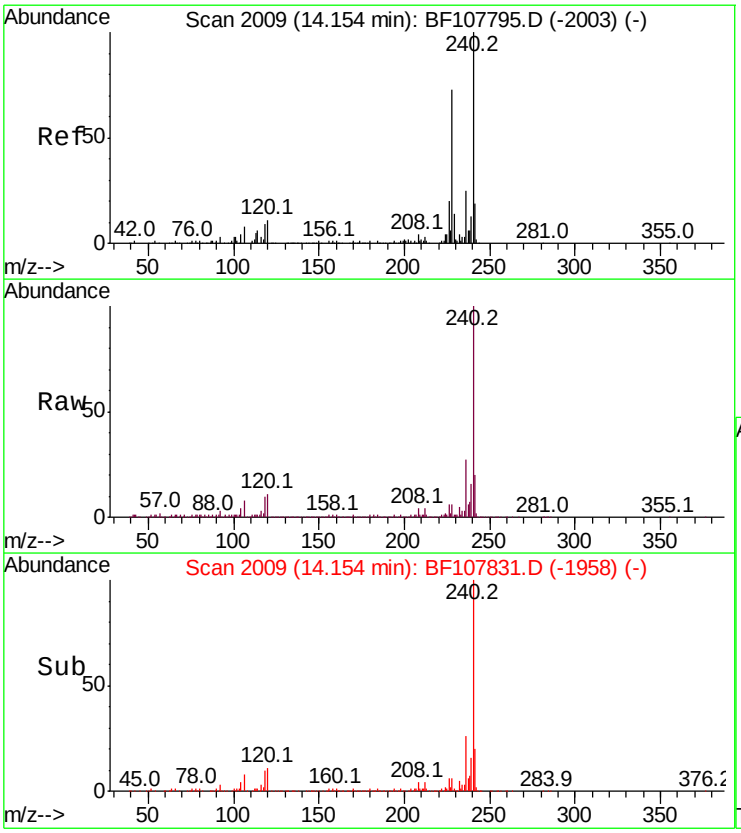
#74
Fluoranthene
Concen: 10.668 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 321908

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.5	0.0	38.1

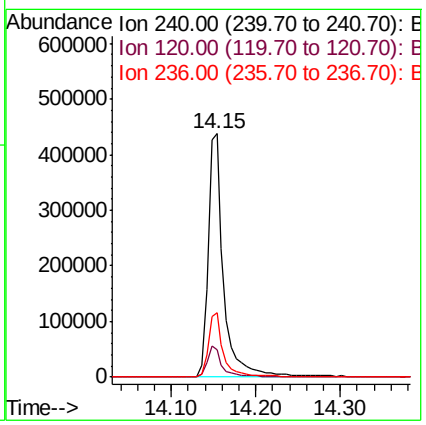


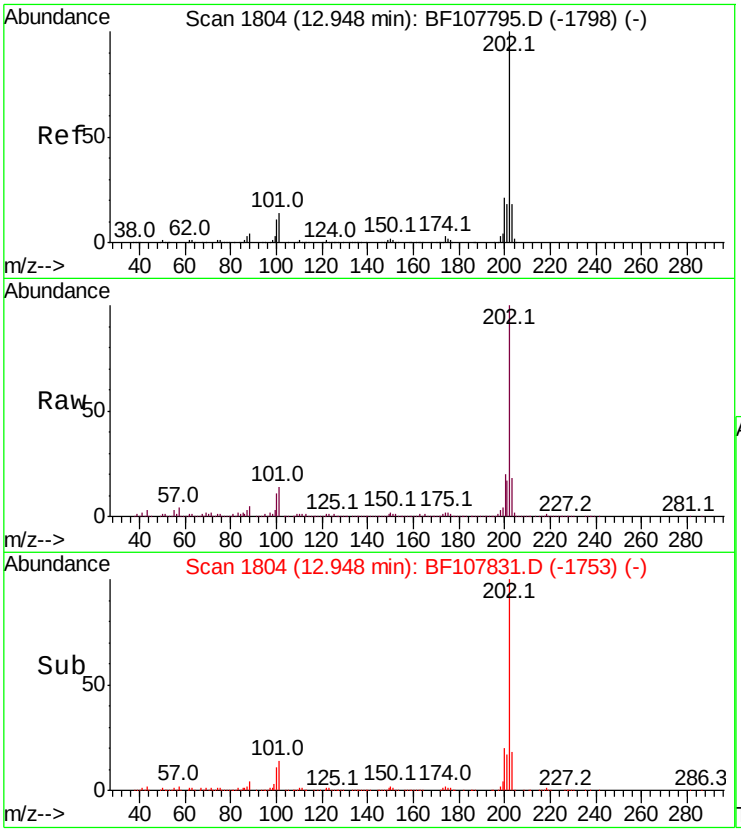


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:240 Resp: 568110

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	26.6	20.7	31.1



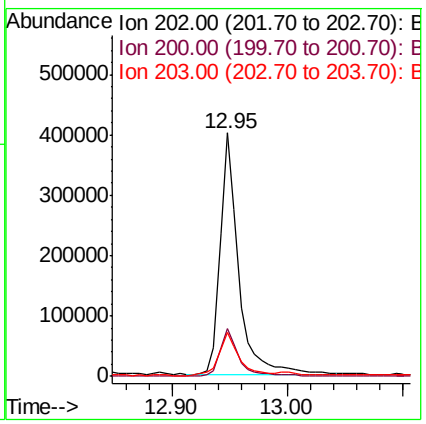


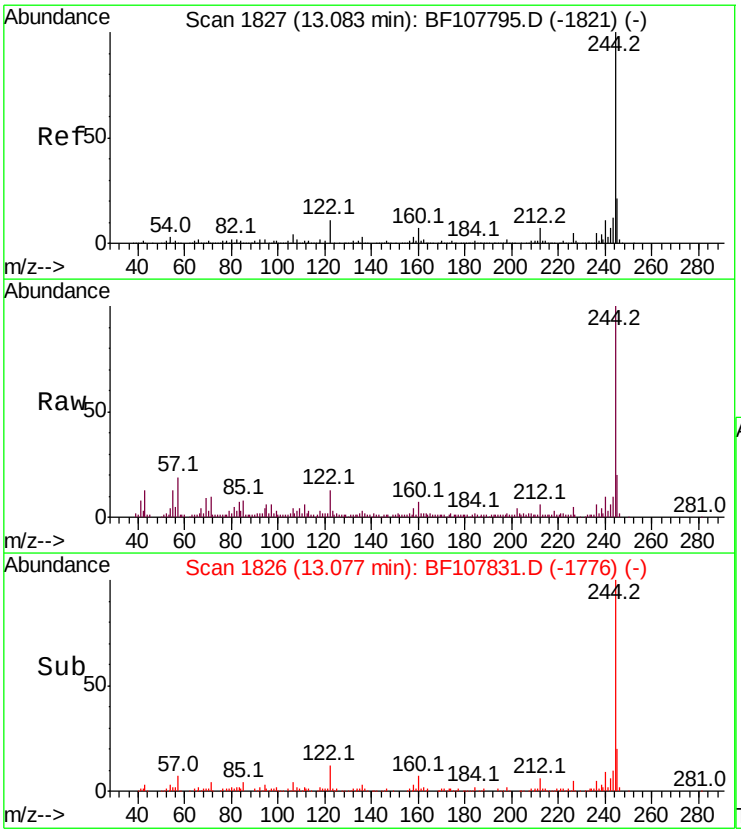
#77
Pyrene
Concen: 10.935 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 447317

Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.4	26.2
203	18.2	14.3	21.5

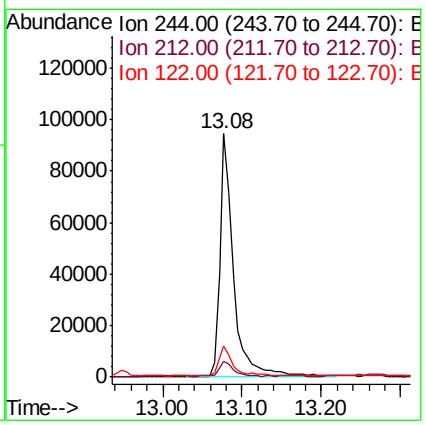


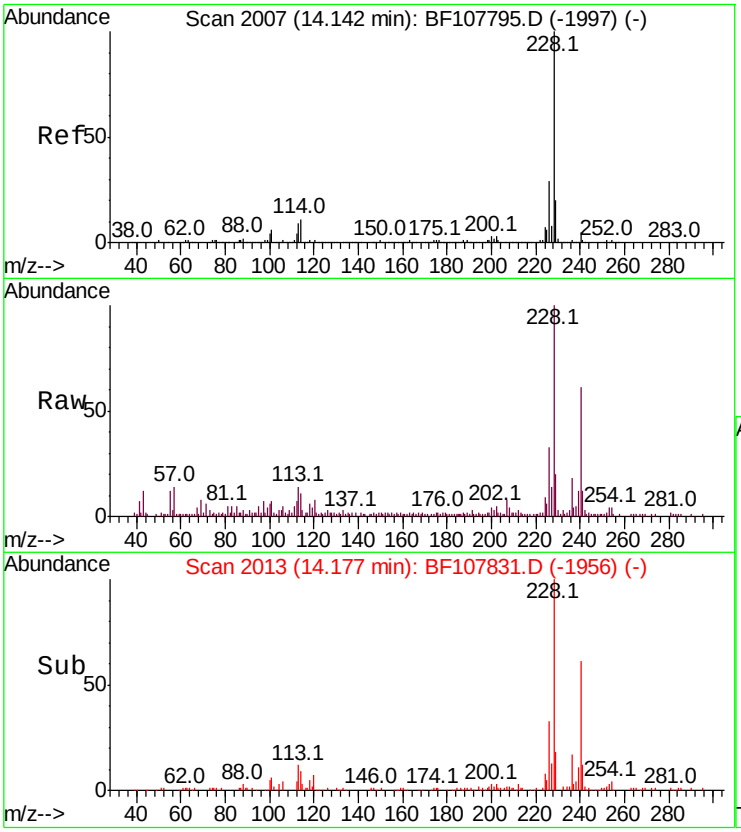


#78
Terphenyl-d14
Concen: 4.322 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:244 Resp: 113229

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.5	11.0	16.4



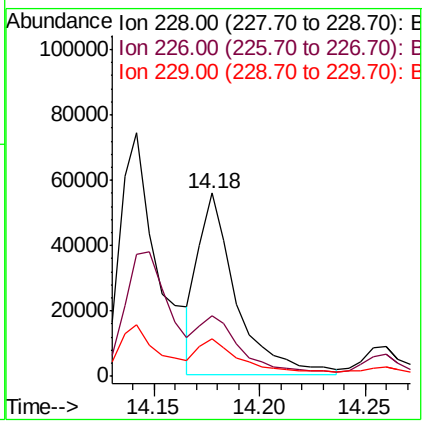


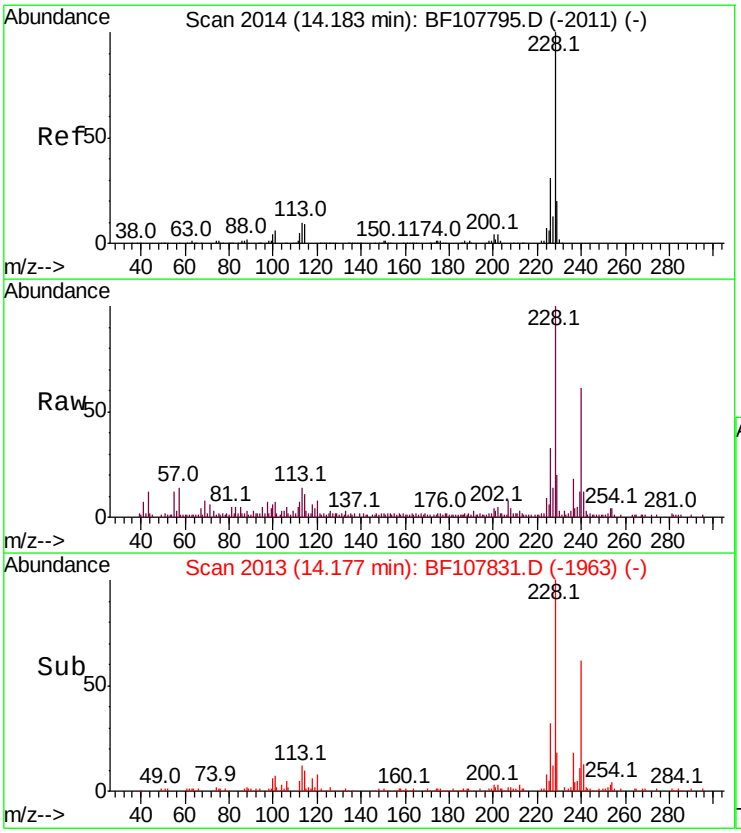
#80
Benzo(a)anthracene
Concen: 2.161 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.04 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 69538

Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	20.3	15.8	23.6

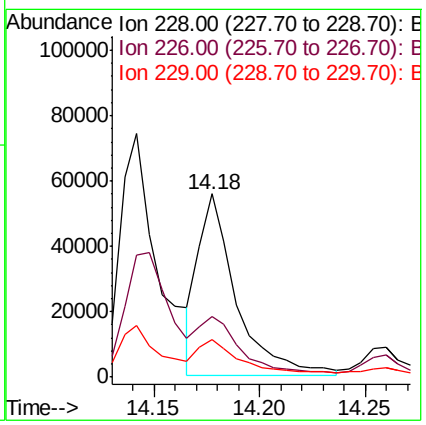


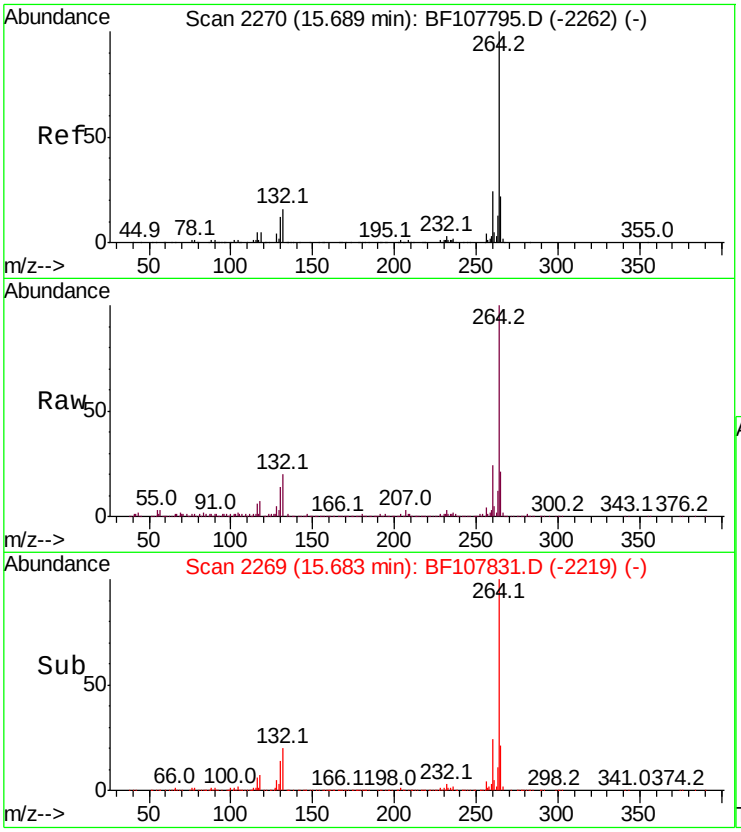


#82
Chrysene
Concen: 2.003 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:228 Resp: 69538

Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.0	37.6
229	20.3	16.2	24.4



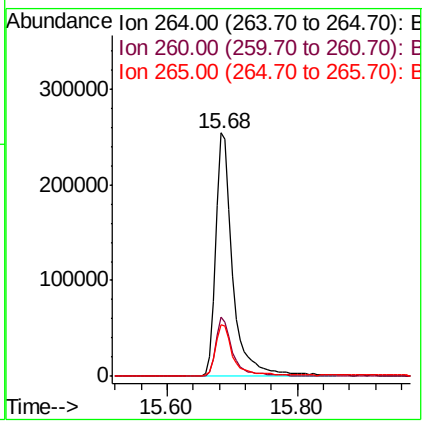


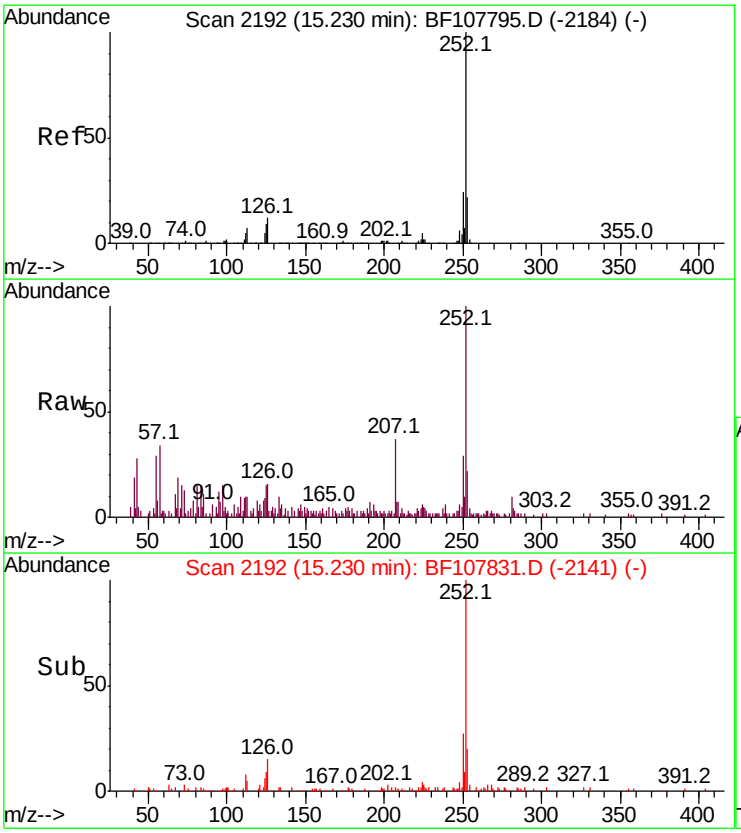
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 463498

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.2	17.5	26.3

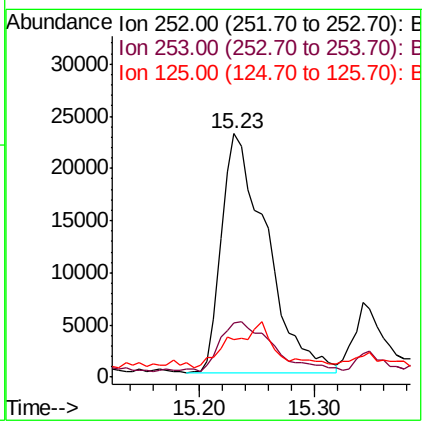


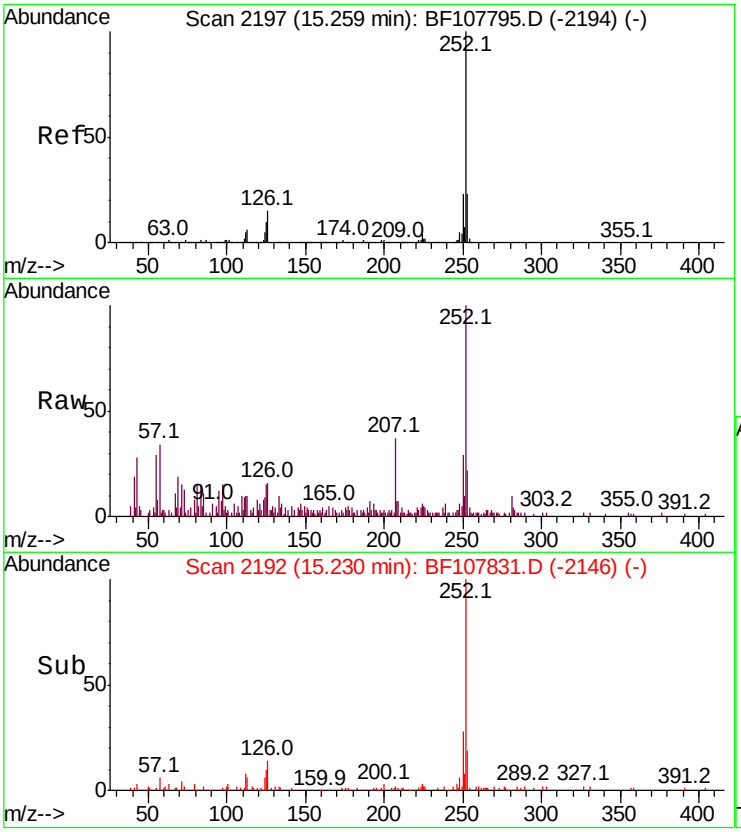


#87
Benzo(b)fluoranthene
Concen: 2.747 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:252 Resp: 62795

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	15.2	9.0	13.6#



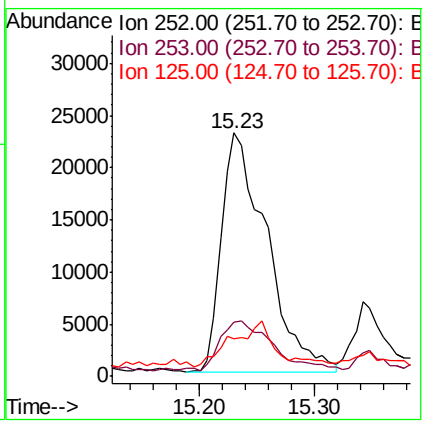


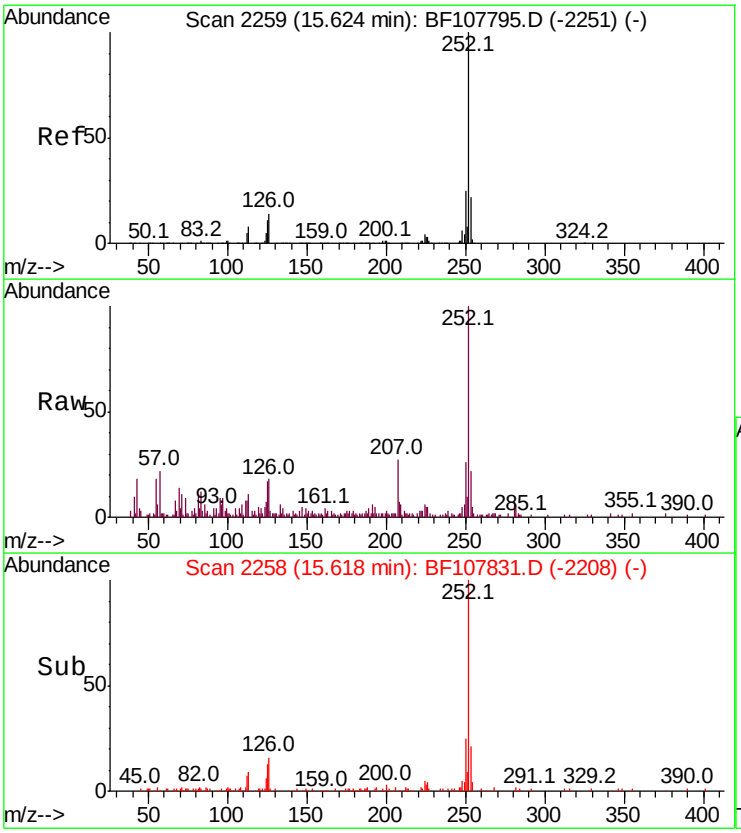
#88
Benzo(k)fluoranthene
Concen: 2.237 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 62795

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	15.2	10.2	15.2





#89
Benzo(a)pyrene
Concen: 2.446 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion:252 Resp: 57722

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	16.8	9.8	14.6#